

# GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	29APR2013 13:44:17
Data source version	GOMOS/6.01
Start time of products	03-08-2010 (03AUG2010 00:00:00)
Stop time of products	04-08-2010 (04AUG2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	244
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__2PRFIN20100803_000005_000000472091_00402_44043_9978.N1	03-AUG-2010 00:00:05	Dark	47.000	157	The1Eri	2.9060	9300.0	94	44043	No
2	GOM_NL__2PRFIN20100803_000528_000000432091_00403_44044_9979.N1	03-AUG-2010 00:05:28	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44044	No
3	GOM_NL__2PRFIN20100803_001024_000000552091_00403_44044_9980.N1	03-AUG-2010 00:10:24	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	44044	No
4	GOM_NL__2PRFIN20100803_001537_000000442091_00403_44044_9981.N1	03-AUG-2010 00:15:37	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	44044	No
5	GOM_NL__2PRFIN20100803_001844_000000462091_00403_44044_9982.N1	03-AUG-2010 00:18:44	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	44044	No
6	GOM_NL__2PRFIN20100803_003423_000000412091_00403_44044_9983.N1	03-AUG-2010 00:34:23	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	44044	No
7	GOM_NL__2PRFIN20100803_004252_000000422091_00403_44044_9984.N1	03-AUG-2010 00:42:52	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	44044	No
8	GOM_NL__2PRFIN20100803_004455_000000382091_00403_44044_9985.N1	03-AUG-2010 00:44:55	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	44044	No
9	GOM_NL__2PRFIN20100803_005125_000000402091_00403_44044_9986.N1	03-AUG-2010 00:51:25	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	44044	No
10	GOM_NL__2PRFIN20100803_010615_000000502091_00403_44044_9987.N1	03-AUG-2010 01:06:15	Bright	49.500	160	23Gam Per	2.9300	4700.0	99	44044	No
11	GOM_NL__2PRFIN20100803_010756_000000512091_00403_44044_9988.N1	03-AUG-2010 01:07:56	Bright	51.000	35	33Alp Per	1.7950	6250.0	102	44044	No
12	GOM_NL__2PRFIN20100803_011006_000000462091_00403_44044_9989.N1	03-AUG-2010 01:10:06	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	44044	No
13	GOM_NL__2PRFIN20100803_011234_000000352091_00403_44044_9990.N1	03-AUG-2010 01:12:34	Bright	34.500	107	37The Aur	2.6490	11000.	69	44044	No
14	GOM_NL__2PRFIN20100803_011523_000000562091_00403_44044_9991.N1	03-AUG-2010 01:15:23	Bright	56.000	28	12Bet Tau	1.6500	15200.	112	44044	No
15	GOM_NL__2PRFIN20100803_011729_000000422091_00403_44044_9992.N1	03-AUG-2010 01:17:29	Tw_i_and_stray	42.000	176	23Zet Tau	3.0200	22000.	84	44044	No
16	GOM_NL__2PRFIN20100803_012004_000000582091_00403_44044_9993.N1	03-AUG-2010 01:20:04	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	44044	No
17	GOM_NL__2PRFIN20100803_012203_000000452091_00403_44044_9994.N1	03-AUG-2010 01:22:03	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	44044	No
18	GOM_NL__2PRFIN20100803_012358_000000442091_00403_44044_9995.N1	03-AUG-2010 01:23:58	Dark	43.500	30	46Eps Ori	1.6940	30000.	87	44044	No
19	GOM_NL__2PRFIN20100803_012629_000000512091_00403_44044_9996.N1	03-AUG-2010 01:26:29	Dark	51.000	7	19Bet Ori	0.10000	14000.	102	44044	No
20	GOM_NL__2PRFIN20100803_013117_000000622091_00403_44044_9997.N1	03-AUG-2010 01:31:17	Dark	62.000	165	34Gam Eri	2.9500	3200.0	124	44044	No
21	GOM_NL__2PRFIN20100803_014042_000000482091_00403_44044_9990.N1	03-AUG-2010 01:40:42	Dark	47.500	157	The1Eri	2.9060	9300.0	95	44044	No
22	GOM_NL__2PRFIN20100803_014605_000000512091_00404_44045_9991.N1	03-AUG-2010 01:46:05	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44045	No
23	GOM_NL__2PRFIN20100803_015101_000000552091_00404_44045_9992.N1	03-AUG-2010 01:51:01	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	44045	No
24	GOM_NL__2PRFIN20100803_015613_000000492091_00404_44045_9993.N1	03-AUG-2010 01:56:13	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	44045	No
25	GOM_NL__2PRFIN20100803_015920_000000462091_00404_44045_9994.N1	03-AUG-2010 01:59:20	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	44045	No
26	GOM_NL__2PRFIN20100803_021458_000000402091_00404_44045_9995.N1	03-AUG-2010 02:14:58	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	44045	No
27	GOM_NL__2PRFIN20100803_022327_000000482091_00404_44045_9996.N1	03-AUG-2010 02:23:27	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	44045	No
28	GOM_NL__2PRFIN20100803_022530_000000392091_00404_44045_9997.N1	03-AUG-2010 02:25:30	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	44045	No
29	GOM_NL__2PRFIN20100803_023201_000000372091_00404_44045_9998.N1	03-AUG-2010 02:32:01	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	44045	No
30	GOM_NL__2PRFIN20100803_024650_000000492091_00404_44045_9999.N1	03-AUG-2010 02:46:50	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	44045	No
31	GOM_NL__2PRFIN20100803_024832_000000502091_00404_44045_0000.N1	03-AUG-2010 02:48:32	Bright	50.000	35	33Alp Per	1.7950	6250.0	100	44045	No
32	GOM_NL__2PRFIN20100803_025041_000000562091_00404_44045_0001.N1	03-AUG-2010 02:50:41	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44045	No
33	GOM_NL__2PRFIN20100803_025310_000000532091_00404_44045_0002.N1	03-AUG-2010 02:53:10	Bright	53.000	107	37The Aur	2.6490	11000.	106	44045	No
34	GOM_NL__2PRFIN20100803_025600_000000472091_00404_44045_0003.N1	03-AUG-2010 02:56:00	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	44045	No
35	GOM_NL__2PRFIN20100803_025806_000000412091_00404_44045_0004.N1	03-AUG-2010 02:58:06	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	44045	No
36	GOM_NL__2PRFIN20100803_030041_000000582091_00404_44045_0005.N1	03-AUG-2010 03:00:41	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	44045	No
37	GOM_NL__2PRFIN20100803_030239_000000422091_00404_44045_0006.N1	03-AUG-2010 03:02:39	Dark	41.500	27	24Gam Ori	1.6360	26000.	83	44045	No
38	GOM_NL__2PRFIN20100803_030434_000000392091_00404_44045_0007.N1	03-AUG-2010 03:04:34	Dark	39.000	30	46Eps Ori	1.6940	30000.	78	44045	No
39	GOM_NL__2PRFIN20100803_030705_000000562091_00404_44045_0008.N1	03-AUG-2010 03:07:05	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	44045	No
40	GOM_NL__2PRFIN20100803_031154_000000632091_00404_44045_0009.N1	03-AUG-2010 03:11:54	Dark	63.000	165	34Gam Eri	2.9500	3200.0	126	44045	No
41	GOM_NL__2PRFIN20100803_050155_000000472091_00405_44046_0012.N1	03-AUG-2010 05:01:55	Dark	46.500	157	The1Eri	2.9060	9300.0	93	44046	No
42	GOM_NL__2PRFIN20100803_050718_000000432091_00406_44047_0013.N1	03-AUG-2010 05:07:18	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44047	No





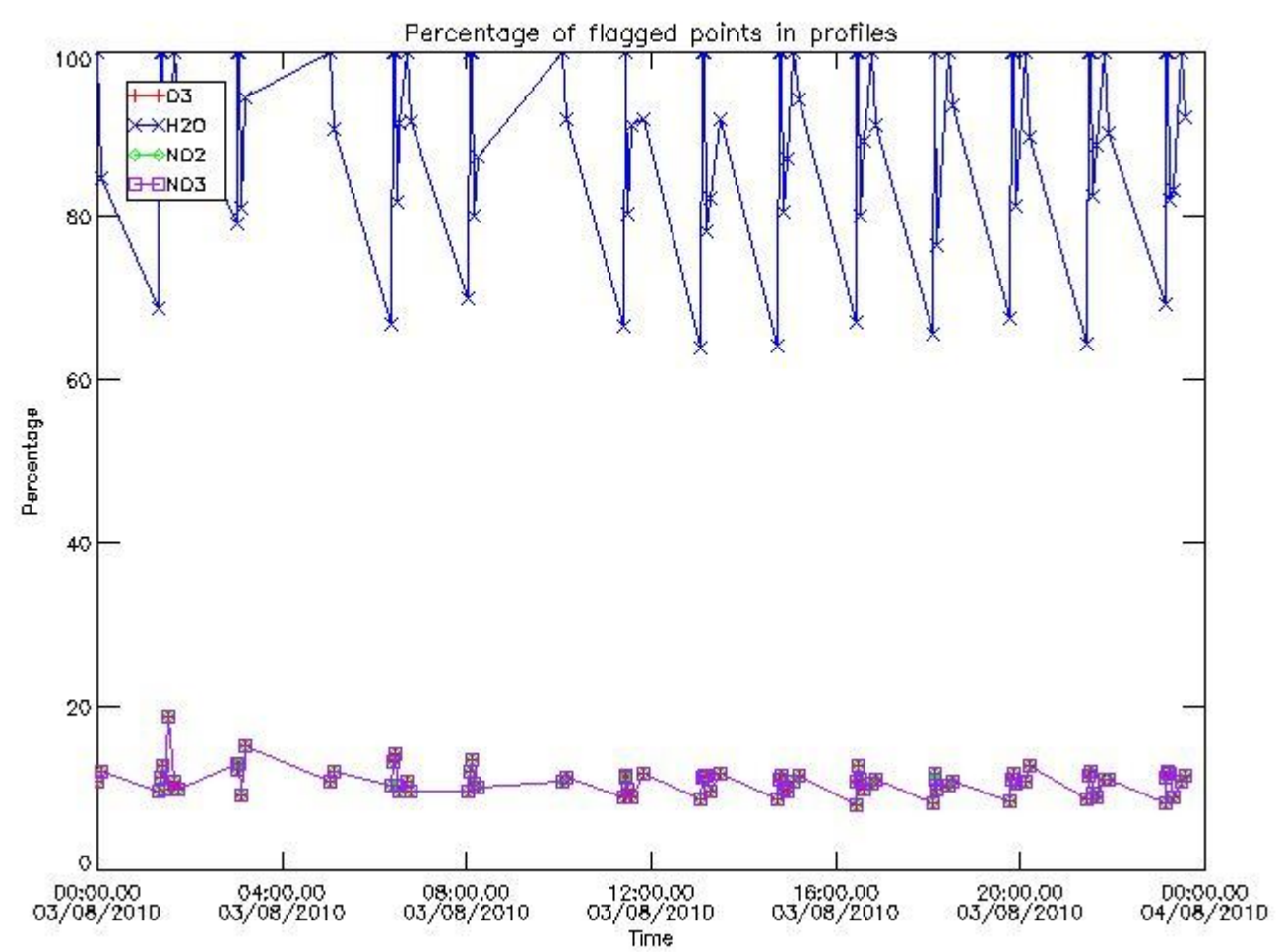


220	GOM_NL__2PRFIN20100803_215825_000000552091_00416_44057_0348.N1	03-AUG-2010 21:58:25	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	44057	No
221	GOM_NL__2PRFIN20100803_220330_000000492091_00416_44057_0349.N1	03-AUG-2010 22:03:30	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	44057	No
222	GOM_NL__2PRFIN20100803_220637_000000432091_00416_44057_0350.N1	03-AUG-2010 22:06:37	Straylight	43.000	172	Gam Gru	3.0030	13100.	86	44057	No
223	GOM_NL__2PRFIN20100803_221406_000000252091_00416_44057_0351.N1	03-AUG-2010 22:14:06	Twilight_stray	25.000	142	49Del Cap	2.8500	8900.0	50	44057	No
224	GOM_NL__2PRFIN20100803_222209_000000372091_00416_44057_0352.N1	03-AUG-2010 22:22:09	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	44057	No
225	GOM_NL__2PRFIN20100803_223033_000000422091_00416_44057_0353.N1	03-AUG-2010 22:30:33	Bright	41.500	92	53Eps Cyg	2.5000	4500.0	83	44057	No
226	GOM_NL__2PRFIN20100803_223239_000000382091_00416_44057_0354.N1	03-AUG-2010 22:32:39	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44057	No
227	GOM_NL__2PRFIN20100803_223907_000000422091_00416_44057_0355.N1	03-AUG-2010 22:39:07	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	44057	No
228	GOM_NL__2PRFIN20100803_225357_000000252091_00416_44057_0356.N1	03-AUG-2010 22:53:57	Twilight_stray	25.000	160	23Gam Per	2.9300	4700.0	50	44057	No
229	GOM_NL__2PRFIN20100803_225539_000000312091_00416_44057_0357.N1	03-AUG-2010 22:55:39	Twilight_stray	31.000	35	33Alp Per	1.7950	6250.0	62	44057	No
230	GOM_NL__2PRFIN20100803_225753_000000562091_00416_44057_0358.N1	03-AUG-2010 22:57:53	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44057	No
231	GOM_NL__2PRFIN20100803_225946_000000472091_00416_44057_0359.N1	03-AUG-2010 22:59:46	Bright	47.000	149	45Eps Per	2.8880	30000.	94	44057	No
232	GOM_NL__2PRFIN20100803_230313_000000462091_00416_44057_0360.N1	03-AUG-2010 23:03:13	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	44057	No
233	GOM_NL__2PRFIN20100803_230520_000000412091_00416_44057_0361.N1	03-AUG-2010 23:05:20	Twilight_stray	41.000	176	23Zet Tau	3.0200	22000.	82	44057	No
234	GOM_NL__2PRFIN20100803_230757_000000622091_00416_44057_0362.N1	03-AUG-2010 23:07:57	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	44057	No
235	GOM_NL__2PRFIN20100803_230955_000000452091_00416_44057_0363.N1	03-AUG-2010 23:09:55	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	44057	No
236	GOM_NL__2PRFIN20100803_231150_000000432091_00416_44057_0364.N1	03-AUG-2010 23:11:50	Dark	42.500	30	46Eps Ori	1.6940	30000.	85	44057	No
237	GOM_NL__2PRFIN20100803_231422_000000472091_00416_44057_0365.N1	03-AUG-2010 23:14:22	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	44057	No
238	GOM_NL__2PRFIN20100803_231917_000000572091_00416_44057_0366.N1	03-AUG-2010 23:19:17	Dark	56.500	165	34Gam Eri	2.9500	3200.0	113	44057	No
239	GOM_NL__2PRFIN20100803_232842_000000472091_00417_44058_0365.N1	03-AUG-2010 23:28:42	Dark	46.500	157	The1Eri	2.9060	9300.0	93	44058	No
240	GOM_NL__2PRFIN20100803_233401_000000452091_00417_44058_0366.N1	03-AUG-2010 23:34:01	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44058	No
241	GOM_NL__2PRFIN20100803_233902_000000632091_00417_44058_0367.N1	03-AUG-2010 23:39:02	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	44058	No
242	GOM_NL__2PRFIN20100803_234407_000000502091_00417_44058_0368.N1	03-AUG-2010 23:44:07	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	44058	No
243	GOM_NL__2PRFIN20100803_234713_000000442091_00417_44058_0369.N1	03-AUG-2010 23:47:13	Straylight	43.500	172	Gam Gru	3.0030	13100.	87	44058	No
244	GOM_NL__2PRFIN20100803_235442_000000312091_00417_44058_0370.N1	03-AUG-2010 23:54:42	Twilight_stray	31.000	142	49Del Cap	2.8500	8900.0	62	44058	No

### 3. Quality information per product

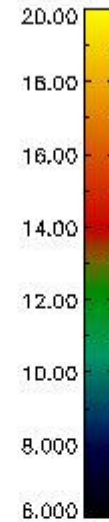
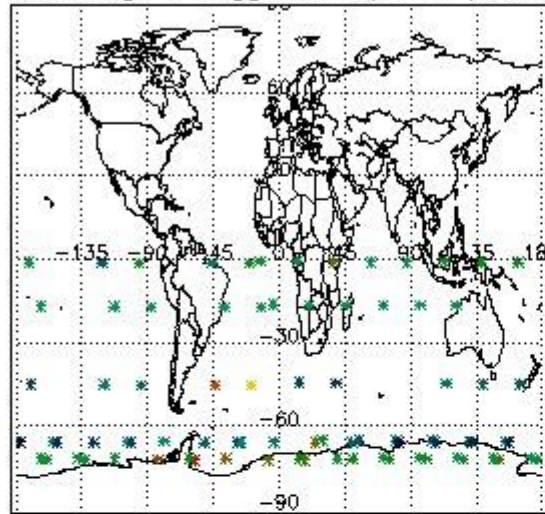
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

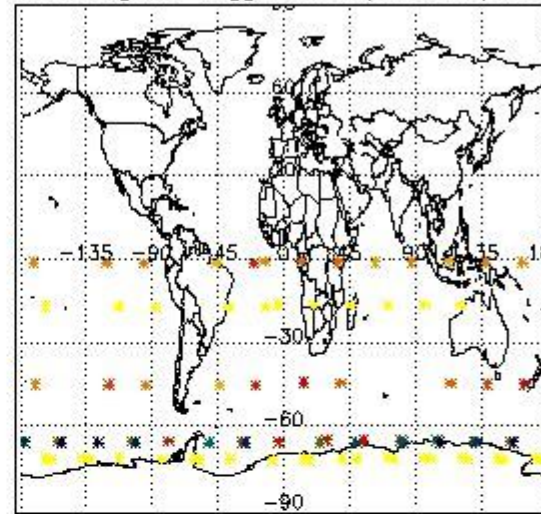


3.2 Plot quality information per product (world map)

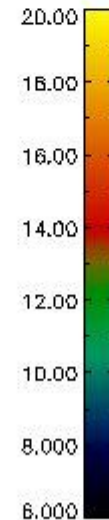
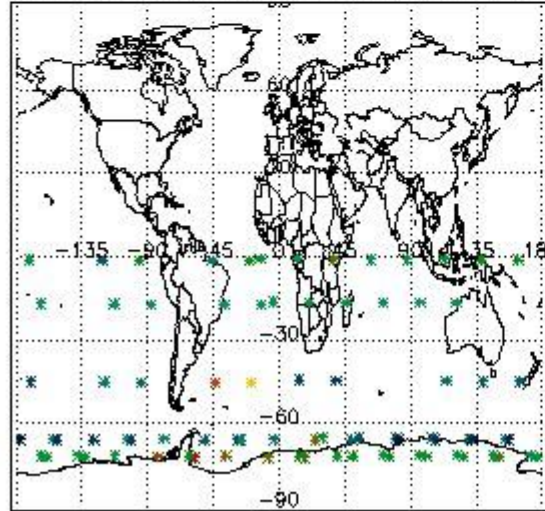
Percentage of flagged data per O3 profile



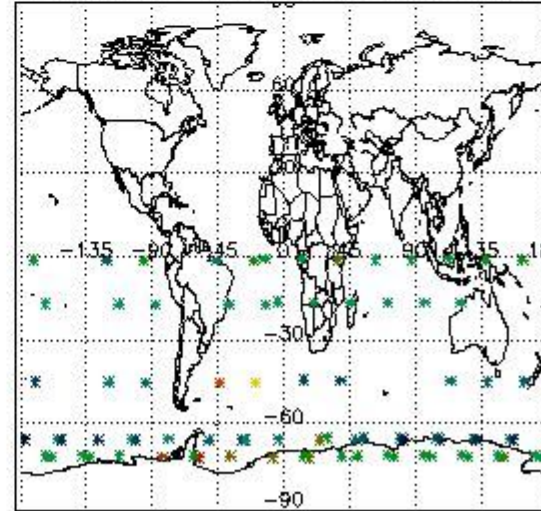
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



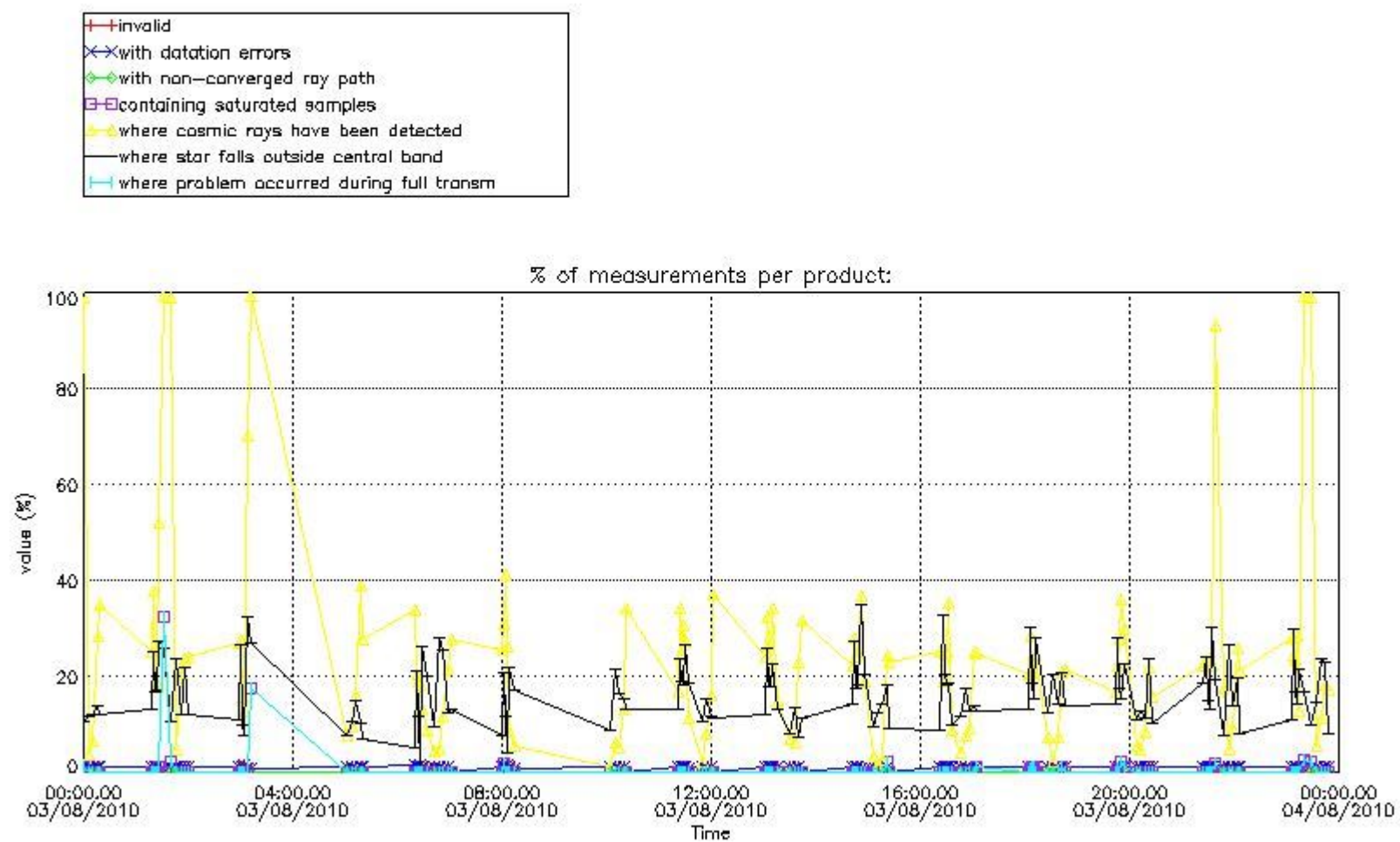
#### 4. Level 1 quality information per product

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.

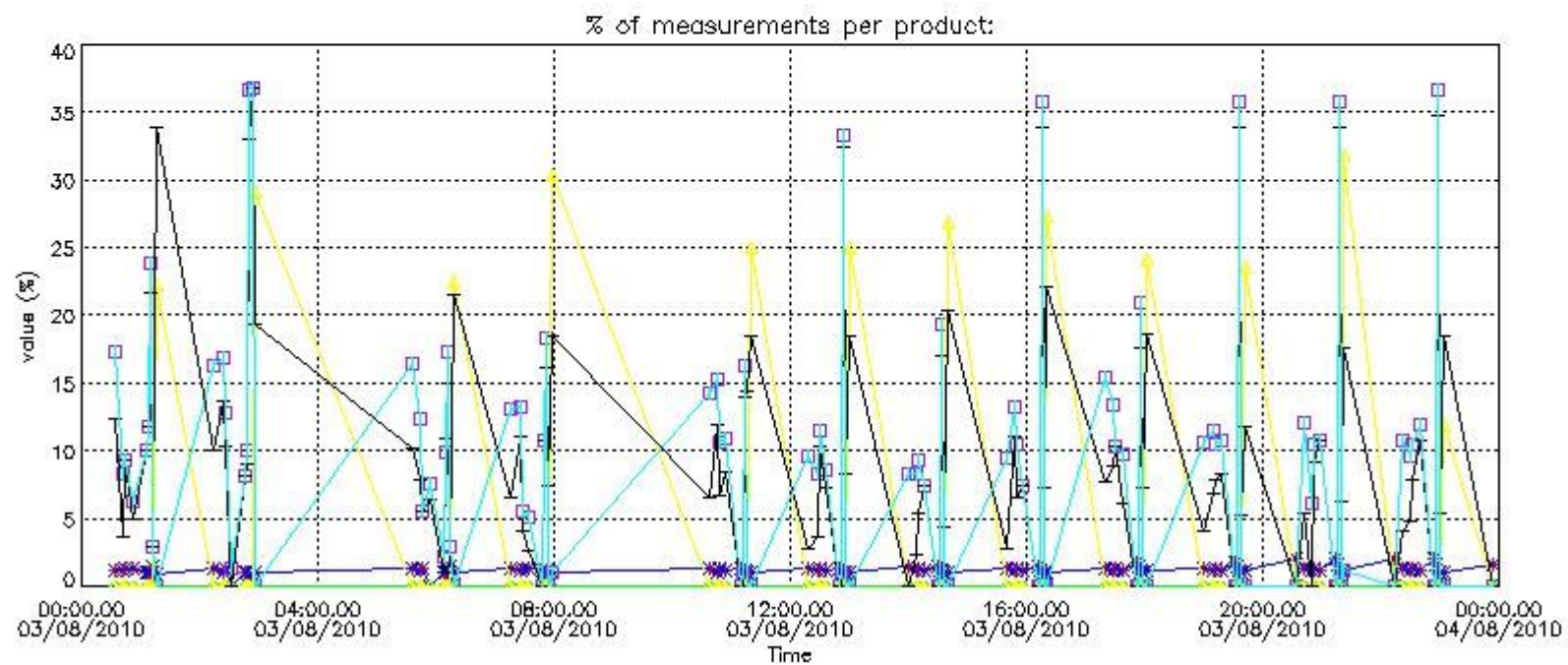
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



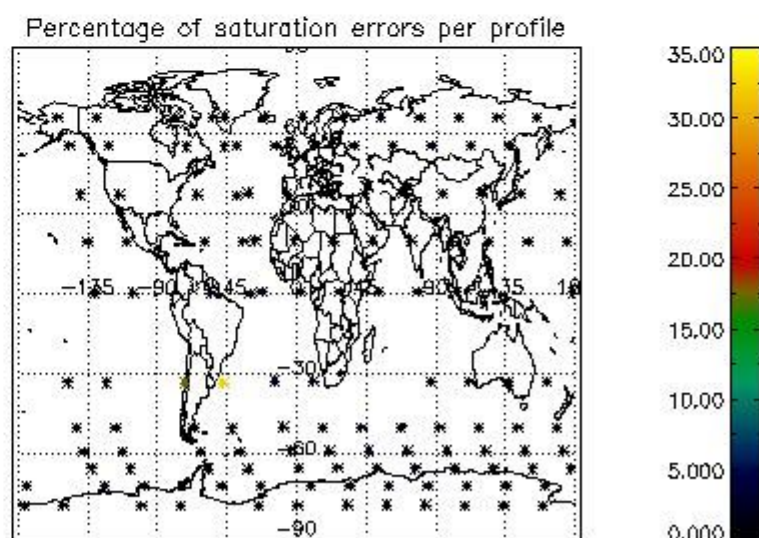
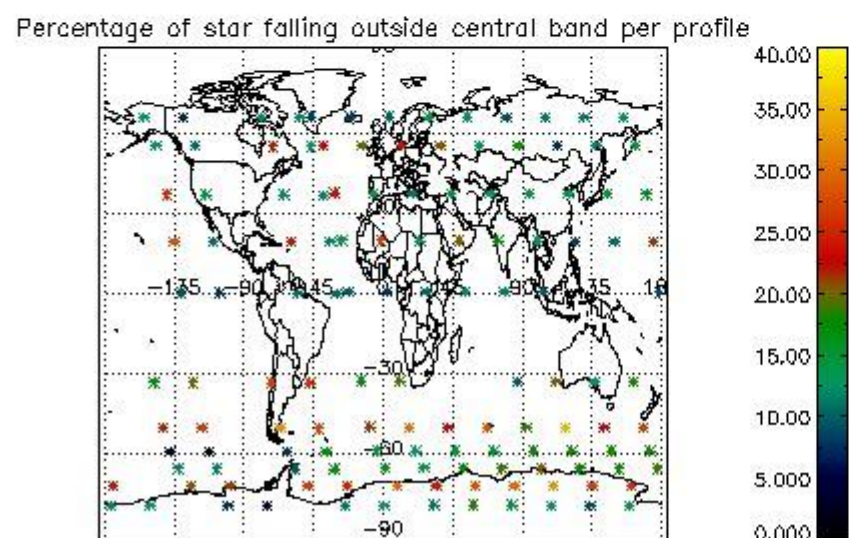
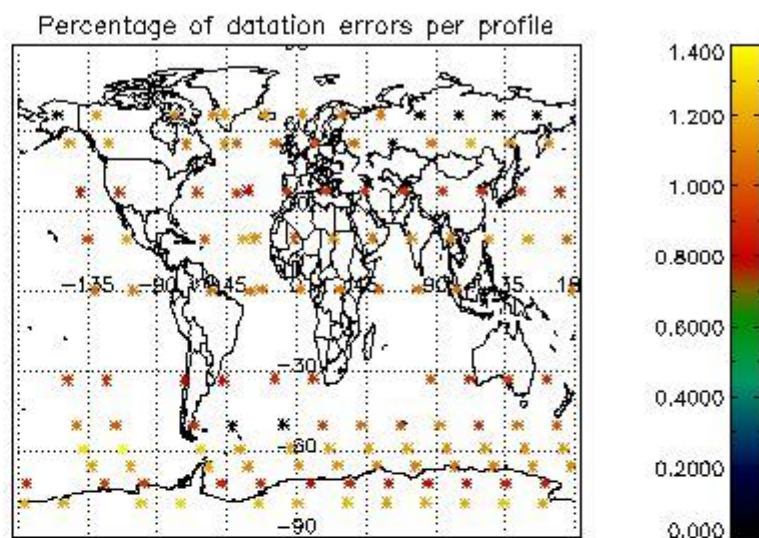
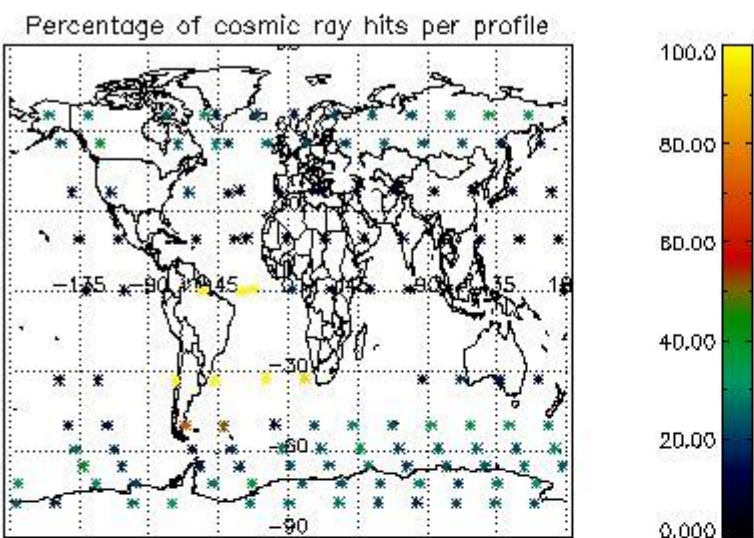


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

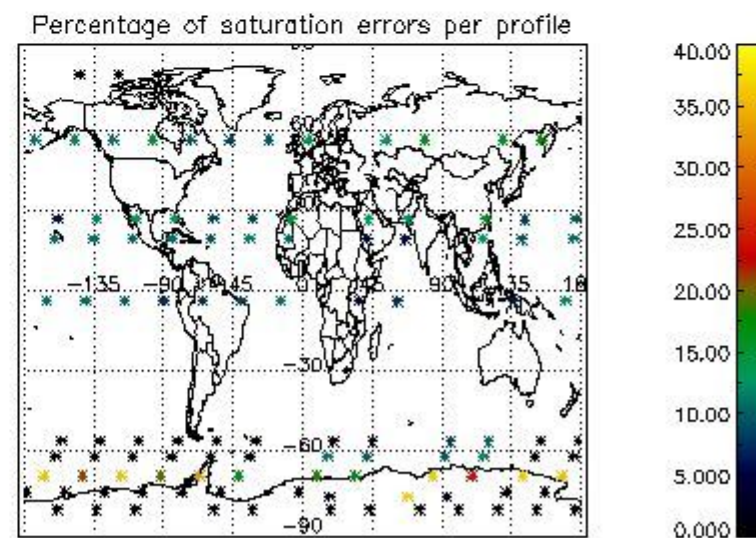
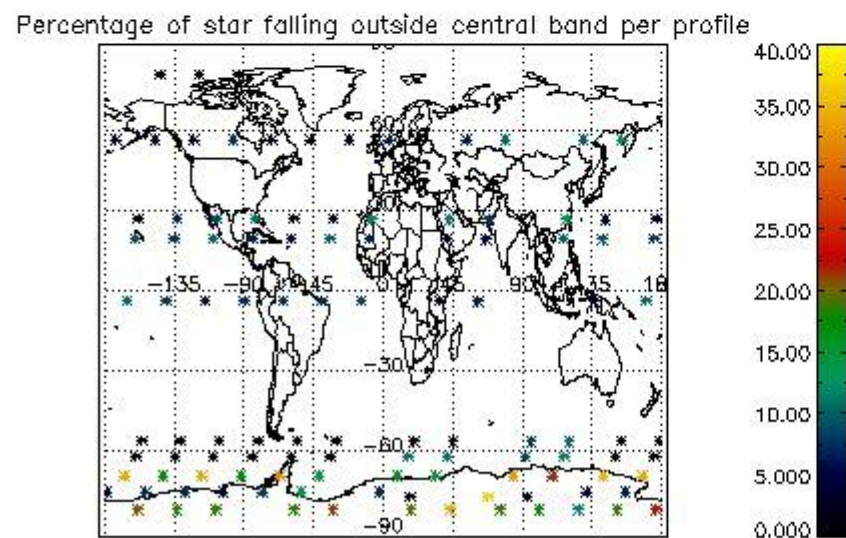
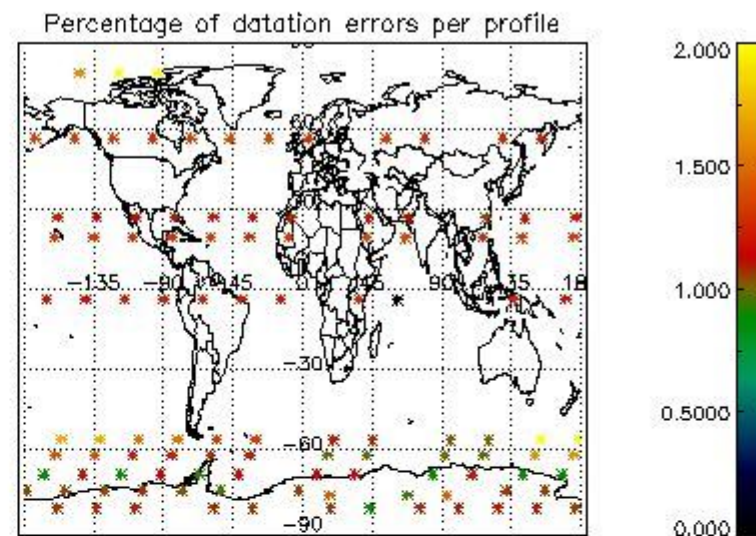
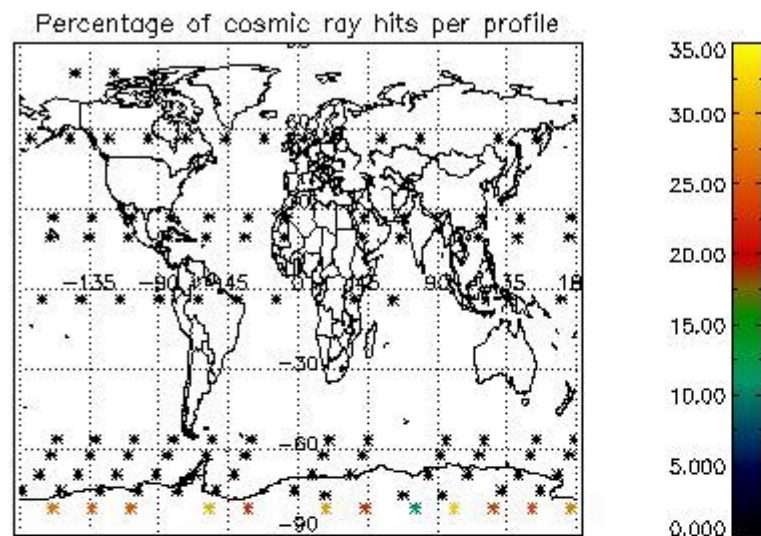


4.2 Plot quality information per product coming from level 1b processing (world map)

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

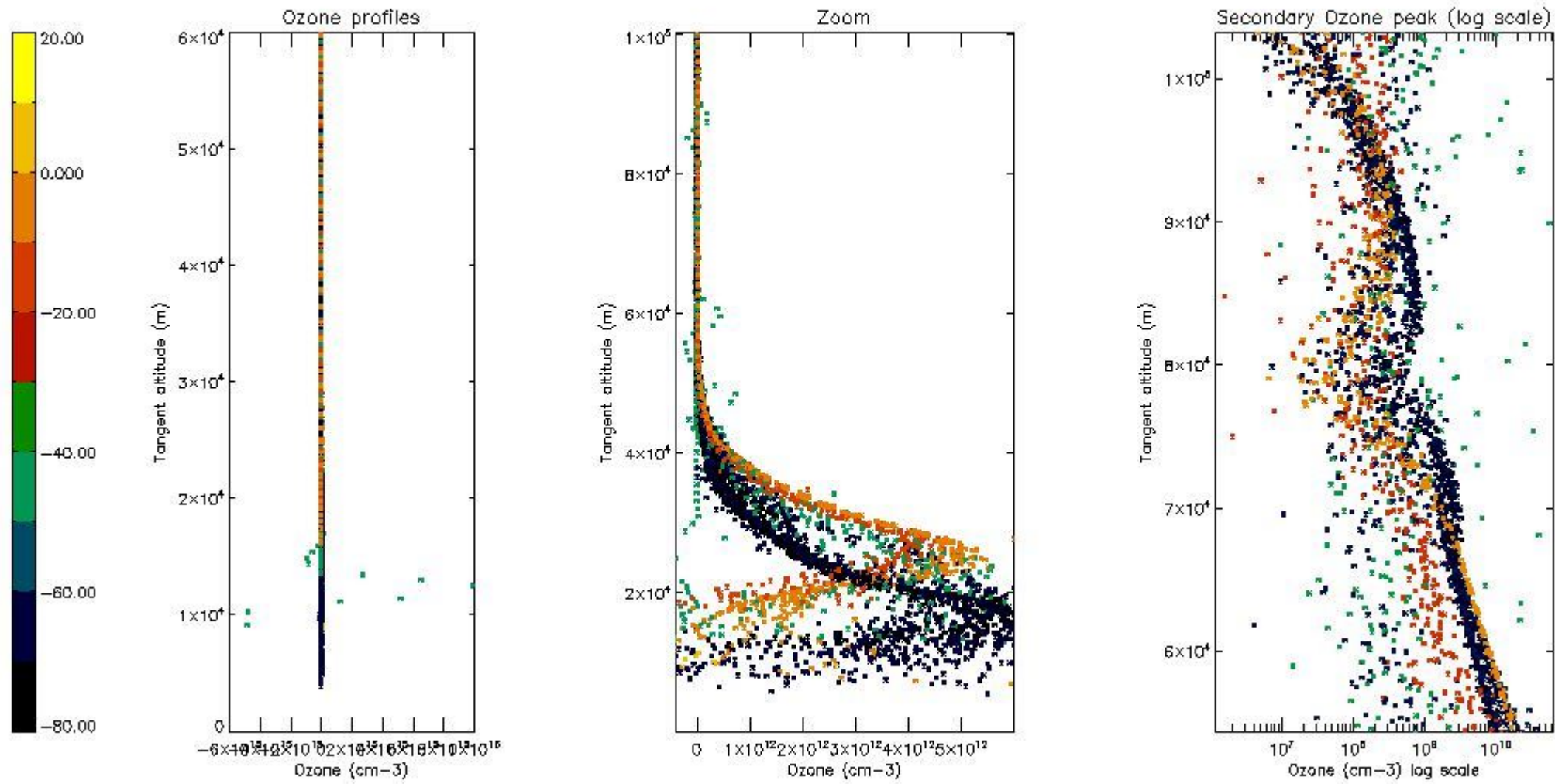
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	16
STD < 5	12

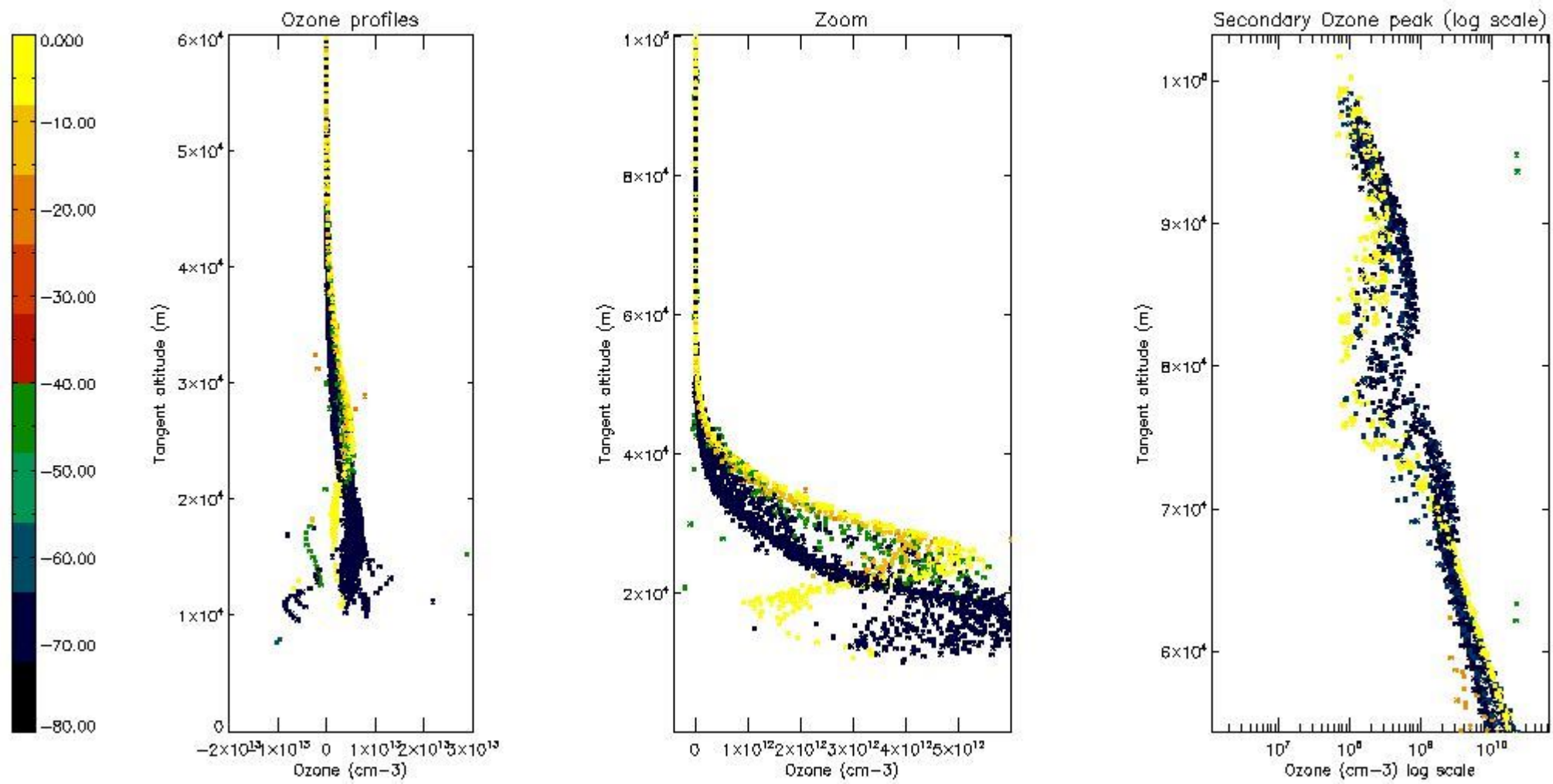
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



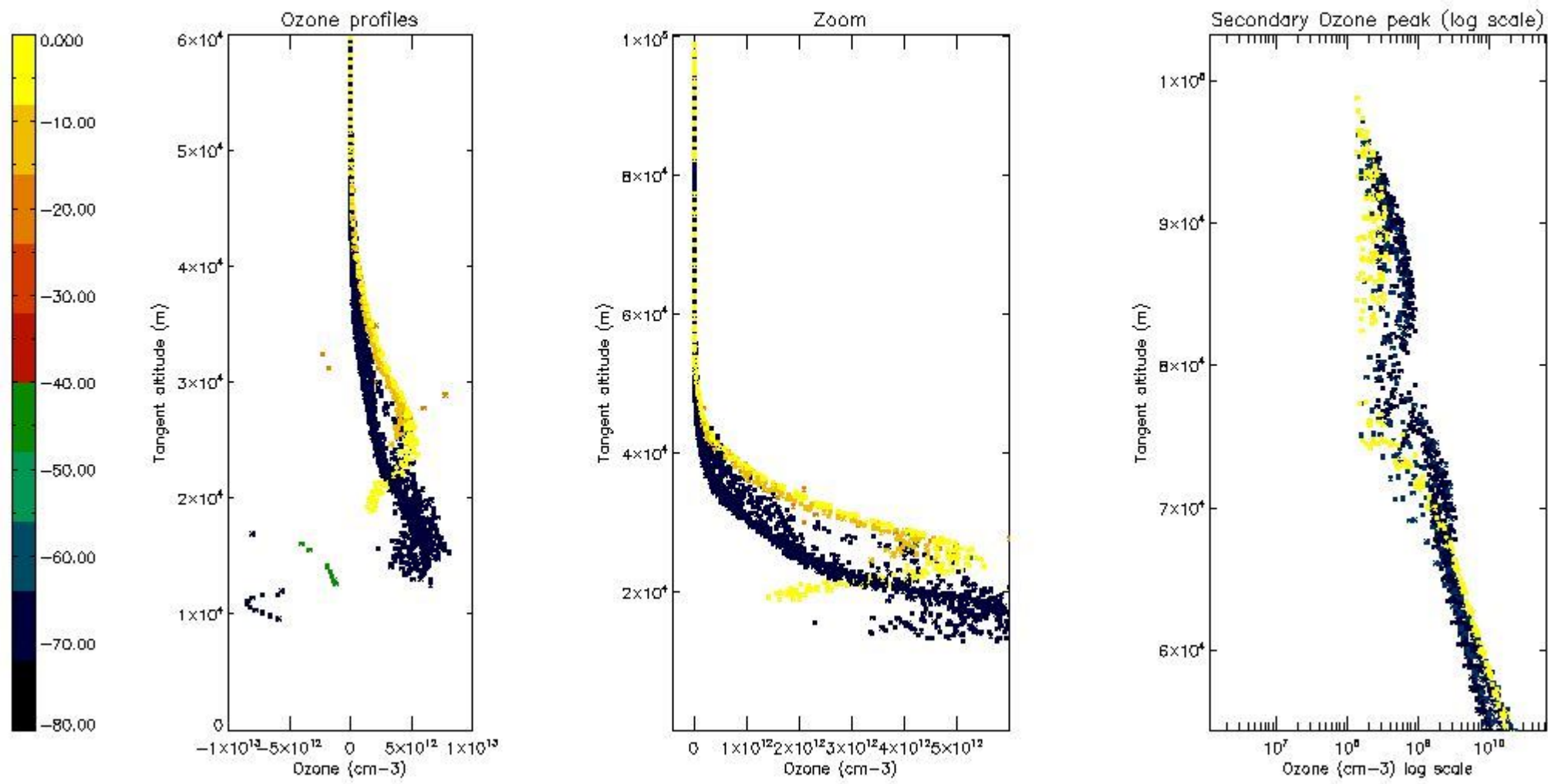
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



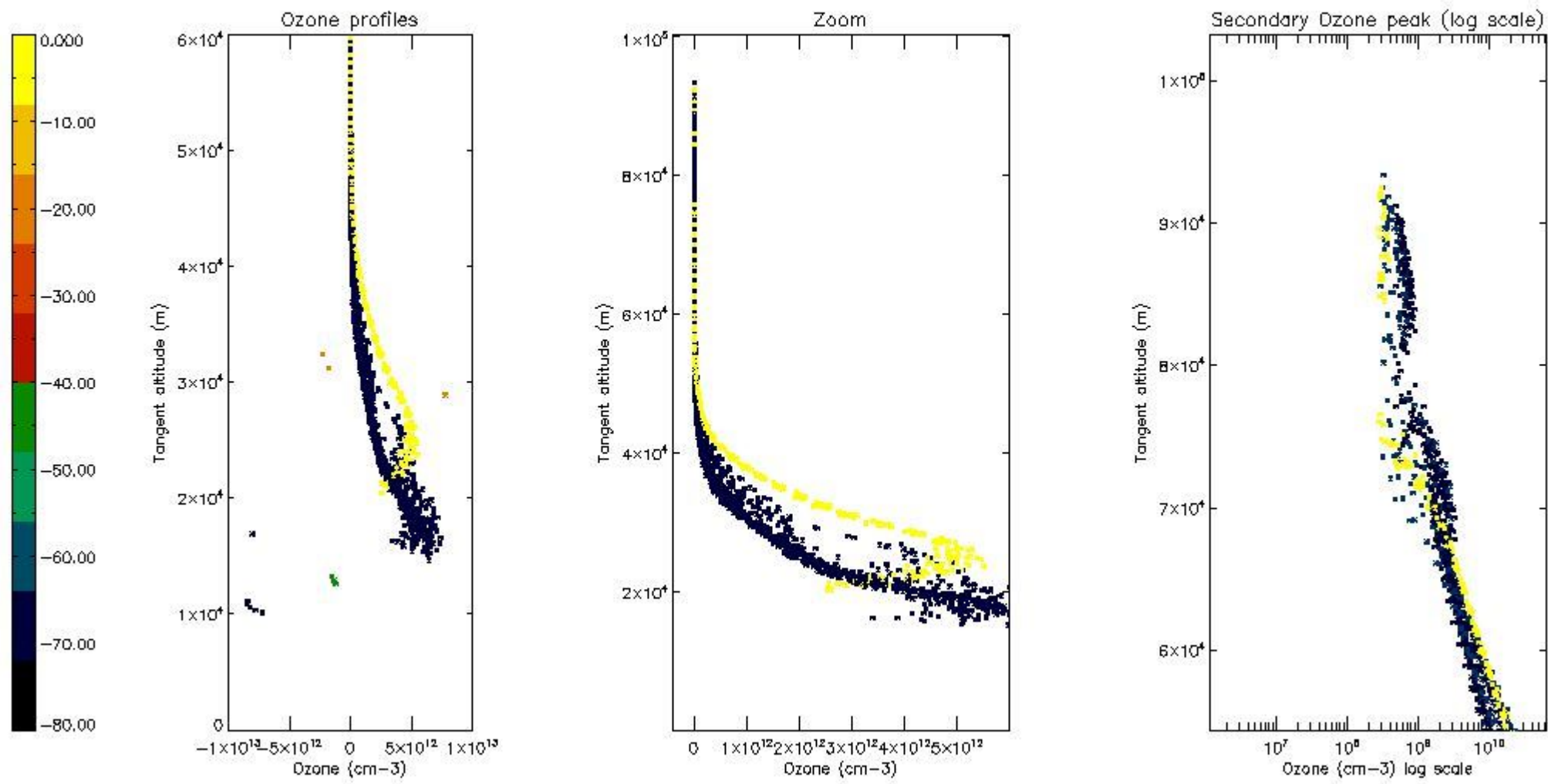
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



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

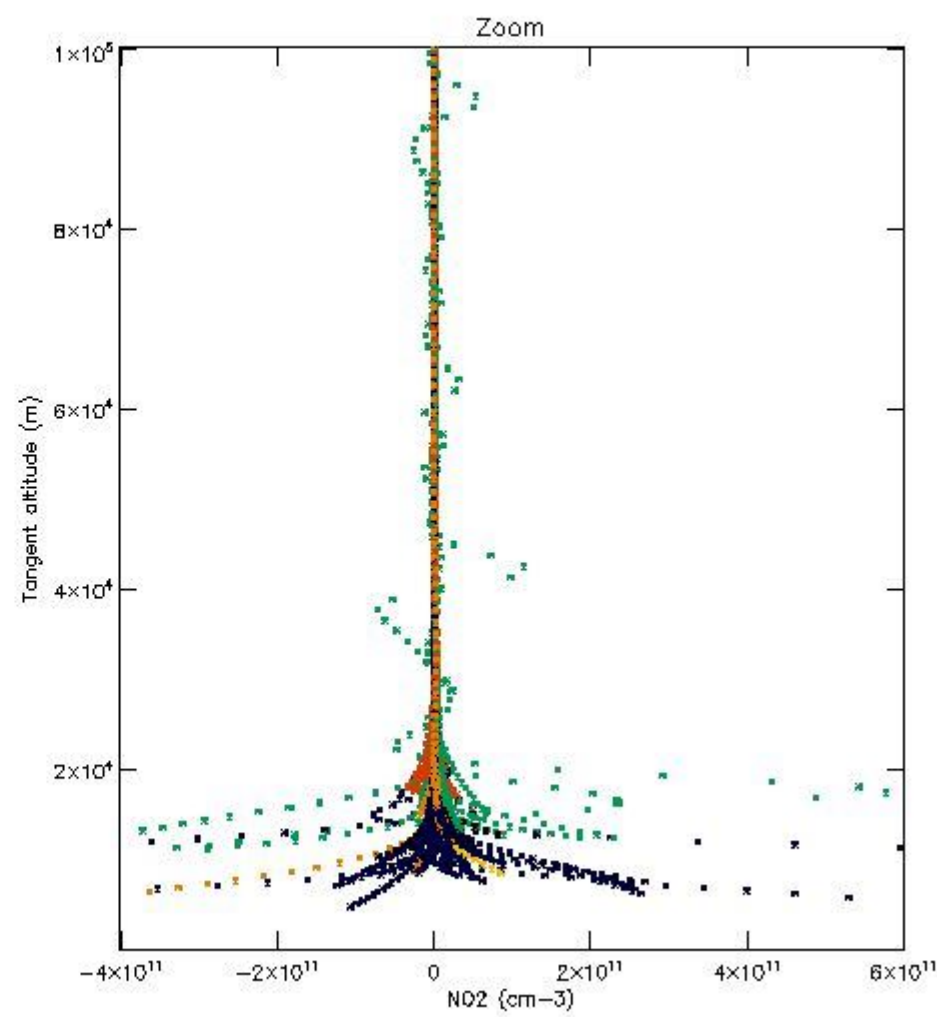
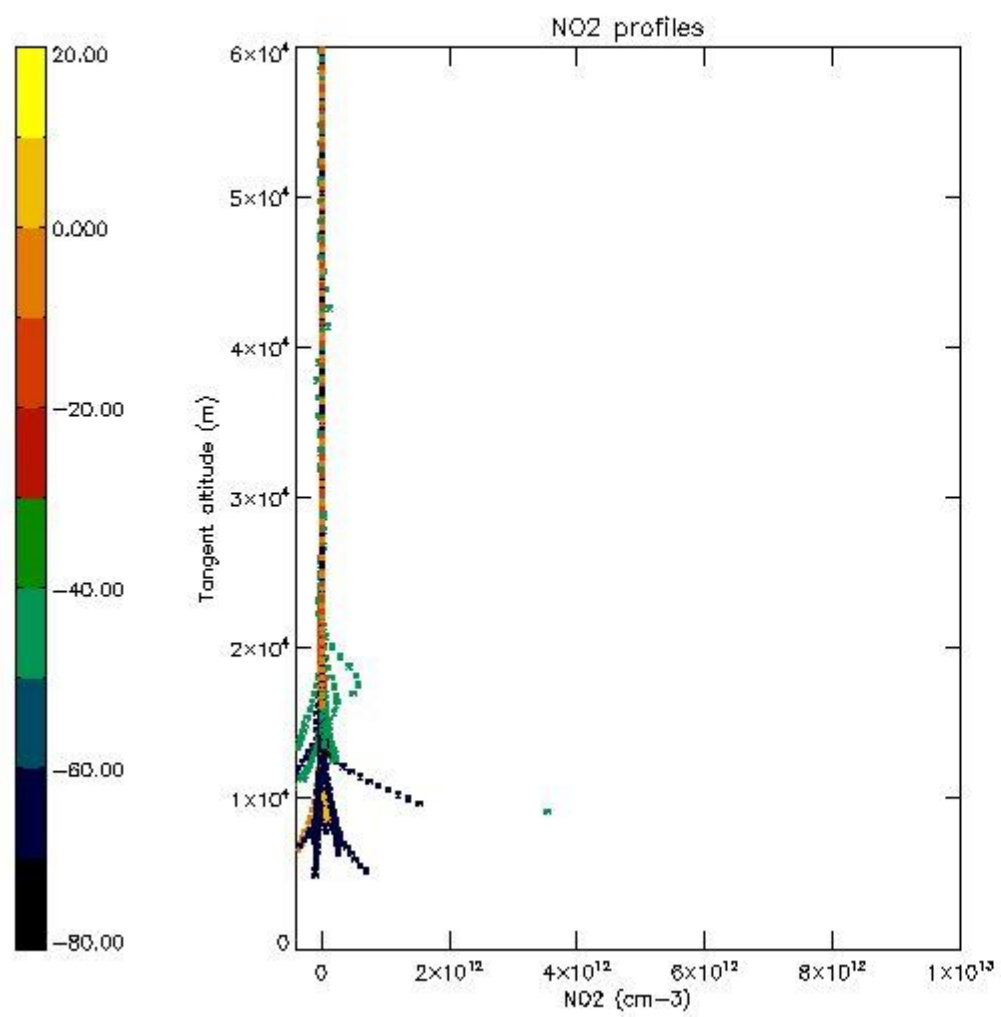
The colorbar represents the latitude.



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

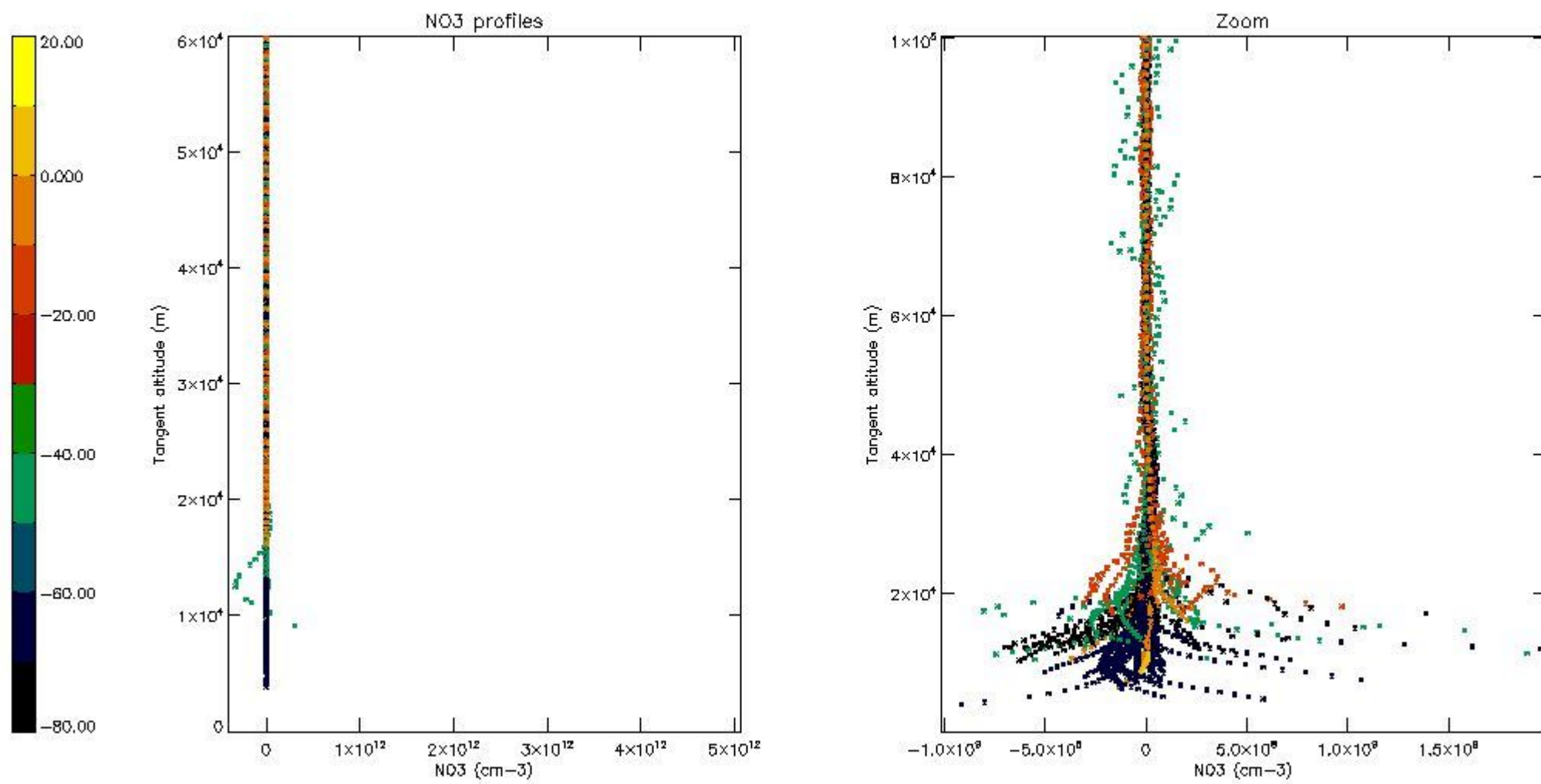
The colorbar represents the latitude.





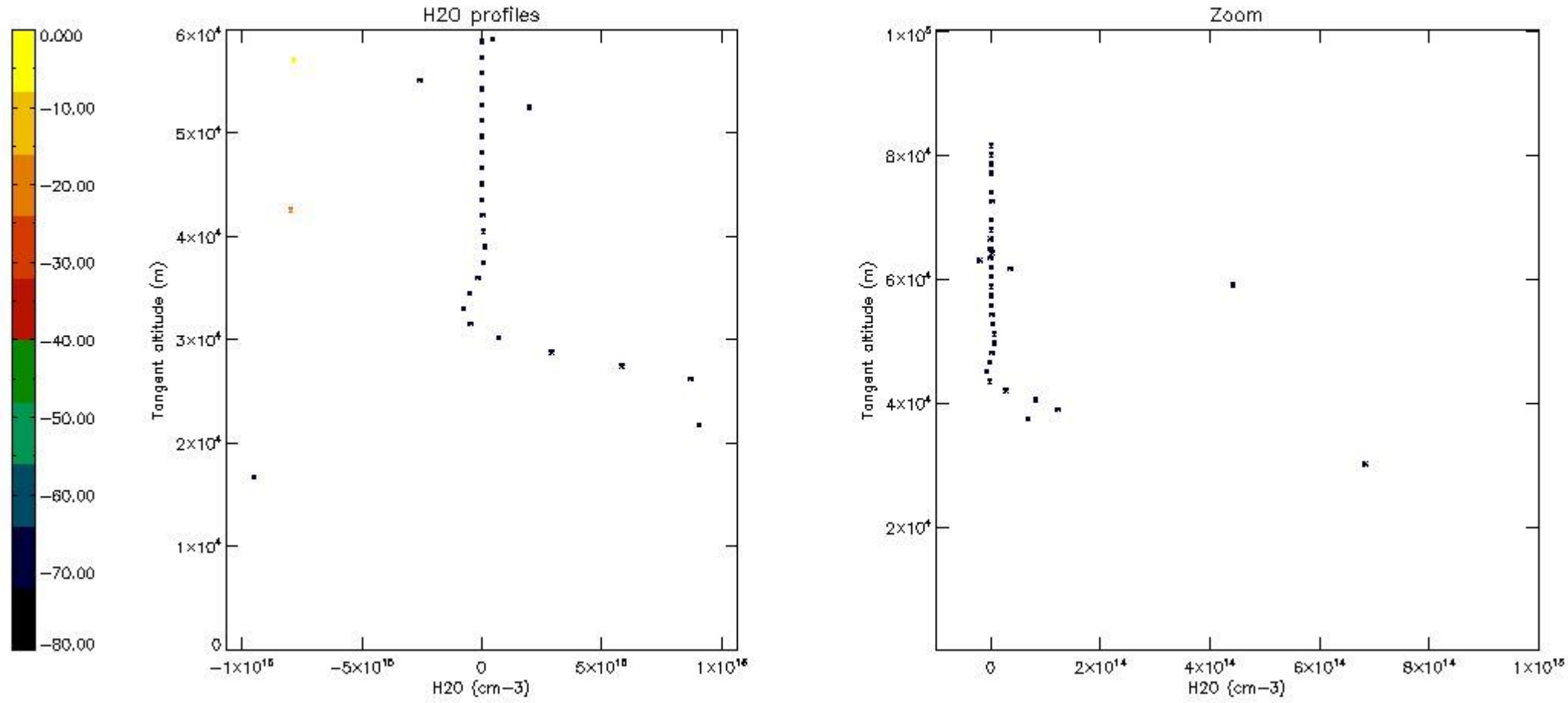
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	03-AUG-2010 00:00:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-AUG-2010 00:00:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-AUG-2010 00:00:05

# GOMOS Level 2 Daily Report

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#### [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	29APR2013 13:44:17
Data source version	GOMOS/6.01
Start time of products	03-08-2010 (03AUG2010 00:00:00)
Stop time of products	04-08-2010 (04AUG2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	244
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__2PRFIN20100803_000005_000000472091_00402_44043_9978.N1	03-AUG-2010 00:00:05	Dark	47.000	157	The1Eri	2.9060	9300.0	94	44043	No
2	GOM_NL__2PRFIN20100803_000528_000000432091_00403_44044_9979.N1	03-AUG-2010 00:05:28	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44044	No
3	GOM_NL__2PRFIN20100803_001024_000000552091_00403_44044_9980.N1	03-AUG-2010 00:10:24	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	44044	No
4	GOM_NL__2PRFIN20100803_001537_000000442091_00403_44044_9981.N1	03-AUG-2010 00:15:37	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	44044	No
5	GOM_NL__2PRFIN20100803_001844_000000462091_00403_44044_9982.N1	03-AUG-2010 00:18:44	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	44044	No
6	GOM_NL__2PRFIN20100803_003423_000000412091_00403_44044_9983.N1	03-AUG-2010 00:34:23	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	44044	No
7	GOM_NL__2PRFIN20100803_004252_000000422091_00403_44044_9984.N1	03-AUG-2010 00:42:52	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	44044	No
8	GOM_NL__2PRFIN20100803_004455_000000382091_00403_44044_9985.N1	03-AUG-2010 00:44:55	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	44044	No
9	GOM_NL__2PRFIN20100803_005125_000000402091_00403_44044_9986.N1	03-AUG-2010 00:51:25	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	44044	No
10	GOM_NL__2PRFIN20100803_010615_000000502091_00403_44044_9987.N1	03-AUG-2010 01:06:15	Bright	49.500	160	23Gam Per	2.9300	4700.0	99	44044	No
11	GOM_NL__2PRFIN20100803_010756_000000512091_00403_44044_9988.N1	03-AUG-2010 01:07:56	Bright	51.000	35	33Alp Per	1.7950	6250.0	102	44044	No
12	GOM_NL__2PRFIN20100803_011006_000000462091_00403_44044_9989.N1	03-AUG-2010 01:10:06	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	44044	No
13	GOM_NL__2PRFIN20100803_011234_000000352091_00403_44044_9990.N1	03-AUG-2010 01:12:34	Bright	34.500	107	37The Aur	2.6490	11000.	69	44044	No
14	GOM_NL__2PRFIN20100803_011523_000000562091_00403_44044_9991.N1	03-AUG-2010 01:15:23	Bright	56.000	28	12Bet Tau	1.6500	15200.	112	44044	No
15	GOM_NL__2PRFIN20100803_011729_000000422091_00403_44044_9992.N1	03-AUG-2010 01:17:29	Twilight	42.000	176	23Zet Tau	3.0200	22000.	84	44044	No
16	GOM_NL__2PRFIN20100803_012004_000000582091_00403_44044_9993.N1	03-AUG-2010 01:20:04	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	44044	No
17	GOM_NL__2PRFIN20100803_012203_000000452091_00403_44044_9994.N1	03-AUG-2010 01:22:03	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	44044	No
18	GOM_NL__2PRFIN20100803_012358_000000442091_00403_44044_9995.N1	03-AUG-2010 01:23:58	Dark	43.500	30	46Eps Ori	1.6940	30000.	87	44044	No
19	GOM_NL__2PRFIN20100803_012629_000000512091_00403_44044_9996.N1	03-AUG-2010 01:26:29	Dark	51.000	7	19Bet Ori	0.10000	14000.	102	44044	No
20	GOM_NL__2PRFIN20100803_013117_000000622091_00403_44044_9997.N1	03-AUG-2010 01:31:17	Dark	62.000	165	34Gam Eri	2.9500	3200.0	124	44044	No
21	GOM_NL__2PRFIN20100803_014042_000000482091_00403_44044_9990.N1	03-AUG-2010 01:40:42	Dark	47.500	157	The1Eri	2.9060	9300.0	95	44044	No
22	GOM_NL__2PRFIN20100803_014605_000000512091_00404_44045_9991.N1	03-AUG-2010 01:46:05	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44045	No
23	GOM_NL__2PRFIN20100803_015101_000000552091_00404_44045_9992.N1	03-AUG-2010 01:51:01	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	44045	No
24	GOM_NL__2PRFIN20100803_015613_000000492091_00404_44045_9993.N1	03-AUG-2010 01:56:13	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	44045	No
25	GOM_NL__2PRFIN20100803_015920_000000462091_00404_44045_9994.N1	03-AUG-2010 01:59:20	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	44045	No
26	GOM_NL__2PRFIN20100803_021458_000000402091_00404_44045_9995.N1	03-AUG-2010 02:14:58	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	44045	No
27	GOM_NL__2PRFIN20100803_022327_000000482091_00404_44045_9996.N1	03-AUG-2010 02:23:27	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	44045	No
28	GOM_NL__2PRFIN20100803_022530_000000392091_00404_44045_9997.N1	03-AUG-2010 02:25:30	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	44045	No
29	GOM_NL__2PRFIN20100803_023201_000000372091_00404_44045_9998.N1	03-AUG-2010 02:32:01	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	44045	No
30	GOM_NL__2PRFIN20100803_024650_000000492091_00404_44045_9999.N1	03-AUG-2010 02:46:50	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	44045	No
31	GOM_NL__2PRFIN20100803_024832_000000502091_00404_44045_0000.N1	03-AUG-2010 02:48:32	Bright	50.000	35	33Alp Per	1.7950	6250.0	100	44045	No
32	GOM_NL__2PRFIN20100803_025041_000000562091_00404_44045_0001.N1	03-AUG-2010 02:50:41	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44045	No
33	GOM_NL__2PRFIN20100803_025310_000000532091_00404_44045_0002.N1	03-AUG-2010 02:53:10	Bright	53.000	107	37The Aur	2.6490	11000.	106	44045	No
34	GOM_NL__2PRFIN20100803_025600_000000472091_00404_44045_0003.N1	03-AUG-2010 02:56:00	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	44045	No
35	GOM_NL__2PRFIN20100803_025806_000000412091_00404_44045_0004.N1	03-AUG-2010 02:58:06	Twilight	41.000	176	23Zet Tau	3.0200	22000.	82	44045	No
36	GOM_NL__2PRFIN20100803_030041_000000582091_00404_44045_0005.N1	03-AUG-2010 03:00:41	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	44045	No
37	GOM_NL__2PRFIN20100803_030239_000000422091_00404_44045_0006.N1	03-AUG-2010 03:02:39	Dark	41.500	27	24Gam Ori	1.6360	26000.	83	44045	No
38	GOM_NL__2PRFIN20100803_030434_000000392091_00404_44045_0007.N1	03-AUG-2010 03:04:34	Dark	39.000	30	46Eps Ori	1.6940	30000.	78	44045	No
39	GOM_NL__2PRFIN20100803_030705_000000562091_00404_44045_0008.N1	03-AUG-2010 03:07:05	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	44045	No
40	GOM_NL__2PRFIN20100803_031154_000000632091_00404_44045_0009.N1	03-AUG-2010 03:11:54	Dark	63.000	165	34Gam Eri	2.9500	3200.0	126	44045	No
41	GOM_NL__2PRFIN20100803_050155_000000472091_00405_44046_0012.N1	03-AUG-2010 05:01:55	Dark	46.500	157	The1Eri	2.9060	9300.0	93	44046	No
42	GOM_NL__2PRFIN20100803_050718_000000432091_00406_44047_0013.N1	03-AUG-2010 05:07:18	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44047	No

43	GOM_NL__2PRFIN20100803_051215_000000572091_00406_44047_0014.N1	03-AUG-2010 05:12:15	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	44047	No
44	GOM_NL__2PRFIN20100803_051726_000000442091_00406_44047_0015.N1	03-AUG-2010 05:17:26	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	44047	No
45	GOM_NL__2PRFIN20100803_052033_000000442091_00406_44047_0016.N1	03-AUG-2010 05:20:33	Straylight	43.500	172	Gam Gru	3.0030	13100.	87	44047	No
46	GOM_NL__2PRFIN20100803_053611_000000402091_00406_44047_0017.N1	03-AUG-2010 05:36:11	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	44047	No
47	GOM_NL__2PRFIN20100803_054438_000000452091_00406_44047_0018.N1	03-AUG-2010 05:44:38	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	44047	No
48	GOM_NL__2PRFIN20100803_054642_000000372091_00406_44047_0019.N1	03-AUG-2010 05:46:42	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	44047	No
49	GOM_NL__2PRFIN20100803_055312_000000402091_00406_44047_0020.N1	03-AUG-2010 05:53:12	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	44047	No
50	GOM_NL__2PRFIN20100803_060801_000000462091_00406_44047_0021.N1	03-AUG-2010 06:08:01	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	44047	No
51	GOM_NL__2PRFIN20100803_060943_000000512091_00406_44047_0022.N1	03-AUG-2010 06:09:43	Bright	50.500	35	33Alp Per	1.7950	6250.0	101	44047	No
52	GOM_NL__2PRFIN20100803_061154_000000442091_00406_44047_0023.N1	03-AUG-2010 06:11:54	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	44047	No
53	GOM_NL__2PRFIN20100803_061422_000000352091_00406_44047_0024.N1	03-AUG-2010 06:14:22	Bright	35.000	107	37The Aur	2.6490	11000.	70	44047	No
54	GOM_NL__2PRFIN20100803_061712_000000472091_00406_44047_0025.N1	03-AUG-2010 06:17:12	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	44047	No
55	GOM_NL__2PRFIN20100803_061918_000000392091_00406_44047_0026.N1	03-AUG-2010 06:19:18	Tw_i_and_stray	38.500	176	23Zet Tau	3.0200	22000.	77	44047	No
56	GOM_NL__2PRFIN20100803_062153_000000552091_00406_44047_0027.N1	03-AUG-2010 06:21:53	Dark	54.500	13	87Alp Tau	0.86700	3800.0	109	44047	No
57	GOM_NL__2PRFIN20100803_062352_000000432091_00406_44047_0028.N1	03-AUG-2010 06:23:52	Dark	42.500	27	24Gam Ori	1.6360	26000.	85	44047	No
58	GOM_NL__2PRFIN20100803_062547_000000362091_00406_44047_0029.N1	03-AUG-2010 06:25:47	Dark	36.000	30	46Eps Ori	1.6940	30000.	72	44047	No
59	GOM_NL__2PRFIN20100803_062819_000000502091_00406_44047_0030.N1	03-AUG-2010 06:28:19	Dark	49.500	7	19Bet Ori	0.10000	14000.	99	44047	No
60	GOM_NL__2PRFIN20100803_063308_000000582091_00406_44047_0031.N1	03-AUG-2010 06:33:08	Dark	57.500	165	34Gam Eri	2.9500	3200.0	115	44047	No
61	GOM_NL__2PRFIN20100803_064232_000000482091_00406_44047_0038.N1	03-AUG-2010 06:42:32	Dark	47.500	157	The1Eri	2.9060	9300.0	95	44047	No
62	GOM_NL__2PRFIN20100803_064755_000000542091_00407_44048_0039.N1	03-AUG-2010 06:47:55	Dark	53.500	9	Alp Eri	0.45300	24000.	107	44048	No
63	GOM_NL__2PRFIN20100803_065252_000000652091_00407_44048_0040.N1	03-AUG-2010 06:52:52	Straylight	64.500	84	Alp Phe	2.3970	4500.0	129	44048	No
64	GOM_NL__2PRFIN20100803_065802_000000442091_00407_44048_0041.N1	03-AUG-2010 06:58:02	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	44048	No
65	GOM_NL__2PRFIN20100803_070110_000000462091_00407_44048_0042.N1	03-AUG-2010 07:01:10	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	44048	No
66	GOM_NL__2PRFIN20100803_071647_000000382091_00407_44048_0043.N1	03-AUG-2010 07:16:47	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	44048	No
67	GOM_NL__2PRFIN20100803_072514_000000462091_00407_44048_0044.N1	03-AUG-2010 07:25:14	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	44048	No
68	GOM_NL__2PRFIN20100803_072718_000000372091_00407_44048_0045.N1	03-AUG-2010 07:27:18	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	44048	No
69	GOM_NL__2PRFIN20100803_073348_000000392091_00407_44048_0046.N1	03-AUG-2010 07:33:48	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	44048	No
70	GOM_NL__2PRFIN20100803_074837_000000422091_00407_44048_0047.N1	03-AUG-2010 07:48:37	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	44048	No
71	GOM_NL__2PRFIN20100803_075019_000000512091_00407_44048_0048.N1	03-AUG-2010 07:50:19	Bright	51.000	35	33Alp Per	1.7950	6250.0	102	44048	No
72	GOM_NL__2PRFIN20100803_075230_000000442091_00407_44048_0049.N1	03-AUG-2010 07:52:30	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	44048	No
73	GOM_NL__2PRFIN20100803_075423_000000482091_00407_44048_0050.N1	03-AUG-2010 07:54:23	Bright	47.500	149	45Eps Per	2.8880	30000.	95	44048	No
74	GOM_NL__2PRFIN20100803_075748_000000462091_00407_44048_0051.N1	03-AUG-2010 07:57:48	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	44048	No
75	GOM_NL__2PRFIN20100803_075954_000000402091_00407_44048_0052.N1	03-AUG-2010 07:59:54	Tw_i_and_stray	39.500	176	23Zet Tau	3.0200	22000.	79	44048	No
76	GOM_NL__2PRFIN20100803_080230_000000542091_00407_44048_0053.N1	03-AUG-2010 08:02:30	Dark	53.500	13	87Alp Tau	0.86700	3800.0	107	44048	No
77	GOM_NL__2PRFIN20100803_080428_000000432091_00407_44048_0054.N1	03-AUG-2010 08:04:28	Dark	42.500	27	24Gam Ori	1.6360	26000.	85	44048	No
78	GOM_NL__2PRFIN20100803_080623_000000382091_00407_44048_0055.N1	03-AUG-2010 08:06:23	Dark	38.000	30	46Eps Ori	1.6940	30000.	76	44048	No
79	GOM_NL__2PRFIN20100803_080855_000000482091_00407_44048_0056.N1	03-AUG-2010 08:08:55	Dark	48.000	7	19Bet Ori	0.10000	14000.	96	44048	No
80	GOM_NL__2PRFIN20100803_081345_000000562091_00407_44048_0057.N1	03-AUG-2010 08:13:45	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	44048	No
81	GOM_NL__2PRFIN20100803_100347_000000472091_00408_44049_0119.N1	03-AUG-2010 10:03:47	Dark	46.500	157	The1Eri	2.9060	9300.0	93	44049	No
82	GOM_NL__2PRFIN20100803_100908_000000492091_00409_44050_0120.N1	03-AUG-2010 10:09:08	Dark	49.000	9	Alp Eri	0.45300	24000.	98	44050	No
83	GOM_NL__2PRFIN20100803_101406_000000582091_00409_44050_0121.N1	03-AUG-2010 10:14:06	Straylight	57.500	84	Alp Phe	2.3970	4500.0	115	44050	No
84	GOM_NL__2PRFIN20100803_101915_000000462091_00409_44050_0122.N1	03-AUG-2010 10:19:15	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	44050	No
85	GOM_NL__2PRFIN20100803_102223_000000462091_00409_44050_0123.N1	03-AUG-2010 10:22:23	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	44050	No
86	GOM_NL__2PRFIN20100803_103758_000000392091_00409_44050_0124.N1	03-AUG-2010 10:37:58	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	44050	No
87	GOM_NL__2PRFIN20100803_104624_000000462091_00409_44050_0125.N1	03-AUG-2010 10:46:24	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	44050	No
88	GOM_NL__2PRFIN20100803_104829_000000382091_00409_44050_0126.N1	03-AUG-2010 10:48:29	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	44050	No
89	GOM_NL__2PRFIN20100803_105458_000000422091_00409_44050_0127.N1	03-AUG-2010 10:54:58	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	44050	No
90	GOM_NL__2PRFIN20100803_110948_000000382091_00409_44050_0128.N1	03-AUG-2010 11:09:48	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	44050	No
91	GOM_NL__2PRFIN20100803_111130_000000462091_00409_44050_0129.N1	03-AUG-2010 11:11:30	Bright	46.000	35	33Alp Per	1.7950	6250.0	92	44050	No
92	GOM_NL__2PRFIN20100803_111341_000000432091_00409_44050_0130.N1	03-AUG-2010 11:13:41	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	44050	No
93	GOM_NL__2PRFIN20100803_111534_000000522091_00409_44050_0131.N1	03-AUG-2010 11:15:34	Bright	52.000	149	45Eps Per	2.8880	30000.	104	44050	No
94	GOM_NL__2PRFIN20100803_111900_000000462091_00409_44050_0132.N1	03-AUG-2010 11:19:00	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	44050	No
95	GOM_NL__2PRFIN20100803_112106_000000422091_00409_44050_0133.N1	03-AUG-2010 11:21:06	Tw_i_and_stray	42.000	176	23Zet Tau	3.0200	22000.	84	44050	No
96	GOM_NL__2PRFIN20100803_112342_000000572091_00409_44050_0134.N1	03-AUG-2010 11:23:42	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	44050	No
97	GOM_NL__2PRFIN20100803_112541_000000452091_00409_44050_0135.N1	03-AUG-2010 11:25:41	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	44050	No
98	GOM_NL__2PRFIN20100803_112736_000000442091_00409_44050_0136.N1	03-AUG-2010 11:27:36	Dark	44.000	30	46Eps Ori	1.6940	30000.	88	44050	No
99	GOM_NL__2PRFIN20100803_113007_000000512091_00409_44050_0137.N1	03-AUG-2010 11:30:07	Dark	51.000	7	19Bet Ori	0.10000	14000.	102	44050	No
100	GOM_NL__2PRFIN20100803_113458_000000572091_00409_44050_0138.N1	03-AUG-2010 11:34:58	Dark	57.000	165	34Gam Eri	2.9500	3200.0	114	44050	No
101	GOM_NL__2PRFIN20100803_114945_000000432091_00410_44051_0154.N1	03-AUG-2010 11:49:45	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44051	No

102	GOM_NL__2PRFIN20100803_115443_000000562091_00410_44051_0155.N1	03-AUG-2010 11:54:43	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	44051	No
103	GOM_NL__2PRFIN20100803_115952_000000442091_00410_44051_0156.N1	03-AUG-2010 11:59:52	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	44051	No
104	GOM_NL__2PRFIN20100803_120259_000000452091_00410_44051_0157.N1	03-AUG-2010 12:02:59	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	44051	No
105	GOM_NL__2PRFIN20100803_121834_000000372091_00410_44051_0158.N1	03-AUG-2010 12:18:34	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	44051	No
106	GOM_NL__2PRFIN20100803_122700_000000422091_00410_44051_0159.N1	03-AUG-2010 12:27:00	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	44051	No
107	GOM_NL__2PRFIN20100803_122905_000000392091_00410_44051_0160.N1	03-AUG-2010 12:29:05	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	44051	No
108	GOM_NL__2PRFIN20100803_123534_000000412091_00410_44051_0161.N1	03-AUG-2010 12:35:34	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	44051	No
109	GOM_NL__2PRFIN20100803_125023_000000382091_00410_44051_0162.N1	03-AUG-2010 12:50:23	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	44051	No
110	GOM_NL__2PRFIN20100803_125206_000000462091_00410_44051_0163.N1	03-AUG-2010 12:52:06	Bright	46.000	35	33Alp Per	1.7950	6250.0	92	44051	No
111	GOM_NL__2PRFIN20100803_125417_000000542091_00410_44051_0164.N1	03-AUG-2010 12:54:17	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	44051	No
112	GOM_NL__2PRFIN20100803_125610_000000492091_00410_44051_0165.N1	03-AUG-2010 12:56:10	Bright	48.500	149	45Eps Per	2.8880	30000.	97	44051	No
113	GOM_NL__2PRFIN20100803_125936_000000462091_00410_44051_0166.N1	03-AUG-2010 12:59:36	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	44051	No
114	GOM_NL__2PRFIN20100803_130142_000000422091_00410_44051_0167.N1	03-AUG-2010 13:01:42	Tw_i_and_stray	41.500	176	23Zet Tau	3.0200	22000.	83	44051	No
115	GOM_NL__2PRFIN20100803_130419_000000592091_00410_44051_0168.N1	03-AUG-2010 13:04:19	Dark	58.500	13	87Alp Tau	0.86700	3800.0	117	44051	No
116	GOM_NL__2PRFIN20100803_130617_000000452091_00410_44051_0169.N1	03-AUG-2010 13:06:17	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	44051	No
117	GOM_NL__2PRFIN20100803_130812_000000452091_00410_44051_0170.N1	03-AUG-2010 13:08:12	Dark	44.500	30	46Eps Ori	1.6940	30000.	89	44051	No
118	GOM_NL__2PRFIN20100803_131044_000000492091_00410_44051_0171.N1	03-AUG-2010 13:10:44	Dark	48.500	7	19Bet Ori	0.10000	14000.	97	44051	No
119	GOM_NL__2PRFIN20100803_131535_000000542091_00410_44051_0172.N1	03-AUG-2010 13:15:35	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	44051	No
120	GOM_NL__2PRFIN20100803_133022_000000432091_00411_44052_0198.N1	03-AUG-2010 13:30:22	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44052	No
121	GOM_NL__2PRFIN20100803_133520_000000562091_00411_44052_0199.N1	03-AUG-2010 13:35:20	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	44052	No
122	GOM_NL__2PRFIN20100803_134028_000000422091_00411_44052_0200.N1	03-AUG-2010 13:40:28	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44052	No
123	GOM_NL__2PRFIN20100803_134335_000000452091_00411_44052_0201.N1	03-AUG-2010 13:43:35	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	44052	No
124	GOM_NL__2PRFIN20100803_135910_000000362091_00411_44052_0202.N1	03-AUG-2010 13:59:10	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	44052	No
125	GOM_NL__2PRFIN20100803_140735_000000422091_00411_44052_0203.N1	03-AUG-2010 14:07:35	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	44052	No
126	GOM_NL__2PRFIN20100803_140941_000000382091_00411_44052_0204.N1	03-AUG-2010 14:09:41	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	44052	No
127	GOM_NL__2PRFIN20100803_141609_000000412091_00411_44052_0205.N1	03-AUG-2010 14:16:09	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	44052	No
128	GOM_NL__2PRFIN20100803_143059_000000332091_00411_44052_0206.N1	03-AUG-2010 14:30:59	Tw_i_and_stray	33.000	160	23Gam Per	2.9300	4700.0	66	44052	No
129	GOM_NL__2PRFIN20100803_143241_000000412091_00411_44052_0207.N1	03-AUG-2010 14:32:41	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	44052	No
130	GOM_NL__2PRFIN20100803_143453_000000442091_00411_44052_0208.N1	03-AUG-2010 14:34:53	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	44052	No
131	GOM_NL__2PRFIN20100803_143646_000000472091_00411_44052_0209.N1	03-AUG-2010 14:36:46	Bright	46.500	149	45Eps Per	2.8880	30000.	93	44052	No
132	GOM_NL__2PRFIN20100803_144012_000000472091_00411_44052_0210.N1	03-AUG-2010 14:40:12	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	44052	No
133	GOM_NL__2PRFIN20100803_144219_000000432091_00411_44052_0211.N1	03-AUG-2010 14:42:19	Tw_i_and_stray	42.500	176	23Zet Tau	3.0200	22000.	85	44052	No
134	GOM_NL__2PRFIN20100803_144455_000000592091_00411_44052_0212.N1	03-AUG-2010 14:44:55	Dark	59.000	13	87Alp Tau	0.86700	3800.0	118	44052	No
135	GOM_NL__2PRFIN20100803_144654_000000462091_00411_44052_0213.N1	03-AUG-2010 14:46:54	Dark	45.500	27	24Gam Ori	1.6360	26000.	91	44052	No
136	GOM_NL__2PRFIN20100803_144848_000000442091_00411_44052_0214.N1	03-AUG-2010 14:48:48	Dark	44.000	30	46Eps Ori	1.6940	30000.	88	44052	No
137	GOM_NL__2PRFIN20100803_145120_000000572091_00411_44052_0215.N1	03-AUG-2010 14:51:20	Dark	57.000	7	19Bet Ori	0.10000	14000.	114	44052	No
138	GOM_NL__2PRFIN20100803_145612_000000592091_00411_44052_0216.N1	03-AUG-2010 14:56:12	Dark	58.500	165	34Gam Eri	2.9500	3200.0	117	44052	No
139	GOM_NL__2PRFIN20100803_150537_000000472091_00412_44053_0246.N1	03-AUG-2010 15:05:37	Dark	47.000	157	The1Eri	2.9060	9300.0	94	44053	No
140	GOM_NL__2PRFIN20100803_151058_000000442091_00412_44053_0247.N1	03-AUG-2010 15:10:58	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44053	No
141	GOM_NL__2PRFIN20100803_151556_000000562091_00412_44053_0248.N1	03-AUG-2010 15:15:56	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	44053	No
142	GOM_NL__2PRFIN20100803_152105_000000472091_00412_44053_0249.N1	03-AUG-2010 15:21:05	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	44053	No
143	GOM_NL__2PRFIN20100803_152412_000000442091_00412_44053_0250.N1	03-AUG-2010 15:24:12	Straylight	44.000	172	Gam Gru	3.0030	13100.	88	44053	No
144	GOM_NL__2PRFIN20100803_153945_000000372091_00412_44053_0251.N1	03-AUG-2010 15:39:45	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	44053	No
145	GOM_NL__2PRFIN20100803_154811_000000462091_00412_44053_0252.N1	03-AUG-2010 15:48:11	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	44053	No
146	GOM_NL__2PRFIN20100803_155016_000000382091_00412_44053_0253.N1	03-AUG-2010 15:50:16	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44053	No
147	GOM_NL__2PRFIN20100803_155645_000000412091_00412_44053_0254.N1	03-AUG-2010 15:56:45	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	44053	No
148	GOM_NL__2PRFIN20100803_161135_000000332091_00412_44053_0255.N1	03-AUG-2010 16:11:35	Tw_i_and_stray	33.000	160	23Gam Per	2.9300	4700.0	66	44053	No
149	GOM_NL__2PRFIN20100803_161317_000000412091_00412_44053_0256.N1	03-AUG-2010 16:13:17	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	44053	No
150	GOM_NL__2PRFIN20100803_161529_000000562091_00412_44053_0257.N1	03-AUG-2010 16:15:29	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44053	No
151	GOM_NL__2PRFIN20100803_161722_000000492091_00412_44053_0258.N1	03-AUG-2010 16:17:22	Bright	48.500	149	45Eps Per	2.8880	30000.	97	44053	No
152	GOM_NL__2PRFIN20100803_162048_000000482091_00412_44053_0259.N1	03-AUG-2010 16:20:48	Bright	47.500	28	12Bet Tau	1.6500	15200.	95	44053	No
153	GOM_NL__2PRFIN20100803_162255_000000402091_00412_44053_0260.N1	03-AUG-2010 16:22:55	Tw_i_and_stray	40.000	176	23Zet Tau	3.0200	22000.	80	44053	No
154	GOM_NL__2PRFIN20100803_162532_000000642091_00412_44053_0261.N1	03-AUG-2010 16:25:32	Dark	64.000	13	87Alp Tau	0.86700	3800.0	128	44053	No
155	GOM_NL__2PRFIN20100803_162730_000000472091_00412_44053_0262.N1	03-AUG-2010 16:27:30	Dark	47.000	27	24Gam Ori	1.6360	26000.	94	44053	No
156	GOM_NL__2PRFIN20100803_162925_000000442091_00412_44053_0263.N1	03-AUG-2010 16:29:25	Dark	44.000	30	46Eps Ori	1.6940	30000.	88	44053	No
157	GOM_NL__2PRFIN20100803_163157_000000462091_00412_44053_0264.N1	03-AUG-2010 16:31:57	Dark	45.500	7	19Bet Ori	0.10000	14000.	91	44053	No
158	GOM_NL__2PRFIN20100803_163649_000000522091_00412_44053_0265.N1	03-AUG-2010 16:36:49	Dark	51.500	165	34Gam Eri	2.9500	3200.0	103	44053	No
159	GOM_NL__2PRFIN20100803_164614_000000482091_00413_44054_0278.N1	03-AUG-2010 16:46:14	Dark	48.000	157	The1Eri	2.9060	9300.0	96	44054	No
160	GOM_NL__2PRFIN20100803_165135_000000462091_00413_44054_0279.N1	03-AUG-2010 16:51:35	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44054	No

161	GOM_NL__2PRFIN20100803_165633_000000562091_00413_44054_0280.N1	03-AUG-2010 16:56:33	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	44054	No
162	GOM_NL__2PRFIN20100803_170141_000000442091_00413_44054_0281.N1	03-AUG-2010 17:01:41	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	44054	No
163	GOM_NL__2PRFIN20100803_170448_000000472091_00413_44054_0282.N1	03-AUG-2010 17:04:48	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	44054	No
164	GOM_NL__2PRFIN20100803_172022_000000392091_00413_44054_0283.N1	03-AUG-2010 17:20:22	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	44054	No
165	GOM_NL__2PRFIN20100803_172846_000000452091_00413_44054_0284.N1	03-AUG-2010 17:28:46	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	44054	No
166	GOM_NL__2PRFIN20100803_173052_000000392091_00413_44054_0285.N1	03-AUG-2010 17:30:52	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	44054	No
167	GOM_NL__2PRFIN20100803_173721_000000412091_00413_44054_0286.N1	03-AUG-2010 17:37:21	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	44054	No
168	GOM_NL__2PRFIN20100803_175210_000000292091_00413_44054_0287.N1	03-AUG-2010 17:52:10	Tw_i_and_stray	29.000	160	23Gam Per	2.9300	4700.0	58	44054	No
169	GOM_NL__2PRFIN20100803_175353_000000362091_00413_44054_0288.N1	03-AUG-2010 17:53:53	Bright	36.000	35	33Alp Per	1.7950	6250.0	72	44054	No
170	GOM_NL__2PRFIN20100803_175605_000000462091_00413_44054_0289.N1	03-AUG-2010 17:56:05	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	44054	No
171	GOM_NL__2PRFIN20100803_175758_000000482091_00413_44054_0290.N1	03-AUG-2010 17:57:58	Bright	48.000	149	45Eps Per	2.8880	30000.	96	44054	No
172	GOM_NL__2PRFIN20100803_180125_000000462091_00413_44054_0291.N1	03-AUG-2010 18:01:25	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	44054	No
173	GOM_NL__2PRFIN20100803_180331_000000422091_00413_44054_0292.N1	03-AUG-2010 18:03:31	Tw_i_and_stray	41.500	176	23Zet Tau	3.0200	22000.	83	44054	No
174	GOM_NL__2PRFIN20100803_180608_000000622091_00413_44054_0293.N1	03-AUG-2010 18:06:08	Dark	61.500	13	87Alp Tau	0.86700	3800.0	123	44054	No
175	GOM_NL__2PRFIN20100803_180806_000000462091_00413_44054_0294.N1	03-AUG-2010 18:08:06	Dark	46.000	27	24Gam Ori	1.6360	26000.	92	44054	No
176	GOM_NL__2PRFIN20100803_181001_000000432091_00413_44054_0295.N1	03-AUG-2010 18:10:01	Dark	43.000	30	46Eps Ori	1.6940	30000.	86	44054	No
177	GOM_NL__2PRFIN20100803_181233_000000522091_00413_44054_0296.N1	03-AUG-2010 18:12:33	Dark	51.500	7	19Bet Ori	0.10000	14000.	103	44054	No
178	GOM_NL__2PRFIN20100803_182651_000000492091_00414_44055_0304.N1	03-AUG-2010 18:26:51	Dark	49.000	157	The1Eri	2.9060	9300.0	98	44055	No
179	GOM_NL__2PRFIN20100803_183212_000000472091_00414_44055_0305.N1	03-AUG-2010 18:32:12	Dark	47.000	9	Alp Eri	0.45300	24000.	94	44055	No
180	GOM_NL__2PRFIN20100803_183711_000000562091_00414_44055_0306.N1	03-AUG-2010 18:37:11	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	44055	No
181	GOM_NL__2PRFIN20100803_184217_000000492091_00414_44055_0307.N1	03-AUG-2010 18:42:17	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	44055	No
182	GOM_NL__2PRFIN20100803_184524_000000472091_00414_44055_0308.N1	03-AUG-2010 18:45:24	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	44055	No
183	GOM_NL__2PRFIN20100803_190057_000000382091_00414_44055_0309.N1	03-AUG-2010 19:00:57	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	44055	No
184	GOM_NL__2PRFIN20100803_190922_000000442091_00414_44055_0310.N1	03-AUG-2010 19:09:22	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	44055	No
185	GOM_NL__2PRFIN20100803_191128_000000382091_00414_44055_0311.N1	03-AUG-2010 19:11:28	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44055	No
186	GOM_NL__2PRFIN20100803_191756_000000422091_00414_44055_0312.N1	03-AUG-2010 19:17:56	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	44055	No
187	GOM_NL__2PRFIN20100803_193246_000000292091_00414_44055_0313.N1	03-AUG-2010 19:32:46	Tw_i_and_stray	29.000	160	23Gam Per	2.9300	4700.0	58	44055	No
188	GOM_NL__2PRFIN20100803_193428_000000362091_00414_44055_0314.N1	03-AUG-2010 19:34:28	Bright	36.000	35	33Alp Per	1.7950	6250.0	72	44055	No
189	GOM_NL__2PRFIN20100803_193641_000000562091_00414_44055_0315.N1	03-AUG-2010 19:36:41	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44055	No
190	GOM_NL__2PRFIN20100803_193834_000000482091_00414_44055_0316.N1	03-AUG-2010 19:38:34	Bright	47.500	149	45Eps Per	2.8880	30000.	95	44055	No
191	GOM_NL__2PRFIN20100803_194201_000000432091_00414_44055_0317.N1	03-AUG-2010 19:42:01	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	44055	No
192	GOM_NL__2PRFIN20100803_194407_000000422091_00414_44055_0318.N1	03-AUG-2010 19:44:07	Tw_i_and_stray	42.000	176	23Zet Tau	3.0200	22000.	84	44055	No
193	GOM_NL__2PRFIN20100803_194644_000000612091_00414_44055_0319.N1	03-AUG-2010 19:46:44	Dark	60.500	13	87Alp Tau	0.86700	3800.0	121	44055	No
194	GOM_NL__2PRFIN20100803_194843_000000462091_00414_44055_0320.N1	03-AUG-2010 19:48:43	Dark	45.500	27	24Gam Ori	1.6360	26000.	91	44055	No
195	GOM_NL__2PRFIN20100803_195037_000000432091_00414_44055_0321.N1	03-AUG-2010 19:50:37	Dark	43.000	30	46Eps Ori	1.6940	30000.	86	44055	No
196	GOM_NL__2PRFIN20100803_195310_000000492091_00414_44055_0322.N1	03-AUG-2010 19:53:10	Dark	48.500	7	19Bet Ori	0.10000	14000.	97	44055	No
197	GOM_NL__2PRFIN20100803_200728_000000472091_00415_44056_0331.N1	03-AUG-2010 20:07:28	Dark	46.500	157	The1Eri	2.9060	9300.0	93	44056	No
198	GOM_NL__2PRFIN20100803_201248_000000442091_00415_44056_0332.N1	03-AUG-2010 20:12:48	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44056	No
199	GOM_NL__2PRFIN20100803_201747_000000542091_00415_44056_0333.N1	03-AUG-2010 20:17:47	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	44056	No
200	GOM_NL__2PRFIN20100803_202254_000000512091_00415_44056_0334.N1	03-AUG-2010 20:22:54	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	44056	No
201	GOM_NL__2PRFIN20100803_202601_000000452091_00415_44056_0335.N1	03-AUG-2010 20:26:01	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	44056	No
202	GOM_NL__2PRFIN20100803_203329_000000252091_00415_44056_0336.N1	03-AUG-2010 20:33:29	Tw_i_and_stray	25.000	142	49Del Cap	2.8500	8900.0	50	44056	No
203	GOM_NL__2PRFIN20100803_204133_000000382091_00415_44056_0337.N1	03-AUG-2010 20:41:33	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	44056	No
204	GOM_NL__2PRFIN20100803_204957_000000412091_00415_44056_0338.N1	03-AUG-2010 20:49:57	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	44056	No
205	GOM_NL__2PRFIN20100803_205204_000000382091_00415_44056_0339.N1	03-AUG-2010 20:52:04	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44056	No
206	GOM_NL__2PRFIN20100803_205832_000000422091_00415_44056_0340.N1	03-AUG-2010 20:58:32	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	44056	No
207	GOM_NL__2PRFIN20100803_211321_000000252091_00415_44056_0341.N1	03-AUG-2010 21:13:21	Tw_i_and_stray	25.000	160	23Gam Per	2.9300	4700.0	50	44056	No
208	GOM_NL__2PRFIN20100803_211504_000000312091_00415_44056_0342.N1	03-AUG-2010 21:15:04	Tw_i_and_stray	31.000	35	33Alp Per	1.7950	6250.0	62	44056	No
209	GOM_NL__2PRFIN20100803_211717_000000562091_00415_44056_0343.N1	03-AUG-2010 21:17:17	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44056	No
210	GOM_NL__2PRFIN20100803_211910_000000482091_00415_44056_0344.N1	03-AUG-2010 21:19:10	Bright	47.500	149	45Eps Per	2.8880	30000.	95	44056	No
211	GOM_NL__2PRFIN20100803_212237_000000462091_00415_44056_0345.N1	03-AUG-2010 21:22:37	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	44056	No
212	GOM_NL__2PRFIN20100803_212444_000000432091_00415_44056_0346.N1	03-AUG-2010 21:24:44	Tw_i_and_stray	43.000	176	23Zet Tau	3.0200	22000.	86	44056	No
213	GOM_NL__2PRFIN20100803_212721_000000582091_00415_44056_0347.N1	03-AUG-2010 21:27:21	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	44056	No
214	GOM_NL__2PRFIN20100803_212919_000000442091_00415_44056_0348.N1	03-AUG-2010 21:29:19	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	44056	No
215	GOM_NL__2PRFIN20100803_213114_000000432091_00415_44056_0349.N1	03-AUG-2010 21:31:14	Dark	42.500	30	46Eps Ori	1.6940	30000.	85	44056	No
216	GOM_NL__2PRFIN20100803_213346_000000552091_00415_44056_0350.N1	03-AUG-2010 21:33:46	Dark	54.500	7	19Bet Ori	0.10000	14000.	109	44056	No
217	GOM_NL__2PRFIN20100803_213840_000000582091_00415_44056_0351.N1	03-AUG-2010 21:38:40	Dark	57.500	165	34Gam Eri	2.9500	3200.0	115	44056	No
218	GOM_NL__2PRFIN20100803_214805_000000462091_00416_44057_0346.N1	03-AUG-2010 21:48:05	Dark	46.000	157	The1Eri	2.9060	9300.0	92	44057	No
219	GOM_NL__2PRFIN20100803_215325_000000512091_00416_44057_0347.N1	03-AUG-2010 21:53:25	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44057	No

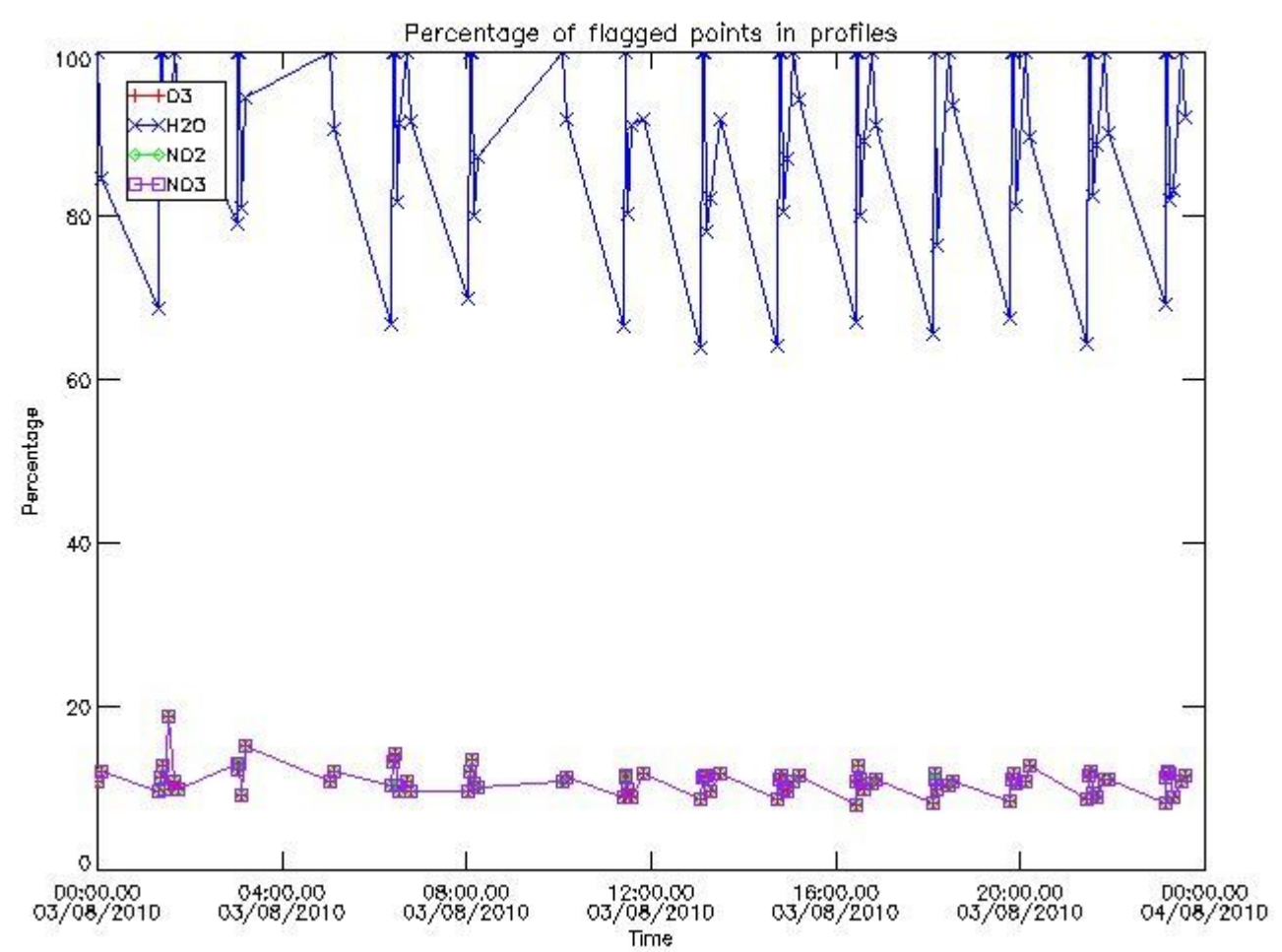


220	GOM_NL__2PRFIN20100803_215825_000000552091_00416_44057_0348.N1	03-AUG-2010 21:58:25	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	44057	No
221	GOM_NL__2PRFIN20100803_220330_000000492091_00416_44057_0349.N1	03-AUG-2010 22:03:30	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	44057	No
222	GOM_NL__2PRFIN20100803_220637_000000432091_00416_44057_0350.N1	03-AUG-2010 22:06:37	Straylight	43.000	172	Gam Gru	3.0030	13100.	86	44057	No
223	GOM_NL__2PRFIN20100803_221406_000000252091_00416_44057_0351.N1	03-AUG-2010 22:14:06	Twilight_stray	25.000	142	49Del Cap	2.8500	8900.0	50	44057	No
224	GOM_NL__2PRFIN20100803_222209_000000372091_00416_44057_0352.N1	03-AUG-2010 22:22:09	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	44057	No
225	GOM_NL__2PRFIN20100803_223033_000000422091_00416_44057_0353.N1	03-AUG-2010 22:30:33	Bright	41.500	92	53Eps Cyg	2.5000	4500.0	83	44057	No
226	GOM_NL__2PRFIN20100803_223239_000000382091_00416_44057_0354.N1	03-AUG-2010 22:32:39	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44057	No
227	GOM_NL__2PRFIN20100803_223907_000000422091_00416_44057_0355.N1	03-AUG-2010 22:39:07	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	44057	No
228	GOM_NL__2PRFIN20100803_225357_000000252091_00416_44057_0356.N1	03-AUG-2010 22:53:57	Twilight_stray	25.000	160	23Gam Per	2.9300	4700.0	50	44057	No
229	GOM_NL__2PRFIN20100803_225539_000000312091_00416_44057_0357.N1	03-AUG-2010 22:55:39	Twilight_stray	31.000	35	33Alp Per	1.7950	6250.0	62	44057	No
230	GOM_NL__2PRFIN20100803_225753_000000562091_00416_44057_0358.N1	03-AUG-2010 22:57:53	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	44057	No
231	GOM_NL__2PRFIN20100803_225946_000000472091_00416_44057_0359.N1	03-AUG-2010 22:59:46	Bright	47.000	149	45Eps Per	2.8880	30000.	94	44057	No
232	GOM_NL__2PRFIN20100803_230313_000000462091_00416_44057_0360.N1	03-AUG-2010 23:03:13	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	44057	No
233	GOM_NL__2PRFIN20100803_230520_000000412091_00416_44057_0361.N1	03-AUG-2010 23:05:20	Twilight_stray	41.000	176	23Zet Tau	3.0200	22000.	82	44057	No
234	GOM_NL__2PRFIN20100803_230757_000000622091_00416_44057_0362.N1	03-AUG-2010 23:07:57	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	44057	No
235	GOM_NL__2PRFIN20100803_230955_000000452091_00416_44057_0363.N1	03-AUG-2010 23:09:55	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	44057	No
236	GOM_NL__2PRFIN20100803_231150_000000432091_00416_44057_0364.N1	03-AUG-2010 23:11:50	Dark	42.500	30	46Eps Ori	1.6940	30000.	85	44057	No
237	GOM_NL__2PRFIN20100803_231422_000000472091_00416_44057_0365.N1	03-AUG-2010 23:14:22	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	44057	No
238	GOM_NL__2PRFIN20100803_231917_000000572091_00416_44057_0366.N1	03-AUG-2010 23:19:17	Dark	56.500	165	34Gam Eri	2.9500	3200.0	113	44057	No
239	GOM_NL__2PRFIN20100803_232842_000000472091_00417_44058_0365.N1	03-AUG-2010 23:28:42	Dark	46.500	157	The1Eri	2.9060	9300.0	93	44058	No
240	GOM_NL__2PRFIN20100803_233401_000000452091_00417_44058_0366.N1	03-AUG-2010 23:34:01	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44058	No
241	GOM_NL__2PRFIN20100803_233902_000000632091_00417_44058_0367.N1	03-AUG-2010 23:39:02	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	44058	No
242	GOM_NL__2PRFIN20100803_234407_000000502091_00417_44058_0368.N1	03-AUG-2010 23:44:07	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	44058	No
243	GOM_NL__2PRFIN20100803_234713_000000442091_00417_44058_0369.N1	03-AUG-2010 23:47:13	Straylight	43.500	172	Gam Gru	3.0030	13100.	87	44058	No
244	GOM_NL__2PRFIN20100803_235442_000000312091_00417_44058_0370.N1	03-AUG-2010 23:54:42	Twilight_stray	31.000	142	49Del Cap	2.8500	8900.0	62	44058	No

### 3. Quality information per product

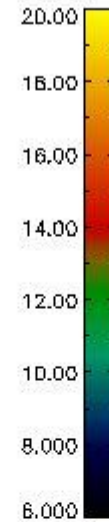
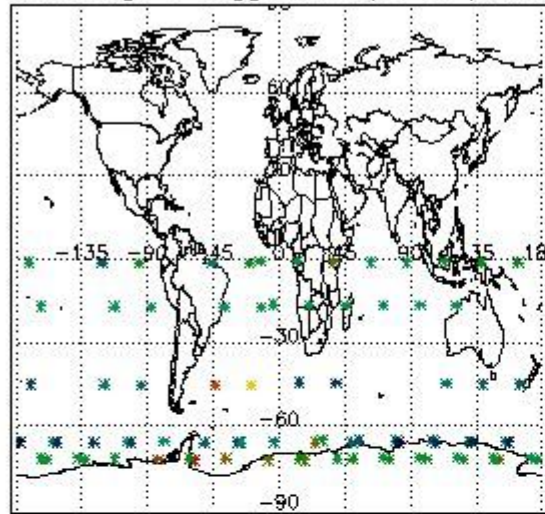
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

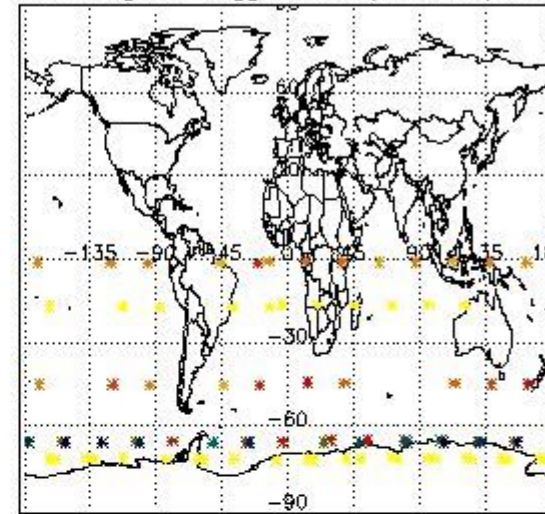


3.2 Plot quality information per product (world map)

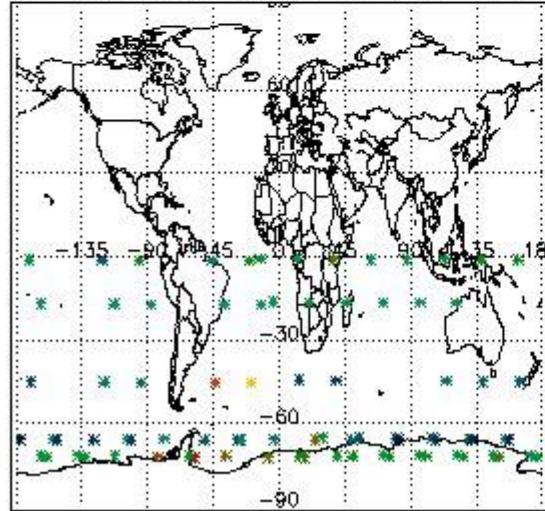
Percentage of flagged data per O3 profile



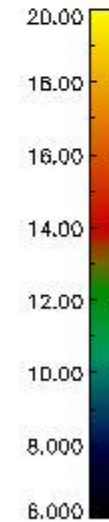
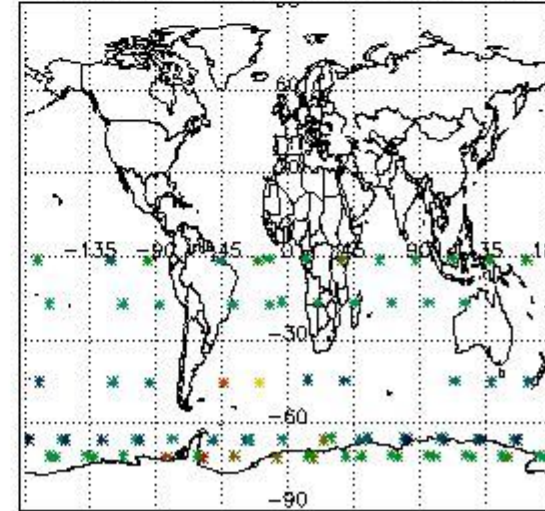
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

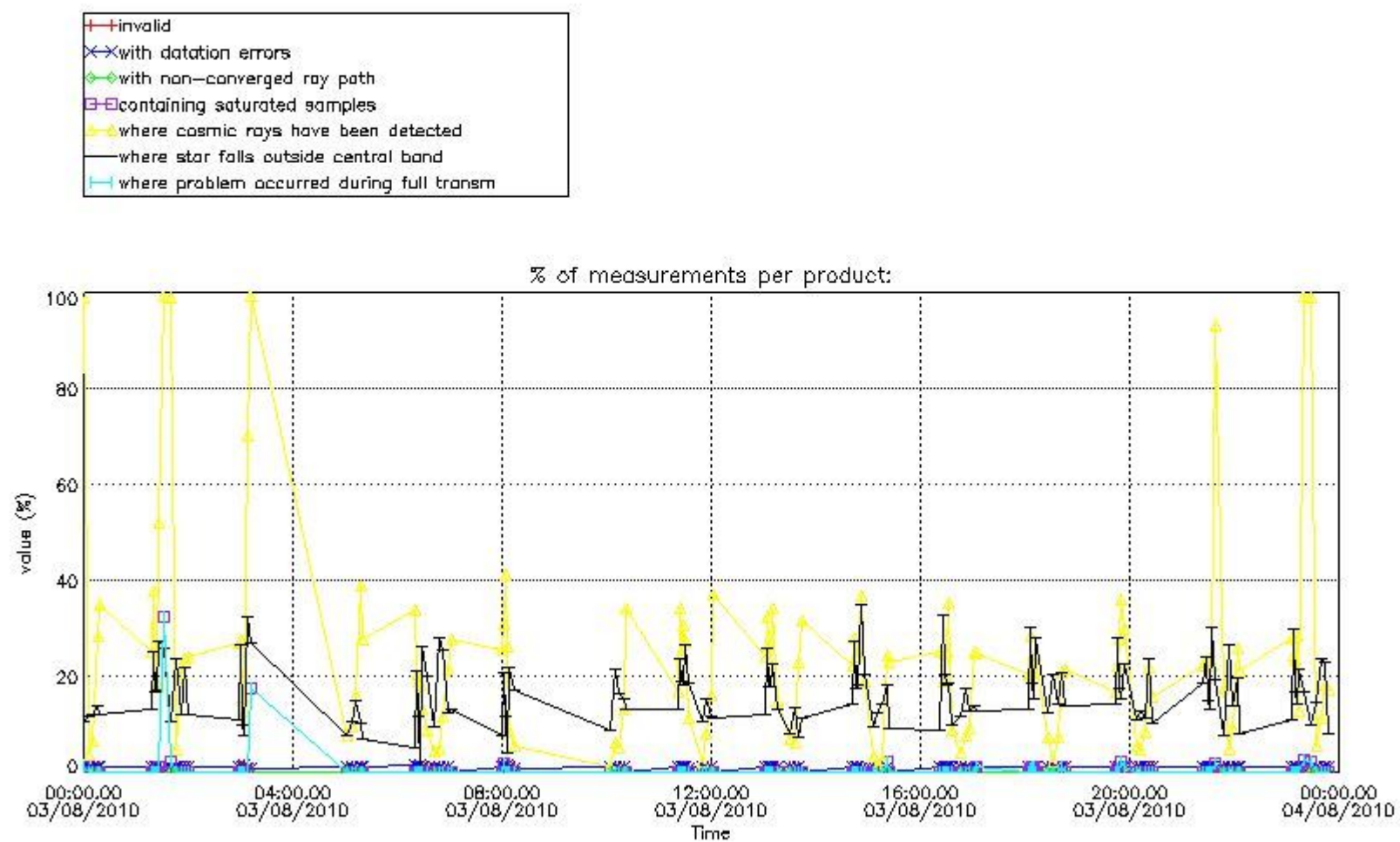


#### 4. Level 1 quality information per product

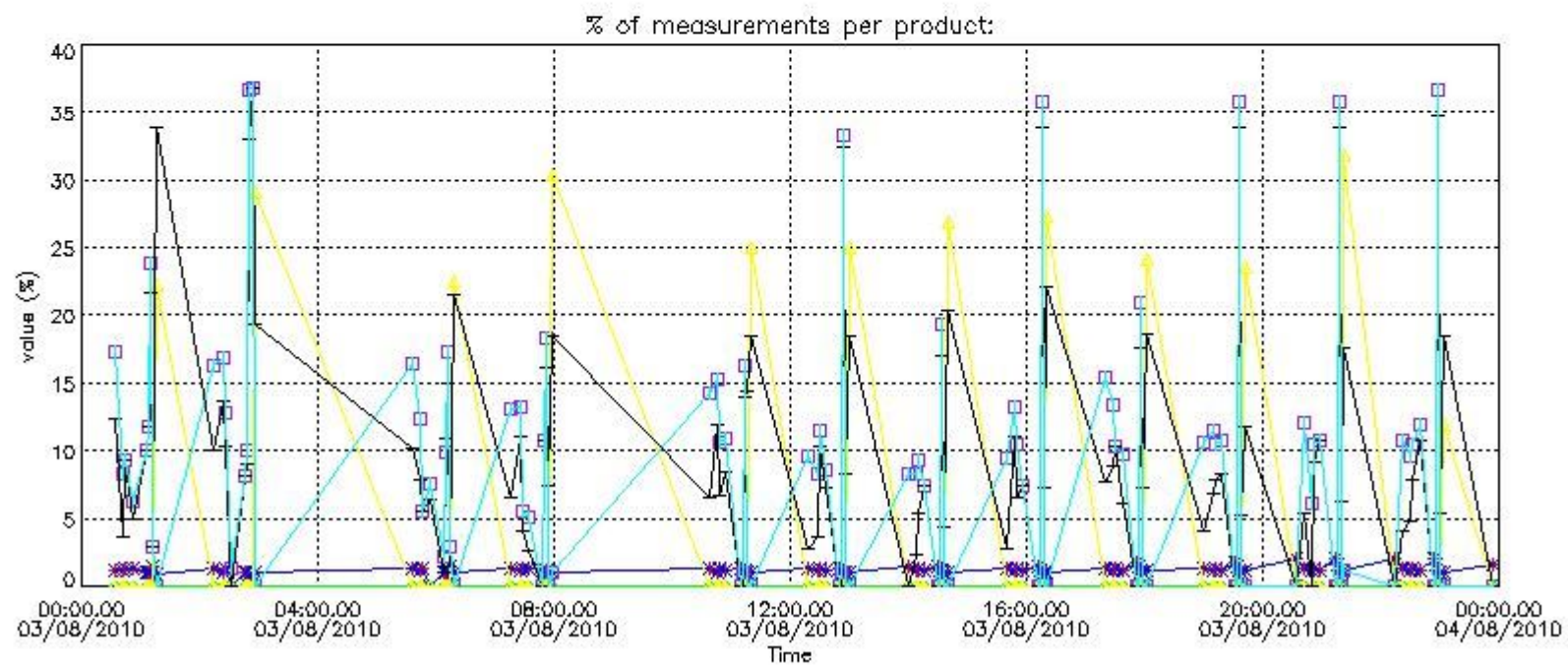
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

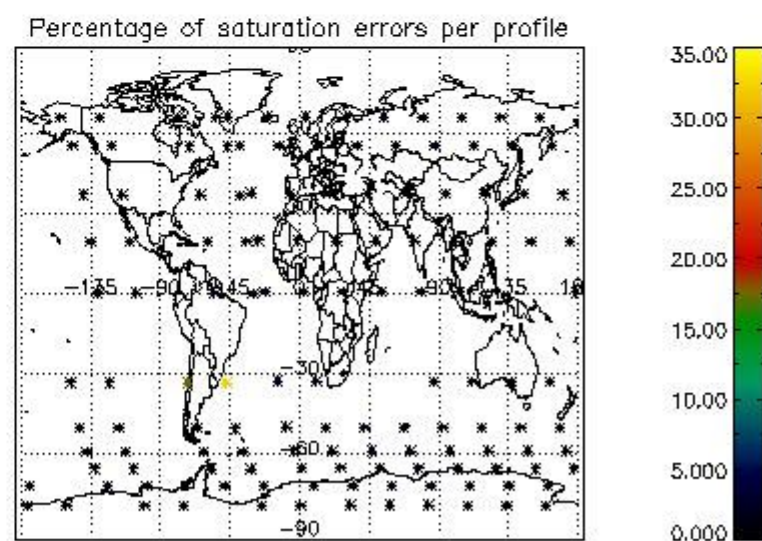
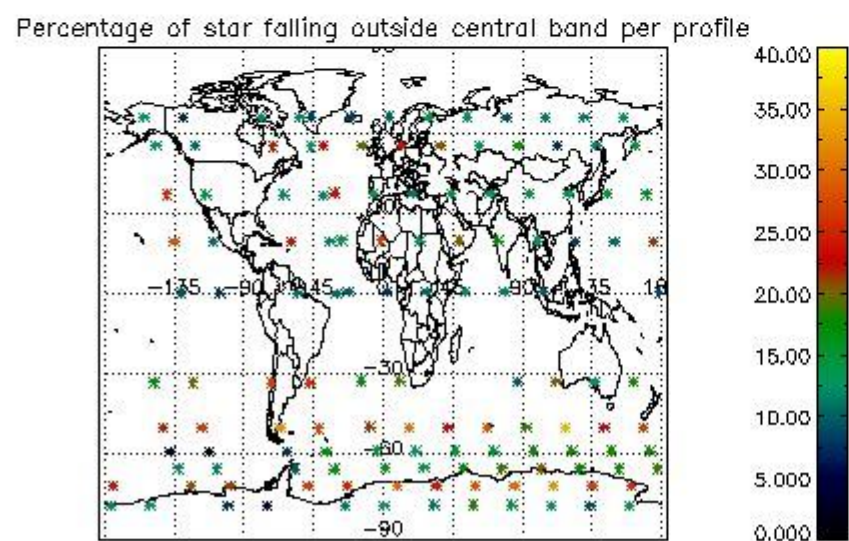
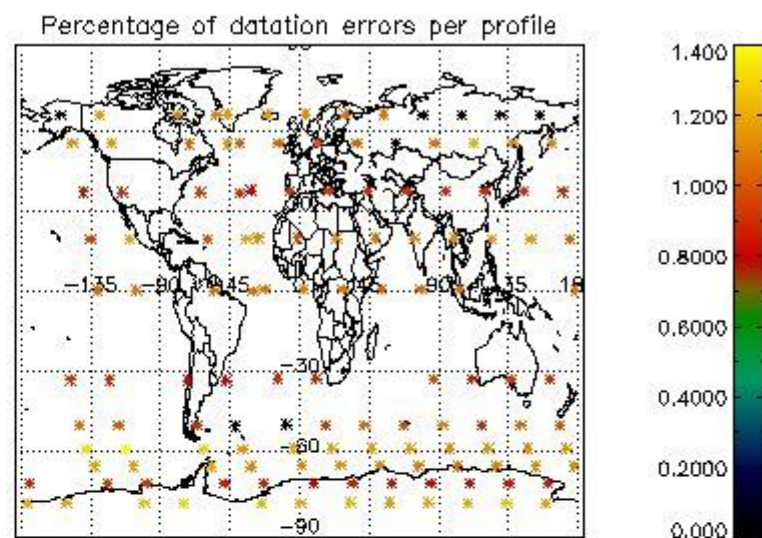
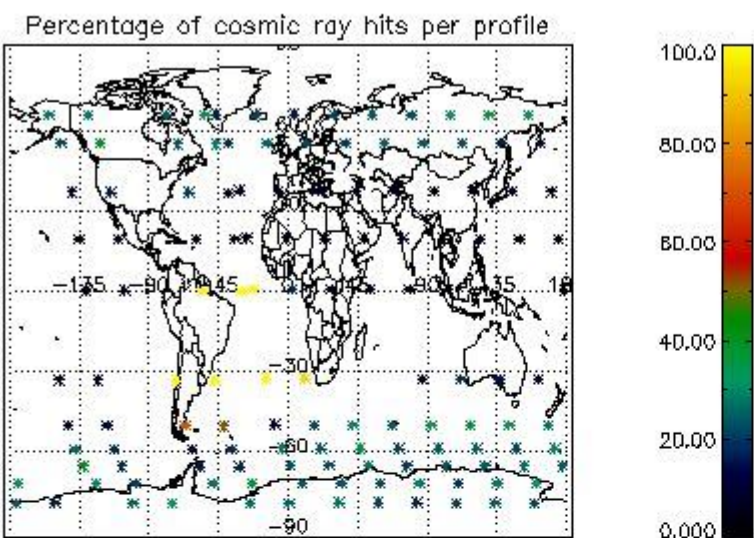


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

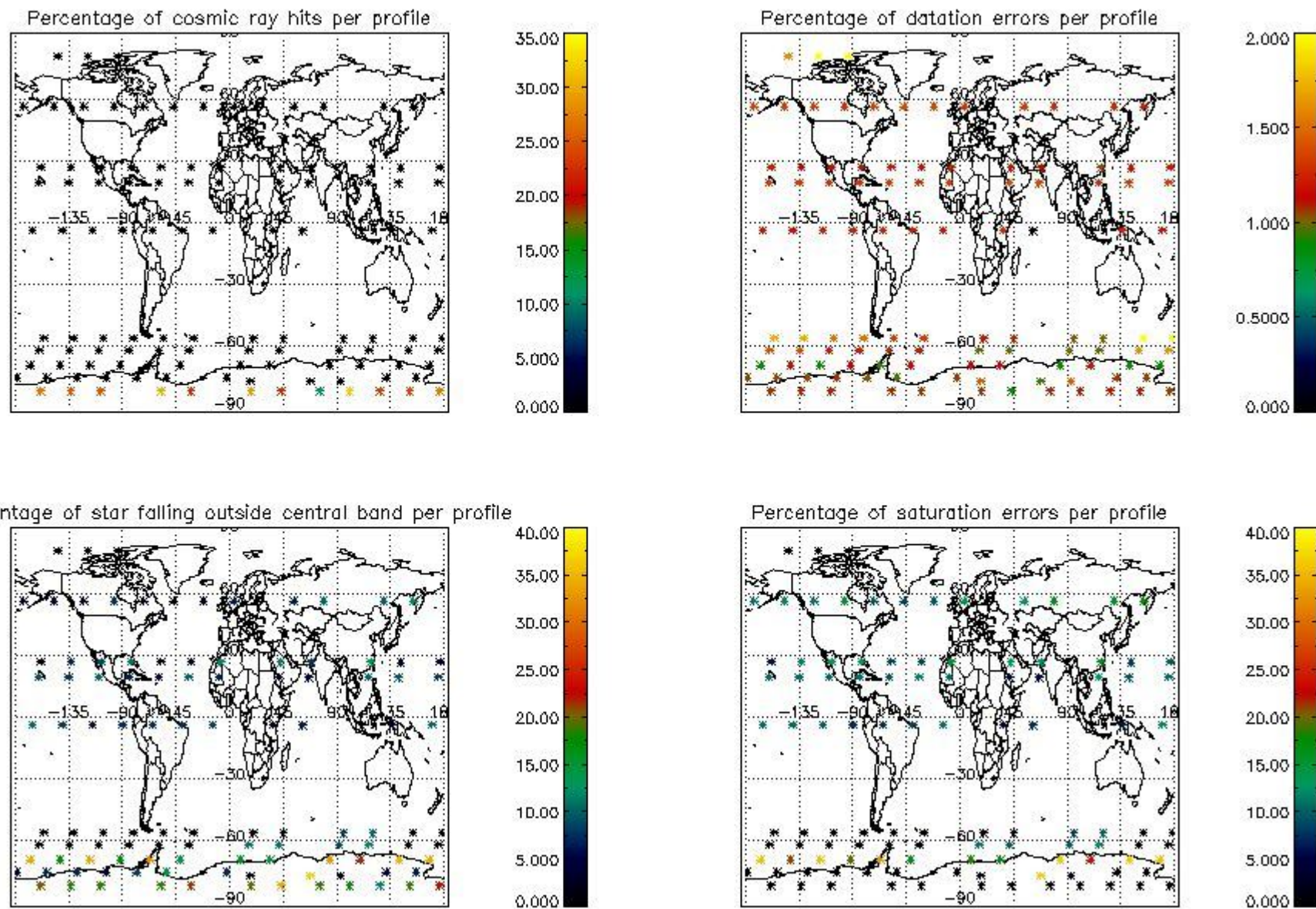


4.2 Plot quality information per product coming from level 1b processing (world map)

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

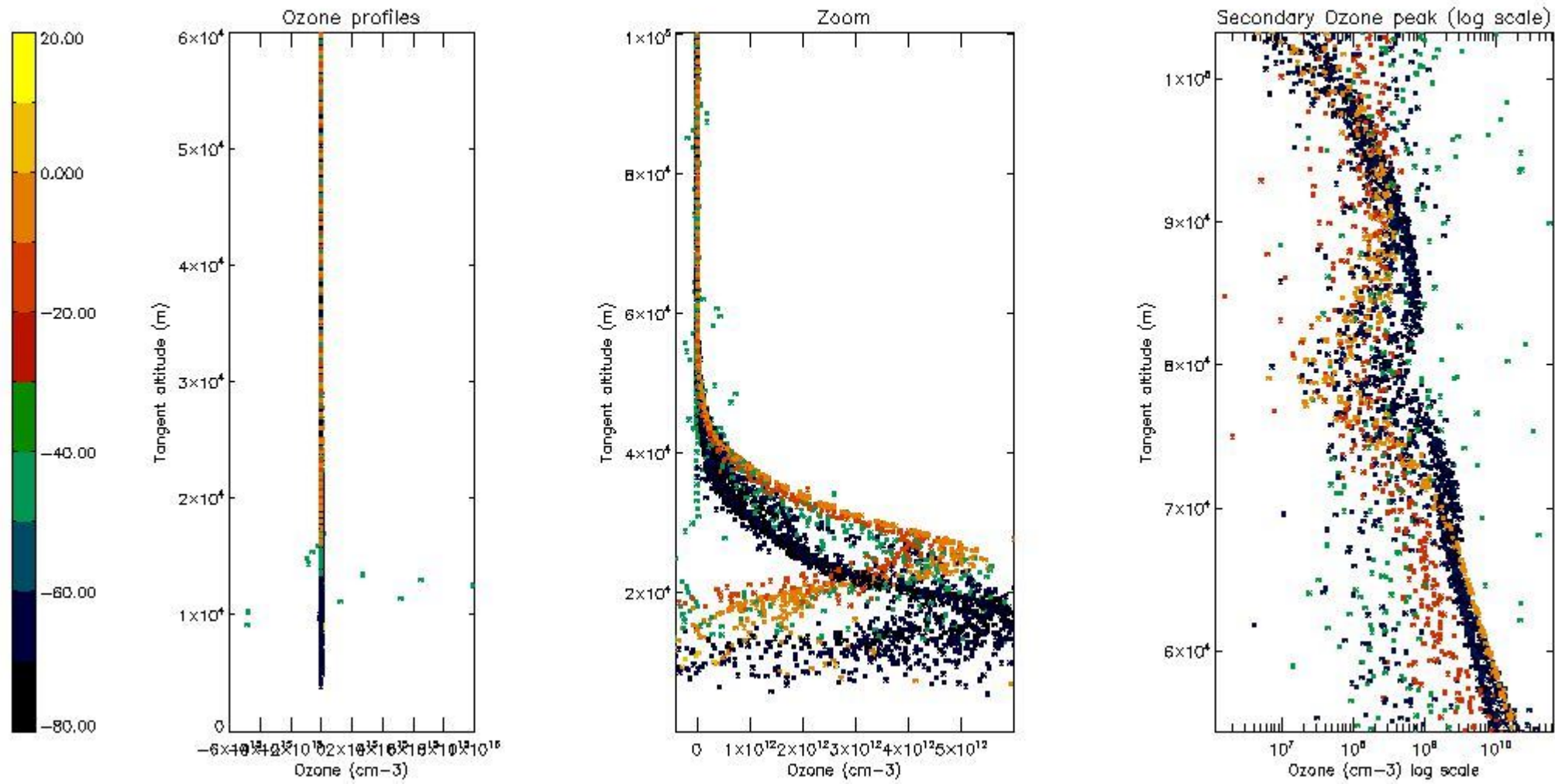
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	16
STD < 5	12

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

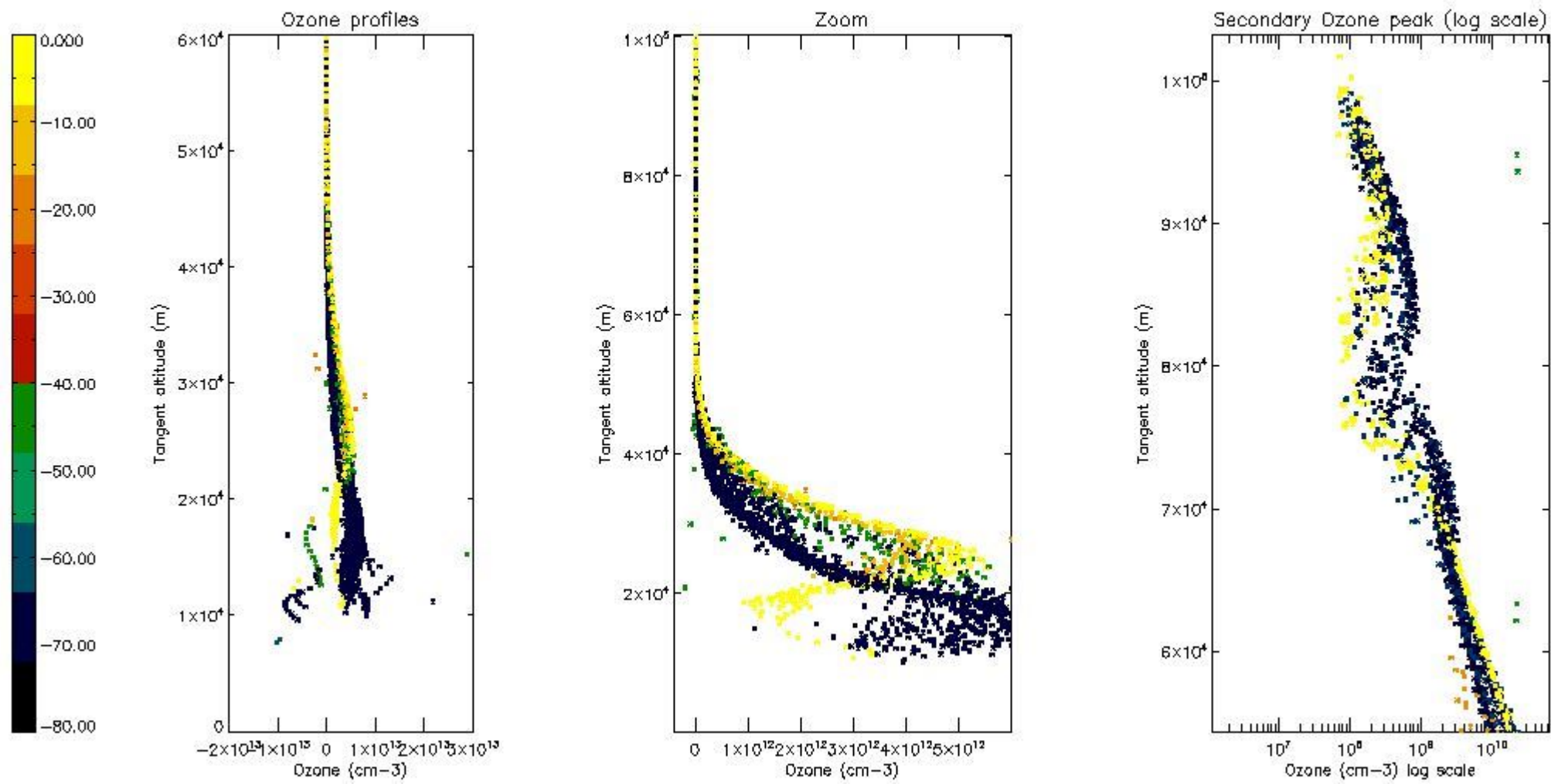
The colorbar represents the latitude.



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

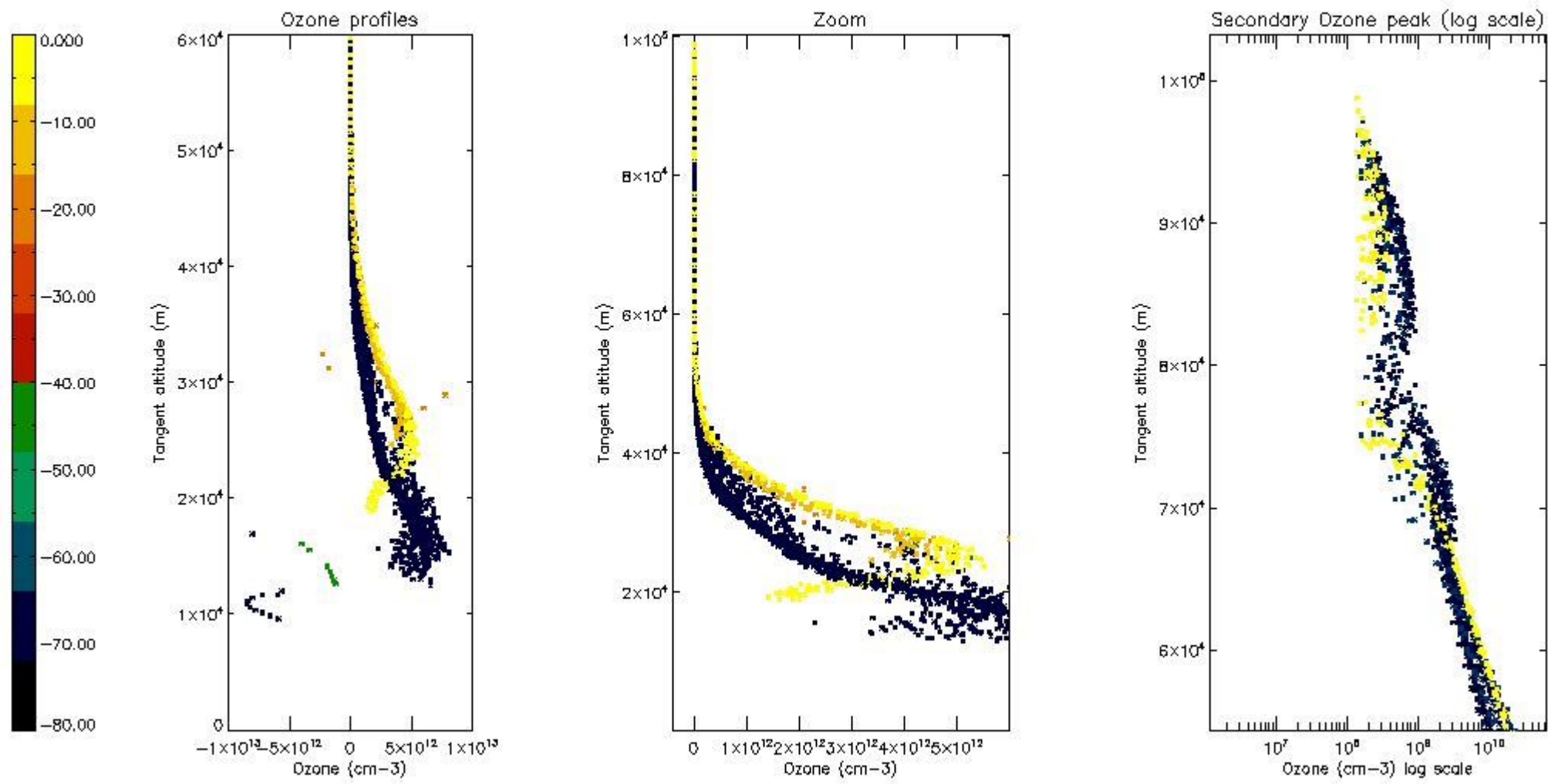
The colorbar represents the latitude.





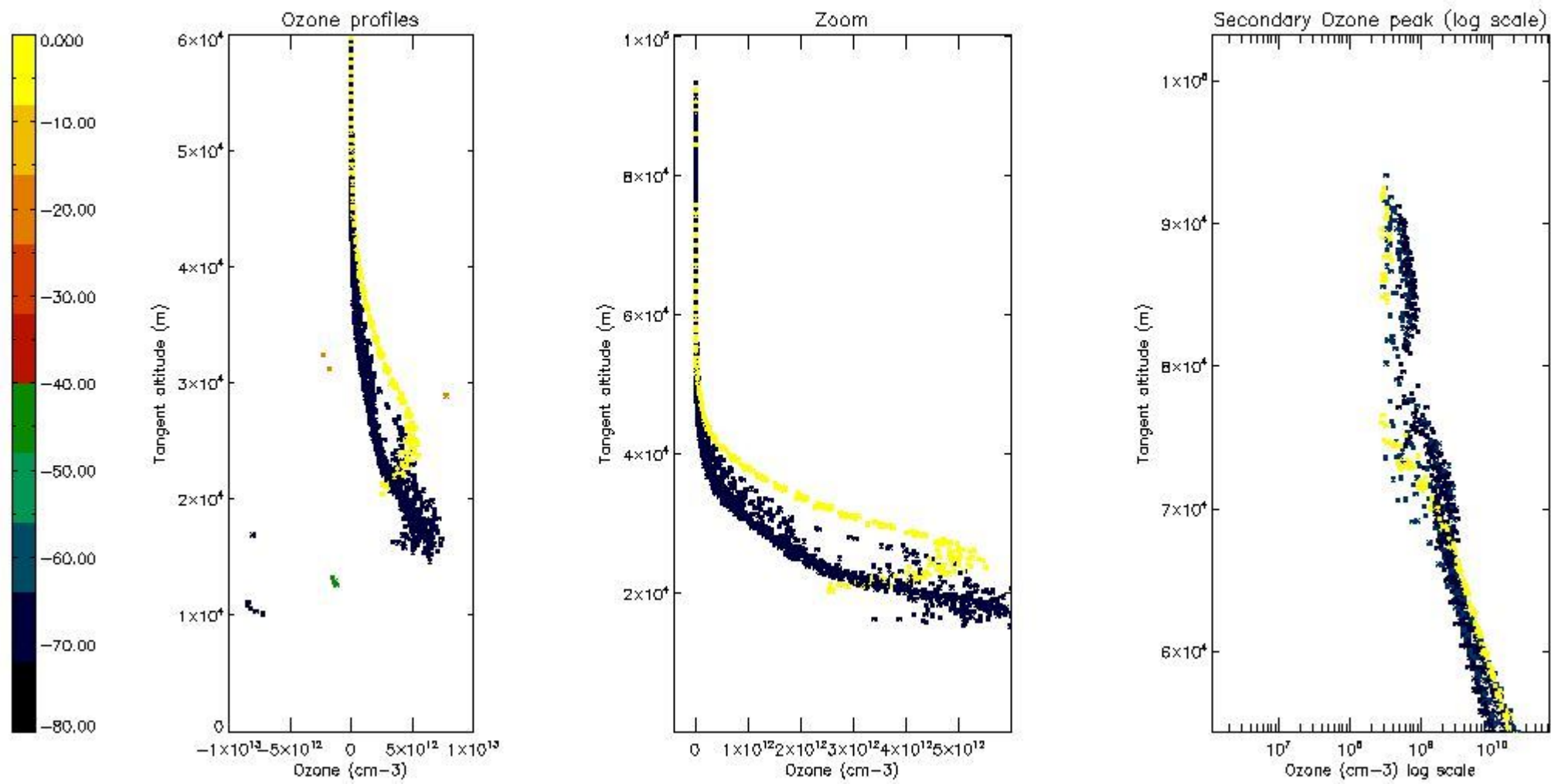
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



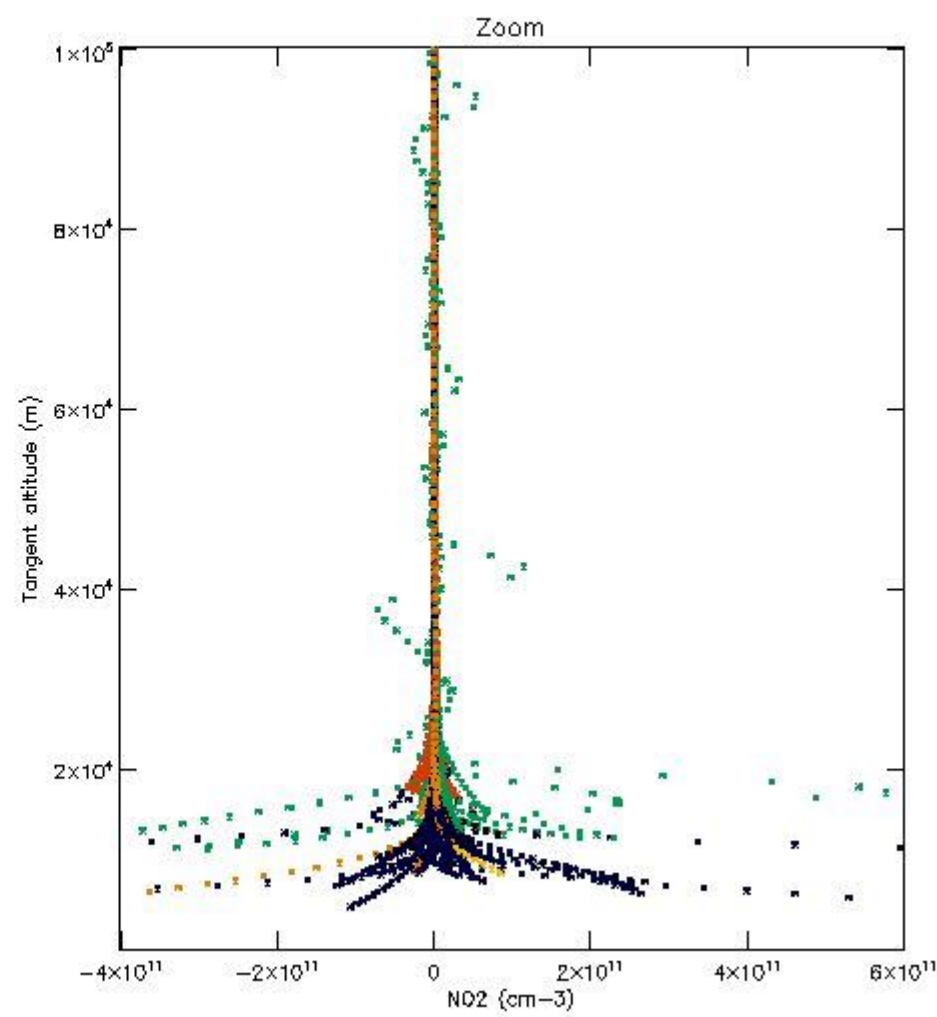
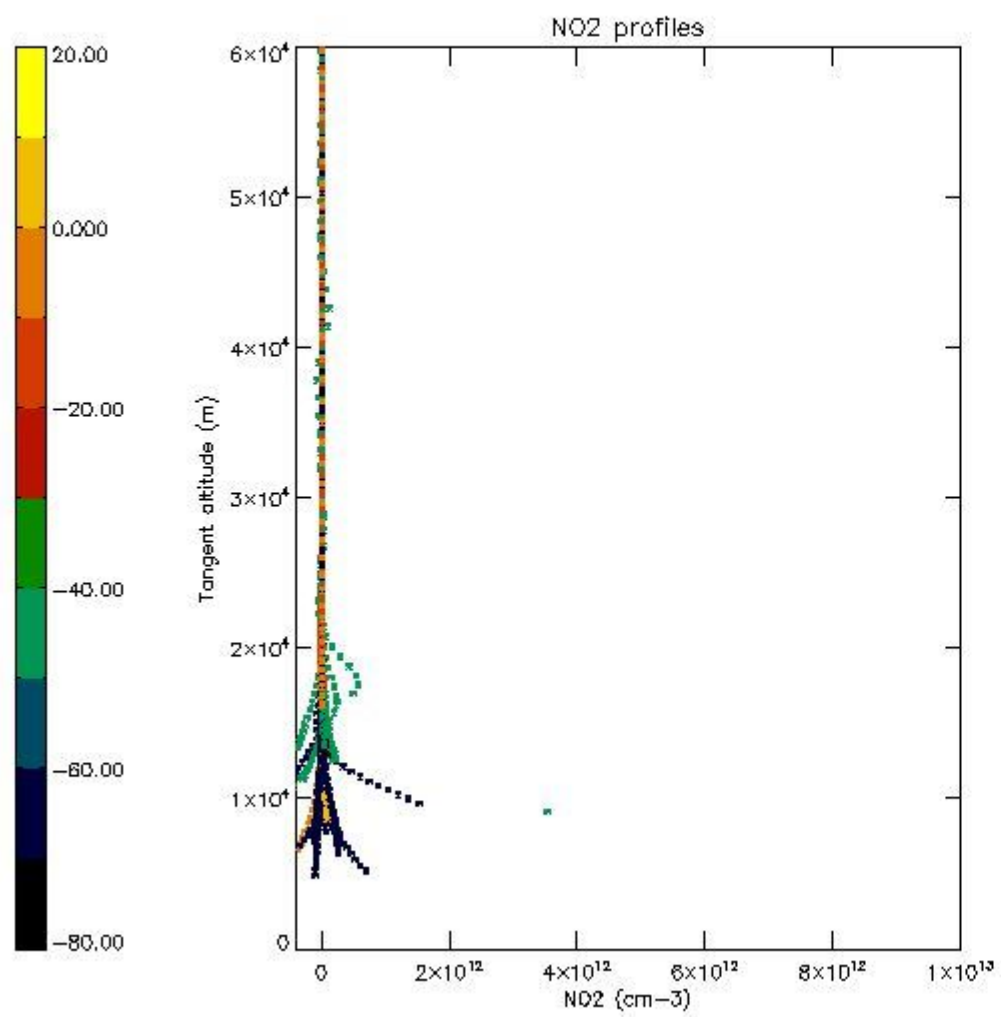
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



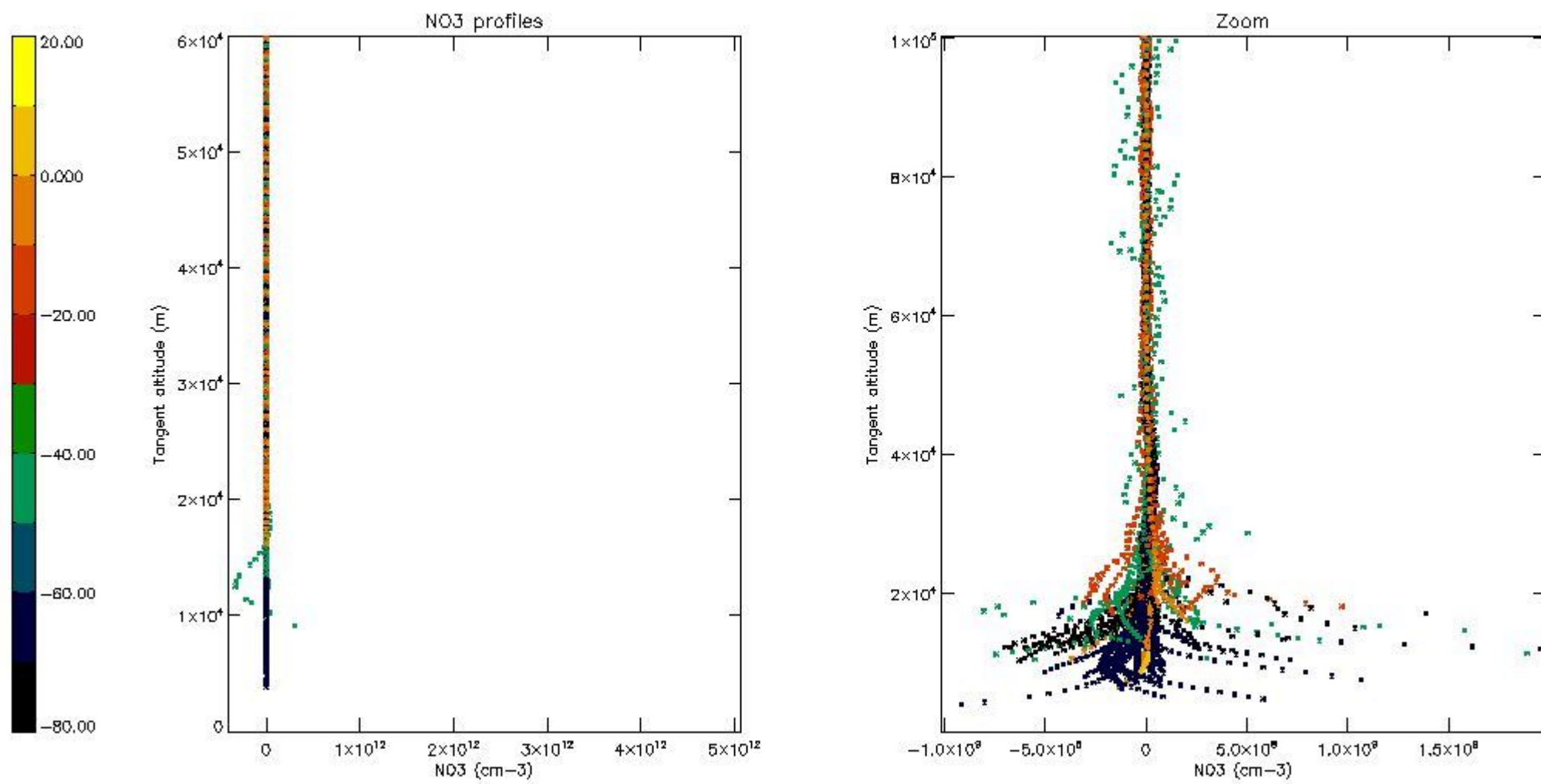
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



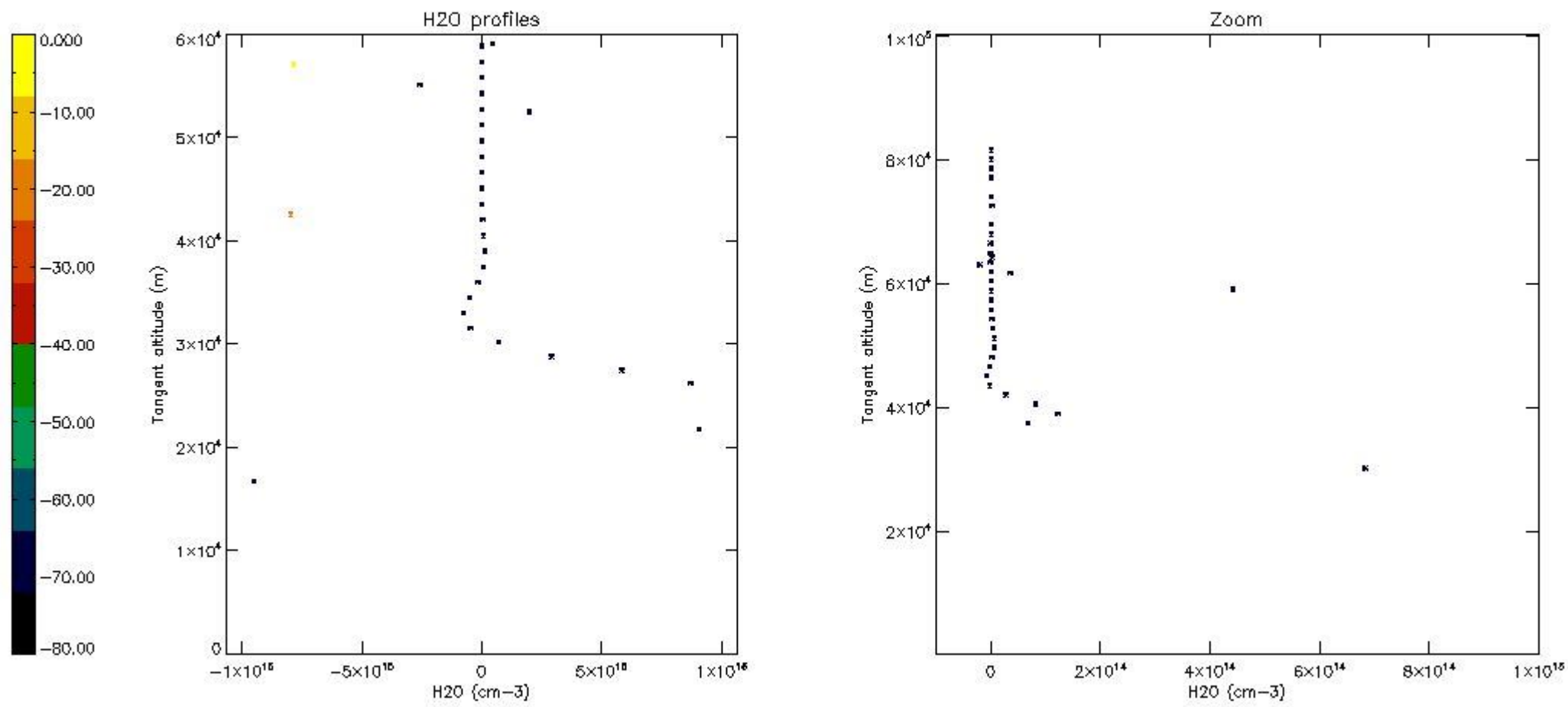
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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)*

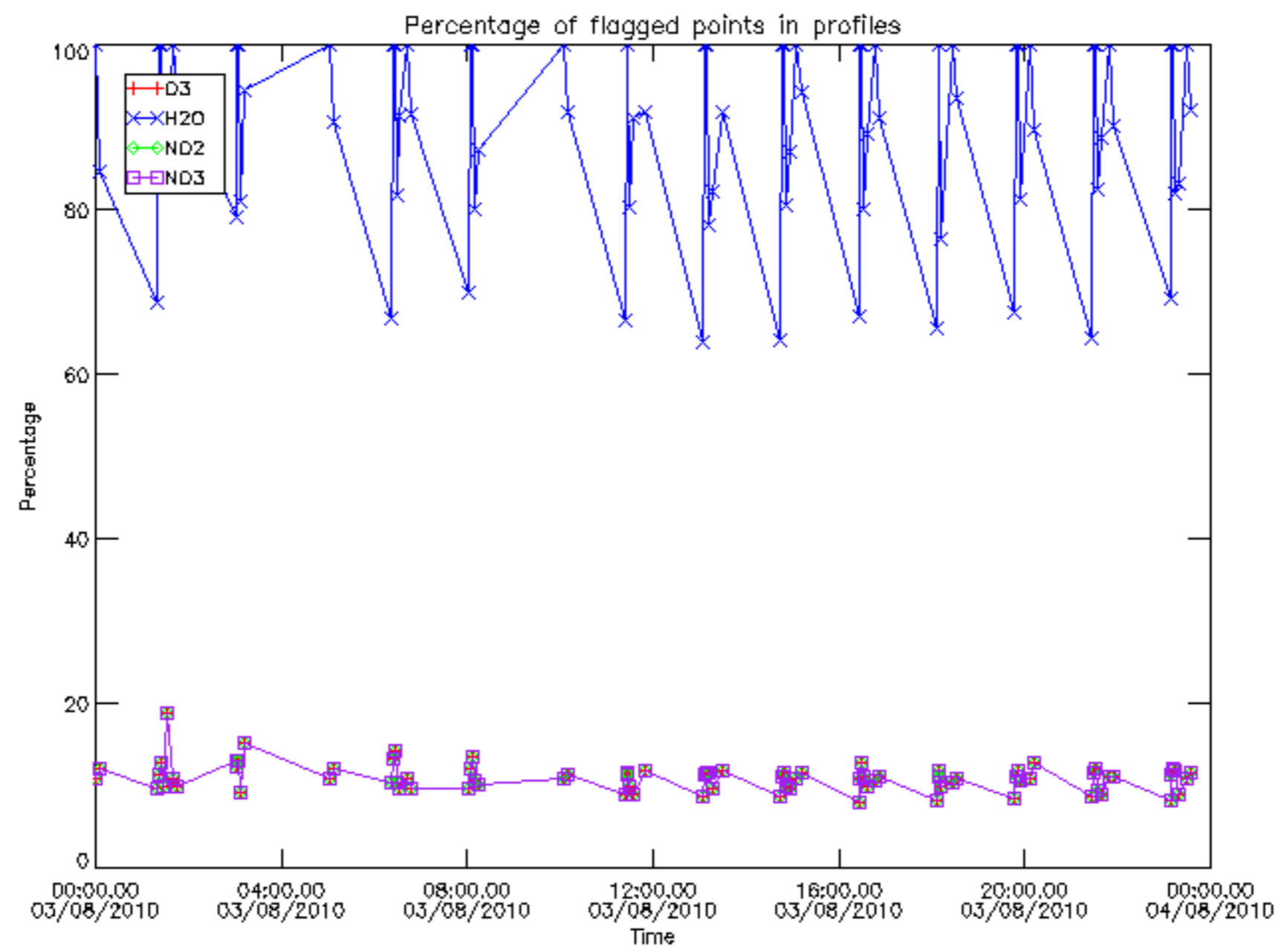
The colorbar represents the latitude.



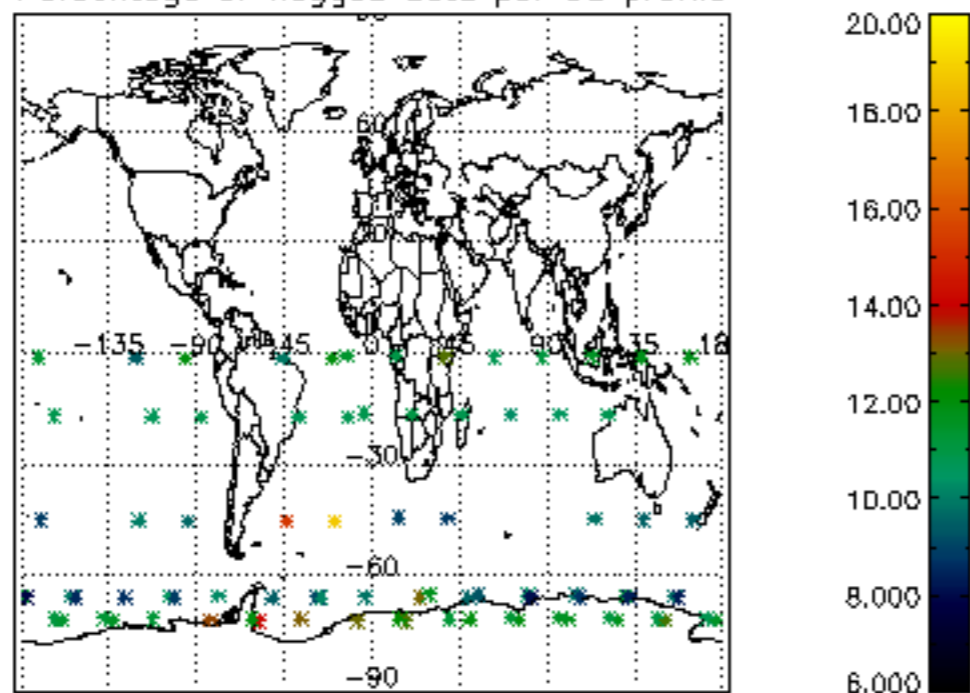
## 6. Auxiliary Data Files used for the production reported in section 2

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.

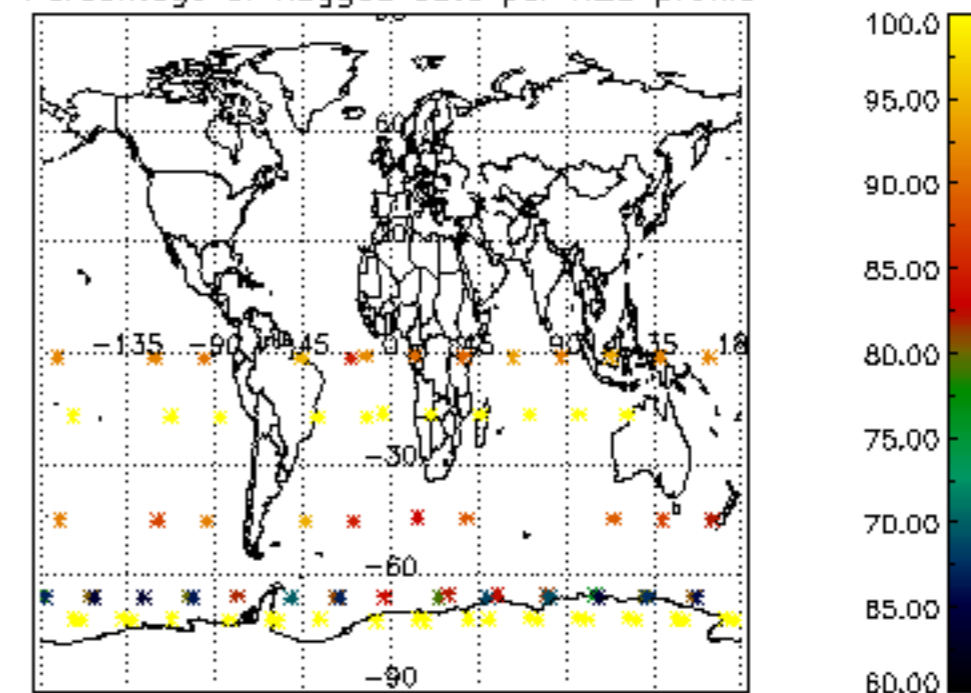
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-AUG-2010 00:00:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-AUG-2010 00:00:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-AUG-2010 00:00:05



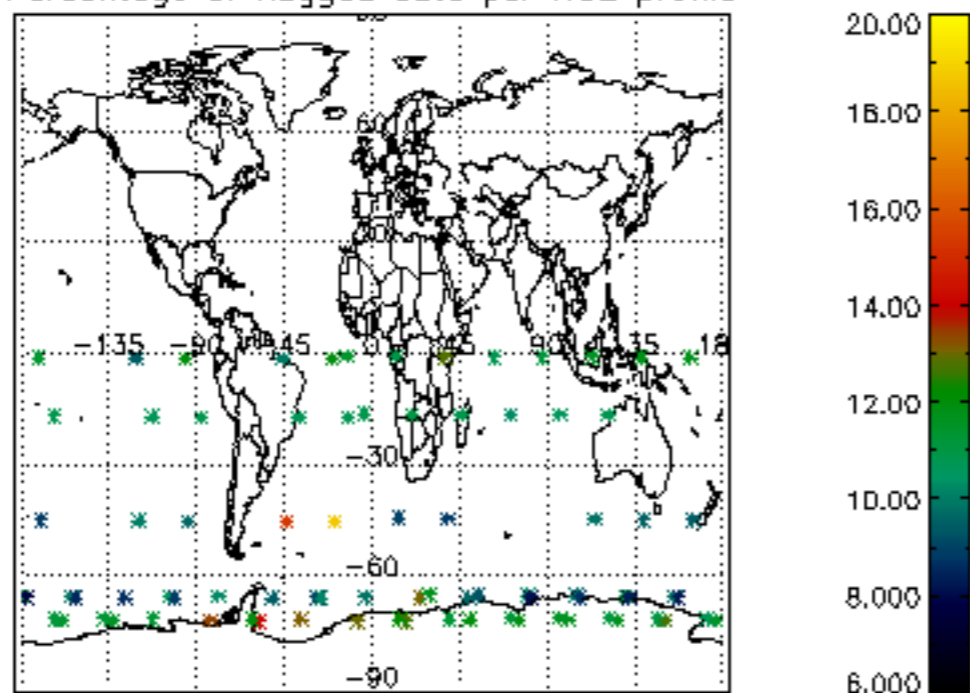
Percentage of flagged data per D3 profile



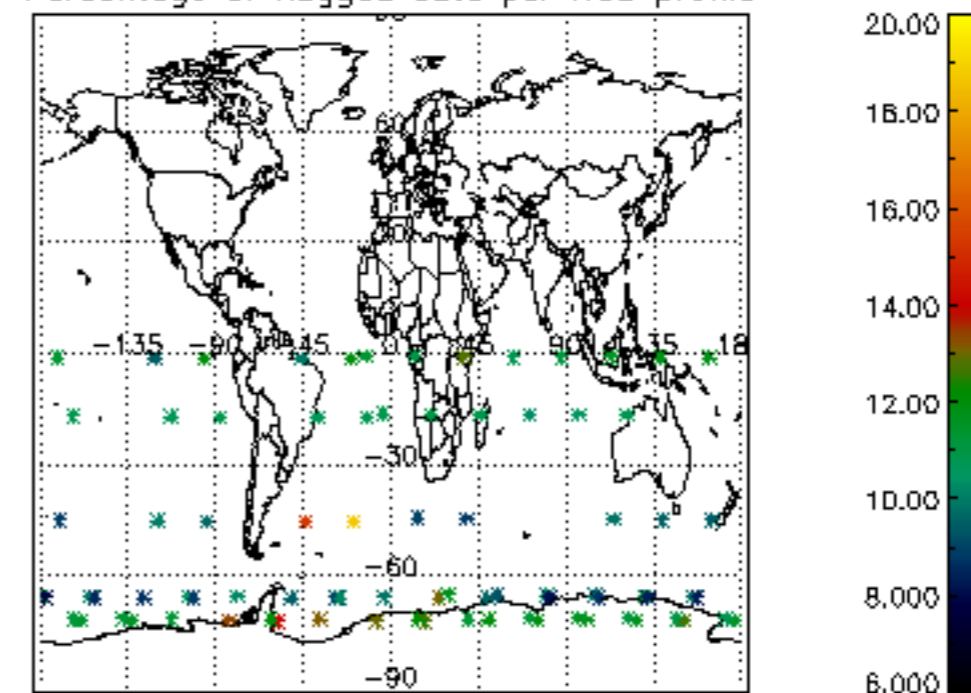
Percentage of flagged data per H2O profile



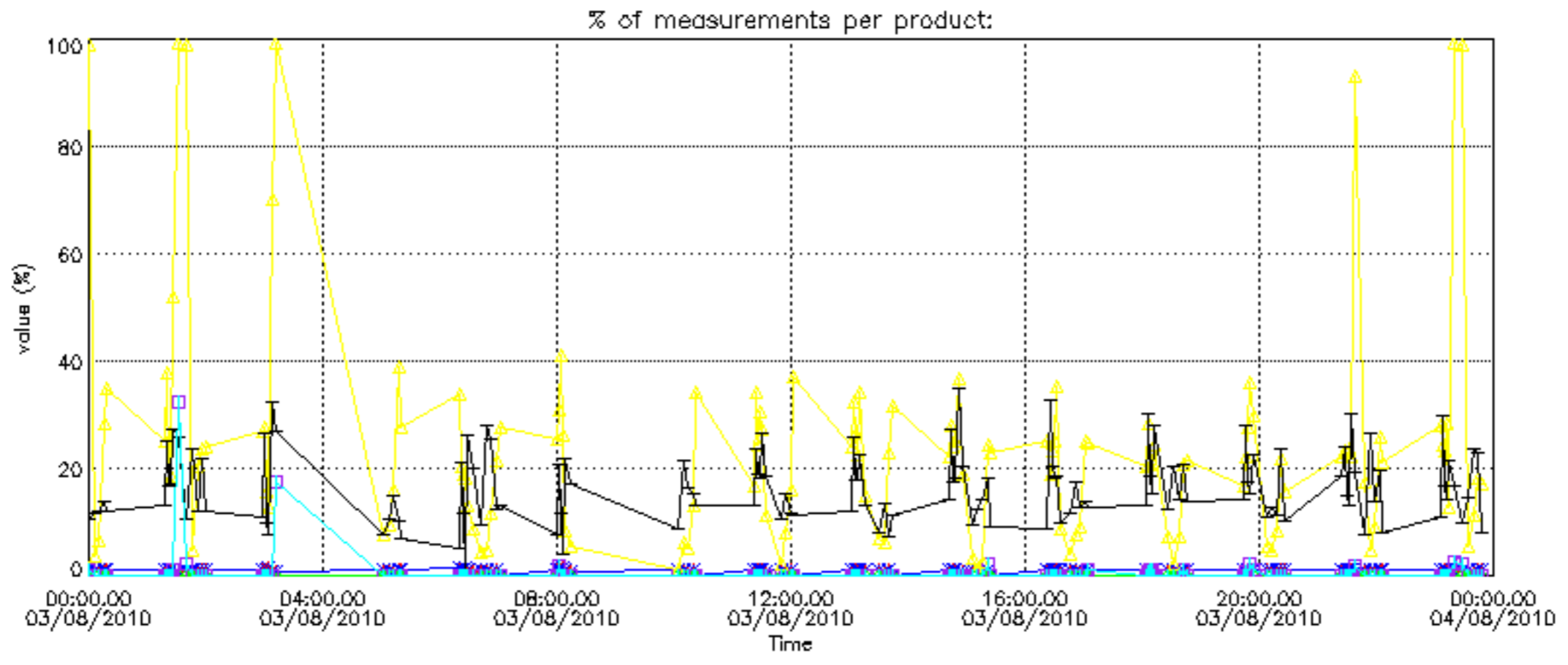
Percentage of flagged data per NO2 profile

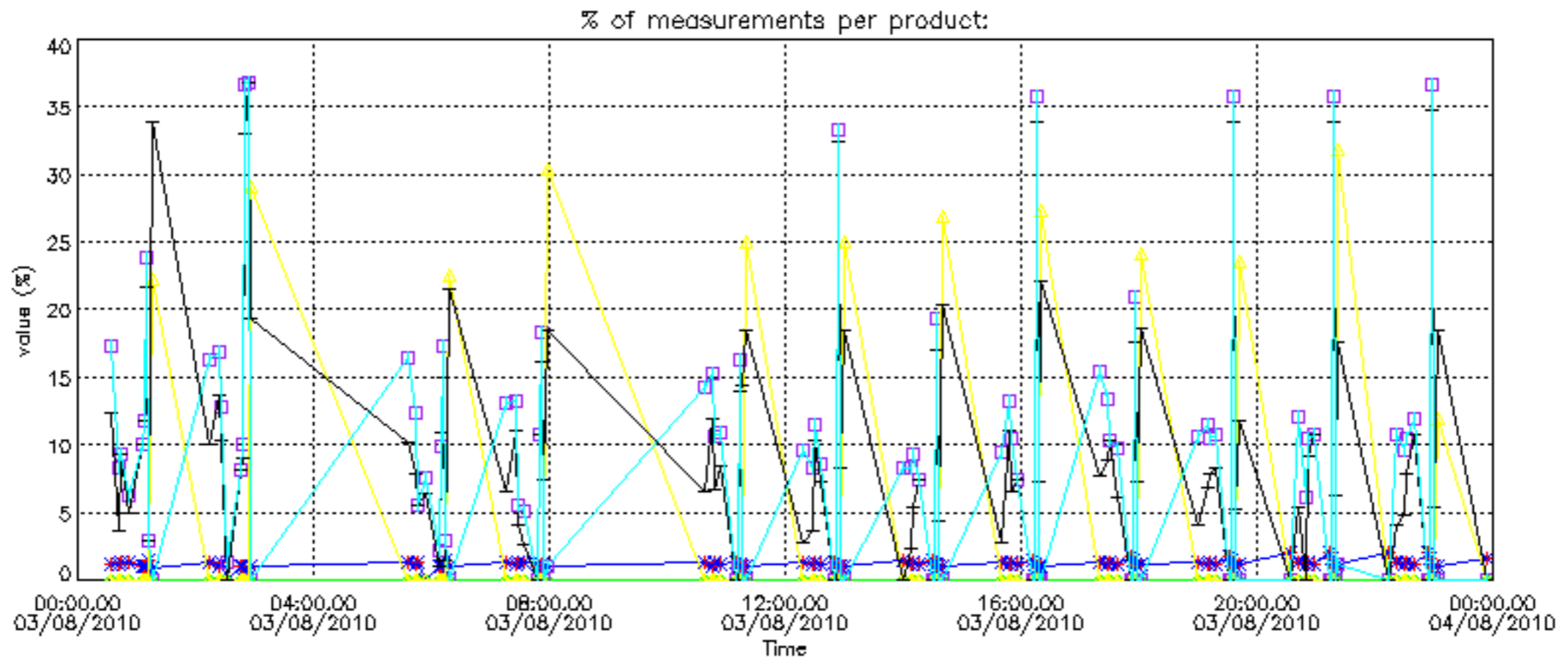


Percentage of flagged data per NO3 profile

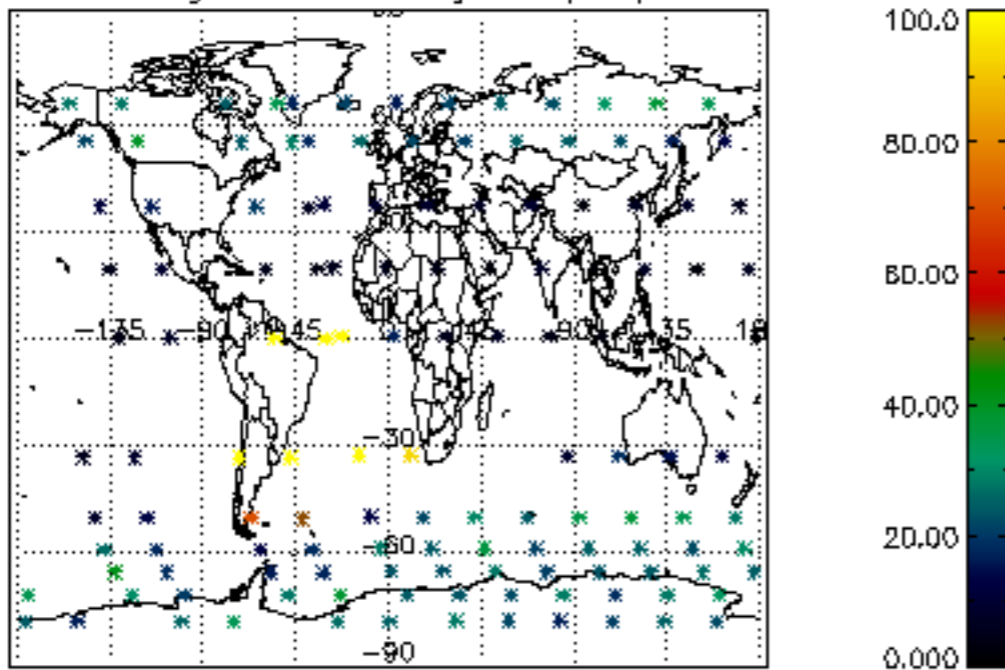




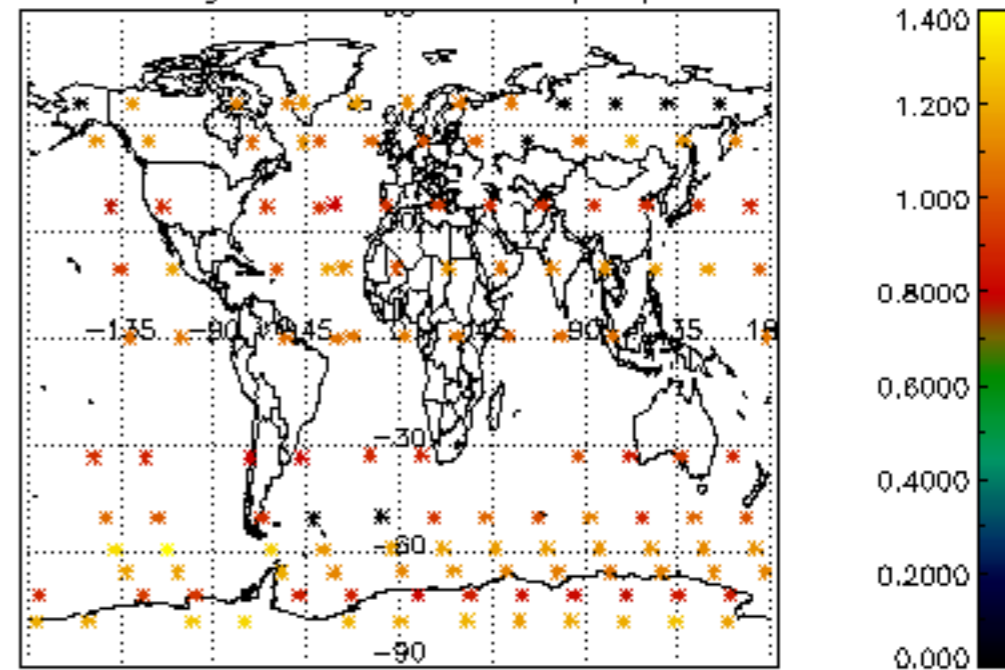




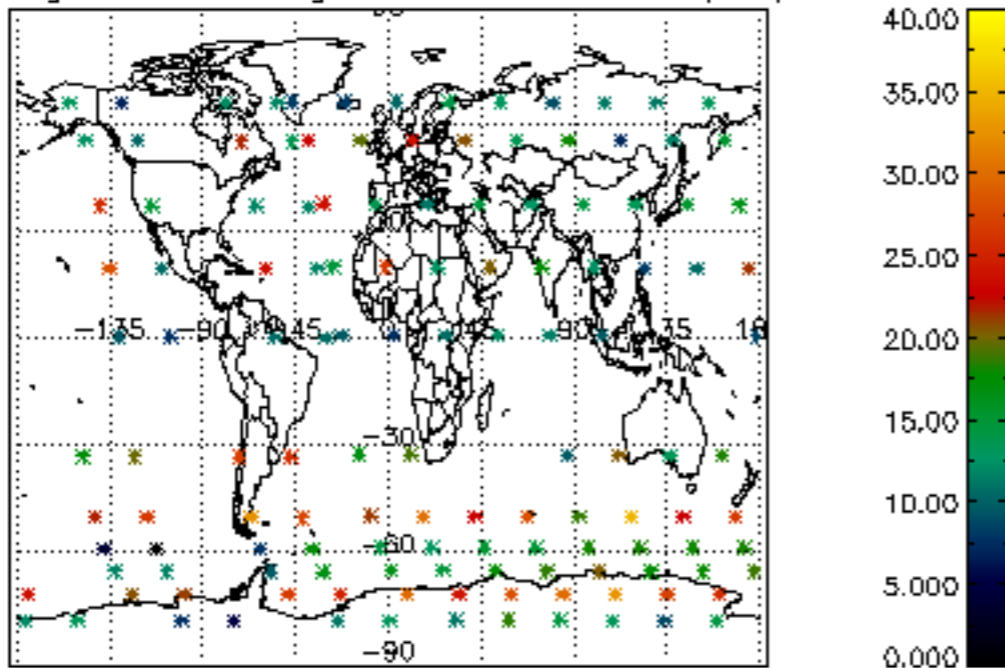
Percentage of cosmic ray hits per profile



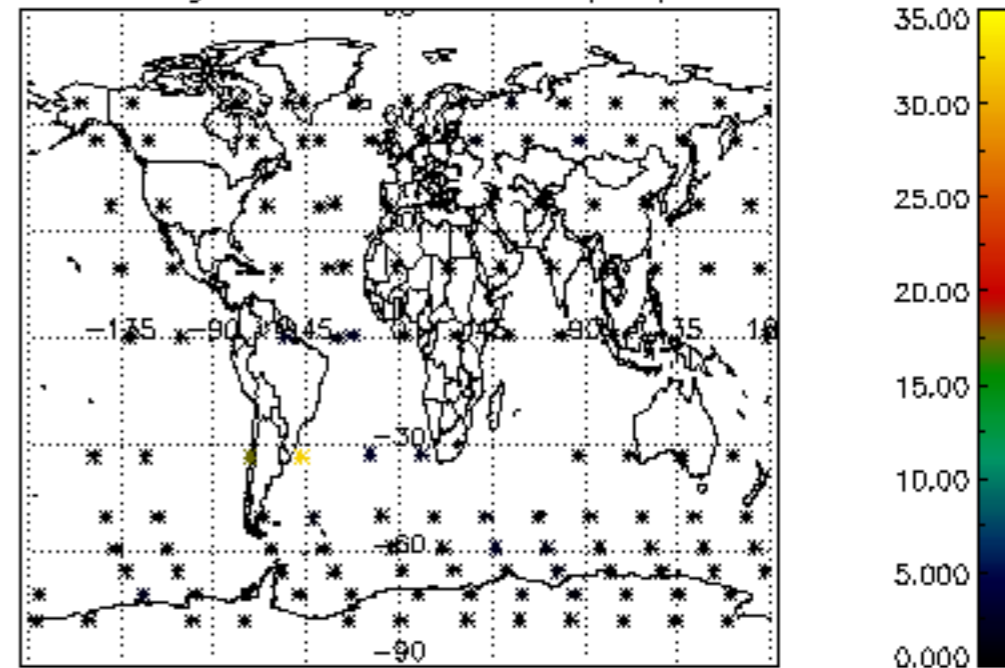
Percentage of datation errors per profile



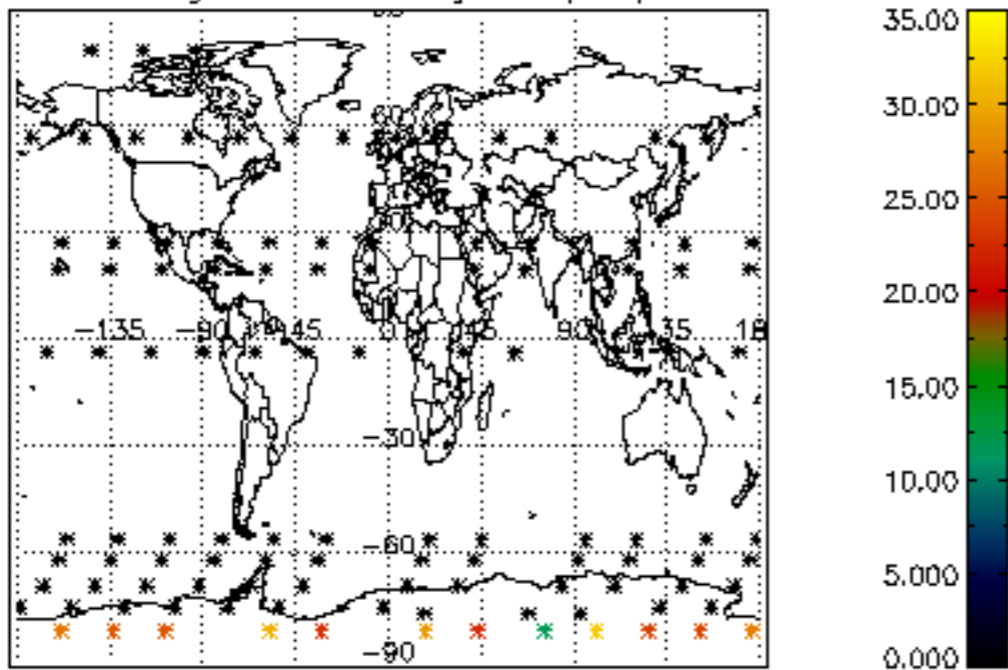
Percentage of star falling outside central band per profile



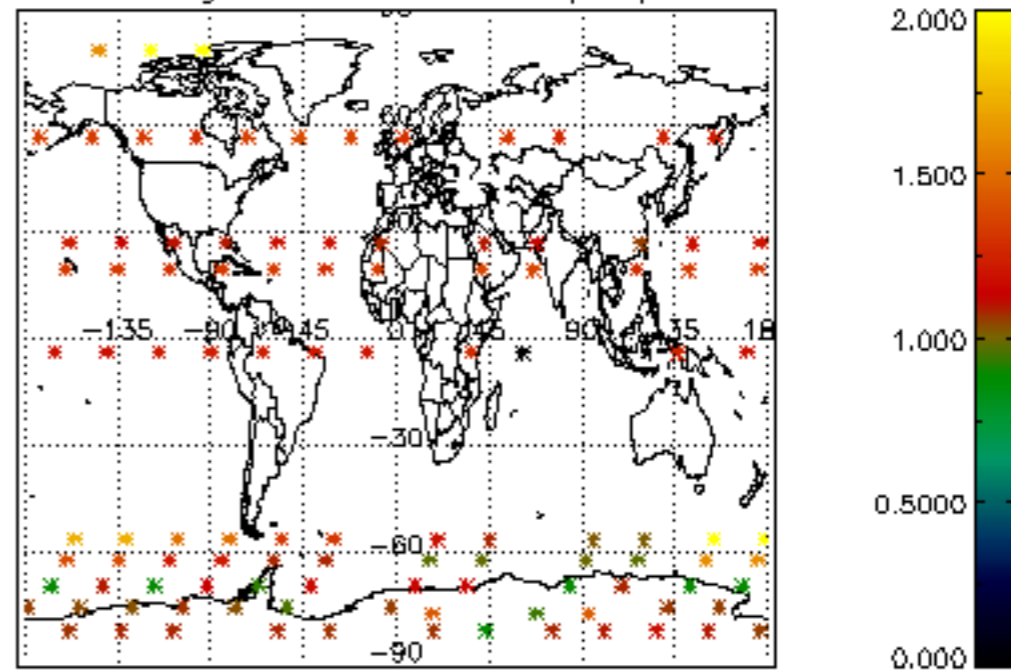
Percentage of saturation errors per profile



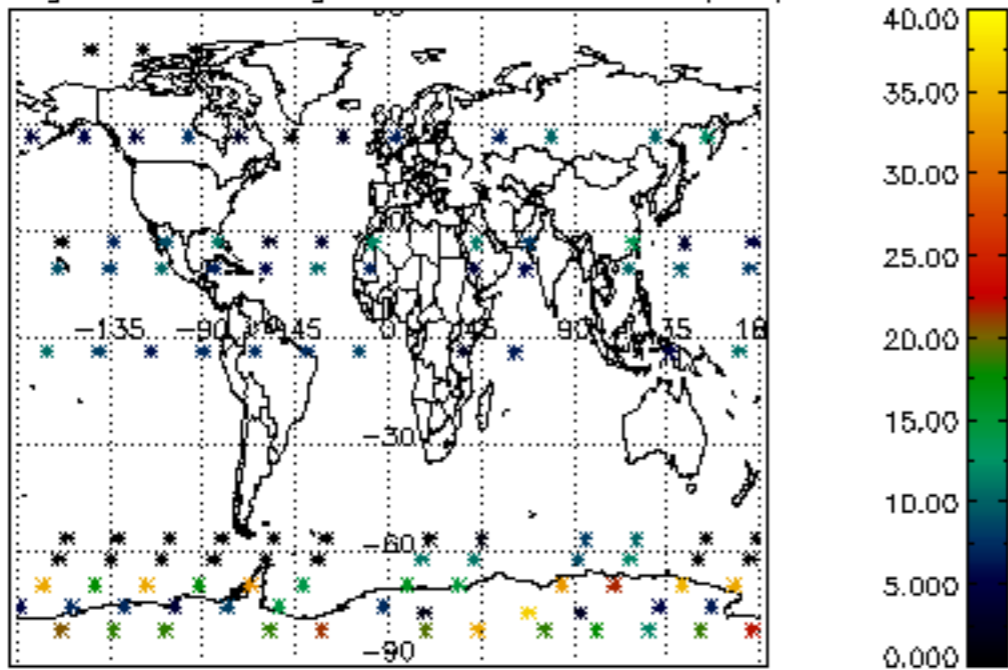
Percentage of cosmic ray hits per profile



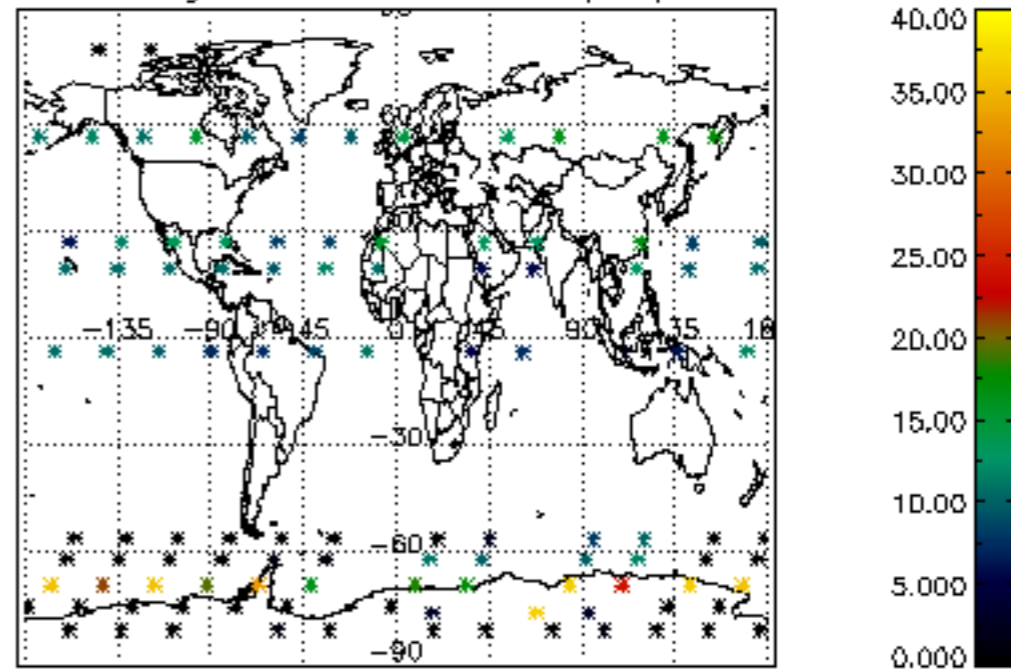
Percentage of datation errors per profile

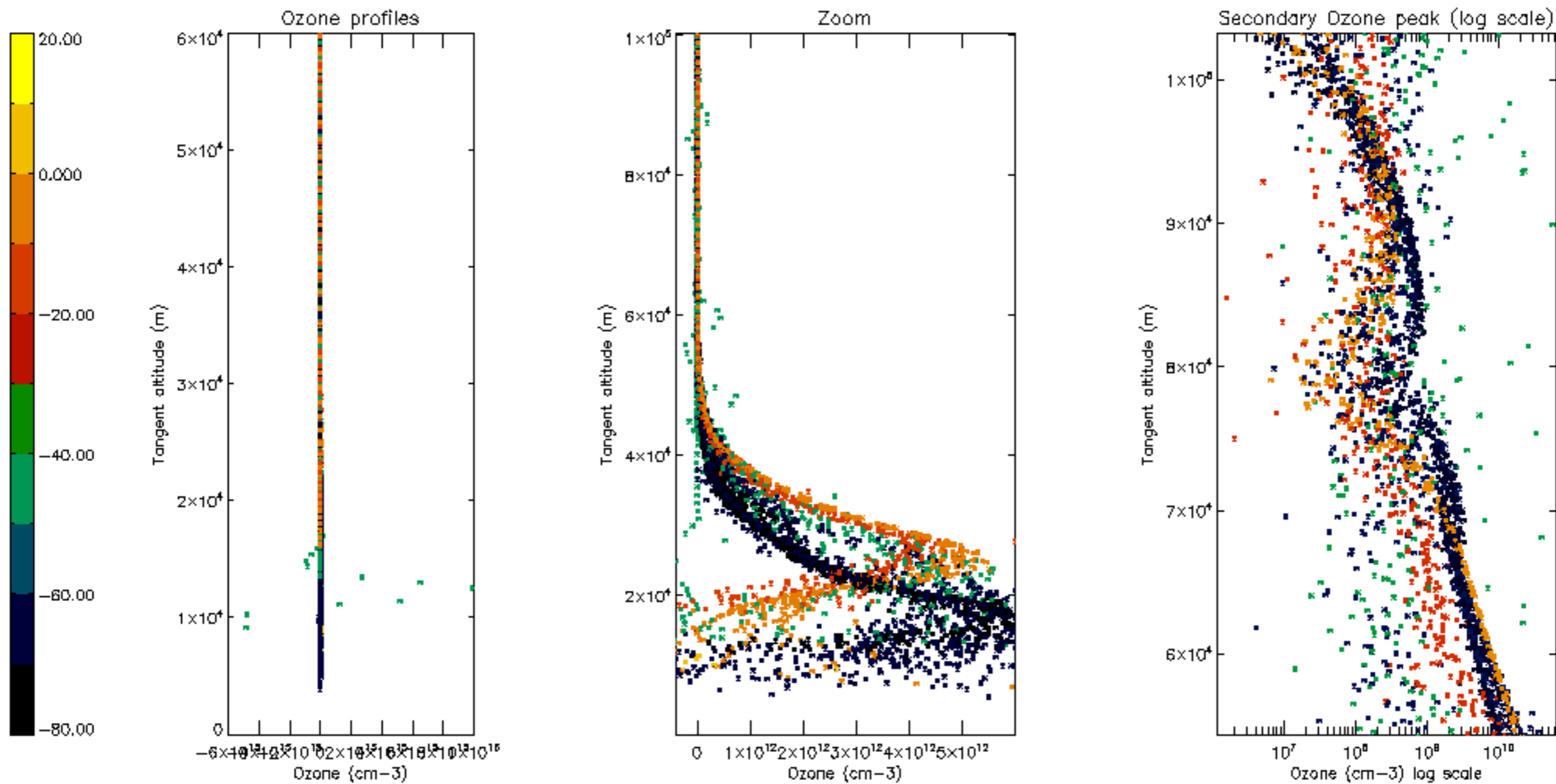


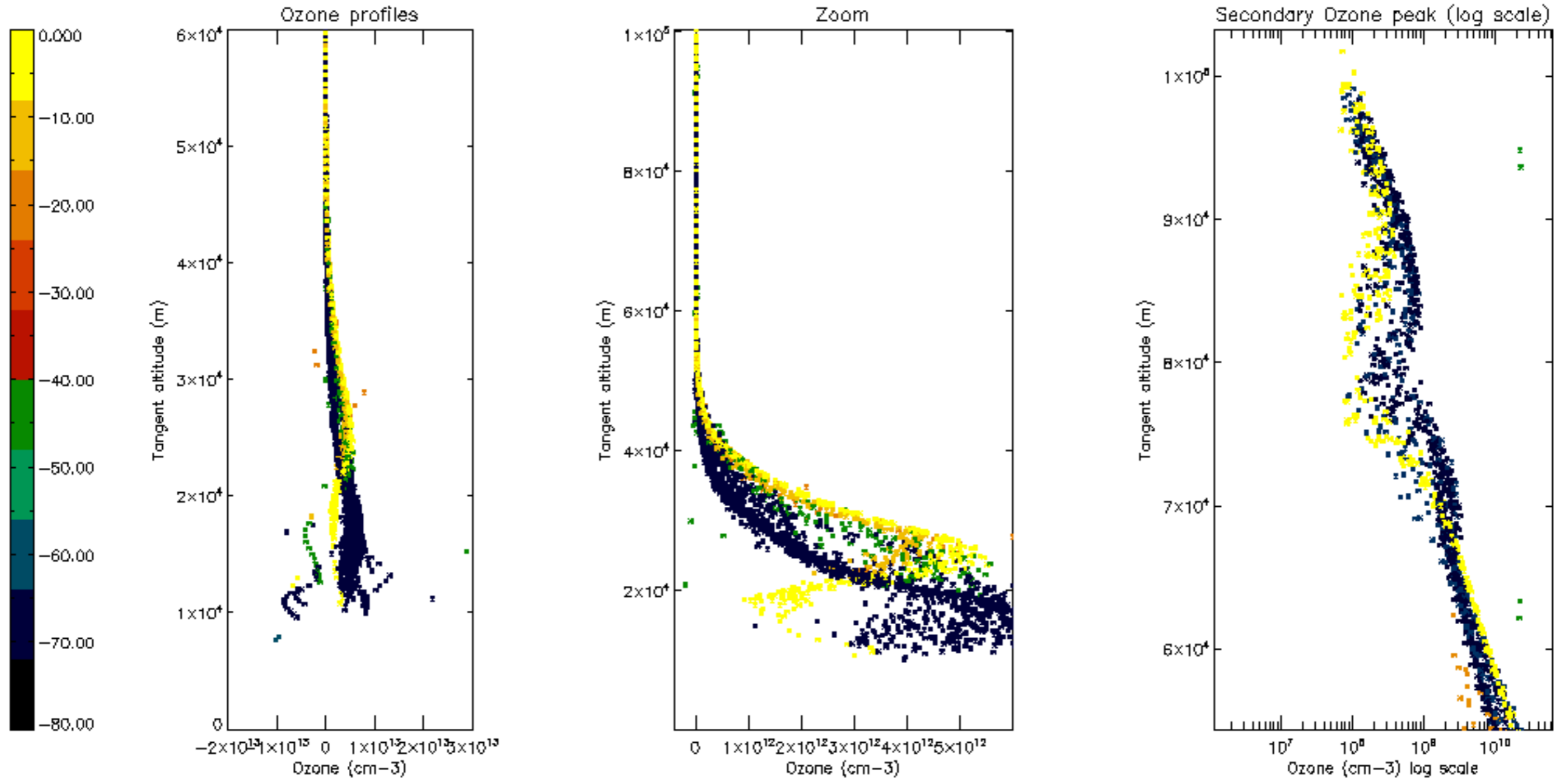
Percentage of star falling outside central band per profile

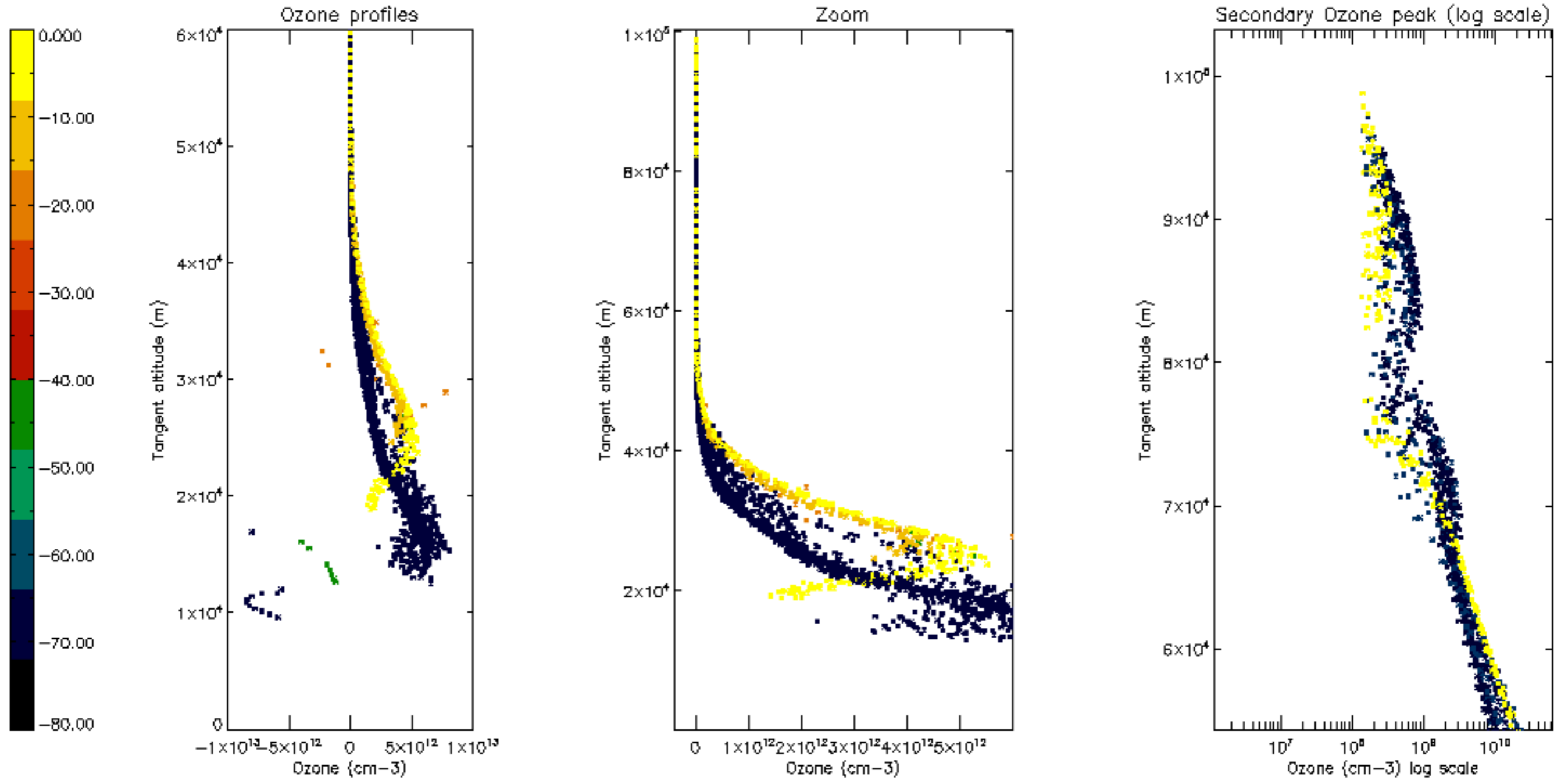


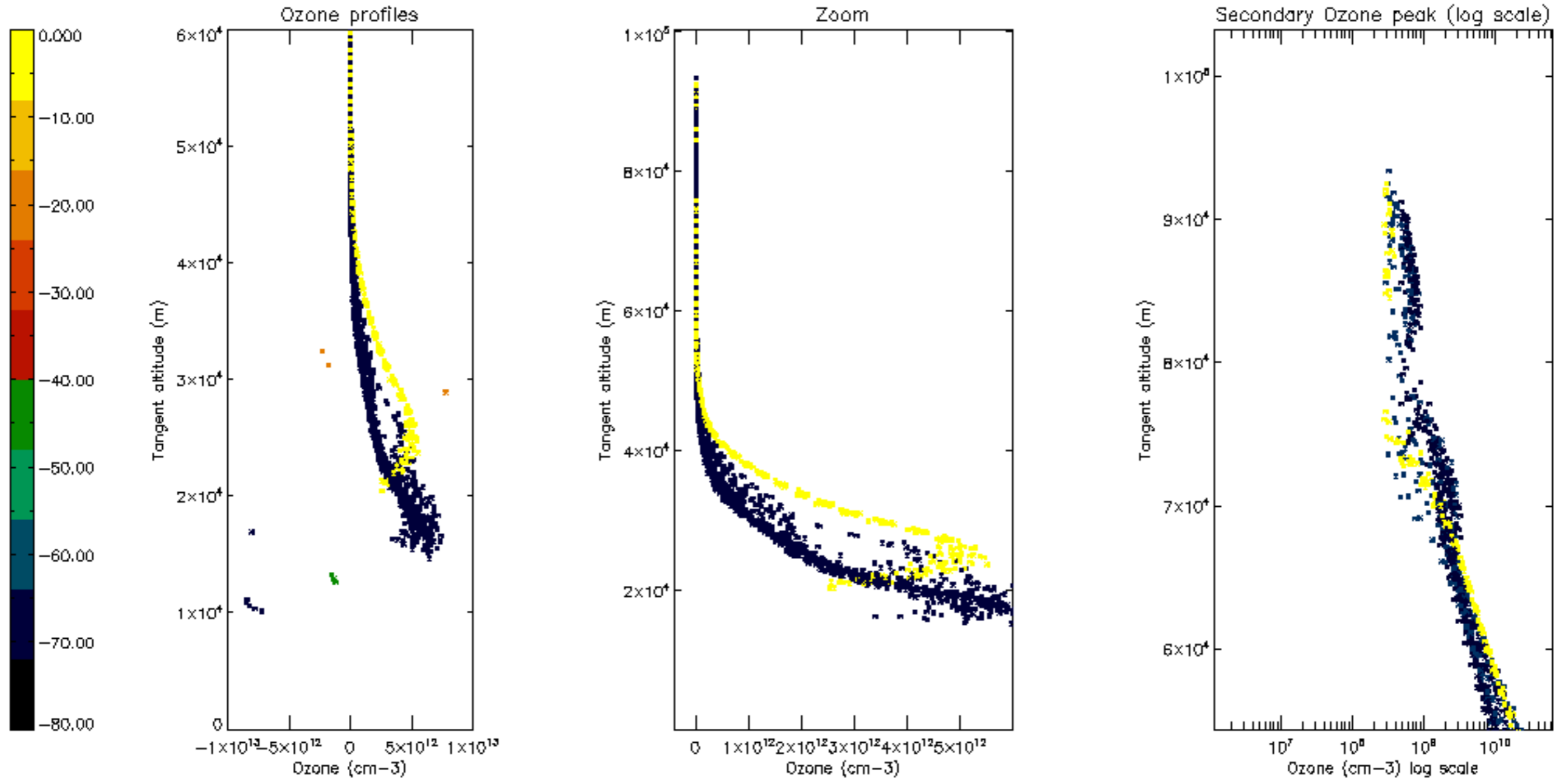
Percentage of saturation errors per profile



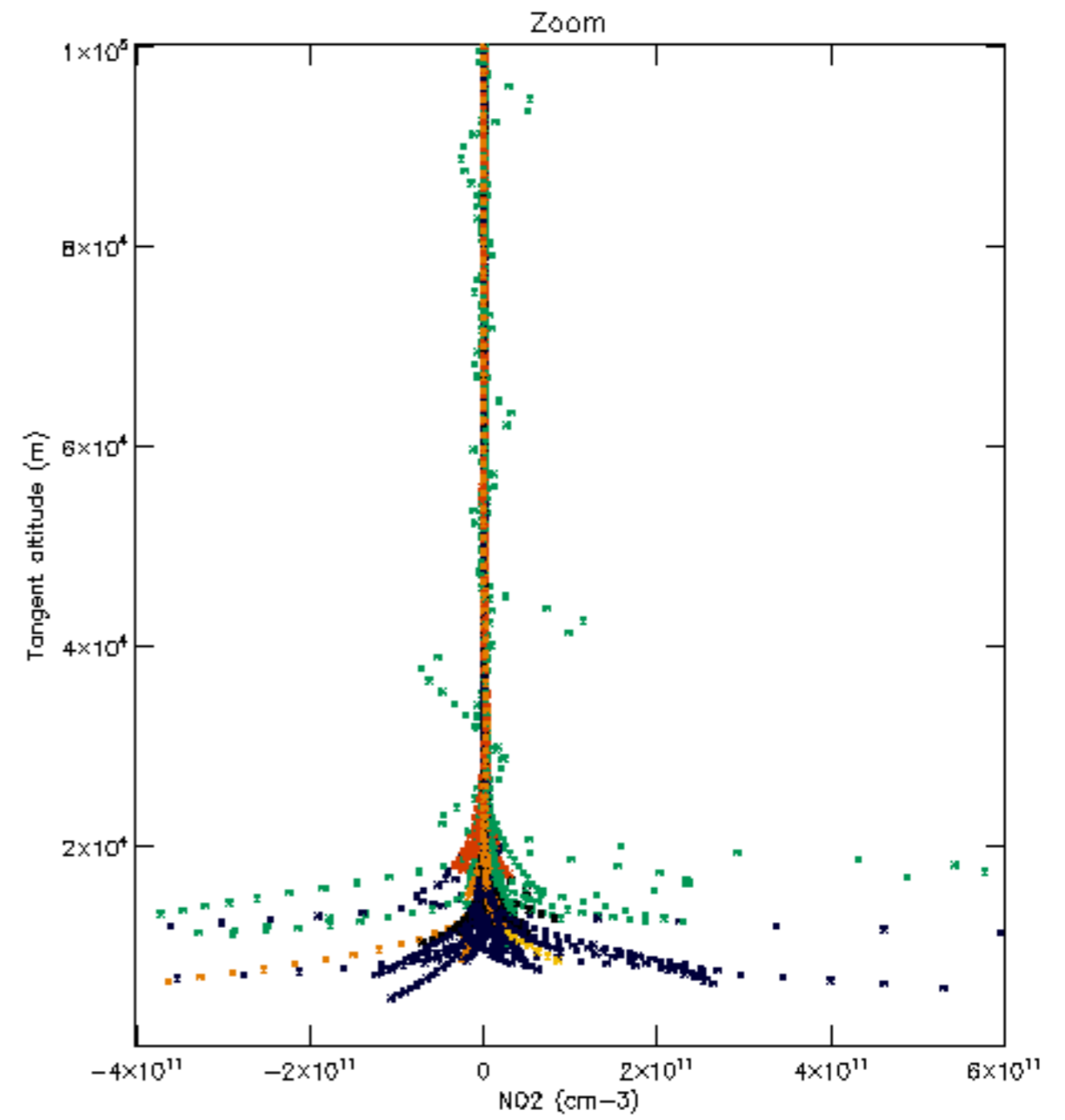
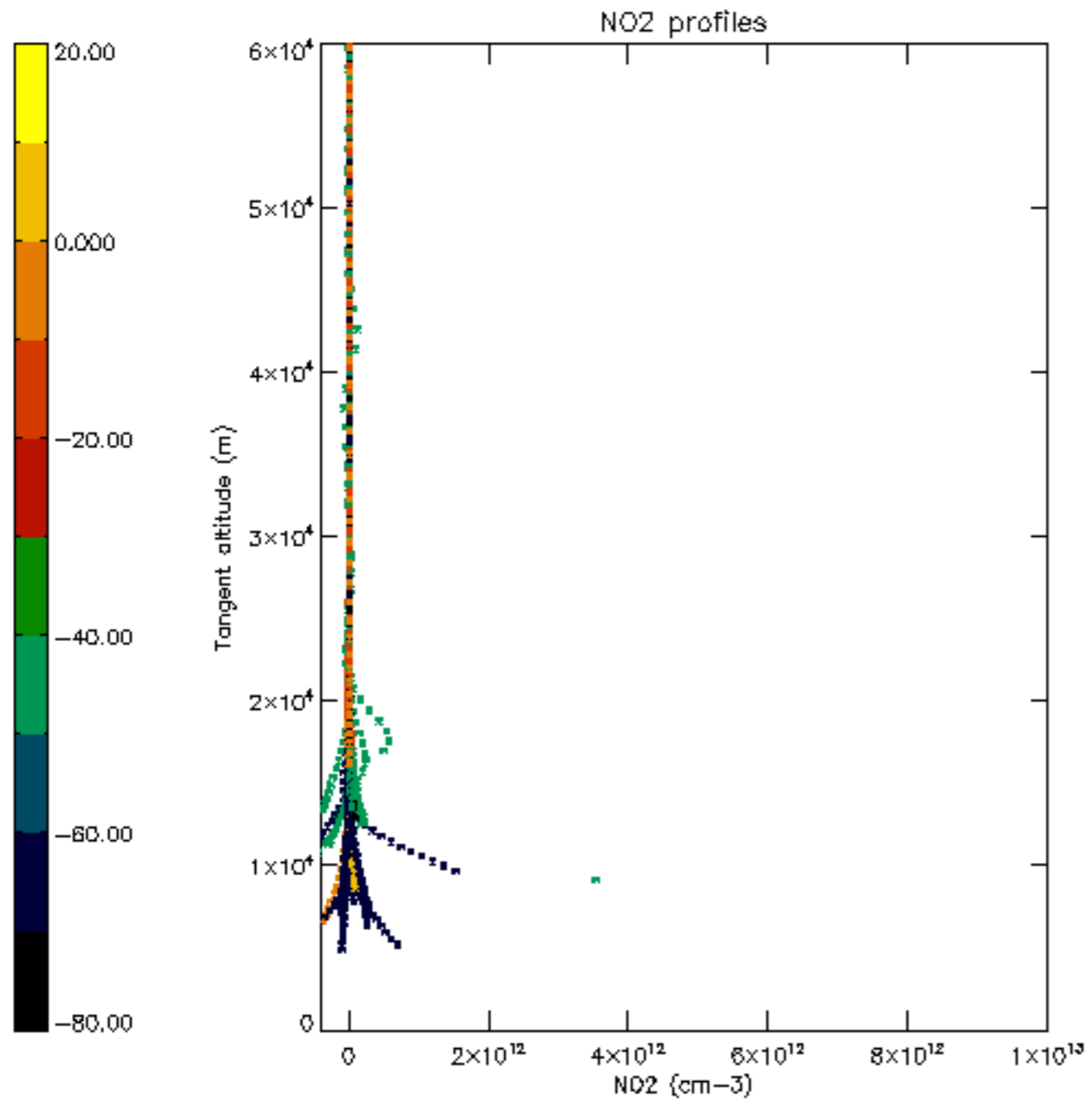


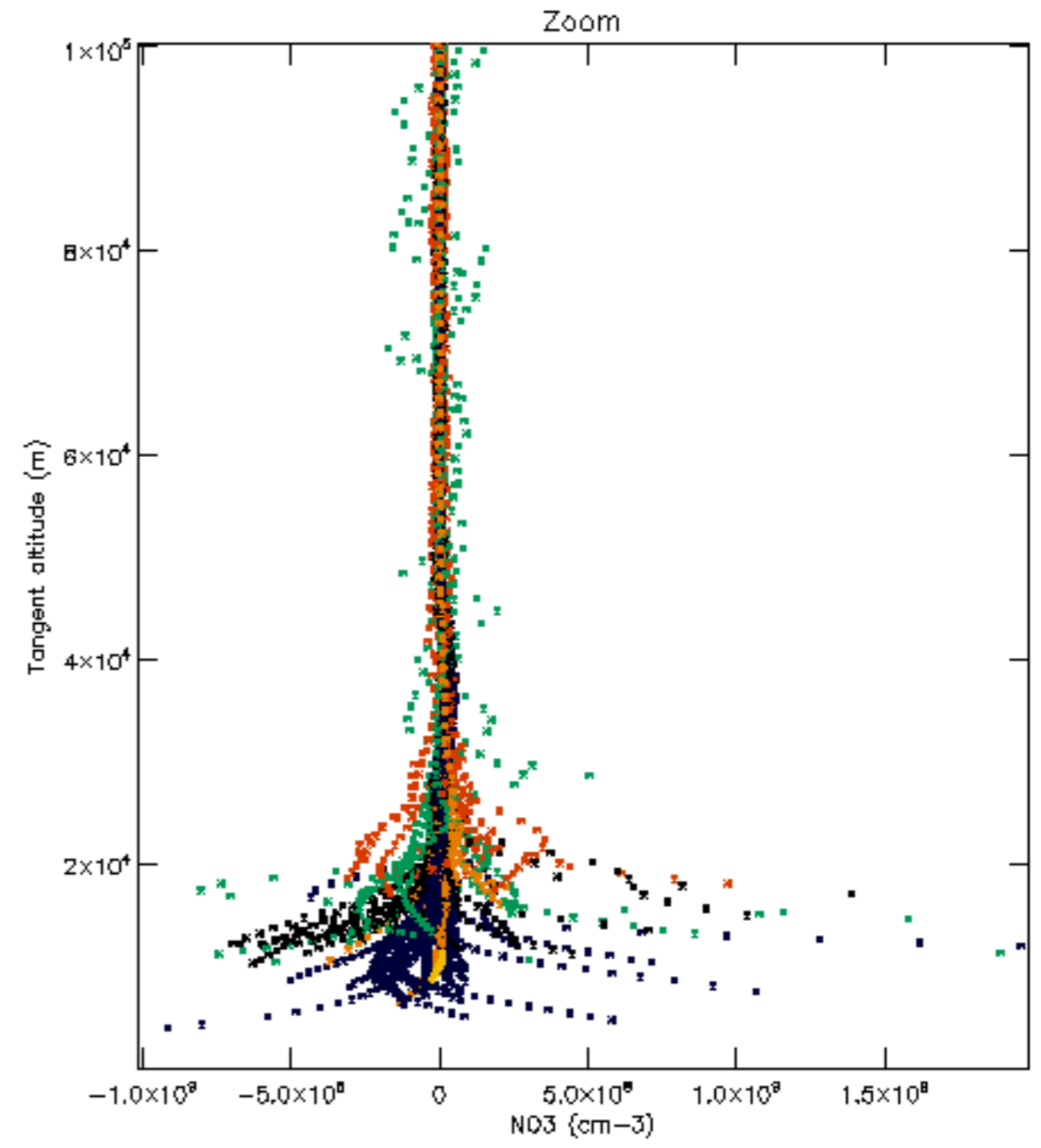
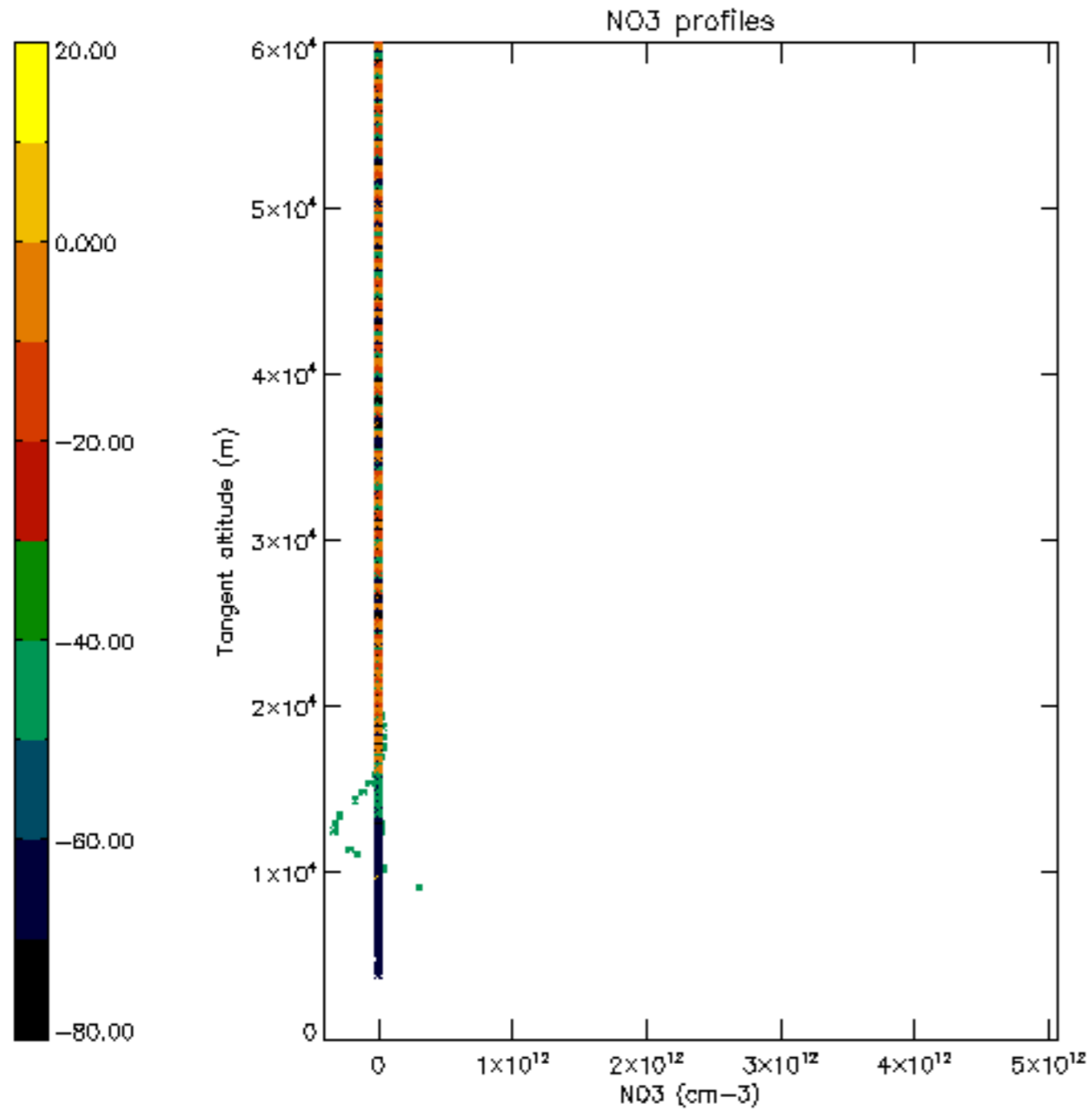


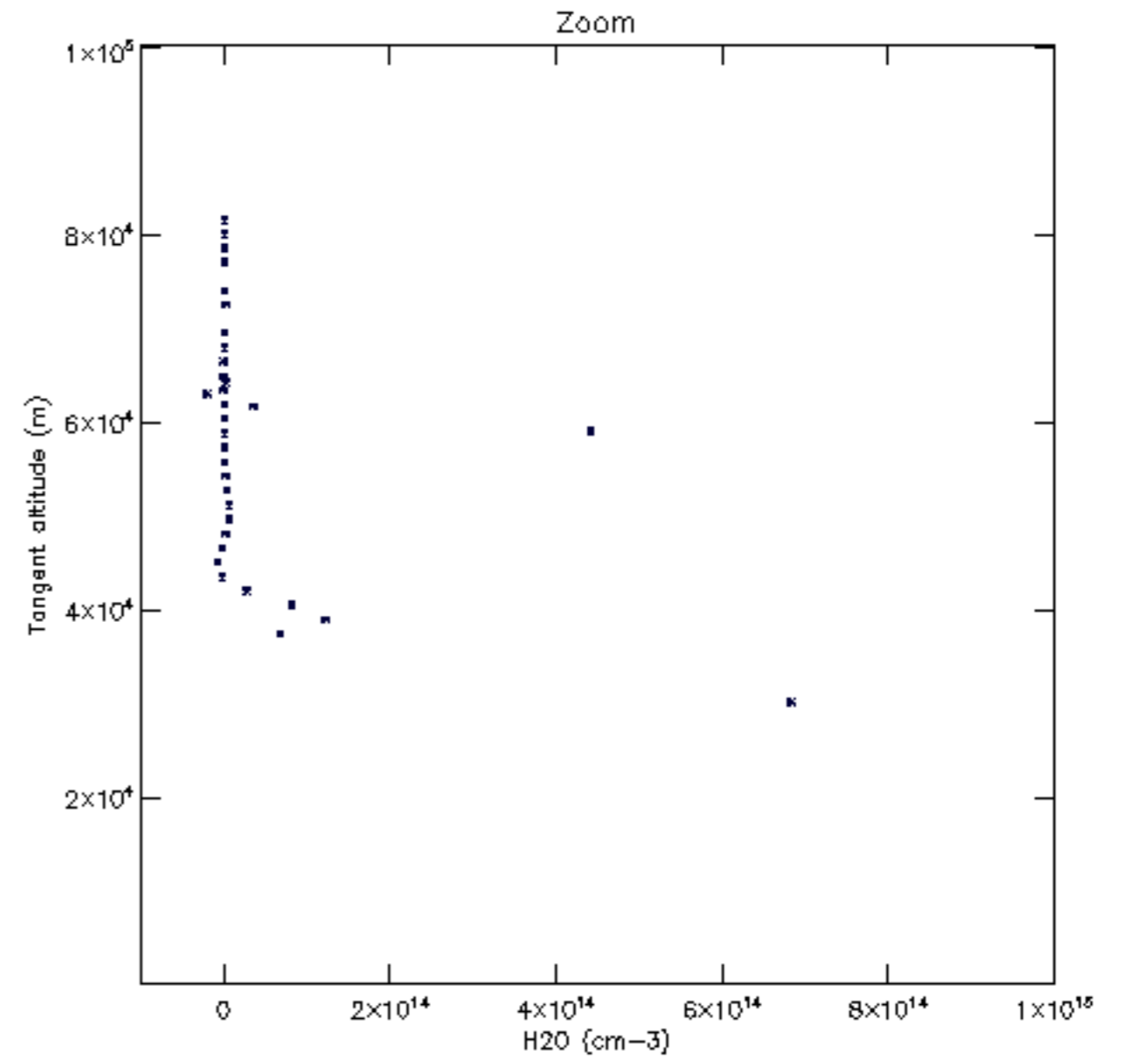
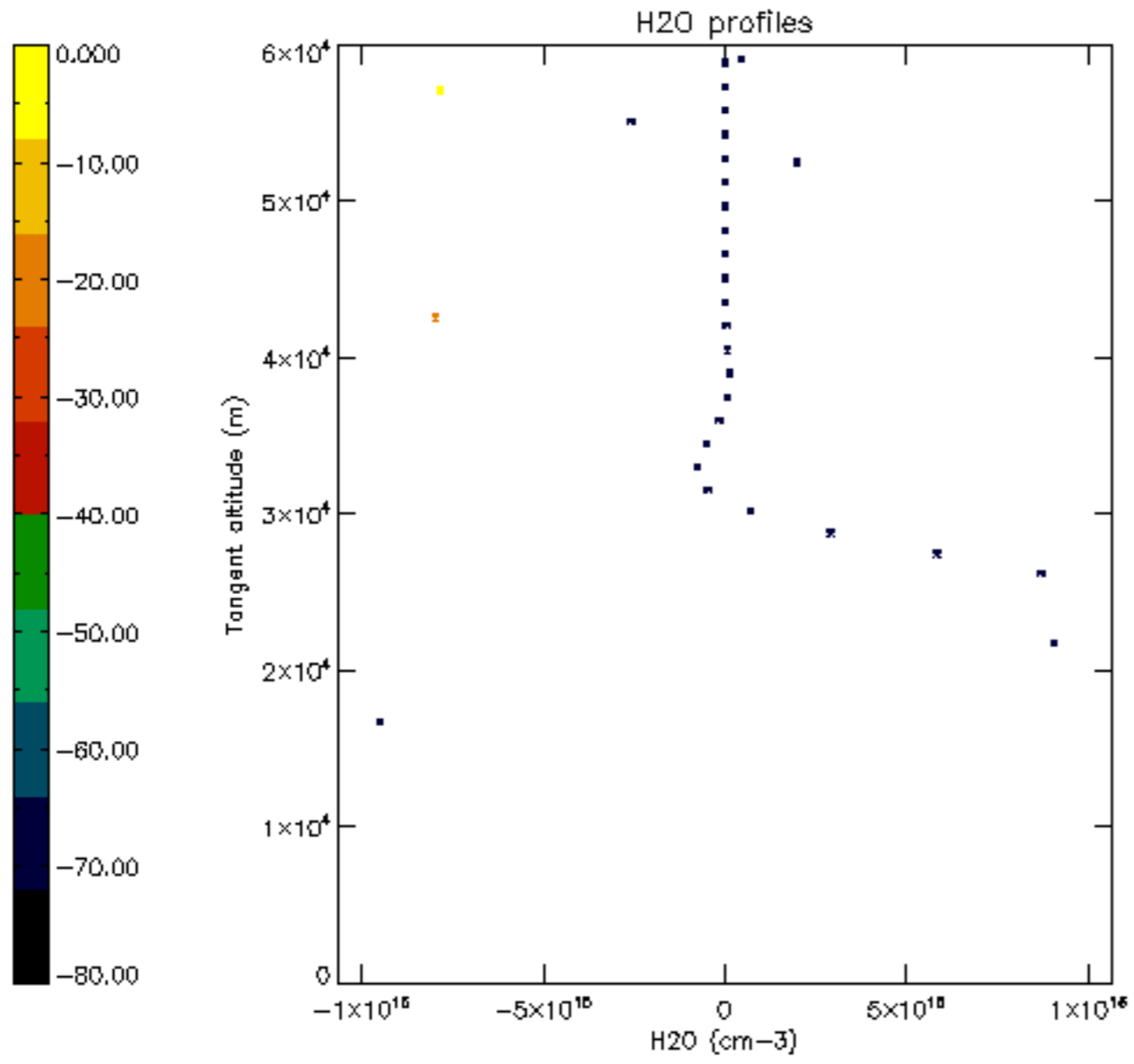


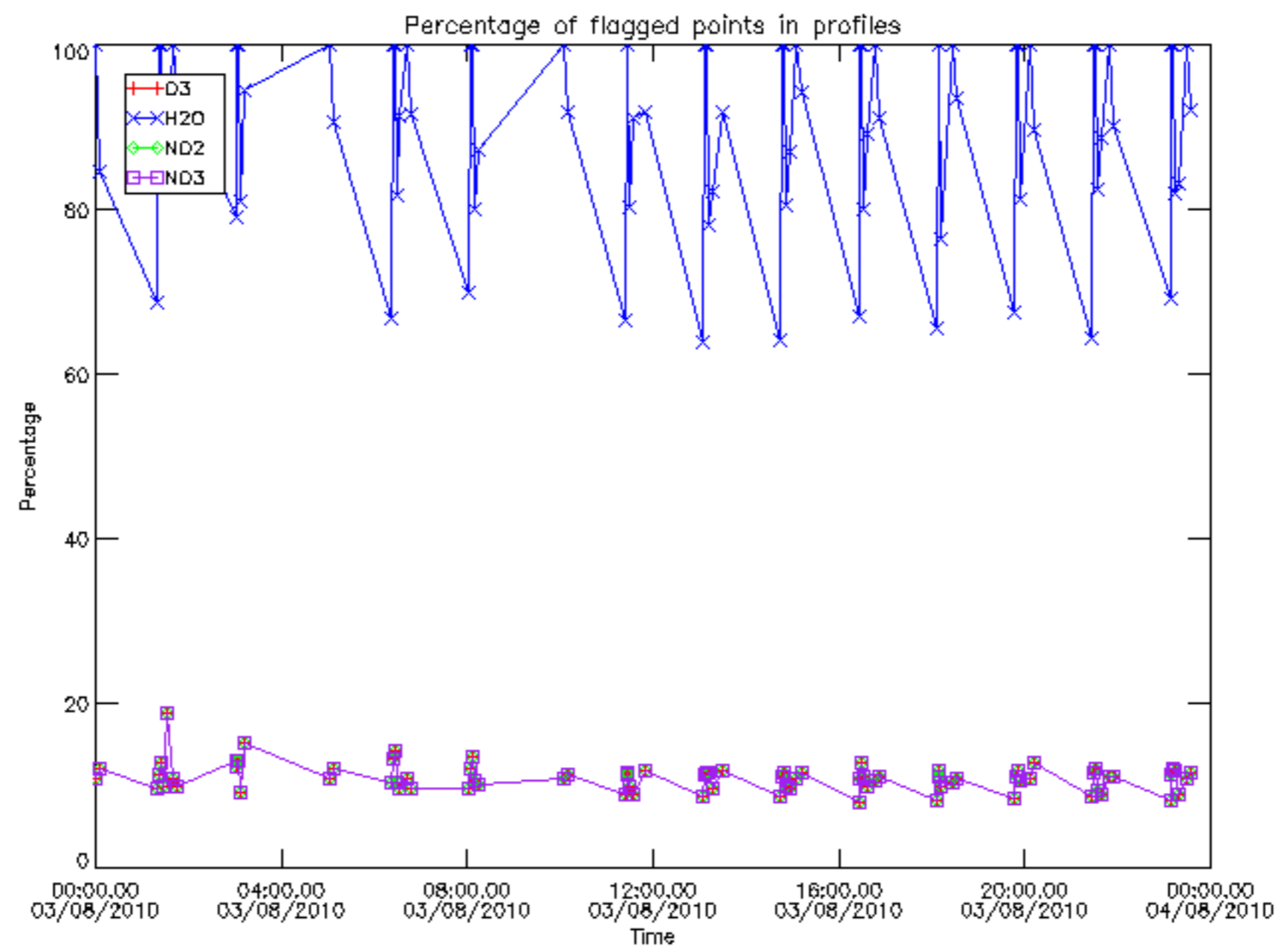




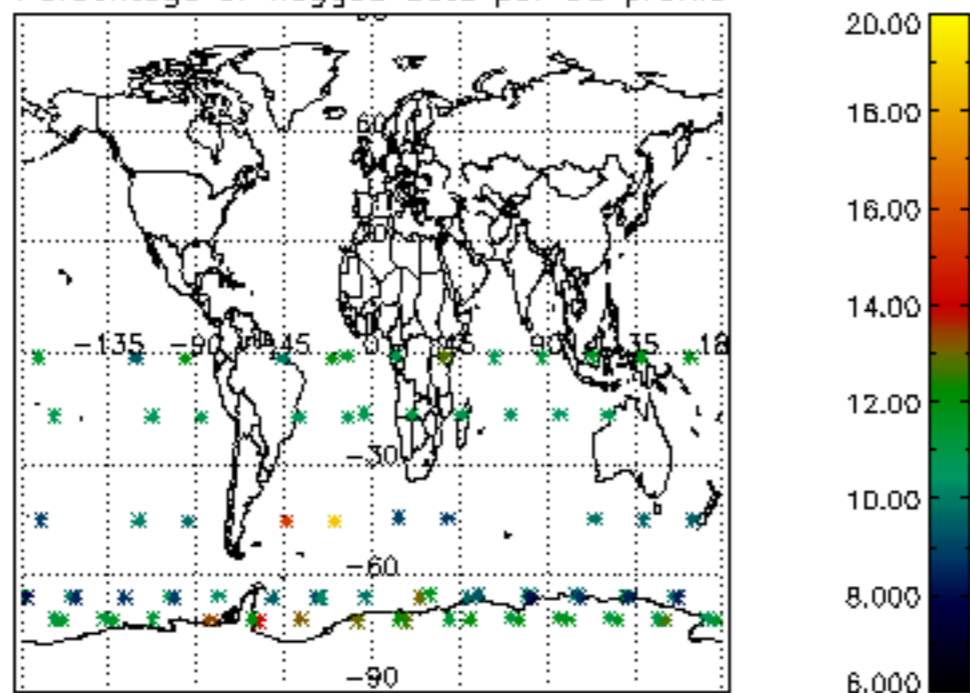




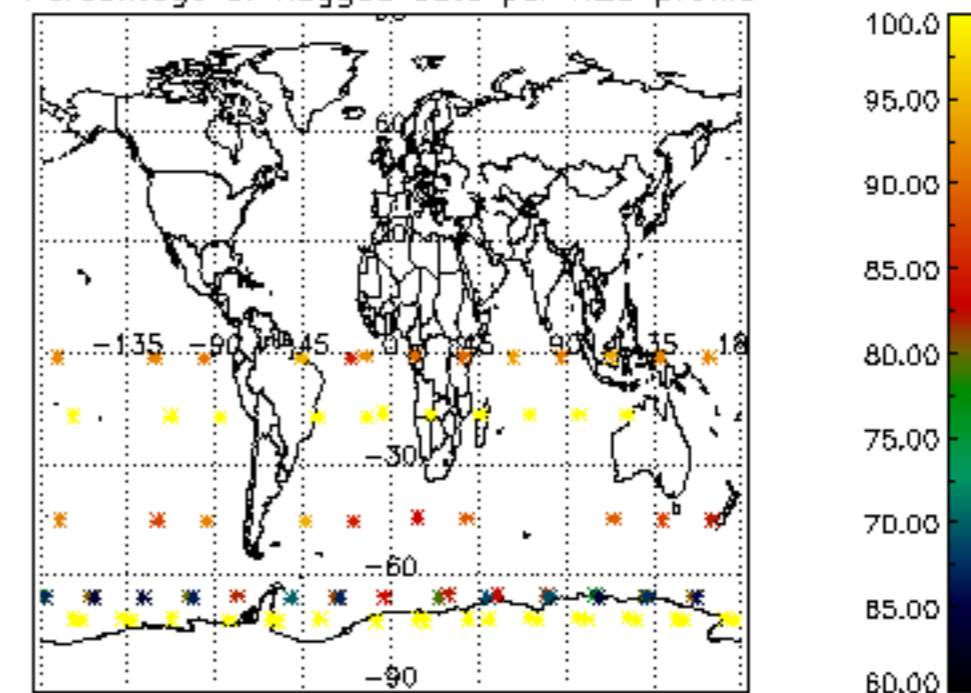




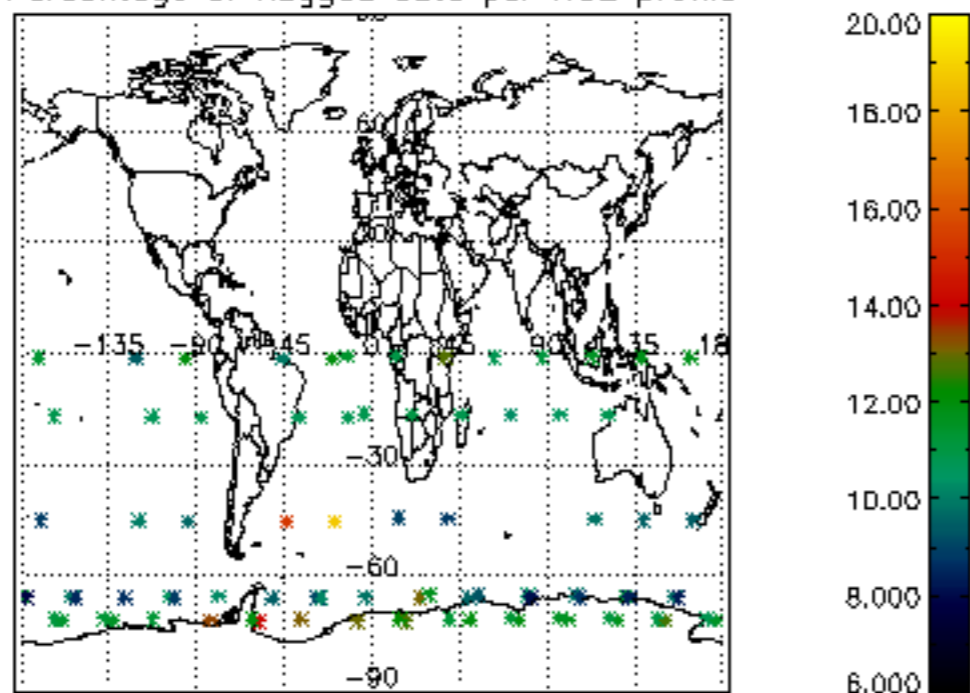
Percentage of flagged data per D3 profile



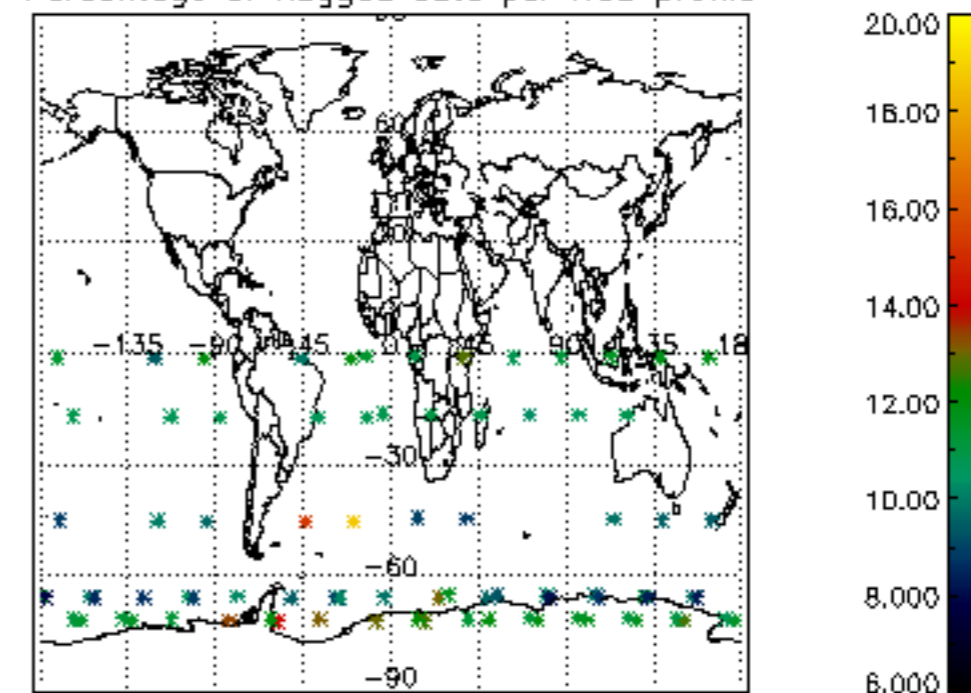
Percentage of flagged data per H2O profile

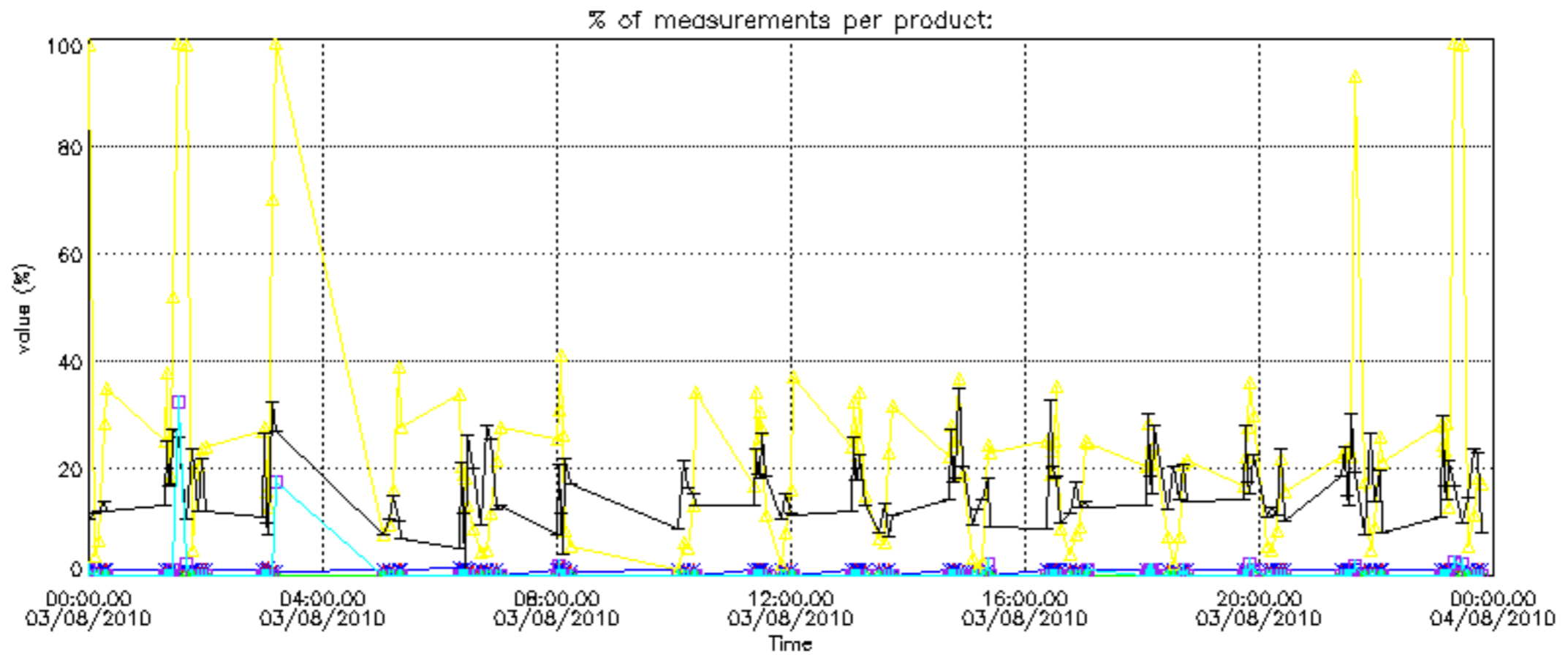


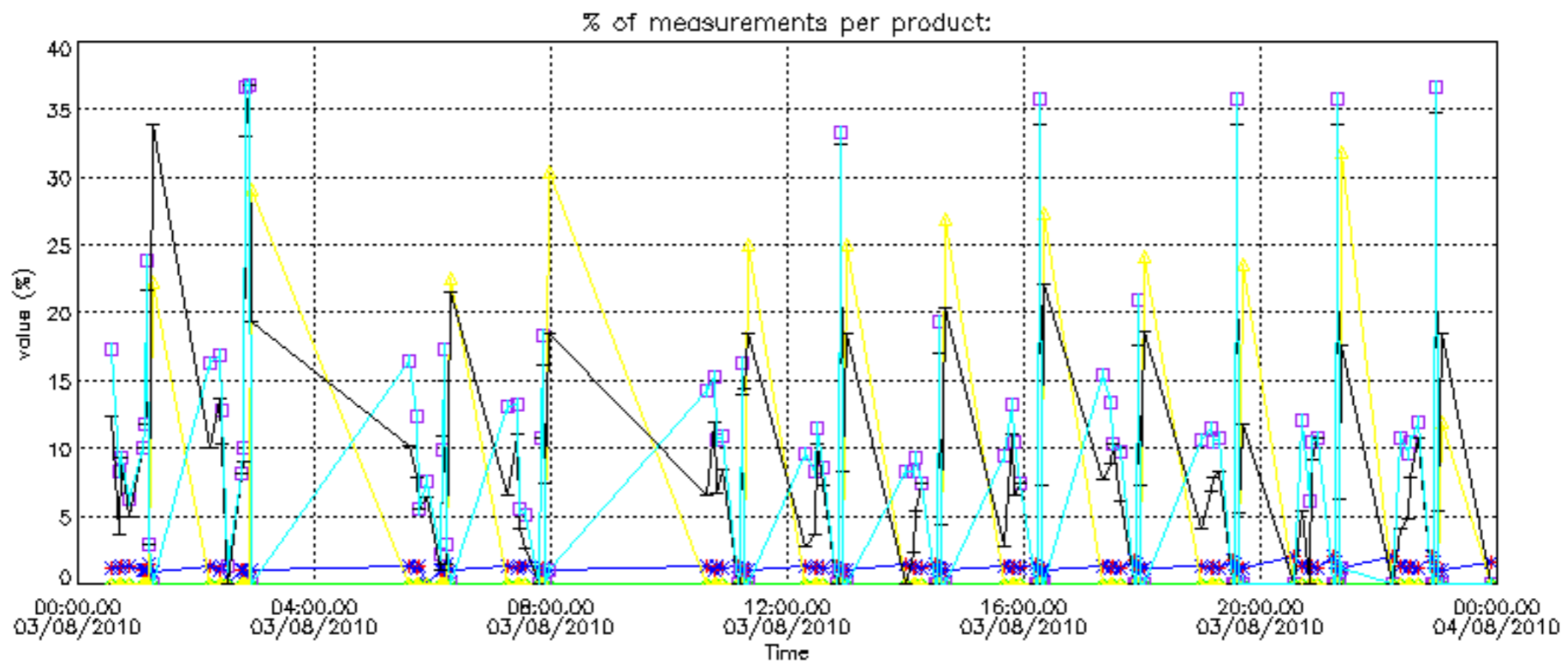
Percentage of flagged data per NO2 profile



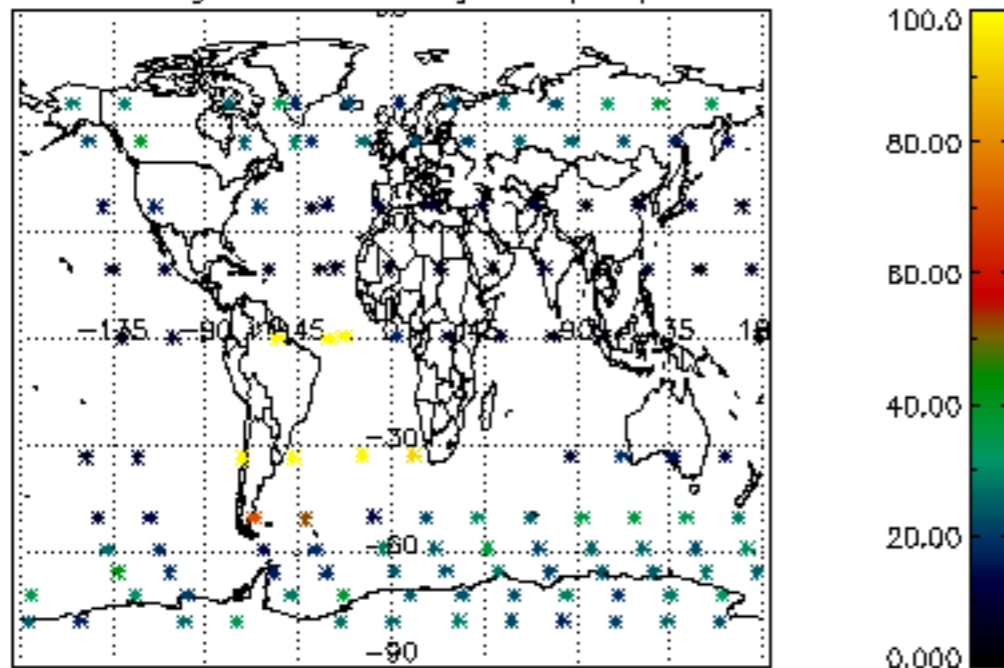
Percentage of flagged data per NO3 profile



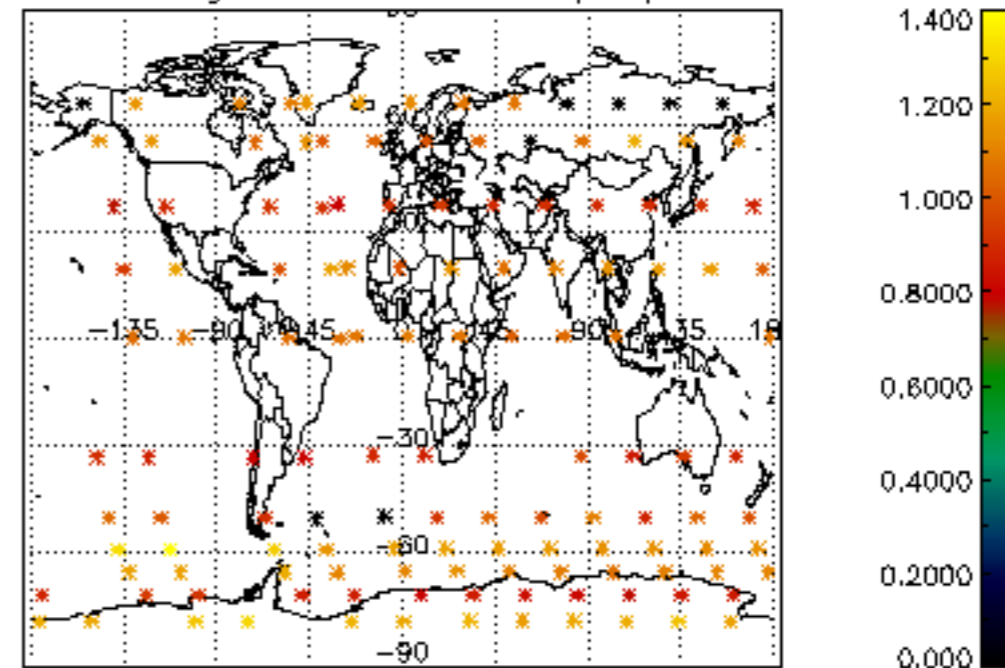




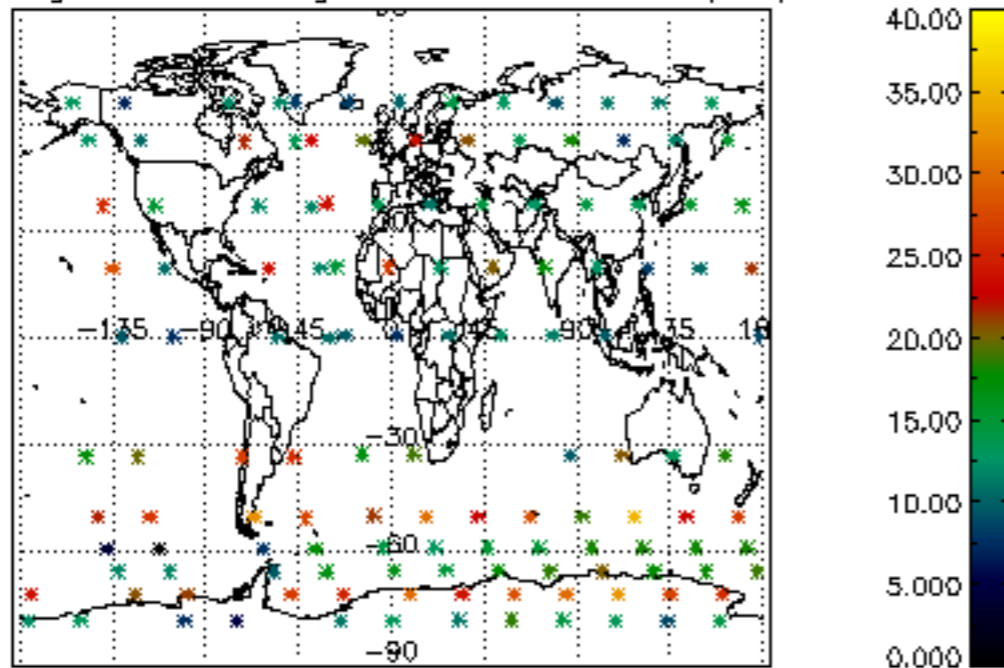
Percentage of cosmic ray hits per profile



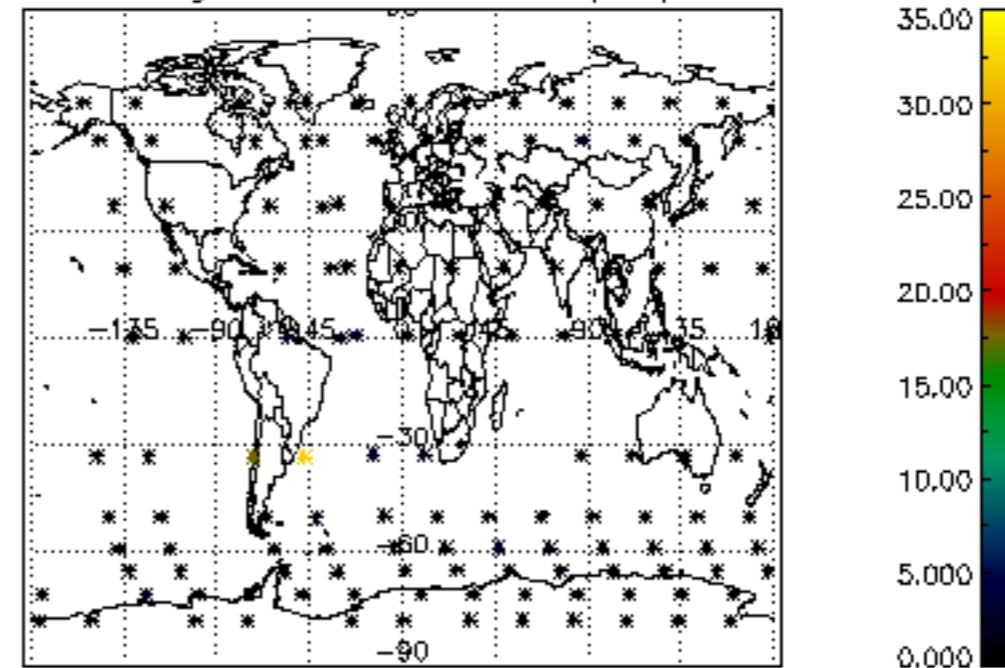
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

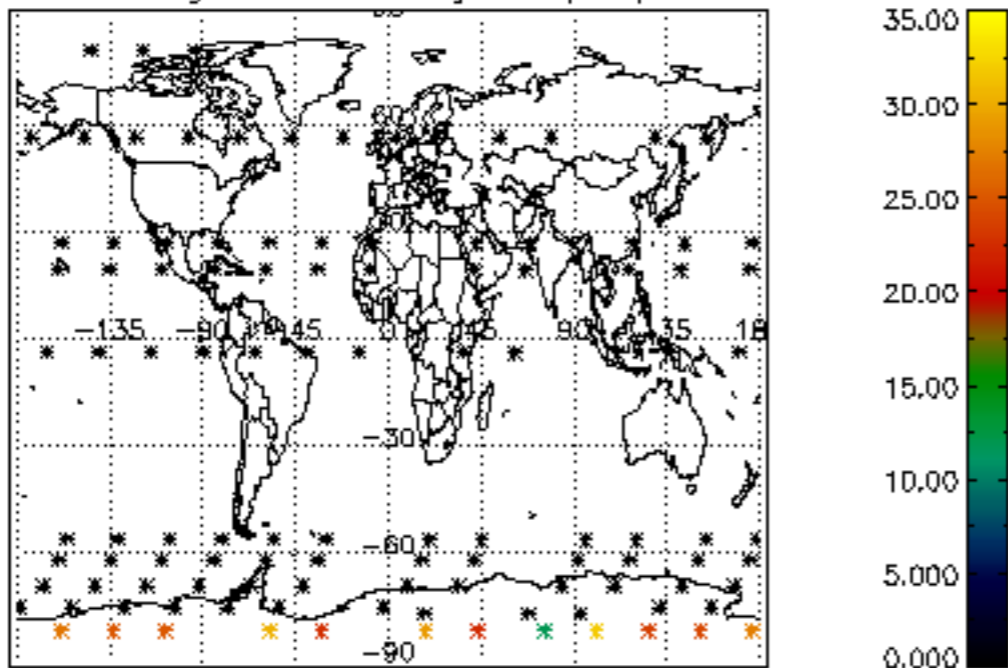


Percentage of saturation errors per profile

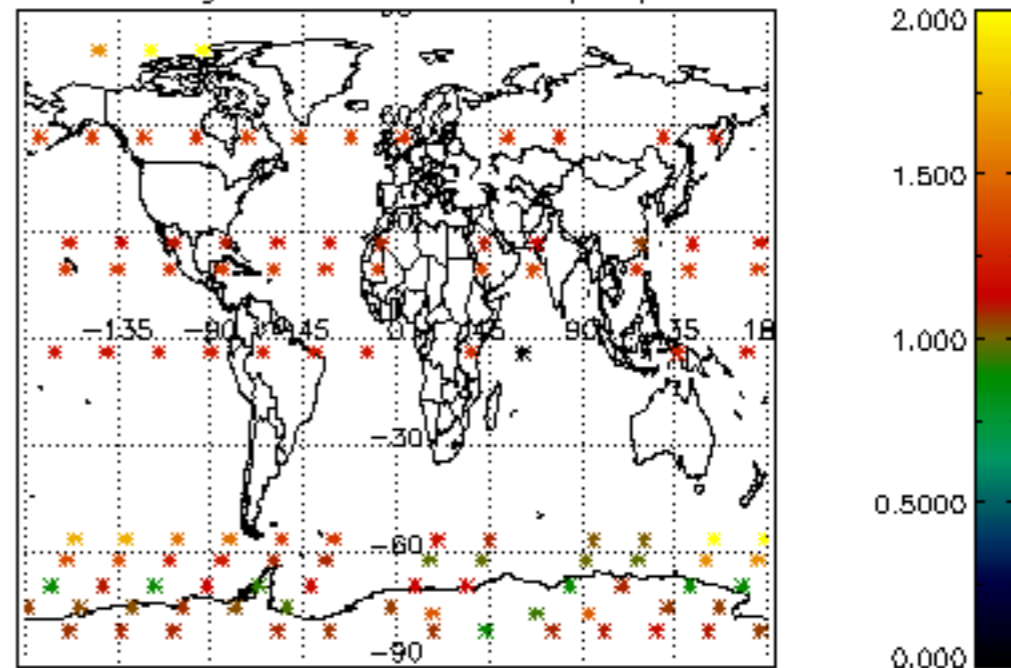




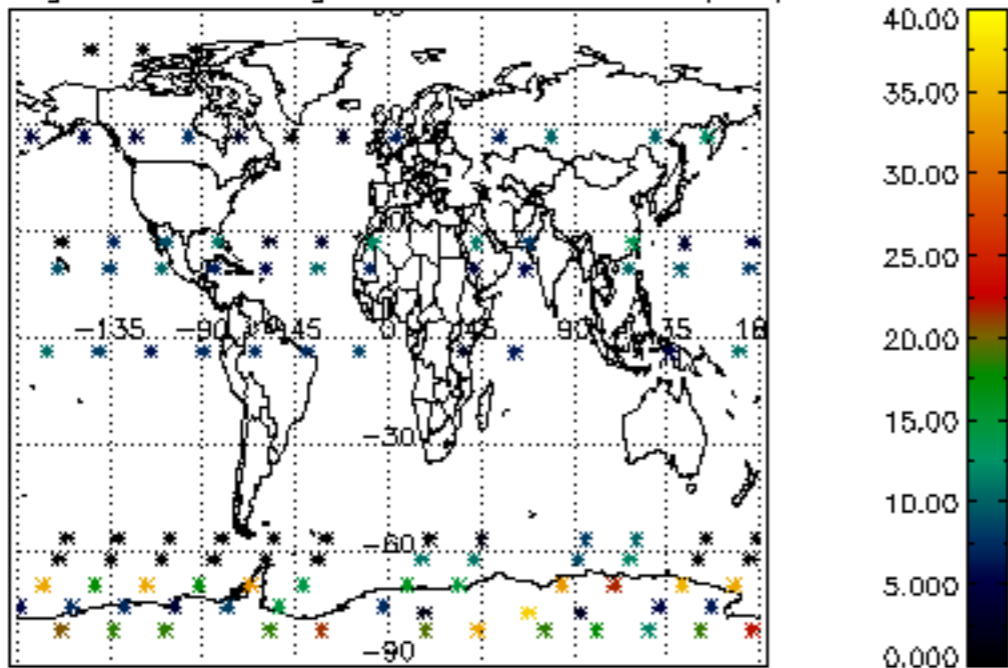
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

