

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	25APR2013 21:46:20
Data source version	GOMOS/6.01
Start time of products	06-11-2008 (06NOV2008 00:00:00)
Stop time of products	07-11-2008 (07NOV2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	203
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

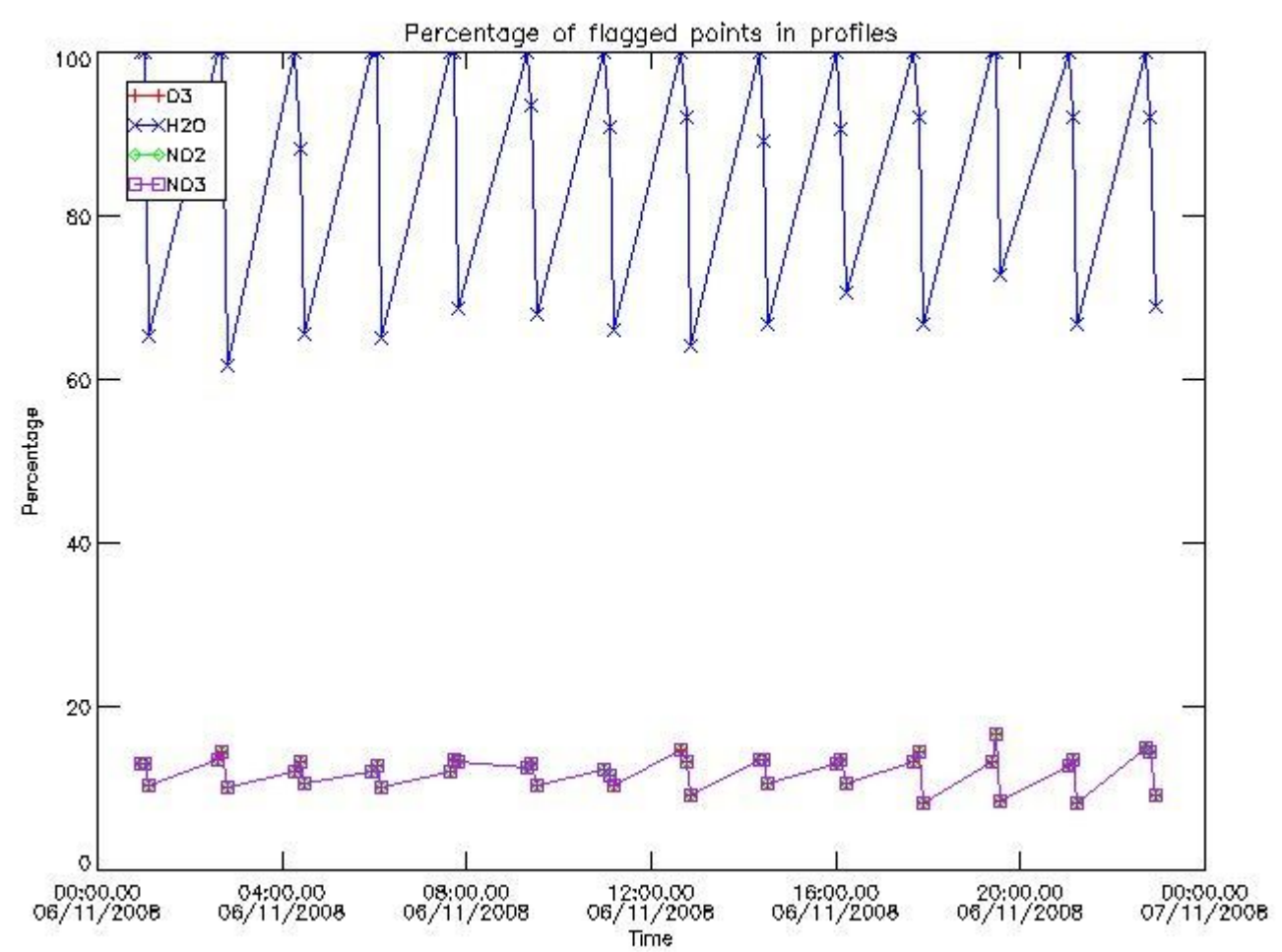
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081106_000107_000000392073_00331_34954_9692.N1	06-NOV-2008 00:01:07	Bright	38.500	73	57Gam1And	2.2600	13100.	77	34954	No
2	GOM_NL__2PRFIN20081106_000455_000000342073_00331_34954_9693.N1	06-NOV-2008 00:04:55	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	34954	No
3	GOM_NL__2PRFIN20081106_001407_000000352073_00331_34954_9694.N1	06-NOV-2008 00:14:07	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34954	No
4	GOM_NL__2PRFIN20081106_001810_000000372073_00331_34954_9695.N1	06-NOV-2008 00:18:10	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	34954	No
5	GOM_NL__2PRFIN20081106_002208_000000412073_00331_34954_9696.N1	06-NOV-2008 00:22:08	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	34954	No
6	GOM_NL__2PRFIN20081106_002345_000000572073_00331_34954_9697.N1	06-NOV-2008 00:23:45	Bright	57.000	82	48Bet UMa	2.3650	10600.	114	34954	No
7	GOM_NL__2PRFIN20081106_002733_000000392073_00331_34954_9698.N1	06-NOV-2008 00:27:33	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	34954	No
8	GOM_NL__2PRFIN20081106_003518_000000412073_00331_34954_9699.N1	06-NOV-2008 00:35:18	Bright	41.000	96	68Del Leo	2.5600	9300.0	82	34954	No
9	GOM_NL__2PRFIN20081106_005522_000000392073_00331_34954_9700.N1	06-NOV-2008 00:55:22	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	34954	No
10	GOM_NL__2PRFIN20081106_010135_000000392073_00332_34955_9707.N1	06-NOV-2008 01:01:35	Dark	39.000	29	Bet Car	1.6720	10200.	78	34955	No
11	GOM_NL__2PRFIN20081106_010722_000000502073_00332_34955_9708.N1	06-NOV-2008 01:07:22	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	34955	No
12	GOM_NL__2PRFIN20081106_011705_000000402073_00332_34955_9709.N1	06-NOV-2008 01:17:05	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	34955	No
13	GOM_NL__2PRFIN20081106_013525_000000382073_00332_34955_9710.N1	06-NOV-2008 01:35:25	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	34955	No
14	GOM_NL__2PRFIN20081106_013935_000000372073_00332_34955_9711.N1	06-NOV-2008 01:39:35	Bright	36.500	53	43Bet And	2.0480	3300.0	73	34955	No
15	GOM_NL__2PRFIN20081106_014143_000000382073_00332_34955_9712.N1	06-NOV-2008 01:41:43	Bright	37.500	73	57Gam1And	2.2600	13100.	75	34955	No
16	GOM_NL__2PRFIN20081106_014531_000000332073_00332_34955_9713.N1	06-NOV-2008 01:45:31	Bright	33.000	68	18Alp Cas	2.2250	4500.0	66	34955	No
17	GOM_NL__2PRFIN20081106_015443_000000322073_00332_34955_9714.N1	06-NOV-2008 01:54:43	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	34955	No
18	GOM_NL__2PRFIN20081106_015846_000000372073_00332_34955_9715.N1	06-NOV-2008 01:58:46	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	34955	No
19	GOM_NL__2PRFIN20081106_020244_000000402073_00332_34955_9716.N1	06-NOV-2008 02:02:44	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	34955	No
20	GOM_NL__2PRFIN20081106_020421_000000402073_00332_34955_9717.N1	06-NOV-2008 02:04:21	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	34955	No
21	GOM_NL__2PRFIN20081106_020809_000000372073_00332_34955_9718.N1	06-NOV-2008 02:08:09	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	34955	No
22	GOM_NL__2PRFIN20081106_021554_000000412073_00332_34955_9719.N1	06-NOV-2008 02:15:54	Bright	40.500	96	68Del Leo	2.5600	9300.0	81	34955	No
23	GOM_NL__2PRFIN20081106_023558_000000382073_00332_34955_9720.N1	06-NOV-2008 02:35:58	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	34955	No
24	GOM_NL__2PRFIN20081106_024211_000000392073_00333_34956_9721.N1	06-NOV-2008 02:42:11	Dark	39.000	29	Bet Car	1.6720	10200.	78	34956	No
25	GOM_NL__2PRFIN20081106_024758_000000502073_00333_34956_9722.N1	06-NOV-2008 02:47:58	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	34956	No
26	GOM_NL__2PRFIN20081106_025741_000000402073_00333_34956_9723.N1	06-NOV-2008 02:57:41	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	34956	No
27	GOM_NL__2PRFIN20081106_031600_000000372073_00333_34956_9724.N1	06-NOV-2008 03:16:00	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	34956	No
28	GOM_NL__2PRFIN20081106_032011_000000392073_00333_34956_9725.N1	06-NOV-2008 03:20:11	Bright	38.500	53	43Bet And	2.0480	3300.0	77	34956	No
29	GOM_NL__2PRFIN20081106_032219_000000402073_00333_34956_9726.N1	06-NOV-2008 03:22:19	Bright	39.500	73	57Gam1And	2.2600	13100.	79	34956	No
30	GOM_NL__2PRFIN20081106_032607_000000342073_00333_34956_9727.N1	06-NOV-2008 03:26:07	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	34956	No
31	GOM_NL__2PRFIN20081106_033519_000000372073_00333_34956_9728.N1	06-NOV-2008 03:35:19	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34956	No
32	GOM_NL__2PRFIN20081106_033922_000000362073_00333_34956_9729.N1	06-NOV-2008 03:39:22	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	34956	No
33	GOM_NL__2PRFIN20081106_034320_000000402073_00333_34956_9730.N1	06-NOV-2008 03:43:20	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	34956	No
34	GOM_NL__2PRFIN20081106_034457_000000392073_00333_34956_9731.N1	06-NOV-2008 03:44:57	Bright	39.000	82	48Bet UMa	2.3650	10600.	78	34956	No
35	GOM_NL__2PRFIN20081106_034845_000000592073_00333_34956_9732.N1	06-NOV-2008 03:48:45	Bright	59.000	174	52Psi UMa	3.0040	4400.0	118	34956	No
36	GOM_NL__2PRFIN20081106_035630_000000602073_00333_34956_9733.N1	06-NOV-2008 03:56:30	Bright	60.000	96	68Del Leo	2.5600	9300.0	120	34956	No
37	GOM_NL__2PRFIN20081106_041635_000000422073_00333_34956_9734.N1	06-NOV-2008 04:16:35	Dark	42.000	113	Mu Vel	2.6920	5000.0	84	34956	No
38	GOM_NL__2PRFIN20081106_042248_000000392073_00334_34957_9735.N1	06-NOV-2008 04:22:48	Dark	38.500	29	Bet Car	1.6720	10200.	77	34957	No
39	GOM_NL__2PRFIN20081106_042835_000000492073_00334_34957_9736.N1	06-NOV-2008 04:28:35	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	34957	No
40	GOM_NL__2PRFIN20081106_043818_000000402073_00334_34957_9737.N1	06-NOV-2008 04:38:18	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	34957	No
41	GOM_NL__2PRFIN20081106_045636_000000392073_00334_34957_9738.N1	06-NOV-2008 04:56:36	Bright	38.500	105	6Bet Ari	2.6450	8900.0	77	34957	No
42	GOM_NL__2PRFIN20081106_050047_000000372073_00334_34957_9739.N1	06-NOV-2008 05:00:47	Bright	37.000	53	43Bet And	2.0480	3300.0	74	34957	No

161	GOM_NL__2PRFIN20081106_185408_000000572073_00342_34965_9867.N1	06-NOV-2008 18:54:08	Bright	57.000	174	52Psi UMa	3.0040	4400.0	114	34965	No
162	GOM_NL__2PRFIN20081106_190156_000000402073_00342_34965_9868.N1	06-NOV-2008 19:01:56	Bright	40.000	96	68Del Leo	2.5600	9300.0	80	34965	No
163	GOM_NL__2PRFIN20081106_192203_000000392073_00342_34965_9869.N1	06-NOV-2008 19:22:03	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	34965	No
164	GOM_NL__2PRFIN20081106_192814_000000462073_00343_34966_9863.N1	06-NOV-2008 19:28:14	Dark	46.000	29	Bet Car	1.6720	10200.	92	34966	No
165	GOM_NL__2PRFIN20081106_193405_000000612073_00343_34966_9864.N1	06-NOV-2008 19:34:05	Dark	60.500	2	Alp Car	-0.73600	7000.0	121	34966	No
166	GOM_NL__2PRFIN20081106_194344_000000382073_00343_34966_9865.N1	06-NOV-2008 19:43:44	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	34966	No
167	GOM_NL__2PRFIN20081106_200159_000000372073_00343_34966_9866.N1	06-NOV-2008 20:01:59	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	34966	No
168	GOM_NL__2PRFIN20081106_200611_000000372073_00343_34966_9867.N1	06-NOV-2008 20:06:11	Bright	36.500	53	43Bet And	2.0480	3300.0	73	34966	No
169	GOM_NL__2PRFIN20081106_200816_000000392073_00343_34966_9868.N1	06-NOV-2008 20:08:16	Bright	38.500	73	57Gam1And	2.2600	13100.	77	34966	No
170	GOM_NL__2PRFIN20081106_201207_000000372073_00343_34966_9869.N1	06-NOV-2008 20:12:07	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	34966	No
171	GOM_NL__2PRFIN20081106_202118_000000382073_00343_34966_9870.N1	06-NOV-2008 20:21:18	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	34966	No
172	GOM_NL__2PRFIN20081106_202523_000000372073_00343_34966_9871.N1	06-NOV-2008 20:25:23	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	34966	No
173	GOM_NL__2PRFIN20081106_202918_000000432073_00343_34966_9872.N1	06-NOV-2008 20:29:18	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	34966	No
174	GOM_NL__2PRFIN20081106_203055_000000402073_00343_34966_9873.N1	06-NOV-2008 20:30:55	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	34966	No
175	GOM_NL__2PRFIN20081106_203444_000000412073_00343_34966_9874.N1	06-NOV-2008 20:34:44	Bright	40.500	174	52Psi UMa	3.0040	4400.0	81	34966	No
176	GOM_NL__2PRFIN20081106_204232_000000402073_00343_34966_9875.N1	06-NOV-2008 20:42:32	Bright	40.000	96	68Del Leo	2.5600	9300.0	80	34966	No
177	GOM_NL__2PRFIN20081106_210239_000000402073_00343_34966_9876.N1	06-NOV-2008 21:02:39	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	34966	No
178	GOM_NL__2PRFIN20081106_210850_000000382073_00344_34967_9870.N1	06-NOV-2008 21:08:50	Dark	38.000	29	Bet Car	1.6720	10200.	76	34967	No
179	GOM_NL__2PRFIN20081106_211442_000000622073_00344_34967_9871.N1	06-NOV-2008 21:14:42	Dark	62.000	2	Alp Car	-0.73600	7000.0	124	34967	No
180	GOM_NL__2PRFIN20081106_212420_000000392073_00344_34967_9872.N1	06-NOV-2008 21:24:20	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	34967	No
181	GOM_NL__2PRFIN20081106_214235_000000382073_00344_34967_9873.N1	06-NOV-2008 21:42:35	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	34967	No
182	GOM_NL__2PRFIN20081106_214647_000000382073_00344_34967_9874.N1	06-NOV-2008 21:46:47	Bright	37.500	53	43Bet And	2.0480	3300.0	75	34967	No
183	GOM_NL__2PRFIN20081106_214852_000000382073_00344_34967_9875.N1	06-NOV-2008 21:48:52	Bright	37.500	73	57Gam1And	2.2600	13100.	75	34967	No
184	GOM_NL__2PRFIN20081106_215243_000000362073_00344_34967_9876.N1	06-NOV-2008 21:52:43	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	34967	No
185	GOM_NL__2PRFIN20081106_220154_000000362073_00344_34967_9877.N1	06-NOV-2008 22:01:54	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34967	No
186	GOM_NL__2PRFIN20081106_220559_000000372073_00344_34967_9878.N1	06-NOV-2008 22:05:59	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	34967	No
187	GOM_NL__2PRFIN20081106_220953_000000402073_00344_34967_9879.N1	06-NOV-2008 22:09:53	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	34967	No
188	GOM_NL__2PRFIN20081106_221131_000000482073_00344_34967_9880.N1	06-NOV-2008 22:11:31	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	34967	No
189	GOM_NL__2PRFIN20081106_221520_000000402073_00344_34967_9881.N1	06-NOV-2008 22:15:20	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	34967	No
190	GOM_NL__2PRFIN20081106_222309_000000402073_00344_34967_9882.N1	06-NOV-2008 22:23:09	Bright	40.000	96	68Del Leo	2.5600	9300.0	80	34967	No
191	GOM_NL__2PRFIN20081106_224315_000000382073_00344_34967_9883.N1	06-NOV-2008 22:43:15	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	34967	No
192	GOM_NL__2PRFIN20081106_224927_000000392073_00345_34968_9877.N1	06-NOV-2008 22:49:27	Dark	38.500	29	Bet Car	1.6720	10200.	77	34968	No
193	GOM_NL__2PRFIN20081106_225518_000000622073_00345_34968_9878.N1	06-NOV-2008 22:55:18	Dark	61.500	2	Alp Car	-0.73600	7000.0	123	34968	No
194	GOM_NL__2PRFIN20081106_230456_000000392073_00345_34968_9879.N1	06-NOV-2008 23:04:56	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	34968	No
195	GOM_NL__2PRFIN20081106_232311_000000372073_00345_34968_9880.N1	06-NOV-2008 23:23:11	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	34968	No
196	GOM_NL__2PRFIN20081106_232722_000000382073_00345_34968_9881.N1	06-NOV-2008 23:27:22	Bright	38.000	53	43Bet And	2.0480	3300.0	76	34968	No
197	GOM_NL__2PRFIN20081106_232928_000000382073_00345_34968_9882.N1	06-NOV-2008 23:29:28	Bright	38.000	73	57Gam1And	2.2600	13100.	76	34968	No
198	GOM_NL__2PRFIN20081106_233319_000000362073_00345_34968_9883.N1	06-NOV-2008 23:33:19	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	34968	No
199	GOM_NL__2PRFIN20081106_234230_000000352073_00345_34968_9884.N1	06-NOV-2008 23:42:30	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34968	No
200	GOM_NL__2PRFIN20081106_234635_000000372073_00345_34968_9885.N1	06-NOV-2008 23:46:35	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	34968	No
201	GOM_NL__2PRFIN20081106_235029_000000372073_00345_34968_9886.N1	06-NOV-2008 23:50:29	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	34968	No
202	GOM_NL__2PRFIN20081106_235207_000000522073_00345_34968_9887.N1	06-NOV-2008 23:52:07	Bright	51.500	82	48Bet UMa	2.3650	10600.	103	34968	No
203	GOM_NL__2PRFIN20081106_235556_000000392073_00345_34968_9888.N1	06-NOV-2008 23:55:56	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	34968	No

3. Quality information per product

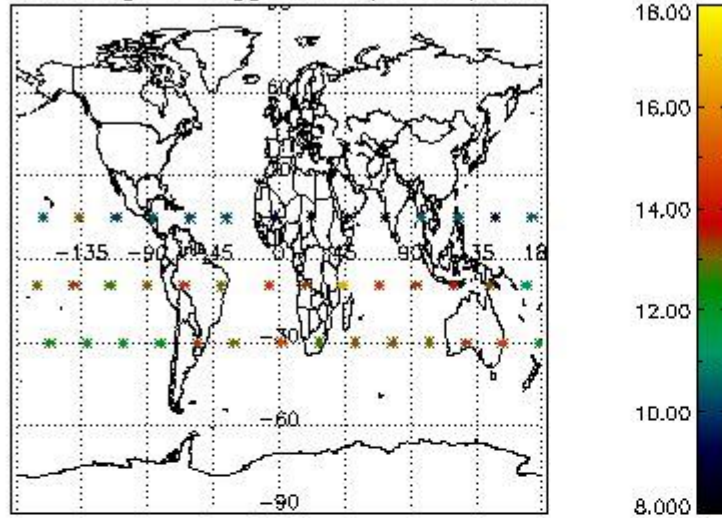
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

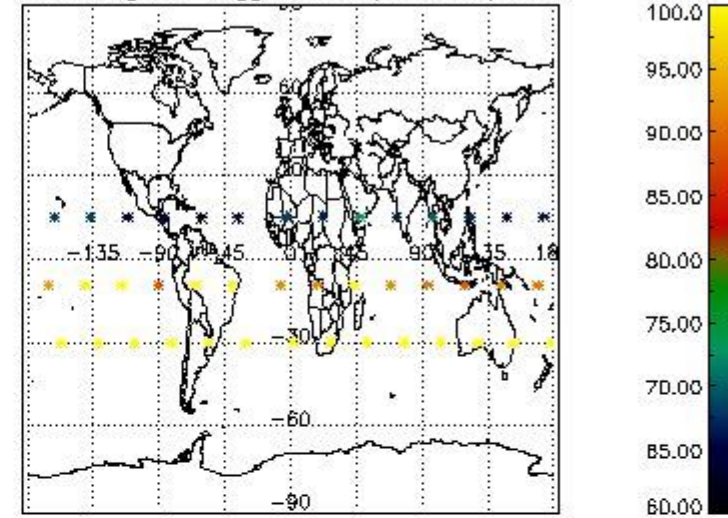


3.2 Plot quality information per product (world map)

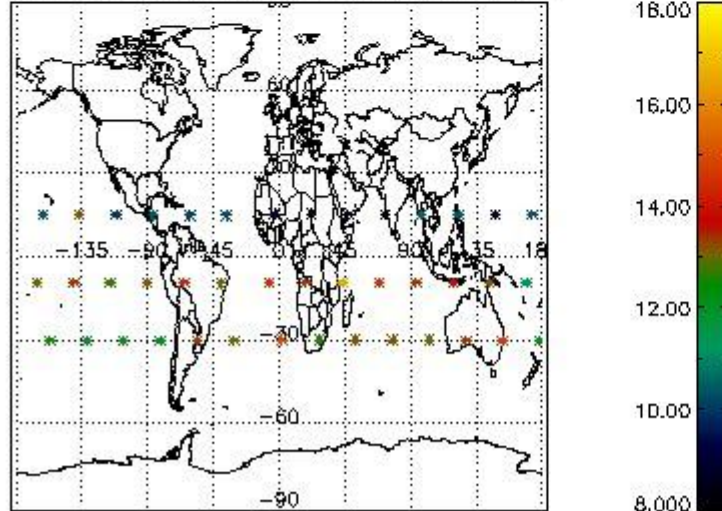
Percentage of flagged data per O3 profile



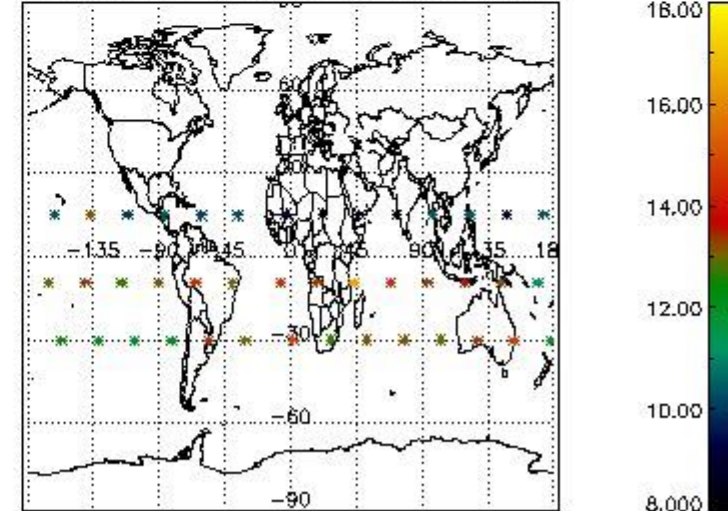
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

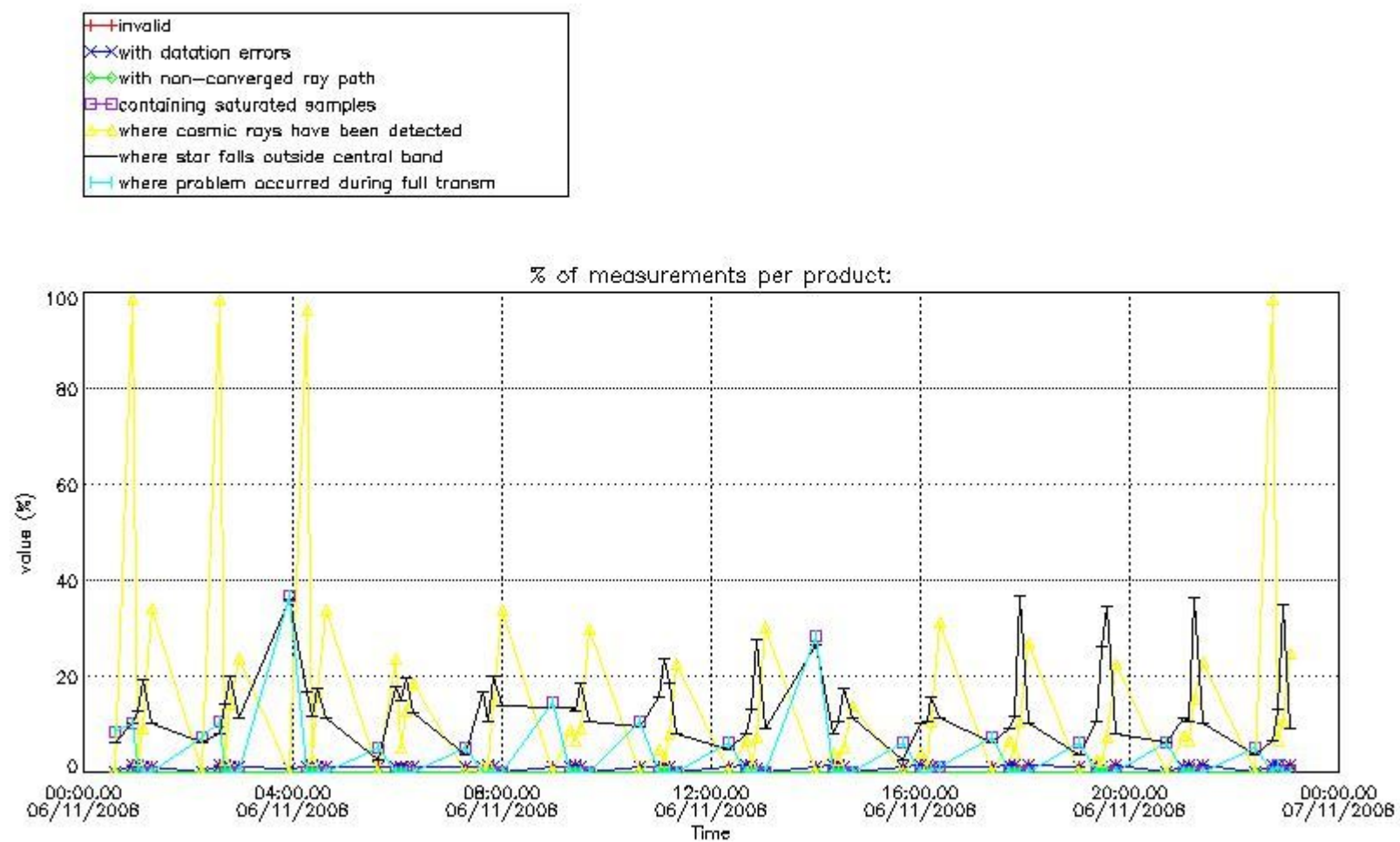


4. Level 1 quality information per product

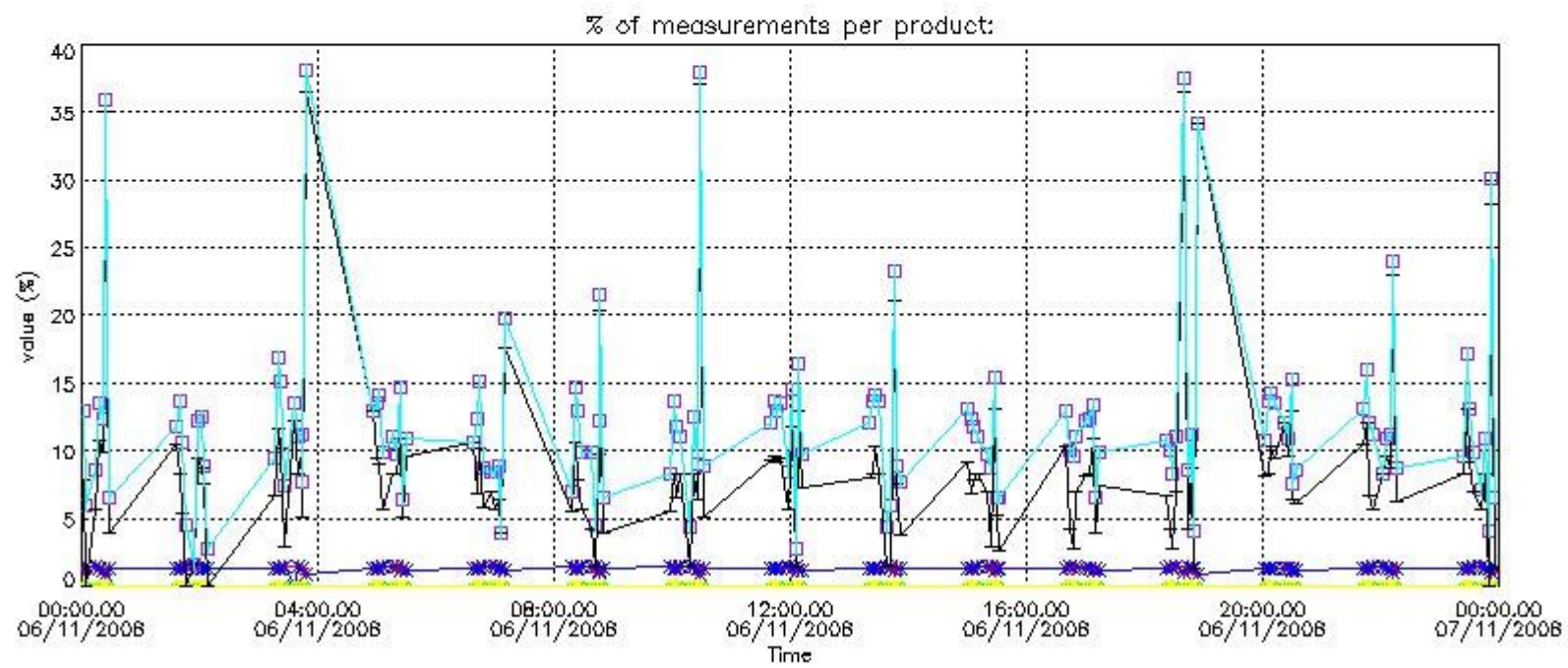
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



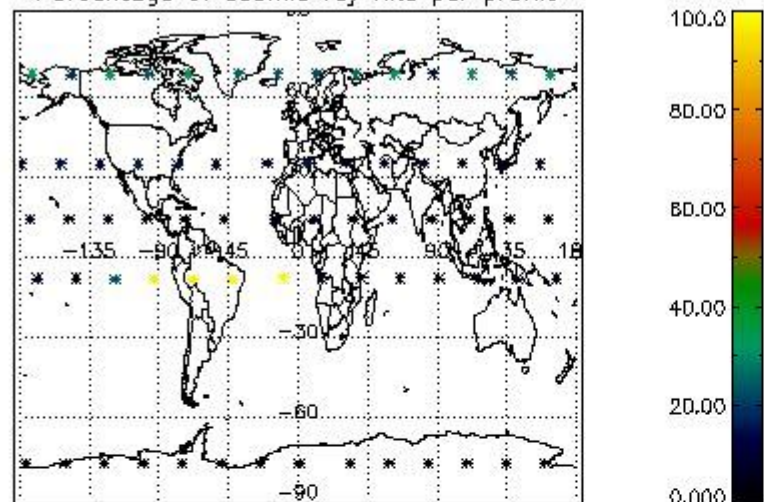
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



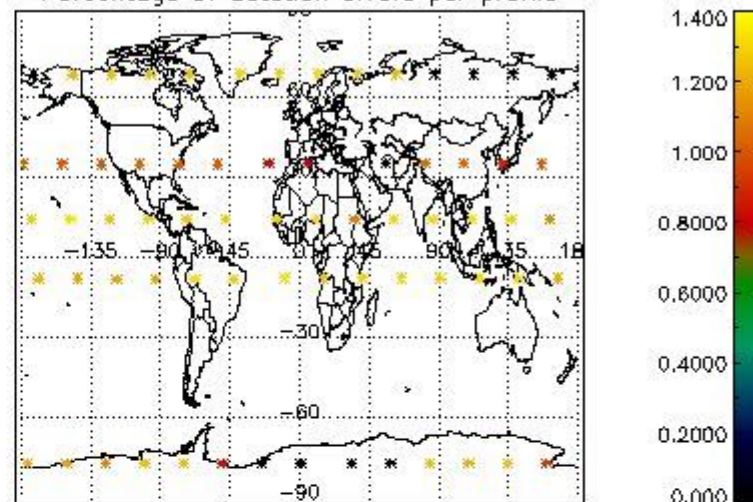
4.2 Plot quality information per product coming from level 1b processing (world map)

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

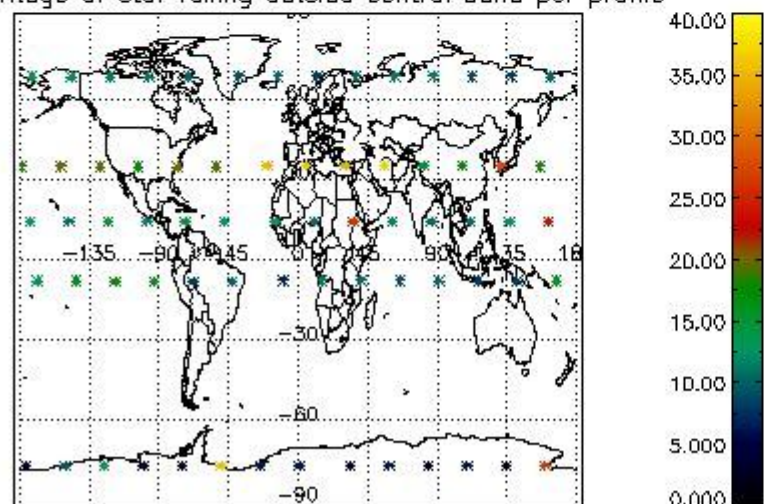
Percentage of cosmic ray hits per profile



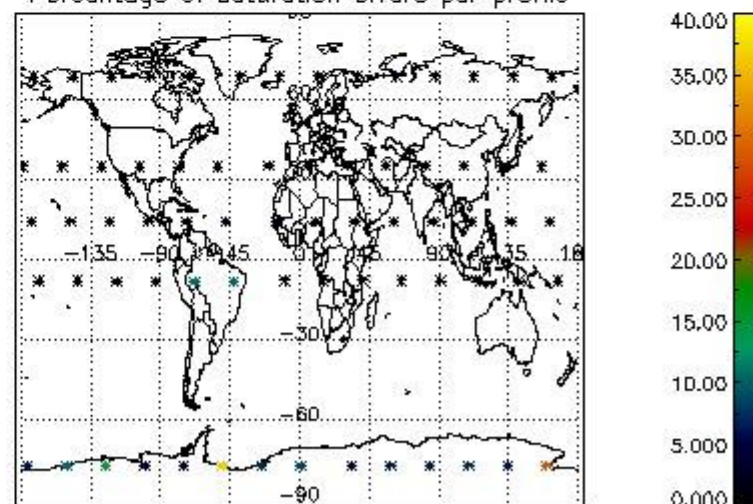
Percentage of datation errors per profile



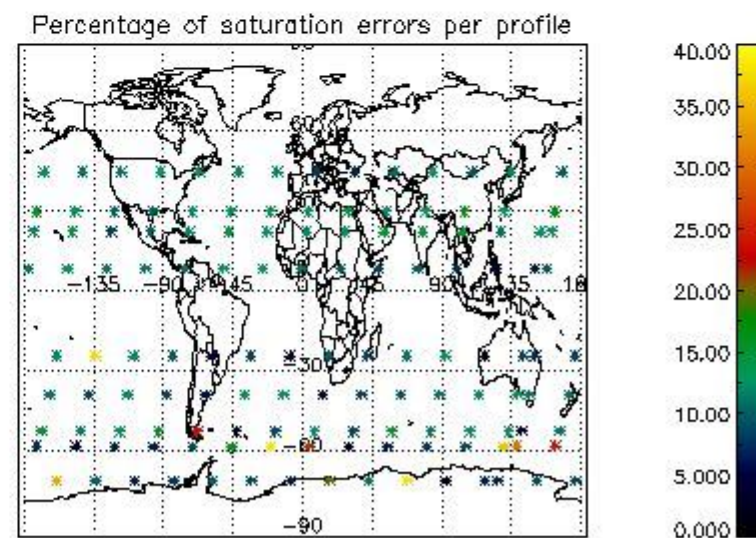
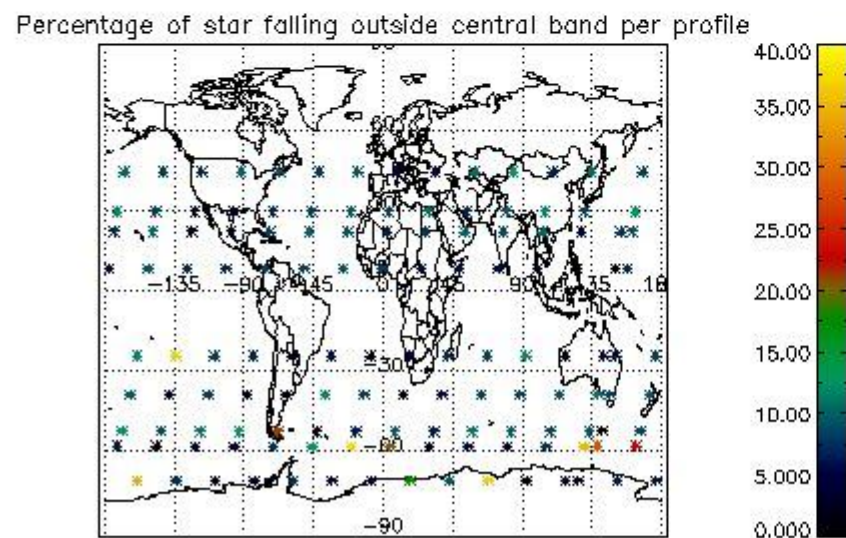
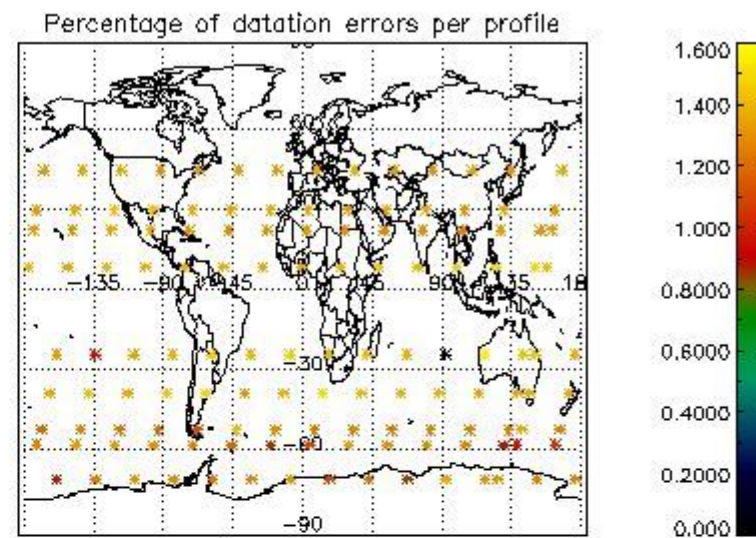
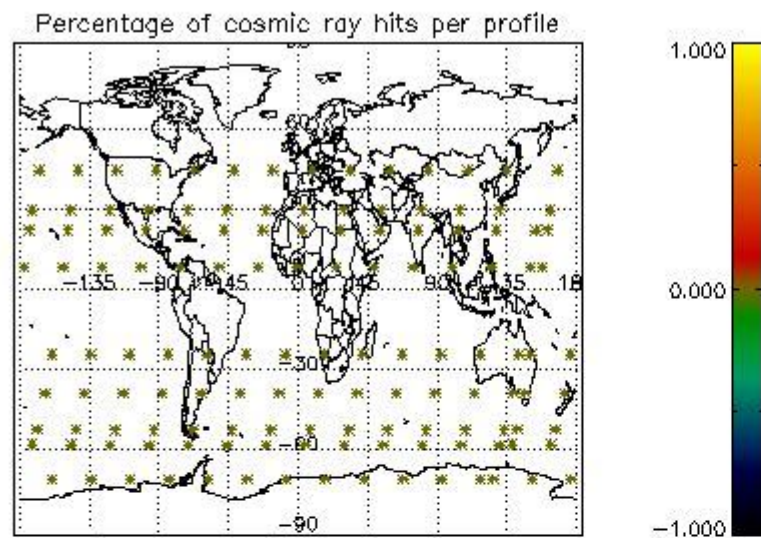
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

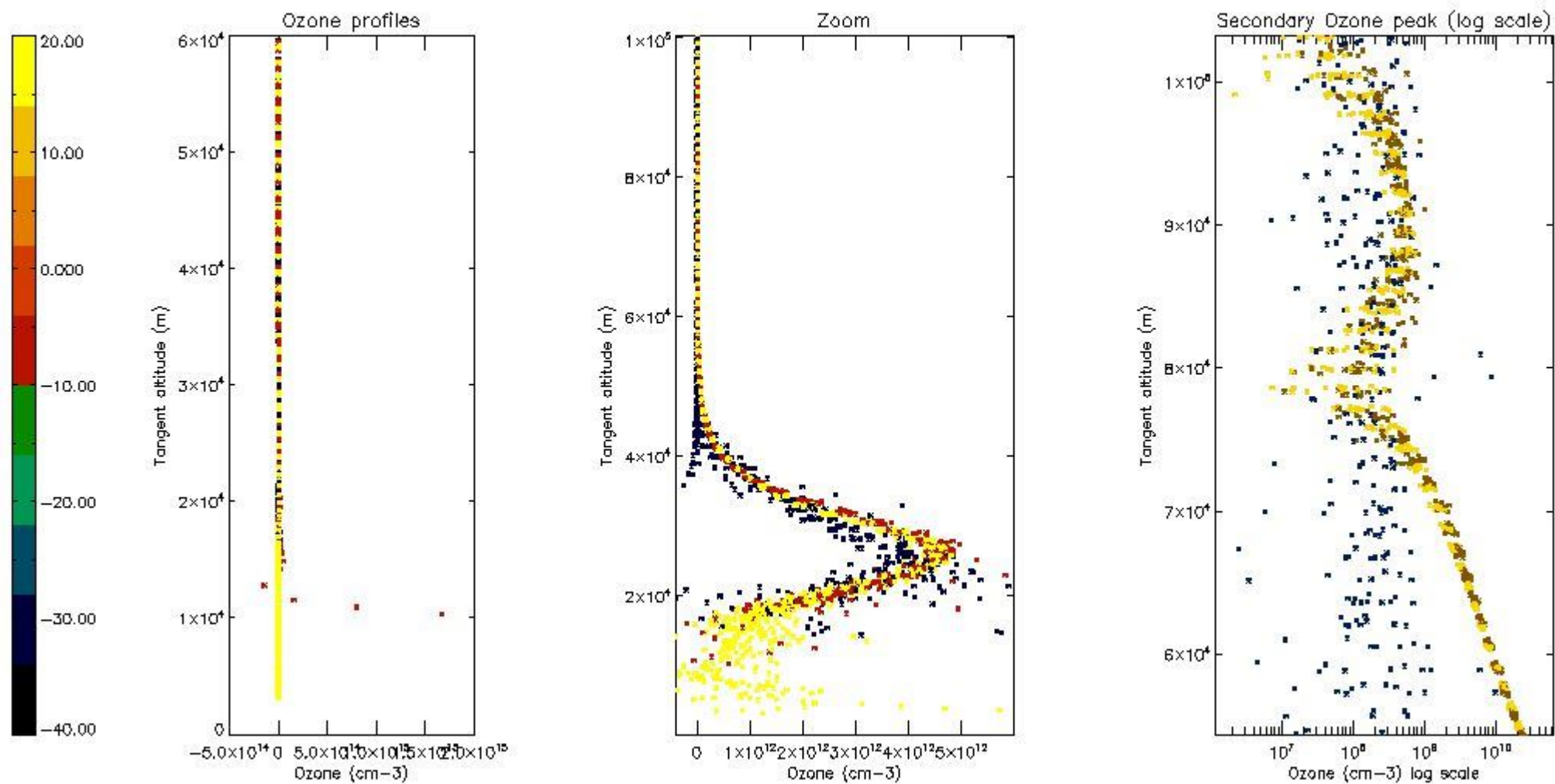
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	13

STD < 10	10
STD < 5	7

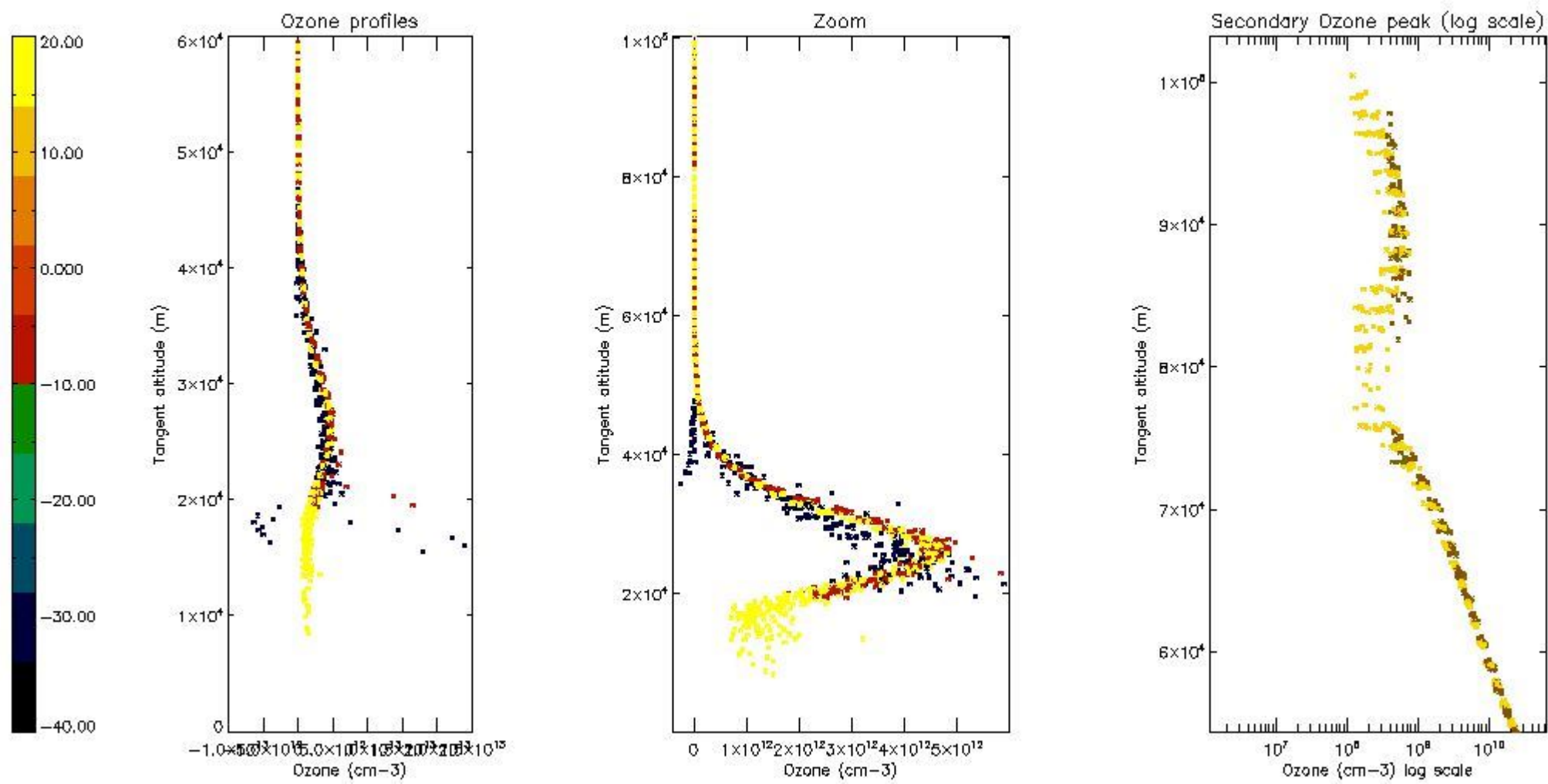
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



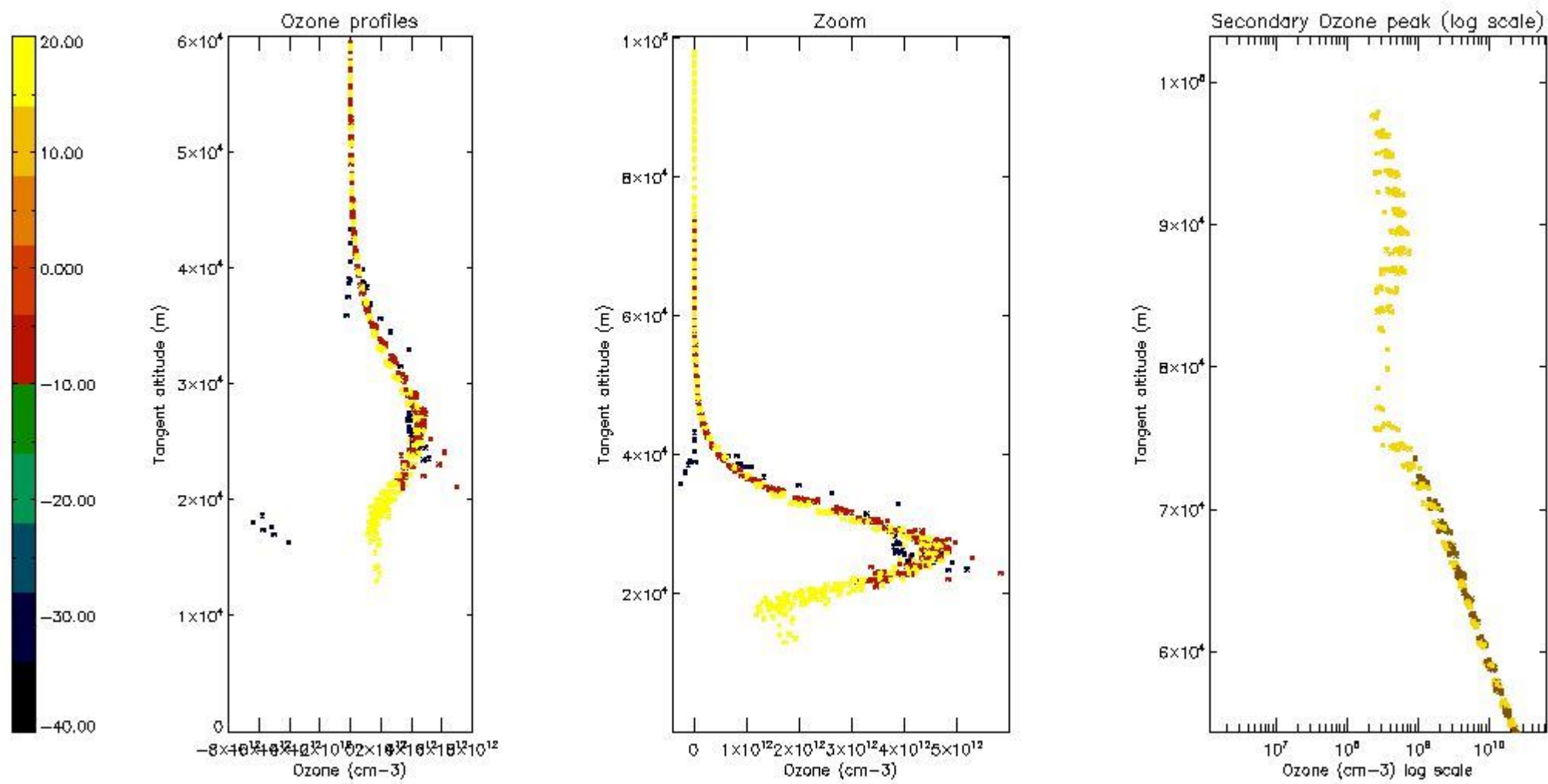
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



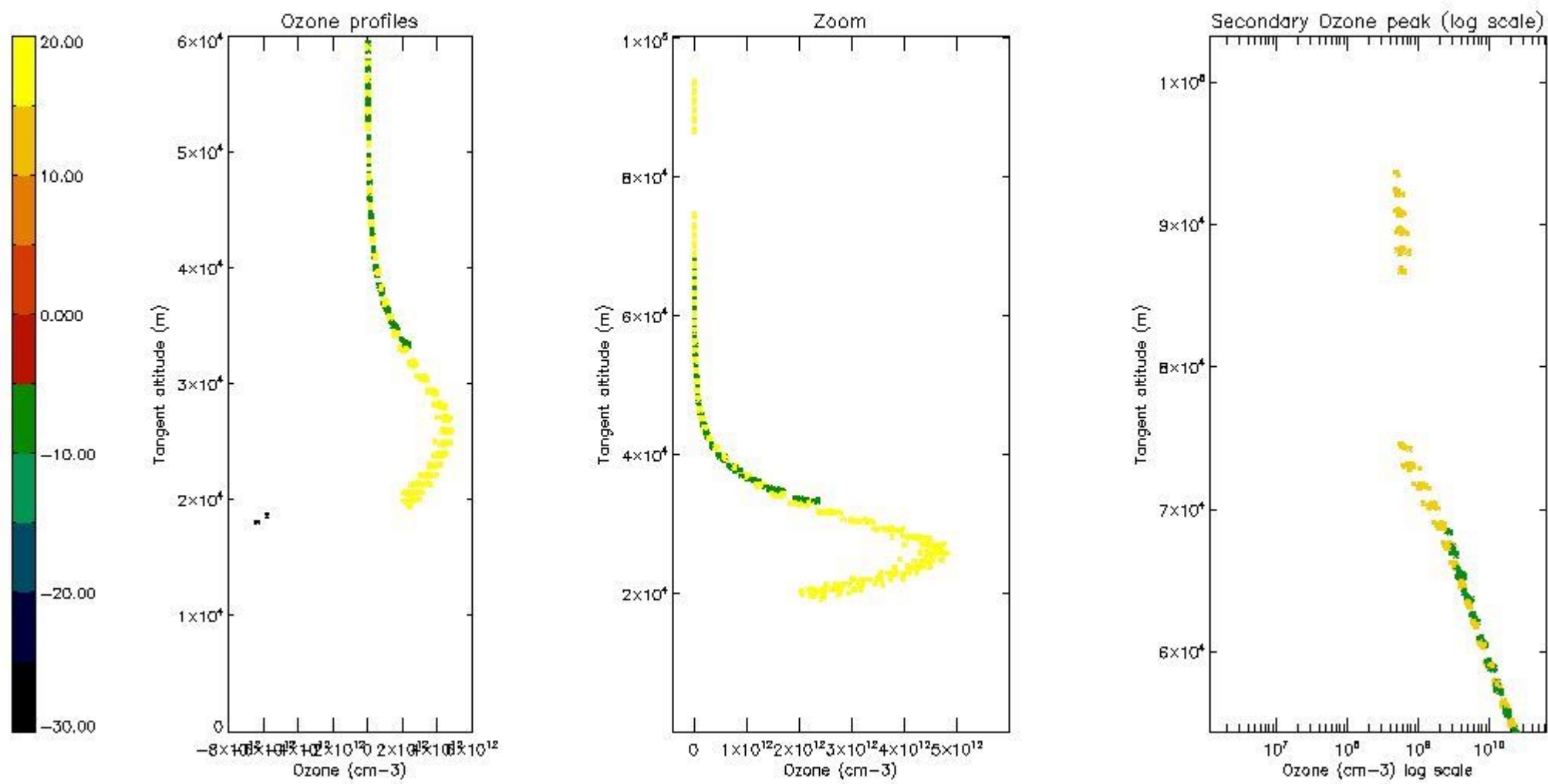
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



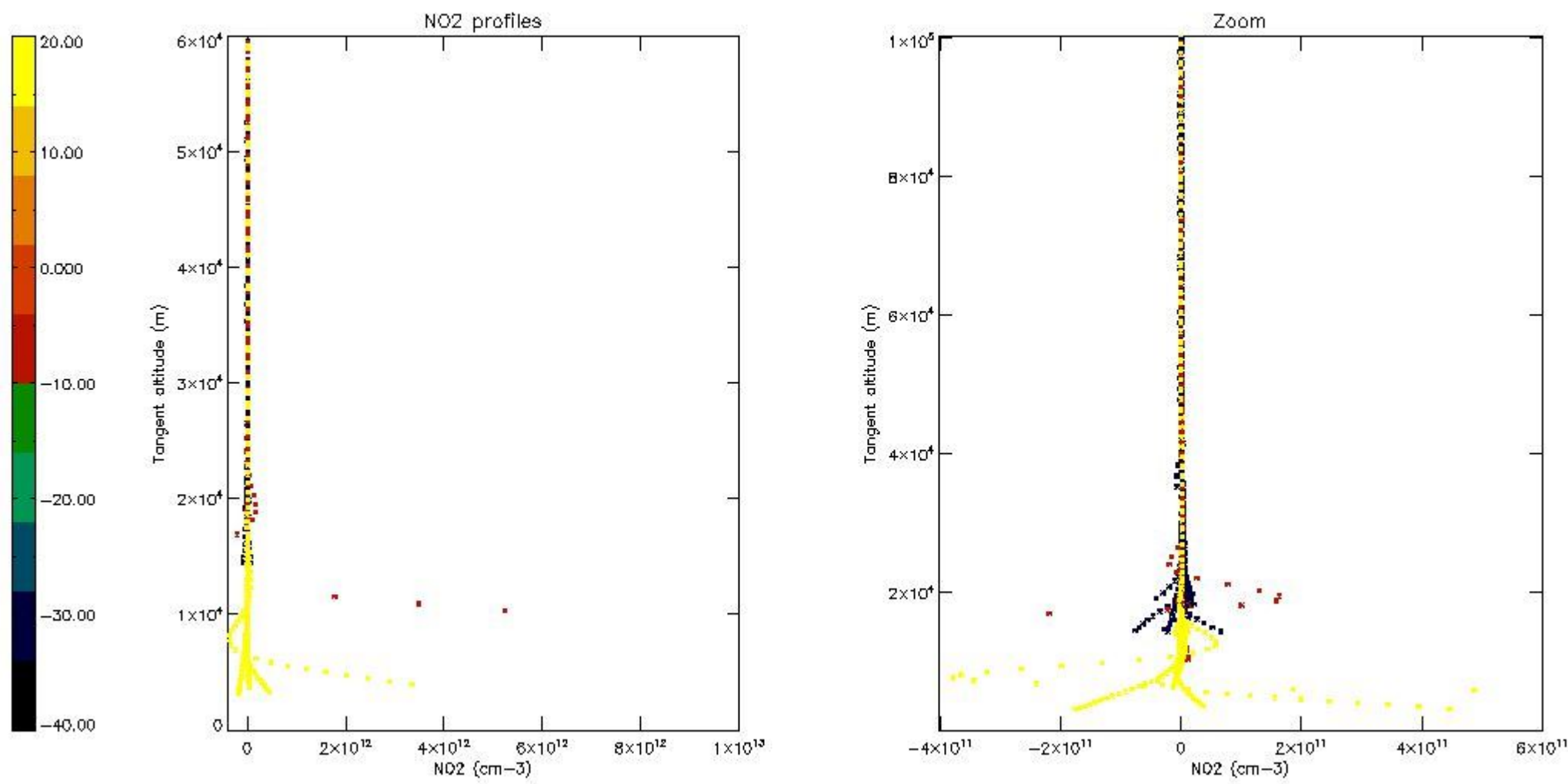
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



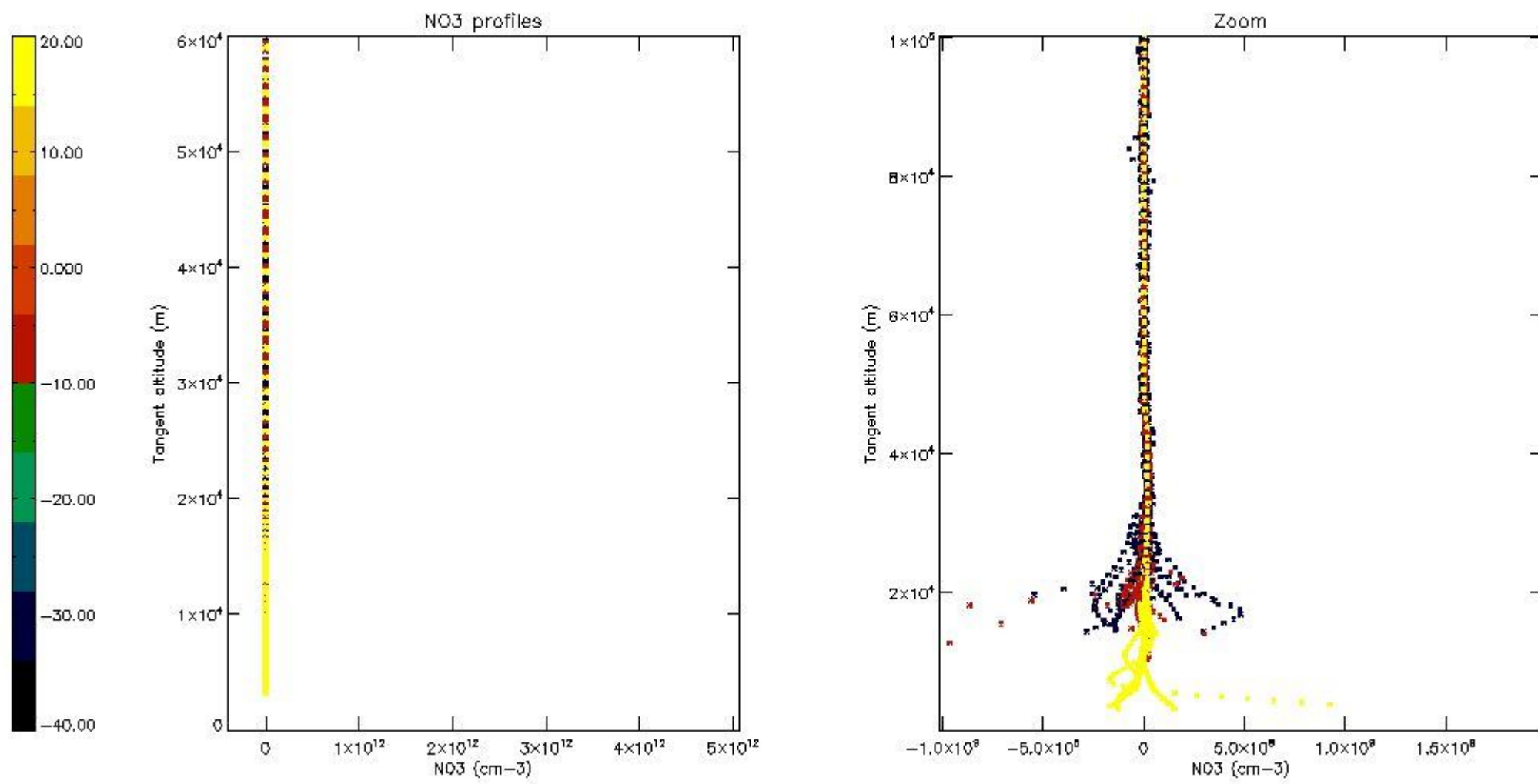
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



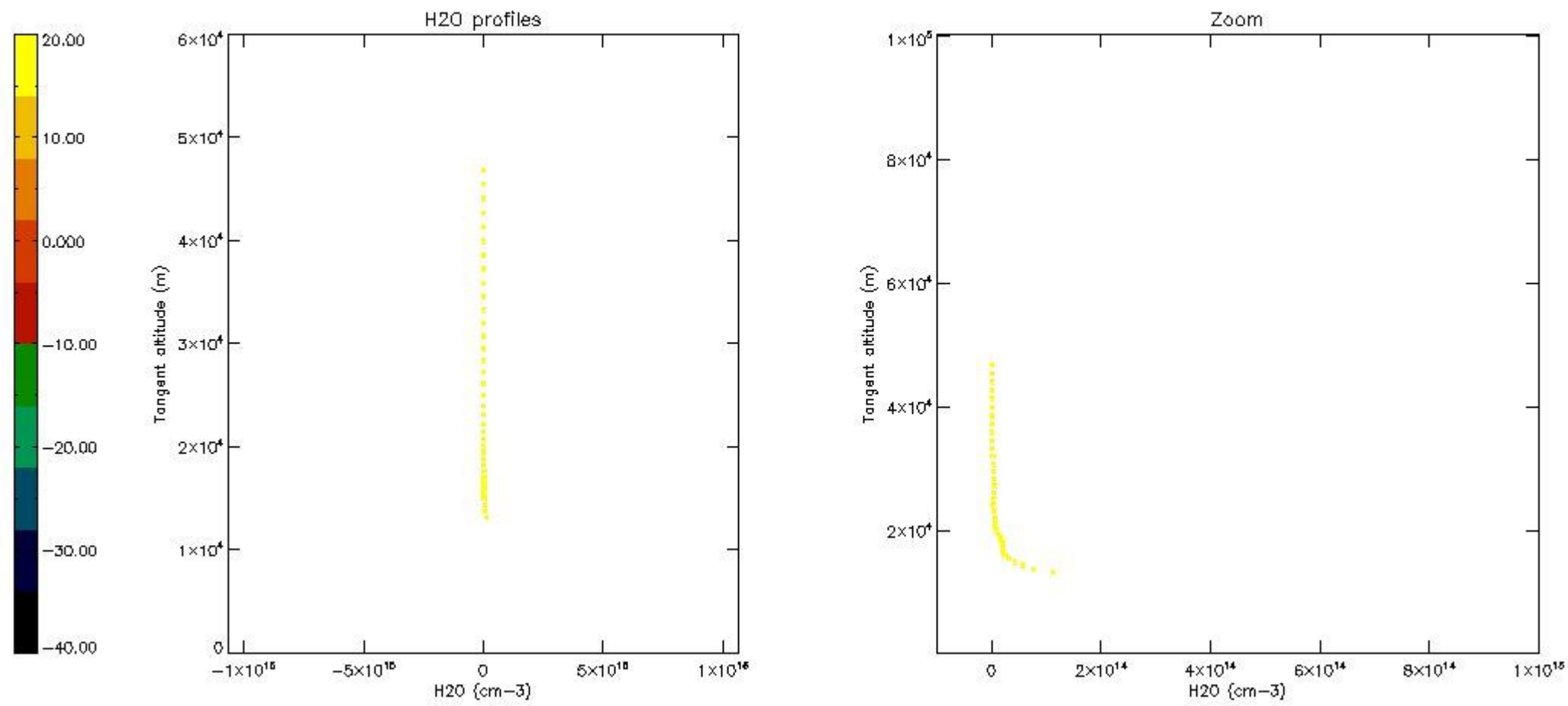
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-NOV-2008 00:01:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-NOV-2008 00:01:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-NOV-2008 00:01:07

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](#)

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[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	25APR2013 21:46:20
Data source version	GOMOS/6.01
Start time of products	06-11-2008 (06NOV2008 00:00:00)
Stop time of products	07-11-2008 (07NOV2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	203
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

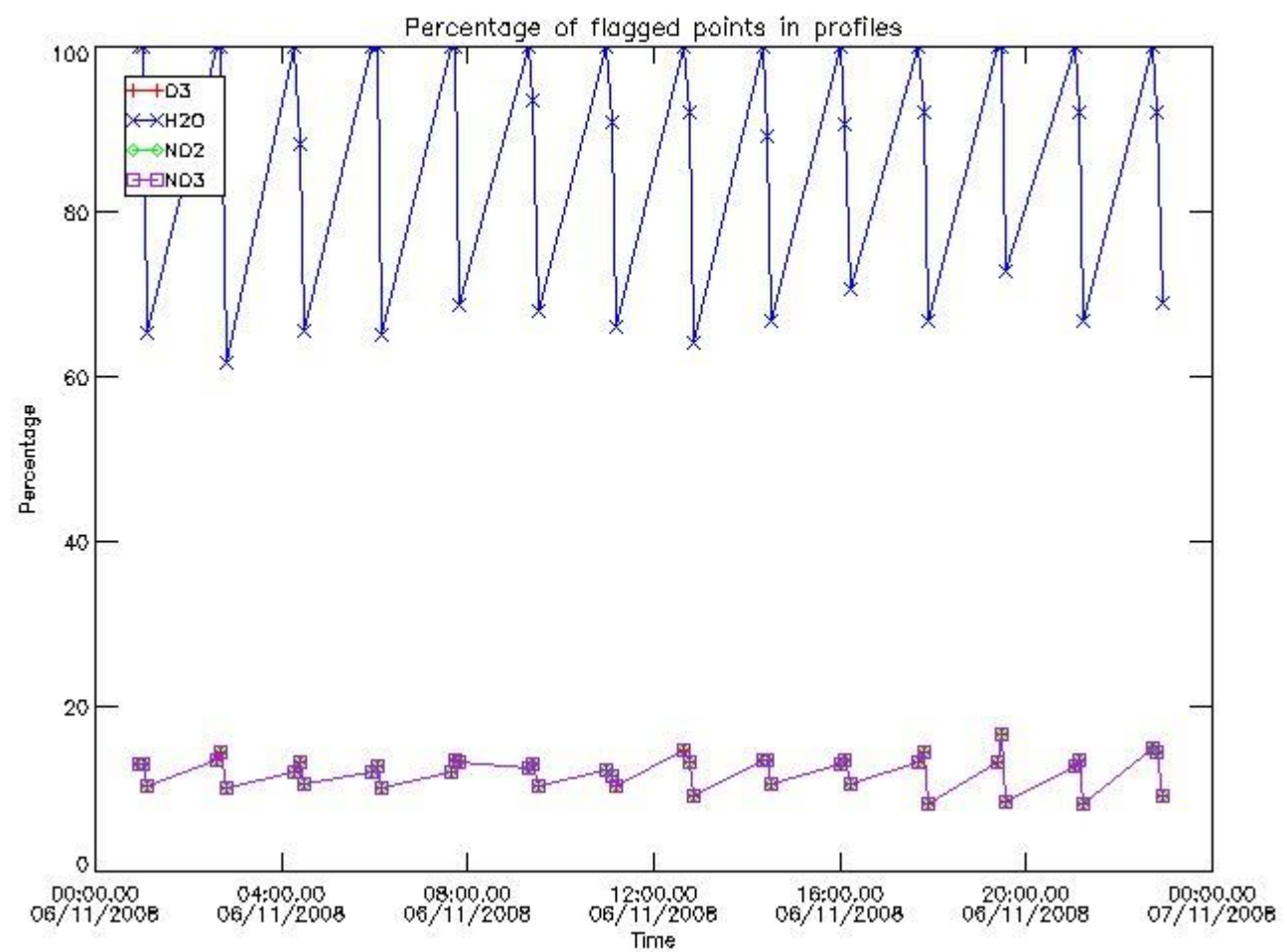
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081106_000107_000000392073_00331_34954_9692.N1	06-NOV-2008 00:01:07	Bright	38.500	73	57Gam1And	2.2600	13100.	77	34954	No
2	GOM_NL__2PRFIN20081106_000455_000000342073_00331_34954_9693.N1	06-NOV-2008 00:04:55	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	34954	No
3	GOM_NL__2PRFIN20081106_001407_000000352073_00331_34954_9694.N1	06-NOV-2008 00:14:07	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34954	No
4	GOM_NL__2PRFIN20081106_001810_000000372073_00331_34954_9695.N1	06-NOV-2008 00:18:10	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	34954	No
5	GOM_NL__2PRFIN20081106_002208_000000412073_00331_34954_9696.N1	06-NOV-2008 00:22:08	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	34954	No
6	GOM_NL__2PRFIN20081106_002345_000000572073_00331_34954_9697.N1	06-NOV-2008 00:23:45	Bright	57.000	82	48Bet UMa	2.3650	10600.	114	34954	No
7	GOM_NL__2PRFIN20081106_002733_000000392073_00331_34954_9698.N1	06-NOV-2008 00:27:33	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	34954	No
8	GOM_NL__2PRFIN20081106_003518_000000412073_00331_34954_9699.N1	06-NOV-2008 00:35:18	Bright	41.000	96	68Del Leo	2.5600	9300.0	82	34954	No
9	GOM_NL__2PRFIN20081106_005522_000000392073_00331_34954_9700.N1	06-NOV-2008 00:55:22	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	34954	No
10	GOM_NL__2PRFIN20081106_010135_000000392073_00332_34955_9707.N1	06-NOV-2008 01:01:35	Dark	39.000	29	Bet Car	1.6720	10200.	78	34955	No
11	GOM_NL__2PRFIN20081106_010722_000000502073_00332_34955_9708.N1	06-NOV-2008 01:07:22	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	34955	No
12	GOM_NL__2PRFIN20081106_011705_000000402073_00332_34955_9709.N1	06-NOV-2008 01:17:05	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	34955	No
13	GOM_NL__2PRFIN20081106_013525_000000382073_00332_34955_9710.N1	06-NOV-2008 01:35:25	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	34955	No
14	GOM_NL__2PRFIN20081106_013935_000000372073_00332_34955_9711.N1	06-NOV-2008 01:39:35	Bright	36.500	53	43Bet And	2.0480	3300.0	73	34955	No
15	GOM_NL__2PRFIN20081106_014143_000000382073_00332_34955_9712.N1	06-NOV-2008 01:41:43	Bright	37.500	73	57Gam1And	2.2600	13100.	75	34955	No
16	GOM_NL__2PRFIN20081106_014531_000000332073_00332_34955_9713.N1	06-NOV-2008 01:45:31	Bright	33.000	68	18Alp Cas	2.2250	4500.0	66	34955	No
17	GOM_NL__2PRFIN20081106_015443_000000322073_00332_34955_9714.N1	06-NOV-2008 01:54:43	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	34955	No
18	GOM_NL__2PRFIN20081106_015846_000000372073_00332_34955_9715.N1	06-NOV-2008 01:58:46	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	34955	No
19	GOM_NL__2PRFIN20081106_020244_000000402073_00332_34955_9716.N1	06-NOV-2008 02:02:44	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	34955	No
20	GOM_NL__2PRFIN20081106_020421_000000402073_00332_34955_9717.N1	06-NOV-2008 02:04:21	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	34955	No
21	GOM_NL__2PRFIN20081106_020809_000000372073_00332_34955_9718.N1	06-NOV-2008 02:08:09	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	34955	No
22	GOM_NL__2PRFIN20081106_021554_000000412073_00332_34955_9719.N1	06-NOV-2008 02:15:54	Bright	40.500	96	68Del Leo	2.5600	9300.0	81	34955	No
23	GOM_NL__2PRFIN20081106_023558_000000382073_00332_34955_9720.N1	06-NOV-2008 02:35:58	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	34955	No
24	GOM_NL__2PRFIN20081106_024211_000000392073_00333_34956_9721.N1	06-NOV-2008 02:42:11	Dark	39.000	29	Bet Car	1.6720	10200.	78	34956	No
25	GOM_NL__2PRFIN20081106_024758_000000502073_00333_34956_9722.N1	06-NOV-2008 02:47:58	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	34956	No
26	GOM_NL__2PRFIN20081106_025741_000000402073_00333_34956_9723.N1	06-NOV-2008 02:57:41	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	34956	No
27	GOM_NL__2PRFIN20081106_031600_000000372073_00333_34956_9724.N1	06-NOV-2008 03:16:00	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	34956	No
28	GOM_NL__2PRFIN20081106_032011_000000392073_00333_34956_9725.N1	06-NOV-2008 03:20:11	Bright	38.500	53	43Bet And	2.0480	3300.0	77	34956	No
29	GOM_NL__2PRFIN20081106_032219_000000402073_00333_34956_9726.N1	06-NOV-2008 03:22:19	Bright	39.500	73	57Gam1And	2.2600	13100.	79	34956	No
30	GOM_NL__2PRFIN20081106_032607_000000342073_00333_34956_9727.N1	06-NOV-2008 03:26:07	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	34956	No
31	GOM_NL__2PRFIN20081106_033519_000000372073_00333_34956_9728.N1	06-NOV-2008 03:35:19	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34956	No
32	GOM_NL__2PRFIN20081106_033922_000000362073_00333_34956_9729.N1	06-NOV-2008 03:39:22	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	34956	No
33	GOM_NL__2PRFIN20081106_034320_000000402073_00333_34956_9730.N1	06-NOV-2008 03:43:20	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	34956	No
34	GOM_NL__2PRFIN20081106_034457_000000392073_00333_34956_9731.N1	06-NOV-2008 03:44:57	Bright	39.000	82	48Bet UMa	2.3650	10600.	78	34956	No
35	GOM_NL__2PRFIN20081106_034845_000000592073_00333_34956_9732.N1	06-NOV-2008 03:48:45	Bright	59.000	174	52Psi UMa	3.0040	4400.0	118	34956	No
36	GOM_NL__2PRFIN20081106_035630_000000602073_00333_34956_9733.N1	06-NOV-2008 03:56:30	Bright	60.000	96	68Del Leo	2.5600	9300.0	120	34956	No
37	GOM_NL__2PRFIN20081106_041635_000000422073_00333_34956_9734.N1	06-NOV-2008 04:16:35	Dark	42.000	113	Mu Vel	2.6920	5000.0	84	34956	No
38	GOM_NL__2PRFIN20081106_042248_000000392073_00334_34957_9735.N1	06-NOV-2008 04:22:48	Dark	38.500	29	Bet Car	1.6720	10200.	77	34957	No
39	GOM_NL__2PRFIN20081106_042835_000000492073_00334_34957_9736.N1	06-NOV-2008 04:28:35	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	34957	No
40	GOM_NL__2PRFIN20081106_043818_000000402073_00334_34957_9737.N1	06-NOV-2008 04:38:18	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	34957	No
41	GOM_NL__2PRFIN20081106_045636_000000392073_00334_34957_9738.N1	06-NOV-2008 04:56:36	Bright	38.500	105	6Bet Ari	2.6450	8900.0	77	34957	No
42	GOM_NL__2PRFIN20081106_050047_000000372073_00334_34957_9739.N1	06-NOV-2008 05:00:47	Bright	37.000	53	43Bet And	2.0480	3300.0	74	34957	No

161	GOM_NL__2PRFIN20081106_185408_000000572073_00342_34965_9867.N1	06-NOV-2008 18:54:08	Bright	57.000	174	52Psi UMa	3.0040	4400.0	114	34965	No
162	GOM_NL__2PRFIN20081106_190156_000000402073_00342_34965_9868.N1	06-NOV-2008 19:01:56	Bright	40.000	96	68Del Leo	2.5600	9300.0	80	34965	No
163	GOM_NL__2PRFIN20081106_192203_000000392073_00342_34965_9869.N1	06-NOV-2008 19:22:03	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	34965	No
164	GOM_NL__2PRFIN20081106_192814_000000462073_00343_34966_9863.N1	06-NOV-2008 19:28:14	Dark	46.000	29	Bet Car	1.6720	10200.	92	34966	No
165	GOM_NL__2PRFIN20081106_193405_000000612073_00343_34966_9864.N1	06-NOV-2008 19:34:05	Dark	60.500	2	Alp Car	-0.73600	7000.0	121	34966	No
166	GOM_NL__2PRFIN20081106_194344_000000382073_00343_34966_9865.N1	06-NOV-2008 19:43:44	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	34966	No
167	GOM_NL__2PRFIN20081106_200159_000000372073_00343_34966_9866.N1	06-NOV-2008 20:01:59	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	34966	No
168	GOM_NL__2PRFIN20081106_200611_000000372073_00343_34966_9867.N1	06-NOV-2008 20:06:11	Bright	36.500	53	43Bet And	2.0480	3300.0	73	34966	No
169	GOM_NL__2PRFIN20081106_200816_000000392073_00343_34966_9868.N1	06-NOV-2008 20:08:16	Bright	38.500	73	57Gam1And	2.2600	13100.	77	34966	No
170	GOM_NL__2PRFIN20081106_201207_000000372073_00343_34966_9869.N1	06-NOV-2008 20:12:07	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	34966	No
171	GOM_NL__2PRFIN20081106_202118_000000382073_00343_34966_9870.N1	06-NOV-2008 20:21:18	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	34966	No
172	GOM_NL__2PRFIN20081106_202523_000000372073_00343_34966_9871.N1	06-NOV-2008 20:25:23	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	34966	No
173	GOM_NL__2PRFIN20081106_202918_000000432073_00343_34966_9872.N1	06-NOV-2008 20:29:18	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	34966	No
174	GOM_NL__2PRFIN20081106_203055_000000402073_00343_34966_9873.N1	06-NOV-2008 20:30:55	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	34966	No
175	GOM_NL__2PRFIN20081106_203444_000000412073_00343_34966_9874.N1	06-NOV-2008 20:34:44	Bright	40.500	174	52Psi UMa	3.0040	4400.0	81	34966	No
176	GOM_NL__2PRFIN20081106_204232_000000402073_00343_34966_9875.N1	06-NOV-2008 20:42:32	Bright	40.000	96	68Del Leo	2.5600	9300.0	80	34966	No
177	GOM_NL__2PRFIN20081106_210239_000000402073_00343_34966_9876.N1	06-NOV-2008 21:02:39	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	34966	No
178	GOM_NL__2PRFIN20081106_210850_000000382073_00344_34967_9870.N1	06-NOV-2008 21:08:50	Dark	38.000	29	Bet Car	1.6720	10200.	76	34967	No
179	GOM_NL__2PRFIN20081106_211442_000000622073_00344_34967_9871.N1	06-NOV-2008 21:14:42	Dark	62.000	2	Alp Car	-0.73600	7000.0	124	34967	No
180	GOM_NL__2PRFIN20081106_212420_000000392073_00344_34967_9872.N1	06-NOV-2008 21:24:20	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	34967	No
181	GOM_NL__2PRFIN20081106_214235_000000382073_00344_34967_9873.N1	06-NOV-2008 21:42:35	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	34967	No
182	GOM_NL__2PRFIN20081106_214647_000000382073_00344_34967_9874.N1	06-NOV-2008 21:46:47	Bright	37.500	53	43Bet And	2.0480	3300.0	75	34967	No
183	GOM_NL__2PRFIN20081106_214852_000000382073_00344_34967_9875.N1	06-NOV-2008 21:48:52	Bright	37.500	73	57Gam1And	2.2600	13100.	75	34967	No
184	GOM_NL__2PRFIN20081106_215243_000000362073_00344_34967_9876.N1	06-NOV-2008 21:52:43	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	34967	No
185	GOM_NL__2PRFIN20081106_220154_000000362073_00344_34967_9877.N1	06-NOV-2008 22:01:54	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34967	No
186	GOM_NL__2PRFIN20081106_220559_000000372073_00344_34967_9878.N1	06-NOV-2008 22:05:59	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	34967	No
187	GOM_NL__2PRFIN20081106_220953_000000402073_00344_34967_9879.N1	06-NOV-2008 22:09:53	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	34967	No
188	GOM_NL__2PRFIN20081106_221131_000000482073_00344_34967_9880.N1	06-NOV-2008 22:11:31	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	34967	No
189	GOM_NL__2PRFIN20081106_221520_000000402073_00344_34967_9881.N1	06-NOV-2008 22:15:20	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	34967	No
190	GOM_NL__2PRFIN20081106_222309_000000402073_00344_34967_9882.N1	06-NOV-2008 22:23:09	Bright	40.000	96	68Del Leo	2.5600	9300.0	80	34967	No
191	GOM_NL__2PRFIN20081106_224315_000000382073_00344_34967_9883.N1	06-NOV-2008 22:43:15	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	34967	No
192	GOM_NL__2PRFIN20081106_224927_000000392073_00345_34968_9877.N1	06-NOV-2008 22:49:27	Dark	38.500	29	Bet Car	1.6720	10200.	77	34968	No
193	GOM_NL__2PRFIN20081106_225518_000000622073_00345_34968_9878.N1	06-NOV-2008 22:55:18	Dark	61.500	2	Alp Car	-0.73600	7000.0	123	34968	No
194	GOM_NL__2PRFIN20081106_230456_000000392073_00345_34968_9879.N1	06-NOV-2008 23:04:56	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	34968	No
195	GOM_NL__2PRFIN20081106_232311_000000372073_00345_34968_9880.N1	06-NOV-2008 23:23:11	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	34968	No
196	GOM_NL__2PRFIN20081106_232722_000000382073_00345_34968_9881.N1	06-NOV-2008 23:27:22	Bright	38.000	53	43Bet And	2.0480	3300.0	76	34968	No
197	GOM_NL__2PRFIN20081106_232928_000000382073_00345_34968_9882.N1	06-NOV-2008 23:29:28	Bright	38.000	73	57Gam1And	2.2600	13100.	76	34968	No
198	GOM_NL__2PRFIN20081106_233319_000000362073_00345_34968_9883.N1	06-NOV-2008 23:33:19	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	34968	No
199	GOM_NL__2PRFIN20081106_234230_000000352073_00345_34968_9884.N1	06-NOV-2008 23:42:30	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34968	No
200	GOM_NL__2PRFIN20081106_234635_000000372073_00345_34968_9885.N1	06-NOV-2008 23:46:35	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	34968	No
201	GOM_NL__2PRFIN20081106_235029_000000372073_00345_34968_9886.N1	06-NOV-2008 23:50:29	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	34968	No
202	GOM_NL__2PRFIN20081106_235207_000000522073_00345_34968_9887.N1	06-NOV-2008 23:52:07	Bright	51.500	82	48Bet UMa	2.3650	10600.	103	34968	No
203	GOM_NL__2PRFIN20081106_235556_000000392073_00345_34968_9888.N1	06-NOV-2008 23:55:56	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	34968	No

3. Quality information per product

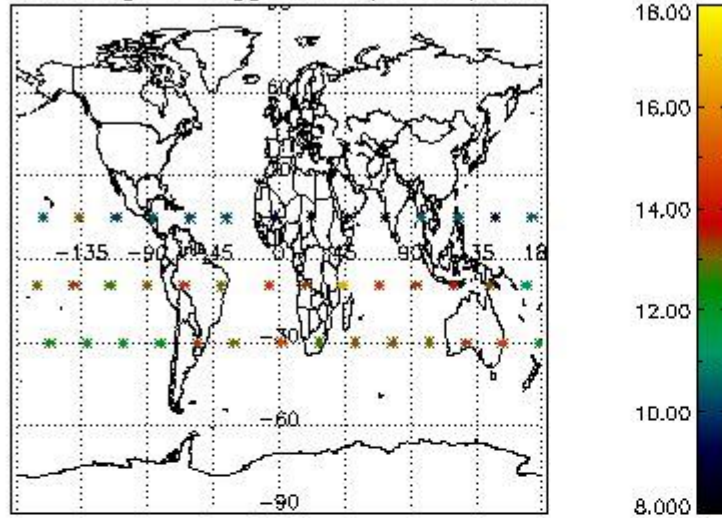
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

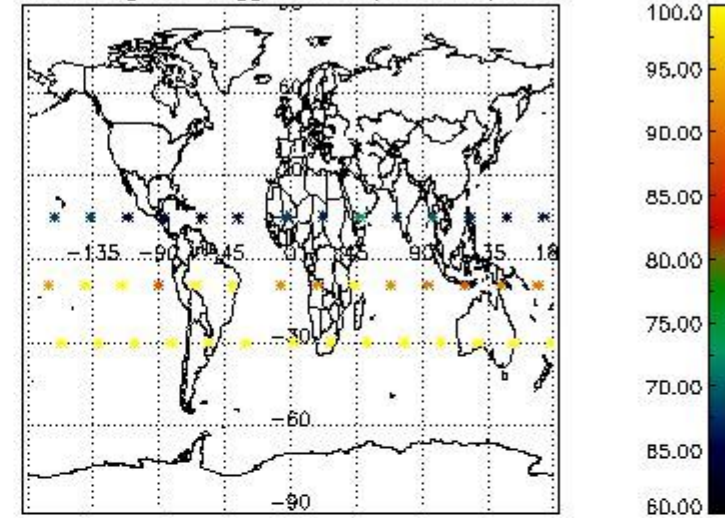


3.2 Plot quality information per product (world map)

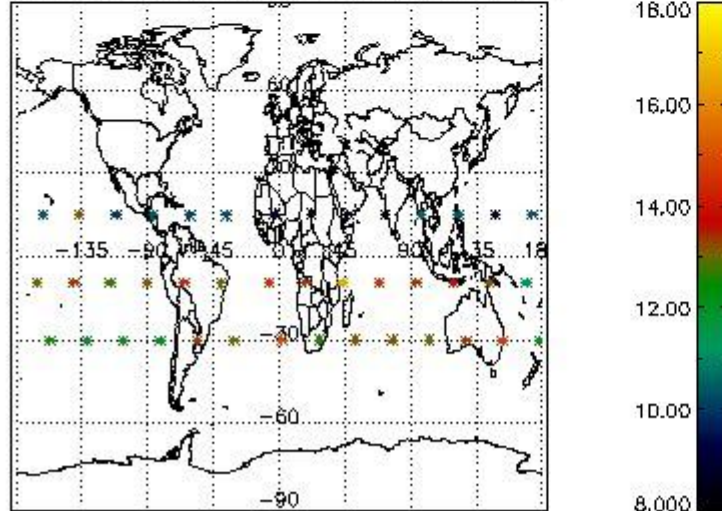
Percentage of flagged data per O3 profile



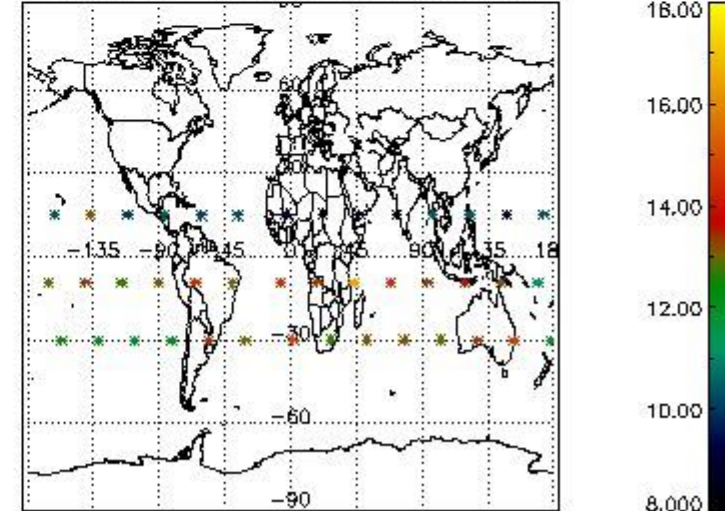
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

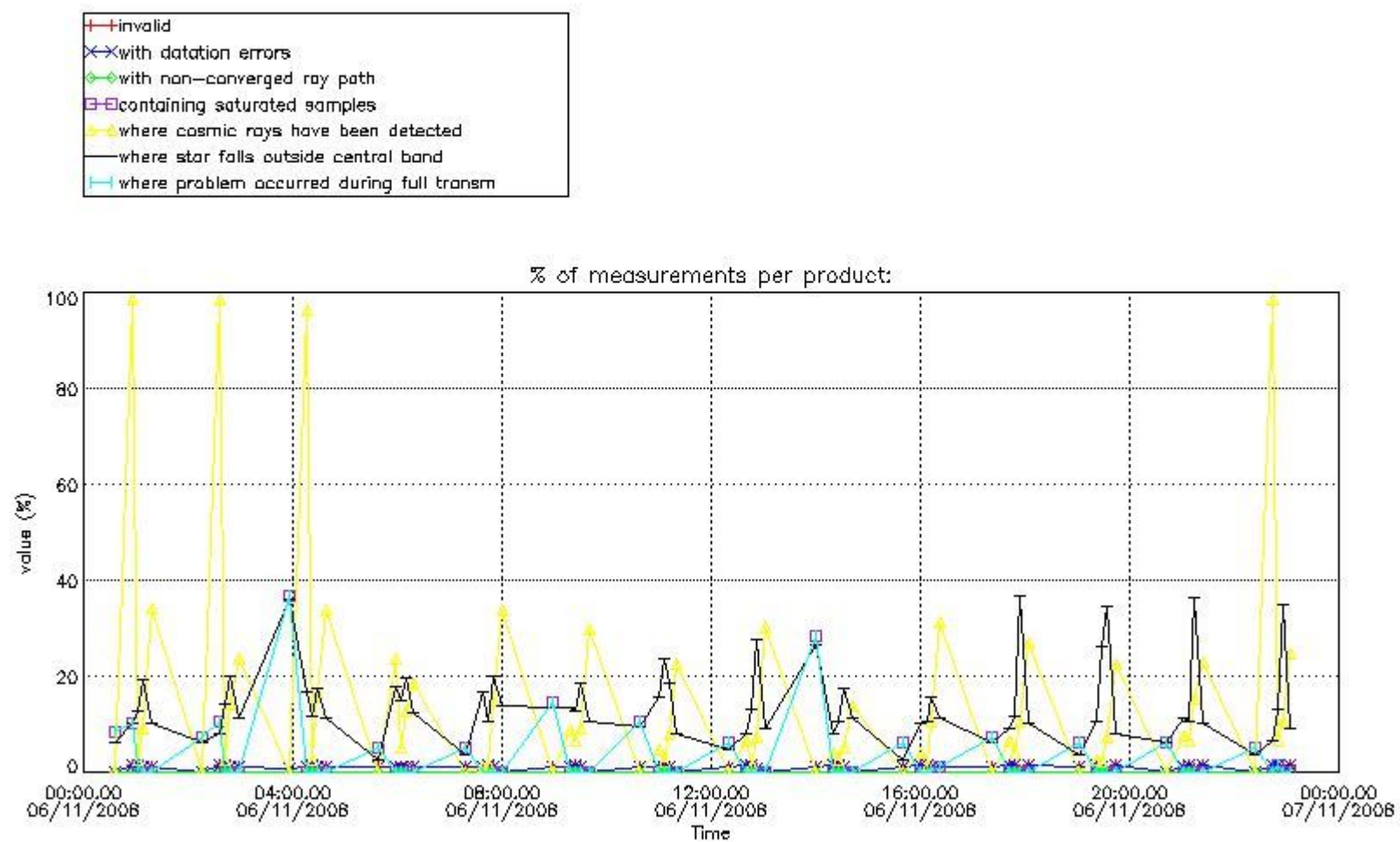


4. Level 1 quality information per product

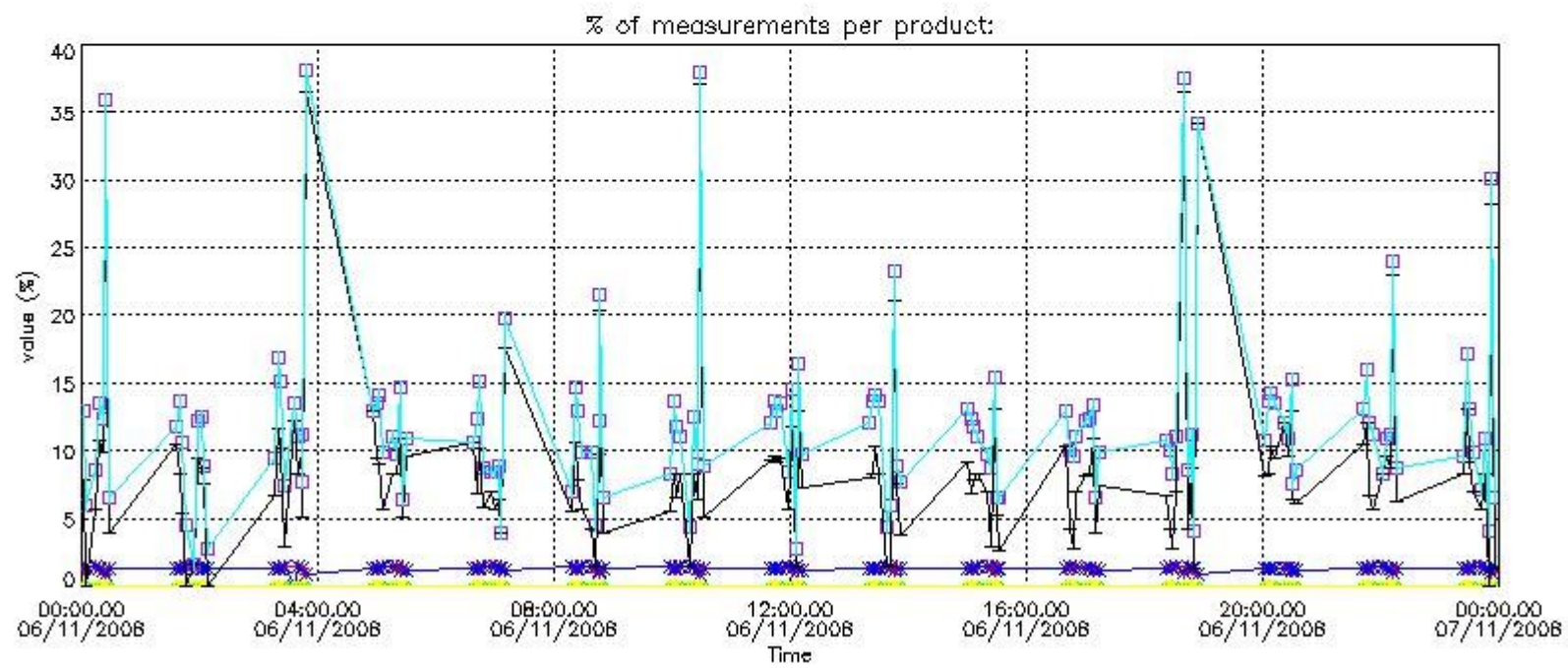
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



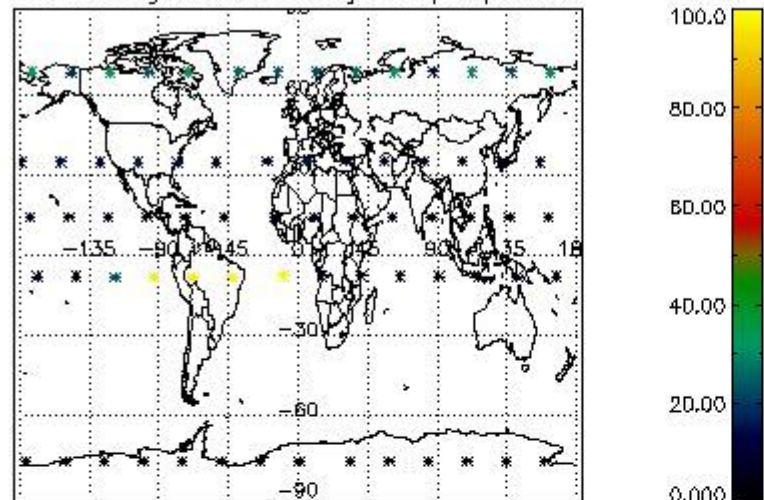
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



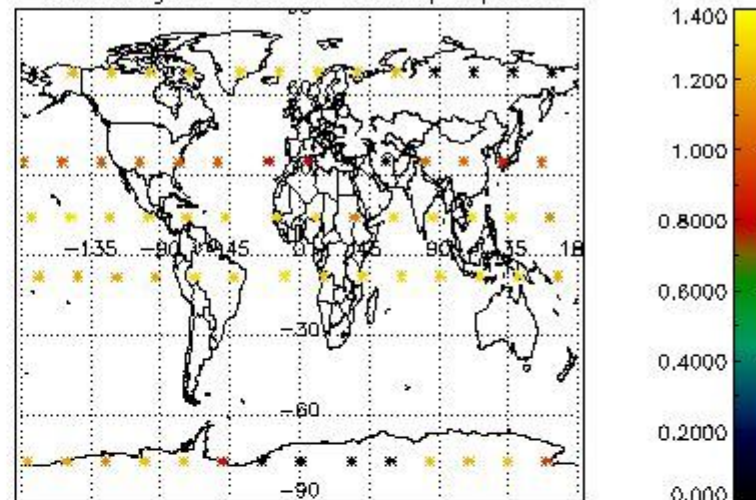
4.2 Plot quality information per product coming from level 1b processing (world map)

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

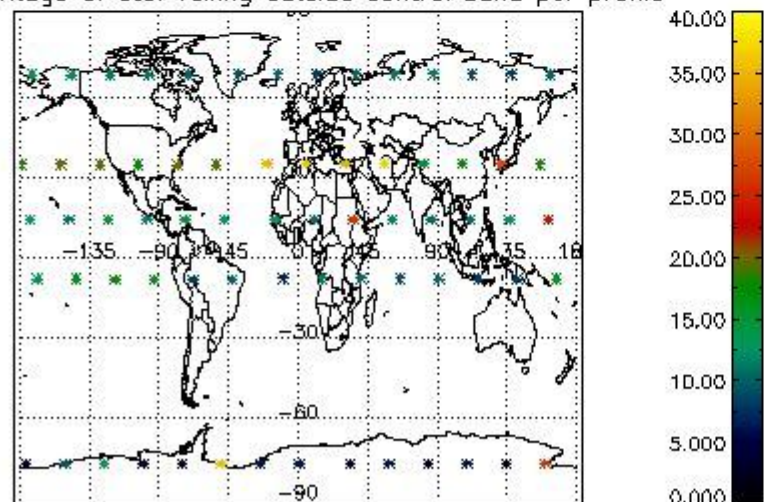
Percentage of cosmic ray hits per profile



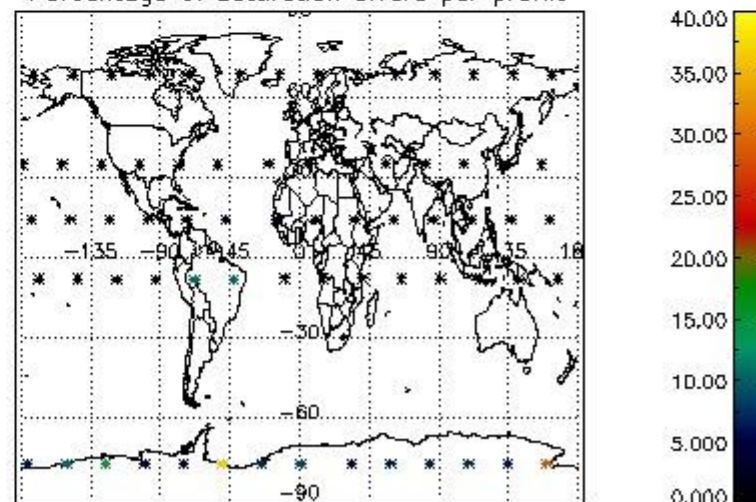
Percentage of datation errors per profile



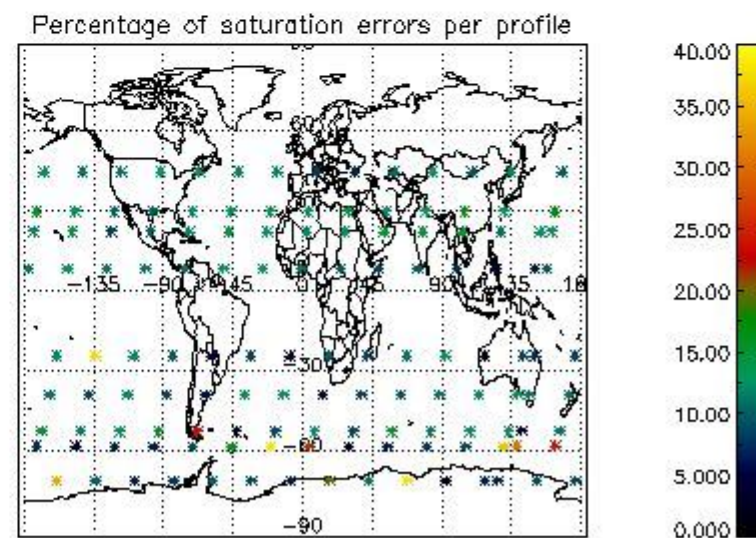
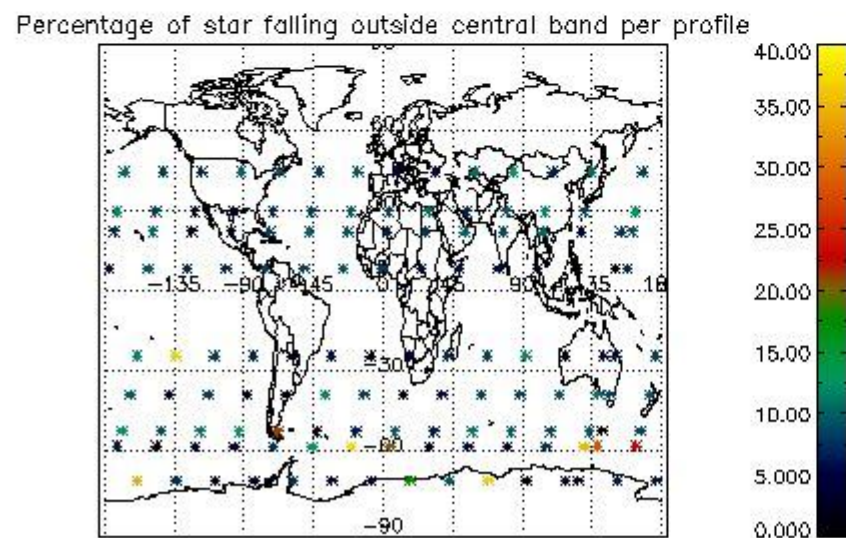
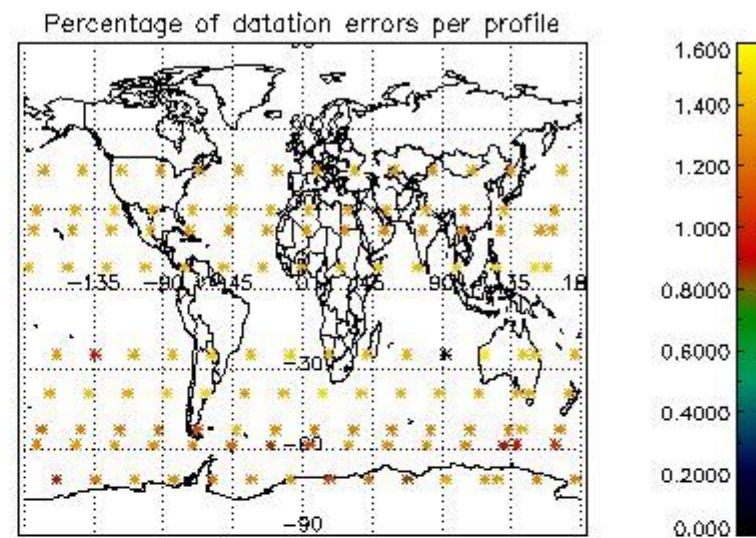
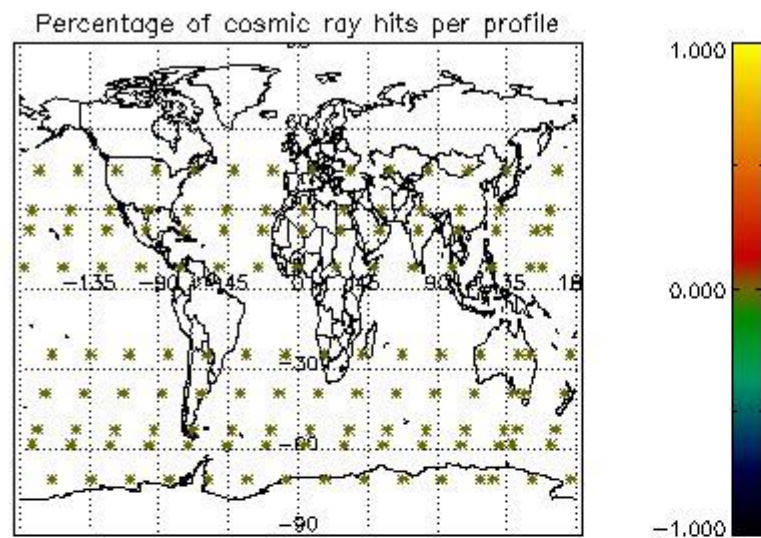
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

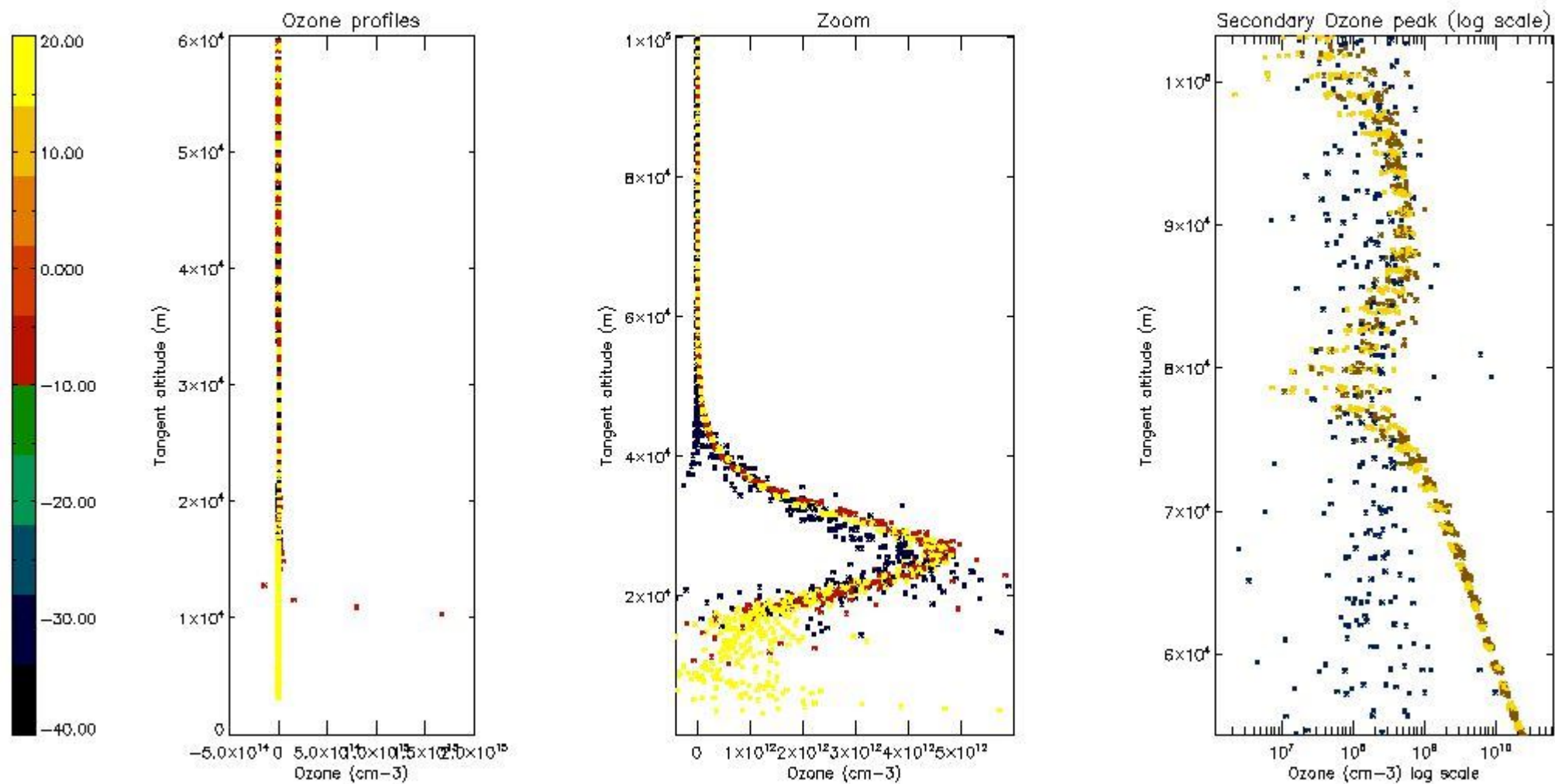
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	13

STD < 10	10
STD < 5	7

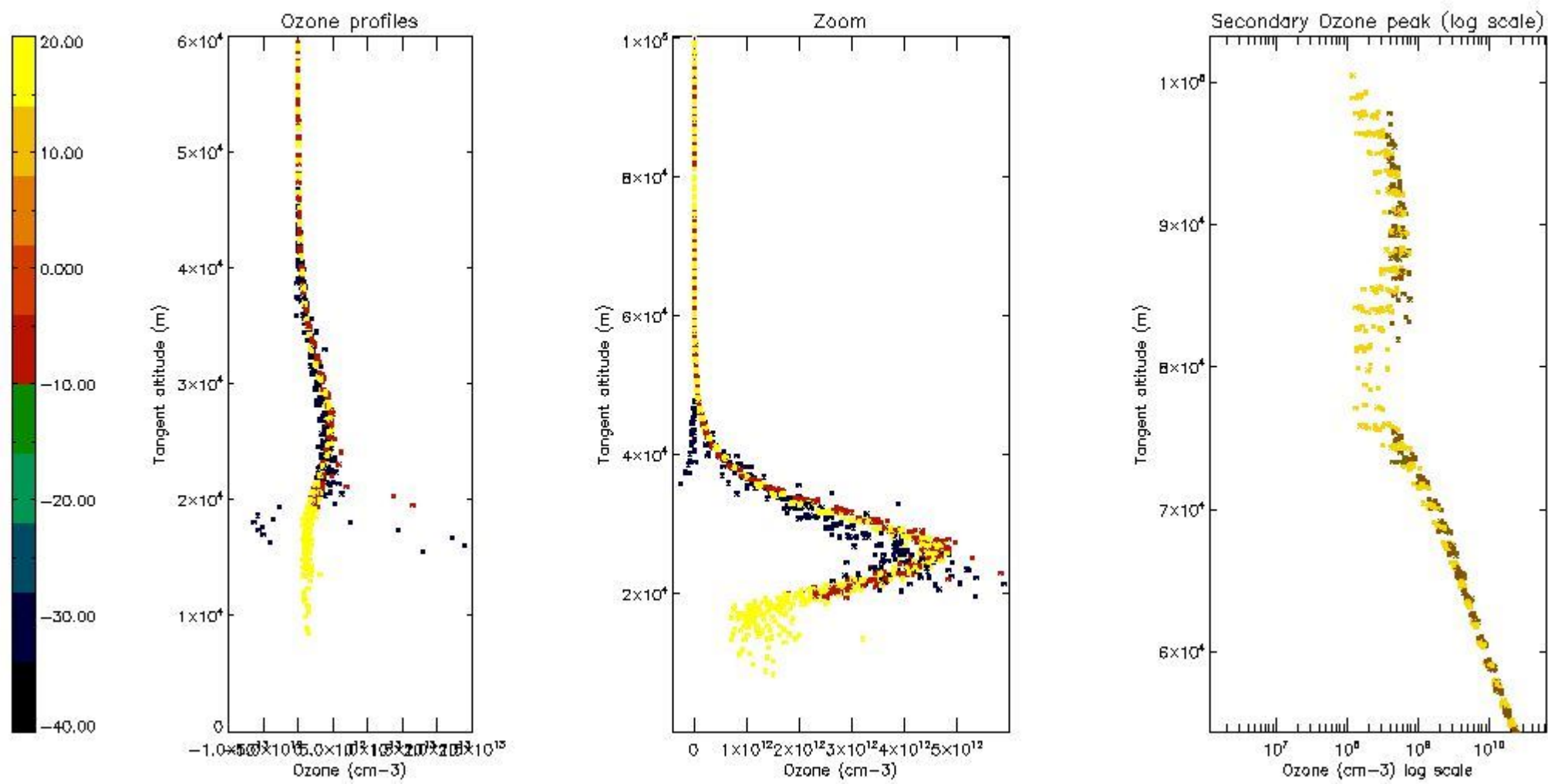
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



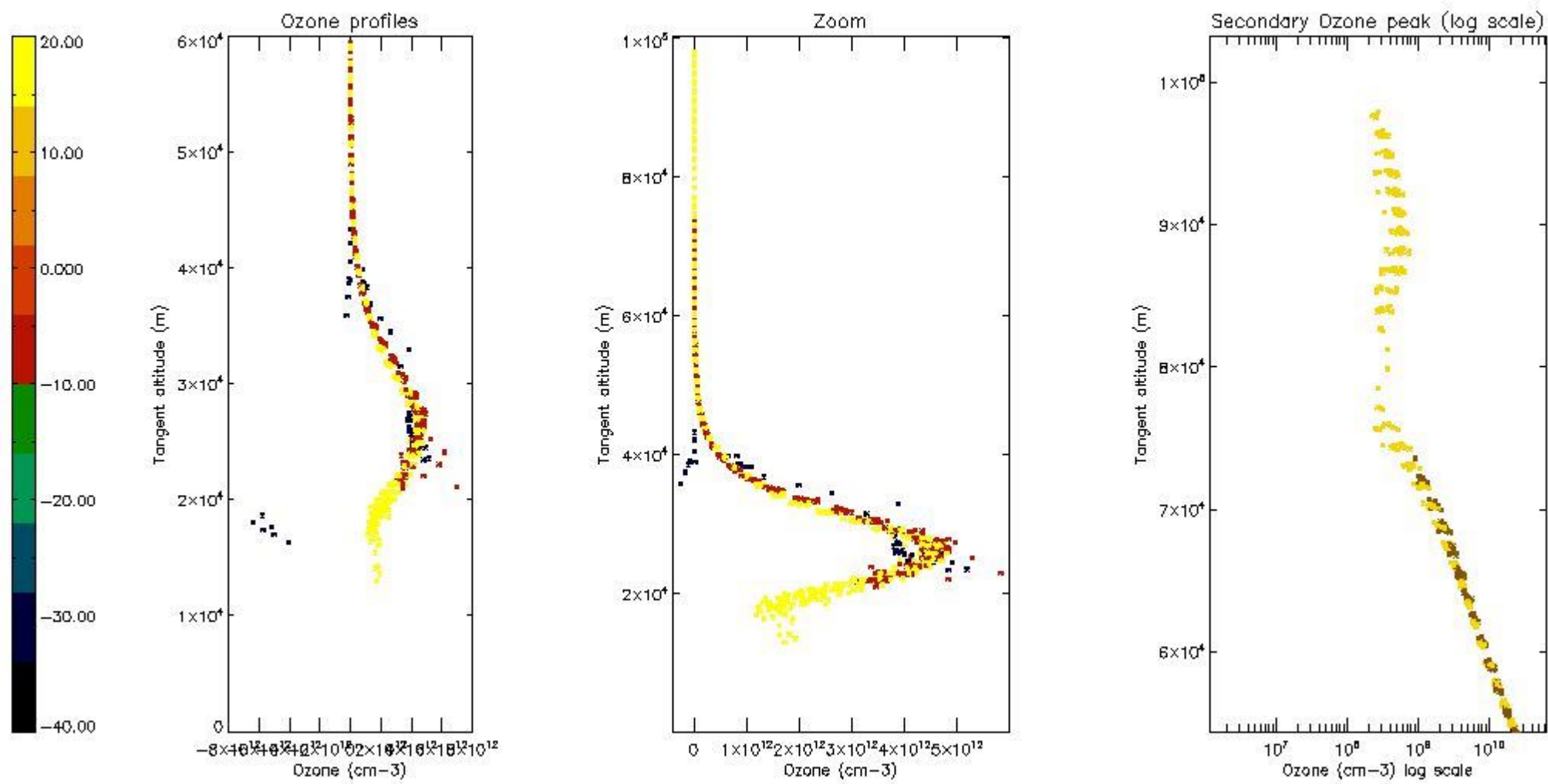
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



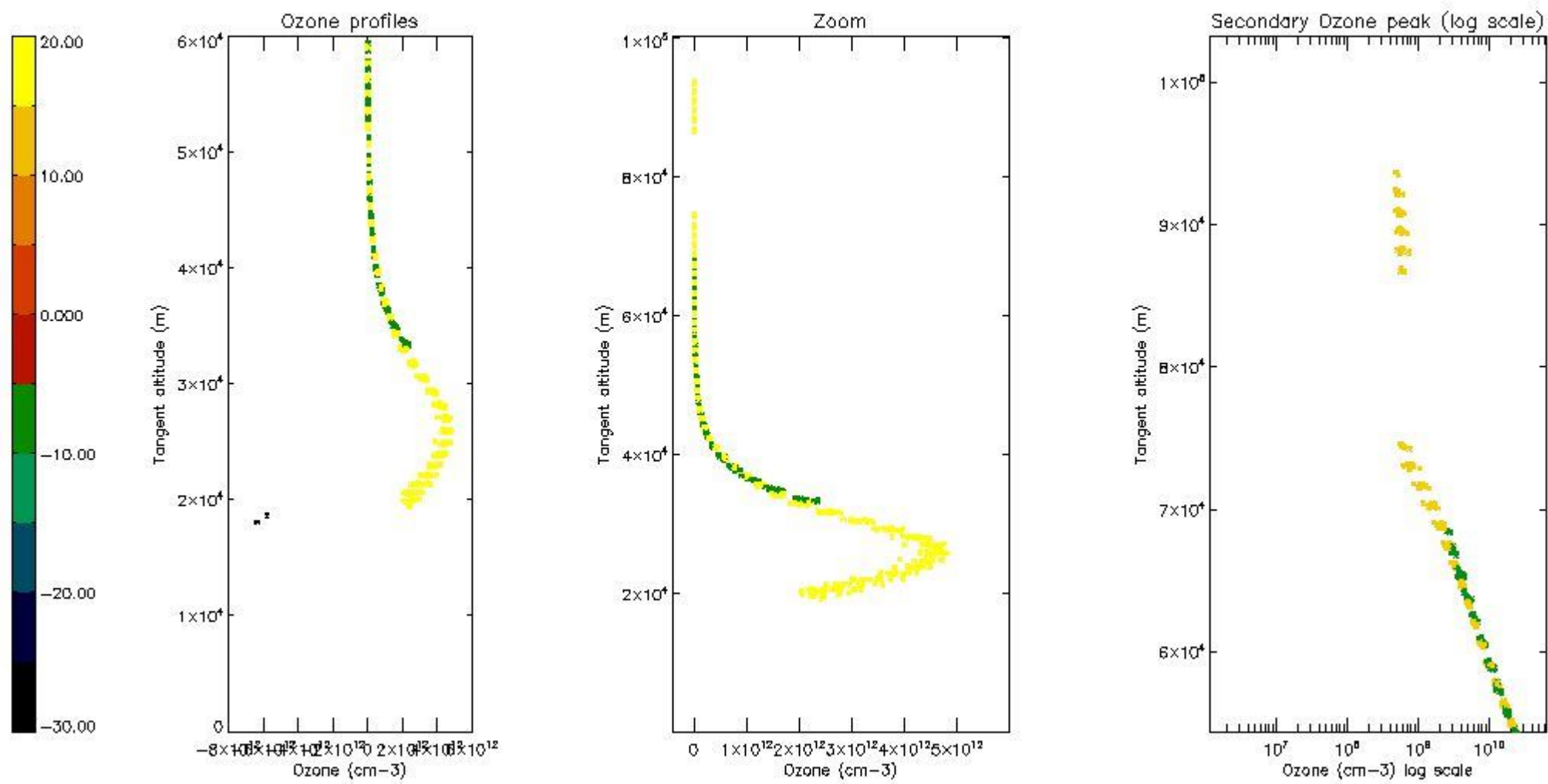
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



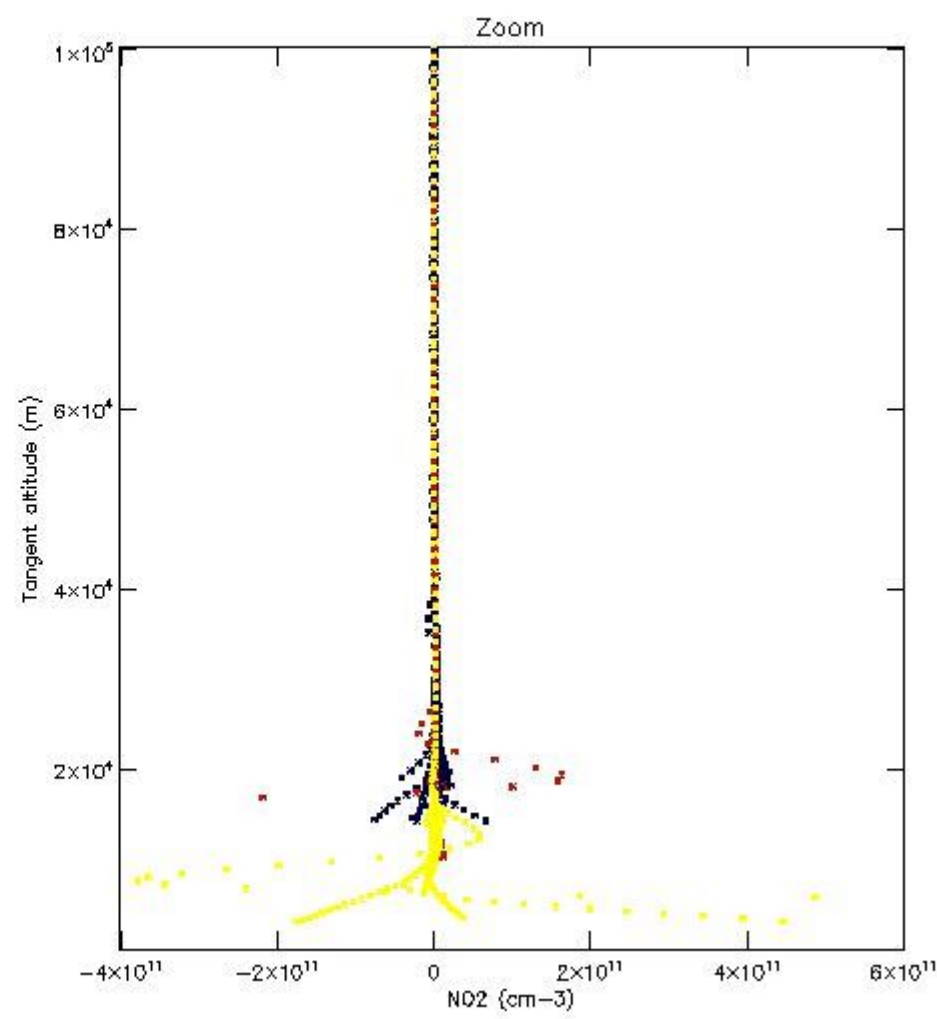
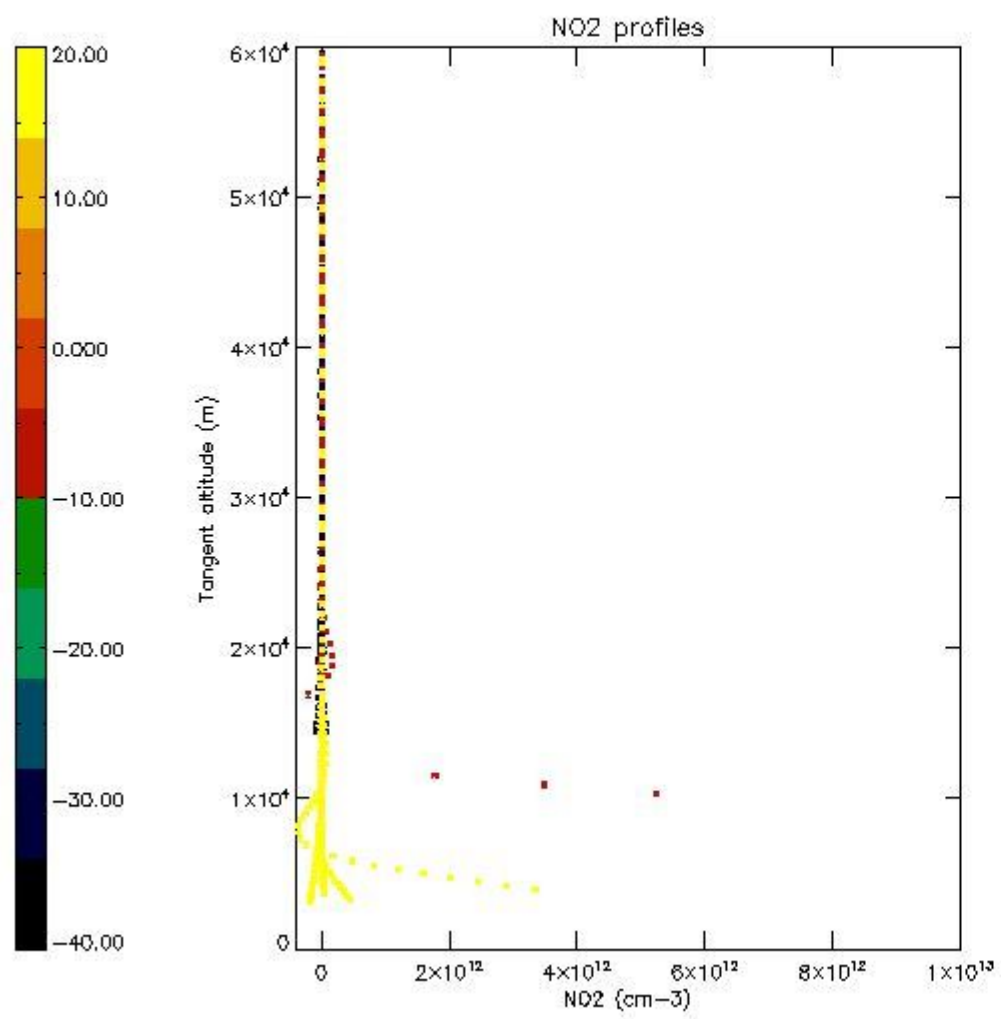
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



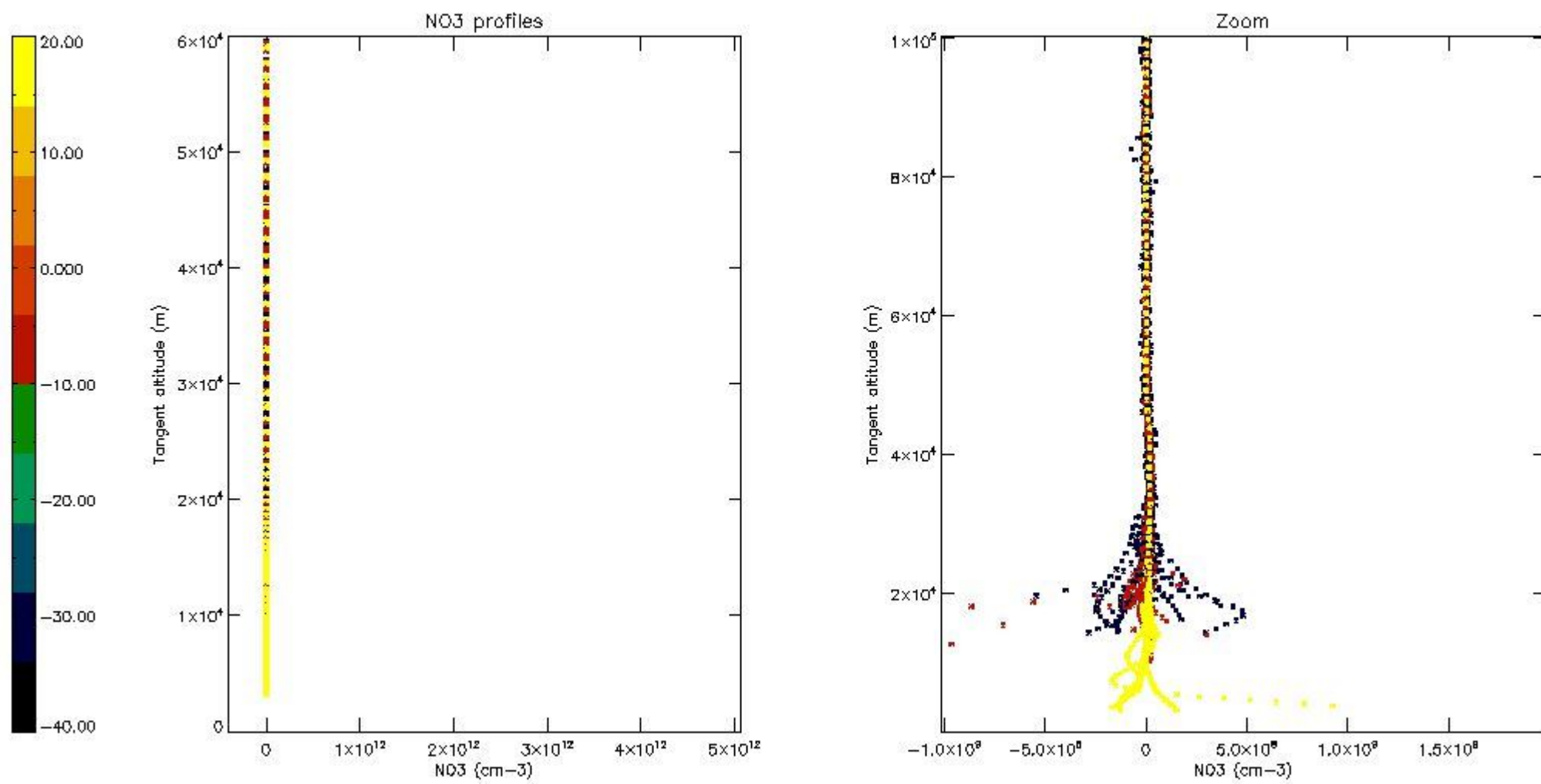
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



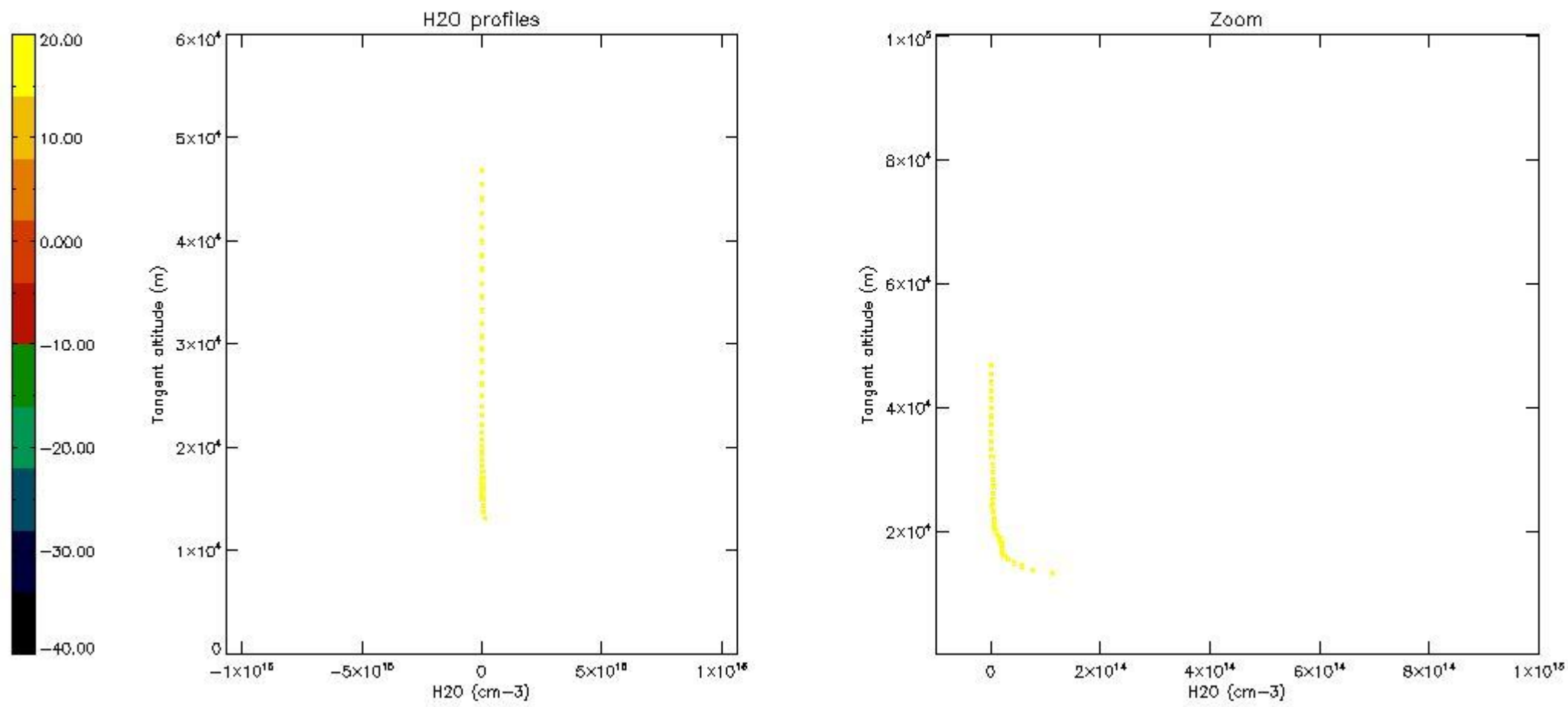
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

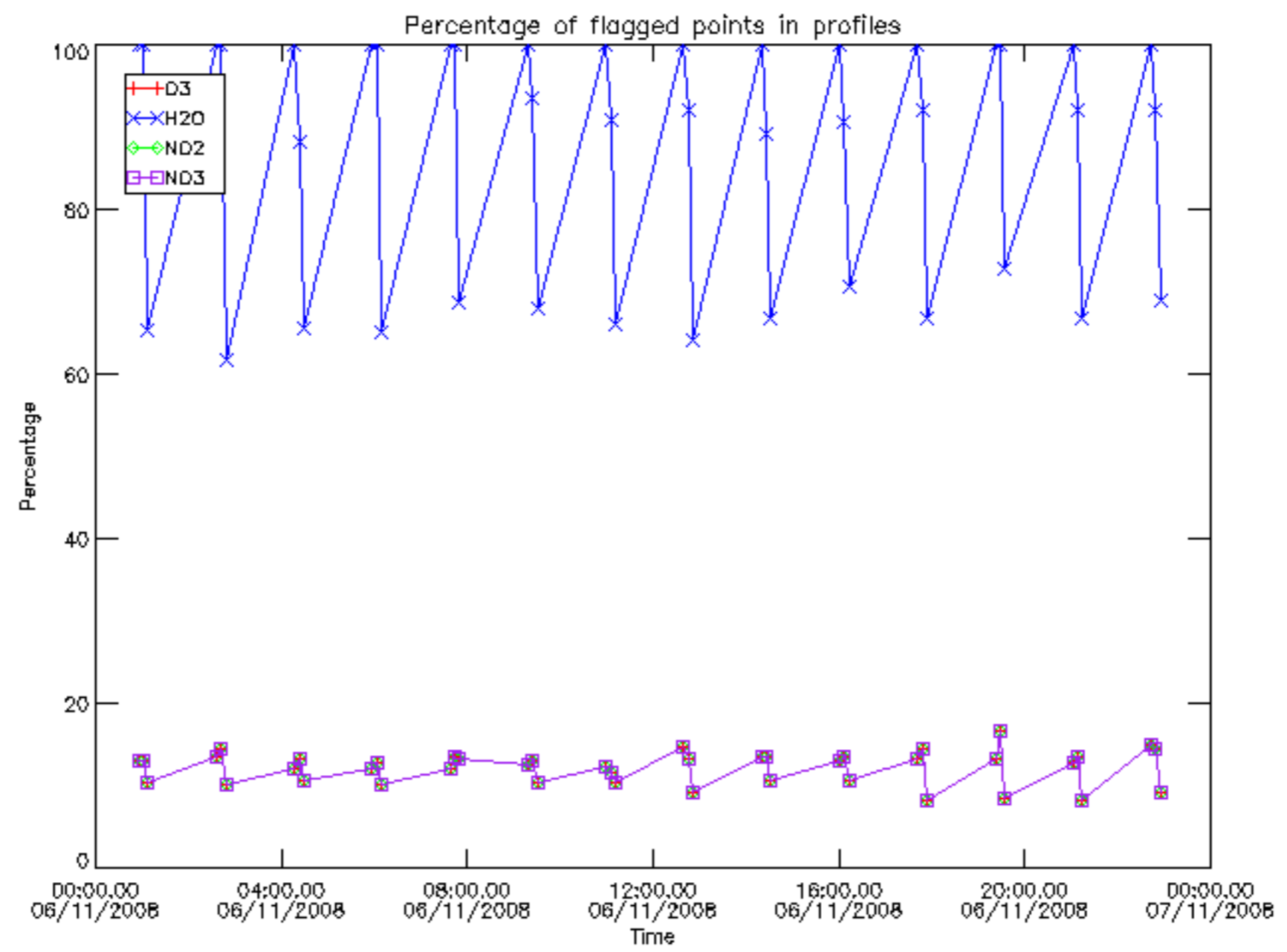
The colorbar represents the latitude.



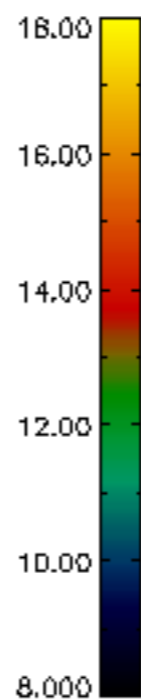
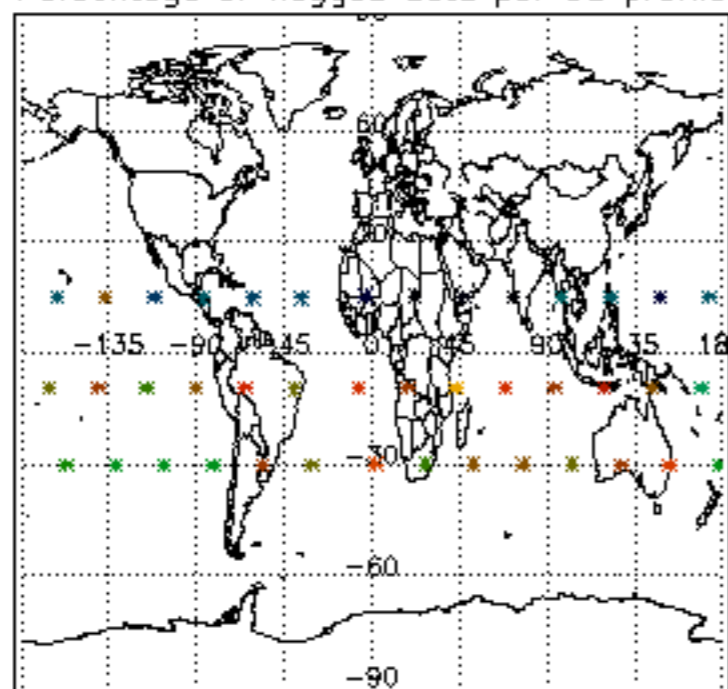
6. Auxiliary Data Files used for the production reported in section 2

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

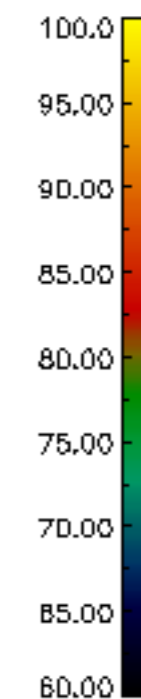
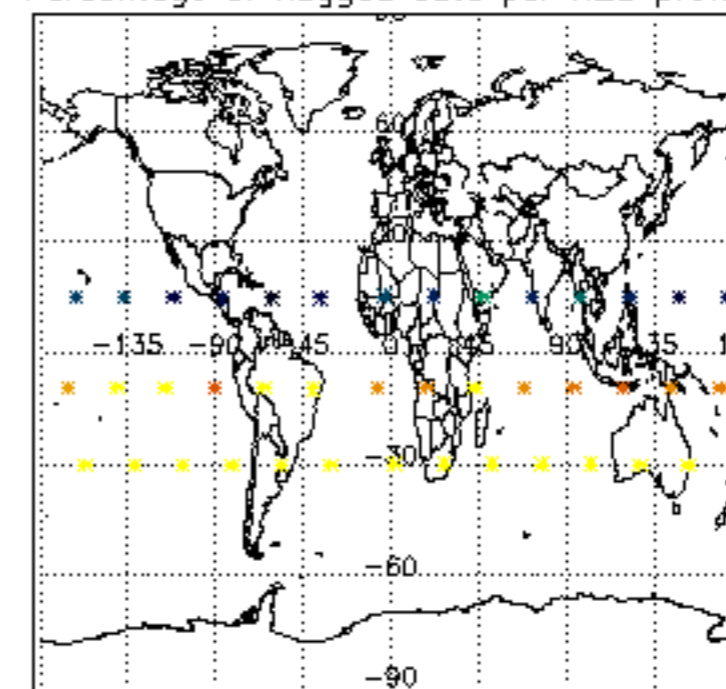
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-NOV-2008 00:01:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-NOV-2008 00:01:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-NOV-2008 00:01:07



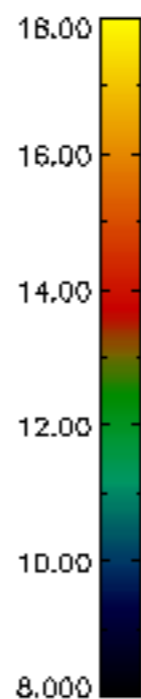
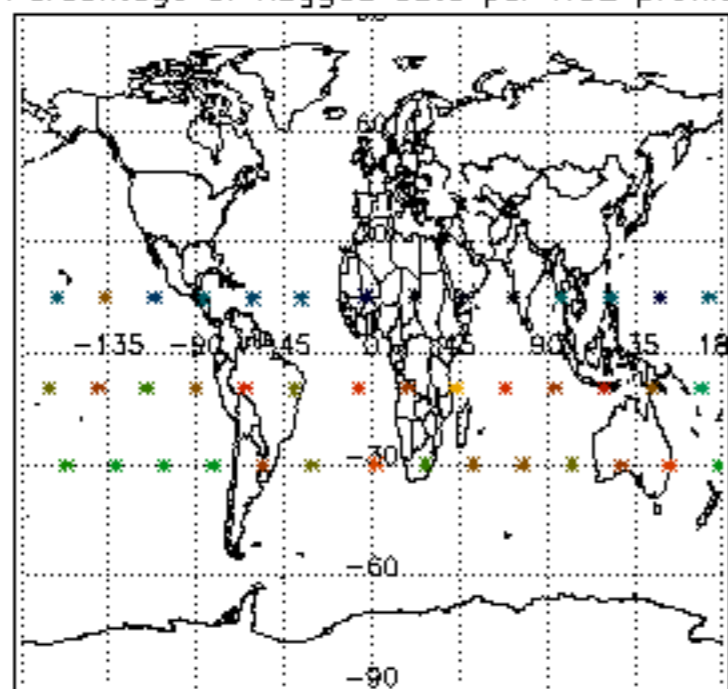
Percentage of flagged data per D3 profile



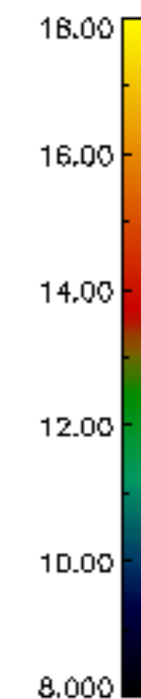
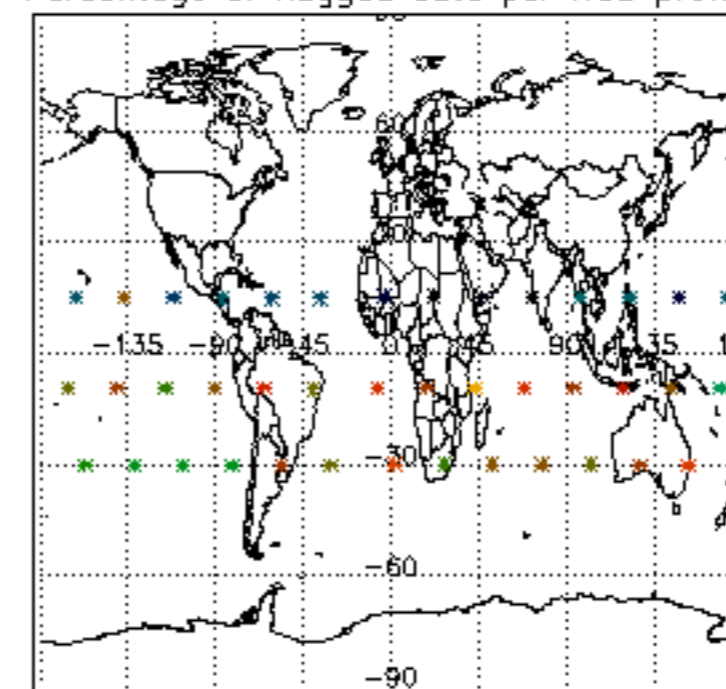
Percentage of flagged data per H2O profile

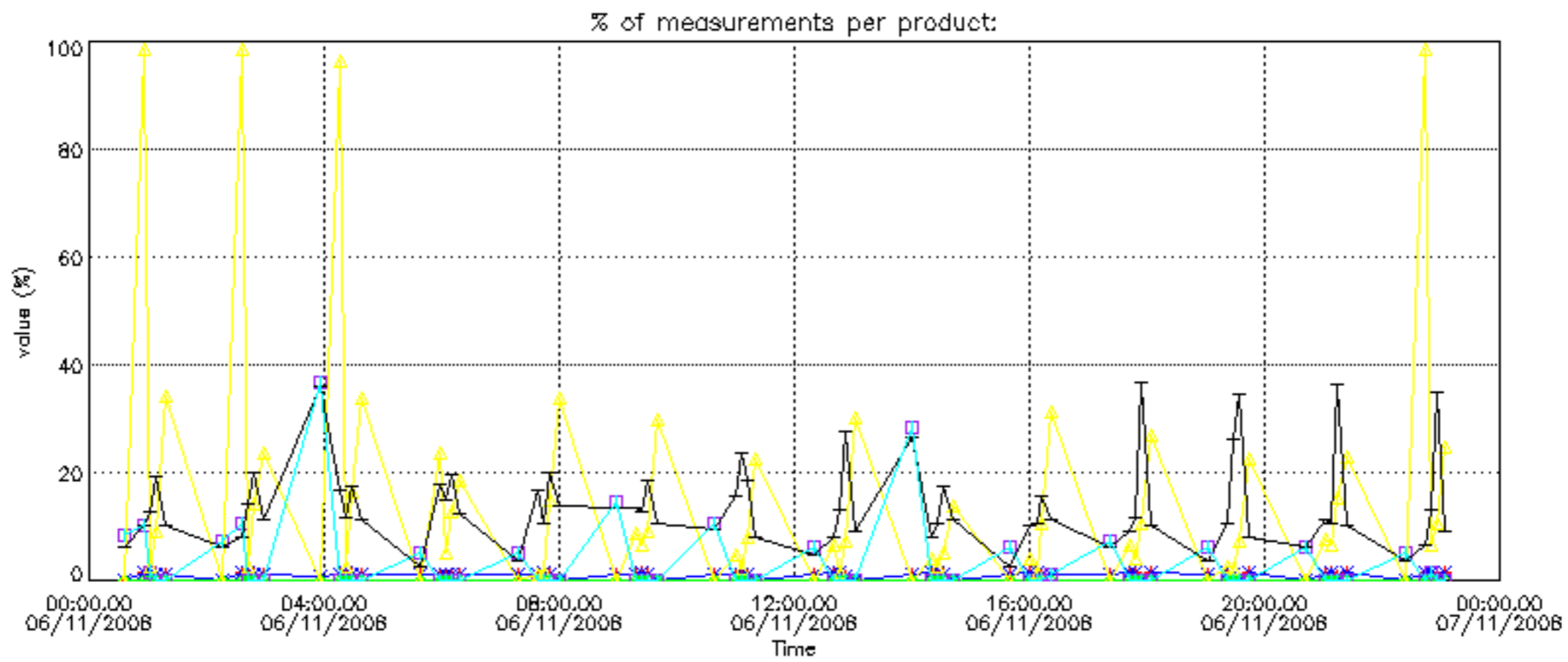


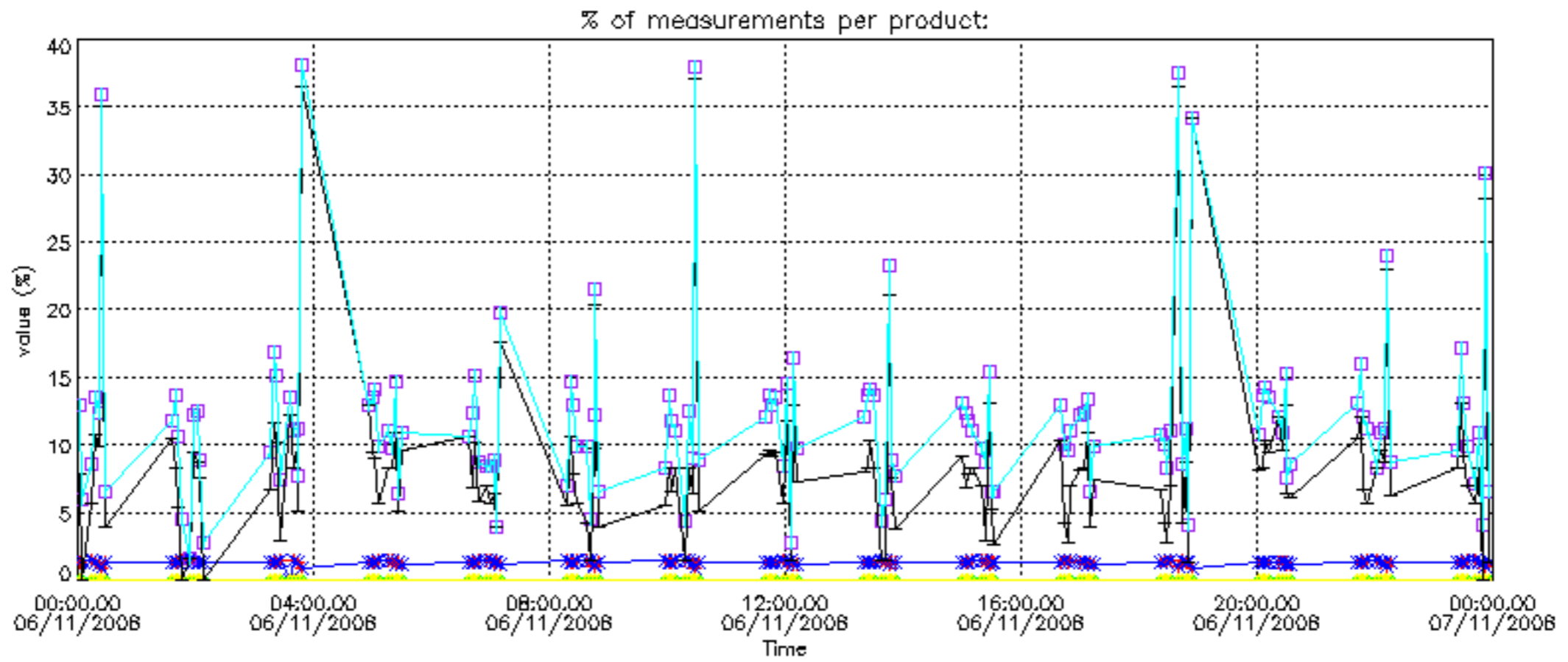
Percentage of flagged data per NO2 profile



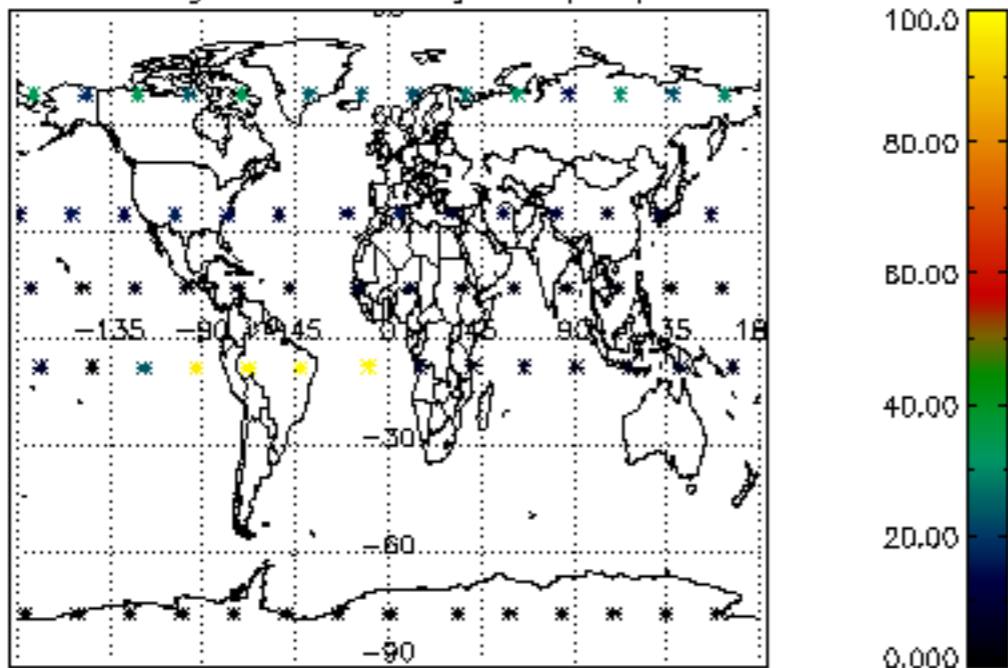
Percentage of flagged data per NO3 profile



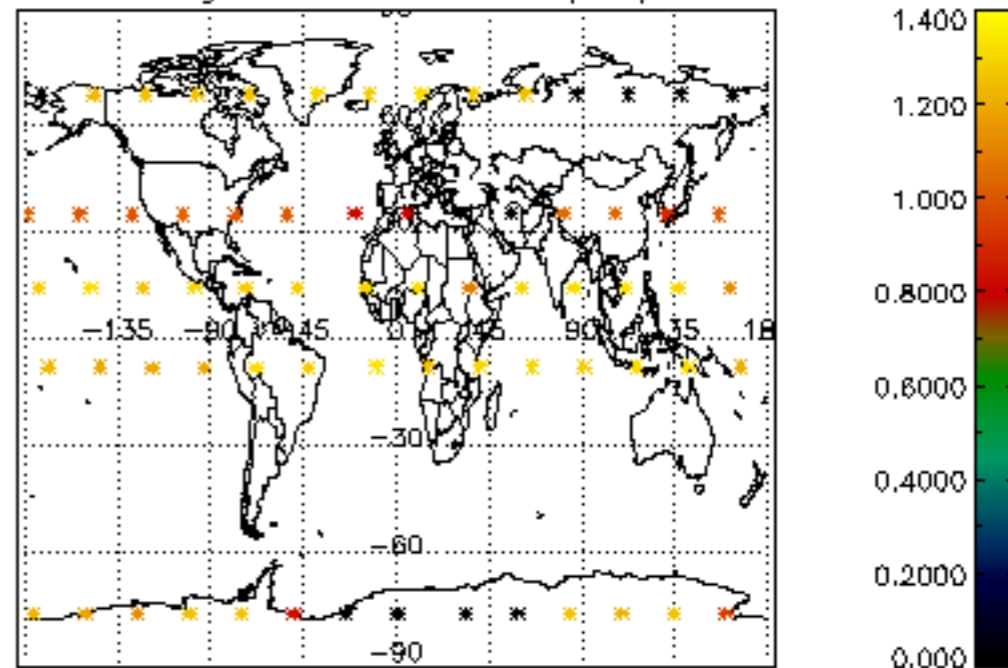




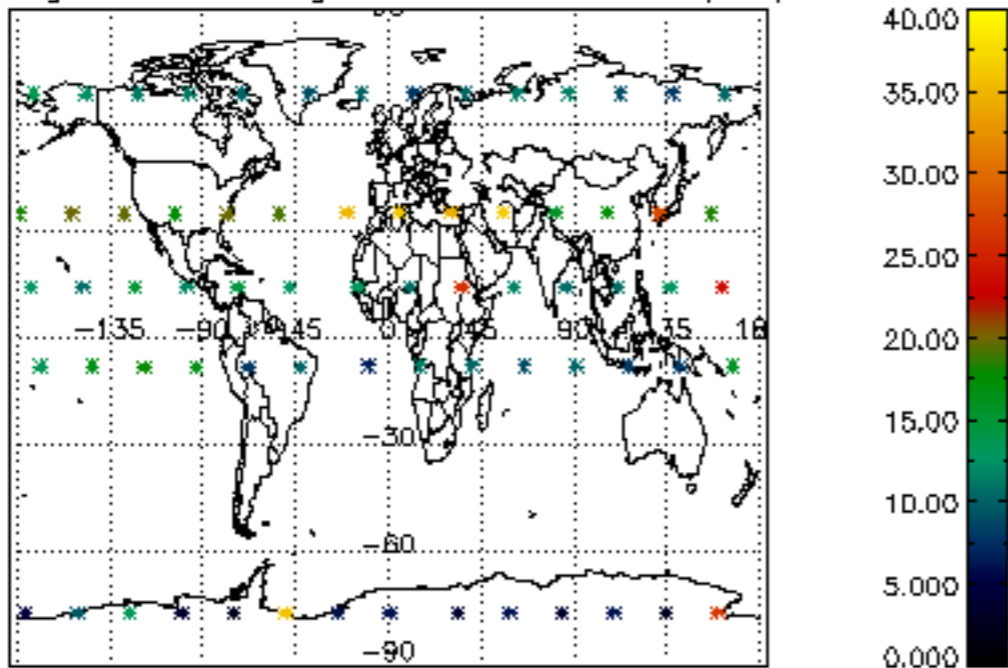
Percentage of cosmic ray hits per profile



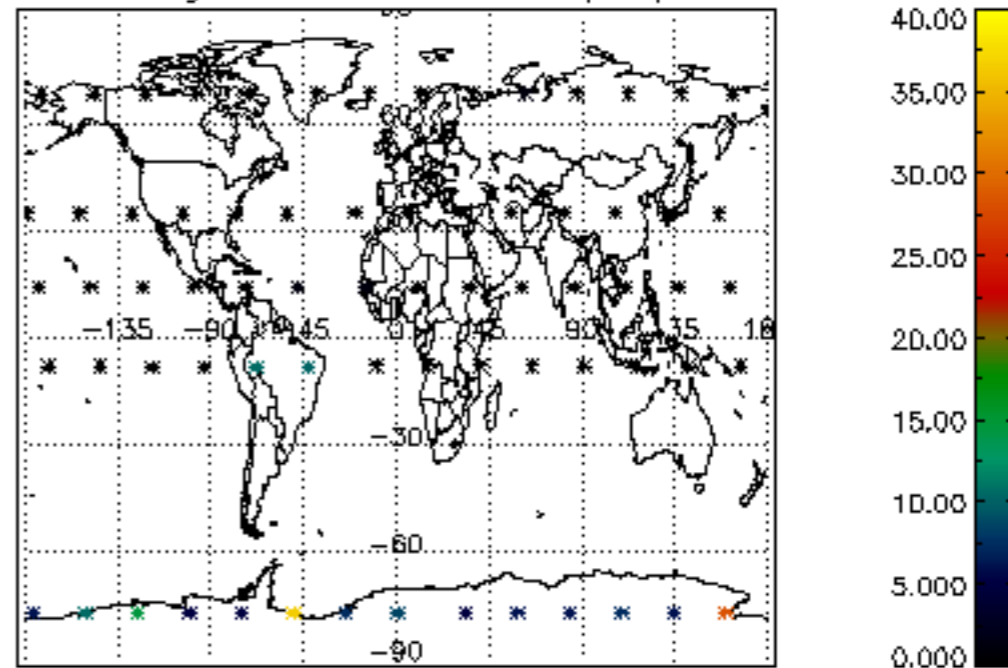
Percentage of datation errors per profile



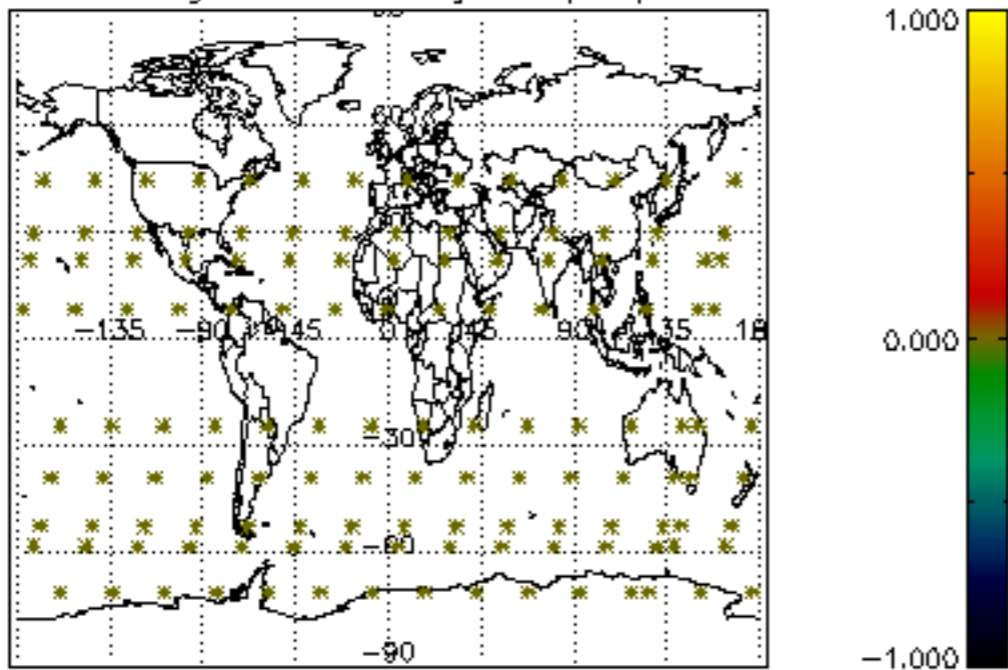
Percentage of star falling outside central band per profile



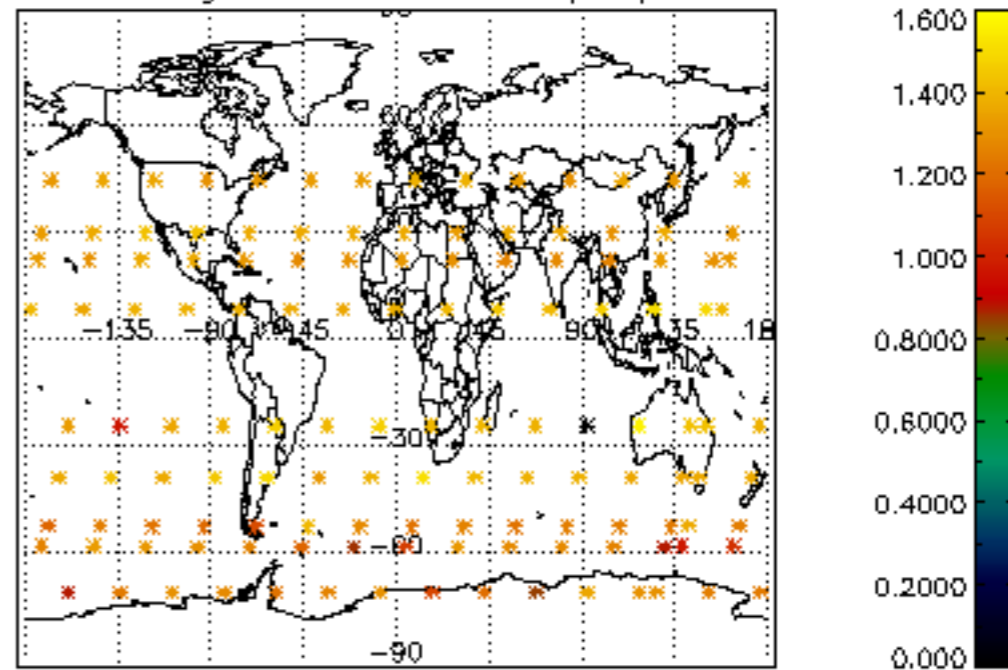
Percentage of saturation errors per profile



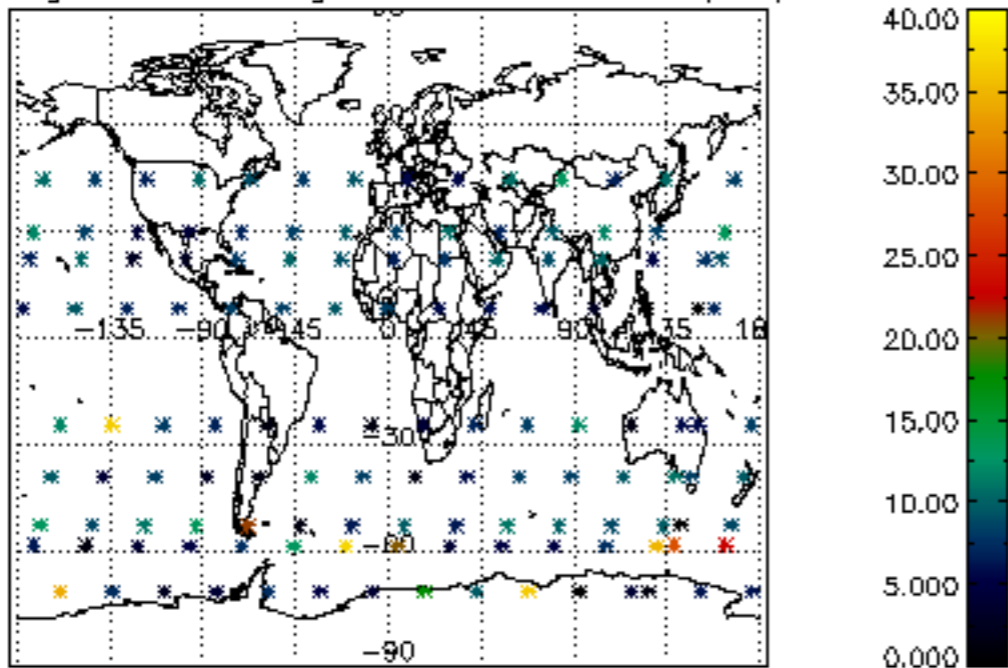
Percentage of cosmic ray hits per profile



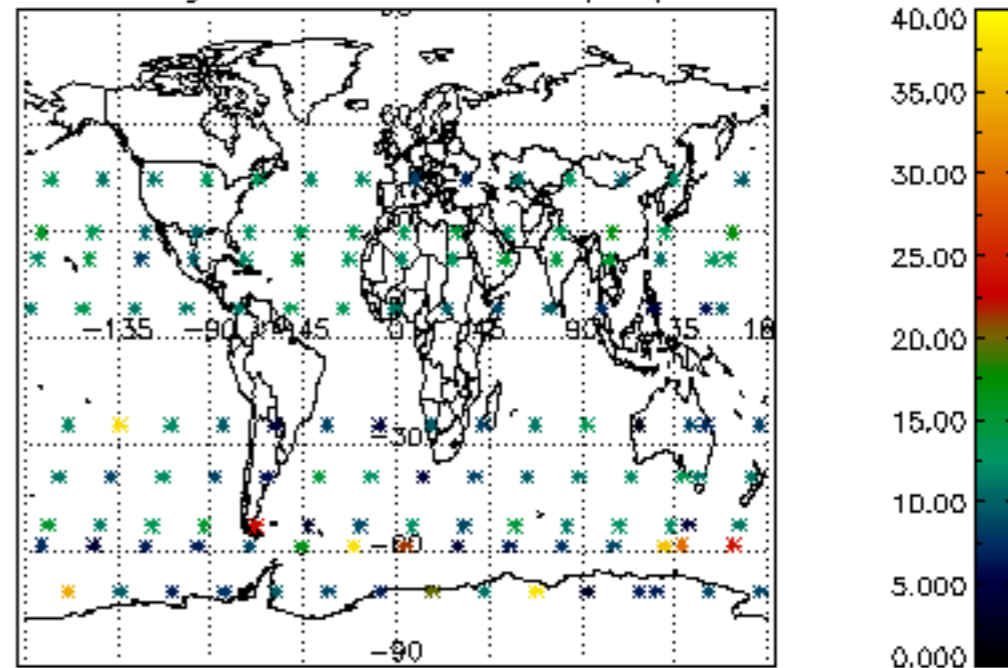
Percentage of datation errors per profile

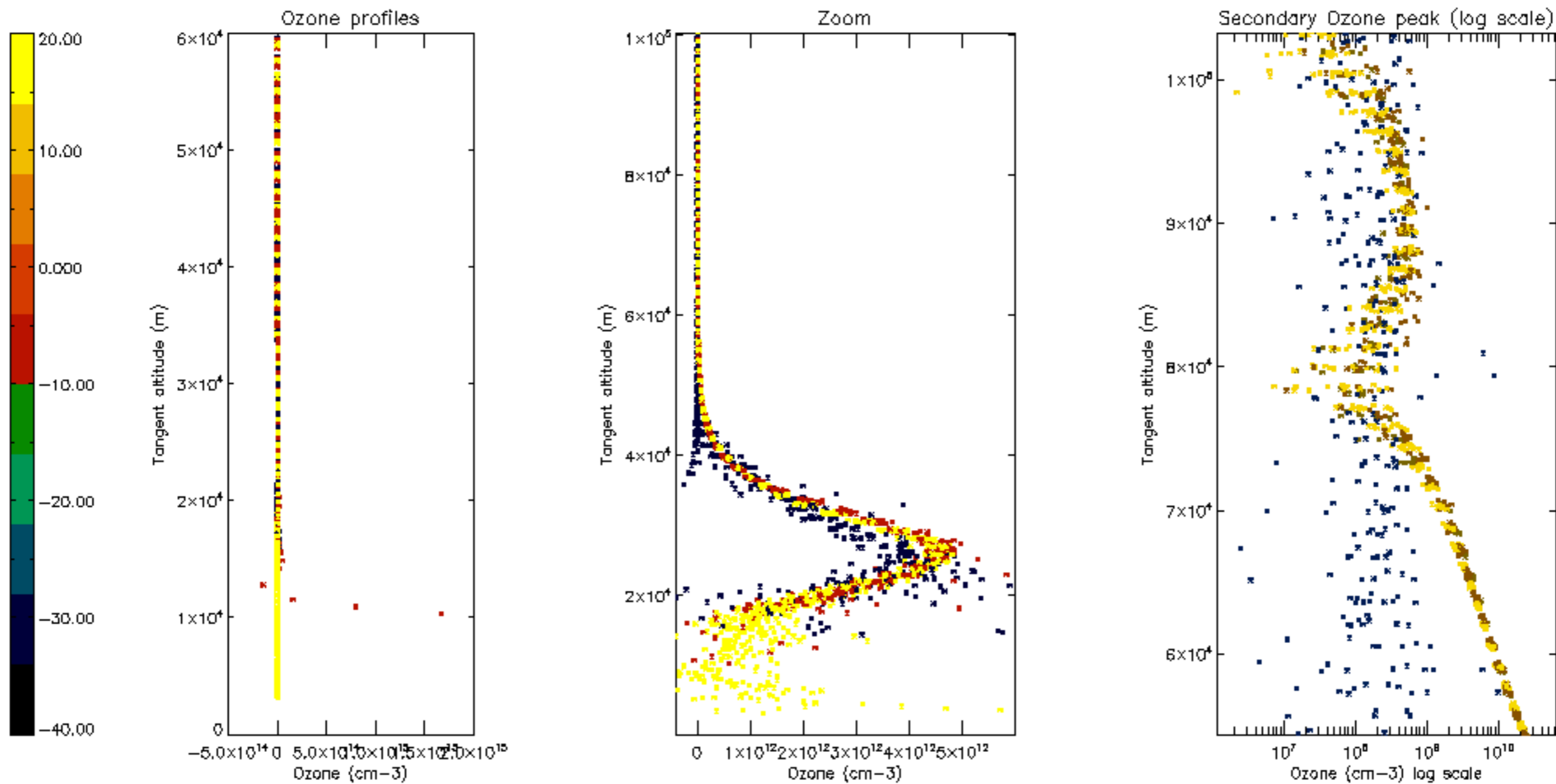


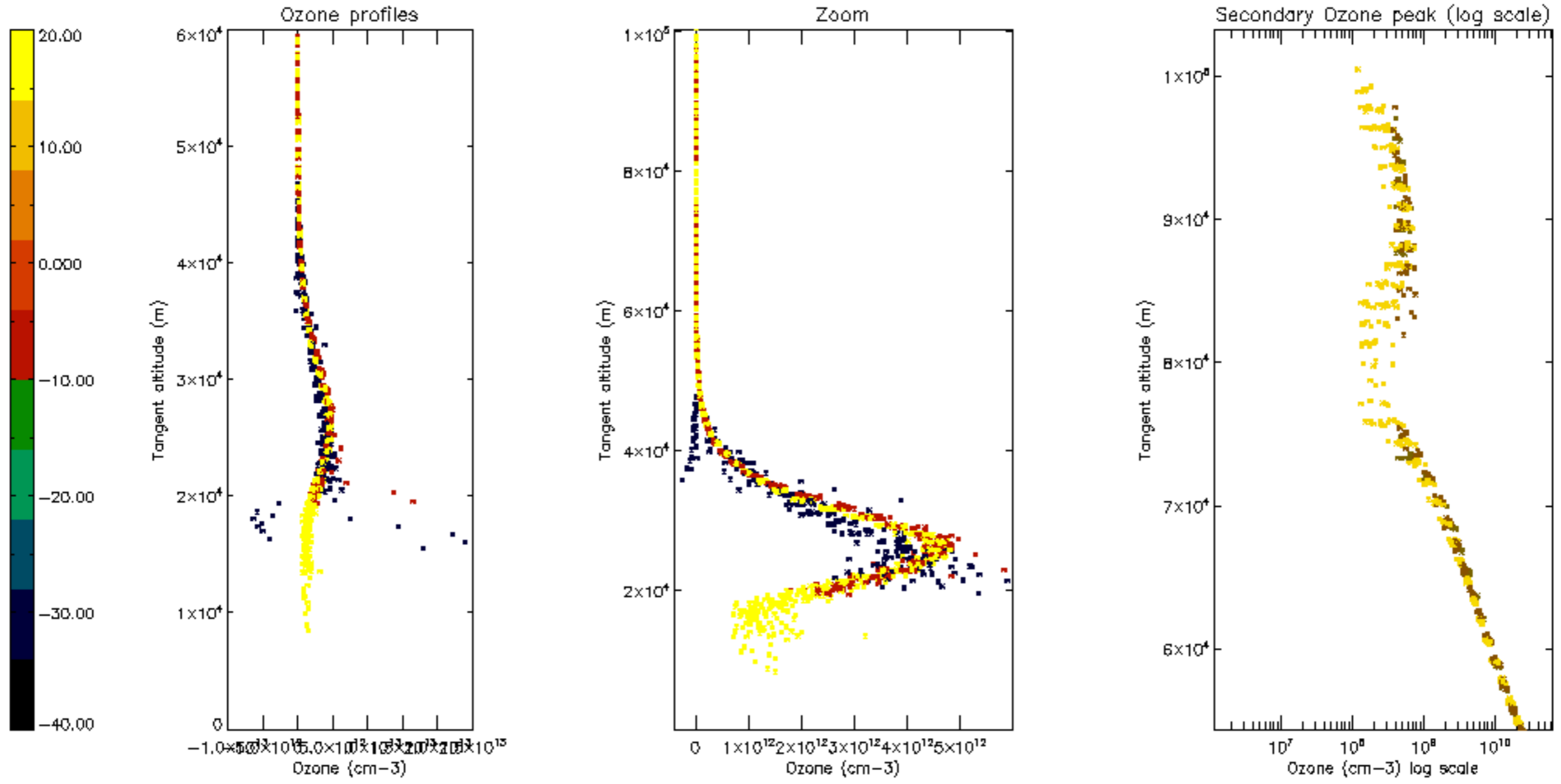
Percentage of star falling outside central band per profile

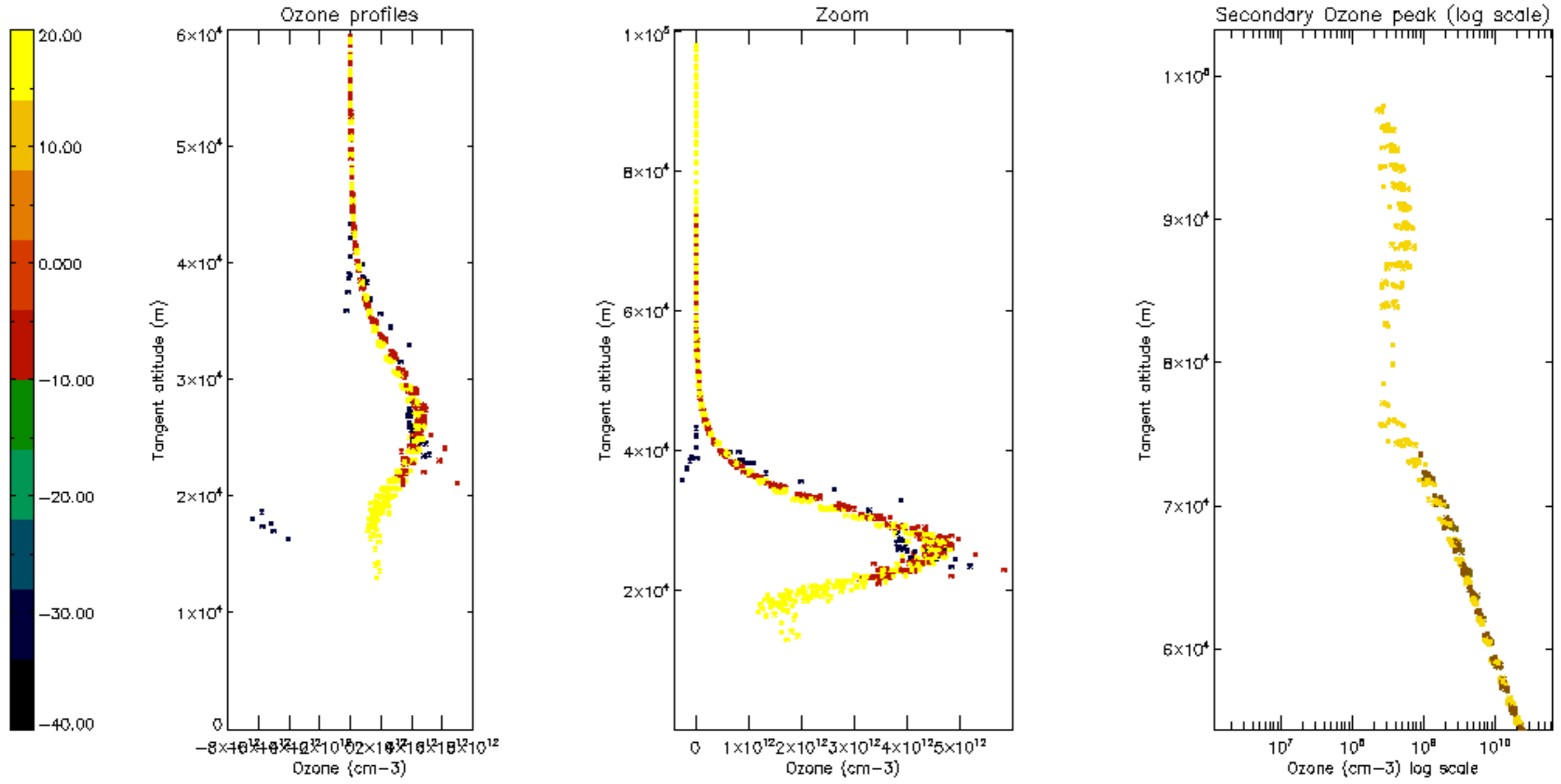


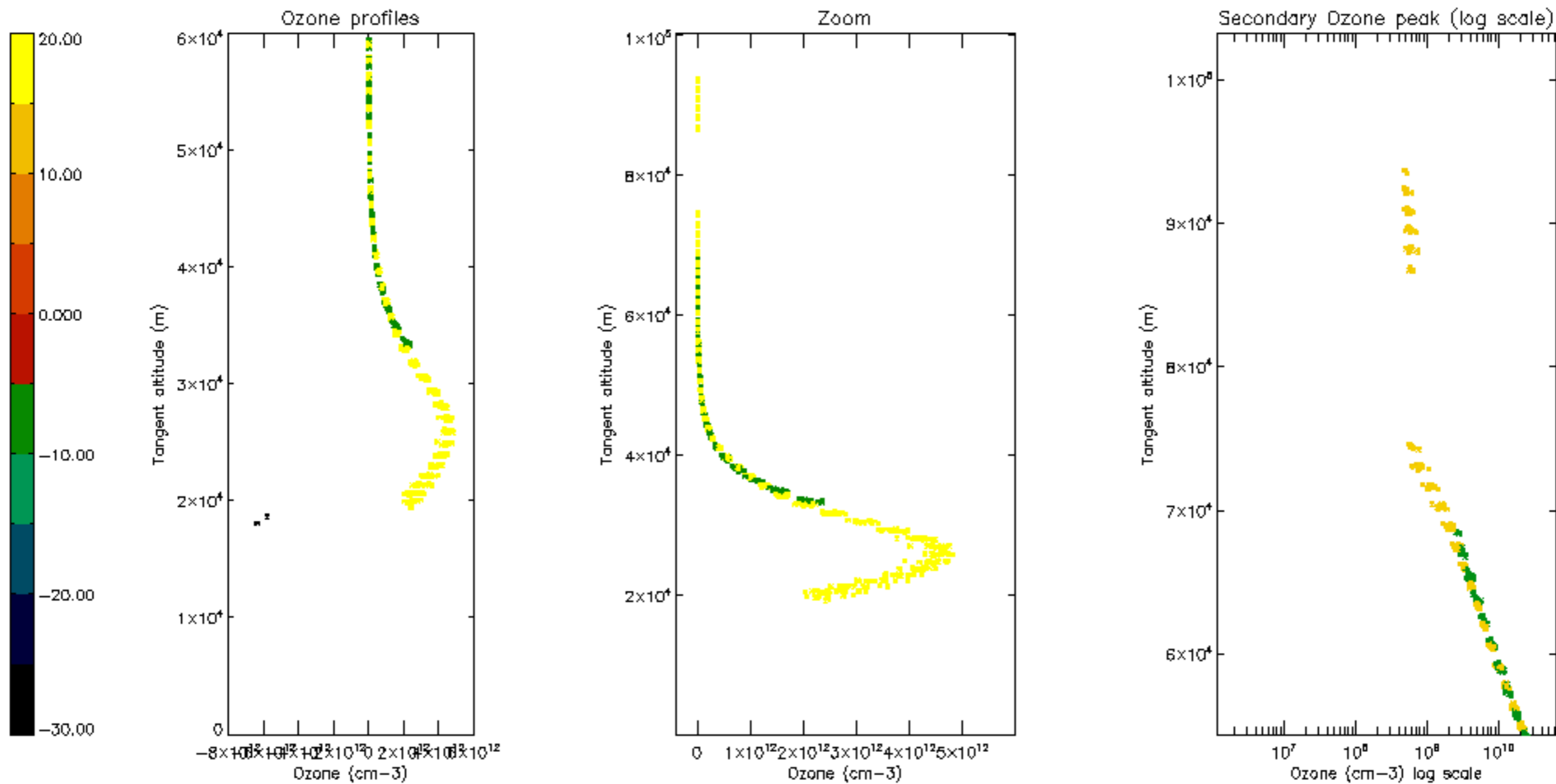
Percentage of saturation errors per profile

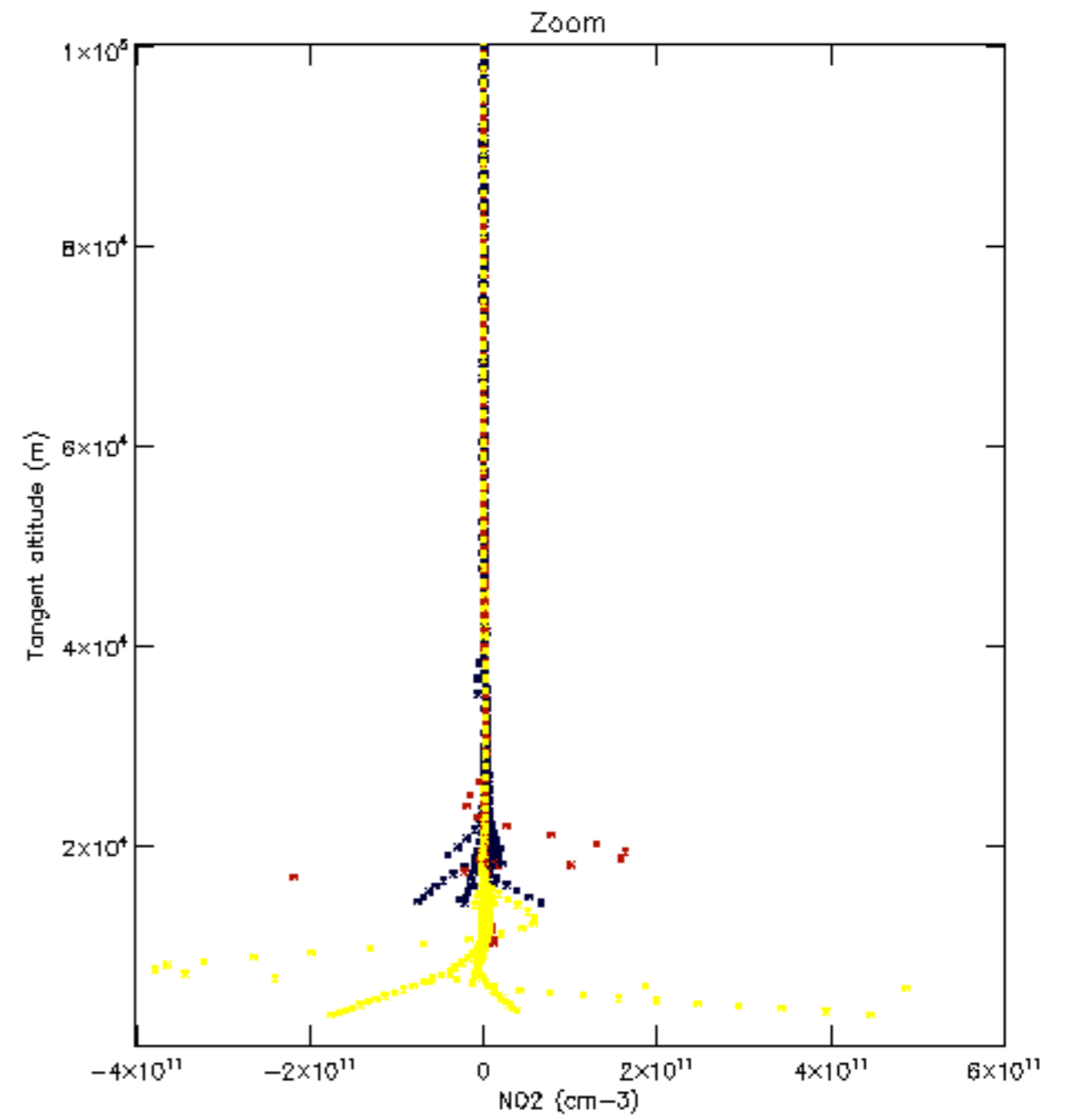
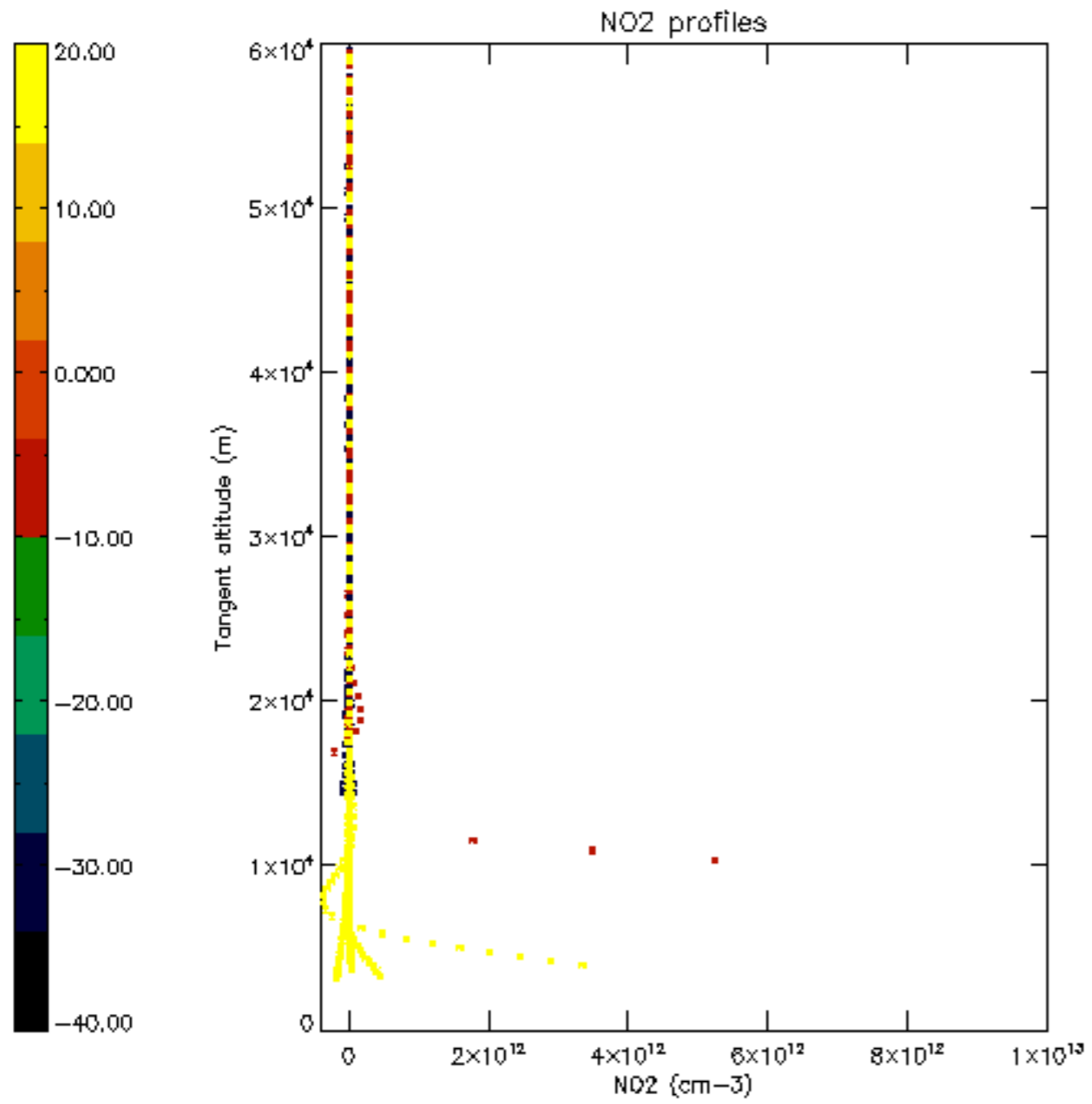


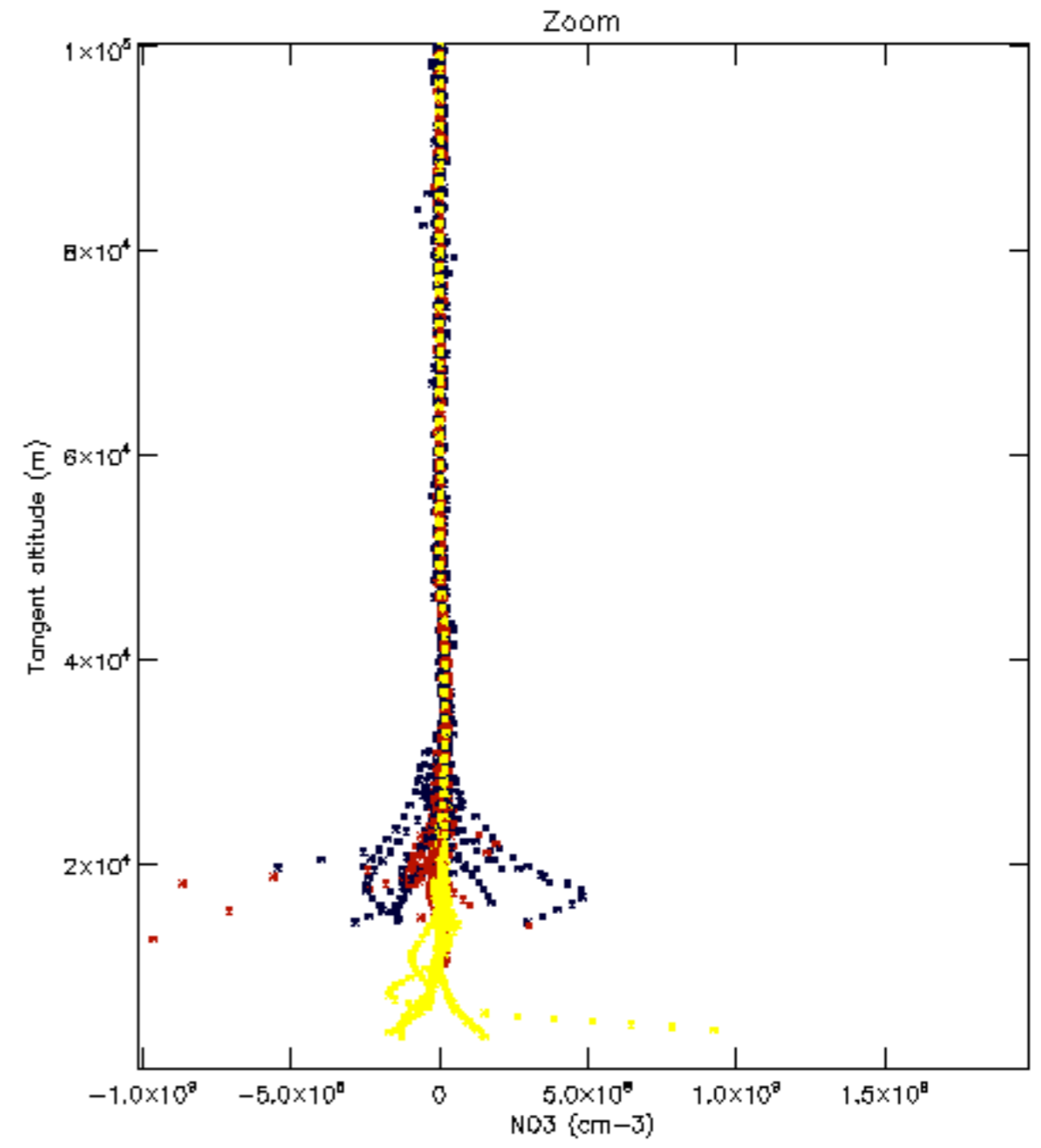
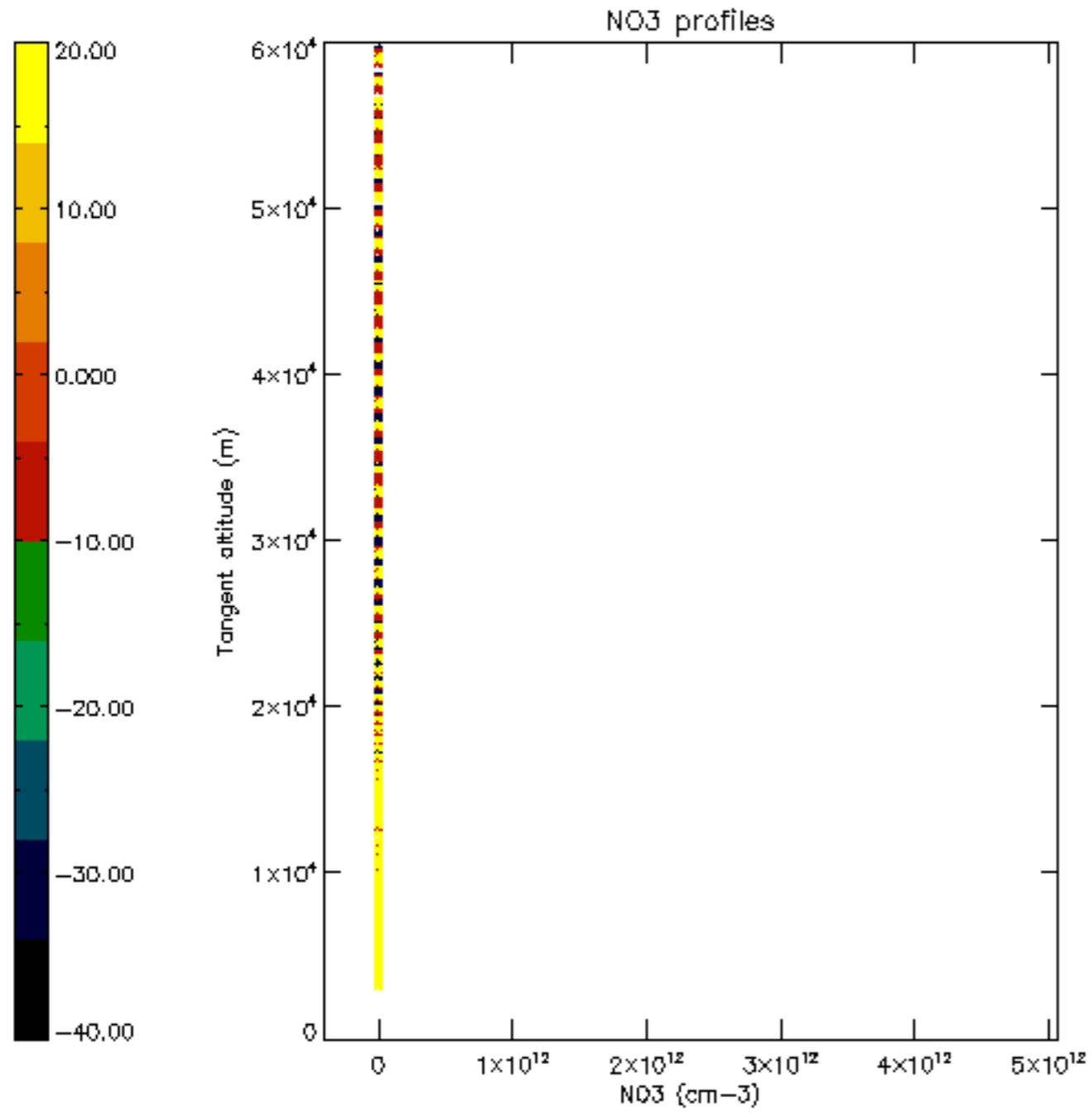


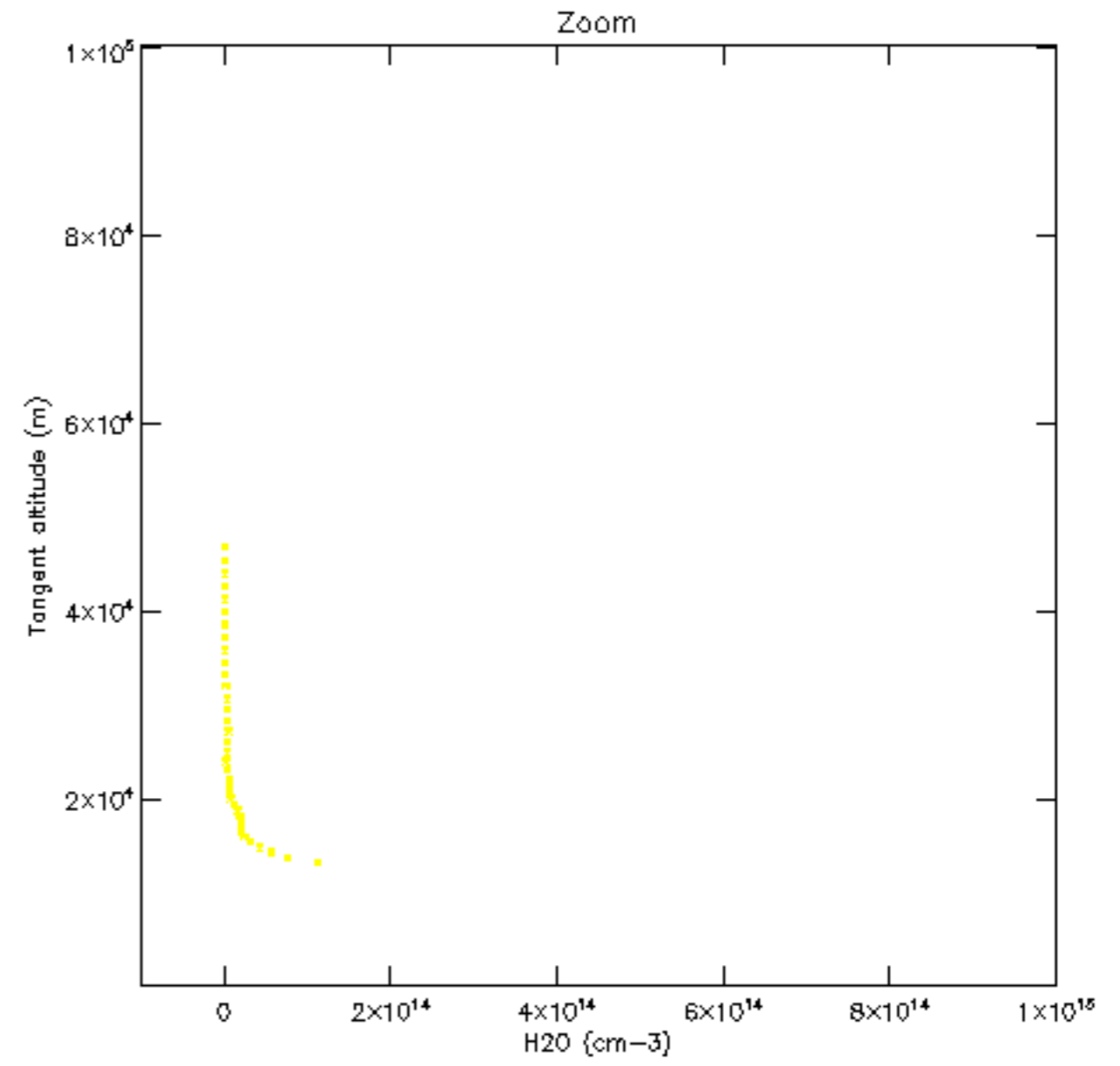
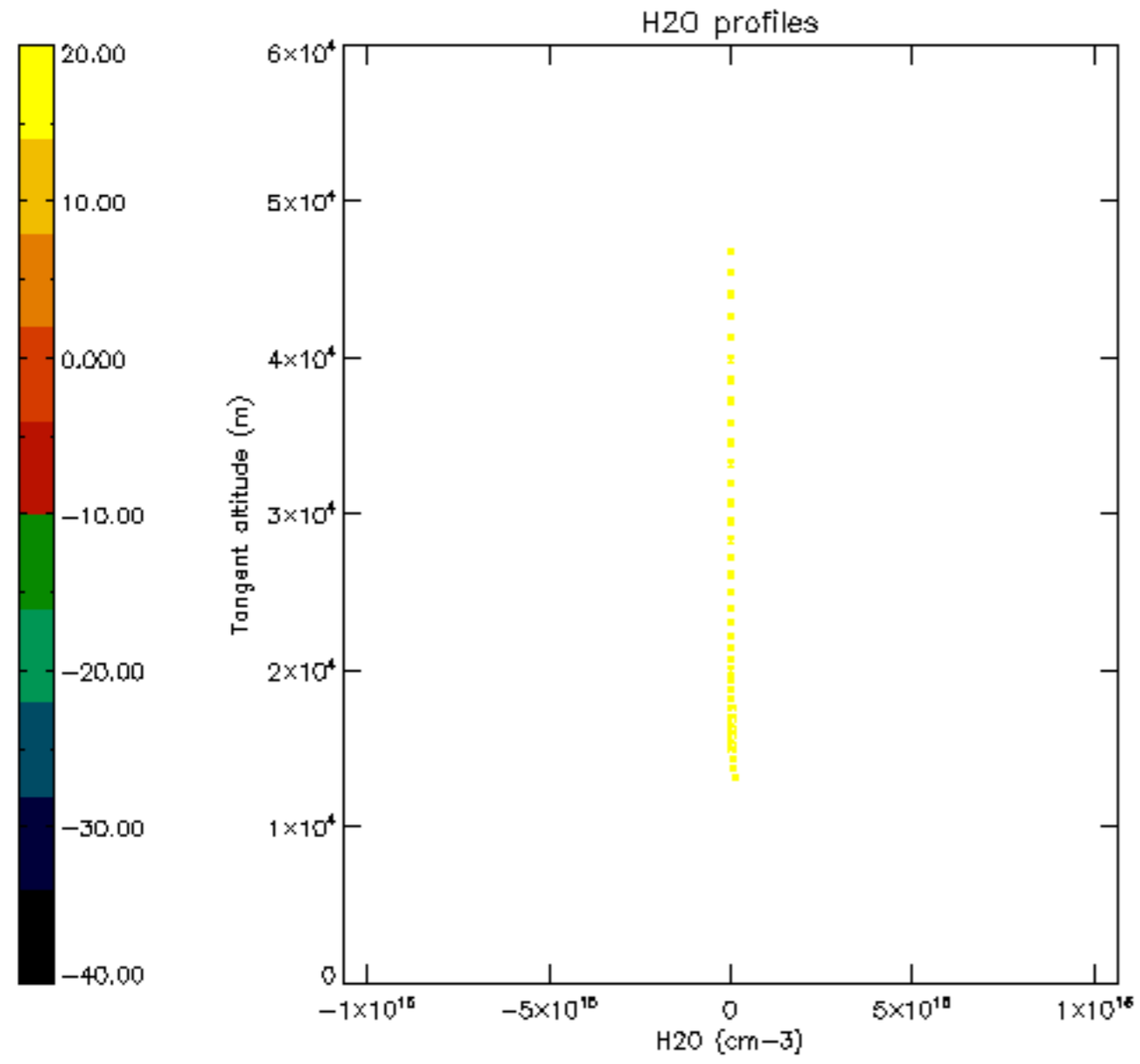


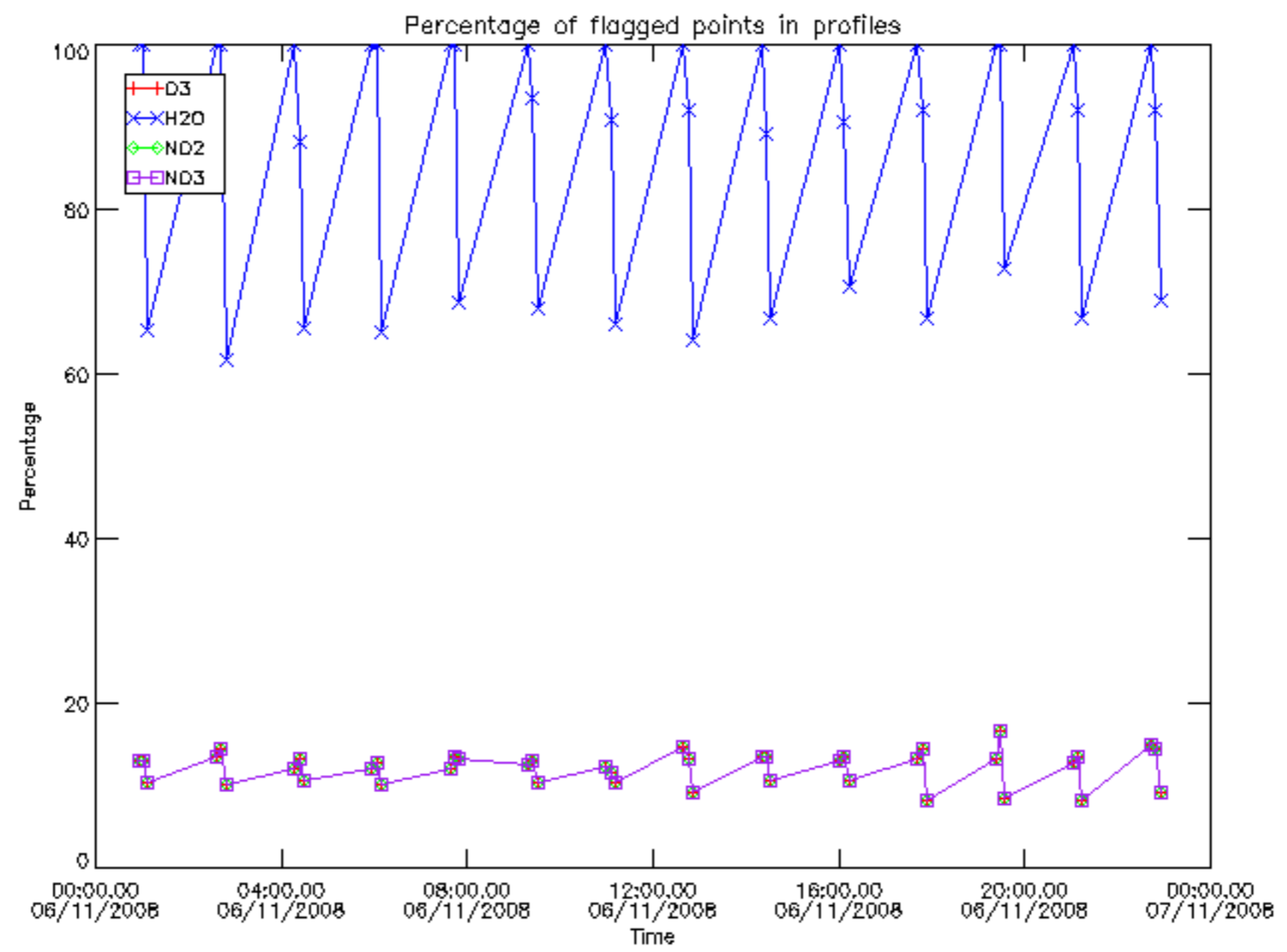




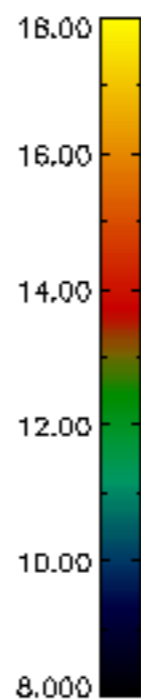
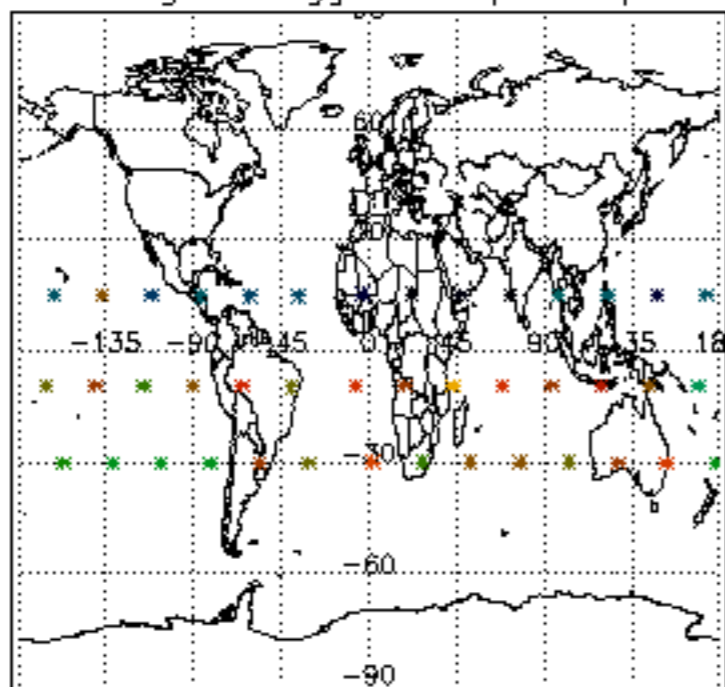




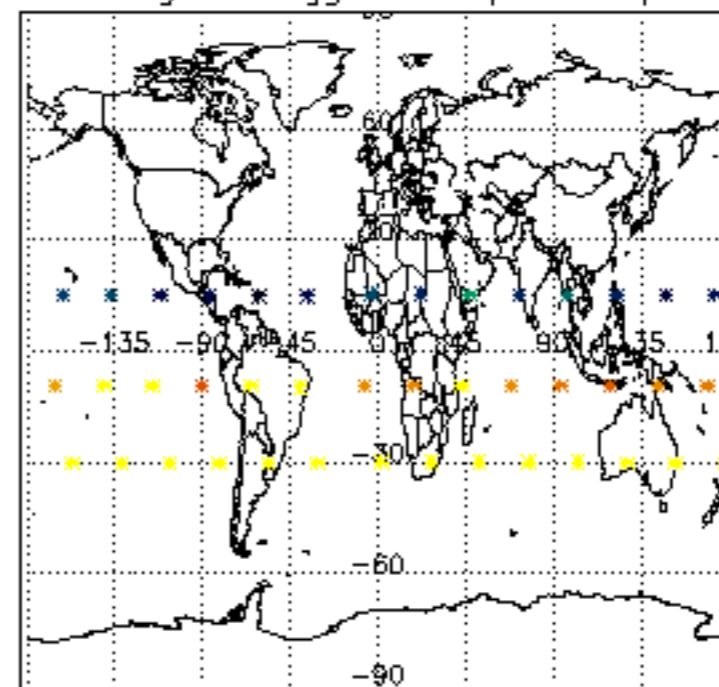




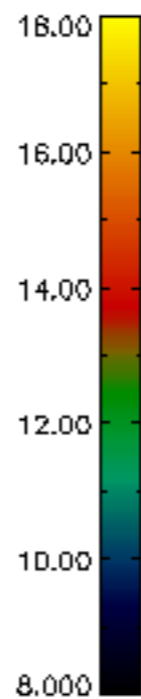
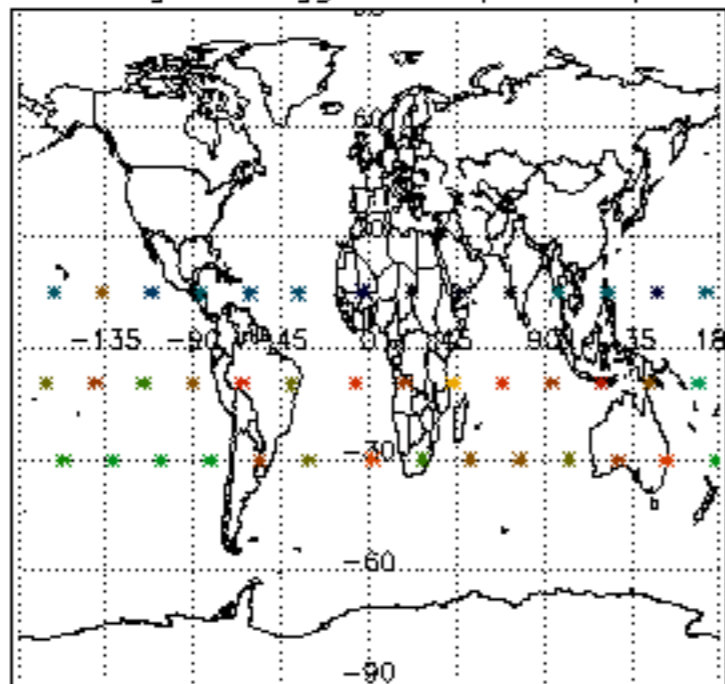
Percentage of flagged data per D3 profile



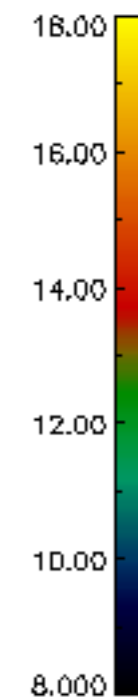
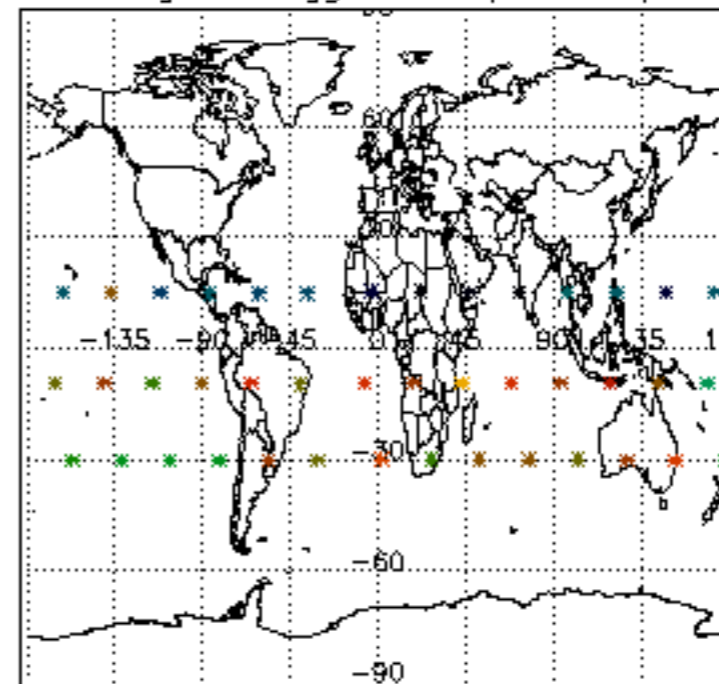
Percentage of flagged data per H2O profile

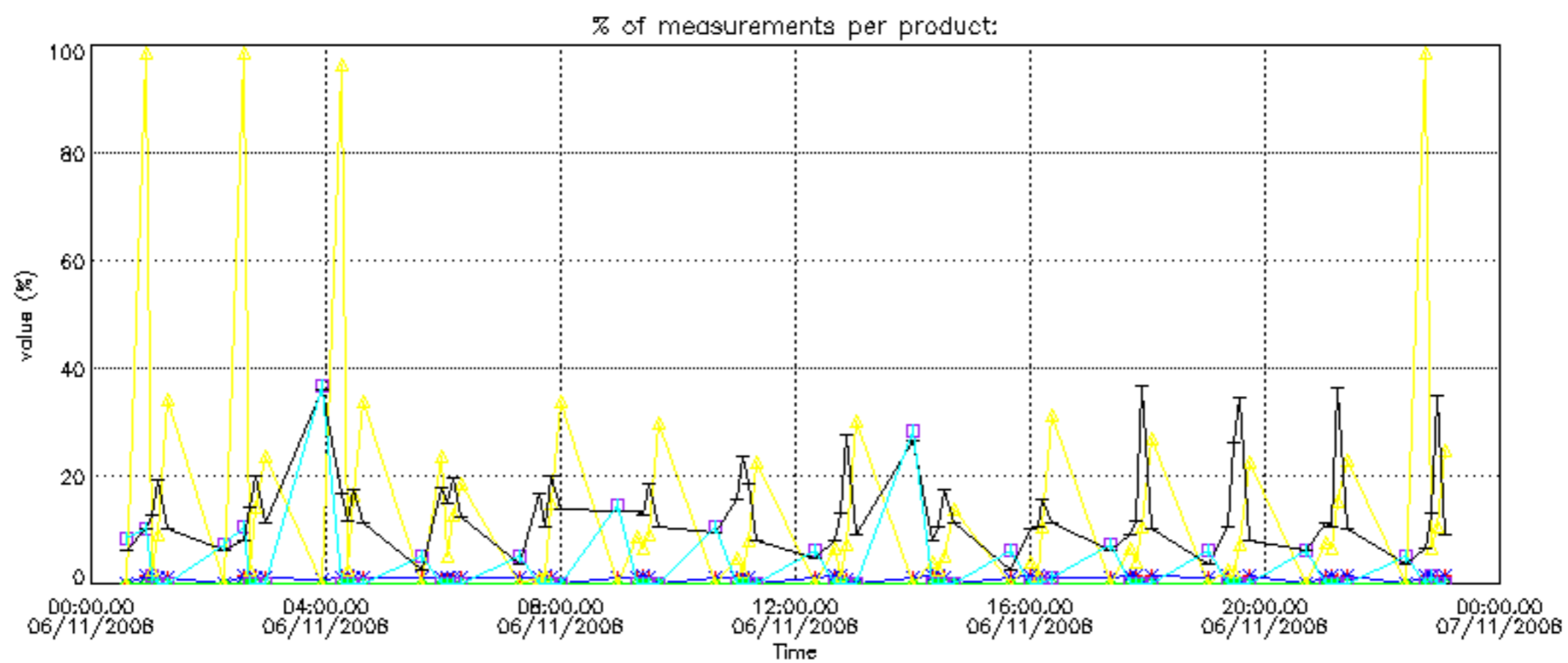


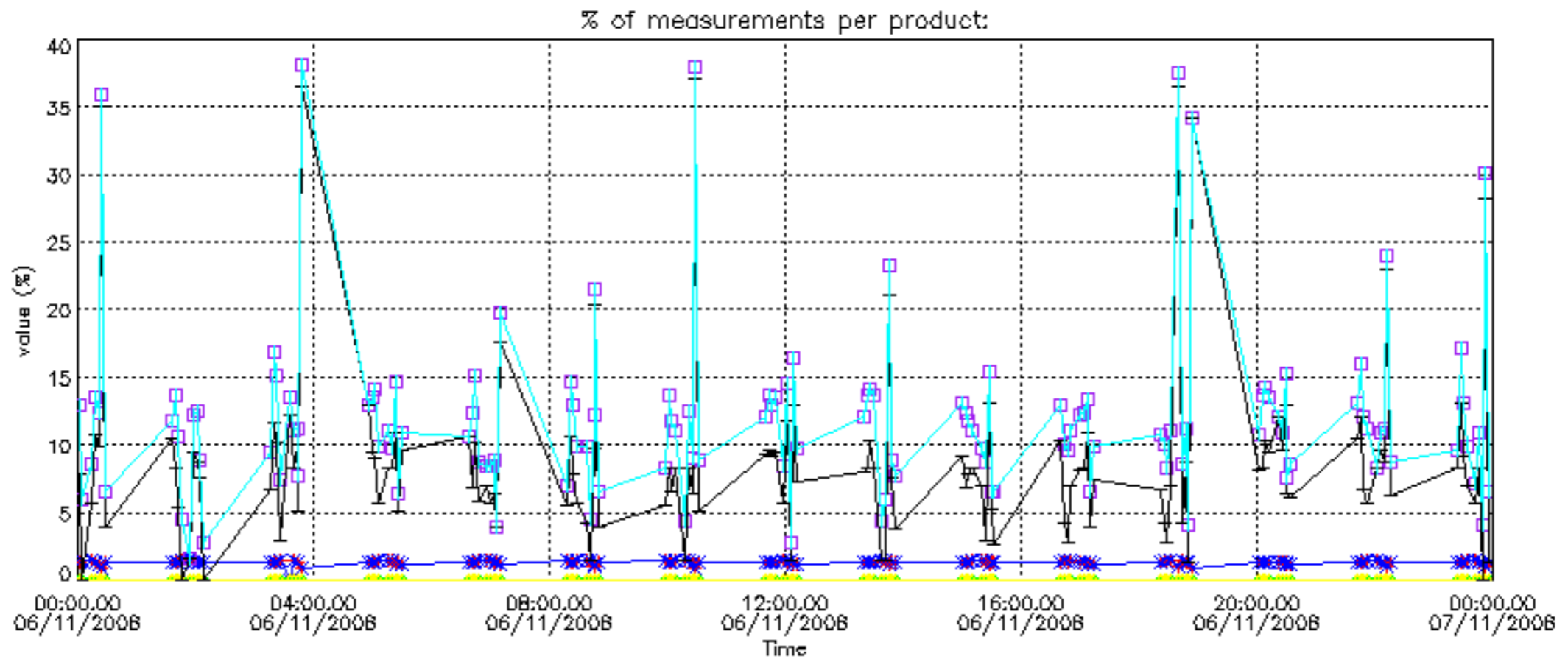
Percentage of flagged data per NO2 profile



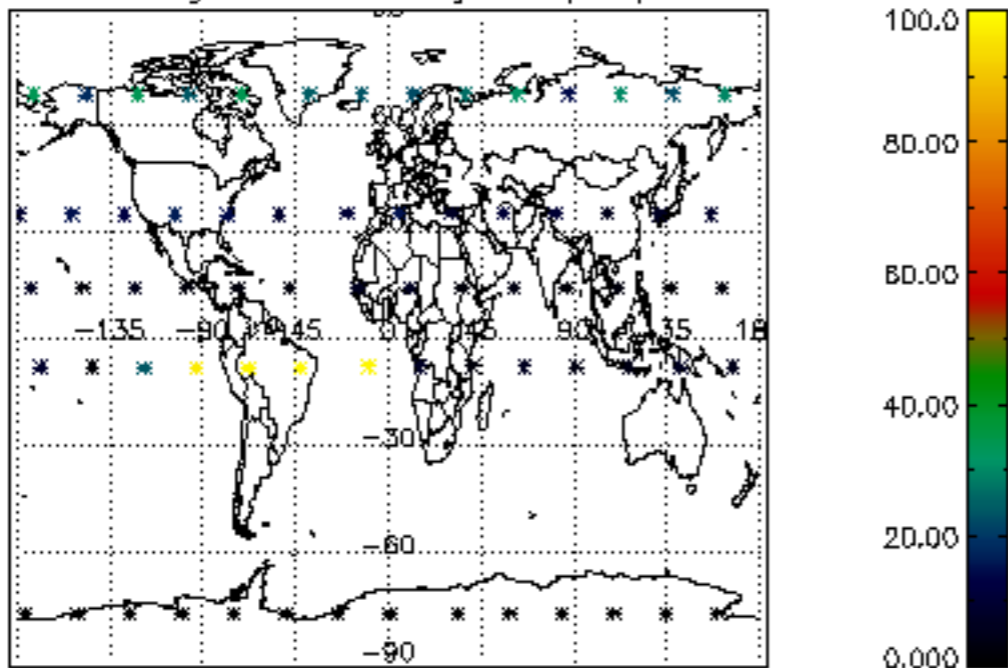
Percentage of flagged data per NO3 profile



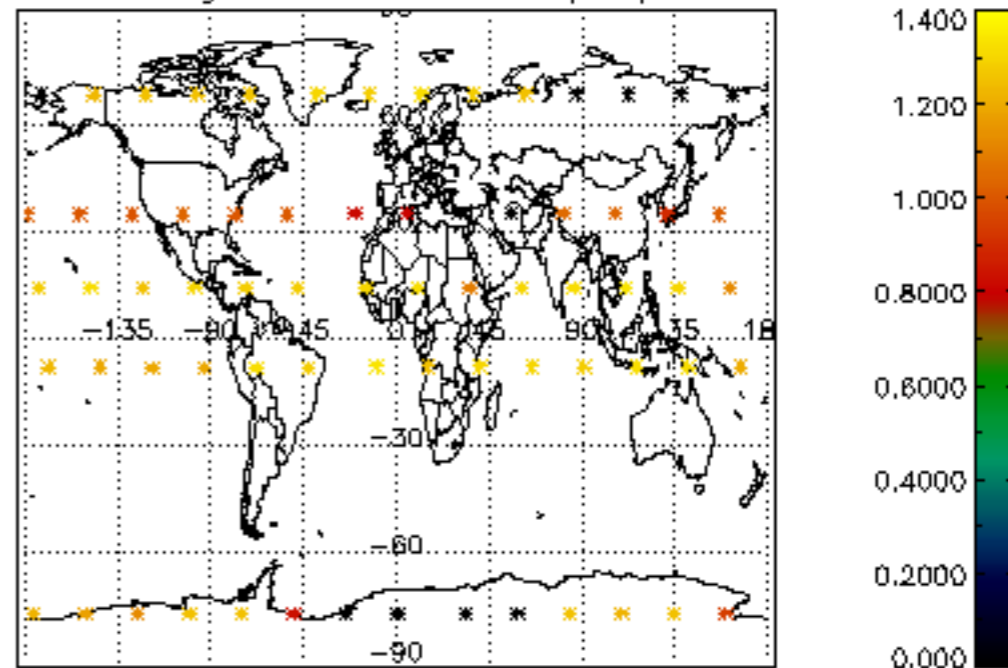




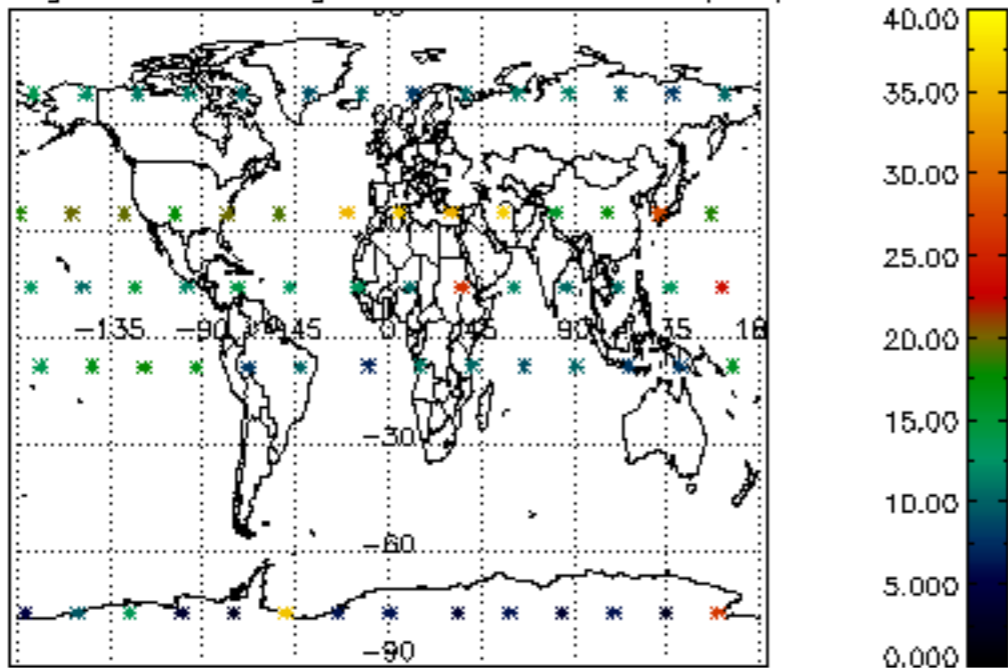
Percentage of cosmic ray hits per profile



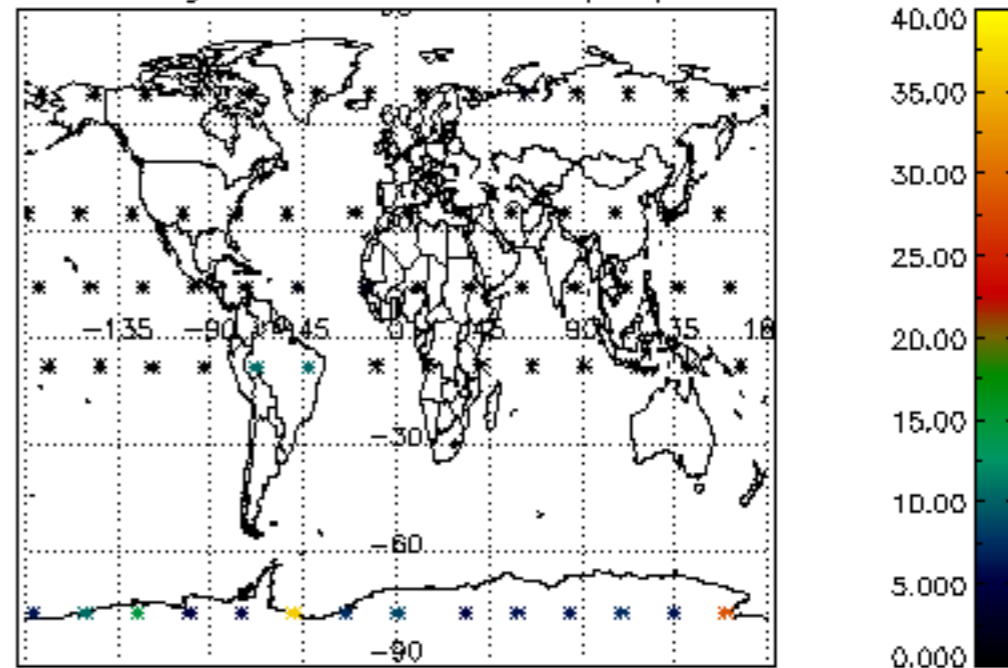
Percentage of datation errors per profile



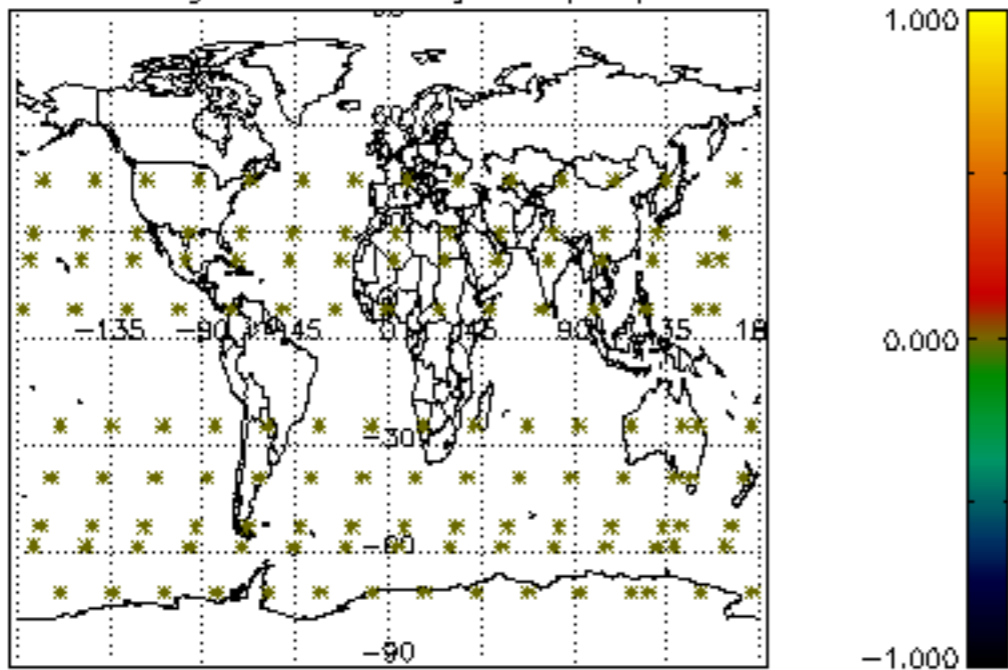
Percentage of star falling outside central band per profile



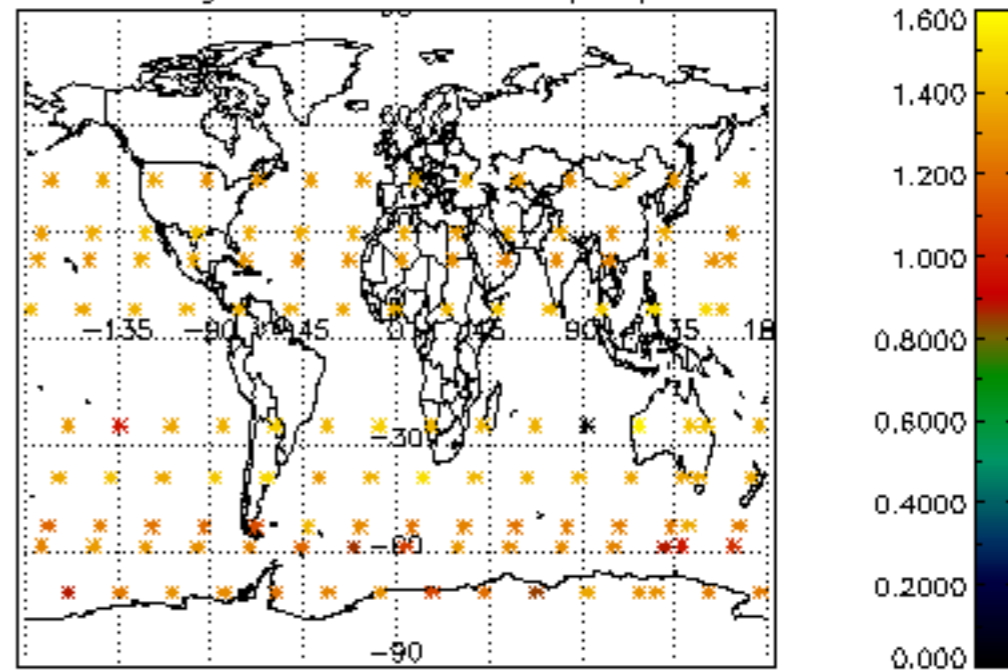
Percentage of saturation errors per profile



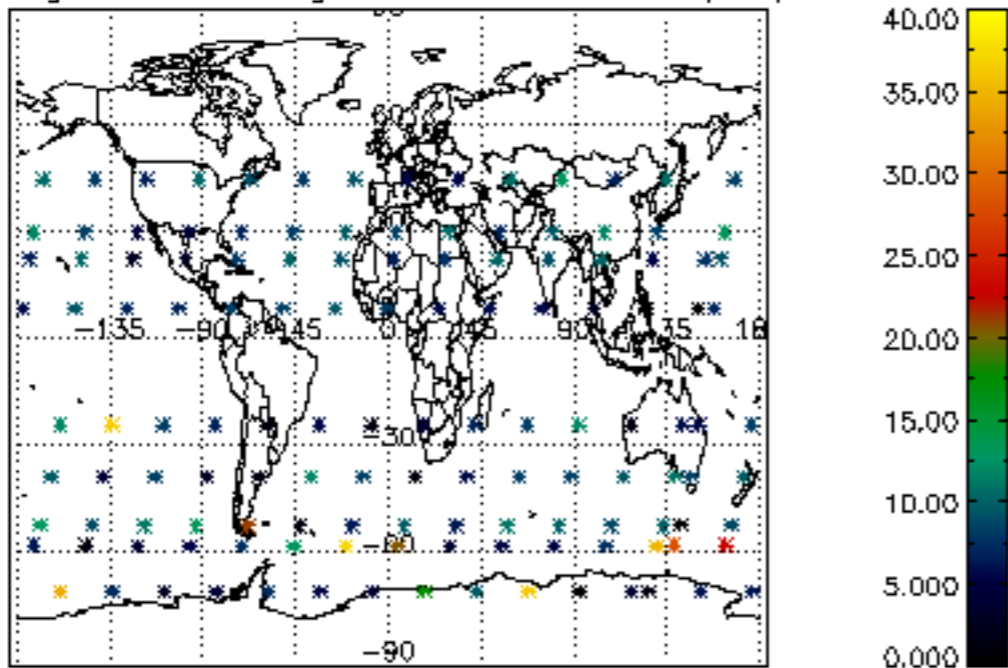
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

