

GOMOS Level 2 Daily Report

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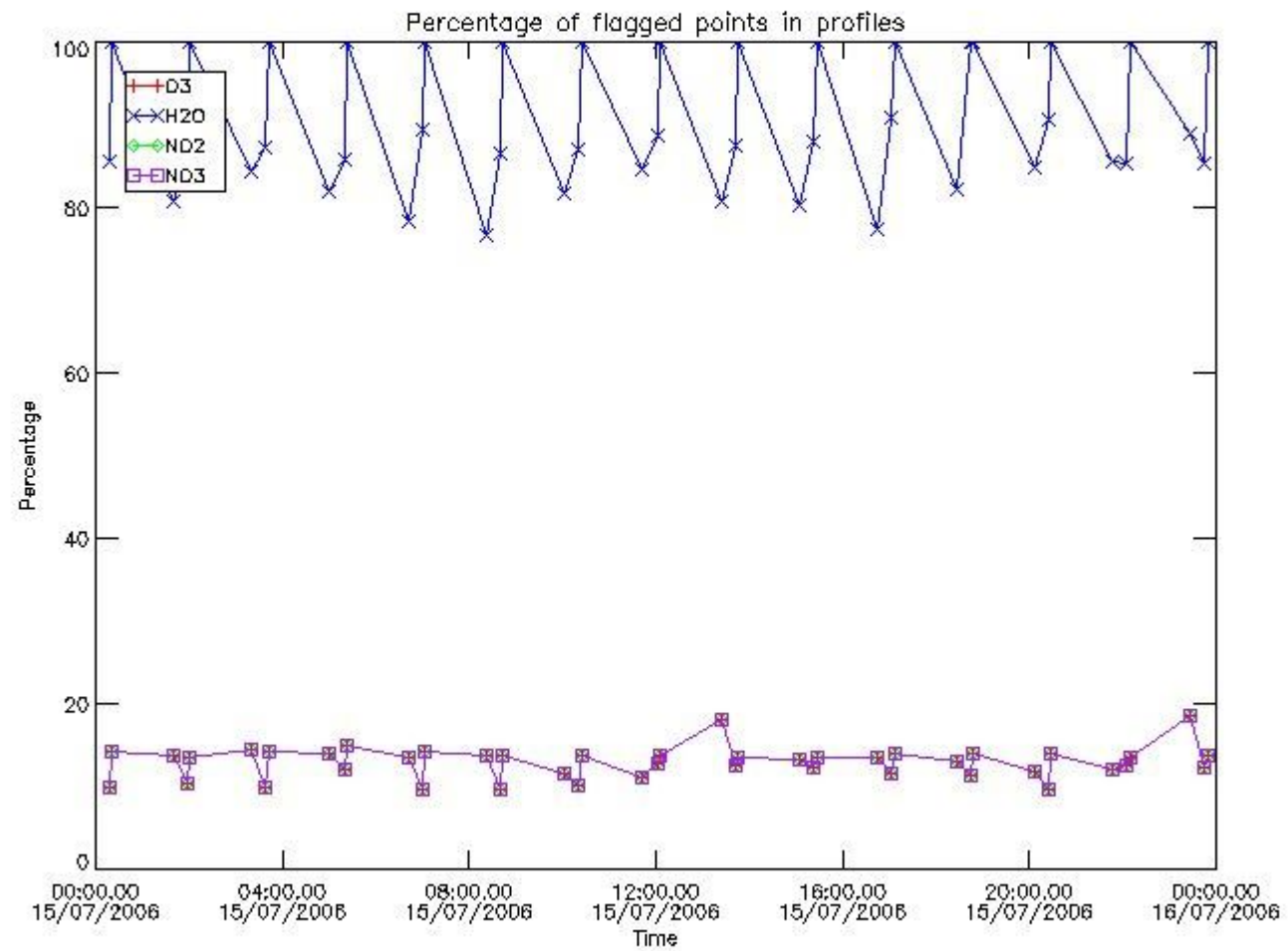
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220	GOM_NL__2PRFIN20060715_225210_000000342049_00273_22872_0017.N1	15-JUL-2006 22:52:10	Bright	33.500	119	14Eta Dra	2.7270	4700.0	67	22872	No
221	GOM_NL__2PRFIN20060715_225623_000000332049_00273_22872_0018.N1	15-JUL-2006 22:56:23	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	22872	No
222	GOM_NL__2PRFIN20060715_225957_000000322049_00273_22872_0019.N1	15-JUL-2006 22:59:57	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	22872	No
223	GOM_NL__2PRFIN20060715_232112_000000532049_00273_22872_0020.N1	15-JUL-2006 23:21:12	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	22872	No
224	GOM_NL__2PRFIN20060715_232732_000000412049_00273_22872_0021.N1	15-JUL-2006 23:27:32	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	22872	No
225	GOM_NL__2PRFIN20060715_234544_000000422049_00274_22873_0006.N1	15-JUL-2006 23:45:44	Dark	41.500	9	Alp Eri	0.45300	24000.	83	22873	No
226	GOM_NL__2PRFIN20060715_234917_000000372049_00274_22873_0007.N1	15-JUL-2006 23:49:17	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22873	No
227	GOM_NL__2PRFIN20060715_235315_000000412049_00274_22873_0008.N1	15-JUL-2006 23:53:15	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	22873	No
228	GOM_NL__2PRFIN20060715_235707_000000402049_00274_22873_0009.N1	15-JUL-2006 23:57:07	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22873	No

3. Quality information per product

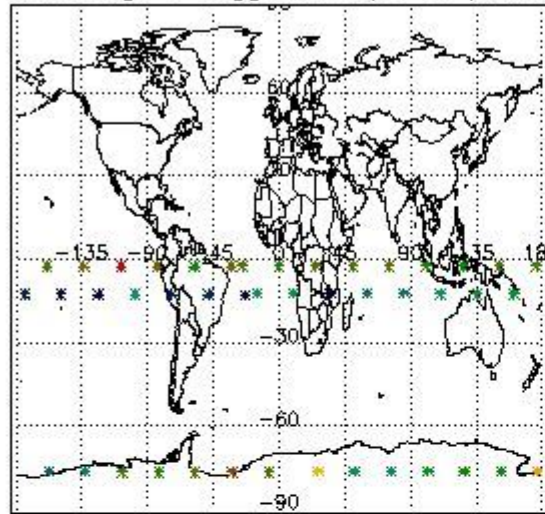
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

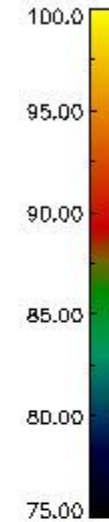
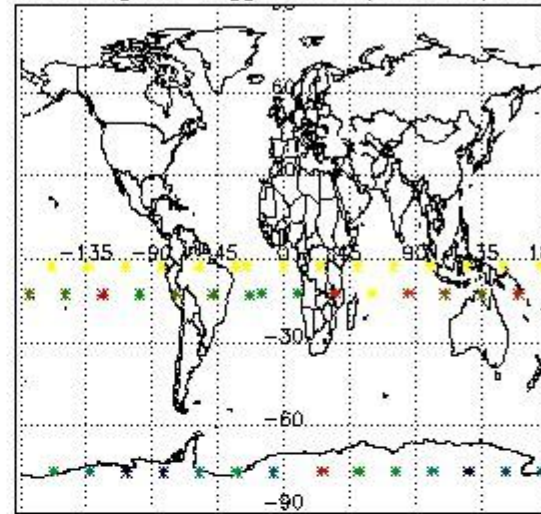


3.2 Plot quality information per product (world map)

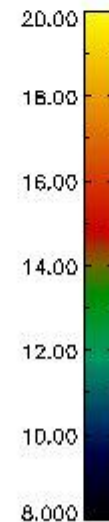
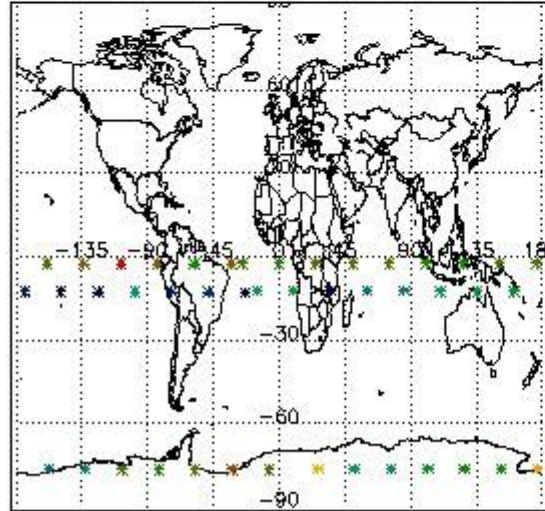
Percentage of flagged data per O3 profile



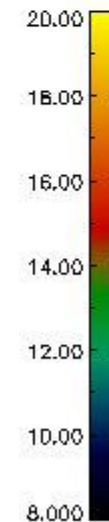
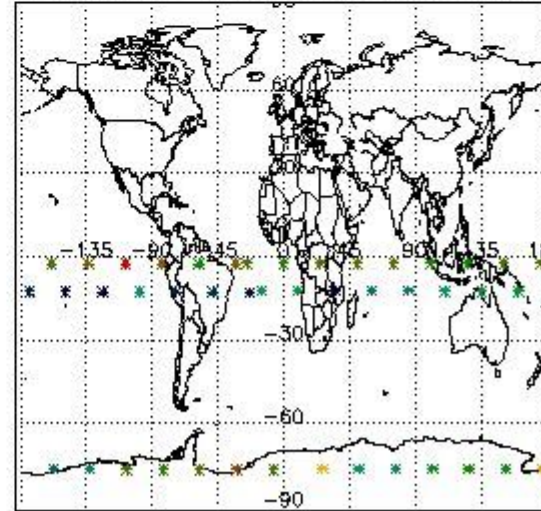
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

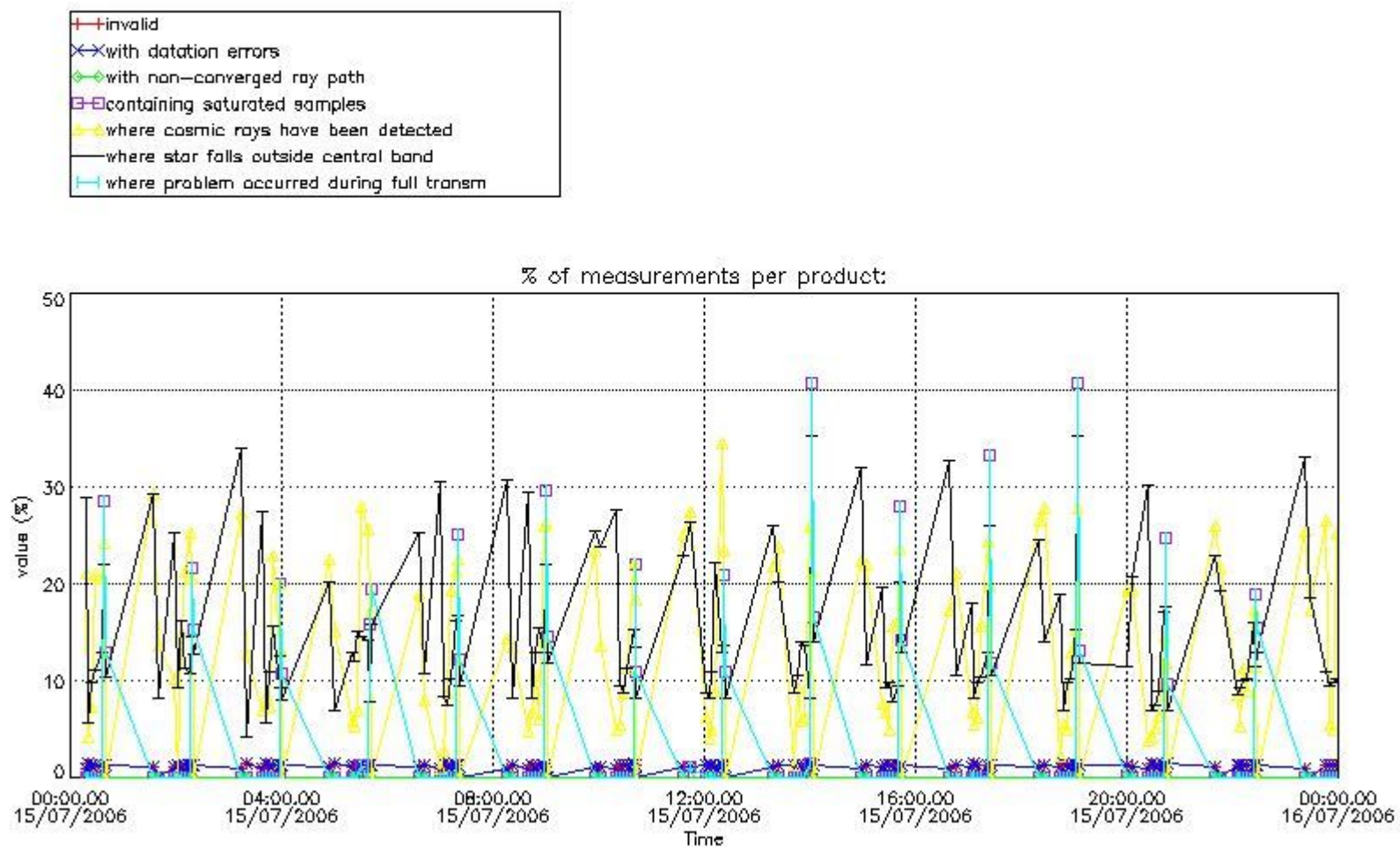


4. Level 1 quality information per product

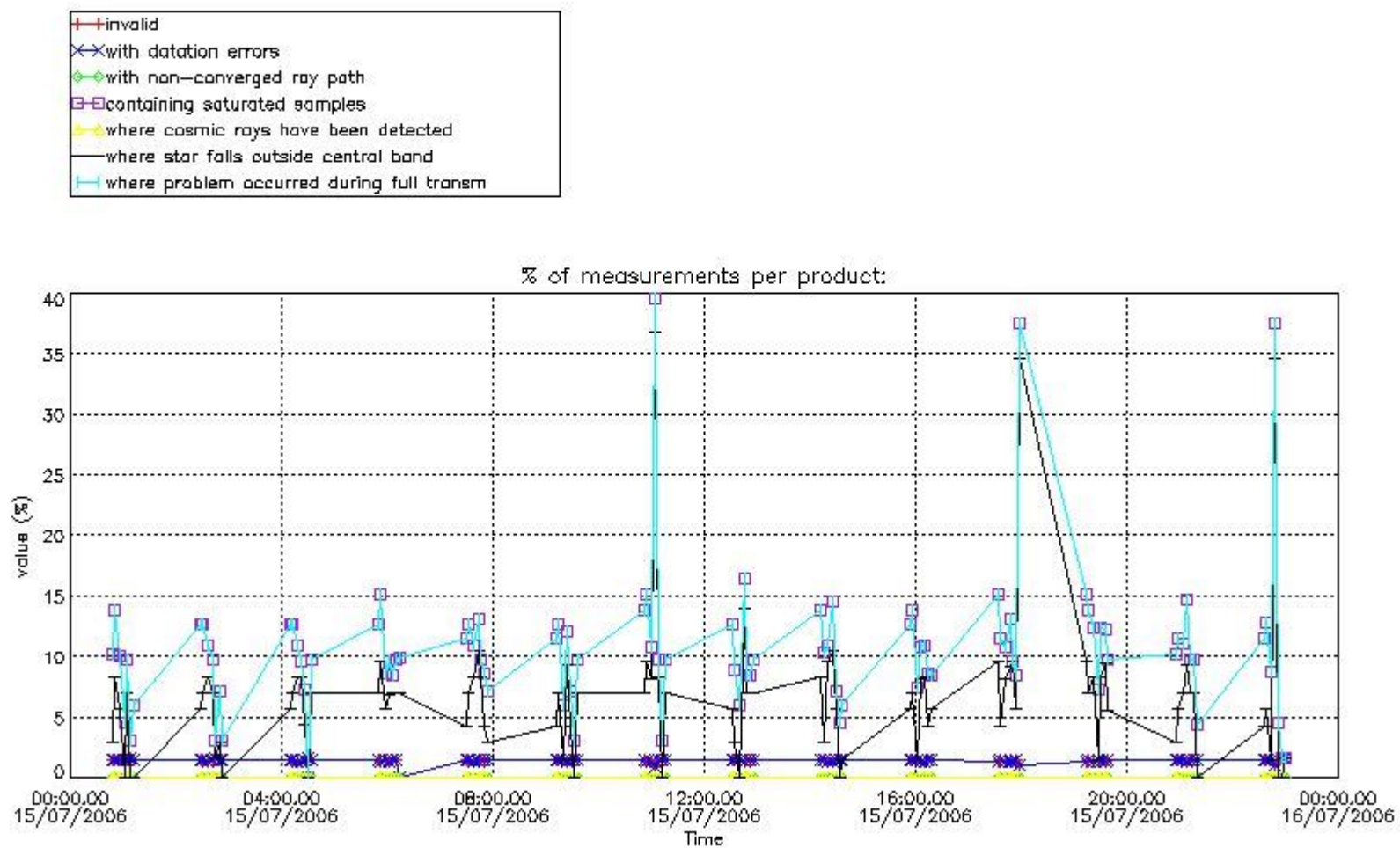
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

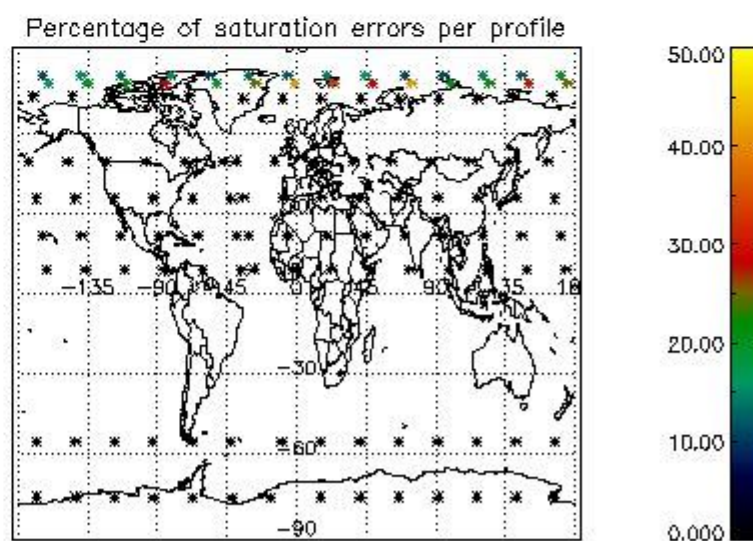
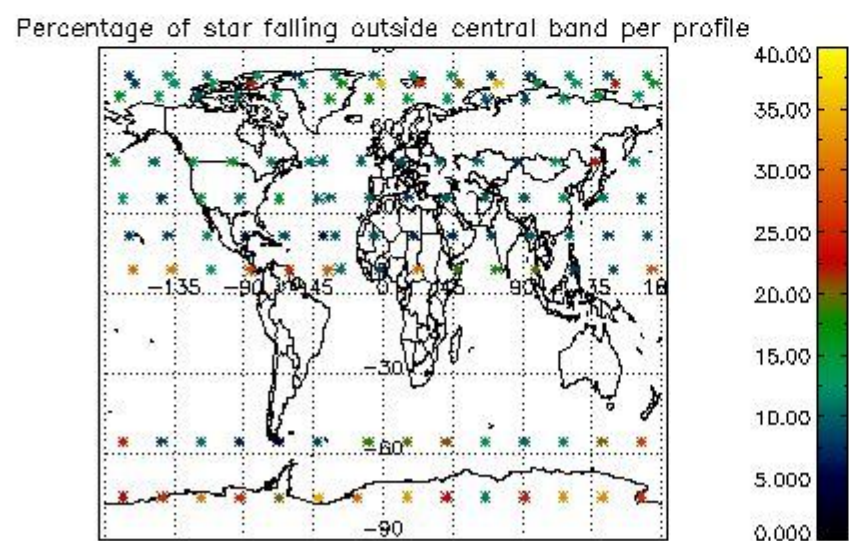
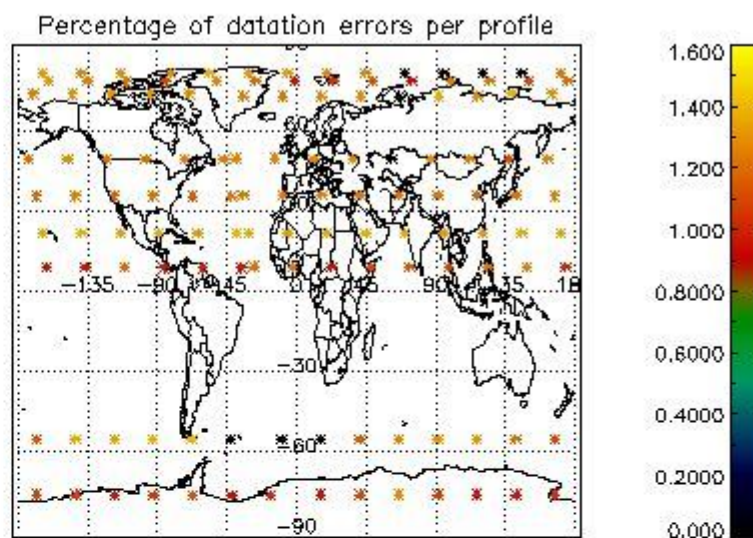
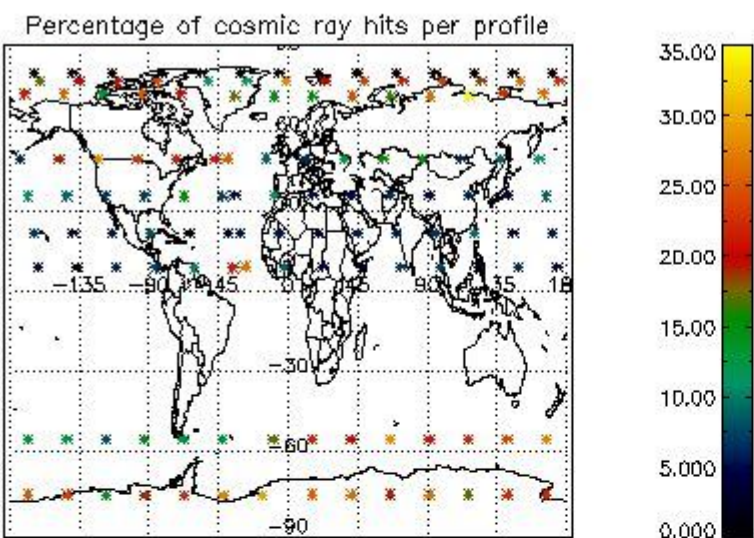


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

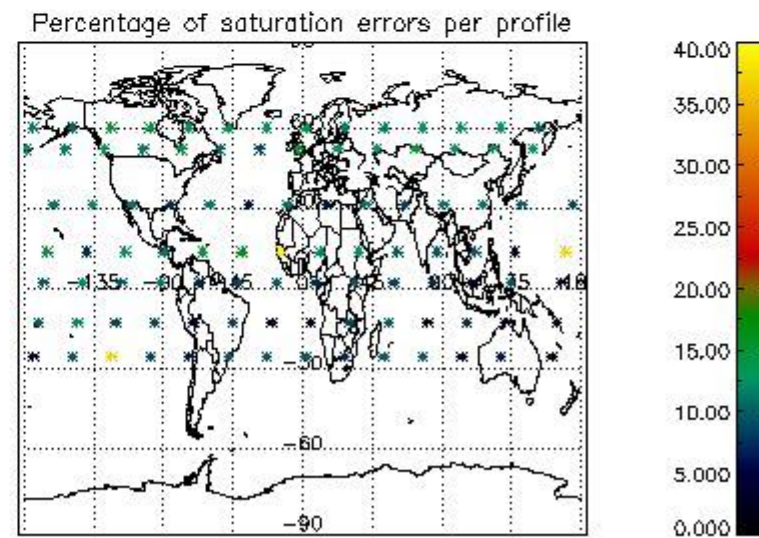
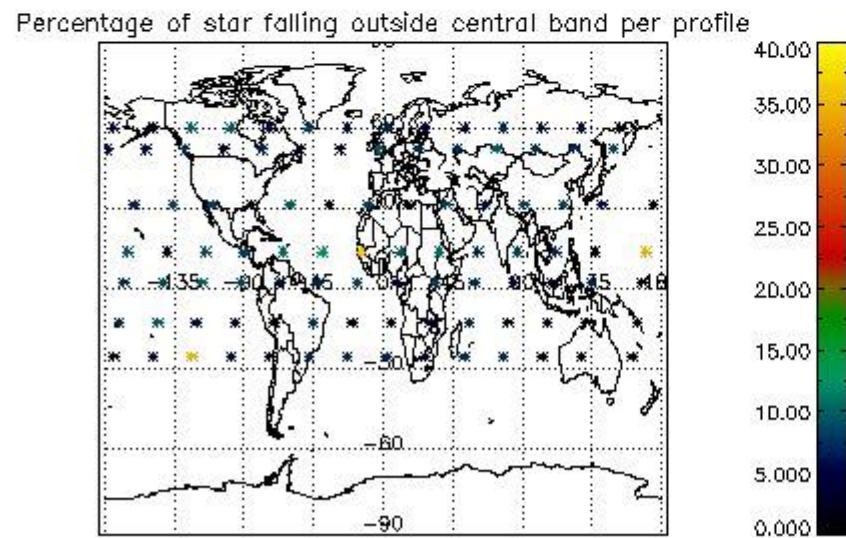
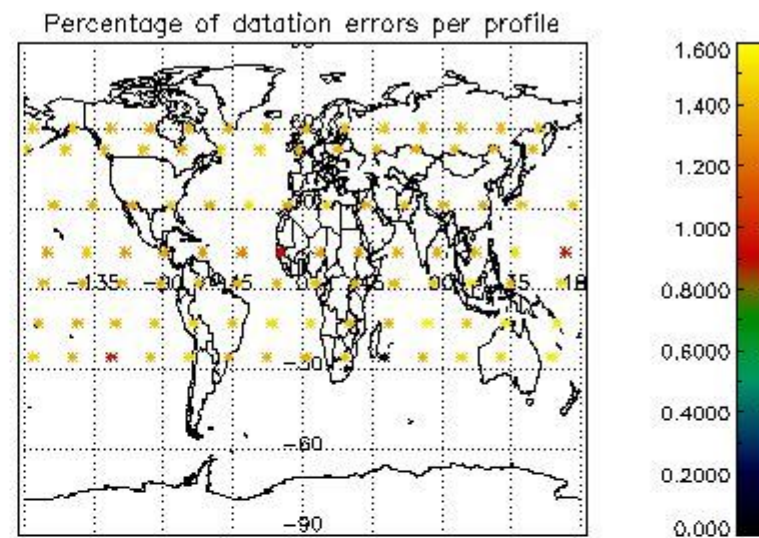
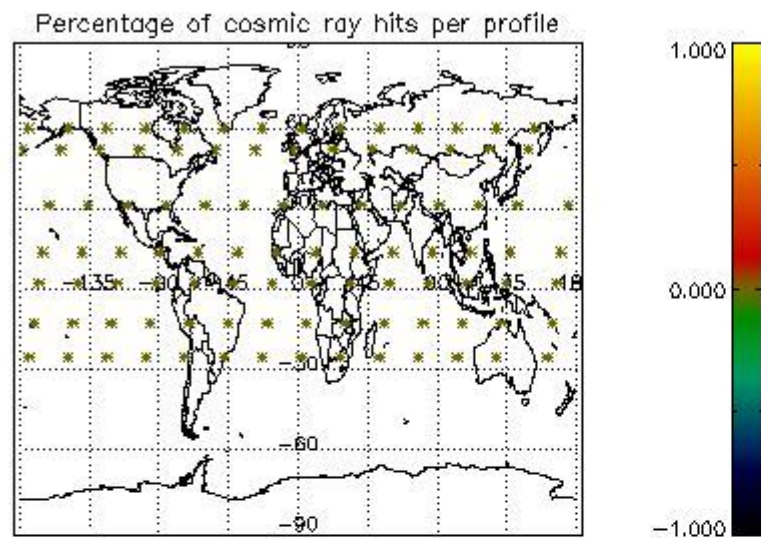


4.2 Plot quality information per product coming from level 1b processing (world map)

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

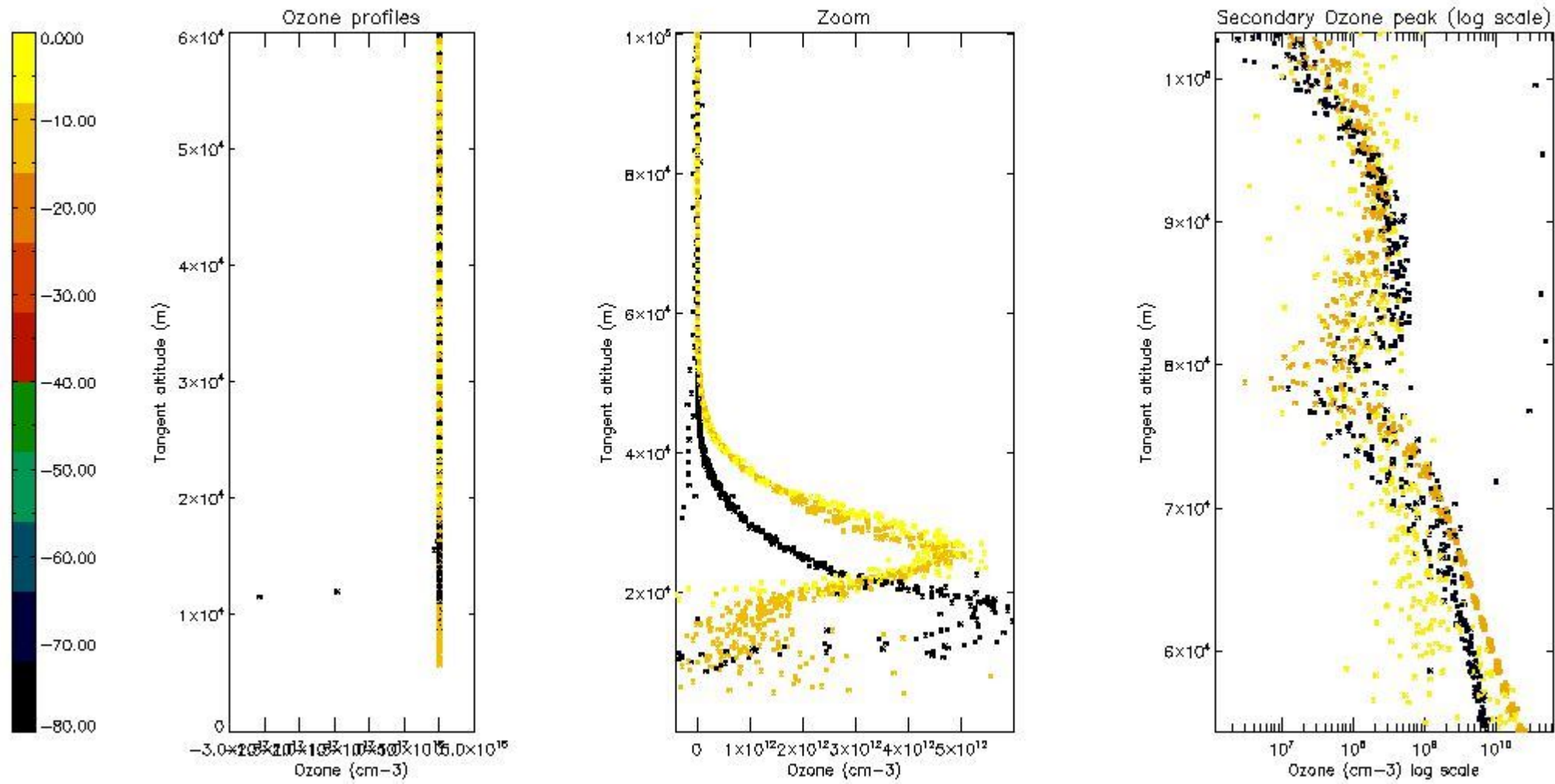
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	13

STD < 10	11
STD < 5	8

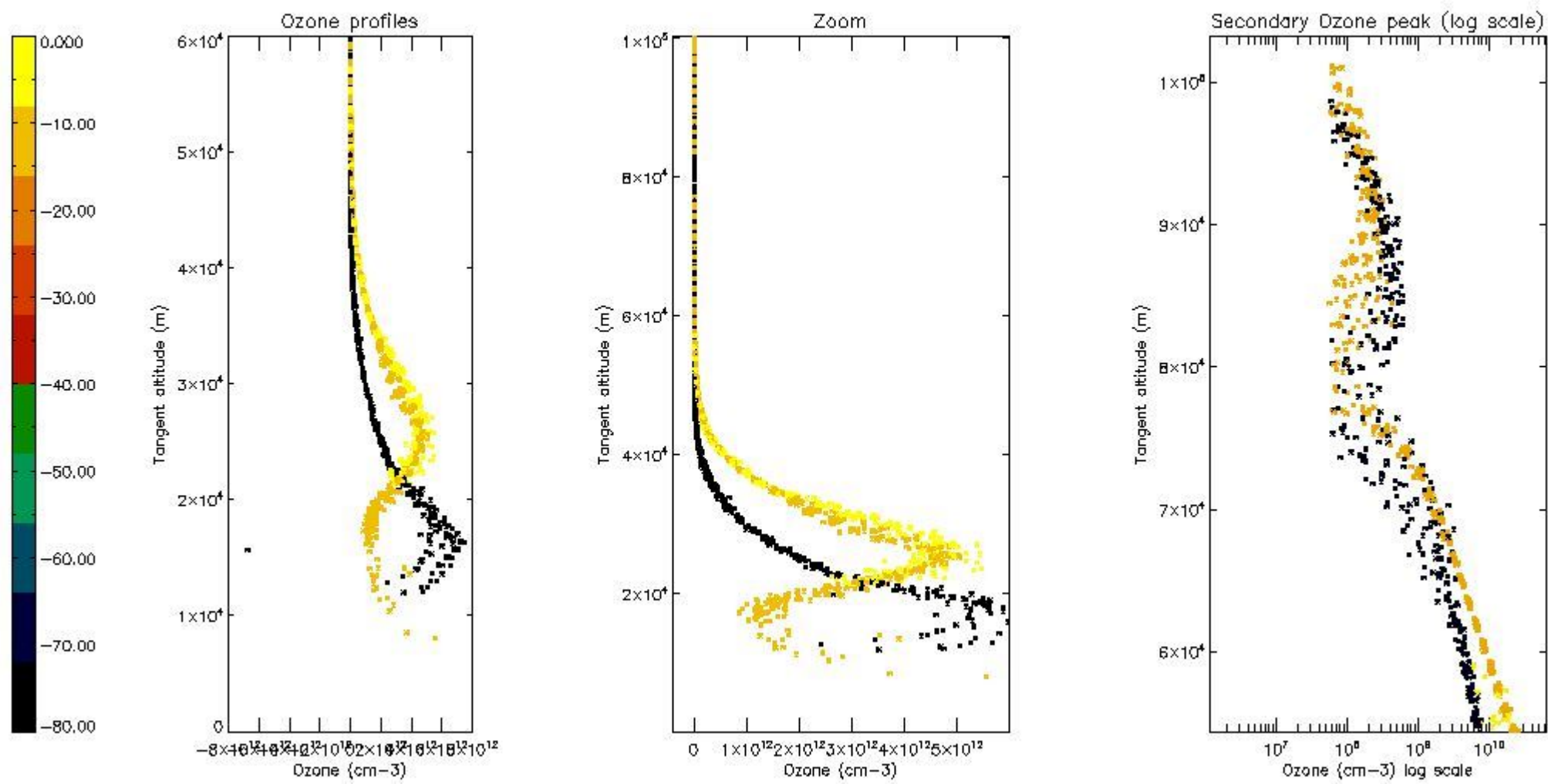
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



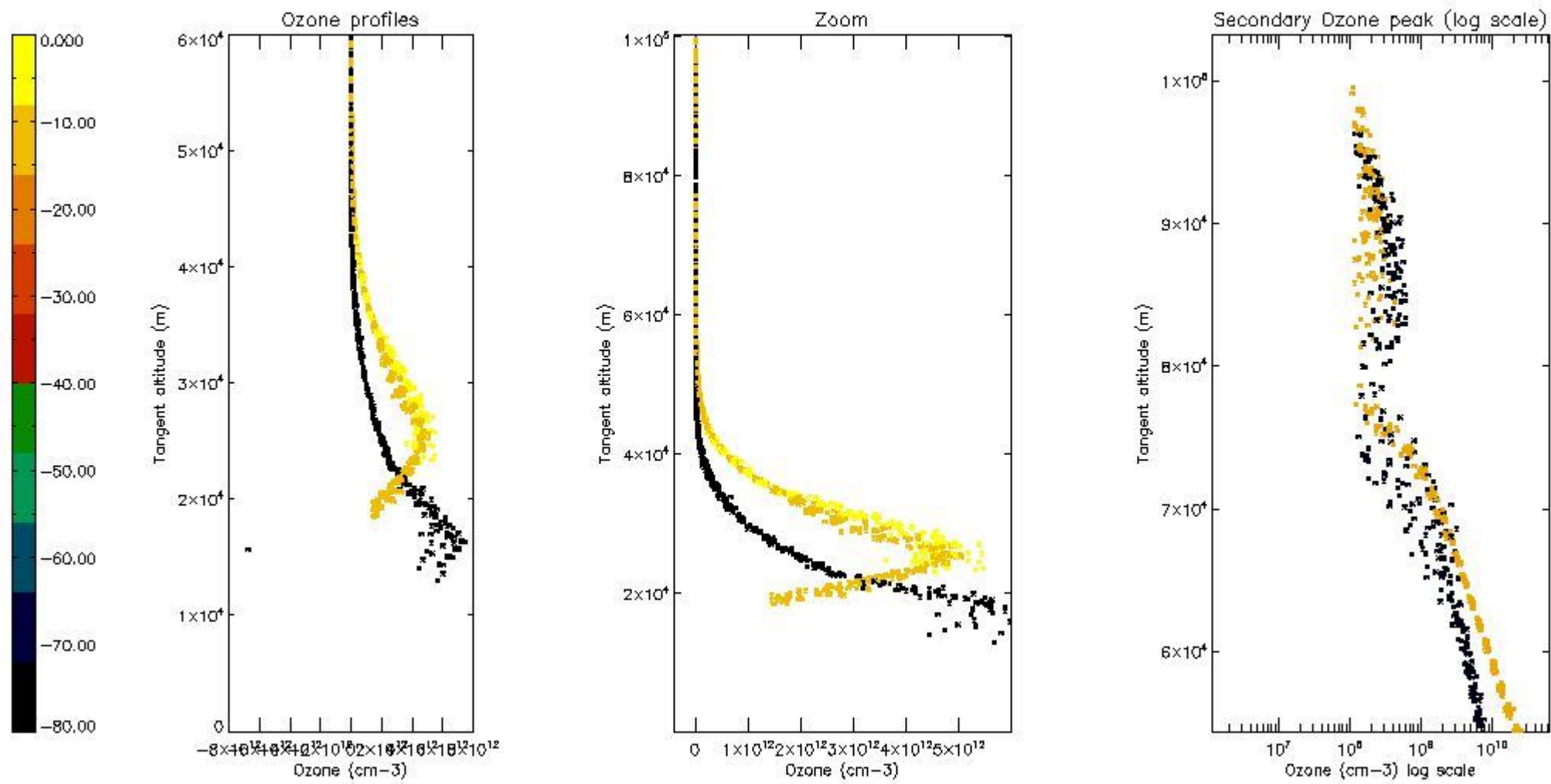
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



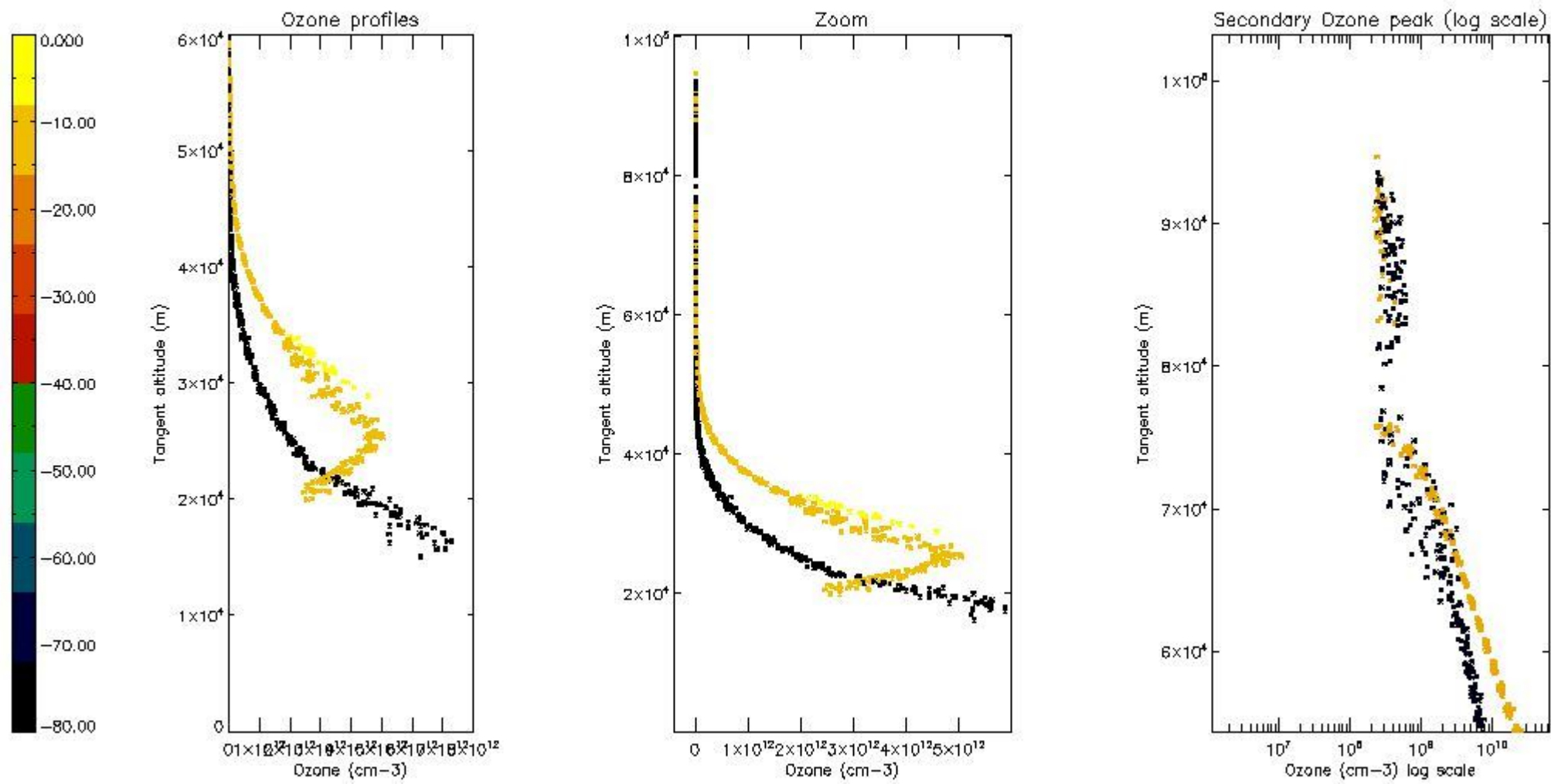
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



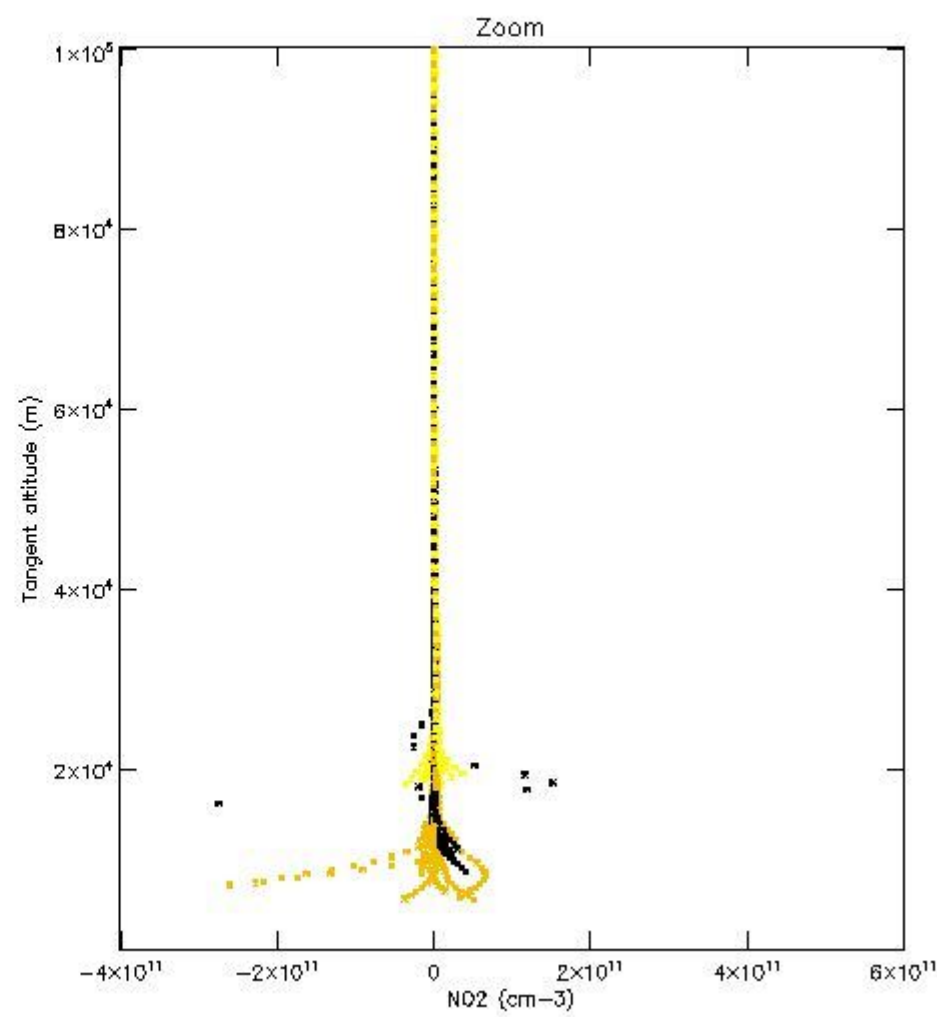
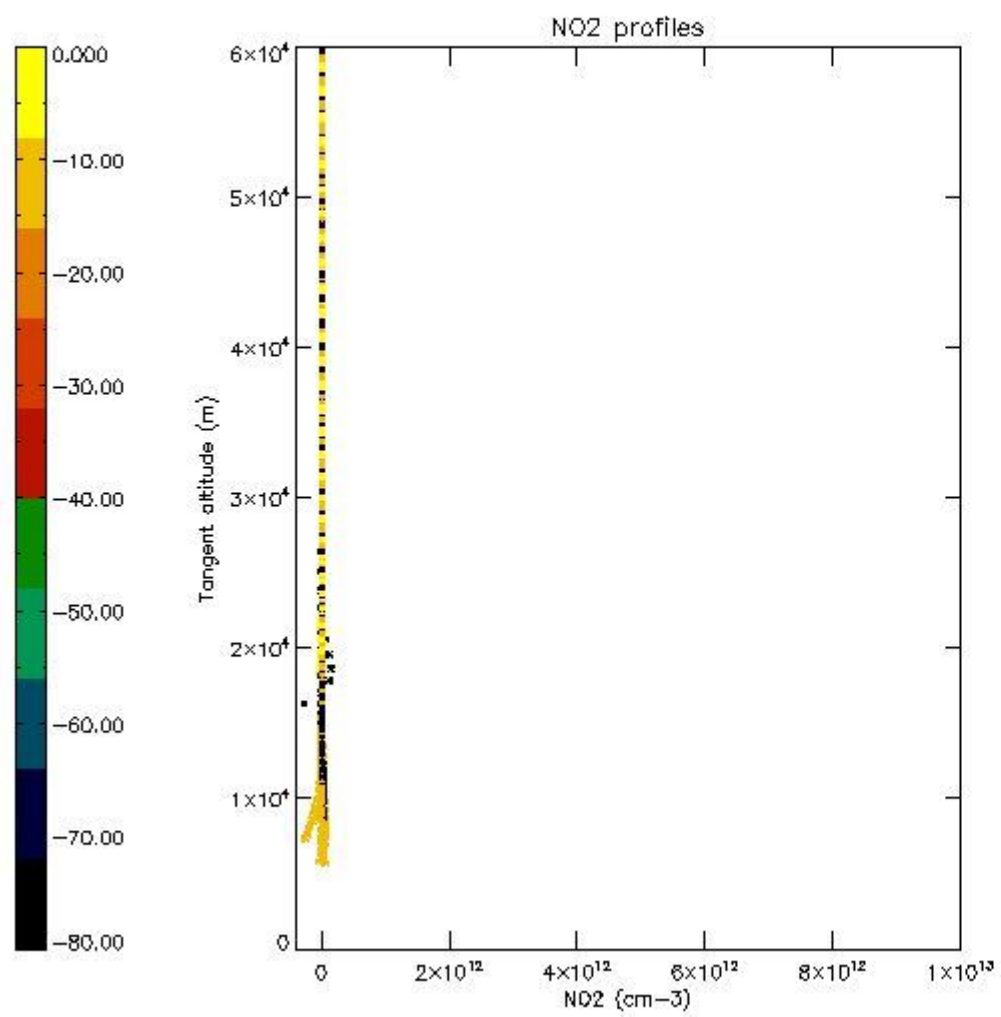
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



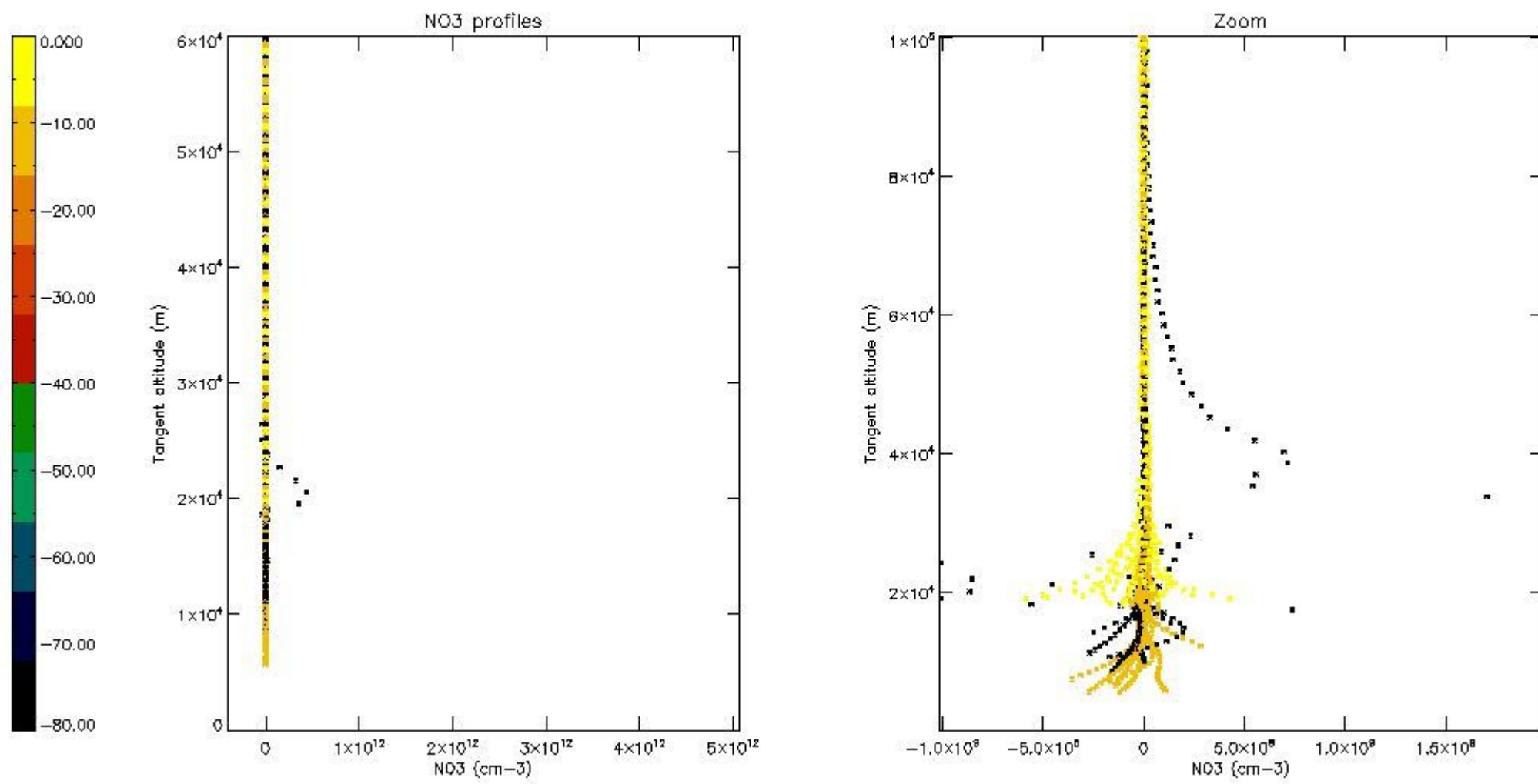
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



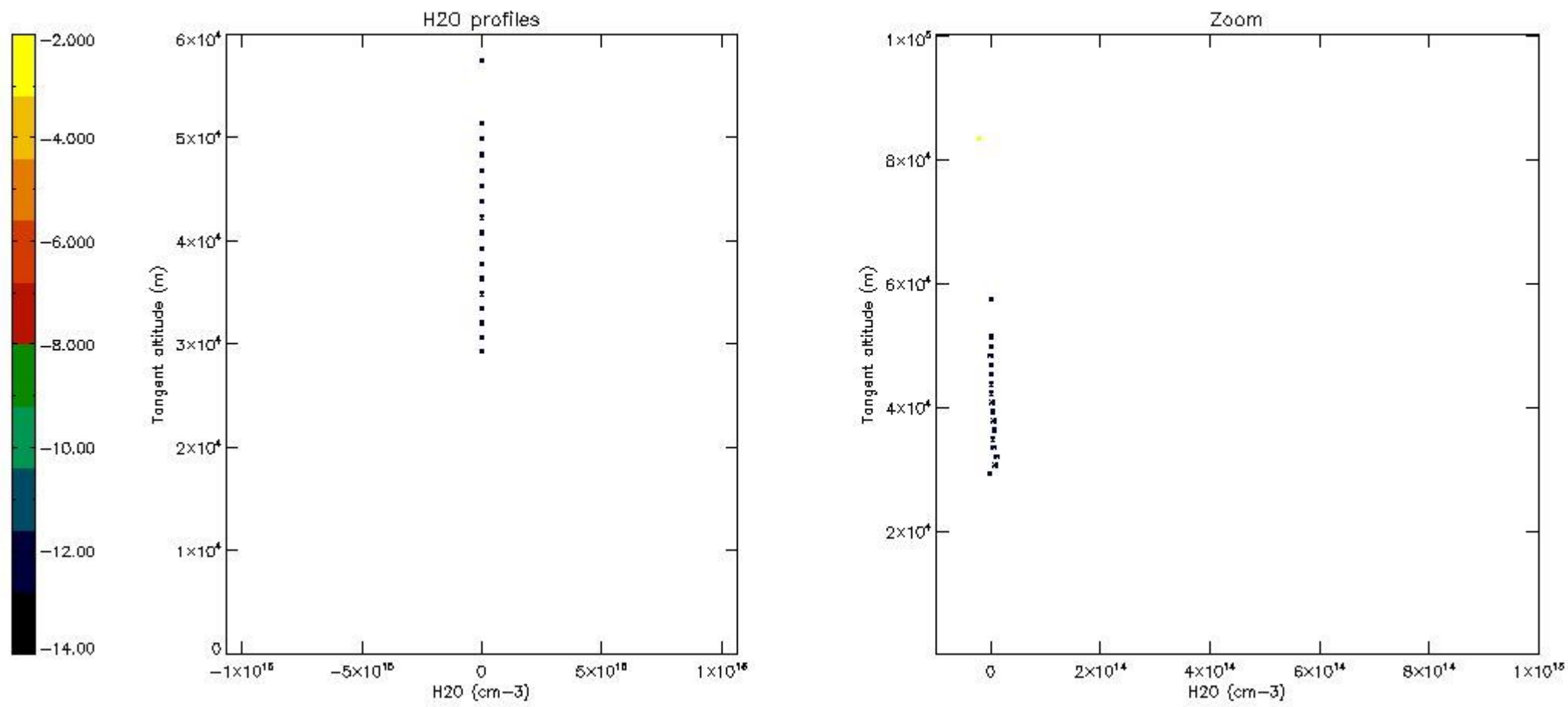
5.7 Plot NO3 profiles for all STD (dark without errors)

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	15-JUL-2006 00:17:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-JUL-2006 00:17:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-JUL-2006 00:17:12

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	24APR2013 01:48:50
Data source version	GOMOS/6.01
Start time of products	15-07-2006 (15JUL2006 00:00:00)
Stop time of products	16-07-2006 (16JUL2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	228
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__2PRFIN20060715_001712_000000522049_00260_22859_9966.N1	15-JUL-2006 00:17:12	Dark	52.000	9	Alp Eri	0.45300	24000.	104	22859	No
2	GOM_NL__2PRFIN20060715_002050_000000362049_00260_22859_9967.N1	15-JUL-2006 00:20:50	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	22859	No
3	GOM_NL__2PRFIN20060715_002444_000000412049_00260_22859_9968.N1	15-JUL-2006 00:24:44	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	22859	No
4	GOM_NL__2PRFIN20060715_002839_000000412049_00260_22859_9969.N1	15-JUL-2006 00:28:39	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	22859	No
5	GOM_NL__2PRFIN20060715_003555_000000392049_00260_22859_9970.N1	15-JUL-2006 00:35:55	Twilight_and_stray	39.000	85	Kap Sco	2.4070	28000.	78	22859	No
6	GOM_NL__2PRFIN20060715_003732_000000462049_00260_22859_9971.N1	15-JUL-2006 00:37:32	Bright	45.500	103	38Zet Sgr	2.6000	9700.0	91	22859	No
7	GOM_NL__2PRFIN20060715_003912_000000392049_00260_22859_9972.N1	15-JUL-2006 00:39:12	Bright	38.500	137	22Lam Sgr	2.8240	4400.0	77	22859	No
8	GOM_NL__2PRFIN20060715_004800_000000352049_00260_22859_9973.N1	15-JUL-2006 00:48:00	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	22859	No
9	GOM_NL__2PRFIN20060715_005017_000000362049_00260_22859_9974.N1	15-JUL-2006 00:50:17	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	22859	No
10	GOM_NL__2PRFIN20060715_005609_000000352049_00260_22859_9975.N1	15-JUL-2006 00:56:09	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	22859	No
11	GOM_NL__2PRFIN20060715_010111_000000332049_00260_22859_9976.N1	15-JUL-2006 01:01:11	Bright	33.000	69	33Gam Dra	2.2310	3800.0	66	22859	No
12	GOM_NL__2PRFIN20060715_010420_000000362049_00260_22859_9977.N1	15-JUL-2006 01:04:20	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22859	No
13	GOM_NL__2PRFIN20060715_010833_000000332049_00260_22859_9978.N1	15-JUL-2006 01:08:33	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	22859	No
14	GOM_NL__2PRFIN20060715_011210_000000342049_00260_22859_9979.N1	15-JUL-2006 01:12:10	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	22859	No
15	GOM_NL__2PRFIN20060715_013322_000000502049_00260_22859_9980.N1	15-JUL-2006 01:33:22	Twilight	49.500	13	87Alp Tau	0.86700	3800.0	99	22859	No
16	GOM_NL__2PRFIN20060715_013941_000000372049_00260_22859_9981.N1	15-JUL-2006 01:39:41	Dark	36.500	7	19Bet Ori	0.10000	14000.	73	22859	No
17	GOM_NL__2PRFIN20060715_015749_000000502049_00261_22860_9966.N1	15-JUL-2006 01:57:49	Dark	49.500	9	Alp Eri	0.45300	24000.	99	22860	No
18	GOM_NL__2PRFIN20060715_020126_000000382049_00261_22860_9967.N1	15-JUL-2006 02:01:26	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	22860	No
19	GOM_NL__2PRFIN20060715_020520_000000442049_00261_22860_9968.N1	15-JUL-2006 02:05:20	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	22860	No
20	GOM_NL__2PRFIN20060715_020915_000000402049_00261_22860_9969.N1	15-JUL-2006 02:09:15	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	22860	No
21	GOM_NL__2PRFIN20060715_021631_000000382049_00261_22860_9970.N1	15-JUL-2006 02:16:31	Twilight_and_stray	37.500	85	Kap Sco	2.4070	28000.	75	22860	No
22	GOM_NL__2PRFIN20060715_021808_000000422049_00261_22860_9971.N1	15-JUL-2006 02:18:08	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	22860	No
23	GOM_NL__2PRFIN20060715_021949_000000402049_00261_22860_9972.N1	15-JUL-2006 02:19:49	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	22860	No
24	GOM_NL__2PRFIN20060715_022836_000000362049_00261_22860_9973.N1	15-JUL-2006 02:28:36	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22860	No
25	GOM_NL__2PRFIN20060715_023053_000000362049_00261_22860_9974.N1	15-JUL-2006 02:30:53	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22860	No
26	GOM_NL__2PRFIN20060715_023645_000000372049_00261_22860_9975.N1	15-JUL-2006 02:36:45	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22860	No
27	GOM_NL__2PRFIN20060715_024146_000000362049_00261_22860_9976.N1	15-JUL-2006 02:41:46	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	22860	No
28	GOM_NL__2PRFIN20060715_024456_000000322049_00261_22860_9977.N1	15-JUL-2006 02:44:56	Bright	32.000	119	14Eta Dra	2.7270	4700.0	64	22860	No
29	GOM_NL__2PRFIN20060715_024909_000000352049_00261_22860_9978.N1	15-JUL-2006 02:49:09	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	22860	No
30	GOM_NL__2PRFIN20060715_025246_000000342049_00261_22860_9979.N1	15-JUL-2006 02:52:46	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	22860	No
31	GOM_NL__2PRFIN20060715_031358_000000532049_00261_22860_9980.N1	15-JUL-2006 03:13:58	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	22860	No
32	GOM_NL__2PRFIN20060715_032018_000000362049_00261_22860_9981.N1	15-JUL-2006 03:20:18	Dark	35.500	7	19Bet Ori	0.10000	14000.	71	22860	No
33	GOM_NL__2PRFIN20060715_033825_000000512049_00262_22861_9986.N1	15-JUL-2006 03:38:25	Dark	51.000	9	Alp Eri	0.45300	24000.	102	22861	No
34	GOM_NL__2PRFIN20060715_034203_000000362049_00262_22861_9987.N1	15-JUL-2006 03:42:03	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	22861	No
35	GOM_NL__2PRFIN20060715_034557_000000422049_00262_22861_9988.N1	15-JUL-2006 03:45:57	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	22861	No
36	GOM_NL__2PRFIN20060715_034951_000000422049_00262_22861_9989.N1	15-JUL-2006 03:49:51	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	22861	No
37	GOM_NL__2PRFIN20060715_035708_000000382049_00262_22861_9990.N1	15-JUL-2006 03:57:08	Twilight_and_stray	37.500	85	Kap Sco	2.4070	28000.	75	22861	No
38	GOM_NL__2PRFIN20060715_035844_000000402049_00262_22861_9991.N1	15-JUL-2006 03:58:44	Bright	40.000	103	38Zet Sgr	2.6000	9700.0	80	22861	No
39	GOM_NL__2PRFIN20060715_040025_000000382049_00262_22861_9992.N1	15-JUL-2006 04:00:25	Bright	37.500	137	22Lam Sgr	2.8240	4400.0	75	22861	No
40	GOM_NL__2PRFIN20060715_040912_000000362049_00262_22861_9993.N1	15-JUL-2006 04:09:12	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22861	No
41	GOM_NL__2PRFIN20060715_041129_000000362049_00262_22861_9994.N1	15-JUL-2006 04:11:29	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22861	No
42	GOM_NL__2PRFIN20060715_041721_000000372049_00262_22861_9995.N1	15-JUL-2006 04:17:21	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22861	No

43	GOM_NL__2PRFIN20060715_042222_000000372049_00262_22861_9996.N1	15-JUL-2006 04:22:22	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	22861	No
44	GOM_NL__2PRFIN20060715_042532_000000352049_00262_22861_9997.N1	15-JUL-2006 04:25:32	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	22861	No
45	GOM_NL__2PRFIN20060715_042945_000000322049_00262_22861_9998.N1	15-JUL-2006 04:29:45	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	22861	No
46	GOM_NL__2PRFIN20060715_043322_000000362049_00262_22861_9999.N1	15-JUL-2006 04:33:22	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22861	No
47	GOM_NL__2PRFIN20060715_045434_000000452049_00262_22861_0000.N1	15-JUL-2006 04:54:34	Twilight	44.500	13	87Alp Tau	0.86700	3800.0	89	22861	No
48	GOM_NL__2PRFIN20060715_050054_000000372049_00262_22861_0001.N1	15-JUL-2006 05:00:54	Dark	36.500	7	19Bet Ori	0.10000	14000.	73	22861	No
49	GOM_NL__2PRFIN20060715_051902_000000432049_00263_22862_9986.N1	15-JUL-2006 05:19:02	Dark	42.500	9	Alp Eri	0.45300	24000.	85	22862	No
50	GOM_NL__2PRFIN20060715_052239_000000382049_00263_22862_9987.N1	15-JUL-2006 05:22:39	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	22862	No
51	GOM_NL__2PRFIN20060715_052633_000000432049_00263_22862_9988.N1	15-JUL-2006 05:26:33	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	22862	No
52	GOM_NL__2PRFIN20060715_053028_000000412049_00263_22862_9989.N1	15-JUL-2006 05:30:28	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	22862	No
53	GOM_NL__2PRFIN20060715_053744_000000392049_00263_22862_9990.N1	15-JUL-2006 05:37:44	Twi_and_stray	39.000	85	Kap Sco	2.4070	28000.	78	22862	No
54	GOM_NL__2PRFIN20060715_053920_000000382049_00263_22862_9991.N1	15-JUL-2006 05:39:20	Bright	38.000	103	38Zet Sgr	2.6000	9700.0	76	22862	No
55	GOM_NL__2PRFIN20060715_054101_000000412049_00263_22862_9992.N1	15-JUL-2006 05:41:01	Bright	41.000	137	22Lam Sgr	2.8240	4400.0	82	22862	No
56	GOM_NL__2PRFIN20060715_054948_000000362049_00263_22862_9993.N1	15-JUL-2006 05:49:48	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22862	No
57	GOM_NL__2PRFIN20060715_055205_000000372049_00263_22862_9994.N1	15-JUL-2006 05:52:05	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	22862	No
58	GOM_NL__2PRFIN20060715_055758_000000352049_00263_22862_9995.N1	15-JUL-2006 05:57:58	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	22862	No
59	GOM_NL__2PRFIN20060715_060258_000000372049_00263_22862_9996.N1	15-JUL-2006 06:02:58	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	22862	No
60	GOM_NL__2PRFIN20060715_060609_000000362049_00263_22862_9997.N1	15-JUL-2006 06:06:09	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	22862	No
61	GOM_NL__2PRFIN20060715_061022_000000362049_00263_22862_9998.N1	15-JUL-2006 06:10:22	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	22862	No
62	GOM_NL__2PRFIN20060715_061358_000000362049_00263_22862_9999.N1	15-JUL-2006 06:13:58	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22862	No
63	GOM_NL__2PRFIN20060715_063510_000000482049_00263_22862_0000.N1	15-JUL-2006 06:35:10	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	22862	No
64	GOM_NL__2PRFIN20060715_064131_000000382049_00263_22862_0001.N1	15-JUL-2006 06:41:31	Dark	37.500	7	19Bet Ori	0.10000	14000.	75	22862	No
65	GOM_NL__2PRFIN20060715_065939_000000532049_00264_22863_9986.N1	15-JUL-2006 06:59:39	Dark	52.500	9	Alp Eri	0.45300	24000.	105	22863	No
66	GOM_NL__2PRFIN20060715_070315_000000362049_00264_22863_9987.N1	15-JUL-2006 07:03:15	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	22863	No
67	GOM_NL__2PRFIN20060715_070710_000000402049_00264_22863_9988.N1	15-JUL-2006 07:07:10	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	22863	No
68	GOM_NL__2PRFIN20060715_071104_000000392049_00264_22863_9989.N1	15-JUL-2006 07:11:04	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	22863	No
69	GOM_NL__2PRFIN20060715_071820_000000402049_00264_22863_9990.N1	15-JUL-2006 07:18:20	Twi_and_stray	40.000	85	Kap Sco	2.4070	28000.	80	22863	No
70	GOM_NL__2PRFIN20060715_071957_000000422049_00264_22863_9991.N1	15-JUL-2006 07:19:57	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	22863	No
71	GOM_NL__2PRFIN20060715_072137_000000372049_00264_22863_9992.N1	15-JUL-2006 07:21:37	Bright	37.000	137	22Lam Sgr	2.8240	4400.0	74	22863	No
72	GOM_NL__2PRFIN20060715_073024_000000352049_00264_22863_9993.N1	15-JUL-2006 07:30:24	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22863	No
73	GOM_NL__2PRFIN20060715_073242_000000362049_00264_22863_9994.N1	15-JUL-2006 07:32:42	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22863	No
74	GOM_NL__2PRFIN20060715_073834_000000372049_00264_22863_9995.N1	15-JUL-2006 07:38:34	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22863	No
75	GOM_NL__2PRFIN20060715_074334_000000382049_00264_22863_9996.N1	15-JUL-2006 07:43:34	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	22863	No
76	GOM_NL__2PRFIN20060715_074645_000000362049_00264_22863_9997.N1	15-JUL-2006 07:46:45	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22863	No
77	GOM_NL__2PRFIN20060715_075058_000000352049_00264_22863_9998.N1	15-JUL-2006 07:50:58	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	22863	No
78	GOM_NL__2PRFIN20060715_075434_000000352049_00264_22863_9999.N1	15-JUL-2006 07:54:34	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	22863	No
79	GOM_NL__2PRFIN20060715_081547_000000522049_00264_22863_0000.N1	15-JUL-2006 08:15:47	Twilight	52.000	13	87Alp Tau	0.86700	3800.0	104	22863	No
80	GOM_NL__2PRFIN20060715_082206_000000372049_00264_22863_0001.N1	15-JUL-2006 08:22:06	Dark	37.000	7	19Bet Ori	0.10000	14000.	74	22863	No
81	GOM_NL__2PRFIN20060715_084015_000000532049_00265_22864_9986.N1	15-JUL-2006 08:40:15	Dark	52.500	9	Alp Eri	0.45300	24000.	105	22864	No
82	GOM_NL__2PRFIN20060715_084351_000000372049_00265_22864_9987.N1	15-JUL-2006 08:43:51	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22864	No
83	GOM_NL__2PRFIN20060715_084747_000000432049_00265_22864_9988.N1	15-JUL-2006 08:47:47	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	22864	No
84	GOM_NL__2PRFIN20060715_085140_000000422049_00265_22864_9989.N1	15-JUL-2006 08:51:40	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	22864	No
85	GOM_NL__2PRFIN20060715_085856_000000392049_00265_22864_9990.N1	15-JUL-2006 08:58:56	Twi_and_stray	38.500	85	Kap Sco	2.4070	28000.	77	22864	No
86	GOM_NL__2PRFIN20060715_090033_000000462049_00265_22864_9991.N1	15-JUL-2006 09:00:33	Bright	45.500	103	38Zet Sgr	2.6000	9700.0	91	22864	No
87	GOM_NL__2PRFIN20060715_090213_000000382049_00265_22864_9992.N1	15-JUL-2006 09:02:13	Bright	38.000	137	22Lam Sgr	2.8240	4400.0	76	22864	No
88	GOM_NL__2PRFIN20060715_091100_000000352049_00265_22864_9993.N1	15-JUL-2006 09:11:00	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22864	No
89	GOM_NL__2PRFIN20060715_091318_000000362049_00265_22864_9994.N1	15-JUL-2006 09:13:18	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22864	No
90	GOM_NL__2PRFIN20060715_091910_000000342049_00265_22864_9995.N1	15-JUL-2006 09:19:10	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	22864	No
91	GOM_NL__2PRFIN20060715_092410_000000382049_00265_22864_9996.N1	15-JUL-2006 09:24:10	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	22864	No
92	GOM_NL__2PRFIN20060715_092721_000000352049_00265_22864_9997.N1	15-JUL-2006 09:27:21	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	22864	No
93	GOM_NL__2PRFIN20060715_093134_000000332049_00265_22864_9998.N1	15-JUL-2006 09:31:34	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	22864	No
94	GOM_NL__2PRFIN20060715_093510_000000362049_00265_22864_9999.N1	15-JUL-2006 09:35:10	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22864	No
95	GOM_NL__2PRFIN20060715_095623_000000472049_00265_22864_0000.N1	15-JUL-2006 09:56:23	Twilight	47.000	13	87Alp Tau	0.86700	3800.0	94	22864	No
96	GOM_NL__2PRFIN20060715_100243_000000442049_00265_22864_0001.N1	15-JUL-2006 10:02:43	Dark	44.000	7	19Bet Ori	0.10000	14000.	88	22864	No
97	GOM_NL__2PRFIN20060715_102052_000000512049_00266_22865_9986.N1	15-JUL-2006 10:20:52	Dark	50.500	9	Alp Eri	0.45300	24000.	101	22865	No
98	GOM_NL__2PRFIN20060715_102427_000000372049_00266_22865_9987.N1	15-JUL-2006 10:24:27	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22865	No
99	GOM_NL__2PRFIN20060715_102823_000000402049_00266_22865_9988.N1	15-JUL-2006 10:28:23	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	22865	No
100	GOM_NL__2PRFIN20060715_103217_000000402049_00266_22865_9989.N1	15-JUL-2006 10:32:17	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	22865	No
101	GOM_NL__2PRFIN20060715_103936_000000362049_00266_22865_9990.N1	15-JUL-2006 10:39:36	Twi_and_stray	36.000	85	Kap Sco	2.4070	28000.	72	22865	No

102	GOM_NL__2PRFIN20060715_104109_000000412049_00266_22865_9991.N1	15-JUL-2006 10:41:09	Bright	41.000	103	38Zet Sgr	2.6000	9700.0	82	22865	No
103	GOM_NL__2PRFIN20060715_104249_000000372049_00266_22865_9992.N1	15-JUL-2006 10:42:49	Bright	36.500	137	22Lam Sgr	2.8240	4400.0	73	22865	No
104	GOM_NL__2PRFIN20060715_105136_000000362049_00266_22865_9993.N1	15-JUL-2006 10:51:36	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22865	No
105	GOM_NL__2PRFIN20060715_105354_000000372049_00266_22865_9994.N1	15-JUL-2006 10:53:54	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	22865	No
106	GOM_NL__2PRFIN20060715_105946_000000372049_00266_22865_9995.N1	15-JUL-2006 10:59:46	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	22865	No
107	GOM_NL__2PRFIN20060715_110446_000000532049_00266_22865_9996.N1	15-JUL-2006 11:04:46	Bright	53.000	69	33Gam Dra	2.2310	3800.0	106	22865	No
108	GOM_NL__2PRFIN20060715_110757_000000362049_00266_22865_9997.N1	15-JUL-2006 11:07:57	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22865	No
109	GOM_NL__2PRFIN20060715_111210_000000332049_00266_22865_9998.N1	15-JUL-2006 11:12:10	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	22865	No
110	GOM_NL__2PRFIN20060715_111546_000000362049_00266_22865_9999.N1	15-JUL-2006 11:15:46	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22865	No
111	GOM_NL__2PRFIN20060715_113659_000000462049_00266_22865_0000.N1	15-JUL-2006 11:36:59	Twilight	46.000	13	87Alp Tau	0.86700	3800.0	92	22865	No
112	GOM_NL__2PRFIN20060715_114319_000000462049_00266_22865_0001.N1	15-JUL-2006 11:43:19	Dark	45.500	7	19Bet Ori	0.10000	14000.	91	22865	No
113	GOM_NL__2PRFIN20060715_120128_000000402049_00267_22866_9986.N1	15-JUL-2006 12:01:28	Dark	40.000	9	Alp Eri	0.45300	24000.	80	22866	No
114	GOM_NL__2PRFIN20060715_120503_000000372049_00267_22866_9987.N1	15-JUL-2006 12:05:03	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22866	No
115	GOM_NL__2PRFIN20060715_120859_000000422049_00267_22866_9988.N1	15-JUL-2006 12:08:59	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	22866	No
116	GOM_NL__2PRFIN20060715_121253_000000452049_00267_22866_9989.N1	15-JUL-2006 12:12:53	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	22866	No
117	GOM_NL__2PRFIN20060715_121947_000000392049_00267_22866_9990.N1	15-JUL-2006 12:19:47	Tw_and_stray	39.000	178	lot1Sco	3.0220	6550.0	78	22866	No
118	GOM_NL__2PRFIN20060715_122145_000000412049_00267_22866_9991.N1	15-JUL-2006 12:21:45	Bright	40.500	103	38Zet Sgr	2.6000	9700.0	81	22866	No
119	GOM_NL__2PRFIN20060715_122325_000000372049_00267_22866_9992.N1	15-JUL-2006 12:23:25	Bright	36.500	137	22Lam Sgr	2.8240	4400.0	73	22866	No
120	GOM_NL__2PRFIN20060715_123212_000000362049_00267_22866_9993.N1	15-JUL-2006 12:32:12	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22866	No
121	GOM_NL__2PRFIN20060715_123430_000000342049_00267_22866_9994.N1	15-JUL-2006 12:34:30	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	22866	No
122	GOM_NL__2PRFIN20060715_124022_000000342049_00267_22866_9995.N1	15-JUL-2006 12:40:22	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	22866	No
123	GOM_NL__2PRFIN20060715_124522_000000402049_00267_22866_9996.N1	15-JUL-2006 12:45:22	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	22866	No
124	GOM_NL__2PRFIN20060715_124833_000000362049_00267_22866_9997.N1	15-JUL-2006 12:48:33	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	22866	No
125	GOM_NL__2PRFIN20060715_125246_000000362049_00267_22866_9998.N1	15-JUL-2006 12:52:46	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22866	No
126	GOM_NL__2PRFIN20060715_125622_000000362049_00267_22866_9999.N1	15-JUL-2006 12:56:22	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22866	No
127	GOM_NL__2PRFIN20060715_131735_000000482049_00267_22866_0000.N1	15-JUL-2006 13:17:35	Twilight	48.000	13	87Alp Tau	0.86700	3800.0	96	22866	No
128	GOM_NL__2PRFIN20060715_132355_000000422049_00267_22866_0001.N1	15-JUL-2006 13:23:55	Dark	42.000	7	19Bet Ori	0.10000	14000.	84	22866	No
129	GOM_NL__2PRFIN20060715_134205_000000412049_00268_22867_9986.N1	15-JUL-2006 13:42:05	Dark	40.500	9	Alp Eri	0.45300	24000.	81	22867	No
130	GOM_NL__2PRFIN20060715_134539_000000382049_00268_22867_9987.N1	15-JUL-2006 13:45:39	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	22867	No
131	GOM_NL__2PRFIN20060715_134936_000000432049_00268_22867_9988.N1	15-JUL-2006 13:49:36	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	22867	No
132	GOM_NL__2PRFIN20060715_135329_000000412049_00268_22867_9989.N1	15-JUL-2006 13:53:29	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	22867	No
133	GOM_NL__2PRFIN20060715_140023_000000372049_00268_22867_9990.N1	15-JUL-2006 14:00:23	Tw_and_stray	36.500	178	lot1Sco	3.0220	6550.0	73	22867	No
134	GOM_NL__2PRFIN20060715_140221_000000542049_00268_22867_9991.N1	15-JUL-2006 14:02:21	Bright	54.000	103	38Zet Sgr	2.6000	9700.0	108	22867	No
135	GOM_NL__2PRFIN20060715_140401_000000402049_00268_22867_9992.N1	15-JUL-2006 14:04:01	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	22867	No
136	GOM_NL__2PRFIN20060715_141248_000000362049_00268_22867_9993.N1	15-JUL-2006 14:12:48	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22867	No
137	GOM_NL__2PRFIN20060715_141506_000000342049_00268_22867_9994.N1	15-JUL-2006 14:15:06	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	22867	No
138	GOM_NL__2PRFIN20060715_142059_000000372049_00268_22867_9995.N1	15-JUL-2006 14:20:59	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22867	No
139	GOM_NL__2PRFIN20060715_142558_000000382049_00268_22867_9996.N1	15-JUL-2006 14:25:58	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	22867	No
140	GOM_NL__2PRFIN20060715_142909_000000352049_00268_22867_9997.N1	15-JUL-2006 14:29:09	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	22867	No
141	GOM_NL__2PRFIN20060715_143322_000000342049_00268_22867_9998.N1	15-JUL-2006 14:33:22	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	22867	No
142	GOM_NL__2PRFIN20060715_143658_000000342049_00268_22867_9999.N1	15-JUL-2006 14:36:58	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	22867	No
143	GOM_NL__2PRFIN20060715_145811_000000522049_00268_22867_0000.N1	15-JUL-2006 14:58:11	Twilight	51.500	13	87Alp Tau	0.86700	3800.0	103	22867	No
144	GOM_NL__2PRFIN20060715_150431_000000392049_00268_22867_0001.N1	15-JUL-2006 15:04:31	Dark	38.500	7	19Bet Ori	0.10000	14000.	77	22867	No
145	GOM_NL__2PRFIN20060715_152241_000000462049_00269_22868_9986.N1	15-JUL-2006 15:22:41	Dark	46.000	9	Alp Eri	0.45300	24000.	92	22868	No
146	GOM_NL__2PRFIN20060715_152616_000000382049_00269_22868_9987.N1	15-JUL-2006 15:26:16	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	22868	No
147	GOM_NL__2PRFIN20060715_153012_000000412049_00269_22868_9988.N1	15-JUL-2006 15:30:12	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	22868	No
148	GOM_NL__2PRFIN20060715_153406_000000392049_00269_22868_9989.N1	15-JUL-2006 15:34:06	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	22868	No
149	GOM_NL__2PRFIN20060715_154059_000000372049_00269_22868_9990.N1	15-JUL-2006 15:40:59	Tw_and_stray	37.000	178	lot1Sco	3.0220	6550.0	74	22868	No
150	GOM_NL__2PRFIN20060715_154257_000000452049_00269_22868_9991.N1	15-JUL-2006 15:42:57	Bright	44.500	103	38Zet Sgr	2.6000	9700.0	89	22868	No
151	GOM_NL__2PRFIN20060715_154438_000000392049_00269_22868_9992.N1	15-JUL-2006 15:44:38	Bright	39.000	137	22Lam Sgr	2.8240	4400.0	78	22868	No
152	GOM_NL__2PRFIN20060715_155324_000000362049_00269_22868_9993.N1	15-JUL-2006 15:53:24	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22868	No
153	GOM_NL__2PRFIN20060715_155542_000000362049_00269_22868_9994.N1	15-JUL-2006 15:55:42	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	22868	No
154	GOM_NL__2PRFIN20060715_160135_000000342049_00269_22868_9995.N1	15-JUL-2006 16:01:35	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22868	No
155	GOM_NL__2PRFIN20060715_160634_000000372049_00269_22868_9996.N1	15-JUL-2006 16:06:34	Bright	37.000	69	33Gam Dra	2.2310	3800.0	74	22868	No
156	GOM_NL__2PRFIN20060715_160945_000000372049_00269_22868_9997.N1	15-JUL-2006 16:09:45	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	22868	No
157	GOM_NL__2PRFIN20060715_161358_000000352049_00269_22868_9998.N1	15-JUL-2006 16:13:58	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	22868	No
158	GOM_NL__2PRFIN20060715_161733_000000362049_00269_22868_9999.N1	15-JUL-2006 16:17:33	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22868	No
159	GOM_NL__2PRFIN20060715_163847_000000522049_00269_22868_0000.N1	15-JUL-2006 16:38:47	Twilight	52.000	13	87Alp Tau	0.86700	3800.0	104	22868	No
160	GOM_NL__2PRFIN20060715_164507_000000382049_00269_22868_0001.N1	15-JUL-2006 16:45:07	Dark	38.000	7	19Bet Ori	0.10000	14000.	76	22868	No

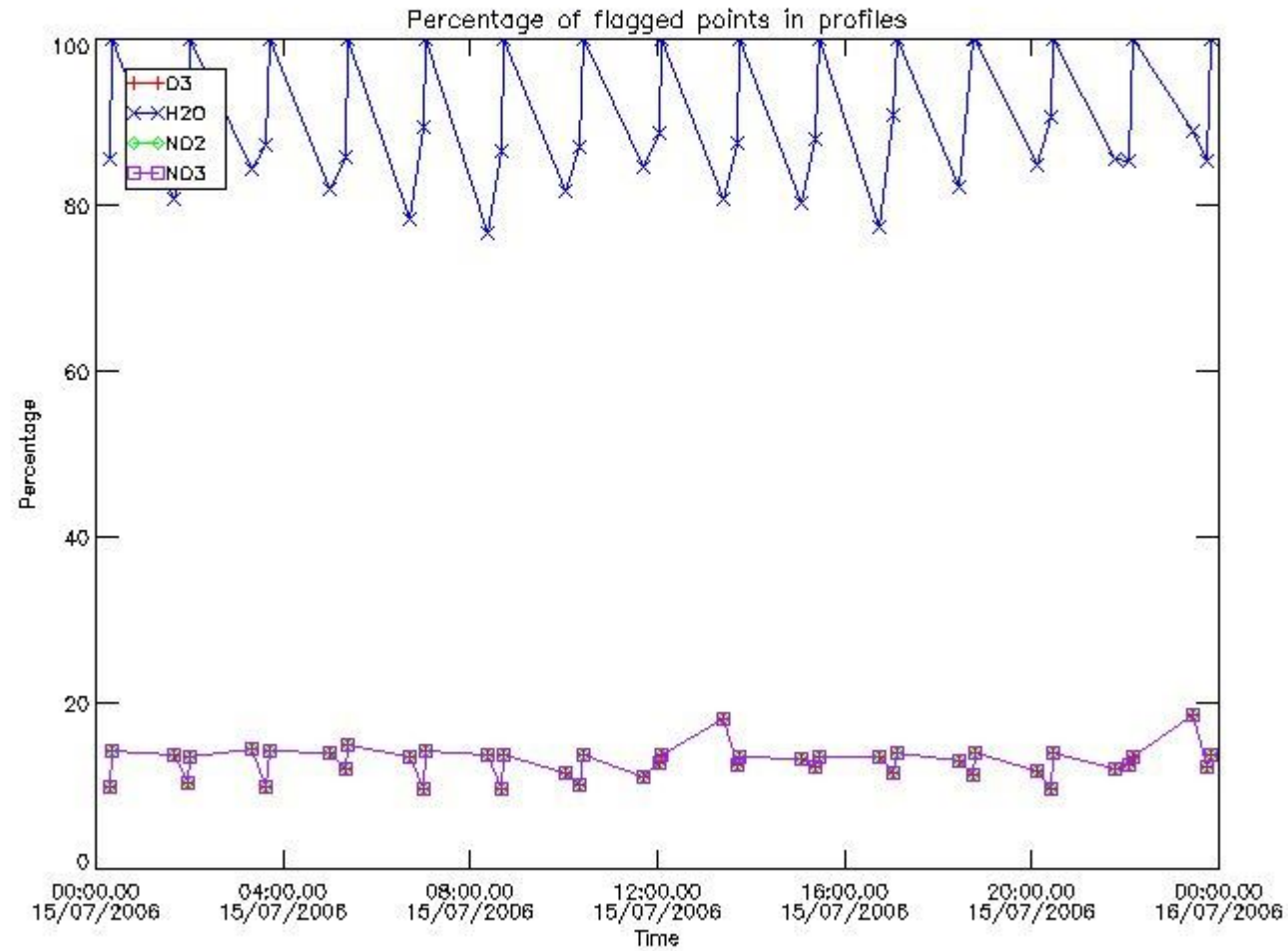
161	GOM_NL__2PRFIN20060715_170318_000000452049_00270_22869_9986.N1	15-JUL-2006 17:03:18	Dark	44.500	9	Alp Eri	0.45300	24000.	89	22869	No
162	GOM_NL__2PRFIN20060715_170652_000000372049_00270_22869_9987.N1	15-JUL-2006 17:06:52	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22869	No
163	GOM_NL__2PRFIN20060715_171049_000000412049_00270_22869_9988.N1	15-JUL-2006 17:10:49	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	22869	No
164	GOM_NL__2PRFIN20060715_171442_000000392049_00270_22869_9989.N1	15-JUL-2006 17:14:42	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	22869	No
165	GOM_NL__2PRFIN20060715_172135_000000392049_00270_22869_9990.N1	15-JUL-2006 17:21:35	Tw_i_and_stray	39.000	178	lot1Sco	3.0220	6550.0	78	22869	No
166	GOM_NL__2PRFIN20060715_172334_000000482049_00270_22869_9991.N1	15-JUL-2006 17:23:34	Bright	48.000	103	38Zet Sgr	2.6000	9700.0	96	22869	No
167	GOM_NL__2PRFIN20060715_172514_000000382049_00270_22869_9992.N1	15-JUL-2006 17:25:14	Bright	38.000	137	22Lam Sgr	2.8240	4400.0	76	22869	No
168	GOM_NL__2PRFIN20060715_173401_000000372049_00270_22869_9993.N1	15-JUL-2006 17:34:01	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	22869	No
169	GOM_NL__2PRFIN20060715_173618_000000352049_00270_22869_9994.N1	15-JUL-2006 17:36:18	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22869	No
170	GOM_NL__2PRFIN20060715_174211_000000372049_00270_22869_9995.N1	15-JUL-2006 17:42:11	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	22869	No
171	GOM_NL__2PRFIN20060715_174709_000000382049_00270_22869_9996.N1	15-JUL-2006 17:47:09	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	22869	No
172	GOM_NL__2PRFIN20060715_175021_000000372049_00270_22869_9997.N1	15-JUL-2006 17:50:21	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	22869	No
173	GOM_NL__2PRFIN20060715_175435_000000362049_00270_22869_9998.N1	15-JUL-2006 17:54:35	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22869	No
174	GOM_NL__2PRFIN20060715_175810_000000522049_00270_22869_9999.N1	15-JUL-2006 17:58:10	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	22869	No
175	GOM_NL__2PRFIN20060715_181924_000000472049_00270_22869_0000.N1	15-JUL-2006 18:19:24	Twilight	47.000	13	87Alp Tau	0.86700	3800.0	94	22869	No
176	GOM_NL__2PRFIN20060715_182543_000000402049_00270_22869_0001.N1	15-JUL-2006 18:25:43	Dark	39.500	7	19Bet Ori	0.10000	14000.	79	22869	No
177	GOM_NL__2PRFIN20060715_184354_000000452049_00271_22870_9986.N1	15-JUL-2006 18:43:54	Dark	45.000	9	Alp Eri	0.45300	24000.	90	22870	No
178	GOM_NL__2PRFIN20060715_184728_000000372049_00271_22870_9987.N1	15-JUL-2006 18:47:28	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22870	No
179	GOM_NL__2PRFIN20060715_185125_000000412049_00271_22870_9988.N1	15-JUL-2006 18:51:25	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	22870	No
180	GOM_NL__2PRFIN20060715_185518_000000392049_00271_22870_9989.N1	15-JUL-2006 18:55:18	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	22870	No
181	GOM_NL__2PRFIN20060715_190211_000000402049_00271_22870_9990.N1	15-JUL-2006 19:02:11	Tw_i_and_stray	39.500	178	lot1Sco	3.0220	6550.0	79	22870	No
182	GOM_NL__2PRFIN20060715_190410_000000542049_00271_22870_9991.N1	15-JUL-2006 19:04:10	Bright	54.000	103	38Zet Sgr	2.6000	9700.0	108	22870	No
183	GOM_NL__2PRFIN20060715_190550_000000382049_00271_22870_9992.N1	15-JUL-2006 19:05:50	Bright	38.000	137	22Lam Sgr	2.8240	4400.0	76	22870	No
184	GOM_NL__2PRFIN20060715_191437_000000372049_00271_22870_9993.N1	15-JUL-2006 19:14:37	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	22870	No
185	GOM_NL__2PRFIN20060715_191654_000000362049_00271_22870_9994.N1	15-JUL-2006 19:16:54	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	22870	No
186	GOM_NL__2PRFIN20060715_192247_000000372049_00271_22870_9995.N1	15-JUL-2006 19:22:47	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22870	No
187	GOM_NL__2PRFIN20060715_192745_000000352049_00271_22870_9996.N1	15-JUL-2006 19:27:45	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	22870	No
188	GOM_NL__2PRFIN20060715_193058_000000372049_00271_22870_9997.N1	15-JUL-2006 19:30:58	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	22870	No
189	GOM_NL__2PRFIN20060715_193511_000000372049_00271_22870_9998.N1	15-JUL-2006 19:35:11	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	22870	No
190	GOM_NL__2PRFIN20060715_193846_000000362049_00271_22870_9999.N1	15-JUL-2006 19:38:46	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22870	No
191	GOM_NL__2PRFIN20060715_200000_000000392049_00271_22870_0000.N1	15-JUL-2006 20:00:00	Twilight	39.000	13	87Alp Tau	0.86700	3800.0	78	22870	No
192	GOM_NL__2PRFIN20060715_200619_000000442049_00271_22870_0001.N1	15-JUL-2006 20:06:19	Dark	43.500	7	19Bet Ori	0.10000	14000.	87	22870	No
193	GOM_NL__2PRFIN20060715_202431_000000532049_00272_22871_0006.N1	15-JUL-2006 20:24:31	Dark	53.000	9	Alp Eri	0.45300	24000.	106	22871	No
194	GOM_NL__2PRFIN20060715_202804_000000372049_00272_22871_0007.N1	15-JUL-2006 20:28:04	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22871	No
195	GOM_NL__2PRFIN20060715_203202_000000402049_00272_22871_0008.N1	15-JUL-2006 20:32:02	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	22871	No
196	GOM_NL__2PRFIN20060715_203555_000000392049_00272_22871_0009.N1	15-JUL-2006 20:35:55	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	22871	No
197	GOM_NL__2PRFIN20060715_204247_000000412049_00272_22871_0010.N1	15-JUL-2006 20:42:47	Tw_i_and_stray	41.000	178	lot1Sco	3.0220	6550.0	82	22871	No
198	GOM_NL__2PRFIN20060715_204446_000000432049_00272_22871_0011.N1	15-JUL-2006 20:44:46	Bright	42.500	103	38Zet Sgr	2.6000	9700.0	85	22871	No
199	GOM_NL__2PRFIN20060715_204626_000000372049_00272_22871_0012.N1	15-JUL-2006 20:46:26	Bright	36.500	137	22Lam Sgr	2.8240	4400.0	73	22871	No
200	GOM_NL__2PRFIN20060715_205513_000000352049_00272_22871_0013.N1	15-JUL-2006 20:55:13	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	22871	No
201	GOM_NL__2PRFIN20060715_205730_000000352049_00272_22871_0014.N1	15-JUL-2006 20:57:30	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22871	No
202	GOM_NL__2PRFIN20060715_210323_000000362049_00272_22871_0015.N1	15-JUL-2006 21:03:23	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	22871	No
203	GOM_NL__2PRFIN20060715_210821_000000382049_00272_22871_0016.N1	15-JUL-2006 21:08:21	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	22871	No
204	GOM_NL__2PRFIN20060715_211134_000000362049_00272_22871_0017.N1	15-JUL-2006 21:11:34	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22871	No
205	GOM_NL__2PRFIN20060715_211547_000000362049_00272_22871_0018.N1	15-JUL-2006 21:15:47	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	22871	No
206	GOM_NL__2PRFIN20060715_211921_000000342049_00272_22871_0019.N1	15-JUL-2006 21:19:21	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	22871	No
207	GOM_NL__2PRFIN20060715_214036_000000462049_00272_22871_0020.N1	15-JUL-2006 21:40:36	Twilight	46.000	13	87Alp Tau	0.86700	3800.0	92	22871	No
208	GOM_NL__2PRFIN20060715_214656_000000422049_00272_22871_0021.N1	15-JUL-2006 21:46:56	Dark	41.500	7	19Bet Ori	0.10000	14000.	83	22871	No
209	GOM_NL__2PRFIN20060715_220507_000000412049_00273_22872_0006.N1	15-JUL-2006 22:05:07	Dark	41.000	9	Alp Eri	0.45300	24000.	82	22872	No
210	GOM_NL__2PRFIN20060715_220841_000000382049_00273_22872_0007.N1	15-JUL-2006 22:08:41	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	22872	No
211	GOM_NL__2PRFIN20060715_221238_000000402049_00273_22872_0008.N1	15-JUL-2006 22:12:38	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	22872	No
212	GOM_NL__2PRFIN20060715_221631_000000402049_00273_22872_0009.N1	15-JUL-2006 22:16:31	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22872	No
213	GOM_NL__2PRFIN20060715_222324_000000412049_00273_22872_0010.N1	15-JUL-2006 22:23:24	Tw_i_and_stray	40.500	178	lot1Sco	3.0220	6550.0	81	22872	No
214	GOM_NL__2PRFIN20060715_222522_000000402049_00273_22872_0011.N1	15-JUL-2006 22:25:22	Bright	39.500	103	38Zet Sgr	2.6000	9700.0	79	22872	No
215	GOM_NL__2PRFIN20060715_222702_000000392049_00273_22872_0012.N1	15-JUL-2006 22:27:02	Bright	39.000	137	22Lam Sgr	2.8240	4400.0	78	22872	No
216	GOM_NL__2PRFIN20060715_223549_000000352049_00273_22872_0013.N1	15-JUL-2006 22:35:49	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22872	No
217	GOM_NL__2PRFIN20060715_223806_000000352049_00273_22872_0014.N1	15-JUL-2006 22:38:06	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22872	No
218	GOM_NL__2PRFIN20060715_224400_000000352049_00273_22872_0015.N1	15-JUL-2006 22:44:00	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	22872	No
219	GOM_NL__2PRFIN20060715_224857_000000522049_00273_22872_0016.N1	15-JUL-2006 22:48:57	Bright	52.000	69	33Gam Dra	2.2310	3800.0	104	22872	No

220	GOM_NL__2PRFIN20060715_225210_000000342049_00273_22872_0017.N1	15-JUL-2006 22:52:10	Bright	33.500	119	14Eta Dra	2.7270	4700.0	67	22872	No
221	GOM_NL__2PRFIN20060715_225623_000000332049_00273_22872_0018.N1	15-JUL-2006 22:56:23	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	22872	No
222	GOM_NL__2PRFIN20060715_225957_000000322049_00273_22872_0019.N1	15-JUL-2006 22:59:57	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	22872	No
223	GOM_NL__2PRFIN20060715_232112_000000532049_00273_22872_0020.N1	15-JUL-2006 23:21:12	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	22872	No
224	GOM_NL__2PRFIN20060715_232732_000000412049_00273_22872_0021.N1	15-JUL-2006 23:27:32	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	22872	No
225	GOM_NL__2PRFIN20060715_234544_000000422049_00274_22873_0006.N1	15-JUL-2006 23:45:44	Dark	41.500	9	Alp Eri	0.45300	24000.	83	22873	No
226	GOM_NL__2PRFIN20060715_234917_000000372049_00274_22873_0007.N1	15-JUL-2006 23:49:17	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22873	No
227	GOM_NL__2PRFIN20060715_235315_000000412049_00274_22873_0008.N1	15-JUL-2006 23:53:15	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	22873	No
228	GOM_NL__2PRFIN20060715_235707_000000402049_00274_22873_0009.N1	15-JUL-2006 23:57:07	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22873	No

3. Quality information per product

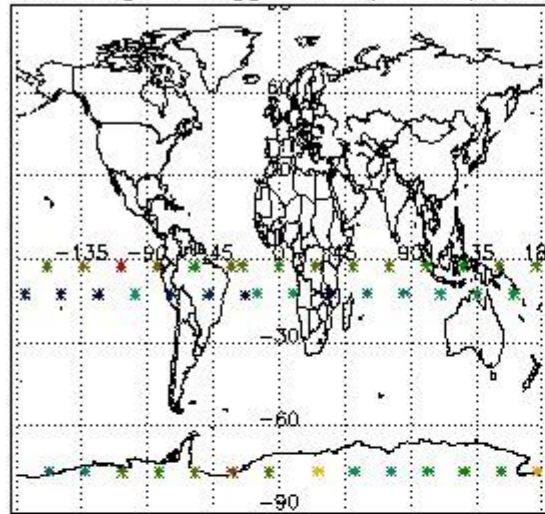
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

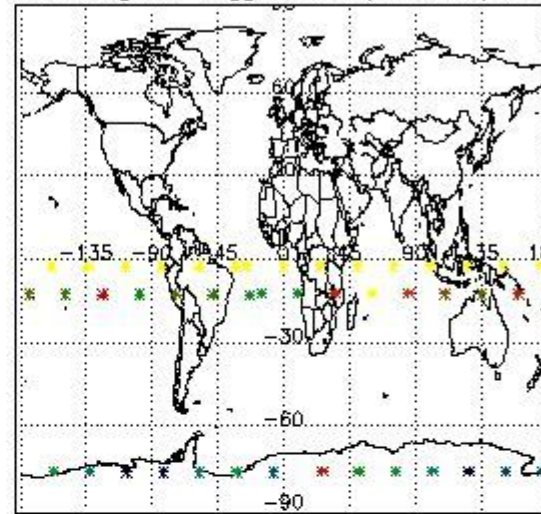


3.2 Plot quality information per product (world map)

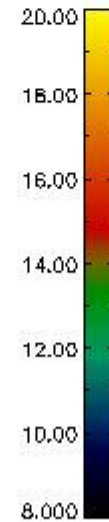
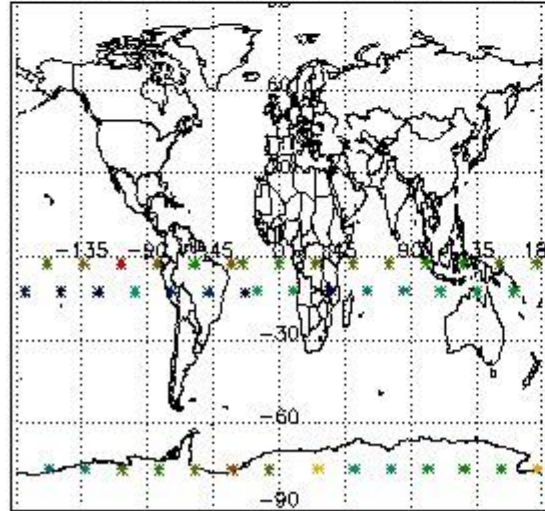
Percentage of flagged data per O3 profile



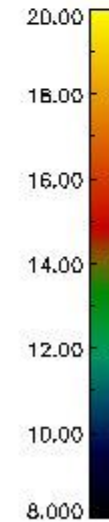
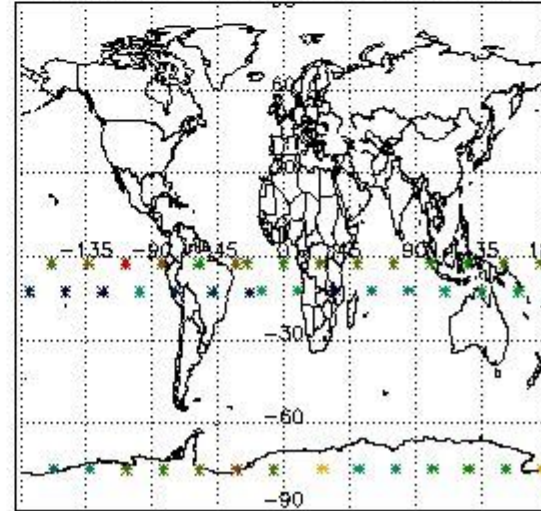
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

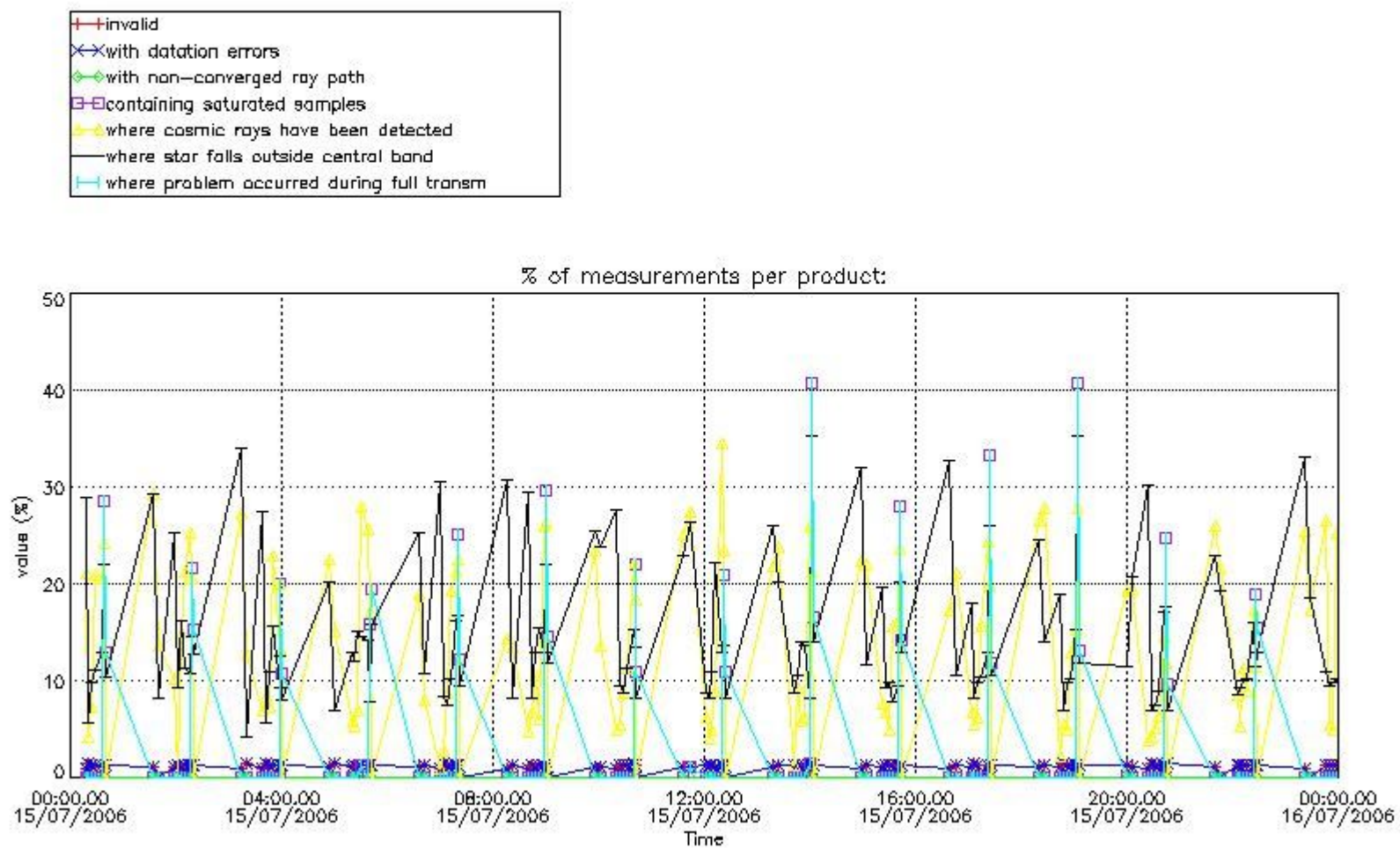


4. Level 1 quality information per product

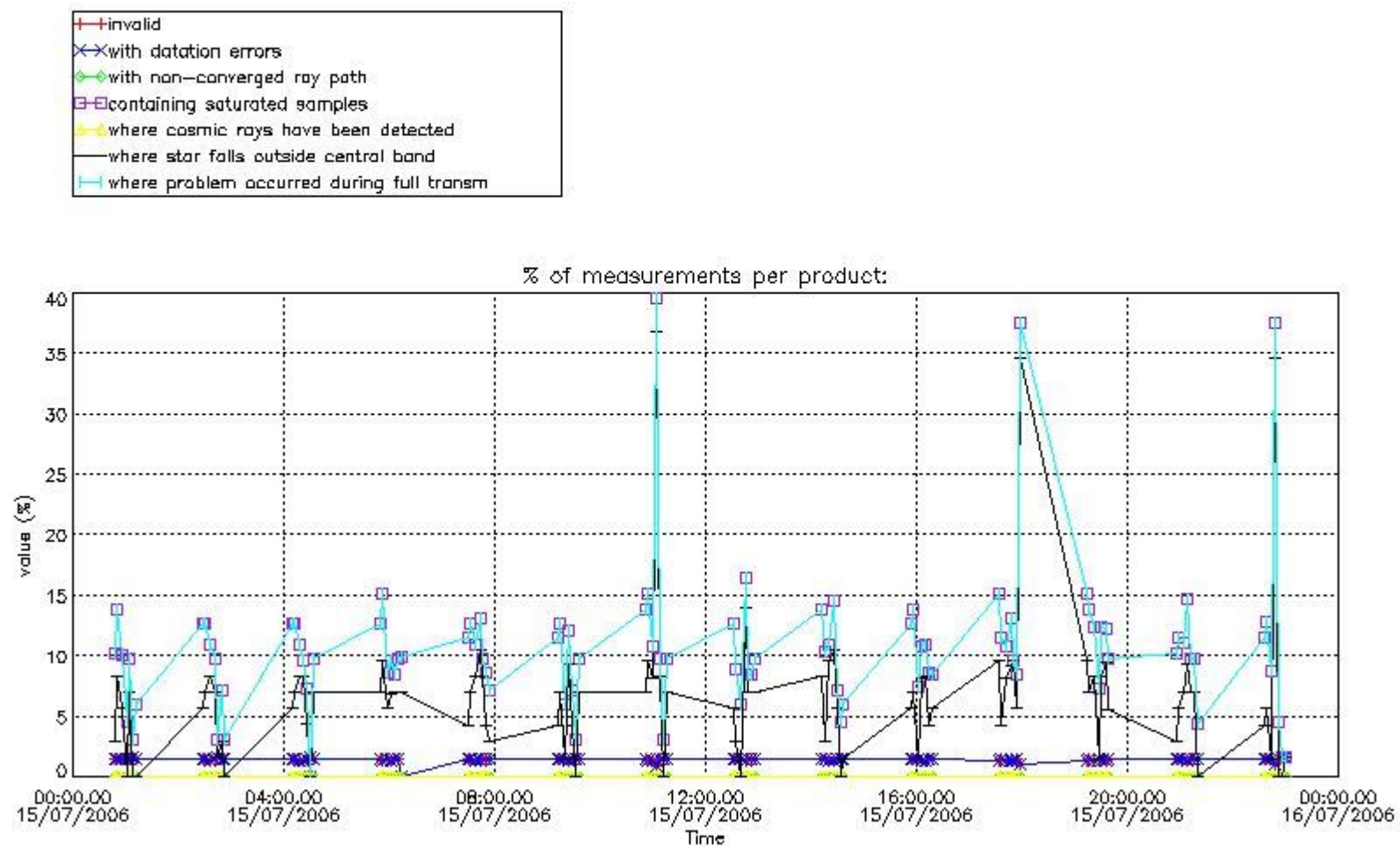
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

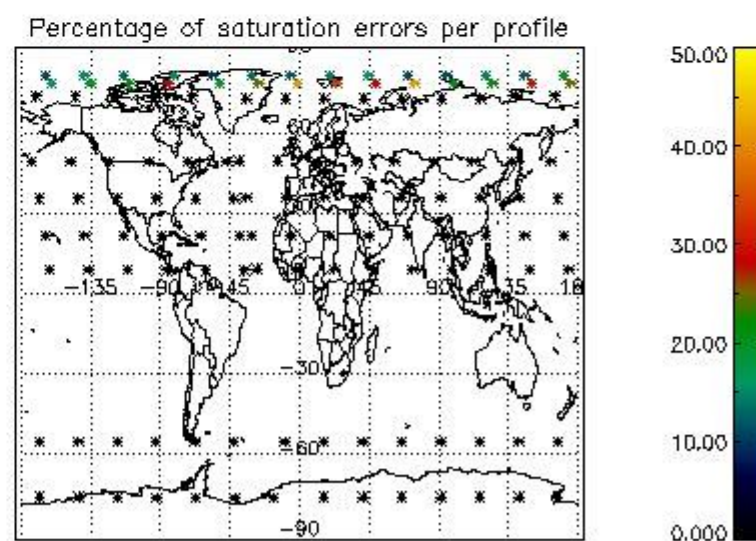
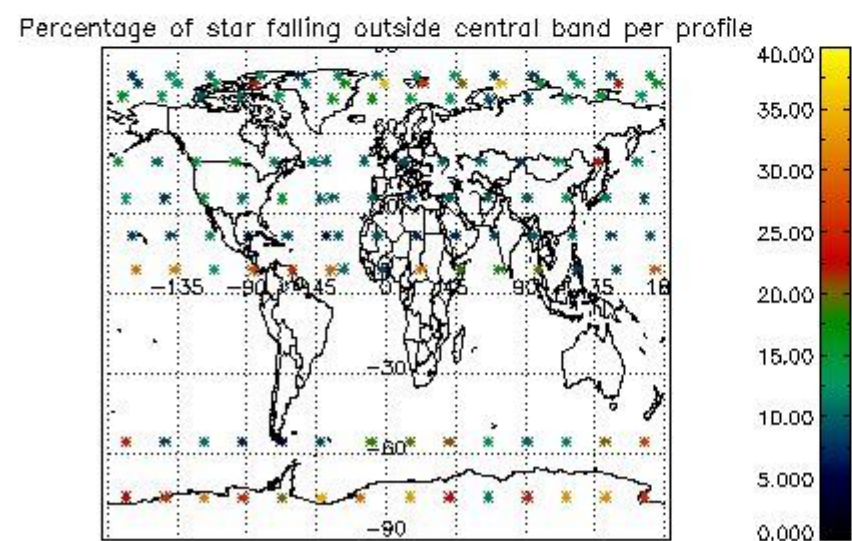
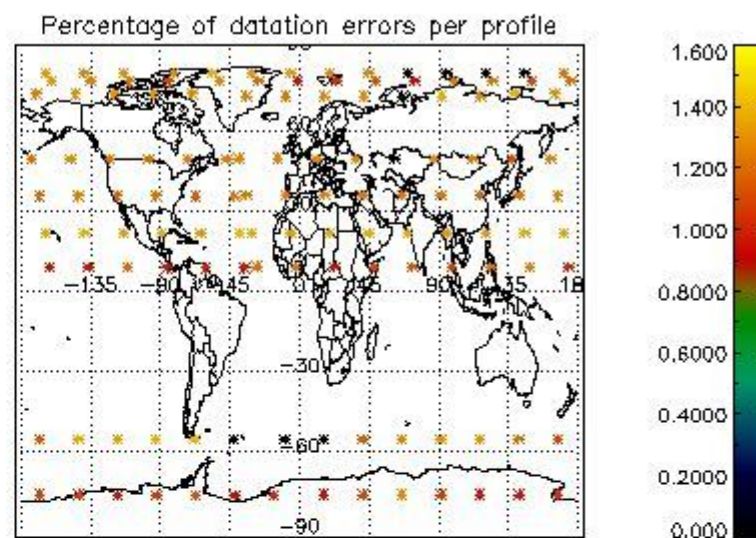
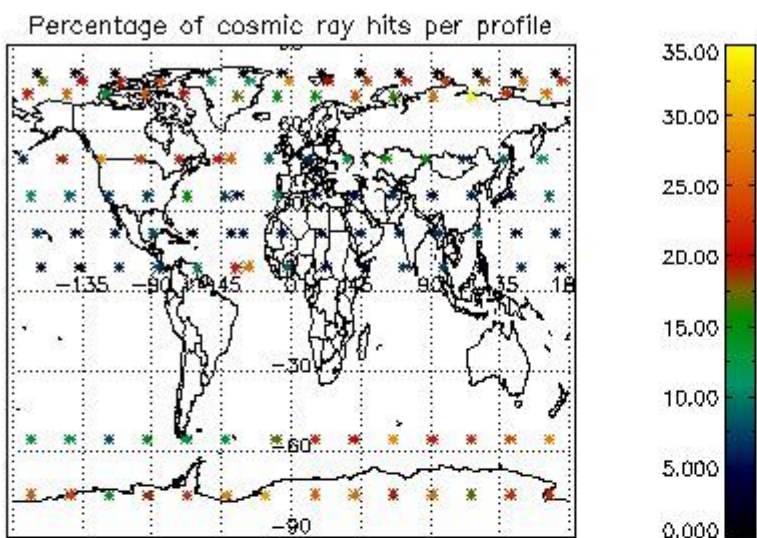


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

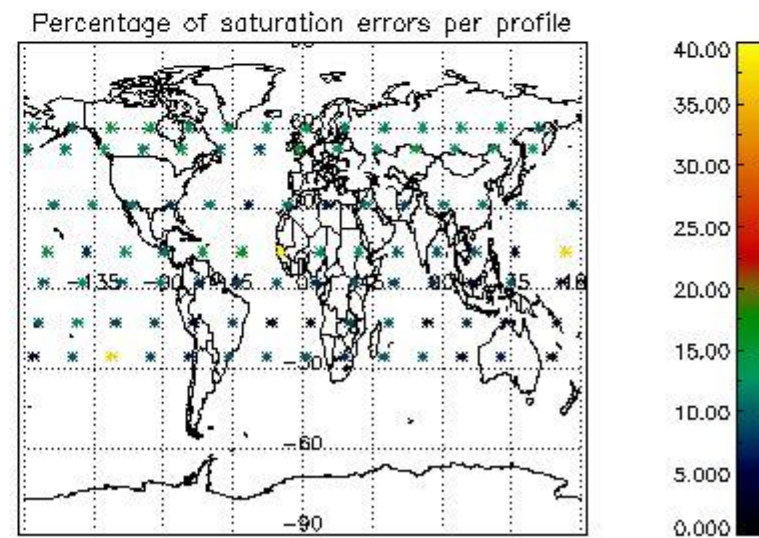
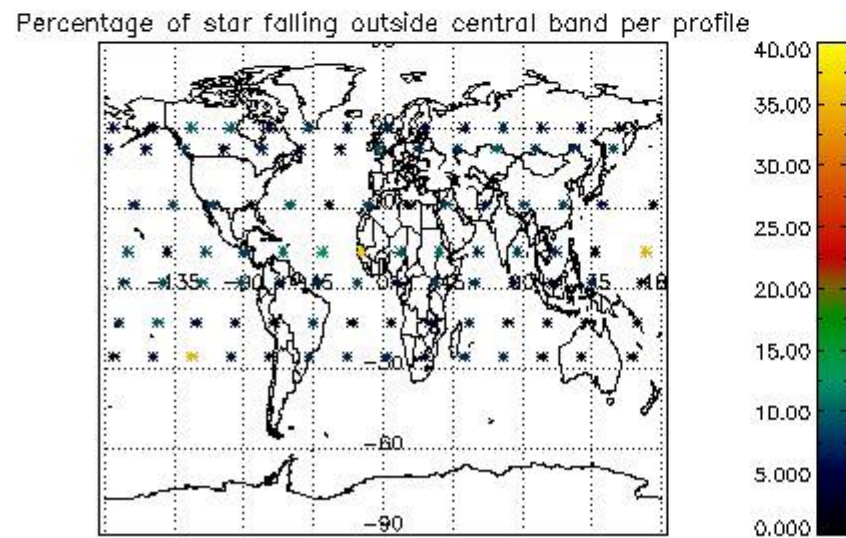
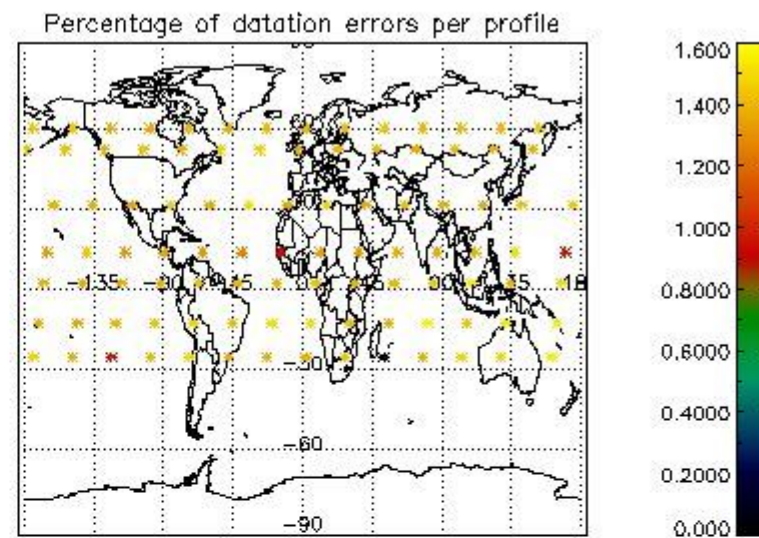
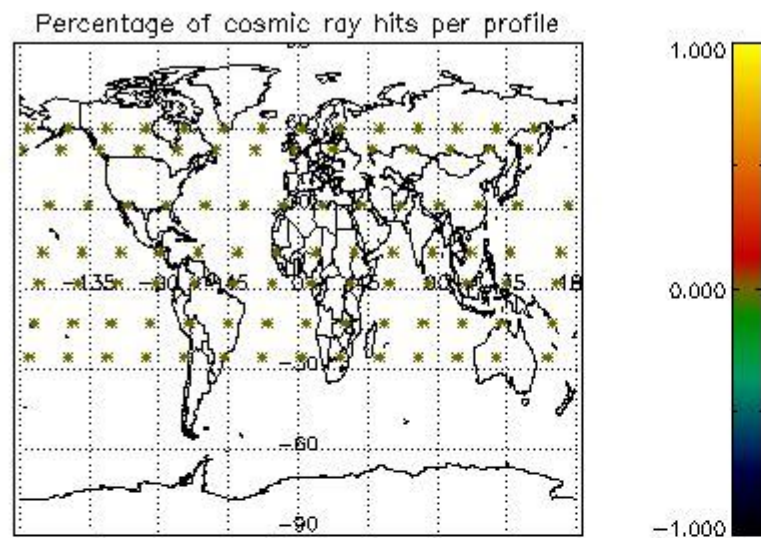


4.2 Plot quality information per product coming from level 1b processing (world map)

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

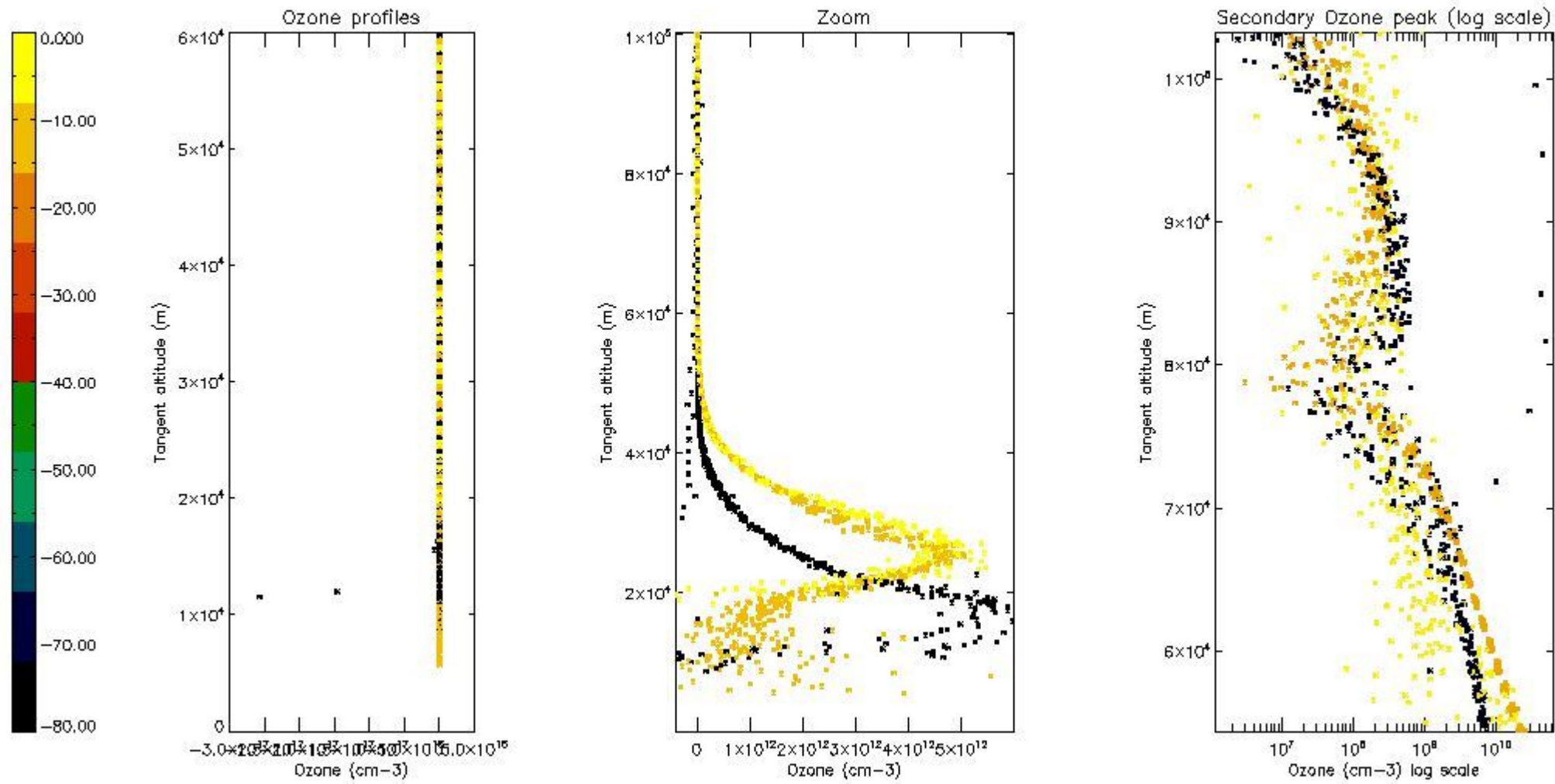
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	13

STD < 10	11
STD < 5	8

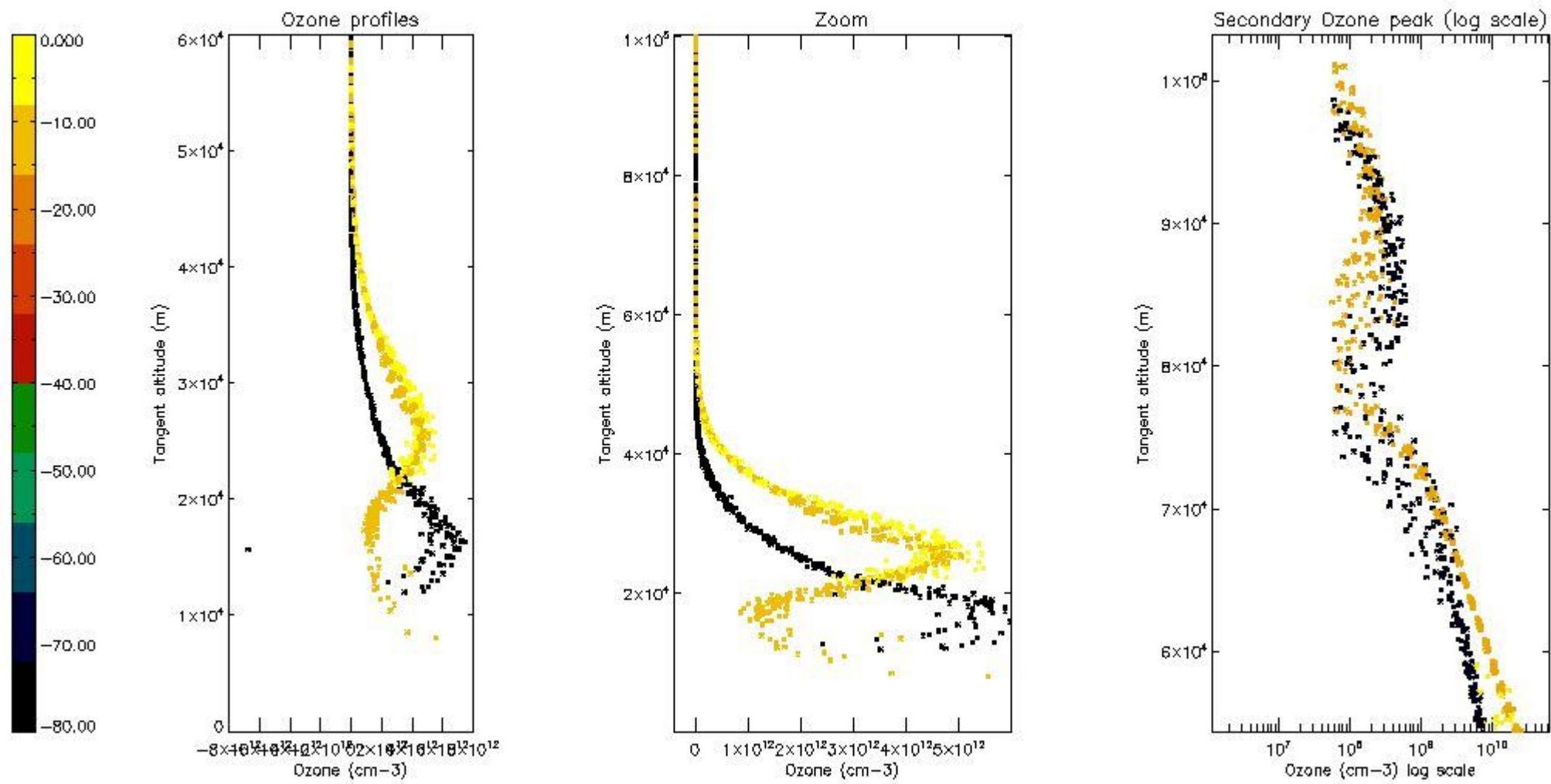
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



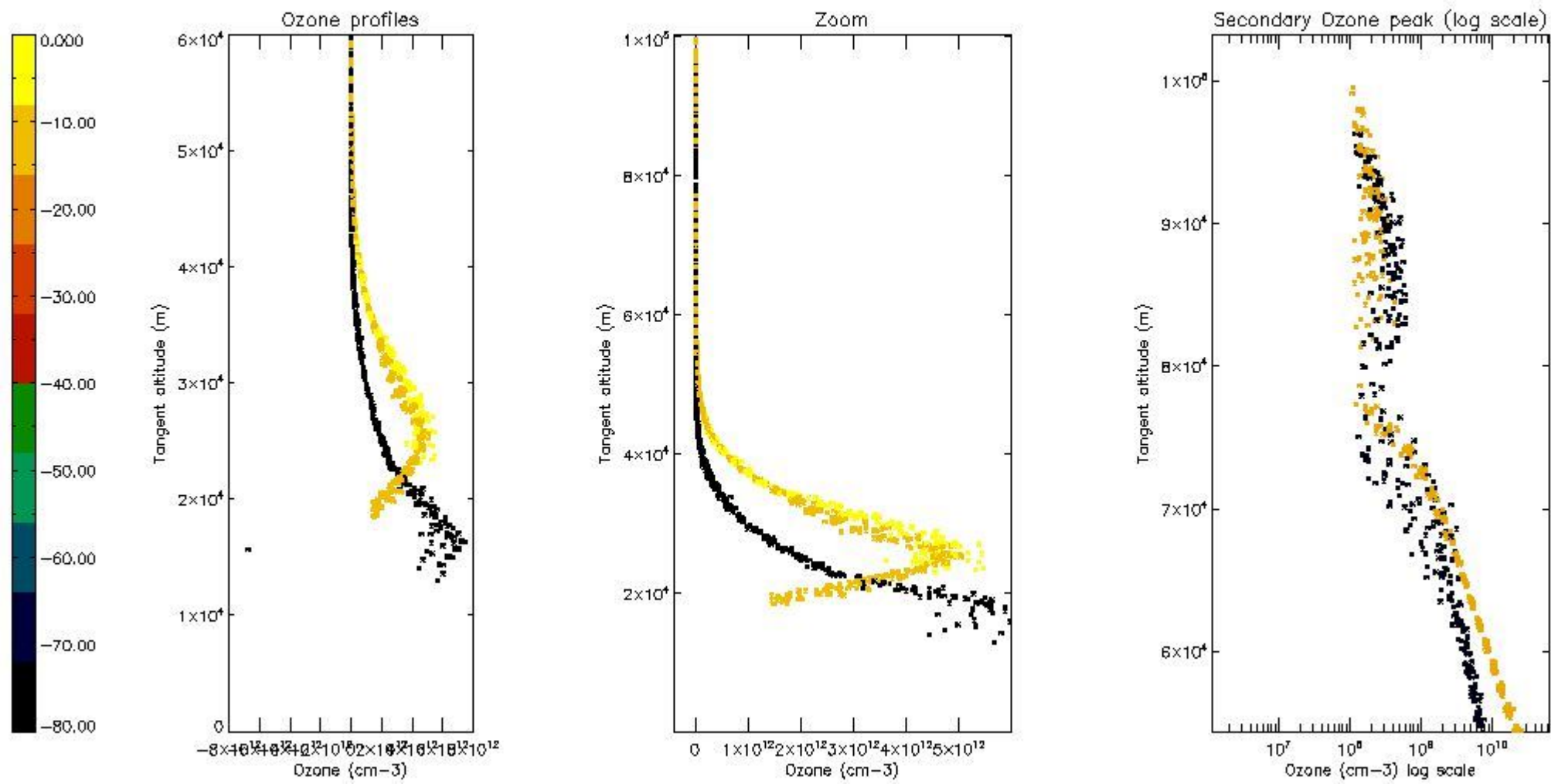
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



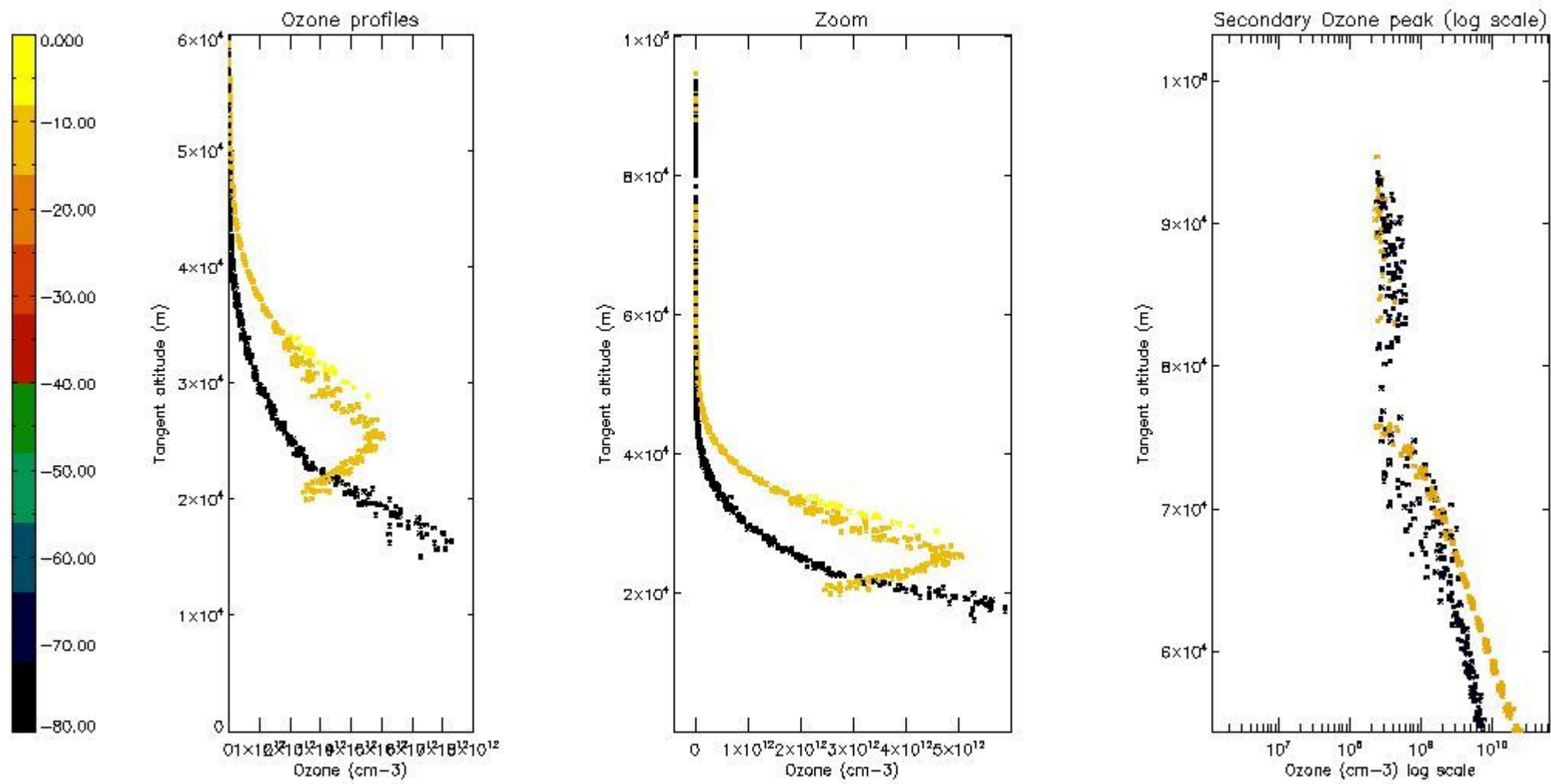
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



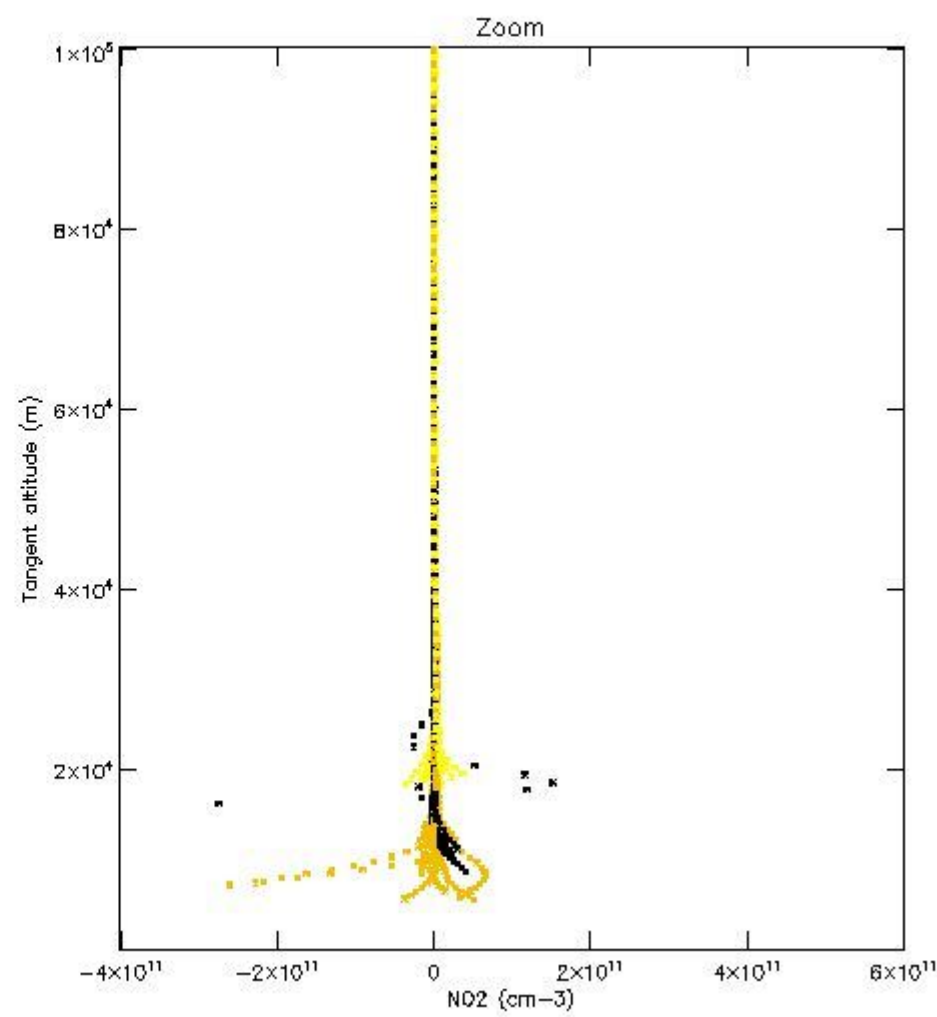
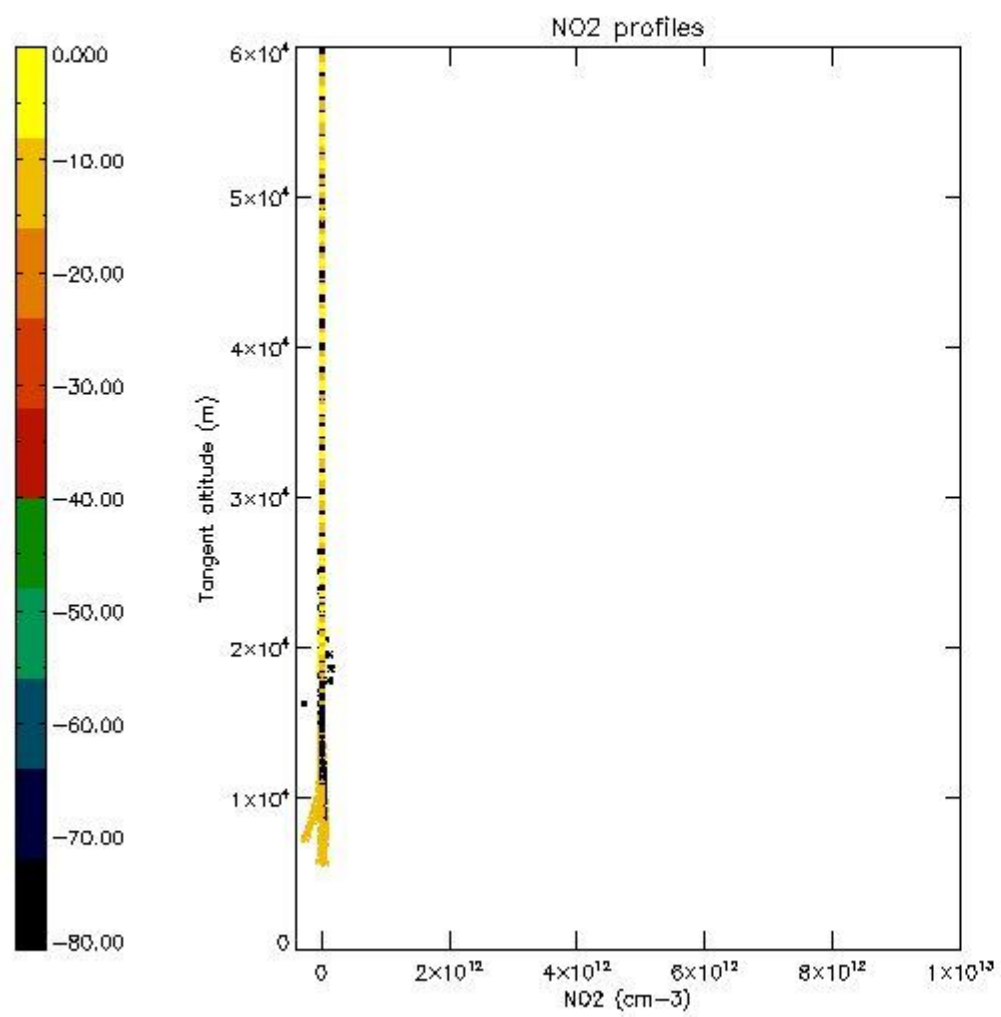
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



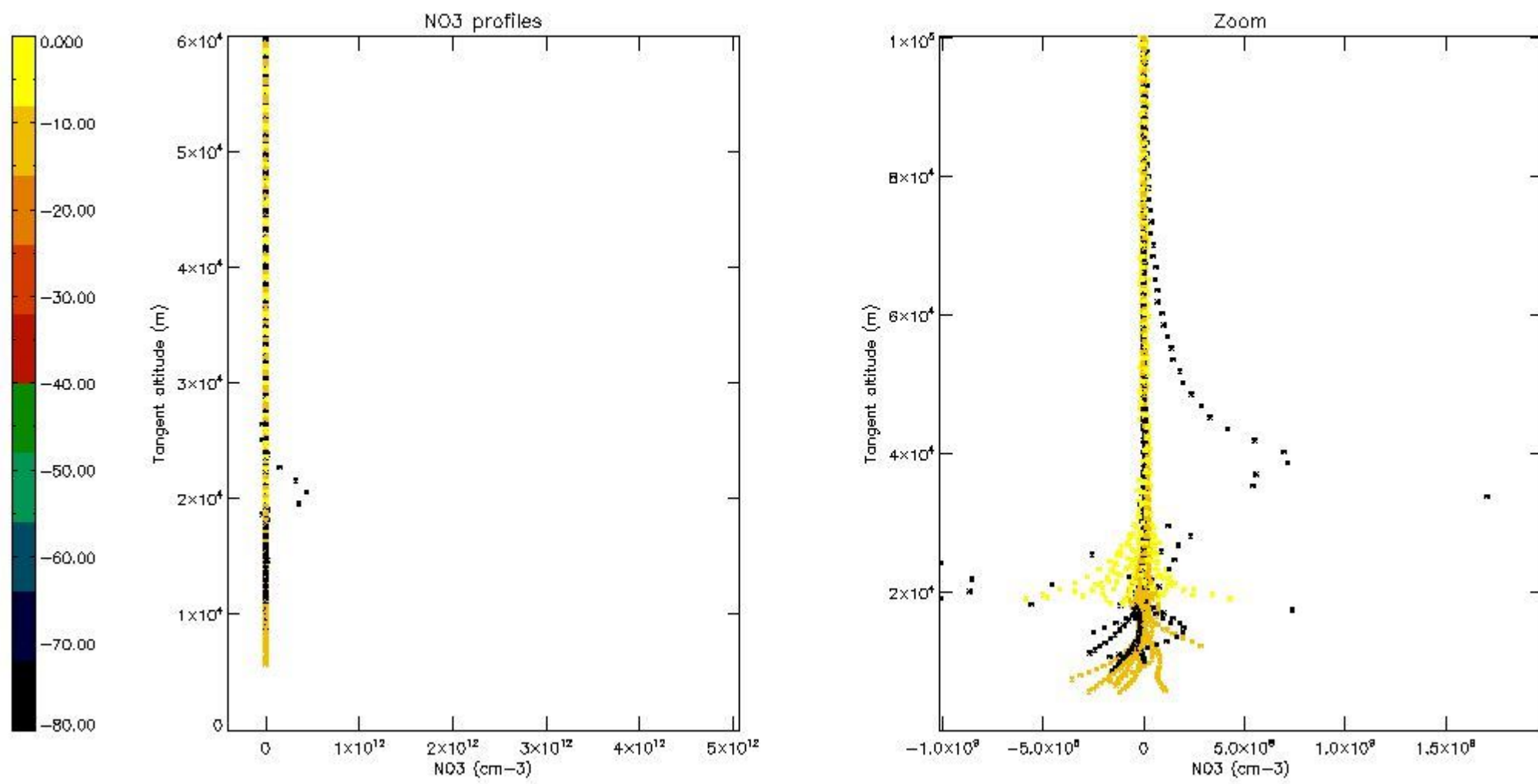
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



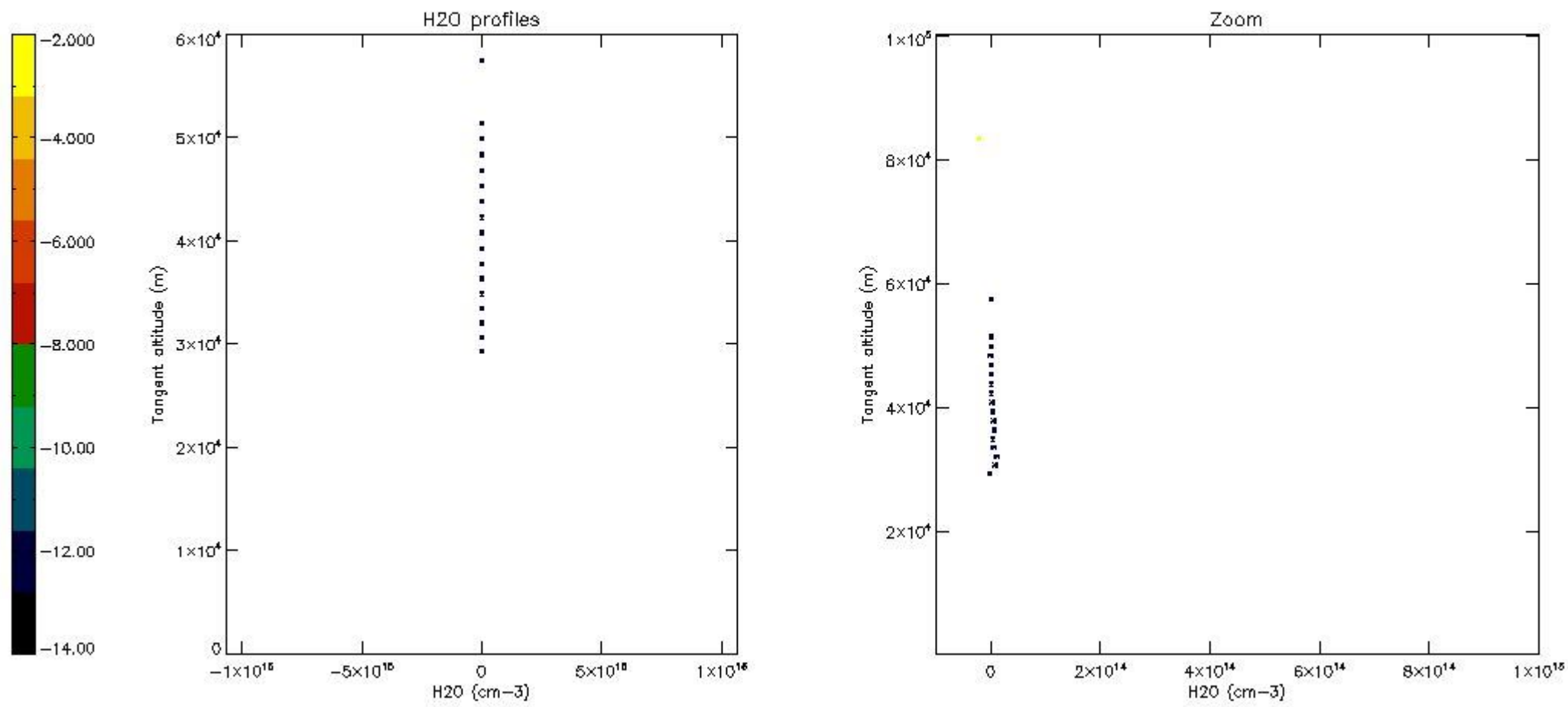
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

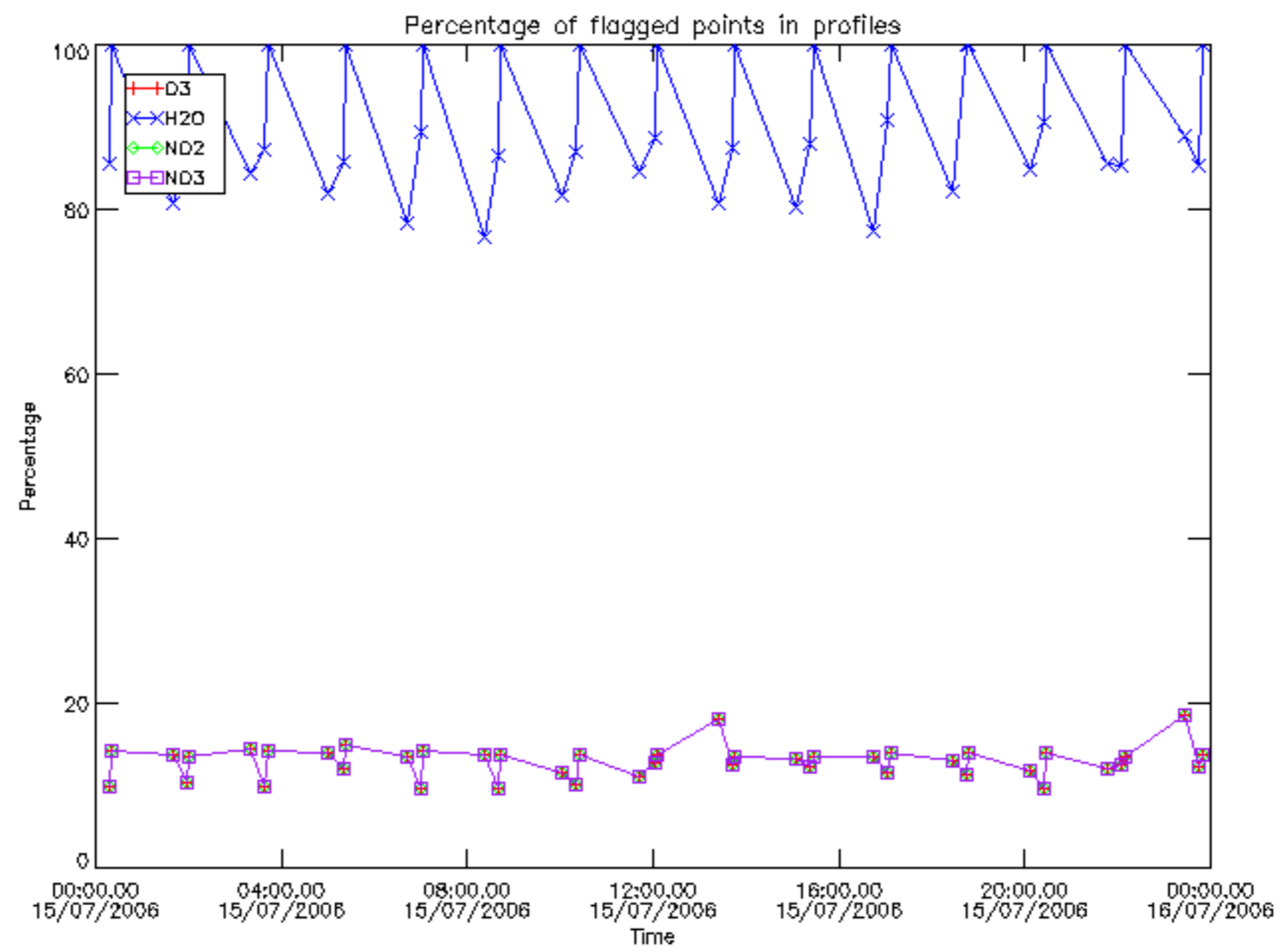
The colorbar represents the latitude.



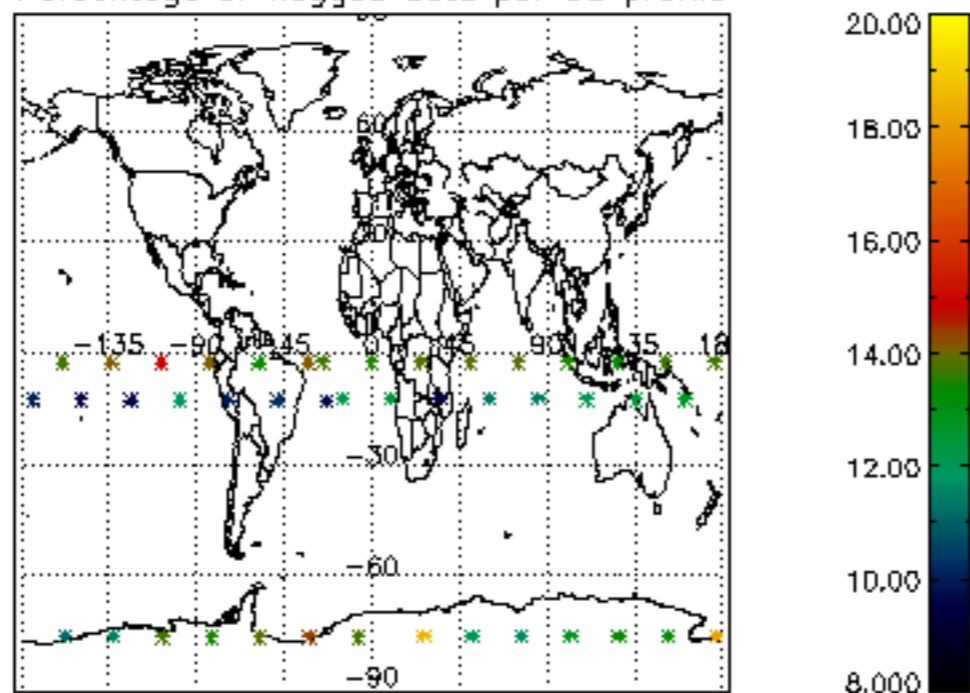
6. Auxiliary Data Files used for the production reported in section 2

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.

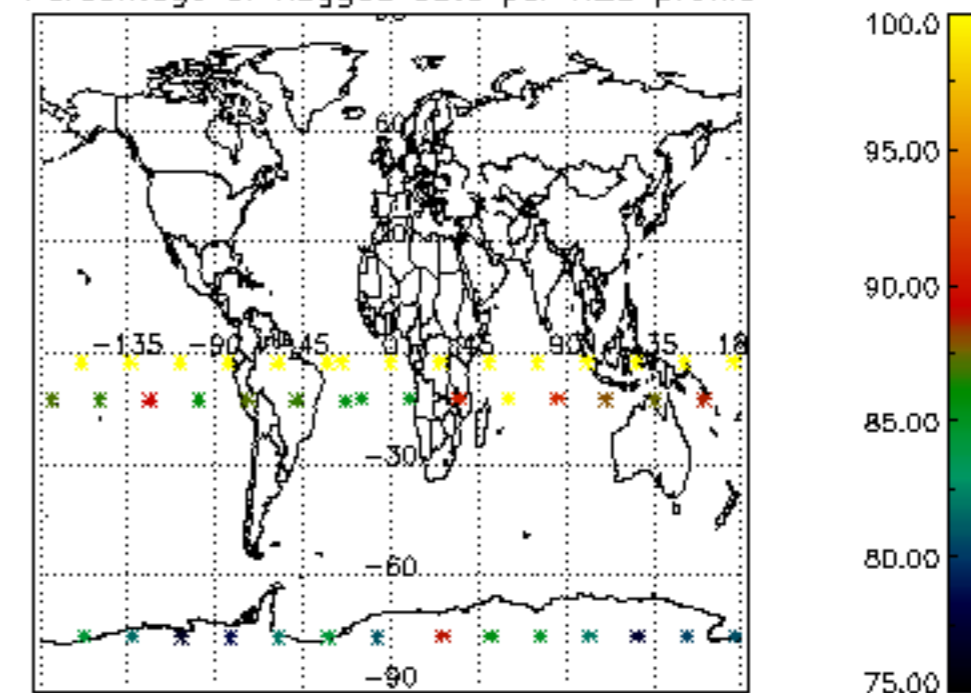
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-JUL-2006 00:17:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-JUL-2006 00:17:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-JUL-2006 00:17:12



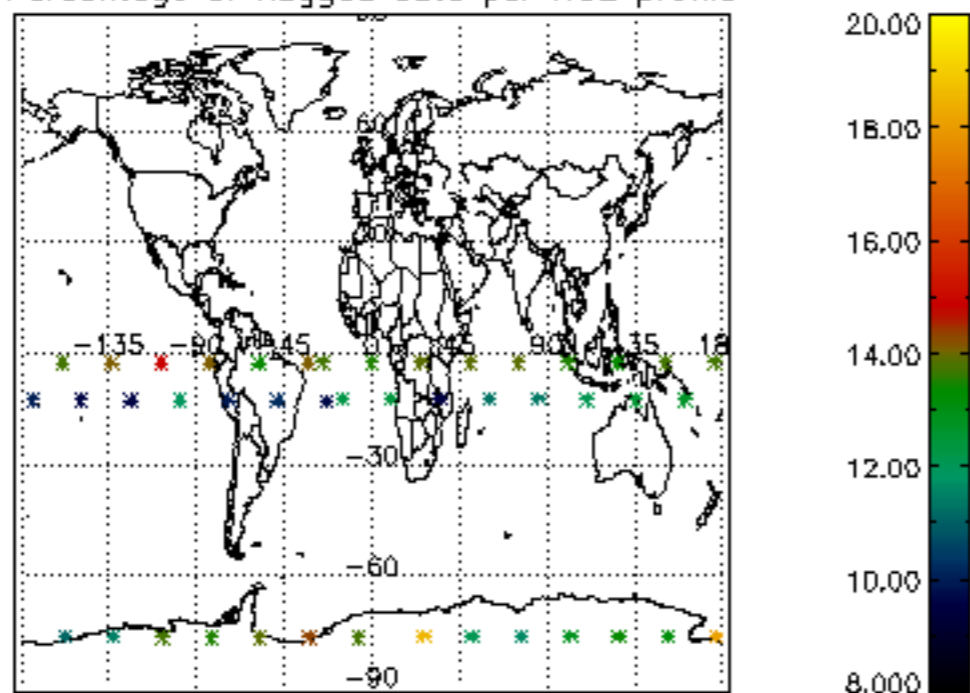
Percentage of flagged data per D3 profile



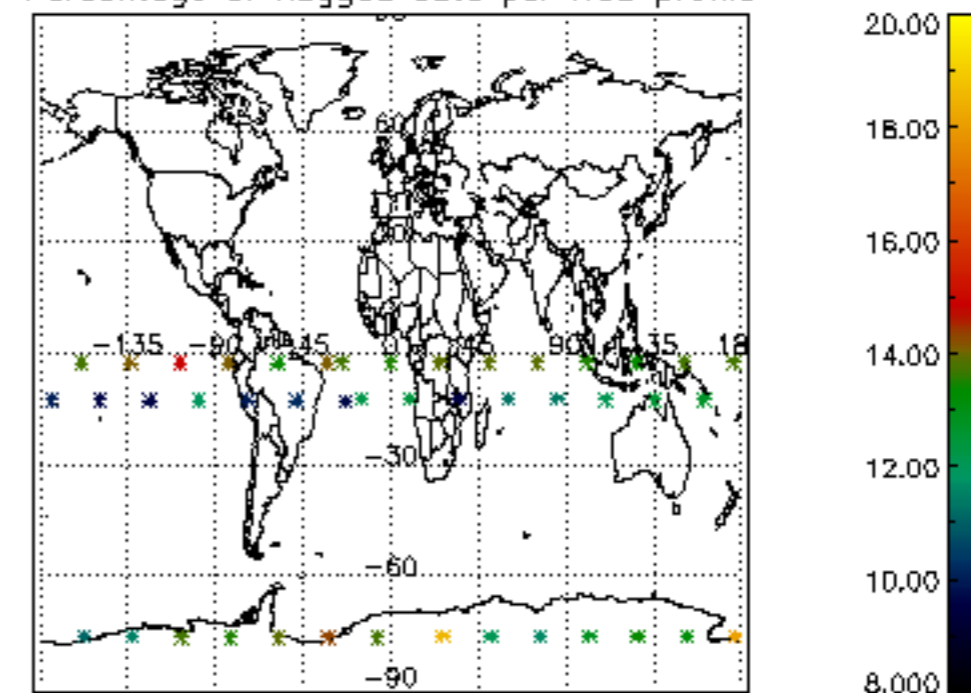
Percentage of flagged data per H2O profile

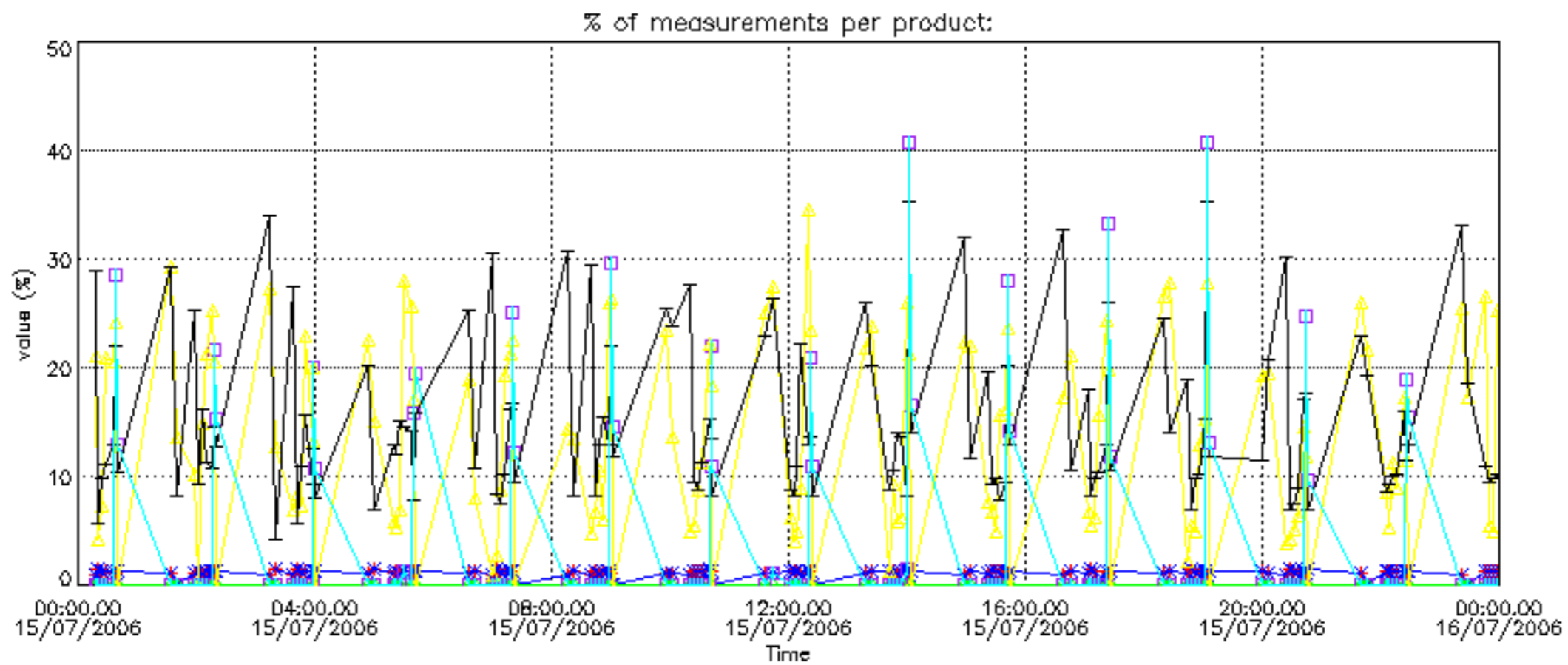


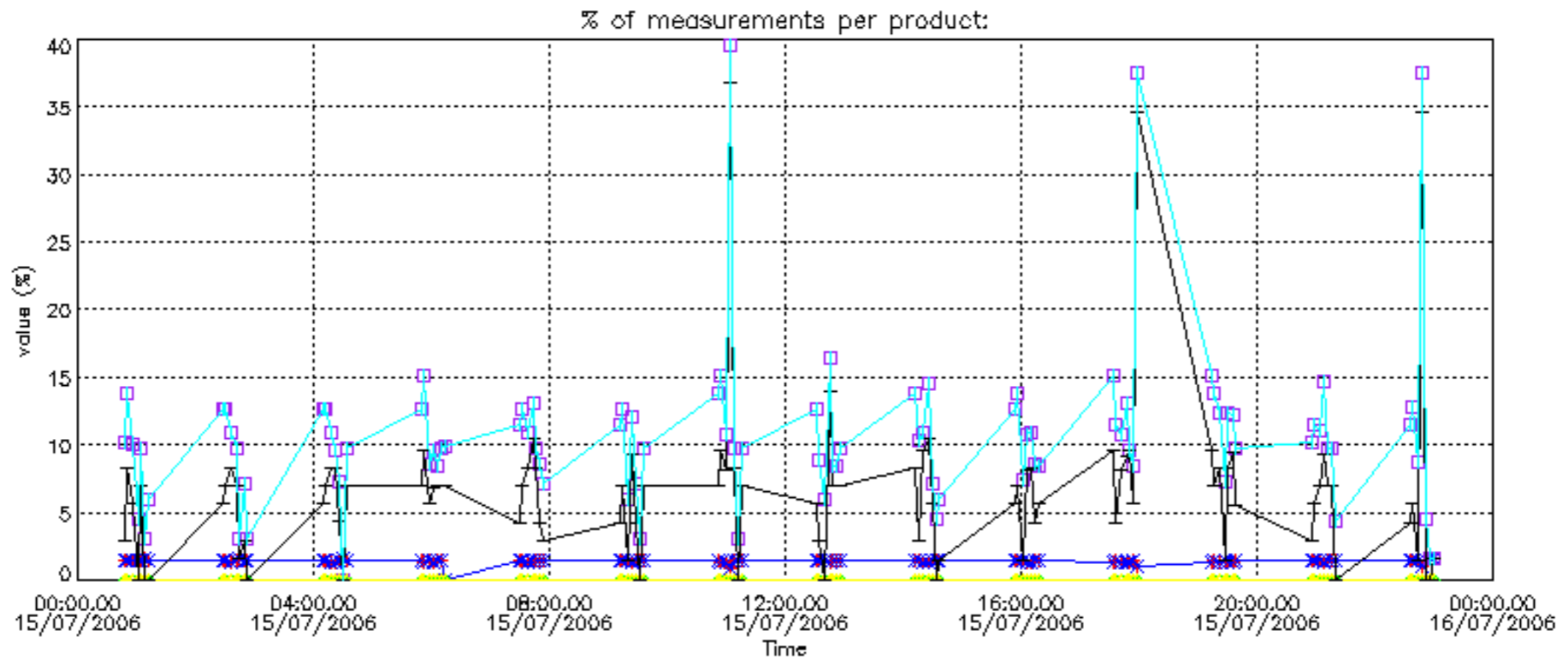
Percentage of flagged data per NO2 profile



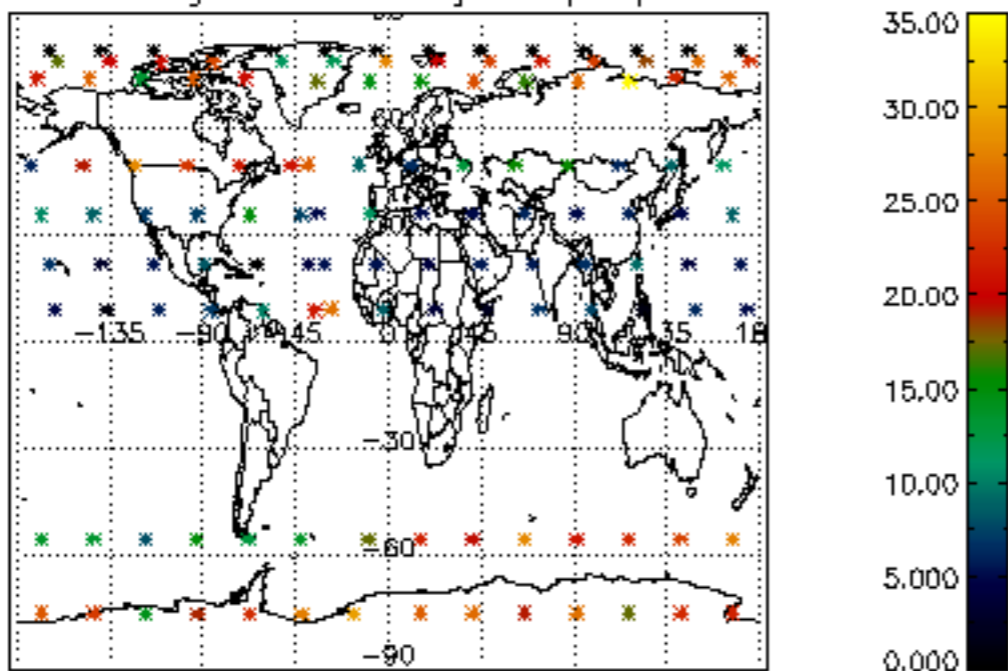
Percentage of flagged data per NO3 profile



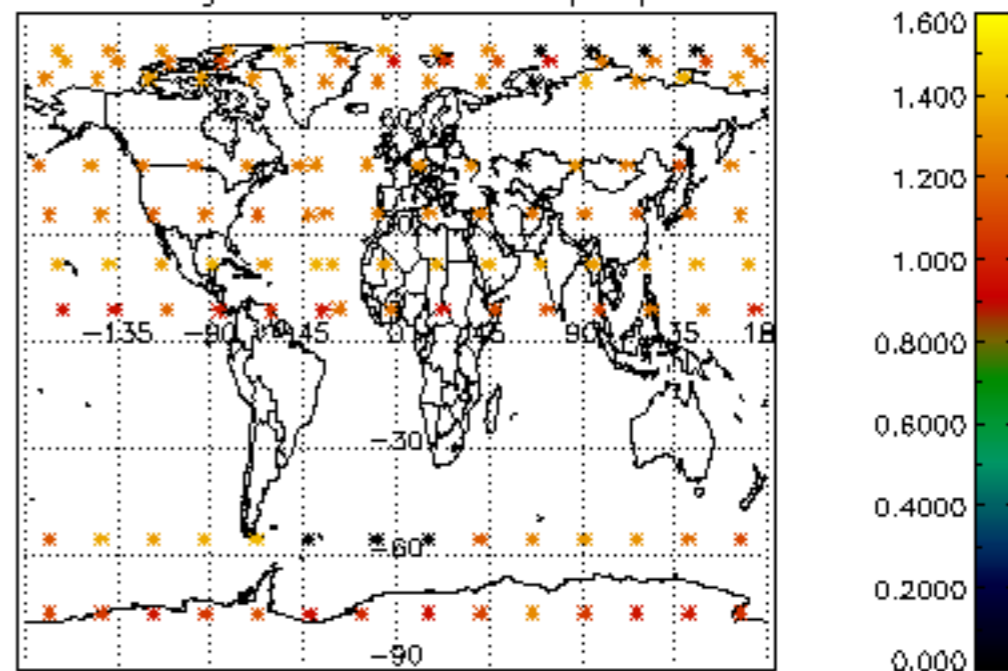




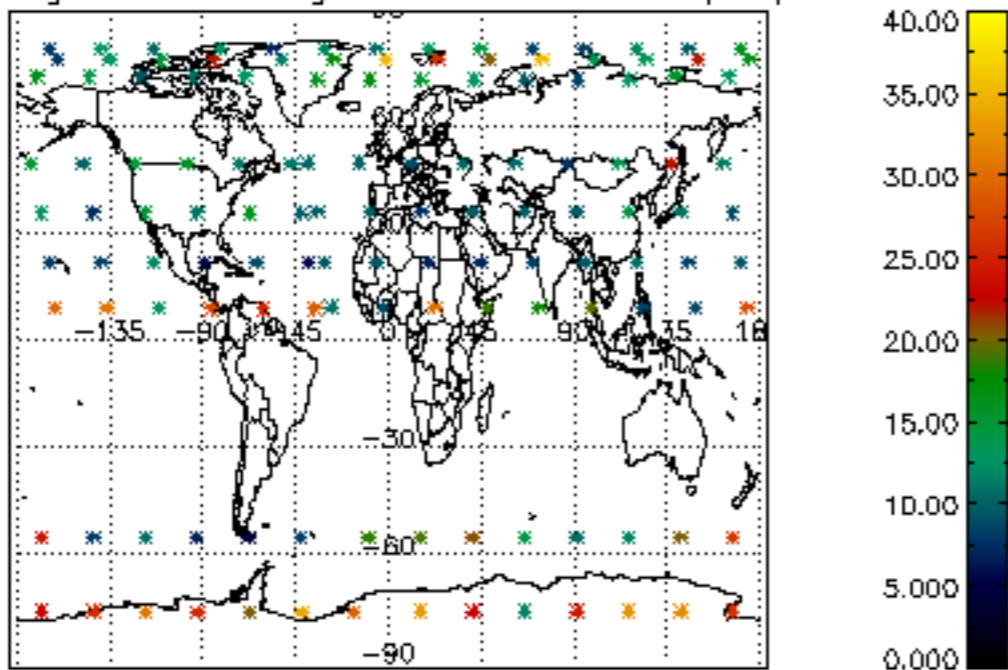
Percentage of cosmic ray hits per profile



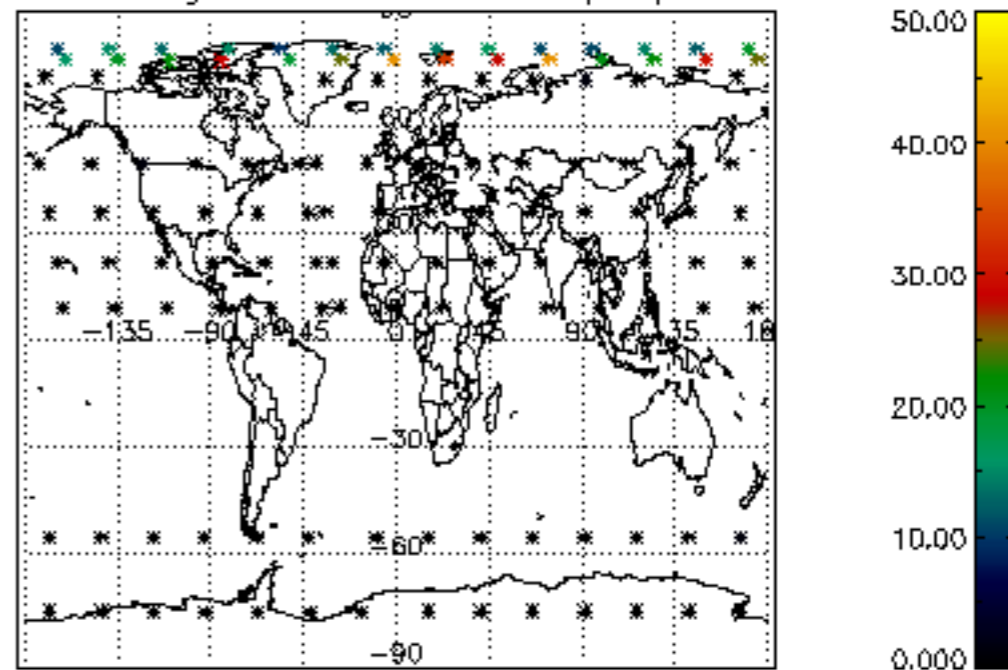
Percentage of datation errors per profile



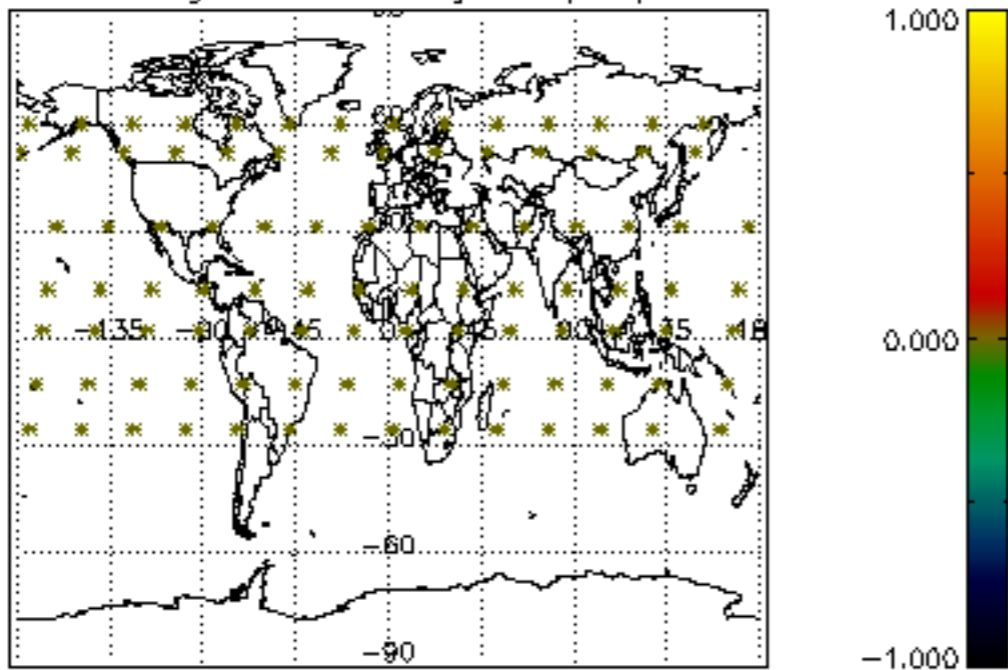
Percentage of star falling outside central band per profile



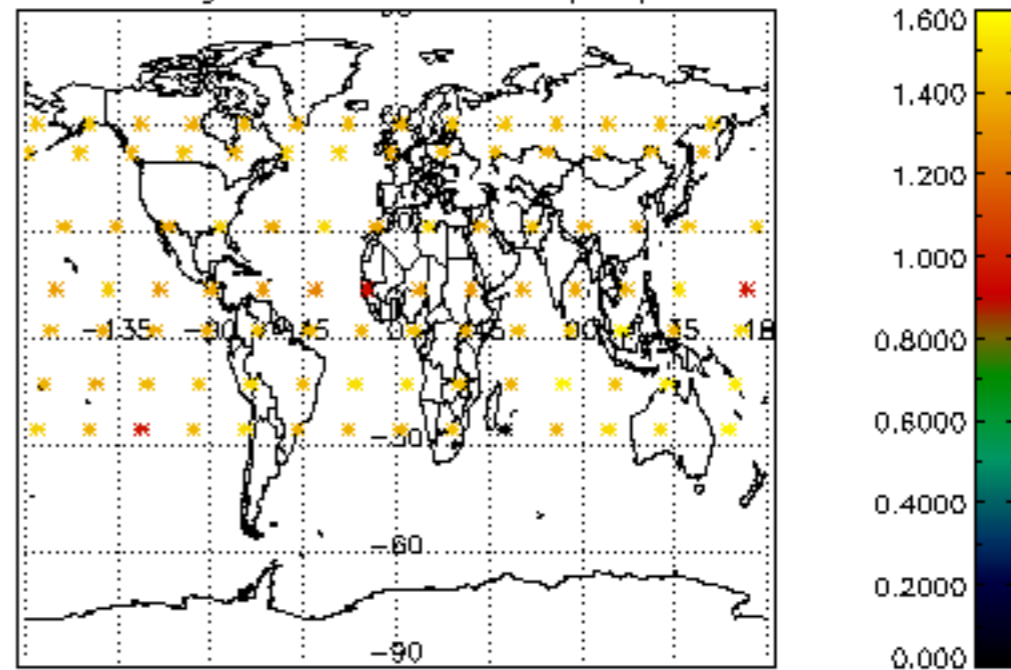
Percentage of saturation errors per profile



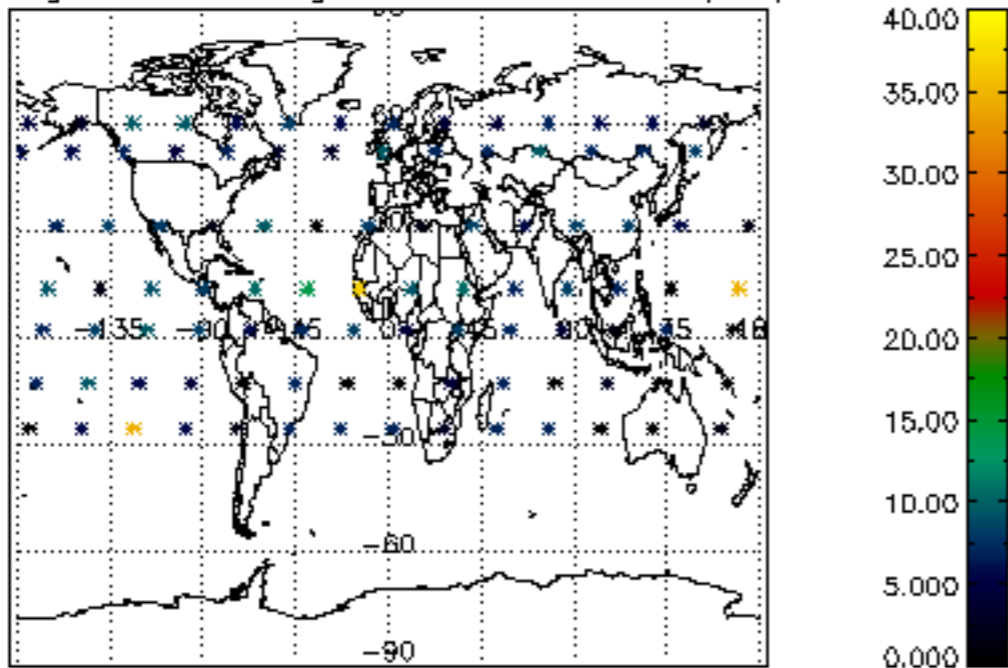
Percentage of cosmic ray hits per profile



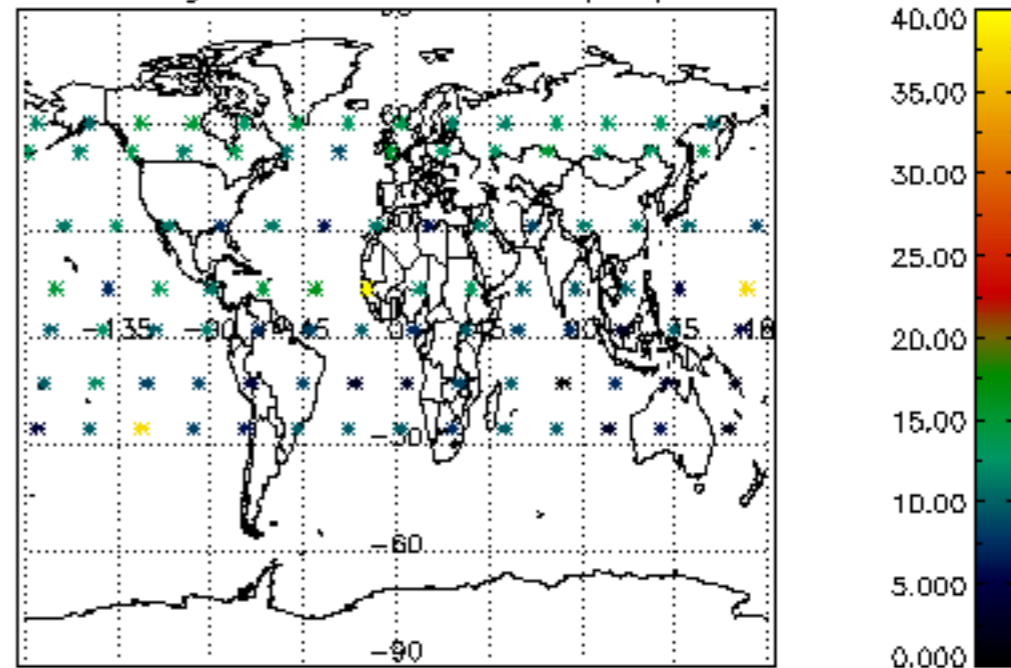
Percentage of datation errors per profile

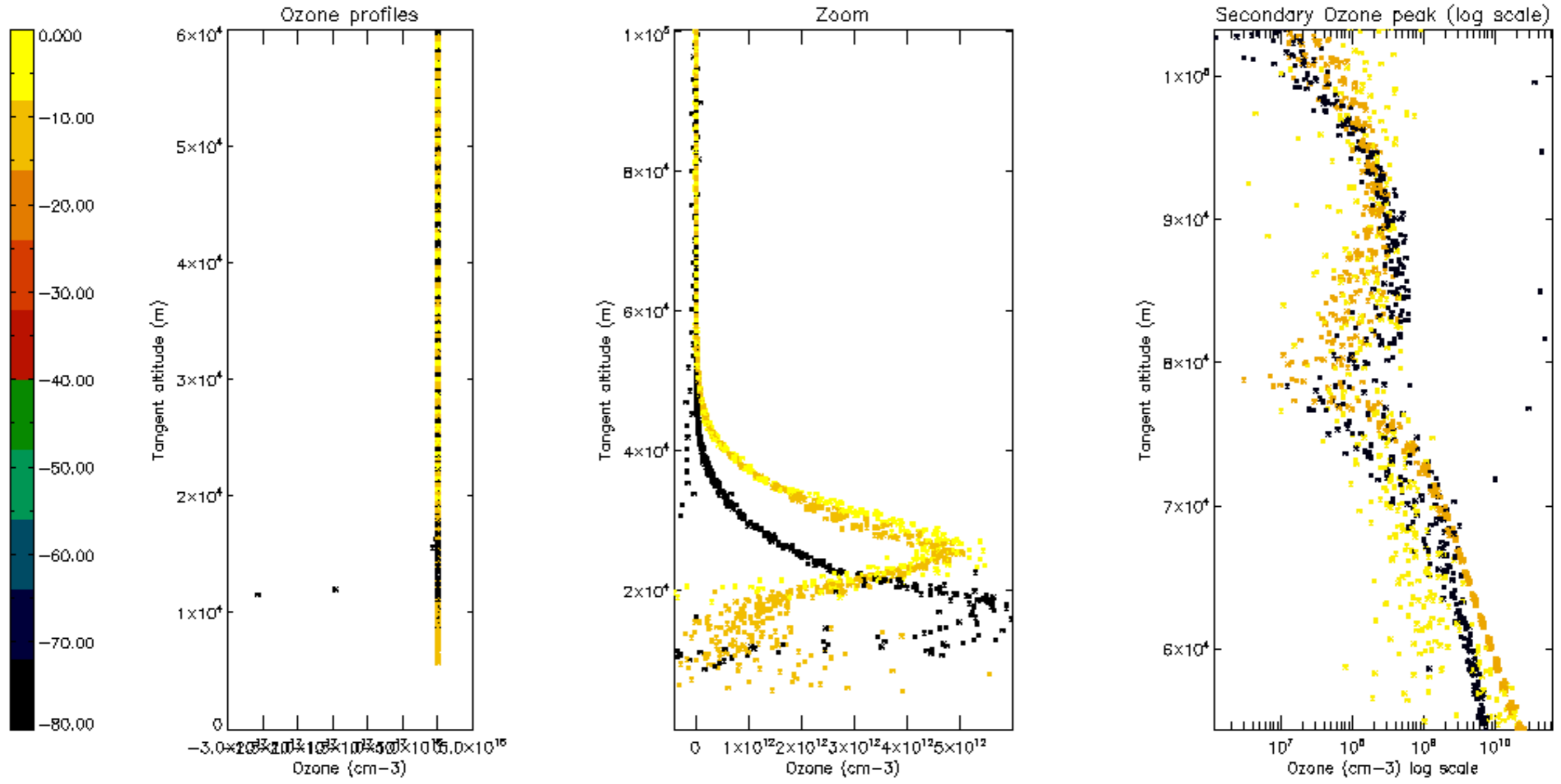


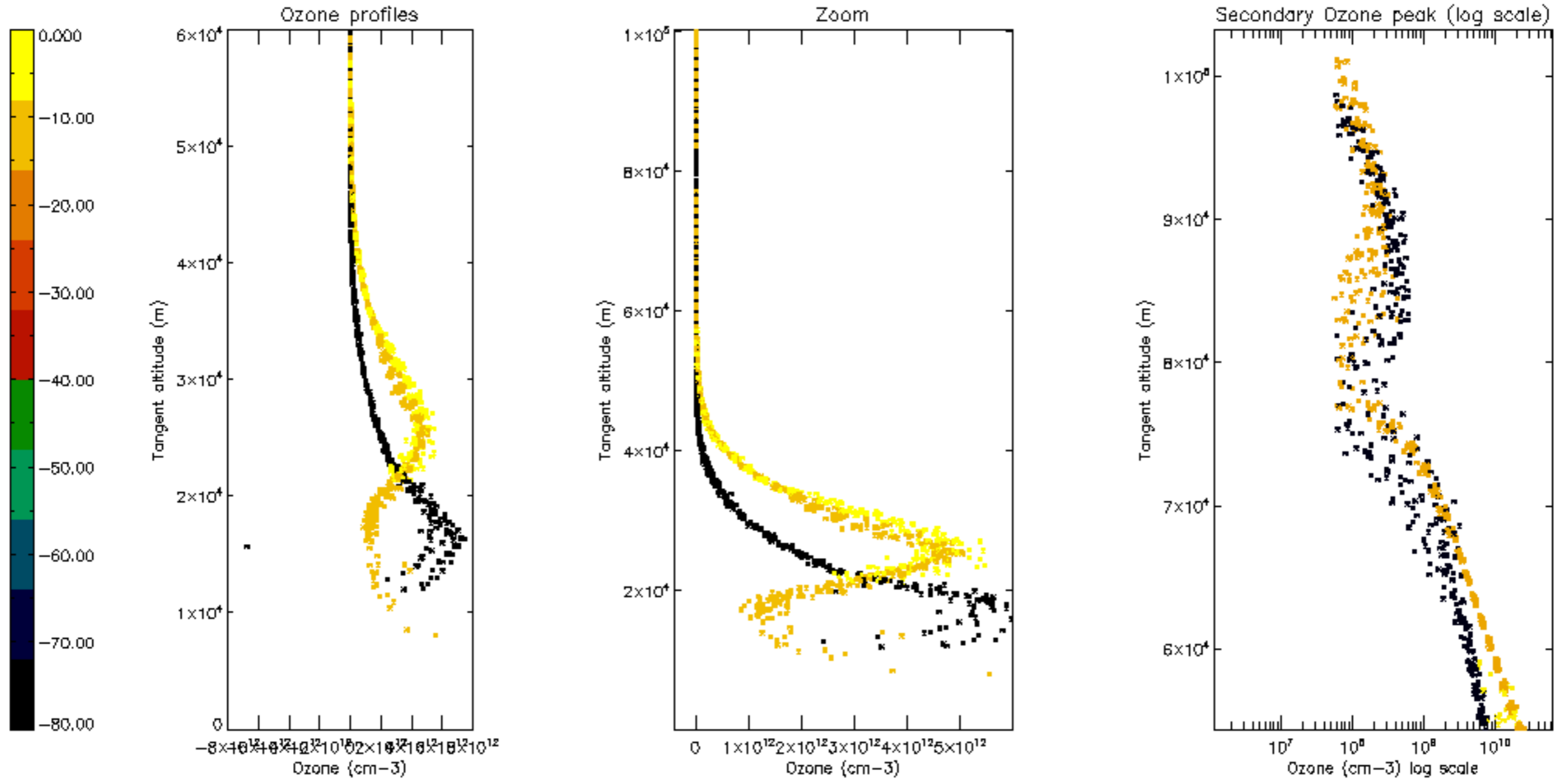
Percentage of star falling outside central band per profile

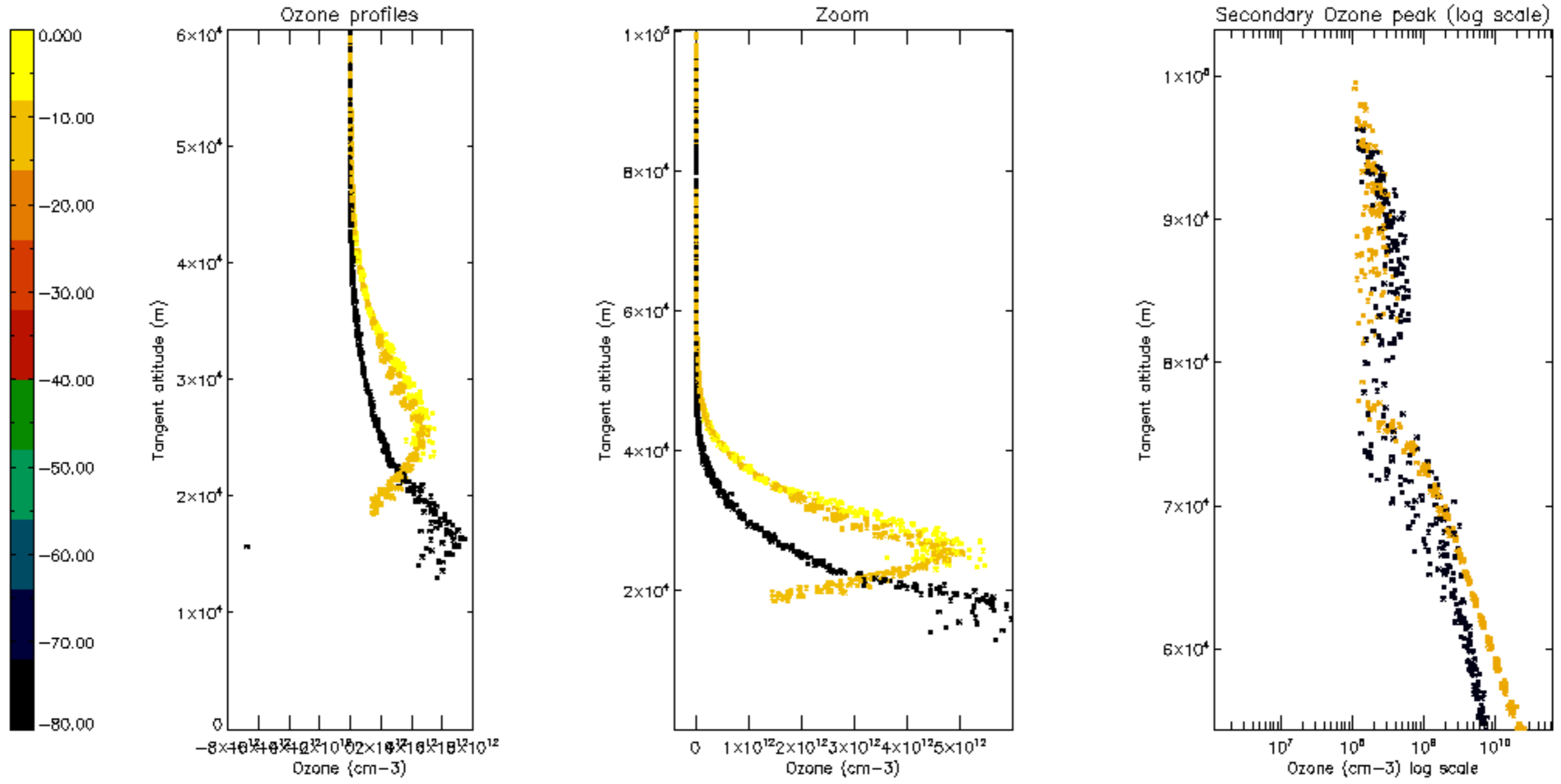


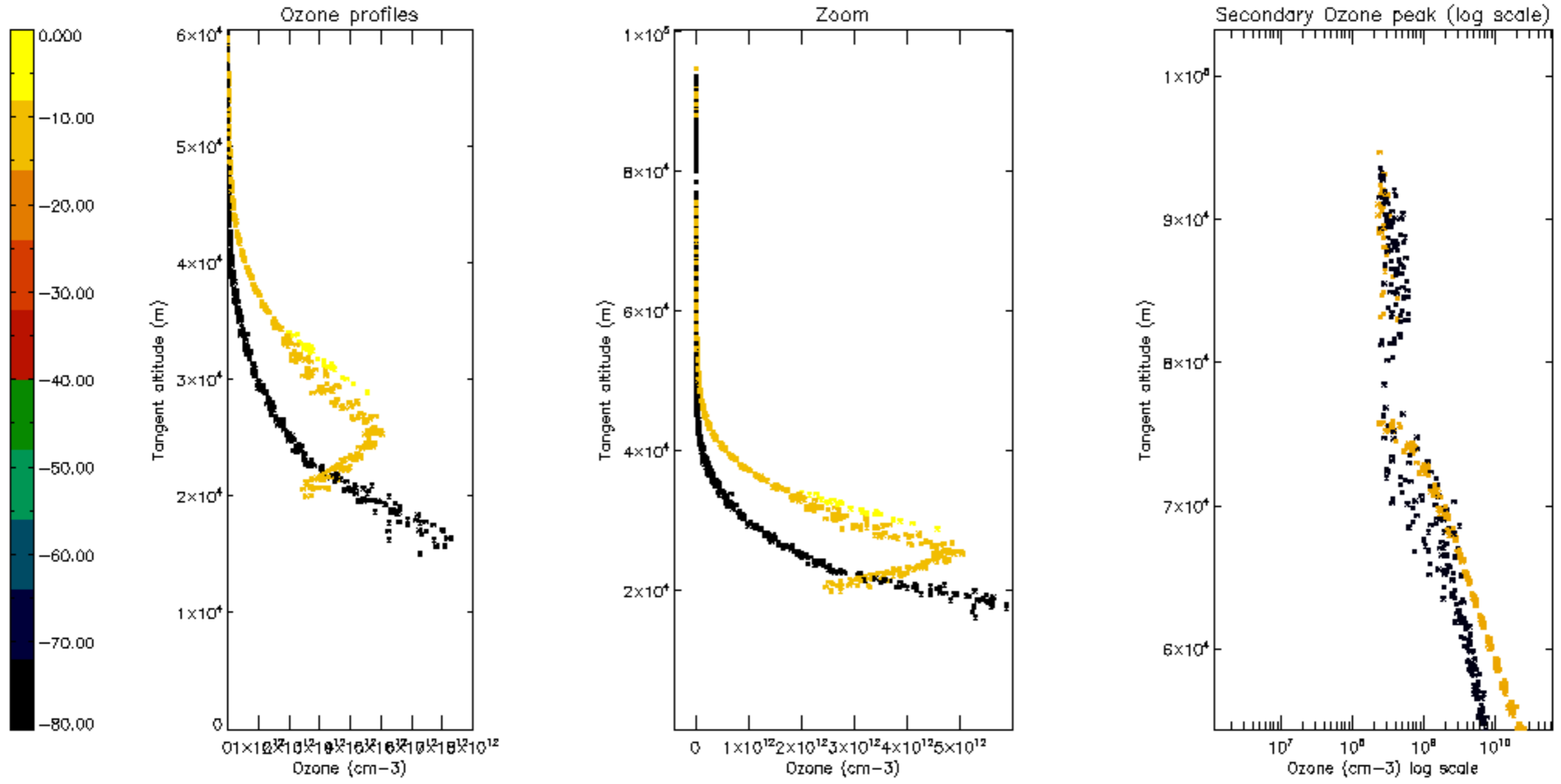
Percentage of saturation errors per profile

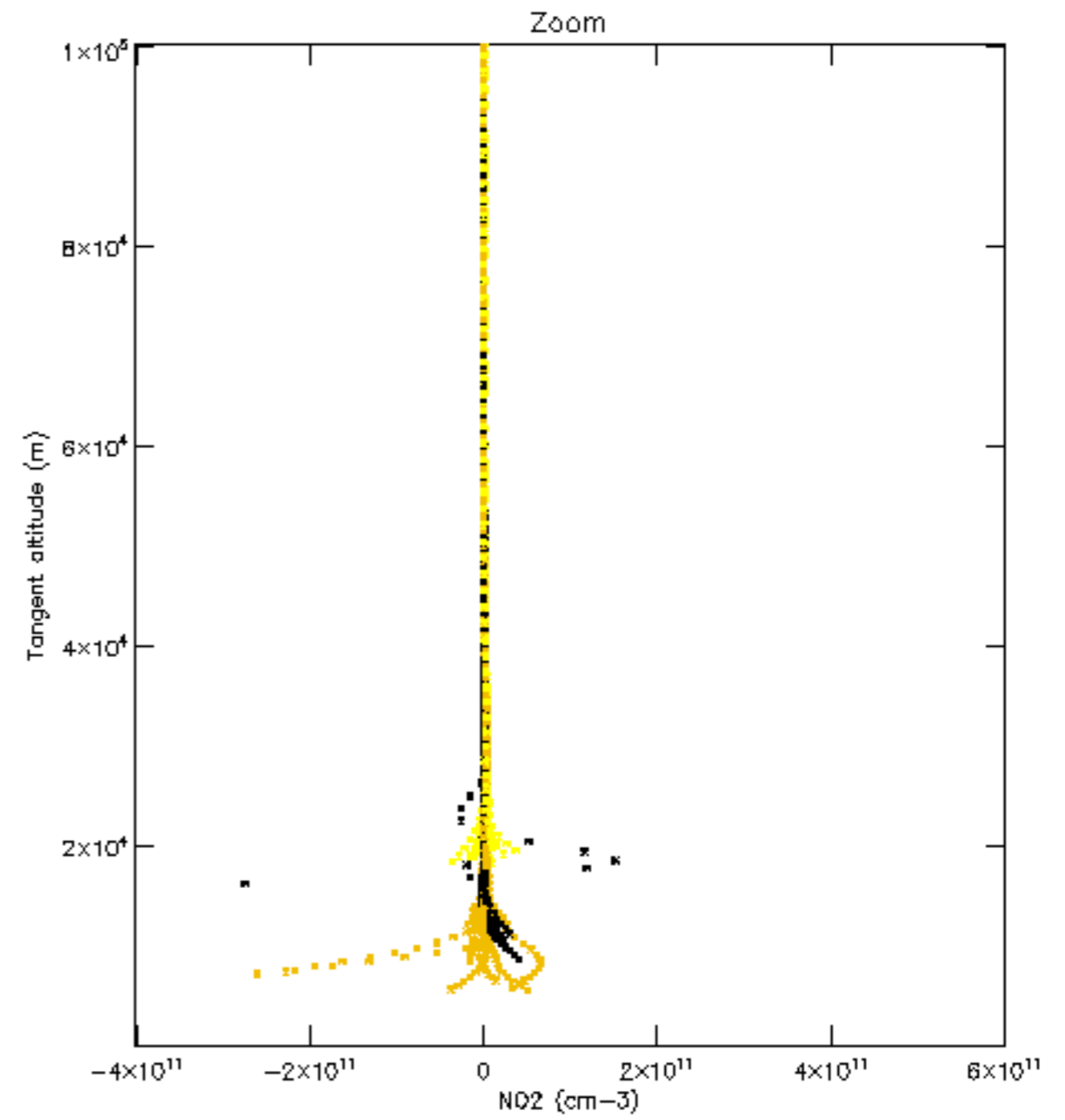
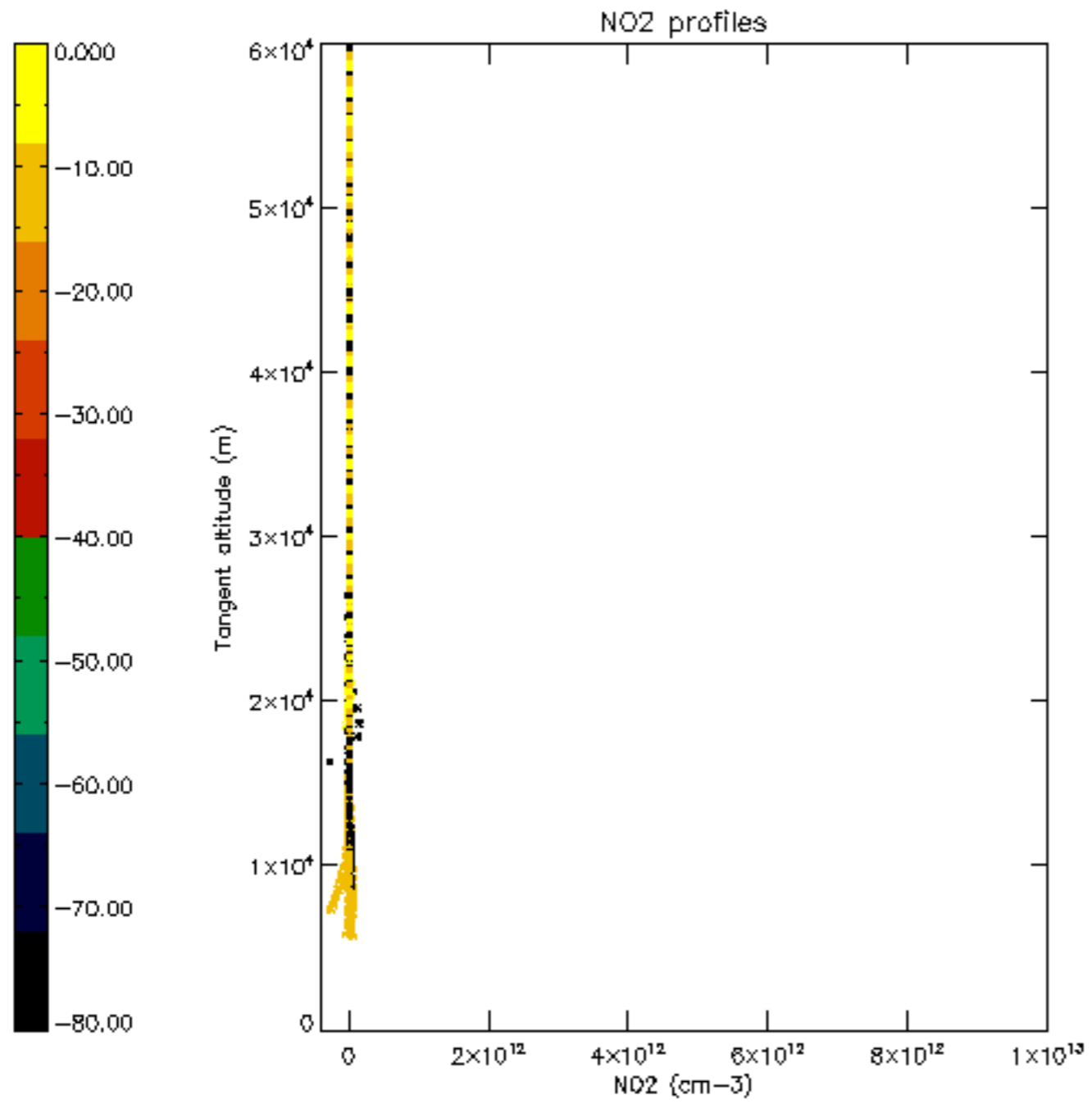


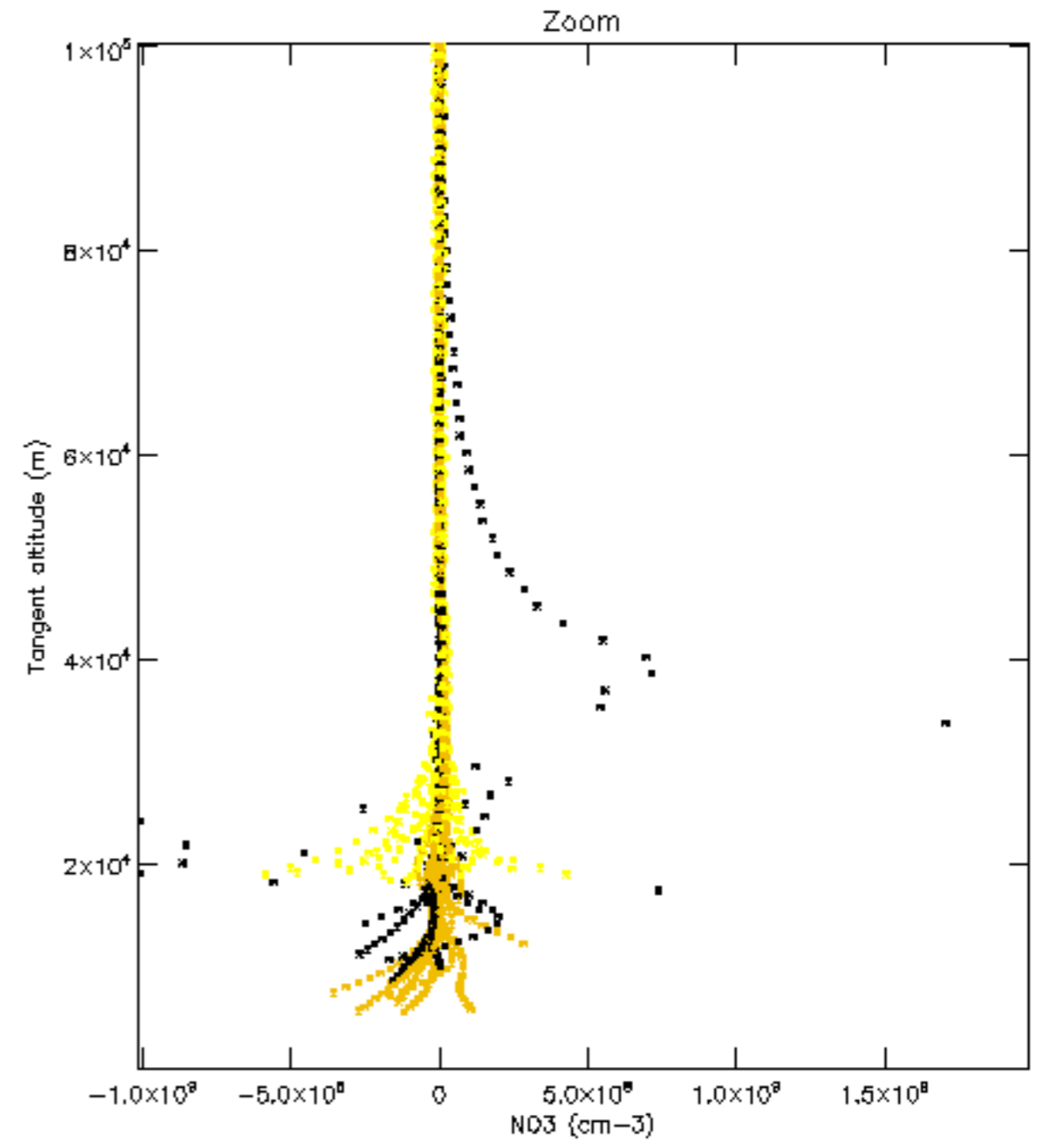
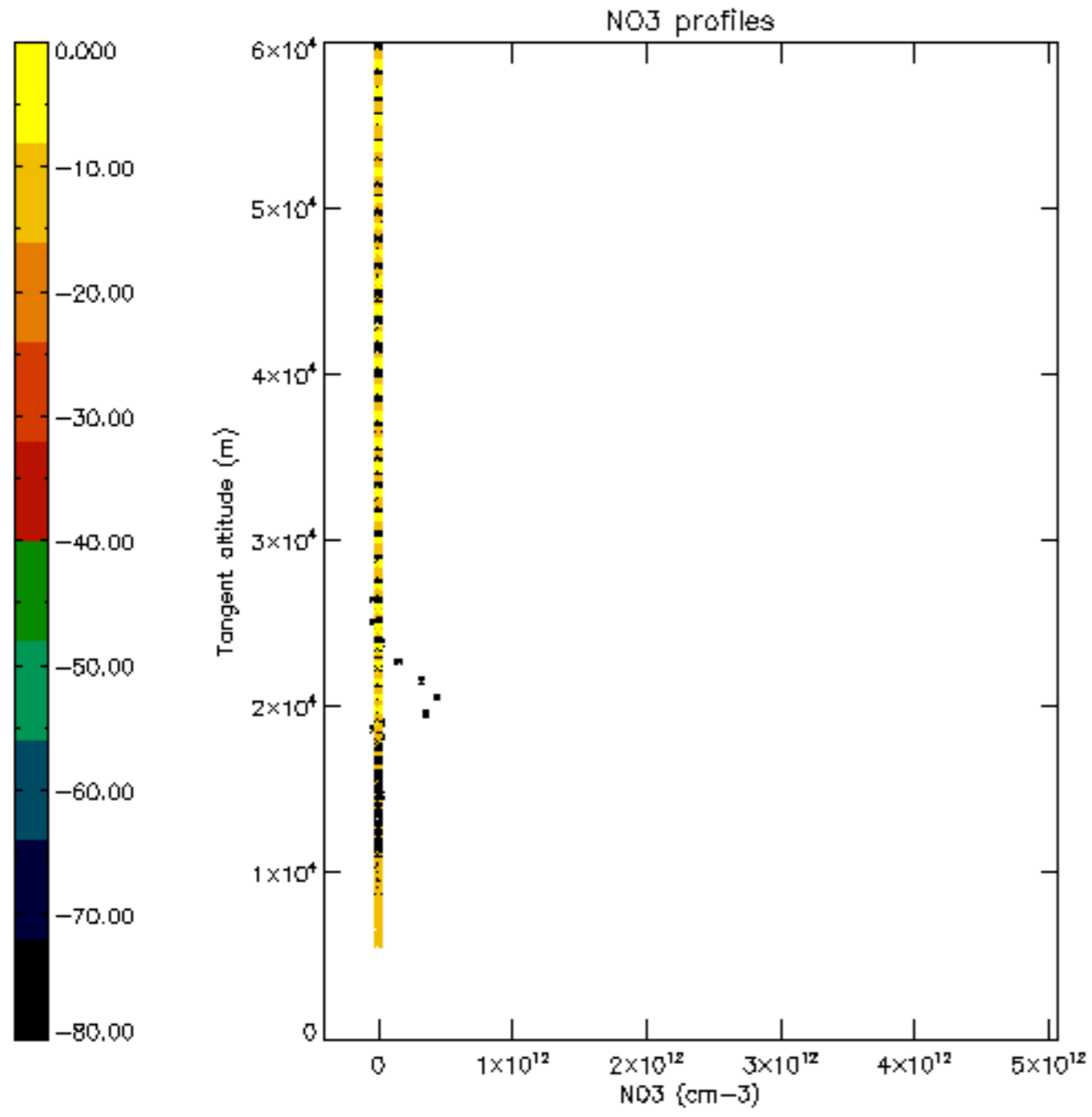


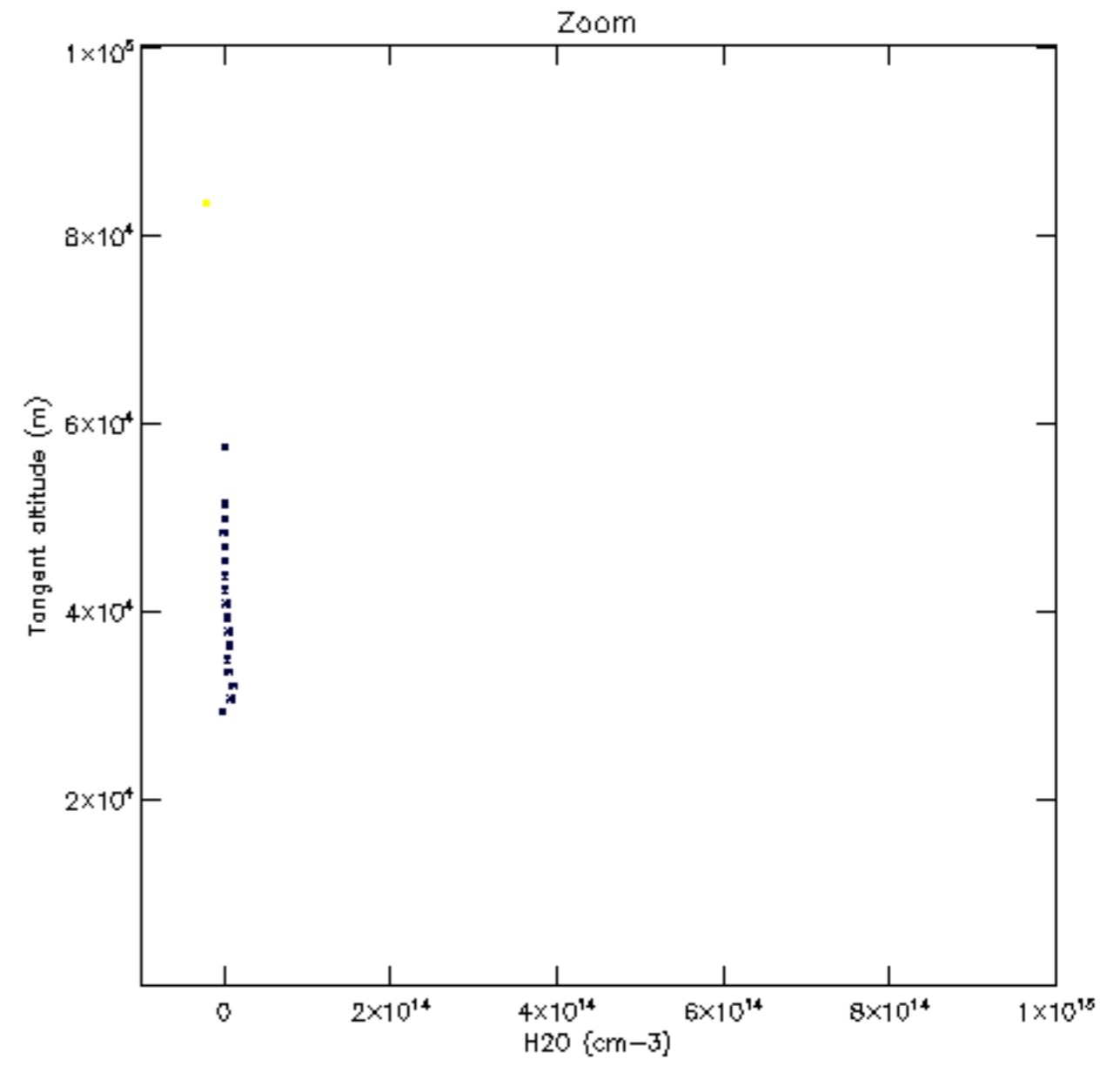
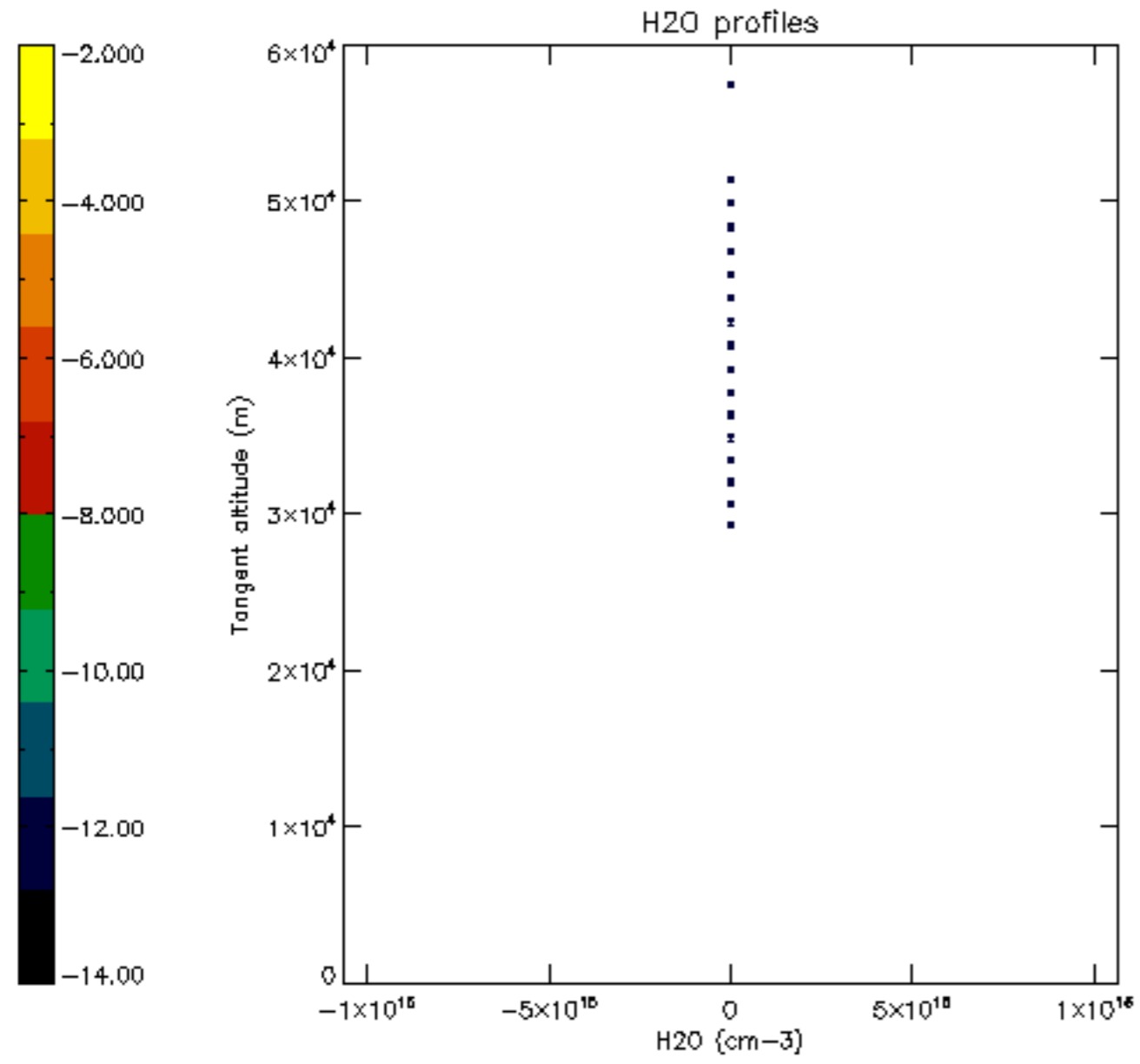


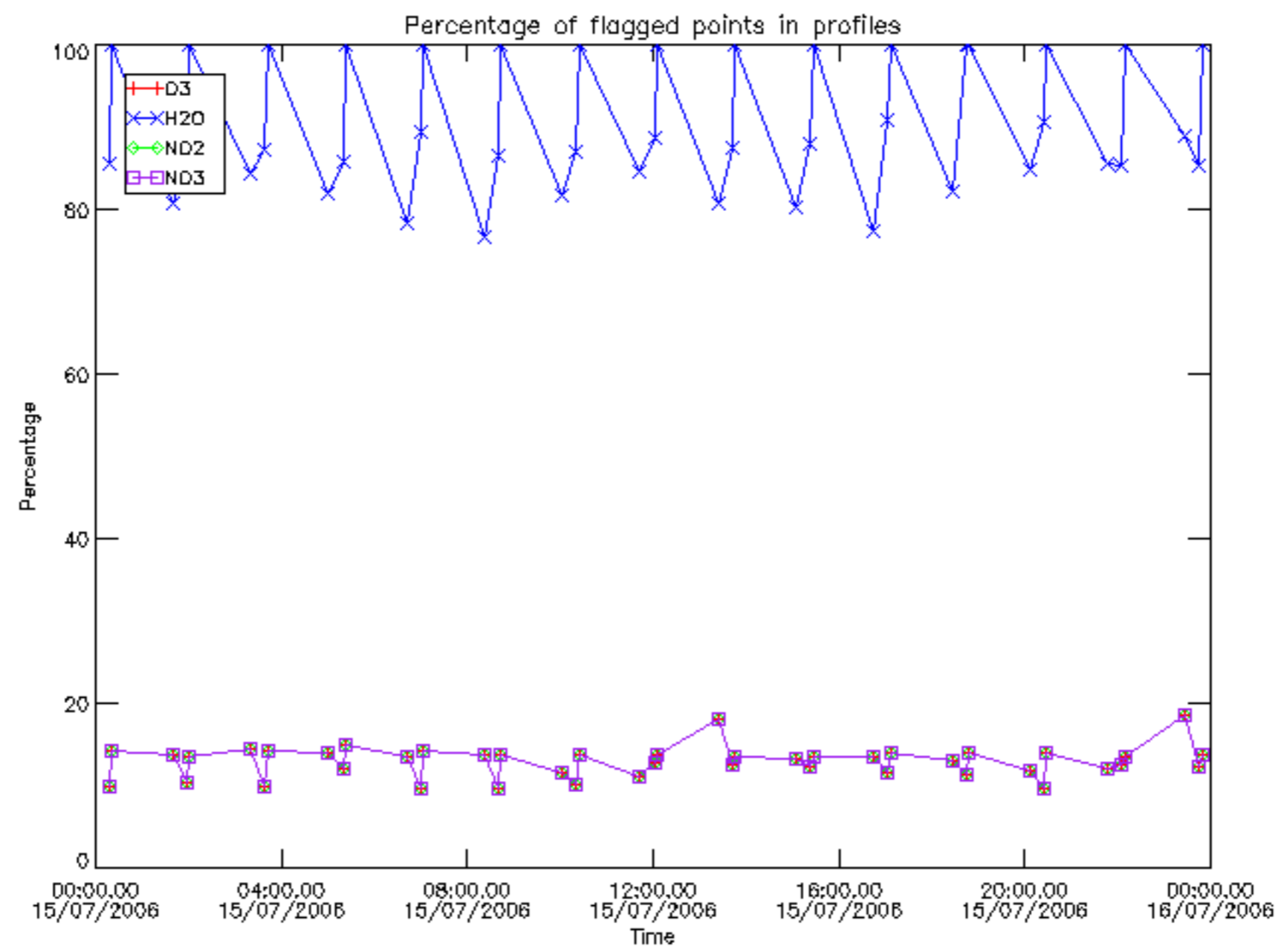




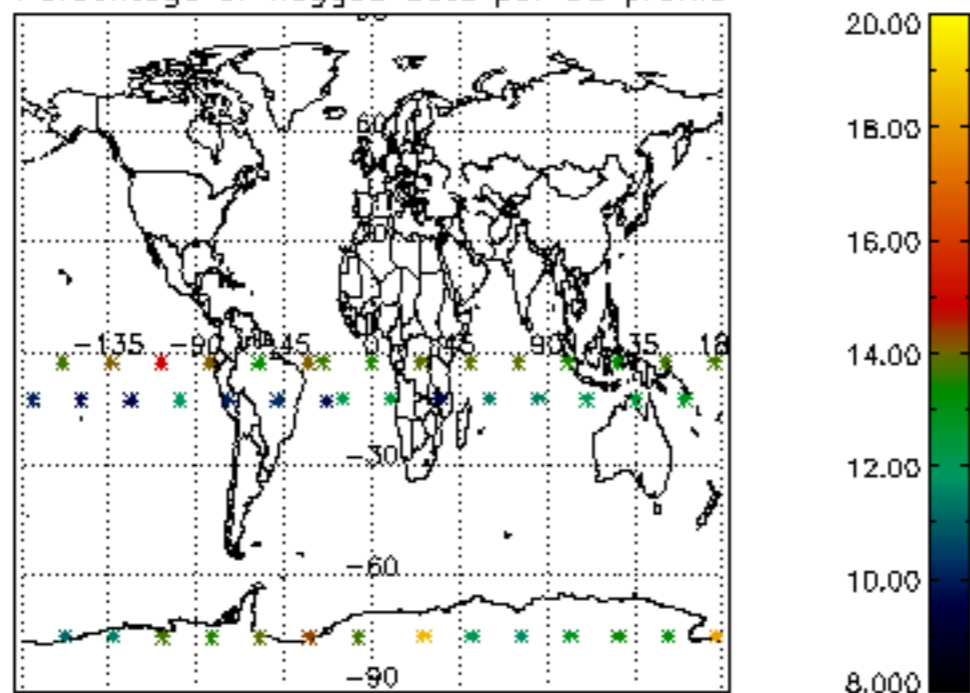




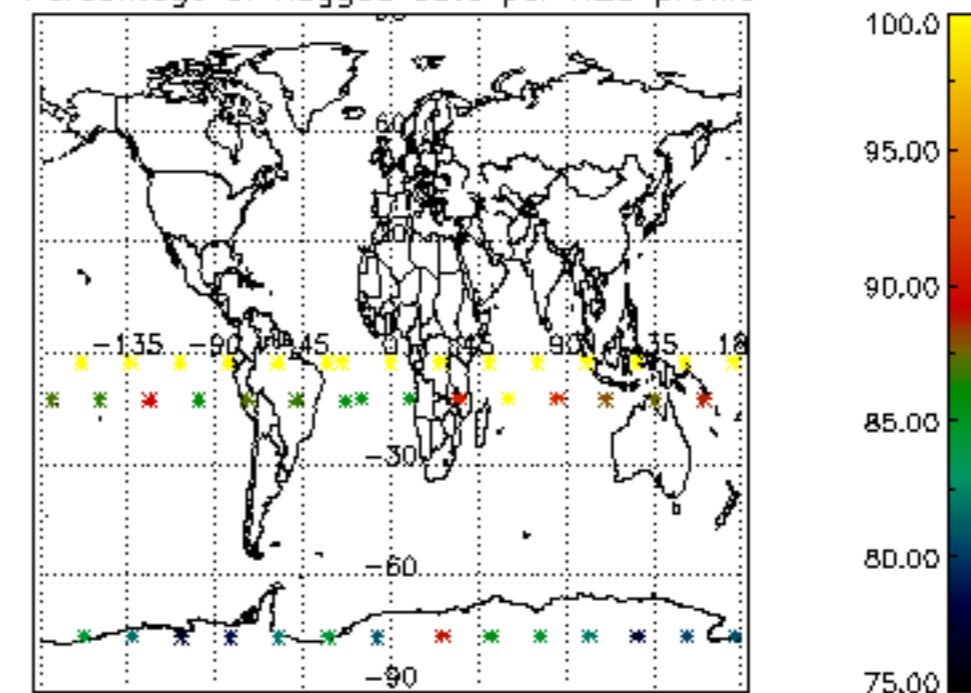




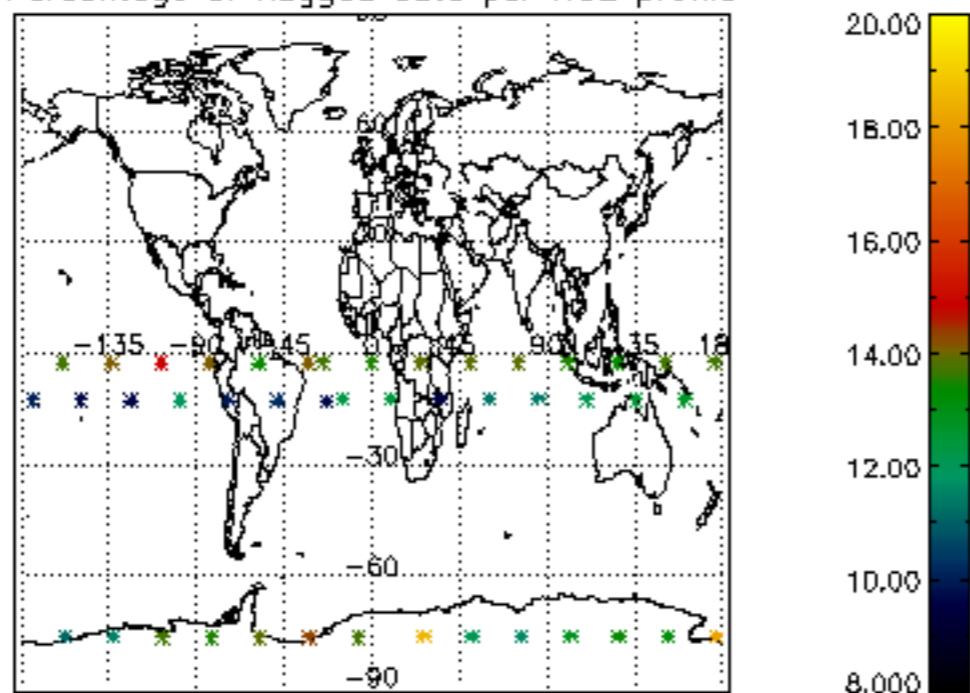
Percentage of flagged data per D3 profile



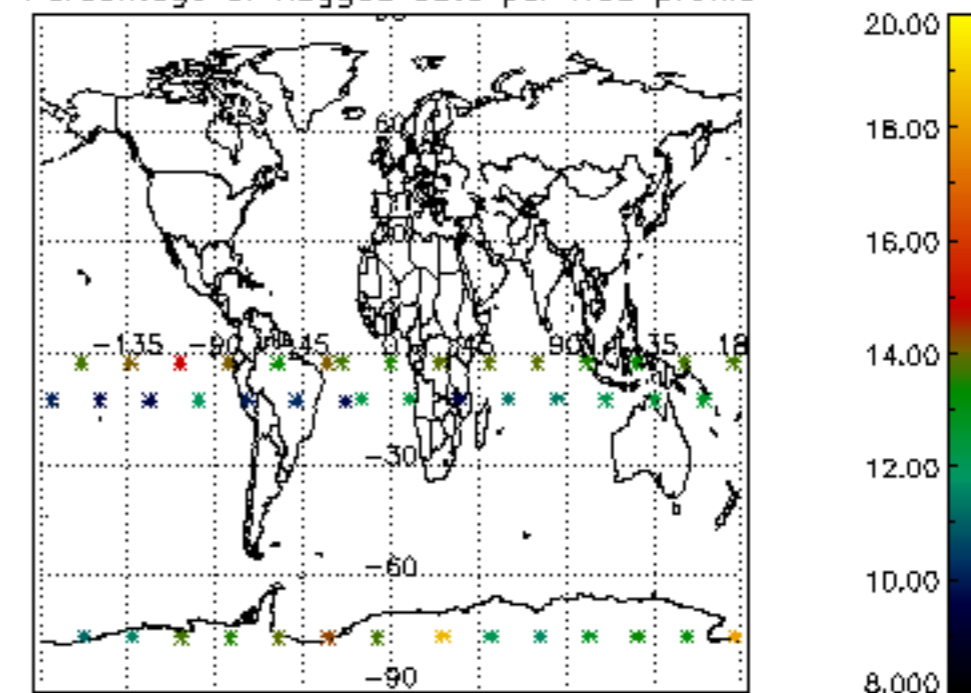
Percentage of flagged data per H2O profile

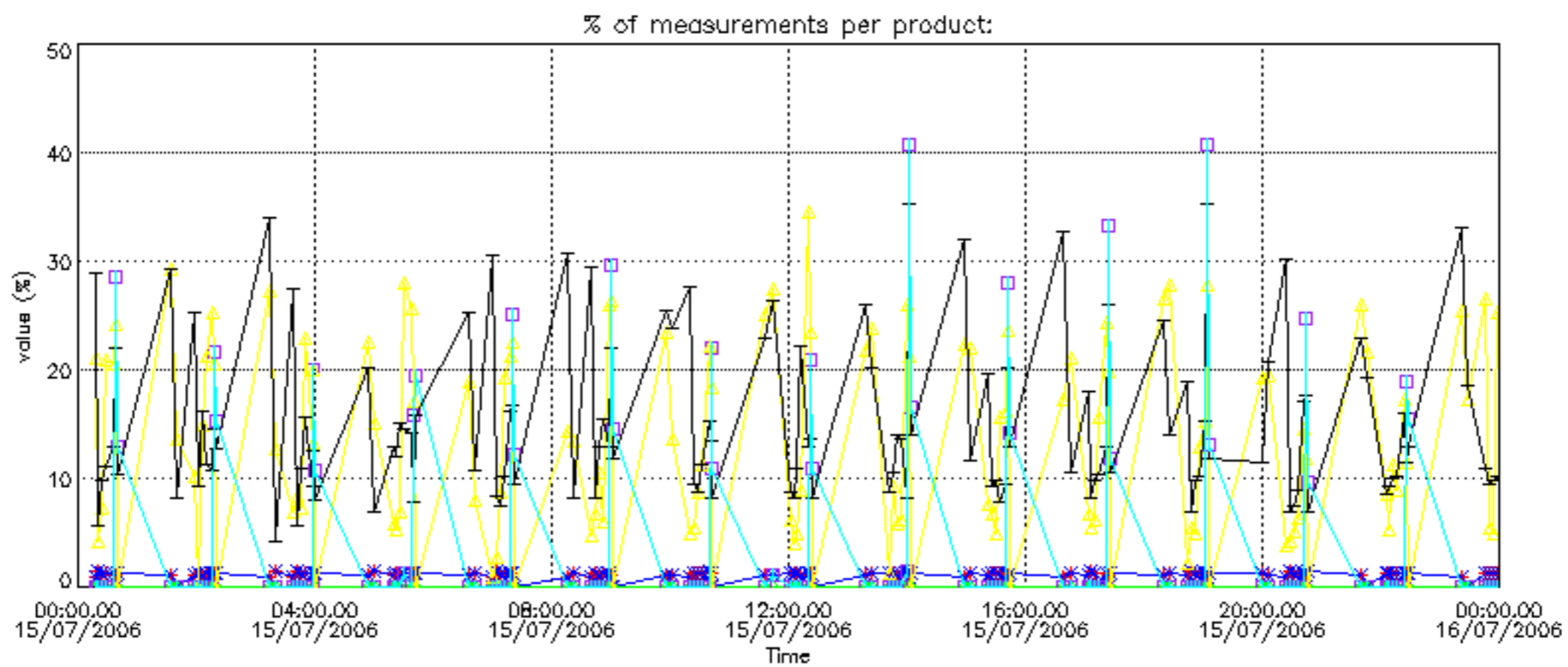


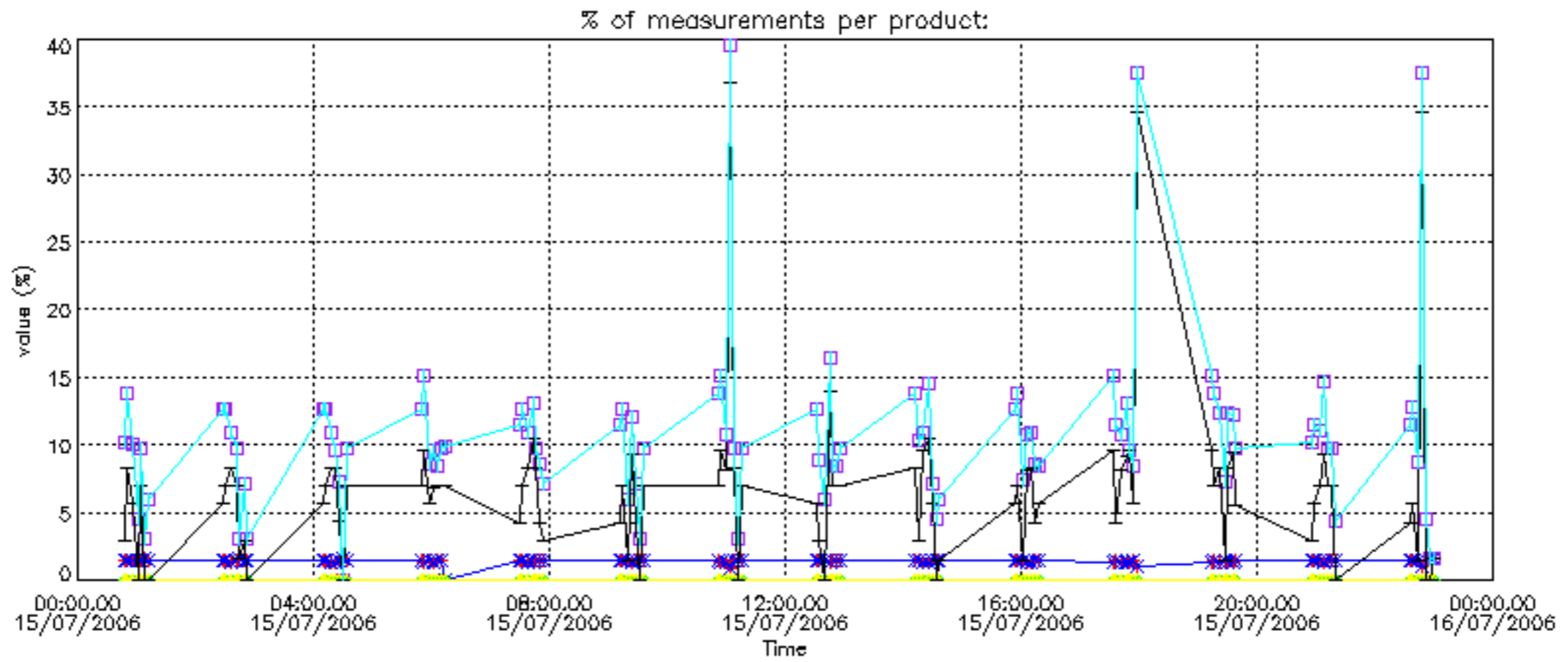
Percentage of flagged data per NO2 profile



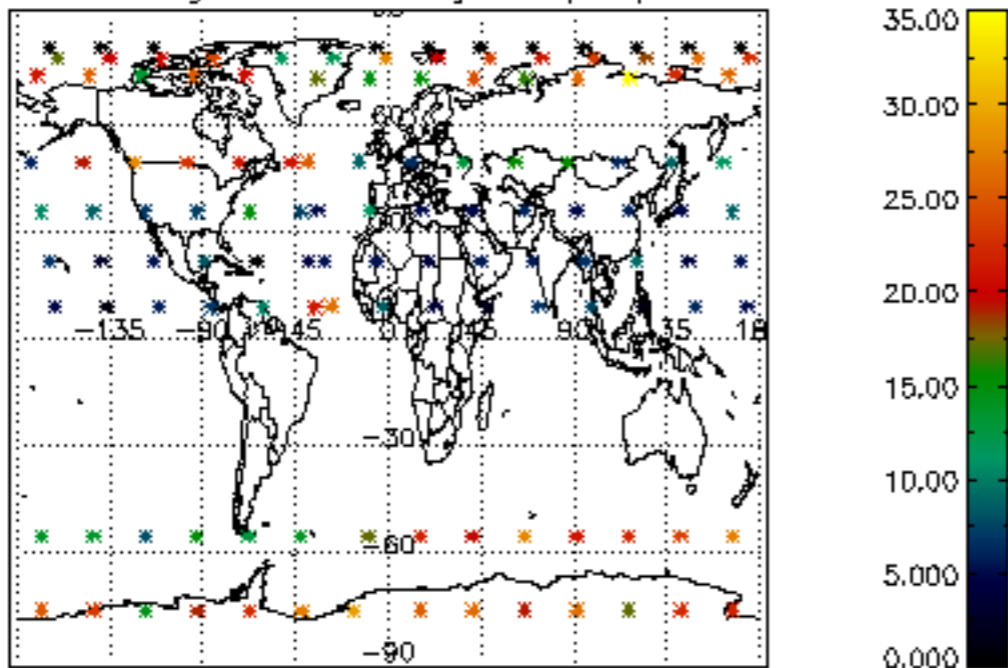
Percentage of flagged data per NO3 profile



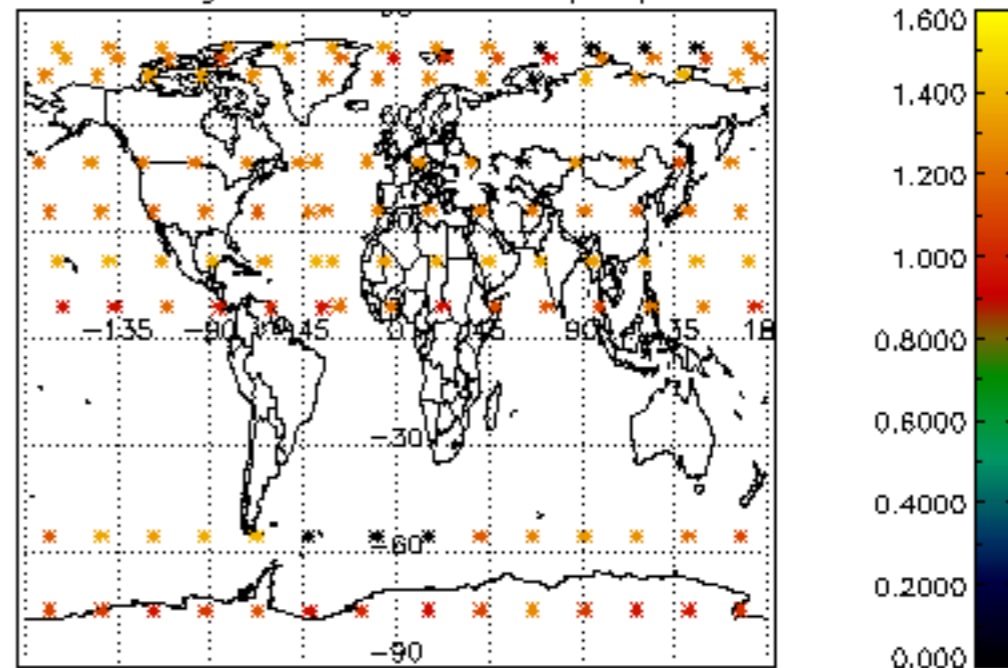




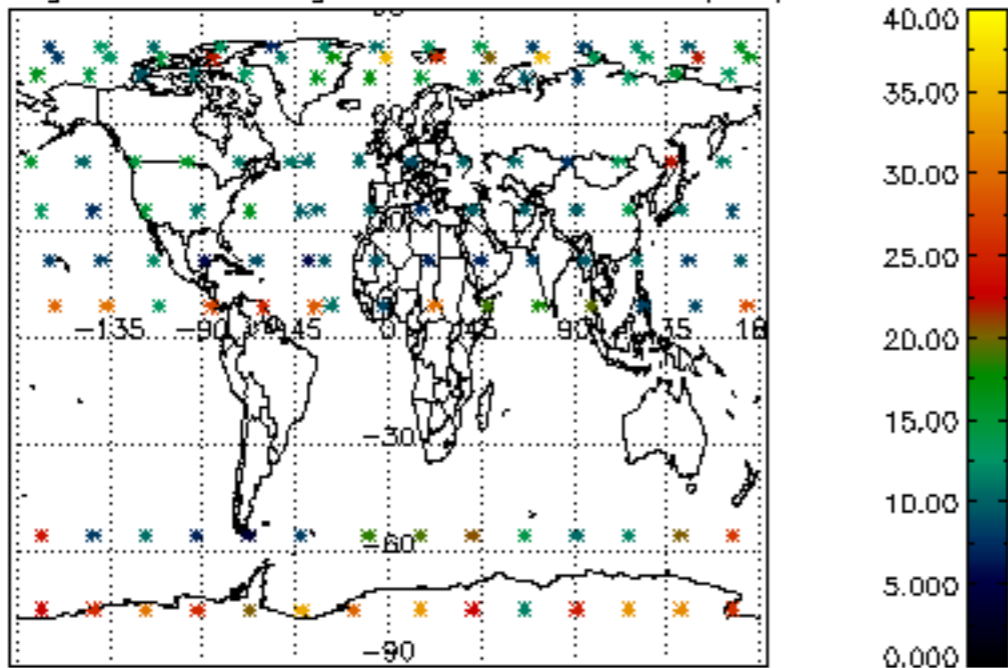
Percentage of cosmic ray hits per profile



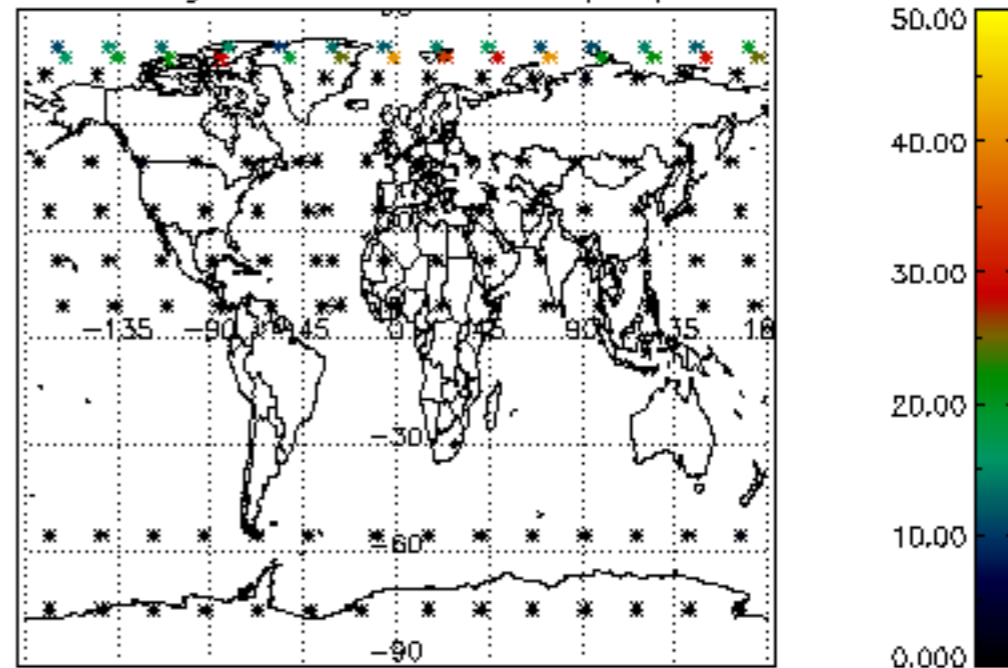
Percentage of datation errors per profile



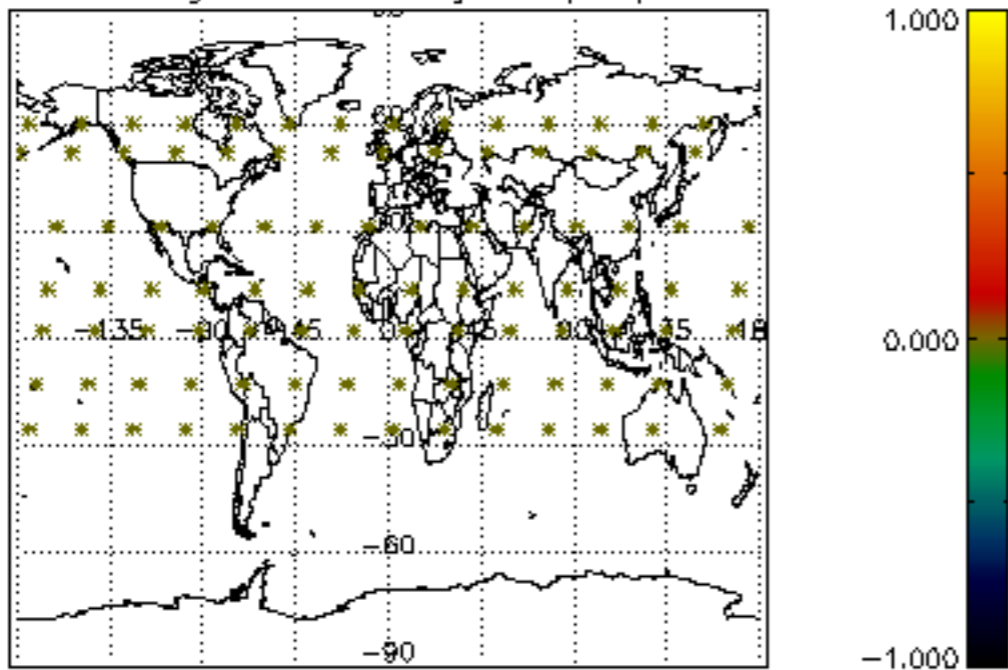
Percentage of star falling outside central band per profile



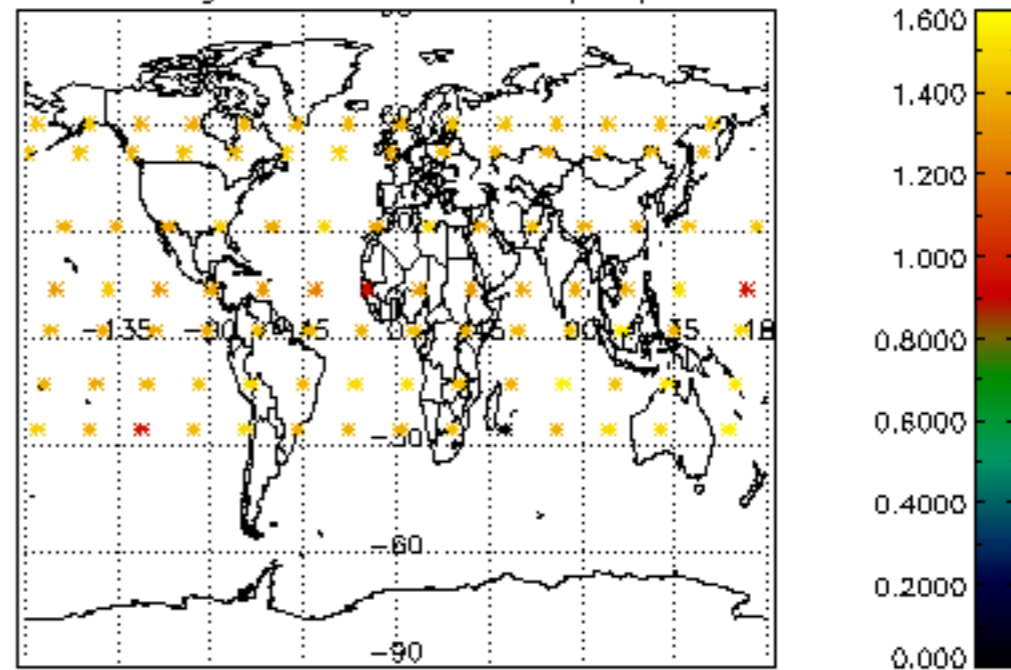
Percentage of saturation errors per profile



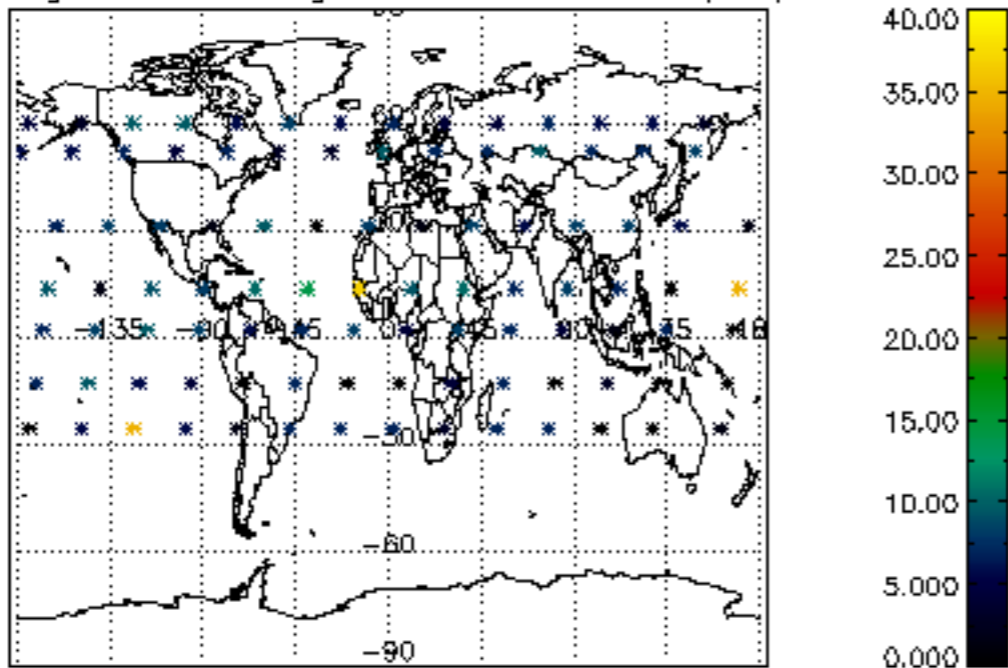
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

