

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	22APR2013 18:52:07
Data source version	GOMOS/6.01
Start time of products	25-04-2007 (25APR2007 00:00:00)
Stop time of products	26-04-2007 (26APR2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	298
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

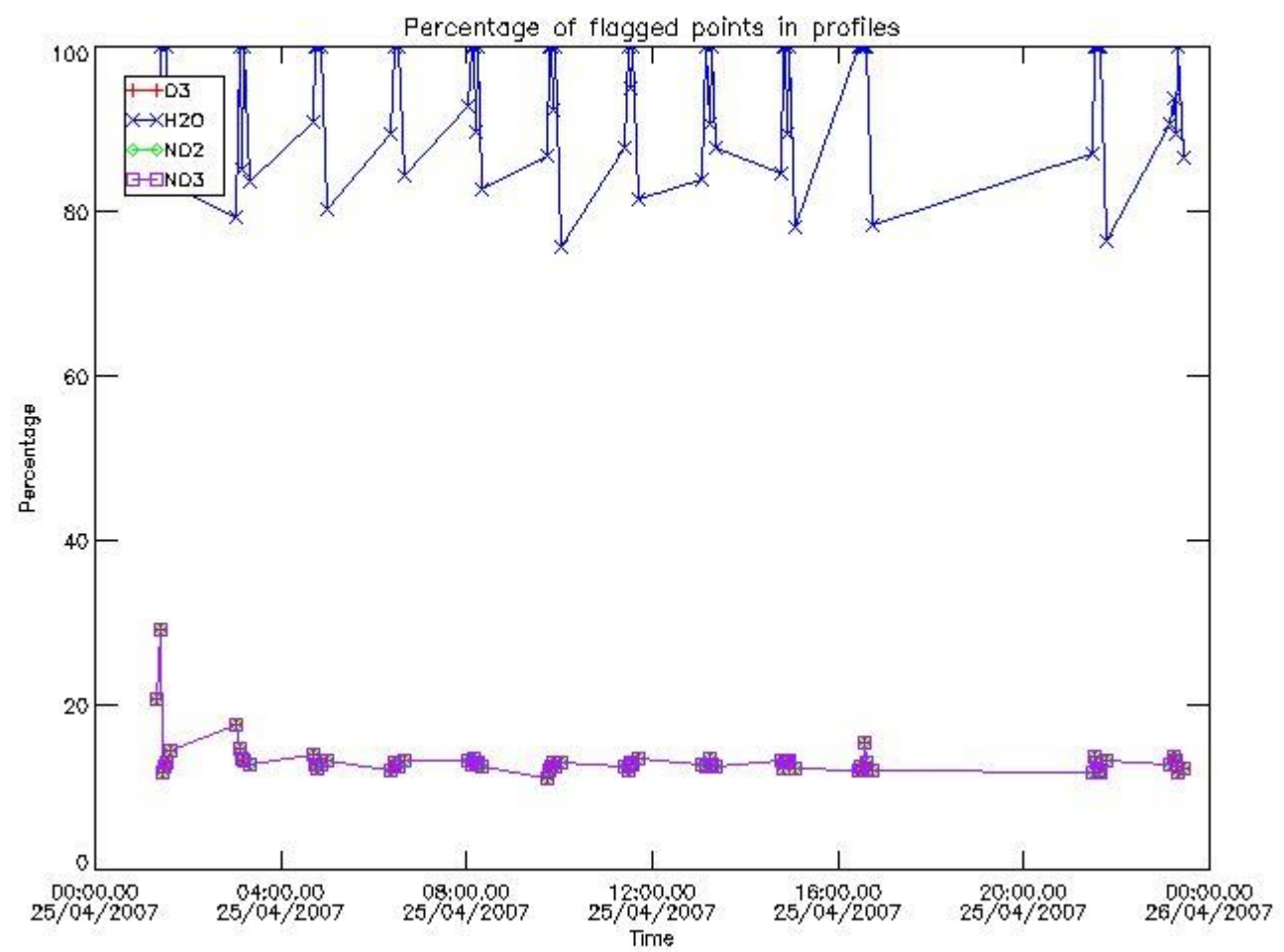
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070425_000000_000000372057_00317_26924_2671.N1	25-APR-2007 00:00:00	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	26924	No
2	GOM_NL__2PRFIN20070425_000213_000000532057_00317_26924_2672.N1	25-APR-2007 00:02:13	Straylight	53.000	4	Alp1Cen	-0.010000	5800.0	106	26924	No
3	GOM_NL__2PRFIN20070425_000533_000000402057_00317_26924_2673.N1	25-APR-2007 00:05:33	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	26924	No
4	GOM_NL__2PRFIN20070425_000707_000000422057_00317_26924_2674.N1	25-APR-2007 00:07:07	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	26924	No
5	GOM_NL__2PRFIN20070425_000918_000000452057_00317_26924_2675.N1	25-APR-2007 00:09:18	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	26924	No
6	GOM_NL__2PRFIN20070425_001344_000000422057_00317_26924_2676.N1	25-APR-2007 00:13:44	Twilight_stray	41.500	169	46Gam Hya	2.9910	4700.0	83	26924	No
7	GOM_NL__2PRFIN20070425_001709_000000392057_00317_26924_2677.N1	25-APR-2007 00:17:09	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26924	No
8	GOM_NL__2PRFIN20070425_002011_000000362057_00317_26924_2678.N1	25-APR-2007 00:20:11	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26924	No
9	GOM_NL__2PRFIN20070425_002340_000000362057_00317_26924_2679.N1	25-APR-2007 00:23:40	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	26924	No
10	GOM_NL__2PRFIN20070425_003132_000000362057_00317_26924_2680.N1	25-APR-2007 00:31:32	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26924	No
11	GOM_NL__2PRFIN20070425_003549_000000332057_00317_26924_2681.N1	25-APR-2007 00:35:49	Bright	32.500	87	64Gam UMa	2.4330	11000.	65	26924	No
12	GOM_NL__2PRFIN20070425_003824_000000372057_00317_26924_2682.N1	25-APR-2007 00:38:24	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26924	No
13	GOM_NL__2PRFIN20070425_004247_000000362057_00317_26924_2683.N1	25-APR-2007 00:42:47	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	26924	No
14	GOM_NL__2PRFIN20070425_004611_000000352057_00317_26924_2684.N1	25-APR-2007 00:46:11	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26924	No
15	GOM_NL__2PRFIN20070425_005349_000000322057_00317_26924_2685.N1	25-APR-2007 00:53:49	Bright	32.000	110	37Del Cas	2.6780	8900.0	64	26924	No
16	GOM_NL__2PRFIN20070425_005516_000000322057_00317_26924_2686.N1	25-APR-2007 00:55:16	Bright	32.000	68	18Alp Cas	2.2250	4500.0	64	26924	No
17	GOM_NL__2PRFIN20070425_010408_000000412057_00317_26924_2687.N1	25-APR-2007 01:04:08	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26924	No
18	GOM_NL__2PRFIN20070425_010755_000000422057_00317_26924_2688.N1	25-APR-2007 01:07:55	Twilight_stray	41.500	90	54Alp Peg	2.4870	11000.	83	26924	No
19	GOM_NL__2PRFIN20070425_012029_000000442057_00317_26924_2689.N1	25-APR-2007 01:20:29	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	26924	No
20	GOM_NL__2PRFIN20070425_012422_000000402057_00317_26924_2690.N1	25-APR-2007 01:24:22	Dark	40.000	172	Gam Gru	3.0030	13100.	80	26924	No
21	GOM_NL__2PRFIN20070425_012609_000000472057_00317_26924_2691.N1	25-APR-2007 01:26:09	Dark	47.000	31	Alp Gru	1.7340	15200.	94	26924	No
22	GOM_NL__2PRFIN20070425_012903_000000412057_00317_26924_2692.N1	25-APR-2007 01:29:03	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	26924	No
23	GOM_NL__2PRFIN20070425_013127_000000392057_00318_26925_2860.N1	25-APR-2007 01:31:27	Dark	39.000	45	Alp Pav	1.9400	26000.	78	26925	No
24	GOM_NL__2PRFIN20070425_013826_000000392057_00318_26925_2861.N1	25-APR-2007 01:38:26	Dark	39.000	43	Alp TrA	1.9100	4250.0	78	26925	No
25	GOM_NL__2PRFIN20070425_014037_000000392057_00318_26925_2862.N1	25-APR-2007 01:40:37	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26925	No
26	GOM_NL__2PRFIN20070425_014249_000000442057_00318_26925_2863.N1	25-APR-2007 01:42:49	Straylight	44.000	4	Alp1Cen	-0.010000	5800.0	88	26925	No
27	GOM_NL__2PRFIN20070425_014609_000000432057_00318_26925_2864.N1	25-APR-2007 01:46:09	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	26925	No
28	GOM_NL__2PRFIN20070425_014743_000000402057_00318_26925_2865.N1	25-APR-2007 01:47:43	Straylight	39.500	81	Eta Cen	2.3560	28000.	79	26925	No
29	GOM_NL__2PRFIN20070425_014954_000000442057_00318_26925_2866.N1	25-APR-2007 01:49:54	Straylight	44.000	54	5The Cen	2.0550	4500.0	88	26925	No
30	GOM_NL__2PRFIN20070425_015420_000000412057_00318_26925_2867.N1	25-APR-2007 01:54:20	Twilight_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	26925	No
31	GOM_NL__2PRFIN20070425_015745_000000412057_00318_26925_2868.N1	25-APR-2007 01:57:45	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	26925	No
32	GOM_NL__2PRFIN20070425_020047_000000362057_00318_26925_2869.N1	25-APR-2007 02:00:47	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26925	No
33	GOM_NL__2PRFIN20070425_020416_000000362057_00318_26925_2870.N1	25-APR-2007 02:04:16	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26925	No
34	GOM_NL__2PRFIN20070425_021208_000000362057_00318_26925_2871.N1	25-APR-2007 02:12:08	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26925	No
35	GOM_NL__2PRFIN20070425_021625_000000362057_00318_26925_2872.N1	25-APR-2007 02:16:25	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	26925	No
36	GOM_NL__2PRFIN20070425_021900_000000352057_00318_26925_2873.N1	25-APR-2007 02:19:00	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	26925	No
37	GOM_NL__2PRFIN20070425_022322_000000392057_00318_26925_2874.N1	25-APR-2007 02:23:22	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26925	No
38	GOM_NL__2PRFIN20070425_022647_000000322057_00318_26925_2875.N1	25-APR-2007 02:26:47	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	26925	No
39	GOM_NL__2PRFIN20070425_023425_000000342057_00318_26925_2876.N1	25-APR-2007 02:34:25	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26925	No
40	GOM_NL__2PRFIN20070425_023552_000000522057_00318_26925_2877.N1	25-APR-2007 02:35:52	Bright	52.000	68	18Alp Cas	2.2250	4500.0	104	26925	No
41	GOM_NL__2PRFIN20070425_024444_000000412057_00318_26925_2878.N1	25-APR-2007 02:44:44	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	26925	No
42	GOM_NL__2PRFIN20070425_024831_000000432057_00318_26925_2879.N1	25-APR-2007 02:48:31	Twilight_stray	42.500	90	54Alp Peg	2.4870	11000.	85	26925	No

279	GOM_NL__2PRFIN20070425_223358_000000362057_00330_26937_3096.N1	25-APR-2007 22:33:58	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26937	No
280	GOM_NL__2PRFIN20070425_224138_000000342057_00330_26937_3097.N1	25-APR-2007 22:41:38	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26937	No
281	GOM_NL__2PRFIN20070425_224305_000000332057_00330_26937_3098.N1	25-APR-2007 22:43:05	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	26937	No
282	GOM_NL__2PRFIN20070425_225157_000000412057_00330_26937_3099.N1	25-APR-2007 22:51:57	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26937	No
283	GOM_NL__2PRFIN20070425_225545_000000412057_00330_26937_3100.N1	25-APR-2007 22:55:45	Twilight	41.000	90	54Alp Peg	2.4870	11000.	82	26937	No
284	GOM_NL__2PRFIN20070425_230822_000000442057_00330_26937_3101.N1	25-APR-2007 23:08:22	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	26937	No
285	GOM_NL__2PRFIN20070425_231402_000000412057_00330_26937_3102.N1	25-APR-2007 23:14:02	Dark	40.500	31	Alp Gru	1.7340	15200.	81	26937	No
286	GOM_NL__2PRFIN20070425_231654_000000392057_00330_26937_3103.N1	25-APR-2007 23:16:54	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	26937	No
287	GOM_NL__2PRFIN20070425_231922_000000432057_00331_26938_3100.N1	25-APR-2007 23:19:22	Dark	43.000	45	Alp Pav	1.9400	26000.	86	26938	No
288	GOM_NL__2PRFIN20070425_232618_000000422057_00331_26938_3101.N1	25-APR-2007 23:26:18	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	26938	No
289	GOM_NL__2PRFIN20070425_232829_000000392057_00331_26938_3102.N1	25-APR-2007 23:28:29	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	26938	No
290	GOM_NL__2PRFIN20070425_233040_000000462057_00331_26938_3103.N1	25-APR-2007 23:30:40	Straylight	46.000	4	Alp1Cen	-0.010000	5800.0	92	26938	No
291	GOM_NL__2PRFIN20070425_233401_000000402057_00331_26938_3104.N1	25-APR-2007 23:34:01	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	26938	No
292	GOM_NL__2PRFIN20070425_233535_000000412057_00331_26938_3105.N1	25-APR-2007 23:35:35	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	26938	No
293	GOM_NL__2PRFIN20070425_233745_000000432057_00331_26938_3106.N1	25-APR-2007 23:37:45	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	26938	No
294	GOM_NL__2PRFIN20070425_234209_000000402057_00331_26938_3107.N1	25-APR-2007 23:42:09	Twilight	39.500	169	46Gam Hya	2.9910	4700.0	79	26938	No
295	GOM_NL__2PRFIN20070425_234533_000000392057_00331_26938_3108.N1	25-APR-2007 23:45:33	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26938	No
296	GOM_NL__2PRFIN20070425_234836_000000362057_00331_26938_3109.N1	25-APR-2007 23:48:36	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26938	No
297	GOM_NL__2PRFIN20070425_235203_000000362057_00331_26938_3110.N1	25-APR-2007 23:52:03	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26938	No
298	GOM_NL__2PRFIN20070425_235954_000000432057_00331_26938_3111.N1	25-APR-2007 23:59:54	Bright	43.000	152	12Alp2CVn	2.8900	11000.	86	26938	No

3. Quality information per product

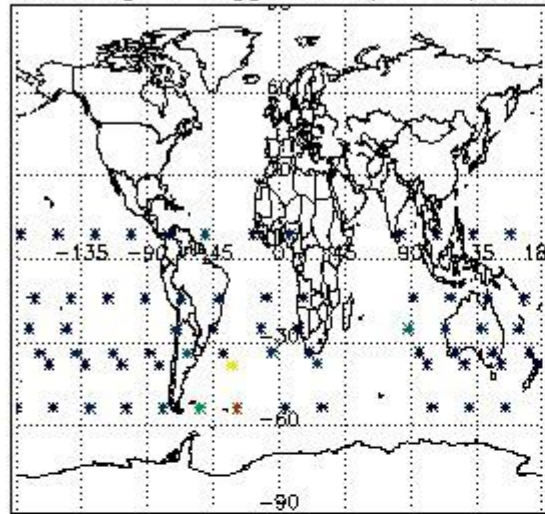
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

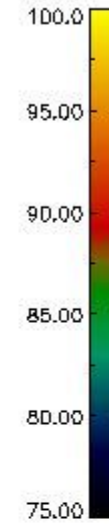
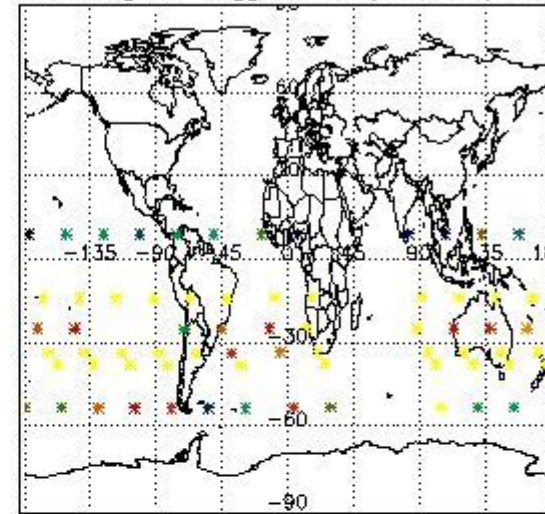


3.2 Plot quality information per product (world map)

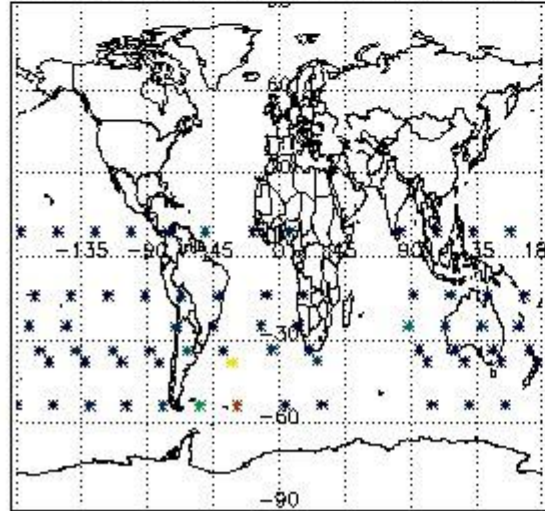
Percentage of flagged data per O3 profile



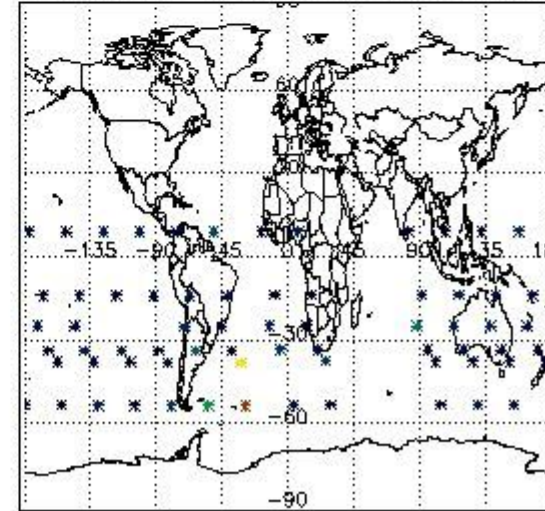
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

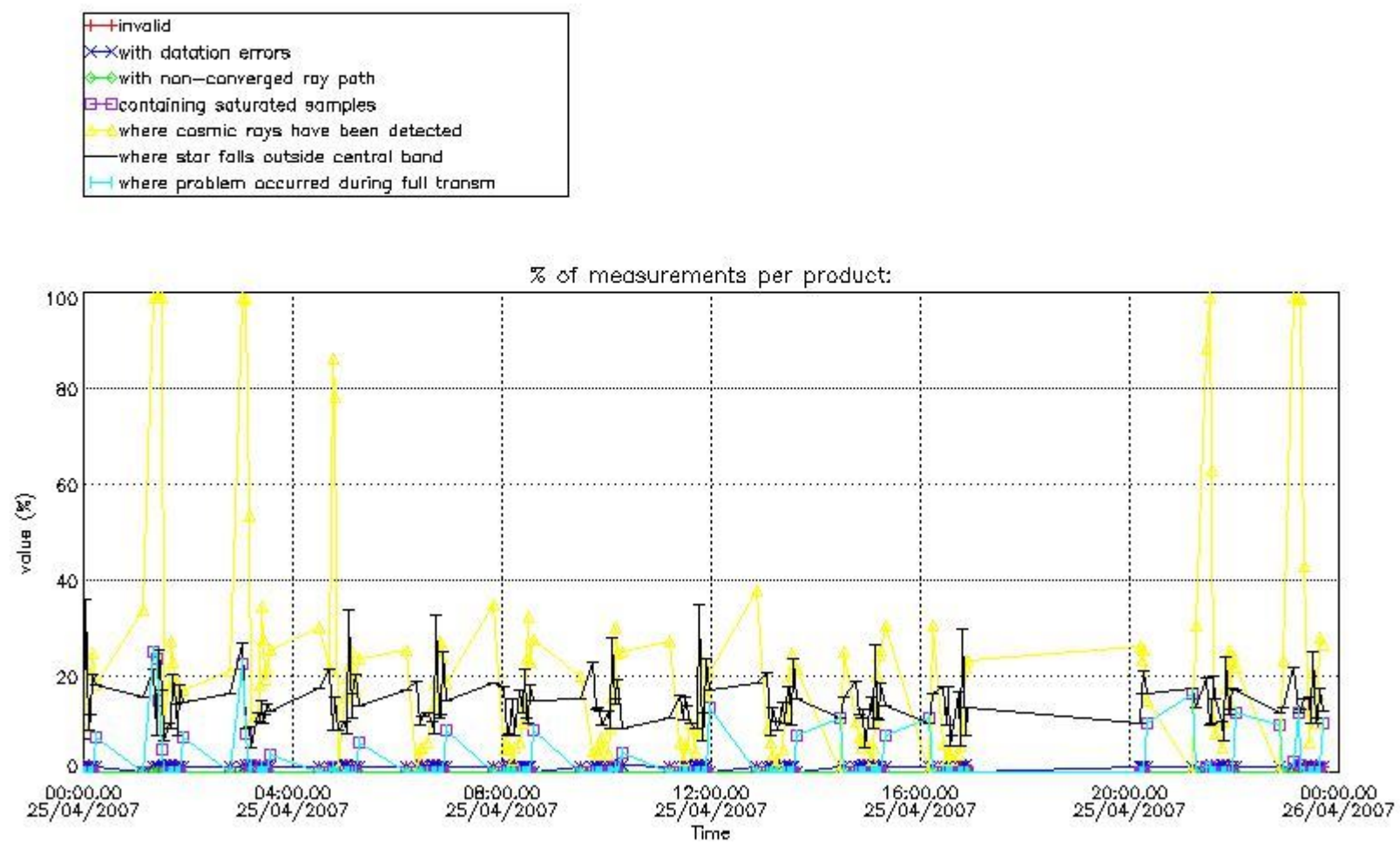


4. Level 1 quality information per product

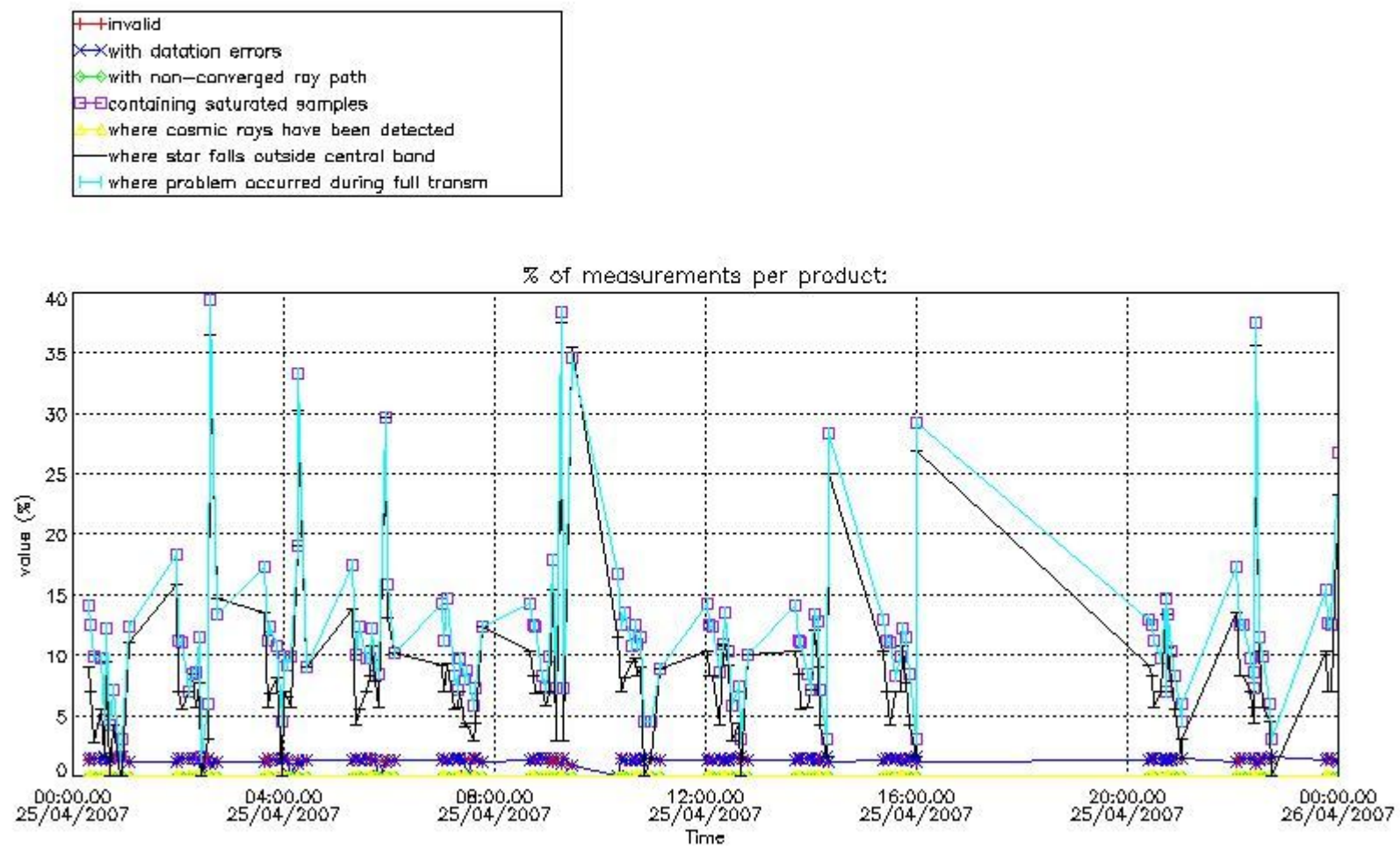
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



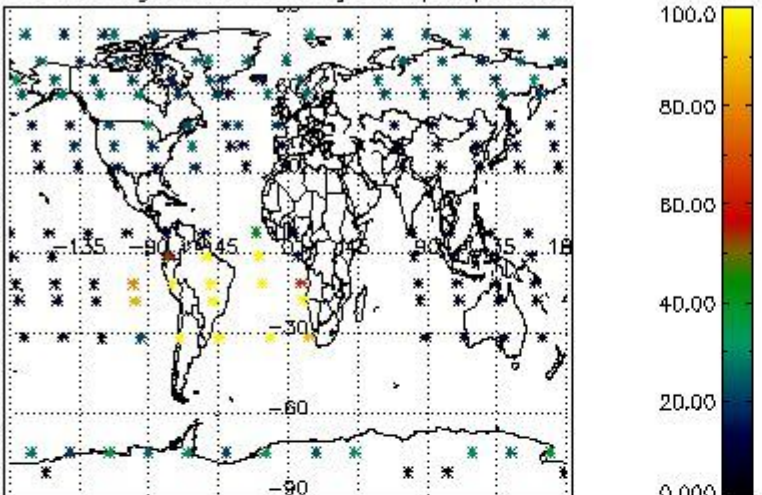
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



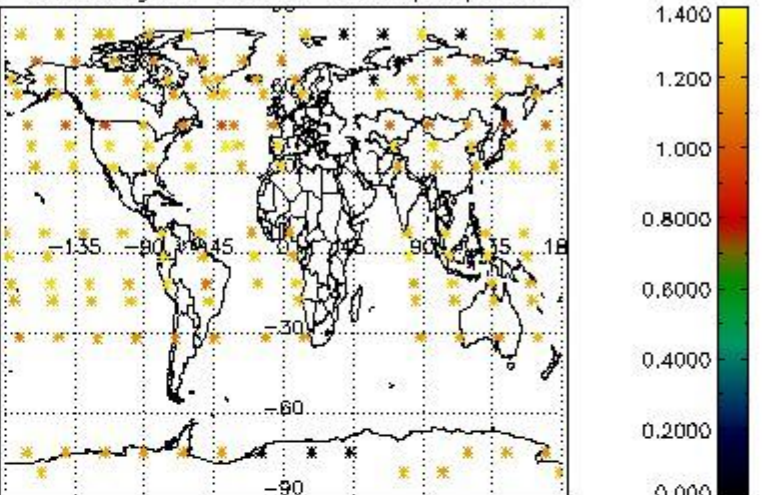
4.2 Plot quality information per product coming from level 1b processing (world map)

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

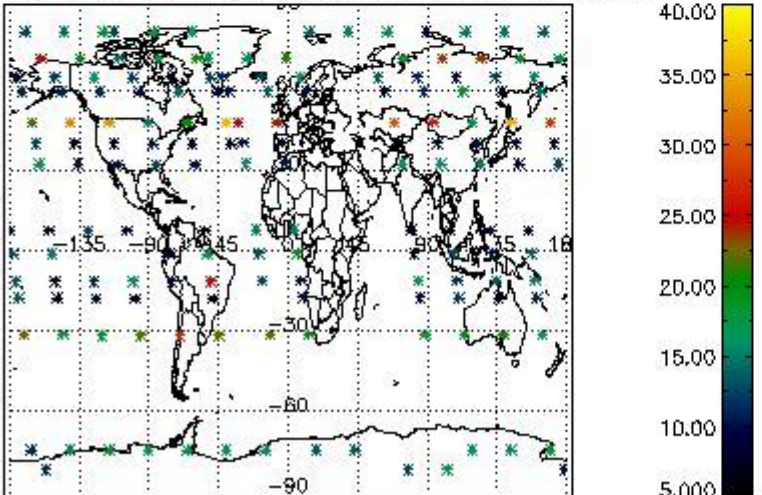
Percentage of cosmic ray hits per profile



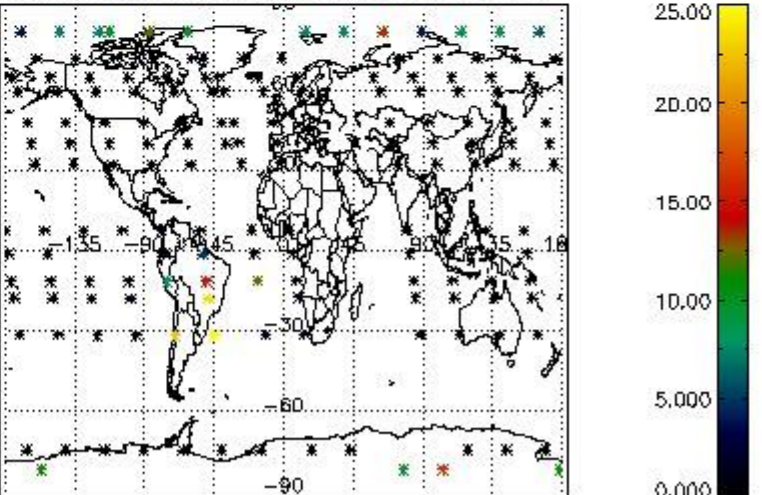
Percentage of datation errors per profile



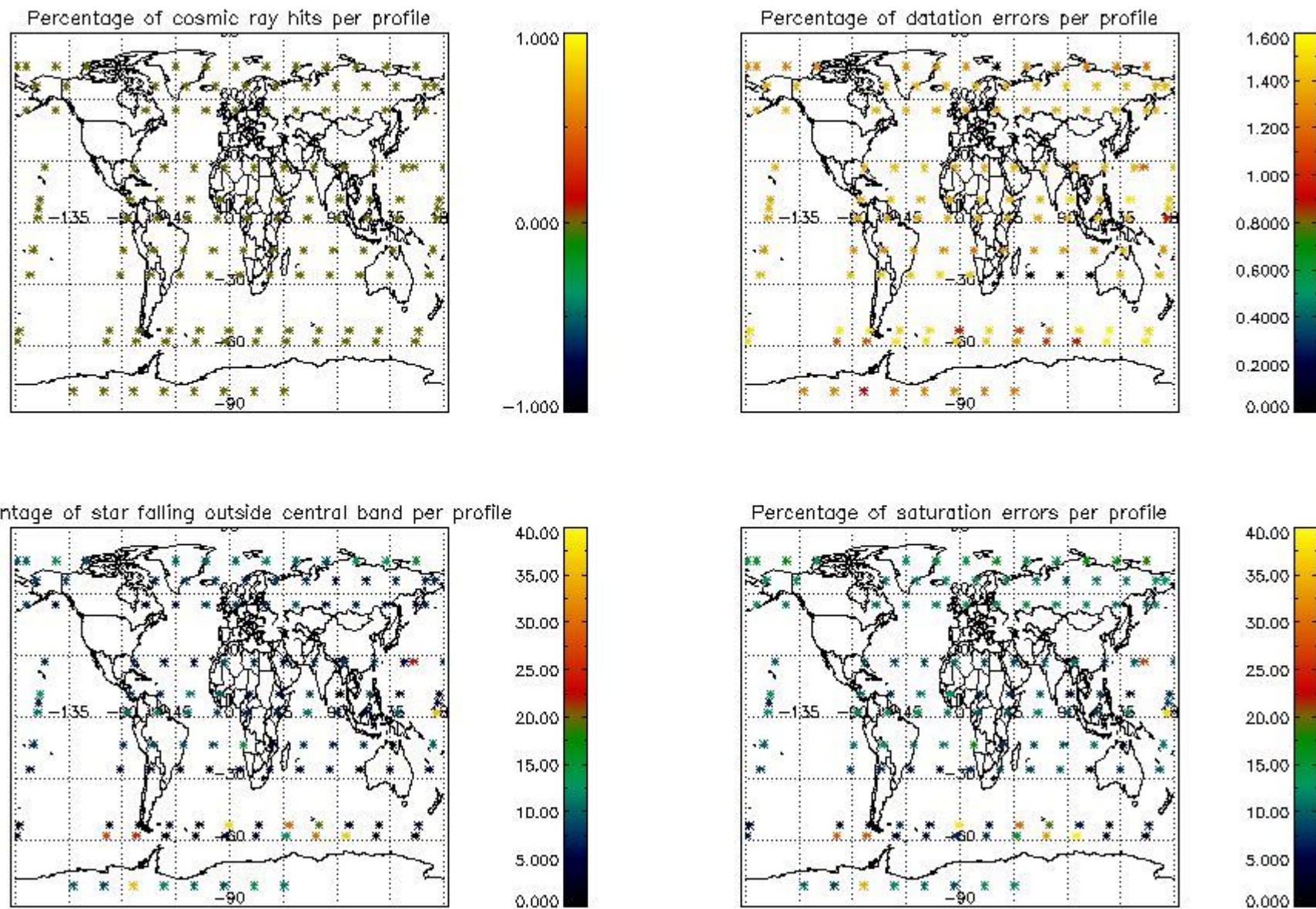
Percentage of star falling outside central band per profile



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

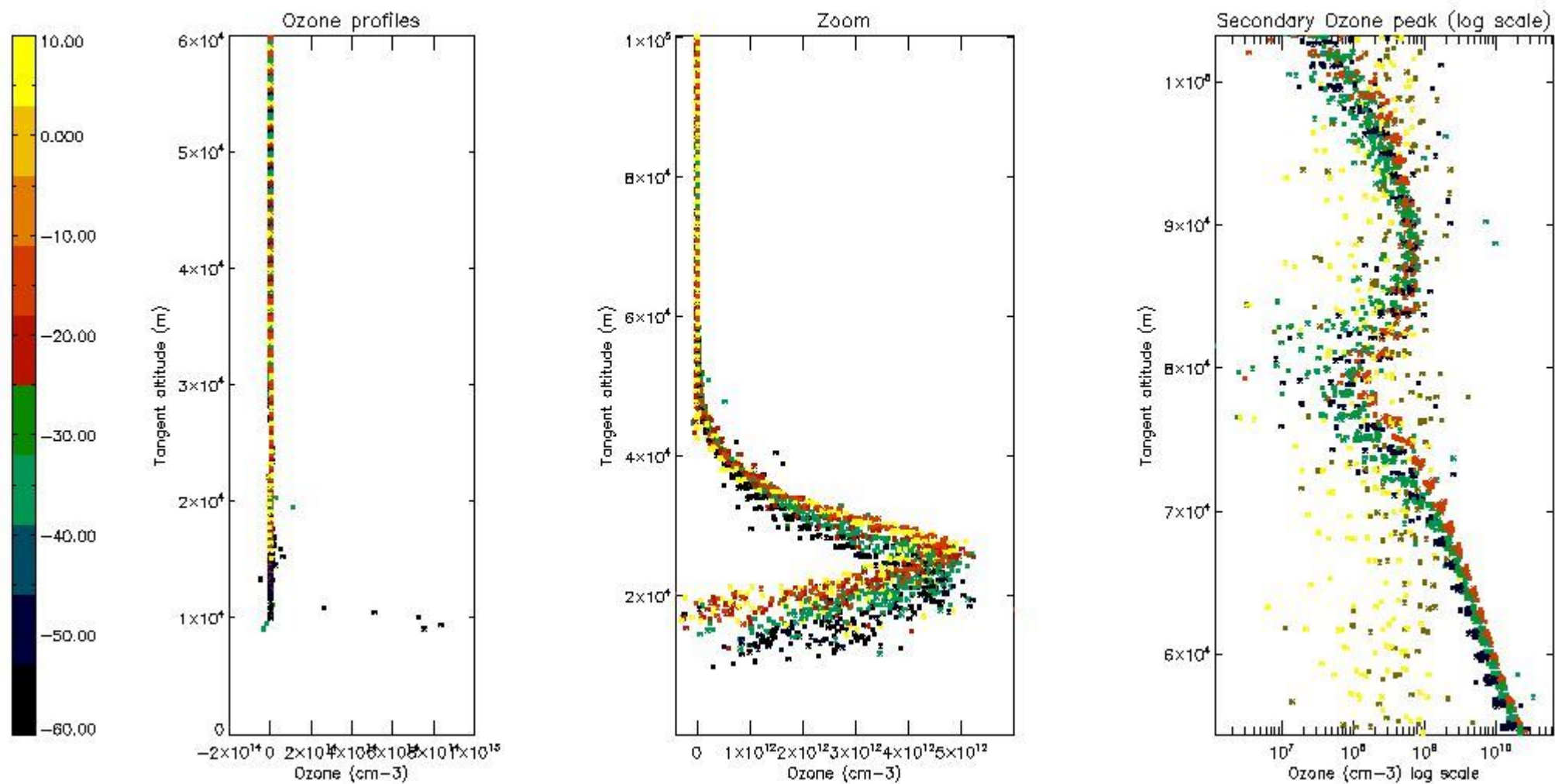
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	12

STD < 10	10
STD < 5	6

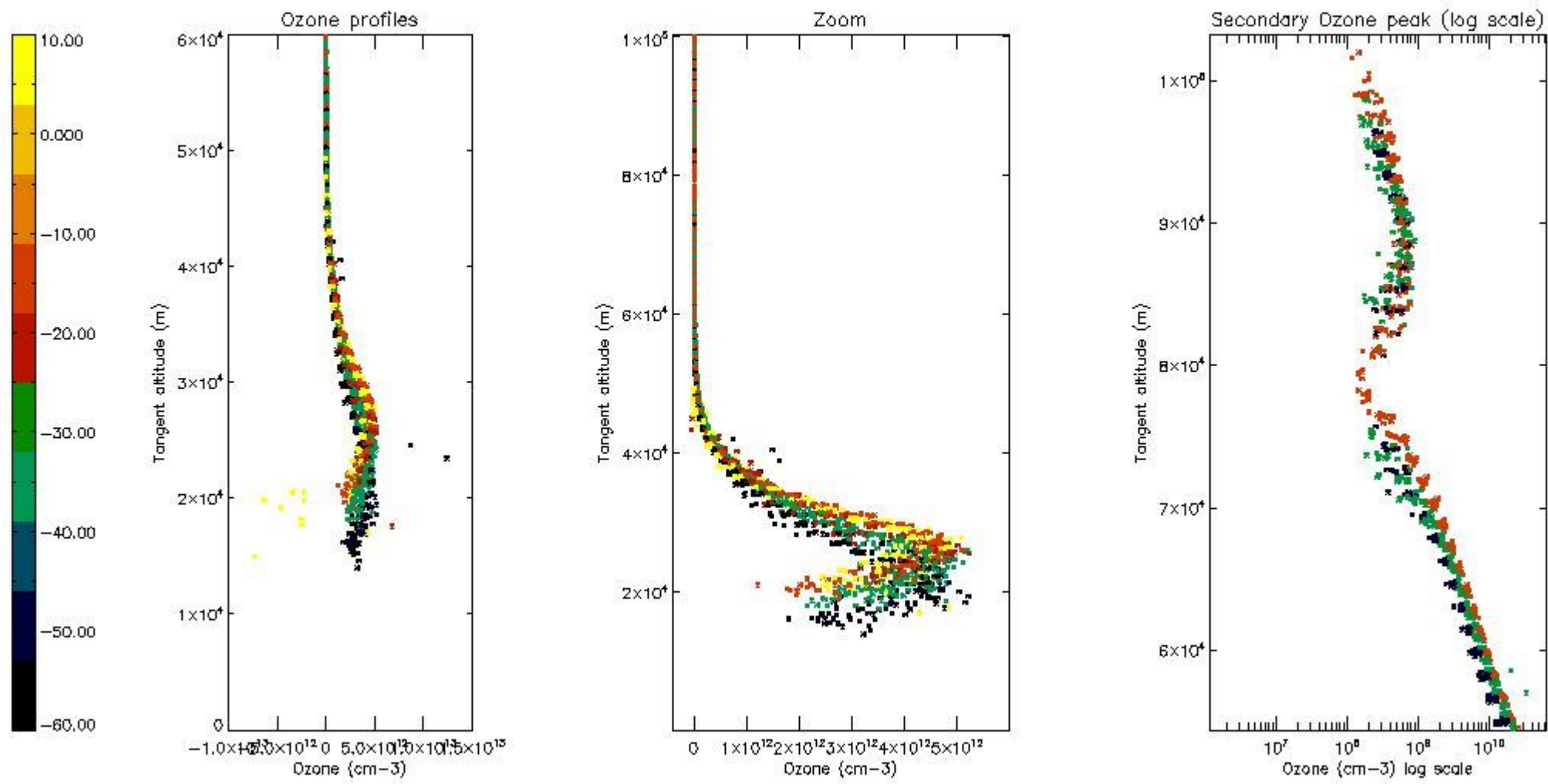
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



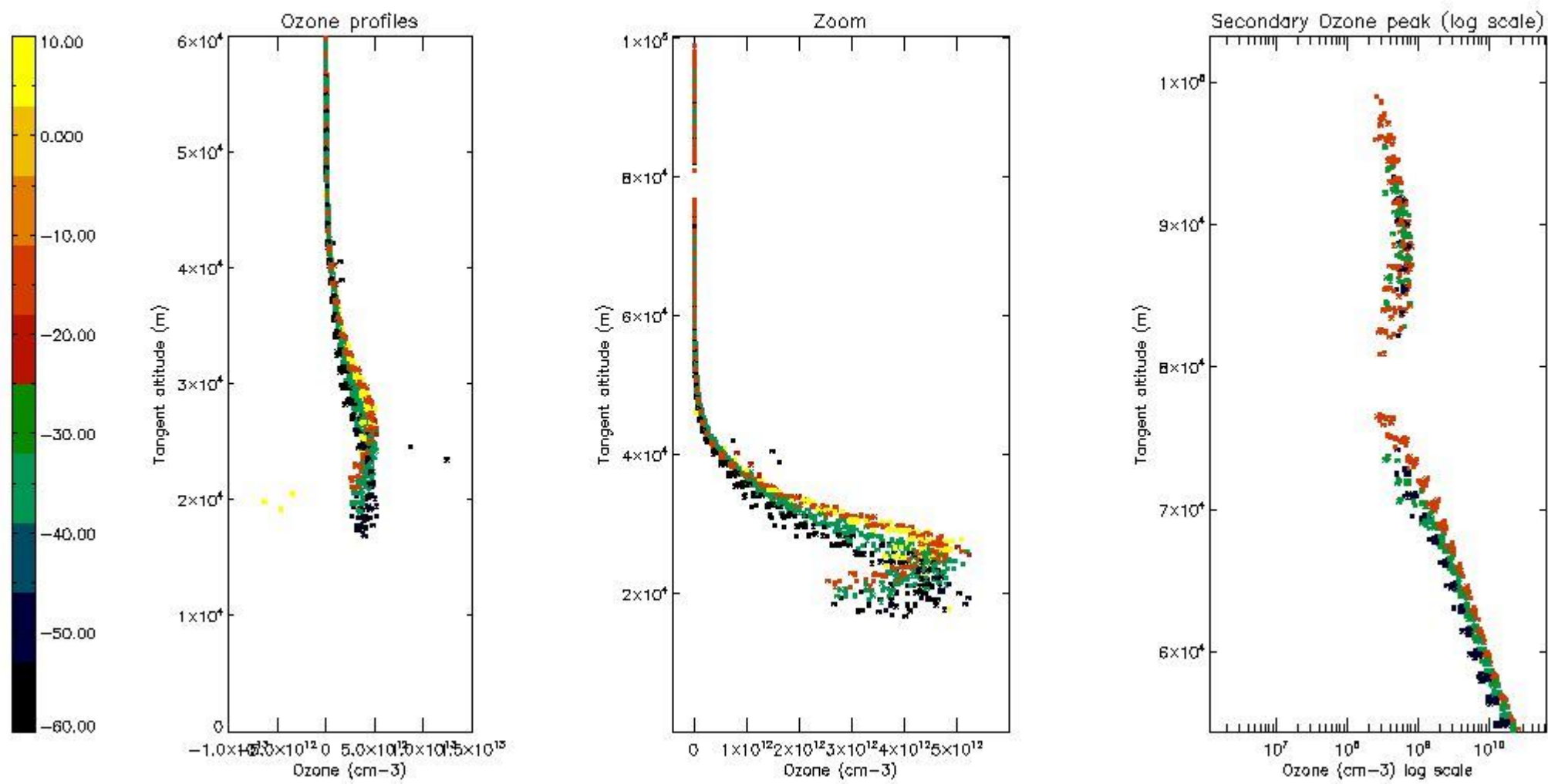
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



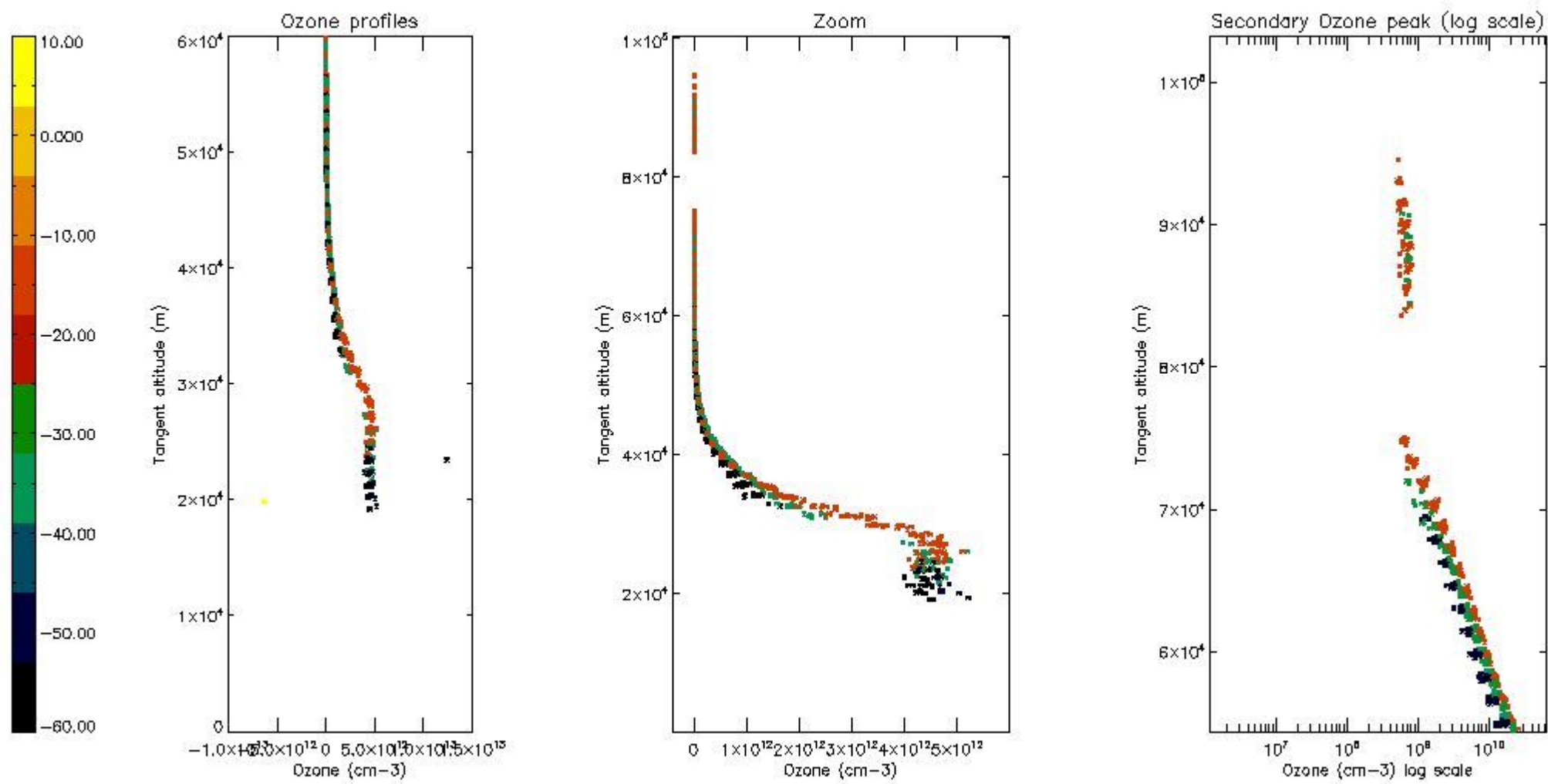
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



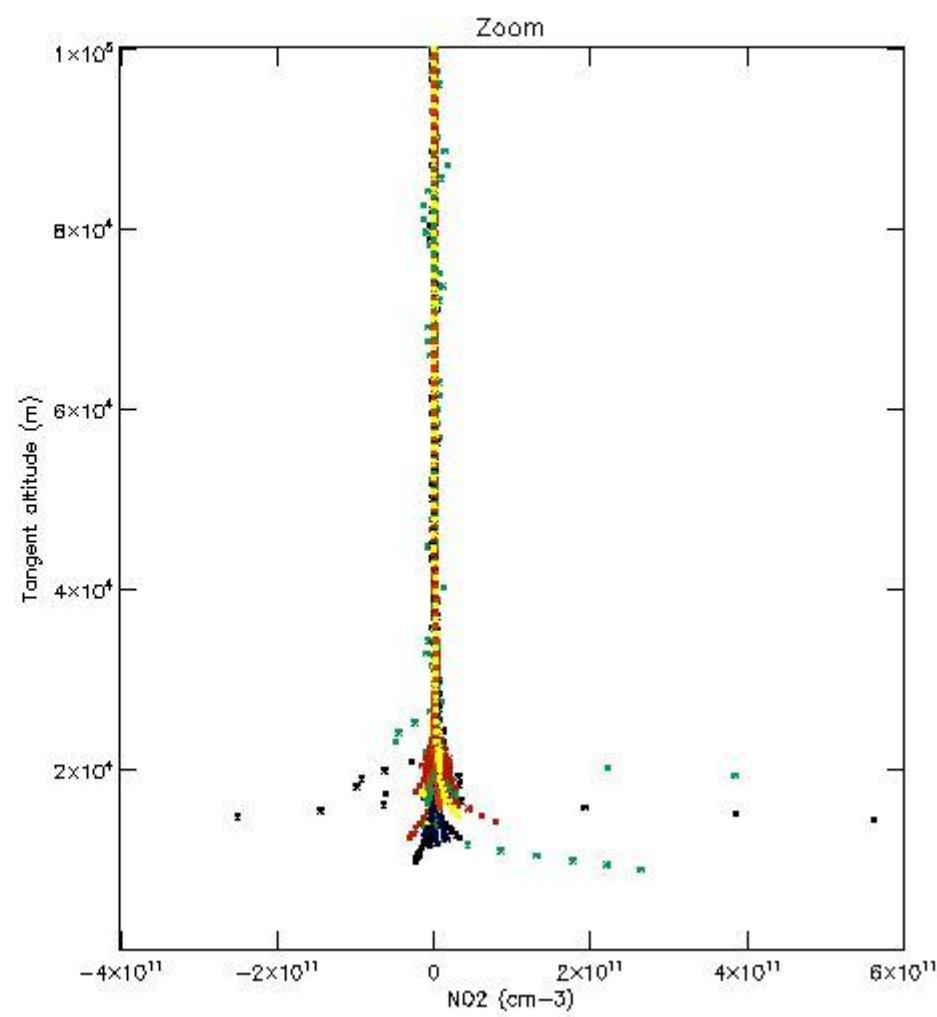
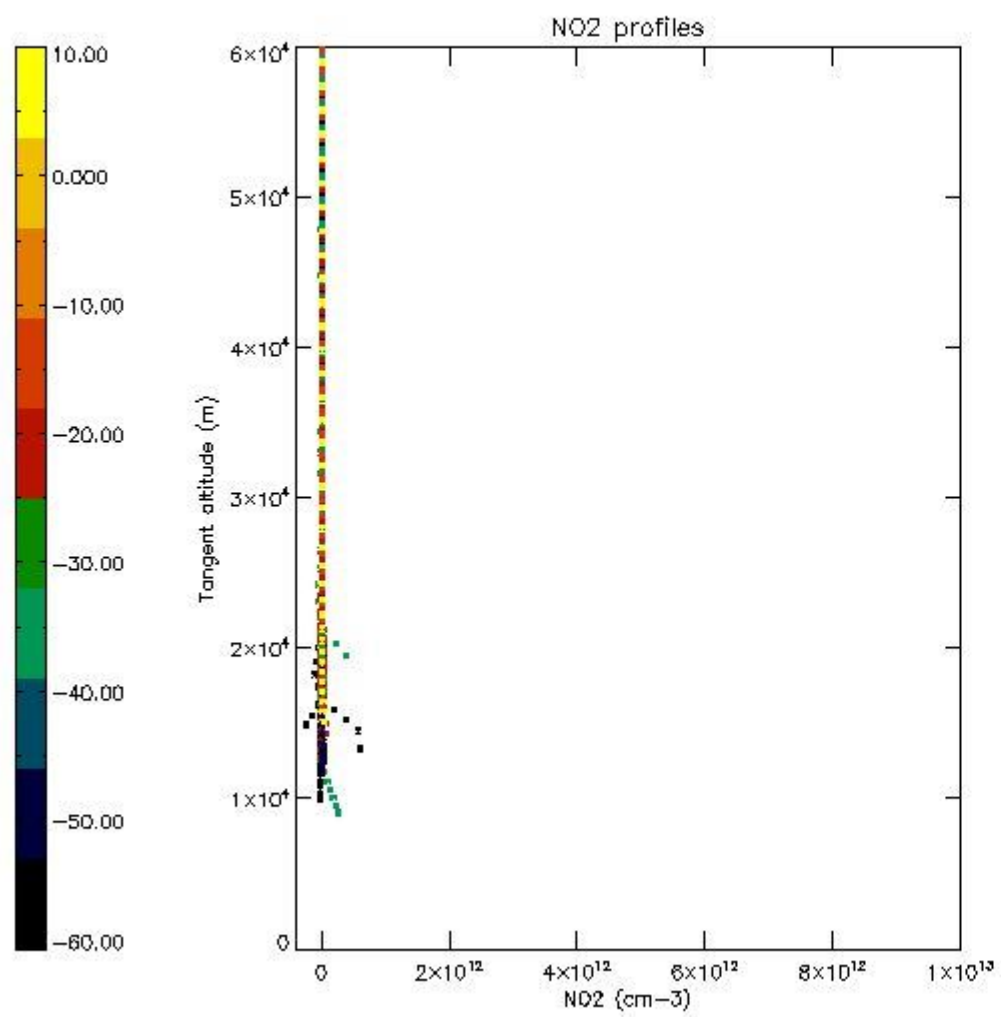
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



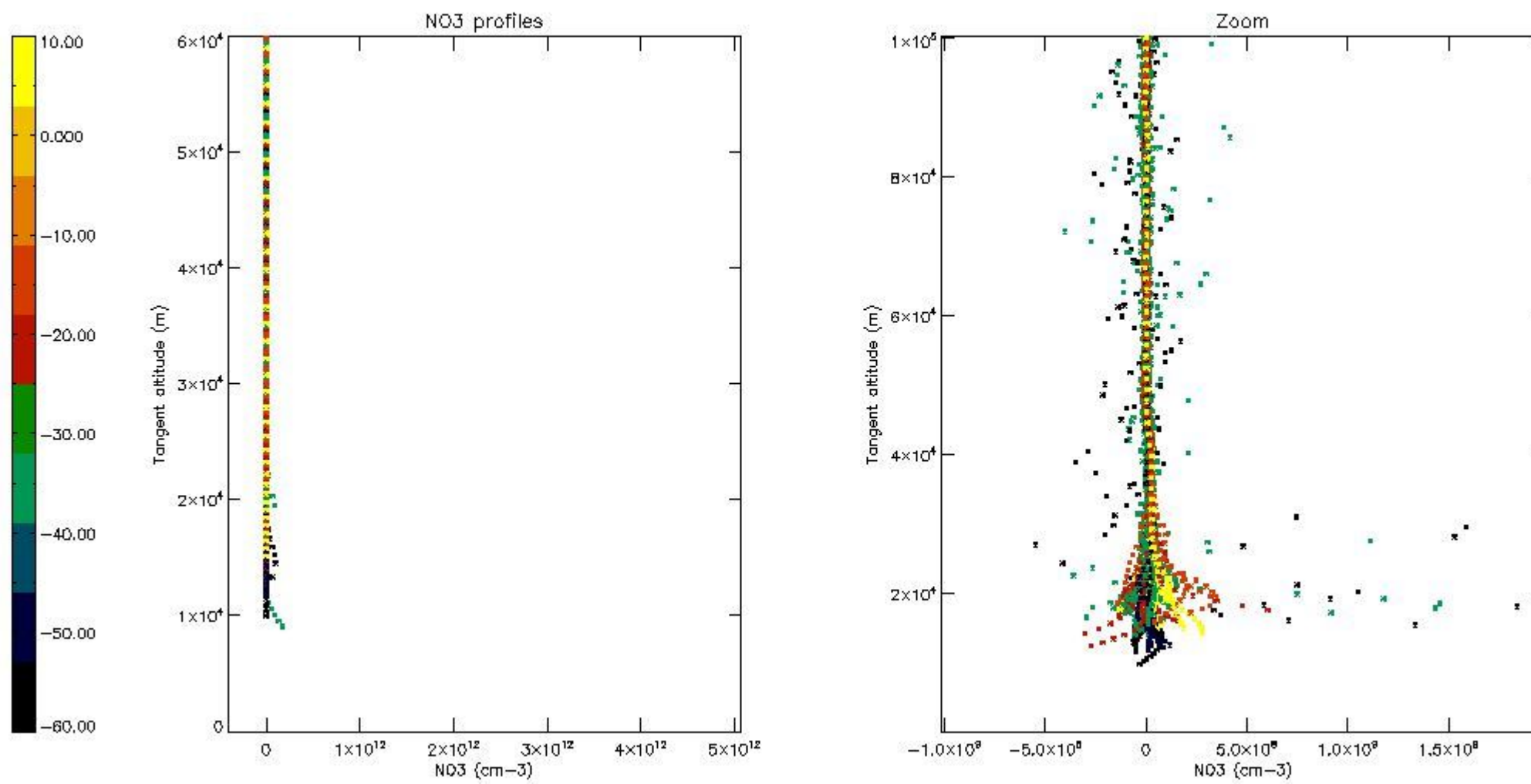
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



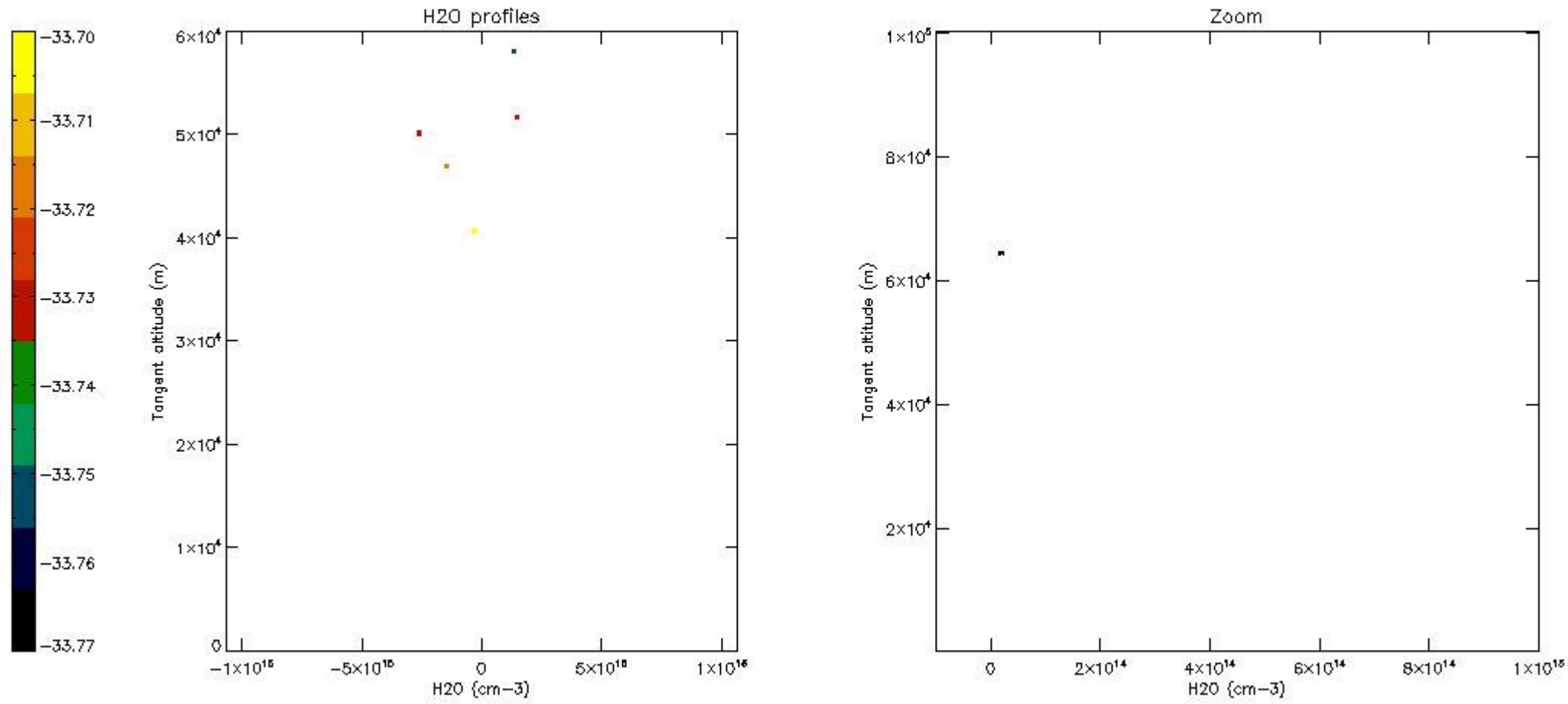
5.7 Plot NO3 profiles for all STD (dark without errors)

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	25-APR-2007 00:00:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-APR-2007 00:00:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-APR-2007 00:00:00

GOMOS Level 2 Daily Report

SUMMARY

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

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

[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	22APR2013 18:52:07
Data source version	GOMOS/6.01
Start time of products	25-04-2007 (25APR2007 00:00:00)
Stop time of products	26-04-2007 (26APR2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	298
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__2PRFIN20070425_000000_000000372057_00317_26924_2671.N1	25-APR-2007 00:00:00	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	26924	No
2	GOM_NL__2PRFIN20070425_000213_000000532057_00317_26924_2672.N1	25-APR-2007 00:02:13	Straylight	53.000	4	Alp1Cen	-0.010000	5800.0	106	26924	No
3	GOM_NL__2PRFIN20070425_000533_000000402057_00317_26924_2673.N1	25-APR-2007 00:05:33	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	26924	No
4	GOM_NL__2PRFIN20070425_000707_000000422057_00317_26924_2674.N1	25-APR-2007 00:07:07	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	26924	No
5	GOM_NL__2PRFIN20070425_000918_000000452057_00317_26924_2675.N1	25-APR-2007 00:09:18	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	26924	No
6	GOM_NL__2PRFIN20070425_001344_000000422057_00317_26924_2676.N1	25-APR-2007 00:13:44	Twilight_stray	41.500	169	46Gam Hya	2.9910	4700.0	83	26924	No
7	GOM_NL__2PRFIN20070425_001709_000000392057_00317_26924_2677.N1	25-APR-2007 00:17:09	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26924	No
8	GOM_NL__2PRFIN20070425_002011_000000362057_00317_26924_2678.N1	25-APR-2007 00:20:11	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26924	No
9	GOM_NL__2PRFIN20070425_002340_000000362057_00317_26924_2679.N1	25-APR-2007 00:23:40	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	26924	No
10	GOM_NL__2PRFIN20070425_003132_000000362057_00317_26924_2680.N1	25-APR-2007 00:31:32	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26924	No
11	GOM_NL__2PRFIN20070425_003549_000000332057_00317_26924_2681.N1	25-APR-2007 00:35:49	Bright	32.500	87	64Gam UMa	2.4330	11000.	65	26924	No
12	GOM_NL__2PRFIN20070425_003824_000000372057_00317_26924_2682.N1	25-APR-2007 00:38:24	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26924	No
13	GOM_NL__2PRFIN20070425_004247_000000362057_00317_26924_2683.N1	25-APR-2007 00:42:47	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	26924	No
14	GOM_NL__2PRFIN20070425_004611_000000352057_00317_26924_2684.N1	25-APR-2007 00:46:11	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26924	No
15	GOM_NL__2PRFIN20070425_005349_000000322057_00317_26924_2685.N1	25-APR-2007 00:53:49	Bright	32.000	110	37Del Cas	2.6780	8900.0	64	26924	No
16	GOM_NL__2PRFIN20070425_005516_000000322057_00317_26924_2686.N1	25-APR-2007 00:55:16	Bright	32.000	68	18Alp Cas	2.2250	4500.0	64	26924	No
17	GOM_NL__2PRFIN20070425_010408_000000412057_00317_26924_2687.N1	25-APR-2007 01:04:08	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26924	No
18	GOM_NL__2PRFIN20070425_010755_000000422057_00317_26924_2688.N1	25-APR-2007 01:07:55	Twilight_stray	41.500	90	54Alp Peg	2.4870	11000.	83	26924	No
19	GOM_NL__2PRFIN20070425_012029_000000442057_00317_26924_2689.N1	25-APR-2007 01:20:29	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	26924	No
20	GOM_NL__2PRFIN20070425_012422_000000402057_00317_26924_2690.N1	25-APR-2007 01:24:22	Dark	40.000	172	Gam Gru	3.0030	13100.	80	26924	No
21	GOM_NL__2PRFIN20070425_012609_000000472057_00317_26924_2691.N1	25-APR-2007 01:26:09	Dark	47.000	31	Alp Gru	1.7340	15200.	94	26924	No
22	GOM_NL__2PRFIN20070425_012903_000000412057_00317_26924_2692.N1	25-APR-2007 01:29:03	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	26924	No
23	GOM_NL__2PRFIN20070425_013127_000000392057_00318_26925_2860.N1	25-APR-2007 01:31:27	Dark	39.000	45	Alp Pav	1.9400	26000.	78	26925	No
24	GOM_NL__2PRFIN20070425_013826_000000392057_00318_26925_2861.N1	25-APR-2007 01:38:26	Dark	39.000	43	Alp TrA	1.9100	4250.0	78	26925	No
25	GOM_NL__2PRFIN20070425_014037_000000392057_00318_26925_2862.N1	25-APR-2007 01:40:37	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26925	No
26	GOM_NL__2PRFIN20070425_014249_000000442057_00318_26925_2863.N1	25-APR-2007 01:42:49	Straylight	44.000	4	Alp1Cen	-0.010000	5800.0	88	26925	No
27	GOM_NL__2PRFIN20070425_014609_000000432057_00318_26925_2864.N1	25-APR-2007 01:46:09	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	26925	No
28	GOM_NL__2PRFIN20070425_014743_000000402057_00318_26925_2865.N1	25-APR-2007 01:47:43	Straylight	39.500	81	Eta Cen	2.3560	28000.	79	26925	No
29	GOM_NL__2PRFIN20070425_014954_000000442057_00318_26925_2866.N1	25-APR-2007 01:49:54	Straylight	44.000	54	5The Cen	2.0550	4500.0	88	26925	No
30	GOM_NL__2PRFIN20070425_015420_000000412057_00318_26925_2867.N1	25-APR-2007 01:54:20	Twilight_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	26925	No
31	GOM_NL__2PRFIN20070425_015745_000000412057_00318_26925_2868.N1	25-APR-2007 01:57:45	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	26925	No
32	GOM_NL__2PRFIN20070425_020047_000000362057_00318_26925_2869.N1	25-APR-2007 02:00:47	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26925	No
33	GOM_NL__2PRFIN20070425_020416_000000362057_00318_26925_2870.N1	25-APR-2007 02:04:16	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26925	No
34	GOM_NL__2PRFIN20070425_021208_000000362057_00318_26925_2871.N1	25-APR-2007 02:12:08	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26925	No
35	GOM_NL__2PRFIN20070425_021625_000000362057_00318_26925_2872.N1	25-APR-2007 02:16:25	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	26925	No
36	GOM_NL__2PRFIN20070425_021900_000000352057_00318_26925_2873.N1	25-APR-2007 02:19:00	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	26925	No
37	GOM_NL__2PRFIN20070425_022322_000000392057_00318_26925_2874.N1	25-APR-2007 02:23:22	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26925	No
38	GOM_NL__2PRFIN20070425_022647_000000322057_00318_26925_2875.N1	25-APR-2007 02:26:47	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	26925	No
39	GOM_NL__2PRFIN20070425_023425_000000342057_00318_26925_2876.N1	25-APR-2007 02:34:25	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26925	No
40	GOM_NL__2PRFIN20070425_023552_000000522057_00318_26925_2877.N1	25-APR-2007 02:35:52	Bright	52.000	68	18Alp Cas	2.2250	4500.0	104	26925	No
41	GOM_NL__2PRFIN20070425_024444_000000412057_00318_26925_2878.N1	25-APR-2007 02:44:44	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	26925	No
42	GOM_NL__2PRFIN20070425_024831_000000432057_00318_26925_2879.N1	25-APR-2007 02:48:31	Twilight_stray	42.500	90	54Alp Peg	2.4870	11000.	85	26925	No

43	GOM_NL__2PRFIN20070425_030106_000000472057_00318_26925_2880.N1	25-APR-2007 03:01:06	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	26925	No
44	GOM_NL__2PRFIN20070425_030645_000000382057_00318_26925_2881.N1	25-APR-2007 03:06:45	Dark	38.000	31	Alp Gru	1.7340	15200.	76	26925	No
45	GOM_NL__2PRFIN20070425_030939_000000382057_00318_26925_2882.N1	25-APR-2007 03:09:39	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	26925	No
46	GOM_NL__2PRFIN20070425_031203_000000392057_00319_26926_2876.N1	25-APR-2007 03:12:03	Dark	38.500	45	Alp Pav	1.9400	26000.	77	26926	No
47	GOM_NL__2PRFIN20070425_031903_000000402057_00319_26926_2877.N1	25-APR-2007 03:19:03	Dark	40.000	43	Alp TrA	1.9100	4250.0	80	26926	No
48	GOM_NL__2PRFIN20070425_032113_000000392057_00319_26926_2878.N1	25-APR-2007 03:21:13	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26926	No
49	GOM_NL__2PRFIN20070425_032325_000000412057_00319_26926_2879.N1	25-APR-2007 03:23:25	Straylight	40.500	4	Alp1Cen	-0.010000	5800.0	81	26926	No
50	GOM_NL__2PRFIN20070425_032645_000000402057_00319_26926_2880.N1	25-APR-2007 03:26:45	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	26926	No
51	GOM_NL__2PRFIN20070425_032819_000000422057_00319_26926_2881.N1	25-APR-2007 03:28:19	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	26926	No
52	GOM_NL__2PRFIN20070425_033031_000000422057_00319_26926_2882.N1	25-APR-2007 03:30:31	Straylight	42.000	54	5The Cen	2.0550	4500.0	84	26926	No
53	GOM_NL__2PRFIN20070425_033456_000000402057_00319_26926_2883.N1	25-APR-2007 03:34:56	Tw_i_and_stray	39.500	169	46Gam Hya	2.9910	4700.0	79	26926	No
54	GOM_NL__2PRFIN20070425_033821_000000412057_00319_26926_2884.N1	25-APR-2007 03:38:21	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	26926	No
55	GOM_NL__2PRFIN20070425_034123_000000362057_00319_26926_2885.N1	25-APR-2007 03:41:23	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26926	No
56	GOM_NL__2PRFIN20070425_034452_000000372057_00319_26926_2886.N1	25-APR-2007 03:44:52	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	26926	No
57	GOM_NL__2PRFIN20070425_035244_000000372057_00319_26926_2887.N1	25-APR-2007 03:52:44	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	26926	No
58	GOM_NL__2PRFIN20070425_035701_000000332057_00319_26926_2888.N1	25-APR-2007 03:57:01	Bright	33.000	87	64Gam UMa	2.4330	11000.	66	26926	No
59	GOM_NL__2PRFIN20070425_035936_000000362057_00319_26926_2889.N1	25-APR-2007 03:59:36	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	26926	No
60	GOM_NL__2PRFIN20070425_040358_000000382057_00319_26926_2890.N1	25-APR-2007 04:03:58	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	26926	No
61	GOM_NL__2PRFIN20070425_040723_000000362057_00319_26926_2891.N1	25-APR-2007 04:07:23	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26926	No
62	GOM_NL__2PRFIN20070425_041501_000000402057_00319_26926_2892.N1	25-APR-2007 04:15:01	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	26926	No
63	GOM_NL__2PRFIN20070425_041628_000000482057_00319_26926_2893.N1	25-APR-2007 04:16:28	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	26926	No
64	GOM_NL__2PRFIN20070425_042520_000000392057_00319_26926_2894.N1	25-APR-2007 04:25:20	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	26926	No
65	GOM_NL__2PRFIN20070425_042907_000000432057_00319_26926_2895.N1	25-APR-2007 04:29:07	Tw_i_and_stray	43.000	90	54Alp Peg	2.4870	11000.	86	26926	No
66	GOM_NL__2PRFIN20070425_044142_000000442057_00319_26926_2896.N1	25-APR-2007 04:41:42	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	26926	No
67	GOM_NL__2PRFIN20070425_044535_000000402057_00319_26926_2897.N1	25-APR-2007 04:45:35	Dark	40.000	172	Gam Gru	3.0030	13100.	80	26926	No
68	GOM_NL__2PRFIN20070425_044722_000000422057_00319_26926_2898.N1	25-APR-2007 04:47:22	Dark	41.500	31	Alp Gru	1.7340	15200.	83	26926	No
69	GOM_NL__2PRFIN20070425_045240_000000402057_00320_26927_2888.N1	25-APR-2007 04:52:40	Dark	40.000	45	Alp Pav	1.9400	26000.	80	26927	No
70	GOM_NL__2PRFIN20070425_045939_000000392057_00320_26927_2889.N1	25-APR-2007 04:59:39	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	26927	No
71	GOM_NL__2PRFIN20070425_050149_000000382057_00320_26927_2890.N1	25-APR-2007 05:01:49	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	26927	No
72	GOM_NL__2PRFIN20070425_050402_000000522057_00320_26927_2891.N1	25-APR-2007 05:04:02	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	26927	No
73	GOM_NL__2PRFIN20070425_050722_000000402057_00320_26927_2892.N1	25-APR-2007 05:07:22	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	26927	No
74	GOM_NL__2PRFIN20070425_050856_000000432057_00320_26927_2893.N1	25-APR-2007 05:08:56	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	26927	No
75	GOM_NL__2PRFIN20070425_051107_000000452057_00320_26927_2894.N1	25-APR-2007 05:11:07	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	26927	No
76	GOM_NL__2PRFIN20070425_051532_000000402057_00320_26927_2895.N1	25-APR-2007 05:15:32	Tw_i_and_stray	40.000	169	46Gam Hya	2.9910	4700.0	80	26927	No
77	GOM_NL__2PRFIN20070425_051857_000000402057_00320_26927_2896.N1	25-APR-2007 05:18:57	Bright	40.000	15	67Alp Vir	0.97600	28000.	80	26927	No
78	GOM_NL__2PRFIN20070425_052159_000000352057_00320_26927_2897.N1	25-APR-2007 05:21:59	Bright	35.000	121	29Gam Vir	2.7400	7200.0	70	26927	No
79	GOM_NL__2PRFIN20070425_052528_000000372057_00320_26927_2898.N1	25-APR-2007 05:25:28	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	26927	No
80	GOM_NL__2PRFIN20070425_053320_000000362057_00320_26927_2899.N1	25-APR-2007 05:33:20	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26927	No
81	GOM_NL__2PRFIN20070425_053737_000000362057_00320_26927_2900.N1	25-APR-2007 05:37:37	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	26927	No
82	GOM_NL__2PRFIN20070425_054012_000000372057_00320_26927_2901.N1	25-APR-2007 05:40:12	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26927	No
83	GOM_NL__2PRFIN20070425_054434_000000392057_00320_26927_2902.N1	25-APR-2007 05:44:34	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	26927	No
84	GOM_NL__2PRFIN20070425_054759_000000362057_00320_26927_2903.N1	25-APR-2007 05:47:59	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26927	No
85	GOM_NL__2PRFIN20070425_055537_000000462057_00320_26927_2904.N1	25-APR-2007 05:55:37	Bright	45.500	110	37Del Cas	2.6780	8900.0	91	26927	No
86	GOM_NL__2PRFIN20070425_055704_000000382057_00320_26927_2905.N1	25-APR-2007 05:57:04	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	26927	No
87	GOM_NL__2PRFIN20070425_060556_000000402057_00320_26927_2906.N1	25-APR-2007 06:05:56	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	26927	No
88	GOM_NL__2PRFIN20070425_060943_000000442057_00320_26927_2907.N1	25-APR-2007 06:09:43	Tw_i_and_stray	43.500	90	54Alp Peg	2.4870	11000.	87	26927	No
89	GOM_NL__2PRFIN20070425_062218_000000432057_00320_26927_2908.N1	25-APR-2007 06:22:18	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	26927	No
90	GOM_NL__2PRFIN20070425_062612_000000412057_00320_26927_2909.N1	25-APR-2007 06:26:12	Dark	41.000	172	Gam Gru	3.0030	13100.	82	26927	No
91	GOM_NL__2PRFIN20070425_062758_000000392057_00320_26927_2910.N1	25-APR-2007 06:27:58	Dark	39.000	31	Alp Gru	1.7340	15200.	78	26927	No
92	GOM_NL__2PRFIN20070425_063317_000000412057_00321_26928_2902.N1	25-APR-2007 06:33:17	Dark	41.000	45	Alp Pav	1.9400	26000.	82	26928	No
93	GOM_NL__2PRFIN20070425_064015_000000392057_00321_26928_2903.N1	25-APR-2007 06:40:15	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	26928	No
94	GOM_NL__2PRFIN20070425_064226_000000382057_00321_26928_2904.N1	25-APR-2007 06:42:26	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	26928	No
95	GOM_NL__2PRFIN20070425_064438_000000512057_00321_26928_2905.N1	25-APR-2007 06:44:38	Straylight	50.500	4	Alp1Cen	-0.010000	5800.0	101	26928	No
96	GOM_NL__2PRFIN20070425_064758_000000412057_00321_26928_2906.N1	25-APR-2007 06:47:58	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	26928	No
97	GOM_NL__2PRFIN20070425_064932_000000422057_00321_26928_2907.N1	25-APR-2007 06:49:32	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	26928	No
98	GOM_NL__2PRFIN20070425_065143_000000482057_00321_26928_2908.N1	25-APR-2007 06:51:43	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	26928	No
99	GOM_NL__2PRFIN20070425_065608_000000412057_00321_26928_2909.N1	25-APR-2007 06:56:08	Tw_i_and_stray	40.500	169	46Gam Hya	2.9910	4700.0	81	26928	No
100	GOM_NL__2PRFIN20070425_065933_000000392057_00321_26928_2910.N1	25-APR-2007 06:59:33	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	26928	No
101	GOM_NL__2PRFIN20070425_070236_000000362057_00321_26928_2911.N1	25-APR-2007 07:02:36	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26928	No

102	GOM_NL__2PRFIN20070425_070604_000000382057_00321_26928_2912.N1	25-APR-2007 07:06:04	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	26928	No
103	GOM_NL__2PRFIN20070425_071356_000000362057_00321_26928_2913.N1	25-APR-2007 07:13:56	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26928	No
104	GOM_NL__2PRFIN20070425_071814_000000352057_00321_26928_2914.N1	25-APR-2007 07:18:14	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	26928	No
105	GOM_NL__2PRFIN20070425_072049_000000362057_00321_26928_2915.N1	25-APR-2007 07:20:49	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	26928	No
106	GOM_NL__2PRFIN20070425_072509_000000382057_00321_26928_2916.N1	25-APR-2007 07:25:09	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	26928	No
107	GOM_NL__2PRFIN20070425_072835_000000352057_00321_26928_2917.N1	25-APR-2007 07:28:35	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	26928	No
108	GOM_NL__2PRFIN20070425_073613_000000342057_00321_26928_2918.N1	25-APR-2007 07:36:13	Bright	34.000	110	37Del Cas	2.6780	8900.0	68	26928	No
109	GOM_NL__2PRFIN20070425_073741_000000352057_00321_26928_2919.N1	25-APR-2007 07:37:41	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	26928	No
110	GOM_NL__2PRFIN20070425_074632_000000412057_00321_26928_2920.N1	25-APR-2007 07:46:32	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26928	No
111	GOM_NL__2PRFIN20070425_075019_000000432057_00321_26928_2921.N1	25-APR-2007 07:50:19	Tw_i_and_stray	43.000	90	54Alp Peg	2.4870	11000.	86	26928	No
112	GOM_NL__2PRFIN20070425_080255_000000422057_00321_26928_2922.N1	25-APR-2007 08:02:55	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	26928	No
113	GOM_NL__2PRFIN20070425_080649_000000402057_00321_26928_2923.N1	25-APR-2007 08:06:49	Dark	40.000	172	Gam Gru	3.0030	13100.	80	26928	No
114	GOM_NL__2PRFIN20070425_080834_000000382057_00321_26928_2924.N1	25-APR-2007 08:08:34	Dark	38.000	31	Alp Gru	1.7340	15200.	76	26928	No
115	GOM_NL__2PRFIN20070425_081128_000000402057_00321_26928_2925.N1	25-APR-2007 08:11:28	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	26928	No
116	GOM_NL__2PRFIN20070425_081353_000000402057_00322_26929_2961.N1	25-APR-2007 08:13:53	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26929	No
117	GOM_NL__2PRFIN20070425_082052_000000412057_00322_26929_2962.N1	25-APR-2007 08:20:52	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	26929	No
118	GOM_NL__2PRFIN20070425_082302_000000402057_00322_26929_2963.N1	25-APR-2007 08:23:02	Straylight	40.000	134	Bet TrA	2.8100	6600.0	80	26929	No
119	GOM_NL__2PRFIN20070425_082514_000000442057_00322_26929_2964.N1	25-APR-2007 08:25:14	Straylight	44.000	4	Alp1Cen	-0.010000	5800.0	88	26929	No
120	GOM_NL__2PRFIN20070425_082834_000000412057_00322_26929_2965.N1	25-APR-2007 08:28:34	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	26929	No
121	GOM_NL__2PRFIN20070425_083008_000000402057_00322_26929_2966.N1	25-APR-2007 08:30:08	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	26929	No
122	GOM_NL__2PRFIN20070425_083220_000000442057_00322_26929_2967.N1	25-APR-2007 08:32:20	Straylight	44.000	54	5The Cen	2.0550	4500.0	88	26929	No
123	GOM_NL__2PRFIN20070425_083644_000000402057_00322_26929_2968.N1	25-APR-2007 08:36:44	Tw_i_and_stray	40.000	169	46Gam Hya	2.9910	4700.0	80	26929	No
124	GOM_NL__2PRFIN20070425_084009_000000392057_00322_26929_2969.N1	25-APR-2007 08:40:09	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	26929	No
125	GOM_NL__2PRFIN20070425_084312_000000362057_00322_26929_2970.N1	25-APR-2007 08:43:12	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26929	No
126	GOM_NL__2PRFIN20070425_084640_000000372057_00322_26929_2971.N1	25-APR-2007 08:46:40	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	26929	No
127	GOM_NL__2PRFIN20070425_085431_000000362057_00322_26929_2972.N1	25-APR-2007 08:54:31	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26929	No
128	GOM_NL__2PRFIN20070425_085850_000000352057_00322_26929_2973.N1	25-APR-2007 08:58:50	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	26929	No
129	GOM_NL__2PRFIN20070425_090125_000000362057_00322_26929_2974.N1	25-APR-2007 09:01:25	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	26929	No
130	GOM_NL__2PRFIN20070425_090545_000000422057_00322_26929_2975.N1	25-APR-2007 09:05:45	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	26929	No
131	GOM_NL__2PRFIN20070425_090911_000000352057_00322_26929_2976.N1	25-APR-2007 09:09:11	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	26929	No
132	GOM_NL__2PRFIN20070425_091649_000000522057_00322_26929_2977.N1	25-APR-2007 09:16:49	Bright	52.000	110	37Del Cas	2.6780	8900.0	104	26929	No
133	GOM_NL__2PRFIN20070425_091817_000000352057_00322_26929_2978.N1	25-APR-2007 09:18:17	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	26929	No
134	GOM_NL__2PRFIN20070425_092708_000000552057_00322_26929_2979.N1	25-APR-2007 09:27:08	Bright	55.000	93	53Bet Peg	2.5200	3100.0	110	26929	No
135	GOM_NL__2PRFIN20070425_093055_000000432057_00322_26929_2980.N1	25-APR-2007 09:30:55	Tw_i_and_stray	42.500	90	54Alp Peg	2.4870	11000.	85	26929	No
136	GOM_NL__2PRFIN20070425_094331_000000462057_00322_26929_2981.N1	25-APR-2007 09:43:31	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	26929	No
137	GOM_NL__2PRFIN20070425_094725_000000422057_00322_26929_2982.N1	25-APR-2007 09:47:25	Dark	42.000	172	Gam Gru	3.0030	13100.	84	26929	No
138	GOM_NL__2PRFIN20070425_094911_000000412057_00322_26929_2983.N1	25-APR-2007 09:49:11	Dark	40.500	31	Alp Gru	1.7340	15200.	81	26929	No
139	GOM_NL__2PRFIN20070425_095204_000000392057_00322_26929_2984.N1	25-APR-2007 09:52:04	Dark	39.000	148	Alp Tuc	2.8780	4100.0	78	26929	No
140	GOM_NL__2PRFIN20070425_095430_000000412057_00323_26930_2976.N1	25-APR-2007 09:54:30	Dark	40.500	45	Alp Pav	1.9400	26000.	81	26930	No
141	GOM_NL__2PRFIN20070425_100128_000000402057_00323_26930_2977.N1	25-APR-2007 10:01:28	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	26930	No
142	GOM_NL__2PRFIN20070425_100338_000000392057_00323_26930_2978.N1	25-APR-2007 10:03:38	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26930	No
143	GOM_NL__2PRFIN20070425_100550_000000482057_00323_26930_2979.N1	25-APR-2007 10:05:50	Straylight	48.000	4	Alp1Cen	-0.010000	5800.0	96	26930	No
144	GOM_NL__2PRFIN20070425_100911_000000422057_00323_26930_2980.N1	25-APR-2007 10:09:11	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	26930	No
145	GOM_NL__2PRFIN20070425_101044_000000432057_00323_26930_2981.N1	25-APR-2007 10:10:44	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	26930	No
146	GOM_NL__2PRFIN20070425_101256_000000452057_00323_26930_2982.N1	25-APR-2007 10:12:56	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	26930	No
147	GOM_NL__2PRFIN20070425_101721_000000382057_00323_26930_2983.N1	25-APR-2007 10:17:21	Tw_i_and_stray	38.000	169	46Gam Hya	2.9910	4700.0	76	26930	No
148	GOM_NL__2PRFIN20070425_102045_000000392057_00323_26930_2984.N1	25-APR-2007 10:20:45	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26930	No
149	GOM_NL__2PRFIN20070425_102348_000000362057_00323_26930_2985.N1	25-APR-2007 10:23:48	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26930	No
150	GOM_NL__2PRFIN20070425_102716_000000372057_00323_26930_2986.N1	25-APR-2007 10:27:16	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	26930	No
151	GOM_NL__2PRFIN20070425_103507_000000372057_00323_26930_2987.N1	25-APR-2007 10:35:07	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	26930	No
152	GOM_NL__2PRFIN20070425_103926_000000362057_00323_26930_2988.N1	25-APR-2007 10:39:26	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	26930	No
153	GOM_NL__2PRFIN20070425_104201_000000372057_00323_26930_2989.N1	25-APR-2007 10:42:01	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	26930	No
154	GOM_NL__2PRFIN20070425_104621_000000392057_00323_26930_2990.N1	25-APR-2007 10:46:21	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26930	No
155	GOM_NL__2PRFIN20070425_104946_000000342057_00323_26930_2991.N1	25-APR-2007 10:49:46	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	26930	No
156	GOM_NL__2PRFIN20070425_105725_000000342057_00323_26930_2992.N1	25-APR-2007 10:57:25	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26930	No
157	GOM_NL__2PRFIN20070425_105853_000000332057_00323_26930_2993.N1	25-APR-2007 10:58:53	Bright	33.000	68	18Alp Cas	2.2250	4500.0	66	26930	No
158	GOM_NL__2PRFIN20070425_110744_000000402057_00323_26930_2994.N1	25-APR-2007 11:07:44	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	26930	No
159	GOM_NL__2PRFIN20070425_111132_000000412057_00323_26930_2995.N1	25-APR-2007 11:11:32	Tw_i_and_stray	40.500	90	54Alp Peg	2.4870	11000.	81	26930	No
160	GOM_NL__2PRFIN20070425_112407_000000412057_00323_26930_2996.N1	25-APR-2007 11:24:07	Dark	41.000	18	24Alp PsA	1.1660	9700.0	82	26930	No

161	GOM_NL__2PRFIN20070425_112802_000000412057_00323_26930_2997.N1	25-APR-2007 11:28:02	Dark	41.000	172	Gam Gru	3.0030	13100.	82	26930	No
162	GOM_NL__2PRFIN20070425_112947_000000422057_00323_26930_2998.N1	25-APR-2007 11:29:47	Dark	42.000	31	Alp Gru	1.7340	15200.	84	26930	No
163	GOM_NL__2PRFIN20070425_113240_000000402057_00323_26930_2999.N1	25-APR-2007 11:32:40	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	26930	No
164	GOM_NL__2PRFIN20070425_113506_000000402057_00324_26931_2992.N1	25-APR-2007 11:35:06	Dark	40.000	45	Alp Pav	1.9400	26000.	80	26931	No
165	GOM_NL__2PRFIN20070425_114204_000000382057_00324_26931_2993.N1	25-APR-2007 11:42:04	Dark	38.000	43	Alp TrA	1.9100	4250.0	76	26931	No
166	GOM_NL__2PRFIN20070425_114415_000000392057_00324_26931_2994.N1	25-APR-2007 11:44:15	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26931	No
167	GOM_NL__2PRFIN20070425_114626_000000532057_00324_26931_2995.N1	25-APR-2007 11:46:26	Straylight	53.000	4	Alp1Cen	-0.010000	5800.0	106	26931	No
168	GOM_NL__2PRFIN20070425_114947_000000392057_00324_26931_2996.N1	25-APR-2007 11:49:47	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	26931	No
169	GOM_NL__2PRFIN20070425_115121_000000412057_00324_26931_2997.N1	25-APR-2007 11:51:21	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	26931	No
170	GOM_NL__2PRFIN20070425_115332_000000472057_00324_26931_2998.N1	25-APR-2007 11:53:32	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	26931	No
171	GOM_NL__2PRFIN20070425_115757_000000412057_00324_26931_2999.N1	25-APR-2007 11:57:57	Tw_i_and_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	26931	No
172	GOM_NL__2PRFIN20070425_120121_000000392057_00324_26931_3000.N1	25-APR-2007 12:01:21	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	26931	No
173	GOM_NL__2PRFIN20070425_120424_000000362057_00324_26931_3001.N1	25-APR-2007 12:04:24	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26931	No
174	GOM_NL__2PRFIN20070425_120752_000000372057_00324_26931_3002.N1	25-APR-2007 12:07:52	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	26931	No
175	GOM_NL__2PRFIN20070425_121543_000000352057_00324_26931_3003.N1	25-APR-2007 12:15:43	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	26931	No
176	GOM_NL__2PRFIN20070425_122001_000000372057_00324_26931_3004.N1	25-APR-2007 12:20:01	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	26931	No
177	GOM_NL__2PRFIN20070425_122237_000000372057_00324_26931_3005.N1	25-APR-2007 12:22:37	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26931	No
178	GOM_NL__2PRFIN20070425_122656_000000392057_00324_26931_3006.N1	25-APR-2007 12:26:56	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	26931	No
179	GOM_NL__2PRFIN20070425_123022_000000352057_00324_26931_3007.N1	25-APR-2007 12:30:22	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	26931	No
180	GOM_NL__2PRFIN20070425_123801_000000342057_00324_26931_3008.N1	25-APR-2007 12:38:01	Bright	34.000	110	37Del Cas	2.6780	8900.0	68	26931	No
181	GOM_NL__2PRFIN20070425_123929_000000332057_00324_26931_3009.N1	25-APR-2007 12:39:29	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	26931	No
182	GOM_NL__2PRFIN20070425_124820_000000402057_00324_26931_3010.N1	25-APR-2007 12:48:20	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	26931	No
183	GOM_NL__2PRFIN20070425_125208_000000442057_00324_26931_3011.N1	25-APR-2007 12:52:08	Tw_i_and_stray	43.500	90	54Alp Peg	2.4870	11000.	87	26931	No
184	GOM_NL__2PRFIN20070425_130444_000000442057_00324_26931_3012.N1	25-APR-2007 13:04:44	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	26931	No
185	GOM_NL__2PRFIN20070425_130838_000000402057_00324_26931_3013.N1	25-APR-2007 13:08:38	Dark	40.000	172	Gam Gru	3.0030	13100.	80	26931	No
186	GOM_NL__2PRFIN20070425_131023_000000412057_00324_26931_3014.N1	25-APR-2007 13:10:23	Dark	40.500	31	Alp Gru	1.7340	15200.	81	26931	No
187	GOM_NL__2PRFIN20070425_131316_000000382057_00324_26931_3015.N1	25-APR-2007 13:13:16	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	26931	No
188	GOM_NL__2PRFIN20070425_131543_000000402057_00325_26932_3010.N1	25-APR-2007 13:15:43	Dark	40.000	45	Alp Pav	1.9400	26000.	80	26932	No
189	GOM_NL__2PRFIN20070425_132241_000000412057_00325_26932_3011.N1	25-APR-2007 13:22:41	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	26932	No
190	GOM_NL__2PRFIN20070425_132451_000000392057_00325_26932_3012.N1	25-APR-2007 13:24:51	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	26932	No
191	GOM_NL__2PRFIN20070425_132703_000000422057_00325_26932_3013.N1	25-APR-2007 13:27:03	Straylight	42.000	4	Alp1Cen	-0.010000	5800.0	84	26932	No
192	GOM_NL__2PRFIN20070425_133023_000000432057_00325_26932_3014.N1	25-APR-2007 13:30:23	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	26932	No
193	GOM_NL__2PRFIN20070425_133157_000000412057_00325_26932_3015.N1	25-APR-2007 13:31:57	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	26932	No
194	GOM_NL__2PRFIN20070425_133408_000000472057_00325_26932_3016.N1	25-APR-2007 13:34:08	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	26932	No
195	GOM_NL__2PRFIN20070425_133833_000000402057_00325_26932_3017.N1	25-APR-2007 13:38:33	Tw_i_and_stray	39.500	169	46Gam Hya	2.9910	4700.0	79	26932	No
196	GOM_NL__2PRFIN20070425_134157_000000392057_00325_26932_3018.N1	25-APR-2007 13:41:57	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26932	No
197	GOM_NL__2PRFIN20070425_134500_000000362057_00325_26932_3019.N1	25-APR-2007 13:45:00	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26932	No
198	GOM_NL__2PRFIN20070425_134827_000000362057_00325_26932_3020.N1	25-APR-2007 13:48:27	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26932	No
199	GOM_NL__2PRFIN20070425_135619_000000362057_00325_26932_3021.N1	25-APR-2007 13:56:19	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	26932	No
200	GOM_NL__2PRFIN20070425_140038_000000352057_00325_26932_3022.N1	25-APR-2007 14:00:38	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	26932	No
201	GOM_NL__2PRFIN20070425_140313_000000382057_00325_26932_3023.N1	25-APR-2007 14:03:13	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	26932	No
202	GOM_NL__2PRFIN20070425_140732_000000392057_00325_26932_3024.N1	25-APR-2007 14:07:32	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26932	No
203	GOM_NL__2PRFIN20070425_141058_000000352057_00325_26932_3025.N1	25-APR-2007 14:10:58	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26932	No
204	GOM_NL__2PRFIN20070425_141838_000000332057_00325_26932_3026.N1	25-APR-2007 14:18:38	Bright	32.500	110	37Del Cas	2.6780	8900.0	65	26932	No
205	GOM_NL__2PRFIN20070425_142005_000000442057_00325_26932_3027.N1	25-APR-2007 14:20:05	Bright	44.000	68	18Alp Cas	2.2250	4500.0	88	26932	No
206	GOM_NL__2PRFIN20070425_142857_000000402057_00325_26932_3028.N1	25-APR-2007 14:28:57	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	26932	No
207	GOM_NL__2PRFIN20070425_143244_000000422057_00325_26932_3029.N1	25-APR-2007 14:32:44	Tw_i_and_stray	42.000	90	54Alp Peg	2.4870	11000.	84	26932	No
208	GOM_NL__2PRFIN20070425_144520_000000432057_00325_26932_3030.N1	25-APR-2007 14:45:20	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	26932	No
209	GOM_NL__2PRFIN20070425_144915_000000422057_00325_26932_3031.N1	25-APR-2007 14:49:15	Dark	41.500	172	Gam Gru	3.0030	13100.	83	26932	No
210	GOM_NL__2PRFIN20070425_145100_000000402057_00325_26932_3032.N1	25-APR-2007 14:51:00	Dark	39.500	31	Alp Gru	1.7340	15200.	79	26932	No
211	GOM_NL__2PRFIN20070425_145353_000000392057_00325_26932_3033.N1	25-APR-2007 14:53:53	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	26932	No
212	GOM_NL__2PRFIN20070425_145619_000000392057_00326_26933_3021.N1	25-APR-2007 14:56:19	Dark	38.500	45	Alp Pav	1.9400	26000.	77	26933	No
213	GOM_NL__2PRFIN20070425_150317_000000422057_00326_26933_3022.N1	25-APR-2007 15:03:17	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	26933	No
214	GOM_NL__2PRFIN20070425_150527_000000392057_00326_26933_3023.N1	25-APR-2007 15:05:27	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26933	No
215	GOM_NL__2PRFIN20070425_150739_000000472057_00326_26933_3024.N1	25-APR-2007 15:07:39	Straylight	47.000	4	Alp1Cen	-0.010000	5800.0	94	26933	No
216	GOM_NL__2PRFIN20070425_151059_000000402057_00326_26933_3025.N1	25-APR-2007 15:10:59	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	26933	No
217	GOM_NL__2PRFIN20070425_151233_000000412057_00326_26933_3026.N1	25-APR-2007 15:12:33	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	26933	No
218	GOM_NL__2PRFIN20070425_151444_000000442057_00326_26933_3027.N1	25-APR-2007 15:14:44	Straylight	43.500	54	5The Cen	2.0550	4500.0	87	26933	No
219	GOM_NL__2PRFIN20070425_151909_000000402057_00326_26933_3028.N1	25-APR-2007 15:19:09	Tw_i_and_stray	39.500	169	46Gam Hya	2.9910	4700.0	79	26933	No

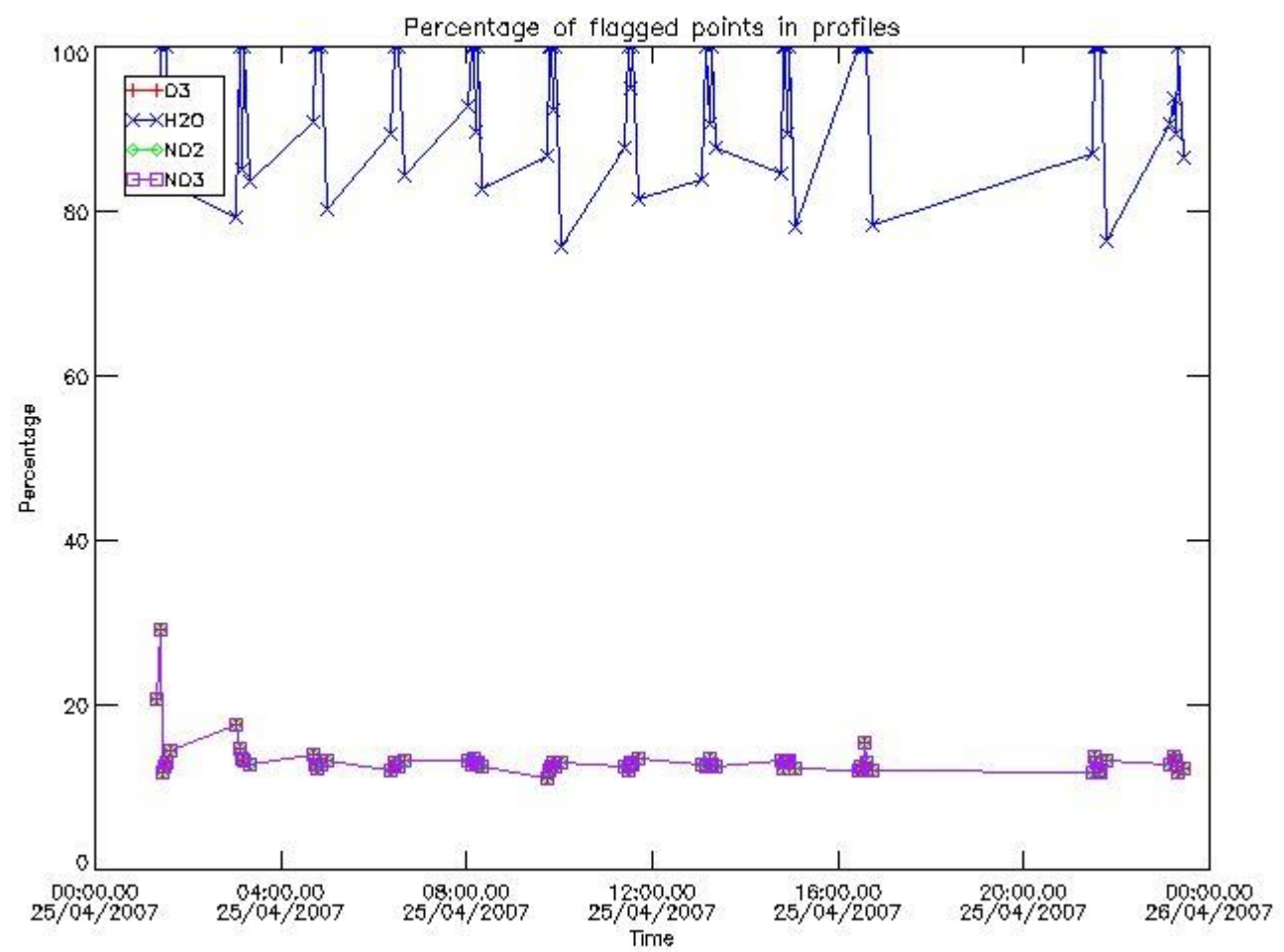
220	GOM_NL__2PRFIN20070425_152233_000000392057_00326_26933_3029.N1	25-APR-2007 15:22:33	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	26933	No
221	GOM_NL__2PRFIN20070425_152536_000000362057_00326_26933_3030.N1	25-APR-2007 15:25:36	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26933	No
222	GOM_NL__2PRFIN20070425_152903_000000362057_00326_26933_3031.N1	25-APR-2007 15:29:03	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26933	No
223	GOM_NL__2PRFIN20070425_153655_000000362057_00326_26933_3032.N1	25-APR-2007 15:36:55	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26933	No
224	GOM_NL__2PRFIN20070425_154114_000000362057_00326_26933_3033.N1	25-APR-2007 15:41:14	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	26933	No
225	GOM_NL__2PRFIN20070425_154349_000000372057_00326_26933_3034.N1	25-APR-2007 15:43:49	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26933	No
226	GOM_NL__2PRFIN20070425_154808_000000392057_00326_26933_3035.N1	25-APR-2007 15:48:08	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26933	No
227	GOM_NL__2PRFIN20070425_155134_000000362057_00326_26933_3036.N1	25-APR-2007 15:51:34	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26933	No
228	GOM_NL__2PRFIN20070425_155914_000000332057_00326_26933_3037.N1	25-APR-2007 15:59:14	Bright	32.500	110	37Del Cas	2.6780	8900.0	65	26933	No
229	GOM_NL__2PRFIN20070425_160041_000000452057_00326_26933_3038.N1	25-APR-2007 16:00:41	Bright	44.500	68	18Alp Cas	2.2250	4500.0	89	26933	No
230	GOM_NL__2PRFIN20070425_160933_000000402057_00326_26933_3039.N1	25-APR-2007 16:09:33	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	26933	No
231	GOM_NL__2PRFIN20070425_161320_000000432057_00326_26933_3040.N1	25-APR-2007 16:13:20	Twilight	42.500	90	54Alp Peg	2.4870	11000.	85	26933	No
232	GOM_NL__2PRFIN20070425_162556_000000432057_00326_26933_3041.N1	25-APR-2007 16:25:56	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	26933	No
233	GOM_NL__2PRFIN20070425_162951_000000412057_00326_26933_3042.N1	25-APR-2007 16:29:51	Dark	41.000	172	Gam Gru	3.0030	13100.	82	26933	No
234	GOM_NL__2PRFIN20070425_163136_000000432057_00326_26933_3043.N1	25-APR-2007 16:31:36	Dark	42.500	31	Alp Gru	1.7340	15200.	85	26933	No
235	GOM_NL__2PRFIN20070425_163429_000000372057_00326_26933_3044.N1	25-APR-2007 16:34:29	Dark	36.500	148	Alp Tuc	2.8780	4100.0	73	26933	No
236	GOM_NL__2PRFIN20070425_163656_000000402057_00327_26934_3042.N1	25-APR-2007 16:36:56	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26934	No
237	GOM_NL__2PRFIN20070425_164353_000000422057_00327_26934_3043.N1	25-APR-2007 16:43:53	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	26934	No
238	GOM_NL__2PRFIN20070425_164604_000000372057_00327_26934_3044.N1	25-APR-2007 16:46:04	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	26934	No
239	GOM_NL__2PRFIN20070425_164815_000000492057_00327_26934_3045.N1	25-APR-2007 16:48:15	Straylight	48.500	4	Alp1Cen	-0.010000	5800.0	97	26934	No
240	GOM_NL__2PRFIN20070425_165136_000000392057_00327_26934_3046.N1	25-APR-2007 16:51:36	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	26934	No
241	GOM_NL__2PRFIN20070425_165310_000000412057_00327_26934_3047.N1	25-APR-2007 16:53:10	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	26934	No
242	GOM_NL__2PRFIN20070425_201248_000000402057_00329_26936_3066.N1	25-APR-2007 20:12:48	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	26936	No
243	GOM_NL__2PRFIN20070425_201422_000000432057_00329_26936_3067.N1	25-APR-2007 20:14:22	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	26936	No
244	GOM_NL__2PRFIN20070425_201633_000000452057_00329_26936_3068.N1	25-APR-2007 20:16:33	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	26936	No
245	GOM_NL__2PRFIN20070425_202057_000000402057_00329_26936_3069.N1	25-APR-2007 20:20:57	Twilight	40.000	169	46Gam Hya	2.9910	4700.0	80	26936	No
246	GOM_NL__2PRFIN20070425_202422_000000392057_00329_26936_3070.N1	25-APR-2007 20:24:22	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	26936	No
247	GOM_NL__2PRFIN20070425_202724_000000362057_00329_26936_3071.N1	25-APR-2007 20:27:24	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26936	No
248	GOM_NL__2PRFIN20070425_203051_000000362057_00329_26936_3072.N1	25-APR-2007 20:30:51	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	26936	No
249	GOM_NL__2PRFIN20070425_203842_000000362057_00329_26936_3073.N1	25-APR-2007 20:38:42	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26936	No
250	GOM_NL__2PRFIN20070425_204302_000000382057_00329_26936_3074.N1	25-APR-2007 20:43:02	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	26936	No
251	GOM_NL__2PRFIN20070425_204415_000000362057_00329_26936_3075.N1	25-APR-2007 20:44:15	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	26936	No
252	GOM_NL__2PRFIN20070425_204537_000000382057_00329_26936_3076.N1	25-APR-2007 20:45:37	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	26936	No
253	GOM_NL__2PRFIN20070425_204955_000000392057_00329_26936_3077.N1	25-APR-2007 20:49:55	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	26936	No
254	GOM_NL__2PRFIN20070425_205322_000000362057_00329_26936_3078.N1	25-APR-2007 20:53:22	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26936	No
255	GOM_NL__2PRFIN20070425_210102_000000332057_00329_26936_3079.N1	25-APR-2007 21:01:02	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	26936	No
256	GOM_NL__2PRFIN20070425_210229_000000342057_00329_26936_3080.N1	25-APR-2007 21:02:29	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	26936	No
257	GOM_NL__2PRFIN20070425_211121_000000432057_00329_26936_3081.N1	25-APR-2007 21:11:21	Bright	43.000	93	53Bet Peg	2.5200	3100.0	86	26936	No
258	GOM_NL__2PRFIN20070425_211509_000000412057_00329_26936_3082.N1	25-APR-2007 21:15:09	Twilight	41.000	90	54Alp Peg	2.4870	11000.	82	26936	No
259	GOM_NL__2PRFIN20070425_212745_000000432057_00329_26936_3083.N1	25-APR-2007 21:27:45	Dark	43.000	18	24Alp PsA	1.1660	9700.0	86	26936	No
260	GOM_NL__2PRFIN20070425_213141_000000412057_00329_26936_3084.N1	25-APR-2007 21:31:41	Dark	40.500	172	Gam Gru	3.0030	13100.	81	26936	No
261	GOM_NL__2PRFIN20070425_213326_000000392057_00329_26936_3085.N1	25-APR-2007 21:33:26	Dark	39.000	31	Alp Gru	1.7340	15200.	78	26936	No
262	GOM_NL__2PRFIN20070425_213618_000000432057_00329_26936_3086.N1	25-APR-2007 21:36:18	Dark	42.500	148	Alp Tuc	2.8780	4100.0	85	26936	No
263	GOM_NL__2PRFIN20070425_213846_000000432057_00330_26937_3080.N1	25-APR-2007 21:38:46	Dark	43.000	45	Alp Pav	1.9400	26000.	86	26937	No
264	GOM_NL__2PRFIN20070425_214542_000000392057_00330_26937_3081.N1	25-APR-2007 21:45:42	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	26937	No
265	GOM_NL__2PRFIN20070425_214753_000000382057_00330_26937_3082.N1	25-APR-2007 21:47:53	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	26937	No
266	GOM_NL__2PRFIN20070425_215004_000000462057_00330_26937_3083.N1	25-APR-2007 21:50:04	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	26937	No
267	GOM_NL__2PRFIN20070425_215325_000000422057_00330_26937_3084.N1	25-APR-2007 21:53:25	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	26937	No
268	GOM_NL__2PRFIN20070425_215458_000000422057_00330_26937_3085.N1	25-APR-2007 21:54:58	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	26937	No
269	GOM_NL__2PRFIN20070425_215709_000000432057_00330_26937_3086.N1	25-APR-2007 21:57:09	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	26937	No
270	GOM_NL__2PRFIN20070425_220133_000000412057_00330_26937_3087.N1	25-APR-2007 22:01:33	Twilight	41.000	169	46Gam Hya	2.9910	4700.0	82	26937	No
271	GOM_NL__2PRFIN20070425_220458_000000412057_00330_26937_3088.N1	25-APR-2007 22:04:58	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	26937	No
272	GOM_NL__2PRFIN20070425_220800_000000362057_00330_26937_3089.N1	25-APR-2007 22:08:00	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26937	No
273	GOM_NL__2PRFIN20070425_221127_000000362057_00330_26937_3090.N1	25-APR-2007 22:11:27	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26937	No
274	GOM_NL__2PRFIN20070425_221918_000000362057_00330_26937_3091.N1	25-APR-2007 22:19:18	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26937	No
275	GOM_NL__2PRFIN20070425_222338_000000352057_00330_26937_3092.N1	25-APR-2007 22:23:38	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	26937	No
276	GOM_NL__2PRFIN20070425_222451_000000352057_00330_26937_3093.N1	25-APR-2007 22:24:51	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	26937	No
277	GOM_NL__2PRFIN20070425_222614_000000522057_00330_26937_3094.N1	25-APR-2007 22:26:14	Bright	52.000	36	50Alp UMa	1.8000	6300.0	104	26937	No
278	GOM_NL__2PRFIN20070425_223031_000000392057_00330_26937_3095.N1	25-APR-2007 22:30:31	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26937	No

279	GOM_NL__2PRFIN20070425_223358_000000362057_00330_26937_3096.N1	25-APR-2007 22:33:58	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26937	No
280	GOM_NL__2PRFIN20070425_224138_000000342057_00330_26937_3097.N1	25-APR-2007 22:41:38	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26937	No
281	GOM_NL__2PRFIN20070425_224305_000000332057_00330_26937_3098.N1	25-APR-2007 22:43:05	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	26937	No
282	GOM_NL__2PRFIN20070425_225157_000000412057_00330_26937_3099.N1	25-APR-2007 22:51:57	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26937	No
283	GOM_NL__2PRFIN20070425_225545_000000412057_00330_26937_3100.N1	25-APR-2007 22:55:45	Twilight	41.000	90	54Alp Peg	2.4870	11000.	82	26937	No
284	GOM_NL__2PRFIN20070425_230822_000000442057_00330_26937_3101.N1	25-APR-2007 23:08:22	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	26937	No
285	GOM_NL__2PRFIN20070425_231402_000000412057_00330_26937_3102.N1	25-APR-2007 23:14:02	Dark	40.500	31	Alp Gru	1.7340	15200.	81	26937	No
286	GOM_NL__2PRFIN20070425_231654_000000392057_00330_26937_3103.N1	25-APR-2007 23:16:54	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	26937	No
287	GOM_NL__2PRFIN20070425_231922_000000432057_00331_26938_3100.N1	25-APR-2007 23:19:22	Dark	43.000	45	Alp Pav	1.9400	26000.	86	26938	No
288	GOM_NL__2PRFIN20070425_232618_000000422057_00331_26938_3101.N1	25-APR-2007 23:26:18	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	26938	No
289	GOM_NL__2PRFIN20070425_232829_000000392057_00331_26938_3102.N1	25-APR-2007 23:28:29	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	26938	No
290	GOM_NL__2PRFIN20070425_233040_000000462057_00331_26938_3103.N1	25-APR-2007 23:30:40	Straylight	46.000	4	Alp1Cen	-0.010000	5800.0	92	26938	No
291	GOM_NL__2PRFIN20070425_233401_000000402057_00331_26938_3104.N1	25-APR-2007 23:34:01	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	26938	No
292	GOM_NL__2PRFIN20070425_233535_000000412057_00331_26938_3105.N1	25-APR-2007 23:35:35	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	26938	No
293	GOM_NL__2PRFIN20070425_233745_000000432057_00331_26938_3106.N1	25-APR-2007 23:37:45	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	26938	No
294	GOM_NL__2PRFIN20070425_234209_000000402057_00331_26938_3107.N1	25-APR-2007 23:42:09	Twilight	39.500	169	46Gam Hya	2.9910	4700.0	79	26938	No
295	GOM_NL__2PRFIN20070425_234533_000000392057_00331_26938_3108.N1	25-APR-2007 23:45:33	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26938	No
296	GOM_NL__2PRFIN20070425_234836_000000362057_00331_26938_3109.N1	25-APR-2007 23:48:36	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26938	No
297	GOM_NL__2PRFIN20070425_235203_000000362057_00331_26938_3110.N1	25-APR-2007 23:52:03	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26938	No
298	GOM_NL__2PRFIN20070425_235954_000000432057_00331_26938_3111.N1	25-APR-2007 23:59:54	Bright	43.000	152	12Alp2CVn	2.8900	11000.	86	26938	No

3. Quality information per product

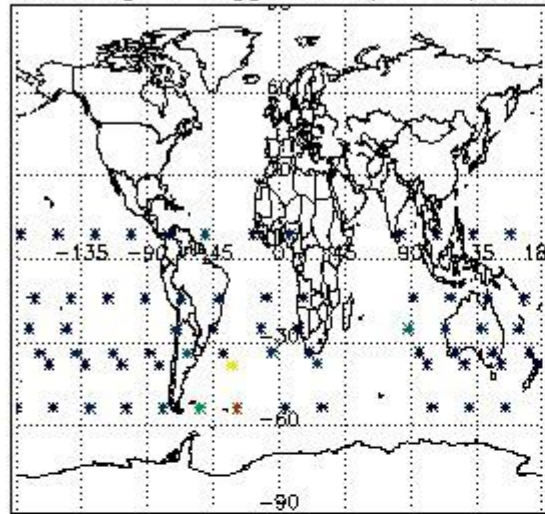
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

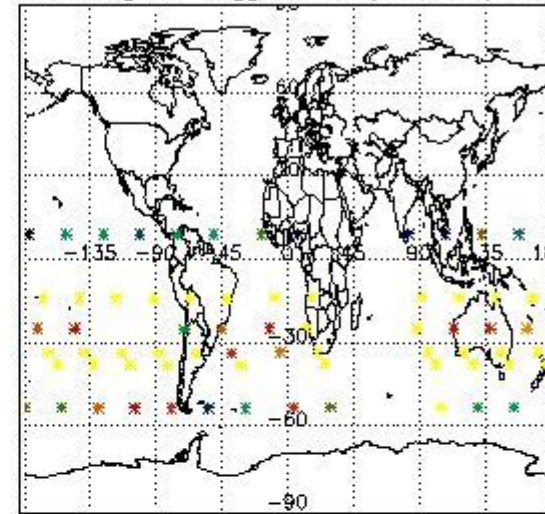


3.2 Plot quality information per product (world map)

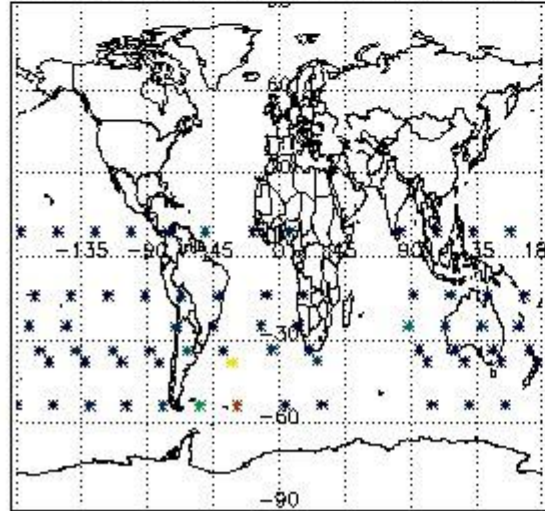
Percentage of flagged data per O3 profile



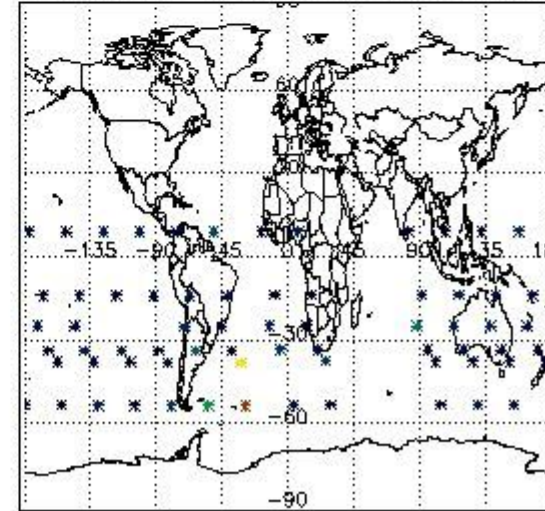
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

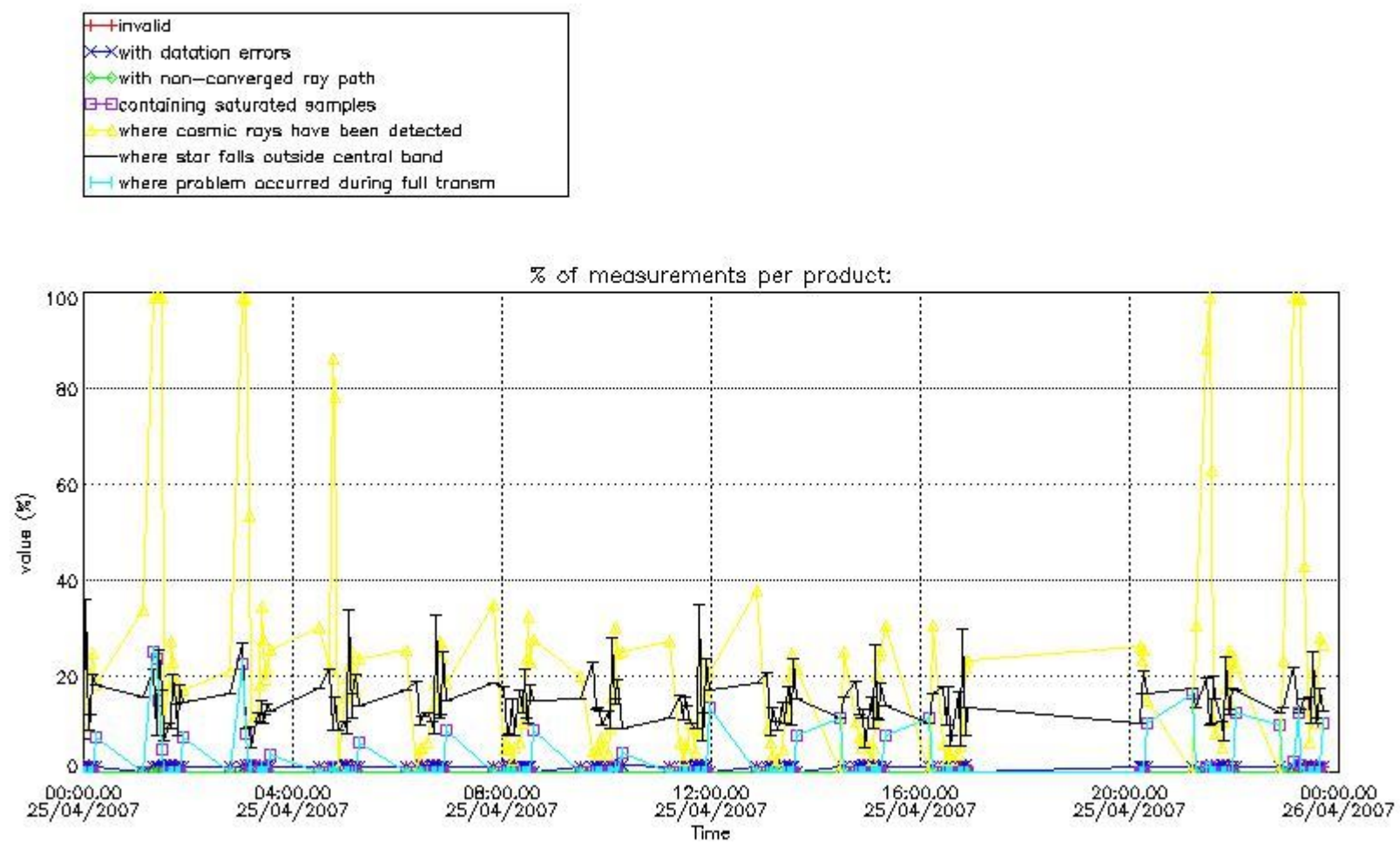


4. Level 1 quality information per product

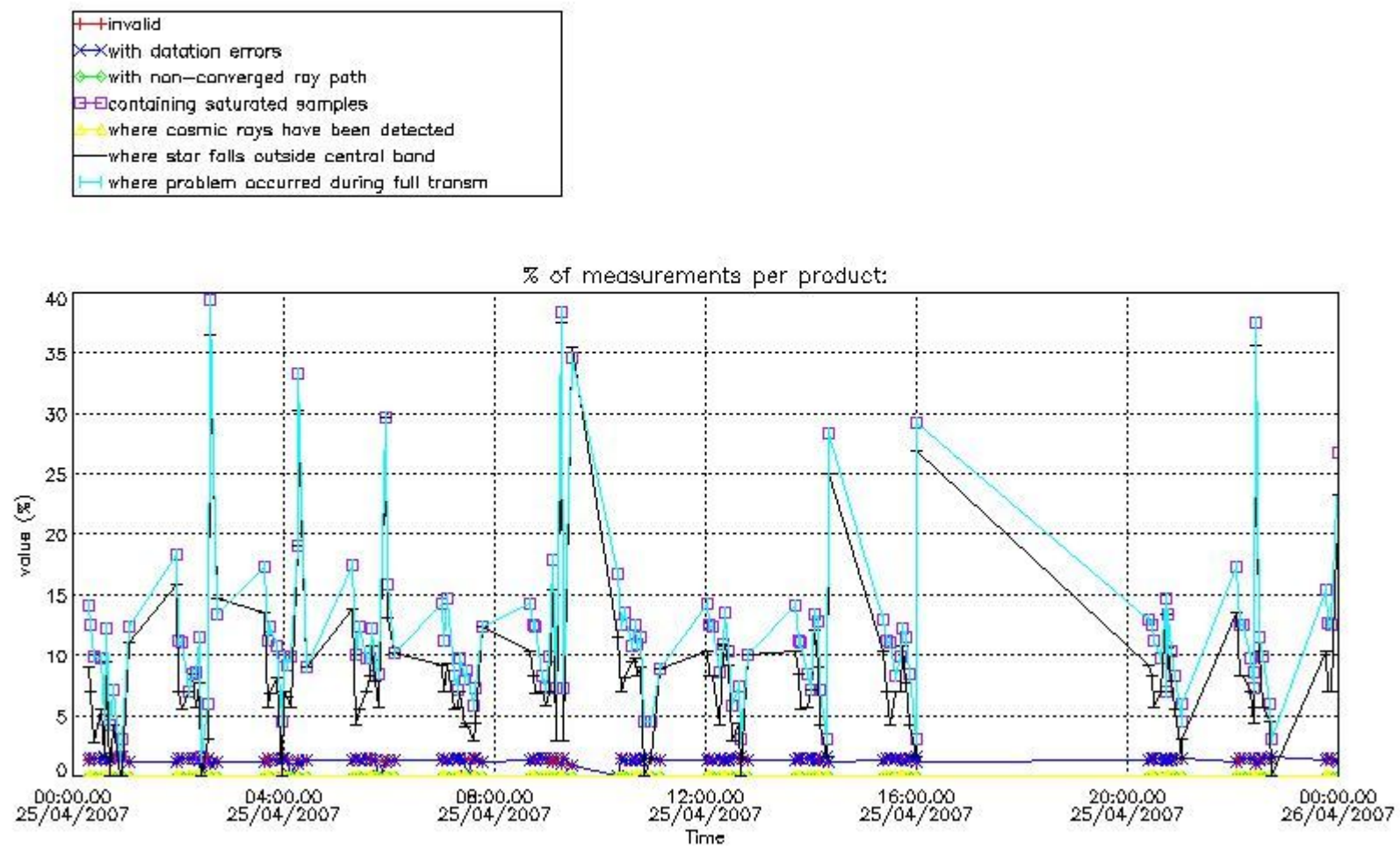
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



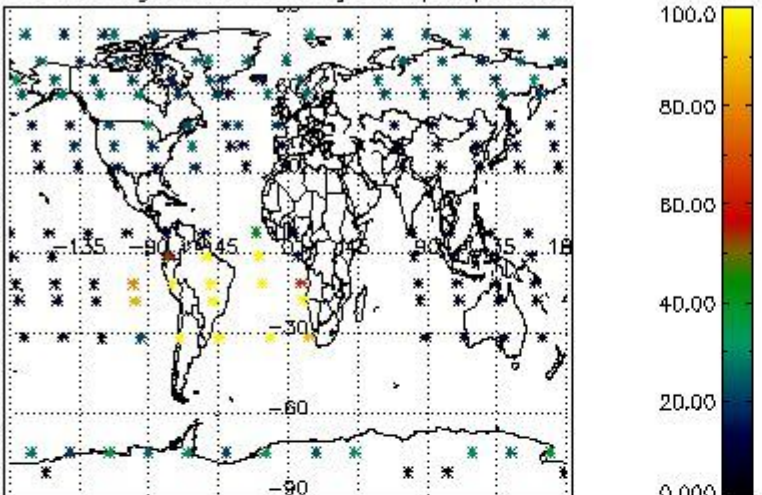
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



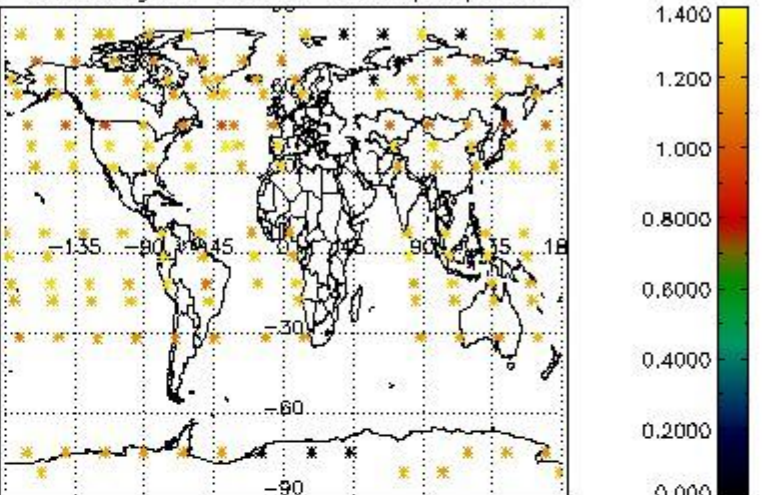
4.2 Plot quality information per product coming from level 1b processing (world map)

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

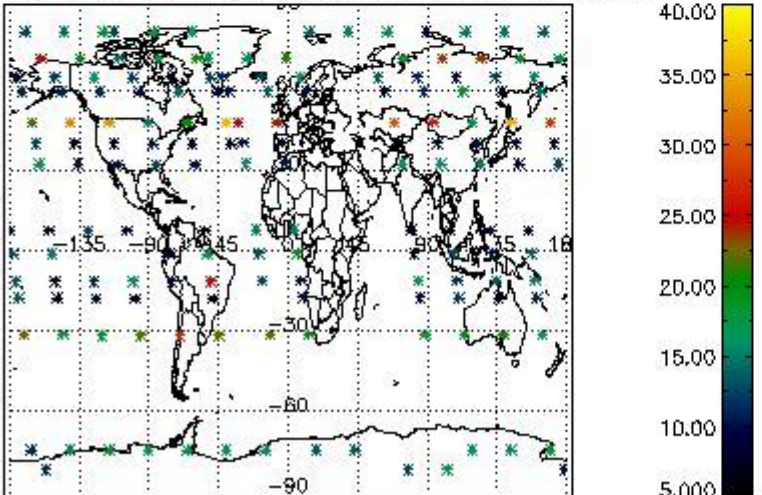
Percentage of cosmic ray hits per profile



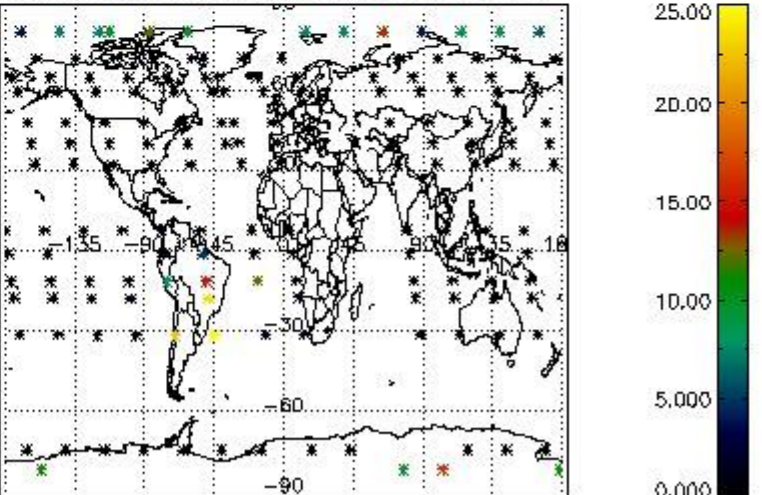
Percentage of datation errors per profile



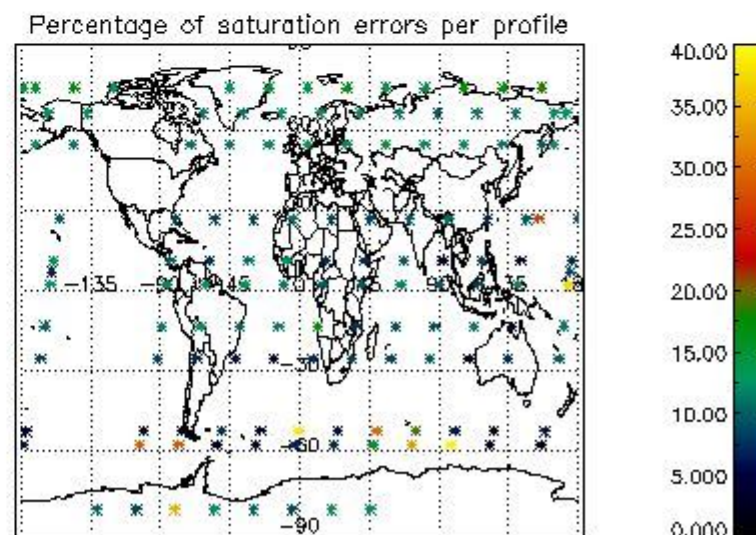
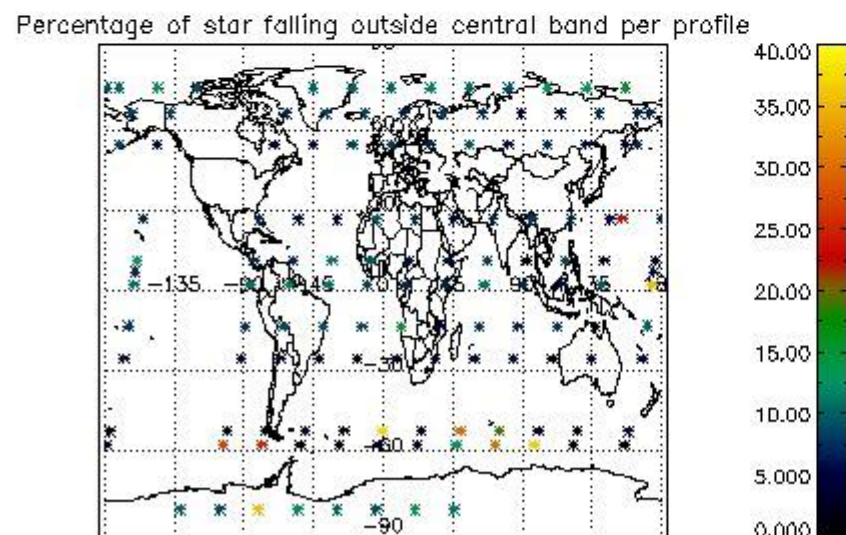
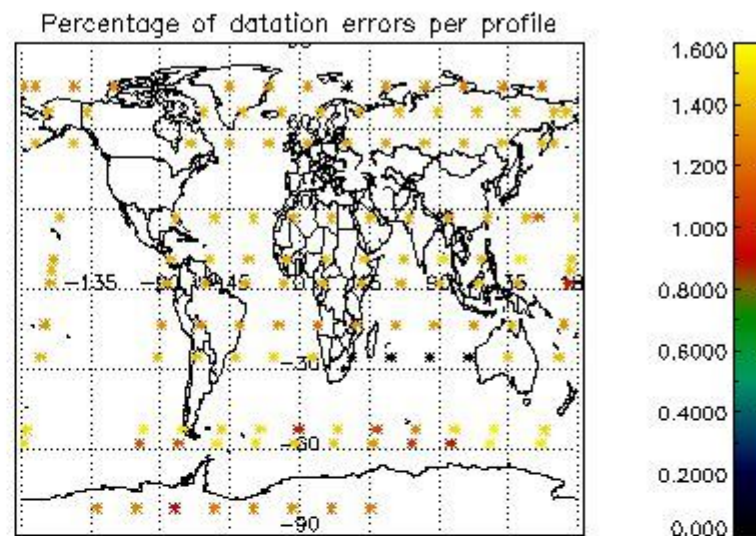
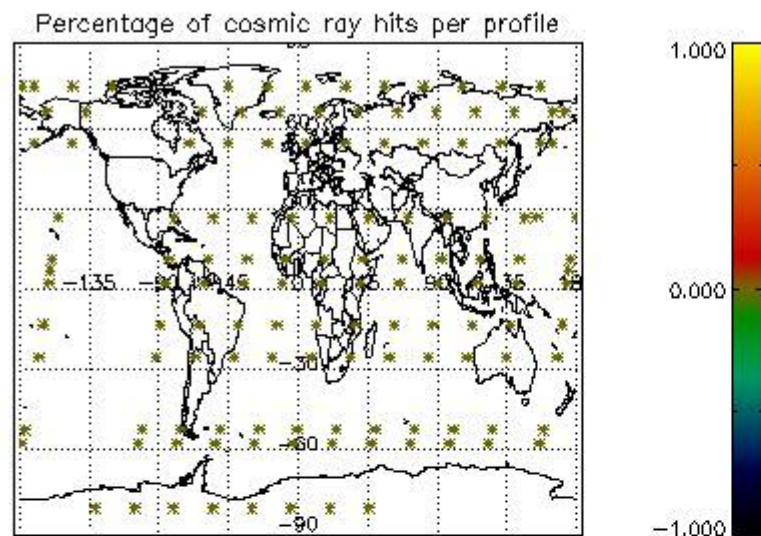
Percentage of star falling outside central band per profile



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

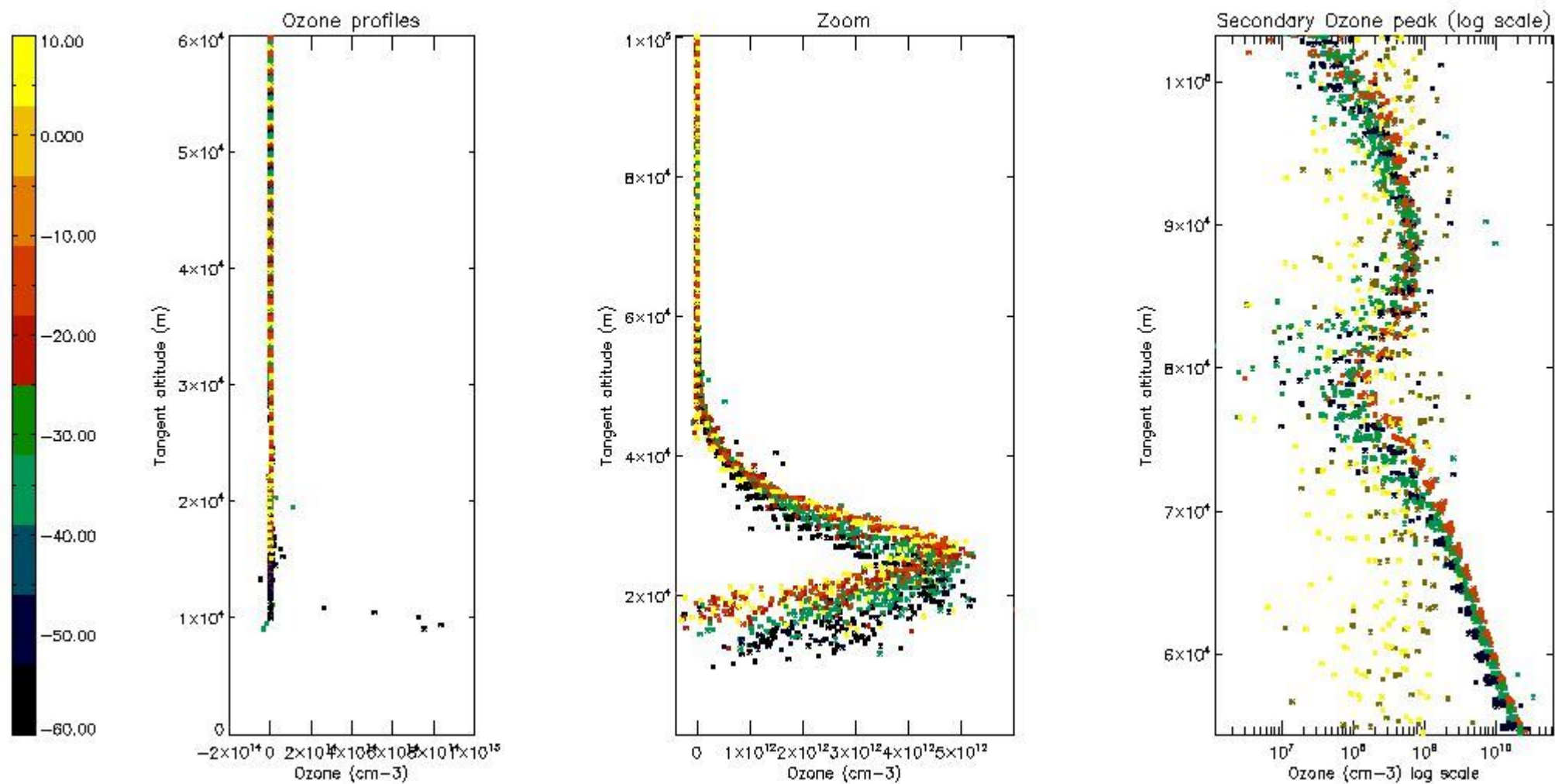
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	12

STD < 10	10
STD < 5	6

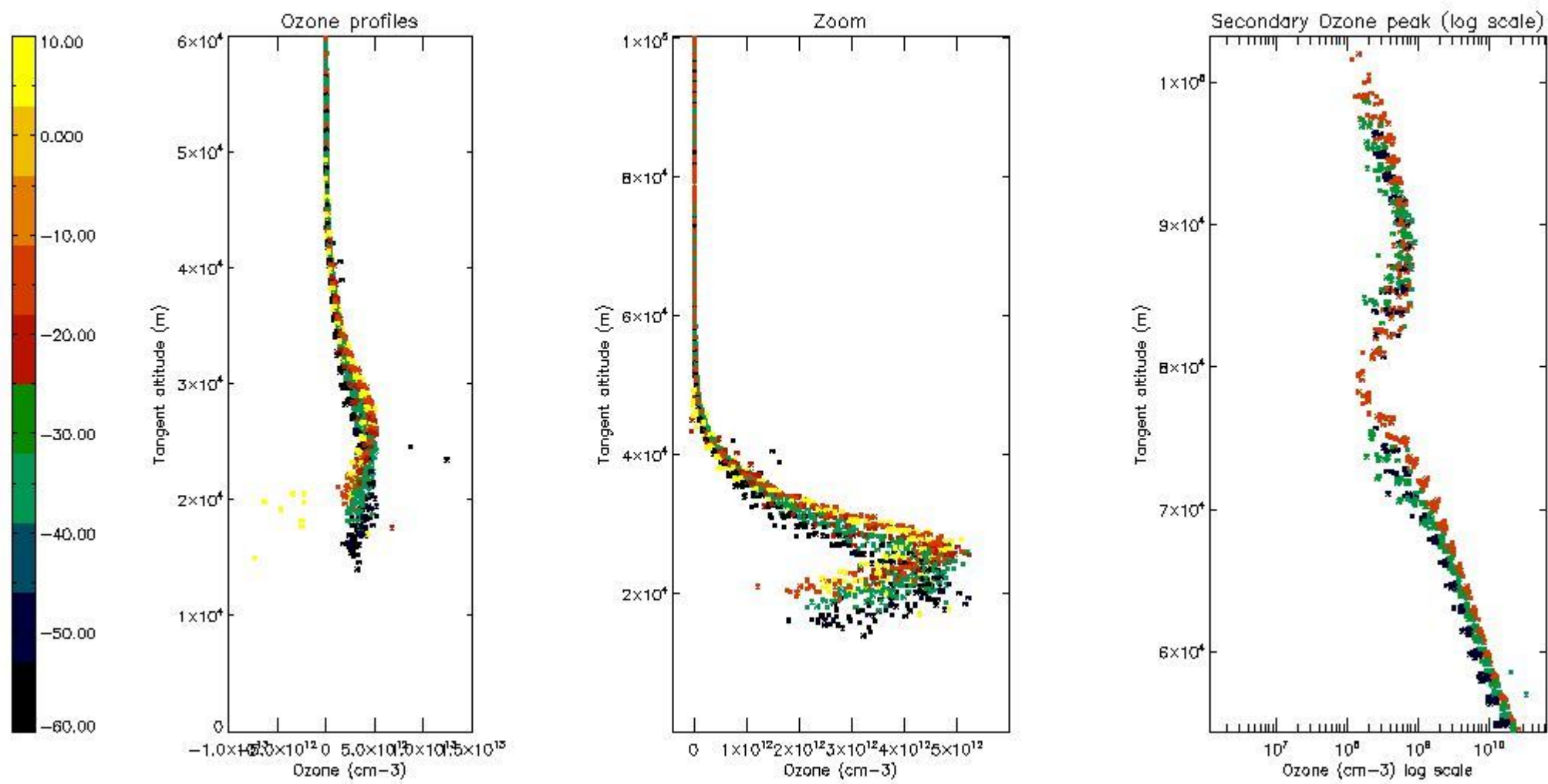
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



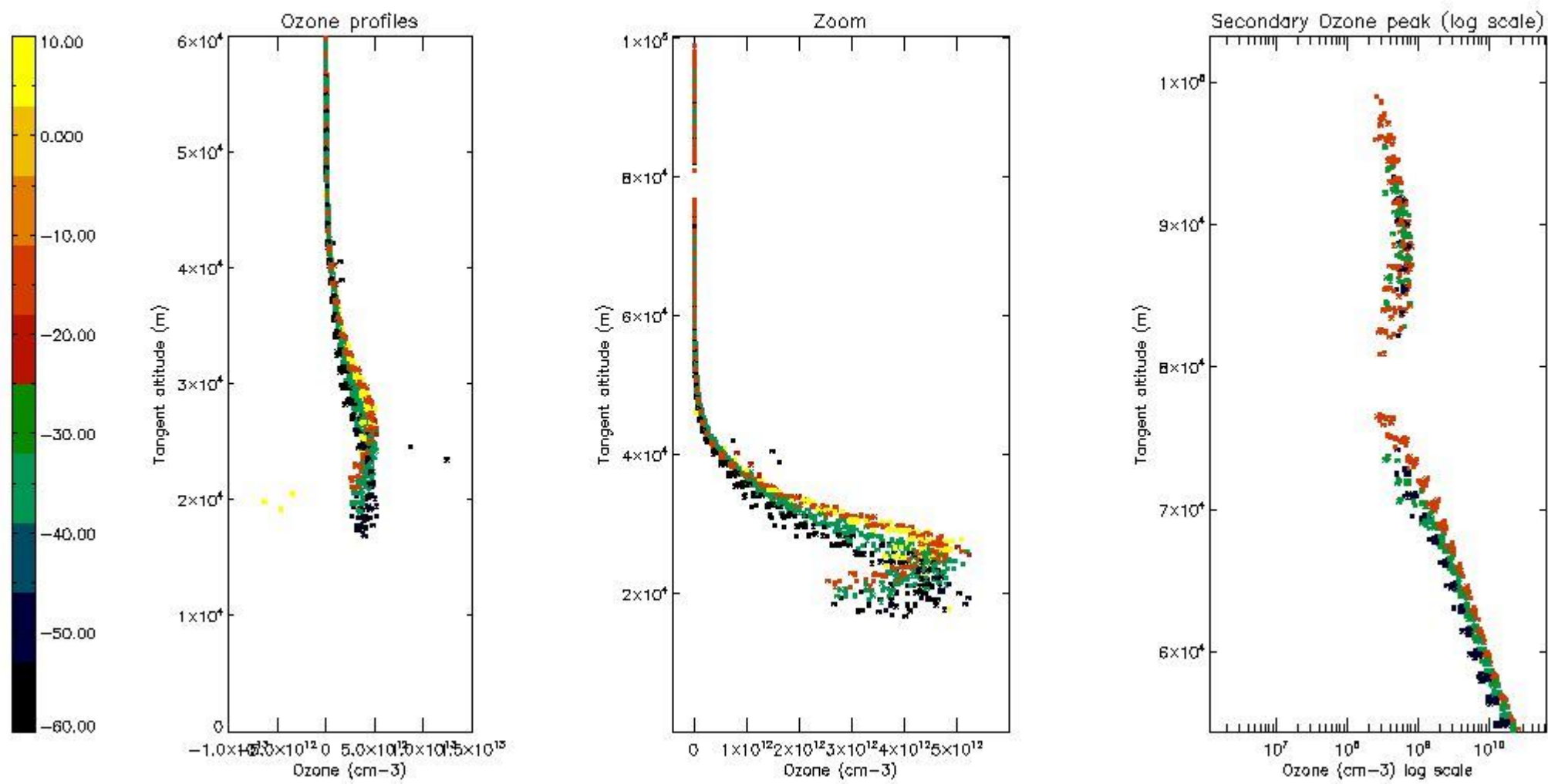
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



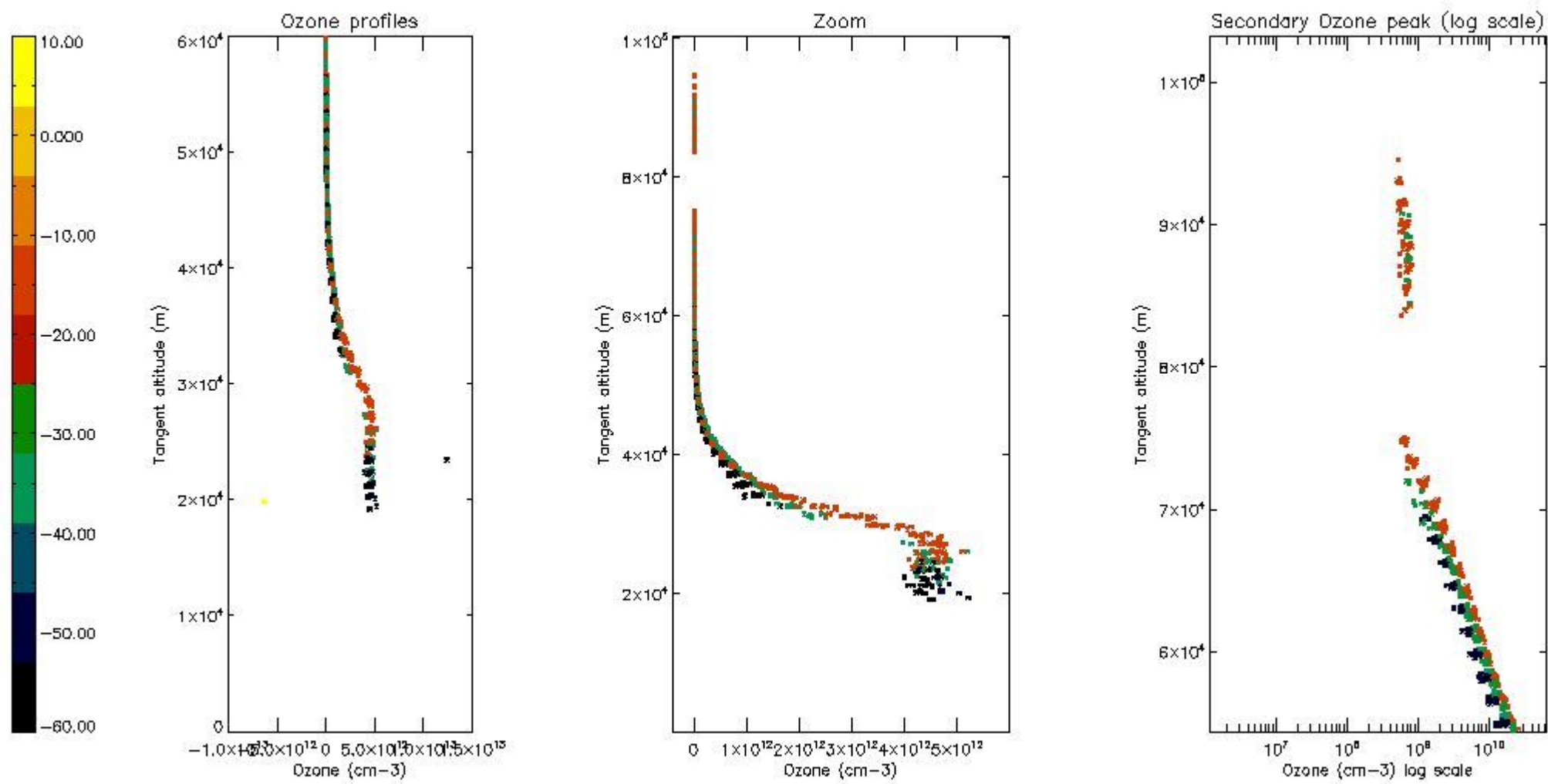
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



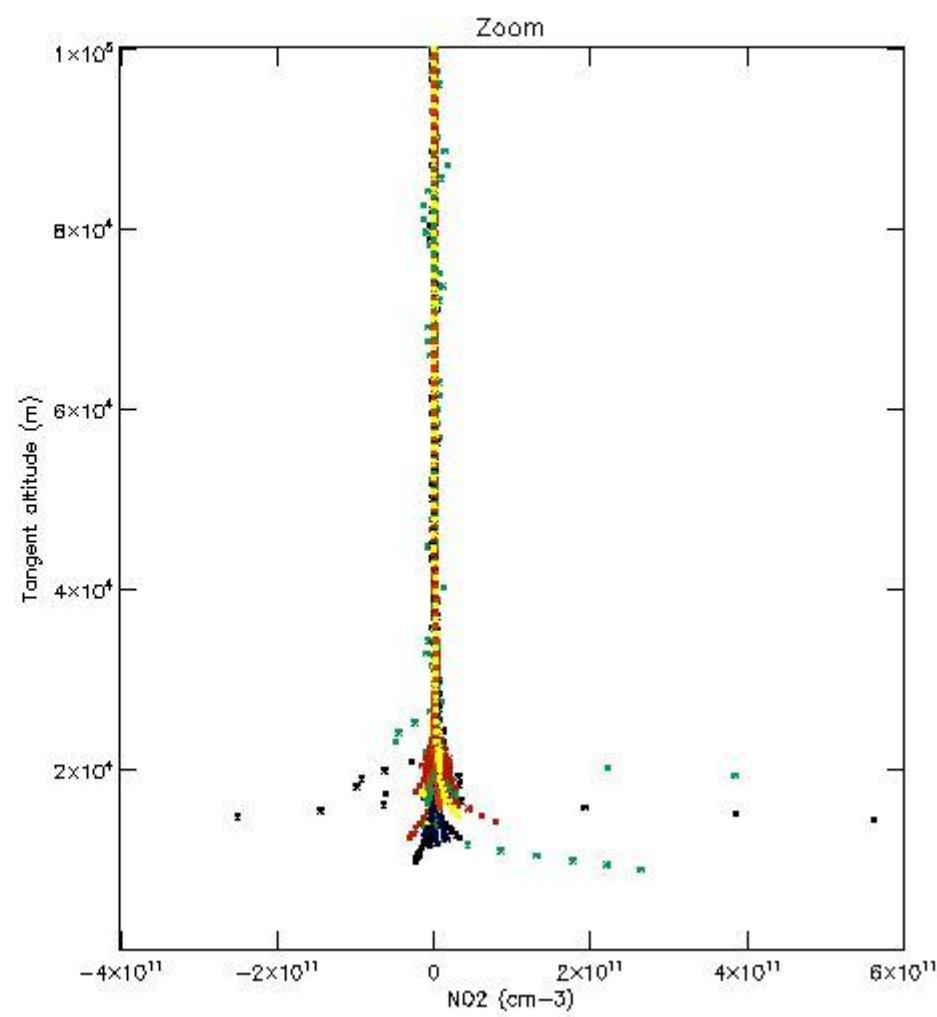
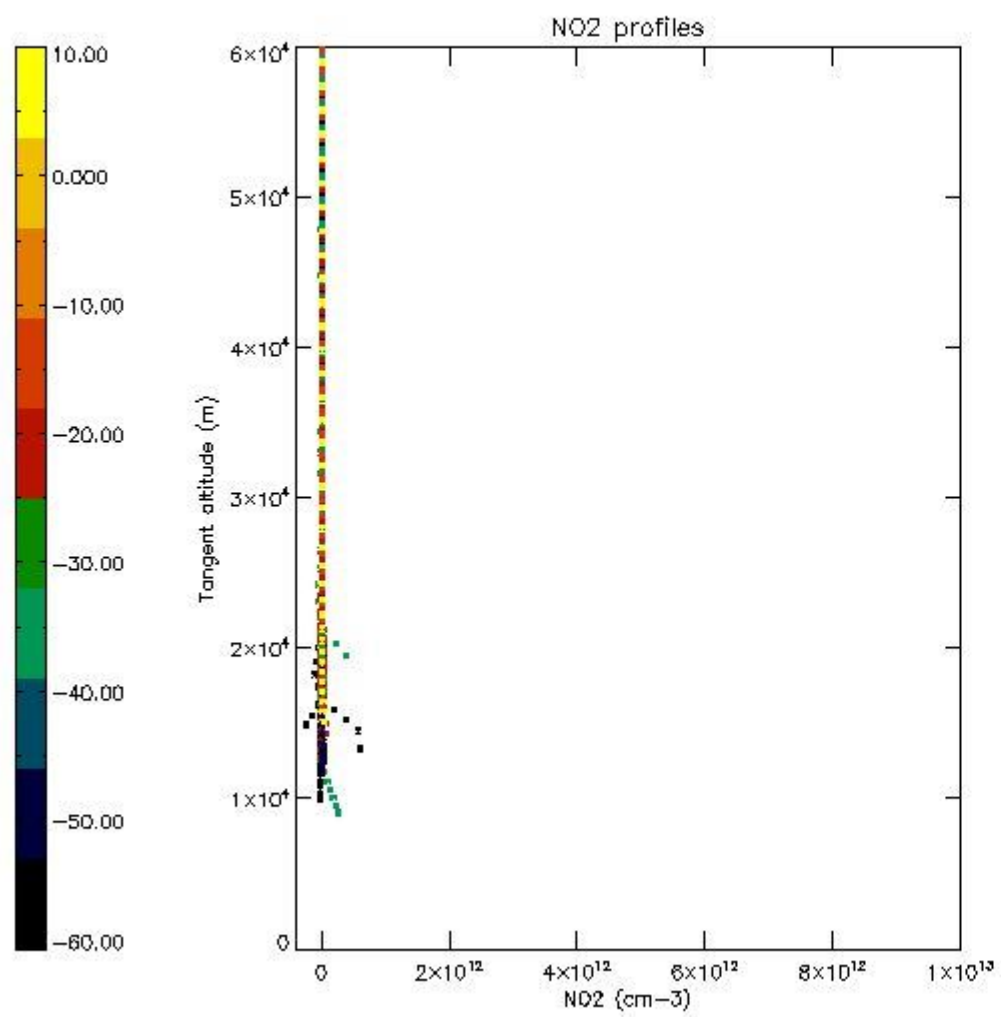
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



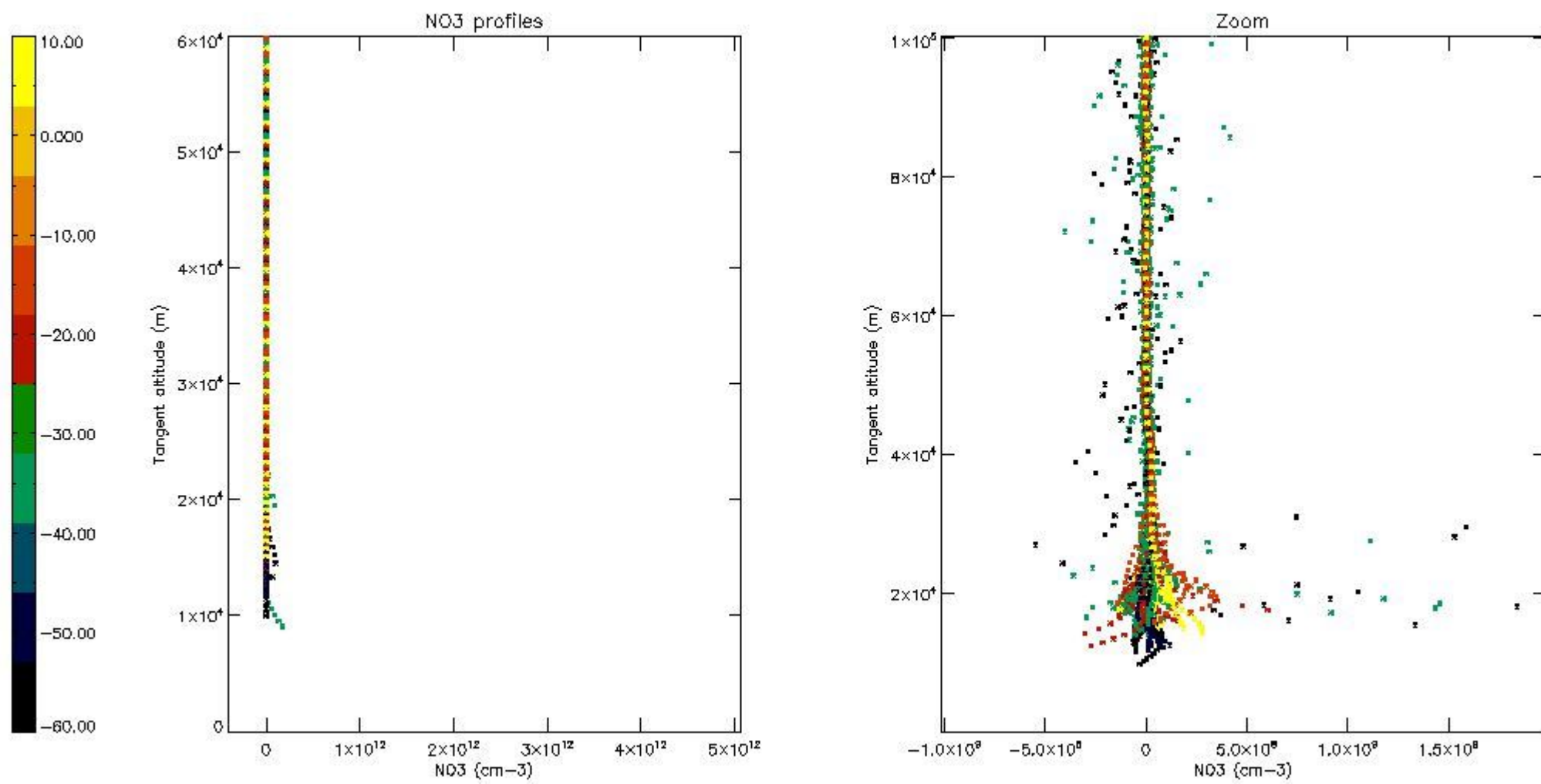
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



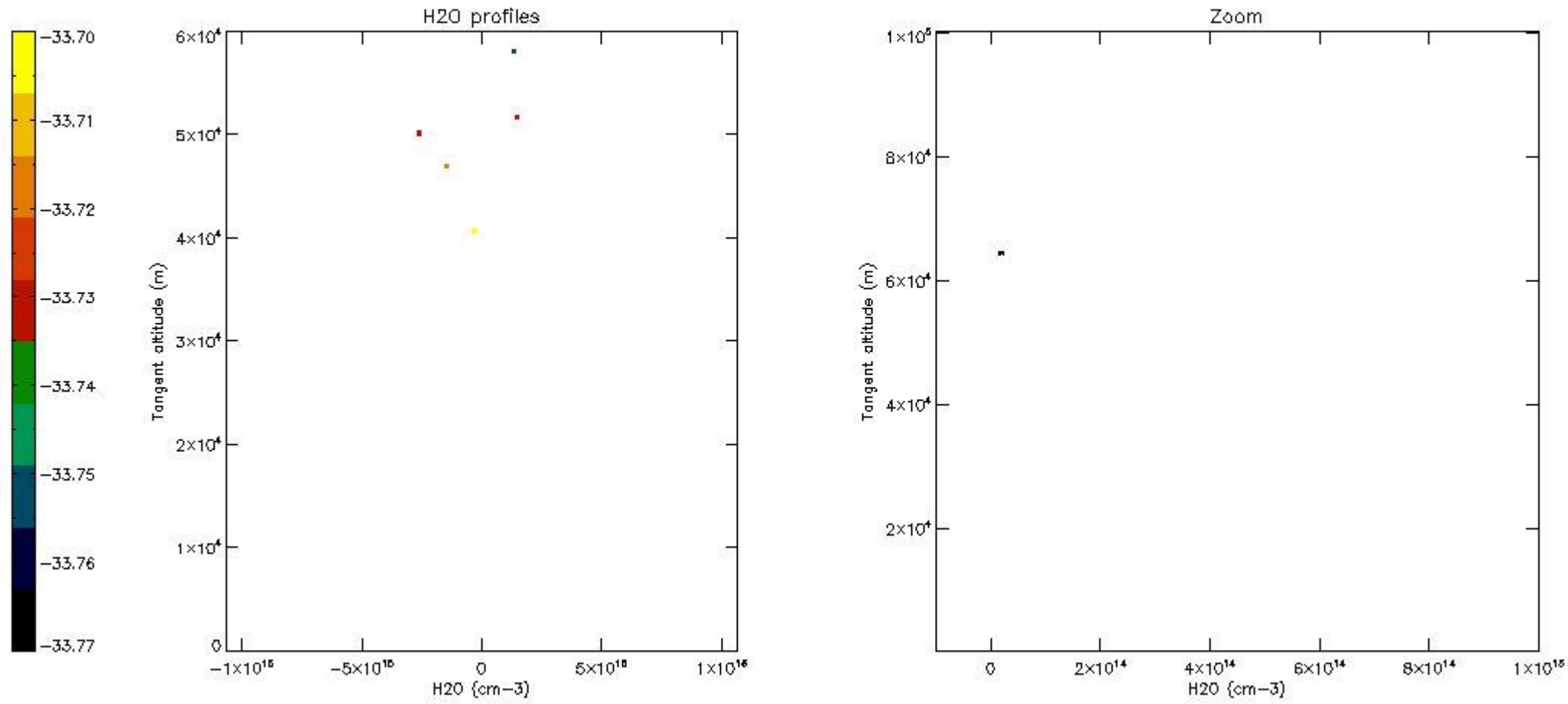
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

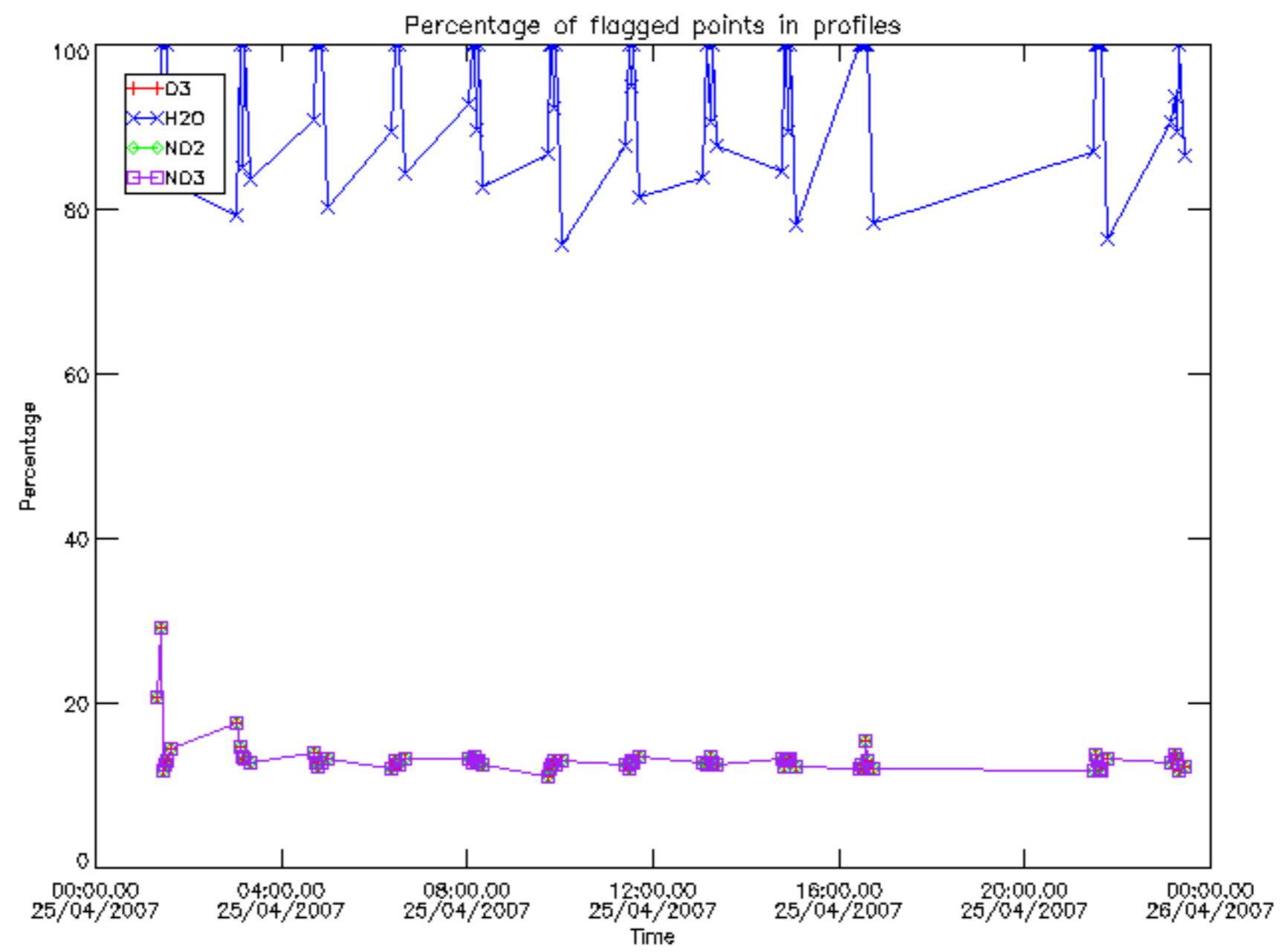
The colorbar represents the latitude.



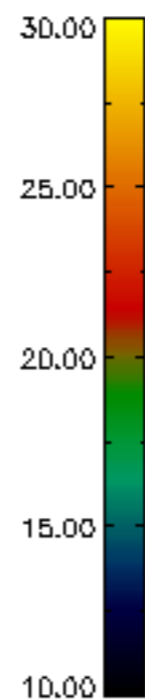
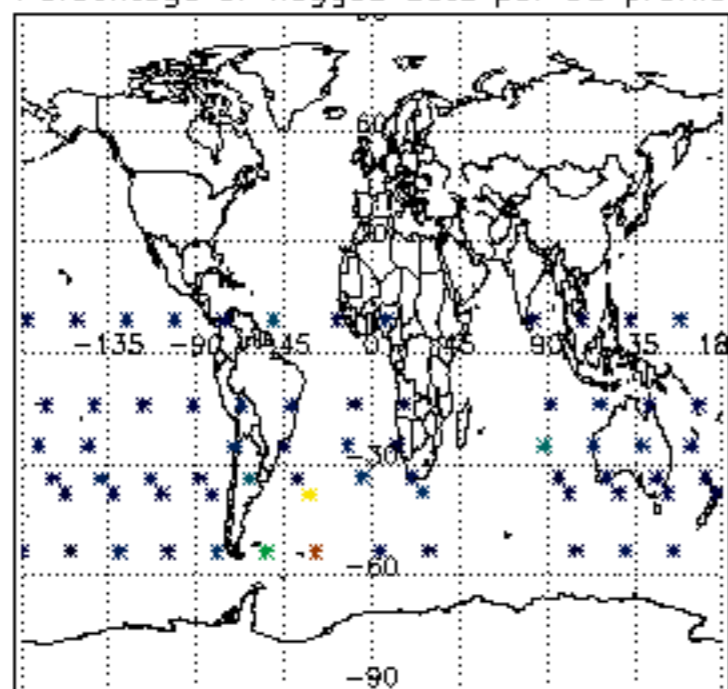
6. Auxiliary Data Files used for the production reported in section 2

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.

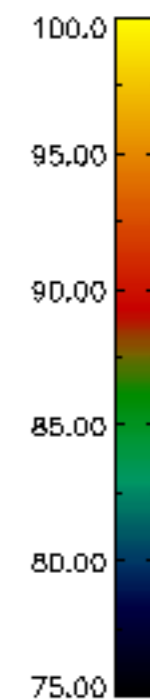
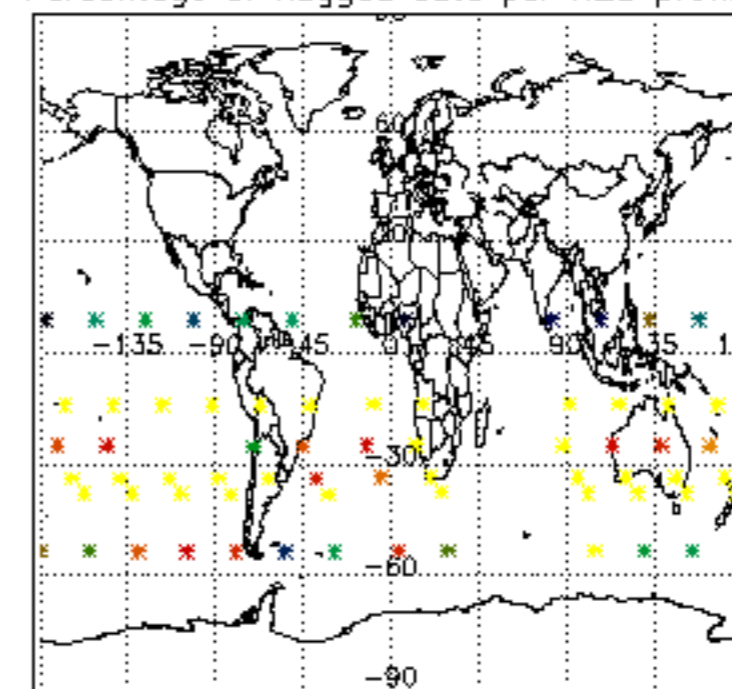
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-APR-2007 00:00:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-APR-2007 00:00:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-APR-2007 00:00:00



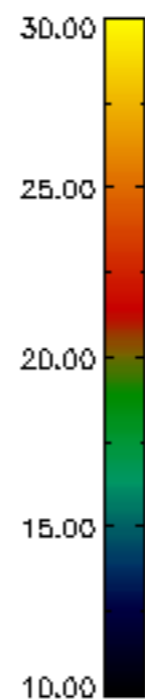
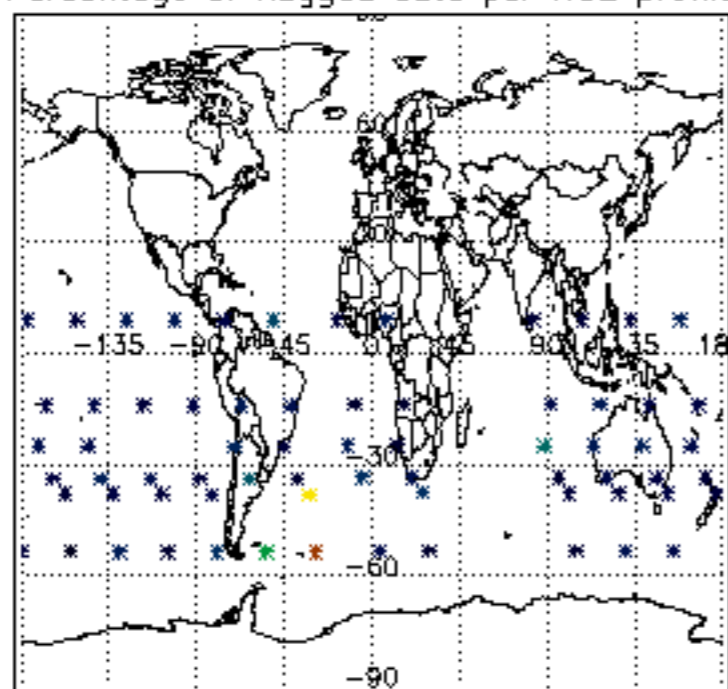
Percentage of flagged data per D3 profile



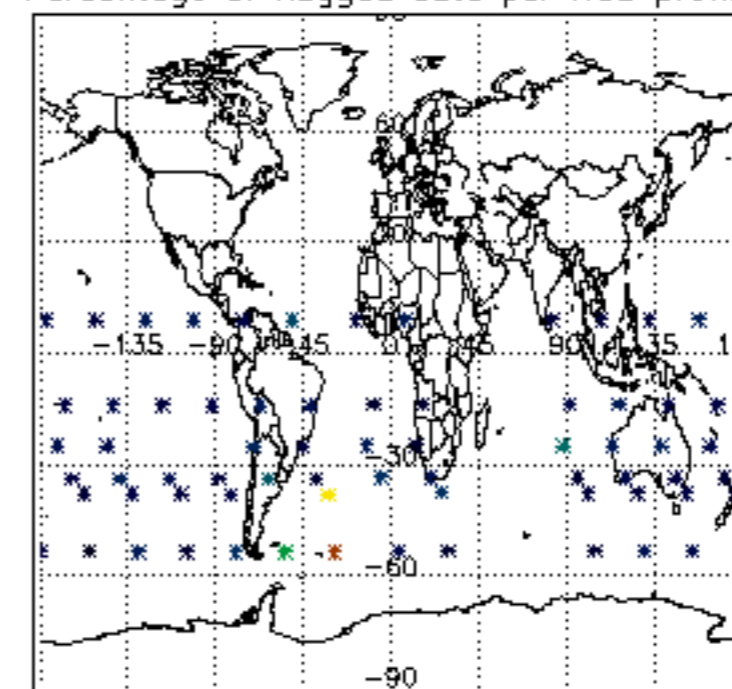
Percentage of flagged data per H2O profile

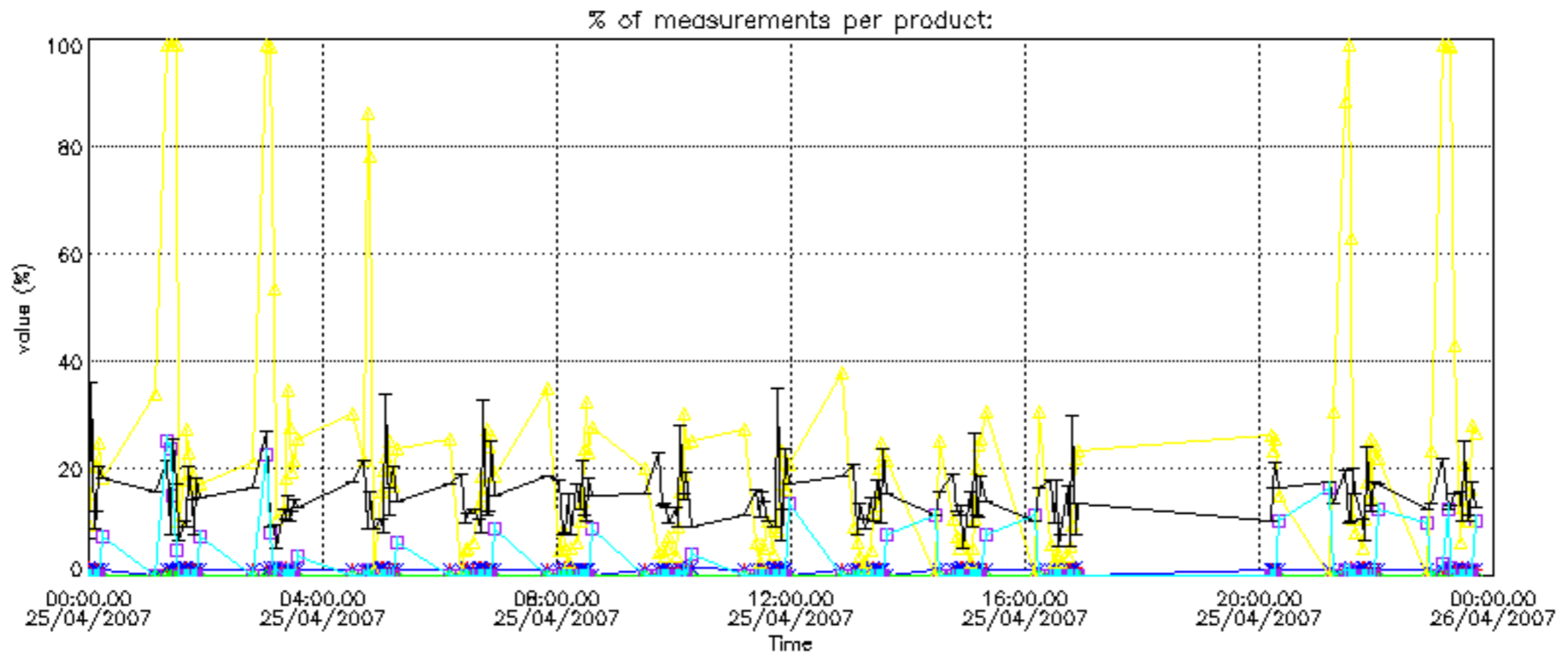


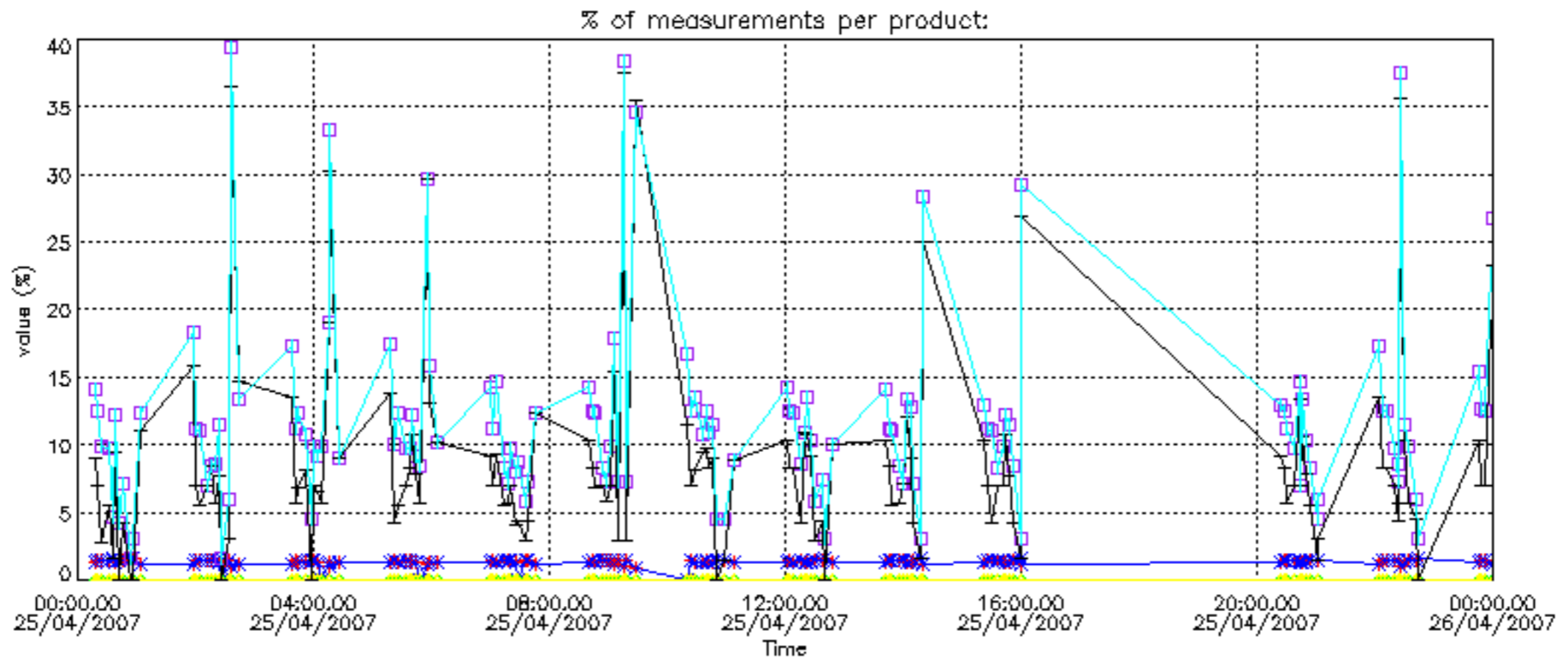
Percentage of flagged data per NO2 profile



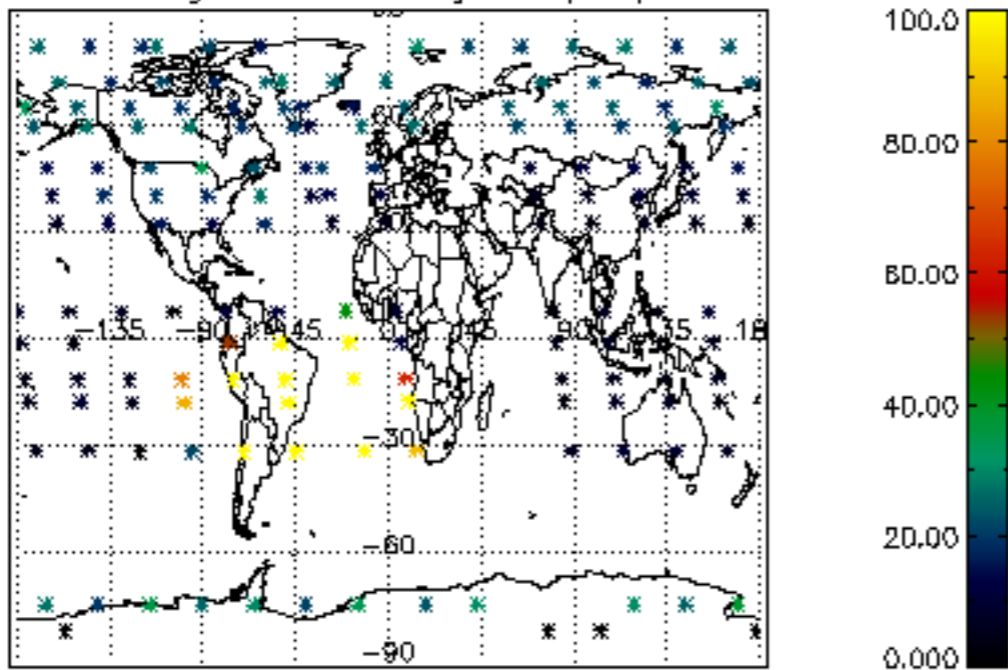
Percentage of flagged data per NO3 profile



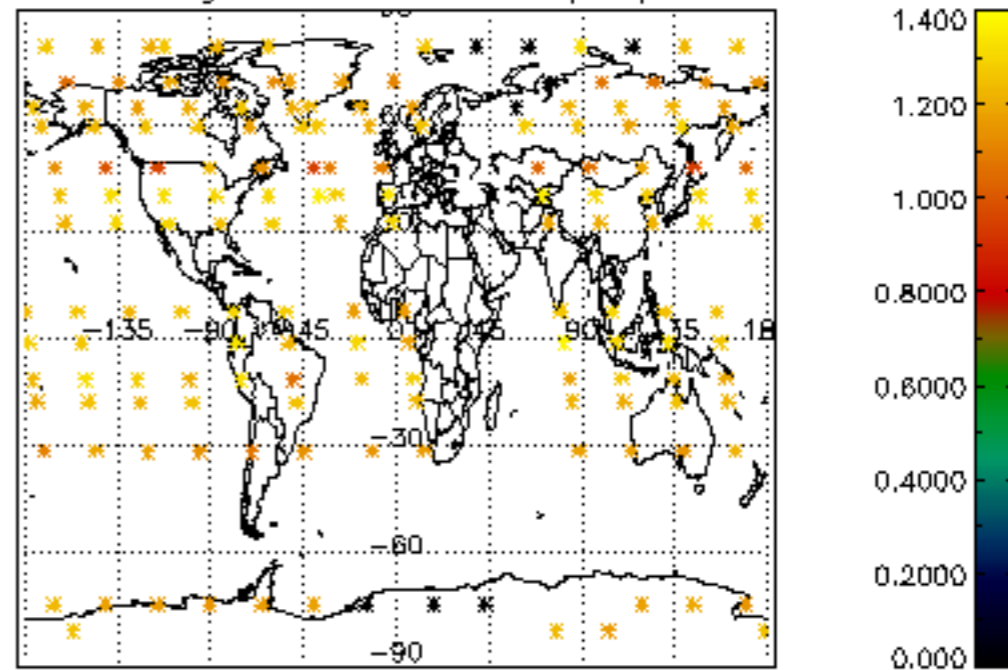




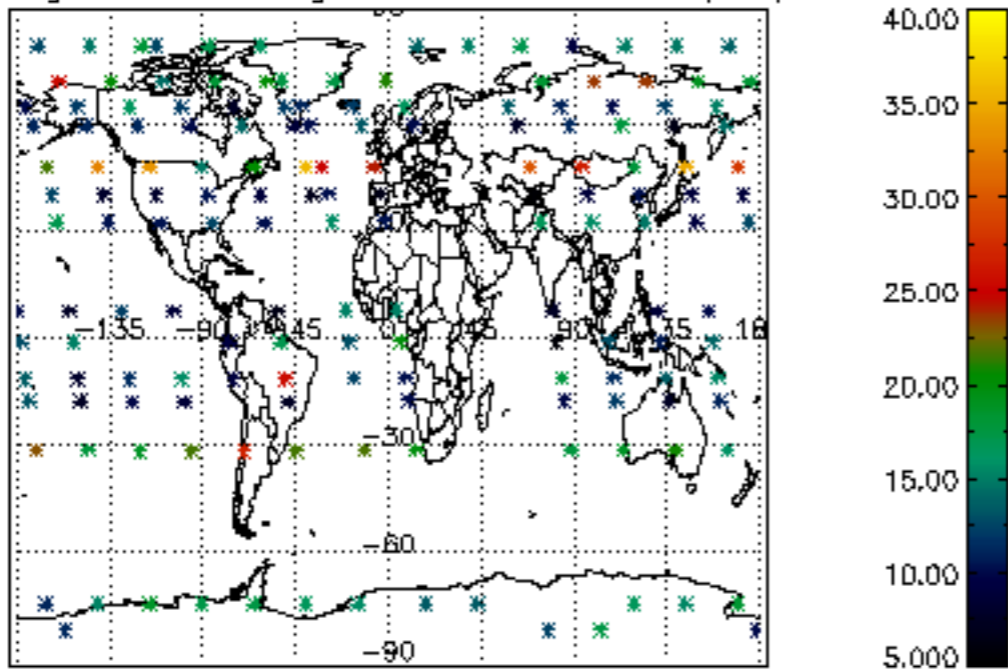
Percentage of cosmic ray hits per profile



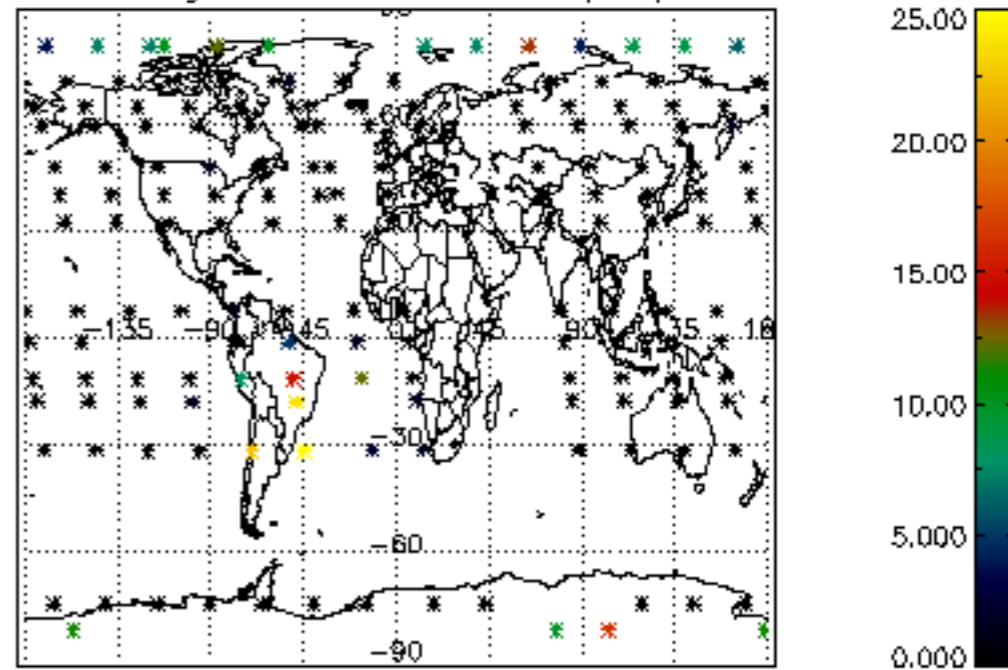
Percentage of datation errors per profile



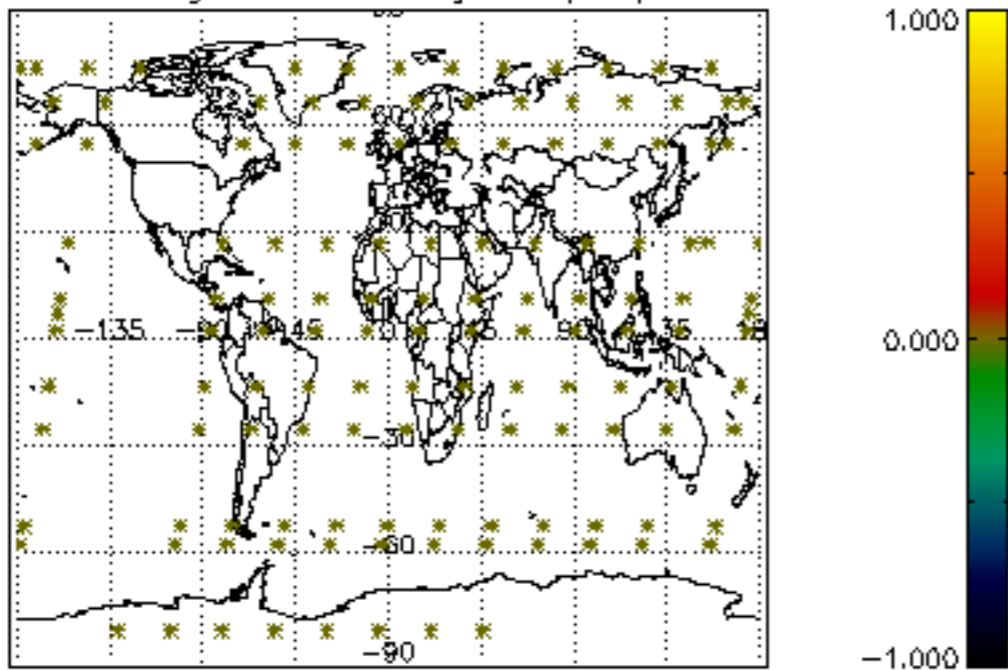
Percentage of star falling outside central band per profile



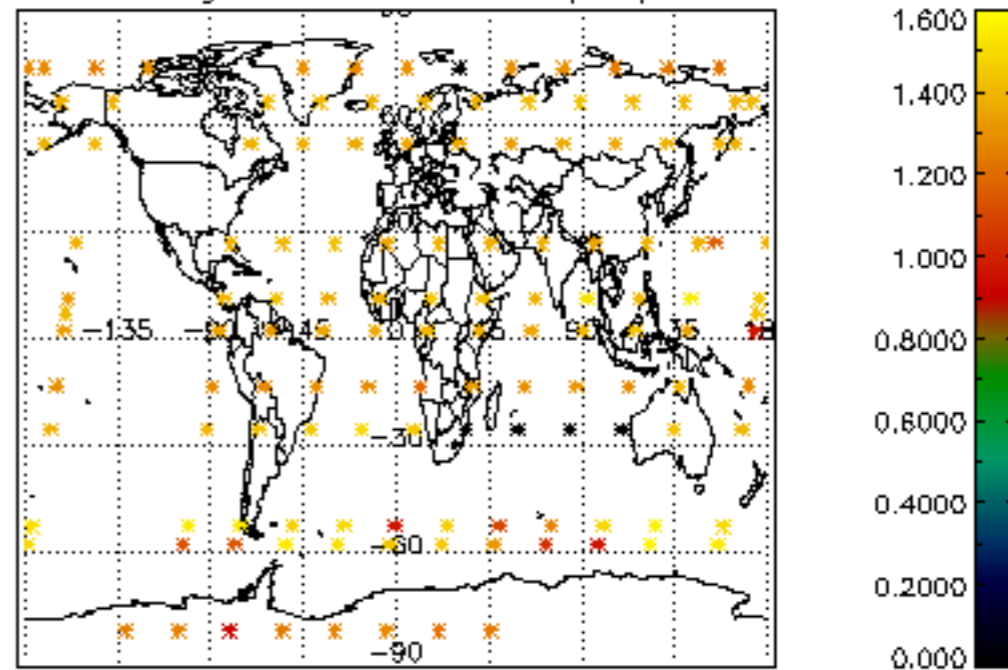
Percentage of saturation errors per profile



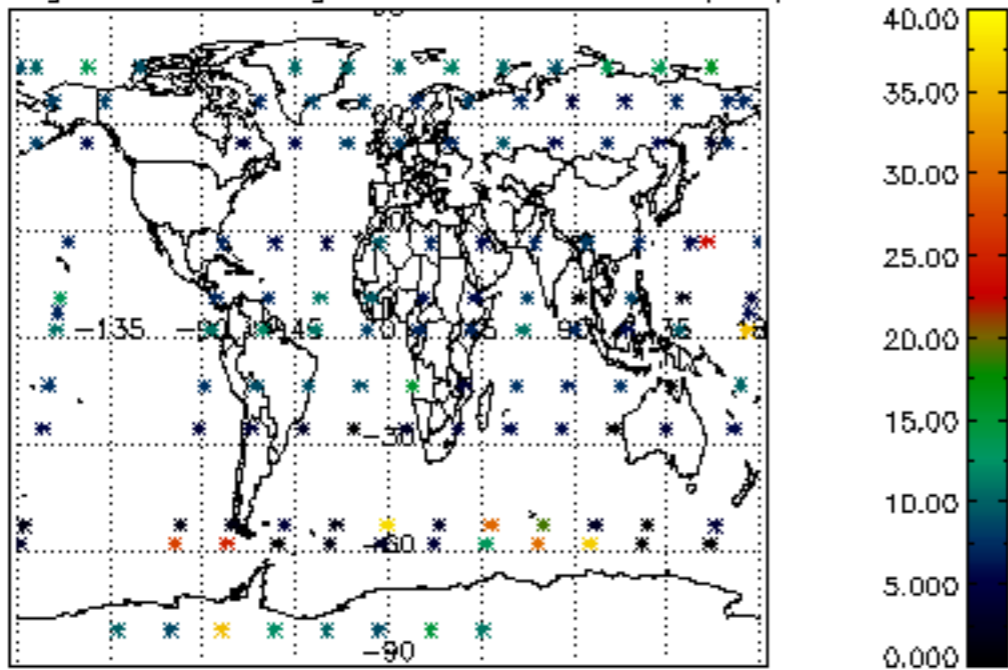
Percentage of cosmic ray hits per profile



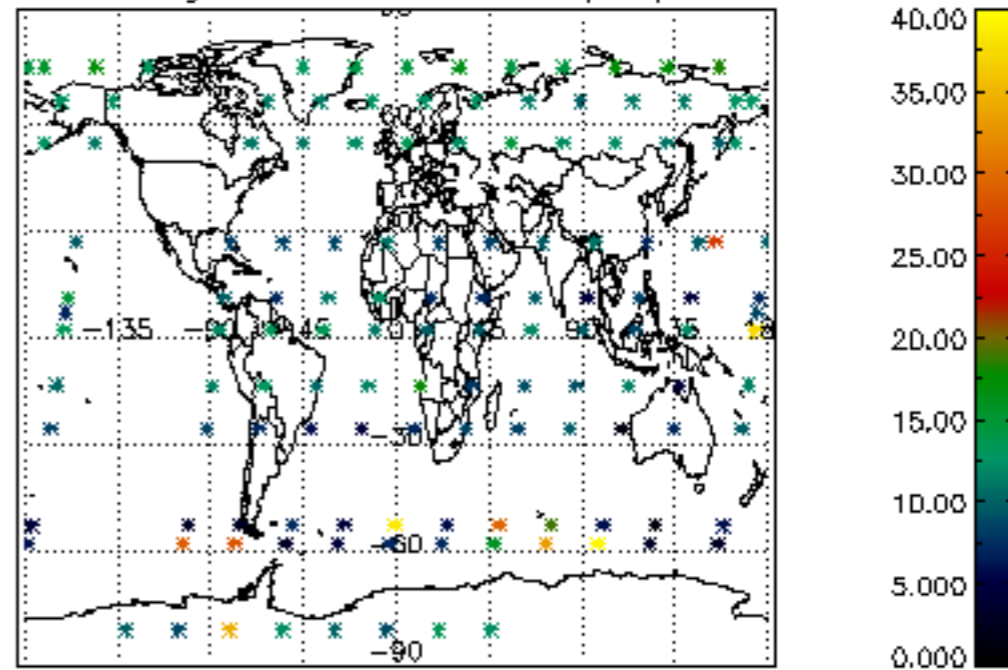
Percentage of datation errors per profile

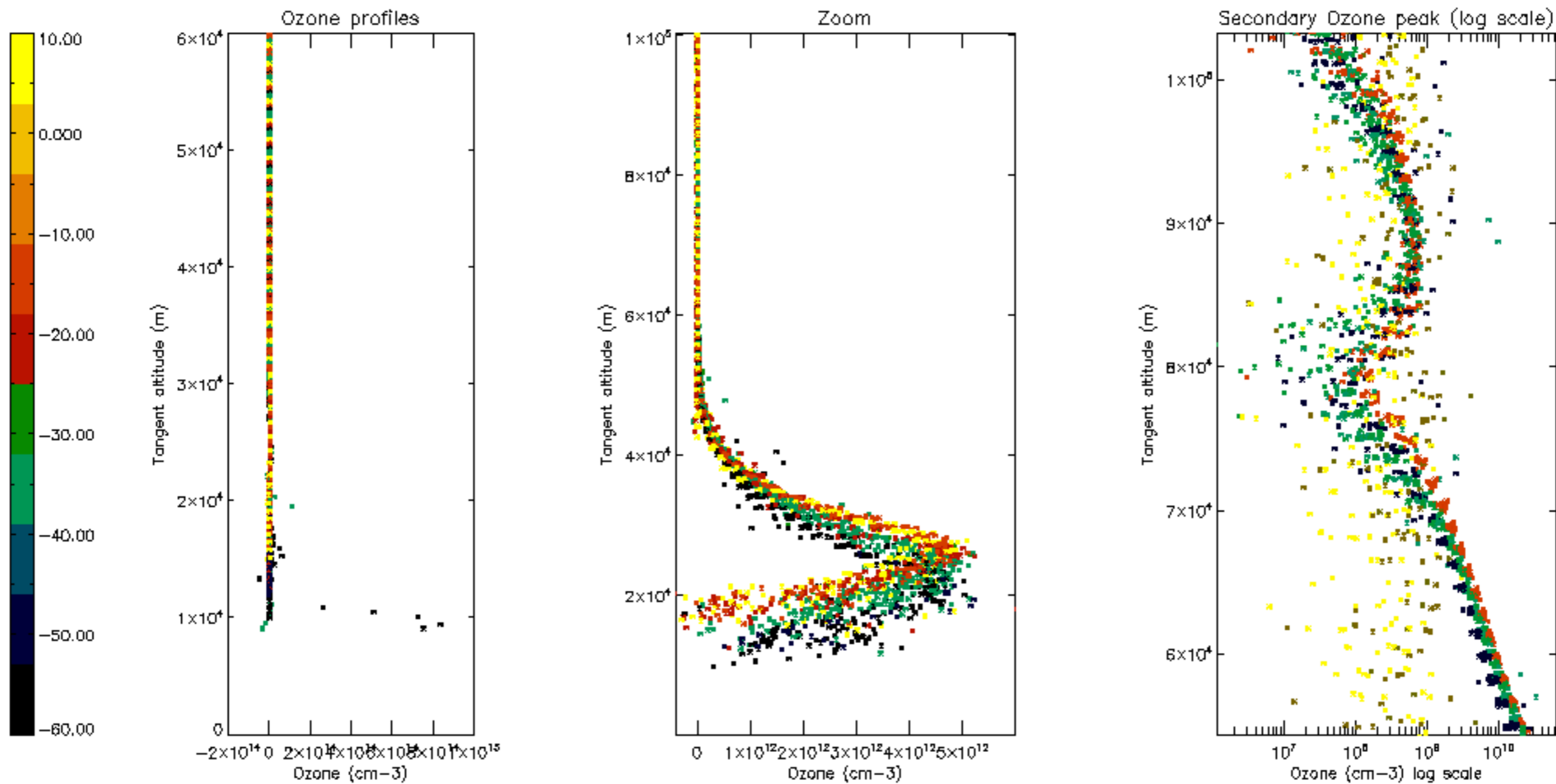


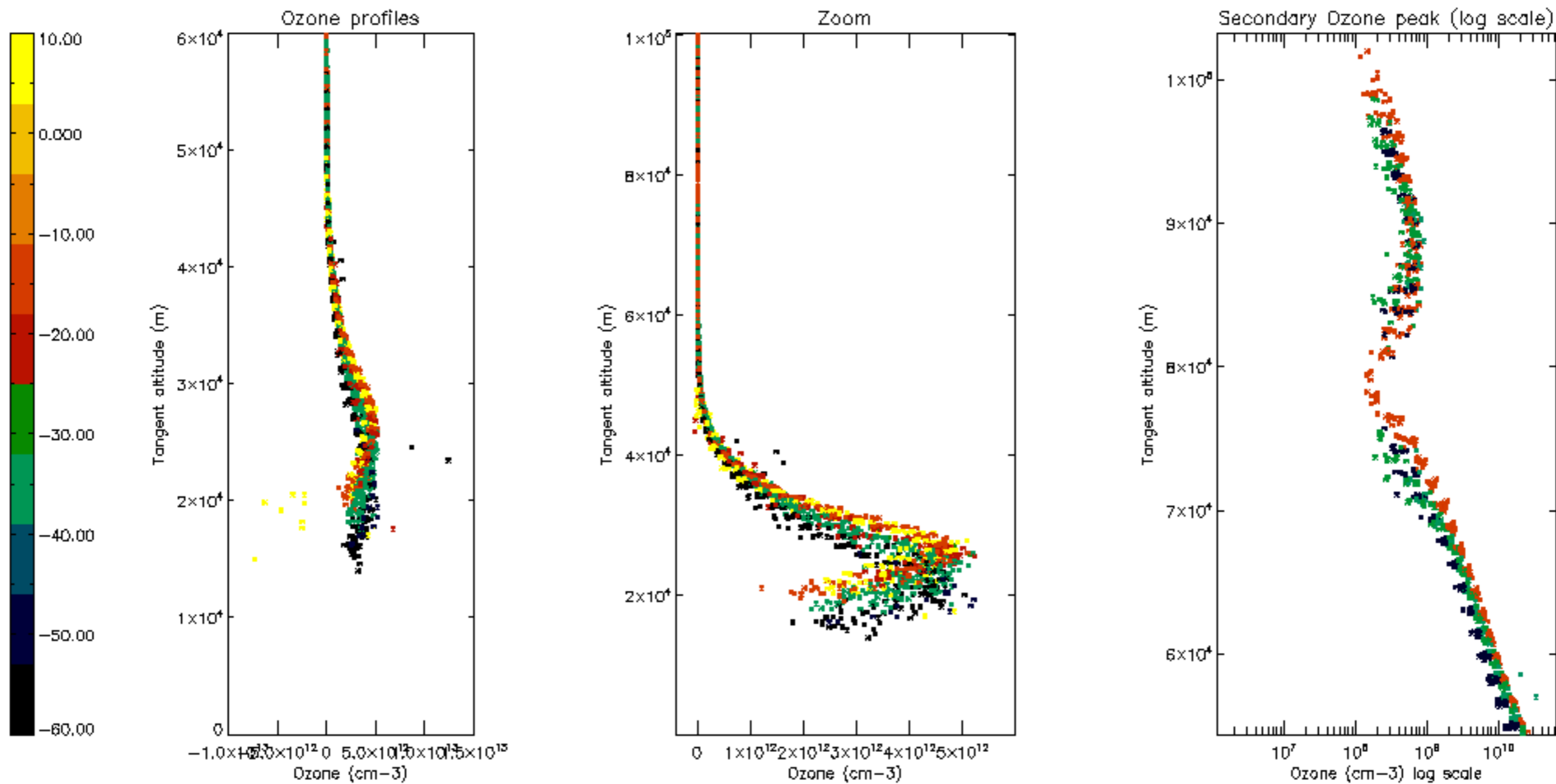
Percentage of star falling outside central band per profile

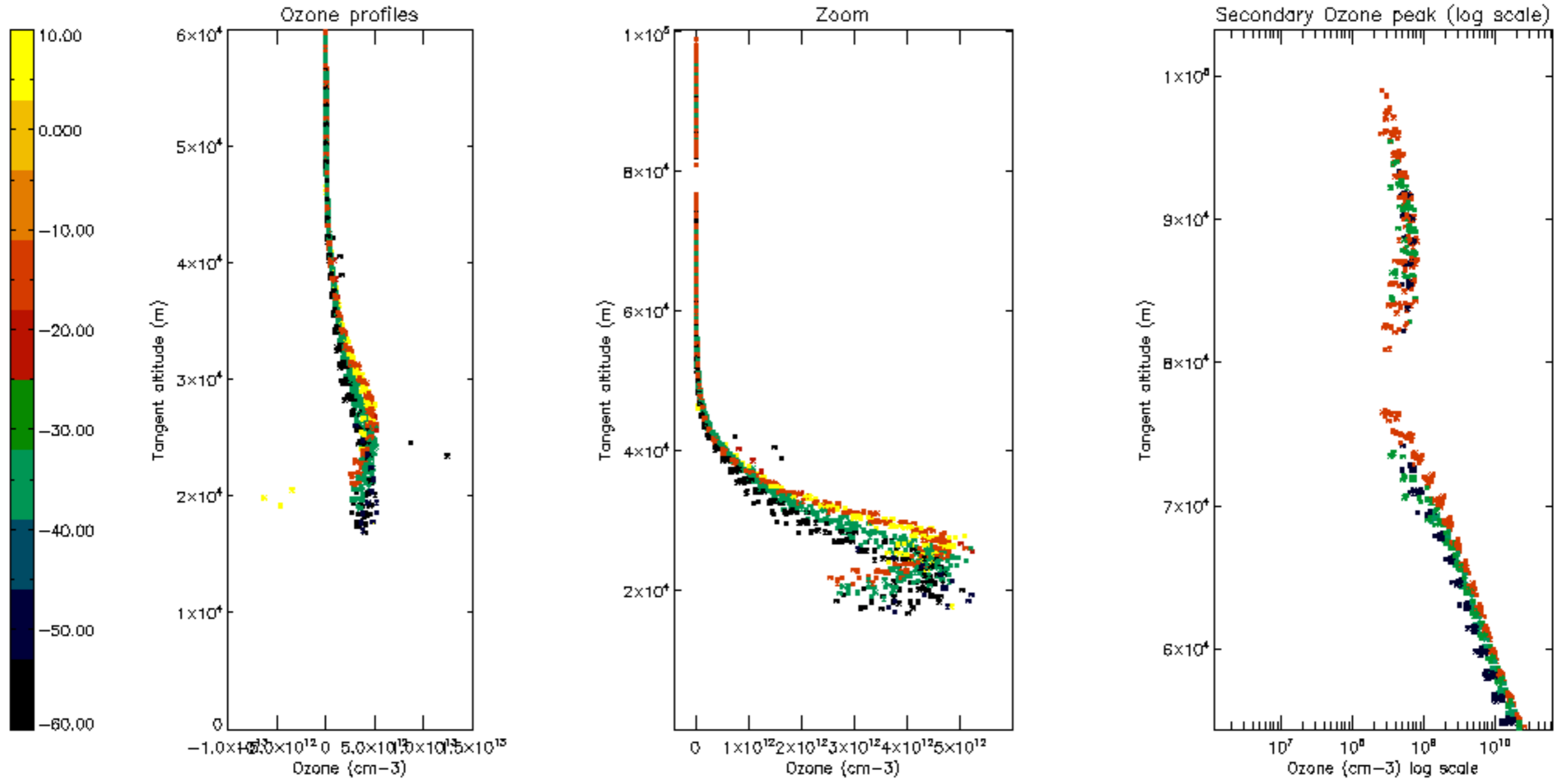


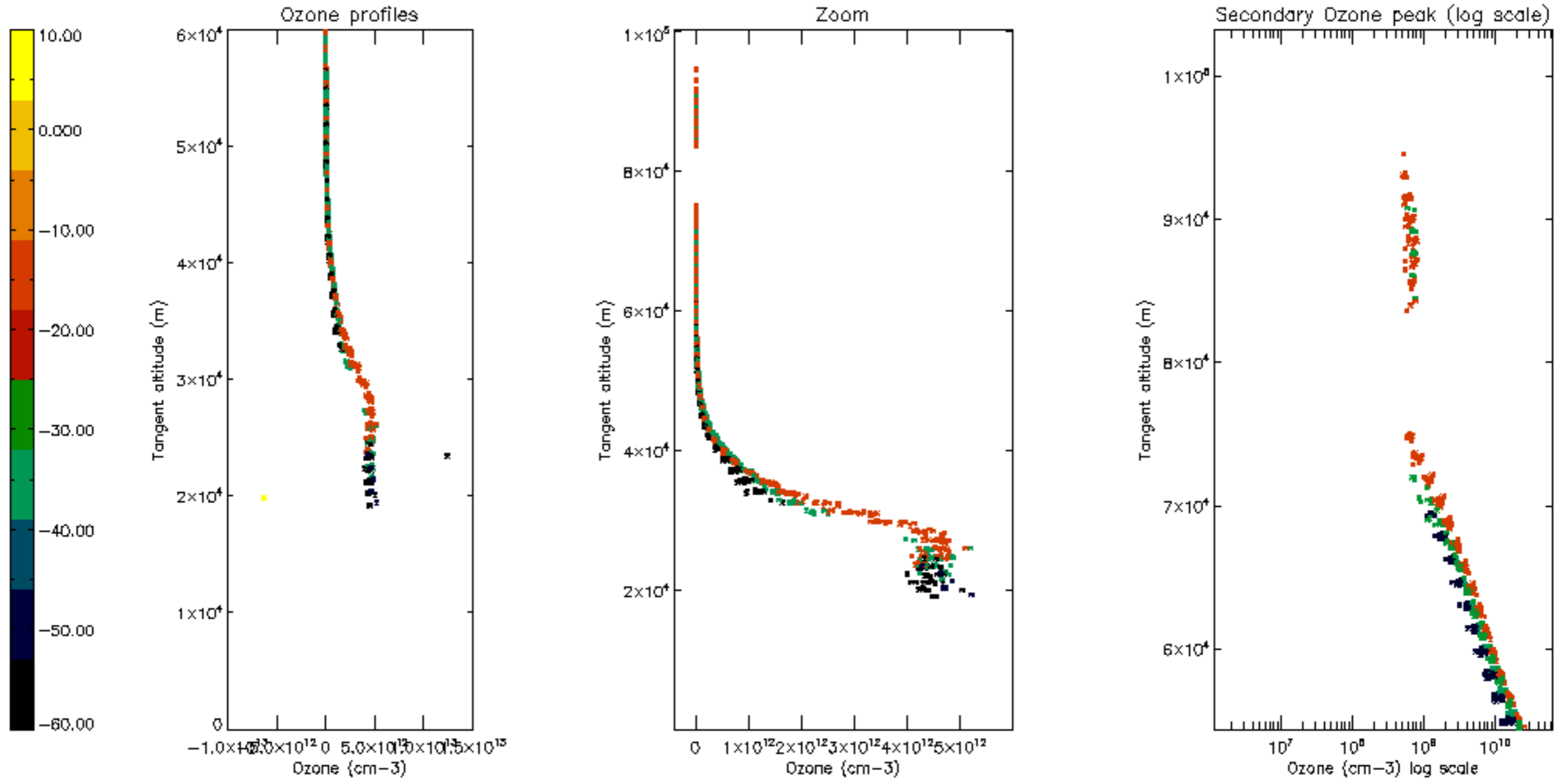
Percentage of saturation errors per profile

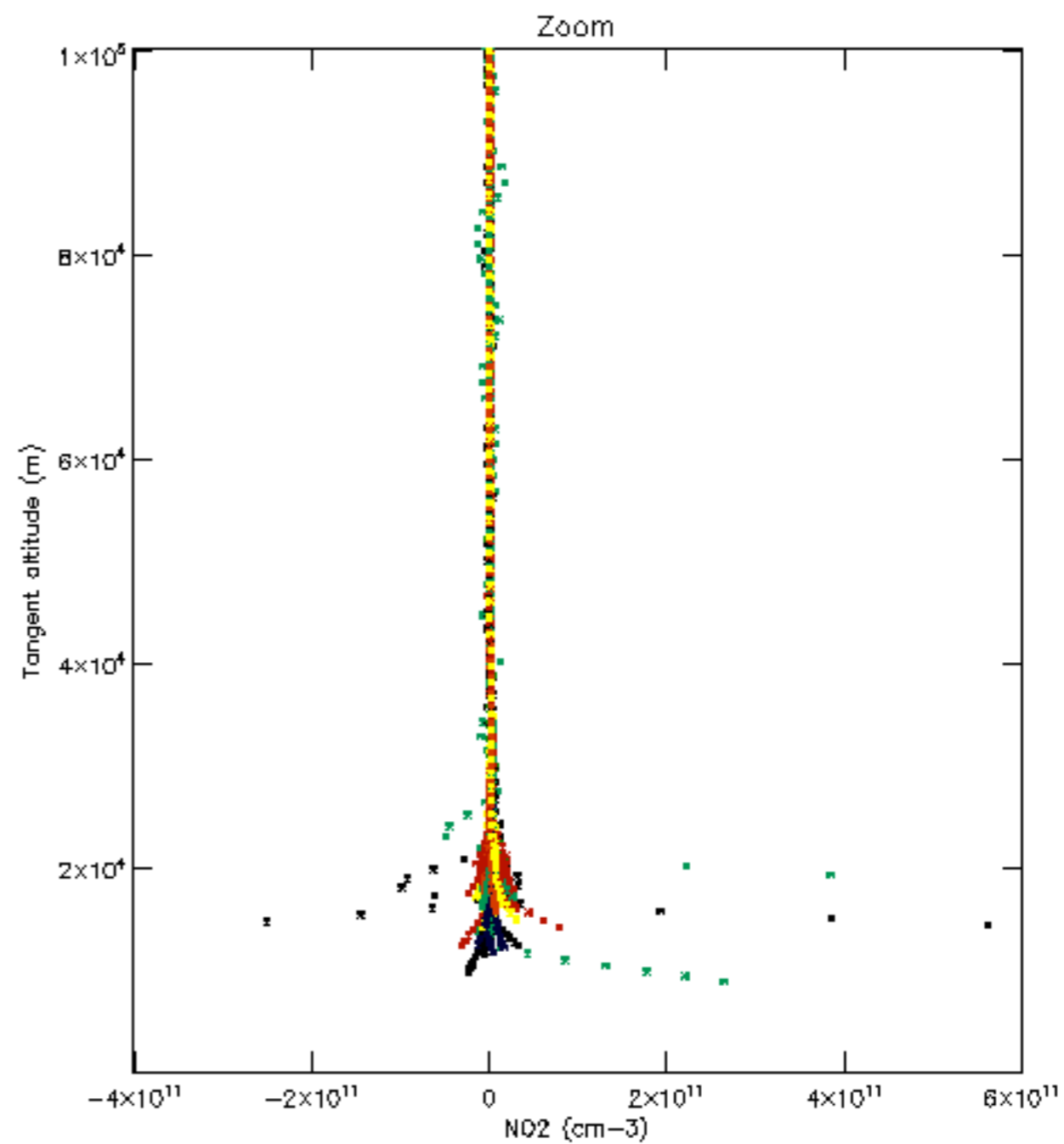
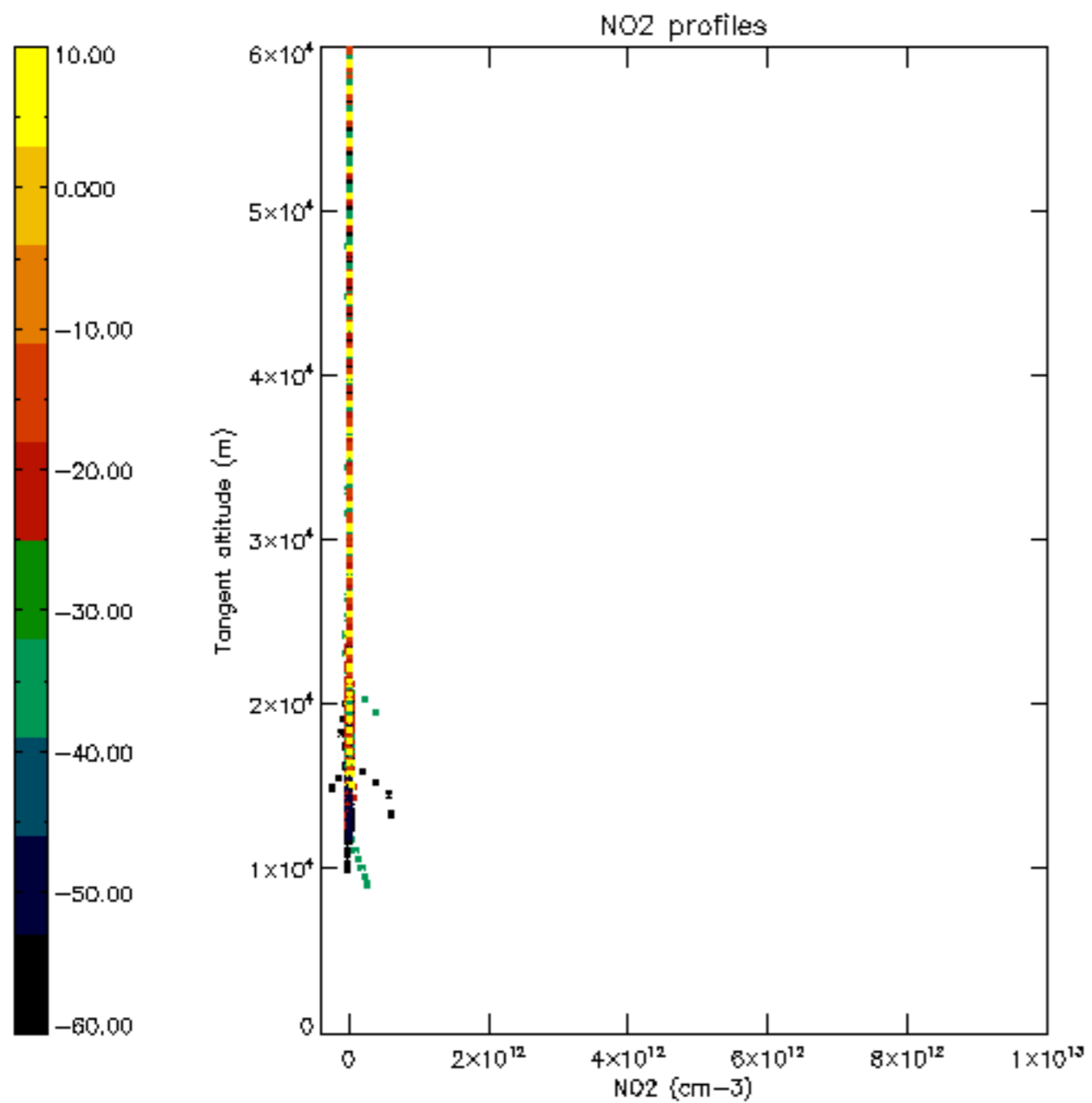


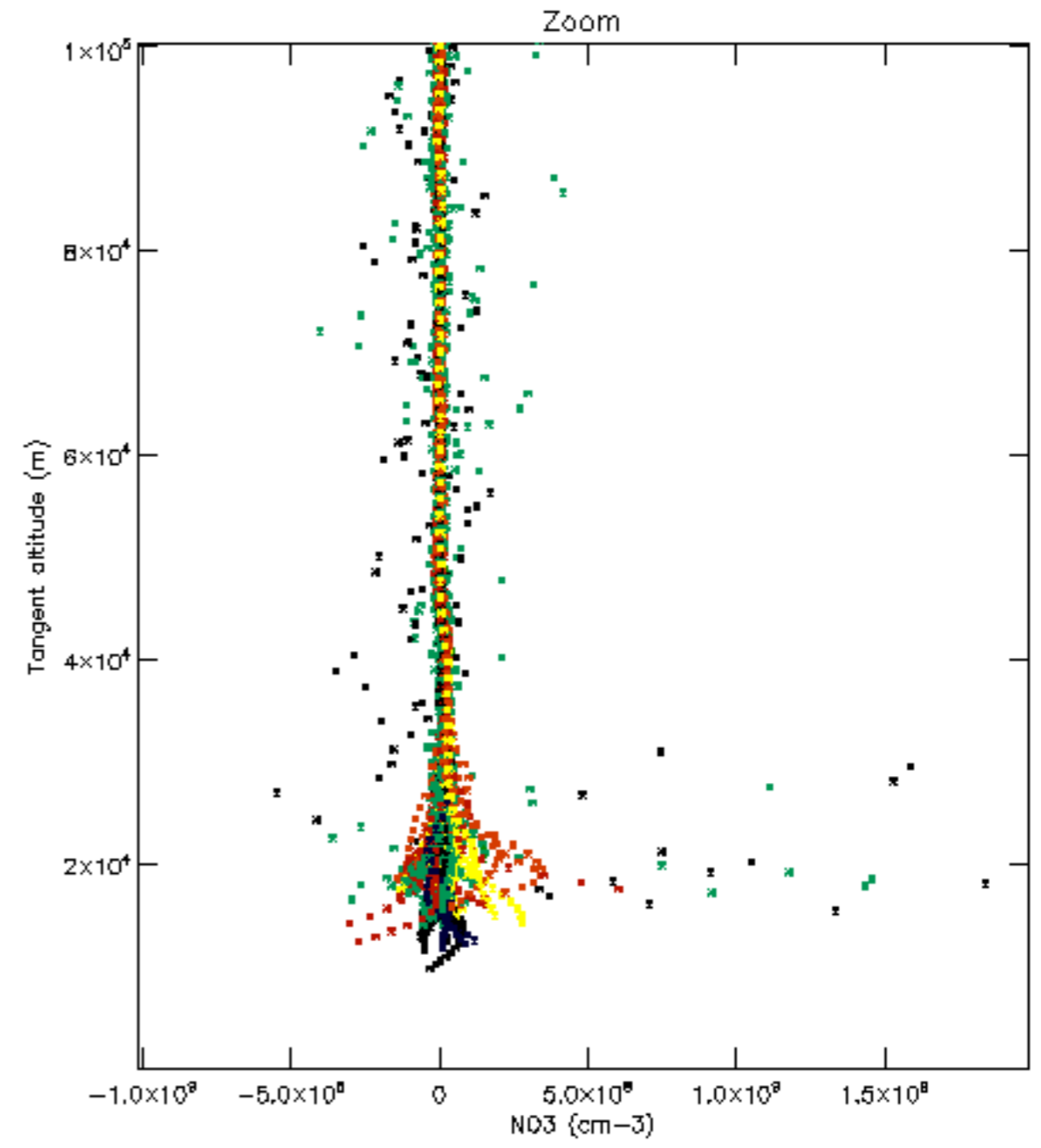
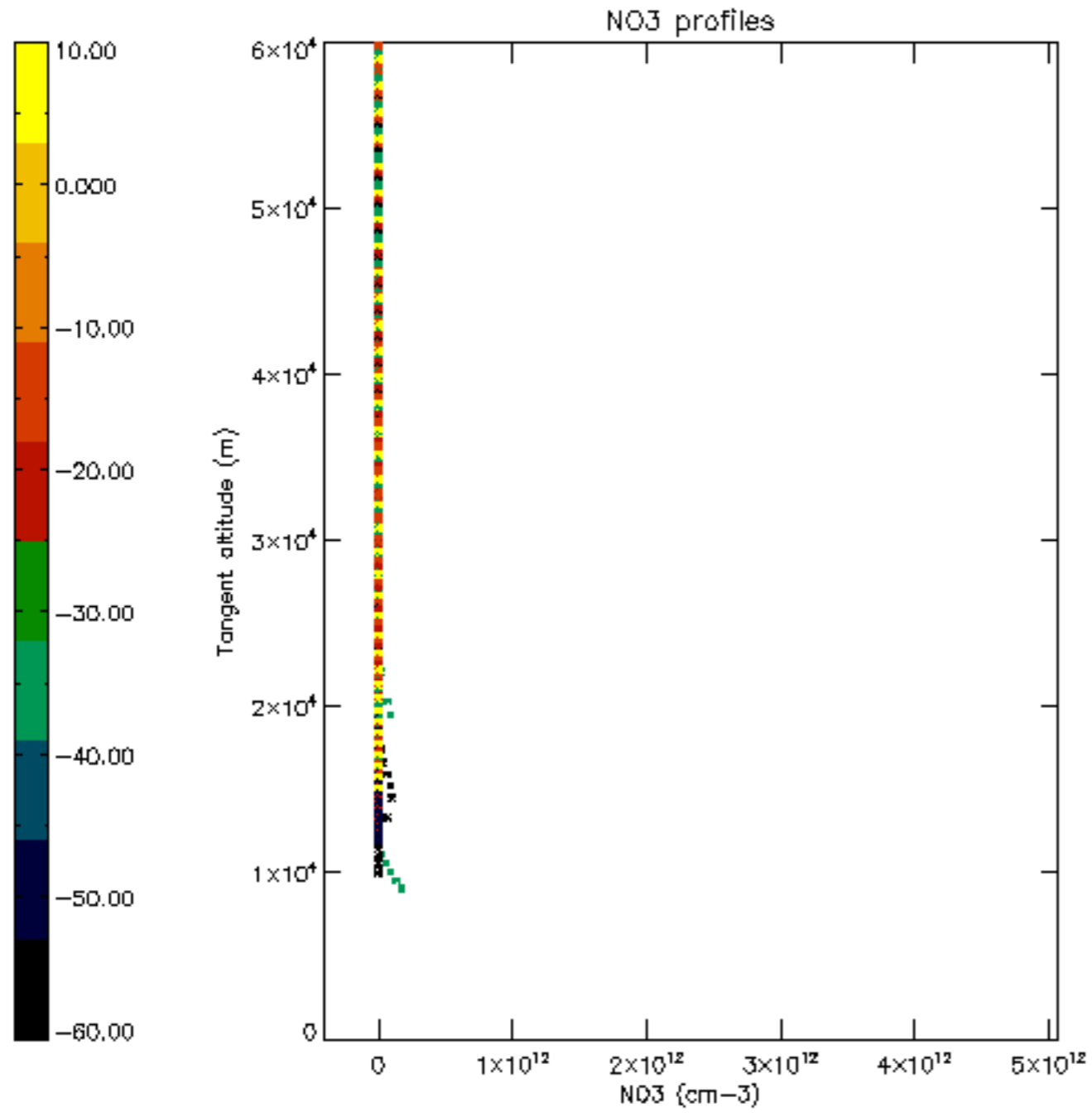


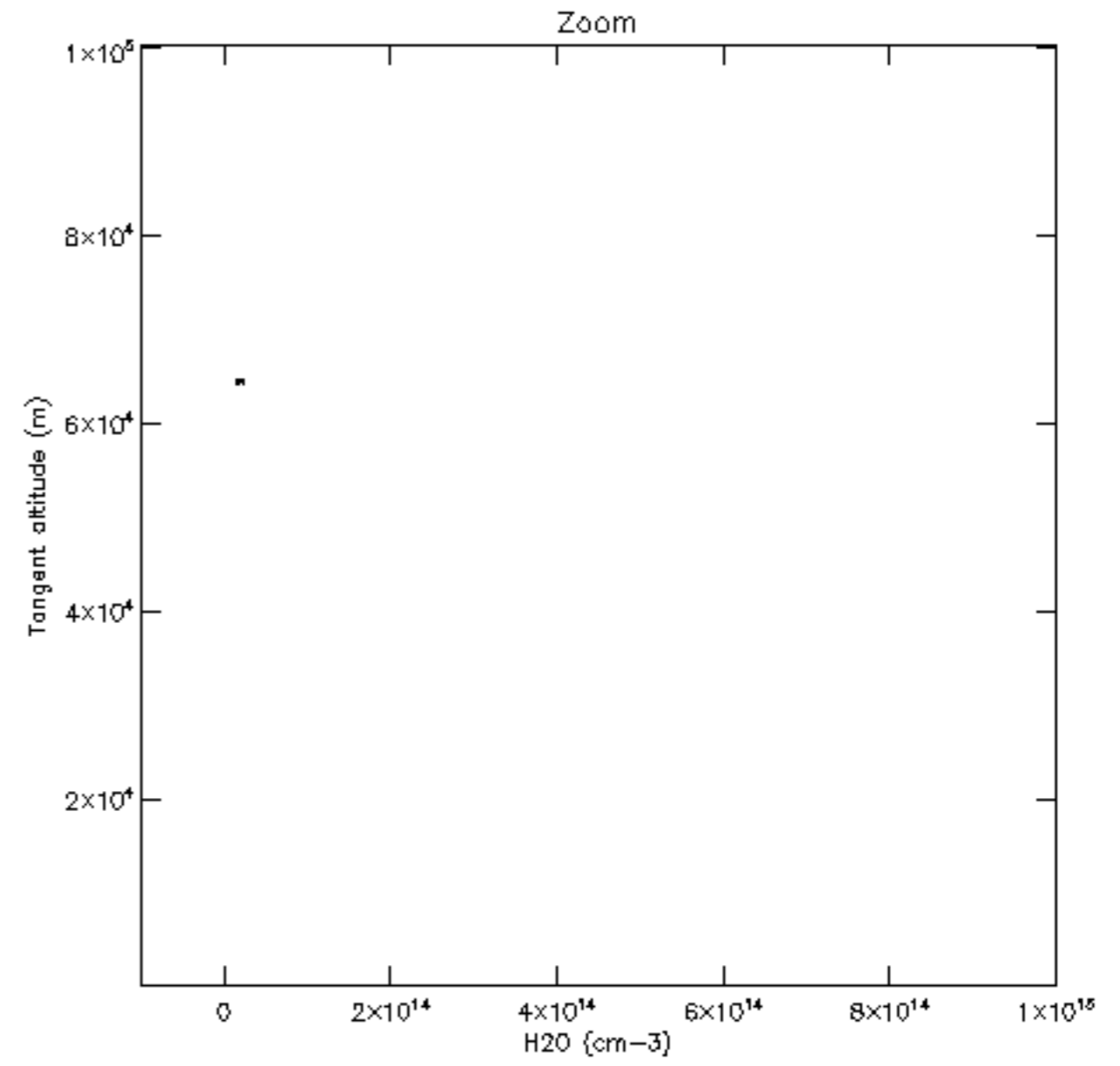
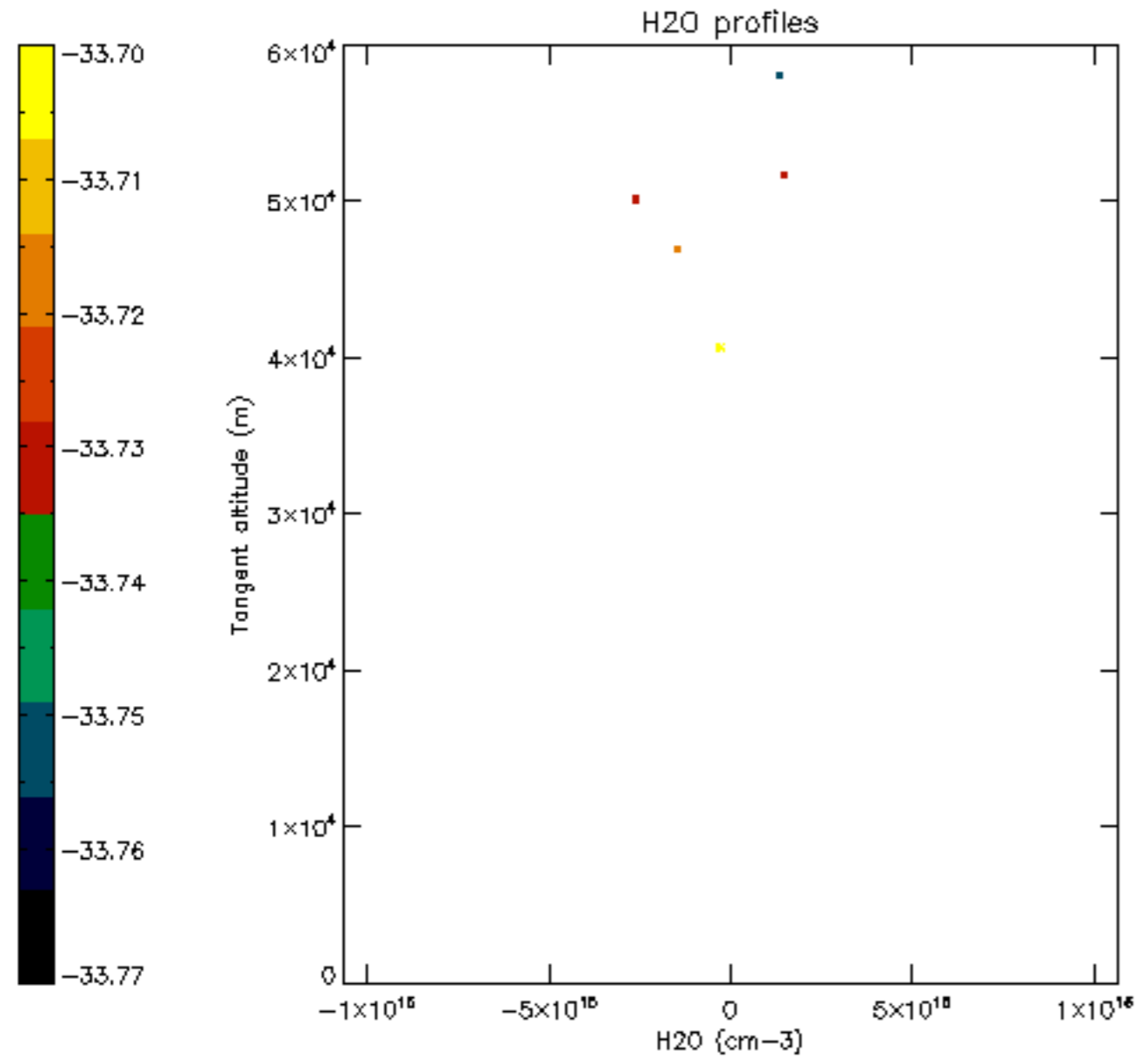


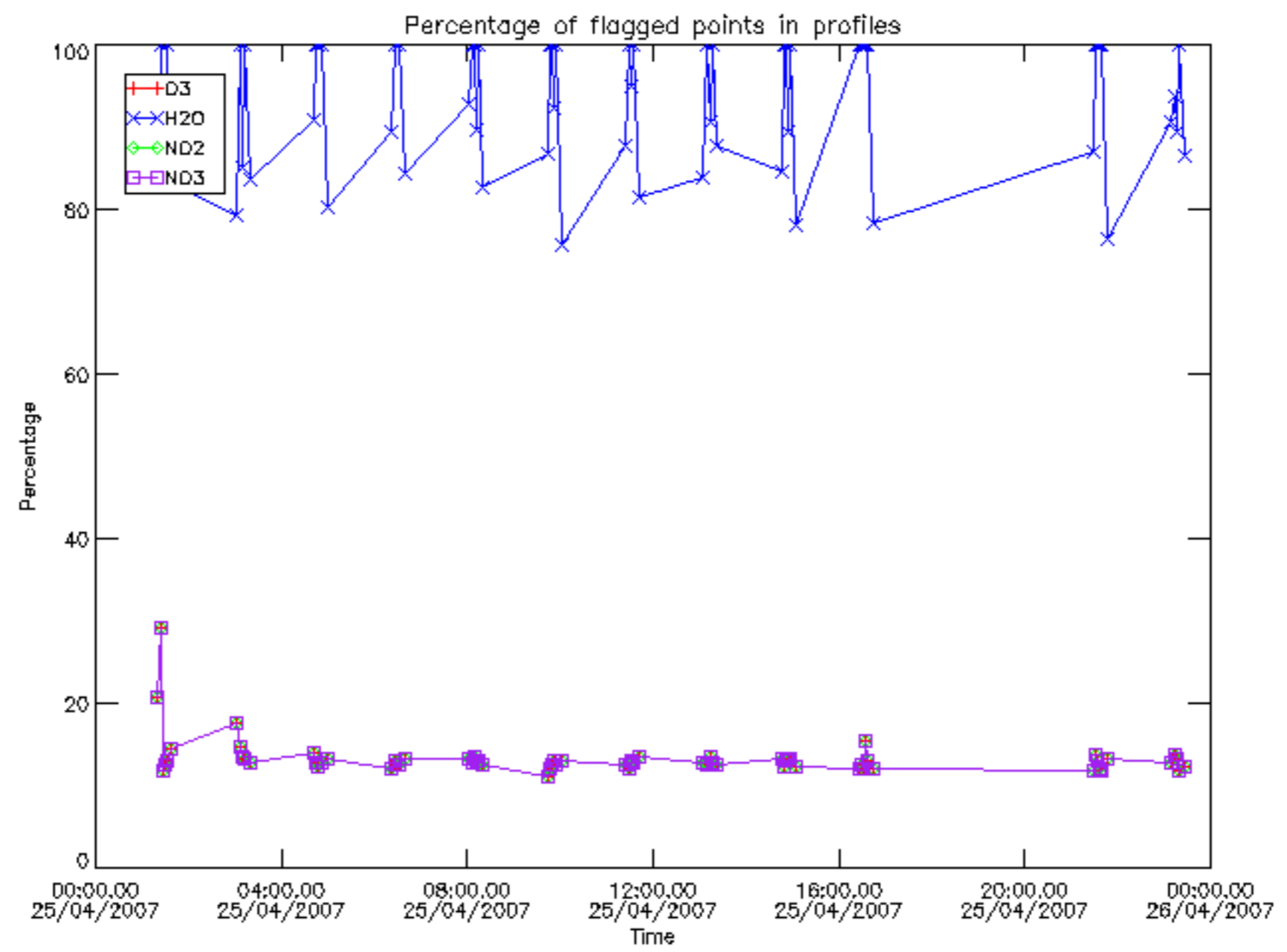




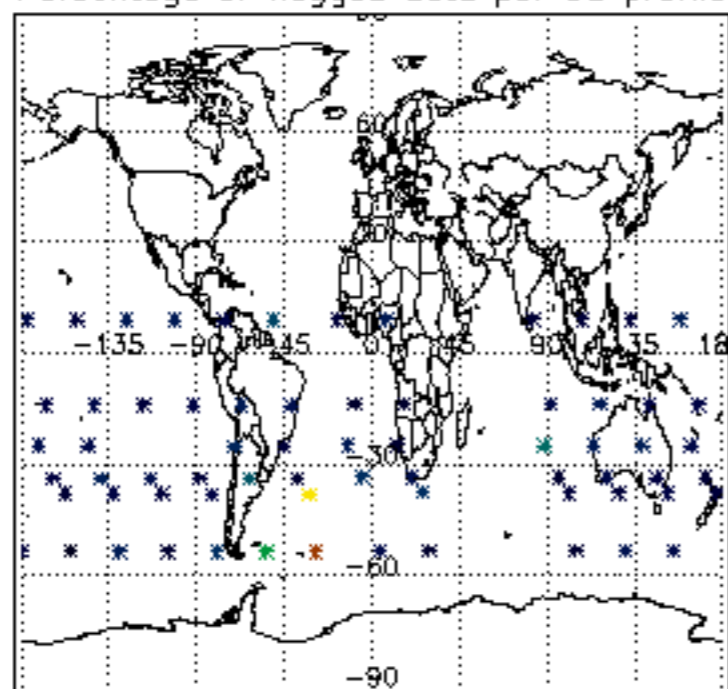




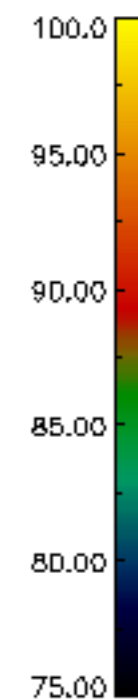
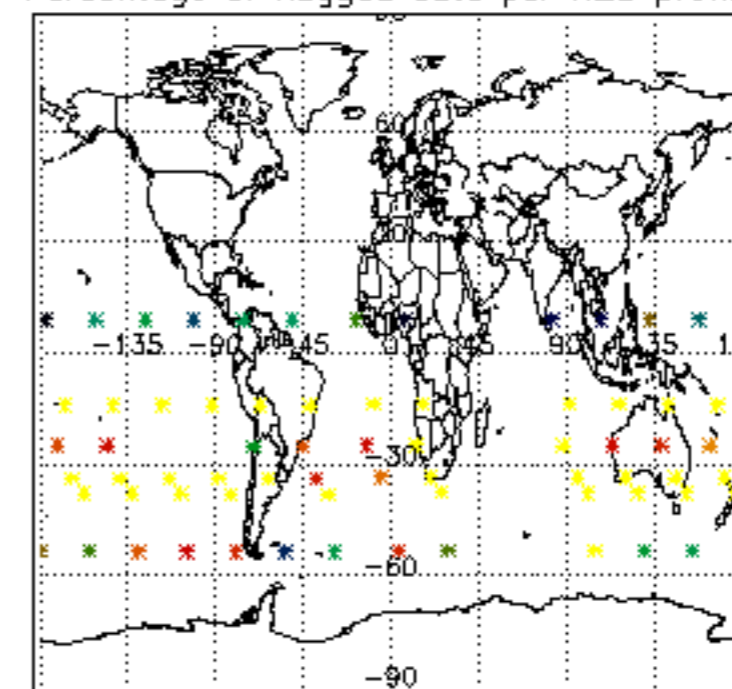




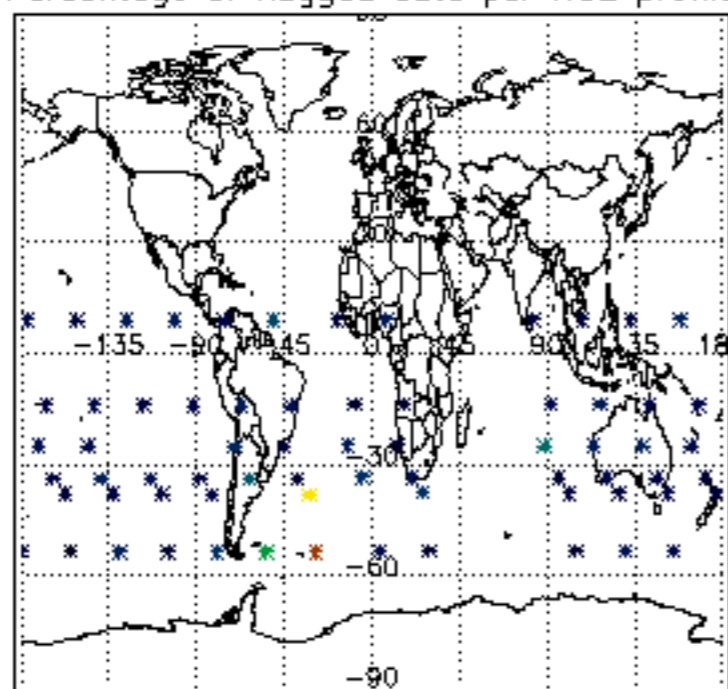
Percentage of flagged data per D3 profile



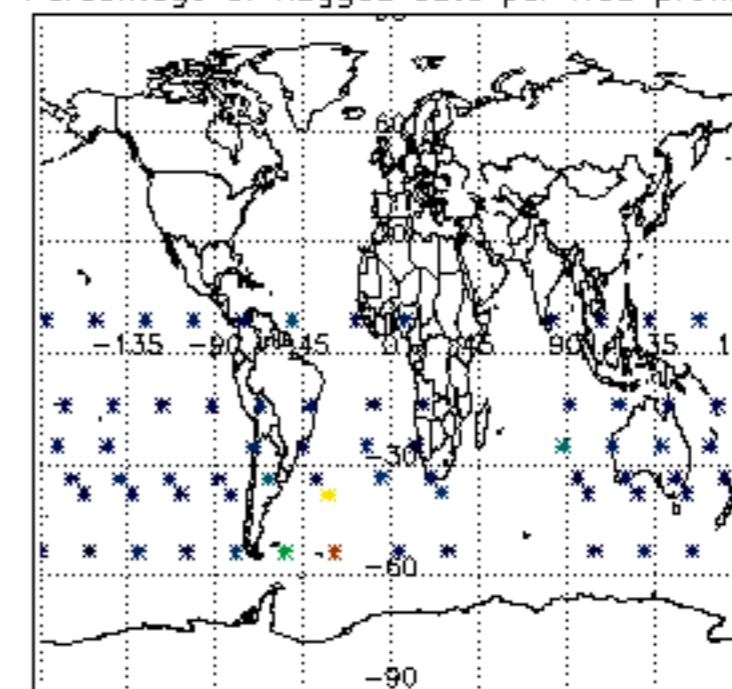
Percentage of flagged data per H2O profile

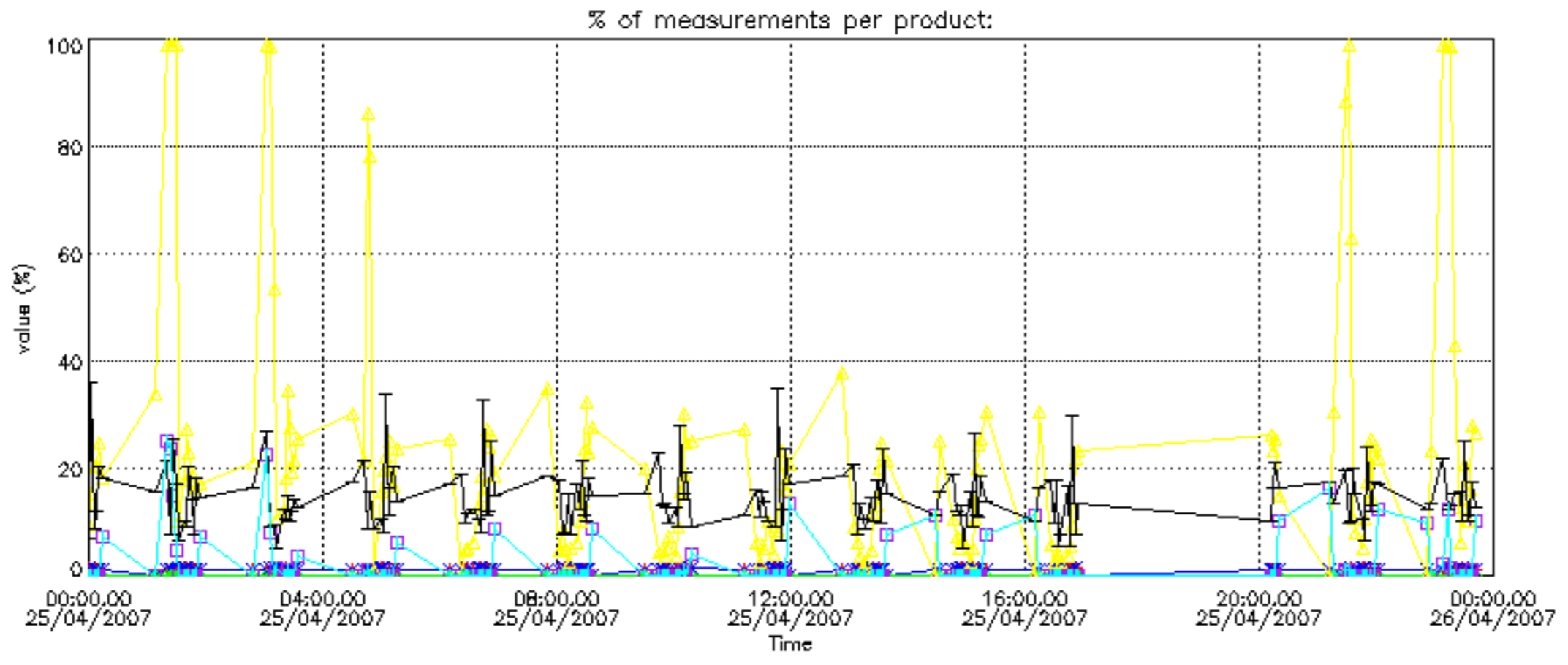


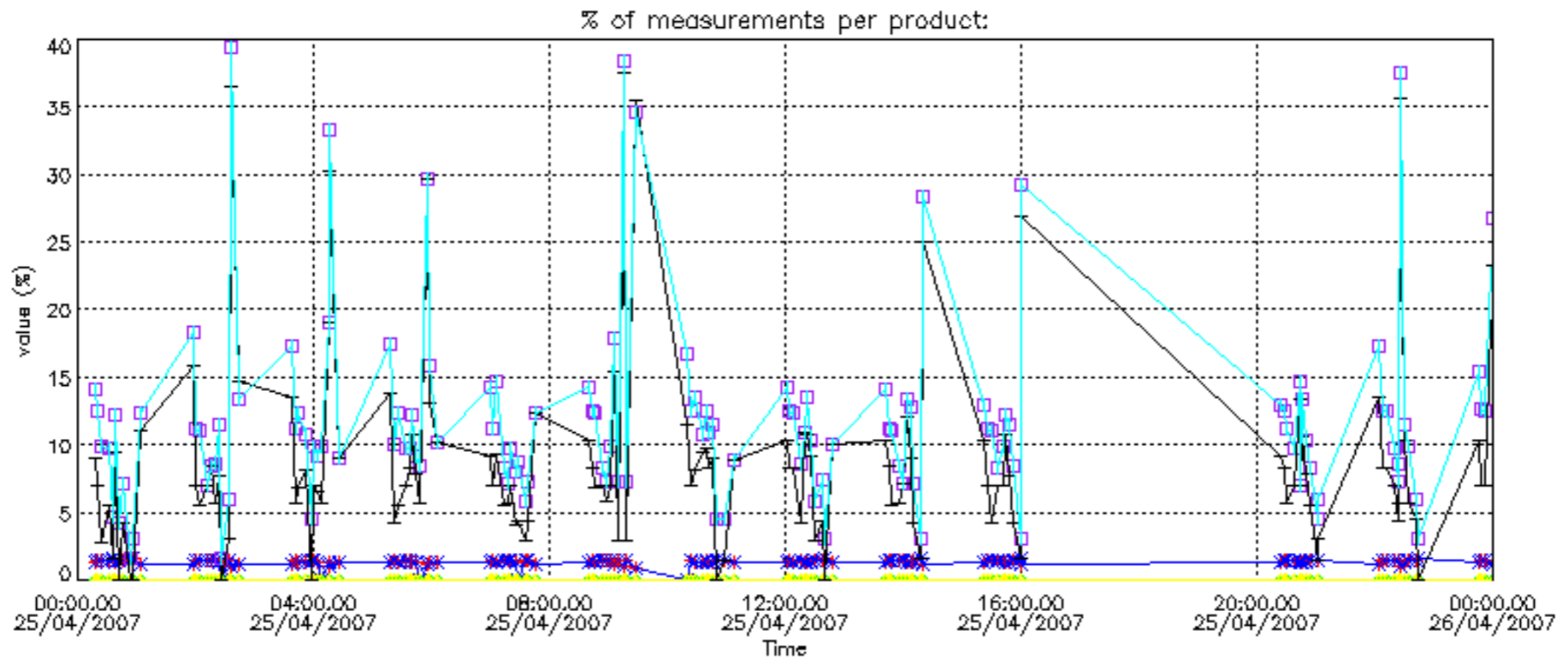
Percentage of flagged data per NO2 profile



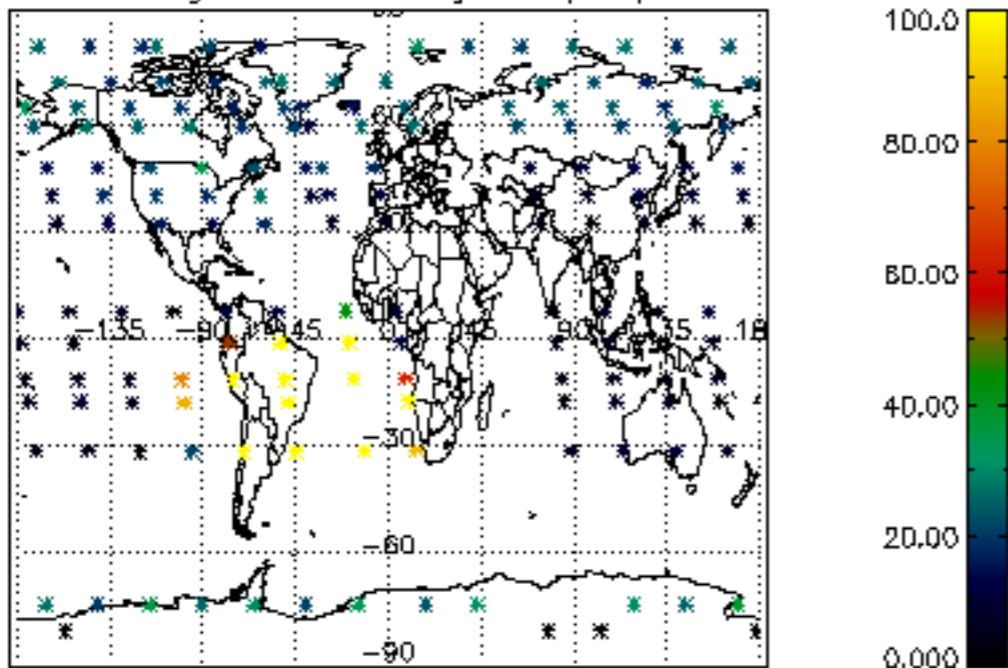
Percentage of flagged data per NO3 profile



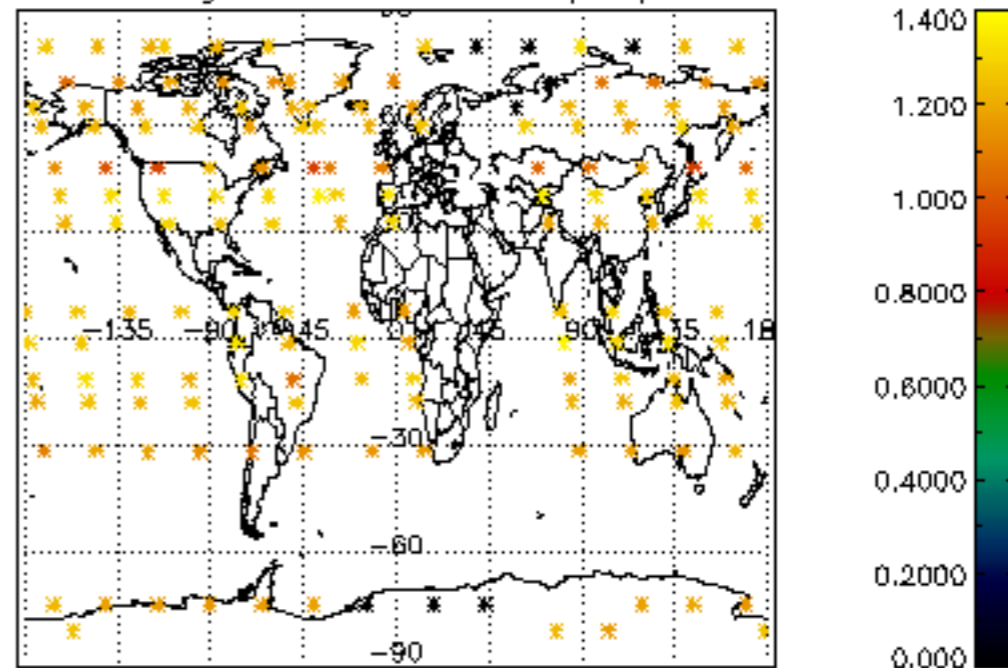




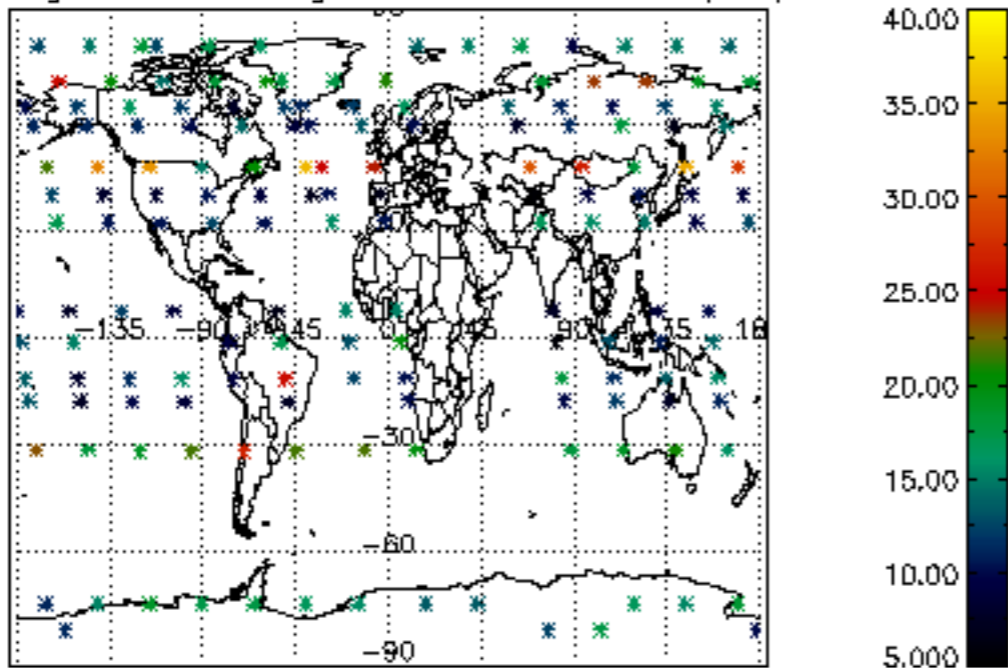
Percentage of cosmic ray hits per profile



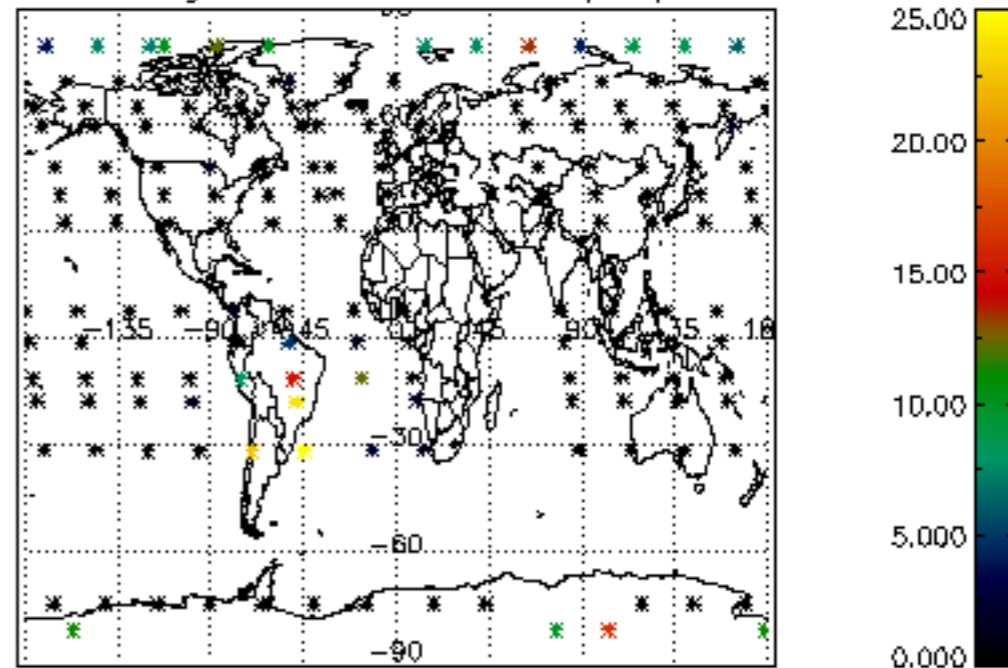
Percentage of datation errors per profile



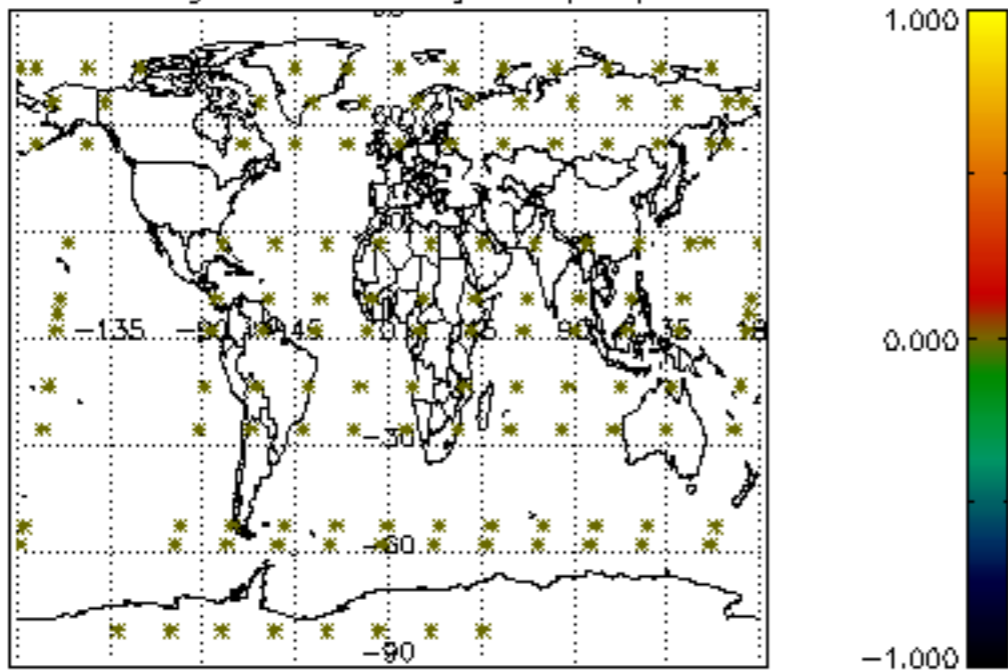
Percentage of star falling outside central band per profile



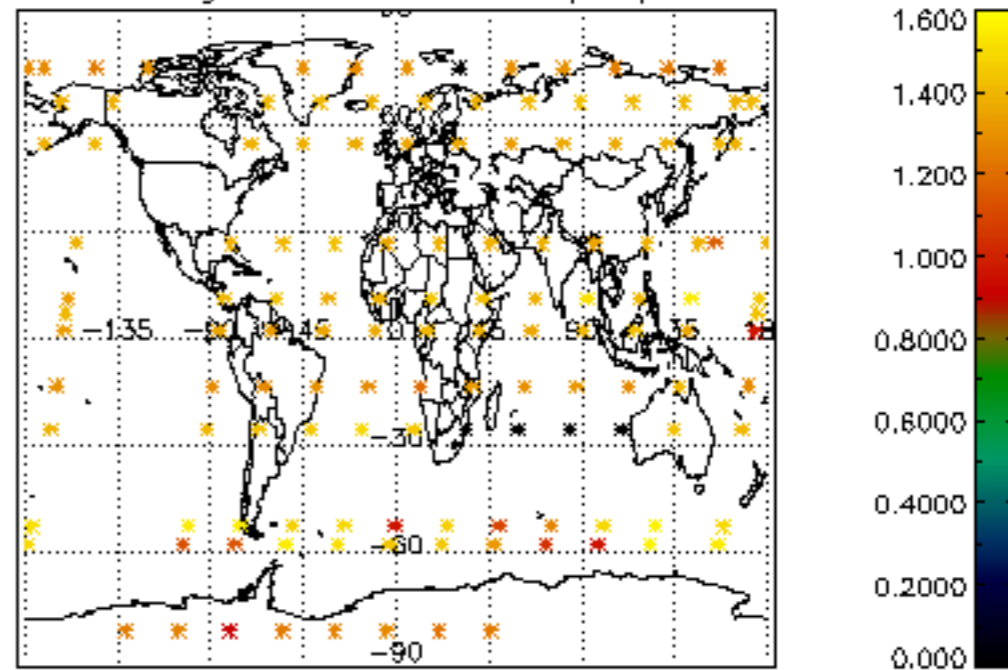
Percentage of saturation errors per profile



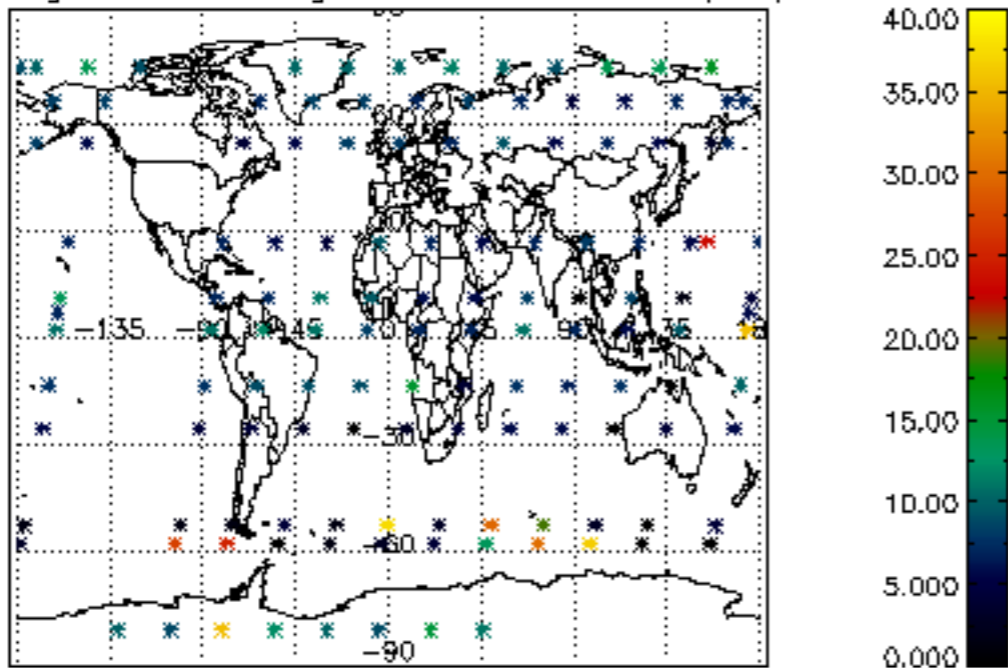
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

