

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 17:01:52
Data source version	GOMOS/6.01
Start time of products	31-01-2010 (31JAN2010 00:00:00)
Stop time of products	01-02-2010 (01FEB2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	365
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

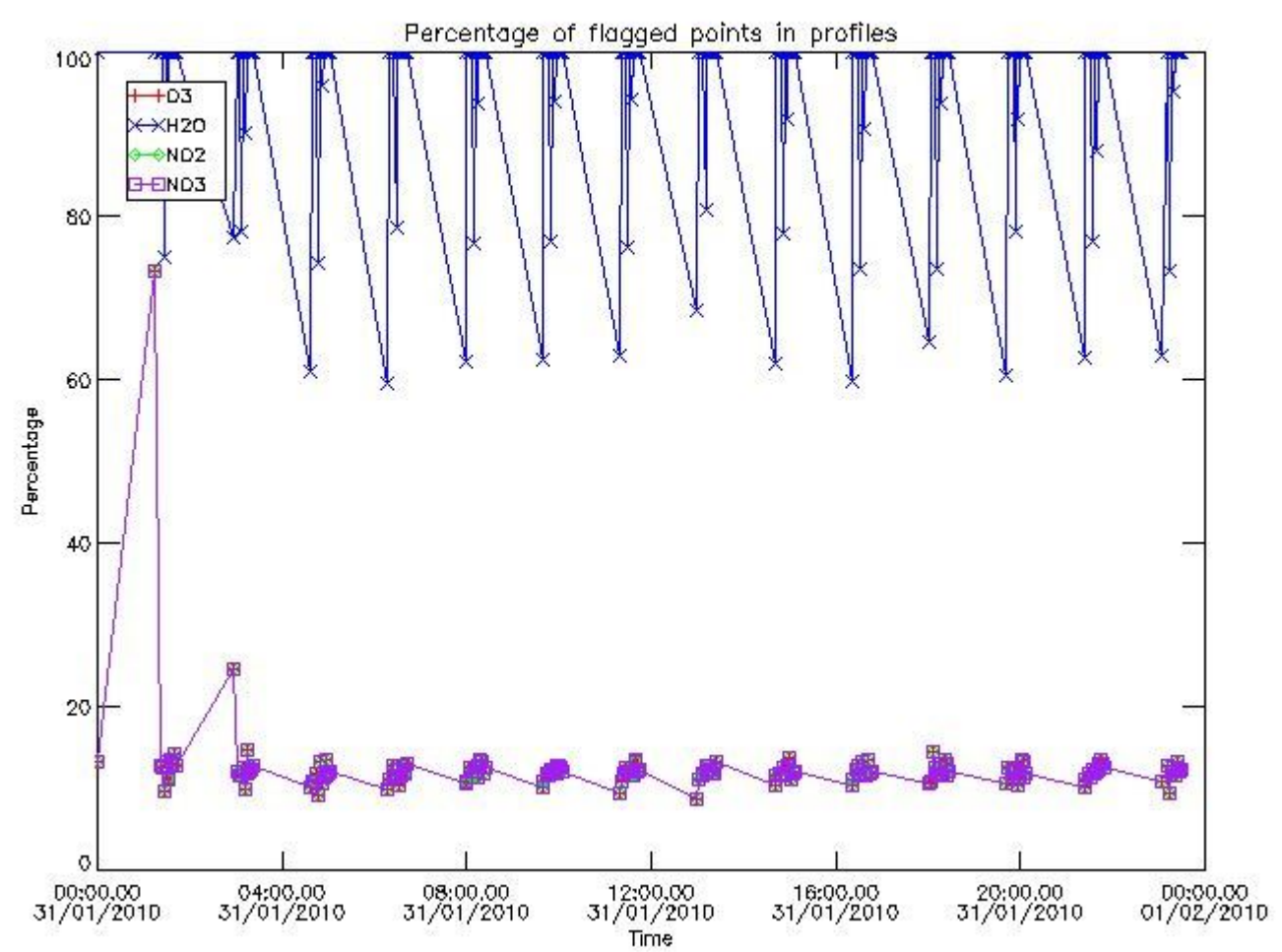
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100131_000047_000000392086_00274_41410_2744.N1	31-JAN-2010 00:00:47	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	41410	No
2	GOM_NL__2PRFIN20100131_000253_000000382086_00274_41410_2745.N1	31-JAN-2010 00:02:53	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	41410	No
3	GOM_NL__2PRFIN20100131_000620_000000402086_00274_41410_2746.N1	31-JAN-2010 00:06:20	Straylight	39.500	88	31Eta CMa	2.4480	20000.	79	41410	No
4	GOM_NL__2PRFIN20100131_001603_000000472086_00274_41410_2747.N1	31-JAN-2010 00:16:03	Twilight_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41410	No
5	GOM_NL__2PRFIN20100131_002151_000000382086_00274_41410_2748.N1	31-JAN-2010 00:21:51	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41410	No
6	GOM_NL__2PRFIN20100131_002349_000000402086_00274_41410_2749.N1	31-JAN-2010 00:23:49	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	41410	No
7	GOM_NL__2PRFIN20100131_003959_000000342086_00274_41410_2750.N1	31-JAN-2010 00:39:59	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41410	No
8	GOM_NL__2PRFIN20100131_004308_000000412086_00274_41410_2751.N1	31-JAN-2010 00:43:08	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41410	No
9	GOM_NL__2PRFIN20100131_004750_000000412086_00274_41410_2752.N1	31-JAN-2010 00:47:50	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41410	No
10	GOM_NL__2PRFIN20100131_005058_000000412086_00274_41410_2753.N1	31-JAN-2010 00:50:58	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41410	No
11	GOM_NL__2PRFIN20100131_005434_000000362086_00274_41410_2754.N1	31-JAN-2010 00:54:34	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	41410	No
12	GOM_NL__2PRFIN20100131_005736_000000442086_00274_41410_2755.N1	31-JAN-2010 00:57:36	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	41410	No
13	GOM_NL__2PRFIN20100131_010244_000000552086_00274_41410_2756.N1	31-JAN-2010 01:02:44	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41410	No
14	GOM_NL__2PRFIN20100131_010452_000000362086_00274_41410_2757.N1	31-JAN-2010 01:04:52	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	41410	No
15	GOM_NL__2PRFIN20100131_011118_000000432086_00274_41410_2758.N1	31-JAN-2010 01:11:18	Twilight_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41410	No
16	GOM_NL__2PRFIN20100131_011534_000000492086_00274_41410_2759.N1	31-JAN-2010 01:15:34	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41410	No
17	GOM_NL__2PRFIN20100131_012119_000000442086_00274_41410_2760.N1	31-JAN-2010 01:21:19	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41410	No
18	GOM_NL__2PRFIN20100131_012332_000000452086_00274_41410_2746.N1	31-JAN-2010 01:23:32	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41410	No
19	GOM_NL__2PRFIN20100131_012634_000000532086_00275_41411_2747.N1	31-JAN-2010 01:26:34	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	41411	No
20	GOM_NL__2PRFIN20100131_012827_000000432086_00275_41411_2748.N1	31-JAN-2010 01:28:27	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41411	No
21	GOM_NL__2PRFIN20100131_013110_000000452086_00275_41411_2749.N1	31-JAN-2010 01:31:10	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	41411	No
22	GOM_NL__2PRFIN20100131_013307_000000462086_00275_41411_2750.N1	31-JAN-2010 01:33:07	Dark	45.500	99	Del Cen	2.5750	26000.	91	41411	No
23	GOM_NL__2PRFIN20100131_013511_000000382086_00275_41411_2751.N1	31-JAN-2010 01:35:11	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41411	No
24	GOM_NL__2PRFIN20100131_013706_000000392086_00275_41411_2752.N1	31-JAN-2010 01:37:06	Dark	39.000	71	lot Car	2.2460	7700.0	78	41411	No
25	GOM_NL__2PRFIN20100131_013851_000000402086_00275_41411_2753.N1	31-JAN-2010 01:38:51	Dark	39.500	46	Del Vel	1.9540	10600.	79	41411	No
26	GOM_NL__2PRFIN20100131_014123_000000402086_00275_41411_2754.N1	31-JAN-2010 01:41:23	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41411	No
27	GOM_NL__2PRFIN20100131_014329_000000422086_00275_41411_2755.N1	31-JAN-2010 01:43:29	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41411	No
28	GOM_NL__2PRFIN20100131_014658_000000392086_00275_41411_2756.N1	31-JAN-2010 01:46:58	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	41411	No
29	GOM_NL__2PRFIN20100131_015640_000000512086_00275_41411_2757.N1	31-JAN-2010 01:56:40	Twilight_stray	51.000	8	10Alp CMi	0.40000	6500.0	102	41411	No
30	GOM_NL__2PRFIN20100131_020227_000000382086_00275_41411_2758.N1	31-JAN-2010 02:02:27	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41411	No
31	GOM_NL__2PRFIN20100131_020425_000000402086_00275_41411_2759.N1	31-JAN-2010 02:04:25	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41411	No
32	GOM_NL__2PRFIN20100131_022034_000000342086_00275_41411_2760.N1	31-JAN-2010 02:20:34	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41411	No
33	GOM_NL__2PRFIN20100131_022344_000000422086_00275_41411_2761.N1	31-JAN-2010 02:23:44	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41411	No
34	GOM_NL__2PRFIN20100131_022826_000000422086_00275_41411_2762.N1	31-JAN-2010 02:28:26	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41411	No
35	GOM_NL__2PRFIN20100131_023134_000000372086_00275_41411_2763.N1	31-JAN-2010 02:31:34	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41411	No
36	GOM_NL__2PRFIN20100131_023510_000000412086_00275_41411_2764.N1	31-JAN-2010 02:35:10	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	41411	No
37	GOM_NL__2PRFIN20100131_023812_000000422086_00275_41411_2765.N1	31-JAN-2010 02:38:12	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41411	No
38	GOM_NL__2PRFIN20100131_024320_000000552086_00275_41411_2766.N1	31-JAN-2010 02:43:20	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41411	No
39	GOM_NL__2PRFIN20100131_024528_000000542086_00275_41411_2767.N1	31-JAN-2010 02:45:28	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41411	No
40	GOM_NL__2PRFIN20100131_025155_000000412086_00275_41411_2768.N1	31-JAN-2010 02:51:55	Twilight_stray	41.000	86	35Eta Oph	2.4300	10200.	82	41411	No
41	GOM_NL__2PRFIN20100131_025610_000000562086_00275_41411_2769.N1	31-JAN-2010 02:56:10	Dark	55.500	16	21Alp Sco	1.0200	3000.0	111	41411	No
42	GOM_NL__2PRFIN20100131_030156_000000422086_00275_41411_2770.N1	31-JAN-2010 03:01:56	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41411	No

338	GOM_NL__2PRFIN20100131_215505_000000412086_00287_41423_2892.N1	31-JAN-2010 21:55:05	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41423	No
339	GOM_NL__2PRFIN20100131_220351_000000472086_00287_41423_2893.N1	31-JAN-2010 22:03:51	Twl_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41423	No
340	GOM_NL__2PRFIN20100131_220939_000000372086_00287_41423_2894.N1	31-JAN-2010 22:09:39	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	41423	No
341	GOM_NL__2PRFIN20100131_221134_000000392086_00287_41423_2895.N1	31-JAN-2010 22:11:34	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41423	No
342	GOM_NL__2PRFIN20100131_222746_000000332086_00287_41423_2896.N1	31-JAN-2010 22:27:46	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41423	No
343	GOM_NL__2PRFIN20100131_223052_000000422086_00287_41423_2897.N1	31-JAN-2010 22:30:52	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41423	No
344	GOM_NL__2PRFIN20100131_223535_000000382086_00287_41423_2898.N1	31-JAN-2010 22:35:35	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41423	No
345	GOM_NL__2PRFIN20100131_223845_000000402086_00287_41423_2899.N1	31-JAN-2010 22:38:45	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41423	No
346	GOM_NL__2PRFIN20100131_224223_000000392086_00287_41423_2900.N1	31-JAN-2010 22:42:23	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41423	No
347	GOM_NL__2PRFIN20100131_224525_000000292086_00287_41423_2901.N1	31-JAN-2010 22:45:25	Twl_and_stray	29.000	133	40Zet Her	2.8070	6000.0	58	41423	No
348	GOM_NL__2PRFIN20100131_225035_000000372086_00287_41423_2902.N1	31-JAN-2010 22:50:35	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	41423	No
349	GOM_NL__2PRFIN20100131_225243_000000542086_00287_41423_2903.N1	31-JAN-2010 22:52:43	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41423	No
350	GOM_NL__2PRFIN20100131_225911_000000452086_00287_41423_2904.N1	31-JAN-2010 22:59:11	Twl_and_stray	45.000	86	35Eta Oph	2.4300	10200.	90	41423	No
351	GOM_NL__2PRFIN20100131_230330_000000482086_00287_41423_2905.N1	31-JAN-2010 23:03:30	Dark	47.500	16	21Alp Sco	1.0200	3000.0	95	41423	No
352	GOM_NL__2PRFIN20100131_231130_000000442086_00288_41424_2890.N1	31-JAN-2010 23:11:30	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41424	No
353	GOM_NL__2PRFIN20100131_231428_000000552086_00288_41424_2891.N1	31-JAN-2010 23:14:28	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	41424	No
354	GOM_NL__2PRFIN20100131_231624_000000432086_00288_41424_2892.N1	31-JAN-2010 23:16:24	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41424	No
355	GOM_NL__2PRFIN20100131_231904_000000412086_00288_41424_2893.N1	31-JAN-2010 23:19:04	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41424	No
356	GOM_NL__2PRFIN20100131_232105_000000442086_00288_41424_2894.N1	31-JAN-2010 23:21:05	Dark	44.000	99	Del Cen	2.5750	26000.	88	41424	No
357	GOM_NL__2PRFIN20100131_232302_000000392086_00288_41424_2895.N1	31-JAN-2010 23:23:02	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41424	No
358	GOM_NL__2PRFIN20100131_232457_000000412086_00288_41424_2896.N1	31-JAN-2010 23:24:57	Dark	41.000	71	lot Car	2.2460	7700.0	82	41424	No
359	GOM_NL__2PRFIN20100131_232642_000000432086_00288_41424_2897.N1	31-JAN-2010 23:26:42	Dark	42.500	46	Del Vel	1.9540	10600.	85	41424	No
360	GOM_NL__2PRFIN20100131_232914_000000422086_00288_41424_2898.N1	31-JAN-2010 23:29:14	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41424	No
361	GOM_NL__2PRFIN20100131_233119_000000412086_00288_41424_2899.N1	31-JAN-2010 23:31:19	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41424	No
362	GOM_NL__2PRFIN20100131_233541_000000422086_00288_41424_2900.N1	31-JAN-2010 23:35:41	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	41424	No
363	GOM_NL__2PRFIN20100131_234427_000000492086_00288_41424_2901.N1	31-JAN-2010 23:44:27	Twl_and_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	41424	No
364	GOM_NL__2PRFIN20100131_235015_000000372086_00288_41424_2902.N1	31-JAN-2010 23:50:15	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41424	No
365	GOM_NL__2PRFIN20100131_235210_000000382086_00288_41424_2903.N1	31-JAN-2010 23:52:10	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41424	No

3. Quality information per product

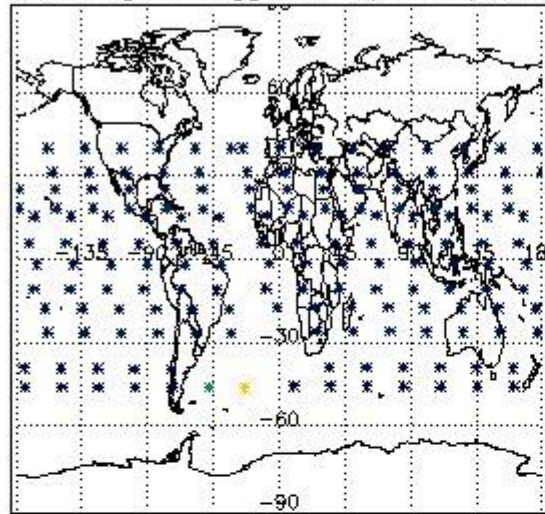
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

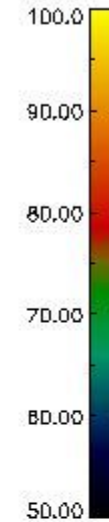
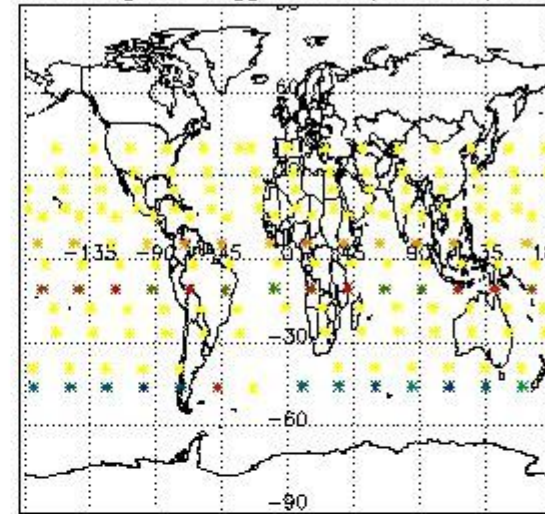


3.2 Plot quality information per product (world map)

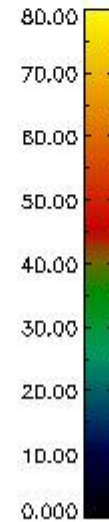
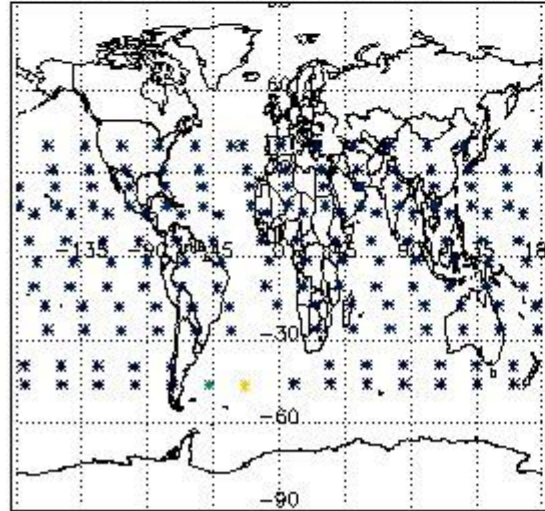
Percentage of flagged data per O3 profile



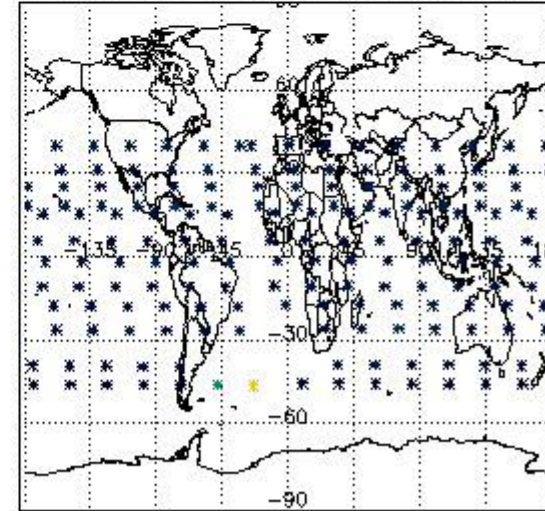
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

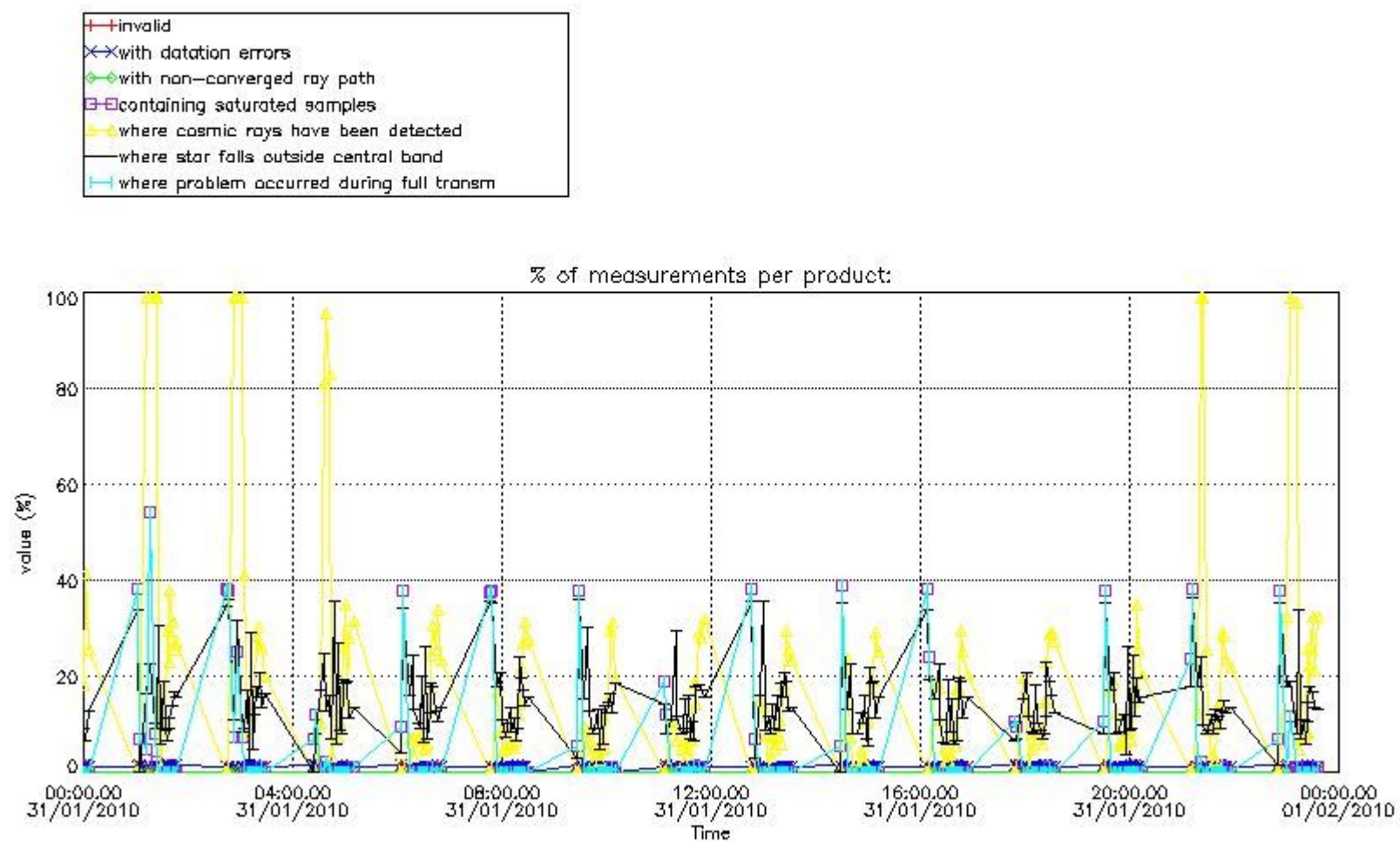


4. Level 1 quality information per product

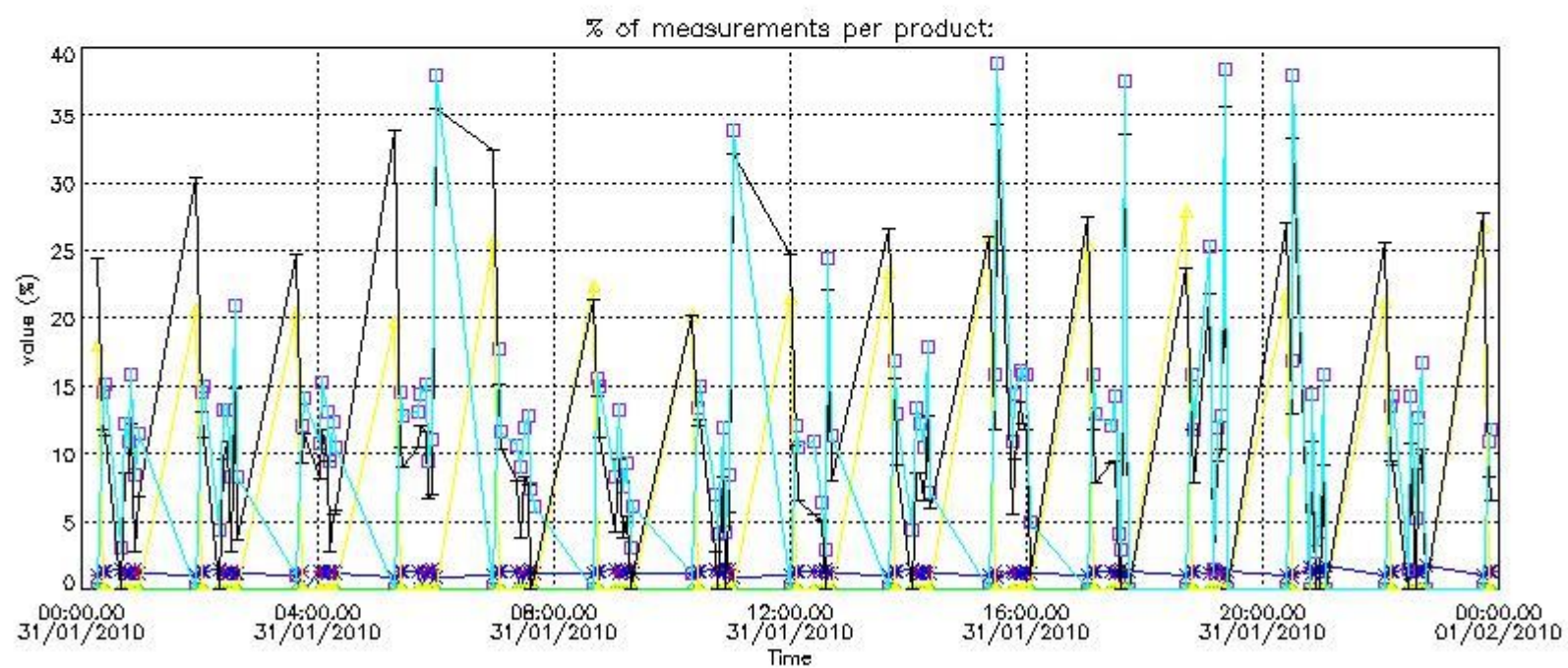
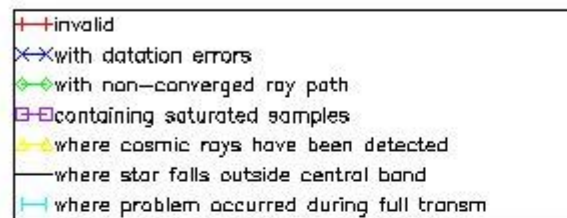
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

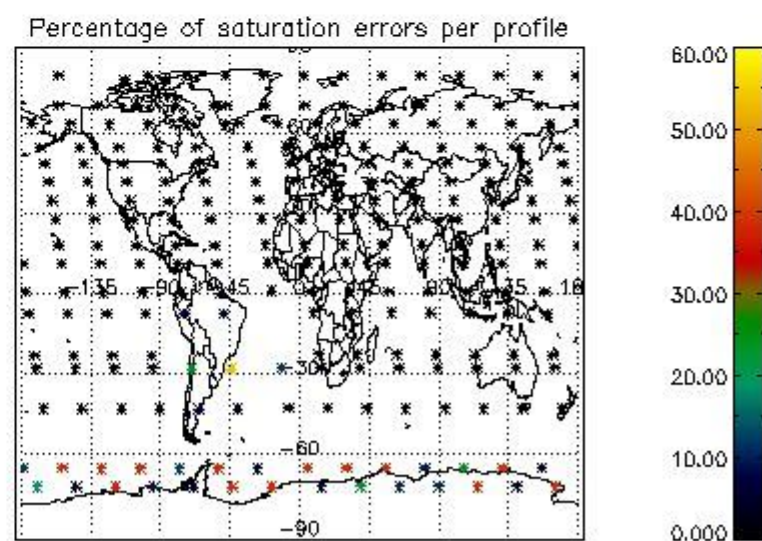
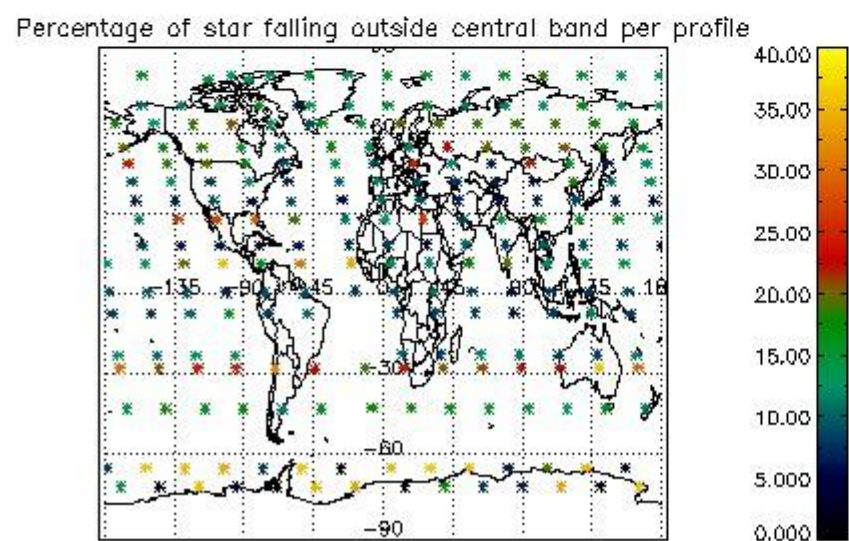
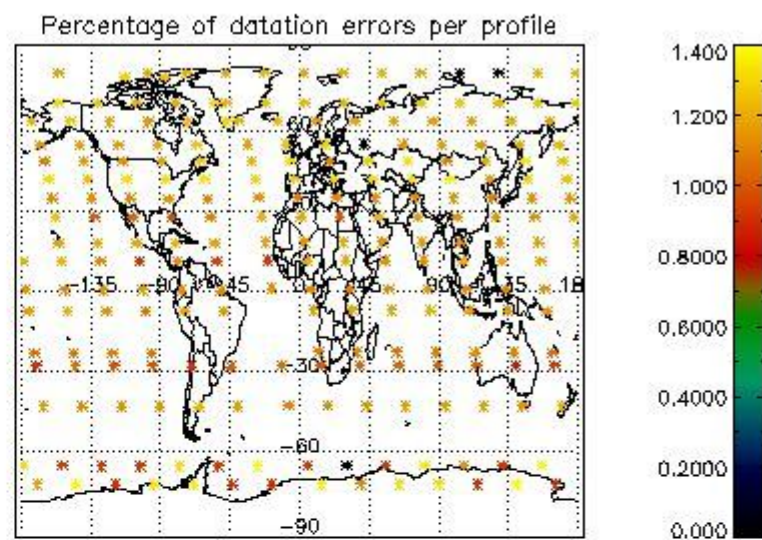
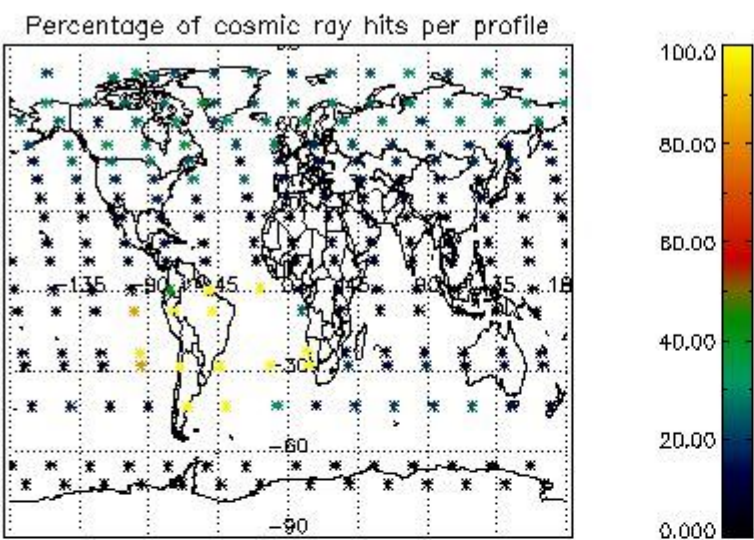


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

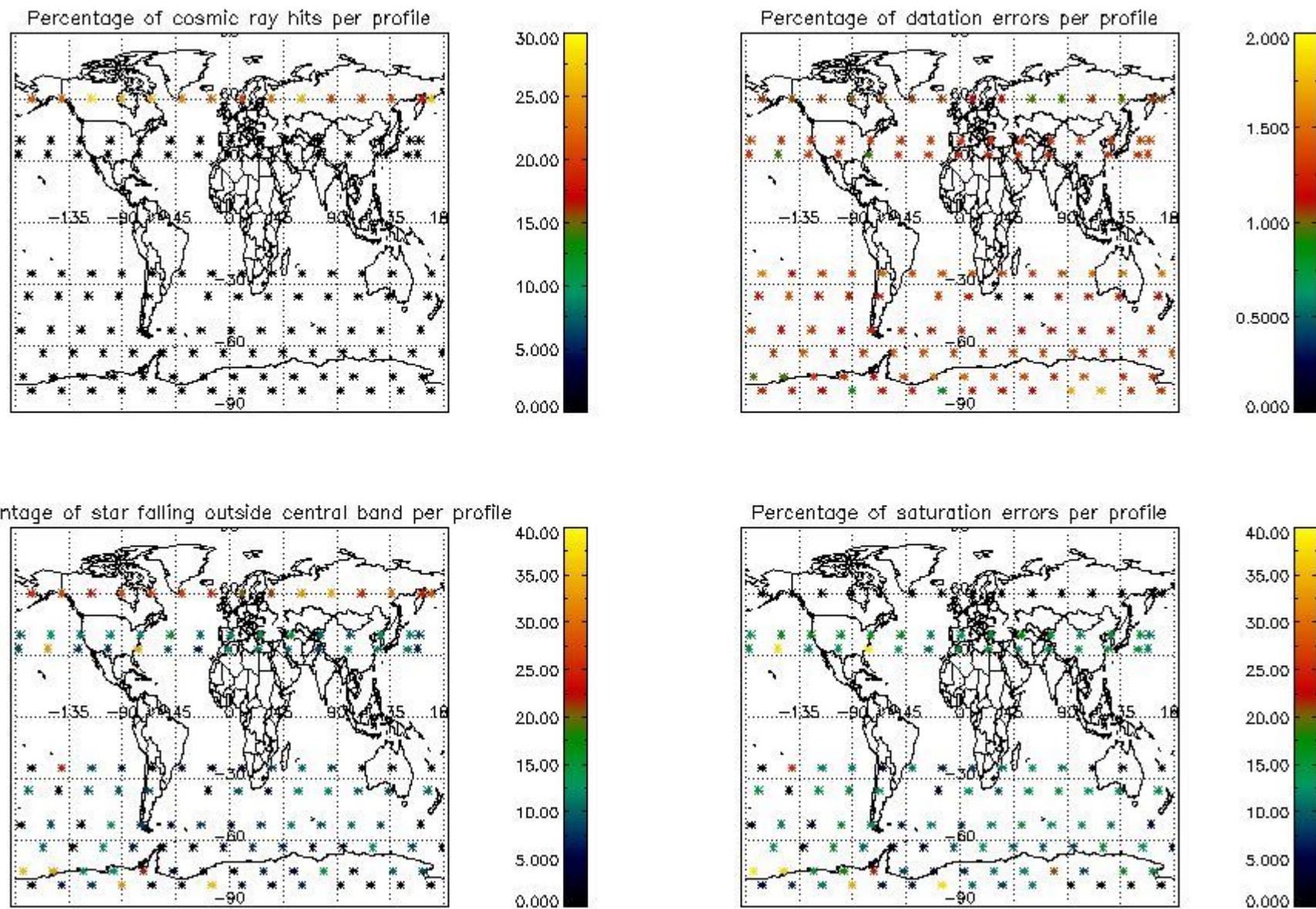


4.2 Plot quality information per product coming from level 1b processing (world map)

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

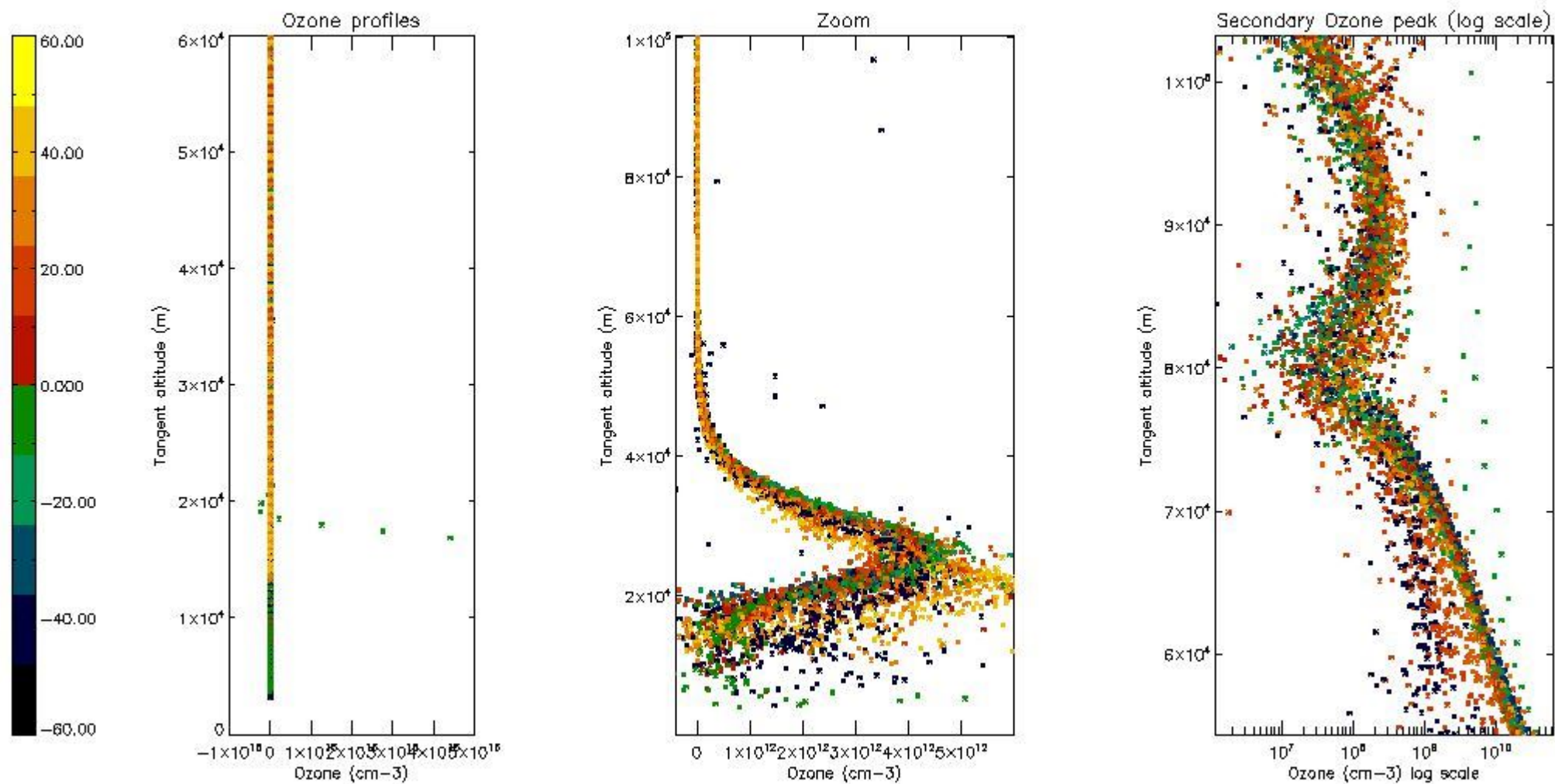
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	47
STD < 20	25

STD < 10	20
STD < 5	14

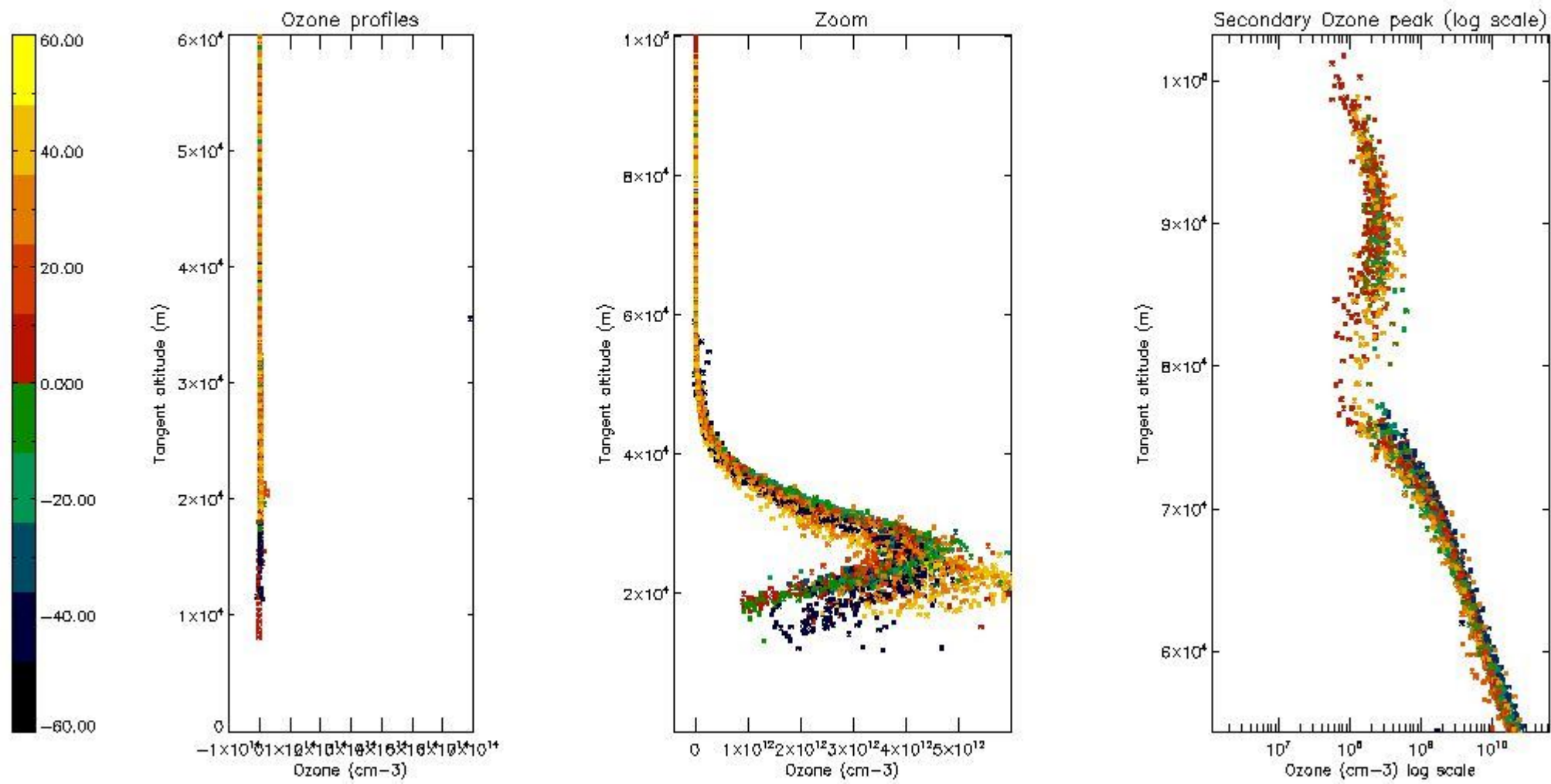
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



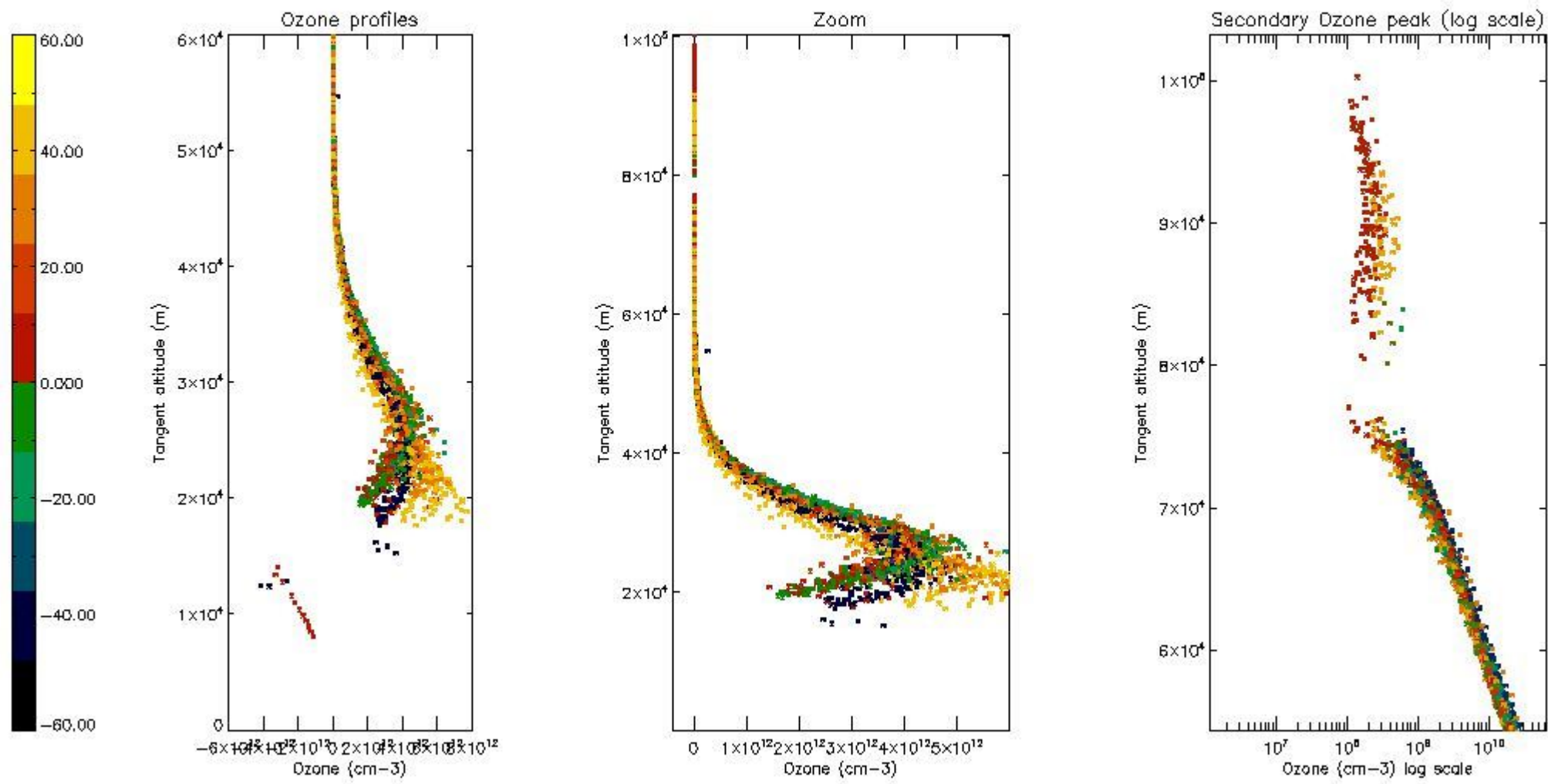
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



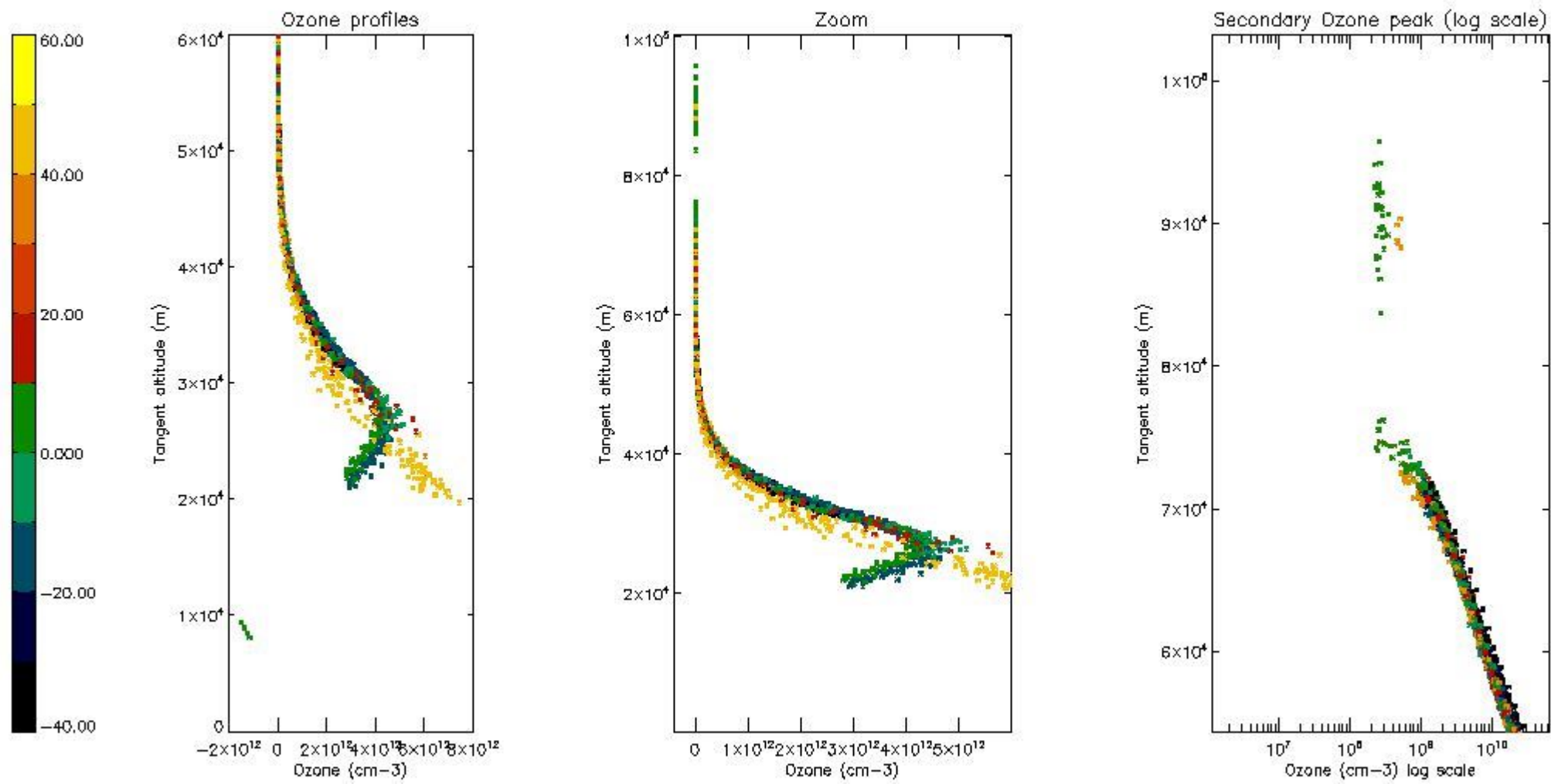
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



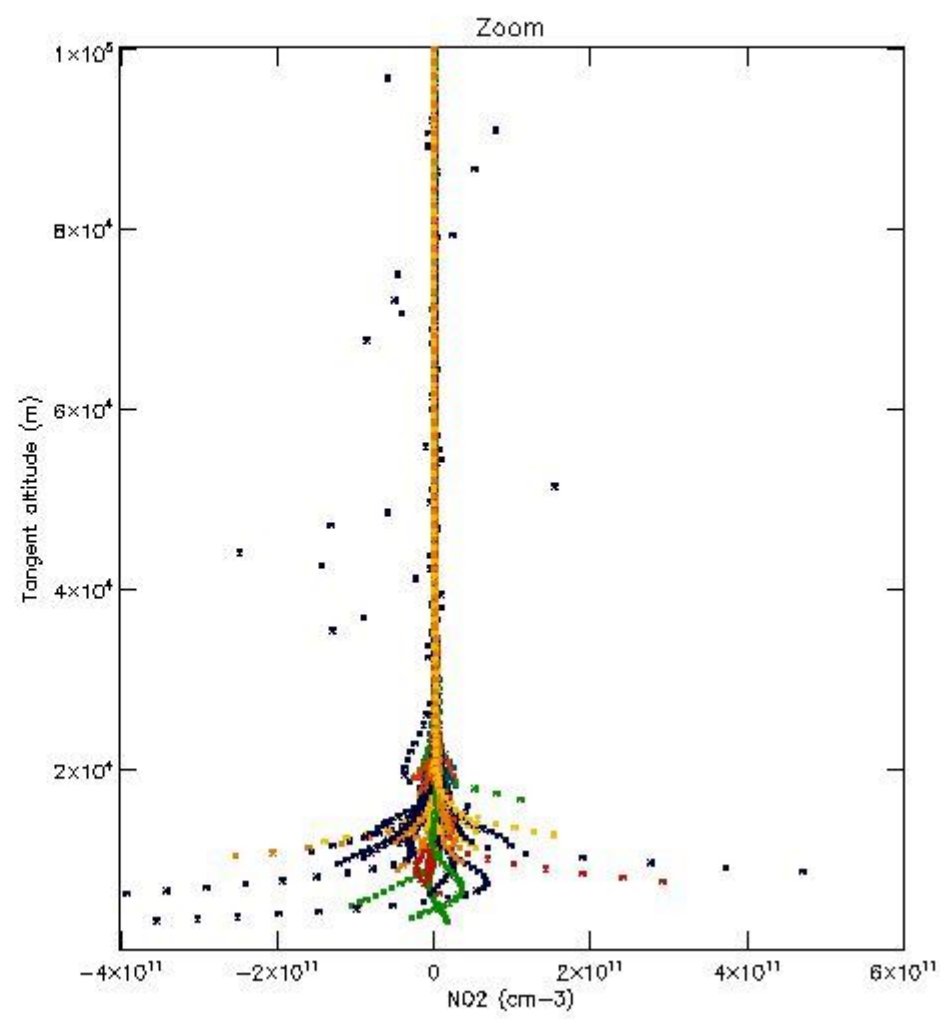
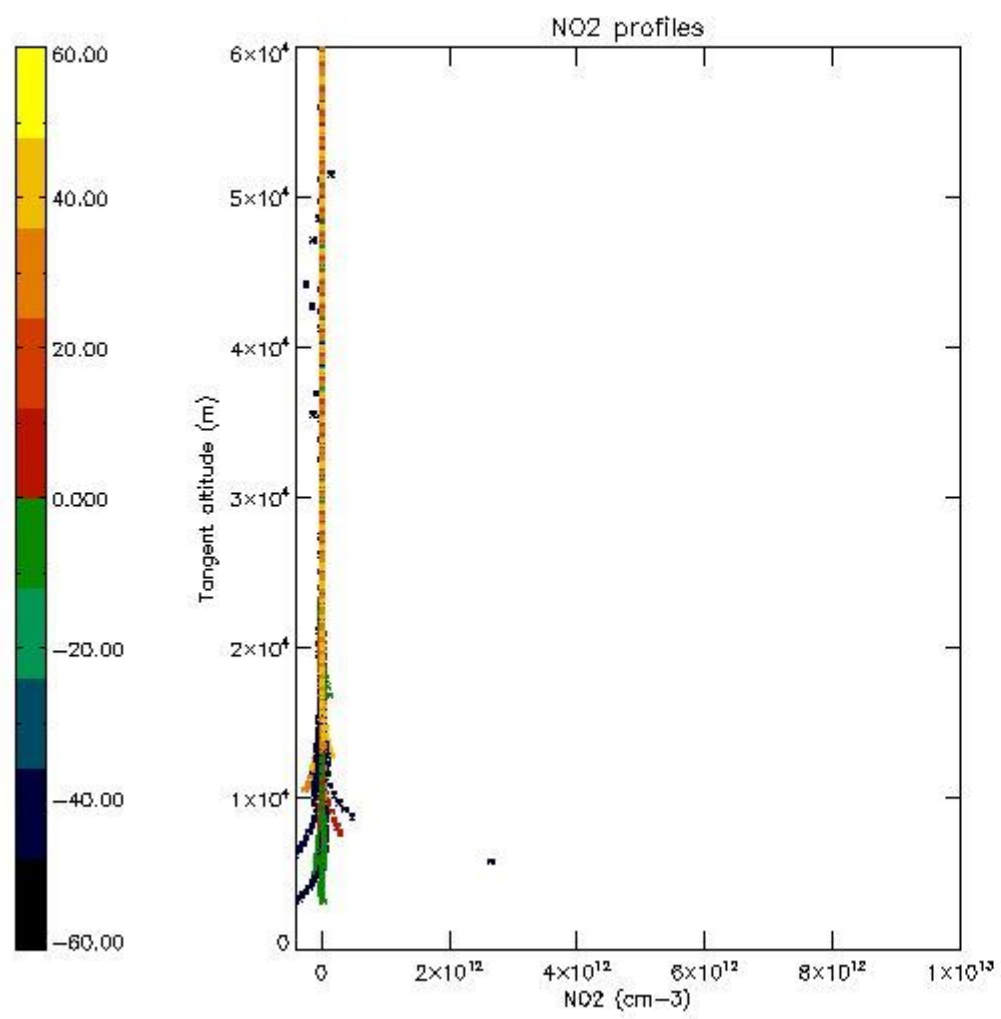
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



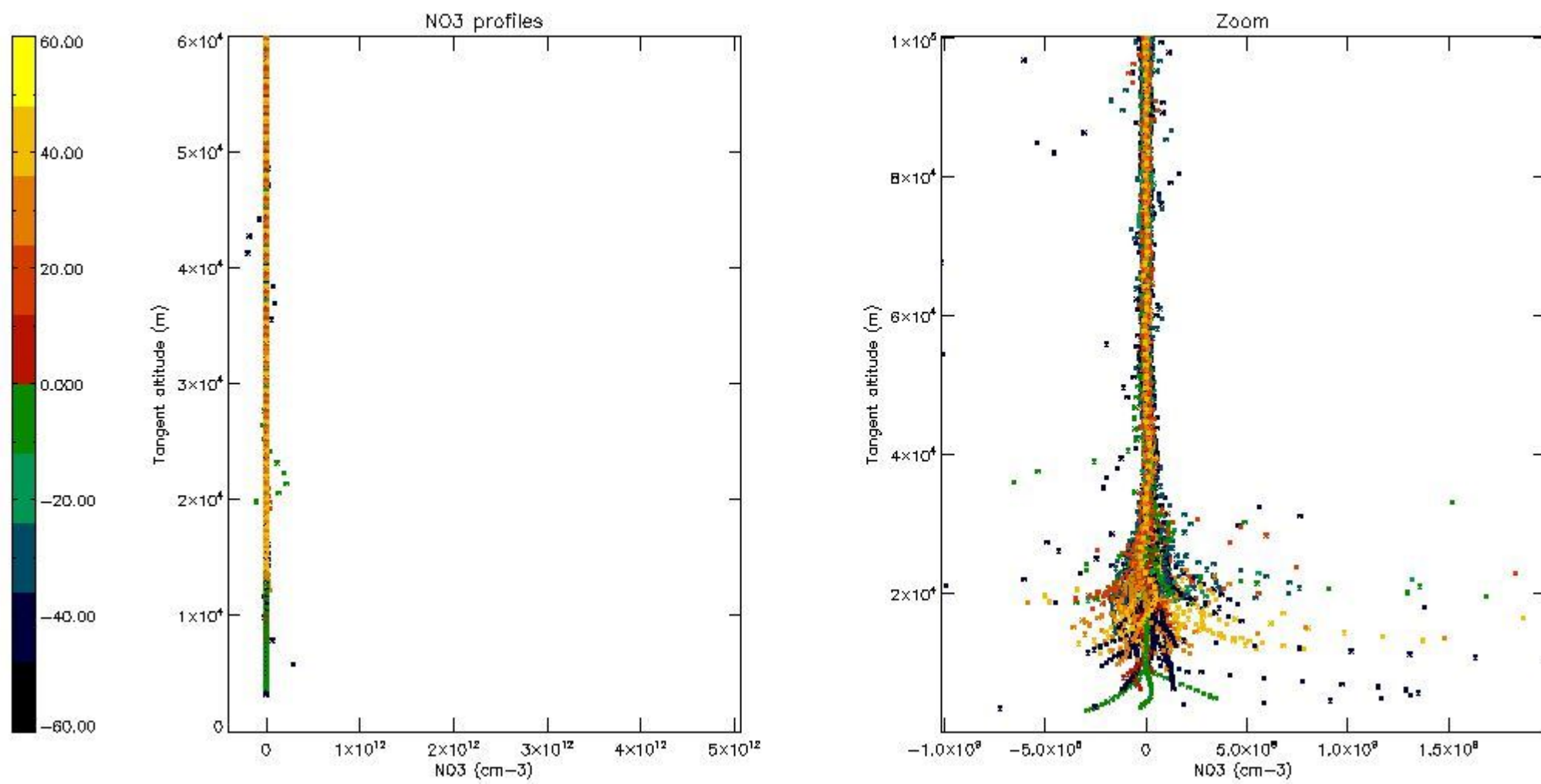
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



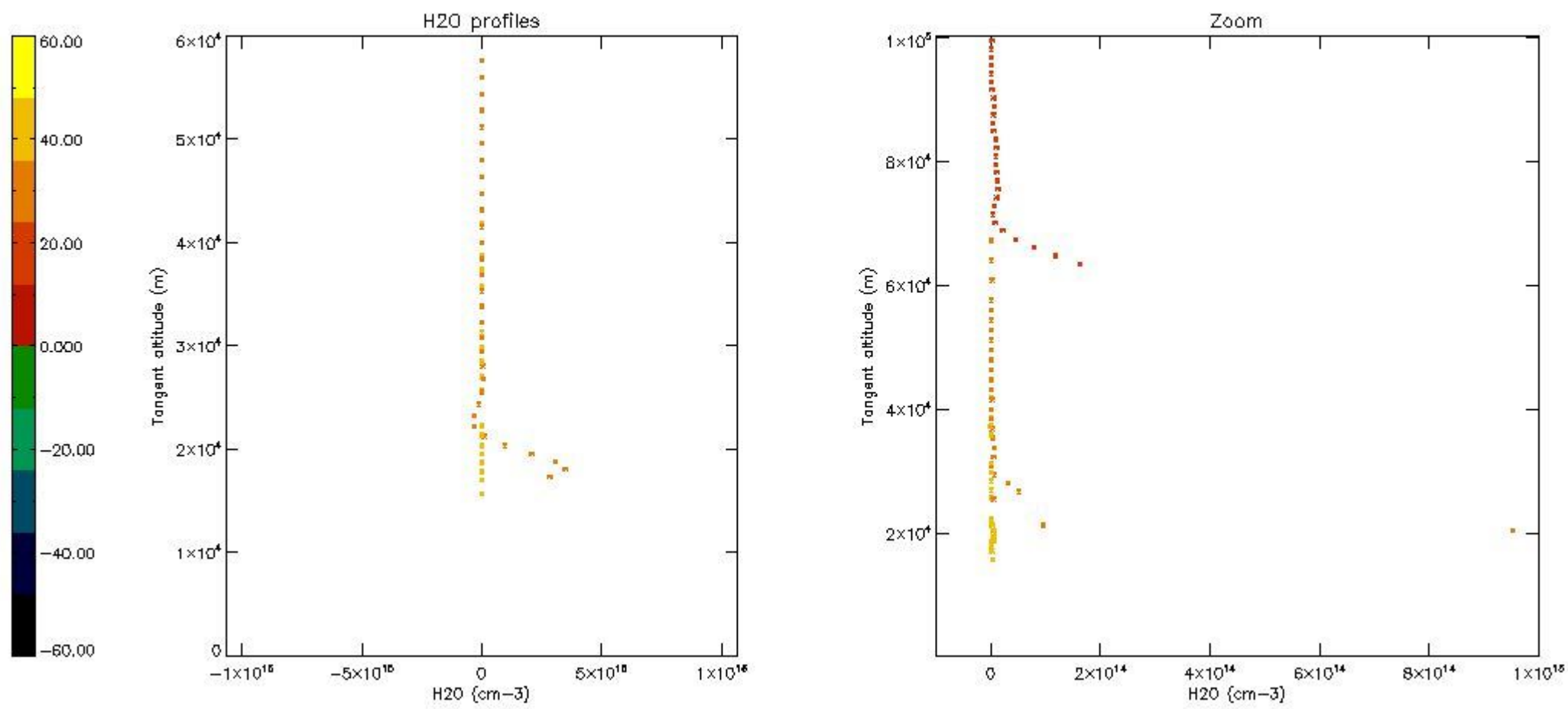
5.7 Plot NO3 profiles for all STD (dark without errors)

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	31-JAN-2010 00:00:47
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-JAN-2010 00:00:47
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-JAN-2010 00:00:47

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 17:01:52
Data source version	GOMOS/6.01
Start time of products	31-01-2010 (31JAN2010 00:00:00)
Stop time of products	01-02-2010 (01FEB2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	365
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__2PRFIN20100131_000047_000000392086_00274_41410_2744.N1	31-JAN-2010 00:00:47	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	41410	No
2	GOM_NL__2PRFIN20100131_000253_000000382086_00274_41410_2745.N1	31-JAN-2010 00:02:53	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	41410	No
3	GOM_NL__2PRFIN20100131_000620_000000402086_00274_41410_2746.N1	31-JAN-2010 00:06:20	Straylight	39.500	88	31Eta CMa	2.4480	20000.	79	41410	No
4	GOM_NL__2PRFIN20100131_001603_000000472086_00274_41410_2747.N1	31-JAN-2010 00:16:03	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	41410	No
5	GOM_NL__2PRFIN20100131_002151_000000382086_00274_41410_2748.N1	31-JAN-2010 00:21:51	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41410	No
6	GOM_NL__2PRFIN20100131_002349_000000402086_00274_41410_2749.N1	31-JAN-2010 00:23:49	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	41410	No
7	GOM_NL__2PRFIN20100131_003959_000000342086_00274_41410_2750.N1	31-JAN-2010 00:39:59	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41410	No
8	GOM_NL__2PRFIN20100131_004308_000000412086_00274_41410_2751.N1	31-JAN-2010 00:43:08	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41410	No
9	GOM_NL__2PRFIN20100131_004750_000000412086_00274_41410_2752.N1	31-JAN-2010 00:47:50	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41410	No
10	GOM_NL__2PRFIN20100131_005058_000000412086_00274_41410_2753.N1	31-JAN-2010 00:50:58	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41410	No
11	GOM_NL__2PRFIN20100131_005434_000000362086_00274_41410_2754.N1	31-JAN-2010 00:54:34	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	41410	No
12	GOM_NL__2PRFIN20100131_005736_000000442086_00274_41410_2755.N1	31-JAN-2010 00:57:36	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	41410	No
13	GOM_NL__2PRFIN20100131_010244_000000552086_00274_41410_2756.N1	31-JAN-2010 01:02:44	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41410	No
14	GOM_NL__2PRFIN20100131_010452_000000362086_00274_41410_2757.N1	31-JAN-2010 01:04:52	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	41410	No
15	GOM_NL__2PRFIN20100131_011118_000000432086_00274_41410_2758.N1	31-JAN-2010 01:11:18	Twilight	43.000	86	35Eta Oph	2.4300	10200.	86	41410	No
16	GOM_NL__2PRFIN20100131_011534_000000492086_00274_41410_2759.N1	31-JAN-2010 01:15:34	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41410	No
17	GOM_NL__2PRFIN20100131_012119_000000442086_00274_41410_2760.N1	31-JAN-2010 01:21:19	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41410	No
18	GOM_NL__2PRFIN20100131_012332_000000452086_00274_41410_2746.N1	31-JAN-2010 01:23:32	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41410	No
19	GOM_NL__2PRFIN20100131_012634_000000532086_00275_41411_2747.N1	31-JAN-2010 01:26:34	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	41411	No
20	GOM_NL__2PRFIN20100131_012827_000000432086_00275_41411_2748.N1	31-JAN-2010 01:28:27	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41411	No
21	GOM_NL__2PRFIN20100131_013110_000000452086_00275_41411_2749.N1	31-JAN-2010 01:31:10	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	41411	No
22	GOM_NL__2PRFIN20100131_013307_000000462086_00275_41411_2750.N1	31-JAN-2010 01:33:07	Dark	45.500	99	Del Cen	2.5750	26000.	91	41411	No
23	GOM_NL__2PRFIN20100131_013511_000000382086_00275_41411_2751.N1	31-JAN-2010 01:35:11	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41411	No
24	GOM_NL__2PRFIN20100131_013706_000000392086_00275_41411_2752.N1	31-JAN-2010 01:37:06	Dark	39.000	71	lot Car	2.2460	7700.0	78	41411	No
25	GOM_NL__2PRFIN20100131_013851_000000402086_00275_41411_2753.N1	31-JAN-2010 01:38:51	Dark	39.500	46	Del Vel	1.9540	10600.	79	41411	No
26	GOM_NL__2PRFIN20100131_014123_000000402086_00275_41411_2754.N1	31-JAN-2010 01:41:23	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41411	No
27	GOM_NL__2PRFIN20100131_014329_000000422086_00275_41411_2755.N1	31-JAN-2010 01:43:29	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41411	No
28	GOM_NL__2PRFIN20100131_014658_000000392086_00275_41411_2756.N1	31-JAN-2010 01:46:58	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	41411	No
29	GOM_NL__2PRFIN20100131_015640_000000512086_00275_41411_2757.N1	31-JAN-2010 01:56:40	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	41411	No
30	GOM_NL__2PRFIN20100131_020227_000000382086_00275_41411_2758.N1	31-JAN-2010 02:02:27	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41411	No
31	GOM_NL__2PRFIN20100131_020425_000000402086_00275_41411_2759.N1	31-JAN-2010 02:04:25	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41411	No
32	GOM_NL__2PRFIN20100131_022034_000000342086_00275_41411_2760.N1	31-JAN-2010 02:20:34	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41411	No
33	GOM_NL__2PRFIN20100131_022344_000000422086_00275_41411_2761.N1	31-JAN-2010 02:23:44	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41411	No
34	GOM_NL__2PRFIN20100131_022826_000000422086_00275_41411_2762.N1	31-JAN-2010 02:28:26	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41411	No
35	GOM_NL__2PRFIN20100131_023134_000000372086_00275_41411_2763.N1	31-JAN-2010 02:31:34	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41411	No
36	GOM_NL__2PRFIN20100131_023510_000000412086_00275_41411_2764.N1	31-JAN-2010 02:35:10	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	41411	No
37	GOM_NL__2PRFIN20100131_023812_000000422086_00275_41411_2765.N1	31-JAN-2010 02:38:12	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41411	No
38	GOM_NL__2PRFIN20100131_024320_000000552086_00275_41411_2766.N1	31-JAN-2010 02:43:20	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41411	No
39	GOM_NL__2PRFIN20100131_024528_000000542086_00275_41411_2767.N1	31-JAN-2010 02:45:28	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41411	No
40	GOM_NL__2PRFIN20100131_025155_000000412086_00275_41411_2768.N1	31-JAN-2010 02:51:55	Twilight	41.000	86	35Eta Oph	2.4300	10200.	82	41411	No
41	GOM_NL__2PRFIN20100131_025610_000000562086_00275_41411_2769.N1	31-JAN-2010 02:56:10	Dark	55.500	16	21Alp Sco	1.0200	3000.0	111	41411	No
42	GOM_NL__2PRFIN20100131_030156_000000422086_00275_41411_2770.N1	31-JAN-2010 03:01:56	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41411	No

102	GOM_NL__2PRFIN20100131_064040_000000432086_00278_41414_2797.N1	31-JAN-2010 06:40:40	Dark	42.500	46	Del Vel	1.9540	10600.	85	41414	No
103	GOM_NL__2PRFIN20100131_064312_000000402086_00278_41414_2798.N1	31-JAN-2010 06:43:12	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	41414	No
104	GOM_NL__2PRFIN20100131_064518_000000392086_00278_41414_2799.N1	31-JAN-2010 06:45:18	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	41414	No
105	GOM_NL__2PRFIN20100131_064940_000000412086_00278_41414_2800.N1	31-JAN-2010 06:49:40	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41414	No
106	GOM_NL__2PRFIN20100131_065828_000000532086_00278_41414_2801.N1	31-JAN-2010 06:58:28	Tw_i_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	41414	No
107	GOM_NL__2PRFIN20100131_070415_000000402086_00278_41414_2802.N1	31-JAN-2010 07:04:15	Bright	39.500	170	27Eps Gem	3.0000	9700.0	79	41414	No
108	GOM_NL__2PRFIN20100131_070612_000000392086_00278_41414_2803.N1	31-JAN-2010 07:06:12	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41414	No
109	GOM_NL__2PRFIN20100131_072223_000000382086_00278_41414_2804.N1	31-JAN-2010 07:22:23	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41414	No
110	GOM_NL__2PRFIN20100131_072531_000000392086_00278_41414_2805.N1	31-JAN-2010 07:25:31	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41414	No
111	GOM_NL__2PRFIN20100131_073013_000000422086_00278_41414_2806.N1	31-JAN-2010 07:30:13	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41414	No
112	GOM_NL__2PRFIN20100131_073322_000000392086_00278_41414_2807.N1	31-JAN-2010 07:33:22	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41414	No
113	GOM_NL__2PRFIN20100131_073658_000000342086_00278_41414_2808.N1	31-JAN-2010 07:36:58	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	41414	No
114	GOM_NL__2PRFIN20100131_074001_000000412086_00278_41414_2809.N1	31-JAN-2010 07:40:01	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	41414	No
115	GOM_NL__2PRFIN20100131_074509_000000552086_00278_41414_2810.N1	31-JAN-2010 07:45:09	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41414	No
116	GOM_NL__2PRFIN20100131_074717_000000542086_00278_41414_2811.N1	31-JAN-2010 07:47:17	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41414	No
117	GOM_NL__2PRFIN20100131_075344_000000452086_00278_41414_2812.N1	31-JAN-2010 07:53:44	Tw_i_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	41414	No
118	GOM_NL__2PRFIN20100131_075800_000000482086_00278_41414_2813.N1	31-JAN-2010 07:58:00	Dark	48.000	16	21Alp Sco	1.0200	3000.0	96	41414	No
119	GOM_NL__2PRFIN20100131_075922_000000472086_00278_41414_2814.N1	31-JAN-2010 07:59:22	Dark	46.500	158	6Pi Sco	2.9060	28000.	93	41414	No
120	GOM_NL__2PRFIN20100131_080347_000000412086_00278_41414_2815.N1	31-JAN-2010 08:03:47	Dark	41.000	131	Gam Lup	2.8000	26000.	82	41414	No
121	GOM_NL__2PRFIN20100131_080559_000000452086_00279_41415_2798.N1	31-JAN-2010 08:05:59	Dark	45.000	109	Bet Lup	2.6770	26000.	90	41415	No
122	GOM_NL__2PRFIN20100131_080900_000000412086_00279_41415_2799.N1	31-JAN-2010 08:09:00	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41415	No
123	GOM_NL__2PRFIN20100131_081054_000000432086_00279_41415_2800.N1	31-JAN-2010 08:10:54	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41415	No
124	GOM_NL__2PRFIN20100131_081336_000000402086_00279_41415_2801.N1	31-JAN-2010 08:13:36	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41415	No
125	GOM_NL__2PRFIN20100131_081534_000000452086_00279_41415_2802.N1	31-JAN-2010 08:15:34	Dark	45.000	99	Del Cen	2.5750	26000.	90	41415	No
126	GOM_NL__2PRFIN20100131_081736_000000382086_00279_41415_2803.N1	31-JAN-2010 08:17:36	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41415	No
127	GOM_NL__2PRFIN20100131_081931_000000462086_00279_41415_2804.N1	31-JAN-2010 08:19:31	Dark	46.000	71	lot Car	2.2460	7700.0	92	41415	No
128	GOM_NL__2PRFIN20100131_082116_000000442086_00279_41415_2805.N1	31-JAN-2010 08:21:16	Dark	43.500	46	Del Vel	1.9540	10600.	87	41415	No
129	GOM_NL__2PRFIN20100131_082348_000000412086_00279_41415_2806.N1	31-JAN-2010 08:23:48	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	41415	No
130	GOM_NL__2PRFIN20100131_082553_000000402086_00279_41415_2807.N1	31-JAN-2010 08:25:53	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41415	No
131	GOM_NL__2PRFIN20100131_083017_000000422086_00279_41415_2808.N1	31-JAN-2010 08:30:17	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	41415	No
132	GOM_NL__2PRFIN20100131_083903_000000452086_00279_41415_2809.N1	31-JAN-2010 08:39:03	Tw_i_and_stray	44.500	8	10Alp CMi	0.40000	6500.0	89	41415	No
133	GOM_NL__2PRFIN20100131_084451_000000392086_00279_41415_2810.N1	31-JAN-2010 08:44:51	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	41415	No
134	GOM_NL__2PRFIN20100131_084648_000000402086_00279_41415_2811.N1	31-JAN-2010 08:46:48	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41415	No
135	GOM_NL__2PRFIN20100131_090258_000000362086_00279_41415_2812.N1	31-JAN-2010 09:02:58	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41415	No
136	GOM_NL__2PRFIN20100131_090607_000000422086_00279_41415_2813.N1	31-JAN-2010 09:06:07	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41415	No
137	GOM_NL__2PRFIN20100131_091049_000000402086_00279_41415_2814.N1	31-JAN-2010 09:10:49	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41415	No
138	GOM_NL__2PRFIN20100131_091358_000000382086_00279_41415_2815.N1	31-JAN-2010 09:13:58	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41415	No
139	GOM_NL__2PRFIN20100131_091734_000000332086_00279_41415_2816.N1	31-JAN-2010 09:17:34	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	41415	No
140	GOM_NL__2PRFIN20100131_092037_000000412086_00279_41415_2817.N1	31-JAN-2010 09:20:37	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	41415	No
141	GOM_NL__2PRFIN20100131_092546_000000362086_00279_41415_2818.N1	31-JAN-2010 09:25:46	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	41415	No
142	GOM_NL__2PRFIN20100131_092753_000000542086_00279_41415_2819.N1	31-JAN-2010 09:27:53	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41415	No
143	GOM_NL__2PRFIN20100131_093420_000000432086_00279_41415_2820.N1	31-JAN-2010 09:34:20	Tw_i_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41415	No
144	GOM_NL__2PRFIN20100131_093837_000000552086_00279_41415_2821.N1	31-JAN-2010 09:38:37	Dark	55.000	16	21Alp Sco	1.0200	3000.0	110	41415	No
145	GOM_NL__2PRFIN20100131_093959_000000472086_00279_41415_2822.N1	31-JAN-2010 09:39:59	Dark	47.000	158	6Pi Sco	2.9060	28000.	94	41415	No
146	GOM_NL__2PRFIN20100131_094423_000000432086_00279_41415_2823.N1	31-JAN-2010 09:44:23	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41415	No
147	GOM_NL__2PRFIN20100131_094636_000000452086_00280_41416_2806.N1	31-JAN-2010 09:46:36	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41416	No
148	GOM_NL__2PRFIN20100131_094936_000000422086_00280_41416_2807.N1	31-JAN-2010 09:49:36	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41416	No
149	GOM_NL__2PRFIN20100131_095131_000000422086_00280_41416_2808.N1	31-JAN-2010 09:51:31	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41416	No
150	GOM_NL__2PRFIN20100131_095412_000000422086_00280_41416_2809.N1	31-JAN-2010 09:54:12	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41416	No
151	GOM_NL__2PRFIN20100131_095611_000000442086_00280_41416_2810.N1	31-JAN-2010 09:56:11	Dark	43.500	99	Del Cen	2.5750	26000.	87	41416	No
152	GOM_NL__2PRFIN20100131_095812_000000402086_00280_41416_2811.N1	31-JAN-2010 09:58:12	Dark	40.000	159	Ups Car	2.9200	7200.0	80	41416	No
153	GOM_NL__2PRFIN20100131_100007_000000402086_00280_41416_2812.N1	31-JAN-2010 10:00:07	Dark	40.000	71	lot Car	2.2460	7700.0	80	41416	No
154	GOM_NL__2PRFIN20100131_100153_000000412086_00280_41416_2813.N1	31-JAN-2010 10:01:53	Dark	41.000	46	Del Vel	1.9540	10600.	82	41416	No
155	GOM_NL__2PRFIN20100131_100424_000000432086_00280_41416_2814.N1	31-JAN-2010 10:04:24	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41416	No
156	GOM_NL__2PRFIN20100131_100630_000000402086_00280_41416_2815.N1	31-JAN-2010 10:06:30	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41416	No
157	GOM_NL__2PRFIN20100131_101052_000000432086_00280_41416_2816.N1	31-JAN-2010 10:10:52	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	41416	No
158	GOM_NL__2PRFIN20100131_101939_000000452086_00280_41416_2817.N1	31-JAN-2010 10:19:39	Tw_i_and_stray	44.500	8	10Alp CMi	0.40000	6500.0	89	41416	No
159	GOM_NL__2PRFIN20100131_102527_000000382086_00280_41416_2818.N1	31-JAN-2010 10:25:27	Bright	37.500	170	27Eps Gem	3.0000	9700.0	75	41416	No
160	GOM_NL__2PRFIN20100131_102724_000000402086_00280_41416_2819.N1	31-JAN-2010 10:27:24	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41416	No

161	GOM_NL_2PRFIN20100131_104334_000000362086_00280_41416_2820.N1	31-JAN-2010 10:43:34	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41416	No
162	GOM_NL_2PRFIN20100131_104642_000000382086_00280_41416_2821.N1	31-JAN-2010 10:46:42	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	41416	No
163	GOM_NL_2PRFIN20100131_105124_000000422086_00280_41416_2822.N1	31-JAN-2010 10:51:24	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41416	No
164	GOM_NL_2PRFIN20100131_105434_000000362086_00280_41416_2823.N1	31-JAN-2010 10:54:34	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41416	No
165	GOM_NL_2PRFIN20100131_105810_000000362086_00280_41416_2824.N1	31-JAN-2010 10:58:10	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	41416	No
166	GOM_NL_2PRFIN20100131_110113_000000592086_00280_41416_2825.N1	31-JAN-2010 11:01:13	Bright	59.000	133	40Zet Her	2.8070	6000.0	118	41416	No
167	GOM_NL_2PRFIN20100131_110622_000000422086_00280_41416_2826.N1	31-JAN-2010 11:06:22	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	41416	No
168	GOM_NL_2PRFIN20100131_110829_000000382086_00280_41416_2827.N1	31-JAN-2010 11:08:29	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	41416	No
169	GOM_NL_2PRFIN20100131_111457_000000412086_00280_41416_2828.N1	31-JAN-2010 11:14:57	Twl_and_stray	41.000	86	35Eta Oph	2.4300	10200.	82	41416	No
170	GOM_NL_2PRFIN20100131_111913_000000552086_00280_41416_2829.N1	31-JAN-2010 11:19:13	Dark	54.500	16	21Alp Sco	1.0200	3000.0	109	41416	No
171	GOM_NL_2PRFIN20100131_112035_000000472086_00280_41416_2830.N1	31-JAN-2010 11:20:35	Dark	47.000	158	6Pi Sco	2.9060	28000.	94	41416	No
172	GOM_NL_2PRFIN20100131_112500_000000432086_00280_41416_2831.N1	31-JAN-2010 11:25:00	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41416	No
173	GOM_NL_2PRFIN20100131_112713_000000452086_00281_41417_2814.N1	31-JAN-2010 11:27:13	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41417	No
174	GOM_NL_2PRFIN20100131_113013_000000432086_00281_41417_2815.N1	31-JAN-2010 11:30:13	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41417	No
175	GOM_NL_2PRFIN20100131_113207_000000432086_00281_41417_2816.N1	31-JAN-2010 11:32:07	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41417	No
176	GOM_NL_2PRFIN20100131_113449_000000442086_00281_41417_2817.N1	31-JAN-2010 11:34:49	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	41417	No
177	GOM_NL_2PRFIN20100131_113648_000000442086_00281_41417_2818.N1	31-JAN-2010 11:36:48	Dark	44.000	99	Del Cen	2.5750	26000.	88	41417	No
178	GOM_NL_2PRFIN20100131_113849_000000392086_00281_41417_2819.N1	31-JAN-2010 11:38:49	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41417	No
179	GOM_NL_2PRFIN20100131_114044_000000382086_00281_41417_2820.N1	31-JAN-2010 11:40:44	Dark	37.500	71	lot Car	2.2460	7700.0	75	41417	No
180	GOM_NL_2PRFIN20100131_114229_000000422086_00281_41417_2821.N1	31-JAN-2010 11:42:29	Dark	42.000	46	Del Vel	1.9540	10600.	84	41417	No
181	GOM_NL_2PRFIN20100131_114501_000000422086_00281_41417_2822.N1	31-JAN-2010 11:45:01	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41417	No
182	GOM_NL_2PRFIN20100131_114706_000000412086_00281_41417_2823.N1	31-JAN-2010 11:47:06	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41417	No
183	GOM_NL_2PRFIN20100131_115128_000000422086_00281_41417_2824.N1	31-JAN-2010 11:51:28	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41417	No
184	GOM_NL_2PRFIN20100131_120015_000000472086_00281_41417_2825.N1	31-JAN-2010 12:00:15	Twl_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41417	No
185	GOM_NL_2PRFIN20100131_120603_000000382086_00281_41417_2826.N1	31-JAN-2010 12:06:03	Bright	37.500	170	27Eps Gem	3.0000	9700.0	75	41417	No
186	GOM_NL_2PRFIN20100131_120759_000000382086_00281_41417_2827.N1	31-JAN-2010 12:07:59	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41417	No
187	GOM_NL_2PRFIN20100131_122410_000000372086_00281_41417_2828.N1	31-JAN-2010 12:24:10	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41417	No
188	GOM_NL_2PRFIN20100131_123200_000000402086_00281_41417_2829.N1	31-JAN-2010 12:32:00	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41417	No
189	GOM_NL_2PRFIN20100131_123510_000000352086_00281_41417_2830.N1	31-JAN-2010 12:35:10	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	41417	No
190	GOM_NL_2PRFIN20100131_123846_000000432086_00281_41417_2831.N1	31-JAN-2010 12:38:46	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	41417	No
191	GOM_NL_2PRFIN20100131_124149_000000442086_00281_41417_2832.N1	31-JAN-2010 12:41:49	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	41417	No
192	GOM_NL_2PRFIN20100131_124658_000000552086_00281_41417_2833.N1	31-JAN-2010 12:46:58	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41417	No
193	GOM_NL_2PRFIN20100131_124906_000000362086_00281_41417_2834.N1	31-JAN-2010 12:49:06	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	41417	No
194	GOM_NL_2PRFIN20100131_125533_000000442086_00281_41417_2835.N1	31-JAN-2010 12:55:33	Twl_and_stray	43.500	86	35Eta Oph	2.4300	10200.	87	41417	No
195	GOM_NL_2PRFIN20100131_125950_000000592086_00281_41417_2836.N1	31-JAN-2010 12:59:50	Dark	59.000	16	21Alp Sco	1.0200	3000.0	118	41417	No
196	GOM_NL_2PRFIN20100131_130112_000000462086_00281_41417_2837.N1	31-JAN-2010 13:01:12	Dark	45.500	158	6Pi Sco	2.9060	28000.	91	41417	No
197	GOM_NL_2PRFIN20100131_130536_000000442086_00281_41417_2838.N1	31-JAN-2010 13:05:36	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41417	No
198	GOM_NL_2PRFIN20100131_130749_000000452086_00282_41418_2822.N1	31-JAN-2010 13:07:49	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41418	No
199	GOM_NL_2PRFIN20100131_131049_000000422086_00282_41418_2823.N1	31-JAN-2010 13:10:49	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41418	No
200	GOM_NL_2PRFIN20100131_131244_000000442086_00282_41418_2824.N1	31-JAN-2010 13:12:44	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41418	No
201	GOM_NL_2PRFIN20100131_131525_000000442086_00282_41418_2825.N1	31-JAN-2010 13:15:25	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41418	No
202	GOM_NL_2PRFIN20100131_131724_000000462086_00282_41418_2826.N1	31-JAN-2010 13:17:24	Dark	45.500	99	Del Cen	2.5750	26000.	91	41418	No
203	GOM_NL_2PRFIN20100131_131925_000000432086_00282_41418_2827.N1	31-JAN-2010 13:19:25	Dark	43.000	159	Ups Car	2.9200	7200.0	86	41418	No
204	GOM_NL_2PRFIN20100131_132120_000000422086_00282_41418_2828.N1	31-JAN-2010 13:21:20	Dark	41.500	71	lot Car	2.2460	7700.0	83	41418	No
205	GOM_NL_2PRFIN20100131_132305_000000442086_00282_41418_2829.N1	31-JAN-2010 13:23:05	Dark	43.500	46	Del Vel	1.9540	10600.	87	41418	No
206	GOM_NL_2PRFIN20100131_132537_000000432086_00282_41418_2830.N1	31-JAN-2010 13:25:37	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41418	No
207	GOM_NL_2PRFIN20100131_132742_000000402086_00282_41418_2831.N1	31-JAN-2010 13:27:42	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	41418	No
208	GOM_NL_2PRFIN20100131_133205_000000412086_00282_41418_2832.N1	31-JAN-2010 13:32:05	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41418	No
209	GOM_NL_2PRFIN20100131_134051_000000472086_00282_41418_2833.N1	31-JAN-2010 13:40:51	Twl_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41418	No
210	GOM_NL_2PRFIN20100131_134639_000000392086_00282_41418_2834.N1	31-JAN-2010 13:46:39	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	41418	No
211	GOM_NL_2PRFIN20100131_134835_000000392086_00282_41418_2835.N1	31-JAN-2010 13:48:35	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41418	No
212	GOM_NL_2PRFIN20100131_140446_000000342086_00282_41418_2836.N1	31-JAN-2010 14:04:46	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41418	No
213	GOM_NL_2PRFIN20100131_140754_000000412086_00282_41418_2837.N1	31-JAN-2010 14:07:54	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41418	No
214	GOM_NL_2PRFIN20100131_141236_000000412086_00282_41418_2838.N1	31-JAN-2010 14:12:36	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41418	No
215	GOM_NL_2PRFIN20100131_141545_000000382086_00282_41418_2839.N1	31-JAN-2010 14:15:45	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41418	No
216	GOM_NL_2PRFIN20100131_141923_000000392086_00282_41418_2840.N1	31-JAN-2010 14:19:23	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41418	No
217	GOM_NL_2PRFIN20100131_142225_000000422086_00282_41418_2841.N1	31-JAN-2010 14:22:25	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41418	No
218	GOM_NL_2PRFIN20100131_142734_000000362086_00282_41418_2842.N1	31-JAN-2010 14:27:34	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	41418	No
219	GOM_NL_2PRFIN20100131_142942_000000542086_00282_41418_2843.N1	31-JAN-2010 14:29:42	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41418	No

220	GOM_NL__2PRFIN20100131_143609_000000432086_00282_41418_2844.N1	31-JAN-2010 14:36:09	Twl_and_stray	42.500	86	35Eta Oph	2.4300	10200.	85	41418	No
221	GOM_NL__2PRFIN20100131_144027_000000492086_00282_41418_2845.N1	31-JAN-2010 14:40:27	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41418	No
222	GOM_NL__2PRFIN20100131_144149_000000452086_00282_41418_2846.N1	31-JAN-2010 14:41:49	Dark	44.500	158	6Pi Sco	2.9060	28000.	89	41418	No
223	GOM_NL__2PRFIN20100131_144613_000000432086_00282_41418_2847.N1	31-JAN-2010 14:46:13	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41418	No
224	GOM_NL__2PRFIN20100131_144826_000000452086_00283_41419_2830.N1	31-JAN-2010 14:48:26	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41419	No
225	GOM_NL__2PRFIN20100131_145126_000000412086_00283_41419_2831.N1	31-JAN-2010 14:51:26	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41419	No
226	GOM_NL__2PRFIN20100131_145320_000000442086_00283_41419_2832.N1	31-JAN-2010 14:53:20	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41419	No
227	GOM_NL__2PRFIN20100131_145601_000000442086_00283_41419_2833.N1	31-JAN-2010 14:56:01	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41419	No
228	GOM_NL__2PRFIN20100131_145801_000000442086_00283_41419_2834.N1	31-JAN-2010 14:58:01	Dark	44.000	99	Del Cen	2.5750	26000.	88	41419	No
229	GOM_NL__2PRFIN20100131_150001_000000372086_00283_41419_2835.N1	31-JAN-2010 15:00:01	Dark	37.000	159	Ups Car	2.9200	7200.0	74	41419	No
230	GOM_NL__2PRFIN20100131_150156_000000462086_00283_41419_2836.N1	31-JAN-2010 15:01:56	Dark	45.500	71	lot Car	2.2460	7700.0	91	41419	No
231	GOM_NL__2PRFIN20100131_150341_000000432086_00283_41419_2837.N1	31-JAN-2010 15:03:41	Dark	43.000	46	Del Vel	1.9540	10600.	86	41419	No
232	GOM_NL__2PRFIN20100131_150613_000000432086_00283_41419_2838.N1	31-JAN-2010 15:06:13	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41419	No
233	GOM_NL__2PRFIN20100131_150818_000000402086_00283_41419_2839.N1	31-JAN-2010 15:08:18	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	41419	No
234	GOM_NL__2PRFIN20100131_151241_000000422086_00283_41419_2840.N1	31-JAN-2010 15:12:41	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41419	No
235	GOM_NL__2PRFIN20100131_152127_000000482086_00283_41419_2841.N1	31-JAN-2010 15:21:27	Twl_and_stray	48.000	8	10Alp CMI	0.40000	6500.0	96	41419	No
236	GOM_NL__2PRFIN20100131_152715_000000382086_00283_41419_2842.N1	31-JAN-2010 15:27:15	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41419	No
237	GOM_NL__2PRFIN20100131_152911_000000542086_00283_41419_2843.N1	31-JAN-2010 15:29:11	Bright	54.000	24	66Alp Gem	1.5800	10200.	108	41419	No
238	GOM_NL__2PRFIN20100131_154522_000000372086_00283_41419_2844.N1	31-JAN-2010 15:45:22	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41419	No
239	GOM_NL__2PRFIN20100131_154829_000000422086_00283_41419_2845.N1	31-JAN-2010 15:48:29	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41419	No
240	GOM_NL__2PRFIN20100131_155312_000000442086_00283_41419_2846.N1	31-JAN-2010 15:53:12	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	41419	No
241	GOM_NL__2PRFIN20100131_155621_000000412086_00283_41419_2847.N1	31-JAN-2010 15:56:21	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41419	No
242	GOM_NL__2PRFIN20100131_155958_000000382086_00283_41419_2848.N1	31-JAN-2010 15:59:58	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41419	No
243	GOM_NL__2PRFIN20100131_160301_000000412086_00283_41419_2849.N1	31-JAN-2010 16:03:01	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	41419	No
244	GOM_NL__2PRFIN20100131_160810_000000552086_00283_41419_2850.N1	31-JAN-2010 16:08:10	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	41419	No
245	GOM_NL__2PRFIN20100131_161018_000000442086_00283_41419_2851.N1	31-JAN-2010 16:10:18	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	41419	No
246	GOM_NL__2PRFIN20100131_161646_000000432086_00283_41419_2852.N1	31-JAN-2010 16:16:46	Twl_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41419	No
247	GOM_NL__2PRFIN20100131_162103_000000492086_00283_41419_2853.N1	31-JAN-2010 16:21:03	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41419	No
248	GOM_NL__2PRFIN20100131_162226_000000462086_00283_41419_2854.N1	31-JAN-2010 16:22:26	Dark	45.500	158	6Pi Sco	2.9060	28000.	91	41419	No
249	GOM_NL__2PRFIN20100131_162650_000000422086_00283_41419_2855.N1	31-JAN-2010 16:26:50	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41419	No
250	GOM_NL__2PRFIN20100131_162903_000000442086_00284_41420_2838.N1	31-JAN-2010 16:29:03	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41420	No
251	GOM_NL__2PRFIN20100131_163203_000000442086_00284_41420_2839.N1	31-JAN-2010 16:32:03	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41420	No
252	GOM_NL__2PRFIN20100131_163357_000000432086_00284_41420_2840.N1	31-JAN-2010 16:33:57	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41420	No
253	GOM_NL__2PRFIN20100131_163638_000000432086_00284_41420_2841.N1	31-JAN-2010 16:36:38	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	41420	No
254	GOM_NL__2PRFIN20100131_163838_000000442086_00284_41420_2842.N1	31-JAN-2010 16:38:38	Dark	44.000	99	Del Cen	2.5750	26000.	88	41420	No
255	GOM_NL__2PRFIN20100131_164037_000000382086_00284_41420_2843.N1	31-JAN-2010 16:40:37	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41420	No
256	GOM_NL__2PRFIN20100131_164233_000000382086_00284_41420_2844.N1	31-JAN-2010 16:42:33	Dark	37.500	71	lot Car	2.2460	7700.0	75	41420	No
257	GOM_NL__2PRFIN20100131_164418_000000442086_00284_41420_2845.N1	31-JAN-2010 16:44:18	Dark	43.500	46	Del Vel	1.9540	10600.	87	41420	No
258	GOM_NL__2PRFIN20100131_164649_000000432086_00284_41420_2846.N1	31-JAN-2010 16:46:49	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41420	No
259	GOM_NL__2PRFIN20100131_164854_000000402086_00284_41420_2847.N1	31-JAN-2010 16:48:54	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41420	No
260	GOM_NL__2PRFIN20100131_165316_000000422086_00284_41420_2848.N1	31-JAN-2010 16:53:16	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41420	No
261	GOM_NL__2PRFIN20100131_170203_000000492086_00284_41420_2849.N1	31-JAN-2010 17:02:03	Twl_and_stray	49.000	8	10Alp CMI	0.40000	6500.0	98	41420	No
262	GOM_NL__2PRFIN20100131_170751_000000382086_00284_41420_2850.N1	31-JAN-2010 17:07:51	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41420	No
263	GOM_NL__2PRFIN20100131_170947_000000392086_00284_41420_2851.N1	31-JAN-2010 17:09:47	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41420	No
264	GOM_NL__2PRFIN20100131_172558_000000382086_00284_41420_2852.N1	31-JAN-2010 17:25:58	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41420	No
265	GOM_NL__2PRFIN20100131_172905_000000422086_00284_41420_2853.N1	31-JAN-2010 17:29:05	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41420	No
266	GOM_NL__2PRFIN20100131_173347_000000382086_00284_41420_2854.N1	31-JAN-2010 17:33:47	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	41420	No
267	GOM_NL__2PRFIN20100131_173657_000000352086_00284_41420_2855.N1	31-JAN-2010 17:36:57	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	41420	No
268	GOM_NL__2PRFIN20100131_174035_000000522086_00284_41420_2856.N1	31-JAN-2010 17:40:35	Bright	52.000	5	3Alp Lyr	0.033000	11000.	104	41420	No
269	GOM_NL__2PRFIN20100131_174337_000000392086_00284_41420_2857.N1	31-JAN-2010 17:43:37	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41420	No
270	GOM_NL__2PRFIN20100131_174847_000000382086_00284_41420_2858.N1	31-JAN-2010 17:48:47	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	41420	No
271	GOM_NL__2PRFIN20100131_175054_000000372086_00284_41420_2859.N1	31-JAN-2010 17:50:54	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	41420	No
272	GOM_NL__2PRFIN20100131_175723_000000432086_00284_41420_2860.N1	31-JAN-2010 17:57:23	Twl_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41420	No
273	GOM_NL__2PRFIN20100131_180140_000000492086_00284_41420_2861.N1	31-JAN-2010 18:01:40	Dark	48.500	16	21Alp Sco	1.0200	3000.0	97	41420	No
274	GOM_NL__2PRFIN20100131_180303_000000472086_00284_41420_2862.N1	31-JAN-2010 18:03:03	Dark	47.000	158	6Pi Sco	2.9060	28000.	94	41420	No
275	GOM_NL__2PRFIN20100131_180727_000000432086_00284_41420_2863.N1	31-JAN-2010 18:07:27	Dark	42.500	131	Gam Lup	2.8000	26000.	85	41420	No
276	GOM_NL__2PRFIN20100131_180940_000000452086_00285_41421_2846.N1	31-JAN-2010 18:09:40	Dark	44.500	109	Bet Lup	2.6770	26000.	89	41421	No
277	GOM_NL__2PRFIN20100131_181239_000000442086_00285_41421_2847.N1	31-JAN-2010 18:12:39	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41421	No
278	GOM_NL__2PRFIN20100131_181434_000000442086_00285_41421_2848.N1	31-JAN-2010 18:14:34	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41421	No

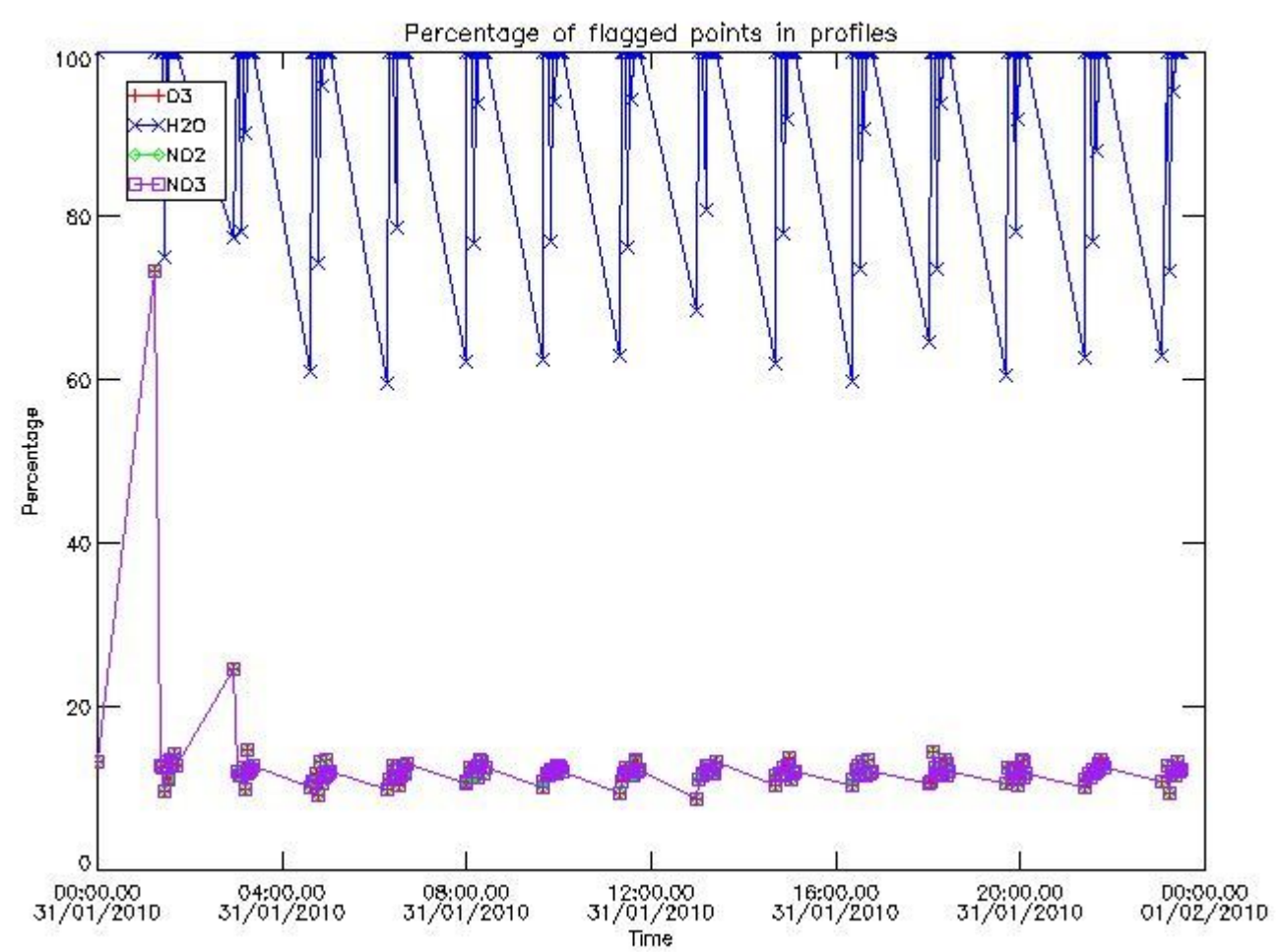
279	GOM_NL__2PRFIN20100131_181715_000000412086_00285_41421_2849.N1	31-JAN-2010 18:17:15	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	41421	No
280	GOM_NL__2PRFIN20100131_181915_000000442086_00285_41421_2850.N1	31-JAN-2010 18:19:15	Dark	44.000	99	Del Cen	2.5750	26000.	88	41421	No
281	GOM_NL__2PRFIN20100131_182114_000000382086_00285_41421_2851.N1	31-JAN-2010 18:21:14	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41421	No
282	GOM_NL__2PRFIN20100131_182309_000000392086_00285_41421_2852.N1	31-JAN-2010 18:23:09	Dark	39.000	71	lot Car	2.2460	7700.0	78	41421	No
283	GOM_NL__2PRFIN20100131_182454_000000442086_00285_41421_2853.N1	31-JAN-2010 18:24:54	Dark	44.000	46	Del Vel	1.9540	10600.	88	41421	No
284	GOM_NL__2PRFIN20100131_182725_000000422086_00285_41421_2854.N1	31-JAN-2010 18:27:25	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41421	No
285	GOM_NL__2PRFIN20100131_182930_000000412086_00285_41421_2855.N1	31-JAN-2010 18:29:30	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41421	No
286	GOM_NL__2PRFIN20100131_183353_000000412086_00285_41421_2856.N1	31-JAN-2010 18:33:53	Straylight	40.500	132	15Rho Pup	2.8030	6900.0	81	41421	No
287	GOM_NL__2PRFIN20100131_184239_000000472086_00285_41421_2857.N1	31-JAN-2010 18:42:39	Twl_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41421	No
288	GOM_NL__2PRFIN20100131_184827_000000382086_00285_41421_2858.N1	31-JAN-2010 18:48:27	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41421	No
289	GOM_NL__2PRFIN20100131_185023_000000382086_00285_41421_2859.N1	31-JAN-2010 18:50:23	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41421	No
290	GOM_NL__2PRFIN20100131_190634_000000442086_00285_41421_2860.N1	31-JAN-2010 19:06:34	Bright	43.500	49	1Alp UMi	1.9900	6300.0	87	41421	No
291	GOM_NL__2PRFIN20100131_190941_000000362086_00285_41421_2861.N1	31-JAN-2010 19:09:41	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41421	No
292	GOM_NL__2PRFIN20100131_191423_000000422086_00285_41421_2862.N1	31-JAN-2010 19:14:23	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41421	No
293	GOM_NL__2PRFIN20100131_191734_000000392086_00285_41421_2863.N1	31-JAN-2010 19:17:34	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41421	No
294	GOM_NL__2PRFIN20100131_192111_000000522086_00285_41421_2864.N1	31-JAN-2010 19:21:11	Bright	52.000	5	3Alp Lyr	0.033000	11000.	104	41421	No
295	GOM_NL__2PRFIN20100131_192413_000000392086_00285_41421_2865.N1	31-JAN-2010 19:24:13	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41421	No
296	GOM_NL__2PRFIN20100131_192923_000000382086_00285_41421_2866.N1	31-JAN-2010 19:29:23	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	41421	No
297	GOM_NL__2PRFIN20100131_193131_000000542086_00285_41421_2867.N1	31-JAN-2010 19:31:31	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41421	No
298	GOM_NL__2PRFIN20100131_193759_000000442086_00285_41421_2868.N1	31-JAN-2010 19:37:59	Twl_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	41421	No
299	GOM_NL__2PRFIN20100131_194217_000000492086_00285_41421_2869.N1	31-JAN-2010 19:42:17	Dark	48.500	16	21Alp Sco	1.0200	3000.0	97	41421	No
300	GOM_NL__2PRFIN20100131_194340_000000452086_00285_41421_2870.N1	31-JAN-2010 19:43:40	Dark	44.500	158	6Pi Sco	2.9060	28000.	89	41421	No
301	GOM_NL__2PRFIN20100131_194803_000000432086_00285_41421_2871.N1	31-JAN-2010 19:48:03	Dark	42.500	131	Gam Lup	2.8000	26000.	85	41421	No
302	GOM_NL__2PRFIN20100131_195017_000000462086_00286_41422_2854.N1	31-JAN-2010 19:50:17	Dark	45.500	109	Bet Lup	2.6770	26000.	91	41422	No
303	GOM_NL__2PRFIN20100131_195315_000000422086_00286_41422_2855.N1	31-JAN-2010 19:53:15	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41422	No
304	GOM_NL__2PRFIN20100131_195511_000000422086_00286_41422_2856.N1	31-JAN-2010 19:55:11	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41422	No
305	GOM_NL__2PRFIN20100131_195751_000000502086_00286_41422_2857.N1	31-JAN-2010 19:57:51	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	41422	No
306	GOM_NL__2PRFIN20100131_195951_000000452086_00286_41422_2858.N1	31-JAN-2010 19:59:51	Dark	45.000	99	Del Cen	2.5750	26000.	90	41422	No
307	GOM_NL__2PRFIN20100131_200150_000000382086_00286_41422_2859.N1	31-JAN-2010 20:01:50	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41422	No
308	GOM_NL__2PRFIN20100131_200345_000000452086_00286_41422_2860.N1	31-JAN-2010 20:03:45	Dark	45.000	71	lot Car	2.2460	7700.0	90	41422	No
309	GOM_NL__2PRFIN20100131_200530_000000392086_00286_41422_2861.N1	31-JAN-2010 20:05:30	Dark	38.500	46	Del Vel	1.9540	10600.	77	41422	No
310	GOM_NL__2PRFIN20100131_200801_000000432086_00286_41422_2862.N1	31-JAN-2010 20:08:01	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41422	No
311	GOM_NL__2PRFIN20100131_201007_000000412086_00286_41422_2863.N1	31-JAN-2010 20:10:07	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41422	No
312	GOM_NL__2PRFIN20100131_201429_000000422086_00286_41422_2864.N1	31-JAN-2010 20:14:29	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41422	No
313	GOM_NL__2PRFIN20100131_202315_000000482086_00286_41422_2865.N1	31-JAN-2010 20:23:15	Twl_and_stray	48.000	8	10Alp CMi	0.40000	6500.0	96	41422	No
314	GOM_NL__2PRFIN20100131_202903_000000392086_00286_41422_2866.N1	31-JAN-2010 20:29:03	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	41422	No
315	GOM_NL__2PRFIN20100131_203058_000000542086_00286_41422_2867.N1	31-JAN-2010 20:30:58	Bright	54.000	24	66Alp Gem	1.5800	10200.	108	41422	No
316	GOM_NL__2PRFIN20100131_204710_000000322086_00286_41422_2868.N1	31-JAN-2010 20:47:10	Bright	31.500	49	1Alp UMi	1.9900	6300.0	63	41422	No
317	GOM_NL__2PRFIN20100131_205017_000000422086_00286_41422_2869.N1	31-JAN-2010 20:50:17	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41422	No
318	GOM_NL__2PRFIN20100131_205459_000000372086_00286_41422_2870.N1	31-JAN-2010 20:54:59	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	41422	No
319	GOM_NL__2PRFIN20100131_205809_000000362086_00286_41422_2871.N1	31-JAN-2010 20:58:09	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41422	No
320	GOM_NL__2PRFIN20100131_210147_000000382086_00286_41422_2872.N1	31-JAN-2010 21:01:47	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41422	No
321	GOM_NL__2PRFIN20100131_210449_000000292086_00286_41422_2873.N1	31-JAN-2010 21:04:49	Twl_and_stray	29.000	133	40Zet Her	2.8070	6000.0	58	41422	No
322	GOM_NL__2PRFIN20100131_210959_000000452086_00286_41422_2874.N1	31-JAN-2010 21:09:59	Bright	44.500	59	55Alp Oph	2.0800	8900.0	89	41422	No
323	GOM_NL__2PRFIN20100131_211207_000000542086_00286_41422_2875.N1	31-JAN-2010 21:12:07	Bright	53.500	126	60Bet Oph	2.7700	4250.0	107	41422	No
324	GOM_NL__2PRFIN20100131_211835_000000452086_00286_41422_2876.N1	31-JAN-2010 21:18:35	Twl_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	41422	No
325	GOM_NL__2PRFIN20100131_212253_000000502086_00286_41422_2877.N1	31-JAN-2010 21:22:53	Dark	50.000	16	21Alp Sco	1.0200	3000.0	100	41422	No
326	GOM_NL__2PRFIN20100131_212416_000000462086_00286_41422_2878.N1	31-JAN-2010 21:24:16	Dark	46.000	158	6Pi Sco	2.9060	28000.	92	41422	No
327	GOM_NL__2PRFIN20100131_212840_000000432086_00286_41422_2879.N1	31-JAN-2010 21:28:40	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41422	No
328	GOM_NL__2PRFIN20100131_213054_000000452086_00287_41423_2882.N1	31-JAN-2010 21:30:54	Dark	45.000	109	Bet Lup	2.6770	26000.	90	41423	No
329	GOM_NL__2PRFIN20100131_213352_000000422086_00287_41423_2883.N1	31-JAN-2010 21:33:52	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41423	No
330	GOM_NL__2PRFIN20100131_213548_000000442086_00287_41423_2884.N1	31-JAN-2010 21:35:48	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41423	No
331	GOM_NL__2PRFIN20100131_213827_000000422086_00287_41423_2885.N1	31-JAN-2010 21:38:27	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	41423	No
332	GOM_NL__2PRFIN20100131_214028_000000462086_00287_41423_2886.N1	31-JAN-2010 21:40:28	Dark	46.000	99	Del Cen	2.5750	26000.	92	41423	No
333	GOM_NL__2PRFIN20100131_214226_000000392086_00287_41423_2887.N1	31-JAN-2010 21:42:26	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41423	No
334	GOM_NL__2PRFIN20100131_214421_000000382086_00287_41423_2888.N1	31-JAN-2010 21:44:21	Dark	38.000	71	lot Car	2.2460	7700.0	76	41423	No
335	GOM_NL__2PRFIN20100131_214606_000000402086_00287_41423_2889.N1	31-JAN-2010 21:46:06	Dark	39.500	46	Del Vel	1.9540	10600.	79	41423	No
336	GOM_NL__2PRFIN20100131_214838_000000412086_00287_41423_2890.N1	31-JAN-2010 21:48:38	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	41423	No
337	GOM_NL__2PRFIN20100131_215043_000000402086_00287_41423_2891.N1	31-JAN-2010 21:50:43	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41423	No

338	GOM_NL__2PRFIN20100131_215505_000000412086_00287_41423_2892.N1	31-JAN-2010 21:55:05	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41423	No
339	GOM_NL__2PRFIN20100131_220351_000000472086_00287_41423_2893.N1	31-JAN-2010 22:03:51	Twl_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41423	No
340	GOM_NL__2PRFIN20100131_220939_000000372086_00287_41423_2894.N1	31-JAN-2010 22:09:39	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	41423	No
341	GOM_NL__2PRFIN20100131_221134_000000392086_00287_41423_2895.N1	31-JAN-2010 22:11:34	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41423	No
342	GOM_NL__2PRFIN20100131_222746_000000332086_00287_41423_2896.N1	31-JAN-2010 22:27:46	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41423	No
343	GOM_NL__2PRFIN20100131_223052_000000422086_00287_41423_2897.N1	31-JAN-2010 22:30:52	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41423	No
344	GOM_NL__2PRFIN20100131_223535_000000382086_00287_41423_2898.N1	31-JAN-2010 22:35:35	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41423	No
345	GOM_NL__2PRFIN20100131_223845_000000402086_00287_41423_2899.N1	31-JAN-2010 22:38:45	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41423	No
346	GOM_NL__2PRFIN20100131_224223_000000392086_00287_41423_2900.N1	31-JAN-2010 22:42:23	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41423	No
347	GOM_NL__2PRFIN20100131_224525_000000292086_00287_41423_2901.N1	31-JAN-2010 22:45:25	Twl_and_stray	29.000	133	40Zet Her	2.8070	6000.0	58	41423	No
348	GOM_NL__2PRFIN20100131_225035_000000372086_00287_41423_2902.N1	31-JAN-2010 22:50:35	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	41423	No
349	GOM_NL__2PRFIN20100131_225243_000000542086_00287_41423_2903.N1	31-JAN-2010 22:52:43	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	41423	No
350	GOM_NL__2PRFIN20100131_225911_000000452086_00287_41423_2904.N1	31-JAN-2010 22:59:11	Twl_and_stray	45.000	86	35Eta Oph	2.4300	10200.	90	41423	No
351	GOM_NL__2PRFIN20100131_230330_000000482086_00287_41423_2905.N1	31-JAN-2010 23:03:30	Dark	47.500	16	21Alp Sco	1.0200	3000.0	95	41423	No
352	GOM_NL__2PRFIN20100131_231130_000000442086_00288_41424_2890.N1	31-JAN-2010 23:11:30	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41424	No
353	GOM_NL__2PRFIN20100131_231428_000000552086_00288_41424_2891.N1	31-JAN-2010 23:14:28	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	41424	No
354	GOM_NL__2PRFIN20100131_231624_000000432086_00288_41424_2892.N1	31-JAN-2010 23:16:24	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41424	No
355	GOM_NL__2PRFIN20100131_231904_000000412086_00288_41424_2893.N1	31-JAN-2010 23:19:04	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41424	No
356	GOM_NL__2PRFIN20100131_232105_000000442086_00288_41424_2894.N1	31-JAN-2010 23:21:05	Dark	44.000	99	Del Cen	2.5750	26000.	88	41424	No
357	GOM_NL__2PRFIN20100131_232302_000000392086_00288_41424_2895.N1	31-JAN-2010 23:23:02	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41424	No
358	GOM_NL__2PRFIN20100131_232457_000000412086_00288_41424_2896.N1	31-JAN-2010 23:24:57	Dark	41.000	71	lot Car	2.2460	7700.0	82	41424	No
359	GOM_NL__2PRFIN20100131_232642_000000432086_00288_41424_2897.N1	31-JAN-2010 23:26:42	Dark	42.500	46	Del Vel	1.9540	10600.	85	41424	No
360	GOM_NL__2PRFIN20100131_232914_000000422086_00288_41424_2898.N1	31-JAN-2010 23:29:14	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41424	No
361	GOM_NL__2PRFIN20100131_233119_000000412086_00288_41424_2899.N1	31-JAN-2010 23:31:19	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41424	No
362	GOM_NL__2PRFIN20100131_233541_000000422086_00288_41424_2900.N1	31-JAN-2010 23:35:41	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	41424	No
363	GOM_NL__2PRFIN20100131_234427_000000492086_00288_41424_2901.N1	31-JAN-2010 23:44:27	Twl_and_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	41424	No
364	GOM_NL__2PRFIN20100131_235015_000000372086_00288_41424_2902.N1	31-JAN-2010 23:50:15	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41424	No
365	GOM_NL__2PRFIN20100131_235210_000000382086_00288_41424_2903.N1	31-JAN-2010 23:52:10	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41424	No

3. Quality information per product

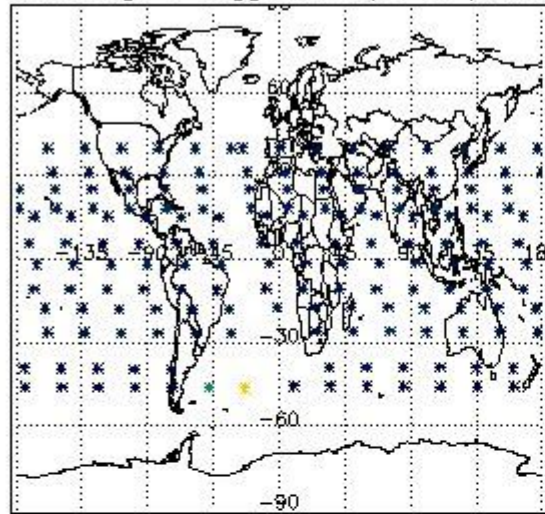
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

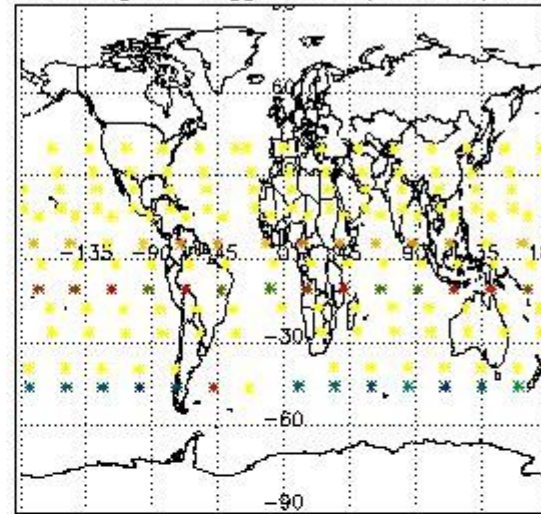


3.2 Plot quality information per product (world map)

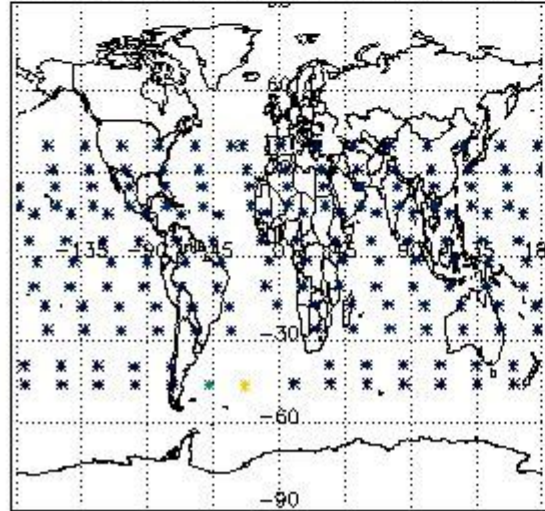
Percentage of flagged data per O3 profile



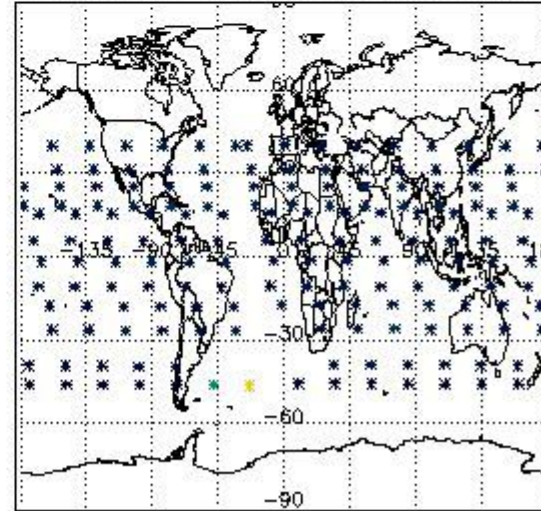
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

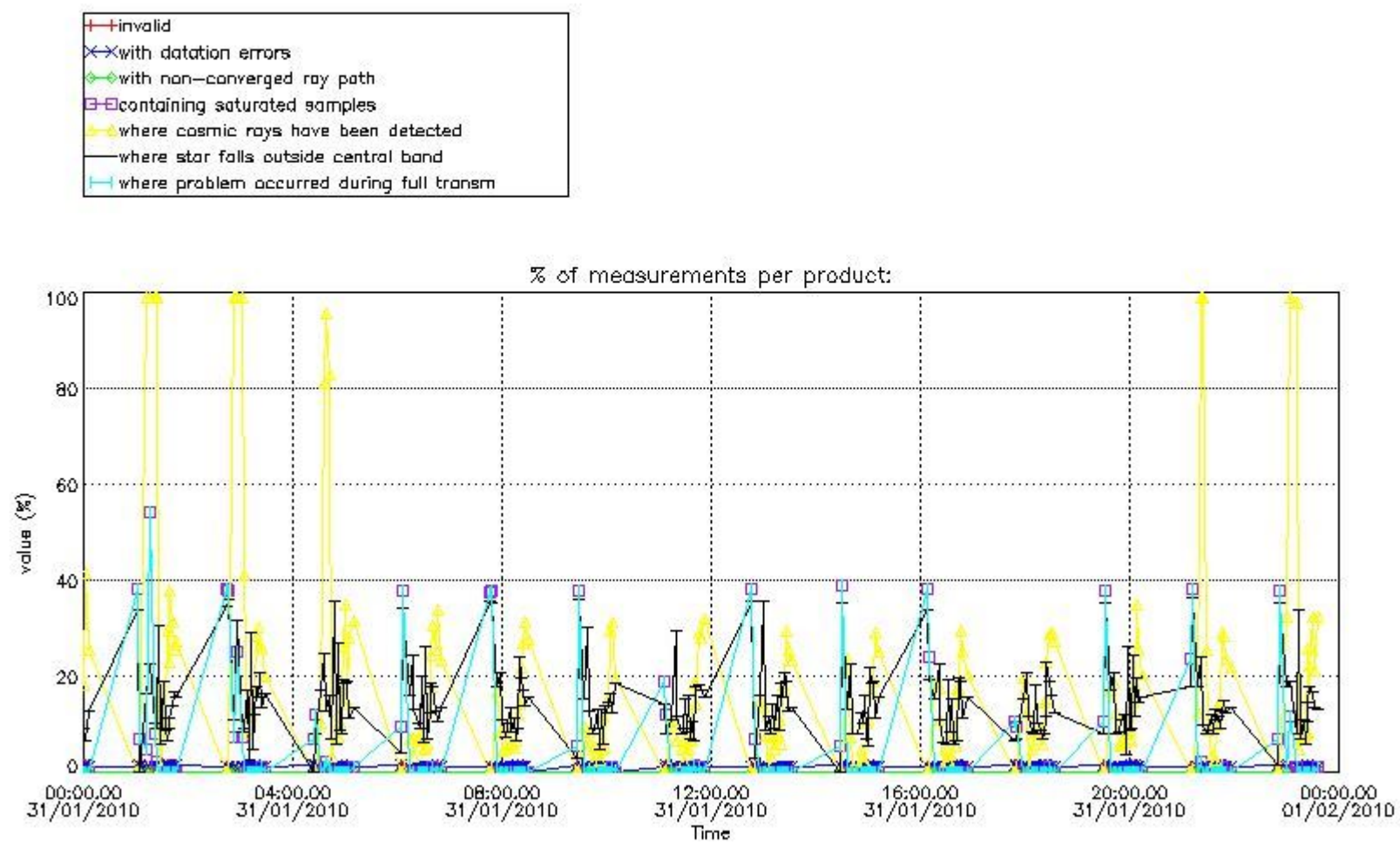


4. Level 1 quality information per product

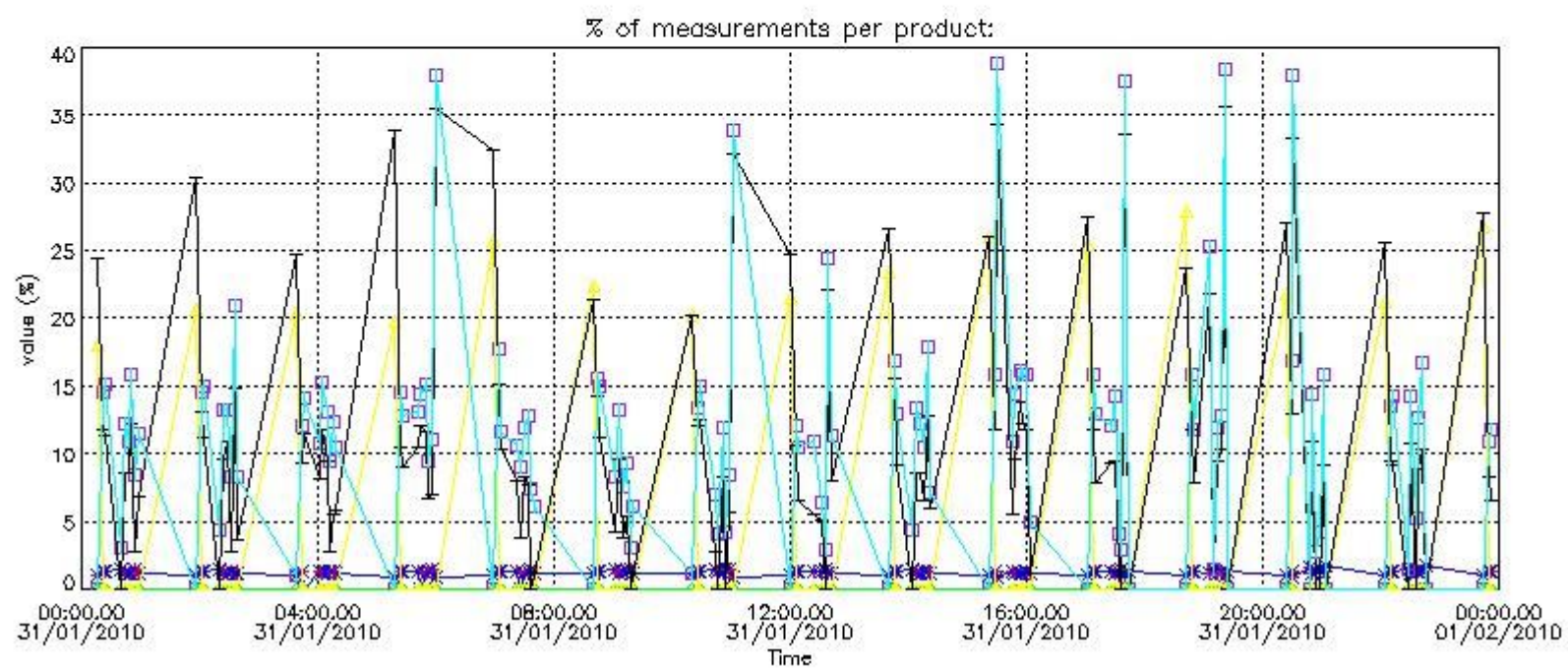
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

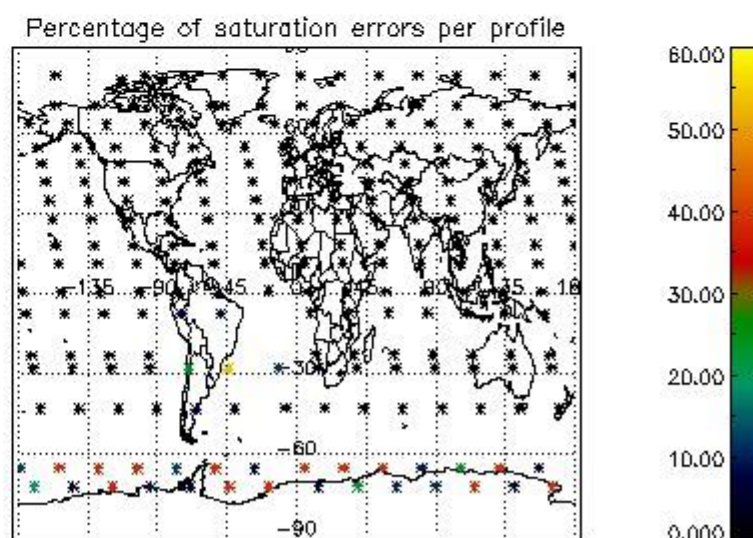
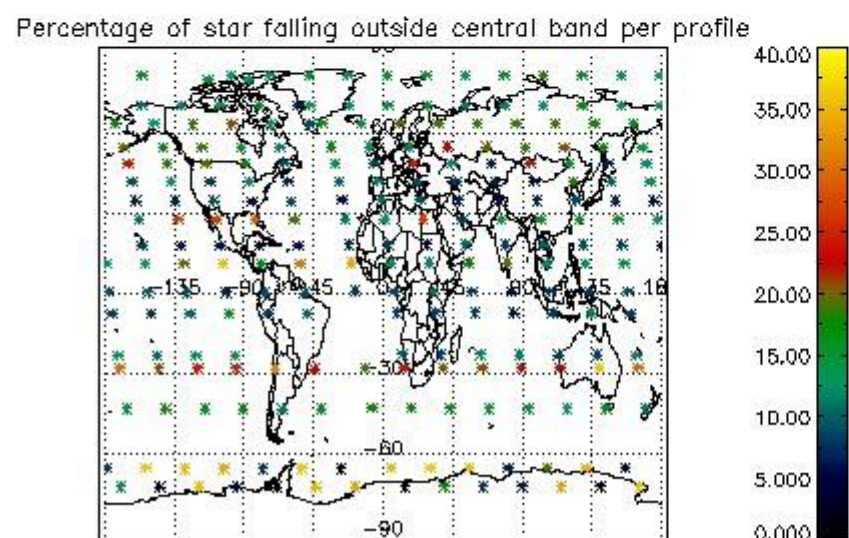
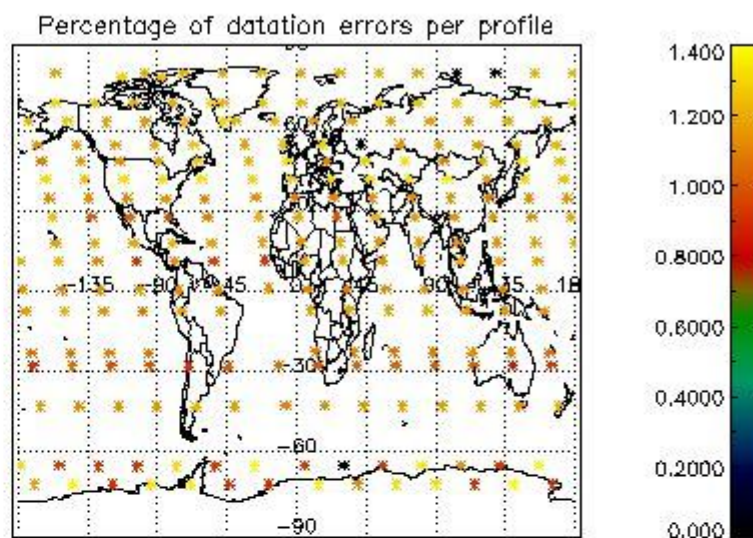
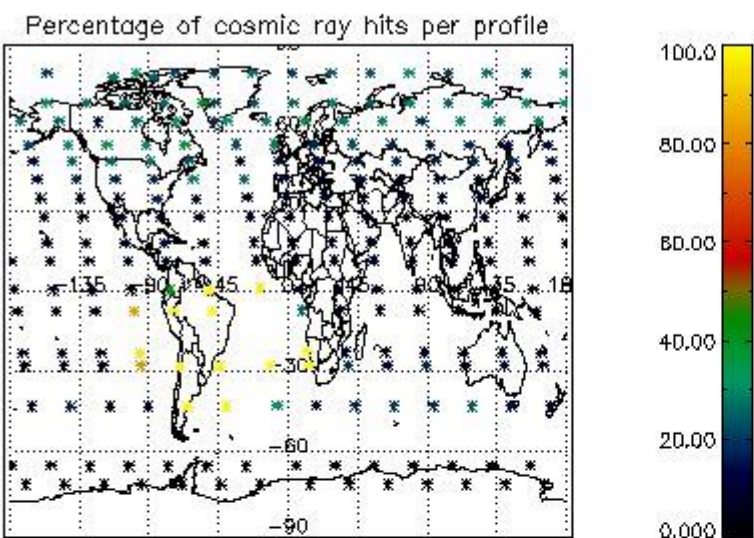


4.1.2 Plot level 1 quality information per product (time dependant): ENVI-SAT DESCENDING passes

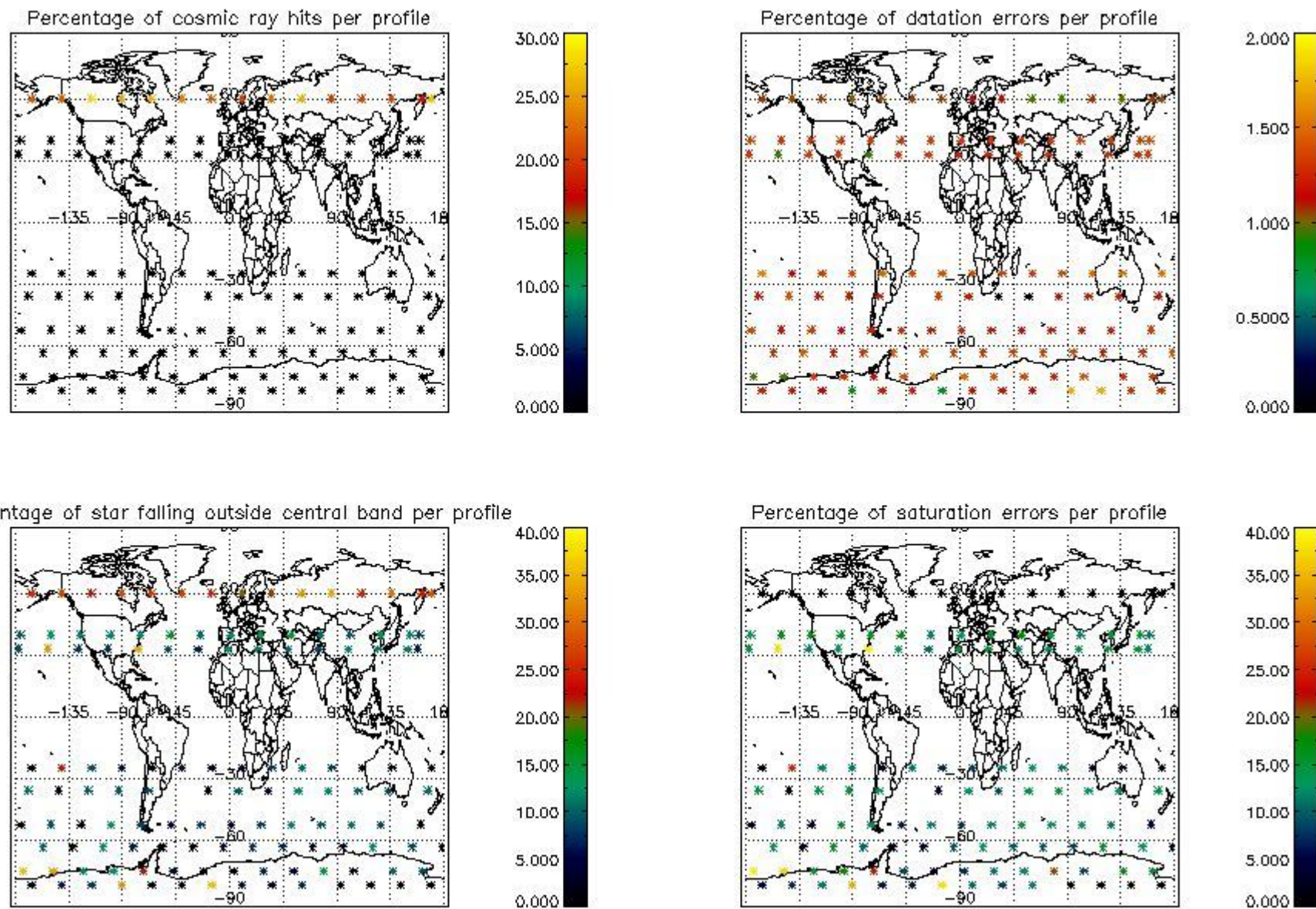


4.2 Plot quality information per product coming from level 1b processing (world map)

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

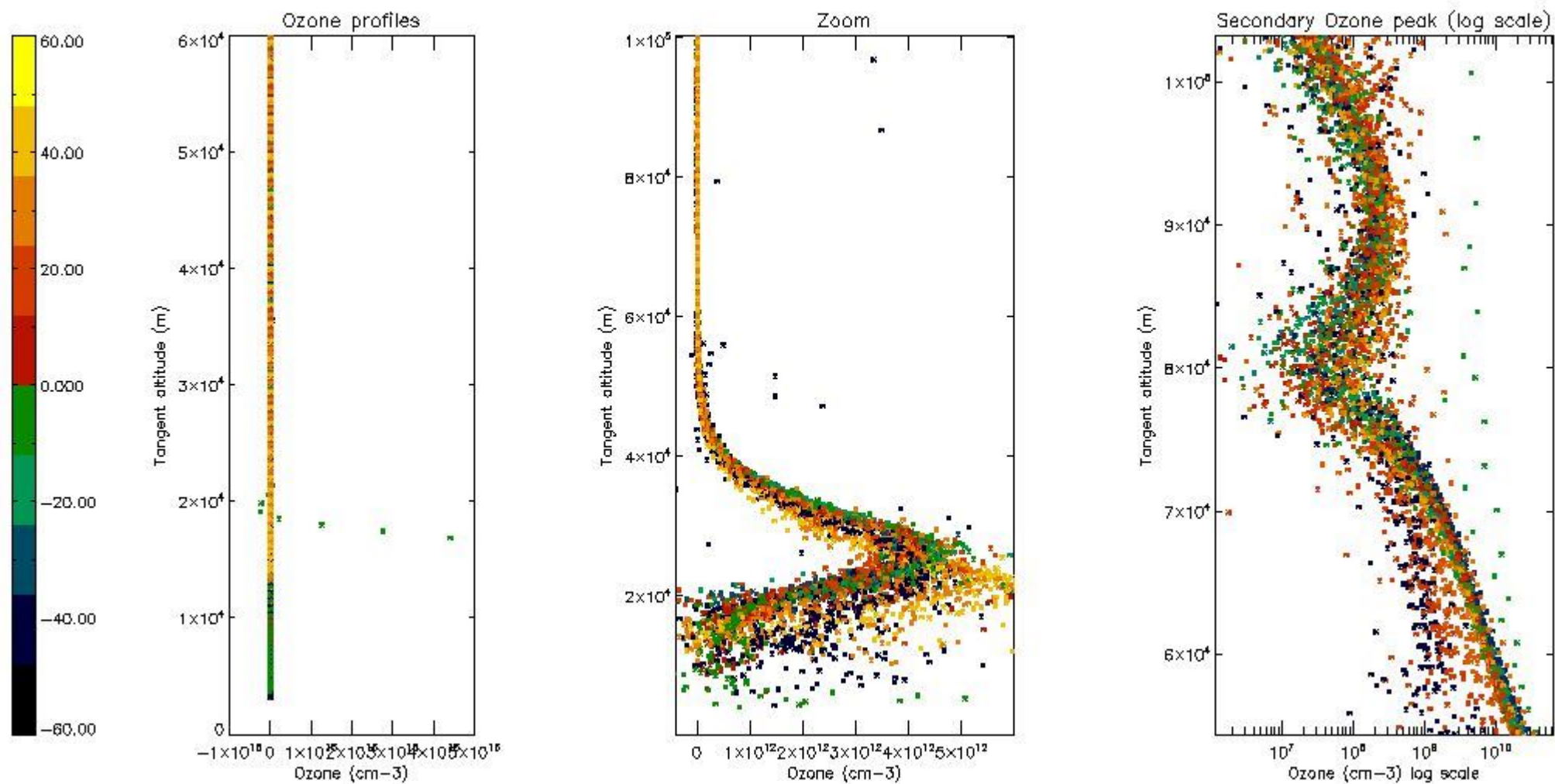
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	47
STD < 20	25

STD < 10	20
STD < 5	14

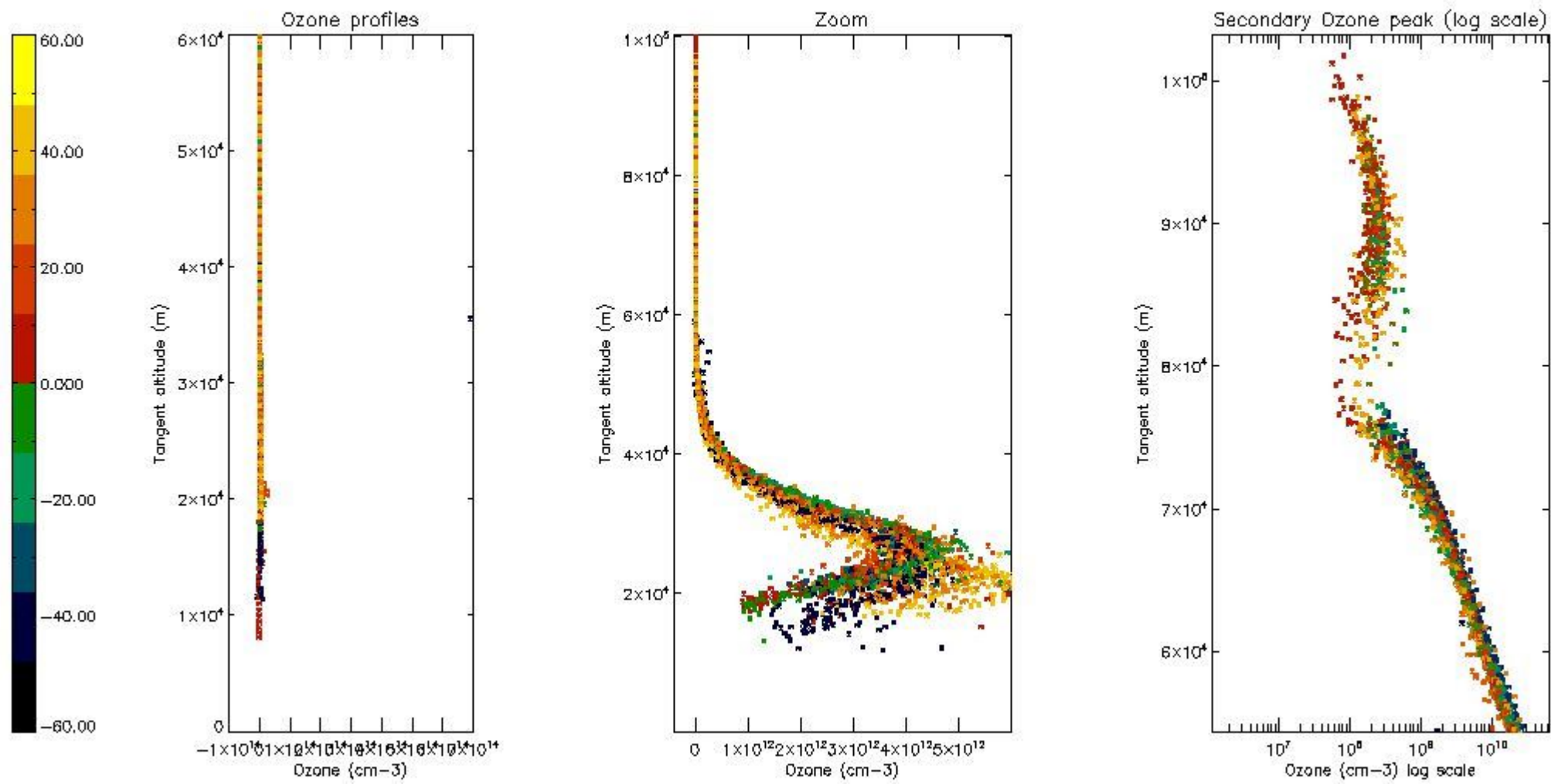
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



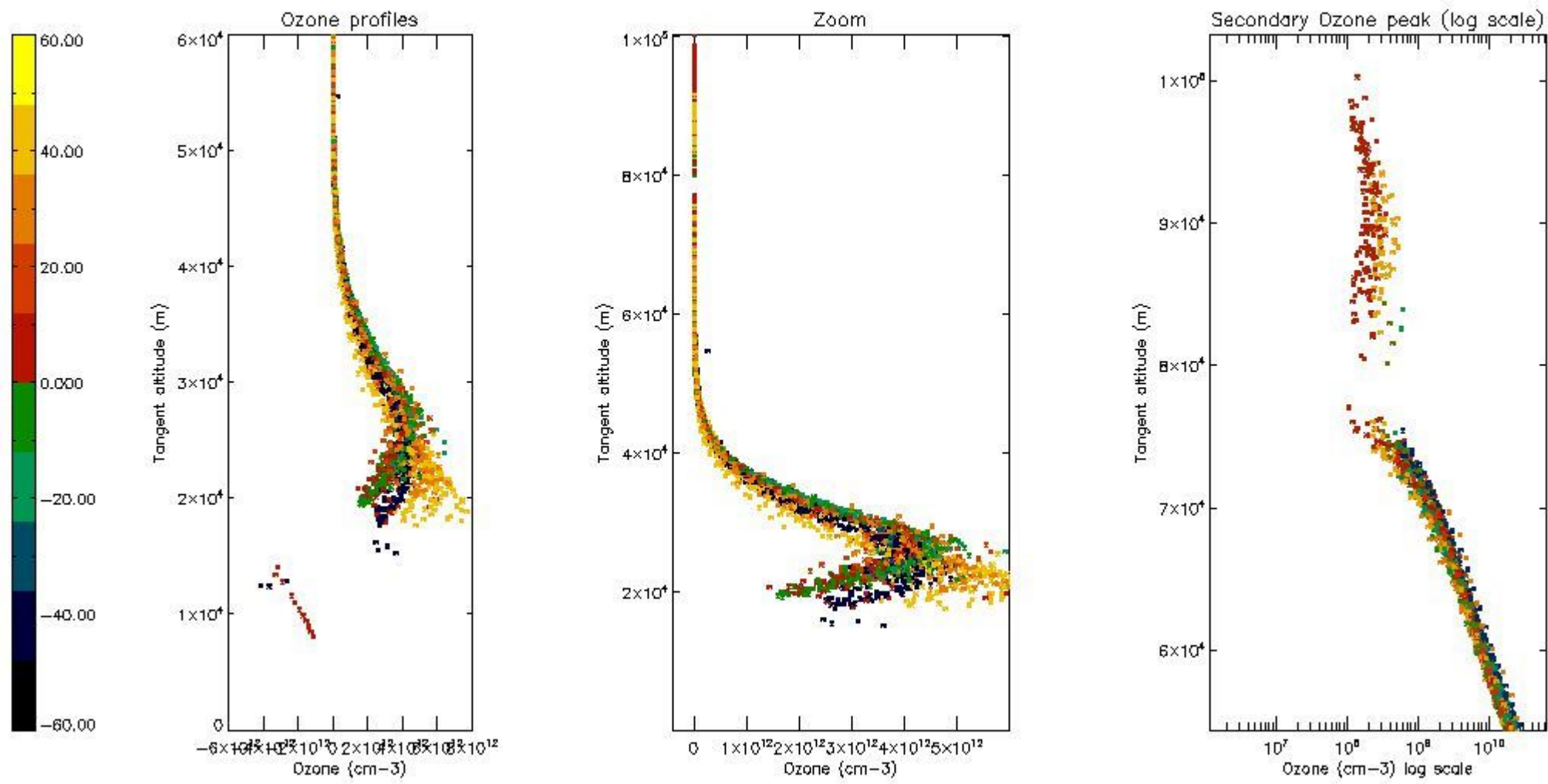
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



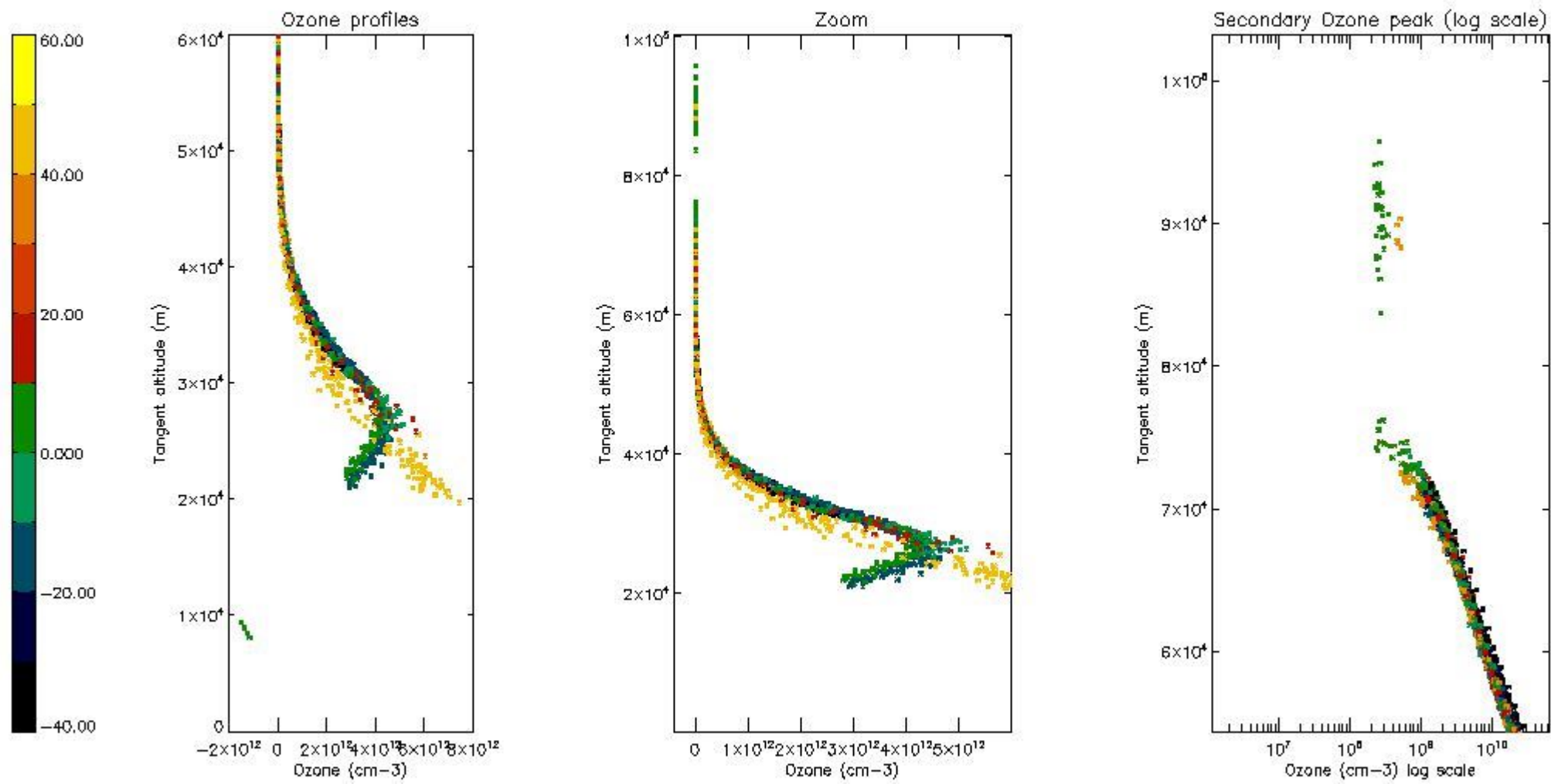
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



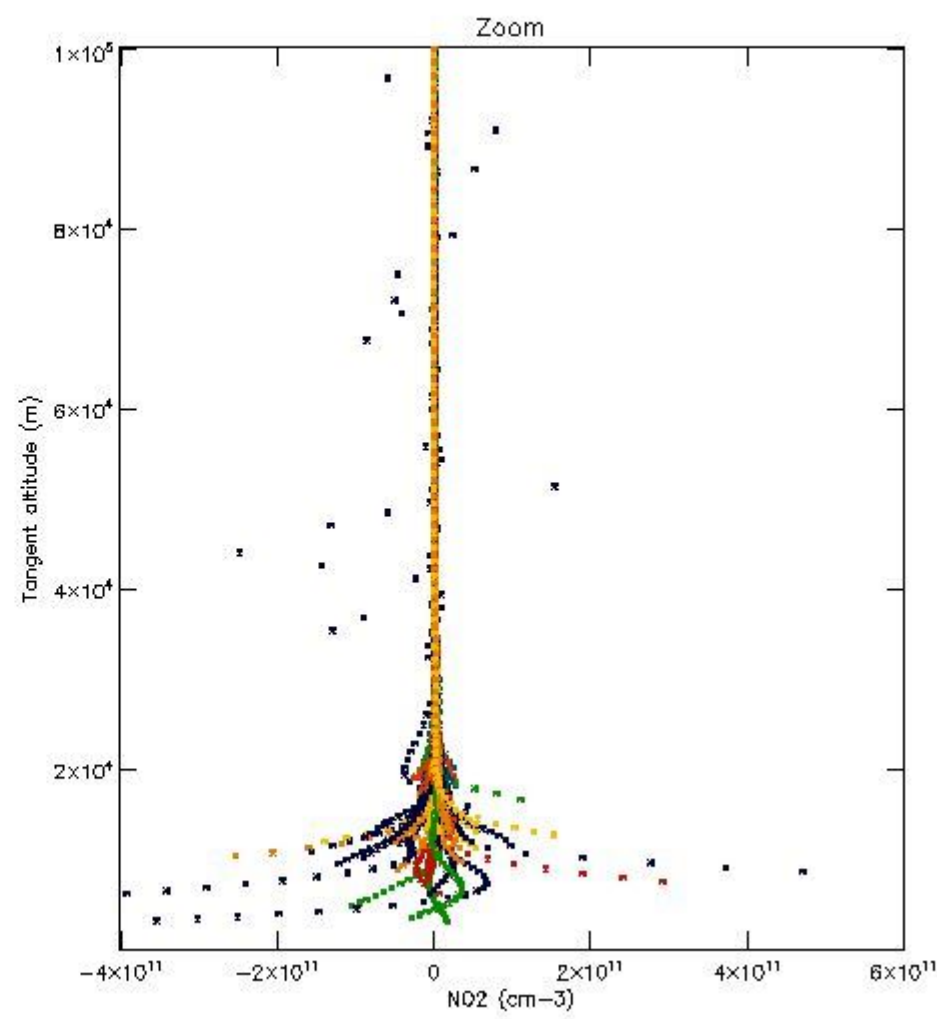
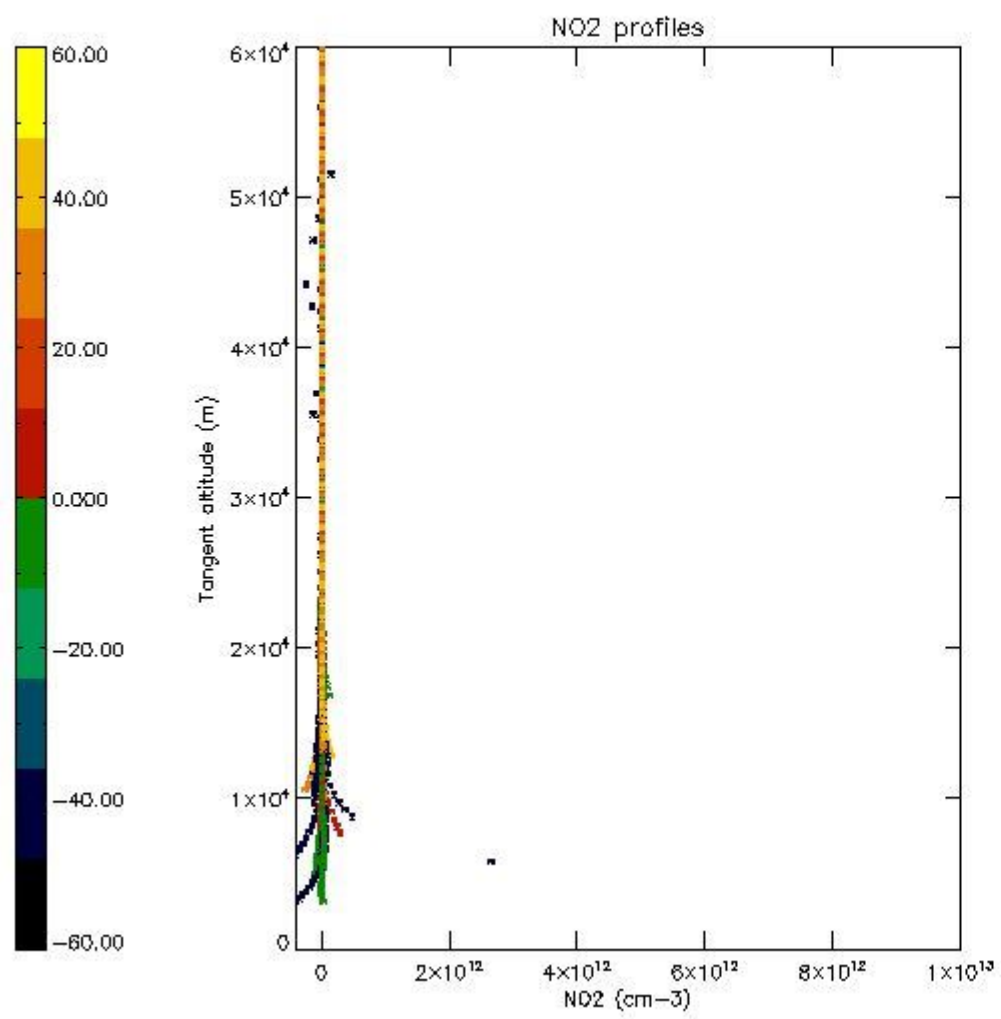
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



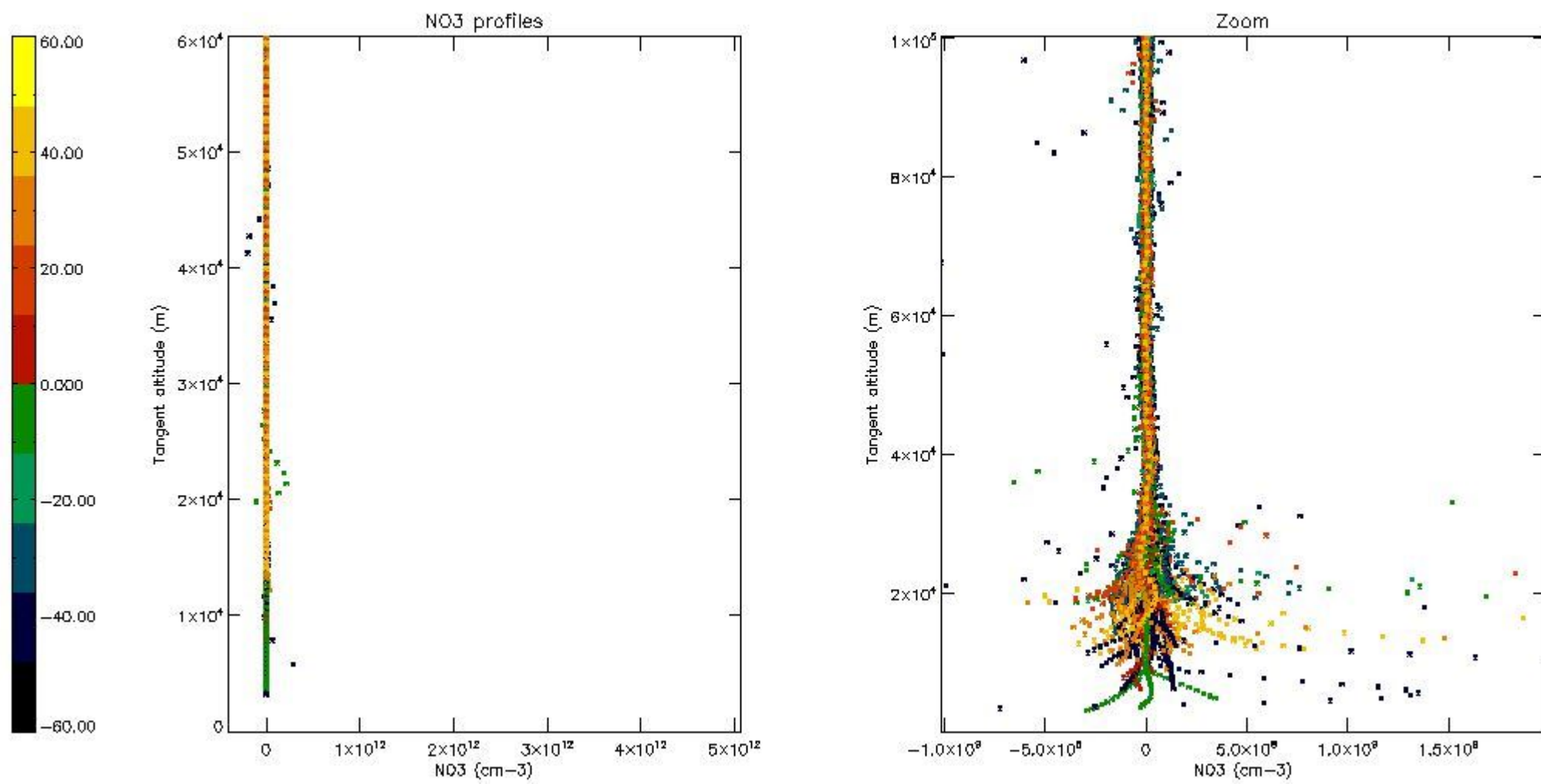
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



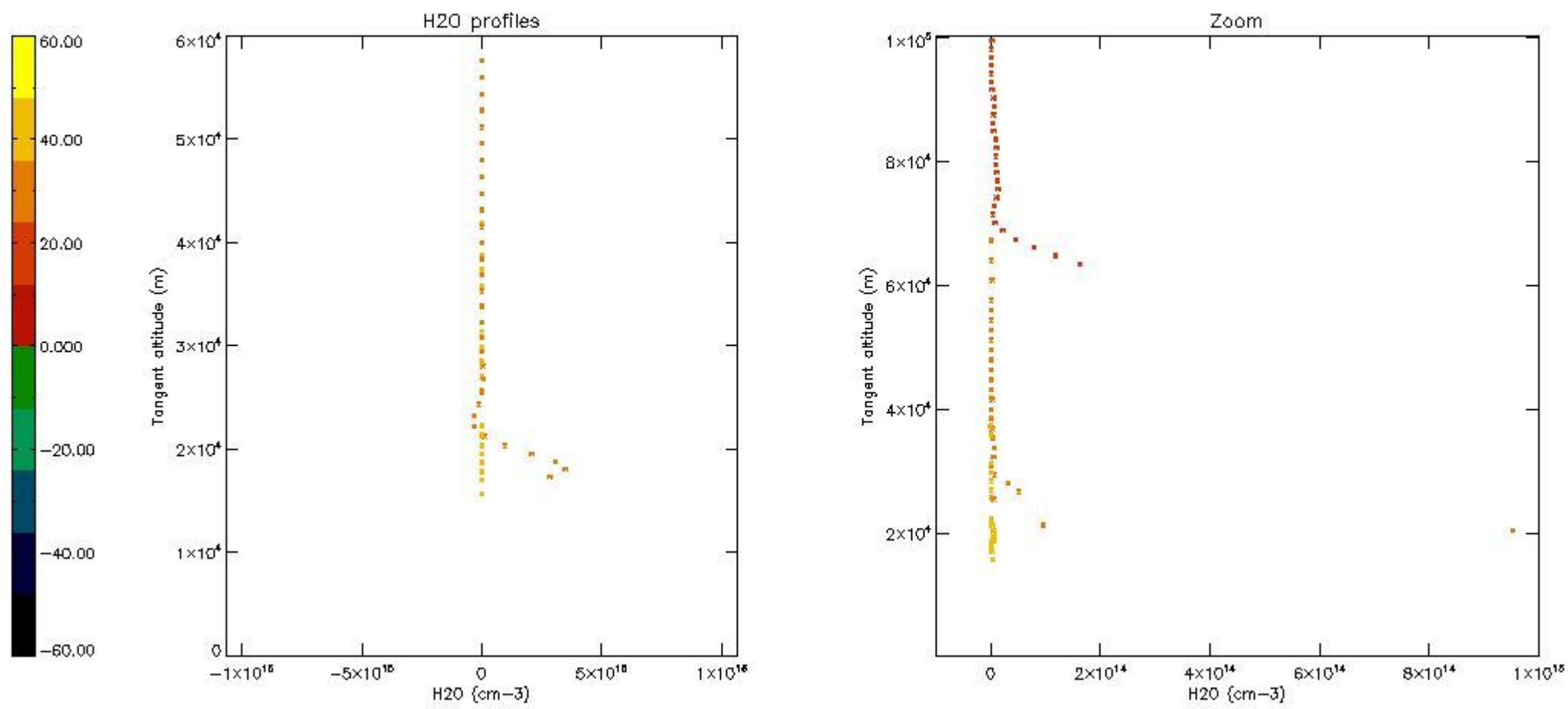
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

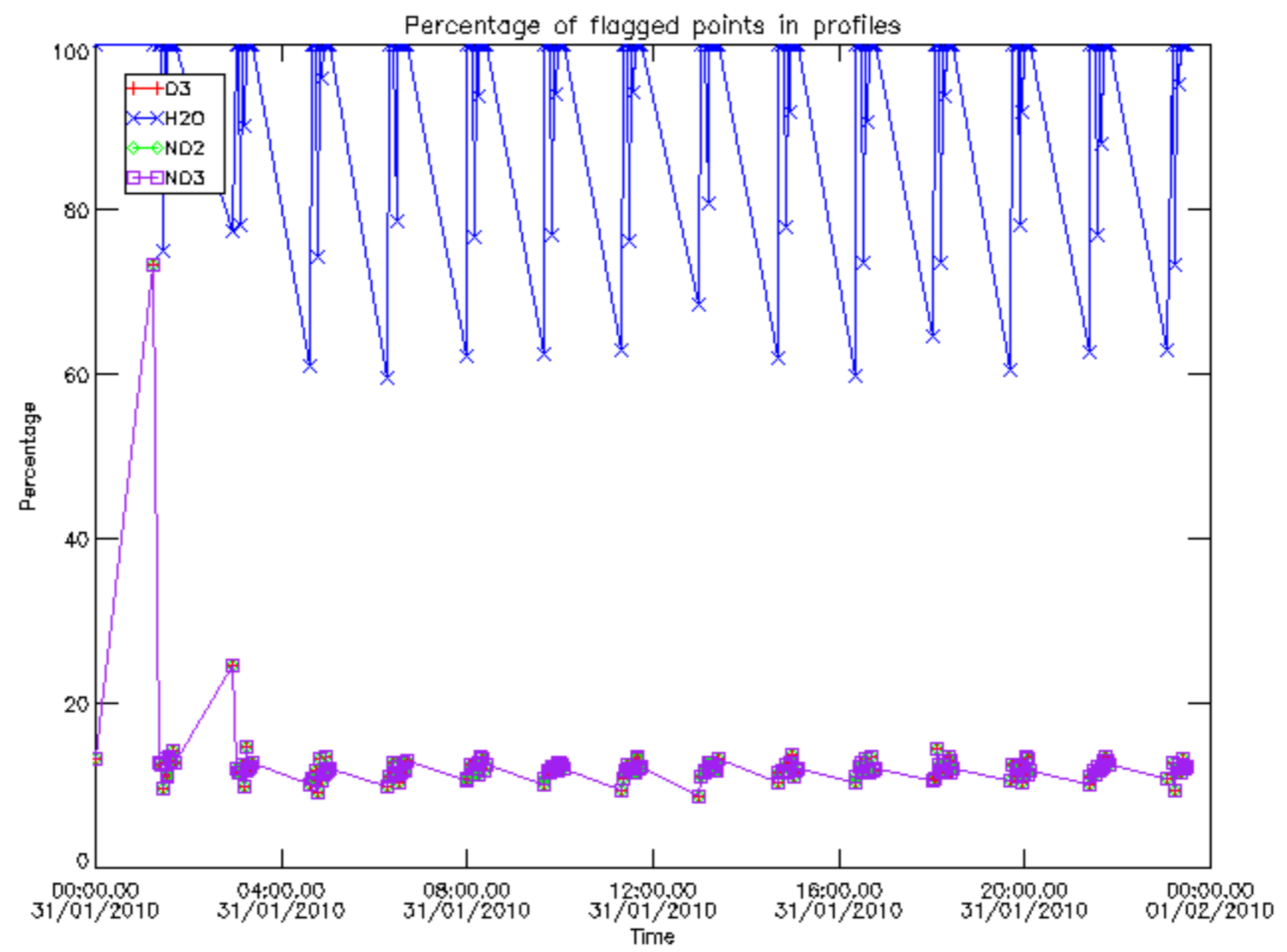
The colorbar represents the latitude.



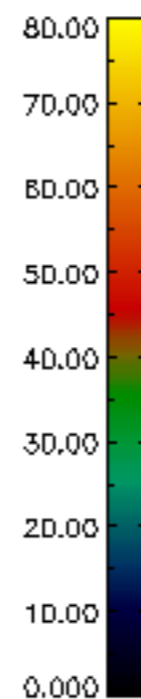
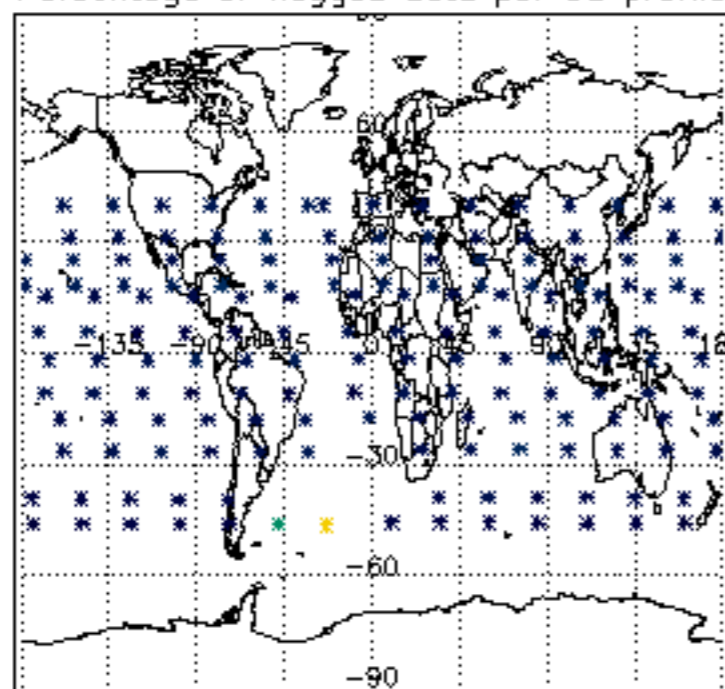
6. Auxiliary Data Files used for the production reported in section 2

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.

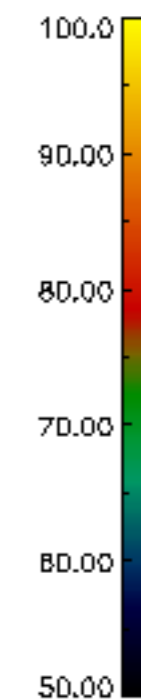
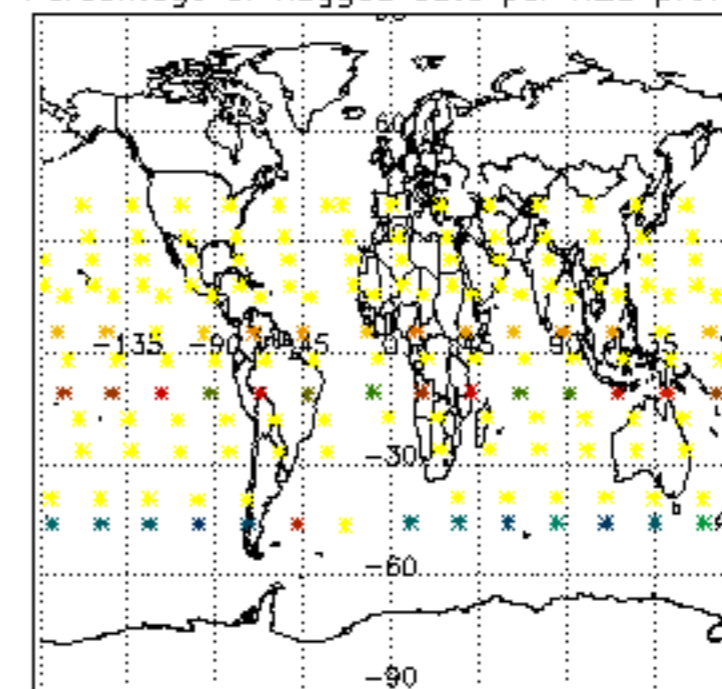
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	31-JAN-2010 00:00:47
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-JAN-2010 00:00:47
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-JAN-2010 00:00:47



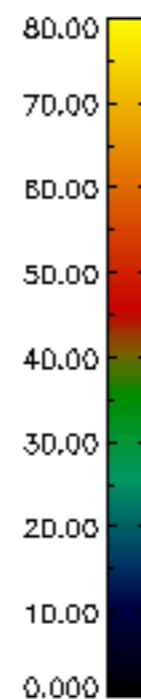
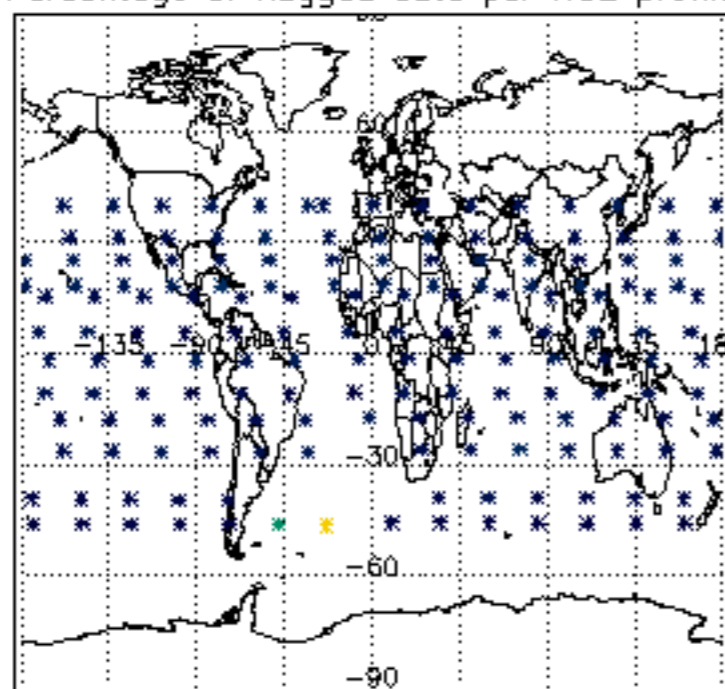
Percentage of flagged data per D3 profile



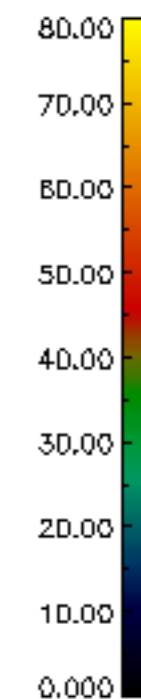
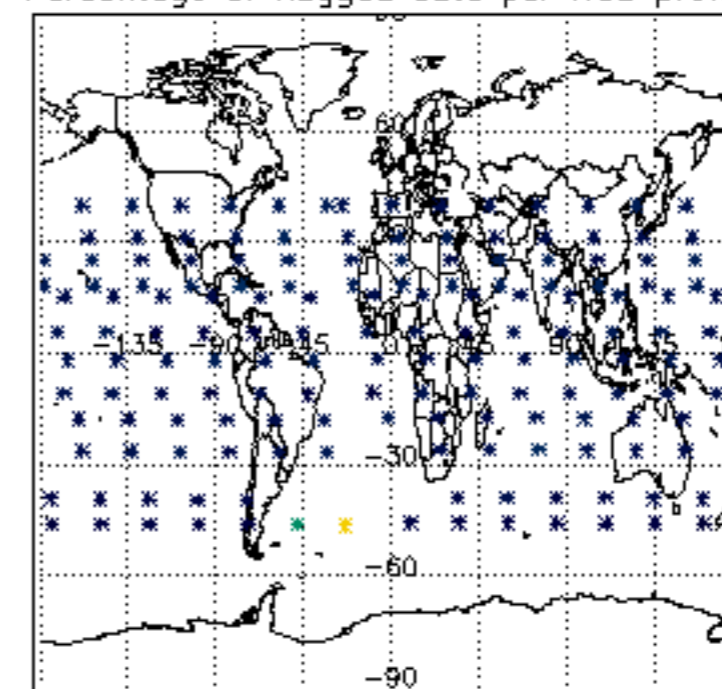
Percentage of flagged data per H2O profile

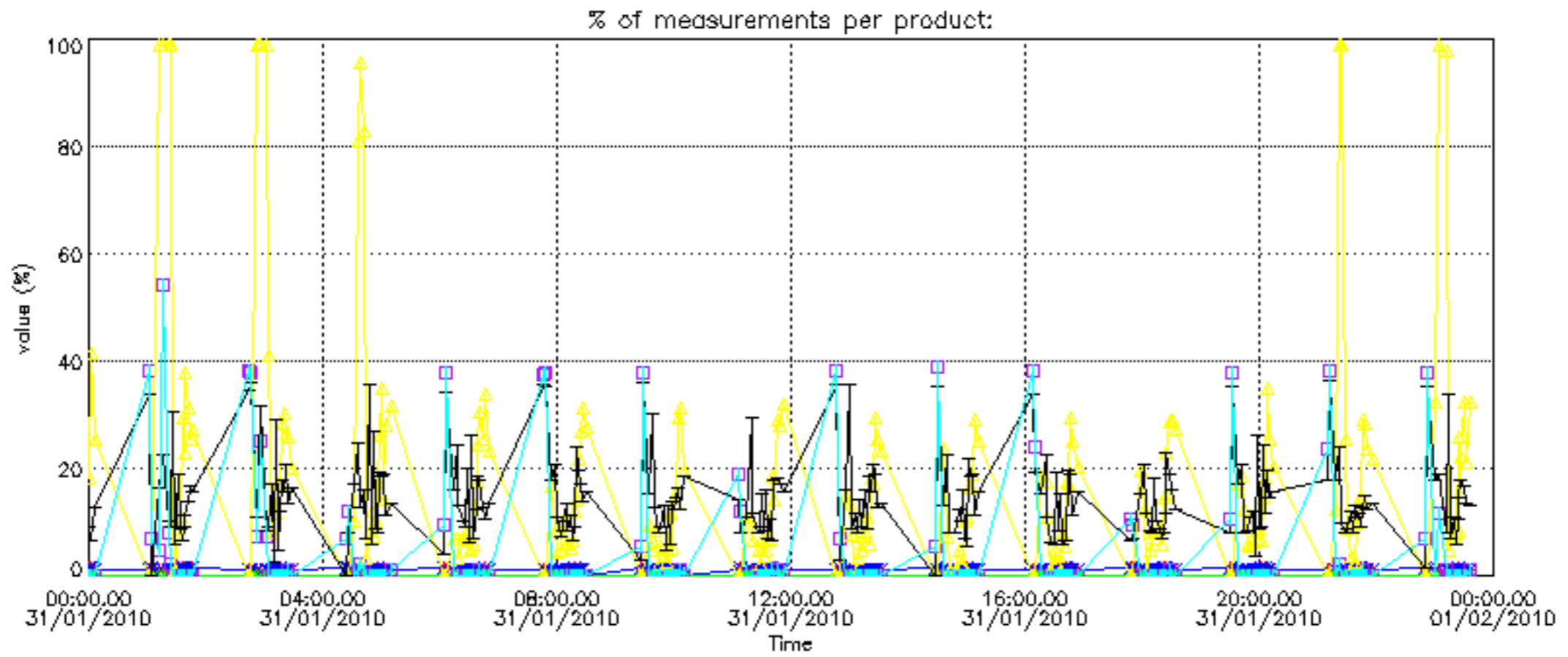


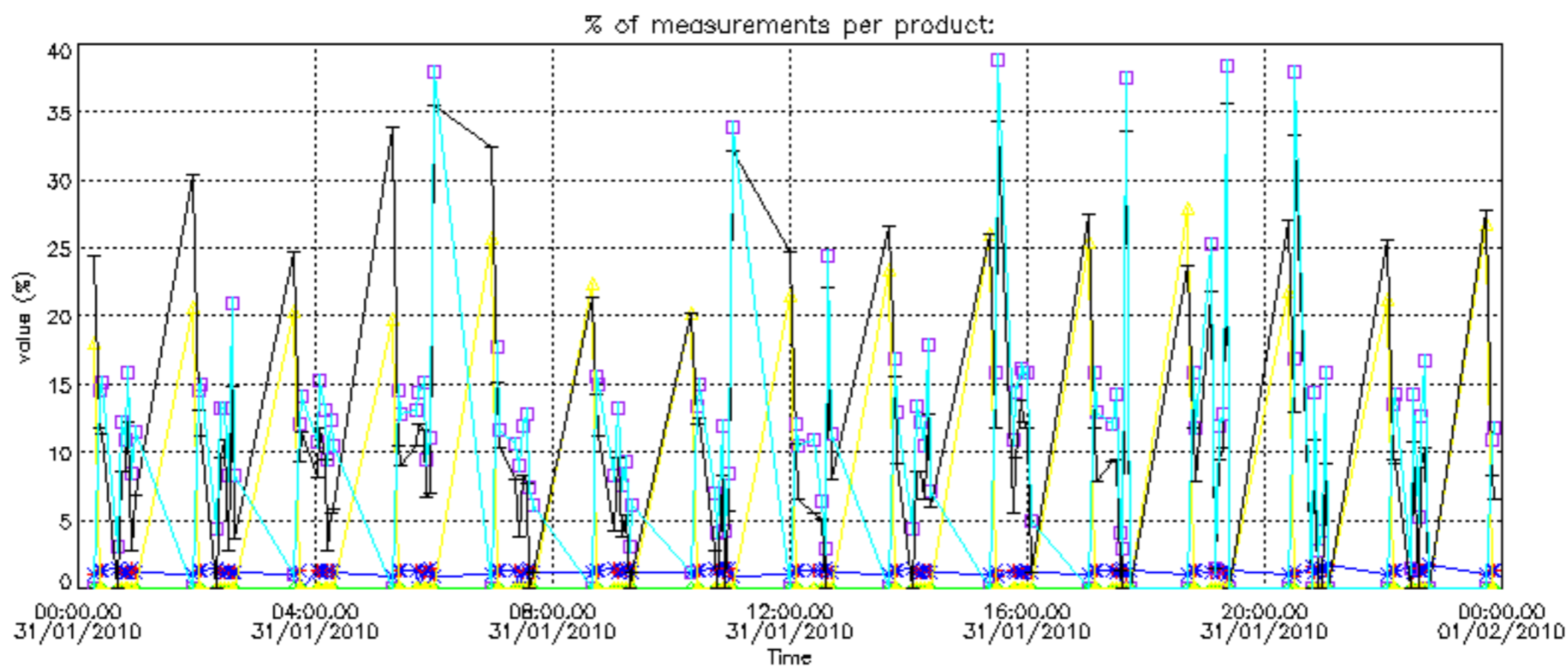
Percentage of flagged data per NO2 profile



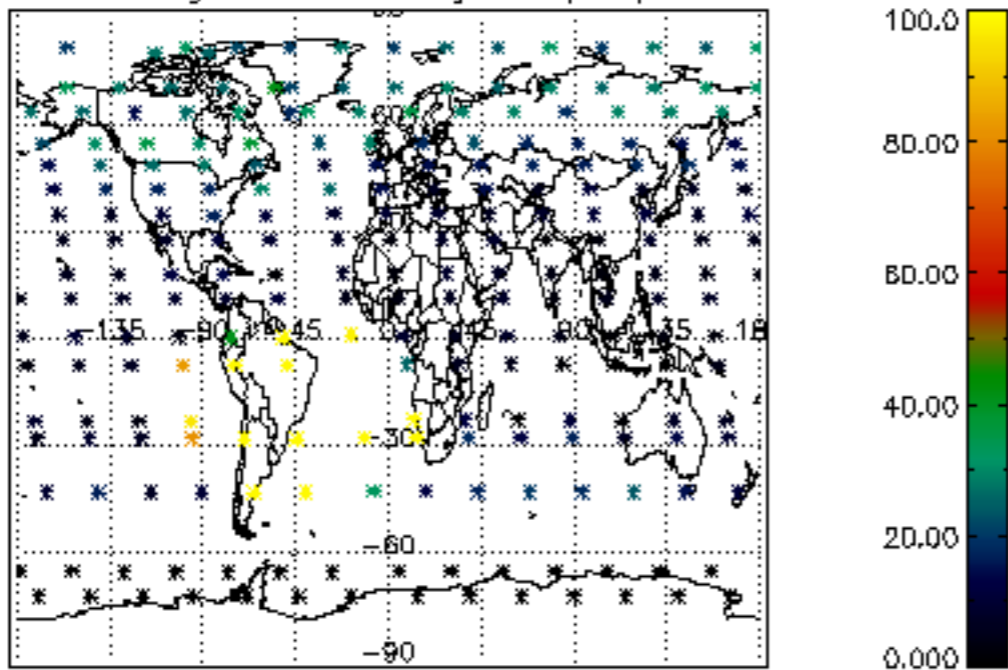
Percentage of flagged data per NO3 profile



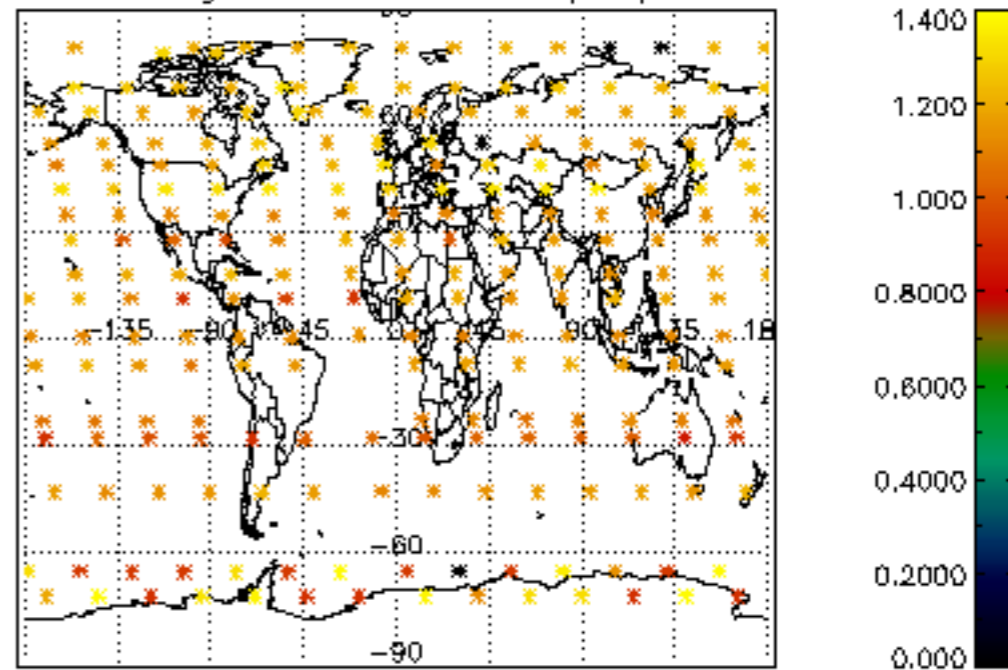




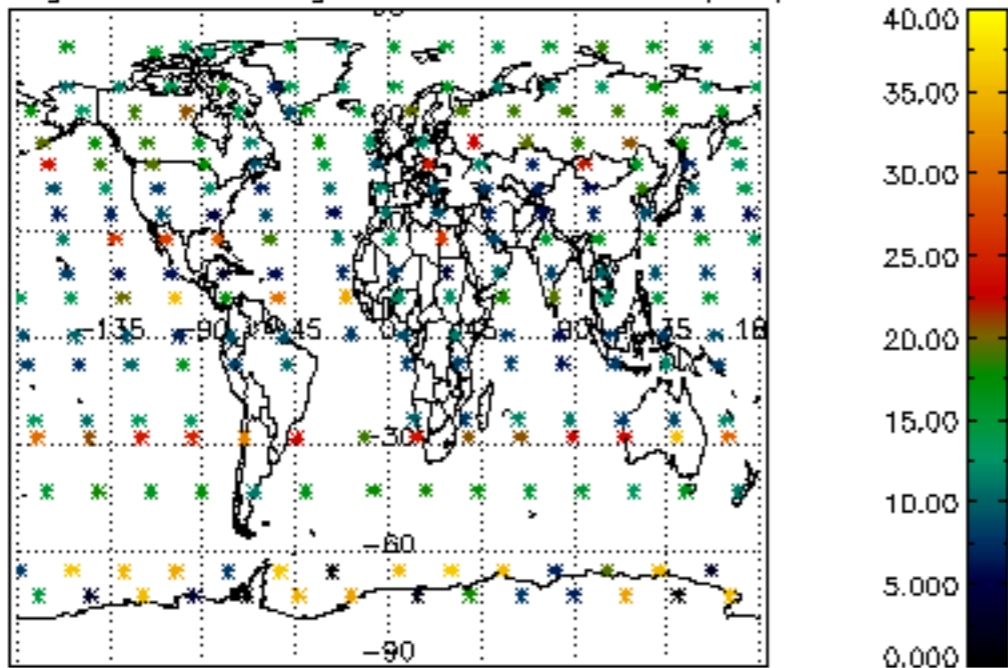
Percentage of cosmic ray hits per profile



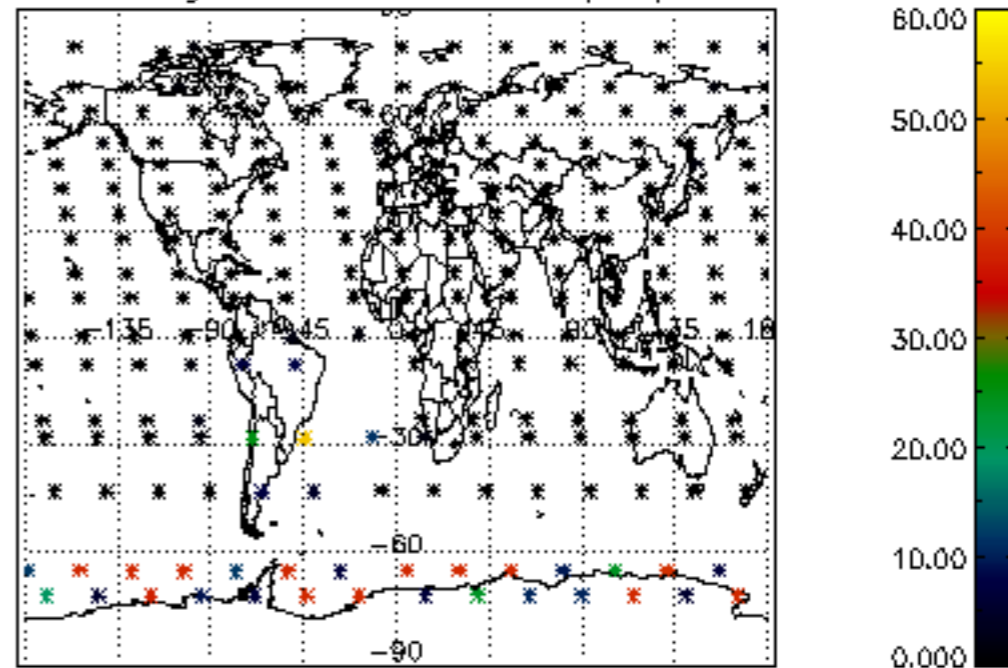
Percentage of datation errors per profile



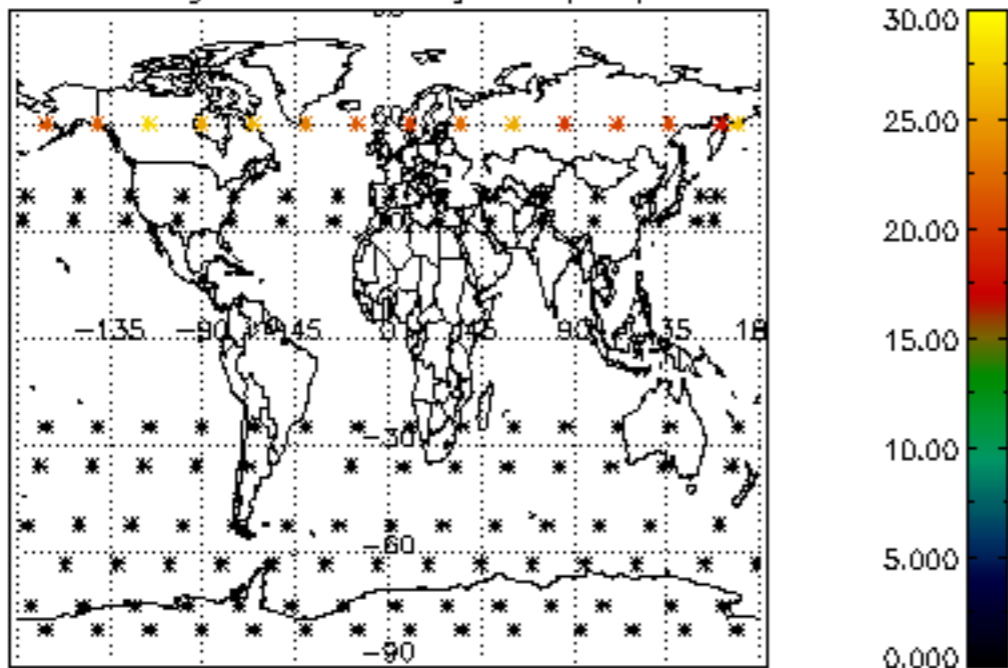
Percentage of star falling outside central band per profile



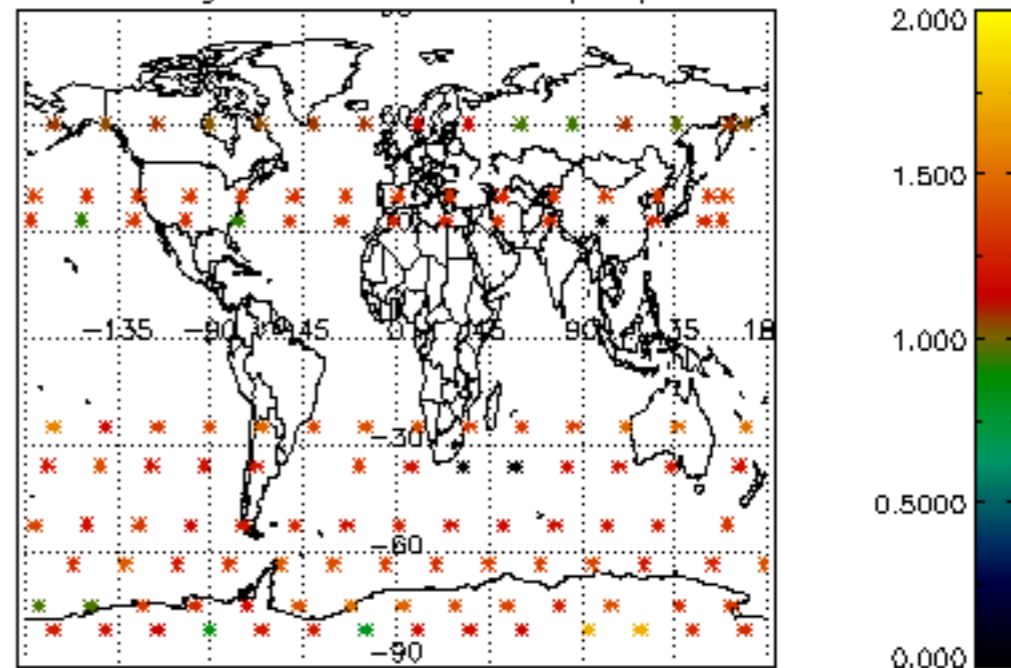
Percentage of saturation errors per profile



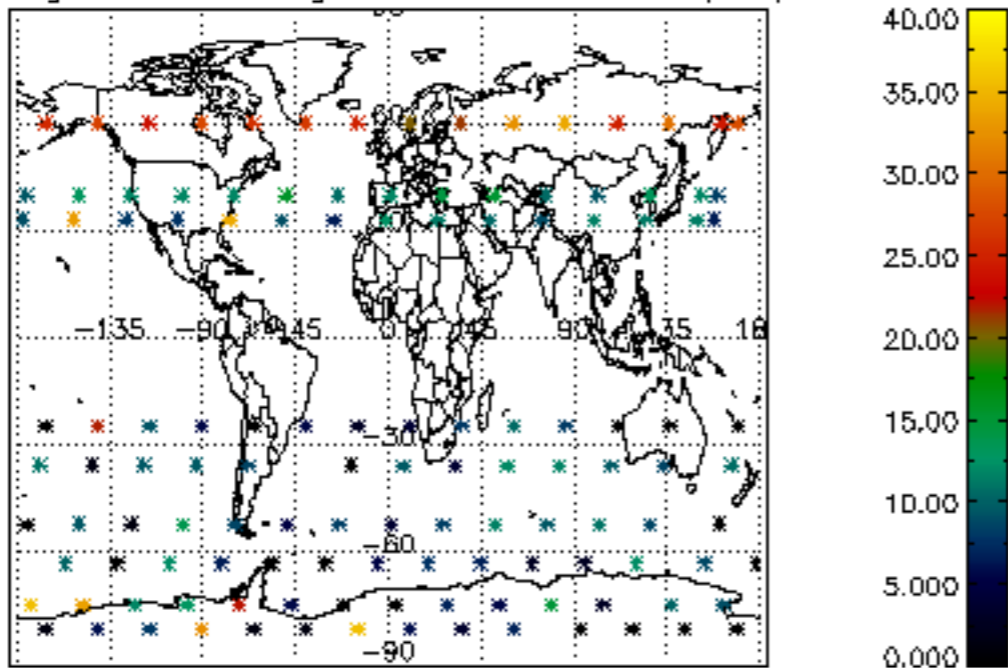
Percentage of cosmic ray hits per profile



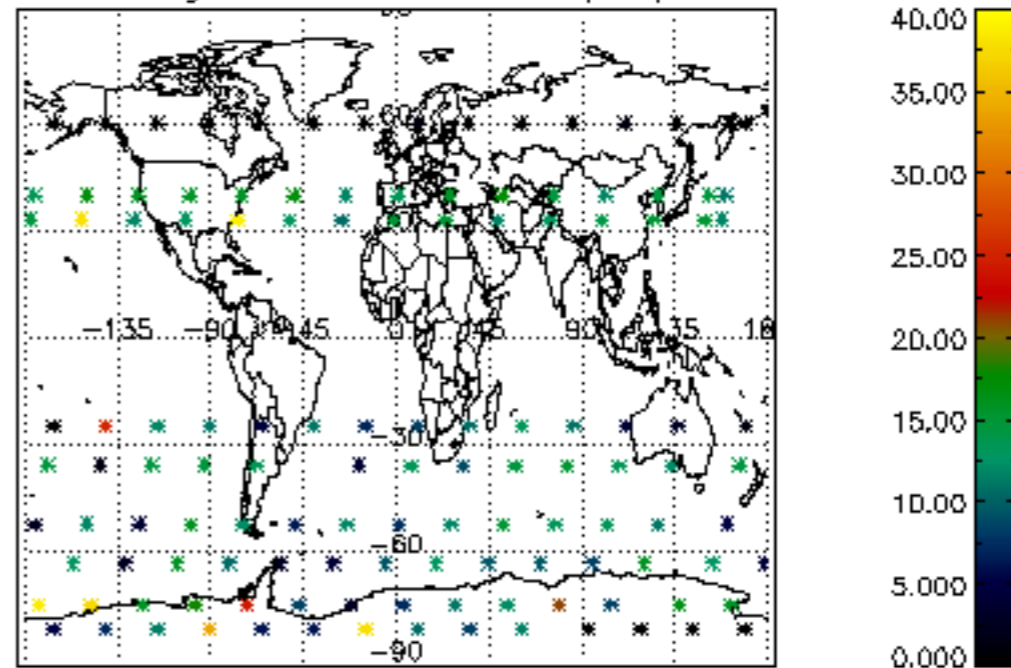
Percentage of datation errors per profile

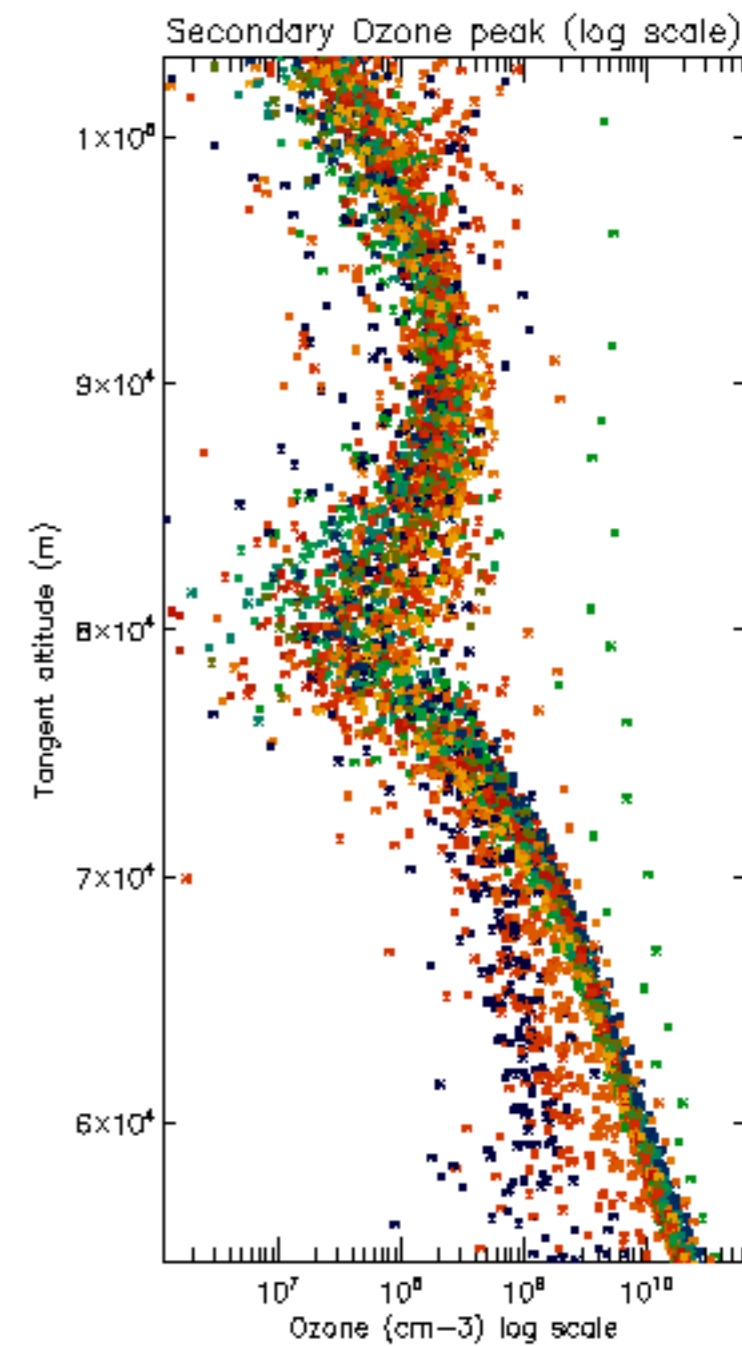
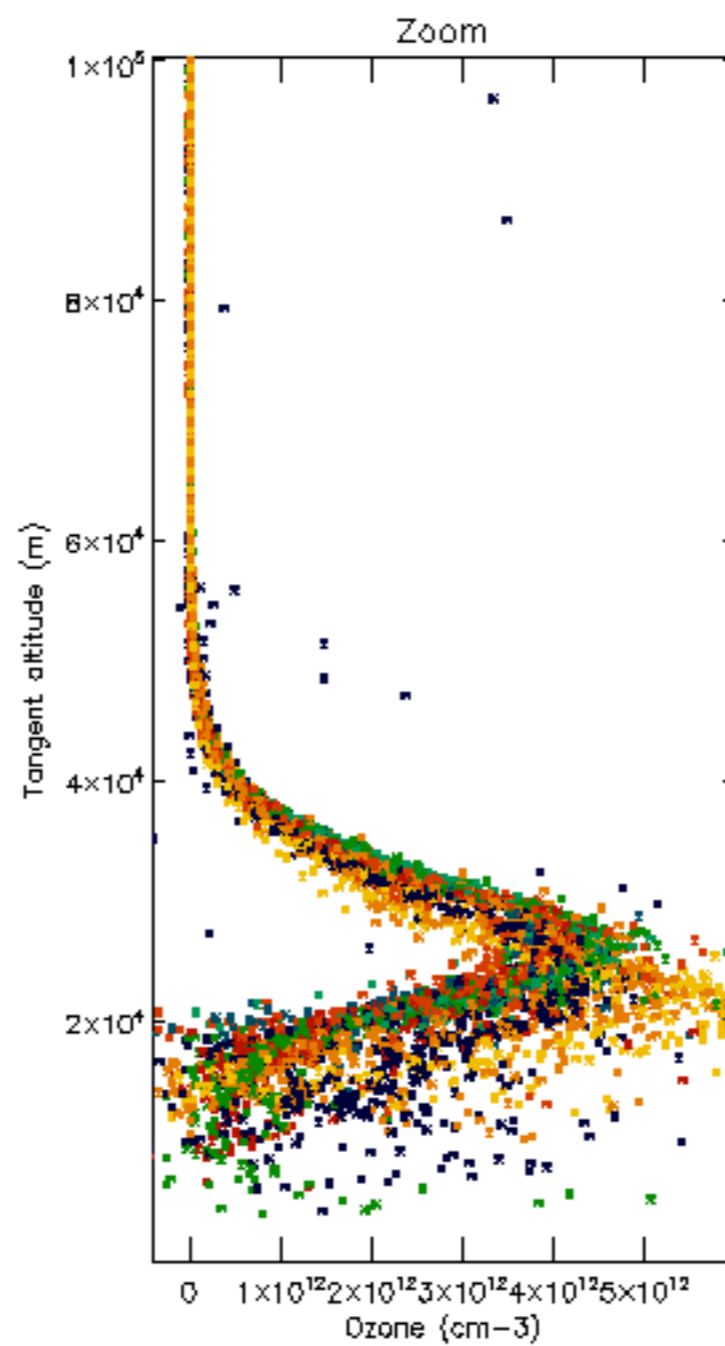
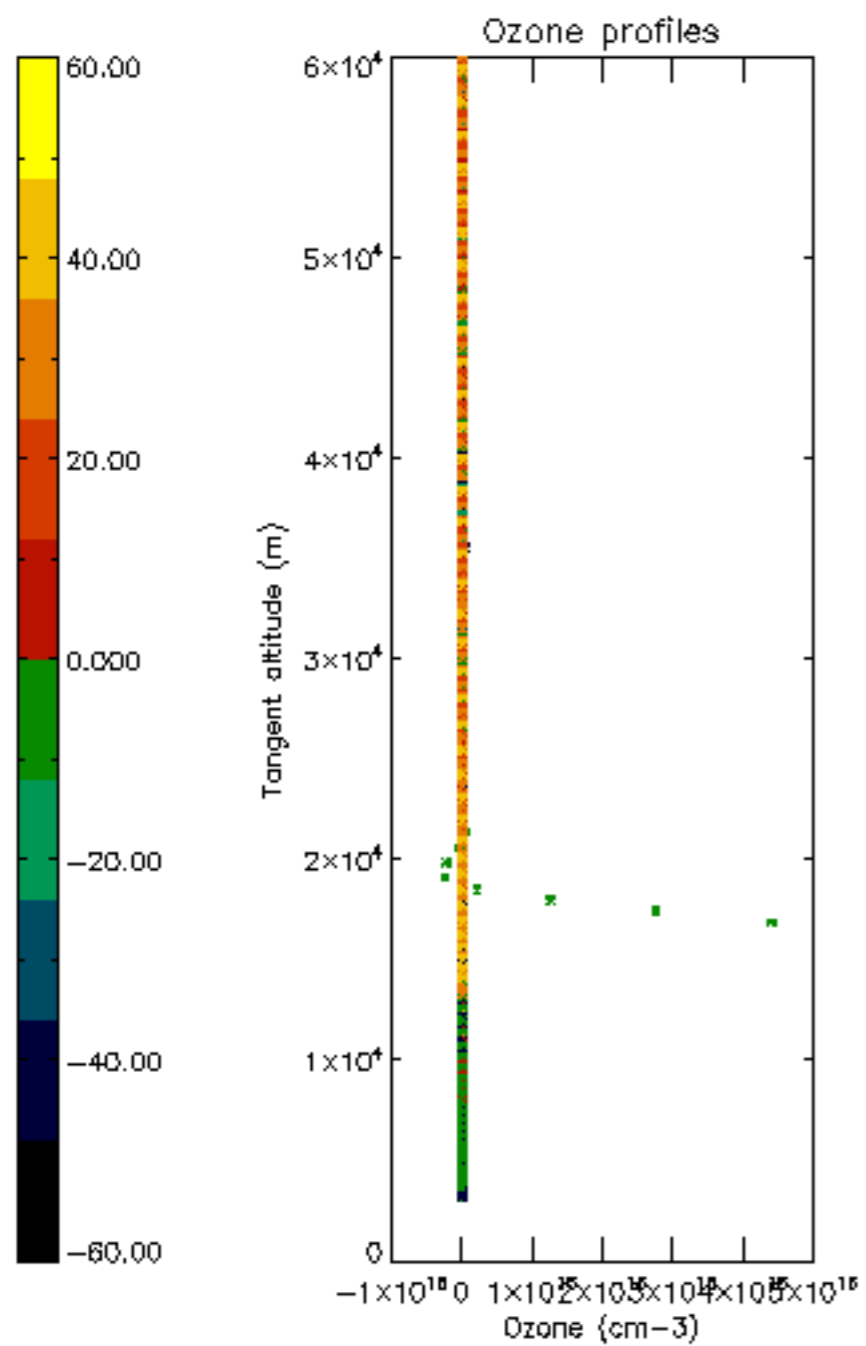


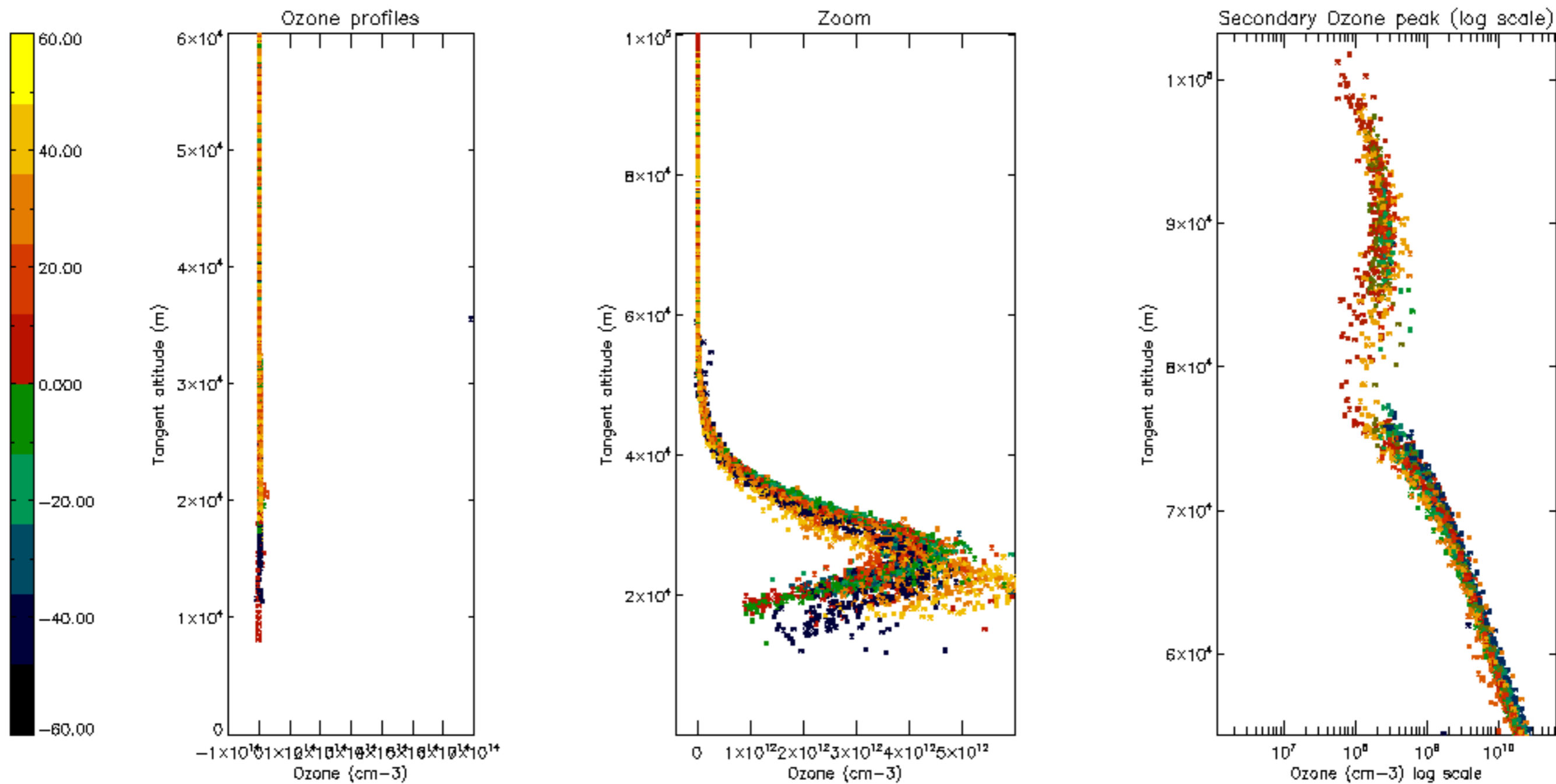
Percentage of star falling outside central band per profile

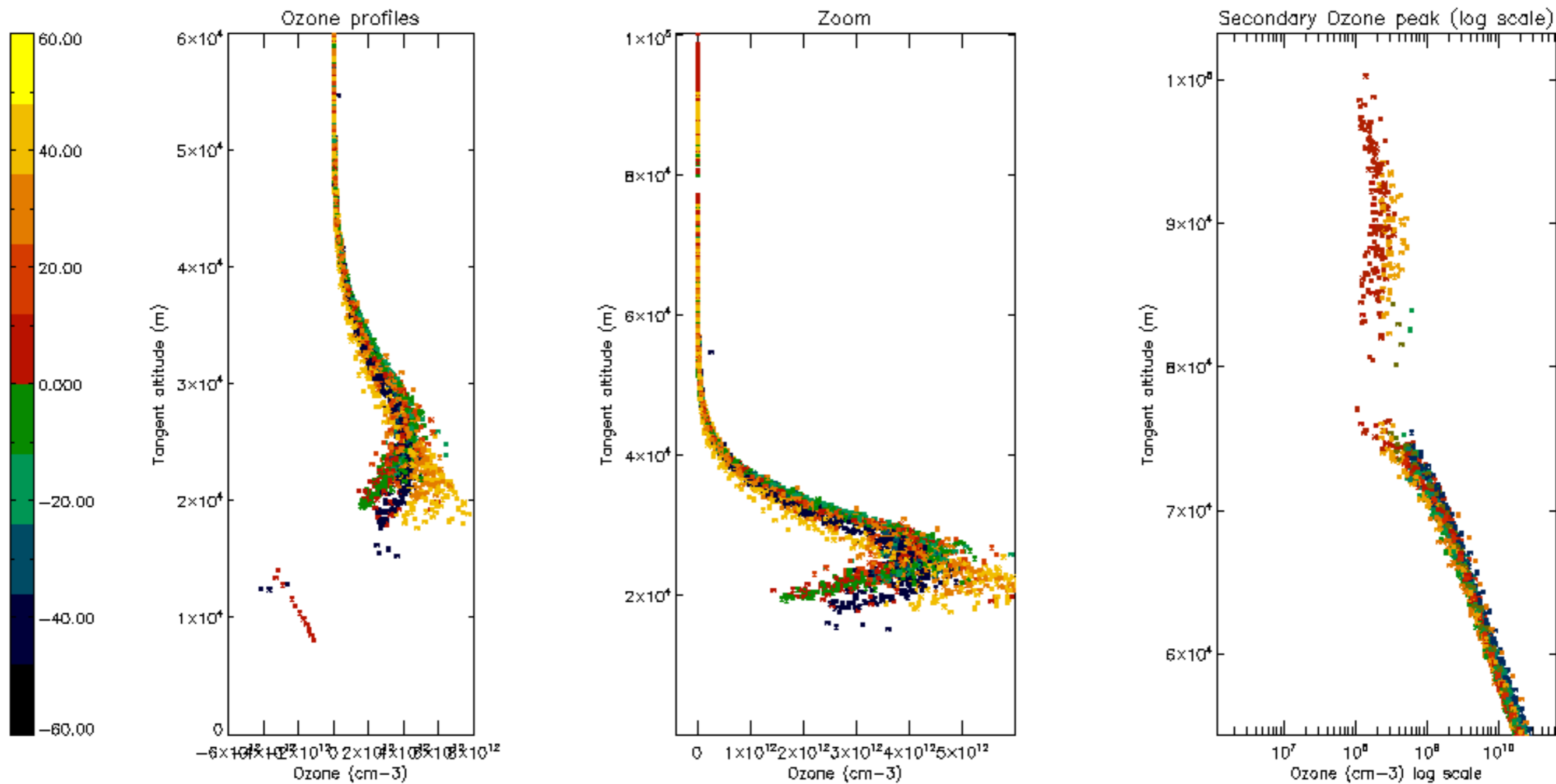


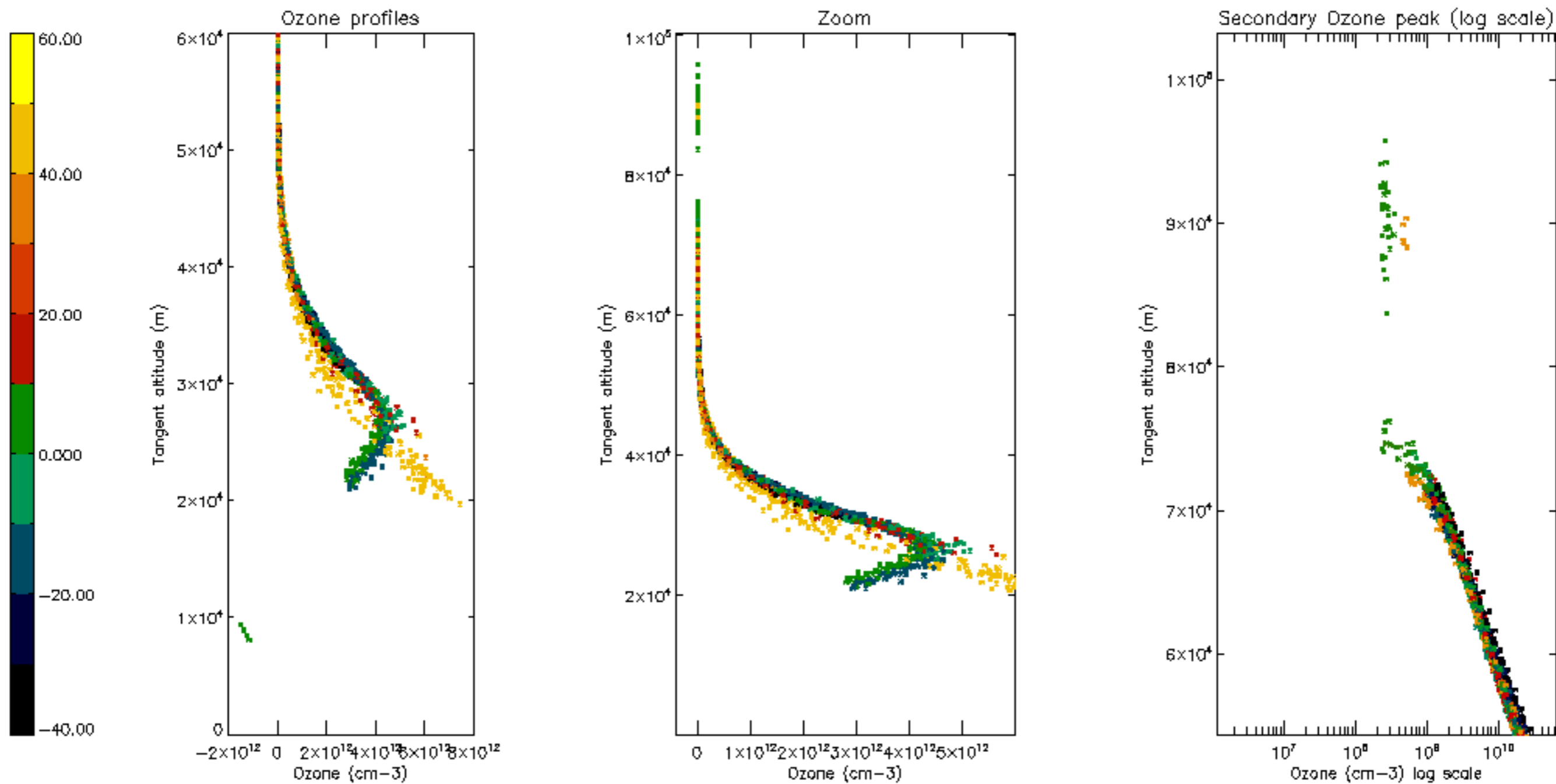
Percentage of saturation errors per profile

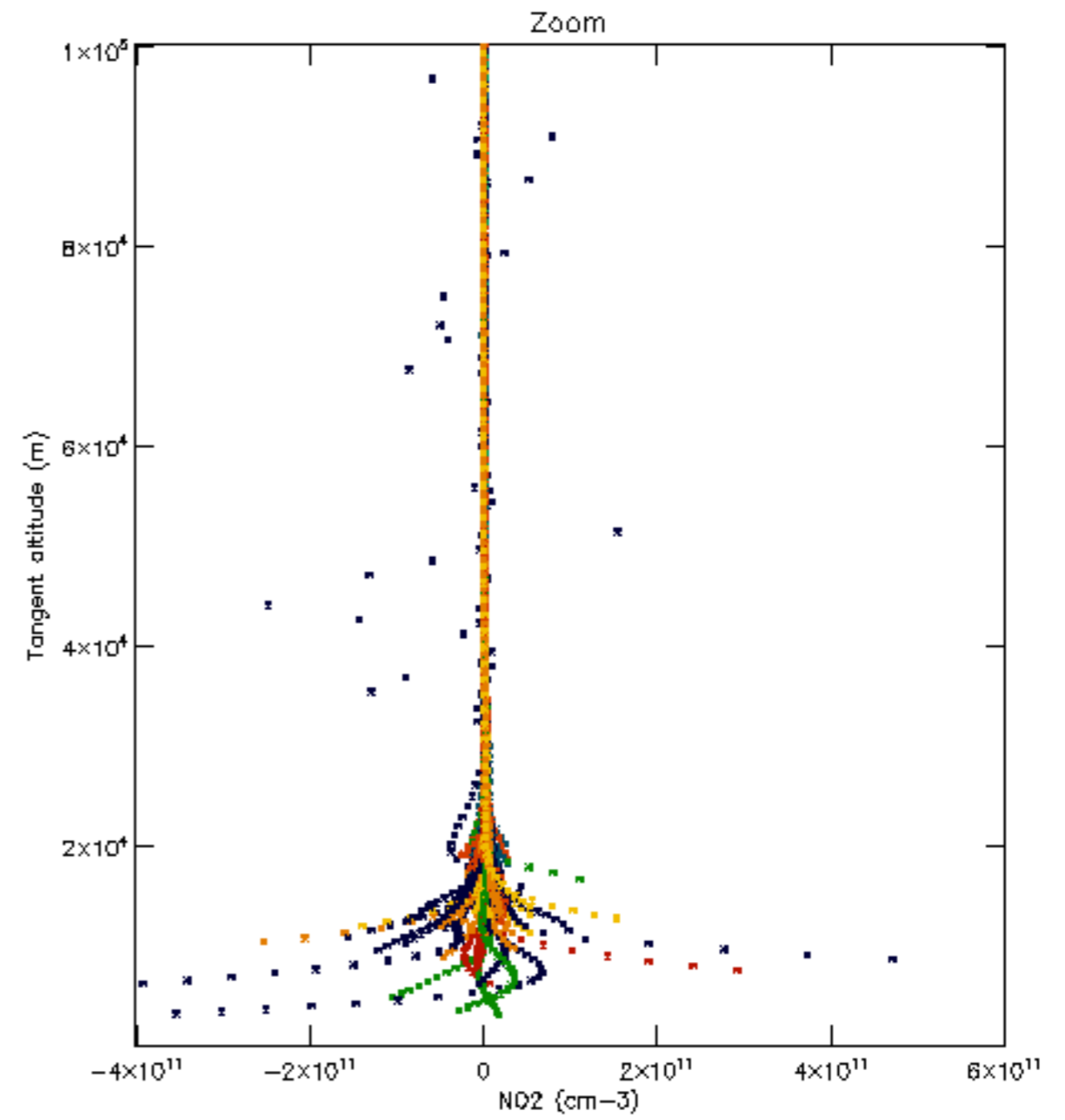
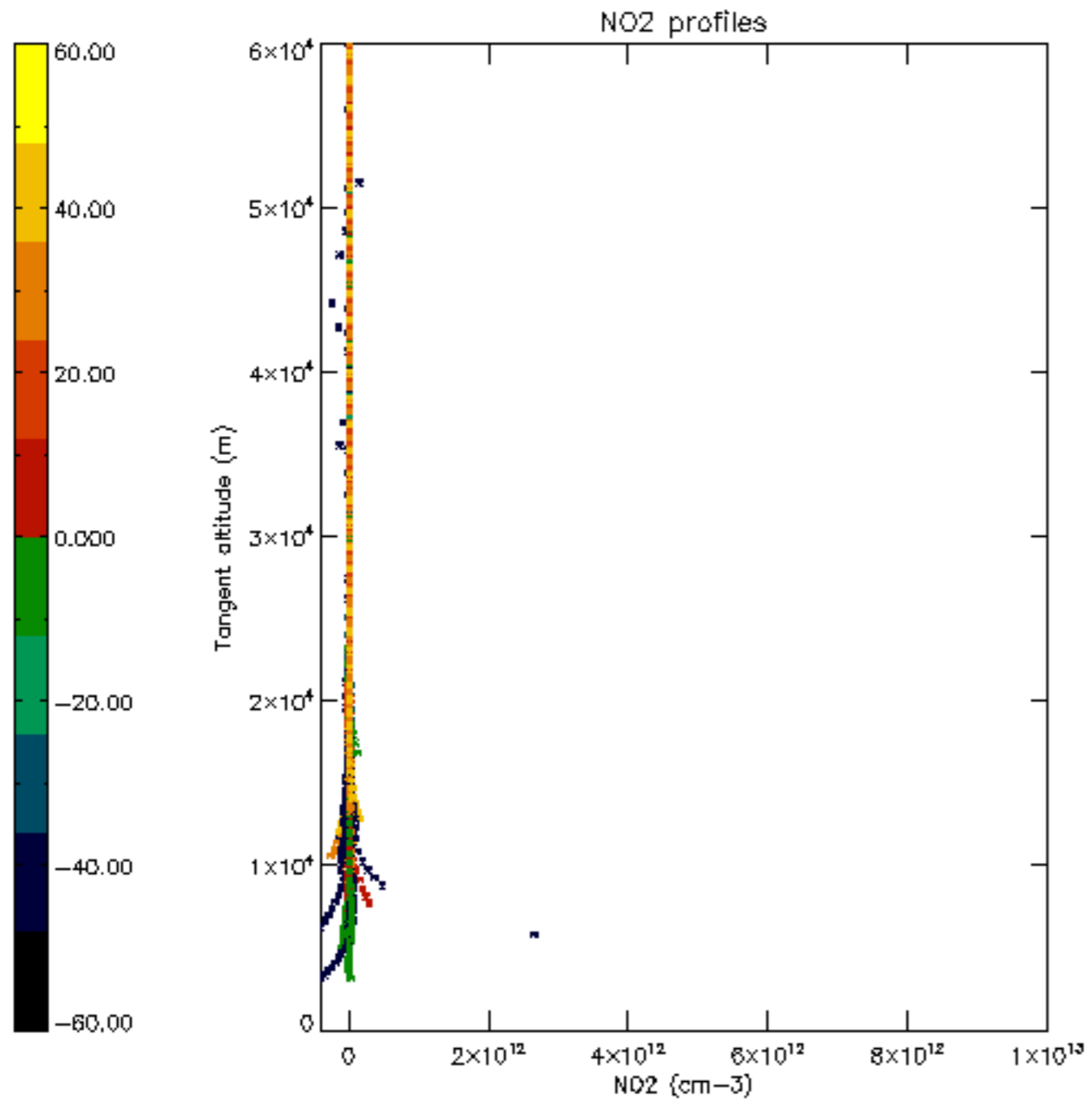


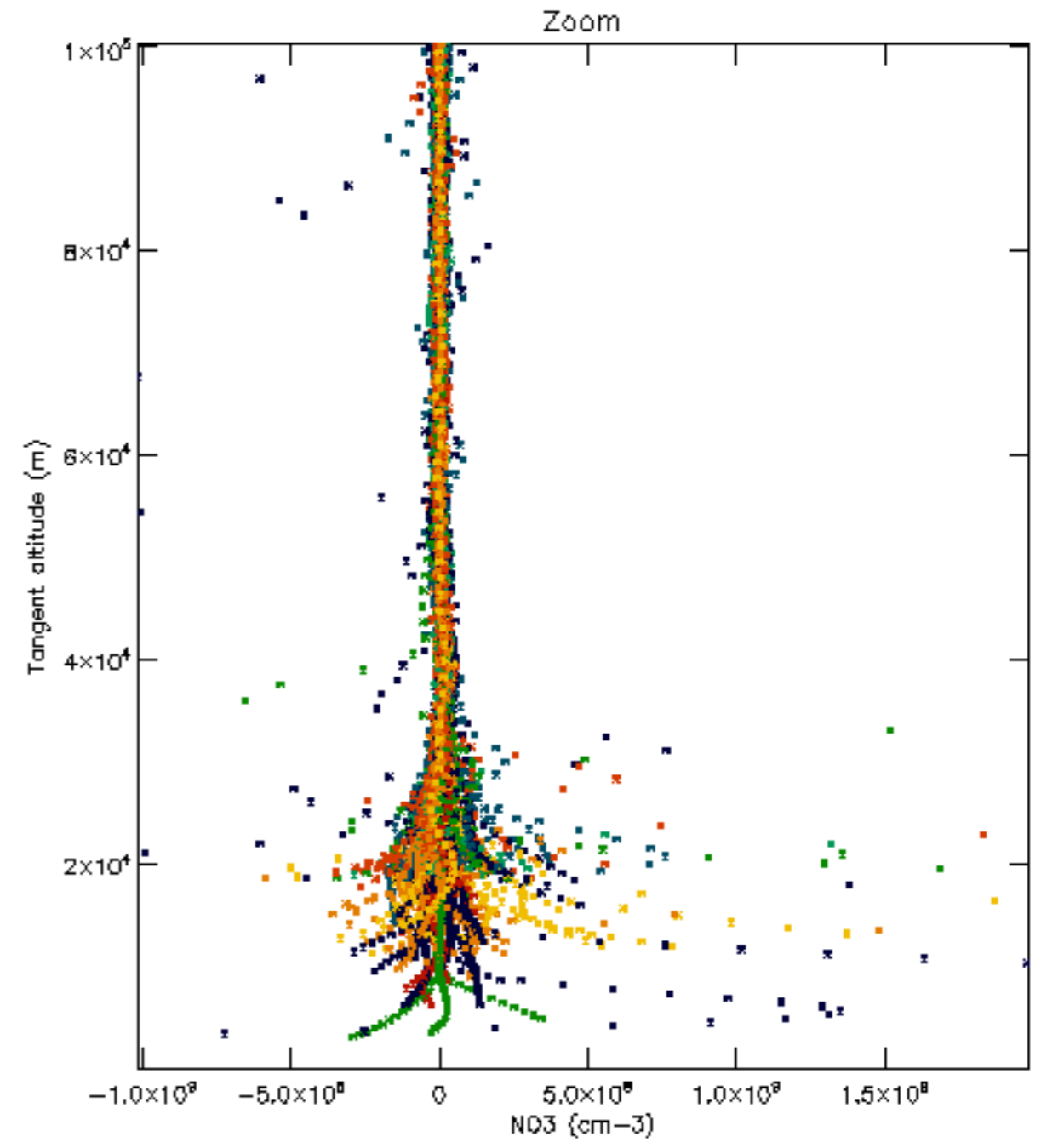
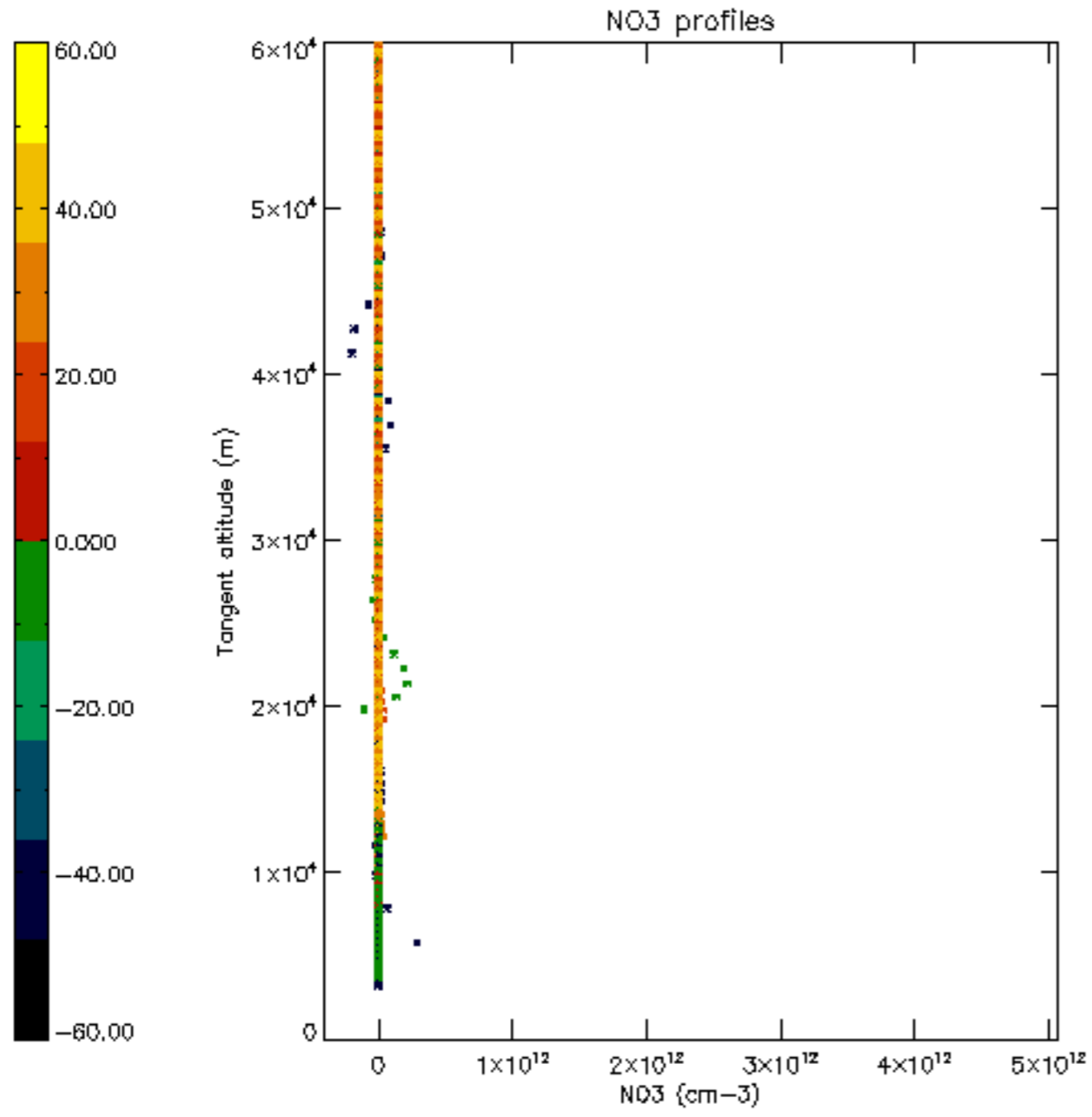


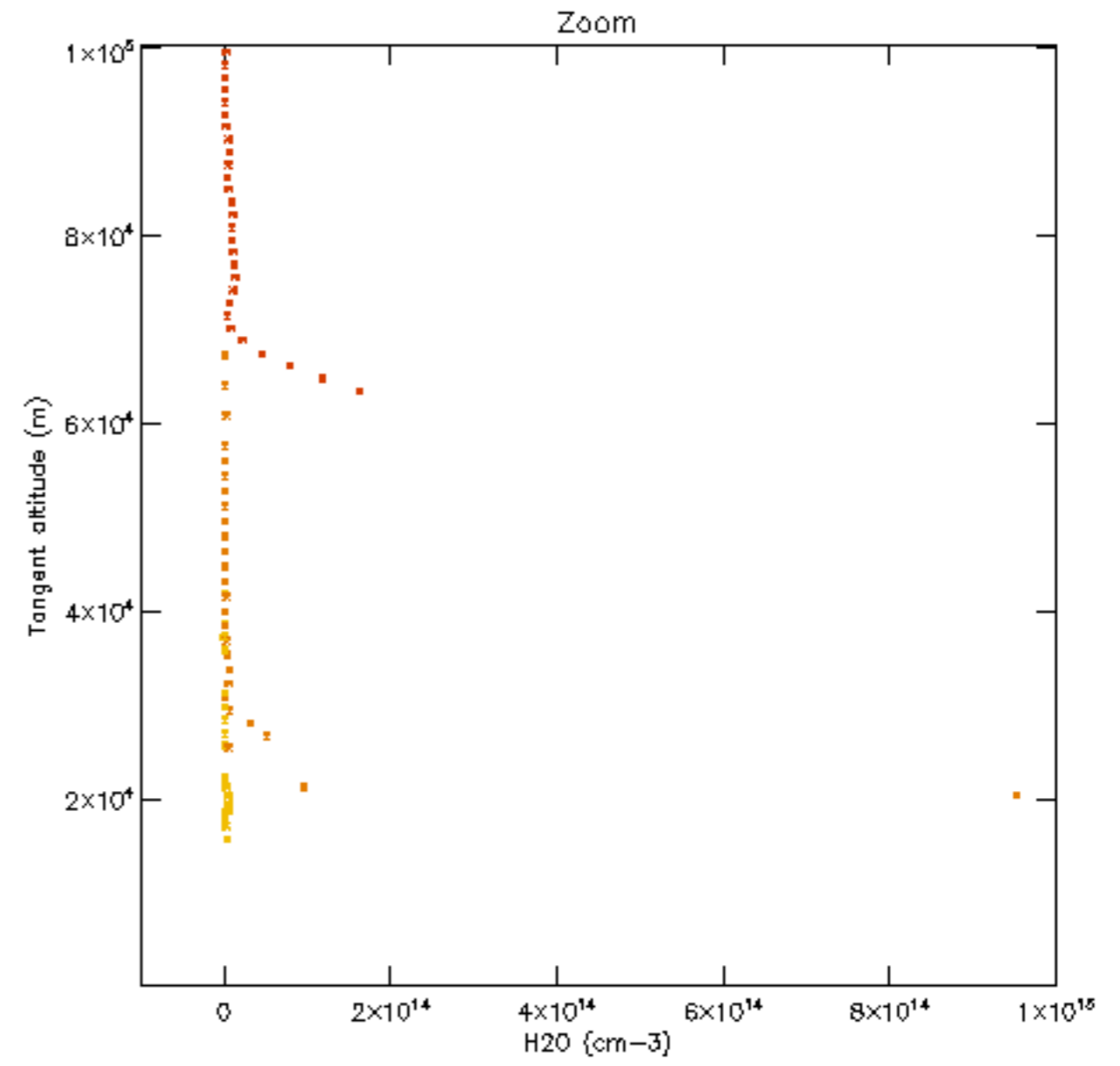
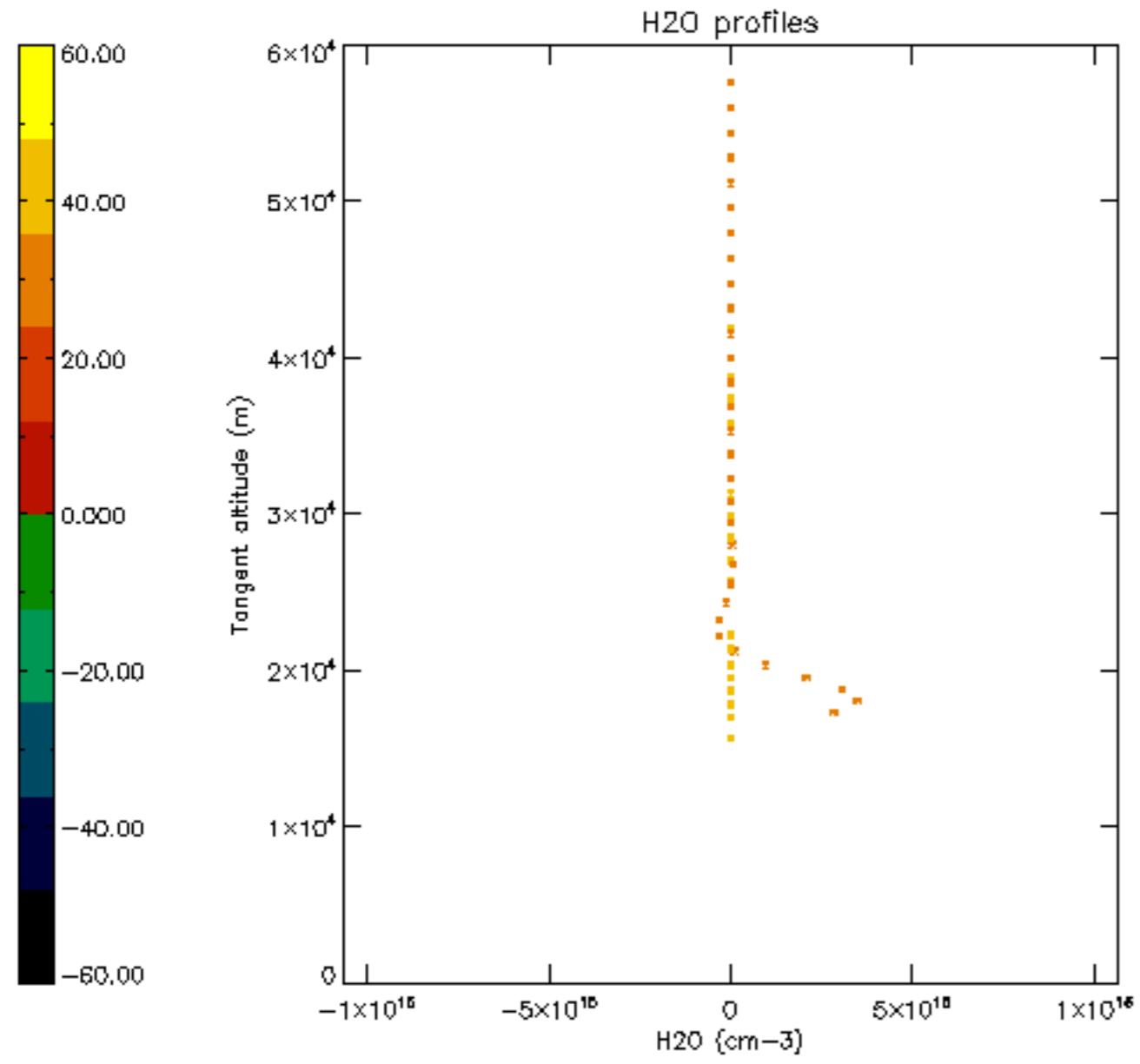


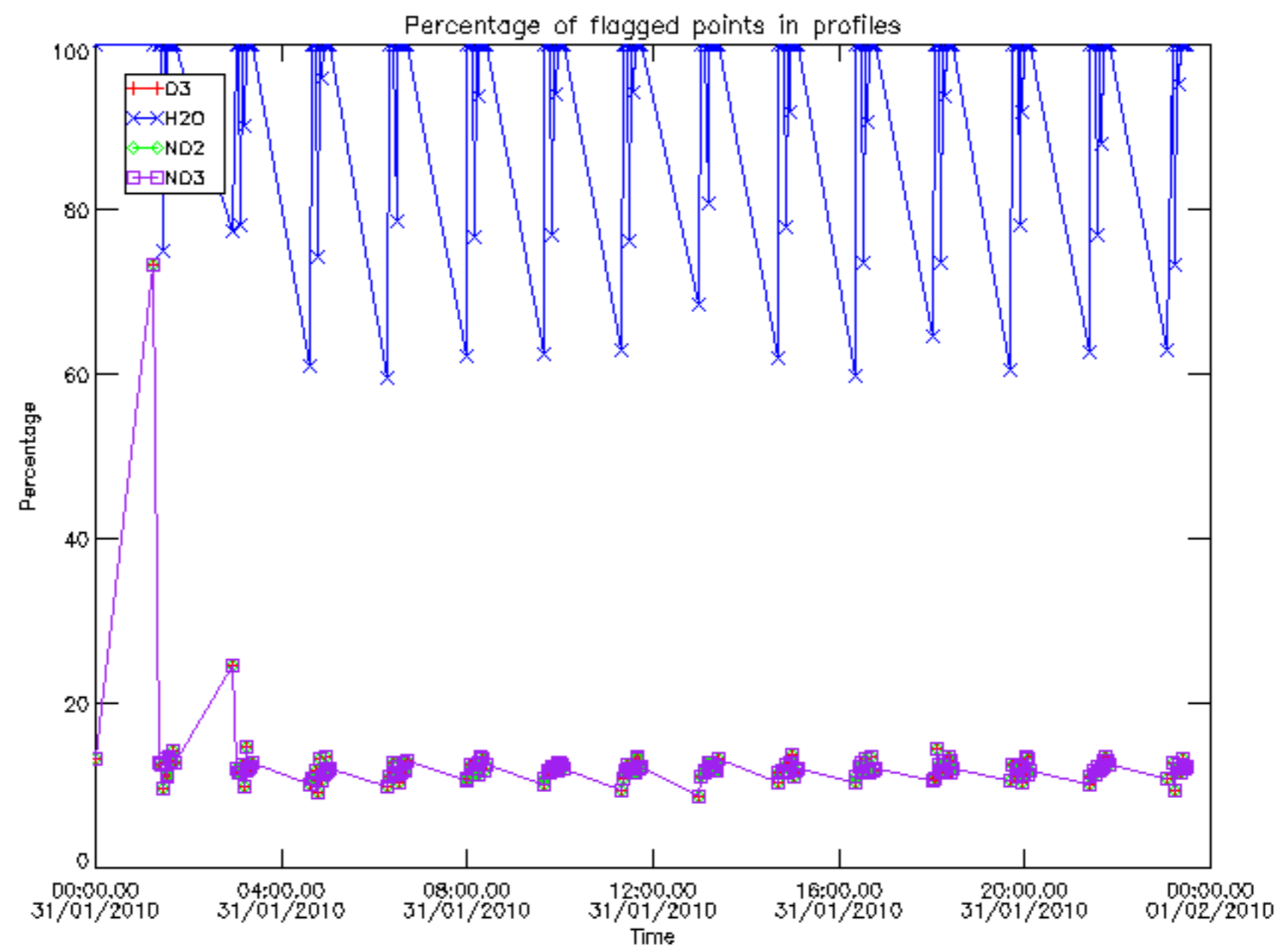




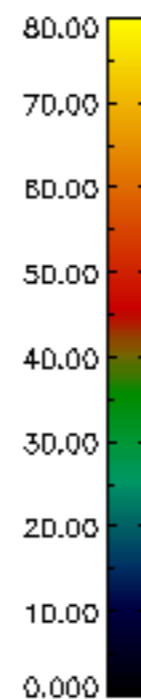
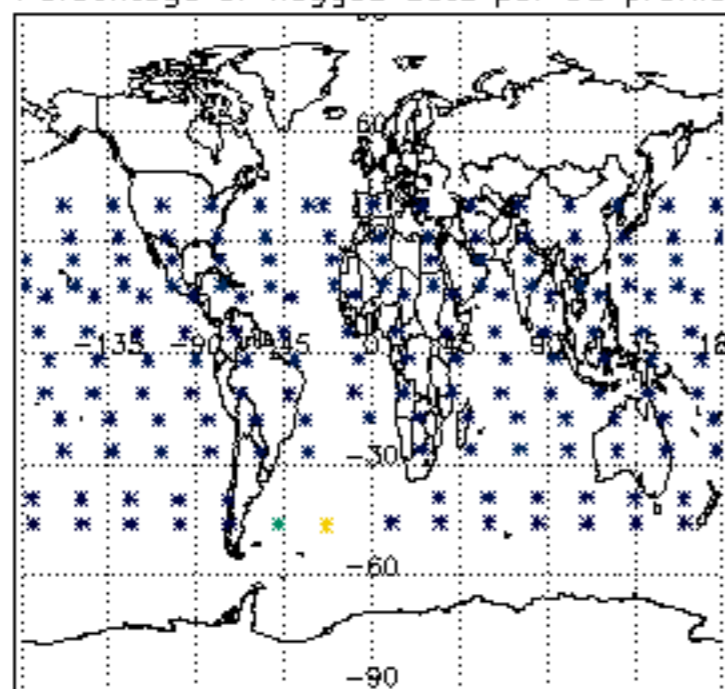




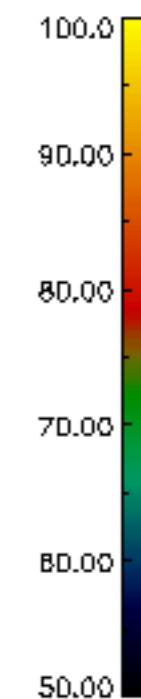
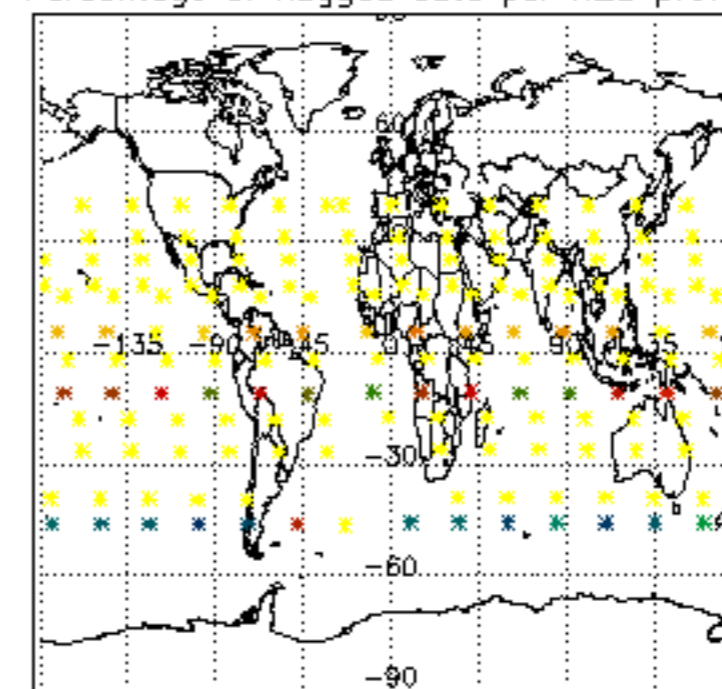




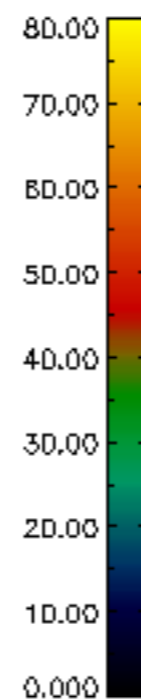
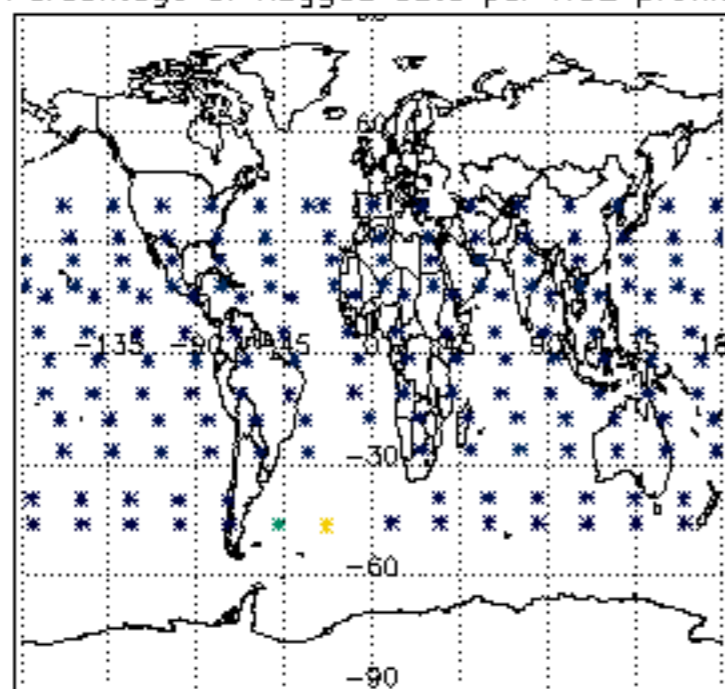
Percentage of flagged data per D3 profile



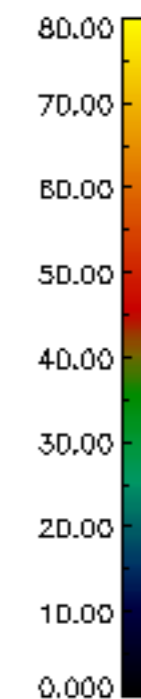
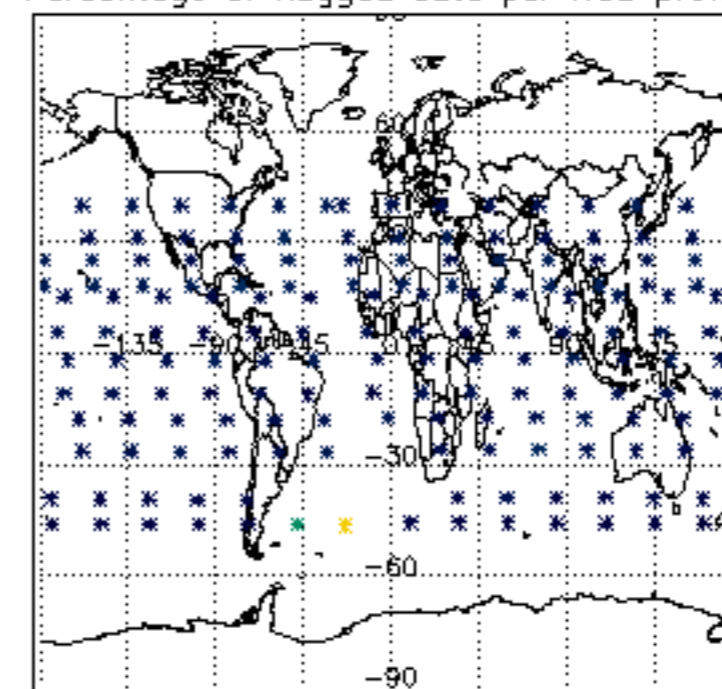
Percentage of flagged data per H2O profile

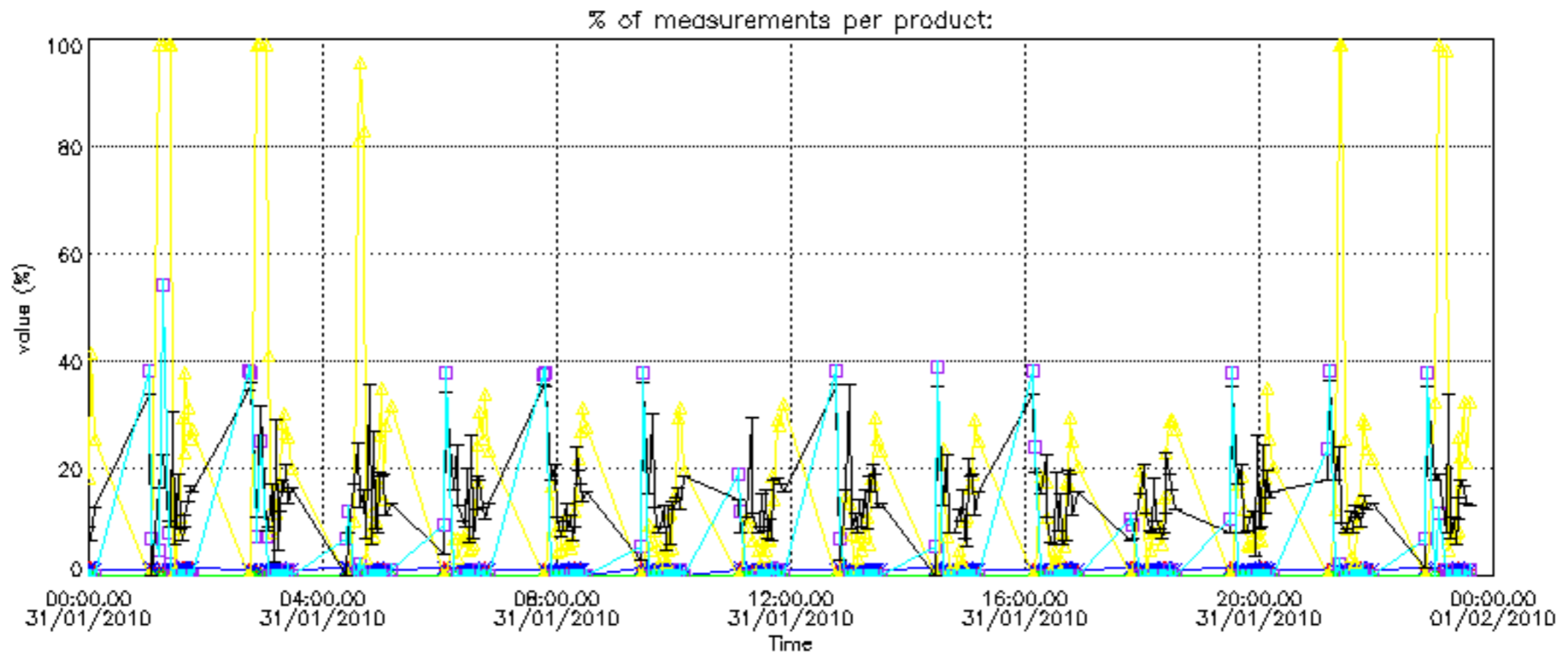


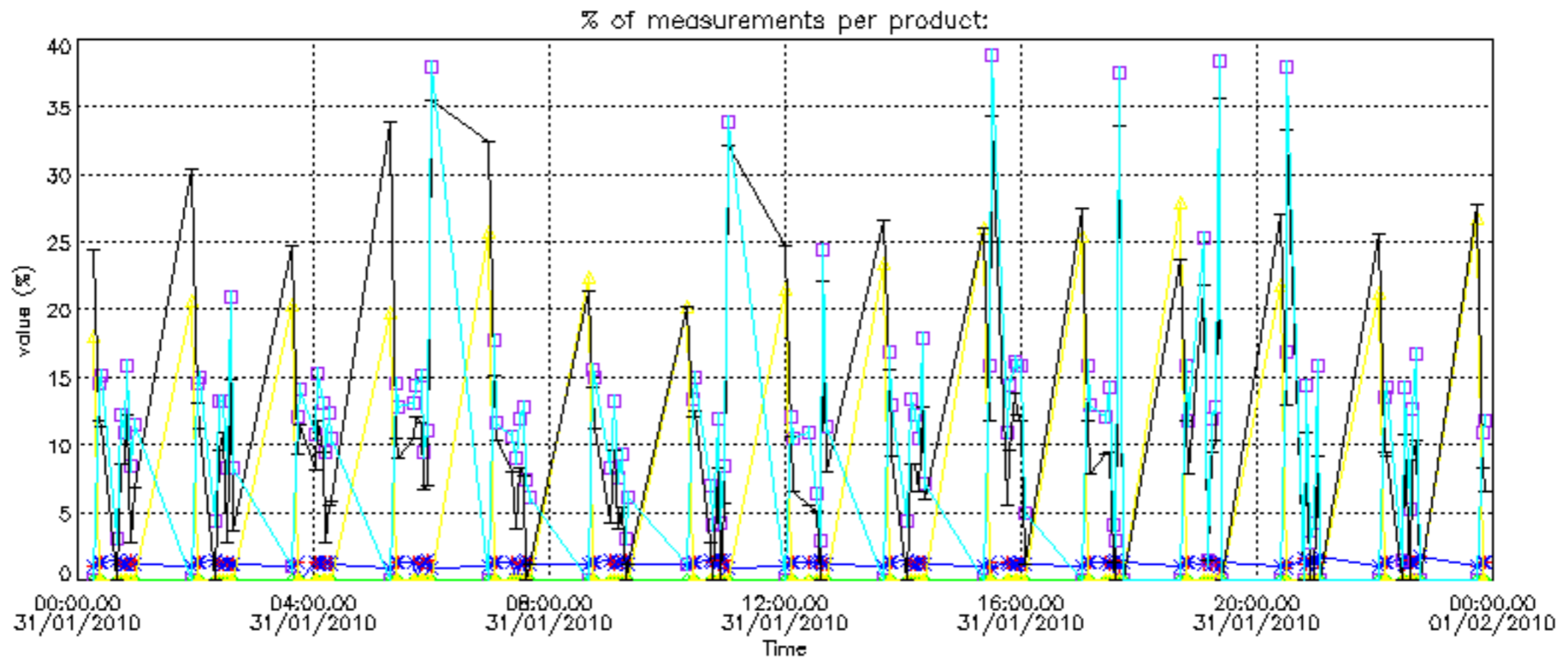
Percentage of flagged data per NO2 profile



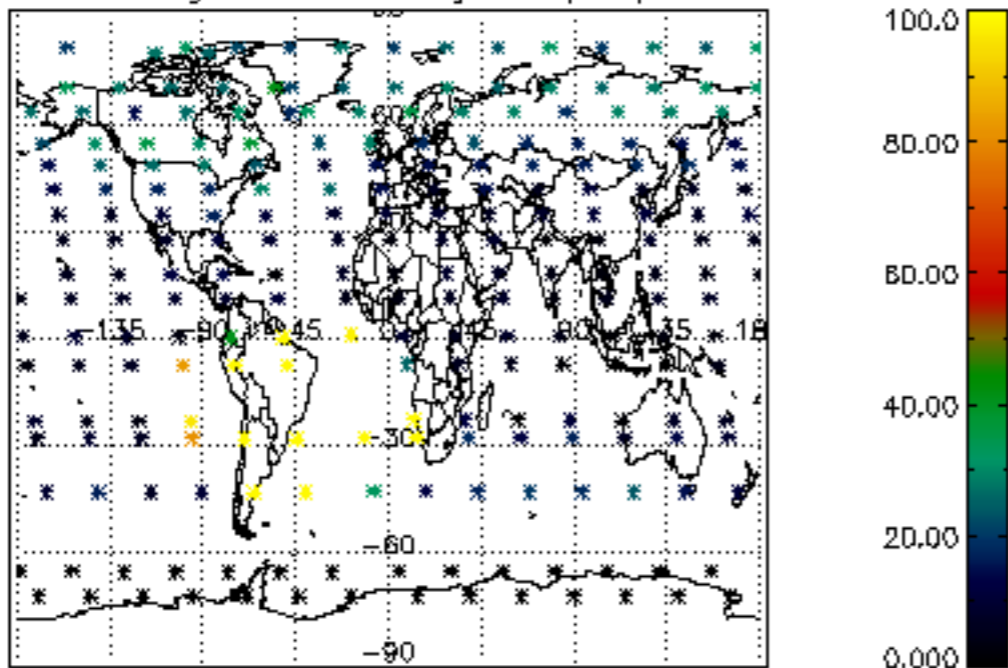
Percentage of flagged data per NO3 profile



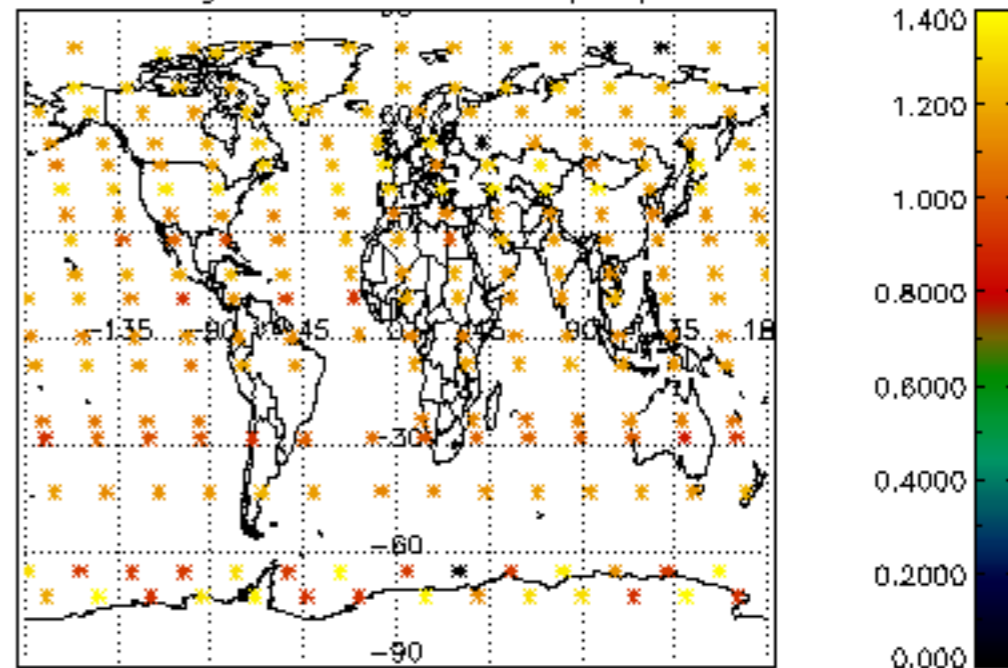




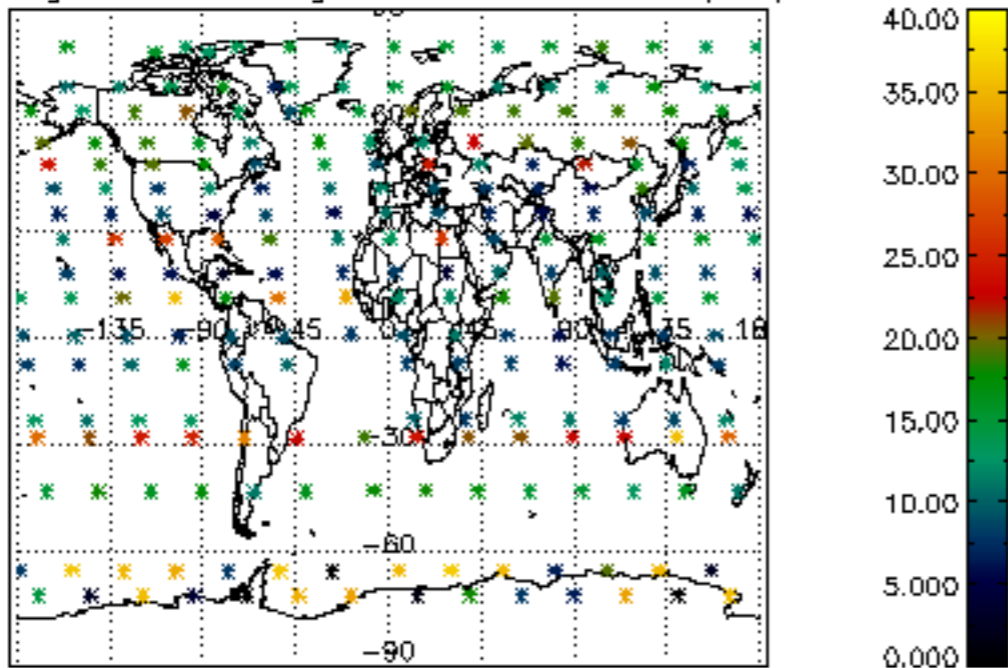
Percentage of cosmic ray hits per profile



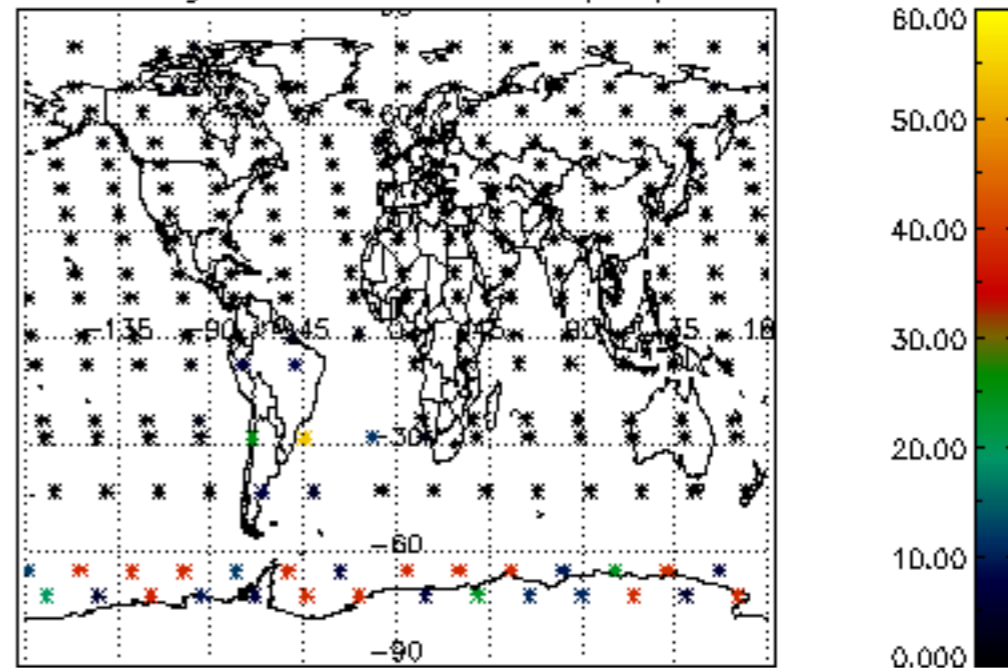
Percentage of datation errors per profile



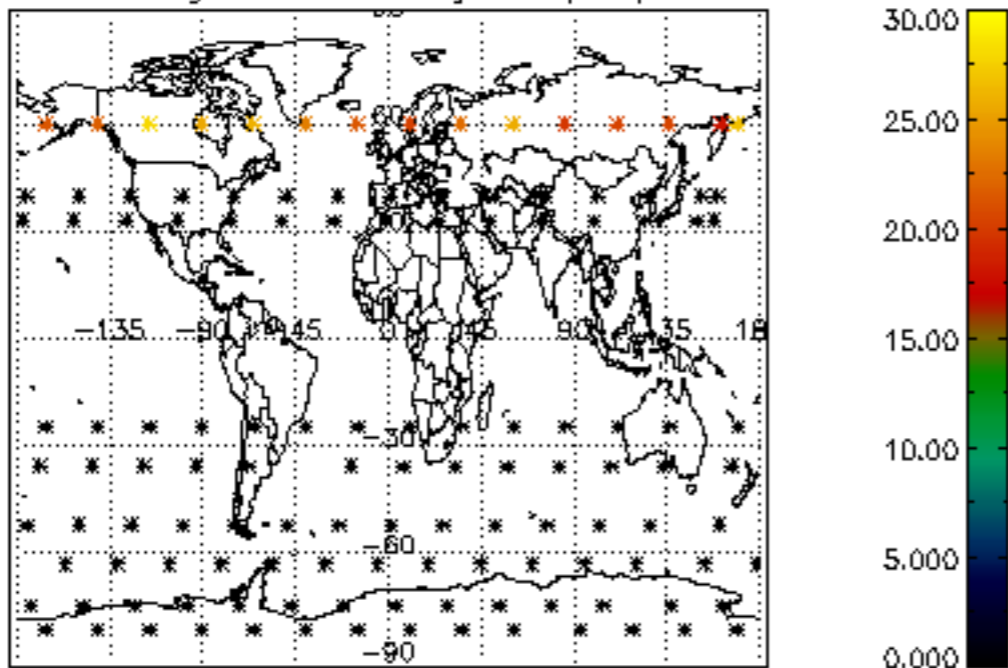
Percentage of star falling outside central band per profile



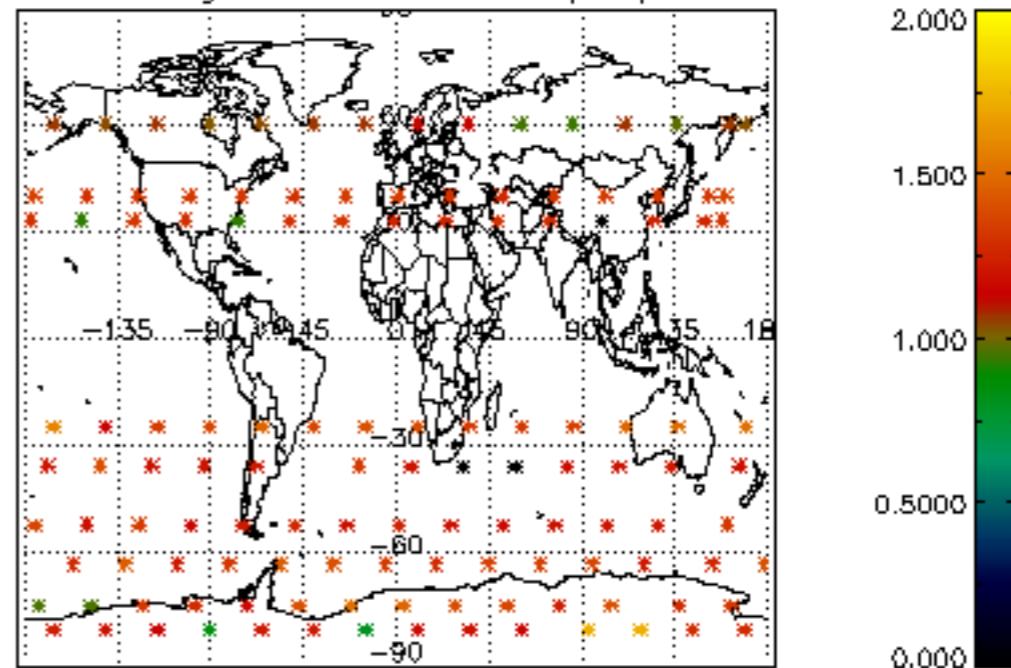
Percentage of saturation errors per profile



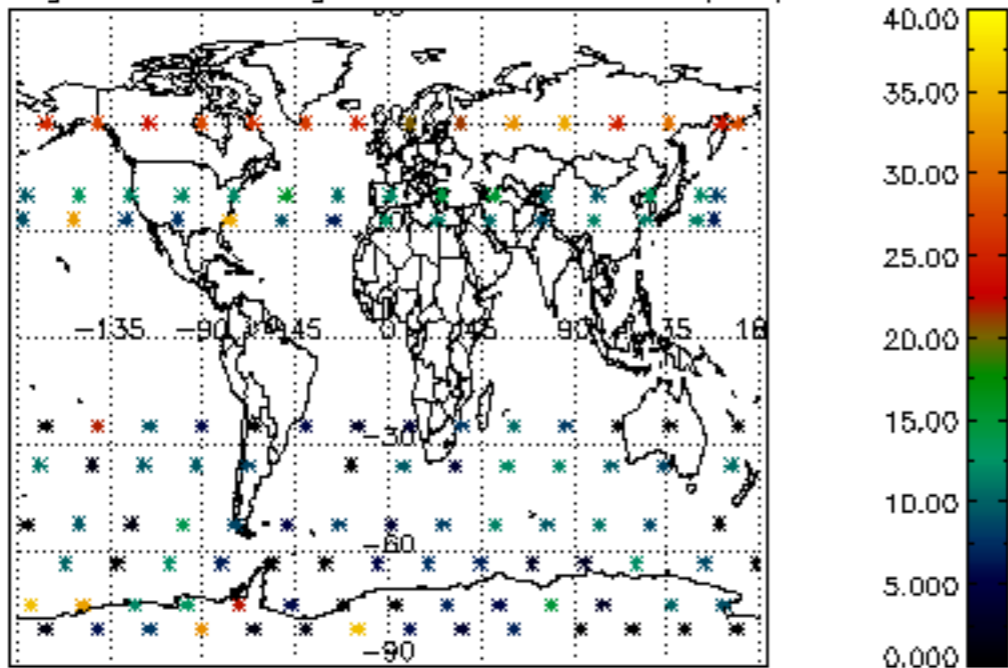
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

