

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	24APR2013 09:14:53
Data source version	GOMOS/6.01
Start time of products	16-01-2011 (16JAN2011 00:00:00)
Stop time of products	17-01-2011 (17JAN2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	342
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

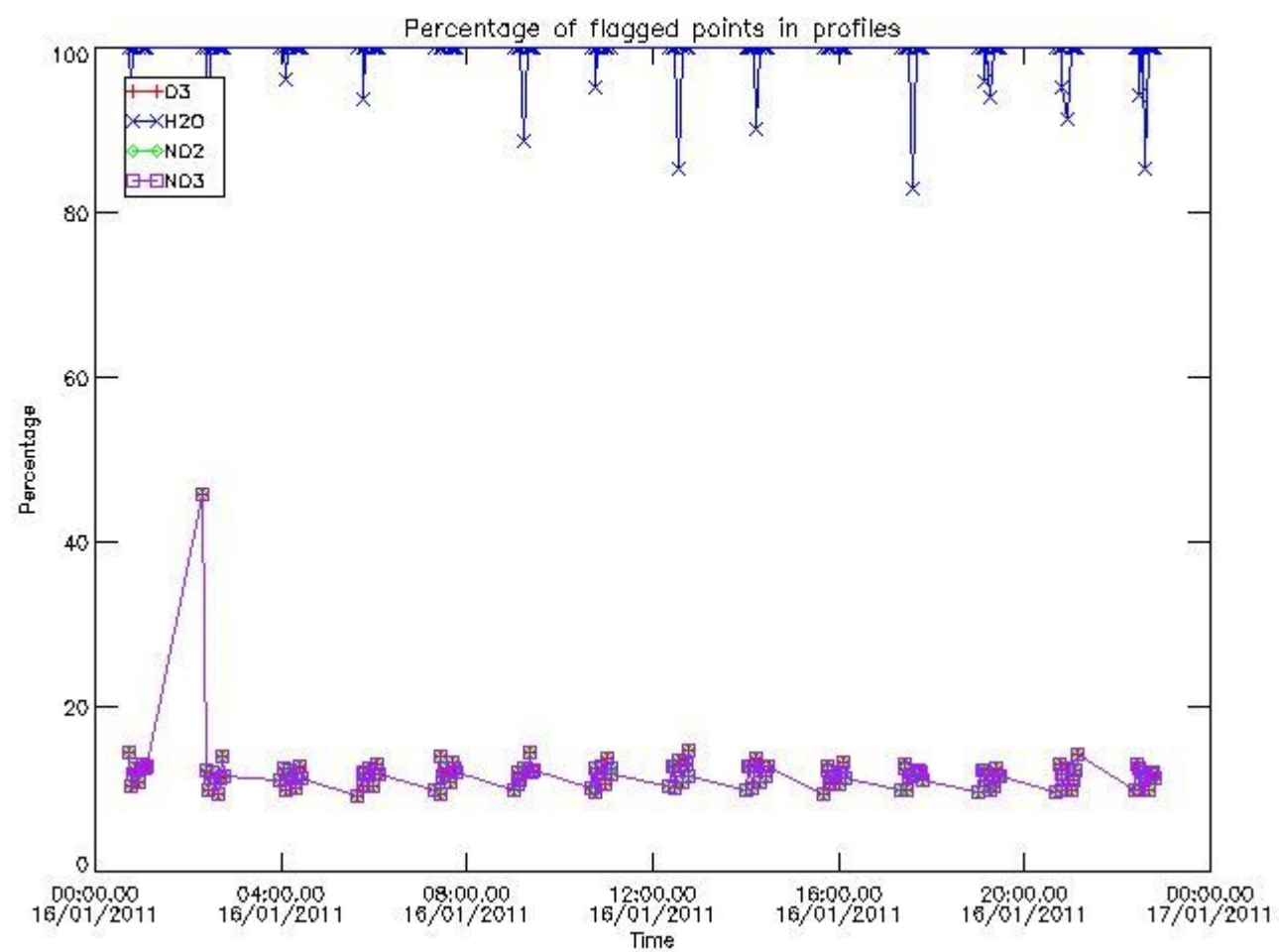
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110116_000714_000000413098_00289_46424_8030.N1	16-JAN-2011 00:07:14	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46424	No
2	GOM_NL__2PRFIN20110116_001134_000000383098_00289_46424_8031.N1	16-JAN-2011 00:11:34	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46424	No
3	GOM_NL__2PRFIN20110116_002025_000000383098_00289_46424_8032.N1	16-JAN-2011 00:20:25	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	46424	No
4	GOM_NL__2PRFIN20110116_002239_000000643098_00289_46424_8033.N1	16-JAN-2011 00:22:39	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46424	No
5	GOM_NL__2PRFIN20110116_002904_000000633098_00289_46424_8034.N1	16-JAN-2011 00:29:04	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46424	No
6	GOM_NL__2PRFIN20110116_003111_000000573098_00289_46424_8035.N1	16-JAN-2011 00:31:11	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46424	No
7	GOM_NL__2PRFIN20110116_003454_000000493098_00289_46424_8036.N1	16-JAN-2011 00:34:54	Twilight	49.000	104	27Bet Lib	2.6140	13100.	98	46424	No
8	GOM_NL__2PRFIN20110116_003646_000000443098_00289_46424_8037.N1	16-JAN-2011 00:36:46	Twilight	43.500	80	7Del Sco	2.3160	30000.	87	46424	No
9	GOM_NL__2PRFIN20110116_004359_000000433098_00289_46424_8038.N1	16-JAN-2011 00:43:59	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46424	No
10	GOM_NL__2PRFIN20110116_004521_000000503098_00289_46424_8039.N1	16-JAN-2011 00:45:21	Dark	49.500	54	5The Cen	2.0550	4500.0	99	46424	No
11	GOM_NL__2PRFIN20110116_004733_000000443098_00290_46425_8031.N1	16-JAN-2011 00:47:33	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46425	No
12	GOM_NL__2PRFIN20110116_005135_000000413098_00290_46425_8032.N1	16-JAN-2011 00:51:35	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46425	No
13	GOM_NL__2PRFIN20110116_005737_000000523098_00290_46425_8033.N1	16-JAN-2011 00:57:37	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	46425	No
14	GOM_NL__2PRFIN20110116_010047_000000403098_00290_46425_8034.N1	16-JAN-2011 01:00:47	Dark	39.500	46	Del Vel	1.9540	10600.	79	46425	No
15	GOM_NL__2PRFIN20110116_010328_000000413098_00290_46425_8035.N1	16-JAN-2011 01:03:28	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	46425	No
16	GOM_NL__2PRFIN20110116_010536_000000443098_00290_46425_8036.N1	16-JAN-2011 01:05:36	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46425	No
17	GOM_NL__2PRFIN20110116_010922_000000433098_00290_46425_8037.N1	16-JAN-2011 01:09:22	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	46425	No
18	GOM_NL__2PRFIN20110116_011112_000000403098_00290_46425_8038.N1	16-JAN-2011 01:11:12	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46425	No
19	GOM_NL__2PRFIN20110116_012004_000000623098_00290_46425_8039.N1	16-JAN-2011 01:20:04	Twilight	62.000	8	10Alp CMi	0.40000	6500.0	124	46425	No
20	GOM_NL__2PRFIN20110116_012301_000000543098_00290_46425_8040.N1	16-JAN-2011 01:23:01	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46425	No
21	GOM_NL__2PRFIN20110116_012444_000000393098_00290_46425_8041.N1	16-JAN-2011 01:24:44	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	46425	No
22	GOM_NL__2PRFIN20110116_012733_000000483098_00290_46425_8042.N1	16-JAN-2011 01:27:33	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46425	No
23	GOM_NL__2PRFIN20110116_014728_000000363098_00290_46425_8043.N1	16-JAN-2011 01:47:28	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46425	No
24	GOM_NL__2PRFIN20110116_015148_000000373098_00290_46425_8044.N1	16-JAN-2011 01:51:48	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46425	No
25	GOM_NL__2PRFIN20110116_020040_000000553098_00290_46425_8045.N1	16-JAN-2011 02:00:40	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46425	No
26	GOM_NL__2PRFIN20110116_020253_000000433098_00290_46425_8046.N1	16-JAN-2011 02:02:53	Bright	42.500	67	5Alp CrB	2.2210	11000.	85	46425	No
27	GOM_NL__2PRFIN20110116_020918_000000533098_00290_46425_8047.N1	16-JAN-2011 02:09:18	Bright	52.500	102	24Alp Ser	2.6000	4250.0	105	46425	No
28	GOM_NL__2PRFIN20110116_021125_000000573098_00290_46425_8048.N1	16-JAN-2011 02:11:25	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46425	No
29	GOM_NL__2PRFIN20110116_021509_000000483098_00290_46425_8049.N1	16-JAN-2011 02:15:09	Twilight	48.000	104	27Bet Lib	2.6140	13100.	96	46425	No
30	GOM_NL__2PRFIN20110116_021701_000000463098_00290_46425_8050.N1	16-JAN-2011 02:17:01	Twilight	45.500	80	7Del Sco	2.3160	30000.	91	46425	No
31	GOM_NL__2PRFIN20110116_021826_000000543098_00290_46425_8051.N1	16-JAN-2011 02:18:26	Dark	54.000	122	9Alp2Lib	2.7470	9700.0	108	46425	No
32	GOM_NL__2PRFIN20110116_022414_000000423098_00290_46425_8052.N1	16-JAN-2011 02:24:14	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46425	No
33	GOM_NL__2PRFIN20110116_022536_000000523098_00290_46425_8053.N1	16-JAN-2011 02:25:36	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46425	No
34	GOM_NL__2PRFIN20110116_022748_000000453098_00291_46426_8042.N1	16-JAN-2011 02:27:48	Dark	45.000	95	Zet Cen	2.5450	26000.	90	46426	No
35	GOM_NL__2PRFIN20110116_023149_000000423098_00291_46426_8043.N1	16-JAN-2011 02:31:49	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46426	No
36	GOM_NL__2PRFIN20110116_023751_000000553098_00291_46426_8044.N1	16-JAN-2011 02:37:51	Dark	54.500	113	Mu Vel	2.6920	5000.0	109	46426	No
37	GOM_NL__2PRFIN20110116_024101_000000453098_00291_46426_8045.N1	16-JAN-2011 02:41:01	Dark	45.000	46	Del Vel	1.9540	10600.	90	46426	No
38	GOM_NL__2PRFIN20110116_024343_000000443098_00291_46426_8046.N1	16-JAN-2011 02:43:43	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46426	No
39	GOM_NL__2PRFIN20110116_024551_000000453098_00291_46426_8047.N1	16-JAN-2011 02:45:51	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46426	No
40	GOM_NL__2PRFIN20110116_024936_000000423098_00291_46426_8048.N1	16-JAN-2011 02:49:36	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46426	No
41	GOM_NL__2PRFIN20110116_025127_000000413098_00291_46426_8049.N1	16-JAN-2011 02:51:27	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	46426	No
42	GOM_NL__2PRFIN20110116_030018_000000553098_00291_46426_8050.N1	16-JAN-2011 03:00:18	Twilight	54.500	8	10Alp CMi	0.40000	6500.0	109	46426	No

338	GOM_NL__2PRFIN20110116_234344_000000373098_00303_46438_8554.N1	16-JAN-2011 23:43:44	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	46438	No
339	GOM_NL__2PRFIN20110116_234558_000000653098_00303_46438_8555.N1	16-JAN-2011 23:45:58	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46438	No
340	GOM_NL__2PRFIN20110116_235227_000000643098_00303_46438_8556.N1	16-JAN-2011 23:52:27	Bright	64.000	102	24Alp Ser	2.6000	4250.0	128	46438	No
341	GOM_NL__2PRFIN20110116_235433_000000573098_00303_46438_8557.N1	16-JAN-2011 23:54:33	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46438	No
342	GOM_NL__2PRFIN20110116_235822_000000523098_00303_46438_8558.N1	16-JAN-2011 23:58:22	Twilight_stray	51.500	104	27Bet Lib	2.6140	13100.	103	46438	No

3. Quality information per product

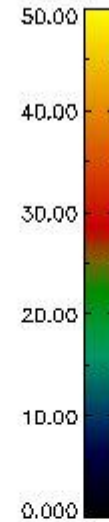
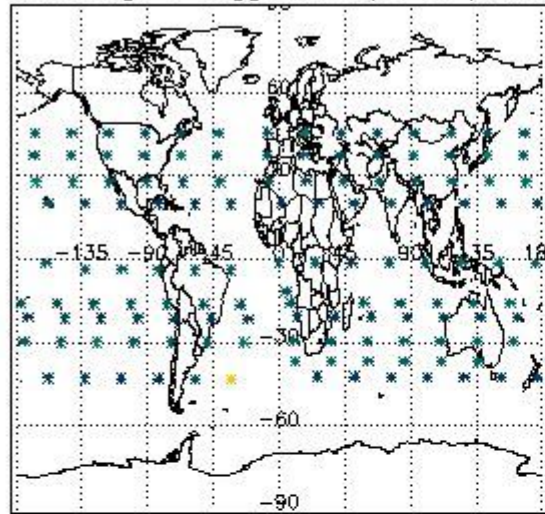
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

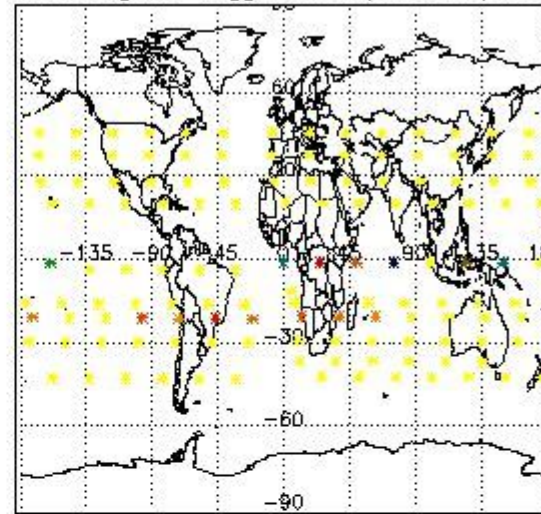


3.2 Plot quality information per product (world map)

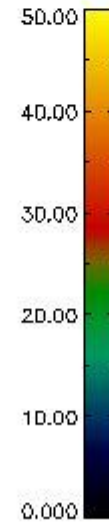
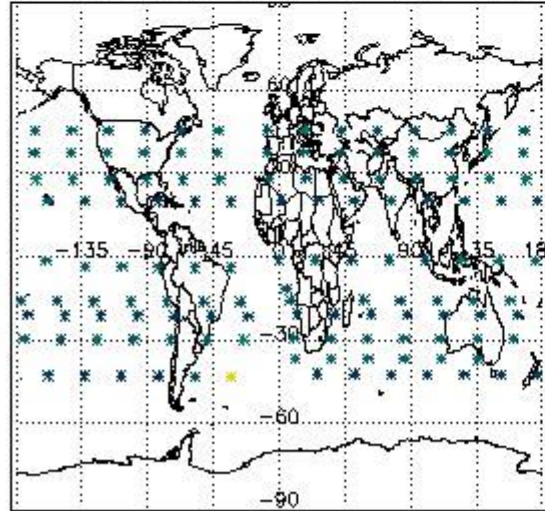
Percentage of flagged data per O3 profile



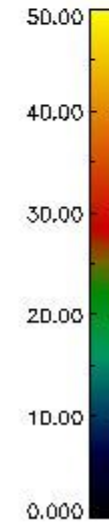
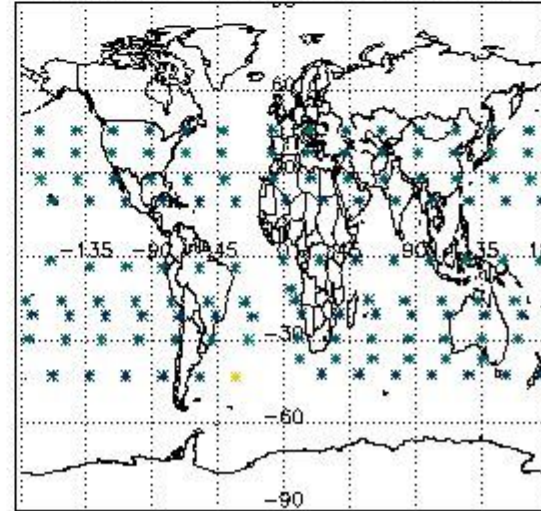
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

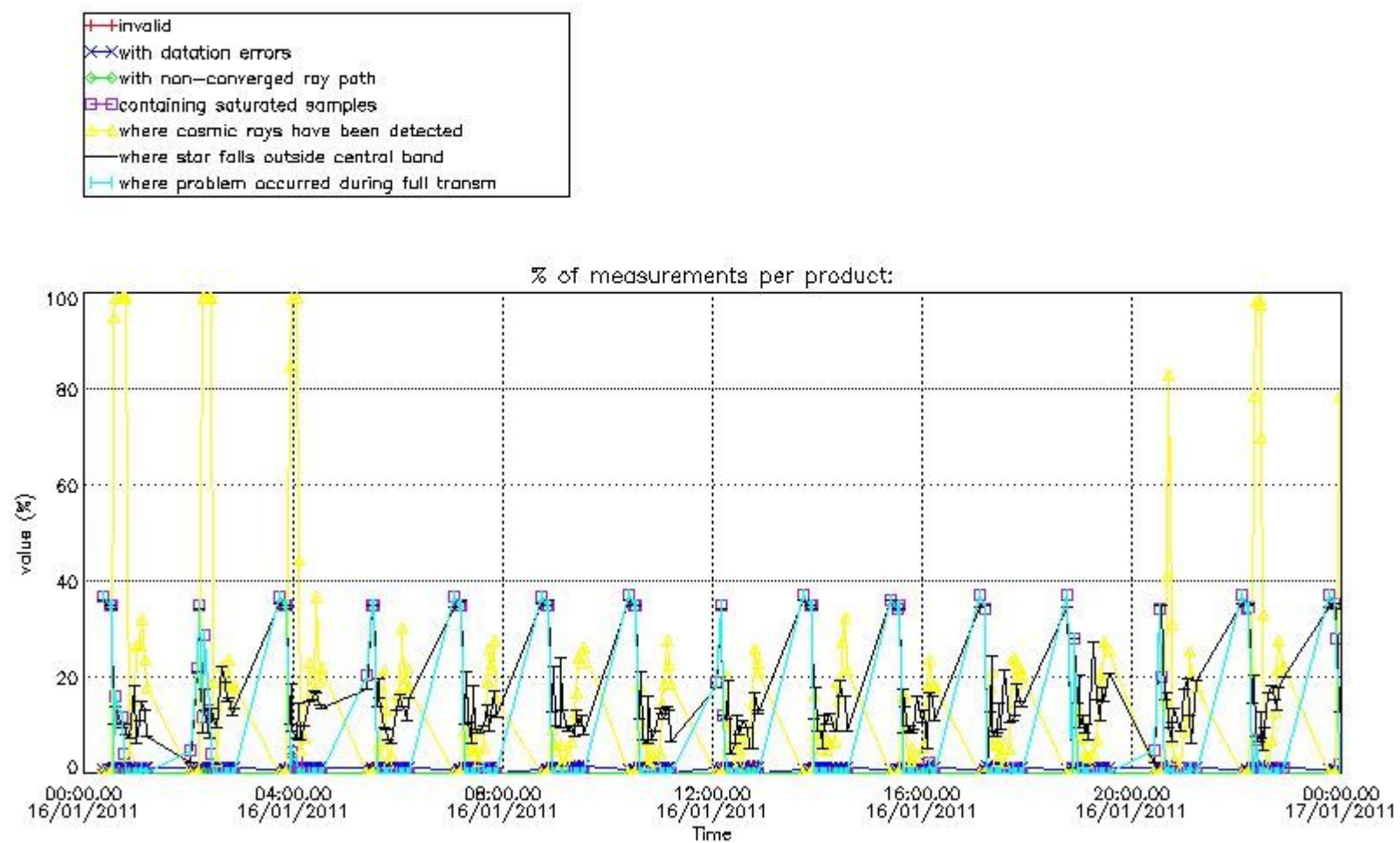


4. Level 1 quality information per product

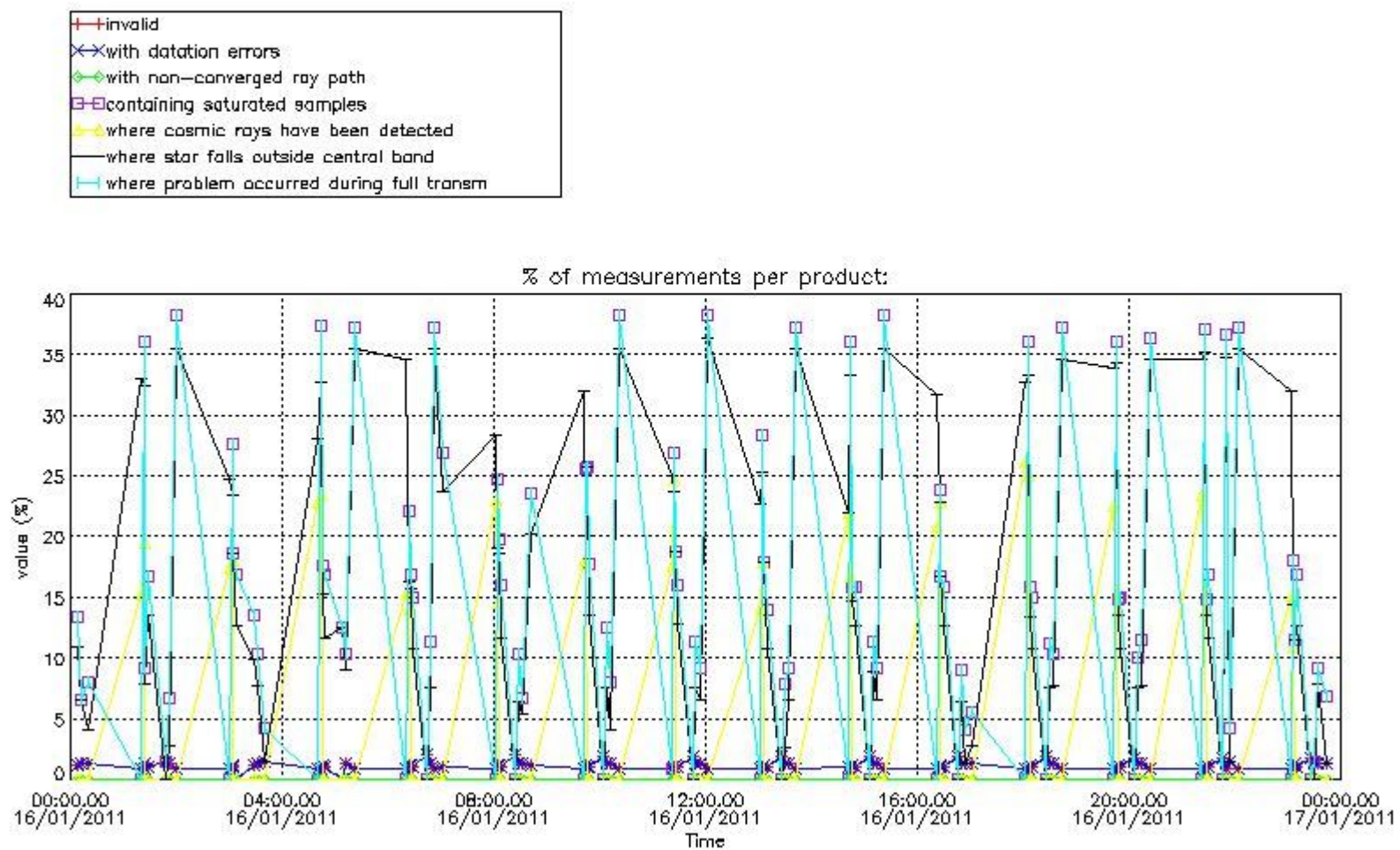
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

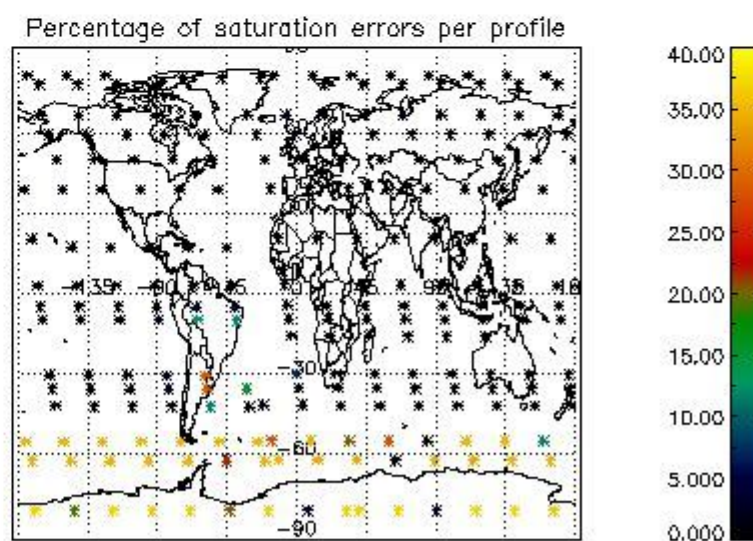
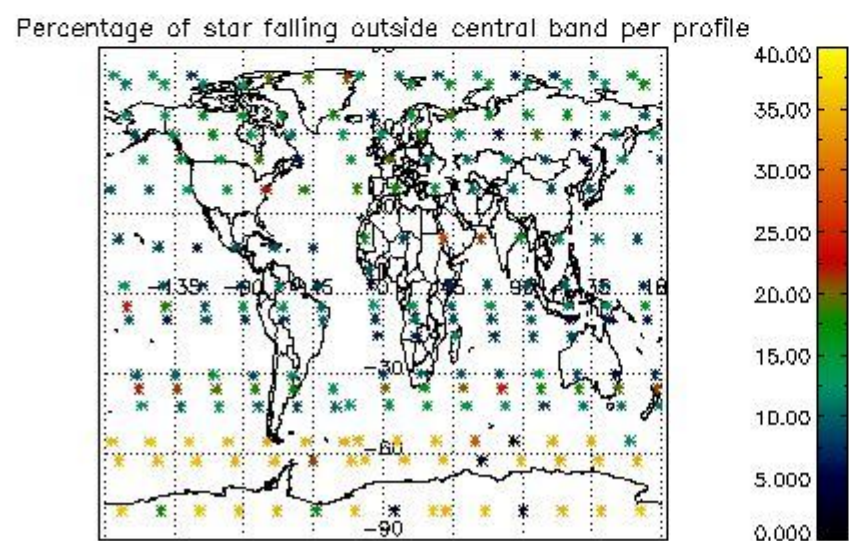
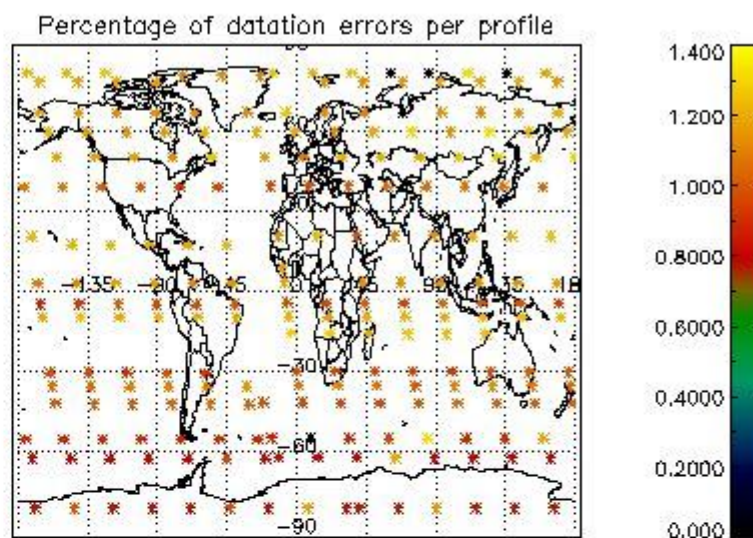
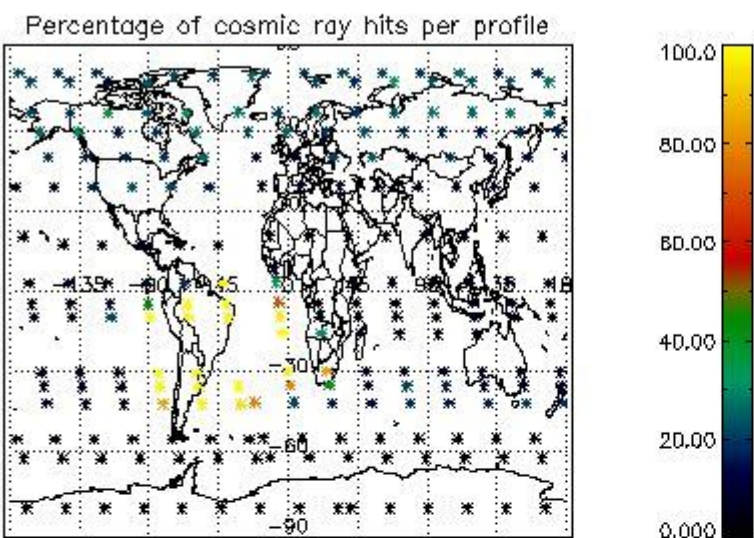
4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



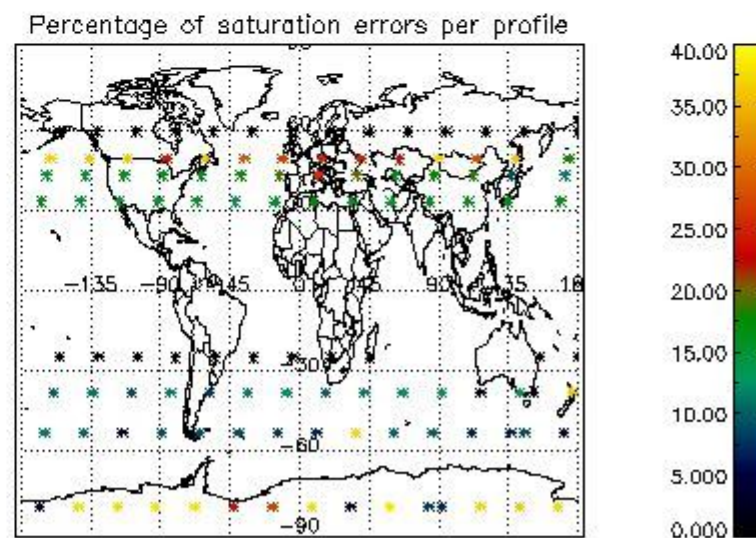
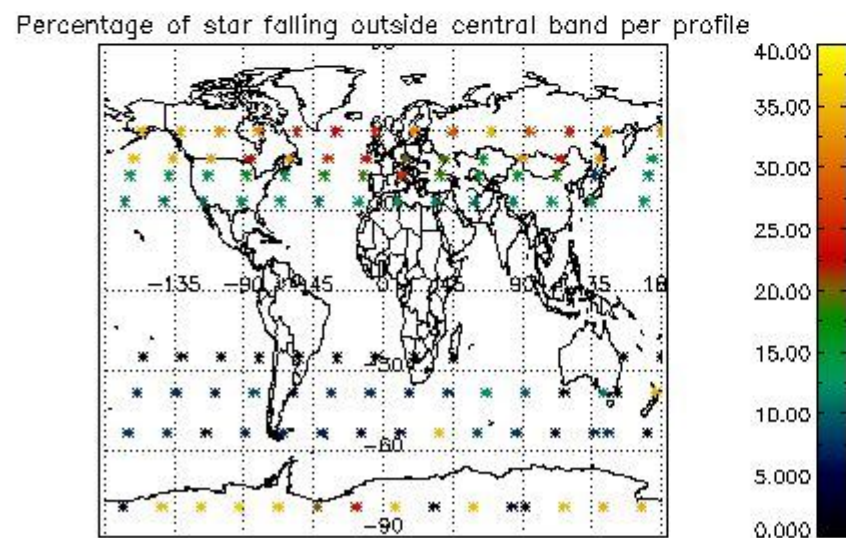
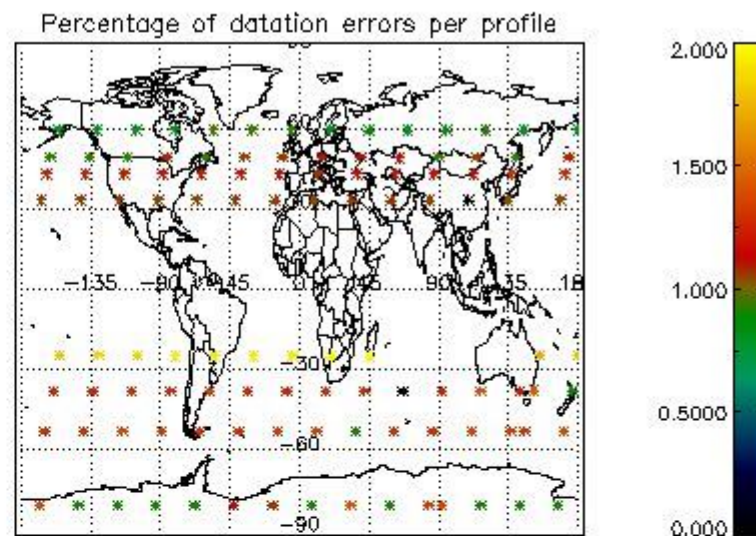
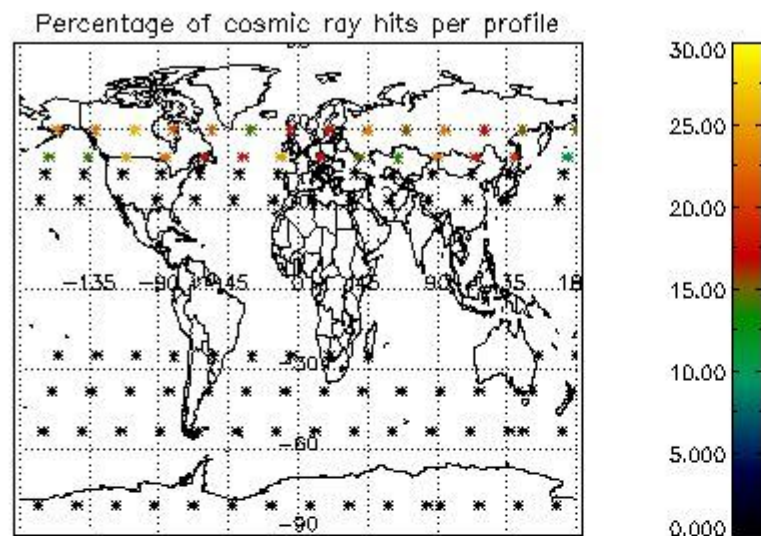
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



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



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

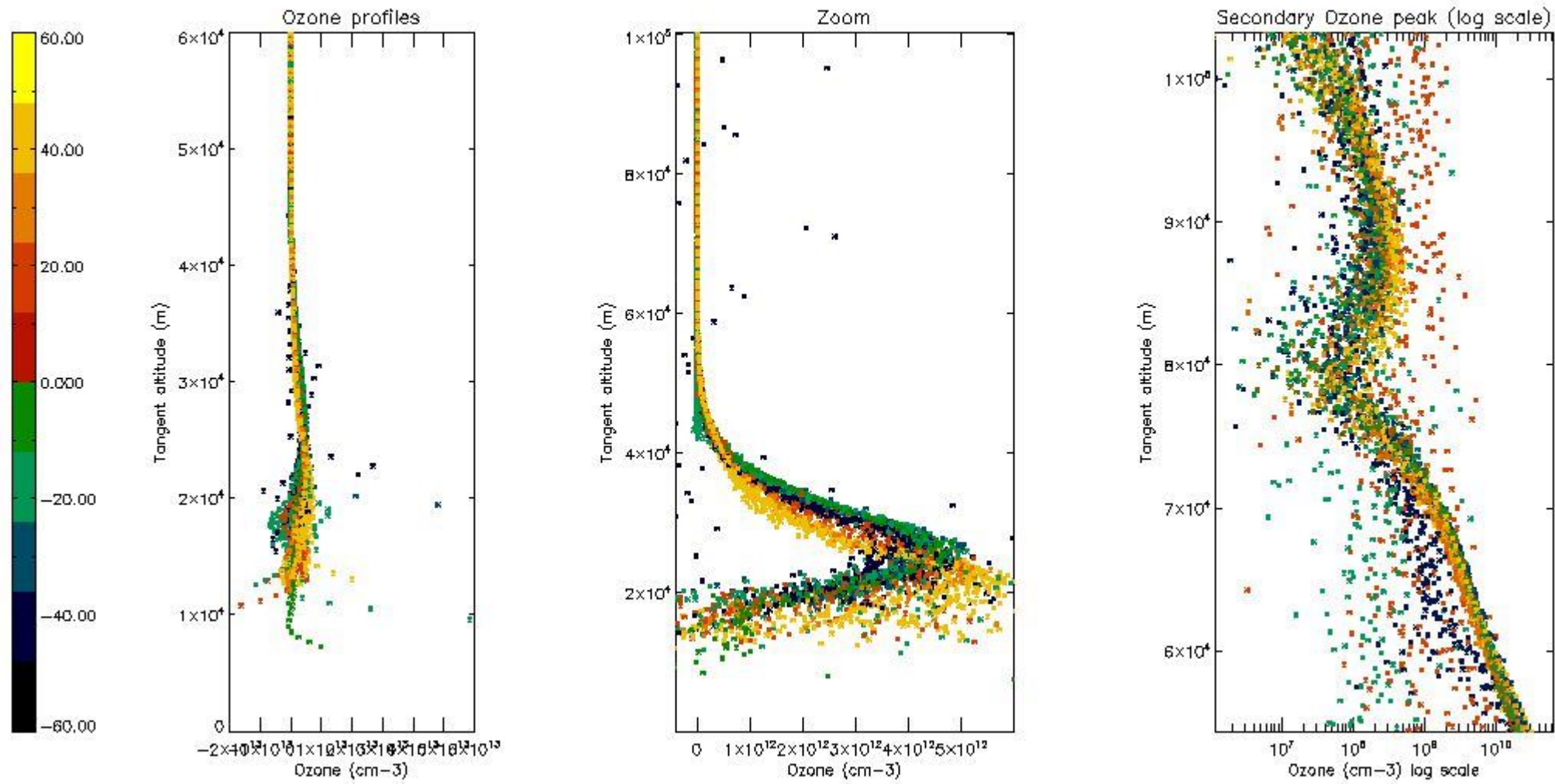
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	38
STD < 20	19

STD < 10	16
STD < 5	9

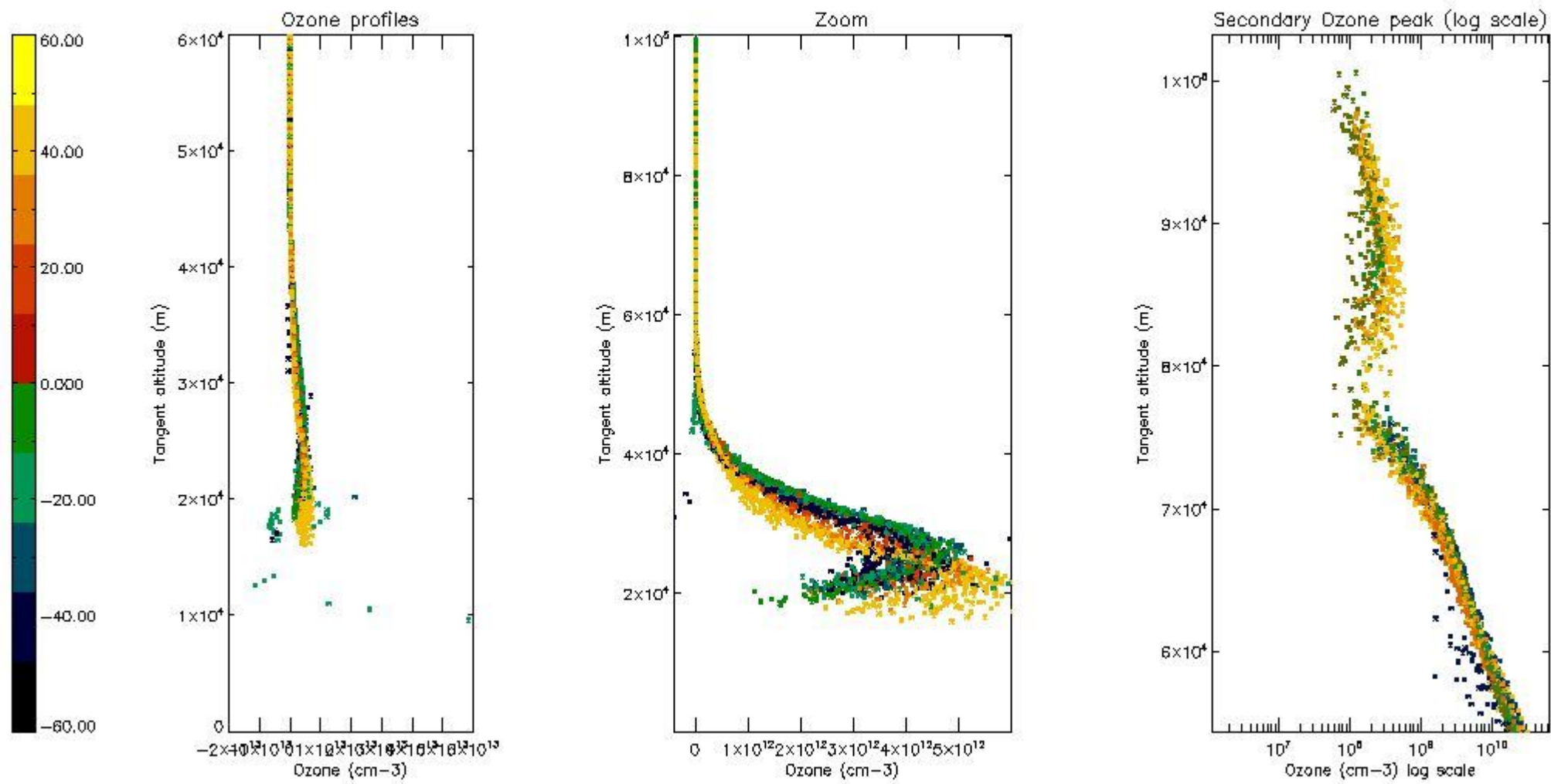
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



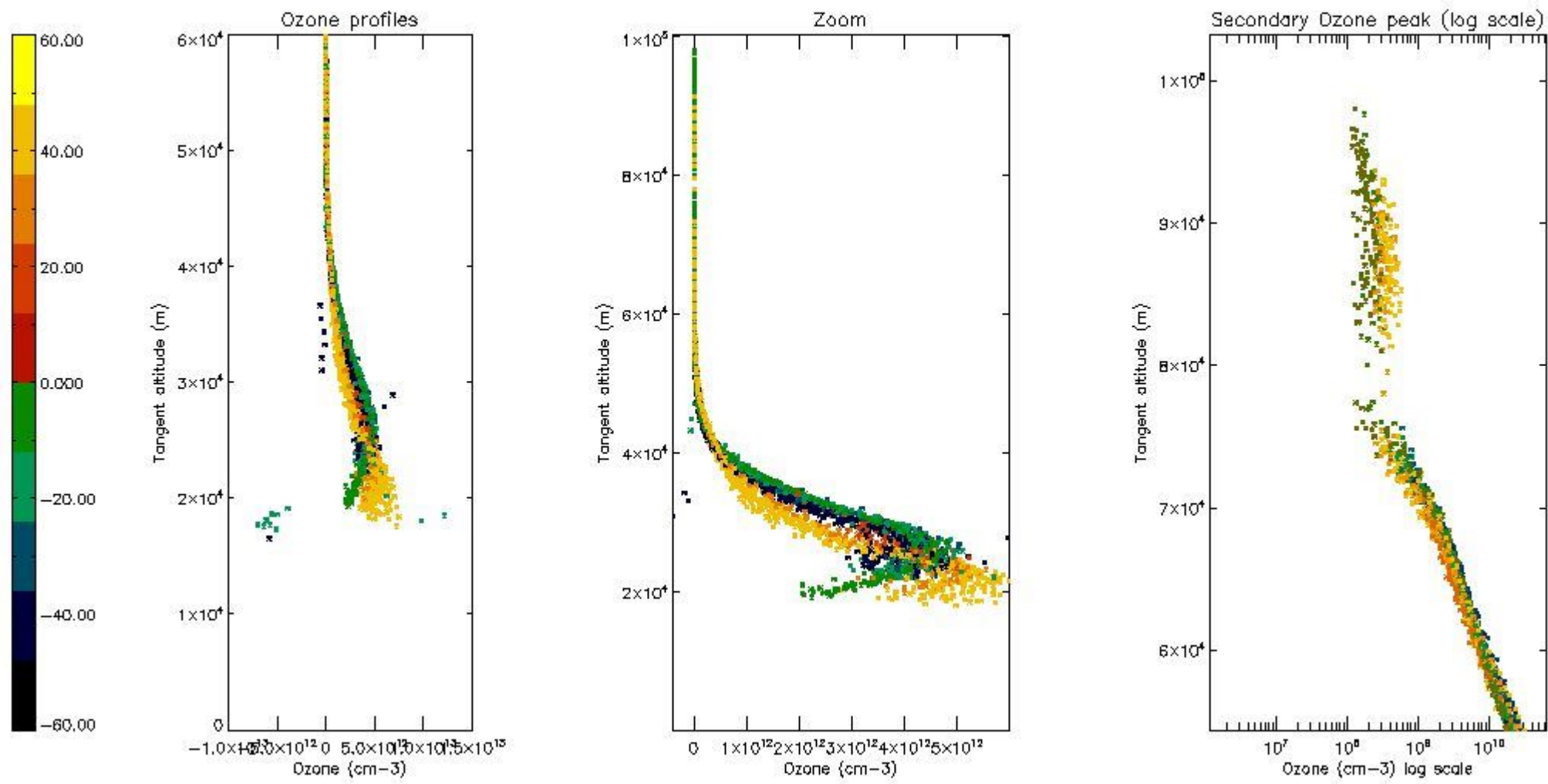
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



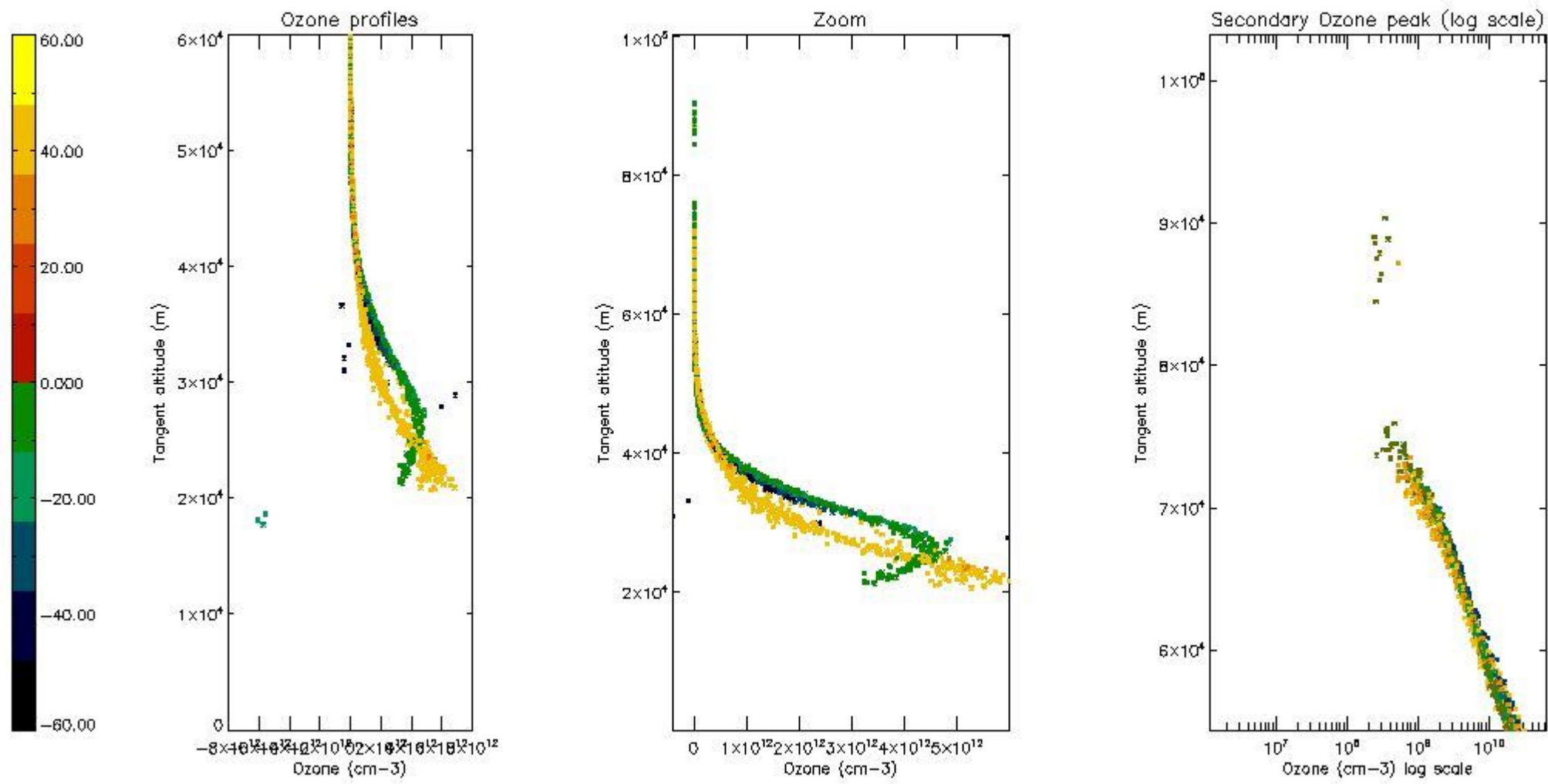
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



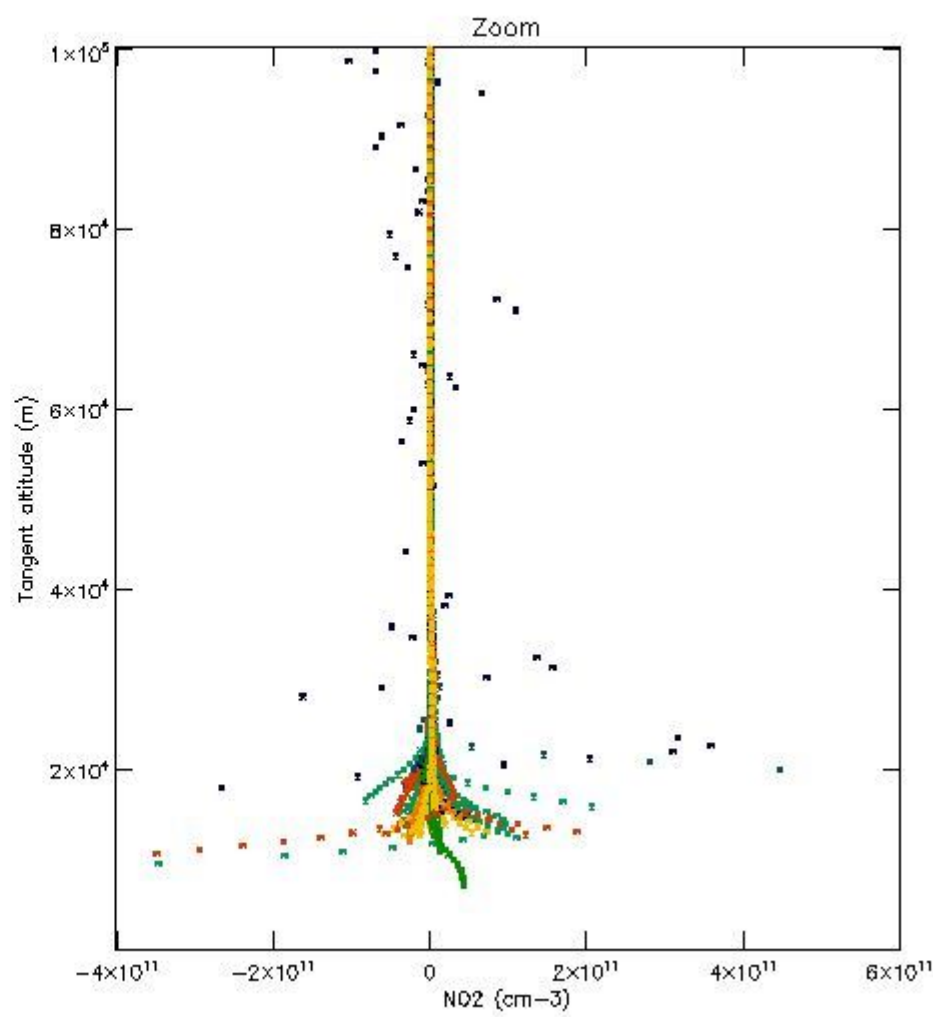
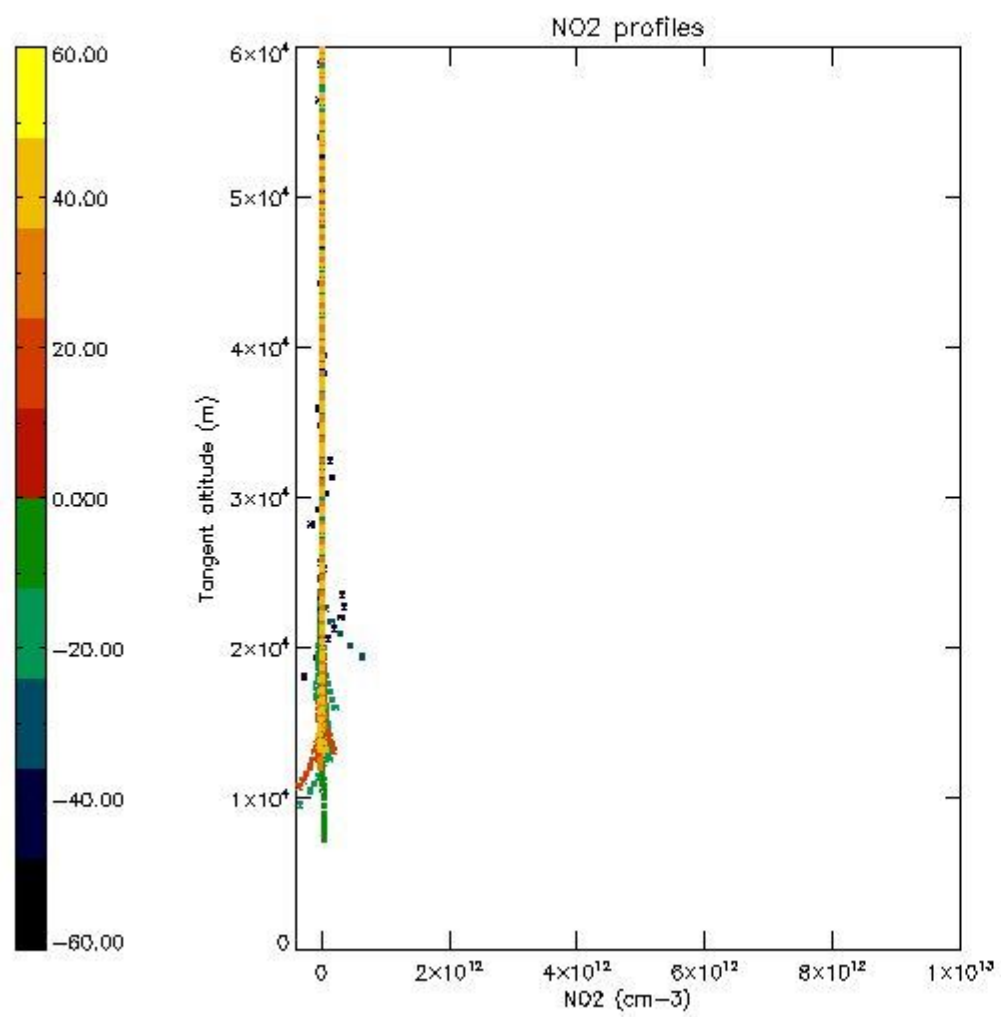
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



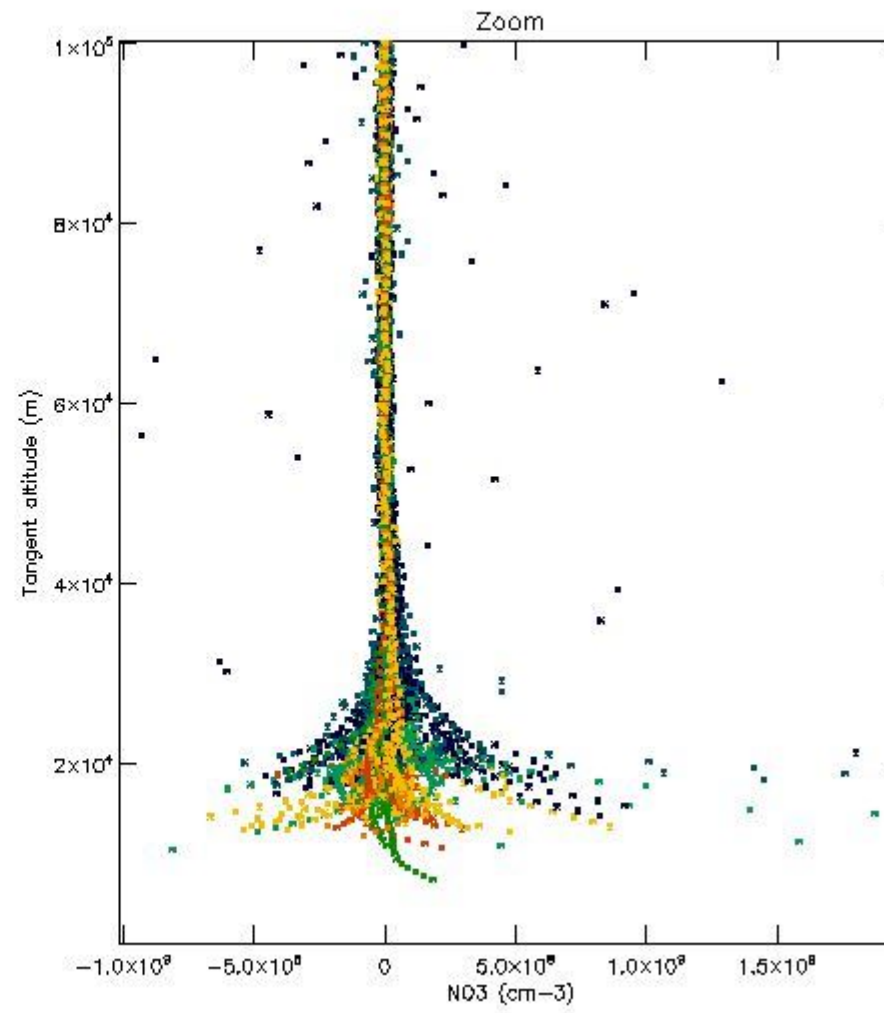
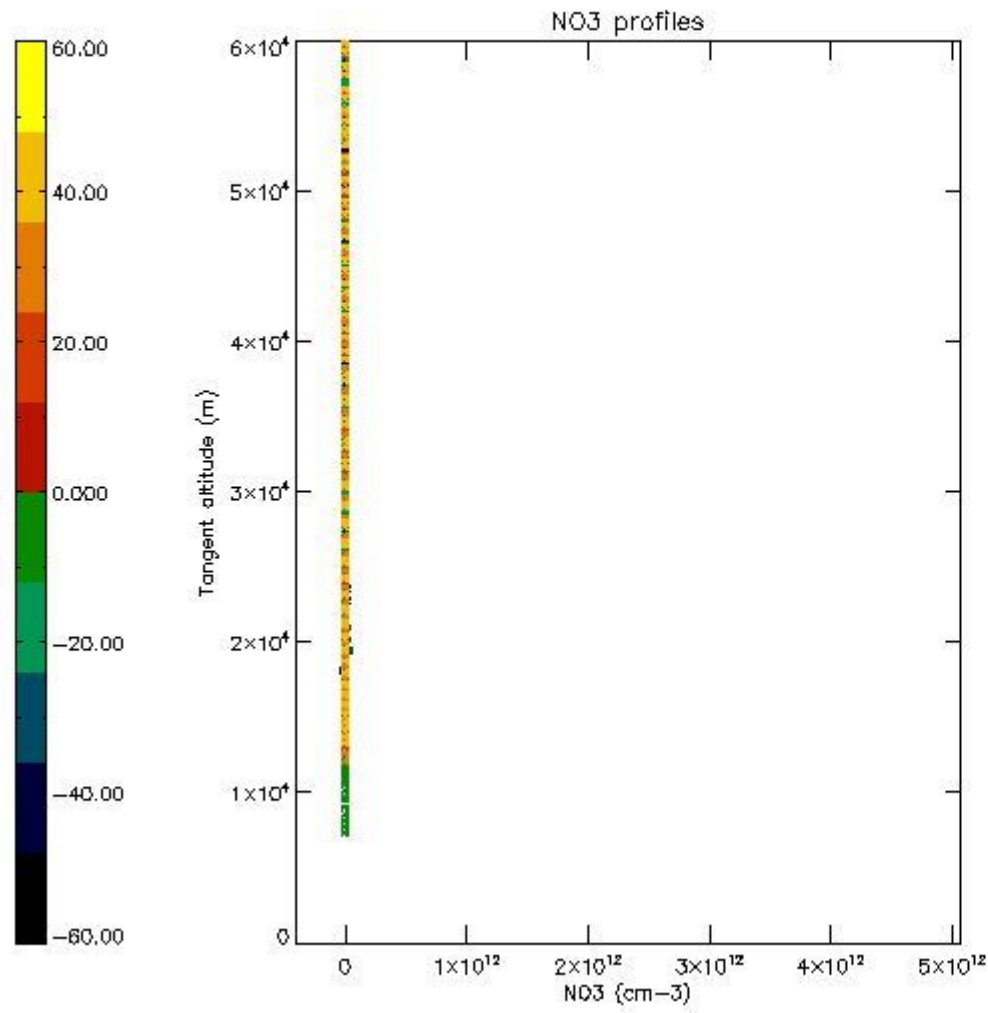
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	16-JAN-2011 00:07:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-JAN-2011 00:07:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-JAN-2011 00:07:14

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

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

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

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

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

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

Item	Value
Time of report generation	24APR2013 09:14:53
Data source version	GOMOS/6.01
Start time of products	16-01-2011 (16JAN2011 00:00:00)
Stop time of products	17-01-2011 (17JAN2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	342
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__2PRFIN20110116_000714_000000413098_00289_46424_8030.N1	16-JAN-2011 00:07:14	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46424	No
2	GOM_NL__2PRFIN20110116_001134_000000383098_00289_46424_8031.N1	16-JAN-2011 00:11:34	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46424	No
3	GOM_NL__2PRFIN20110116_002025_000000383098_00289_46424_8032.N1	16-JAN-2011 00:20:25	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	46424	No
4	GOM_NL__2PRFIN20110116_002239_000000643098_00289_46424_8033.N1	16-JAN-2011 00:22:39	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46424	No
5	GOM_NL__2PRFIN20110116_002904_000000633098_00289_46424_8034.N1	16-JAN-2011 00:29:04	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46424	No
6	GOM_NL__2PRFIN20110116_003111_000000573098_00289_46424_8035.N1	16-JAN-2011 00:31:11	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46424	No
7	GOM_NL__2PRFIN20110116_003454_000000493098_00289_46424_8036.N1	16-JAN-2011 00:34:54	Twilight	49.000	104	27Bet Lib	2.6140	13100.	98	46424	No
8	GOM_NL__2PRFIN20110116_003646_000000443098_00289_46424_8037.N1	16-JAN-2011 00:36:46	Twilight	43.500	80	7Del Sco	2.3160	30000.	87	46424	No
9	GOM_NL__2PRFIN20110116_004359_000000433098_00289_46424_8038.N1	16-JAN-2011 00:43:59	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46424	No
10	GOM_NL__2PRFIN20110116_004521_000000503098_00289_46424_8039.N1	16-JAN-2011 00:45:21	Dark	49.500	54	5The Cen	2.0550	4500.0	99	46424	No
11	GOM_NL__2PRFIN20110116_004733_000000443098_00290_46425_8031.N1	16-JAN-2011 00:47:33	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46425	No
12	GOM_NL__2PRFIN20110116_005135_000000413098_00290_46425_8032.N1	16-JAN-2011 00:51:35	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46425	No
13	GOM_NL__2PRFIN20110116_005737_000000523098_00290_46425_8033.N1	16-JAN-2011 00:57:37	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	46425	No
14	GOM_NL__2PRFIN20110116_010047_000000403098_00290_46425_8034.N1	16-JAN-2011 01:00:47	Dark	39.500	46	Del Vel	1.9540	10600.	79	46425	No
15	GOM_NL__2PRFIN20110116_010328_000000413098_00290_46425_8035.N1	16-JAN-2011 01:03:28	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	46425	No
16	GOM_NL__2PRFIN20110116_010536_000000443098_00290_46425_8036.N1	16-JAN-2011 01:05:36	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46425	No
17	GOM_NL__2PRFIN20110116_010922_000000433098_00290_46425_8037.N1	16-JAN-2011 01:09:22	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	46425	No
18	GOM_NL__2PRFIN20110116_011112_000000403098_00290_46425_8038.N1	16-JAN-2011 01:11:12	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46425	No
19	GOM_NL__2PRFIN20110116_012004_000000623098_00290_46425_8039.N1	16-JAN-2011 01:20:04	Twilight	62.000	8	10Alp CMi	0.40000	6500.0	124	46425	No
20	GOM_NL__2PRFIN20110116_012301_000000543098_00290_46425_8040.N1	16-JAN-2011 01:23:01	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46425	No
21	GOM_NL__2PRFIN20110116_012444_000000393098_00290_46425_8041.N1	16-JAN-2011 01:24:44	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	46425	No
22	GOM_NL__2PRFIN20110116_012733_000000483098_00290_46425_8042.N1	16-JAN-2011 01:27:33	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46425	No
23	GOM_NL__2PRFIN20110116_014728_000000363098_00290_46425_8043.N1	16-JAN-2011 01:47:28	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46425	No
24	GOM_NL__2PRFIN20110116_015148_000000373098_00290_46425_8044.N1	16-JAN-2011 01:51:48	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46425	No
25	GOM_NL__2PRFIN20110116_020040_000000553098_00290_46425_8045.N1	16-JAN-2011 02:00:40	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46425	No
26	GOM_NL__2PRFIN20110116_020253_000000433098_00290_46425_8046.N1	16-JAN-2011 02:02:53	Bright	42.500	67	5Alp CrB	2.2210	11000.	85	46425	No
27	GOM_NL__2PRFIN20110116_020918_000000533098_00290_46425_8047.N1	16-JAN-2011 02:09:18	Bright	52.500	102	24Alp Ser	2.6000	4250.0	105	46425	No
28	GOM_NL__2PRFIN20110116_021125_000000573098_00290_46425_8048.N1	16-JAN-2011 02:11:25	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46425	No
29	GOM_NL__2PRFIN20110116_021509_000000483098_00290_46425_8049.N1	16-JAN-2011 02:15:09	Twilight	48.000	104	27Bet Lib	2.6140	13100.	96	46425	No
30	GOM_NL__2PRFIN20110116_021701_000000463098_00290_46425_8050.N1	16-JAN-2011 02:17:01	Twilight	45.500	80	7Del Sco	2.3160	30000.	91	46425	No
31	GOM_NL__2PRFIN20110116_021826_000000543098_00290_46425_8051.N1	16-JAN-2011 02:18:26	Dark	54.000	122	9Alp2Lib	2.7470	9700.0	108	46425	No
32	GOM_NL__2PRFIN20110116_022414_000000423098_00290_46425_8052.N1	16-JAN-2011 02:24:14	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46425	No
33	GOM_NL__2PRFIN20110116_022536_000000523098_00290_46425_8053.N1	16-JAN-2011 02:25:36	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46425	No
34	GOM_NL__2PRFIN20110116_022748_000000453098_00291_46426_8042.N1	16-JAN-2011 02:27:48	Dark	45.000	95	Zet Cen	2.5450	26000.	90	46426	No
35	GOM_NL__2PRFIN20110116_023149_000000423098_00291_46426_8043.N1	16-JAN-2011 02:31:49	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46426	No
36	GOM_NL__2PRFIN20110116_023751_000000553098_00291_46426_8044.N1	16-JAN-2011 02:37:51	Dark	54.500	113	Mu Vel	2.6920	5000.0	109	46426	No
37	GOM_NL__2PRFIN20110116_024101_000000453098_00291_46426_8045.N1	16-JAN-2011 02:41:01	Dark	45.000	46	Del Vel	1.9540	10600.	90	46426	No
38	GOM_NL__2PRFIN20110116_024343_000000443098_00291_46426_8046.N1	16-JAN-2011 02:43:43	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46426	No
39	GOM_NL__2PRFIN20110116_024551_000000453098_00291_46426_8047.N1	16-JAN-2011 02:45:51	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46426	No
40	GOM_NL__2PRFIN20110116_024936_000000423098_00291_46426_8048.N1	16-JAN-2011 02:49:36	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46426	No
41	GOM_NL__2PRFIN20110116_025127_000000413098_00291_46426_8049.N1	16-JAN-2011 02:51:27	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	46426	No
42	GOM_NL__2PRFIN20110116_030018_000000553098_00291_46426_8050.N1	16-JAN-2011 03:00:18	Twilight	54.500	8	10Alp CMi	0.40000	6500.0	109	46426	No

43	GOM_NL__2PRFIN20110116_030315_000000473098_00291_46426_8051.N1	16-JAN-2011 03:03:15	Bright	47.000	44	24Gam Gem	1.9280	11000.	94	46426	No
44	GOM_NL__2PRFIN20110116_030458_000000433098_00291_46426_8052.N1	16-JAN-2011 03:04:58	Bright	43.000	151	13Mu Gem	2.8900	3000.0	86	46426	No
45	GOM_NL__2PRFIN20110116_030747_000000483098_00291_46426_8053.N1	16-JAN-2011 03:07:47	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46426	No
46	GOM_NL__2PRFIN20110116_032742_000000413098_00291_46426_8054.N1	16-JAN-2011 03:27:42	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46426	No
47	GOM_NL__2PRFIN20110116_033202_000000393098_00291_46426_8055.N1	16-JAN-2011 03:32:02	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46426	No
48	GOM_NL__2PRFIN20110116_034054_000000363098_00291_46426_8056.N1	16-JAN-2011 03:40:54	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	46426	No
49	GOM_NL__2PRFIN20110116_034307_000000643098_00291_46426_8057.N1	16-JAN-2011 03:43:07	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46426	No
50	GOM_NL__2PRFIN20110116_034933_000000633098_00291_46426_8058.N1	16-JAN-2011 03:49:33	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46426	No
51	GOM_NL__2PRFIN20110116_035140_000000573098_00291_46426_8059.N1	16-JAN-2011 03:51:40	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46426	No
52	GOM_NL__2PRFIN20110116_035524_000000493098_00291_46426_8060.N1	16-JAN-2011 03:55:24	Twi_and_stray	49.000	104	27Bet Lib	2.6140	13100.	98	46426	No
53	GOM_NL__2PRFIN20110116_035715_000000463098_00291_46426_8061.N1	16-JAN-2011 03:57:15	Twi_and_stray	46.000	80	7Del Sco	2.3160	30000.	92	46426	No
54	GOM_NL__2PRFIN20110116_035841_000000513098_00291_46426_8062.N1	16-JAN-2011 03:58:41	Dark	51.000	122	9Alp2Lib	2.7470	9700.0	102	46426	No
55	GOM_NL__2PRFIN20110116_040429_000000413098_00291_46426_8063.N1	16-JAN-2011 04:04:29	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46426	No
56	GOM_NL__2PRFIN20110116_040552_000000523098_00291_46426_8064.N1	16-JAN-2011 04:05:52	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46426	No
57	GOM_NL__2PRFIN20110116_040803_000000433098_00292_46427_8052.N1	16-JAN-2011 04:08:03	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46427	No
58	GOM_NL__2PRFIN20110116_041204_000000423098_00292_46427_8053.N1	16-JAN-2011 04:12:04	Dark	41.500	20	Bet Cru	1.2530	30000.	83	46427	No
59	GOM_NL__2PRFIN20110116_041806_000000513098_00292_46427_8054.N1	16-JAN-2011 04:18:06	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46427	No
60	GOM_NL__2PRFIN20110116_042116_000000433098_00292_46427_8055.N1	16-JAN-2011 04:21:16	Dark	43.000	46	Del Vel	1.9540	10600.	86	46427	No
61	GOM_NL__2PRFIN20110116_042357_000000443098_00292_46427_8056.N1	16-JAN-2011 04:23:57	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	46427	No
62	GOM_NL__2PRFIN20110116_042605_000000453098_00292_46427_8057.N1	16-JAN-2011 04:26:05	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46427	No
63	GOM_NL__2PRFIN20110116_042951_000000433098_00292_46427_8058.N1	16-JAN-2011 04:29:51	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	46427	No
64	GOM_NL__2PRFIN20110116_043141_000000413098_00292_46427_8059.N1	16-JAN-2011 04:31:41	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	46427	No
65	GOM_NL__2PRFIN20110116_044032_000000573098_00292_46427_8060.N1	16-JAN-2011 04:40:32	Twi_and_stray	57.000	8	10Alp CMi	0.40000	6500.0	114	46427	No
66	GOM_NL__2PRFIN20110116_044329_000000543098_00292_46427_8061.N1	16-JAN-2011 04:43:29	Bright	53.500	44	24Gam Gem	1.9280	11000.	107	46427	No
67	GOM_NL__2PRFIN20110116_044512_000000433098_00292_46427_8062.N1	16-JAN-2011 04:45:12	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	46427	No
68	GOM_NL__2PRFIN20110116_044800_000000483098_00292_46427_8063.N1	16-JAN-2011 04:48:00	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46427	No
69	GOM_NL__2PRFIN20110116_050756_000000403098_00292_46427_8064.N1	16-JAN-2011 05:07:56	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46427	No
70	GOM_NL__2PRFIN20110116_051216_000000393098_00292_46427_8065.N1	16-JAN-2011 05:12:16	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46427	No
71	GOM_NL__2PRFIN20110116_052108_000000553098_00292_46427_8066.N1	16-JAN-2011 05:21:08	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46427	No
72	GOM_NL__2PRFIN20110116_052322_000000523098_00292_46427_8067.N1	16-JAN-2011 05:23:22	Bright	51.500	67	5Alp CrB	2.2210	11000.	103	46427	No
73	GOM_NL__2PRFIN20110116_052947_000000633098_00292_46427_8068.N1	16-JAN-2011 05:29:47	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46427	No
74	GOM_NL__2PRFIN20110116_053154_000000573098_00292_46427_8069.N1	16-JAN-2011 05:31:54	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46427	No
75	GOM_NL__2PRFIN20110116_053539_000000513098_00292_46427_8070.N1	16-JAN-2011 05:35:39	Twi_and_stray	50.500	104	27Bet Lib	2.6140	13100.	101	46427	No
76	GOM_NL__2PRFIN20110116_053730_000000463098_00292_46427_8071.N1	16-JAN-2011 05:37:30	Twi_and_stray	46.000	80	7Del Sco	2.3160	30000.	92	46427	No
77	GOM_NL__2PRFIN20110116_053857_000000553098_00292_46427_8072.N1	16-JAN-2011 05:38:57	Dark	55.000	122	9Alp2Lib	2.7470	9700.0	110	46427	No
78	GOM_NL__2PRFIN20110116_054444_000000423098_00292_46427_8073.N1	16-JAN-2011 05:44:44	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46427	No
79	GOM_NL__2PRFIN20110116_054607_000000493098_00292_46427_8074.N1	16-JAN-2011 05:46:07	Dark	49.000	54	5The Cen	2.0550	4500.0	98	46427	No
80	GOM_NL__2PRFIN20110116_054817_000000433098_00293_46428_8061.N1	16-JAN-2011 05:48:17	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46428	No
81	GOM_NL__2PRFIN20110116_055219_000000413098_00293_46428_8062.N1	16-JAN-2011 05:52:19	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46428	No
82	GOM_NL__2PRFIN20110116_055821_000000493098_00293_46428_8063.N1	16-JAN-2011 05:58:21	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	46428	No
83	GOM_NL__2PRFIN20110116_060130_000000433098_00293_46428_8064.N1	16-JAN-2011 06:01:30	Dark	43.000	46	Del Vel	1.9540	10600.	86	46428	No
84	GOM_NL__2PRFIN20110116_060412_000000433098_00293_46428_8065.N1	16-JAN-2011 06:04:12	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	46428	No
85	GOM_NL__2PRFIN20110116_060620_000000443098_00293_46428_8066.N1	16-JAN-2011 06:06:20	Dark	43.500	70	Zet Pup	2.2460	39000.	87	46428	No
86	GOM_NL__2PRFIN20110116_061005_000000413098_00293_46428_8067.N1	16-JAN-2011 06:10:05	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	46428	No
87	GOM_NL__2PRFIN20110116_061155_000000423098_00293_46428_8068.N1	16-JAN-2011 06:11:55	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46428	No
88	GOM_NL__2PRFIN20110116_062046_000000623098_00293_46428_8069.N1	16-JAN-2011 06:20:46	Twi_and_stray	62.000	8	10Alp CMi	0.40000	6500.0	124	46428	No
89	GOM_NL__2PRFIN20110116_062343_000000433098_00293_46428_8070.N1	16-JAN-2011 06:23:43	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	46428	No
90	GOM_NL__2PRFIN20110116_062526_000000423098_00293_46428_8071.N1	16-JAN-2011 06:25:26	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	46428	No
91	GOM_NL__2PRFIN20110116_062814_000000473098_00293_46428_8072.N1	16-JAN-2011 06:28:14	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46428	No
92	GOM_NL__2PRFIN20110116_064432_000000253098_00293_46428_8073.N1	16-JAN-2011 06:44:32	Twi_and_stray	25.000	36	50Alp UMa	1.8000	6300.0	50	46428	No
93	GOM_NL__2PRFIN20110116_064810_000000403098_00293_46428_8074.N1	16-JAN-2011 06:48:10	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46428	No
94	GOM_NL__2PRFIN20110116_065230_000000553098_00293_46428_8075.N1	16-JAN-2011 06:52:30	Bright	55.000	119	14Eta Dra	2.7270	4700.0	110	46428	No
95	GOM_NL__2PRFIN20110116_070122_000000473098_00293_46428_8076.N1	16-JAN-2011 07:01:22	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	46428	No
96	GOM_NL__2PRFIN20110116_070336_000000643098_00293_46428_8077.N1	16-JAN-2011 07:03:36	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46428	No
97	GOM_NL__2PRFIN20110116_071002_000000633098_00293_46428_8078.N1	16-JAN-2011 07:10:02	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46428	No
98	GOM_NL__2PRFIN20110116_071209_000000573098_00293_46428_8079.N1	16-JAN-2011 07:12:09	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46428	No
99	GOM_NL__2PRFIN20110116_071554_000000493098_00293_46428_8080.N1	16-JAN-2011 07:15:54	Twi_and_stray	49.000	104	27Bet Lib	2.6140	13100.	98	46428	No
100	GOM_NL__2PRFIN20110116_071745_000000483098_00293_46428_8081.N1	16-JAN-2011 07:17:45	Twi_and_stray	47.500	80	7Del Sco	2.3160	30000.	95	46428	No
101	GOM_NL__2PRFIN20110116_071912_000000523098_00293_46428_8082.N1	16-JAN-2011 07:19:12	Dark	52.000	122	9Alp2Lib	2.7470	9700.0	104	46428	No

102	GOM_NL__2PRFIN20110116_072459_000000403098_00293_46428_8083.N1	16-JAN-2011 07:24:59	Dark	40.000	109	Bet Lup	2.6770	26000.	80	46428	No
103	GOM_NL__2PRFIN20110116_072622_000000553098_00293_46428_8084.N1	16-JAN-2011 07:26:22	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46428	No
104	GOM_NL__2PRFIN20110116_072832_000000453098_00294_46429_8111.N1	16-JAN-2011 07:28:32	Dark	44.500	95	Zet Cen	2.5450	26000.	89	46429	No
105	GOM_NL__2PRFIN20110116_073234_000000413098_00294_46429_8112.N1	16-JAN-2011 07:32:34	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46429	No
106	GOM_NL__2PRFIN20110116_073836_000000473098_00294_46429_8113.N1	16-JAN-2011 07:38:36	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46429	No
107	GOM_NL__2PRFIN20110116_074145_000000433098_00294_46429_8114.N1	16-JAN-2011 07:41:45	Dark	42.500	46	Del Vel	1.9540	10600.	85	46429	No
108	GOM_NL__2PRFIN20110116_074426_000000413098_00294_46429_8115.N1	16-JAN-2011 07:44:26	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	46429	No
109	GOM_NL__2PRFIN20110116_074634_000000423098_00294_46429_8116.N1	16-JAN-2011 07:46:34	Dark	42.000	70	Zet Pup	2.2460	39000.	84	46429	No
110	GOM_NL__2PRFIN20110116_075019_000000443098_00294_46429_8117.N1	16-JAN-2011 07:50:19	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46429	No
111	GOM_NL__2PRFIN20110116_075209_000000393098_00294_46429_8118.N1	16-JAN-2011 07:52:09	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	46429	No
112	GOM_NL__2PRFIN20110116_080100_000000573098_00294_46429_8119.N1	16-JAN-2011 08:01:00	Tw_i_and_stray	56.500	8	10Alp CMi	0.40000	6500.0	113	46429	No
113	GOM_NL__2PRFIN20110116_080357_000000453098_00294_46429_8120.N1	16-JAN-2011 08:03:57	Bright	44.500	44	24Gam Gem	1.9280	11000.	89	46429	No
114	GOM_NL__2PRFIN20110116_080540_000000433098_00294_46429_8121.N1	16-JAN-2011 08:05:40	Bright	43.000	151	13Mu Gem	2.8900	3000.0	86	46429	No
115	GOM_NL__2PRFIN20110116_080828_000000473098_00294_46429_8122.N1	16-JAN-2011 08:08:28	Bright	47.000	17	78Bet Gem	1.1610	4500.0	94	46429	No
116	GOM_NL__2PRFIN20110116_082445_000000253098_00294_46429_8123.N1	16-JAN-2011 08:24:45	Tw_i_and_stray	25.000	36	50Alp UMa	1.8000	6300.0	50	46429	No
117	GOM_NL__2PRFIN20110116_082824_000000393098_00294_46429_8124.N1	16-JAN-2011 08:28:24	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46429	No
118	GOM_NL__2PRFIN20110116_083244_000000373098_00294_46429_8125.N1	16-JAN-2011 08:32:44	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46429	No
119	GOM_NL__2PRFIN20110116_084137_000000453098_00294_46429_8126.N1	16-JAN-2011 08:41:37	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	46429	No
120	GOM_NL__2PRFIN20110116_084350_000000643098_00294_46429_8127.N1	16-JAN-2011 08:43:50	Bright	64.000	67	5Alp CrB	2.2210	11000.	128	46429	No
121	GOM_NL__2PRFIN20110116_085016_000000633098_00294_46429_8128.N1	16-JAN-2011 08:50:16	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46429	No
122	GOM_NL__2PRFIN20110116_085223_000000573098_00294_46429_8129.N1	16-JAN-2011 08:52:23	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46429	No
123	GOM_NL__2PRFIN20110116_085608_000000513098_00294_46429_8130.N1	16-JAN-2011 08:56:08	Tw_i_and_stray	50.500	104	27Bet Lib	2.6140	13100.	101	46429	No
124	GOM_NL__2PRFIN20110116_085759_000000483098_00294_46429_8131.N1	16-JAN-2011 08:57:59	Tw_i_and_stray	47.500	80	7Del Sco	2.3160	30000.	95	46429	No
125	GOM_NL__2PRFIN20110116_085927_000000523098_00294_46429_8132.N1	16-JAN-2011 08:59:27	Dark	51.500	122	9Alp2Lib	2.7470	9700.0	103	46429	No
126	GOM_NL__2PRFIN20110116_090513_000000423098_00294_46429_8133.N1	16-JAN-2011 09:05:13	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46429	No
127	GOM_NL__2PRFIN20110116_090637_000000583098_00294_46429_8134.N1	16-JAN-2011 09:06:37	Dark	58.000	54	5The Cen	2.0550	4500.0	116	46429	No
128	GOM_NL__2PRFIN20110116_090847_000000463098_00295_46430_8124.N1	16-JAN-2011 09:08:47	Dark	46.000	95	Zet Cen	2.5450	26000.	92	46430	No
129	GOM_NL__2PRFIN20110116_091339_000000413098_00295_46430_8125.N1	16-JAN-2011 09:13:39	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	46430	No
130	GOM_NL__2PRFIN20110116_091851_000000473098_00295_46430_8126.N1	16-JAN-2011 09:18:51	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46430	No
131	GOM_NL__2PRFIN20110116_092159_000000393098_00295_46430_8127.N1	16-JAN-2011 09:21:59	Dark	39.000	46	Del Vel	1.9540	10600.	78	46430	No
132	GOM_NL__2PRFIN20110116_092441_000000423098_00295_46430_8128.N1	16-JAN-2011 09:24:41	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	46430	No
133	GOM_NL__2PRFIN20110116_092648_000000423098_00295_46430_8129.N1	16-JAN-2011 09:26:48	Dark	41.500	70	Zet Pup	2.2460	39000.	83	46430	No
134	GOM_NL__2PRFIN20110116_093033_000000423098_00295_46430_8130.N1	16-JAN-2011 09:30:33	Straylight	41.500	88	31Eta CMa	2.4480	20000.	83	46430	No
135	GOM_NL__2PRFIN20110116_093224_000000383098_00295_46430_8131.N1	16-JAN-2011 09:32:24	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	46430	No
136	GOM_NL__2PRFIN20110116_094114_000000613098_00295_46430_8132.N1	16-JAN-2011 09:41:14	Tw_i_and_stray	61.000	8	10Alp CMi	0.40000	6500.0	122	46430	No
137	GOM_NL__2PRFIN20110116_094411_000000453098_00295_46430_8133.N1	16-JAN-2011 09:44:11	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	46430	No
138	GOM_NL__2PRFIN20110116_094554_000000473098_00295_46430_8134.N1	16-JAN-2011 09:45:54	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	46430	No
139	GOM_NL__2PRFIN20110116_094841_000000483098_00295_46430_8135.N1	16-JAN-2011 09:48:41	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46430	No
140	GOM_NL__2PRFIN20110116_100458_000000263098_00295_46430_8136.N1	16-JAN-2011 10:04:58	Tw_i_and_stray	26.000	36	50Alp UMa	1.8000	6300.0	52	46430	No
141	GOM_NL__2PRFIN20110116_100838_000000403098_00295_46430_8137.N1	16-JAN-2011 10:08:38	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46430	No
142	GOM_NL__2PRFIN20110116_101258_000000383098_00295_46430_8138.N1	16-JAN-2011 10:12:58	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	46430	No
143	GOM_NL__2PRFIN20110116_102151_000000553098_00295_46430_8139.N1	16-JAN-2011 10:21:51	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46430	No
144	GOM_NL__2PRFIN20110116_102404_000000653098_00295_46430_8140.N1	16-JAN-2011 10:24:04	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46430	No
145	GOM_NL__2PRFIN20110116_103031_000000633098_00295_46430_8141.N1	16-JAN-2011 10:30:31	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46430	No
146	GOM_NL__2PRFIN20110116_103238_000000573098_00295_46430_8142.N1	16-JAN-2011 10:32:38	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46430	No
147	GOM_NL__2PRFIN20110116_103623_000000503098_00295_46430_8143.N1	16-JAN-2011 10:36:23	Tw_i_and_stray	49.500	104	27Bet Lib	2.6140	13100.	99	46430	No
148	GOM_NL__2PRFIN20110116_103814_000000483098_00295_46430_8144.N1	16-JAN-2011 10:38:14	Tw_i_and_stray	47.500	80	7Del Sco	2.3160	30000.	95	46430	No
149	GOM_NL__2PRFIN20110116_103942_000000503098_00295_46430_8145.N1	16-JAN-2011 10:39:42	Dark	50.000	122	9Alp2Lib	2.7470	9700.0	100	46430	No
150	GOM_NL__2PRFIN20110116_104528_000000413098_00295_46430_8146.N1	16-JAN-2011 10:45:28	Dark	40.500	109	Bet Lup	2.6770	26000.	81	46430	No
151	GOM_NL__2PRFIN20110116_104652_000000543098_00295_46430_8147.N1	16-JAN-2011 10:46:52	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46430	No
152	GOM_NL__2PRFIN20110116_104902_000000433098_00296_46431_8149.N1	16-JAN-2011 10:49:02	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46431	No
153	GOM_NL__2PRFIN20110116_105353_000000403098_00296_46431_8150.N1	16-JAN-2011 10:53:53	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	46431	No
154	GOM_NL__2PRFIN20110116_105906_000000493098_00296_46431_8151.N1	16-JAN-2011 10:59:06	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46431	No
155	GOM_NL__2PRFIN20110116_110213_000000413098_00296_46431_8152.N1	16-JAN-2011 11:02:13	Dark	41.000	46	Del Vel	1.9540	10600.	82	46431	No
156	GOM_NL__2PRFIN20110116_110455_000000413098_00296_46431_8153.N1	16-JAN-2011 11:04:55	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	46431	No
157	GOM_NL__2PRFIN20110116_110703_000000443098_00296_46431_8154.N1	16-JAN-2011 11:07:03	Dark	43.500	70	Zet Pup	2.2460	39000.	87	46431	No
158	GOM_NL__2PRFIN20110116_111048_000000423098_00296_46431_8155.N1	16-JAN-2011 11:10:48	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46431	No
159	GOM_NL__2PRFIN20110116_111238_000000383098_00296_46431_8156.N1	16-JAN-2011 11:12:38	Straylight	37.500	179	24Omi2CMa	3.0320	24000.	75	46431	No
160	GOM_NL__2PRFIN20110116_112128_000000543098_00296_46431_8157.N1	16-JAN-2011 11:21:28	Tw_i_and_stray	54.000	8	10Alp CMi	0.40000	6500.0	108	46431	No

161	GOM_NL__2PRFIN20110116_112425_00000473098_00296_46431_8158.N1	16-JAN-2011 11:24:25	Bright	46.500	44	24Gam Gem	1.9280	11000.	93	46431	No
162	GOM_NL__2PRFIN20110116_112608_00000433098_00296_46431_8159.N1	16-JAN-2011 11:26:08	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	46431	No
163	GOM_NL__2PRFIN20110116_112855_00000473098_00296_46431_8160.N1	16-JAN-2011 11:28:55	Bright	47.000	17	78Bet Gem	1.1610	4500.0	94	46431	No
164	GOM_NL__2PRFIN20110116_114512_00000263098_00296_46431_8161.N1	16-JAN-2011 11:45:12	Twi_and_stray	26.000	36	50Alp UMa	1.8000	6300.0	52	46431	No
165	GOM_NL__2PRFIN20110116_114852_00000403098_00296_46431_8162.N1	16-JAN-2011 11:48:52	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46431	No
166	GOM_NL__2PRFIN20110116_115312_00000393098_00296_46431_8163.N1	16-JAN-2011 11:53:12	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46431	No
167	GOM_NL__2PRFIN20110116_120205_00000553098_00296_46431_8164.N1	16-JAN-2011 12:02:05	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46431	No
168	GOM_NL__2PRFIN20110116_120419_00000513098_00296_46431_8165.N1	16-JAN-2011 12:04:19	Bright	50.500	67	5Alp CrB	2.2210	11000.	101	46431	No
169	GOM_NL__2PRFIN20110116_121045_00000633098_00296_46431_8166.N1	16-JAN-2011 12:10:45	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46431	No
170	GOM_NL__2PRFIN20110116_121252_00000423098_00296_46431_8167.N1	16-JAN-2011 12:12:52	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	46431	No
171	GOM_NL__2PRFIN20110116_121638_00000503098_00296_46431_8168.N1	16-JAN-2011 12:16:38	Twi_and_stray	49.500	104	27Bet Lib	2.6140	13100.	99	46431	No
172	GOM_NL__2PRFIN20110116_121828_00000473098_00296_46431_8169.N1	16-JAN-2011 12:18:28	Twi_and_stray	46.500	80	7Del Sco	2.3160	30000.	93	46431	No
173	GOM_NL__2PRFIN20110116_121957_00000493098_00296_46431_8170.N1	16-JAN-2011 12:19:57	Dark	49.000	122	9Alp2Lib	2.7470	9700.0	98	46431	No
174	GOM_NL__2PRFIN20110116_122543_00000403098_00296_46431_8171.N1	16-JAN-2011 12:25:43	Dark	40.000	109	Bet Lup	2.6770	26000.	80	46431	No
175	GOM_NL__2PRFIN20110116_122707_00000513098_00296_46431_8172.N1	16-JAN-2011 12:27:07	Dark	50.500	54	5The Cen	2.0550	4500.0	101	46431	No
176	GOM_NL__2PRFIN20110116_122917_00000443098_00297_46432_8185.N1	16-JAN-2011 12:29:17	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46432	No
177	GOM_NL__2PRFIN20110116_123407_00000423098_00297_46432_8186.N1	16-JAN-2011 12:34:07	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46432	No
178	GOM_NL__2PRFIN20110116_123920_00000473098_00297_46432_8187.N1	16-JAN-2011 12:39:20	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46432	No
179	GOM_NL__2PRFIN20110116_124228_00000393098_00297_46432_8188.N1	16-JAN-2011 12:42:28	Dark	39.000	46	Del Vel	1.9540	10600.	78	46432	No
180	GOM_NL__2PRFIN20110116_124509_00000383098_00297_46432_8189.N1	16-JAN-2011 12:45:09	Dark	38.000	34	Gam2Vel	1.7930	23000.	76	46432	No
181	GOM_NL__2PRFIN20110116_124717_00000453098_00297_46432_8190.N1	16-JAN-2011 12:47:17	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46432	No
182	GOM_NL__2PRFIN20110116_125102_00000423098_00297_46432_8191.N1	16-JAN-2011 12:51:02	Straylight	41.500	88	31Eta CMa	2.4480	20000.	83	46432	No
183	GOM_NL__2PRFIN20110116_125252_00000403098_00297_46432_8192.N1	16-JAN-2011 12:52:52	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	46432	No
184	GOM_NL__2PRFIN20110116_130141_00000533098_00297_46432_8193.N1	16-JAN-2011 13:01:41	Twi_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46432	No
185	GOM_NL__2PRFIN20110116_130439_00000483098_00297_46432_8194.N1	16-JAN-2011 13:04:39	Bright	47.500	44	24Gam Gem	1.9280	11000.	95	46432	No
186	GOM_NL__2PRFIN20110116_130622_00000423098_00297_46432_8195.N1	16-JAN-2011 13:06:22	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	46432	No
187	GOM_NL__2PRFIN20110116_130908_00000473098_00297_46432_8196.N1	16-JAN-2011 13:09:08	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46432	No
188	GOM_NL__2PRFIN20110116_132525_00000263098_00297_46432_8197.N1	16-JAN-2011 13:25:25	Twi_and_stray	26.000	36	50Alp UMa	1.8000	6300.0	52	46432	No
189	GOM_NL__2PRFIN20110116_132905_00000383098_00297_46432_8198.N1	16-JAN-2011 13:29:05	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46432	No
190	GOM_NL__2PRFIN20110116_133326_00000393098_00297_46432_8199.N1	16-JAN-2011 13:33:26	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46432	No
191	GOM_NL__2PRFIN20110116_134219_00000553098_00297_46432_8200.N1	16-JAN-2011 13:42:19	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46432	No
192	GOM_NL__2PRFIN20110116_134433_00000653098_00297_46432_8201.N1	16-JAN-2011 13:44:33	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46432	No
193	GOM_NL__2PRFIN20110116_135100_00000633098_00297_46432_8202.N1	16-JAN-2011 13:51:00	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46432	No
194	GOM_NL__2PRFIN20110116_135307_00000573098_00297_46432_8203.N1	16-JAN-2011 13:53:07	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46432	No
195	GOM_NL__2PRFIN20110116_135653_00000493098_00297_46432_8204.N1	16-JAN-2011 13:56:53	Twi_and_stray	49.000	104	27Bet Lib	2.6140	13100.	98	46432	No
196	GOM_NL__2PRFIN20110116_135843_00000453098_00297_46432_8205.N1	16-JAN-2011 13:58:43	Twi_and_stray	44.500	80	7Del Sco	2.3160	30000.	89	46432	No
197	GOM_NL__2PRFIN20110116_140012_00000523098_00297_46432_8206.N1	16-JAN-2011 14:00:12	Dark	51.500	122	9Alp2Lib	2.7470	9700.0	103	46432	No
198	GOM_NL__2PRFIN20110116_140410_00000403098_00297_46432_8207.N1	16-JAN-2011 14:04:10	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46432	No
199	GOM_NL__2PRFIN20110116_140557_00000403098_00297_46432_8208.N1	16-JAN-2011 14:05:57	Dark	40.000	109	Bet Lup	2.6770	26000.	80	46432	No
200	GOM_NL__2PRFIN20110116_140722_00000503098_00297_46432_8209.N1	16-JAN-2011 14:07:22	Dark	50.000	54	5The Cen	2.0550	4500.0	100	46432	No
201	GOM_NL__2PRFIN20110116_140932_00000443098_00298_46433_8255.N1	16-JAN-2011 14:09:32	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46433	No
202	GOM_NL__2PRFIN20110116_141422_00000413098_00298_46433_8256.N1	16-JAN-2011 14:14:22	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46433	No
203	GOM_NL__2PRFIN20110116_141935_00000473098_00298_46433_8257.N1	16-JAN-2011 14:19:35	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46433	No
204	GOM_NL__2PRFIN20110116_142242_00000403098_00298_46433_8258.N1	16-JAN-2011 14:22:42	Dark	40.000	46	Del Vel	1.9540	10600.	80	46433	No
205	GOM_NL__2PRFIN20110116_142524_00000453098_00298_46433_8259.N1	16-JAN-2011 14:25:24	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46433	No
206	GOM_NL__2PRFIN20110116_142731_00000443098_00298_46433_8260.N1	16-JAN-2011 14:27:31	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46433	No
207	GOM_NL__2PRFIN20110116_143116_00000443098_00298_46433_8261.N1	16-JAN-2011 14:31:16	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46433	No
208	GOM_NL__2PRFIN20110116_143306_00000403098_00298_46433_8262.N1	16-JAN-2011 14:33:06	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46433	No
209	GOM_NL__2PRFIN20110116_144155_00000533098_00298_46433_8263.N1	16-JAN-2011 14:41:55	Twi_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	46433	No
210	GOM_NL__2PRFIN20110116_144453_00000543098_00298_46433_8264.N1	16-JAN-2011 14:44:53	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46433	No
211	GOM_NL__2PRFIN20110116_144636_00000413098_00298_46433_8265.N1	16-JAN-2011 14:46:36	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	46433	No
212	GOM_NL__2PRFIN20110116_144922_00000483098_00298_46433_8266.N1	16-JAN-2011 14:49:22	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46433	No
213	GOM_NL__2PRFIN20110116_150538_00000263098_00298_46433_8267.N1	16-JAN-2011 15:05:38	Twi_and_stray	26.000	36	50Alp UMa	1.8000	6300.0	52	46433	No
214	GOM_NL__2PRFIN20110116_150919_00000403098_00298_46433_8268.N1	16-JAN-2011 15:09:19	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46433	No
215	GOM_NL__2PRFIN20110116_151339_00000383098_00298_46433_8269.N1	16-JAN-2011 15:13:39	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46433	No
216	GOM_NL__2PRFIN20110116_152233_00000553098_00298_46433_8270.N1	16-JAN-2011 15:22:33	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46433	No
217	GOM_NL__2PRFIN20110116_152447_00000653098_00298_46433_8271.N1	16-JAN-2011 15:24:47	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46433	No
218	GOM_NL__2PRFIN20110116_153114_00000633098_00298_46433_8272.N1	16-JAN-2011 15:31:14	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46433	No
219	GOM_NL__2PRFIN20110116_153321_00000573098_00298_46433_8273.N1	16-JAN-2011 15:33:21	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46433	No

220	GOM_NL__2PRFIN20110116_153708_000000483098_00298_46433_8274.N1	16-JAN-2011 15:37:08	Twl_and_stray	48.000	104	27Bet Lib	2.6140	13100.	96	46433	No
221	GOM_NL__2PRFIN20110116_153857_000000463098_00298_46433_8275.N1	16-JAN-2011 15:38:57	Twl_and_stray	45.500	80	7Del Sco	2.3160	30000.	91	46433	No
222	GOM_NL__2PRFIN20110116_154027_000000553098_00298_46433_8276.N1	16-JAN-2011 15:40:27	Dark	54.500	122	9Alp2Lib	2.7470	9700.0	109	46433	No
223	GOM_NL__2PRFIN20110116_154425_000000403098_00298_46433_8277.N1	16-JAN-2011 15:44:25	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46433	No
224	GOM_NL__2PRFIN20110116_154612_000000423098_00298_46433_8278.N1	16-JAN-2011 15:46:12	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46433	No
225	GOM_NL__2PRFIN20110116_154737_000000493098_00298_46433_8279.N1	16-JAN-2011 15:47:37	Dark	48.500	54	5The Cen	2.0550	4500.0	97	46433	No
226	GOM_NL__2PRFIN20110116_154946_000000443098_00299_46434_8407.N1	16-JAN-2011 15:49:46	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46434	No
227	GOM_NL__2PRFIN20110116_155437_000000443098_00299_46434_8408.N1	16-JAN-2011 15:54:37	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46434	No
228	GOM_NL__2PRFIN20110116_155950_000000483098_00299_46434_8409.N1	16-JAN-2011 15:59:50	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46434	No
229	GOM_NL__2PRFIN20110116_160256_000000433098_00299_46434_8410.N1	16-JAN-2011 16:02:56	Dark	42.500	46	Del Vel	1.9540	10600.	85	46434	No
230	GOM_NL__2PRFIN20110116_160538_000000393098_00299_46434_8411.N1	16-JAN-2011 16:05:38	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	46434	No
231	GOM_NL__2PRFIN20110116_160746_000000453098_00299_46434_8412.N1	16-JAN-2011 16:07:46	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46434	No
232	GOM_NL__2PRFIN20110116_161130_000000443098_00299_46434_8413.N1	16-JAN-2011 16:11:30	Straylight	44.000	88	31Eta CMa	2.4480	20000.	88	46434	No
233	GOM_NL__2PRFIN20110116_161320_000000413098_00299_46434_8414.N1	16-JAN-2011 16:13:20	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	46434	No
234	GOM_NL__2PRFIN20110116_162209_000000603098_00299_46434_8415.N1	16-JAN-2011 16:22:09	Twl_and_stray	60.000	8	10Alp CMi	0.40000	6500.0	120	46434	No
235	GOM_NL__2PRFIN20110116_162507_000000463098_00299_46434_8416.N1	16-JAN-2011 16:25:07	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	46434	No
236	GOM_NL__2PRFIN20110116_162650_000000423098_00299_46434_8417.N1	16-JAN-2011 16:26:50	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	46434	No
237	GOM_NL__2PRFIN20110116_162935_000000483098_00299_46434_8418.N1	16-JAN-2011 16:29:35	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46434	No
238	GOM_NL__2PRFIN20110116_164552_000000273098_00299_46434_8419.N1	16-JAN-2011 16:45:52	Twl_and_stray	27.000	36	50Alp UMa	1.8000	6300.0	54	46434	No
239	GOM_NL__2PRFIN20110116_164933_000000393098_00299_46434_8420.N1	16-JAN-2011 16:49:33	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46434	No
240	GOM_NL__2PRFIN20110116_165353_000000373098_00299_46434_8421.N1	16-JAN-2011 16:53:53	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	46434	No
241	GOM_NL__2PRFIN20110116_170247_000000373098_00299_46434_8422.N1	16-JAN-2011 17:02:47	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	46434	No
242	GOM_NL__2PRFIN20110116_170501_000000653098_00299_46434_8423.N1	16-JAN-2011 17:05:01	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46434	No
243	GOM_NL__2PRFIN20110116_171129_000000633098_00299_46434_8424.N1	16-JAN-2011 17:11:29	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46434	No
244	GOM_NL__2PRFIN20110116_171335_000000383098_00299_46434_8425.N1	16-JAN-2011 17:13:35	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	46434	No
245	GOM_NL__2PRFIN20110116_171722_000000513098_00299_46434_8426.N1	16-JAN-2011 17:17:22	Twl_and_stray	50.500	104	27Bet Lib	2.6140	13100.	101	46434	No
246	GOM_NL__2PRFIN20110116_171912_000000503098_00299_46434_8427.N1	16-JAN-2011 17:19:12	Twl_and_stray	49.500	80	7Del Sco	2.3160	30000.	99	46434	No
247	GOM_NL__2PRFIN20110116_172042_000000523098_00299_46434_8428.N1	16-JAN-2011 17:20:42	Dark	52.000	122	9Alp2Lib	2.7470	9700.0	104	46434	No
248	GOM_NL__2PRFIN20110116_172440_000000403098_00299_46434_8429.N1	16-JAN-2011 17:24:40	Dark	39.500	131	Gam Lup	2.8000	26000.	79	46434	No
249	GOM_NL__2PRFIN20110116_172627_000000413098_00299_46434_8430.N1	16-JAN-2011 17:26:27	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46434	No
250	GOM_NL__2PRFIN20110116_172752_000000523098_00299_46434_8431.N1	16-JAN-2011 17:27:52	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46434	No
251	GOM_NL__2PRFIN20110116_173001_000000443098_00300_46435_8421.N1	16-JAN-2011 17:30:01	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46435	No
252	GOM_NL__2PRFIN20110116_173451_000000473098_00300_46435_8422.N1	16-JAN-2011 17:34:51	Dark	47.000	12	Alp1Cru	0.77500	30000.	94	46435	No
253	GOM_NL__2PRFIN20110116_174005_000000483098_00300_46435_8423.N1	16-JAN-2011 17:40:05	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46435	No
254	GOM_NL__2PRFIN20110116_174311_000000423098_00300_46435_8424.N1	16-JAN-2011 17:43:11	Dark	41.500	46	Del Vel	1.9540	10600.	83	46435	No
255	GOM_NL__2PRFIN20110116_174552_000000423098_00300_46435_8425.N1	16-JAN-2011 17:45:52	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	46435	No
256	GOM_NL__2PRFIN20110116_174800_000000463098_00300_46435_8426.N1	16-JAN-2011 17:48:00	Dark	45.500	70	Zet Pup	2.2460	39000.	91	46435	No
257	GOM_NL__2PRFIN20110116_175145_000000443098_00300_46435_8427.N1	16-JAN-2011 17:51:45	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46435	No
258	GOM_NL__2PRFIN20110116_175336_000000403098_00300_46435_8428.N1	16-JAN-2011 17:53:36	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46435	No
259	GOM_NL__2PRFIN20110116_180223_000000613098_00300_46435_8429.N1	16-JAN-2011 18:02:23	Twl_and_stray	61.000	8	10Alp CMi	0.40000	6500.0	122	46435	No
260	GOM_NL__2PRFIN20110116_180521_000000543098_00300_46435_8430.N1	16-JAN-2011 18:05:21	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46435	No
261	GOM_NL__2PRFIN20110116_180704_000000413098_00300_46435_8431.N1	16-JAN-2011 18:07:04	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	46435	No
262	GOM_NL__2PRFIN20110116_180949_000000473098_00300_46435_8432.N1	16-JAN-2011 18:09:49	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46435	No
263	GOM_NL__2PRFIN20110116_182605_000000273098_00300_46435_8433.N1	16-JAN-2011 18:26:05	Twl_and_stray	27.000	36	50Alp UMa	1.8000	6300.0	54	46435	No
264	GOM_NL__2PRFIN20110116_182947_000000403098_00300_46435_8434.N1	16-JAN-2011 18:29:47	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46435	No
265	GOM_NL__2PRFIN20110116_183407_000000393098_00300_46435_8435.N1	16-JAN-2011 18:34:07	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46435	No
266	GOM_NL__2PRFIN20110116_184301_000000553098_00300_46435_8436.N1	16-JAN-2011 18:43:01	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46435	No
267	GOM_NL__2PRFIN20110116_184516_000000653098_00300_46435_8437.N1	16-JAN-2011 18:45:16	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46435	No
268	GOM_NL__2PRFIN20110116_185143_000000423098_00300_46435_8438.N1	16-JAN-2011 18:51:43	Bright	42.000	102	24Alp Ser	2.6000	4250.0	84	46435	No
269	GOM_NL__2PRFIN20110116_185350_000000523098_00300_46435_8439.N1	16-JAN-2011 18:53:50	Bright	52.000	120	1Del Oph	2.7340	3200.0	104	46435	No
270	GOM_NL__2PRFIN20110116_185737_000000523098_00300_46435_8440.N1	16-JAN-2011 18:57:37	Twl_and_stray	52.000	104	27Bet Lib	2.6140	13100.	104	46435	No
271	GOM_NL__2PRFIN20110116_185926_000000473098_00300_46435_8441.N1	16-JAN-2011 18:59:26	Twl_and_stray	47.000	80	7Del Sco	2.3160	30000.	94	46435	No
272	GOM_NL__2PRFIN20110116_190057_000000533098_00300_46435_8442.N1	16-JAN-2011 19:00:57	Dark	52.500	122	9Alp2Lib	2.7470	9700.0	105	46435	No
273	GOM_NL__2PRFIN20110116_190454_000000423098_00300_46435_8443.N1	16-JAN-2011 19:04:54	Dark	41.500	131	Gam Lup	2.8000	26000.	83	46435	No
274	GOM_NL__2PRFIN20110116_190642_000000423098_00300_46435_8444.N1	16-JAN-2011 19:06:42	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46435	No
275	GOM_NL__2PRFIN20110116_190807_000000503098_00300_46435_8445.N1	16-JAN-2011 19:08:07	Dark	49.500	54	5The Cen	2.0550	4500.0	99	46435	No
276	GOM_NL__2PRFIN20110116_191016_000000443098_00301_46436_8482.N1	16-JAN-2011 19:10:16	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46436	No
277	GOM_NL__2PRFIN20110116_191506_000000513098_00301_46436_8483.N1	16-JAN-2011 19:15:06	Dark	51.000	12	Alp1Cru	0.77500	30000.	102	46436	No
278	GOM_NL__2PRFIN20110116_192020_000000503098_00301_46436_8484.N1	16-JAN-2011 19:20:20	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46436	No

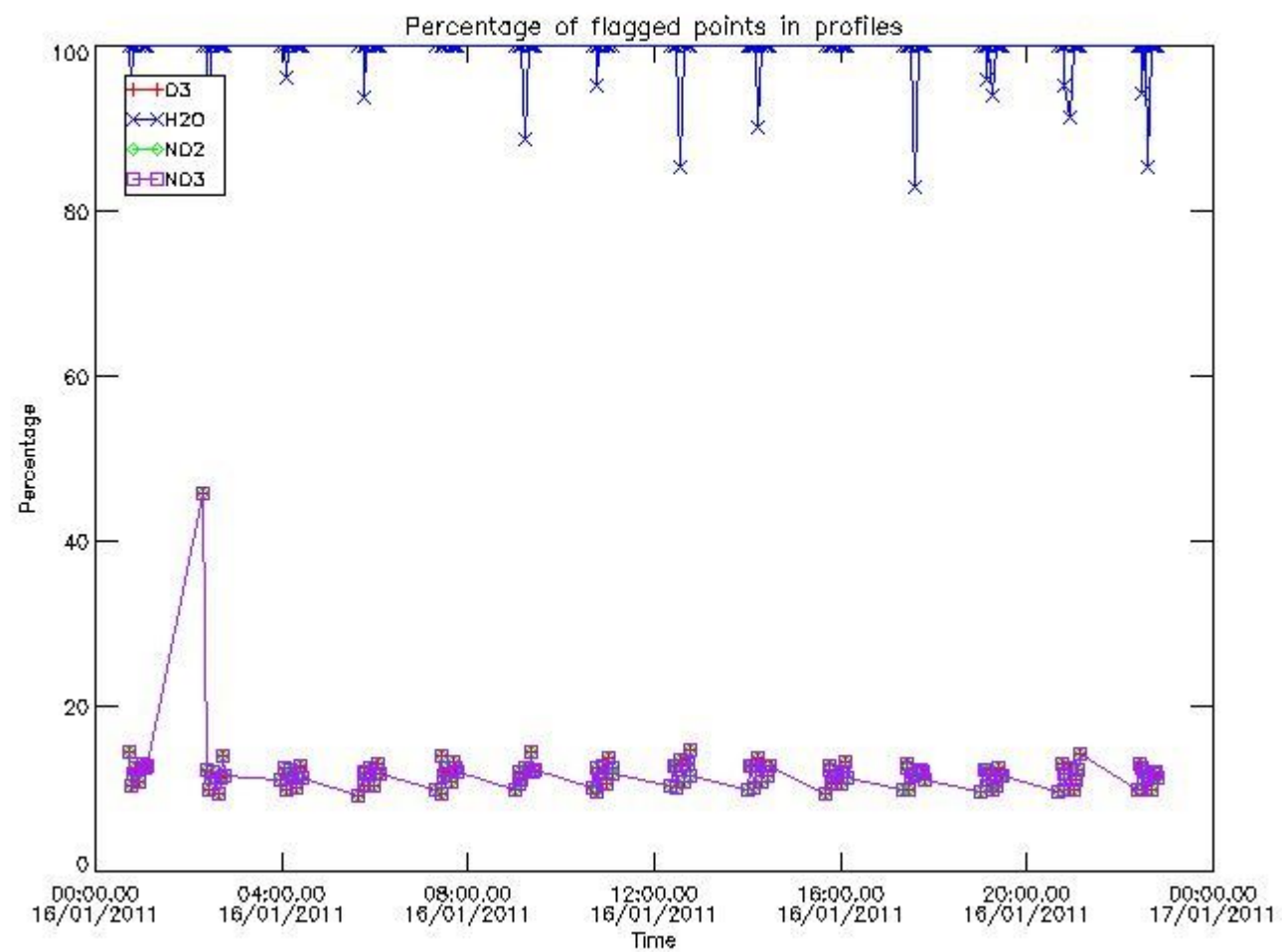
279	GOM_NL__2PRFIN20110116_192325_000000413098_00301_46436_8485.N1	16-JAN-2011 19:23:25	Dark	41.000	46	Del Vel	1.9540	10600.	82	46436	No
280	GOM_NL__2PRFIN20110116_192607_000000453098_00301_46436_8486.N1	16-JAN-2011 19:26:07	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46436	No
281	GOM_NL__2PRFIN20110116_192815_000000443098_00301_46436_8487.N1	16-JAN-2011 19:28:15	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46436	No
282	GOM_NL__2PRFIN20110116_193301_000000463098_00301_46436_8488.N1	16-JAN-2011 19:33:01	Straylight	45.500	37	25Del CMa	1.8300	5900.0	91	46436	No
283	GOM_NL__2PRFIN20110116_194237_000000623098_00301_46436_8489.N1	16-JAN-2011 19:42:37	Tw_i_and_stray	62.000	8	10Alp CMi	0.40000	6500.0	124	46436	No
284	GOM_NL__2PRFIN20110116_194535_000000543098_00301_46436_8490.N1	16-JAN-2011 19:45:35	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46436	No
285	GOM_NL__2PRFIN20110116_194718_000000413098_00301_46436_8491.N1	16-JAN-2011 19:47:18	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	46436	No
286	GOM_NL__2PRFIN20110116_195002_000000473098_00301_46436_8492.N1	16-JAN-2011 19:50:02	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46436	No
287	GOM_NL__2PRFIN20110116_200618_000000283098_00301_46436_8493.N1	16-JAN-2011 20:06:18	Tw_i_and_stray	28.000	36	50Alp UMa	1.8000	6300.0	56	46436	No
288	GOM_NL__2PRFIN20110116_201001_000000403098_00301_46436_8494.N1	16-JAN-2011 20:10:01	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46436	No
289	GOM_NL__2PRFIN20110116_201422_000000393098_00301_46436_8495.N1	16-JAN-2011 20:14:22	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46436	No
290	GOM_NL__2PRFIN20110116_202315_000000553098_00301_46436_8496.N1	16-JAN-2011 20:23:15	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46436	No
291	GOM_NL__2PRFIN20110116_202530_000000443098_00301_46436_8497.N1	16-JAN-2011 20:25:30	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	46436	No
292	GOM_NL__2PRFIN20110116_203158_000000633098_00301_46436_8498.N1	16-JAN-2011 20:31:58	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46436	No
293	GOM_NL__2PRFIN20110116_203405_000000573098_00301_46436_8499.N1	16-JAN-2011 20:34:05	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46436	No
294	GOM_NL__2PRFIN20110116_203752_000000533098_00301_46436_8500.N1	16-JAN-2011 20:37:52	Tw_i_and_stray	52.500	104	27Bet Lib	2.6140	13100.	105	46436	No
295	GOM_NL__2PRFIN20110116_203941_000000453098_00301_46436_8501.N1	16-JAN-2011 20:39:41	Tw_i_and_stray	45.000	80	7Del Sco	2.3160	30000.	90	46436	No
296	GOM_NL__2PRFIN20110116_204112_000000533098_00301_46436_8502.N1	16-JAN-2011 20:41:12	Dark	52.500	122	9Alp2Lib	2.7470	9700.0	105	46436	No
297	GOM_NL__2PRFIN20110116_204509_000000393098_00301_46436_8503.N1	16-JAN-2011 20:45:09	Dark	39.000	131	Gam Lup	2.8000	26000.	78	46436	No
298	GOM_NL__2PRFIN20110116_204656_000000433098_00301_46436_8504.N1	16-JAN-2011 20:46:56	Dark	43.000	109	Bet Lup	2.6770	26000.	86	46436	No
299	GOM_NL__2PRFIN20110116_204822_000000523098_00301_46436_8505.N1	16-JAN-2011 20:48:22	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46436	No
300	GOM_NL__2PRFIN20110116_205521_000000413098_00302_46437_8523.N1	16-JAN-2011 20:55:21	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	46437	No
301	GOM_NL__2PRFIN20110116_210034_000000523098_00302_46437_8524.N1	16-JAN-2011 21:00:34	Dark	51.500	113	Mu Vel	2.6920	5000.0	103	46437	No
302	GOM_NL__2PRFIN20110116_210340_000000463098_00302_46437_8525.N1	16-JAN-2011 21:03:40	Dark	46.000	46	Del Vel	1.9540	10600.	92	46437	No
303	GOM_NL__2PRFIN20110116_210621_000000423098_00302_46437_8526.N1	16-JAN-2011 21:06:21	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	46437	No
304	GOM_NL__2PRFIN20110116_210829_000000403098_00302_46437_8527.N1	16-JAN-2011 21:08:29	Dark	39.500	70	Zet Pup	2.2460	39000.	79	46437	No
305	GOM_NL__2PRFIN20110116_211315_000000453098_00302_46437_8528.N1	16-JAN-2011 21:13:15	Straylight	44.500	37	25Del CMa	1.8300	5900.0	89	46437	No
306	GOM_NL__2PRFIN20110116_212251_000000623098_00302_46437_8529.N1	16-JAN-2011 21:22:51	Tw_i_and_stray	62.000	8	10Alp CMi	0.40000	6500.0	124	46437	No
307	GOM_NL__2PRFIN20110116_212549_000000543098_00302_46437_8530.N1	16-JAN-2011 21:25:49	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46437	No
308	GOM_NL__2PRFIN20110116_212732_000000413098_00302_46437_8531.N1	16-JAN-2011 21:27:32	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	46437	No
309	GOM_NL__2PRFIN20110116_213016_000000483098_00302_46437_8532.N1	16-JAN-2011 21:30:16	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46437	No
310	GOM_NL__2PRFIN20110116_214632_000000283098_00302_46437_8533.N1	16-JAN-2011 21:46:32	Tw_i_and_stray	28.000	36	50Alp UMa	1.8000	6300.0	56	46437	No
311	GOM_NL__2PRFIN20110116_215015_000000563098_00302_46437_8534.N1	16-JAN-2011 21:50:15	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	46437	No
312	GOM_NL__2PRFIN20110116_215435_000000363098_00302_46437_8535.N1	16-JAN-2011 21:54:35	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	46437	No
313	GOM_NL__2PRFIN20110116_220330_000000553098_00302_46437_8536.N1	16-JAN-2011 22:03:30	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	46437	No
314	GOM_NL__2PRFIN20110116_220544_000000653098_00302_46437_8537.N1	16-JAN-2011 22:05:44	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46437	No
315	GOM_NL__2PRFIN20110116_221213_000000633098_00302_46437_8538.N1	16-JAN-2011 22:12:13	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	46437	No
316	GOM_NL__2PRFIN20110116_221419_000000573098_00302_46437_8539.N1	16-JAN-2011 22:14:19	Bright	56.500	120	1Del Oph	2.7340	3200.0	113	46437	No
317	GOM_NL__2PRFIN20110116_221807_000000523098_00302_46437_8540.N1	16-JAN-2011 22:18:07	Tw_i_and_stray	52.000	104	27Bet Lib	2.6140	13100.	104	46437	No
318	GOM_NL__2PRFIN20110116_221956_000000473098_00302_46437_8541.N1	16-JAN-2011 22:19:56	Tw_i_and_stray	47.000	80	7Del Sco	2.3160	30000.	94	46437	No
319	GOM_NL__2PRFIN20110116_222127_000000523098_00302_46437_8542.N1	16-JAN-2011 22:21:27	Dark	51.500	122	9Alp2Lib	2.7470	9700.0	103	46437	No
320	GOM_NL__2PRFIN20110116_222523_000000393098_00302_46437_8543.N1	16-JAN-2011 22:25:23	Dark	39.000	131	Gam Lup	2.8000	26000.	78	46437	No
321	GOM_NL__2PRFIN20110116_222711_000000413098_00302_46437_8544.N1	16-JAN-2011 22:27:11	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46437	No
322	GOM_NL__2PRFIN20110116_222837_000000523098_00302_46437_8545.N1	16-JAN-2011 22:28:37	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46437	No
323	GOM_NL__2PRFIN20110116_223046_000000433098_00303_46438_8539.N1	16-JAN-2011 22:30:46	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46438	No
324	GOM_NL__2PRFIN20110116_223212_000000433098_00303_46438_8540.N1	16-JAN-2011 22:32:12	Dark	42.500	77	Eps Cen	2.3030	28000.	85	46438	No
325	GOM_NL__2PRFIN20110116_223535_000000453098_00303_46438_8541.N1	16-JAN-2011 22:35:35	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	46438	No
326	GOM_NL__2PRFIN20110116_224049_000000523098_00303_46438_8542.N1	16-JAN-2011 22:40:49	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	46438	No
327	GOM_NL__2PRFIN20110116_224354_000000433098_00303_46438_8543.N1	16-JAN-2011 22:43:54	Dark	43.000	46	Del Vel	1.9540	10600.	86	46438	No
328	GOM_NL__2PRFIN20110116_224635_000000423098_00303_46438_8544.N1	16-JAN-2011 22:46:35	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	46438	No
329	GOM_NL__2PRFIN20110116_224843_000000453098_00303_46438_8545.N1	16-JAN-2011 22:48:43	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46438	No
330	GOM_NL__2PRFIN20110116_225329_000000453098_00303_46438_8546.N1	16-JAN-2011 22:53:29	Straylight	45.000	37	25Del CMa	1.8300	5900.0	90	46438	No
331	GOM_NL__2PRFIN20110116_230304_000000603098_00303_46438_8547.N1	16-JAN-2011 23:03:04	Tw_i_and_stray	59.500	8	10Alp CMi	0.40000	6500.0	119	46438	No
332	GOM_NL__2PRFIN20110116_230602_000000423098_00303_46438_8548.N1	16-JAN-2011 23:06:02	Bright	41.500	44	24Gam Gem	1.9280	11000.	83	46438	No
333	GOM_NL__2PRFIN20110116_230746_000000393098_00303_46438_8549.N1	16-JAN-2011 23:07:46	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	46438	No
334	GOM_NL__2PRFIN20110116_231029_000000483098_00303_46438_8550.N1	16-JAN-2011 23:10:29	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46438	No
335	GOM_NL__2PRFIN20110116_232645_000000293098_00303_46438_8551.N1	16-JAN-2011 23:26:45	Tw_i_and_stray	29.000	36	50Alp UMa	1.8000	6300.0	58	46438	No
336	GOM_NL__2PRFIN20110116_233028_000000353098_00303_46438_8552.N1	16-JAN-2011 23:30:28	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46438	No
337	GOM_NL__2PRFIN20110116_233449_000000393098_00303_46438_8553.N1	16-JAN-2011 23:34:49	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46438	No

338	GOM_NL__2PRFIN20110116_234344_000000373098_00303_46438_8554.N1	16-JAN-2011 23:43:44	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	46438	No
339	GOM_NL__2PRFIN20110116_234558_000000653098_00303_46438_8555.N1	16-JAN-2011 23:45:58	Bright	65.000	67	5Alp CrB	2.2210	11000.	130	46438	No
340	GOM_NL__2PRFIN20110116_235227_000000643098_00303_46438_8556.N1	16-JAN-2011 23:52:27	Bright	64.000	102	24Alp Ser	2.6000	4250.0	128	46438	No
341	GOM_NL__2PRFIN20110116_235433_000000573098_00303_46438_8557.N1	16-JAN-2011 23:54:33	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	46438	No
342	GOM_NL__2PRFIN20110116_235822_000000523098_00303_46438_8558.N1	16-JAN-2011 23:58:22	Twilight	51.500	104	27Bet Lib	2.6140	13100.	103	46438	No

3. Quality information per product

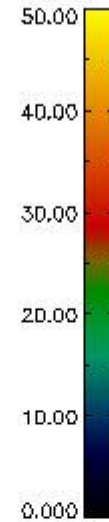
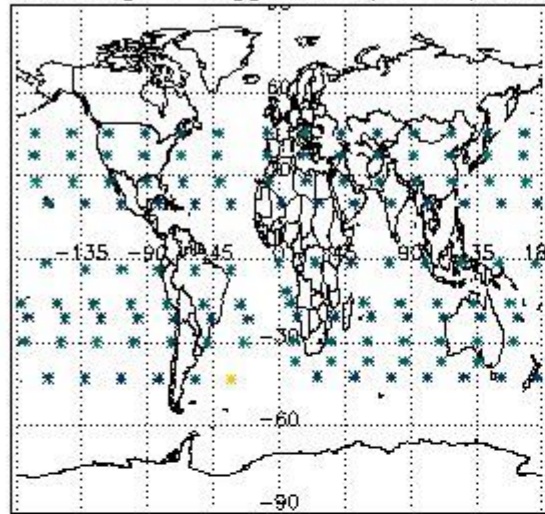
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

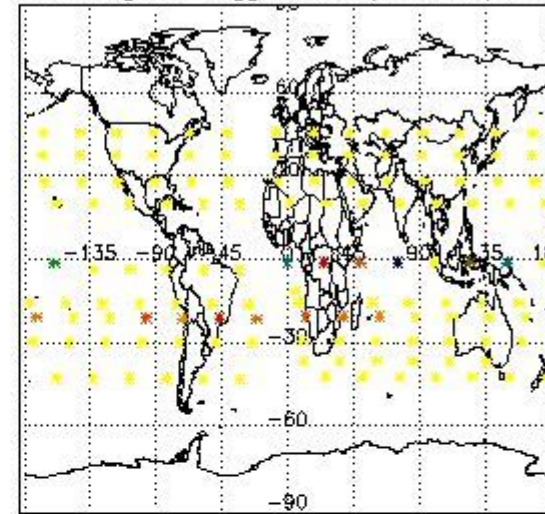


3.2 Plot quality information per product (world map)

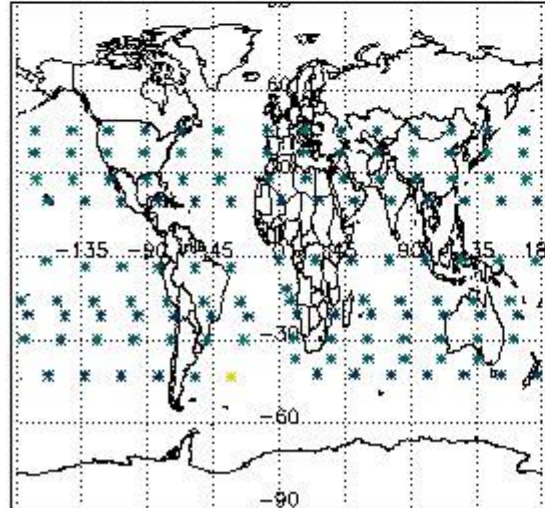
Percentage of flagged data per O3 profile



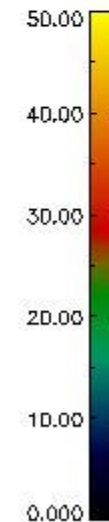
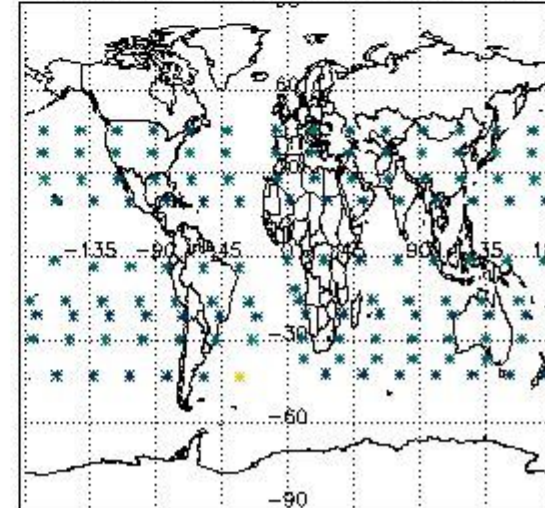
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

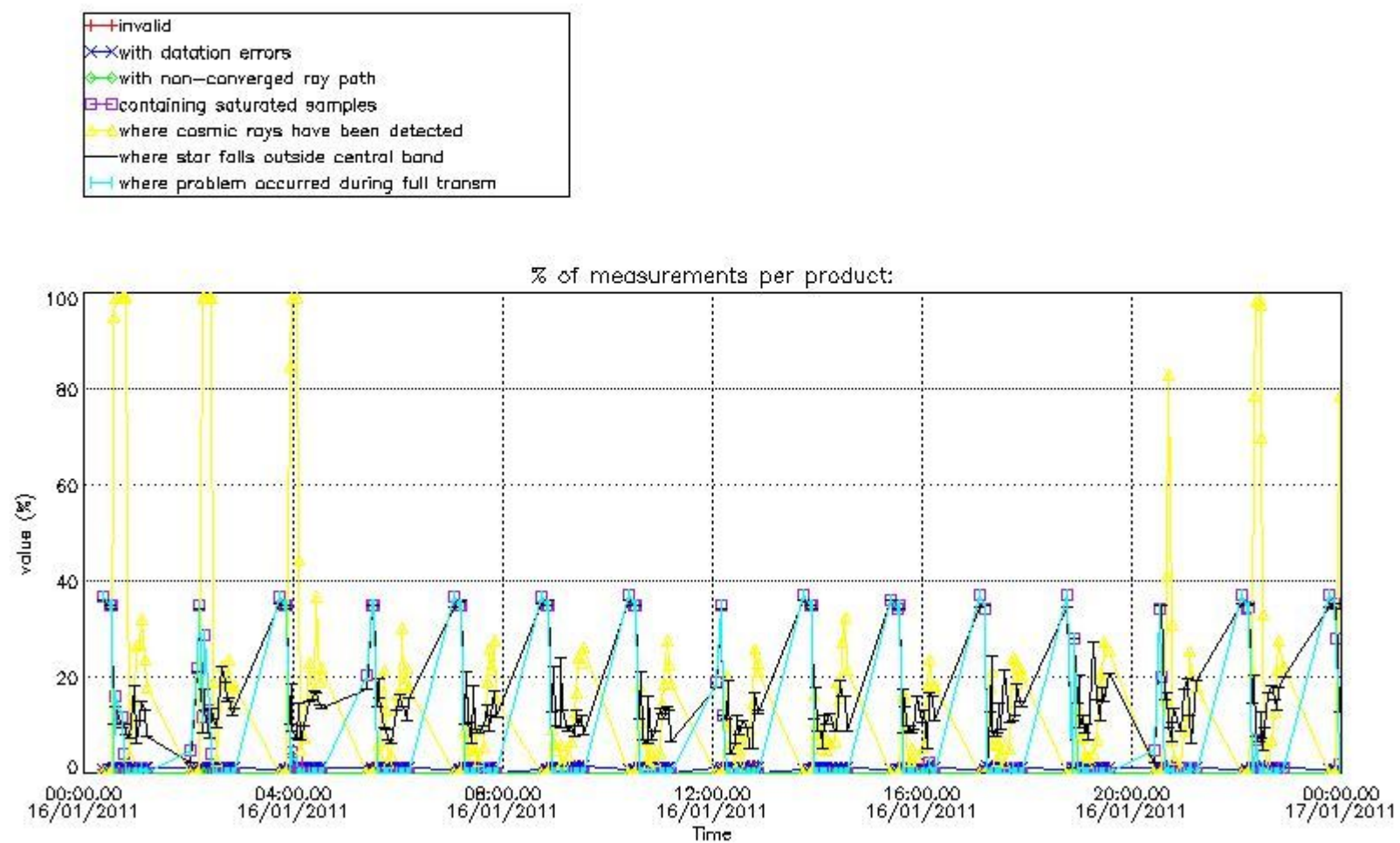


4. Level 1 quality information per product

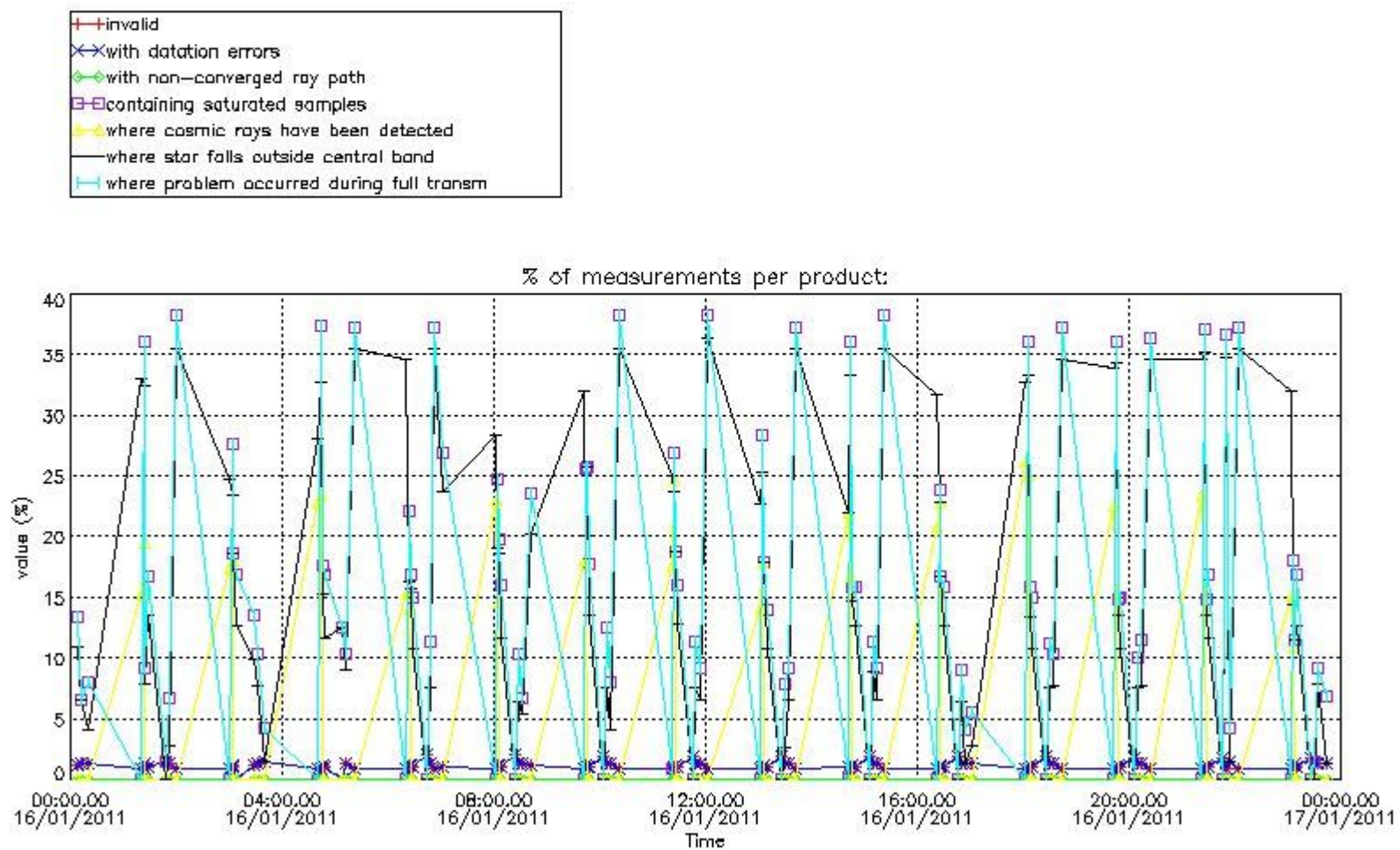
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

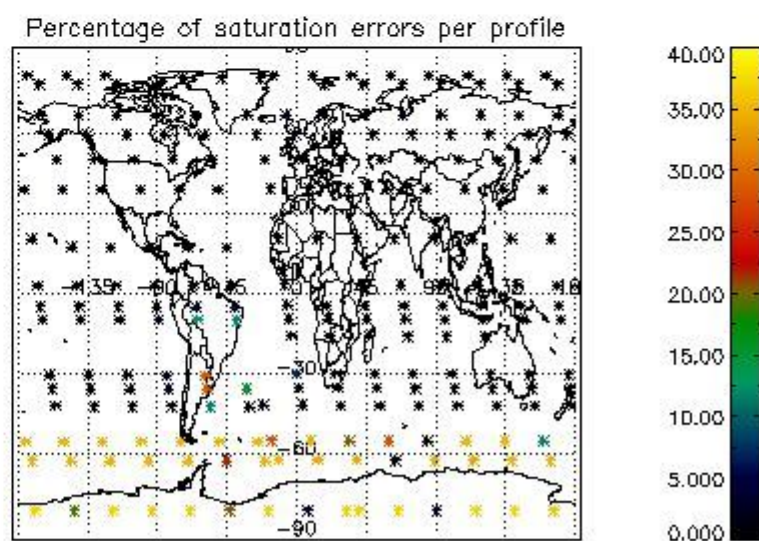
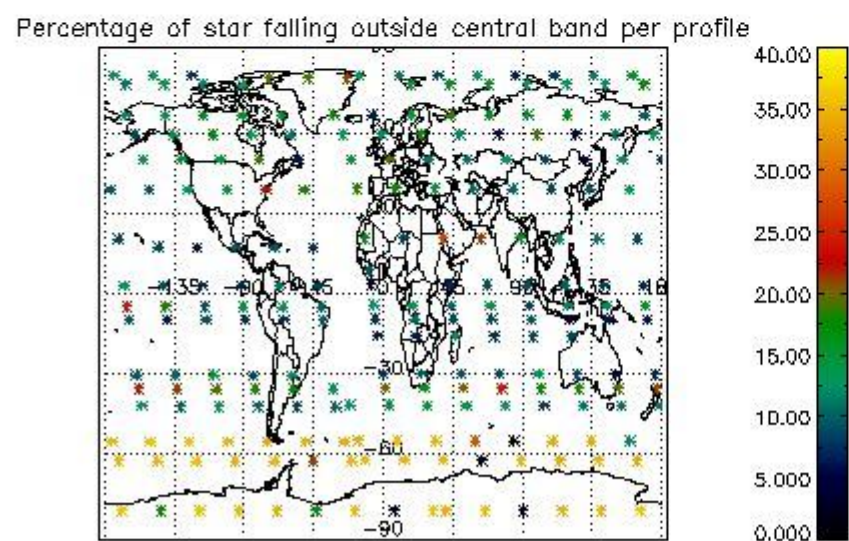
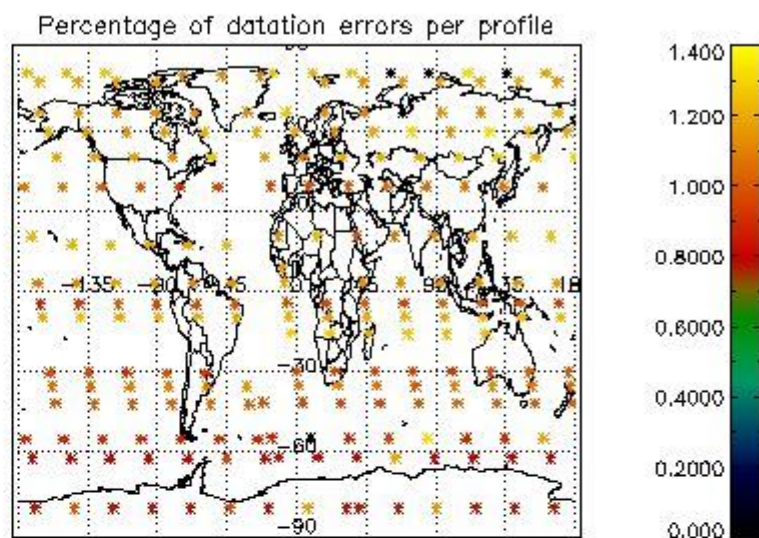
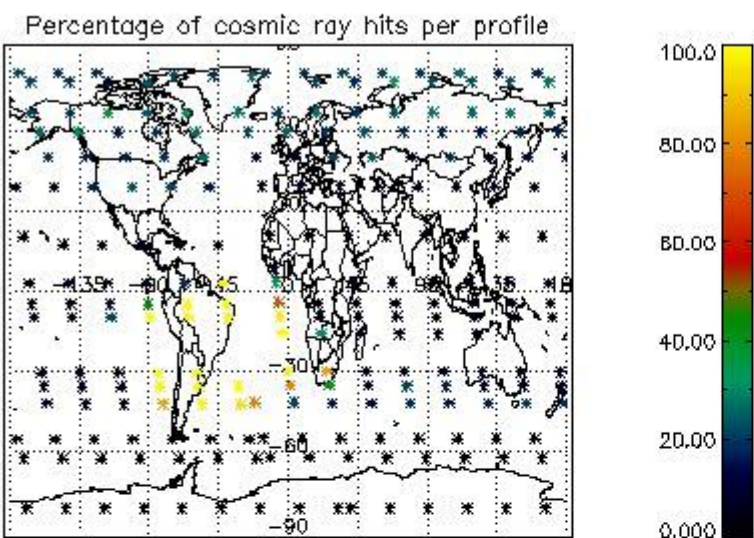


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

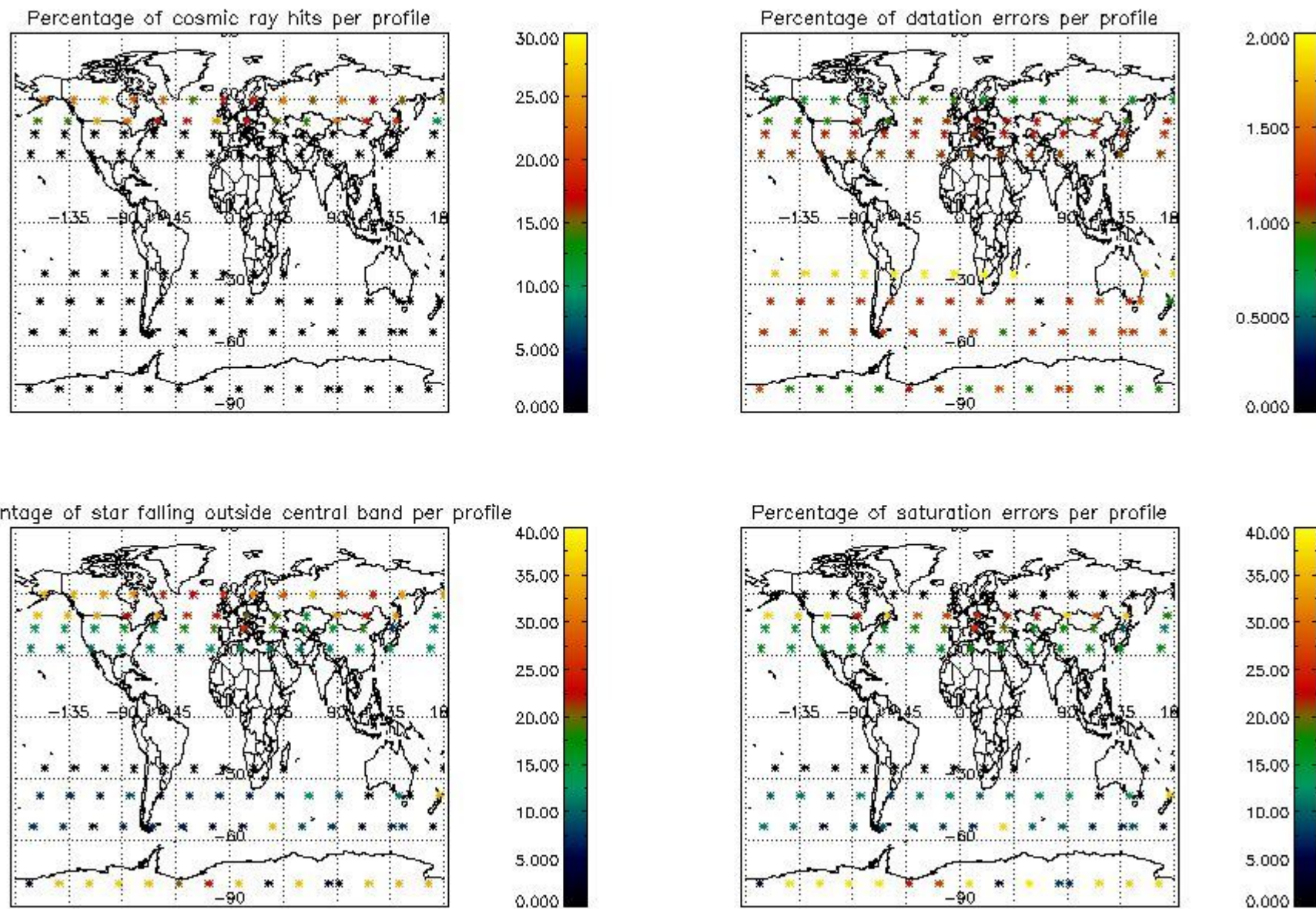


4.2 Plot quality information per product coming from level 1b processing (world map)

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

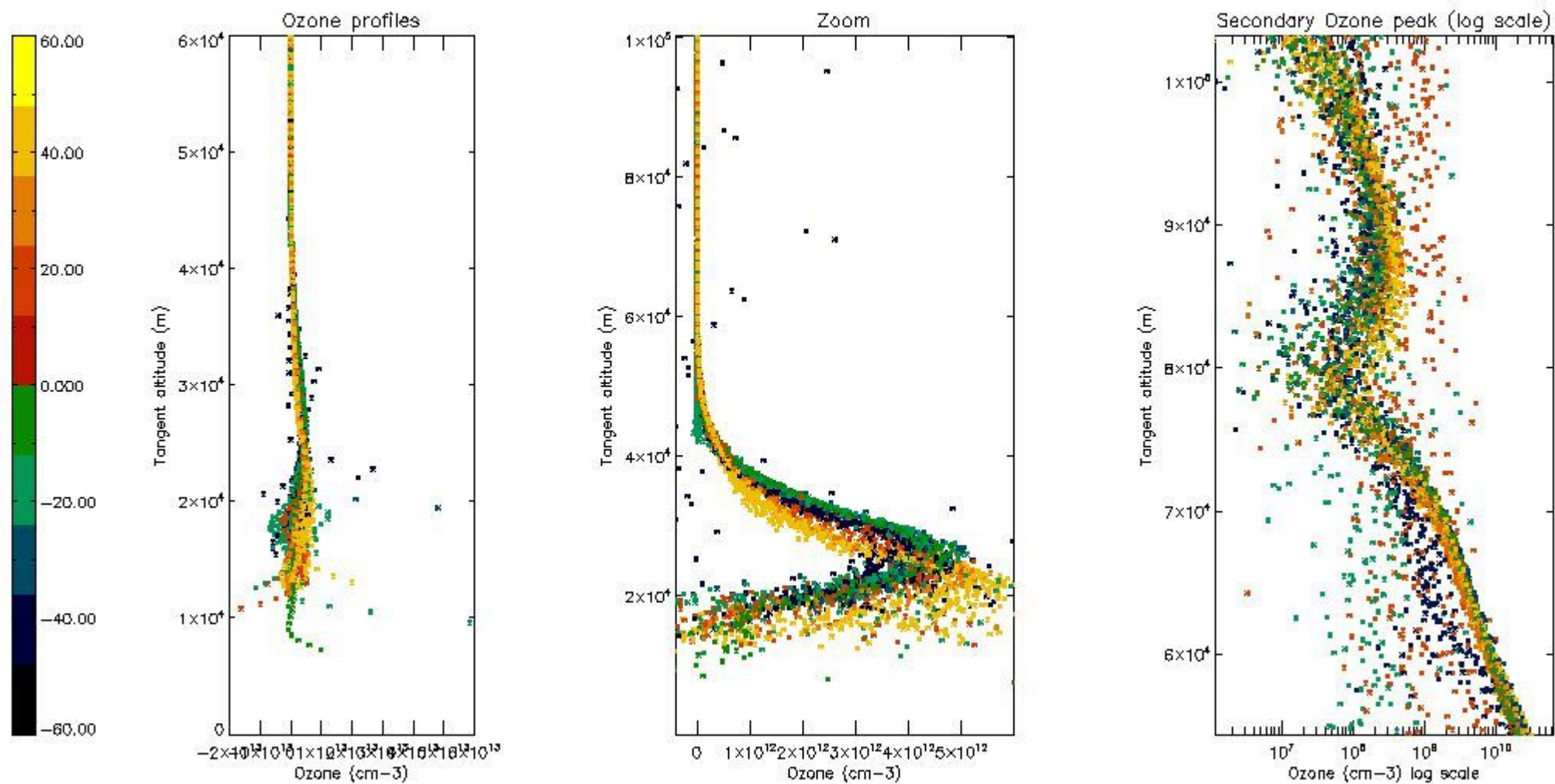
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	38
STD < 20	19

STD < 10	16
STD < 5	9

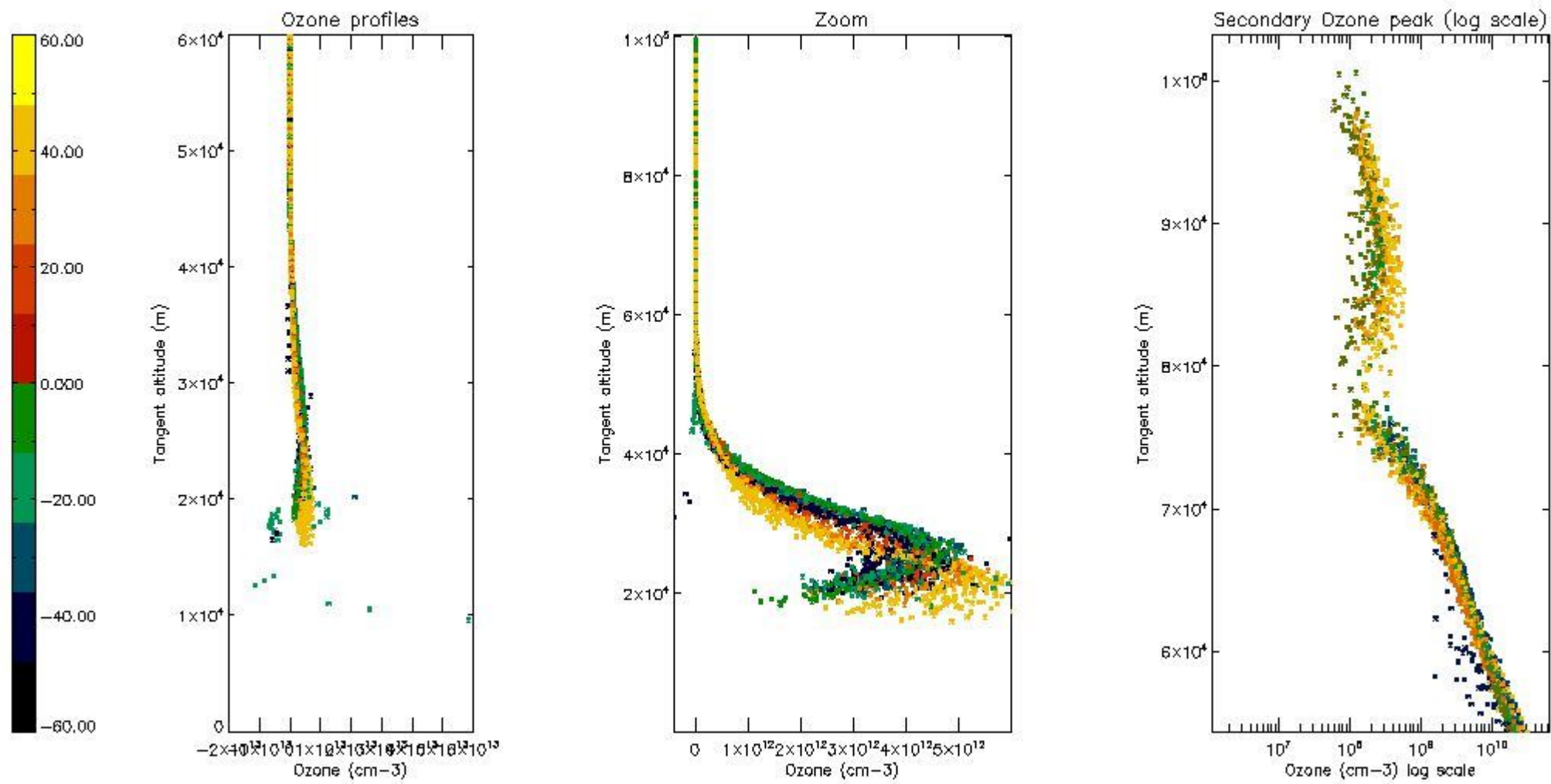
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



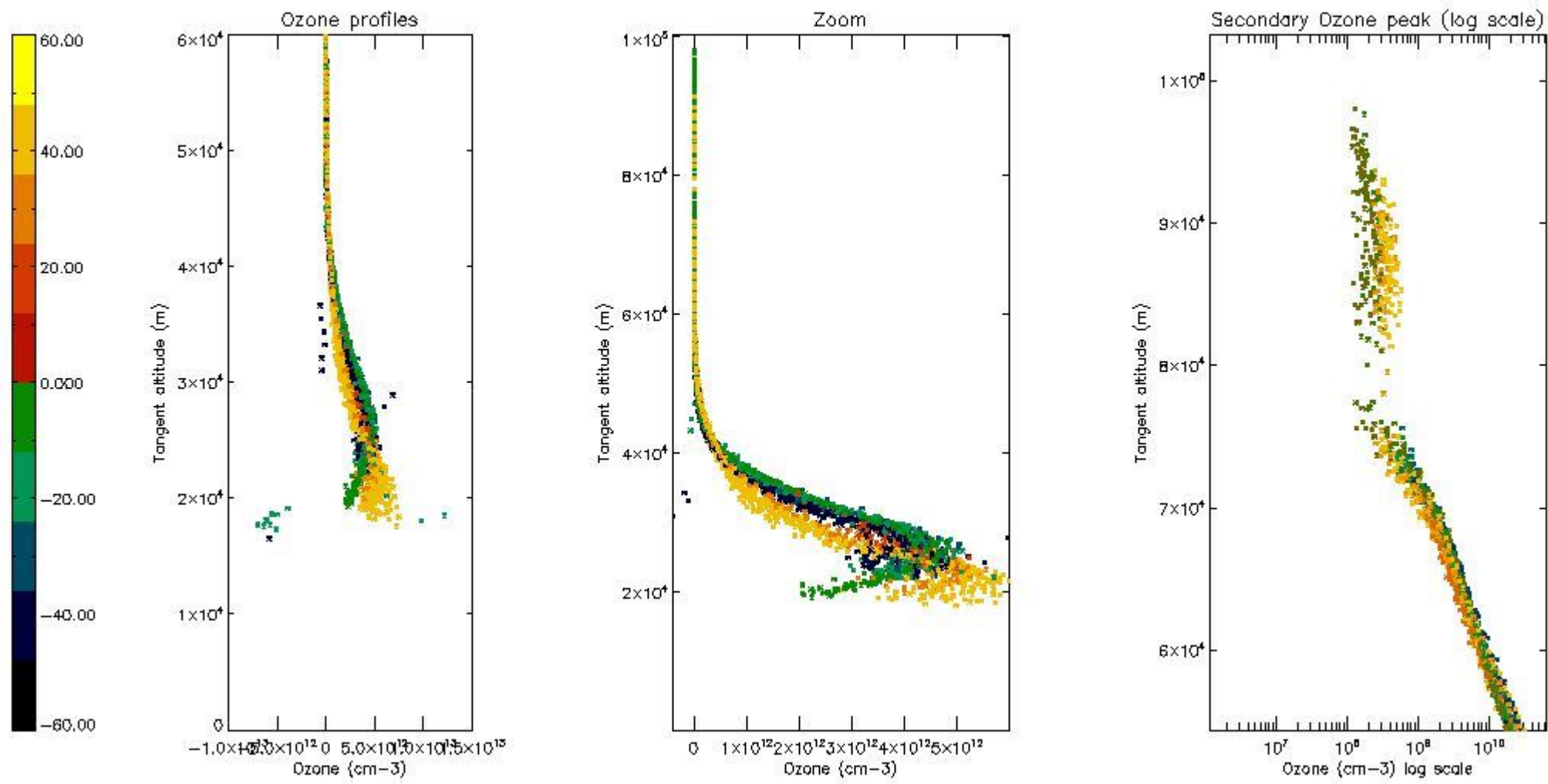
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



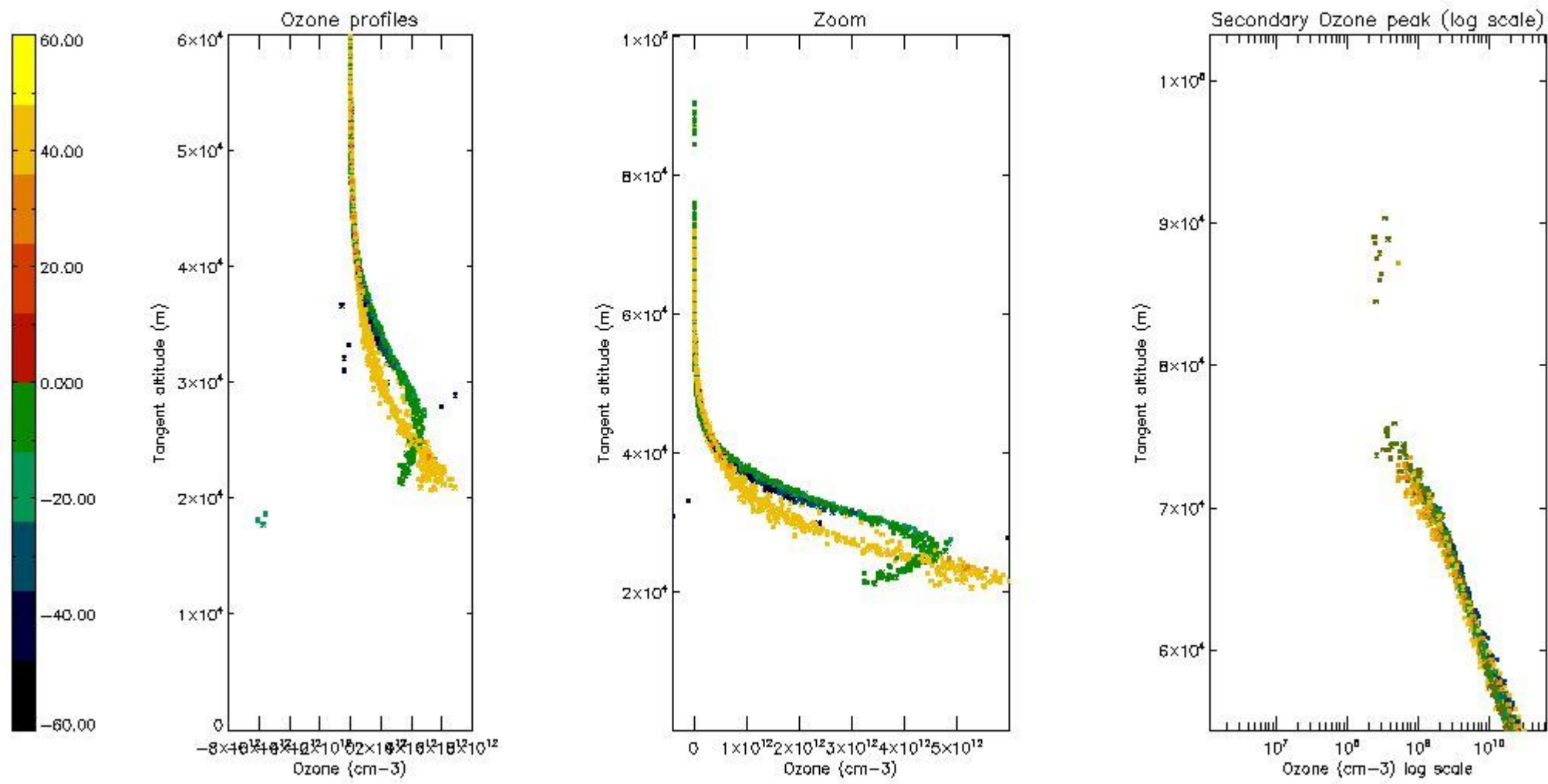
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



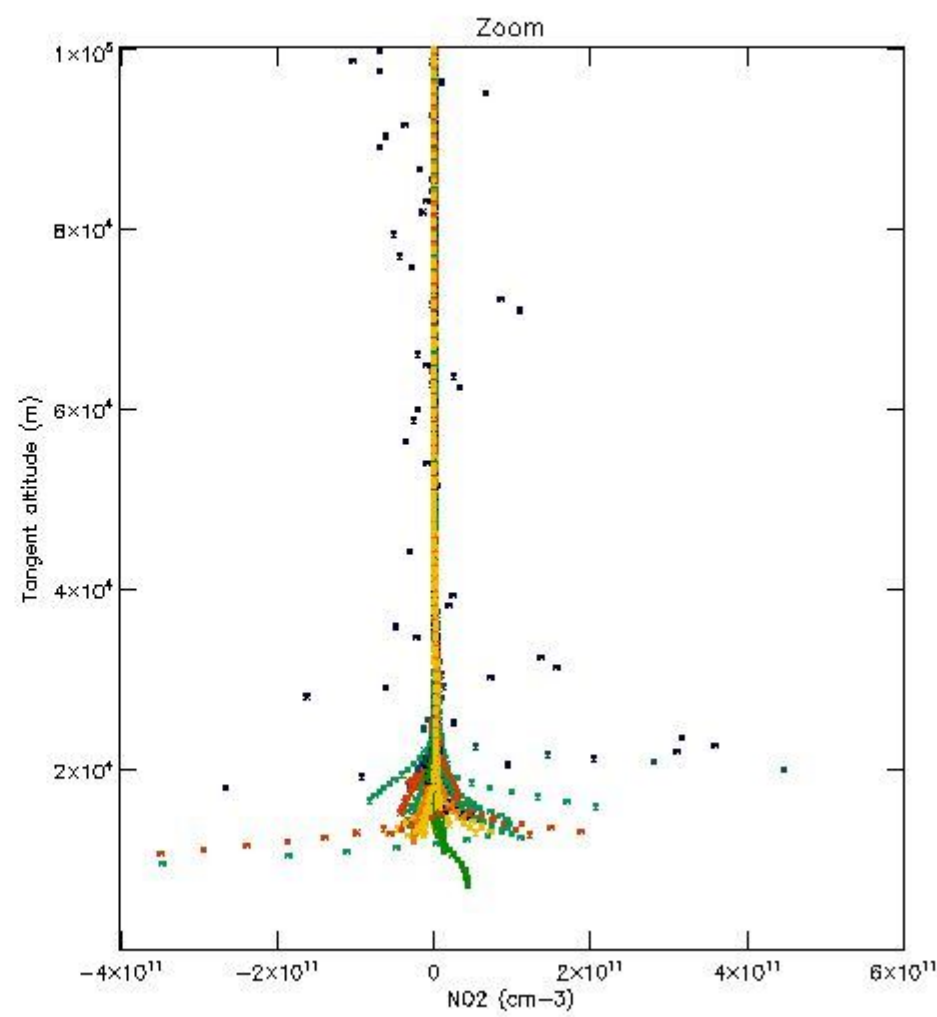
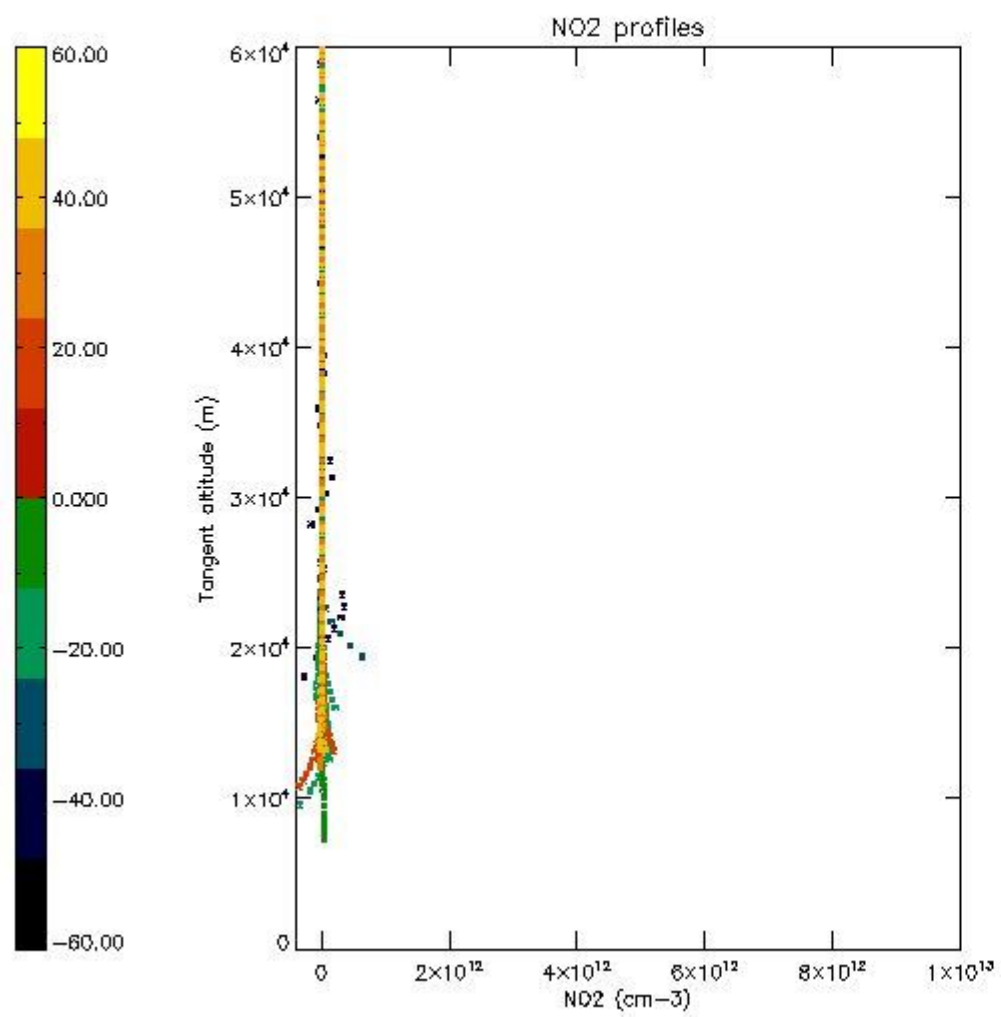
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



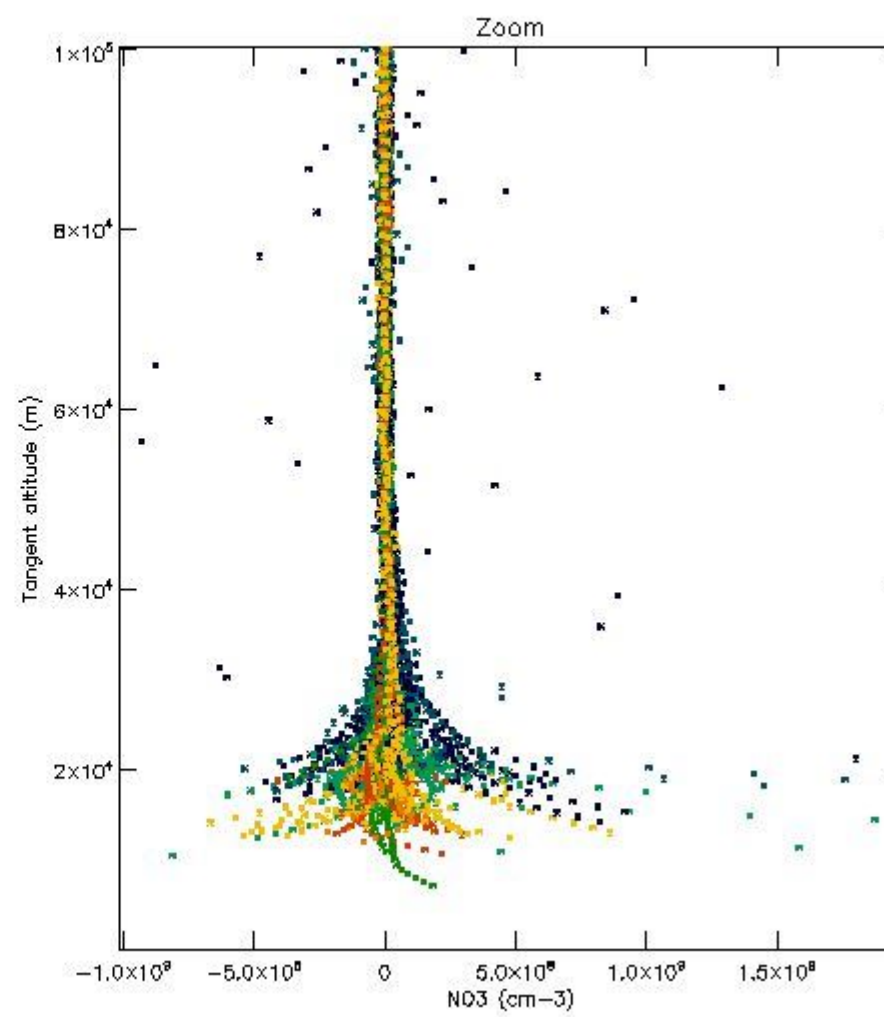
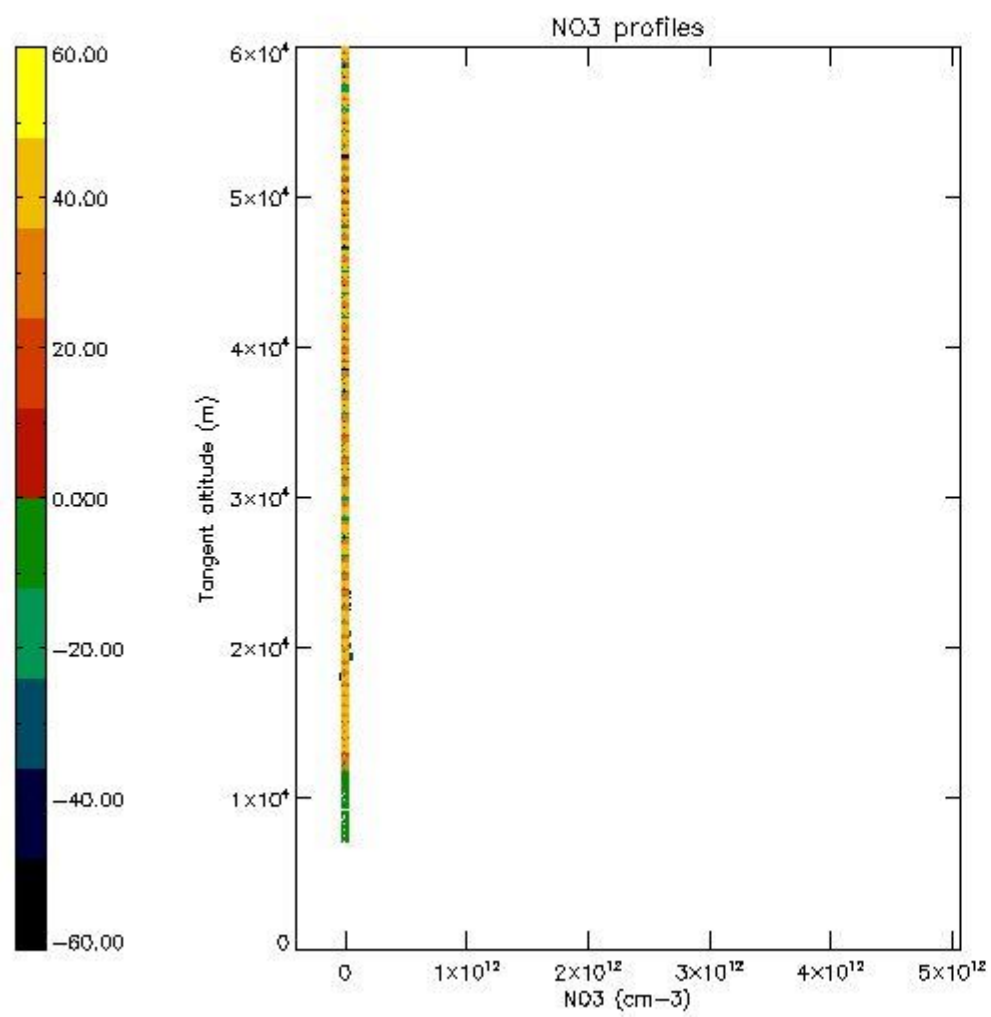
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

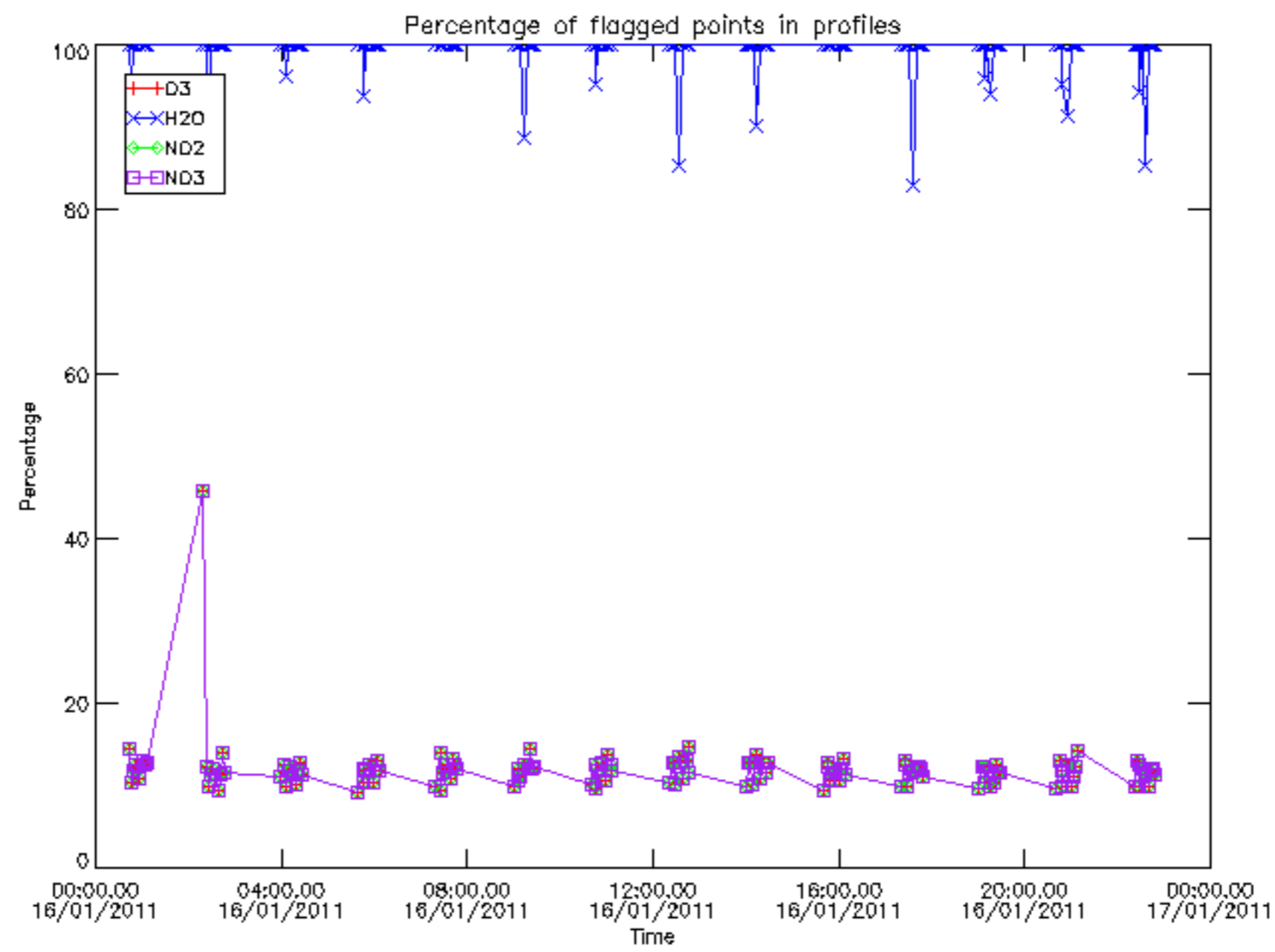
The colorbar represents the latitude.



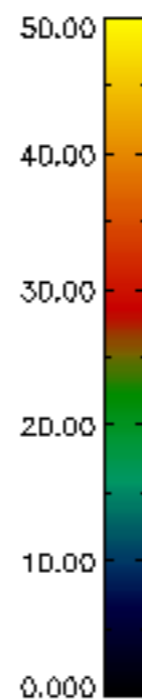
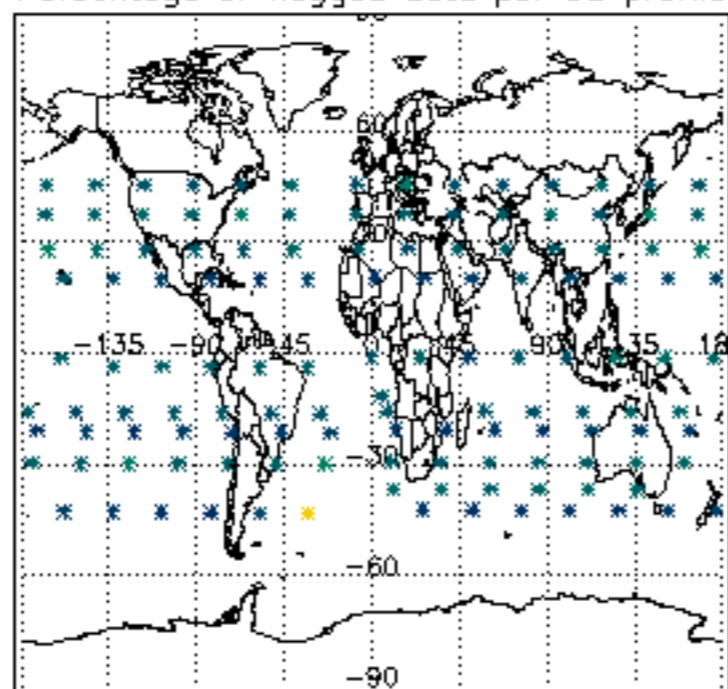
6. Auxiliary Data Files used for the production reported in section 2

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.

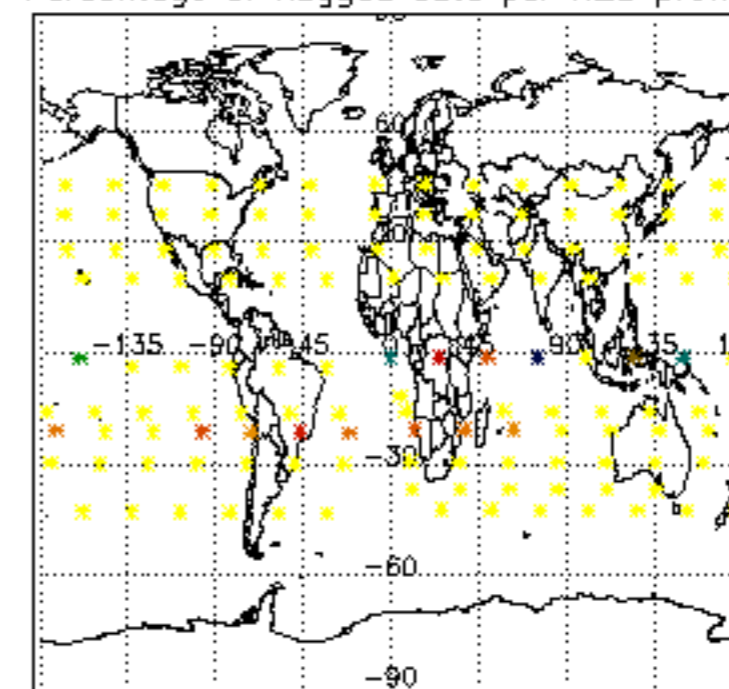
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-JAN-2011 00:07:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-JAN-2011 00:07:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-JAN-2011 00:07:14



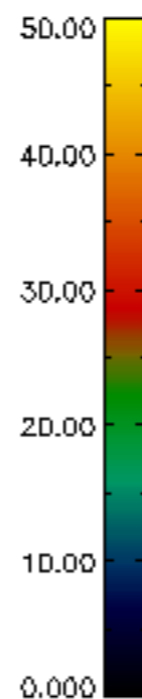
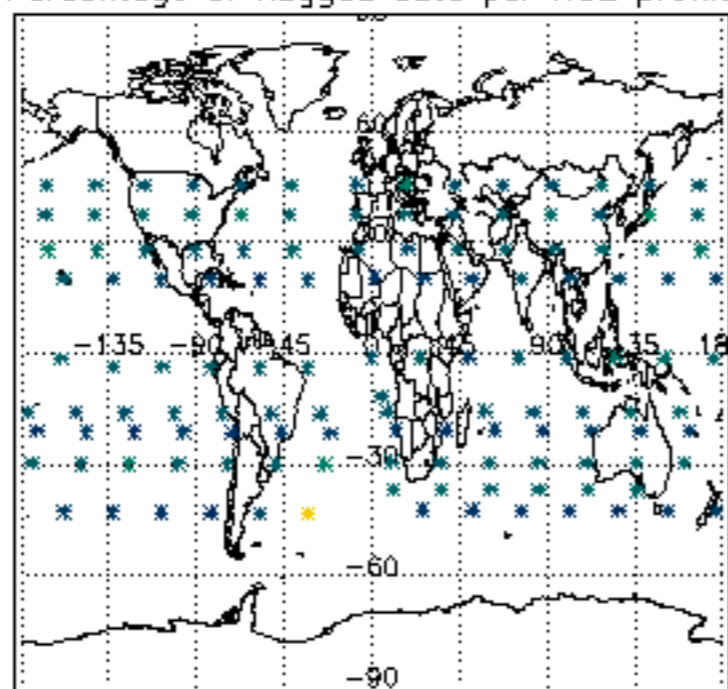
Percentage of flagged data per D3 profile



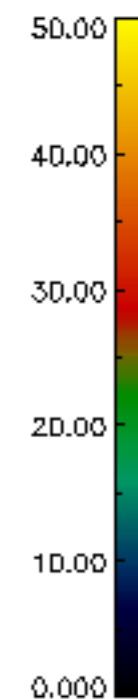
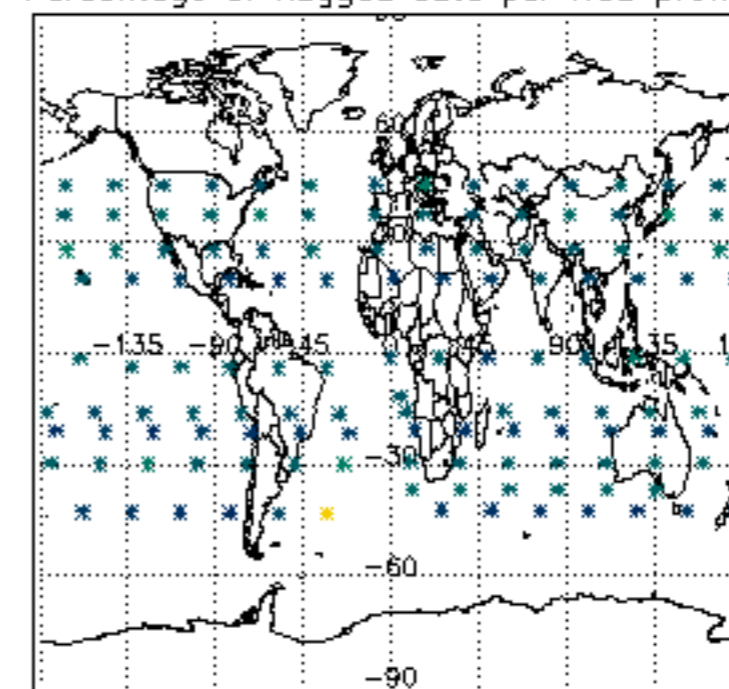
Percentage of flagged data per H2O profile

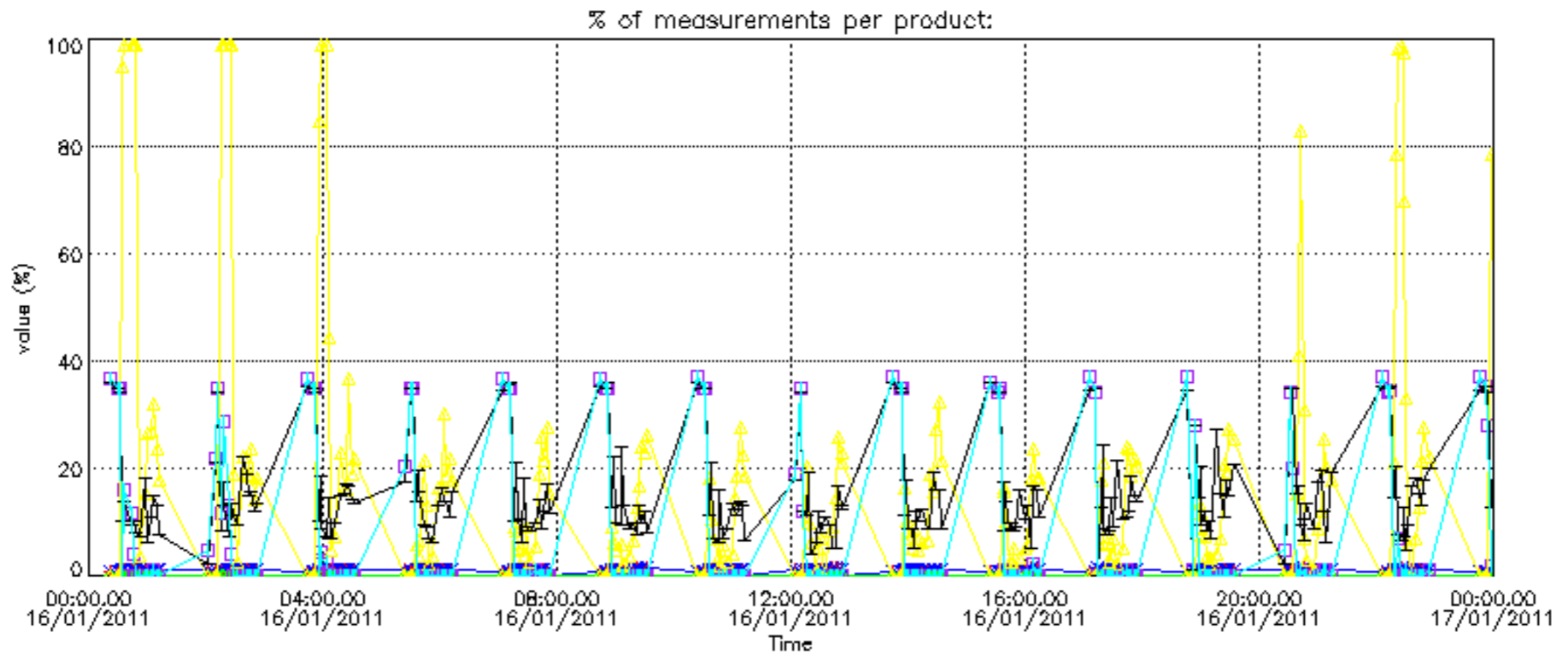


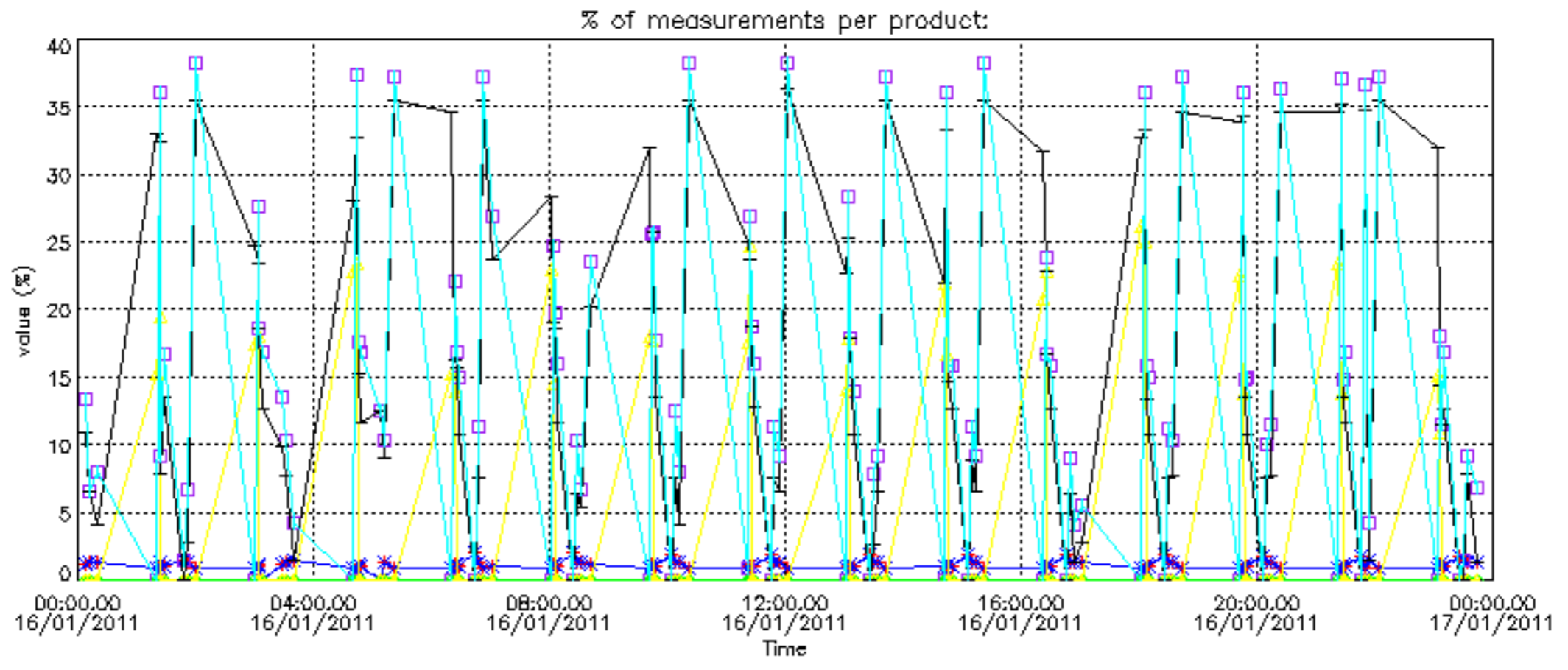
Percentage of flagged data per NO2 profile



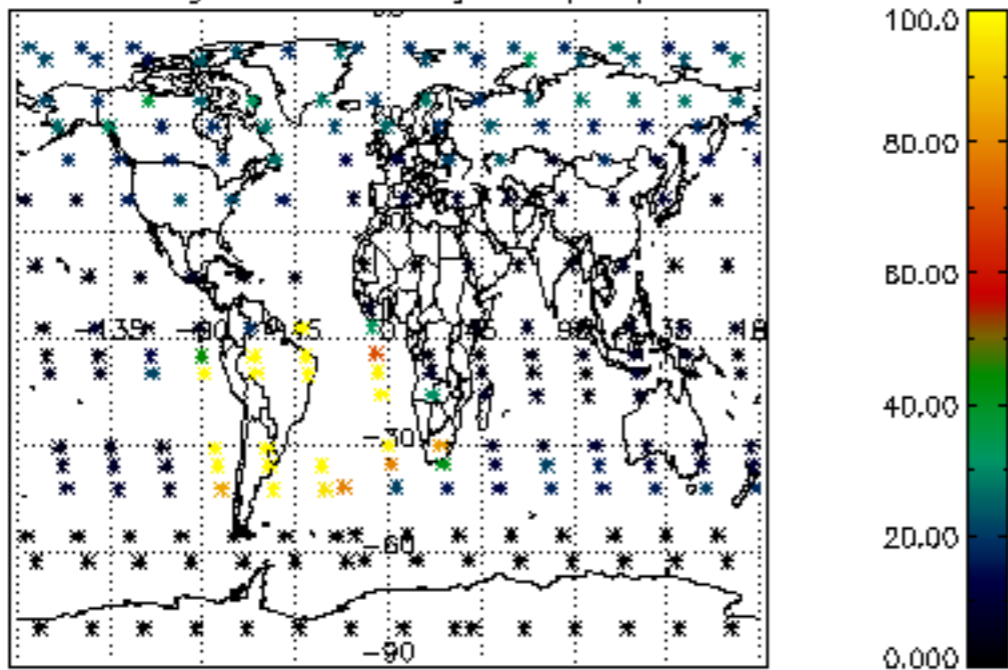
Percentage of flagged data per NO3 profile



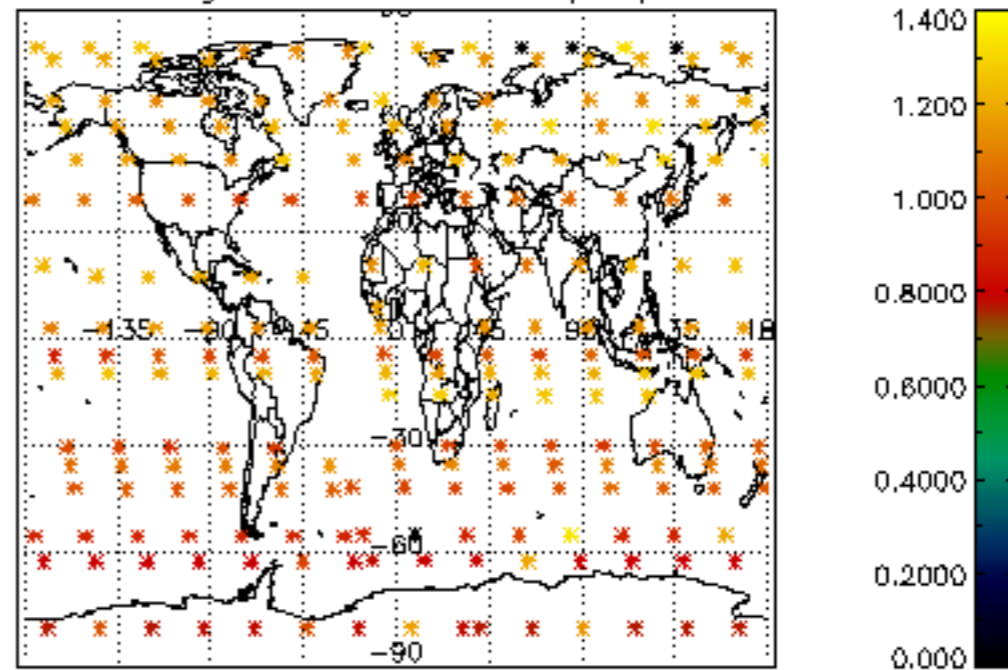




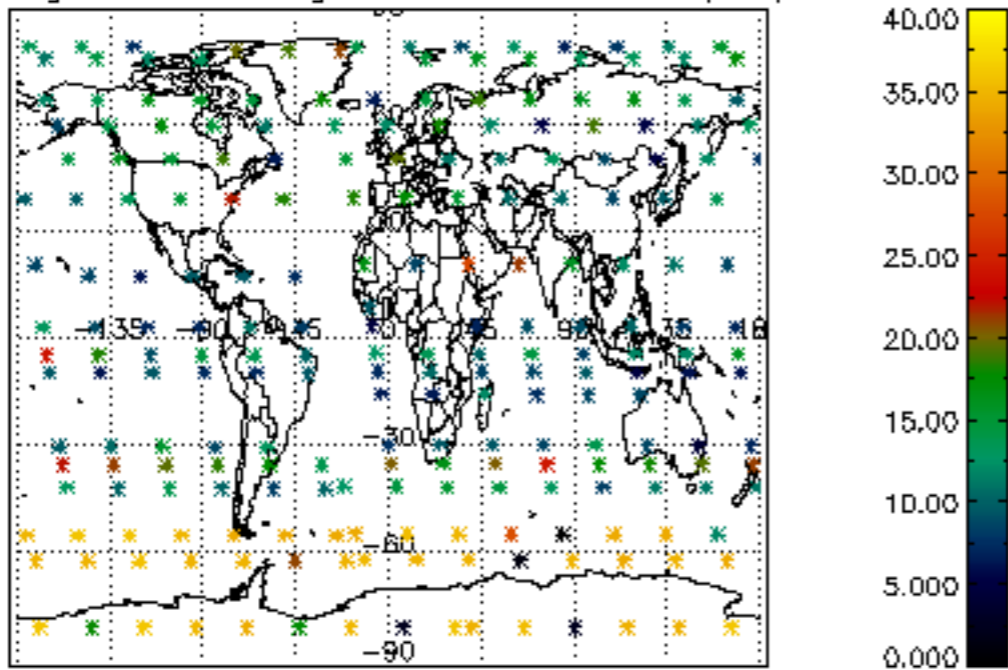
Percentage of cosmic ray hits per profile



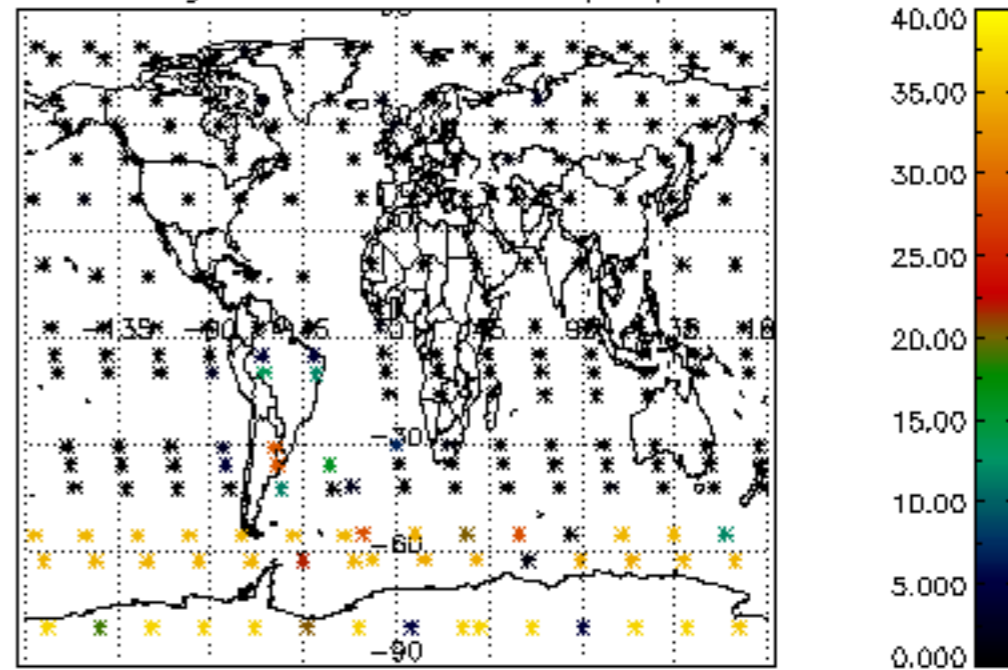
Percentage of datation errors per profile



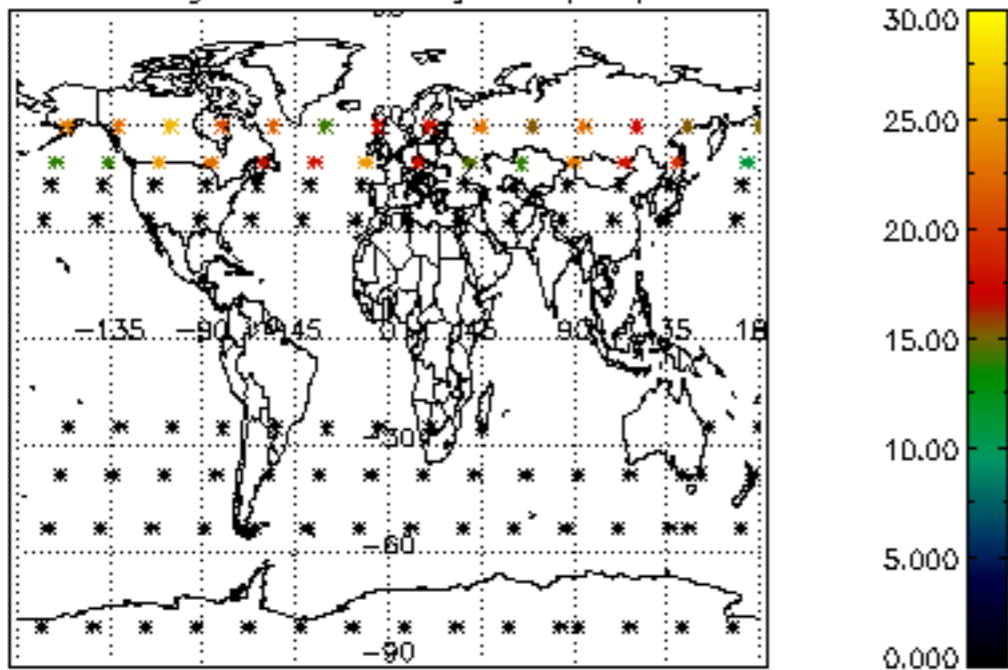
Percentage of star falling outside central band per profile



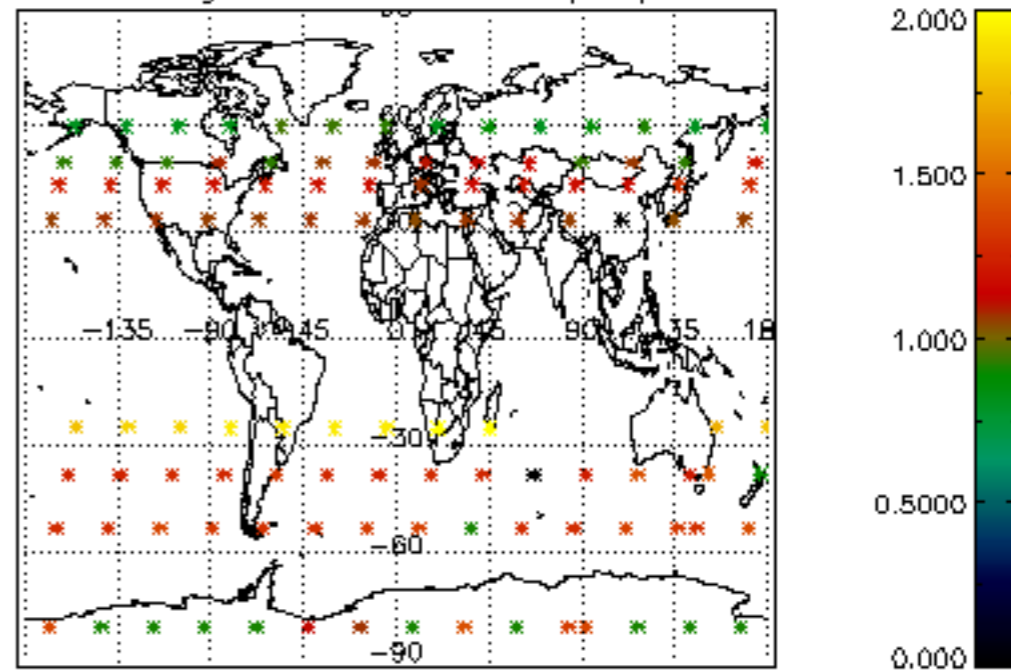
Percentage of saturation errors per profile



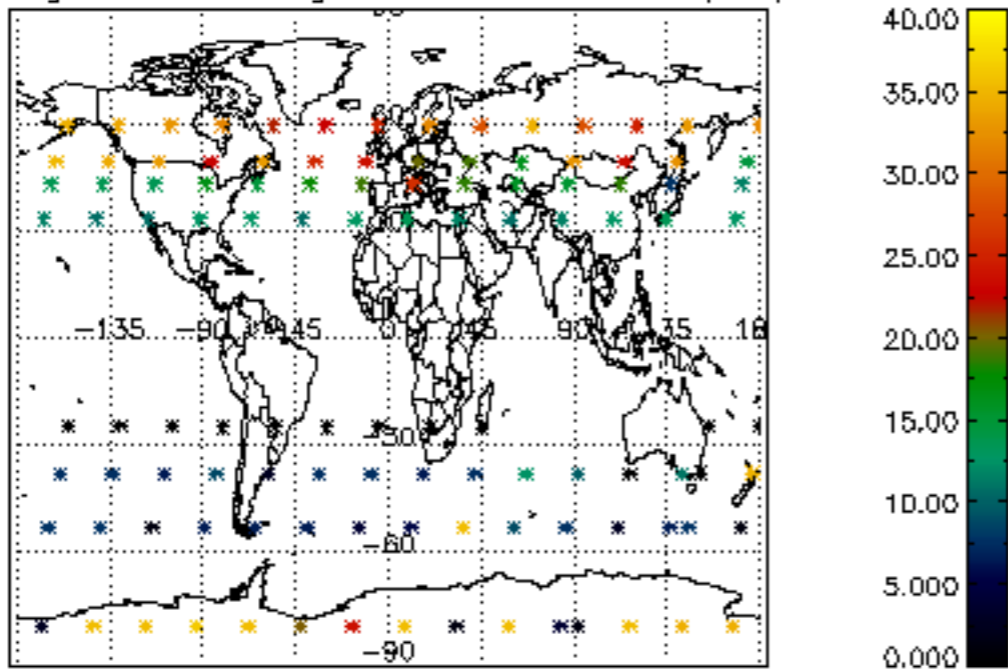
Percentage of cosmic ray hits per profile



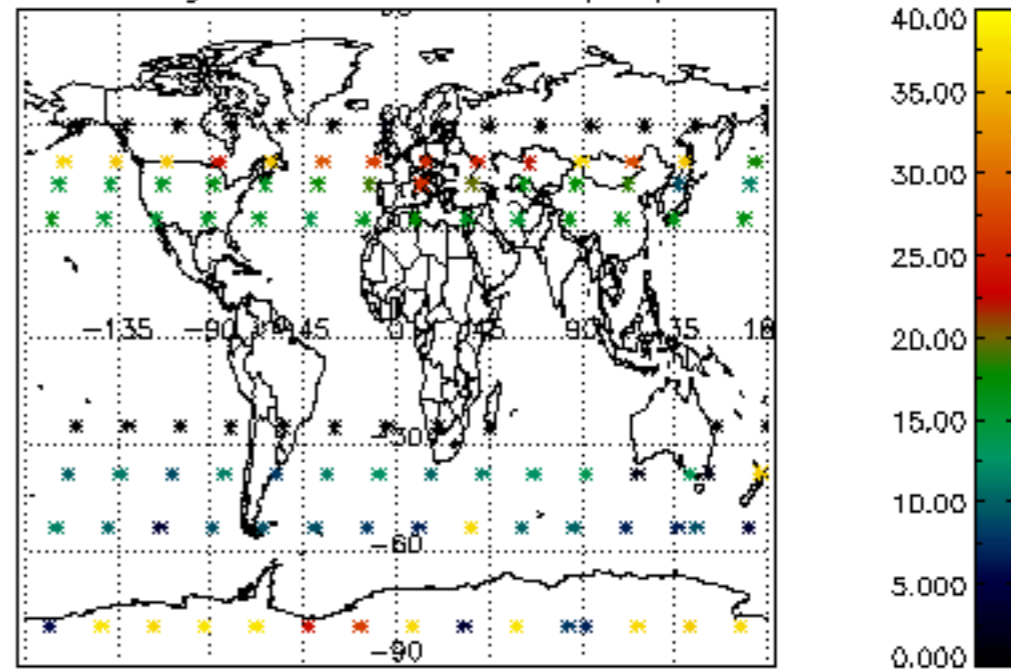
Percentage of datation errors per profile

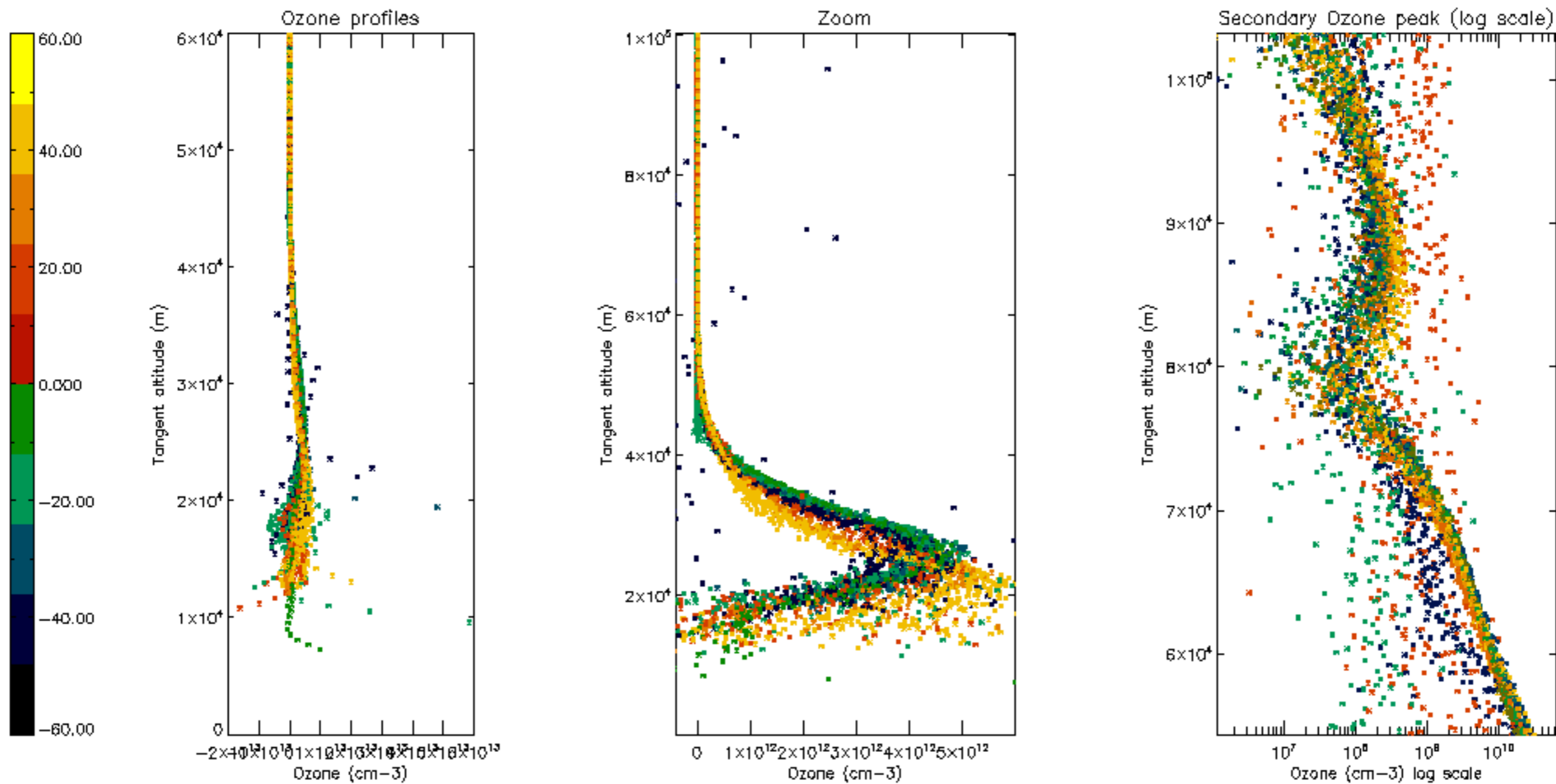


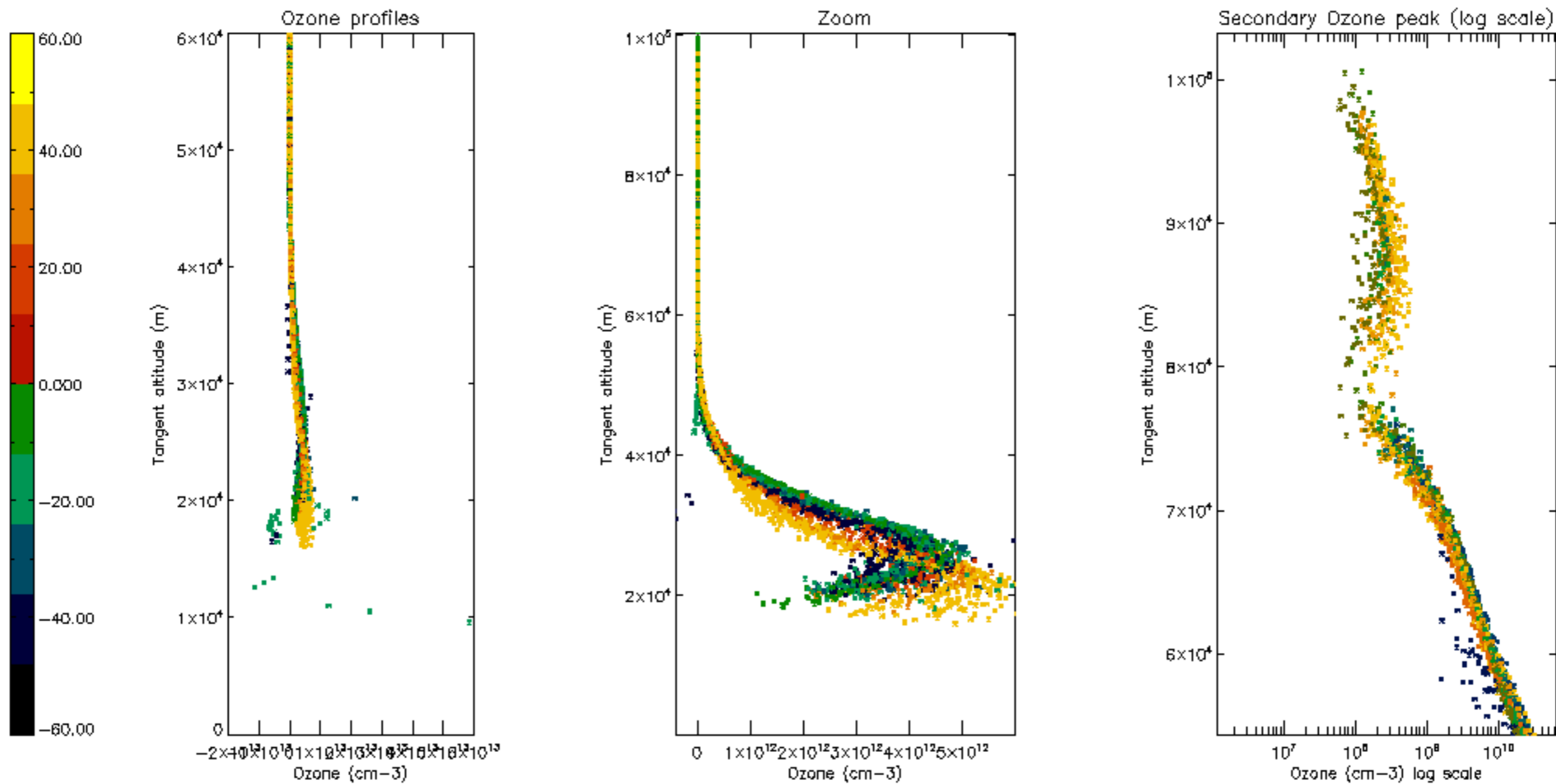
Percentage of star falling outside central band per profile

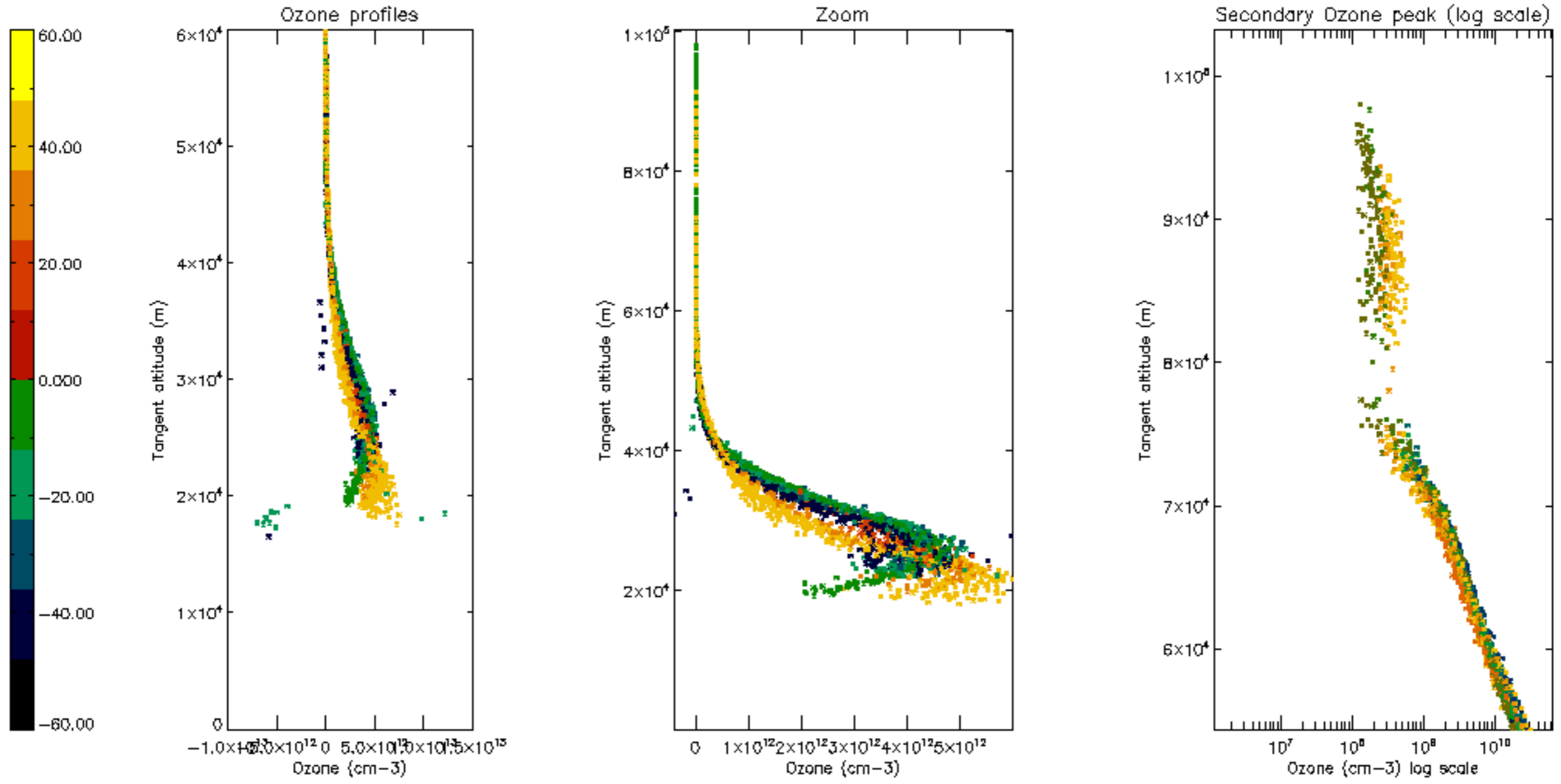


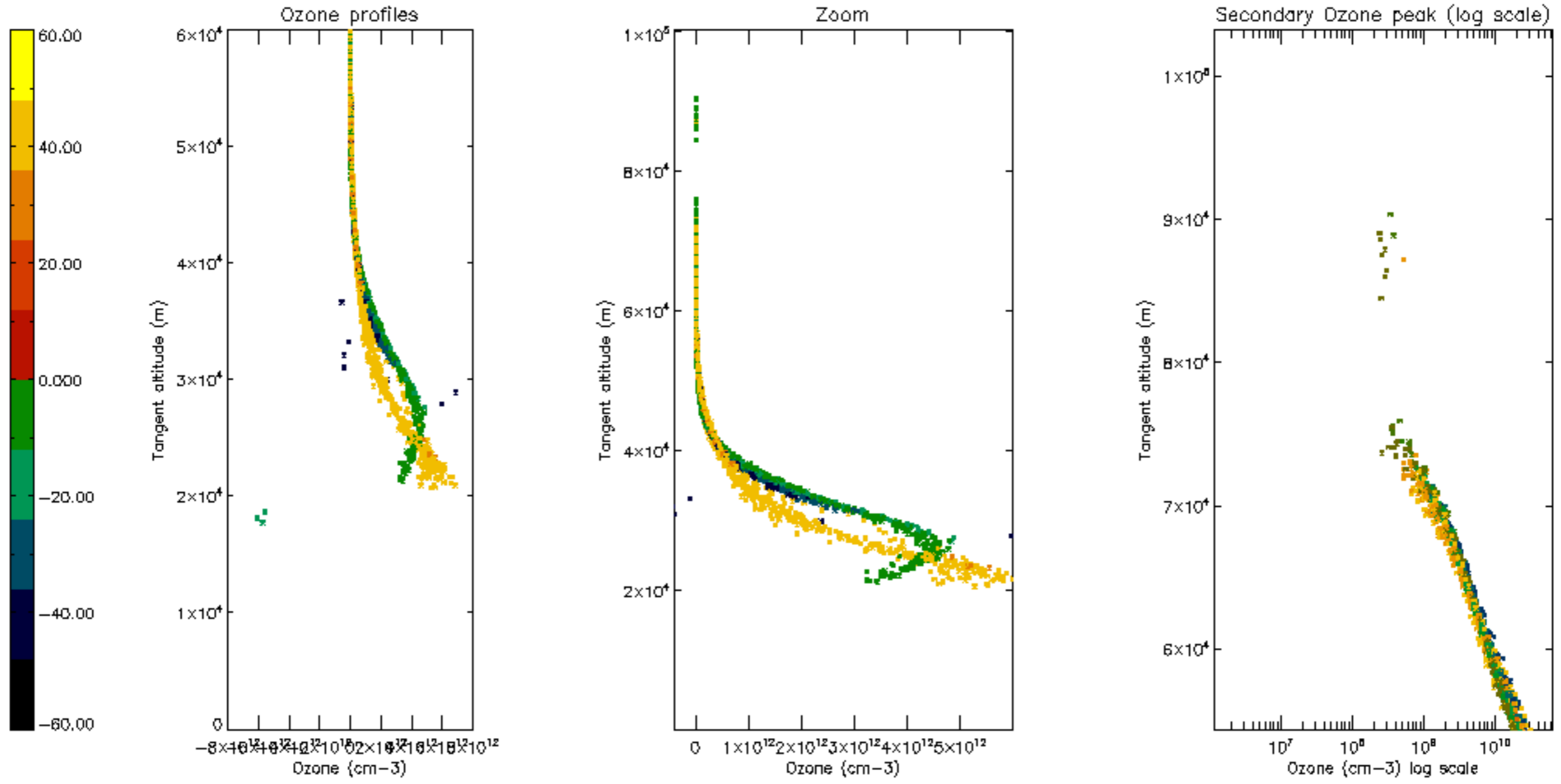
Percentage of saturation errors per profile

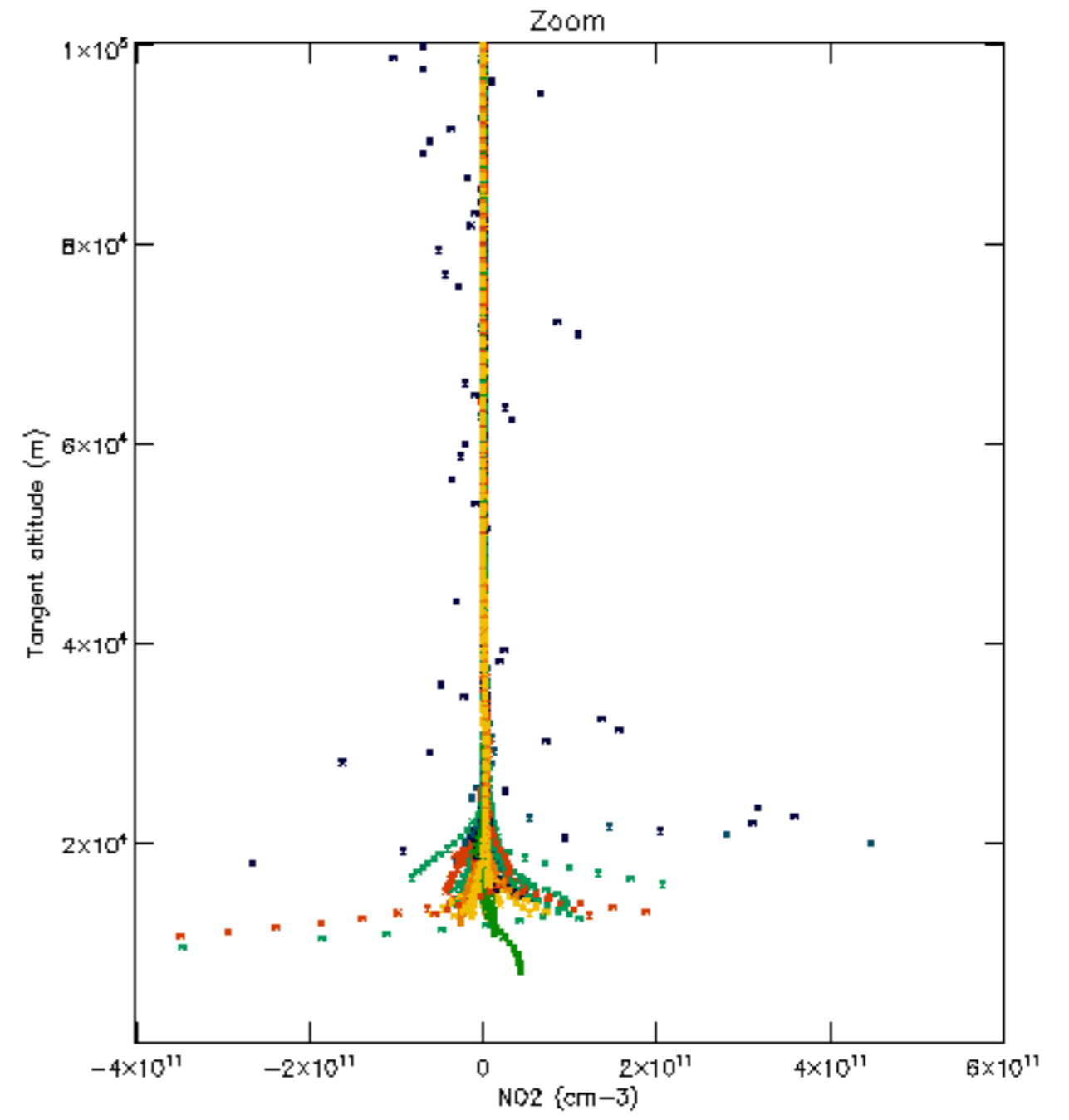
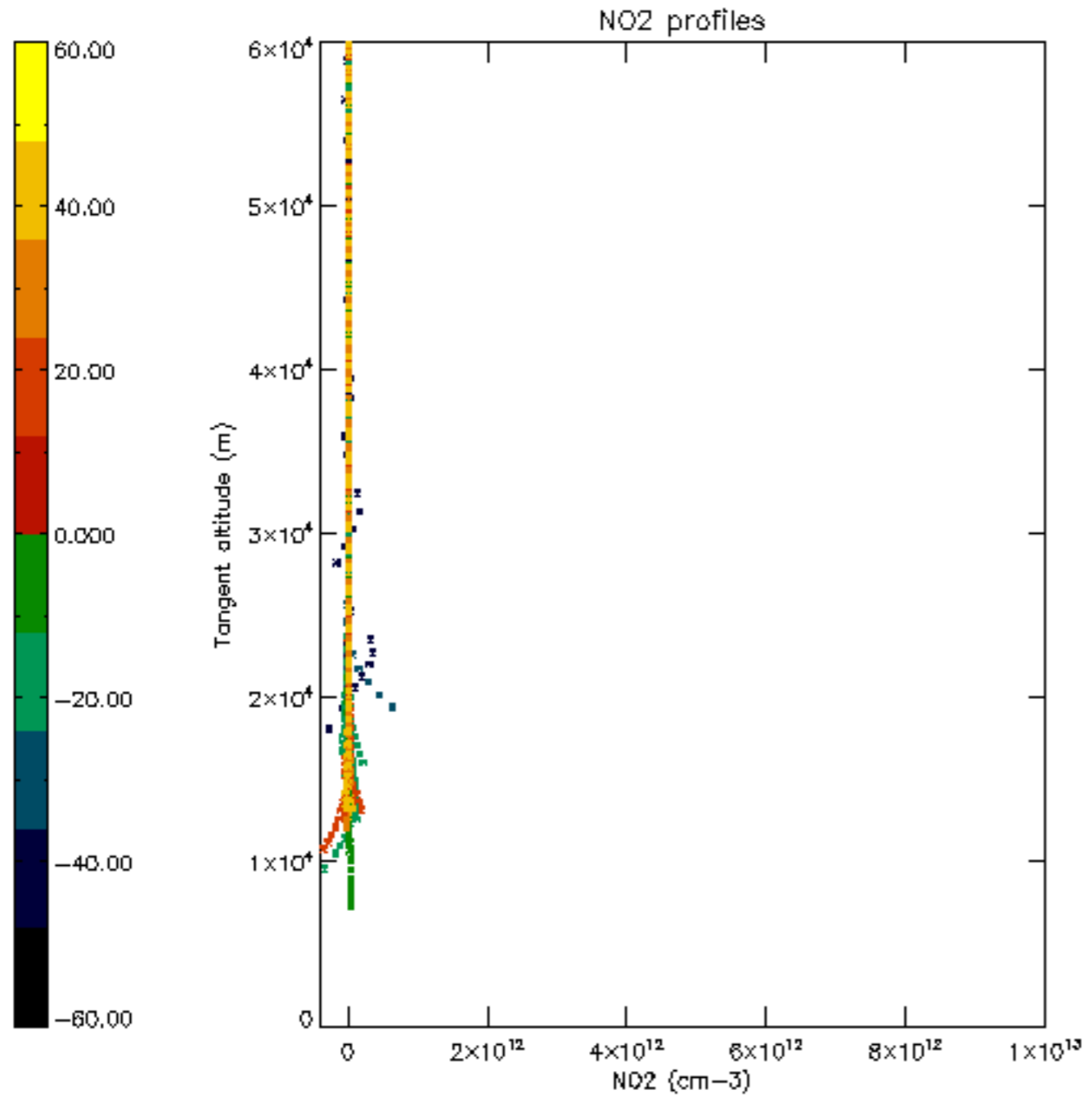


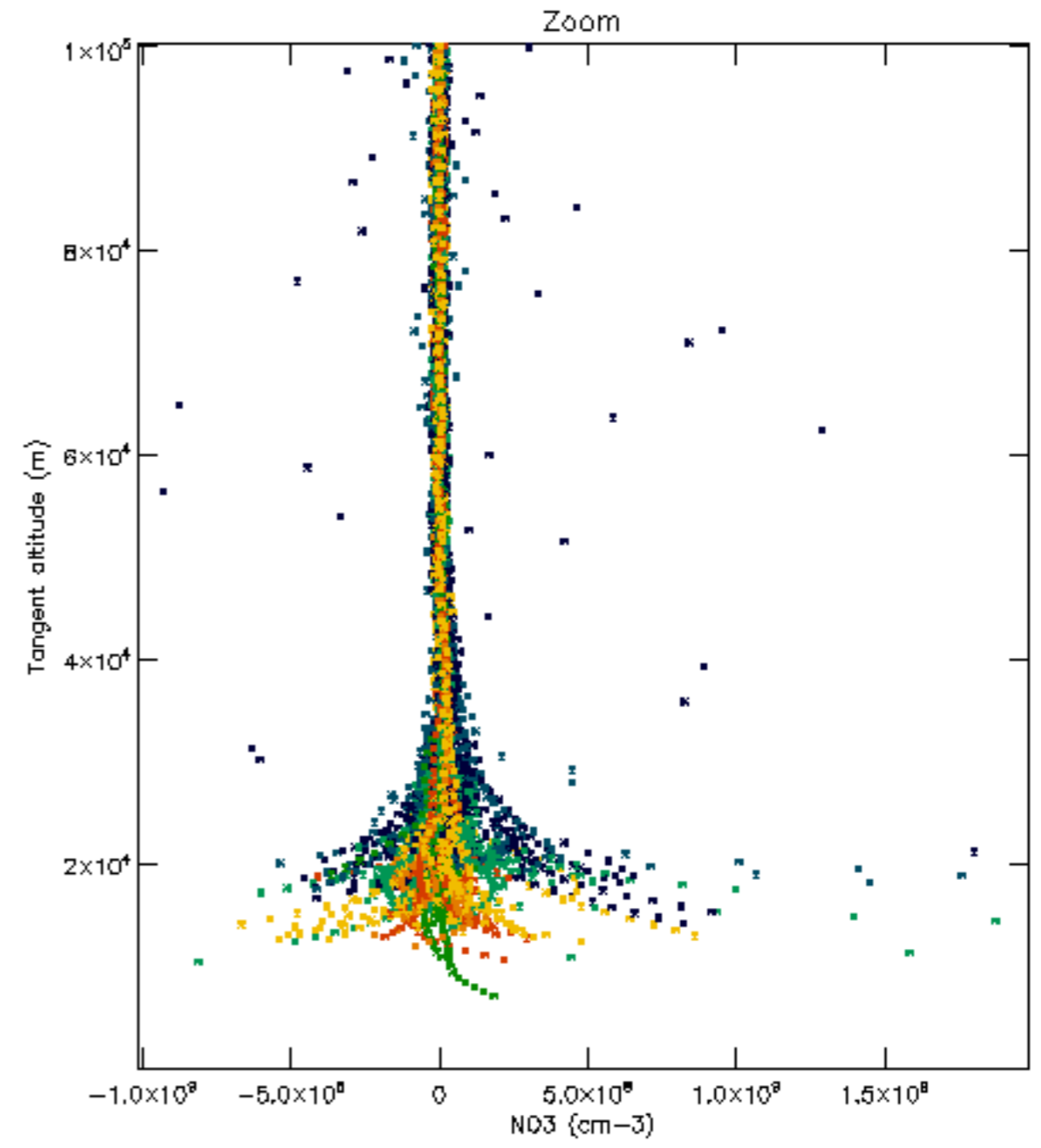
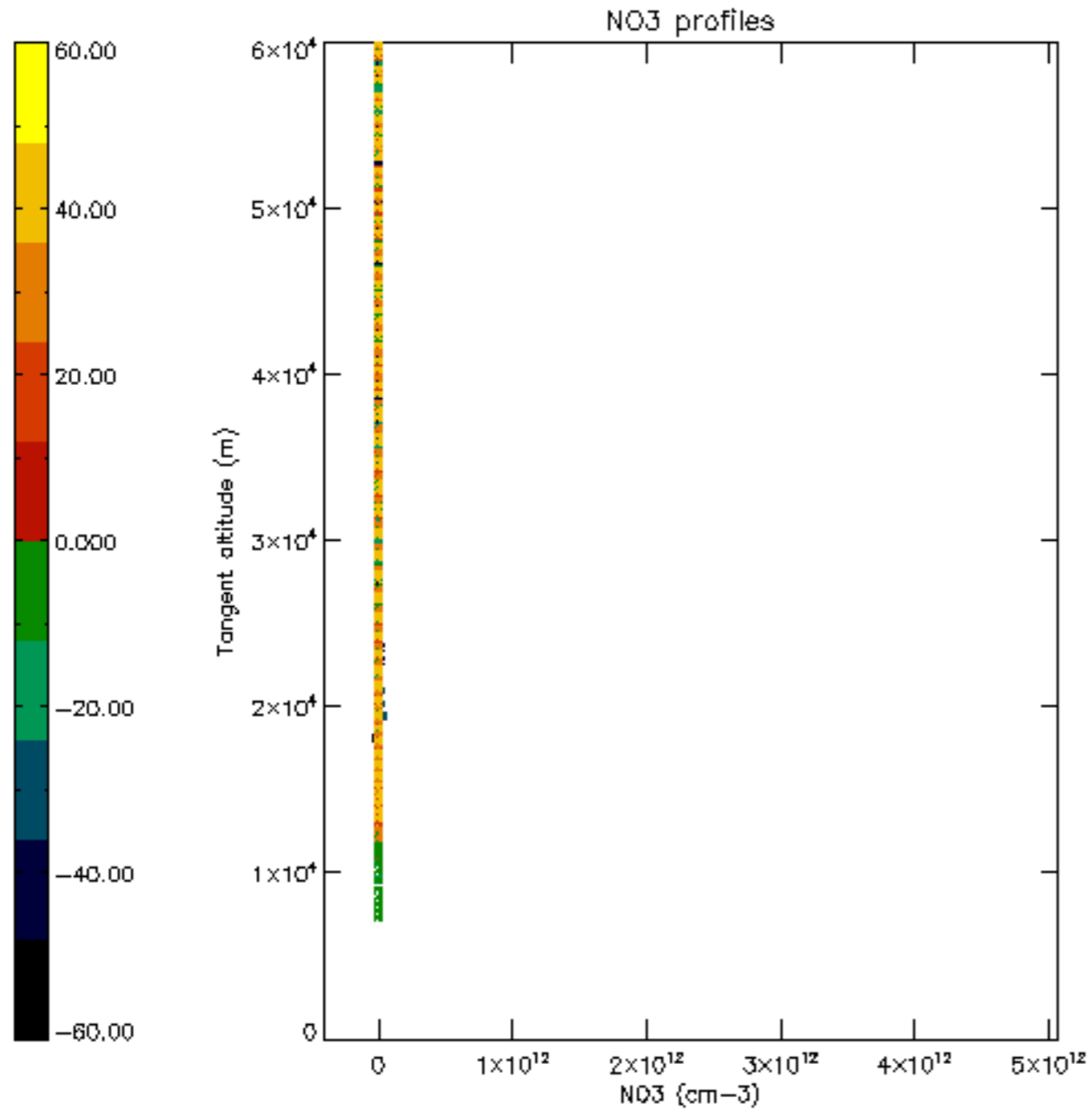


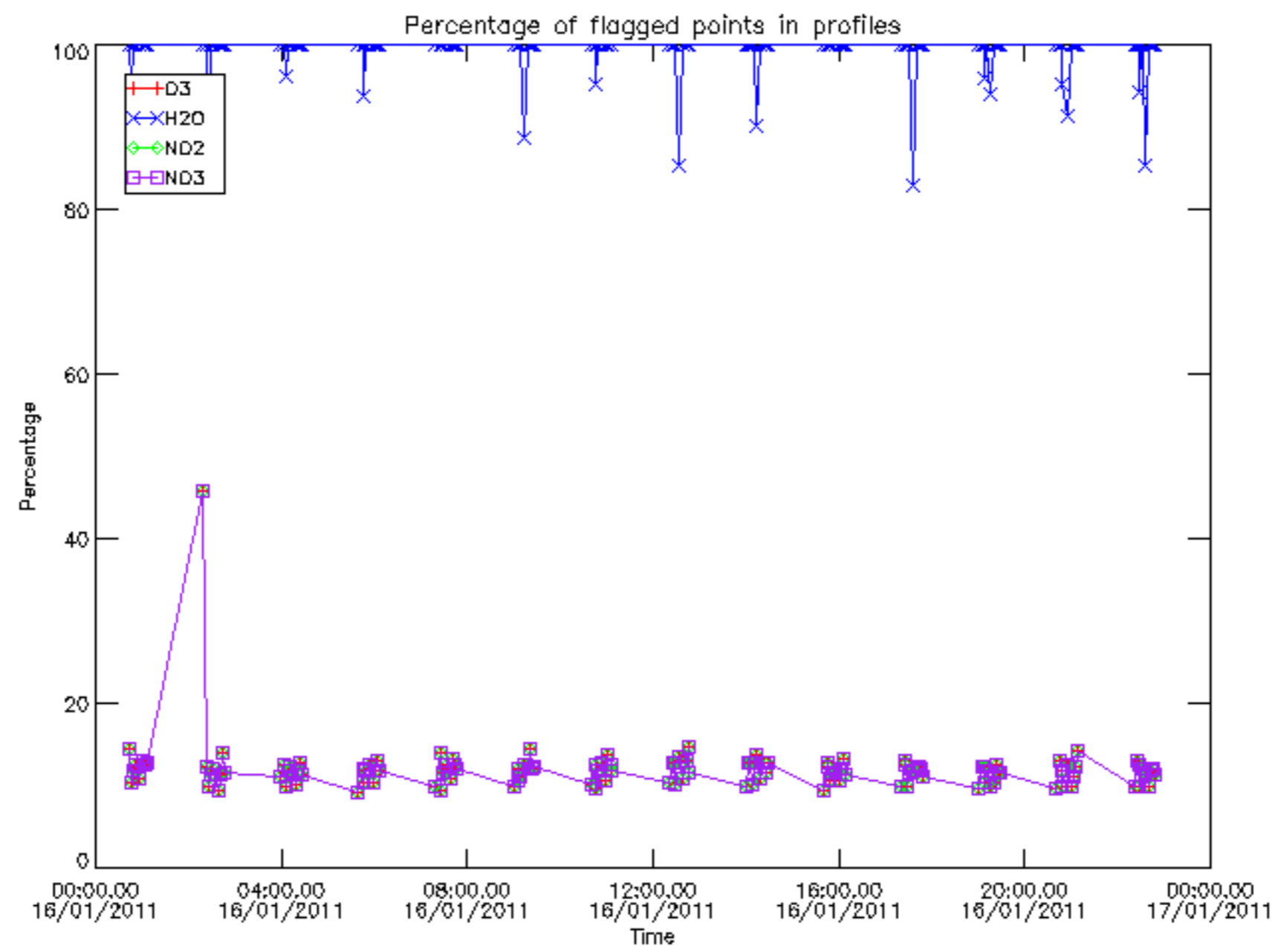




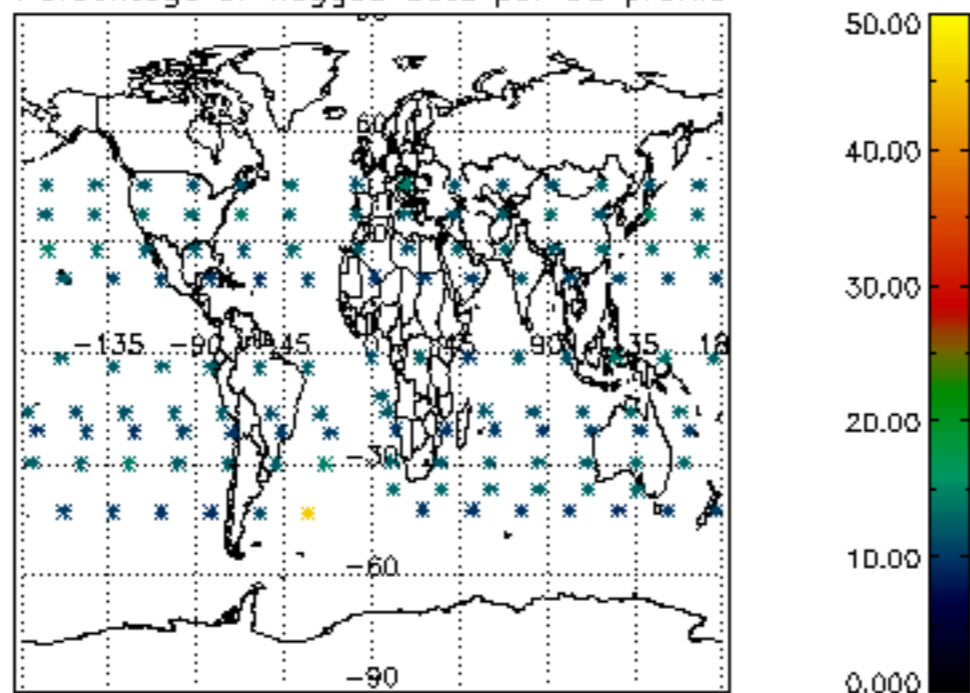




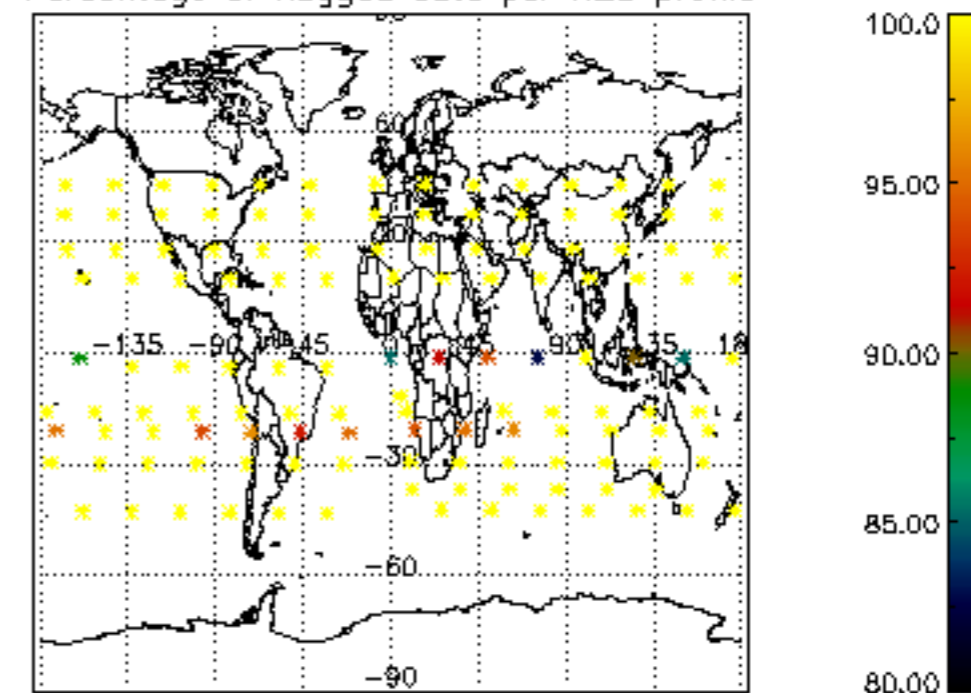




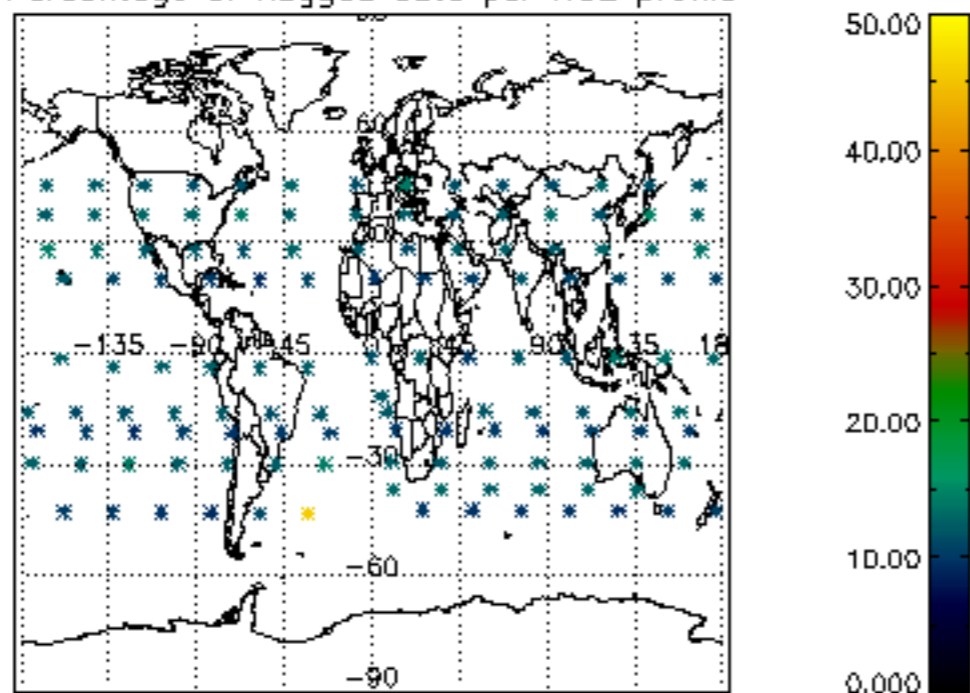
Percentage of flagged data per D3 profile



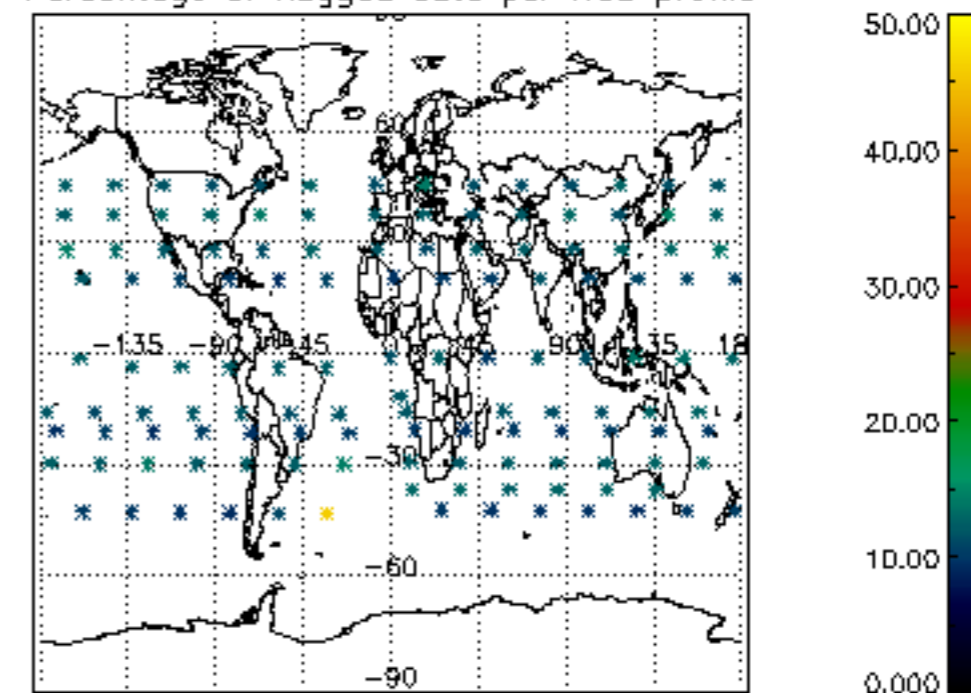
Percentage of flagged data per H2O profile

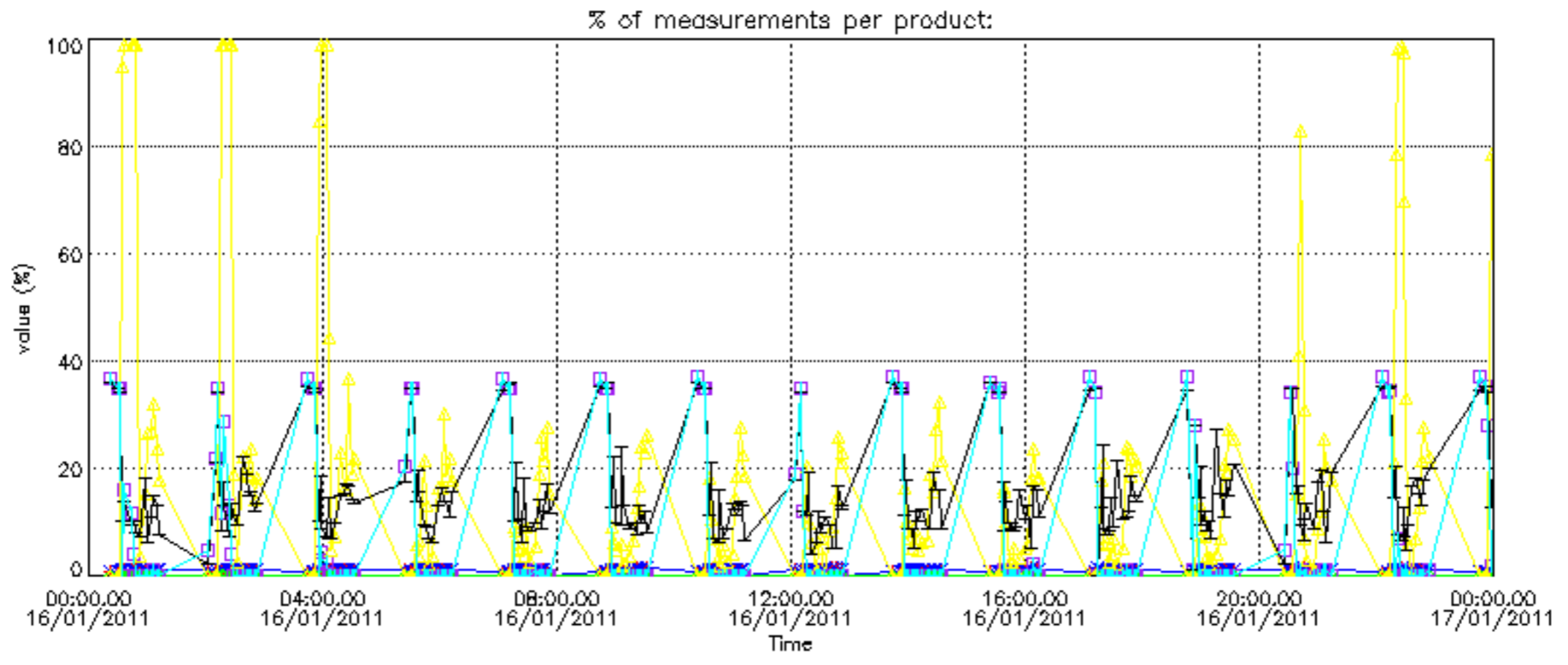


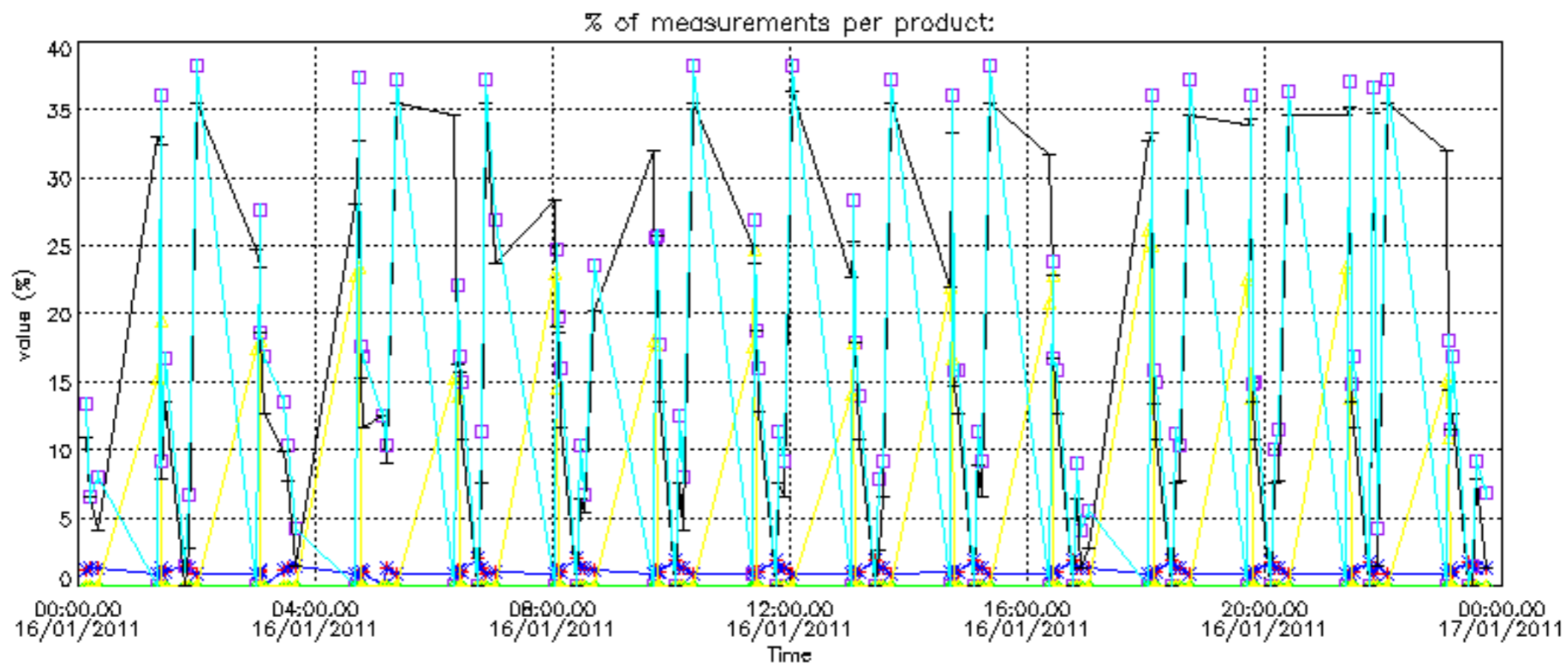
Percentage of flagged data per NO2 profile



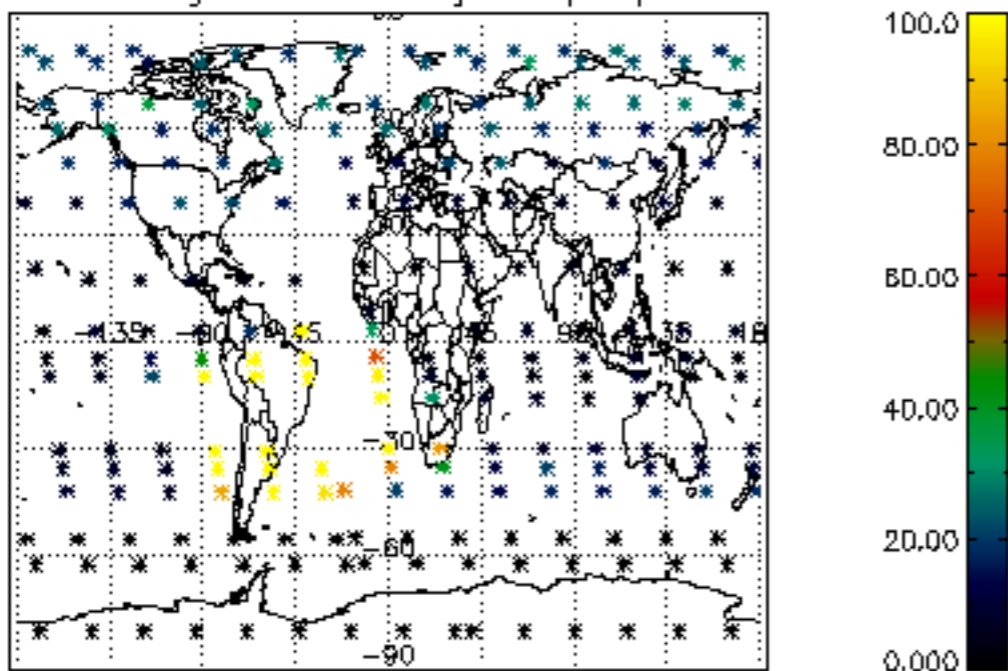
Percentage of flagged data per NO3 profile



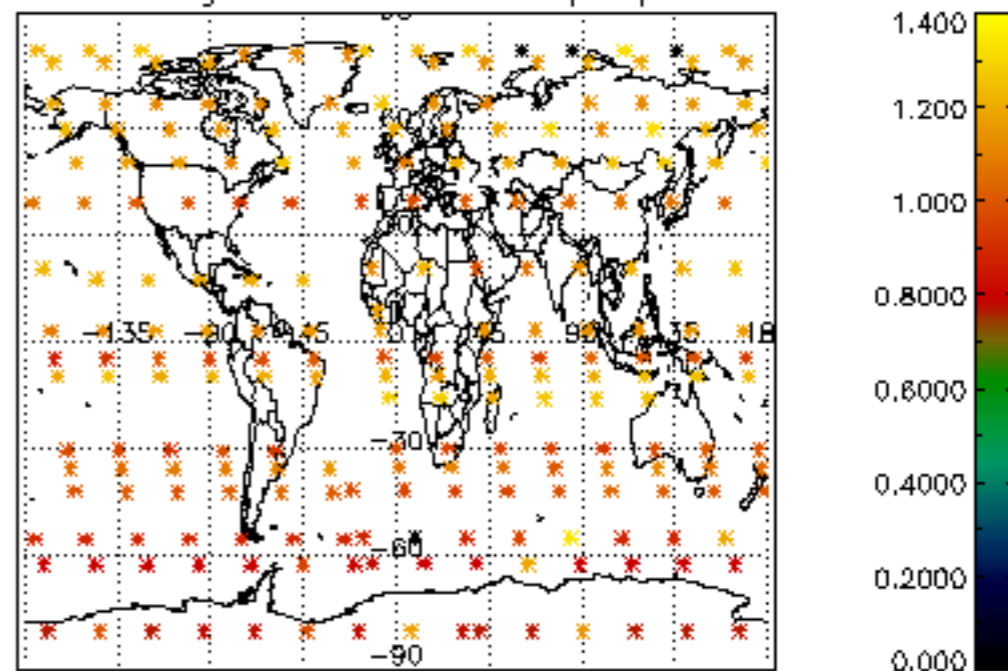




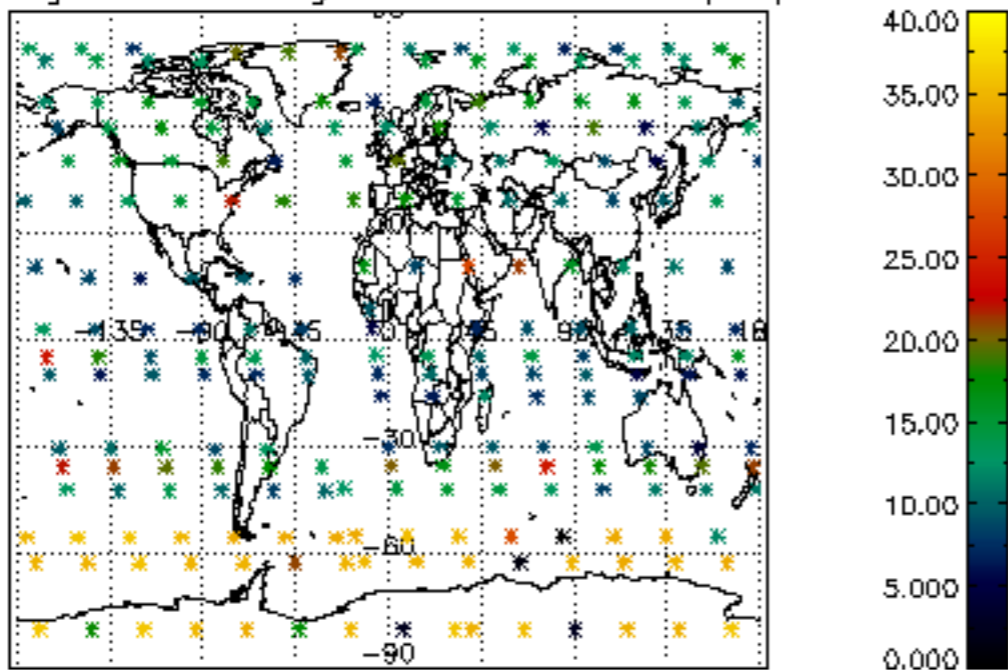
Percentage of cosmic ray hits per profile



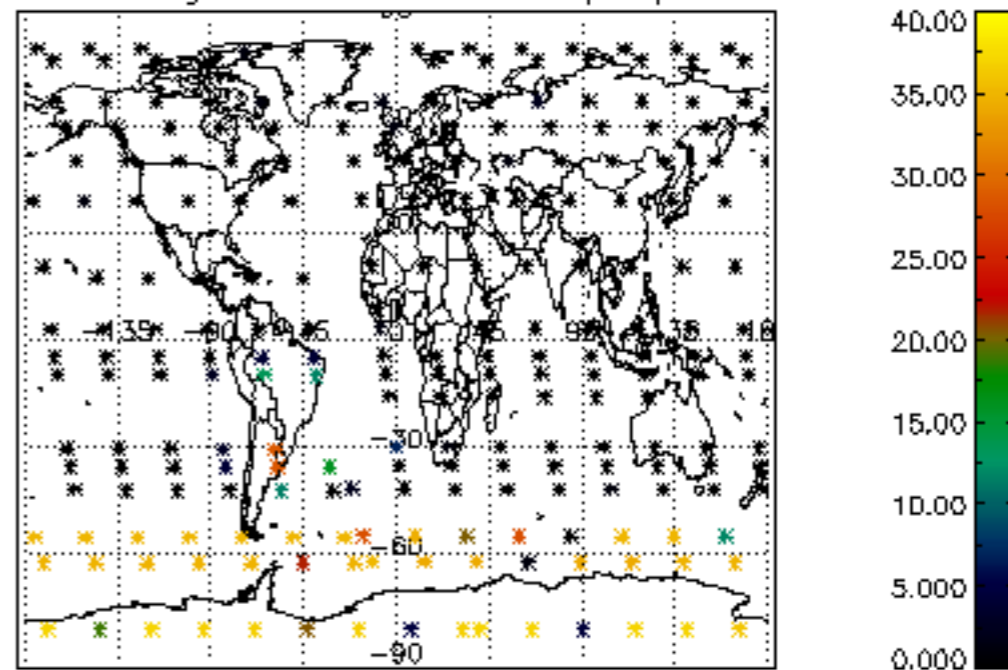
Percentage of datation errors per profile



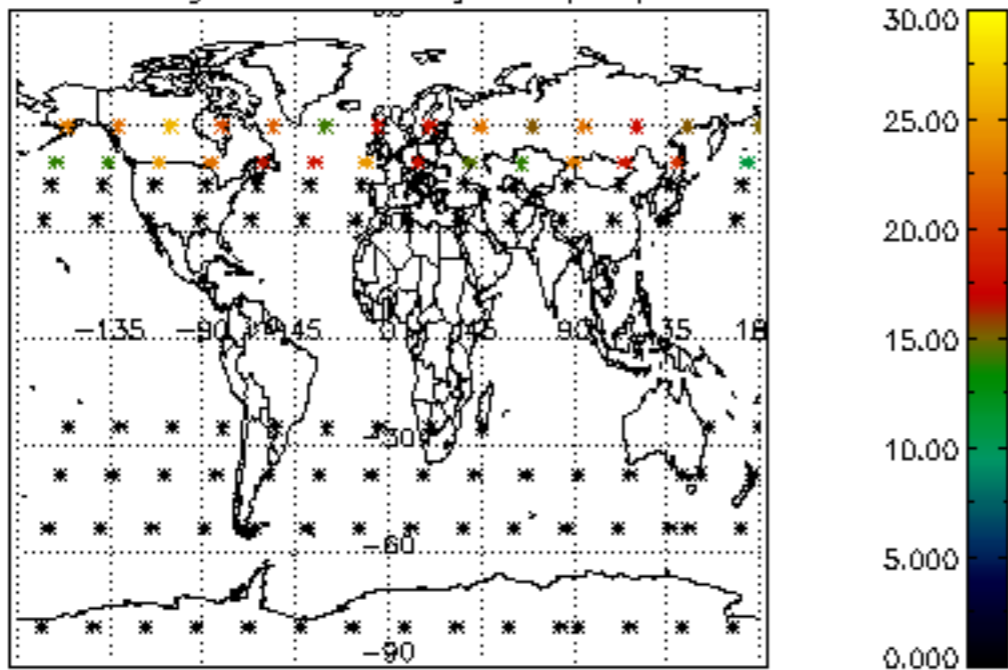
Percentage of star falling outside central band per profile



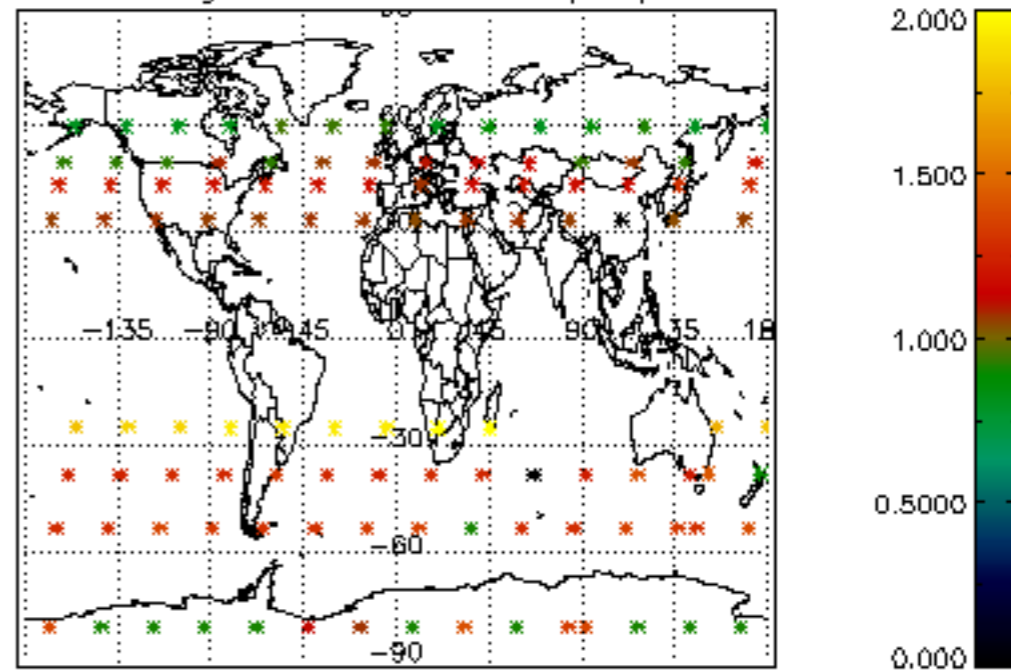
Percentage of saturation errors per profile



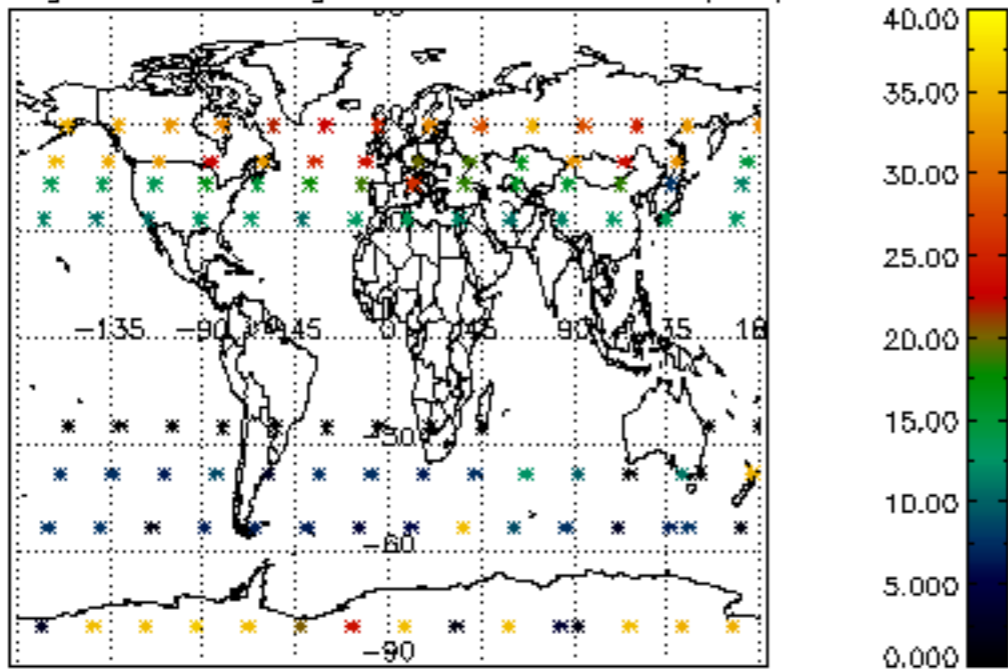
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

