

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	22APR2013 17:24:57
Data source version	GOMOS/6.01
Start time of products	15-03-2007 (15MAR2007 00:00:00)
Stop time of products	16-03-2007 (16MAR2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	226
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

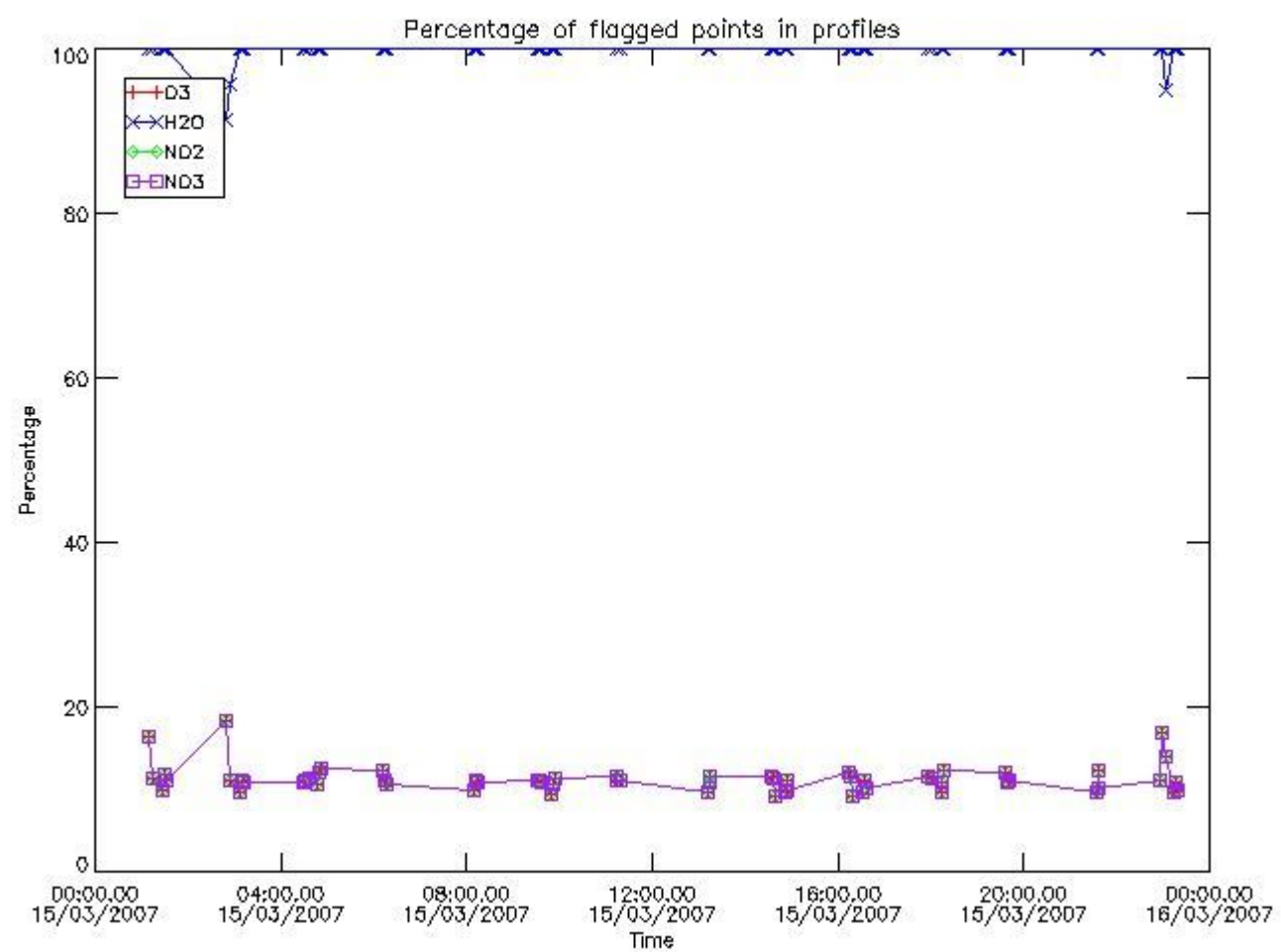
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070315_000038_00000572056_00231_26337_0651.N1	15-MAR-2007 00:00:38	Straylight	57.000	106	9Bet Crv	2.6480	5600.0	114	26337	No
2	GOM_NL__2PRFIN20070315_000301_00000522056_00231_26337_0652.N1	15-MAR-2007 00:03:01	Straylight	51.500	100	4Gam Crv	2.5800	13100.	103	26337	No
3	GOM_NL__2PRFIN20070315_001426_00000482056_00231_26337_0653.N1	15-MAR-2007 00:14:26	Bright	48.000	62	94Bet Leo	2.1360	9700.0	96	26337	No
4	GOM_NL__2PRFIN20070315_002236_00000402056_00231_26337_0654.N1	15-MAR-2007 00:22:36	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	26337	No
5	GOM_NL__2PRFIN20070315_002545_00000382056_00231_26337_0655.N1	15-MAR-2007 00:25:45	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	26337	No
6	GOM_NL__2PRFIN20070315_002714_00000402056_00231_26337_0656.N1	15-MAR-2007 00:27:14	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	26337	No
7	GOM_NL__2PRFIN20070315_002900_00000472056_00231_26337_0657.N1	15-MAR-2007 00:29:00	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	26337	No
8	GOM_NL__2PRFIN20070315_003421_00000372056_00231_26337_0658.N1	15-MAR-2007 00:34:21	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	26337	No
9	GOM_NL__2PRFIN20070315_003831_00000482056_00231_26337_0659.N1	15-MAR-2007 00:38:31	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	26337	No
10	GOM_NL__2PRFIN20070315_004421_00000282056_00231_26337_0660.N1	15-MAR-2007 00:44:21	Twi_and_stray	28.000	69	33Gam Dra	2.2310	3800.0	56	26337	No
11	GOM_NL__2PRFIN20070315_004734_00000382056_00231_26337_0661.N1	15-MAR-2007 00:47:34	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	26337	No
12	GOM_NL__2PRFIN20070315_004859_00000362056_00231_26337_0662.N1	15-MAR-2007 00:48:59	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	26337	No
13	GOM_NL__2PRFIN20070315_005855_00000532056_00231_26337_0663.N1	15-MAR-2007 00:58:55	Twi_and_stray	52.500	11	53Alp Aql	0.76500	8000.0	105	26337	No
14	GOM_NL__2PRFIN20070315_010858_00000442056_00231_26337_0664.N1	15-MAR-2007 01:08:58	Dark	43.500	155	41Pi Sgr	2.9000	6600.0	87	26337	No
15	GOM_NL__2PRFIN20070315_011425_00000502056_00231_26337_0665.N1	15-MAR-2007 01:14:25	Dark	49.500	38	20Eps Sgr	1.8360	11000.	99	26337	No
16	GOM_NL__2PRFIN20070315_012640_00000522056_00232_26338_0662.N1	15-MAR-2007 01:26:40	Dark	52.000	131	Gam Lup	2.8000	26000.	104	26338	No
17	GOM_NL__2PRFIN20070315_012850_00000472056_00232_26338_0663.N1	15-MAR-2007 01:28:50	Dark	47.000	78	Alp Lup	2.3040	28000.	94	26338	No
18	GOM_NL__2PRFIN20070315_013100_00000462056_00232_26338_0664.N1	15-MAR-2007 01:31:00	Dark	45.500	95	Zet Cen	2.5450	26000.	91	26338	No
19	GOM_NL__2PRFIN20070315_013311_00000412056_00232_26338_0665.N1	15-MAR-2007 01:33:11	Straylight	41.000	64	Gam Cen	2.2000	10600.	82	26338	No
20	GOM_NL__2PRFIN20070315_013519_00000512056_00232_26338_0666.N1	15-MAR-2007 01:35:19	Straylight	51.000	123	lot Cen	2.7500	10200.	102	26338	No
21	GOM_NL__2PRFIN20070315_014115_00000532056_00232_26338_0667.N1	15-MAR-2007 01:41:15	Straylight	52.500	106	9Bet Crv	2.6480	5600.0	105	26338	No
22	GOM_NL__2PRFIN20070315_014337_00000522056_00232_26338_0668.N1	15-MAR-2007 01:43:37	Straylight	51.500	100	4Gam Crv	2.5800	13100.	103	26338	No
23	GOM_NL__2PRFIN20070315_015501_00000482056_00232_26338_0669.N1	15-MAR-2007 01:55:01	Bright	47.500	62	94Bet Leo	2.1360	9700.0	95	26338	No
24	GOM_NL__2PRFIN20070315_020312_00000402056_00232_26338_0670.N1	15-MAR-2007 02:03:12	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	26338	No
25	GOM_NL__2PRFIN20070315_020621_00000372056_00232_26338_0671.N1	15-MAR-2007 02:06:21	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	26338	No
26	GOM_NL__2PRFIN20070315_020750_00000372056_00232_26338_0672.N1	15-MAR-2007 02:07:50	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26338	No
27	GOM_NL__2PRFIN20070315_020935_00000432056_00232_26338_0673.N1	15-MAR-2007 02:09:35	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	26338	No
28	GOM_NL__2PRFIN20070315_021456_00000382056_00232_26338_0674.N1	15-MAR-2007 02:14:56	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	26338	No
29	GOM_NL__2PRFIN20070315_021906_00000482056_00232_26338_0675.N1	15-MAR-2007 02:19:06	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	26338	No
30	GOM_NL__2PRFIN20070315_022810_00000382056_00232_26338_0676.N1	15-MAR-2007 02:28:10	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	26338	No
31	GOM_NL__2PRFIN20070315_022935_00000362056_00232_26338_0677.N1	15-MAR-2007 02:29:35	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	26338	No
32	GOM_NL__2PRFIN20070315_023931_00000492056_00232_26338_0678.N1	15-MAR-2007 02:39:31	Twi_and_stray	48.500	11	53Alp Aql	0.76500	8000.0	97	26338	No
33	GOM_NL__2PRFIN20070315_024934_00000472056_00232_26338_0679.N1	15-MAR-2007 02:49:34	Dark	47.000	155	41Pi Sgr	2.9000	6600.0	94	26338	No
34	GOM_NL__2PRFIN20070315_025501_00000462056_00232_26338_0680.N1	15-MAR-2007 02:55:01	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	26338	No
35	GOM_NL__2PRFIN20070315_030717_00000542056_00233_26339_0673.N1	15-MAR-2007 03:07:17	Dark	53.500	131	Gam Lup	2.8000	26000.	107	26339	No
36	GOM_NL__2PRFIN20070315_030927_00000462056_00233_26339_0674.N1	15-MAR-2007 03:09:27	Dark	46.000	78	Alp Lup	2.3040	28000.	92	26339	No
37	GOM_NL__2PRFIN20070315_031137_00000472056_00233_26339_0675.N1	15-MAR-2007 03:11:37	Dark	47.000	95	Zet Cen	2.5450	26000.	94	26339	No
38	GOM_NL__2PRFIN20070315_031347_00000422056_00233_26339_0676.N1	15-MAR-2007 03:13:47	Straylight	41.500	64	Gam Cen	2.2000	10600.	83	26339	No
39	GOM_NL__2PRFIN20070315_031556_00000512056_00233_26339_0677.N1	15-MAR-2007 03:15:56	Straylight	51.000	123	lot Cen	2.7500	10200.	102	26339	No
40	GOM_NL__2PRFIN20070315_032151_00000562056_00233_26339_0678.N1	15-MAR-2007 03:21:51	Straylight	55.500	106	9Bet Crv	2.6480	5600.0	111	26339	No
41	GOM_NL__2PRFIN20070315_032413_00000542056_00233_26339_0679.N1	15-MAR-2007 03:24:13	Straylight	53.500	100	4Gam Crv	2.5800	13100.	107	26339	No
42	GOM_NL__2PRFIN20070315_033537_00000482056_00233_26339_0680.N1	15-MAR-2007 03:35:37	Bright	48.000	62	94Bet Leo	2.1360	9700.0	96	26339	No

220	GOM_NL__2PRFIN20070315_232905_000000552056_00245_26351_0935.N1	15-MAR-2007 23:29:05	Straylight	55.000	106	9Bet Crv	2.6480	5600.0	110	26351	No
221	GOM_NL__2PRFIN20070315_233126_000000512056_00245_26351_0936.N1	15-MAR-2007 23:31:26	Twilight_stray	51.000	100	4Gam Crv	2.5800	13100.	102	26351	No
222	GOM_NL__2PRFIN20070315_234242_000000462056_00245_26351_0937.N1	15-MAR-2007 23:42:42	Bright	45.500	62	94Bet Leo	2.1360	9700.0	91	26351	No
223	GOM_NL__2PRFIN20070315_235054_000000402056_00245_26351_0938.N1	15-MAR-2007 23:50:54	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	26351	No
224	GOM_NL__2PRFIN20070315_235404_000000482056_00245_26351_0939.N1	15-MAR-2007 23:54:04	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	26351	No
225	GOM_NL__2PRFIN20070315_235533_000000392056_00245_26351_0940.N1	15-MAR-2007 23:55:33	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	26351	No
226	GOM_NL__2PRFIN20070315_235713_000000452056_00245_26351_0941.N1	15-MAR-2007 23:57:13	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26351	No

3. Quality information per product

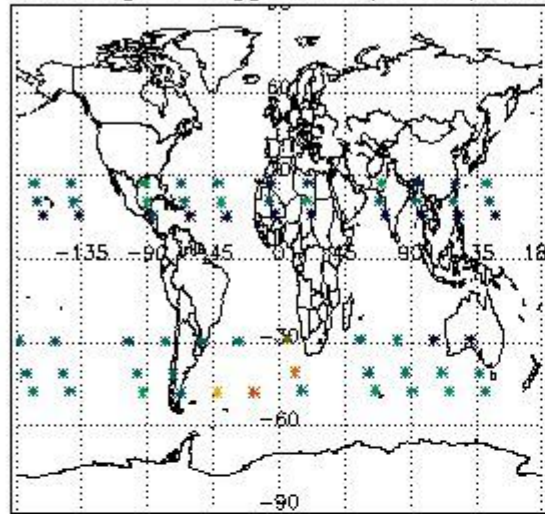
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

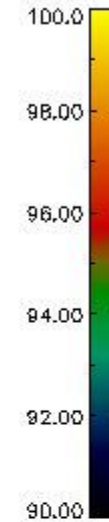
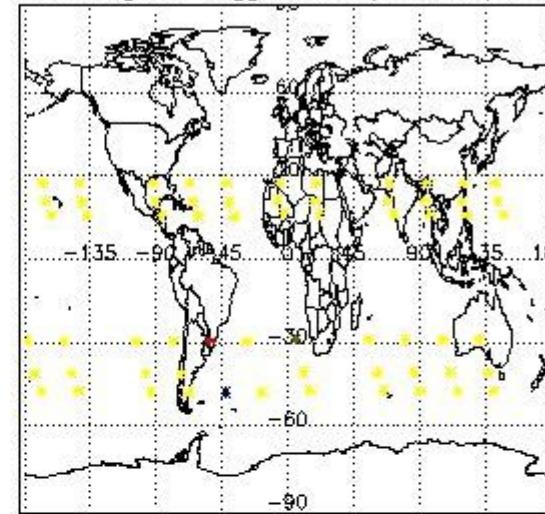


3.2 Plot quality information per product (world map)

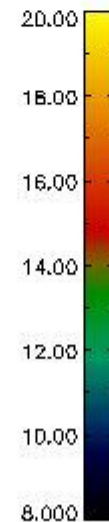
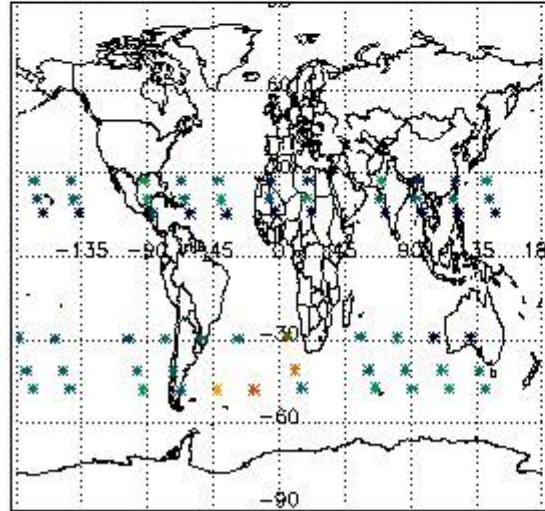
Percentage of flagged data per O3 profile



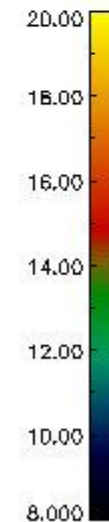
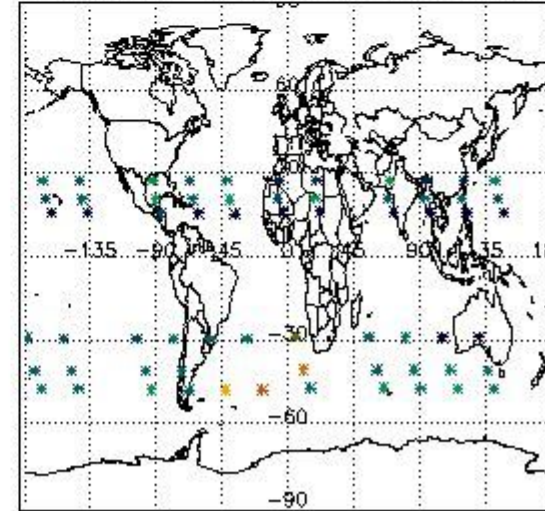
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

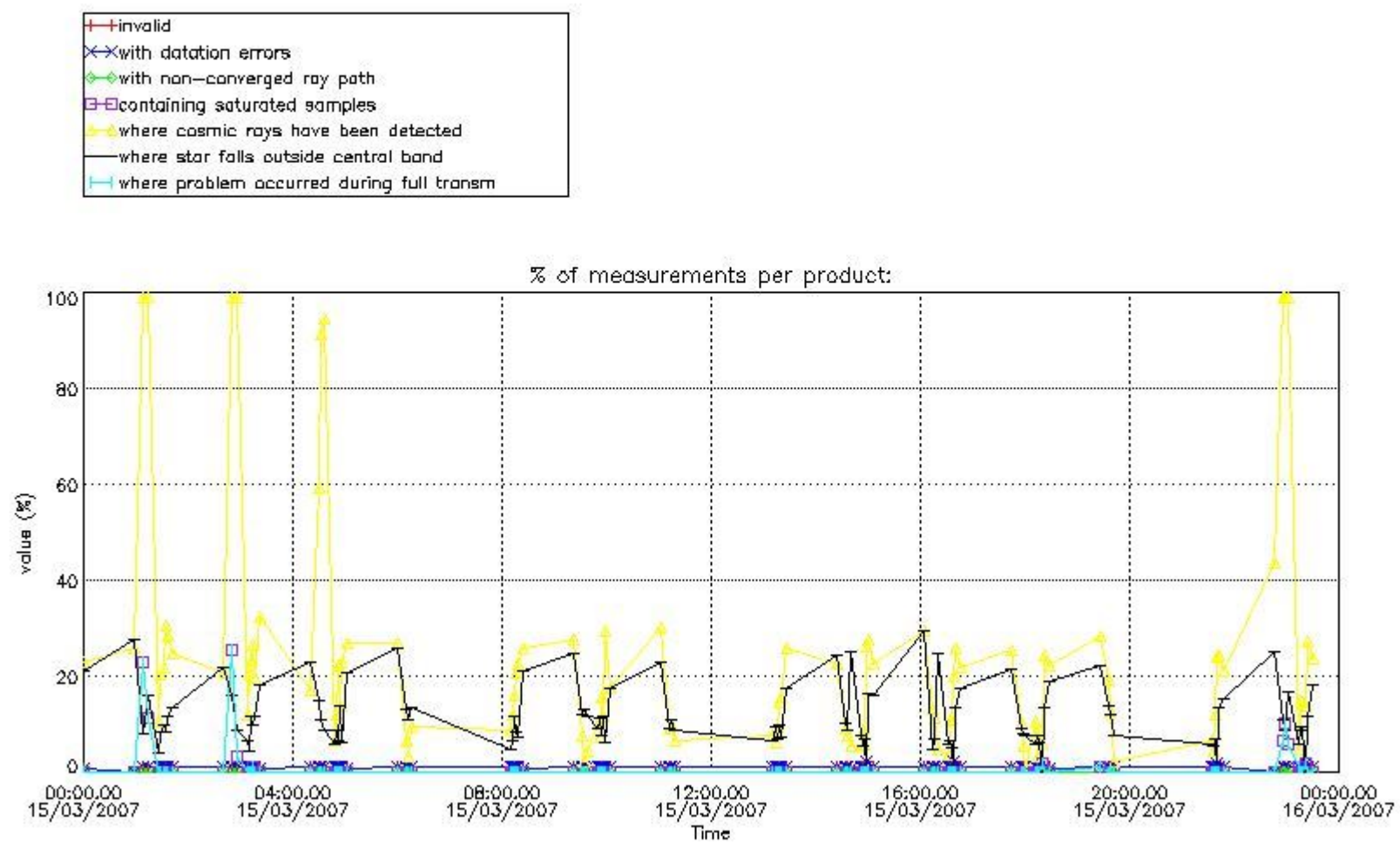


4. Level 1 quality information per product

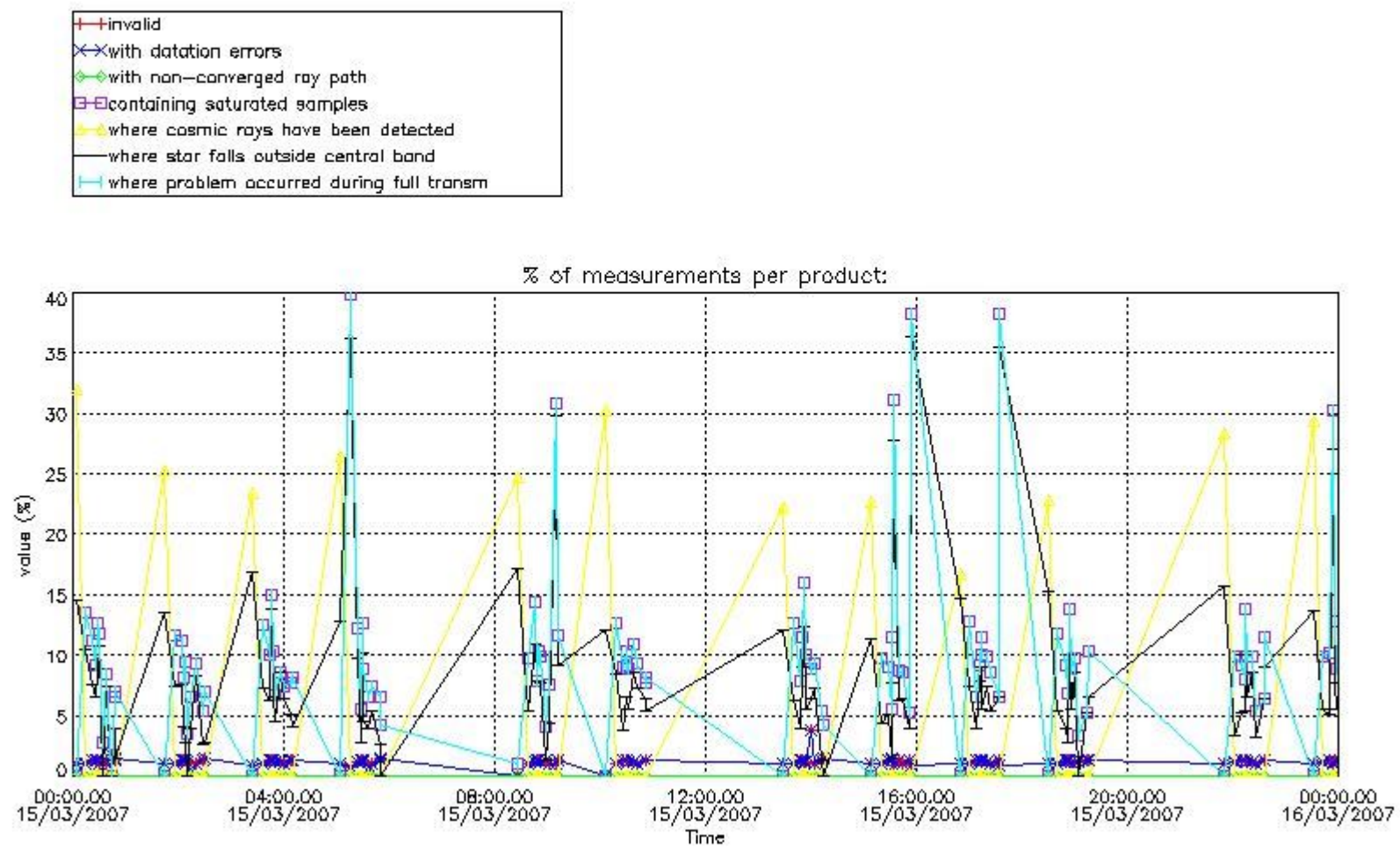
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

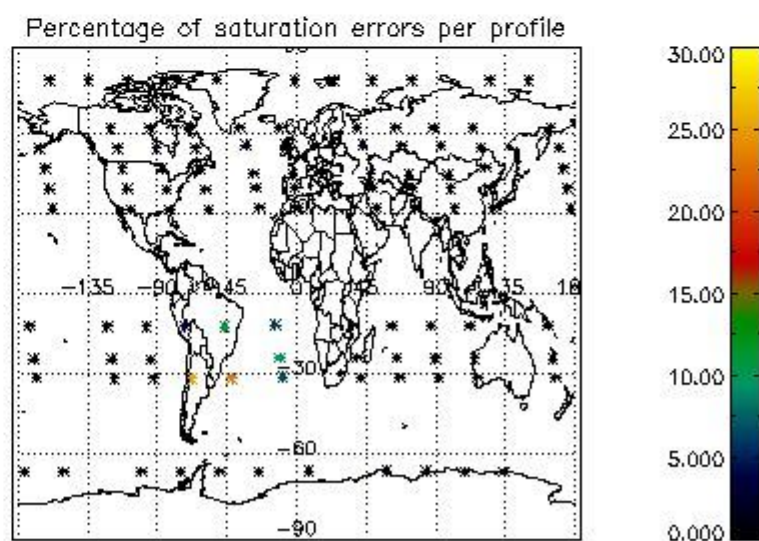
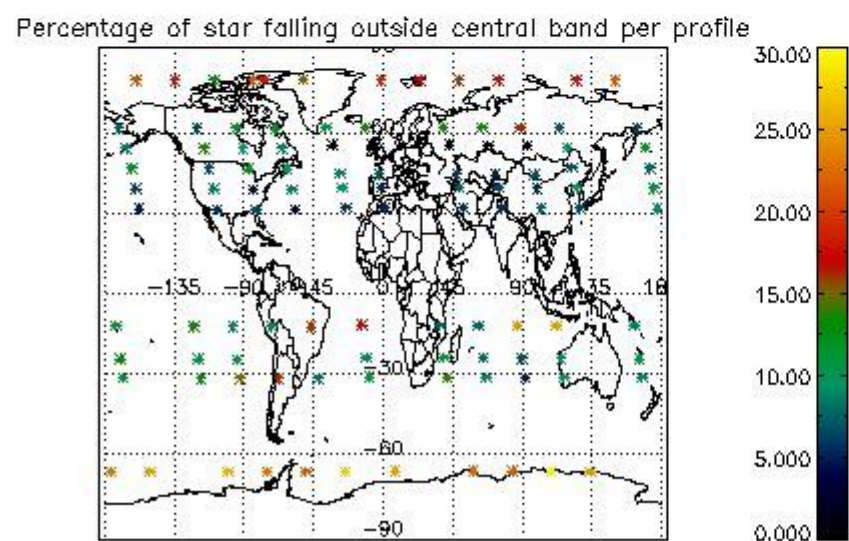
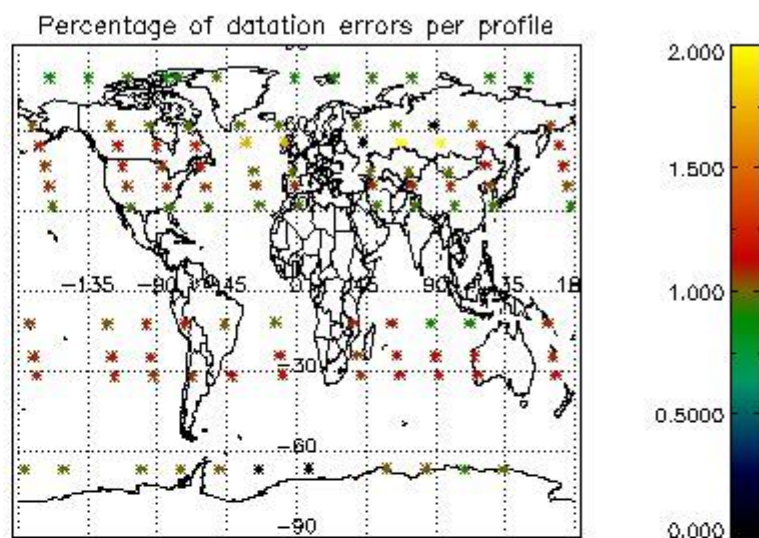
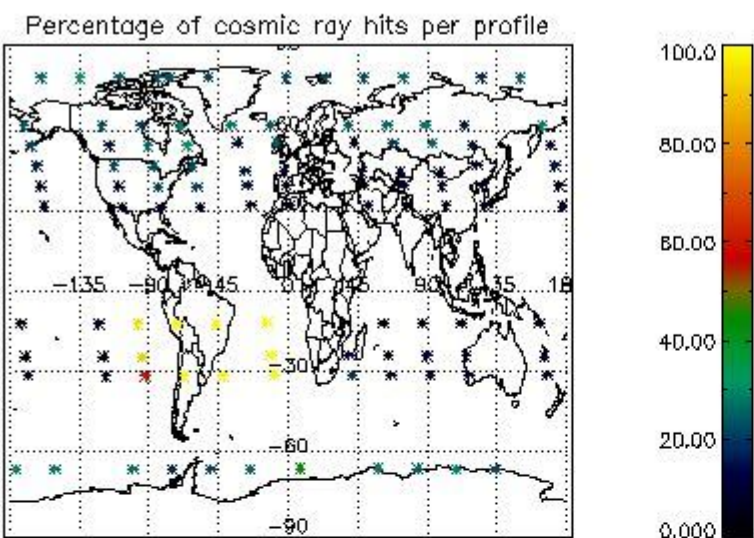


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

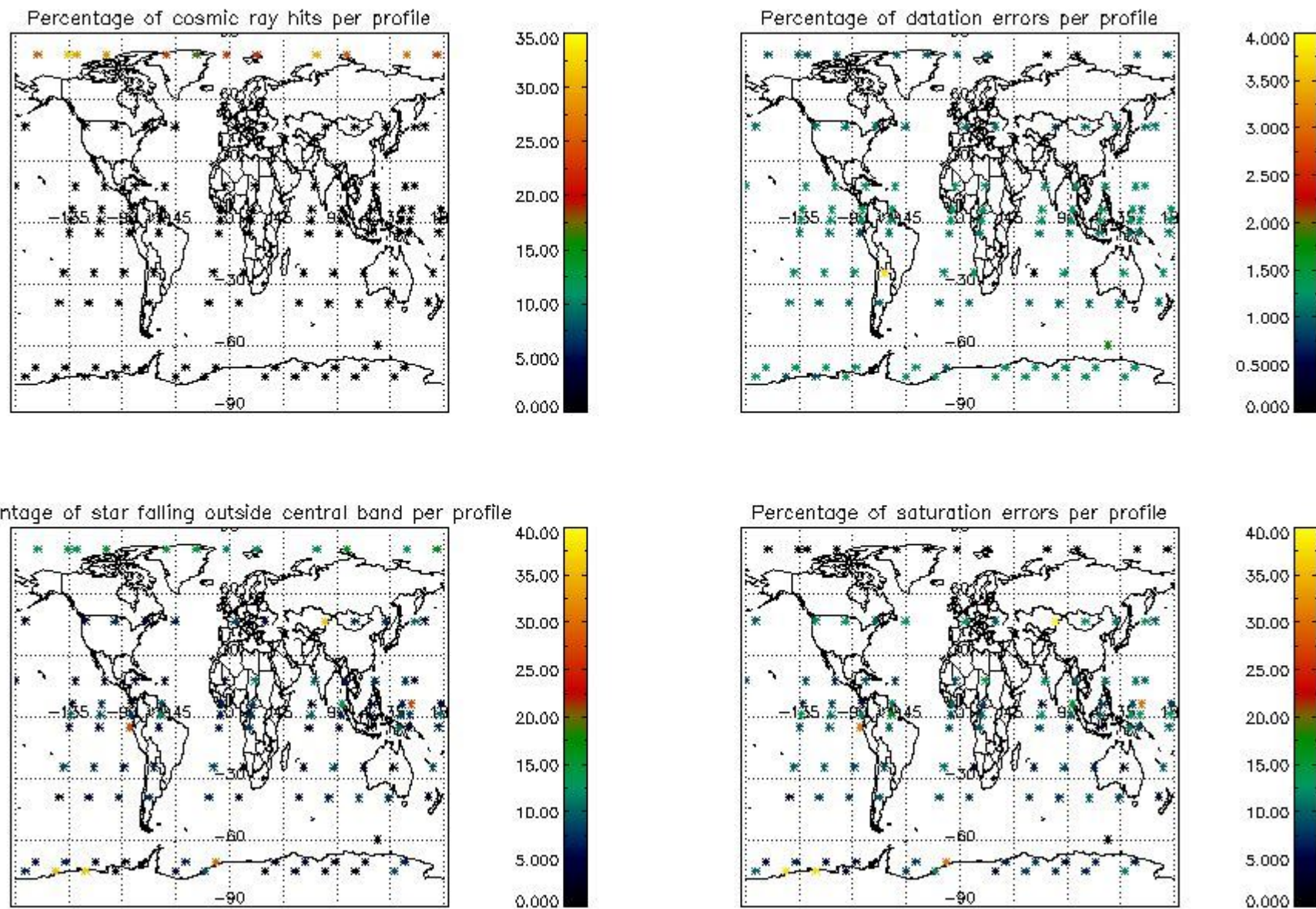


4.2 Plot quality information per product coming from level 1b processing (world map)

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

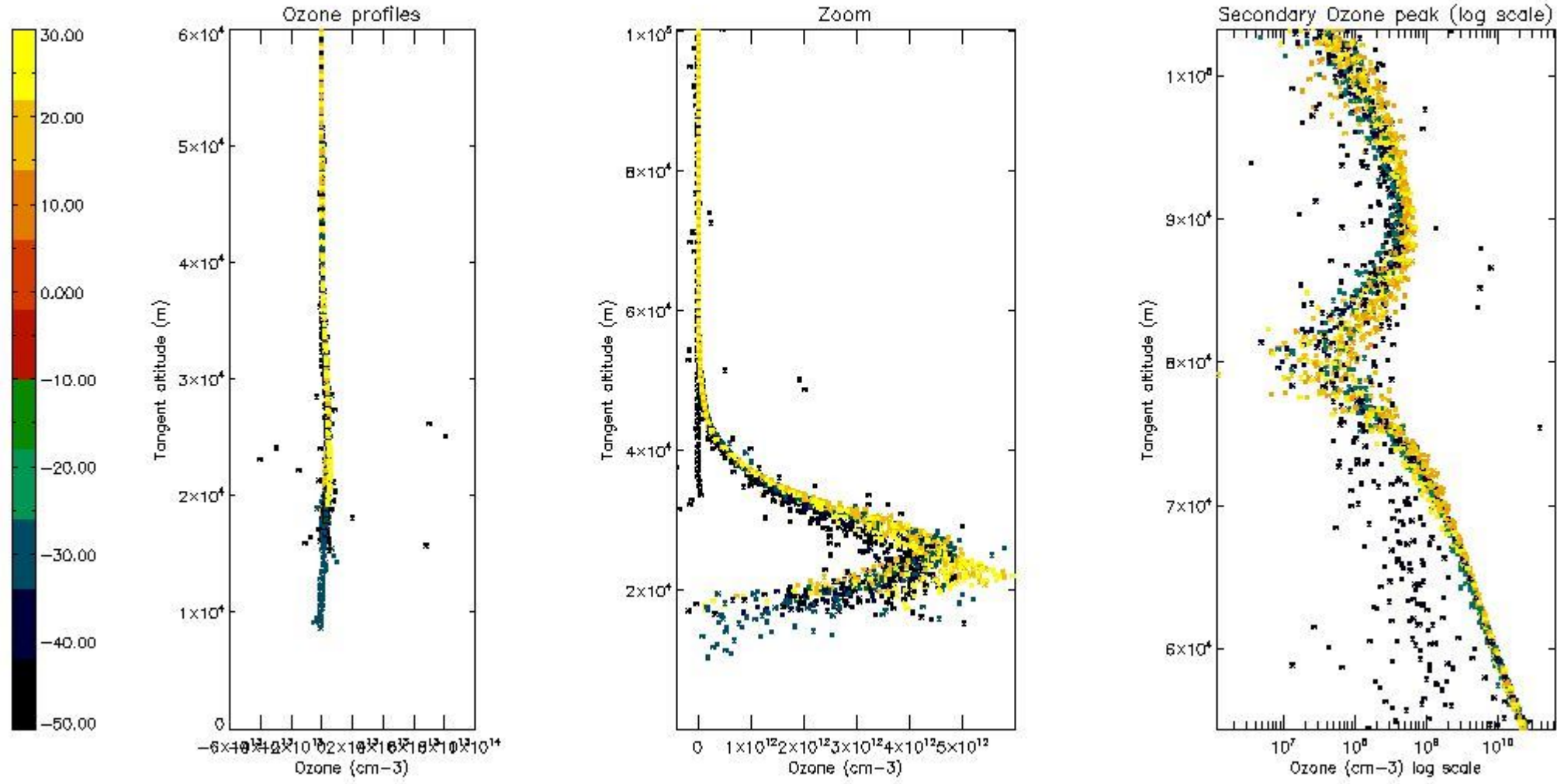
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	19

STD < 10	16
STD < 5	12

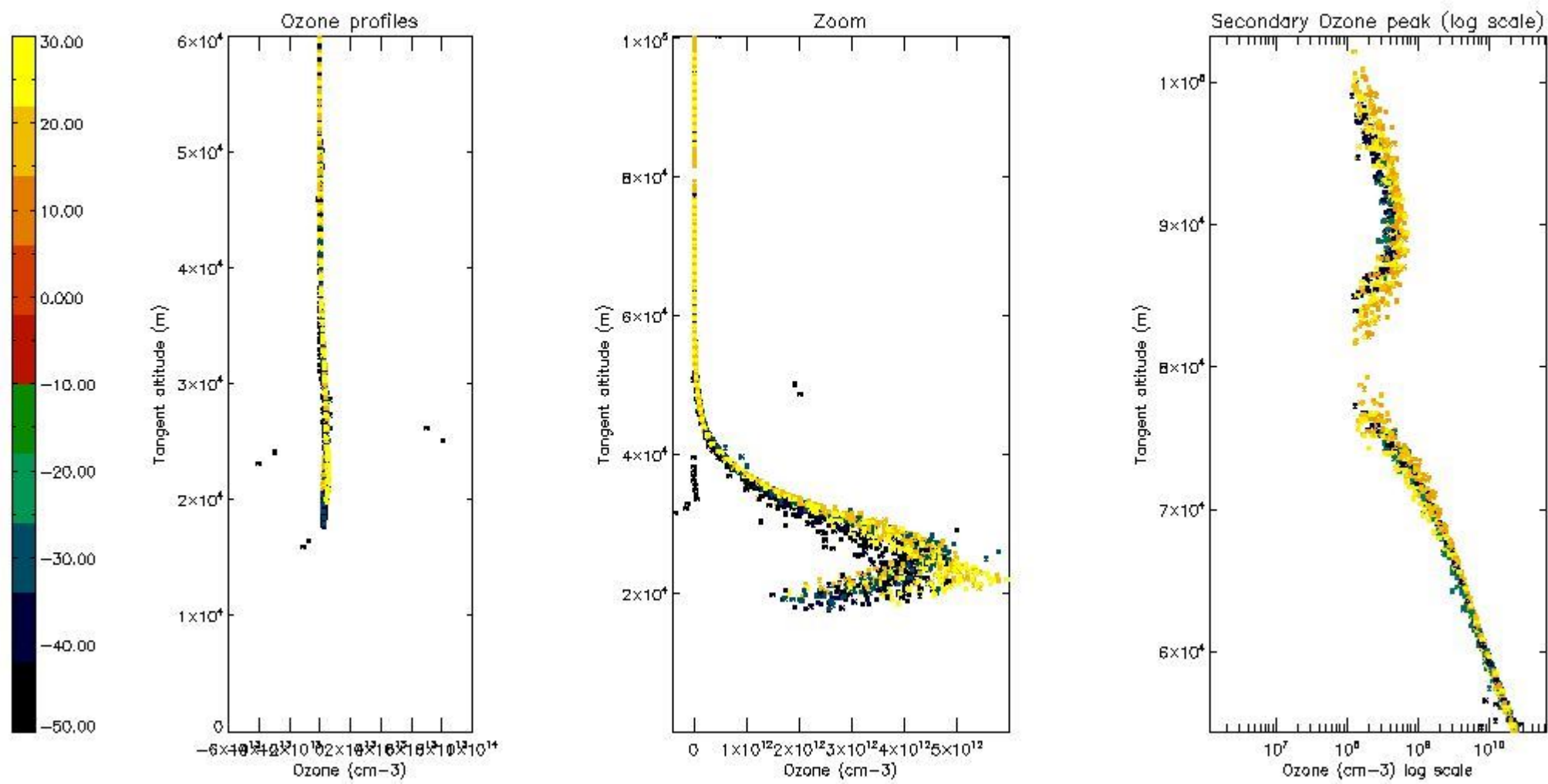
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



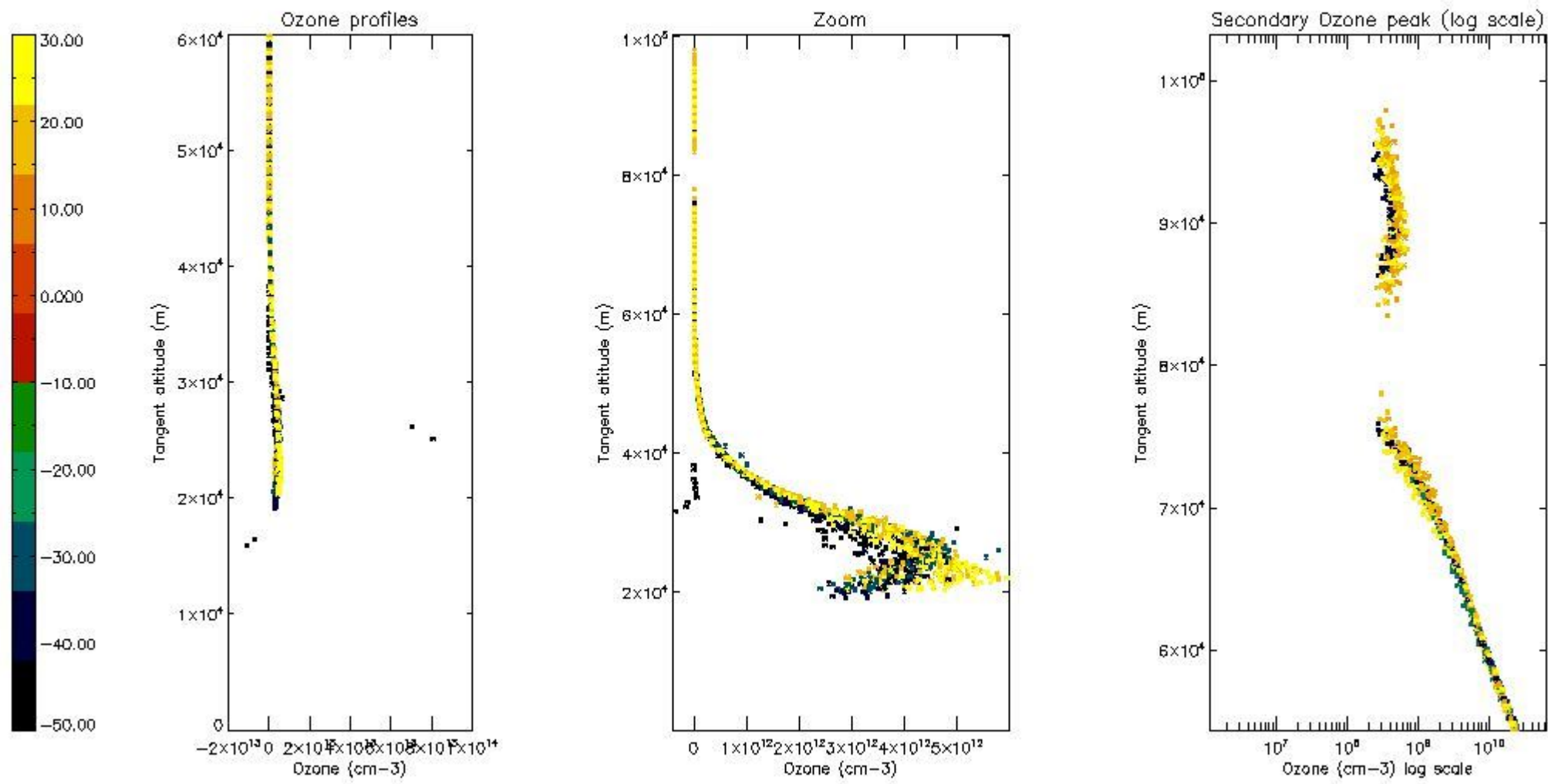
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



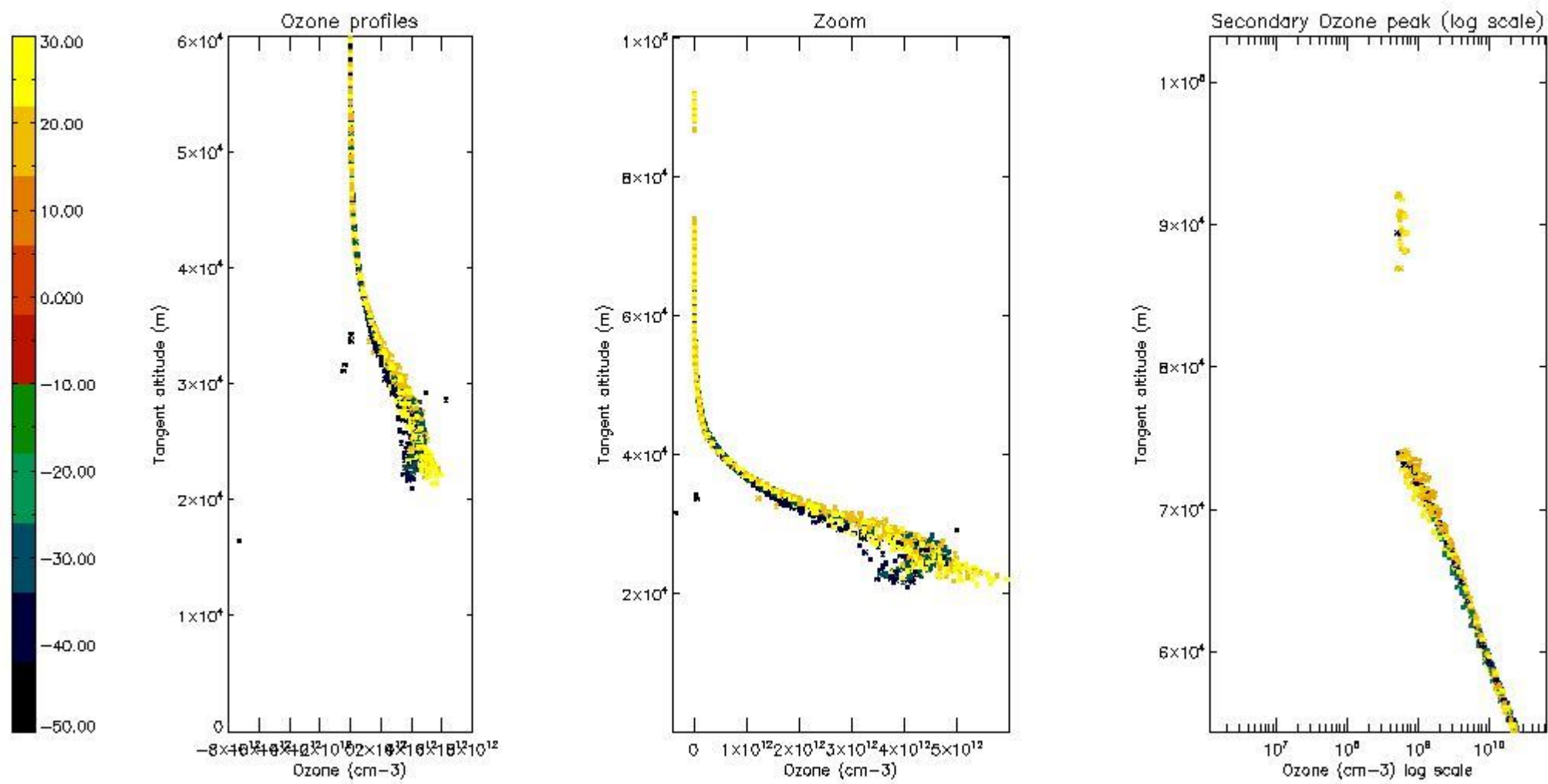
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



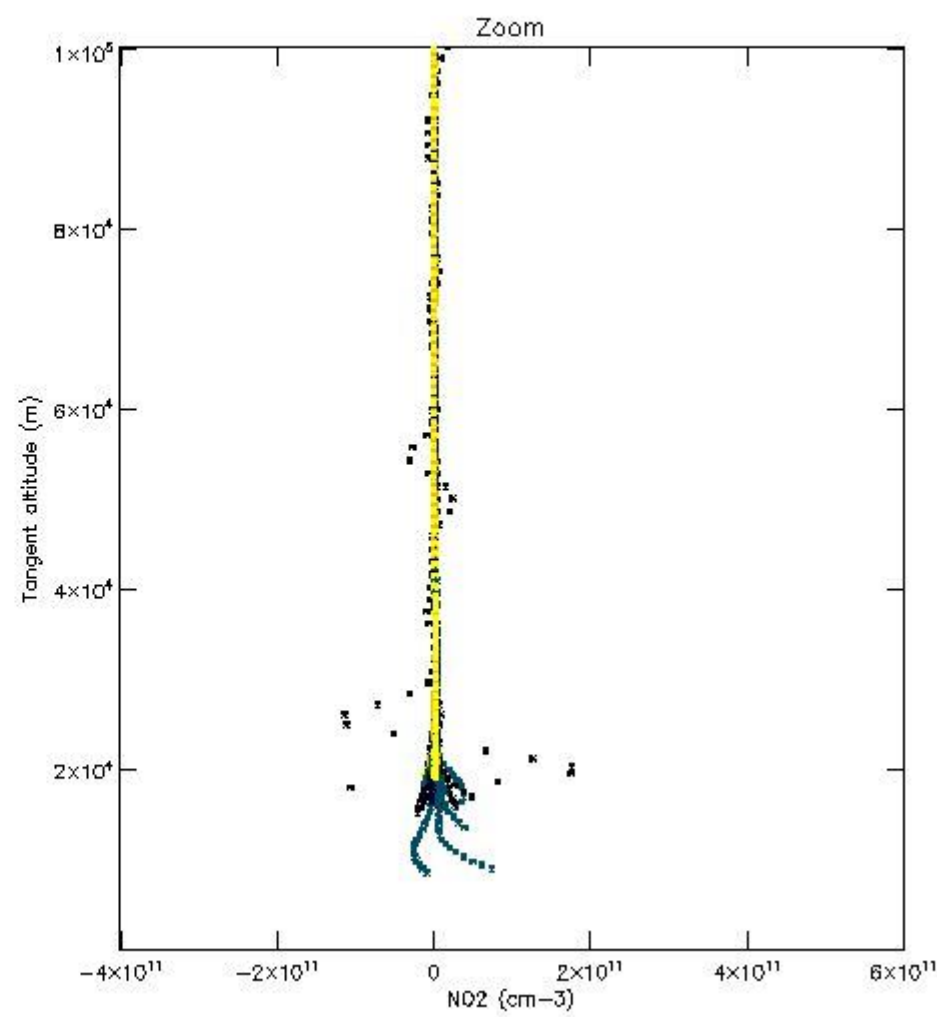
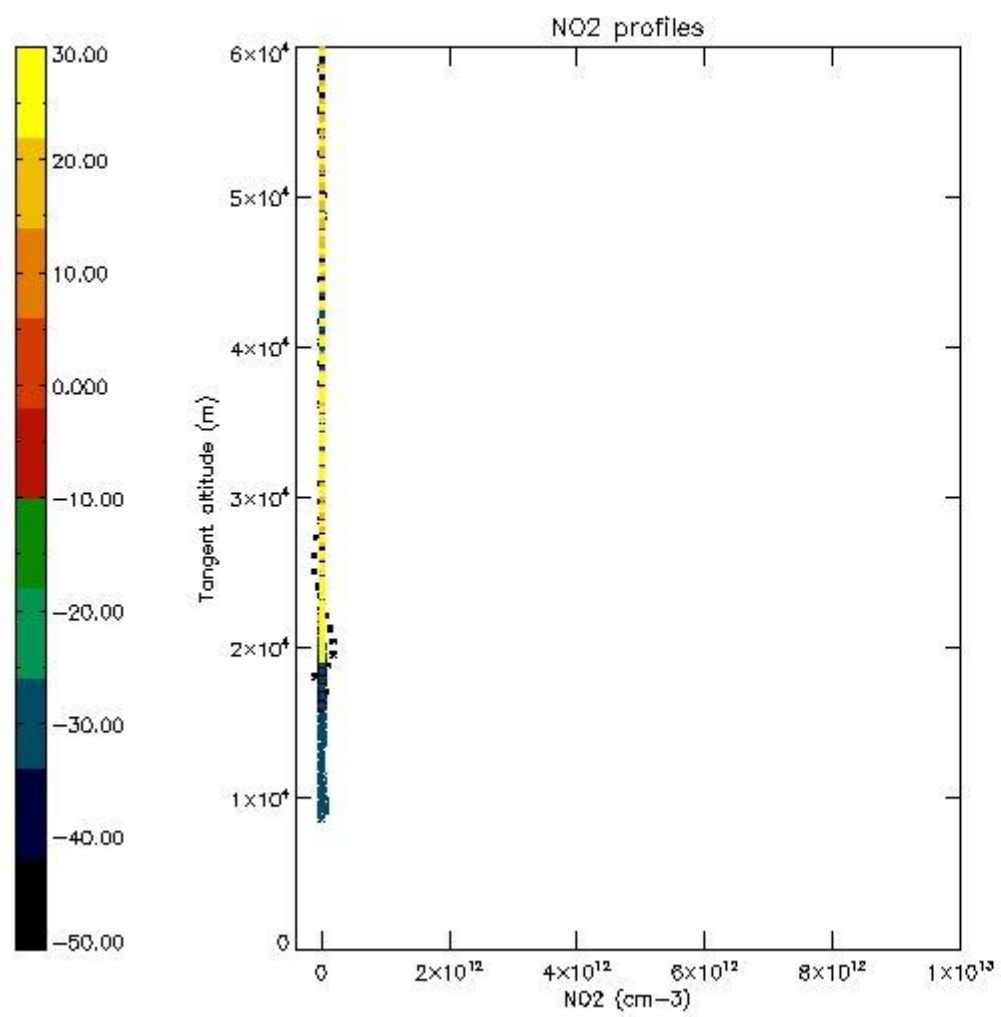
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



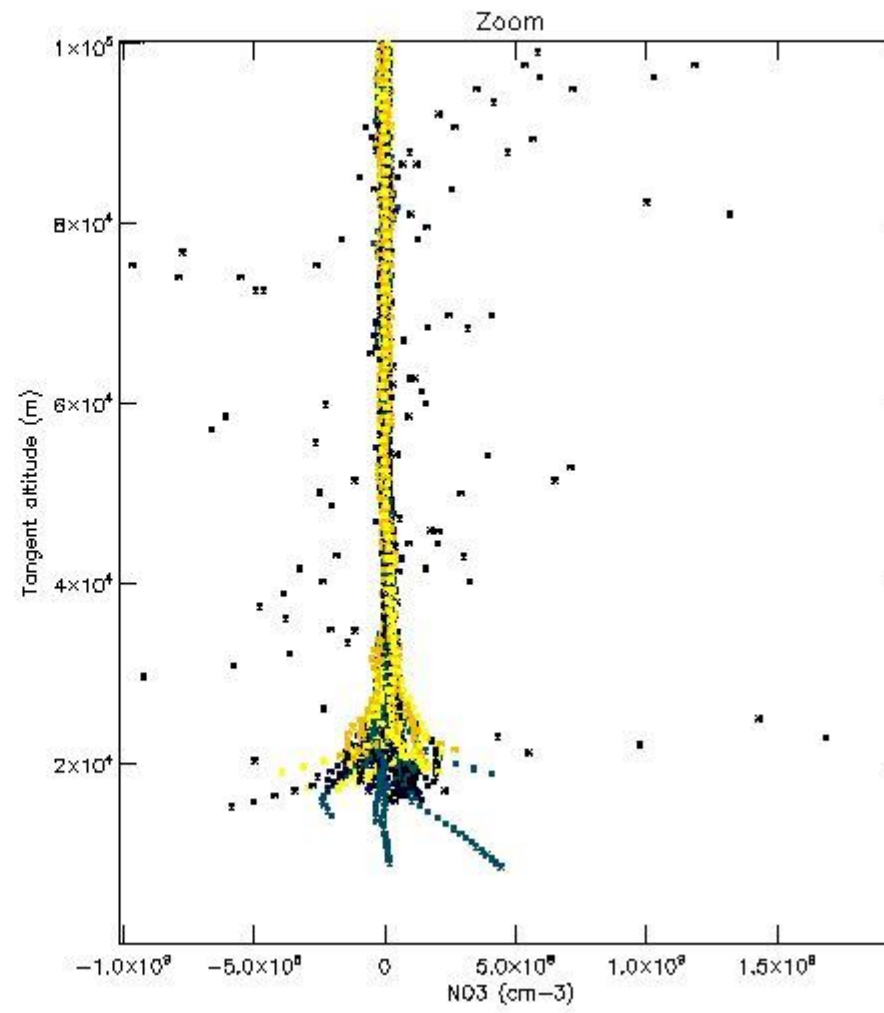
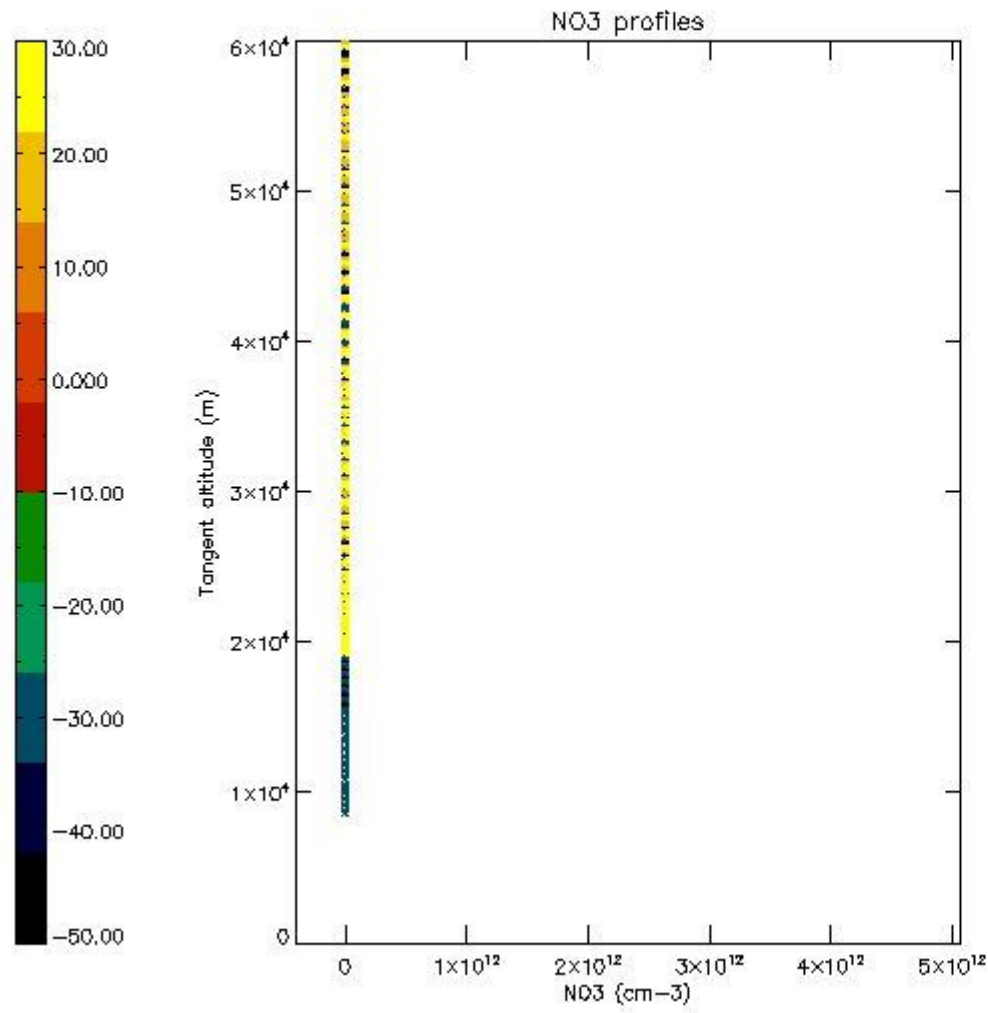
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	15-MAR-2007 00:00:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-MAR-2007 00:00:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-MAR-2007 00:00:38

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Store outputs in DB	Yes
Nb of level 2 prods	226
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__2PRFIN20070315_000038_00000572056_00231_26337_0651.N1	15-MAR-2007 00:00:38	Straylight	57.000	106	9Bet Crv	2.6480	5600.0	114	26337	No
2	GOM_NL__2PRFIN20070315_000301_00000522056_00231_26337_0652.N1	15-MAR-2007 00:03:01	Straylight	51.500	100	4Gam Crv	2.5800	13100.	103	26337	No
3	GOM_NL__2PRFIN20070315_001426_000000482056_00231_26337_0653.N1	15-MAR-2007 00:14:26	Bright	48.000	62	94Bet Leo	2.1360	9700.0	96	26337	No
4	GOM_NL__2PRFIN20070315_002236_000000402056_00231_26337_0654.N1	15-MAR-2007 00:22:36	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	26337	No
5	GOM_NL__2PRFIN20070315_002545_000000382056_00231_26337_0655.N1	15-MAR-2007 00:25:45	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	26337	No
6	GOM_NL__2PRFIN20070315_002714_000000402056_00231_26337_0656.N1	15-MAR-2007 00:27:14	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	26337	No
7	GOM_NL__2PRFIN20070315_002900_000000472056_00231_26337_0657.N1	15-MAR-2007 00:29:00	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	26337	No
8	GOM_NL__2PRFIN20070315_003421_000000372056_00231_26337_0658.N1	15-MAR-2007 00:34:21	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	26337	No
9	GOM_NL__2PRFIN20070315_003831_000000482056_00231_26337_0659.N1	15-MAR-2007 00:38:31	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	26337	No
10	GOM_NL__2PRFIN20070315_004421_000000282056_00231_26337_0660.N1	15-MAR-2007 00:44:21	Twilight	28.000	69	33Gam Dra	2.2310	3800.0	56	26337	No
11	GOM_NL__2PRFIN20070315_004734_000000382056_00231_26337_0661.N1	15-MAR-2007 00:47:34	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	26337	No
12	GOM_NL__2PRFIN20070315_004859_000000362056_00231_26337_0662.N1	15-MAR-2007 00:48:59	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	26337	No
13	GOM_NL__2PRFIN20070315_005855_000000532056_00231_26337_0663.N1	15-MAR-2007 00:58:55	Twilight	52.500	11	53Alp Aql	0.76500	8000.0	105	26337	No
14	GOM_NL__2PRFIN20070315_010858_000000442056_00231_26337_0664.N1	15-MAR-2007 01:08:58	Dark	43.500	155	41Pi Sgr	2.9000	6600.0	87	26337	No
15	GOM_NL__2PRFIN20070315_011425_000000502056_00231_26337_0665.N1	15-MAR-2007 01:14:25	Dark	49.500	38	20Eps Sgr	1.8360	11000.	99	26337	No
16	GOM_NL__2PRFIN20070315_012640_000000522056_00232_26338_0662.N1	15-MAR-2007 01:26:40	Dark	52.000	131	Gam Lup	2.8000	26000.	104	26338	No
17	GOM_NL__2PRFIN20070315_012850_000000472056_00232_26338_0663.N1	15-MAR-2007 01:28:50	Dark	47.000	78	Alp Lup	2.3040	28000.	94	26338	No
18	GOM_NL__2PRFIN20070315_013100_000000462056_00232_26338_0664.N1	15-MAR-2007 01:31:00	Dark	45.500	95	Zet Cen	2.5450	26000.	91	26338	No
19	GOM_NL__2PRFIN20070315_013311_000000412056_00232_26338_0665.N1	15-MAR-2007 01:33:11	Straylight	41.000	64	Gam Cen	2.2000	10600.	82	26338	No
20	GOM_NL__2PRFIN20070315_013519_000000512056_00232_26338_0666.N1	15-MAR-2007 01:35:19	Straylight	51.000	123	lot Cen	2.7500	10200.	102	26338	No
21	GOM_NL__2PRFIN20070315_014115_000000532056_00232_26338_0667.N1	15-MAR-2007 01:41:15	Straylight	52.500	106	9Bet Crv	2.6480	5600.0	105	26338	No
22	GOM_NL__2PRFIN20070315_014337_000000522056_00232_26338_0668.N1	15-MAR-2007 01:43:37	Straylight	51.500	100	4Gam Crv	2.5800	13100.	103	26338	No
23	GOM_NL__2PRFIN20070315_015501_000000482056_00232_26338_0669.N1	15-MAR-2007 01:55:01	Bright	47.500	62	94Bet Leo	2.1360	9700.0	95	26338	No
24	GOM_NL__2PRFIN20070315_020312_000000402056_00232_26338_0670.N1	15-MAR-2007 02:03:12	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	26338	No
25	GOM_NL__2PRFIN20070315_020621_000000372056_00232_26338_0671.N1	15-MAR-2007 02:06:21	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	26338	No
26	GOM_NL__2PRFIN20070315_020750_000000372056_00232_26338_0672.N1	15-MAR-2007 02:07:50	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	26338	No
27	GOM_NL__2PRFIN20070315_020935_000000432056_00232_26338_0673.N1	15-MAR-2007 02:09:35	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	26338	No
28	GOM_NL__2PRFIN20070315_021456_000000382056_00232_26338_0674.N1	15-MAR-2007 02:14:56	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	26338	No
29	GOM_NL__2PRFIN20070315_021906_000000482056_00232_26338_0675.N1	15-MAR-2007 02:19:06	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	26338	No
30	GOM_NL__2PRFIN20070315_022810_000000382056_00232_26338_0676.N1	15-MAR-2007 02:28:10	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	26338	No
31	GOM_NL__2PRFIN20070315_022935_000000362056_00232_26338_0677.N1	15-MAR-2007 02:29:35	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	26338	No
32	GOM_NL__2PRFIN20070315_023931_000000492056_00232_26338_0678.N1	15-MAR-2007 02:39:31	Twilight	48.500	11	53Alp Aql	0.76500	8000.0	97	26338	No
33	GOM_NL__2PRFIN20070315_024934_000000472056_00232_26338_0679.N1	15-MAR-2007 02:49:34	Dark	47.000	155	41Pi Sgr	2.9000	6600.0	94	26338	No
34	GOM_NL__2PRFIN20070315_025501_000000462056_00232_26338_0680.N1	15-MAR-2007 02:55:01	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	26338	No
35	GOM_NL__2PRFIN20070315_030717_000000542056_00233_26339_0673.N1	15-MAR-2007 03:07:17	Dark	53.500	131	Gam Lup	2.8000	26000.	107	26339	No
36	GOM_NL__2PRFIN20070315_030927_000000462056_00233_26339_0674.N1	15-MAR-2007 03:09:27	Dark	46.000	78	Alp Lup	2.3040	28000.	92	26339	No
37	GOM_NL__2PRFIN20070315_031137_000000472056_00233_26339_0675.N1	15-MAR-2007 03:11:37	Dark	47.000	95	Zet Cen	2.5450	26000.	94	26339	No
38	GOM_NL__2PRFIN20070315_031347_000000422056_00233_26339_0676.N1	15-MAR-2007 03:13:47	Straylight	41.500	64	Gam Cen	2.2000	10600.	83	26339	No
39	GOM_NL__2PRFIN20070315_031556_000000512056_00233_26339_0677.N1	15-MAR-2007 03:15:56	Straylight	51.000	123	lot Cen	2.7500	10200.	102	26339	No
40	GOM_NL__2PRFIN20070315_032151_000000562056_00233_26339_0678.N1	15-MAR-2007 03:21:51	Straylight	55.500	106	9Bet Crv	2.6480	5600.0	111	26339	No
41	GOM_NL__2PRFIN20070315_032413_000000542056_00233_26339_0679.N1	15-MAR-2007 03:24:13	Straylight	53.500	100	4Gam Crv	2.5800	13100.	107	26339	No
42	GOM_NL__2PRFIN20070315_033537_000000482056_00233_26339_0680.N1	15-MAR-2007 03:35:37	Bright	48.000	62	94Bet Leo	2.1360	9700.0	96	26339	No

43	GOM_NL__2PRFIN20070315_034347_000000402056_00233_26339_0681.N1	15-MAR-2007 03:43:47	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	26339	No
44	GOM_NL__2PRFIN20070315_034657_000000402056_00233_26339_0682.N1	15-MAR-2007 03:46:57	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	26339	No
45	GOM_NL__2PRFIN20070315_034825_000000392056_00233_26339_0683.N1	15-MAR-2007 03:48:25	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	26339	No
46	GOM_NL__2PRFIN20070315_035010_000000452056_00233_26339_0684.N1	15-MAR-2007 03:50:10	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	26339	No
47	GOM_NL__2PRFIN20070315_035532_000000412056_00233_26339_0685.N1	15-MAR-2007 03:55:32	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	26339	No
48	GOM_NL__2PRFIN20070315_035941_000000472056_00233_26339_0686.N1	15-MAR-2007 03:59:41	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	26339	No
49	GOM_NL__2PRFIN20070315_040846_000000392056_00233_26339_0687.N1	15-MAR-2007 04:08:46	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	26339	No
50	GOM_NL__2PRFIN20070315_041011_000000372056_00233_26339_0688.N1	15-MAR-2007 04:10:11	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	26339	No
51	GOM_NL__2PRFIN20070315_042008_000000502056_00233_26339_0689.N1	15-MAR-2007 04:20:08	Twilight	50.000	11	53Alp Aql	0.76500	8000.0	100	26339	No
52	GOM_NL__2PRFIN20070315_043011_000000472056_00233_26339_0690.N1	15-MAR-2007 04:30:11	Dark	46.500	155	41Pi Sgr	2.9000	6600.0	93	26339	No
53	GOM_NL__2PRFIN20070315_043212_000000462056_00233_26339_0691.N1	15-MAR-2007 04:32:12	Dark	45.500	57	34Sig Sgr	2.0660	26000.	91	26339	No
54	GOM_NL__2PRFIN20070315_043538_000000452056_00233_26339_0692.N1	15-MAR-2007 04:35:38	Dark	45.000	38	20Eps Sgr	1.8360	11000.	90	26339	No
55	GOM_NL__2PRFIN20070315_044754_000000532056_00234_26340_0698.N1	15-MAR-2007 04:47:54	Dark	52.500	131	Gam Lup	2.8000	26000.	105	26340	No
56	GOM_NL__2PRFIN20070315_045003_000000472056_00234_26340_0699.N1	15-MAR-2007 04:50:03	Dark	46.500	78	Alp Lup	2.3040	28000.	93	26340	No
57	GOM_NL__2PRFIN20070315_045214_000000452056_00234_26340_0700.N1	15-MAR-2007 04:52:14	Dark	45.000	95	Zet Cen	2.5450	26000.	90	26340	No
58	GOM_NL__2PRFIN20070315_045423_000000442056_00234_26340_0701.N1	15-MAR-2007 04:54:23	Straylight	43.500	64	Gam Cen	2.2000	10600.	87	26340	No
59	GOM_NL__2PRFIN20070315_045632_000000482056_00234_26340_0702.N1	15-MAR-2007 04:56:32	Straylight	48.000	123	lot Cen	2.7500	10200.	96	26340	No
60	GOM_NL__2PRFIN20070315_050227_000000582056_00234_26340_0703.N1	15-MAR-2007 05:02:27	Straylight	57.500	106	9Bet Crv	2.6480	5600.0	115	26340	No
61	GOM_NL__2PRFIN20070315_050450_000000512056_00234_26340_0704.N1	15-MAR-2007 05:04:50	Straylight	51.000	100	4Gam Crv	2.5800	13100.	102	26340	No
62	GOM_NL__2PRFIN20070315_051612_000000692056_00234_26340_0705.N1	15-MAR-2007 05:16:12	Bright	69.000	62	94Bet Leo	2.1360	9700.0	138	26340	No
63	GOM_NL__2PRFIN20070315_052423_000000412056_00234_26340_0706.N1	15-MAR-2007 05:24:23	Bright	41.000	174	52Psi UMa	3.0040	4400.0	82	26340	No
64	GOM_NL__2PRFIN20070315_052732_000000372056_00234_26340_0707.N1	15-MAR-2007 05:27:32	Bright	36.500	82	48Bet UMa	2.3650	10600.	73	26340	No
65	GOM_NL__2PRFIN20070315_052901_000000402056_00234_26340_0708.N1	15-MAR-2007 05:29:01	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	26340	No
66	GOM_NL__2PRFIN20070315_053045_000000452056_00234_26340_0709.N1	15-MAR-2007 05:30:45	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26340	No
67	GOM_NL__2PRFIN20070315_053608_000000392056_00234_26340_0710.N1	15-MAR-2007 05:36:08	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	26340	No
68	GOM_NL__2PRFIN20070315_054017_000000472056_00234_26340_0711.N1	15-MAR-2007 05:40:17	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	26340	No
69	GOM_NL__2PRFIN20070315_054922_000000382056_00234_26340_0712.N1	15-MAR-2007 05:49:22	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	26340	No
70	GOM_NL__2PRFIN20070315_055048_000000352056_00234_26340_0713.N1	15-MAR-2007 05:50:48	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	26340	No
71	GOM_NL__2PRFIN20070315_060044_000000522056_00234_26340_0714.N1	15-MAR-2007 06:00:44	Twilight	52.000	11	53Alp Aql	0.76500	8000.0	104	26340	No
72	GOM_NL__2PRFIN20070315_061048_000000462056_00234_26340_0715.N1	15-MAR-2007 06:10:48	Dark	46.000	155	41Pi Sgr	2.9000	6600.0	92	26340	No
73	GOM_NL__2PRFIN20070315_061249_000000462056_00234_26340_0716.N1	15-MAR-2007 06:12:49	Dark	45.500	57	34Sig Sgr	2.0660	26000.	91	26340	No
74	GOM_NL__2PRFIN20070315_061615_000000482056_00234_26340_0717.N1	15-MAR-2007 06:16:15	Dark	48.000	38	20Eps Sgr	1.8360	11000.	96	26340	No
75	GOM_NL__2PRFIN20070315_080908_000000522056_00236_26342_0720.N1	15-MAR-2007 08:09:08	Dark	52.000	131	Gam Lup	2.8000	26000.	104	26342	No
76	GOM_NL__2PRFIN20070315_081117_000000462056_00236_26342_0721.N1	15-MAR-2007 08:11:17	Dark	46.000	78	Alp Lup	2.3040	28000.	92	26342	No
77	GOM_NL__2PRFIN20070315_081327_000000472056_00236_26342_0722.N1	15-MAR-2007 08:13:27	Dark	47.000	95	Zet Cen	2.5450	26000.	94	26342	No
78	GOM_NL__2PRFIN20070315_081536_000000412056_00236_26342_0723.N1	15-MAR-2007 08:15:36	Straylight	41.000	64	Gam Cen	2.2000	10600.	82	26342	No
79	GOM_NL__2PRFIN20070315_081746_000000492056_00236_26342_0724.N1	15-MAR-2007 08:17:46	Straylight	48.500	123	lot Cen	2.7500	10200.	97	26342	No
80	GOM_NL__2PRFIN20070315_082340_000000572056_00236_26342_0725.N1	15-MAR-2007 08:23:40	Straylight	56.500	106	9Bet Crv	2.6480	5600.0	113	26342	No
81	GOM_NL__2PRFIN20070315_082602_000000532056_00236_26342_0726.N1	15-MAR-2007 08:26:02	Straylight	52.500	100	4Gam Crv	2.5800	13100.	105	26342	No
82	GOM_NL__2PRFIN20070315_083723_000000462056_00236_26342_0727.N1	15-MAR-2007 08:37:23	Bright	46.000	62	94Bet Leo	2.1360	9700.0	92	26342	No
83	GOM_NL__2PRFIN20070315_084534_000000422056_00236_26342_0728.N1	15-MAR-2007 08:45:34	Bright	41.500	174	52Psi UMa	3.0040	4400.0	83	26342	No
84	GOM_NL__2PRFIN20070315_084844_000000382056_00236_26342_0729.N1	15-MAR-2007 08:48:44	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	26342	No
85	GOM_NL__2PRFIN20070315_085013_000000392056_00236_26342_0730.N1	15-MAR-2007 08:50:13	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	26342	No
86	GOM_NL__2PRFIN20070315_085156_000000462056_00236_26342_0731.N1	15-MAR-2007 08:51:56	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	26342	No
87	GOM_NL__2PRFIN20070315_085719_000000382056_00236_26342_0732.N1	15-MAR-2007 08:57:19	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	26342	No
88	GOM_NL__2PRFIN20070315_090127_000000472056_00236_26342_0733.N1	15-MAR-2007 09:01:27	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	26342	No
89	GOM_NL__2PRFIN20070315_091034_000000522056_00236_26342_0734.N1	15-MAR-2007 09:10:34	Bright	52.000	144	18Del Cyg	2.8600	11000.	104	26342	No
90	GOM_NL__2PRFIN20070315_091159_000000392056_00236_26342_0735.N1	15-MAR-2007 09:11:59	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	26342	No
91	GOM_NL__2PRFIN20070315_092157_000000512056_00236_26342_0736.N1	15-MAR-2007 09:21:57	Twilight	50.500	11	53Alp Aql	0.76500	8000.0	101	26342	No
92	GOM_NL__2PRFIN20070315_093201_000000462056_00236_26342_0737.N1	15-MAR-2007 09:32:01	Dark	46.000	155	41Pi Sgr	2.9000	6600.0	92	26342	No
93	GOM_NL__2PRFIN20070315_093402_000000462056_00236_26342_0738.N1	15-MAR-2007 09:34:02	Dark	46.000	57	34Sig Sgr	2.0660	26000.	92	26342	No
94	GOM_NL__2PRFIN20070315_093729_000000472056_00236_26342_0739.N1	15-MAR-2007 09:37:29	Dark	47.000	38	20Eps Sgr	1.8360	11000.	94	26342	No
95	GOM_NL__2PRFIN20070315_094945_000000552056_00237_26343_0759.N1	15-MAR-2007 09:49:45	Dark	54.500	131	Gam Lup	2.8000	26000.	109	26343	No
96	GOM_NL__2PRFIN20070315_095154_000000492056_00237_26343_0760.N1	15-MAR-2007 09:51:54	Dark	48.500	78	Alp Lup	2.3040	28000.	97	26343	No
97	GOM_NL__2PRFIN20070315_095404_000000452056_00237_26343_0761.N1	15-MAR-2007 09:54:04	Dark	45.000	95	Zet Cen	2.5450	26000.	90	26343	No
98	GOM_NL__2PRFIN20070315_095613_000000432056_00237_26343_0762.N1	15-MAR-2007 09:56:13	Straylight	42.500	64	Gam Cen	2.2000	10600.	85	26343	No
99	GOM_NL__2PRFIN20070315_095822_000000482056_00237_26343_0763.N1	15-MAR-2007 09:58:22	Straylight	47.500	123	lot Cen	2.7500	10200.	95	26343	No
100	GOM_NL__2PRFIN20070315_100416_000000552056_00237_26343_0764.N1	15-MAR-2007 10:04:16	Straylight	54.500	106	9Bet Crv	2.6480	5600.0	109	26343	No
101	GOM_NL__2PRFIN20070315_100638_000000502056_00237_26343_0765.N1	15-MAR-2007 10:06:38	Straylight	49.500	100	4Gam Crv	2.5800	13100.	99	26343	No

102	GOM_NL__2PRFIN20070315_101759_000000482056_00237_26343_0766.N1	15-MAR-2007 10:17:59	Bright	47.500	62	94Bet Leo	2.1360	9700.0	95	26343	No
103	GOM_NL__2PRFIN20070315_102609_000000392056_00237_26343_0767.N1	15-MAR-2007 10:26:09	Bright	39.000	174	52Psi UMa	3.0040	4400.0	78	26343	No
104	GOM_NL__2PRFIN20070315_102919_000000392056_00237_26343_0768.N1	15-MAR-2007 10:29:19	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	26343	No
105	GOM_NL__2PRFIN20070315_103048_000000382056_00237_26343_0769.N1	15-MAR-2007 10:30:48	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	26343	No
106	GOM_NL__2PRFIN20070315_103231_000000452056_00237_26343_0770.N1	15-MAR-2007 10:32:31	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26343	No
107	GOM_NL__2PRFIN20070315_103754_000000412056_00237_26343_0771.N1	15-MAR-2007 10:37:54	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	26343	No
108	GOM_NL__2PRFIN20070315_104203_000000482056_00237_26343_0772.N1	15-MAR-2007 10:42:03	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	26343	No
109	GOM_NL__2PRFIN20070315_105110_000000392056_00237_26343_0773.N1	15-MAR-2007 10:51:10	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	26343	No
110	GOM_NL__2PRFIN20070315_105235_000000372056_00237_26343_0774.N1	15-MAR-2007 10:52:35	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	26343	No
111	GOM_NL__2PRFIN20070315_110233_000000502056_00237_26343_0775.N1	15-MAR-2007 11:02:33	Tw_i_and_stray	50.000	11	53Alp Aql	0.76500	8000.0	100	26343	No
112	GOM_NL__2PRFIN20070315_111238_000000452056_00237_26343_0776.N1	15-MAR-2007 11:12:38	Dark	44.500	155	41Pi Sgr	2.9000	6600.0	89	26343	No
113	GOM_NL__2PRFIN20070315_111439_000000462056_00237_26343_0777.N1	15-MAR-2007 11:14:39	Dark	46.000	57	34Sig Sgr	2.0660	26000.	92	26343	No
114	GOM_NL__2PRFIN20070315_111805_000000462056_00237_26343_0778.N1	15-MAR-2007 11:18:05	Dark	46.000	38	20Eps Sgr	1.8360	11000.	92	26343	No
115	GOM_NL__2PRFIN20070315_131059_000000532056_00239_26345_0836.N1	15-MAR-2007 13:10:59	Dark	53.000	131	Gam Lup	2.8000	26000.	106	26345	No
116	GOM_NL__2PRFIN20070315_131307_000000482056_00239_26345_0837.N1	15-MAR-2007 13:13:07	Dark	47.500	78	Alp Lup	2.3040	28000.	95	26345	No
117	GOM_NL__2PRFIN20070315_131517_000000442056_00239_26345_0838.N1	15-MAR-2007 13:15:17	Dark	44.000	95	Zet Cen	2.5450	26000.	88	26345	No
118	GOM_NL__2PRFIN20070315_131725_000000422056_00239_26345_0839.N1	15-MAR-2007 13:17:25	Straylight	41.500	64	Gam Cen	2.2000	10600.	83	26345	No
119	GOM_NL__2PRFIN20070315_131935_000000482056_00239_26345_0840.N1	15-MAR-2007 13:19:35	Straylight	48.000	123	lot Cen	2.7500	10200.	96	26345	No
120	GOM_NL__2PRFIN20070315_132528_000000552056_00239_26345_0841.N1	15-MAR-2007 13:25:28	Straylight	54.500	106	9Bet Crv	2.6480	5600.0	109	26345	No
121	GOM_NL__2PRFIN20070315_132750_000000502056_00239_26345_0842.N1	15-MAR-2007 13:27:50	Straylight	49.500	100	4Gam Crv	2.5800	13100.	99	26345	No
122	GOM_NL__2PRFIN20070315_133910_000000482056_00239_26345_0843.N1	15-MAR-2007 13:39:10	Bright	47.500	62	94Bet Leo	2.1360	9700.0	95	26345	No
123	GOM_NL__2PRFIN20070315_134721_000000392056_00239_26345_0844.N1	15-MAR-2007 13:47:21	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	26345	No
124	GOM_NL__2PRFIN20070315_135030_000000392056_00239_26345_0845.N1	15-MAR-2007 13:50:30	Bright	39.000	82	48Bet UMa	2.3650	10600.	78	26345	No
125	GOM_NL__2PRFIN20070315_135159_000000412056_00239_26345_0846.N1	15-MAR-2007 13:51:59	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	26345	No
126	GOM_NL__2PRFIN20070315_135341_000000452056_00239_26345_0847.N1	15-MAR-2007 13:53:41	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26345	No
127	GOM_NL__2PRFIN20070315_135905_000000402056_00239_26345_0848.N1	15-MAR-2007 13:59:05	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	26345	No
128	GOM_NL__2PRFIN20070315_140313_000000482056_00239_26345_0849.N1	15-MAR-2007 14:03:13	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	26345	No
129	GOM_NL__2PRFIN20070315_141222_000000382056_00239_26345_0850.N1	15-MAR-2007 14:12:22	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	26345	No
130	GOM_NL__2PRFIN20070315_141347_000000352056_00239_26345_0851.N1	15-MAR-2007 14:13:47	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	26345	No
131	GOM_NL__2PRFIN20070315_142346_000000512056_00239_26345_0852.N1	15-MAR-2007 14:23:46	Tw_i_and_stray	51.000	11	53Alp Aql	0.76500	8000.0	102	26345	No
132	GOM_NL__2PRFIN20070315_143351_000000452056_00239_26345_0853.N1	15-MAR-2007 14:33:51	Dark	44.500	155	41Pi Sgr	2.9000	6600.0	89	26345	No
133	GOM_NL__2PRFIN20070315_143552_000000452056_00239_26345_0854.N1	15-MAR-2007 14:35:52	Dark	45.000	57	34Sig Sgr	2.0660	26000.	90	26345	No
134	GOM_NL__2PRFIN20070315_143919_000000562056_00239_26345_0855.N1	15-MAR-2007 14:39:19	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	26345	No
135	GOM_NL__2PRFIN20070315_145136_000000542056_00240_26346_0851.N1	15-MAR-2007 14:51:36	Dark	53.500	131	Gam Lup	2.8000	26000.	107	26346	No
136	GOM_NL__2PRFIN20070315_145344_000000462056_00240_26346_0852.N1	15-MAR-2007 14:53:44	Dark	46.000	78	Alp Lup	2.3040	28000.	92	26346	No
137	GOM_NL__2PRFIN20070315_145510_000000512056_00240_26346_0853.N1	15-MAR-2007 14:55:10	Dark	51.000	81	Eta Cen	2.3560	28000.	102	26346	No
138	GOM_NL__2PRFIN20070315_145818_000000252056_00240_26346_0854.N1	15-MAR-2007 14:58:18	Straylight	25.000	54	5The Cen	2.0550	4500.0	50	26346	No
139	GOM_NL__2PRFIN20070315_150012_000000532056_00240_26346_0855.N1	15-MAR-2007 15:00:12	Straylight	52.500	123	lot Cen	2.7500	10200.	105	26346	No
140	GOM_NL__2PRFIN20070315_150604_000000542056_00240_26346_0856.N1	15-MAR-2007 15:06:04	Straylight	53.500	106	9Bet Crv	2.6480	5600.0	107	26346	No
141	GOM_NL__2PRFIN20070315_150826_000000492056_00240_26346_0857.N1	15-MAR-2007 15:08:26	Straylight	48.500	100	4Gam Crv	2.5800	13100.	97	26346	No
142	GOM_NL__2PRFIN20070315_151945_000000462056_00240_26346_0858.N1	15-MAR-2007 15:19:45	Bright	46.000	62	94Bet Leo	2.1360	9700.0	92	26346	No
143	GOM_NL__2PRFIN20070315_152756_000000392056_00240_26346_0859.N1	15-MAR-2007 15:27:56	Bright	39.000	174	52Psi UMa	3.0040	4400.0	78	26346	No
144	GOM_NL__2PRFIN20070315_153106_000000362056_00240_26346_0860.N1	15-MAR-2007 15:31:06	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	26346	No
145	GOM_NL__2PRFIN20070315_153235_000000392056_00240_26346_0861.N1	15-MAR-2007 15:32:35	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	26346	No
146	GOM_NL__2PRFIN20070315_153417_000000602056_00240_26346_0862.N1	15-MAR-2007 15:34:17	Bright	59.500	32	77Eps UMa	1.7630	11000.	119	26346	No
147	GOM_NL__2PRFIN20070315_153941_000000402056_00240_26346_0863.N1	15-MAR-2007 15:39:41	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	26346	No
148	GOM_NL__2PRFIN20070315_154349_000000472056_00240_26346_0864.N1	15-MAR-2007 15:43:49	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	26346	No
149	GOM_NL__2PRFIN20070315_155258_000000382056_00240_26346_0865.N1	15-MAR-2007 15:52:58	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	26346	No
150	GOM_NL__2PRFIN20070315_155423_000000552056_00240_26346_0866.N1	15-MAR-2007 15:54:23	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	26346	No
151	GOM_NL__2PRFIN20070315_160422_000000552056_00240_26346_0867.N1	15-MAR-2007 16:04:22	Tw_i_and_stray	54.500	11	53Alp Aql	0.76500	8000.0	109	26346	No
152	GOM_NL__2PRFIN20070315_161428_000000432056_00240_26346_0868.N1	15-MAR-2007 16:14:28	Dark	42.500	155	41Pi Sgr	2.9000	6600.0	85	26346	No
153	GOM_NL__2PRFIN20070315_161629_000000442056_00240_26346_0869.N1	15-MAR-2007 16:16:29	Dark	44.000	57	34Sig Sgr	2.0660	26000.	88	26346	No
154	GOM_NL__2PRFIN20070315_161956_000000552056_00240_26346_0870.N1	15-MAR-2007 16:19:56	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	26346	No
155	GOM_NL__2PRFIN20070315_163214_000000532056_00241_26347_0865.N1	15-MAR-2007 16:32:14	Dark	53.000	131	Gam Lup	2.8000	26000.	106	26347	No
156	GOM_NL__2PRFIN20070315_163421_000000462056_00241_26347_0866.N1	15-MAR-2007 16:34:21	Dark	46.000	78	Alp Lup	2.3040	28000.	92	26347	No
157	GOM_NL__2PRFIN20070315_163546_000000502056_00241_26347_0867.N1	15-MAR-2007 16:35:46	Dark	50.000	81	Eta Cen	2.3560	28000.	100	26347	No
158	GOM_NL__2PRFIN20070315_163855_000000252056_00241_26347_0868.N1	15-MAR-2007 16:38:55	Straylight	25.000	54	5The Cen	2.0550	4500.0	50	26347	No
159	GOM_NL__2PRFIN20070315_164048_000000522056_00241_26347_0869.N1	15-MAR-2007 16:40:48	Straylight	52.000	123	lot Cen	2.7500	10200.	104	26347	No
160	GOM_NL__2PRFIN20070315_164641_000000552056_00241_26347_0870.N1	15-MAR-2007 16:46:41	Straylight	55.000	106	9Bet Crv	2.6480	5600.0	110	26347	No

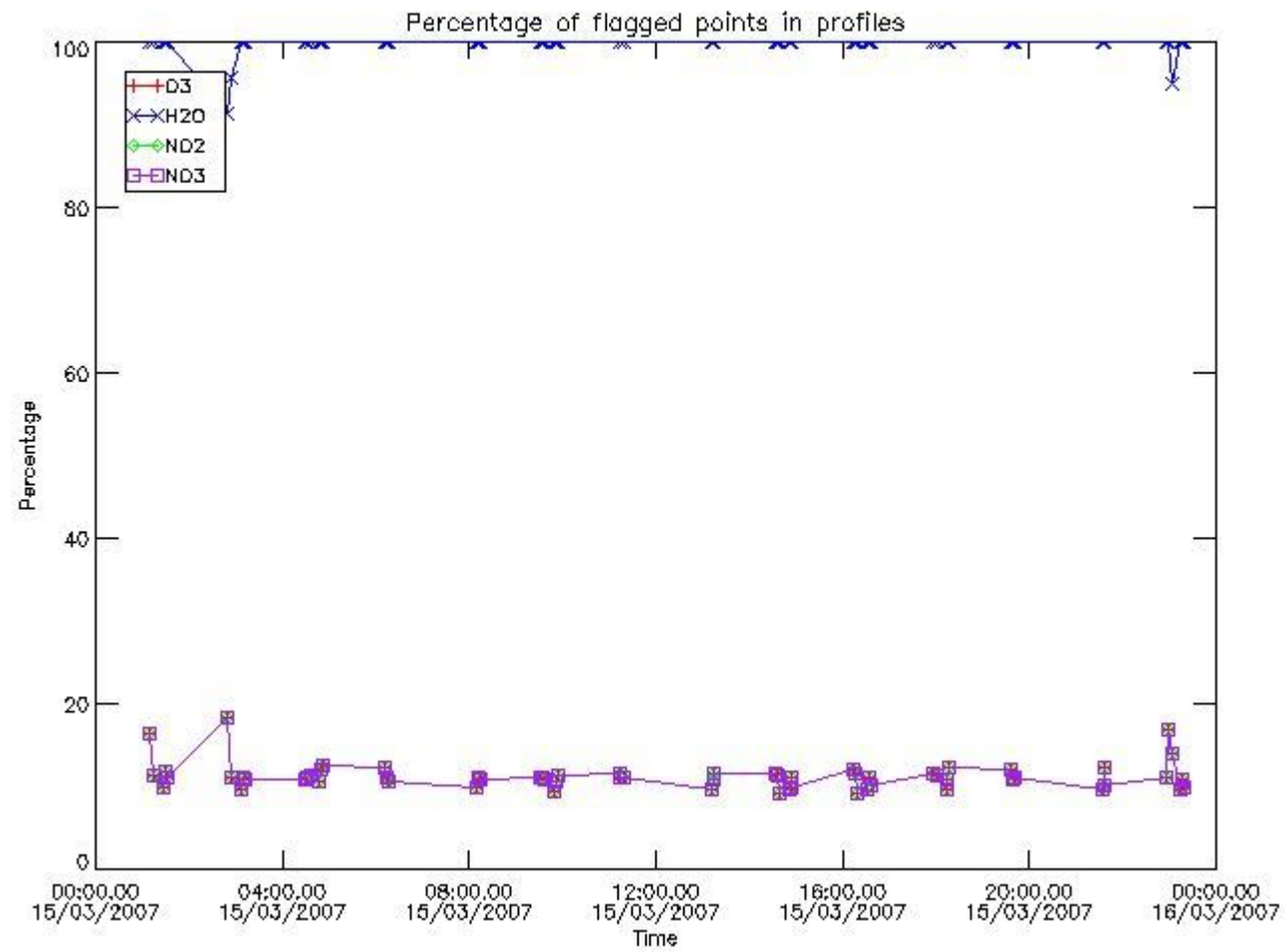
161	GOM_NL__2PRFIN20070315_164902_000000512056_00241_26347_0871.N1	15-MAR-2007 16:49:02	Twilight	51.000	100	4Gam Crv	2.5800	13100.	102	26347	No
162	GOM_NL__2PRFIN20070315_170021_000000472056_00241_26347_0872.N1	15-MAR-2007 17:00:21	Bright	47.000	62	94Bet Leo	2.1360	9700.0	94	26347	No
163	GOM_NL__2PRFIN20070315_170832_000000392056_00241_26347_0873.N1	15-MAR-2007 17:08:32	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	26347	No
164	GOM_NL__2PRFIN20070315_171142_000000392056_00241_26347_0874.N1	15-MAR-2007 17:11:42	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	26347	No
165	GOM_NL__2PRFIN20070315_171311_000000392056_00241_26347_0875.N1	15-MAR-2007 17:13:11	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	26347	No
166	GOM_NL__2PRFIN20070315_171452_000000452056_00241_26347_0876.N1	15-MAR-2007 17:14:52	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26347	No
167	GOM_NL__2PRFIN20070315_172017_000000412056_00241_26347_0877.N1	15-MAR-2007 17:20:17	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	26347	No
168	GOM_NL__2PRFIN20070315_172424_000000472056_00241_26347_0878.N1	15-MAR-2007 17:24:24	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	26347	No
169	GOM_NL__2PRFIN20070315_173333_000000392056_00241_26347_0879.N1	15-MAR-2007 17:33:33	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	26347	No
170	GOM_NL__2PRFIN20070315_173459_000000552056_00241_26347_0880.N1	15-MAR-2007 17:34:59	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	26347	No
171	GOM_NL__2PRFIN20070315_174458_000000492056_00241_26347_0881.N1	15-MAR-2007 17:44:58	Twilight	49.000	11	53Alp Aql	0.76500	8000.0	98	26347	No
172	GOM_NL__2PRFIN20070315_175505_000000452056_00241_26347_0882.N1	15-MAR-2007 17:55:05	Dark	44.500	155	41Pi Sgr	2.9000	6600.0	89	26347	No
173	GOM_NL__2PRFIN20070315_175706_000000452056_00241_26347_0883.N1	15-MAR-2007 17:57:06	Dark	44.500	57	34Sig Sgr	2.0660	26000.	89	26347	No
174	GOM_NL__2PRFIN20070315_180033_000000452056_00241_26347_0884.N1	15-MAR-2007 18:00:33	Dark	45.000	38	20Eps Sgr	1.8360	11000.	90	26347	No
175	GOM_NL__2PRFIN20070315_181251_000000532056_00242_26348_0888.N1	15-MAR-2007 18:12:51	Dark	53.000	131	Gam Lup	2.8000	26000.	106	26348	No
176	GOM_NL__2PRFIN20070315_181457_000000472056_00242_26348_0889.N1	15-MAR-2007 18:14:57	Dark	46.500	78	Alp Lup	2.3040	28000.	93	26348	No
177	GOM_NL__2PRFIN20070315_181623_000000502056_00242_26348_0890.N1	15-MAR-2007 18:16:23	Dark	50.000	81	Eta Cen	2.3560	28000.	100	26348	No
178	GOM_NL__2PRFIN20070315_181932_000000272056_00242_26348_0891.N1	15-MAR-2007 18:19:32	Straylight	26.500	54	5The Cen	2.0550	4500.0	53	26348	No
179	GOM_NL__2PRFIN20070315_182125_000000522056_00242_26348_0892.N1	15-MAR-2007 18:21:25	Straylight	51.500	123	lot Cen	2.7500	10200.	103	26348	No
180	GOM_NL__2PRFIN20070315_182717_000000562056_00242_26348_0893.N1	15-MAR-2007 18:27:17	Straylight	56.000	106	9Bet Crv	2.6480	5600.0	112	26348	No
181	GOM_NL__2PRFIN20070315_182938_000000532056_00242_26348_0894.N1	15-MAR-2007 18:29:38	Twilight	52.500	100	4Gam Crv	2.5800	13100.	105	26348	No
182	GOM_NL__2PRFIN20070315_184056_000000472056_00242_26348_0895.N1	15-MAR-2007 18:40:56	Bright	46.500	62	94Bet Leo	2.1360	9700.0	93	26348	No
183	GOM_NL__2PRFIN20070315_184907_000000392056_00242_26348_0896.N1	15-MAR-2007 18:49:07	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	26348	No
184	GOM_NL__2PRFIN20070315_185217_000000372056_00242_26348_0897.N1	15-MAR-2007 18:52:17	Bright	36.500	82	48Bet UMa	2.3650	10600.	73	26348	No
185	GOM_NL__2PRFIN20070315_185346_000000402056_00242_26348_0898.N1	15-MAR-2007 18:53:46	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	26348	No
186	GOM_NL__2PRFIN20070315_185527_000000452056_00242_26348_0899.N1	15-MAR-2007 18:55:27	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26348	No
187	GOM_NL__2PRFIN20070315_190052_000000412056_00242_26348_0900.N1	15-MAR-2007 19:00:52	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	26348	No
188	GOM_NL__2PRFIN20070315_190459_000000442056_00242_26348_0901.N1	15-MAR-2007 19:04:59	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	26348	No
189	GOM_NL__2PRFIN20070315_191409_000000392056_00242_26348_0902.N1	15-MAR-2007 19:14:09	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	26348	No
190	GOM_NL__2PRFIN20070315_191535_000000392056_00242_26348_0903.N1	15-MAR-2007 19:15:35	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	26348	No
191	GOM_NL__2PRFIN20070315_192535_000000502056_00242_26348_0904.N1	15-MAR-2007 19:25:35	Twilight	49.500	11	53Alp Aql	0.76500	8000.0	99	26348	No
192	GOM_NL__2PRFIN20070315_193541_000000472056_00242_26348_0905.N1	15-MAR-2007 19:35:41	Dark	46.500	155	41Pi Sgr	2.9000	6600.0	93	26348	No
193	GOM_NL__2PRFIN20070315_193743_000000472056_00242_26348_0906.N1	15-MAR-2007 19:37:43	Dark	46.500	57	34Sig Sgr	2.0660	26000.	93	26348	No
194	GOM_NL__2PRFIN20070315_194110_000000462056_00242_26348_0907.N1	15-MAR-2007 19:41:10	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	26348	No
195	GOM_NL__2PRFIN20070315_213405_000000532056_00244_26350_0916.N1	15-MAR-2007 21:34:05	Dark	52.500	131	Gam Lup	2.8000	26000.	105	26350	No
196	GOM_NL__2PRFIN20070315_213611_000000462056_00244_26350_0917.N1	15-MAR-2007 21:36:11	Dark	46.000	78	Alp Lup	2.3040	28000.	92	26350	No
197	GOM_NL__2PRFIN20070315_213737_000000502056_00244_26350_0918.N1	15-MAR-2007 21:37:37	Dark	50.000	81	Eta Cen	2.3560	28000.	100	26350	No
198	GOM_NL__2PRFIN20070315_214045_000000292056_00244_26350_0919.N1	15-MAR-2007 21:40:45	Straylight	29.000	54	5The Cen	2.0550	4500.0	58	26350	No
199	GOM_NL__2PRFIN20070315_214238_000000522056_00244_26350_0920.N1	15-MAR-2007 21:42:38	Straylight	51.500	123	lot Cen	2.7500	10200.	103	26350	No
200	GOM_NL__2PRFIN20070315_214829_000000532056_00244_26350_0921.N1	15-MAR-2007 21:48:29	Straylight	52.500	106	9Bet Crv	2.6480	5600.0	105	26350	No
201	GOM_NL__2PRFIN20070315_215050_000000512056_00244_26350_0922.N1	15-MAR-2007 21:50:50	Twilight	51.000	100	4Gam Crv	2.5800	13100.	102	26350	No
202	GOM_NL__2PRFIN20070315_220207_000000462056_00244_26350_0923.N1	15-MAR-2007 22:02:07	Bright	45.500	62	94Bet Leo	2.1360	9700.0	91	26350	No
203	GOM_NL__2PRFIN20070315_221018_000000392056_00244_26350_0924.N1	15-MAR-2007 22:10:18	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	26350	No
204	GOM_NL__2PRFIN20070315_221328_000000382056_00244_26350_0925.N1	15-MAR-2007 22:13:28	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	26350	No
205	GOM_NL__2PRFIN20070315_221458_000000402056_00244_26350_0926.N1	15-MAR-2007 22:14:58	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	26350	No
206	GOM_NL__2PRFIN20070315_221638_000000462056_00244_26350_0927.N1	15-MAR-2007 22:16:38	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	26350	No
207	GOM_NL__2PRFIN20070315_222203_000000412056_00244_26350_0928.N1	15-MAR-2007 22:22:03	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	26350	No
208	GOM_NL__2PRFIN20070315_222610_000000462056_00244_26350_0929.N1	15-MAR-2007 22:26:10	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	26350	No
209	GOM_NL__2PRFIN20070315_223521_000000392056_00244_26350_0930.N1	15-MAR-2007 22:35:21	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	26350	No
210	GOM_NL__2PRFIN20070315_223647_000000392056_00244_26350_0931.N1	15-MAR-2007 22:36:47	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	26350	No
211	GOM_NL__2PRFIN20070315_224647_000000522056_00244_26350_0932.N1	15-MAR-2007 22:46:47	Twilight	51.500	11	53Alp Aql	0.76500	8000.0	103	26350	No
212	GOM_NL__2PRFIN20070315_225655_000000462056_00244_26350_0933.N1	15-MAR-2007 22:56:55	Dark	45.500	155	41Pi Sgr	2.9000	6600.0	91	26350	No
213	GOM_NL__2PRFIN20070315_225856_000000452056_00244_26350_0934.N1	15-MAR-2007 22:58:56	Dark	45.000	57	34Sig Sgr	2.0660	26000.	90	26350	No
214	GOM_NL__2PRFIN20070315_230223_000000512056_00244_26350_0935.N1	15-MAR-2007 23:02:23	Dark	50.500	38	20Eps Sgr	1.8360	11000.	101	26350	No
215	GOM_NL__2PRFIN20070315_231442_000000532056_00245_26351_0930.N1	15-MAR-2007 23:14:42	Dark	53.000	131	Gam Lup	2.8000	26000.	106	26351	No
216	GOM_NL__2PRFIN20070315_231648_000000482056_00245_26351_0931.N1	15-MAR-2007 23:16:48	Dark	47.500	78	Alp Lup	2.3040	28000.	95	26351	No
217	GOM_NL__2PRFIN20070315_231814_000000512056_00245_26351_0932.N1	15-MAR-2007 23:18:14	Dark	51.000	81	Eta Cen	2.3560	28000.	102	26351	No
218	GOM_NL__2PRFIN20070315_232122_000000292056_00245_26351_0933.N1	15-MAR-2007 23:21:22	Straylight	29.000	54	5The Cen	2.0550	4500.0	58	26351	No
219	GOM_NL__2PRFIN20070315_232314_000000512056_00245_26351_0934.N1	15-MAR-2007 23:23:14	Straylight	51.000	123	lot Cen	2.7500	10200.	102	26351	No

220	GOM_NL__2PRFIN20070315_232905_000000552056_00245_26351_0935.N1	15-MAR-2007 23:29:05	Straylight	55.000	106	9Bet Crv	2.6480	5600.0	110	26351	No
221	GOM_NL__2PRFIN20070315_233126_000000512056_00245_26351_0936.N1	15-MAR-2007 23:31:26	Twilight_stray	51.000	100	4Gam Crv	2.5800	13100.	102	26351	No
222	GOM_NL__2PRFIN20070315_234242_000000462056_00245_26351_0937.N1	15-MAR-2007 23:42:42	Bright	45.500	62	94Bet Leo	2.1360	9700.0	91	26351	No
223	GOM_NL__2PRFIN20070315_235054_000000402056_00245_26351_0938.N1	15-MAR-2007 23:50:54	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	26351	No
224	GOM_NL__2PRFIN20070315_235404_000000482056_00245_26351_0939.N1	15-MAR-2007 23:54:04	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	26351	No
225	GOM_NL__2PRFIN20070315_235533_000000392056_00245_26351_0940.N1	15-MAR-2007 23:55:33	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	26351	No
226	GOM_NL__2PRFIN20070315_235713_000000452056_00245_26351_0941.N1	15-MAR-2007 23:57:13	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	26351	No

3. Quality information per product

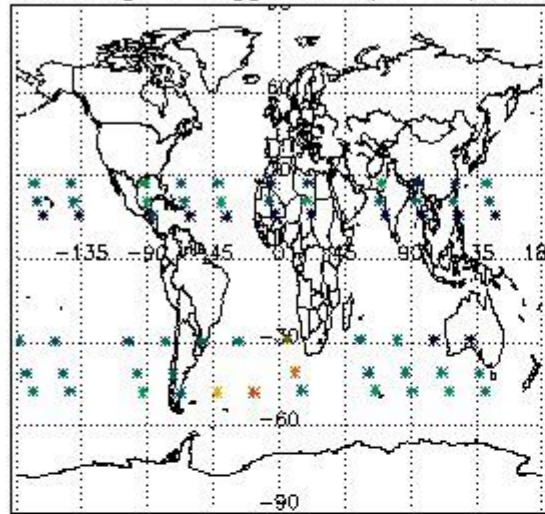
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

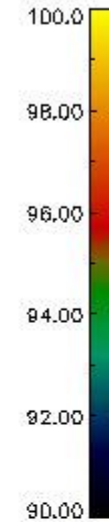
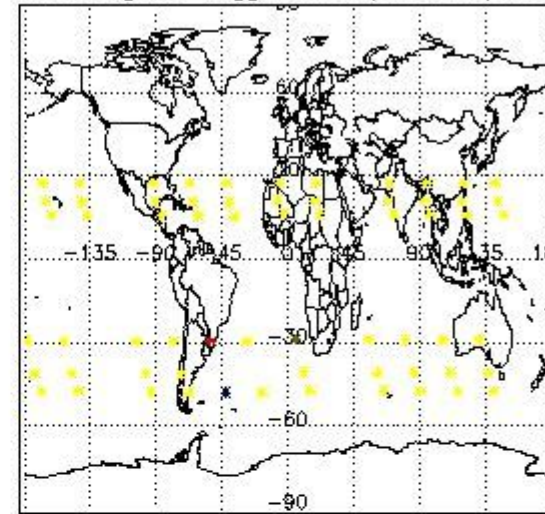


3.2 Plot quality information per product (world map)

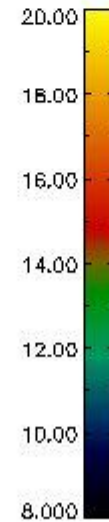
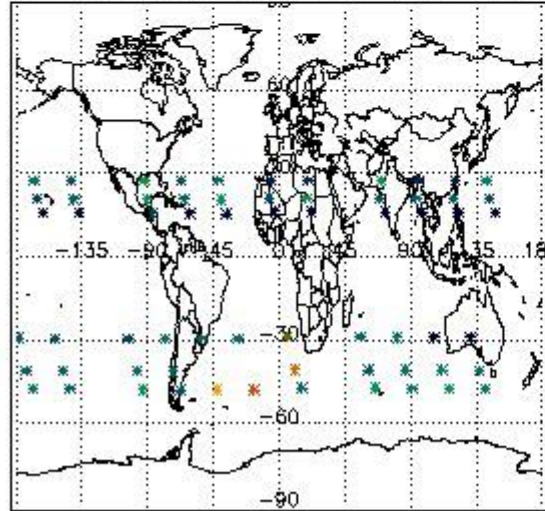
Percentage of flagged data per O3 profile



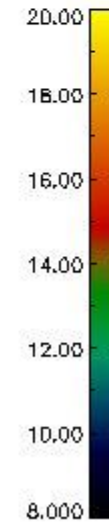
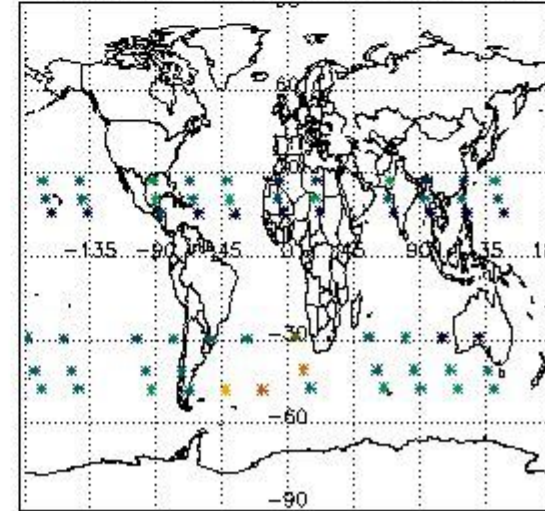
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

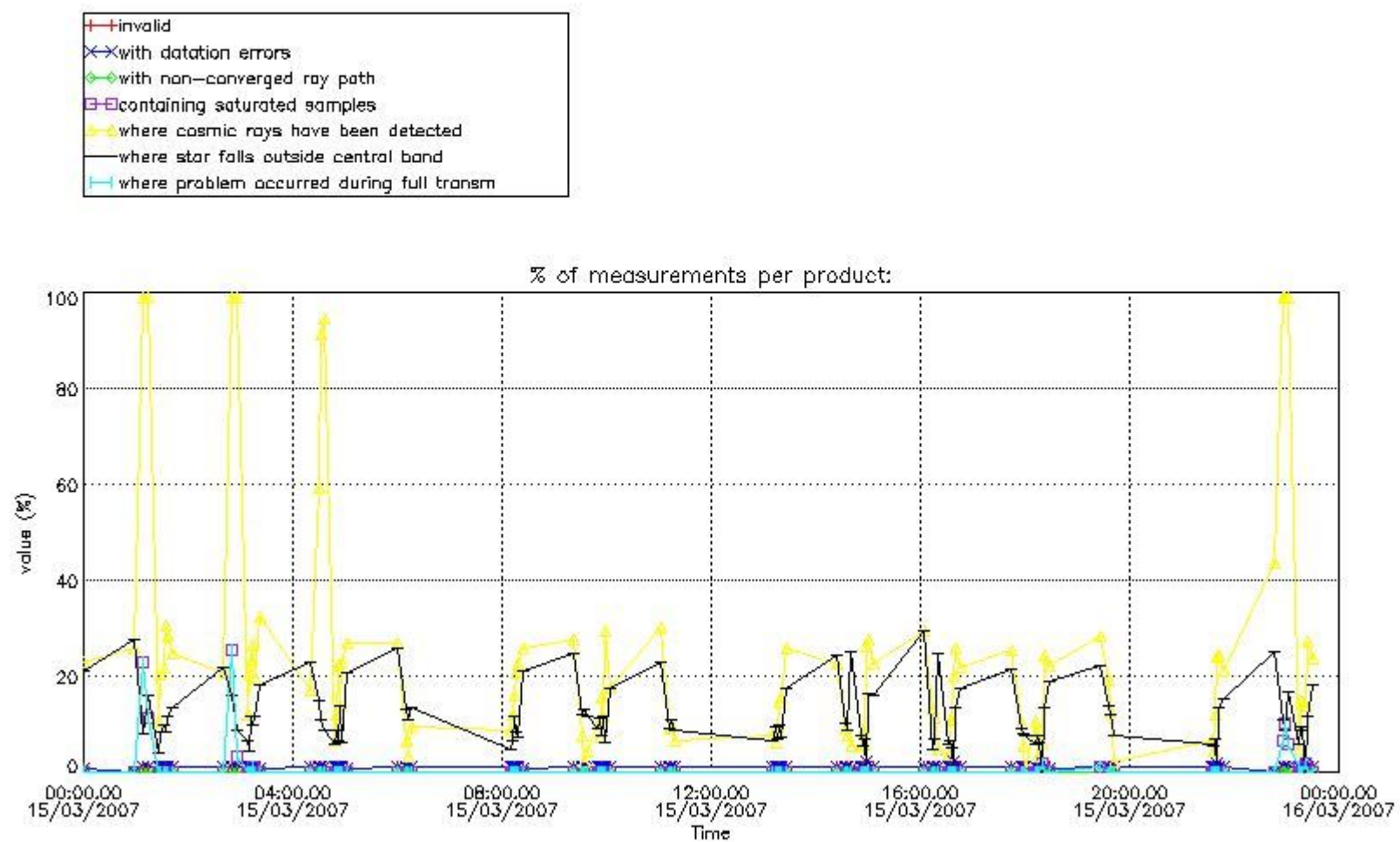


4. Level 1 quality information per product

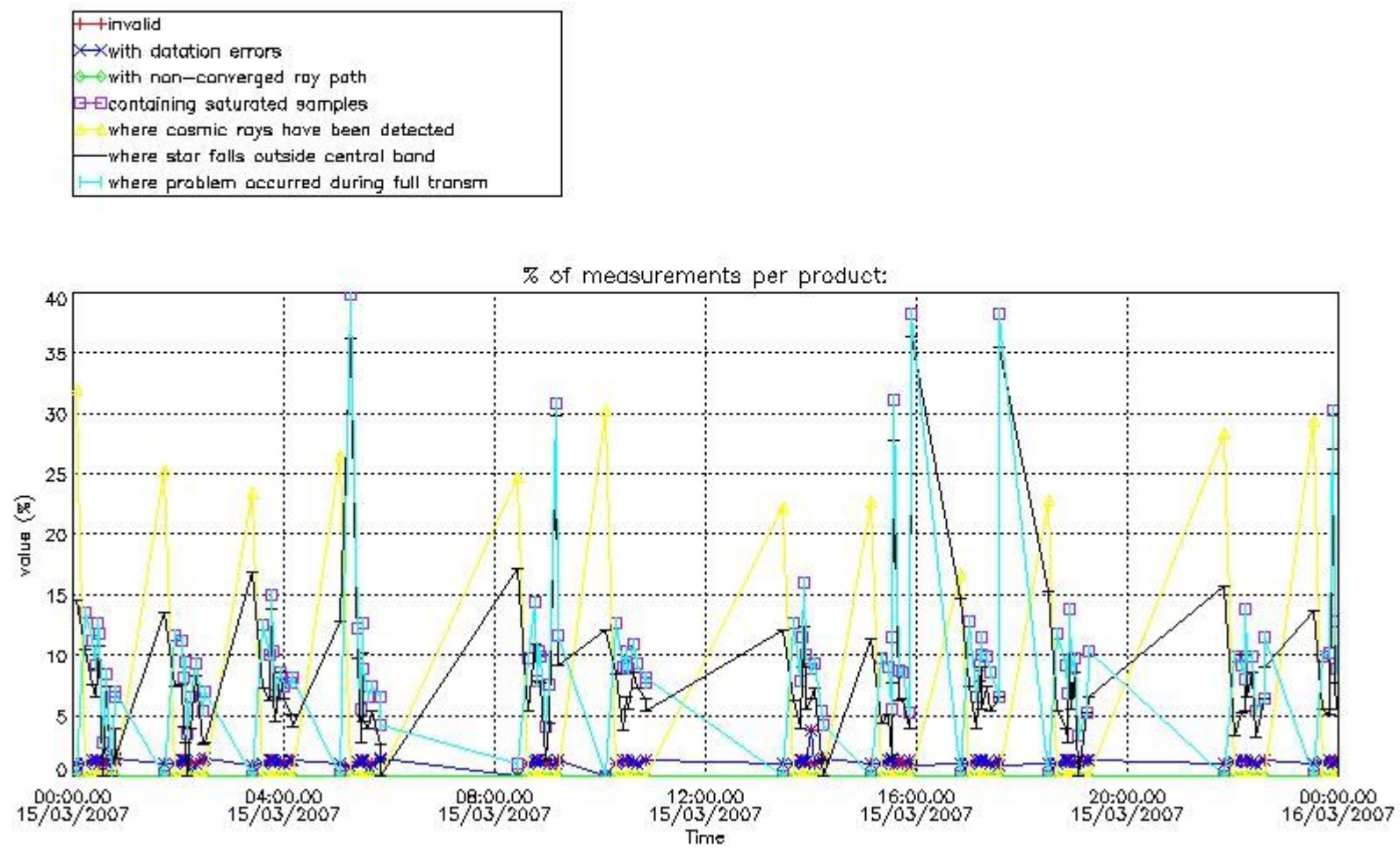
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

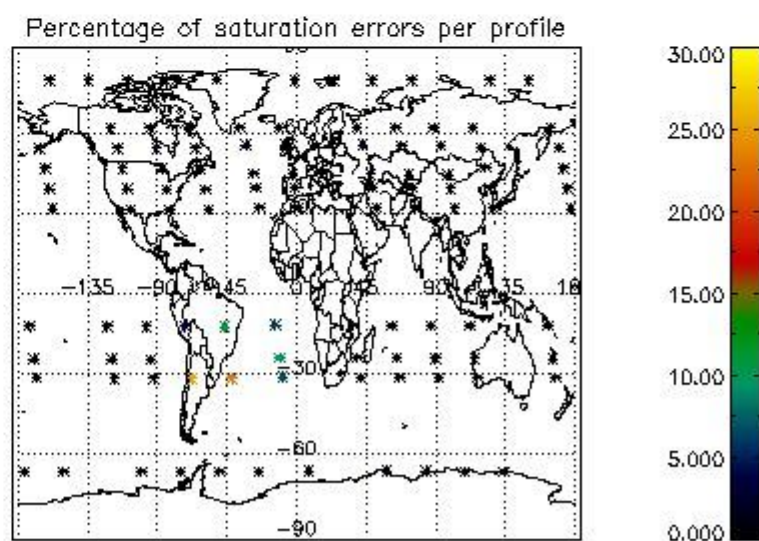
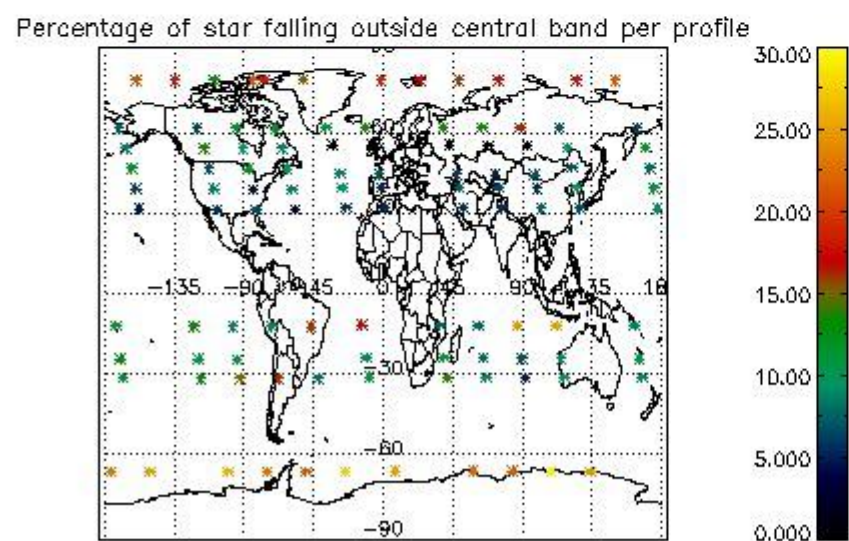
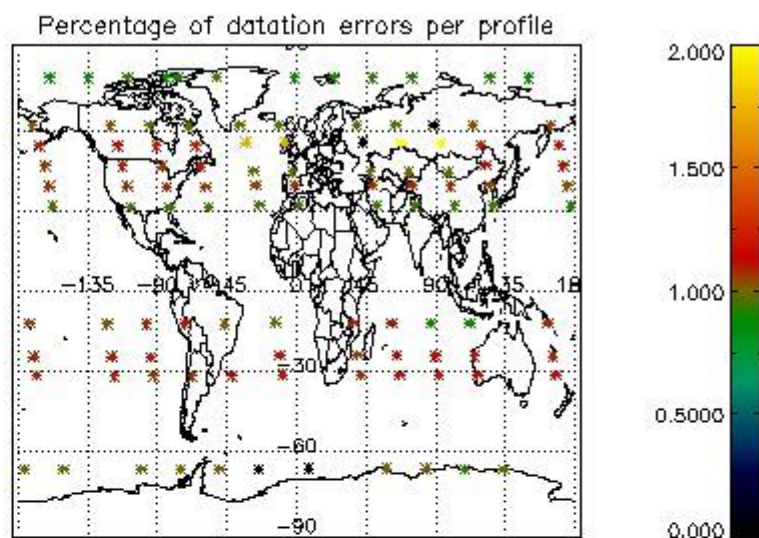
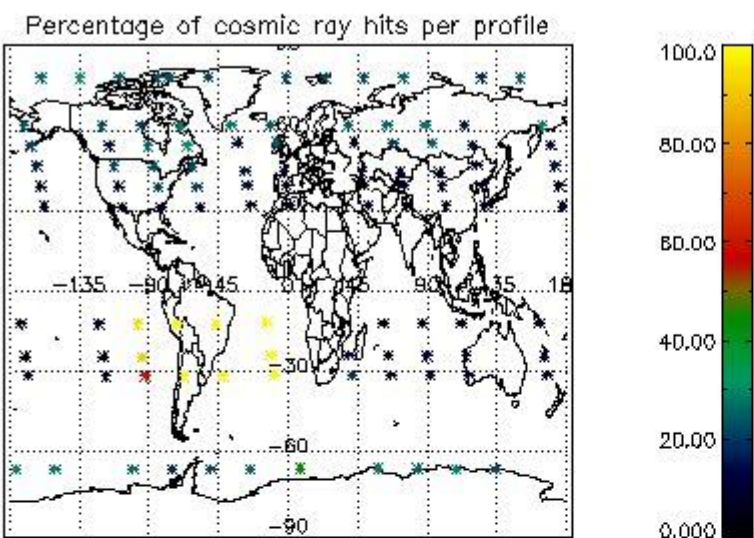


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

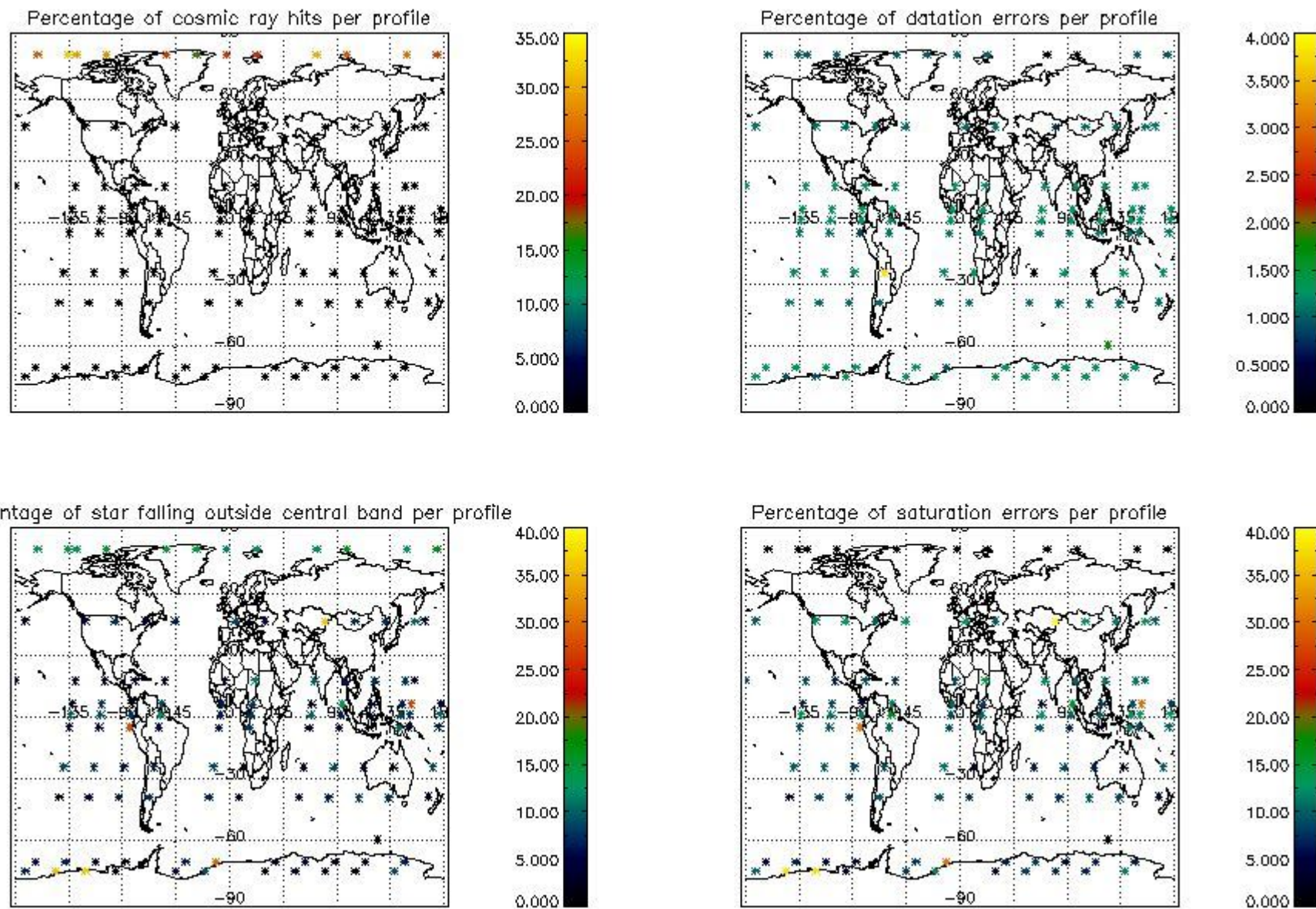


4.2 Plot quality information per product coming from level 1b processing (world map)

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

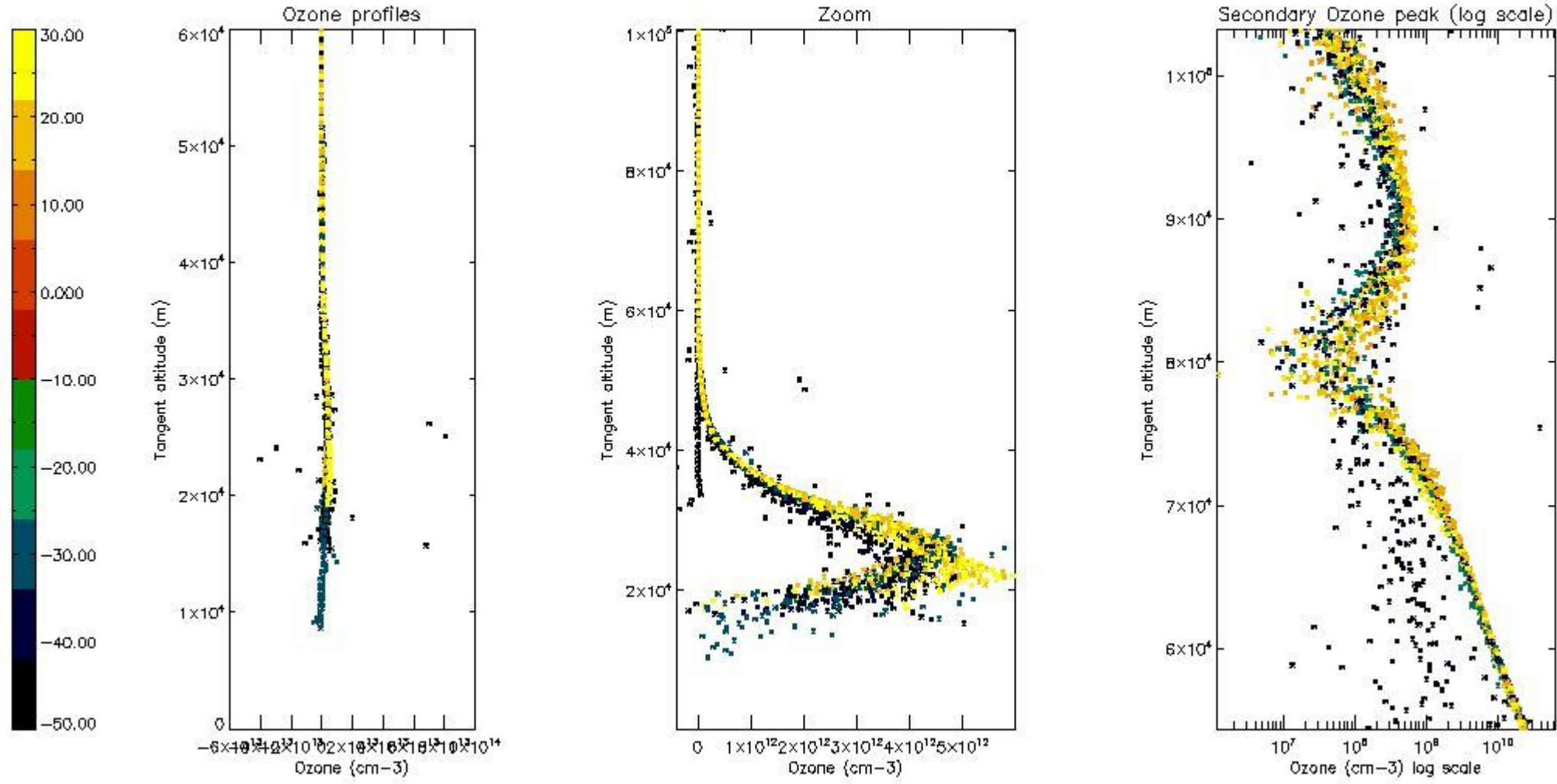
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	19

STD < 10	16
STD < 5	12

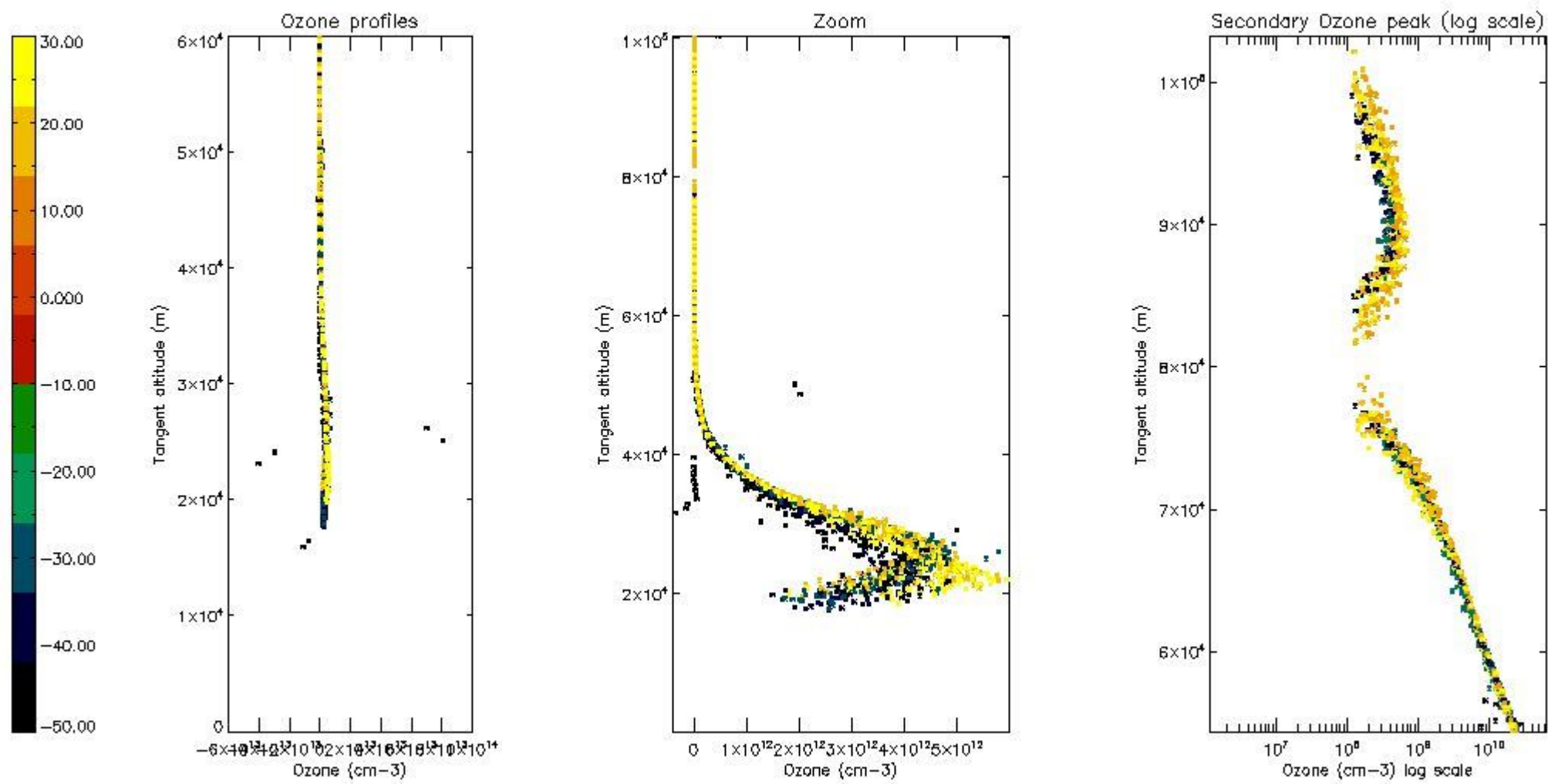
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



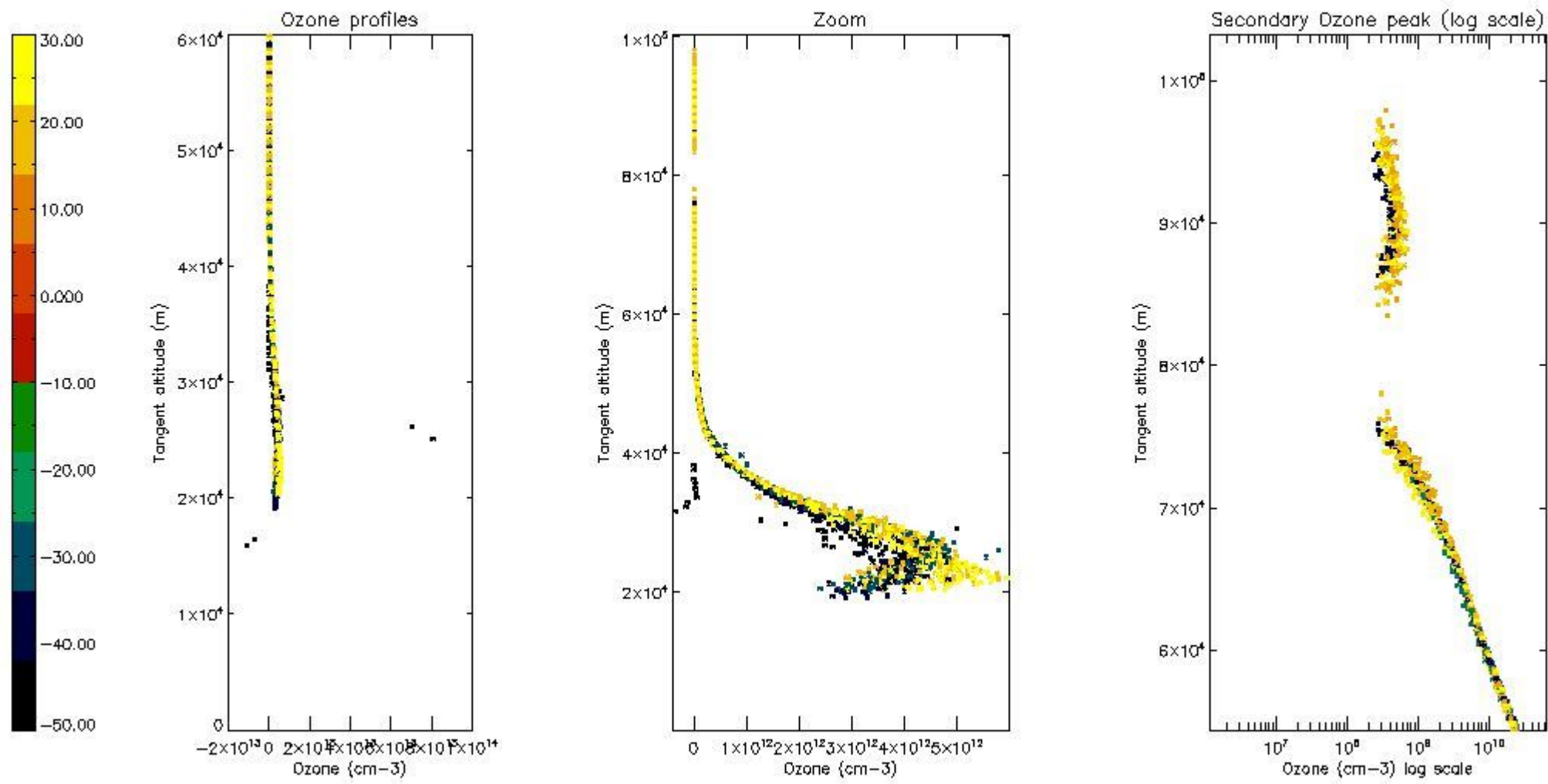
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



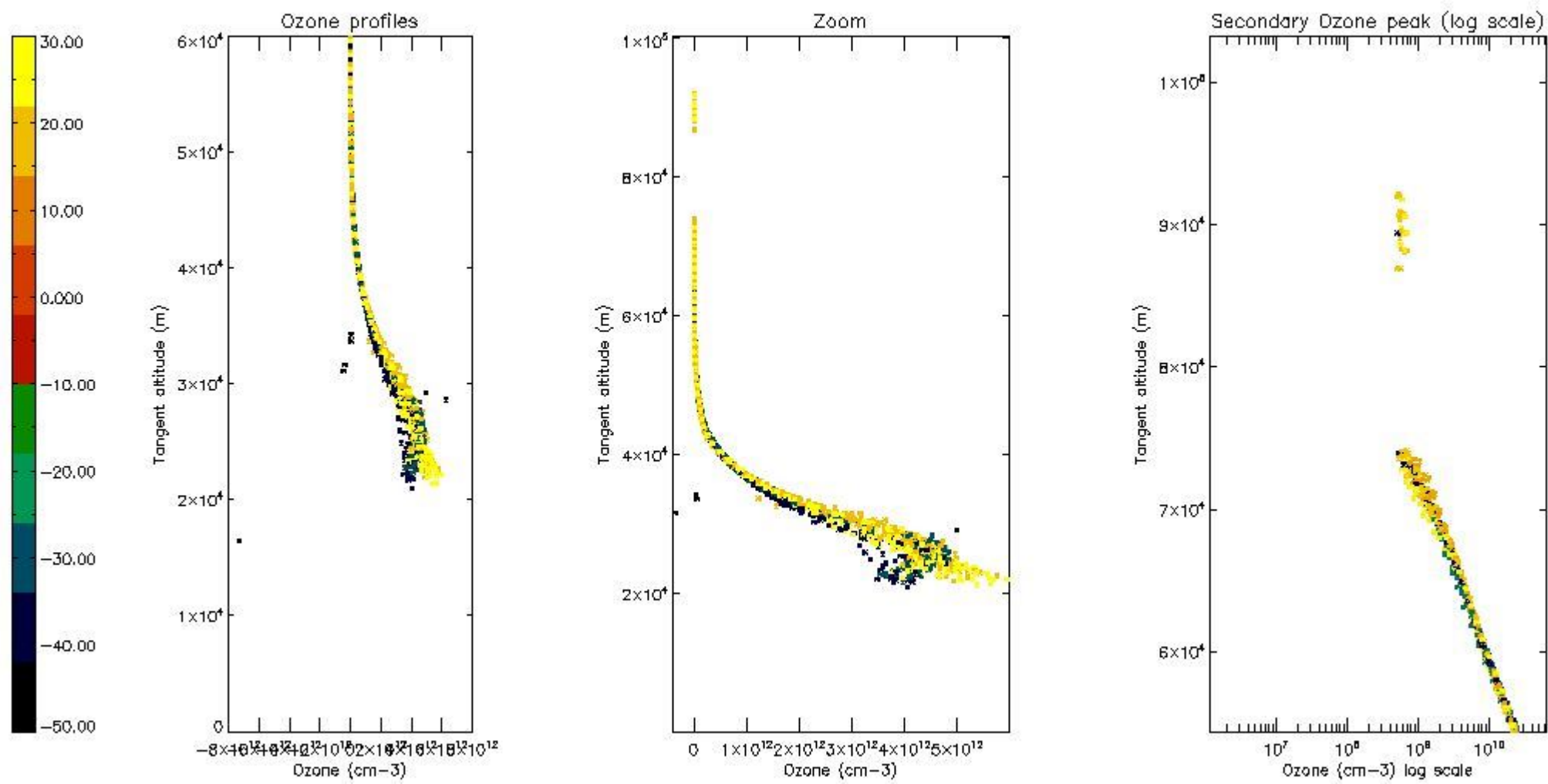
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



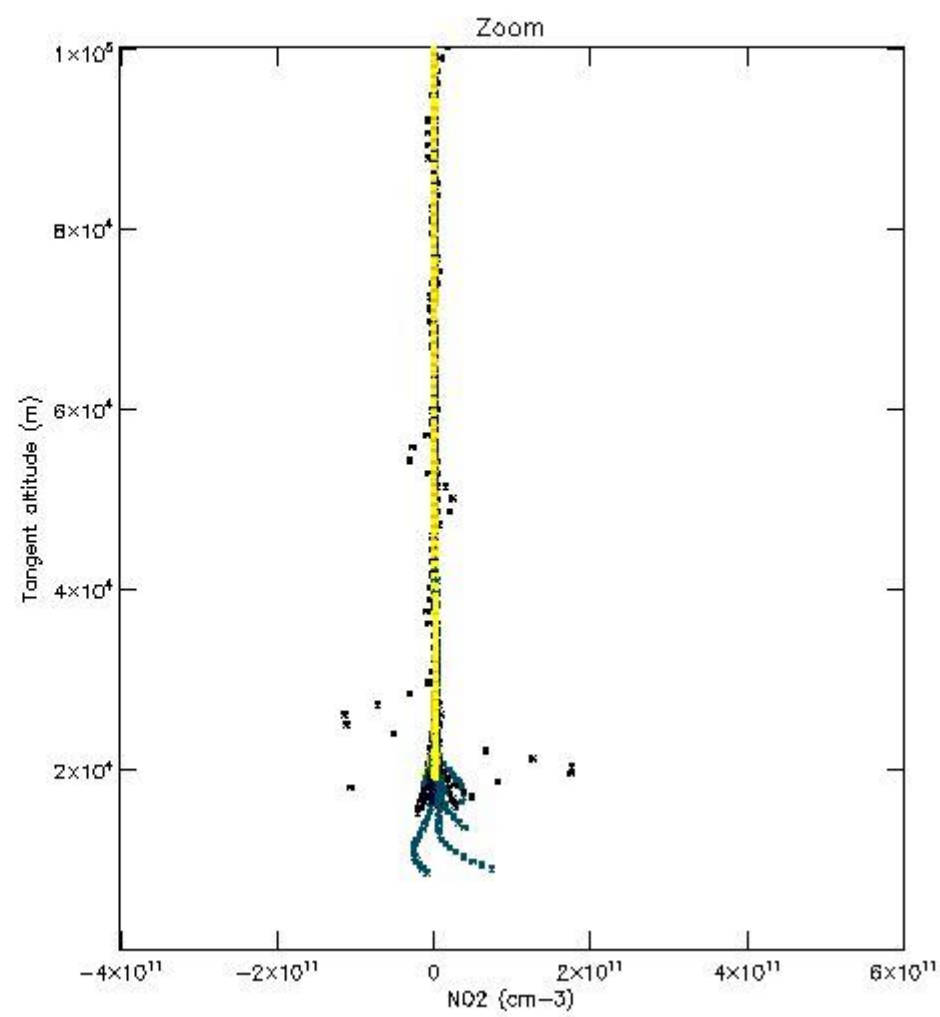
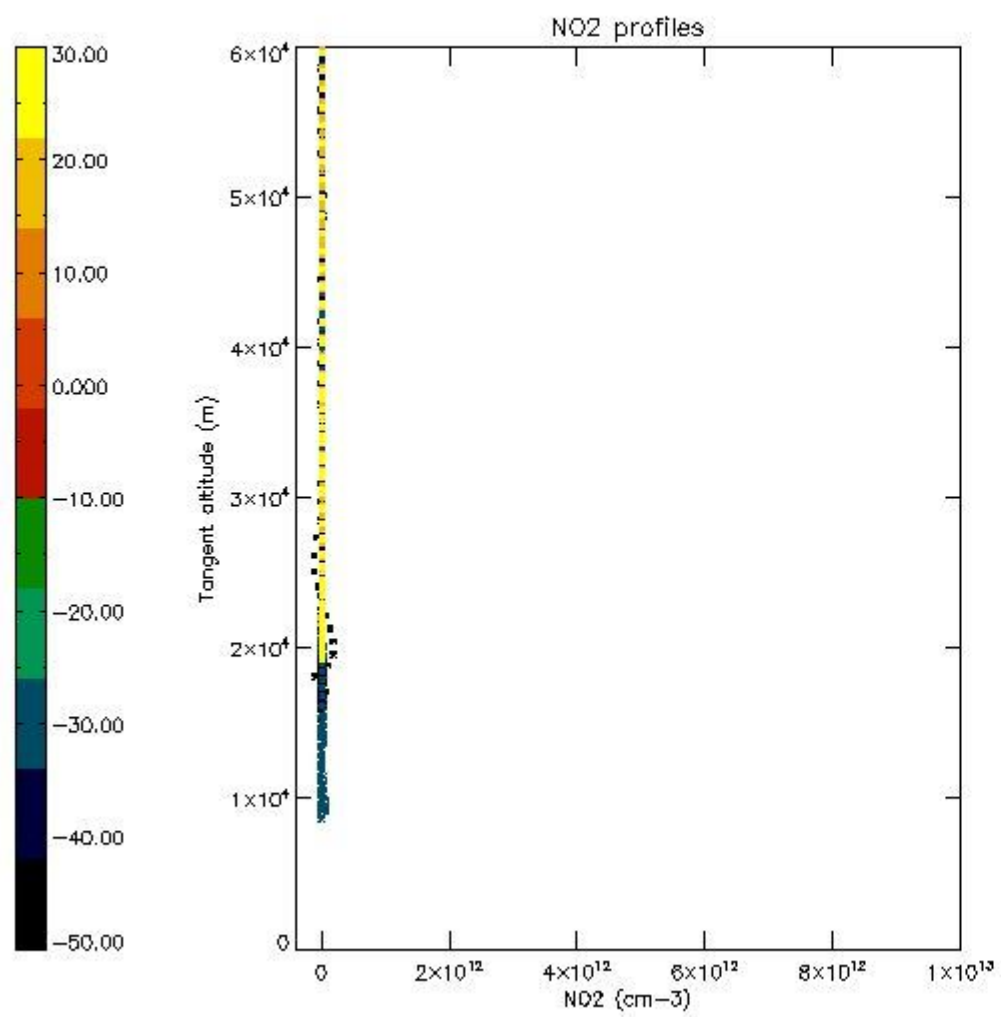
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



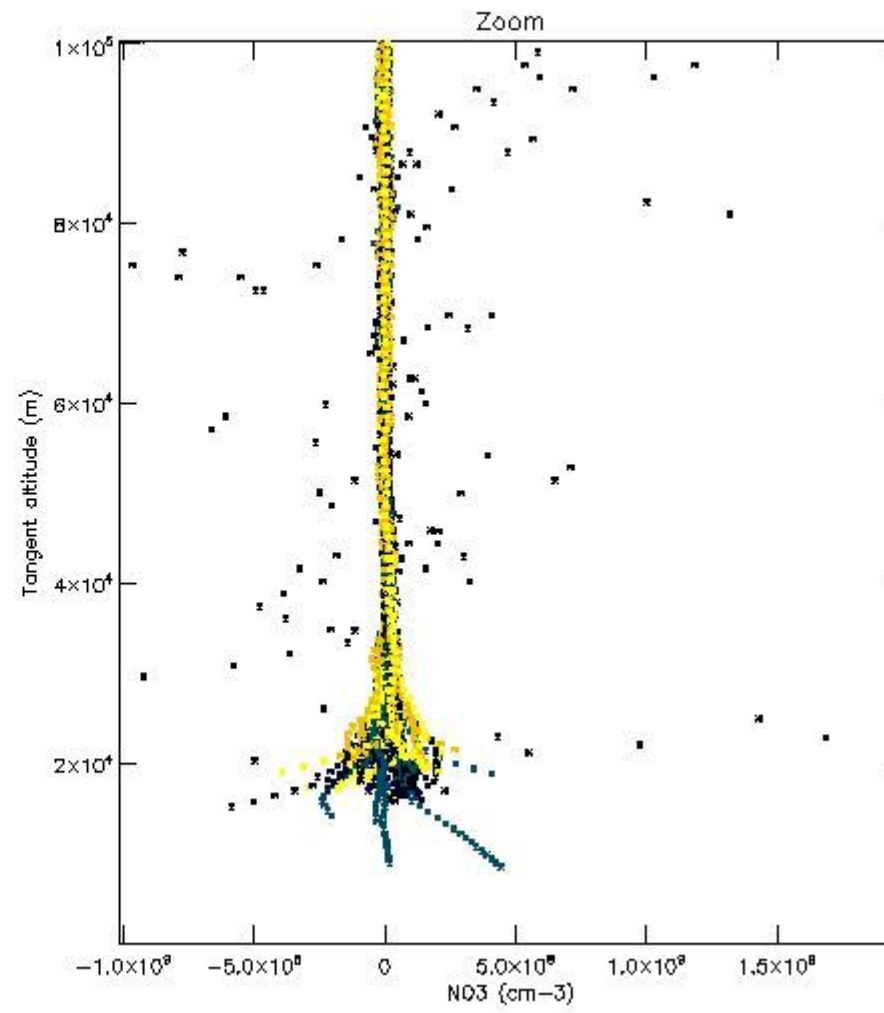
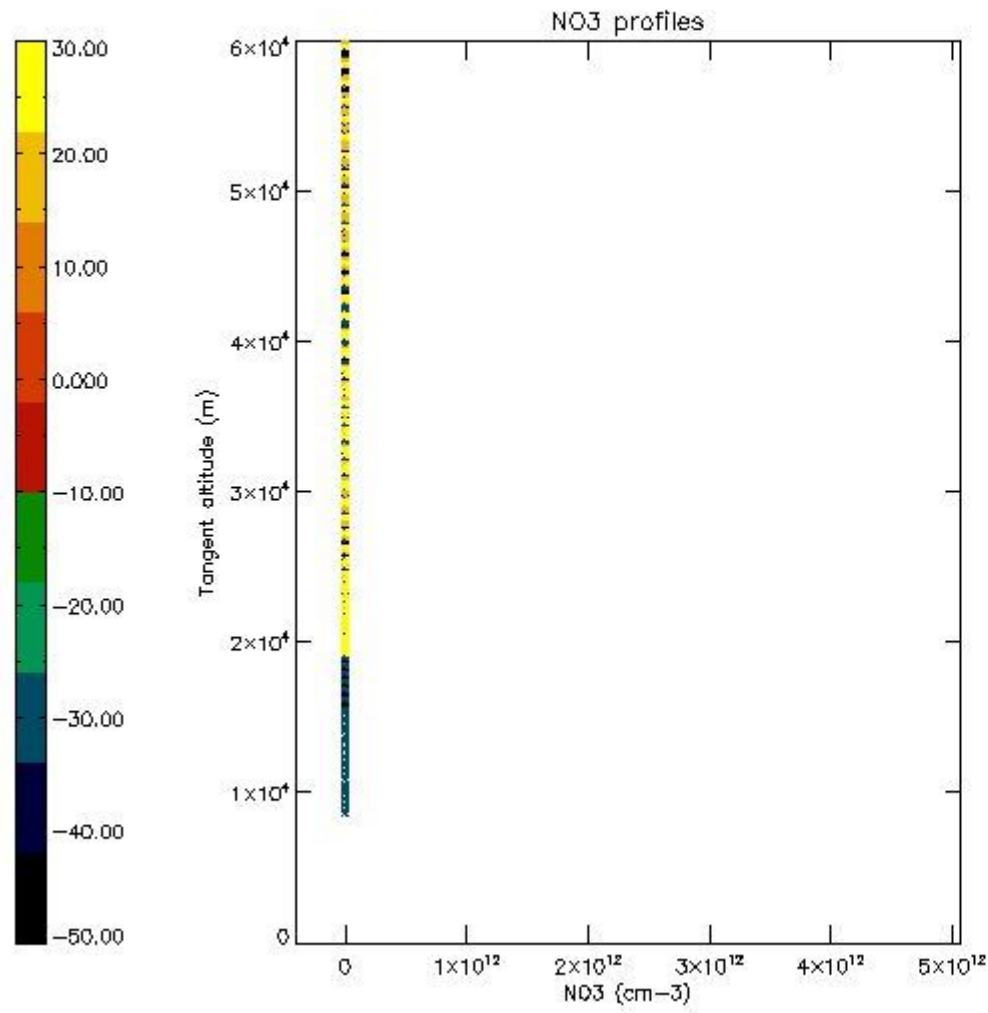
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

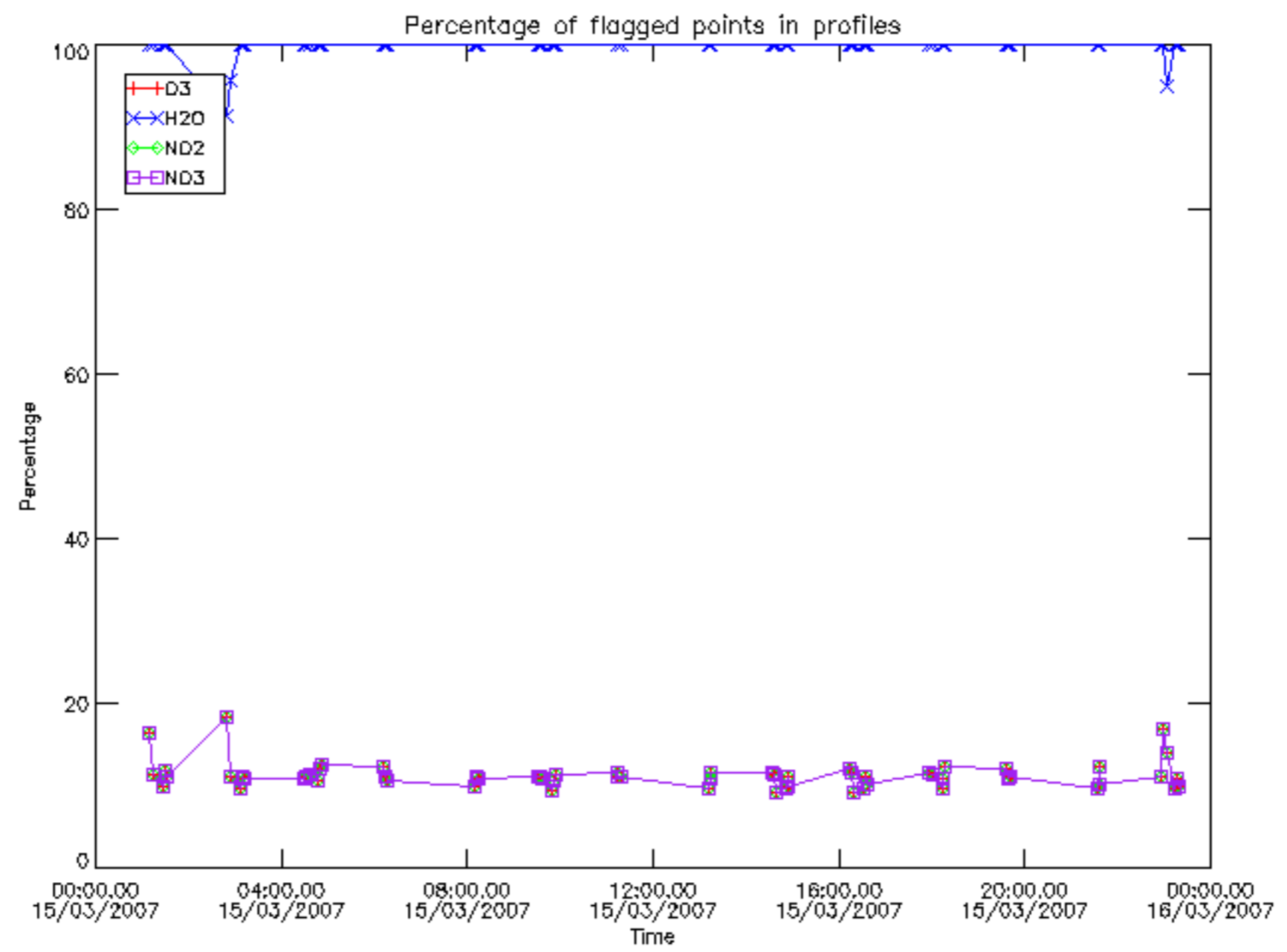
The colorbar represents the latitude.



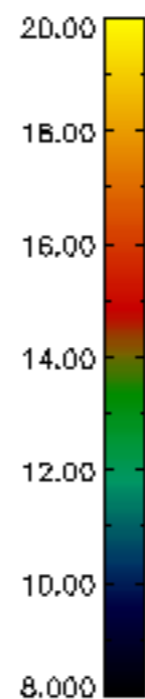
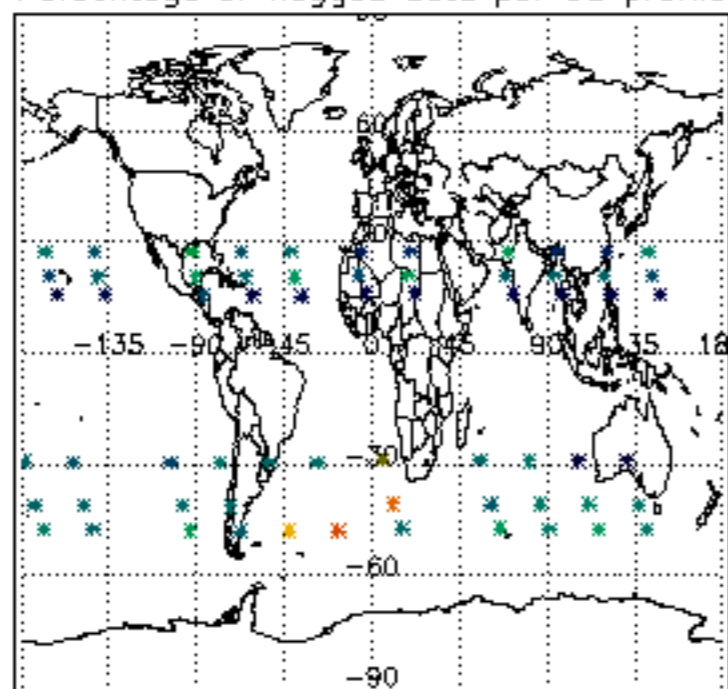
6. Auxiliary Data Files used for the production reported in section 2

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.

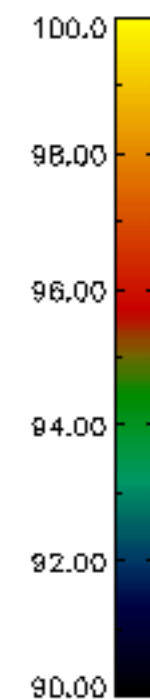
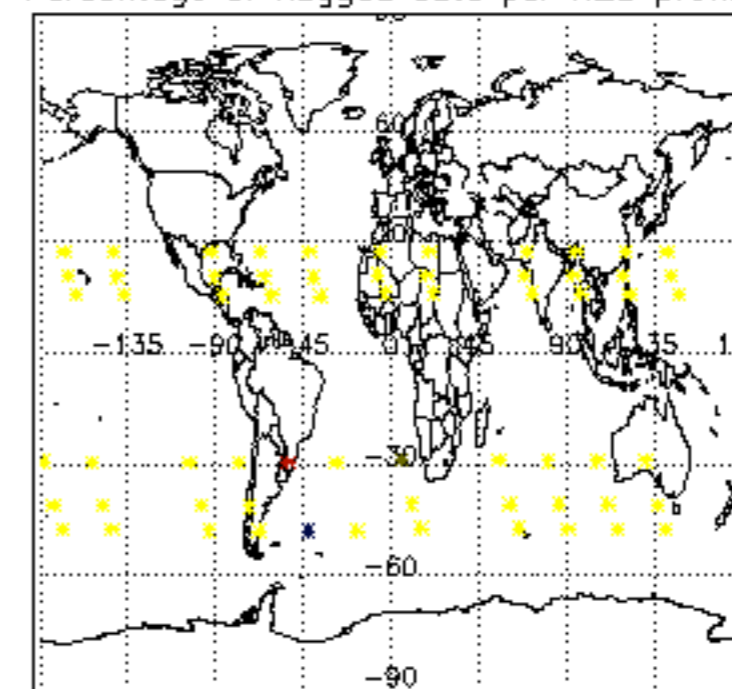
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-MAR-2007 00:00:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-MAR-2007 00:00:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-MAR-2007 00:00:38



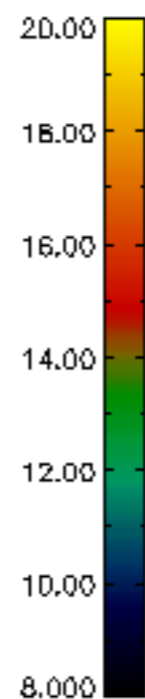
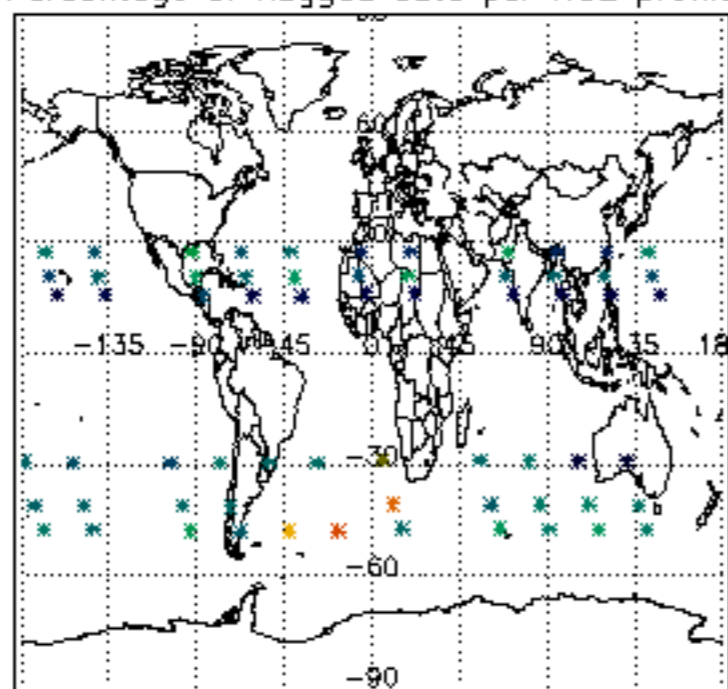
Percentage of flagged data per D3 profile



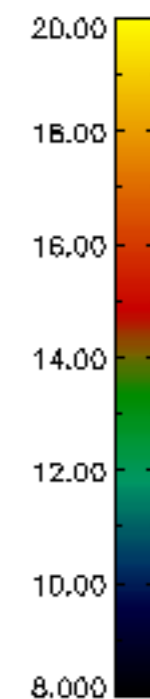
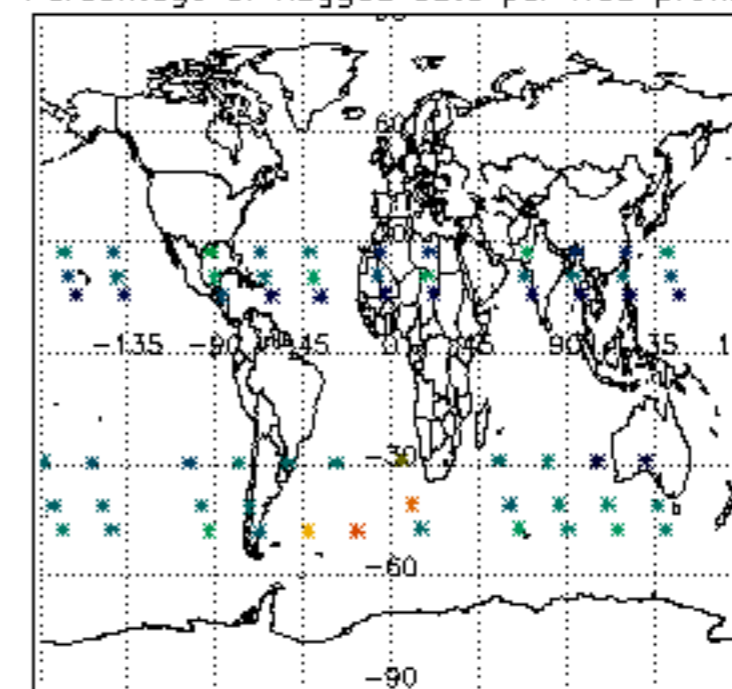
Percentage of flagged data per H2O profile

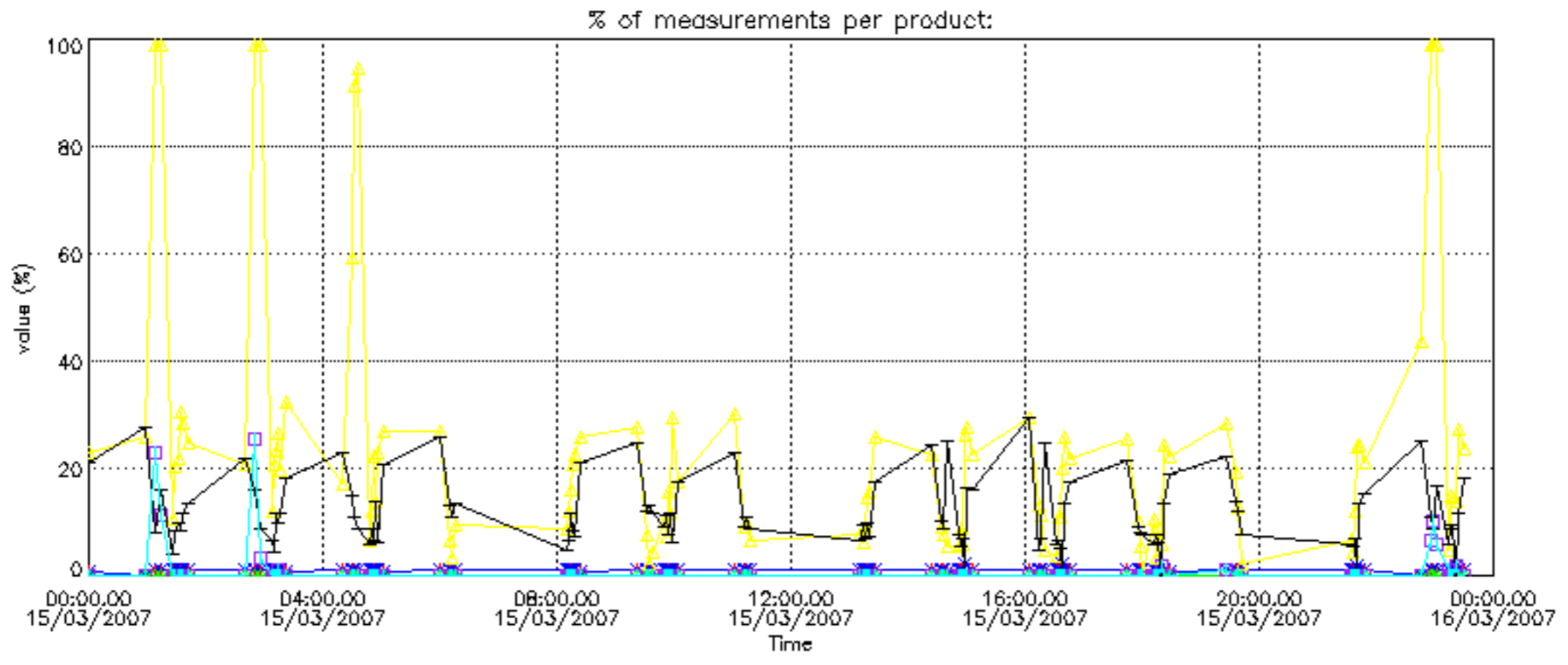
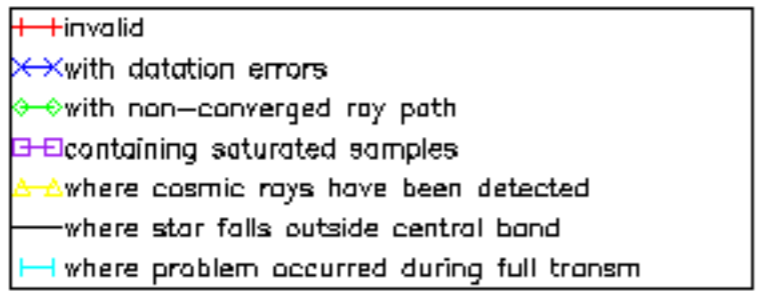


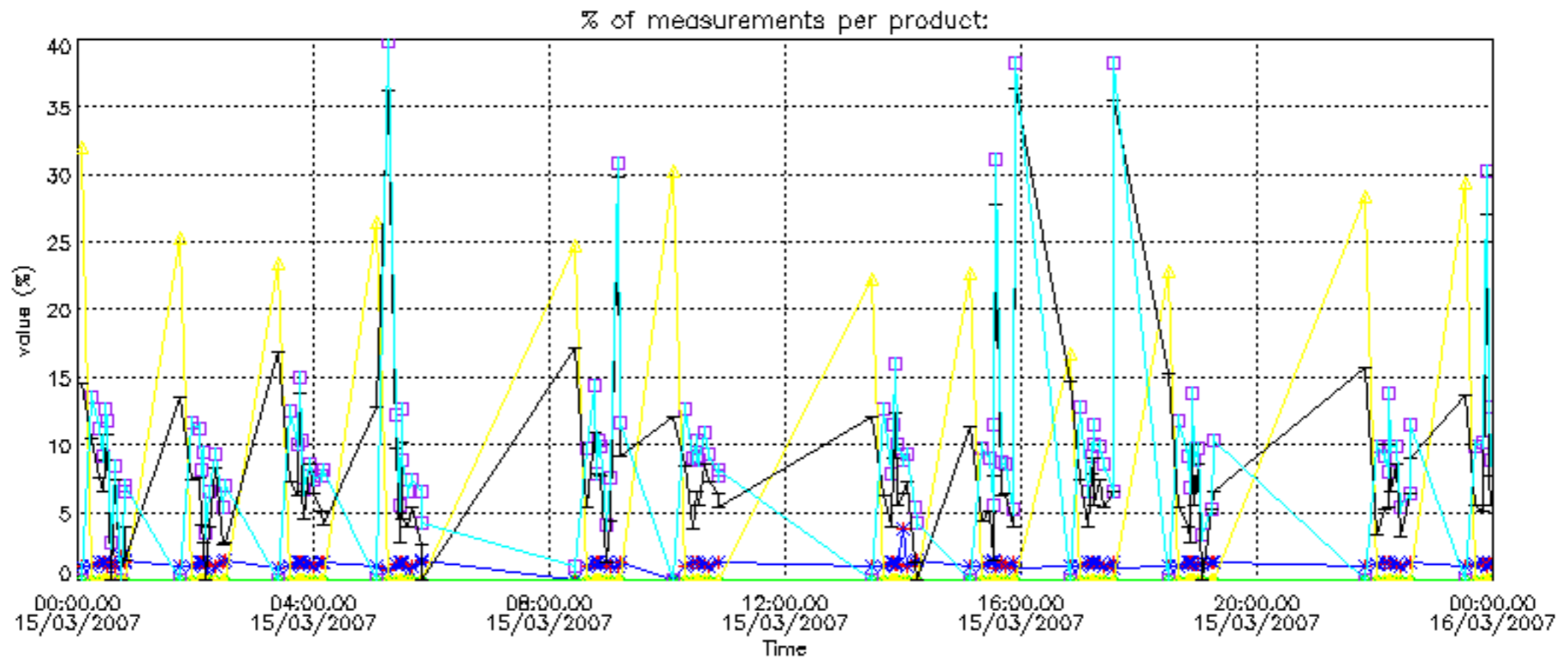
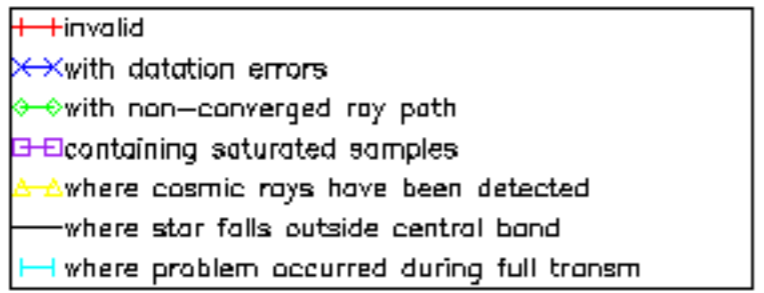
Percentage of flagged data per NO2 profile



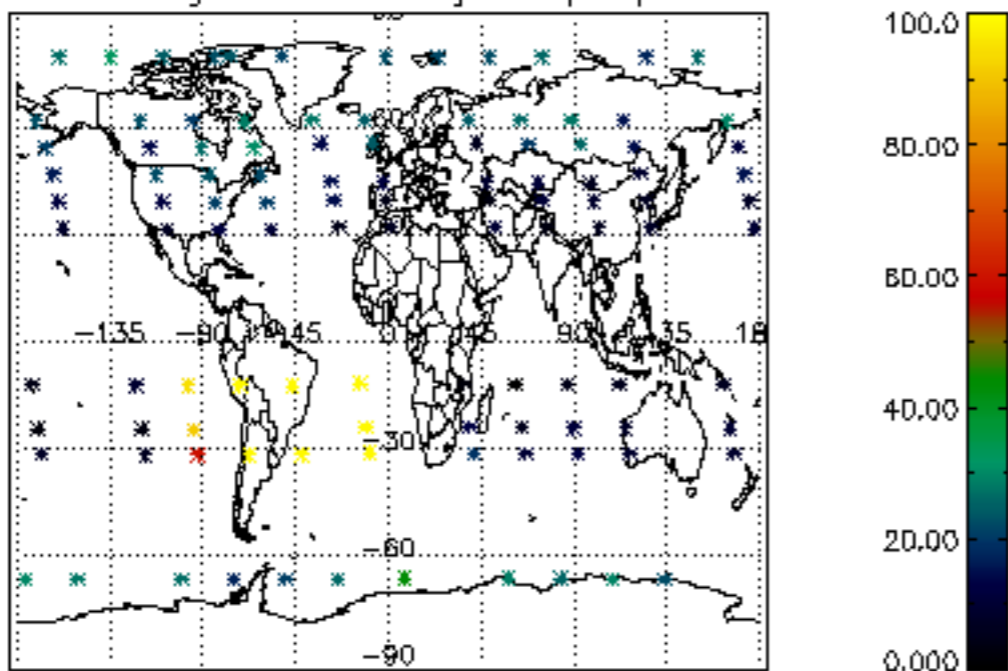
Percentage of flagged data per NO3 profile



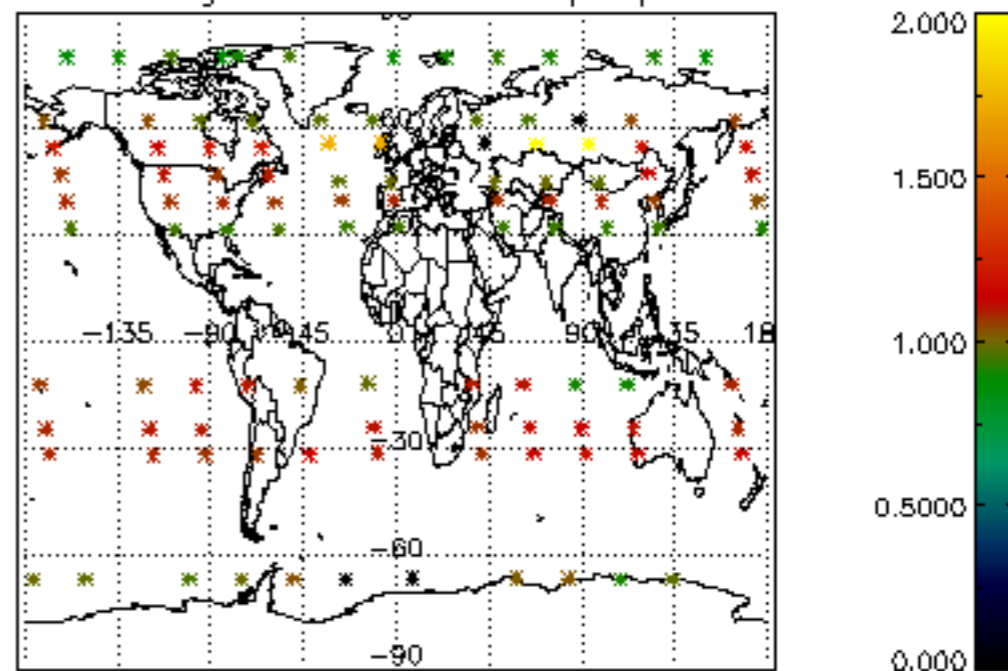




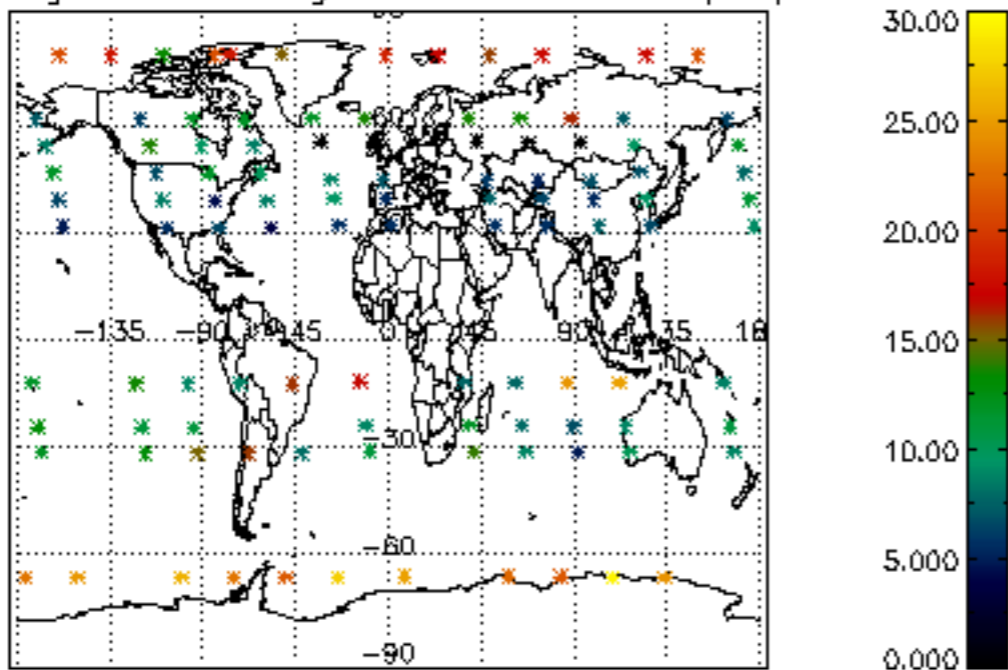
Percentage of cosmic ray hits per profile



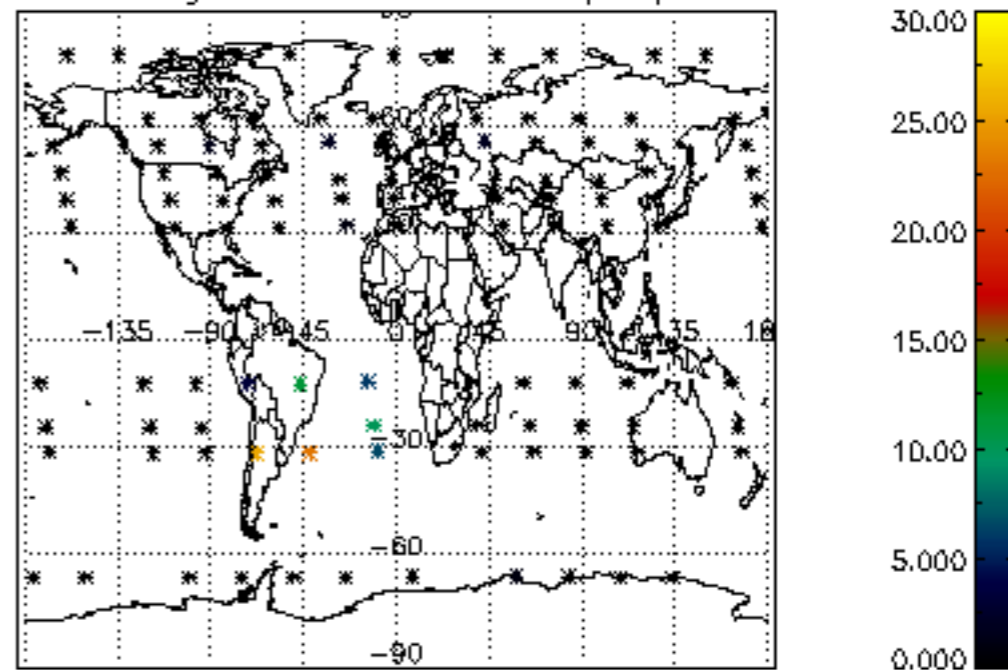
Percentage of datation errors per profile



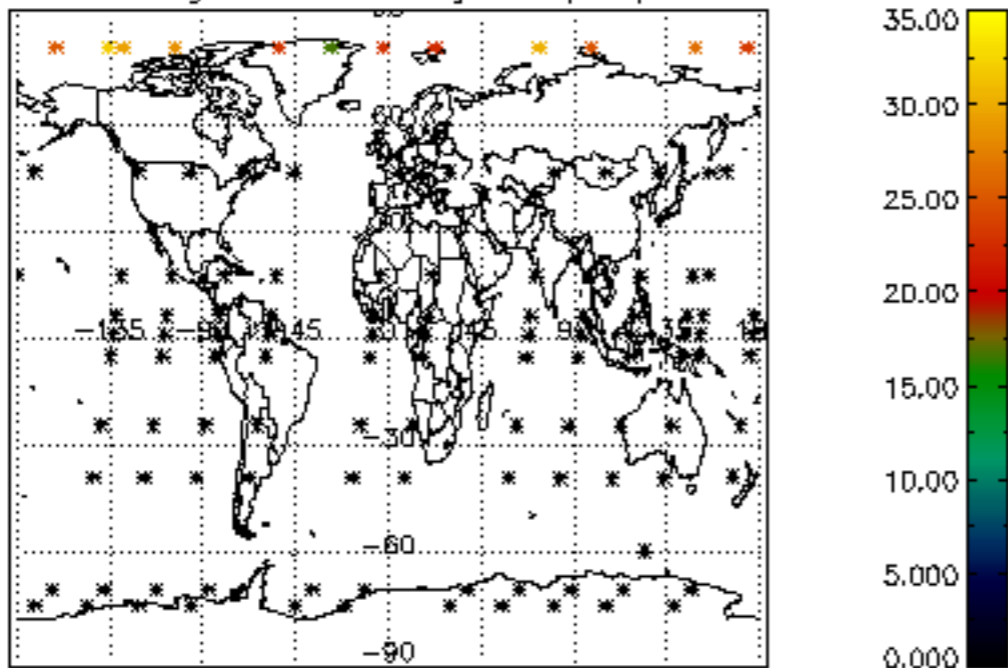
Percentage of star falling outside central band per profile



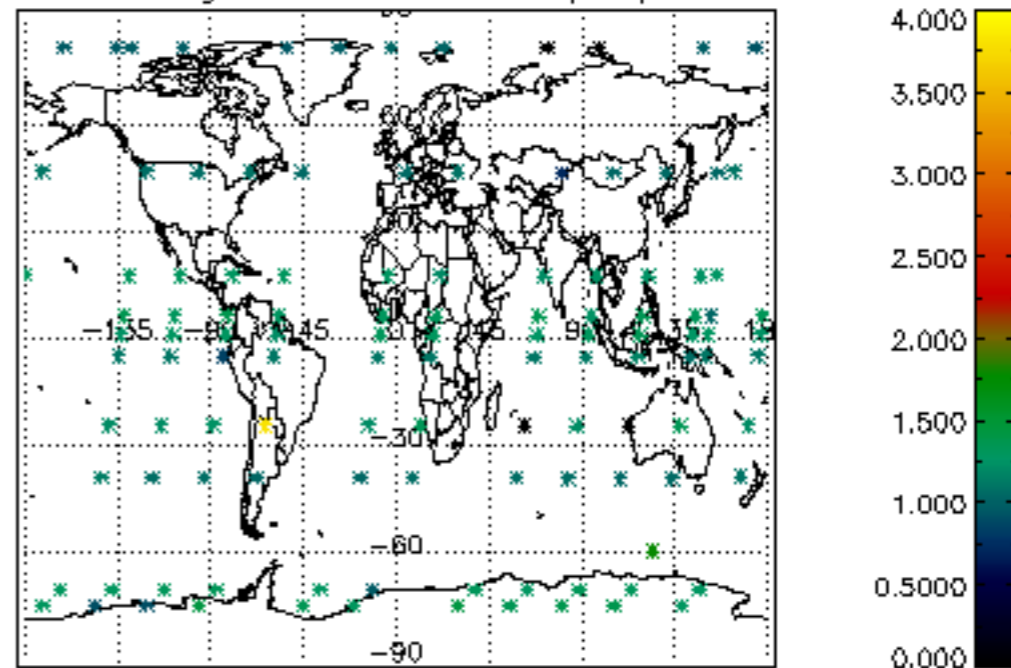
Percentage of saturation errors per profile



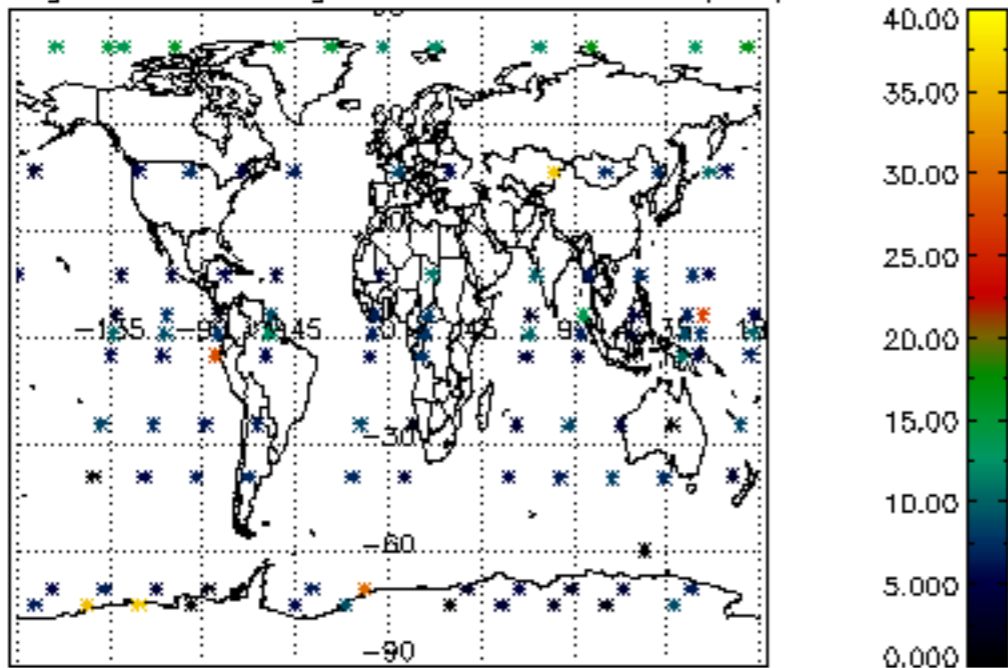
Percentage of cosmic ray hits per profile



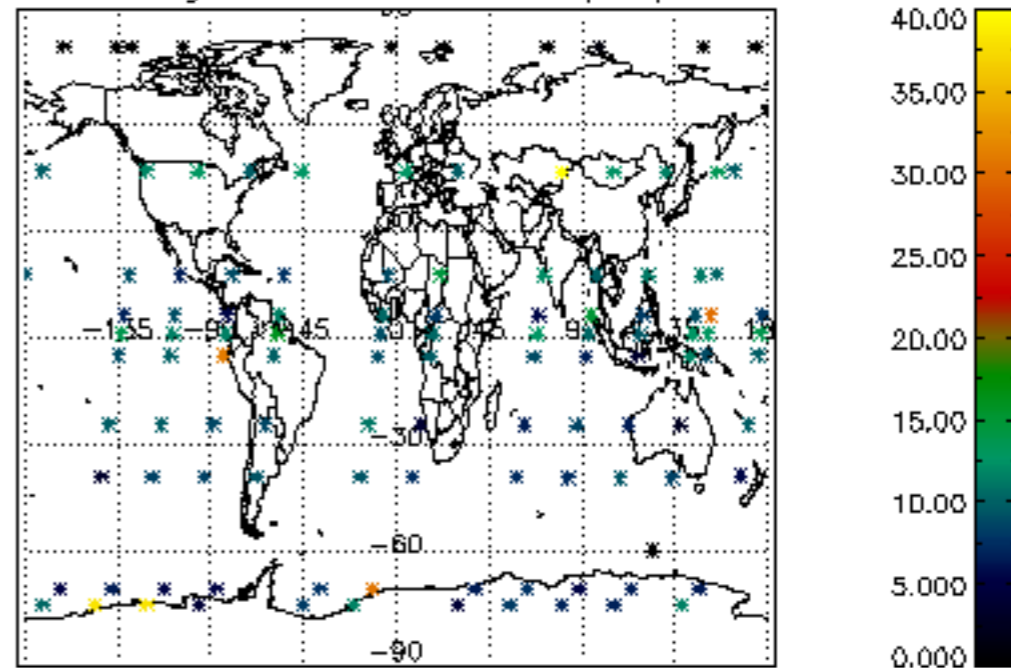
Percentage of datation errors per profile

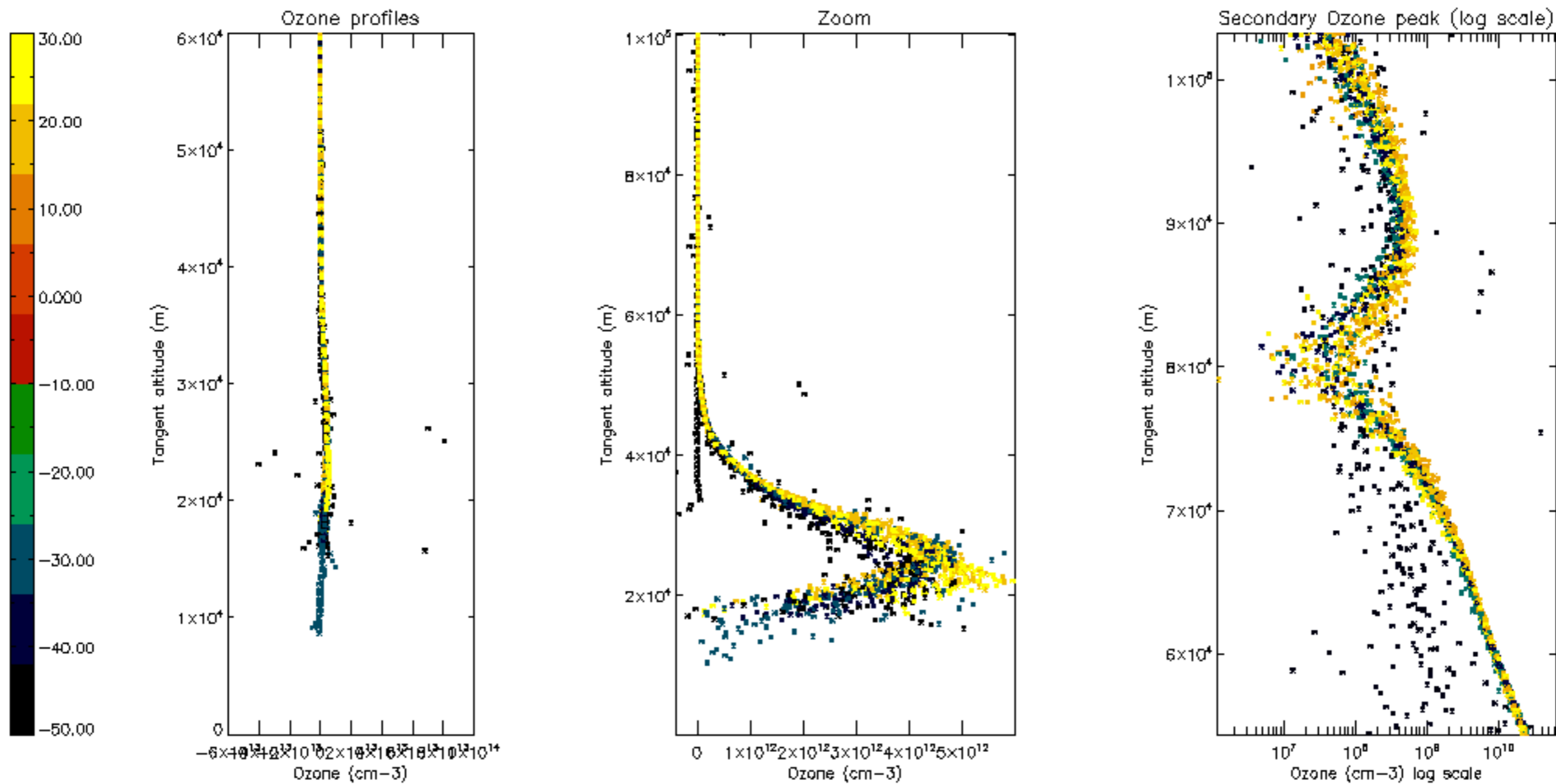


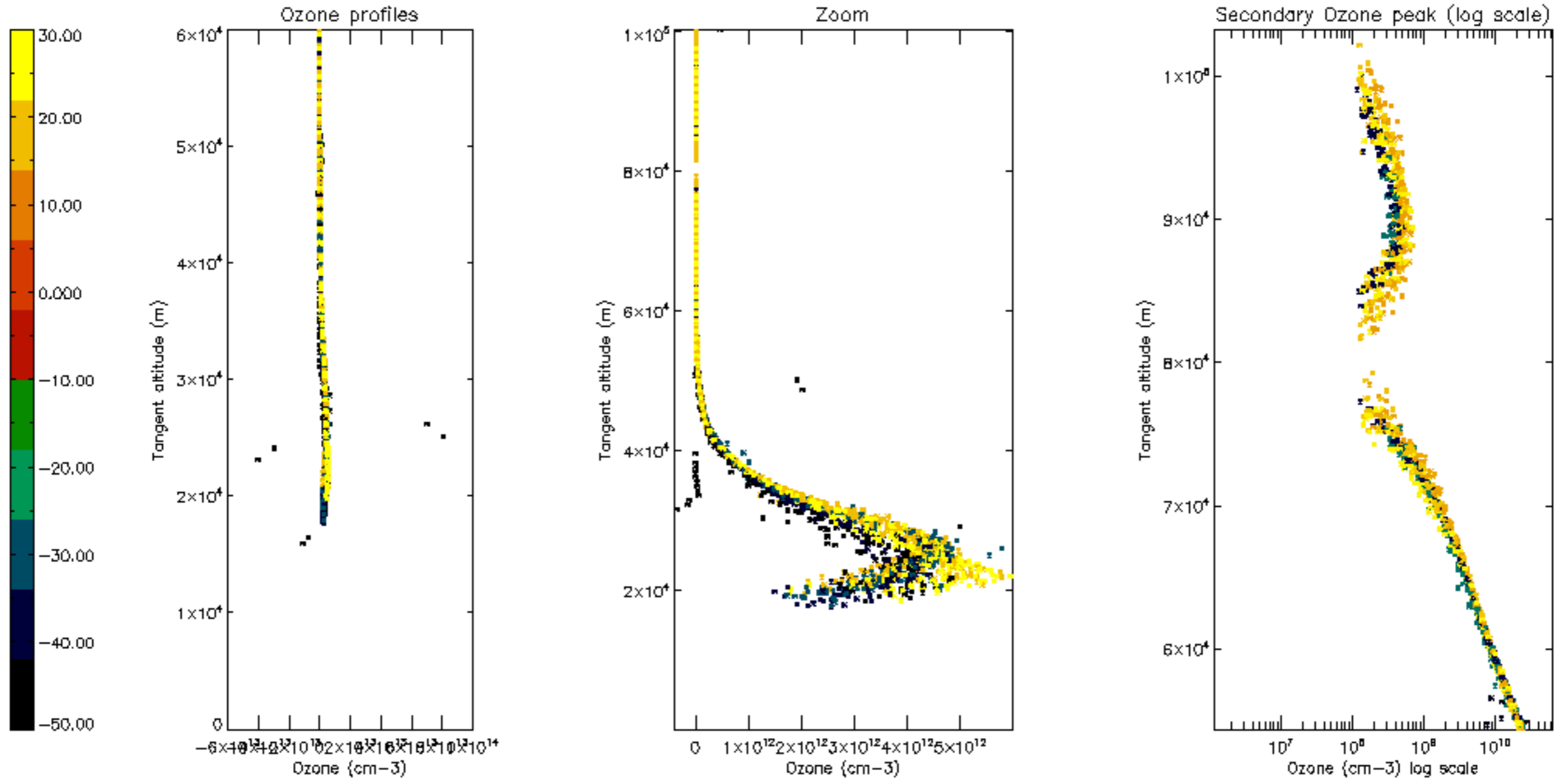
Percentage of star falling outside central band per profile

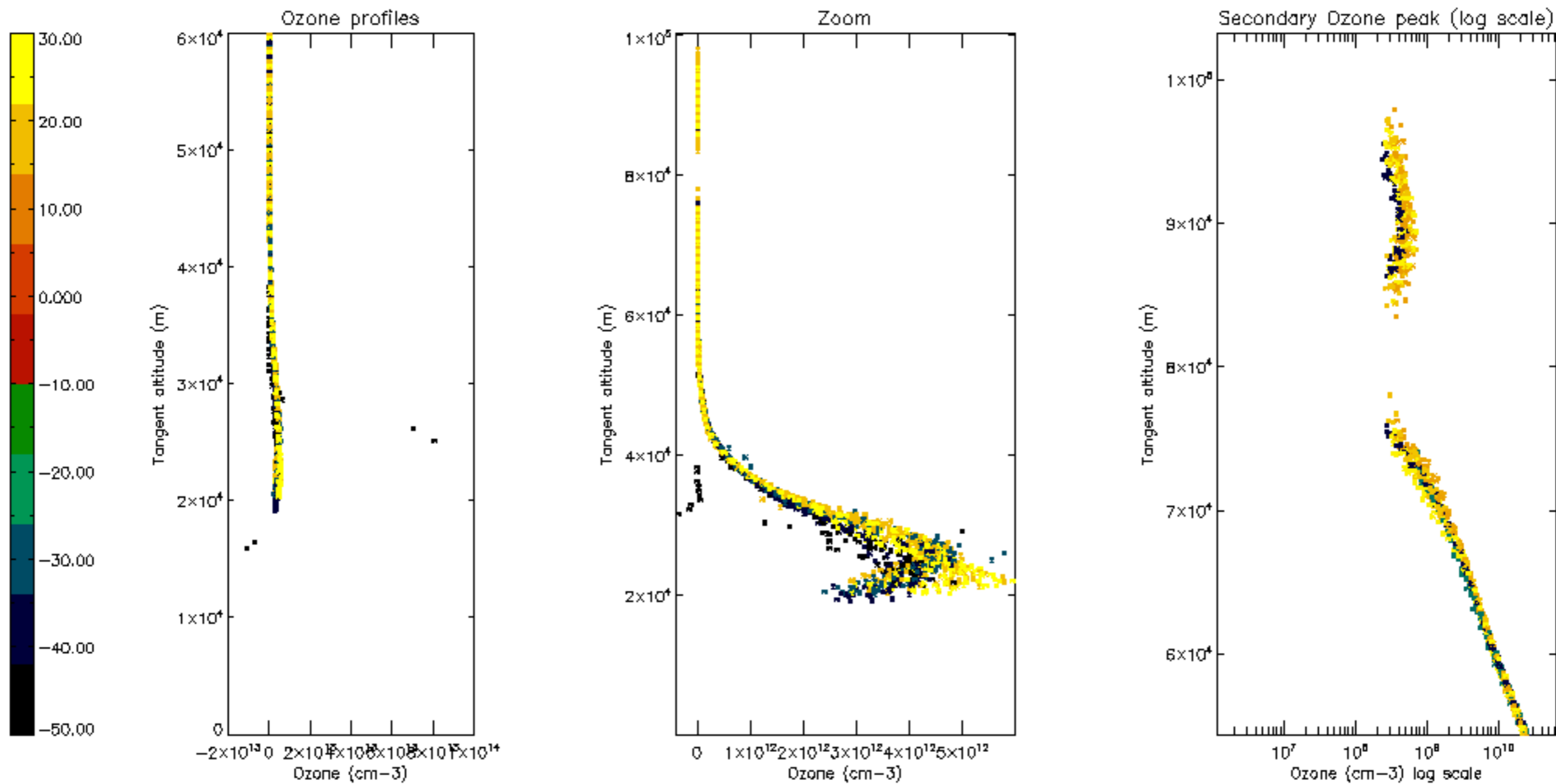


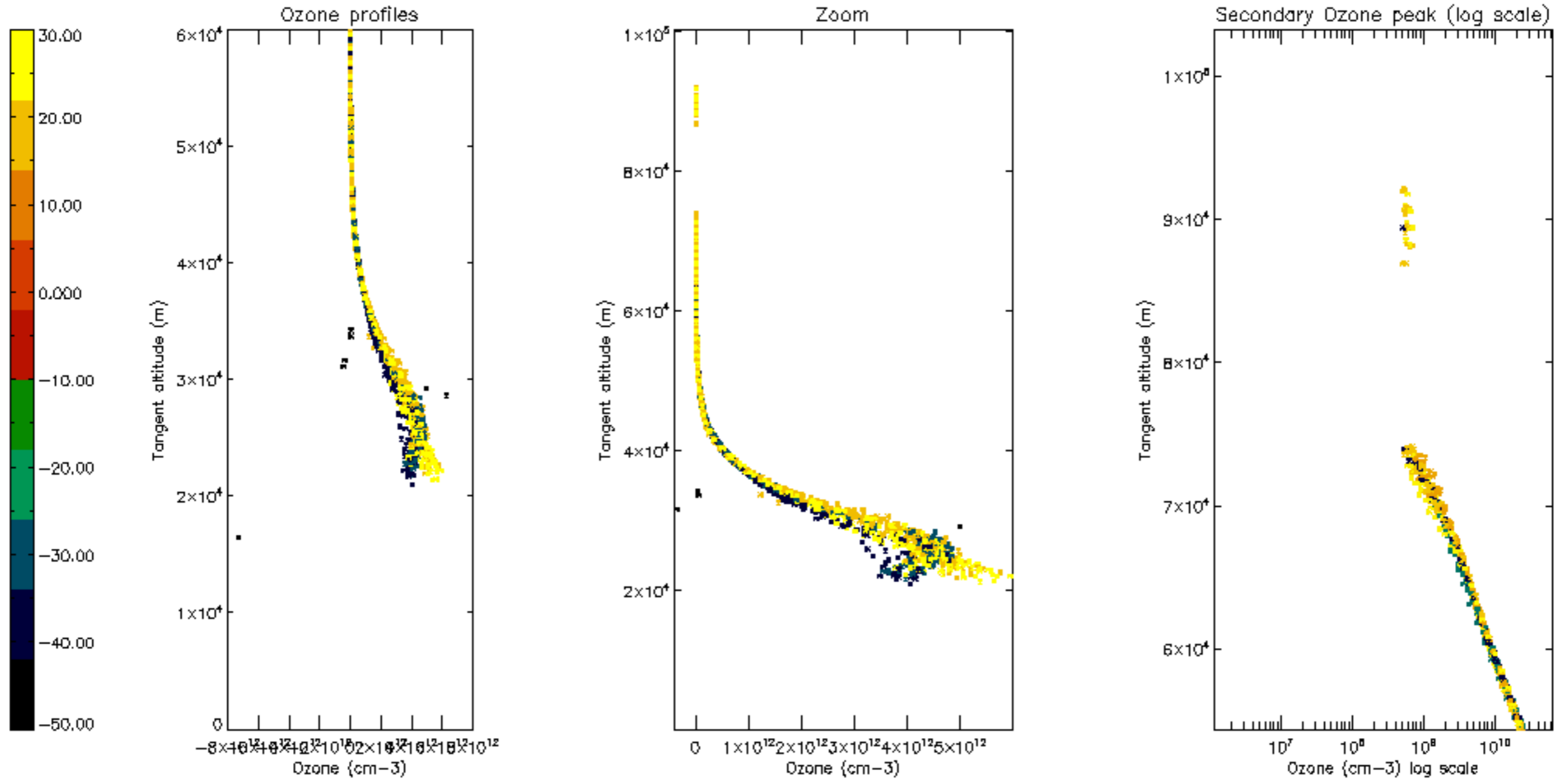
Percentage of saturation errors per profile

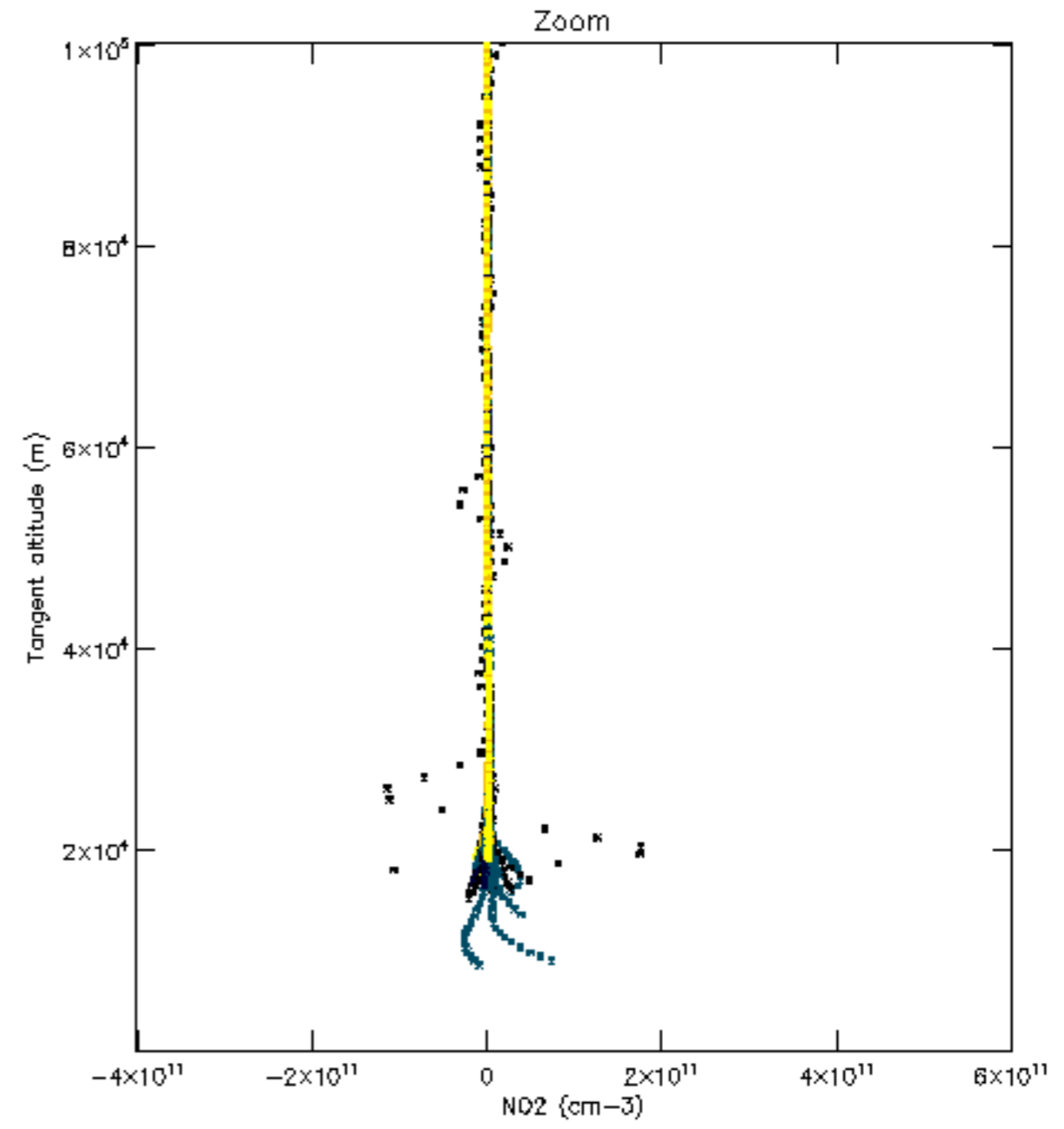
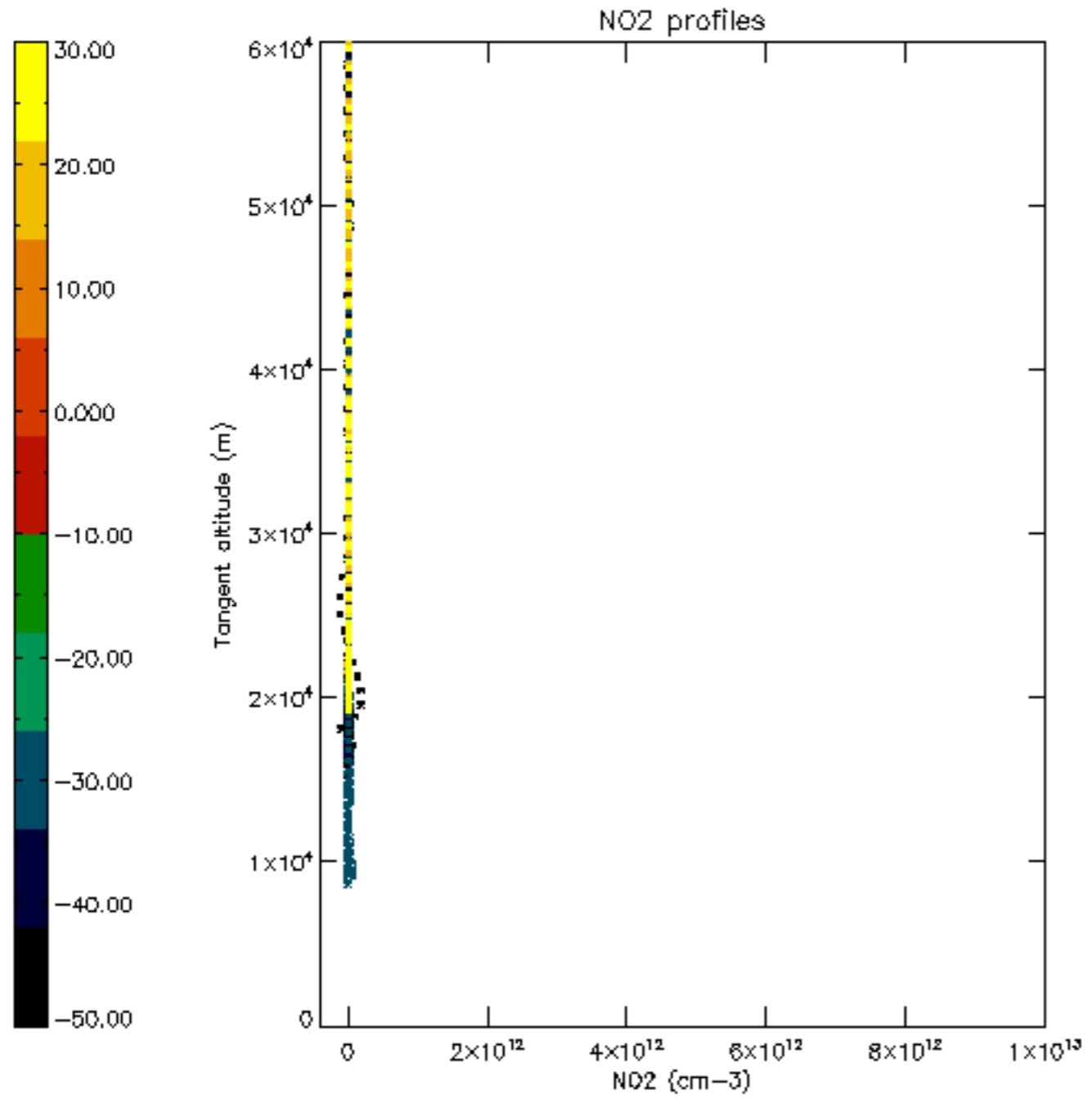


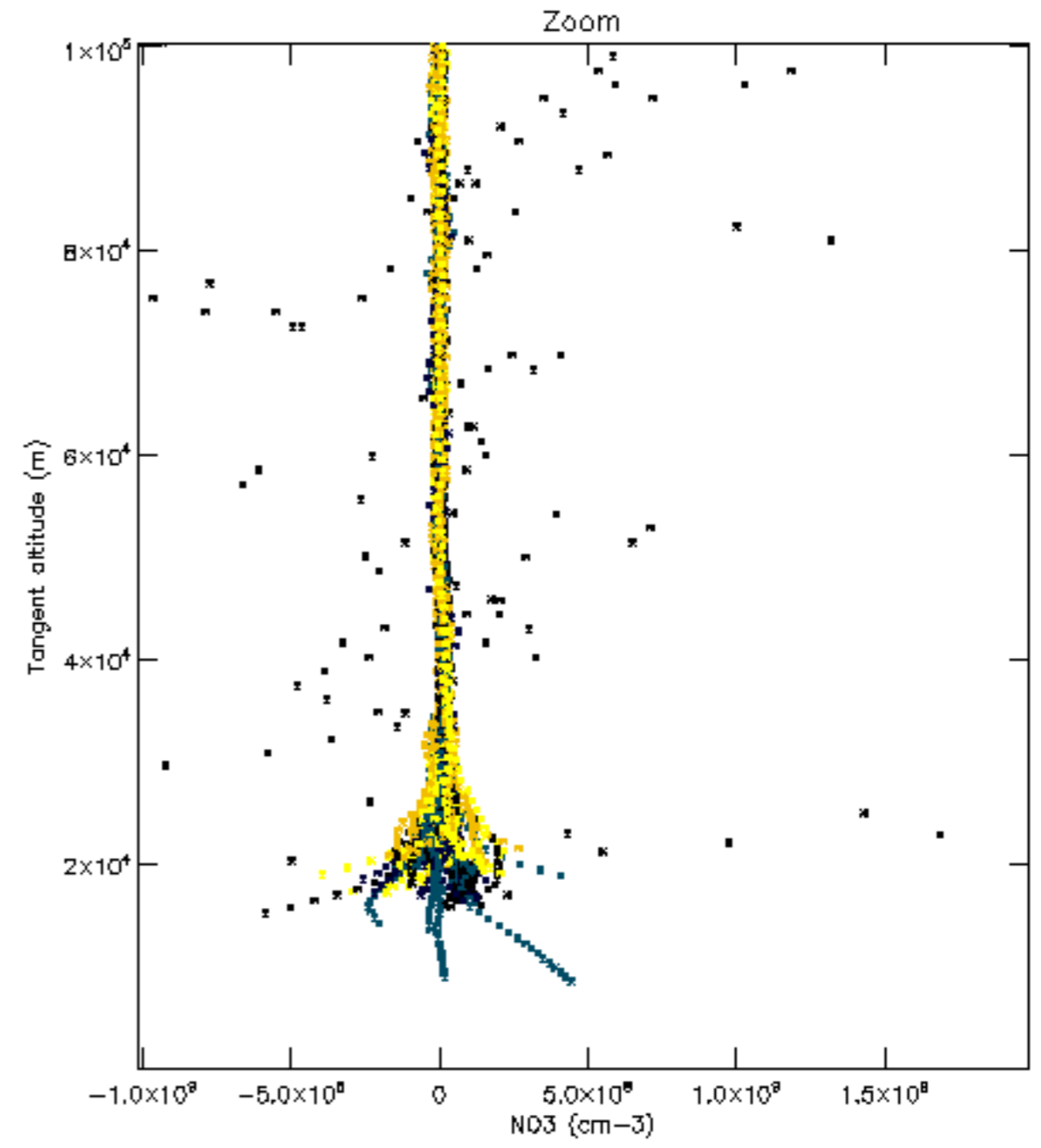
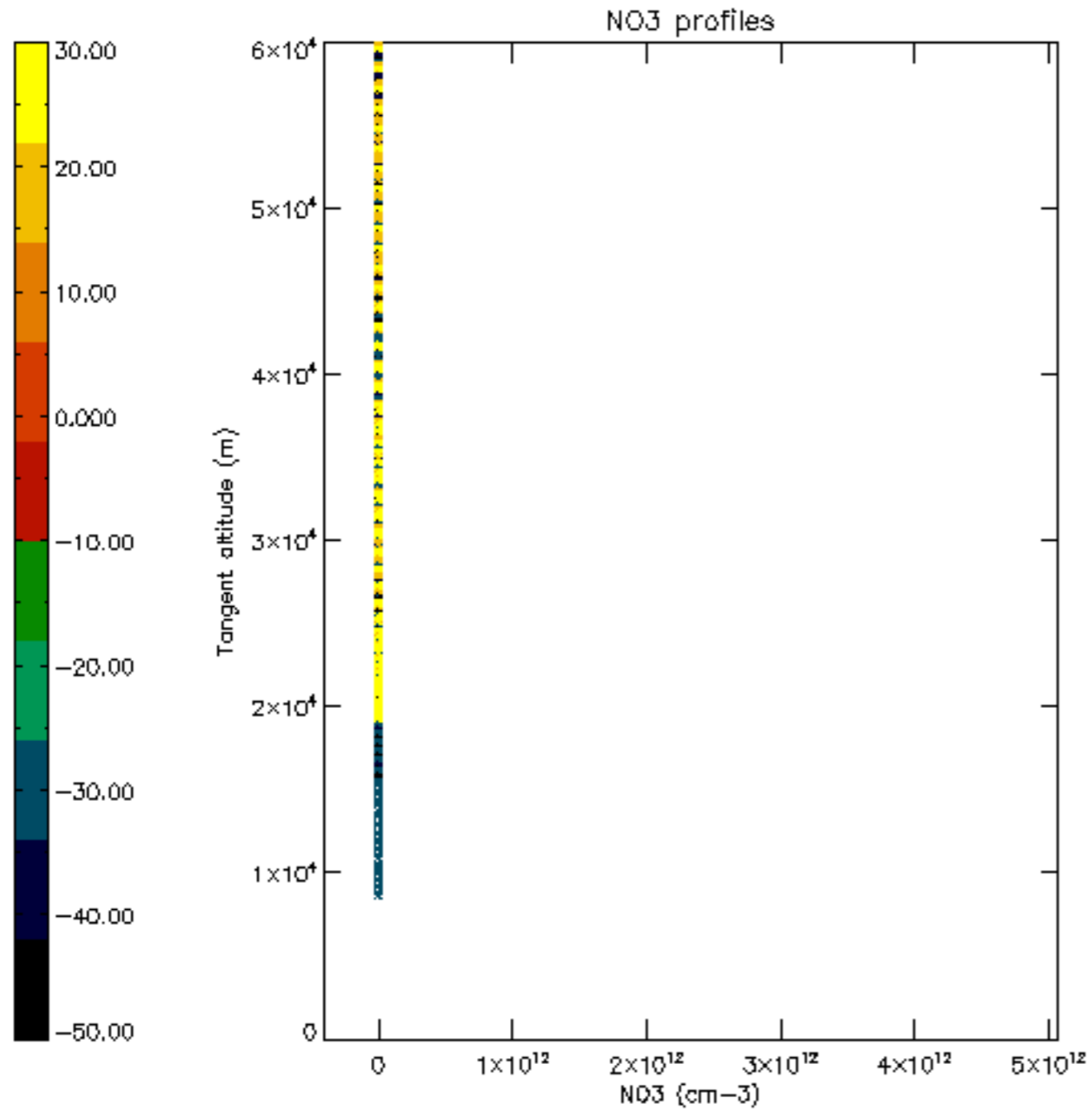


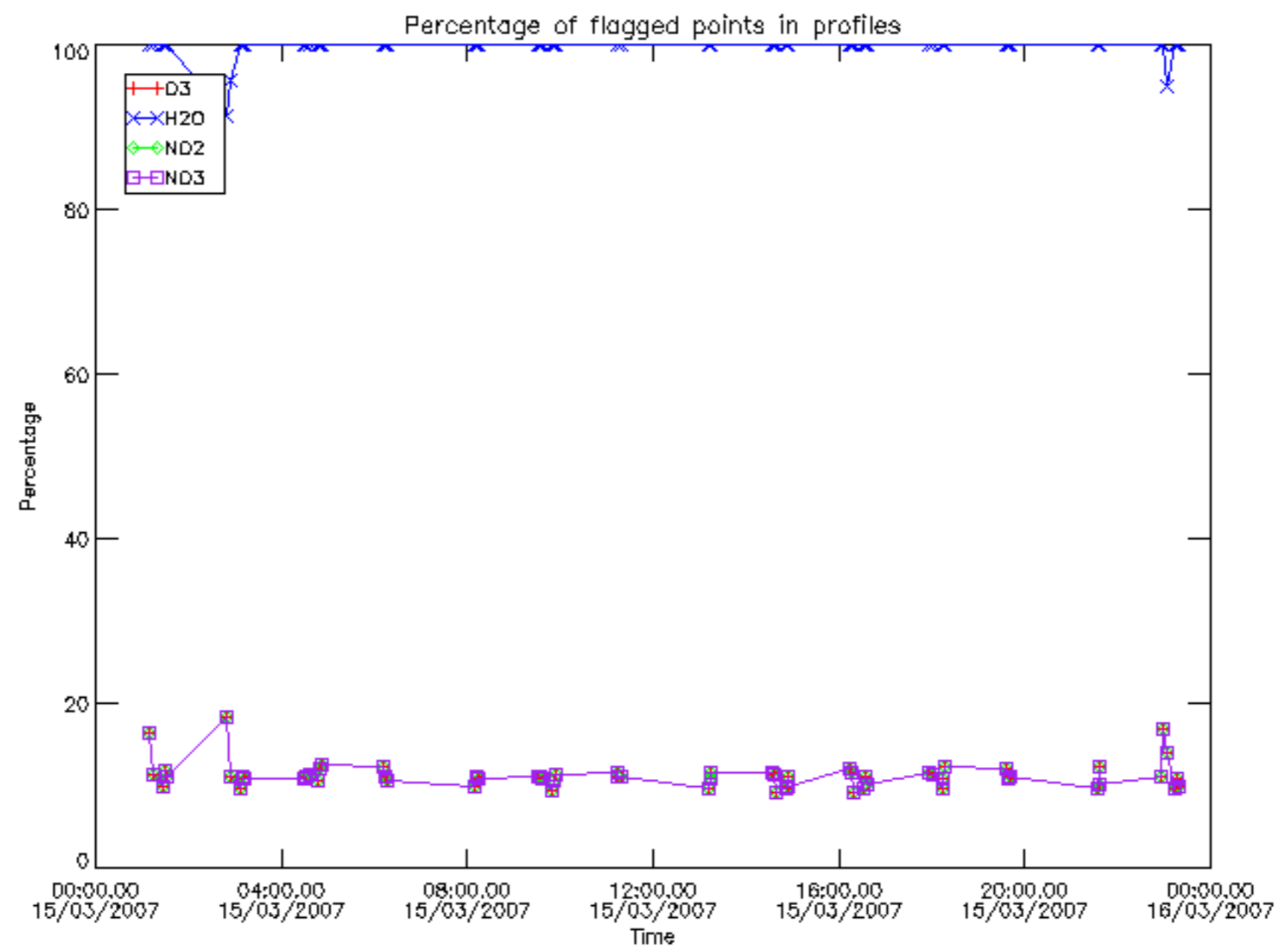




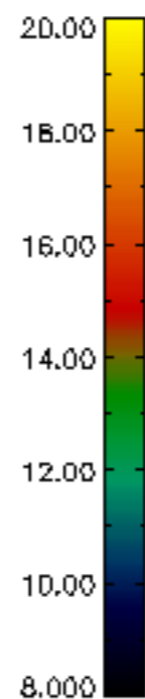
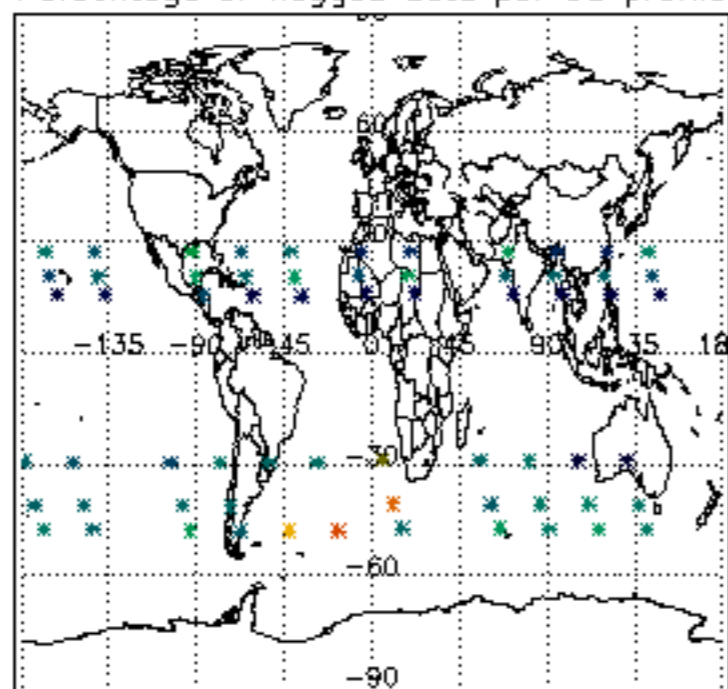




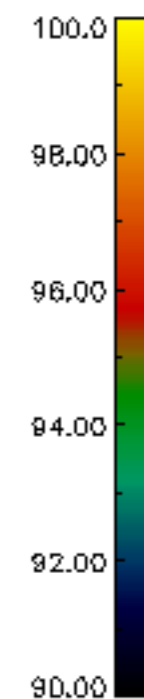
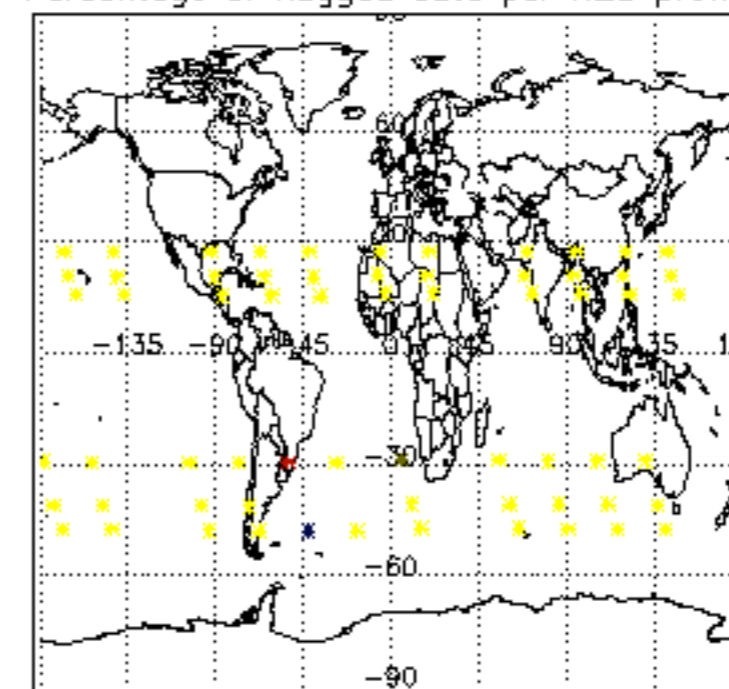




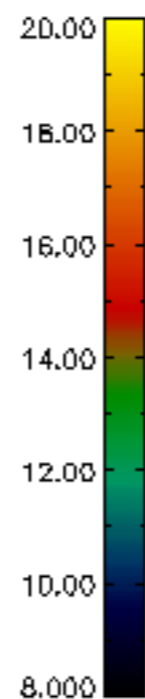
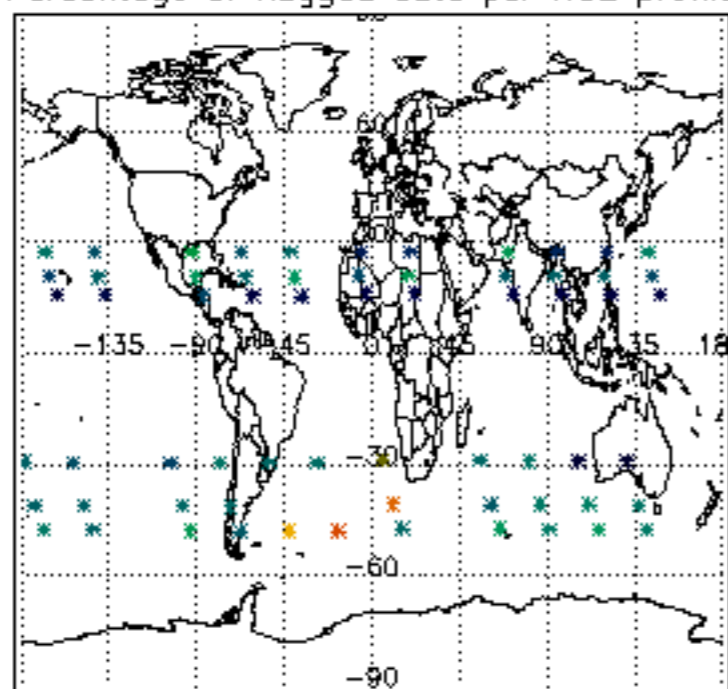
Percentage of flagged data per D3 profile



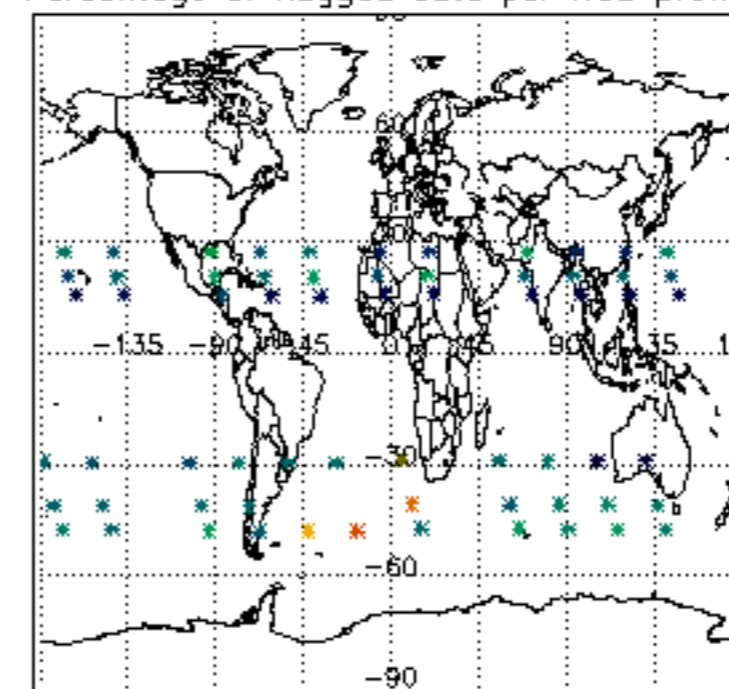
Percentage of flagged data per H2O profile

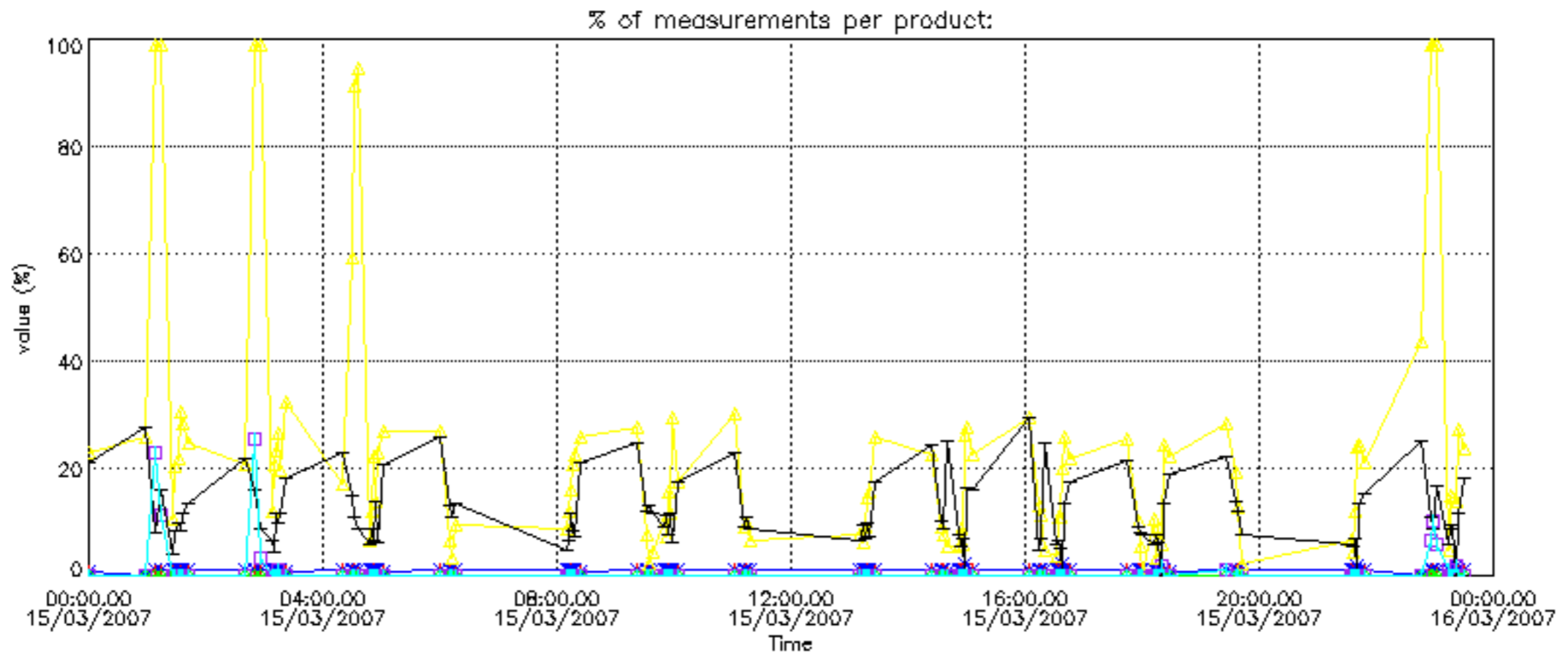
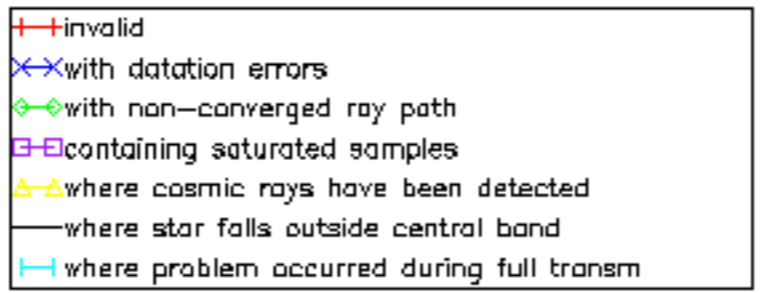


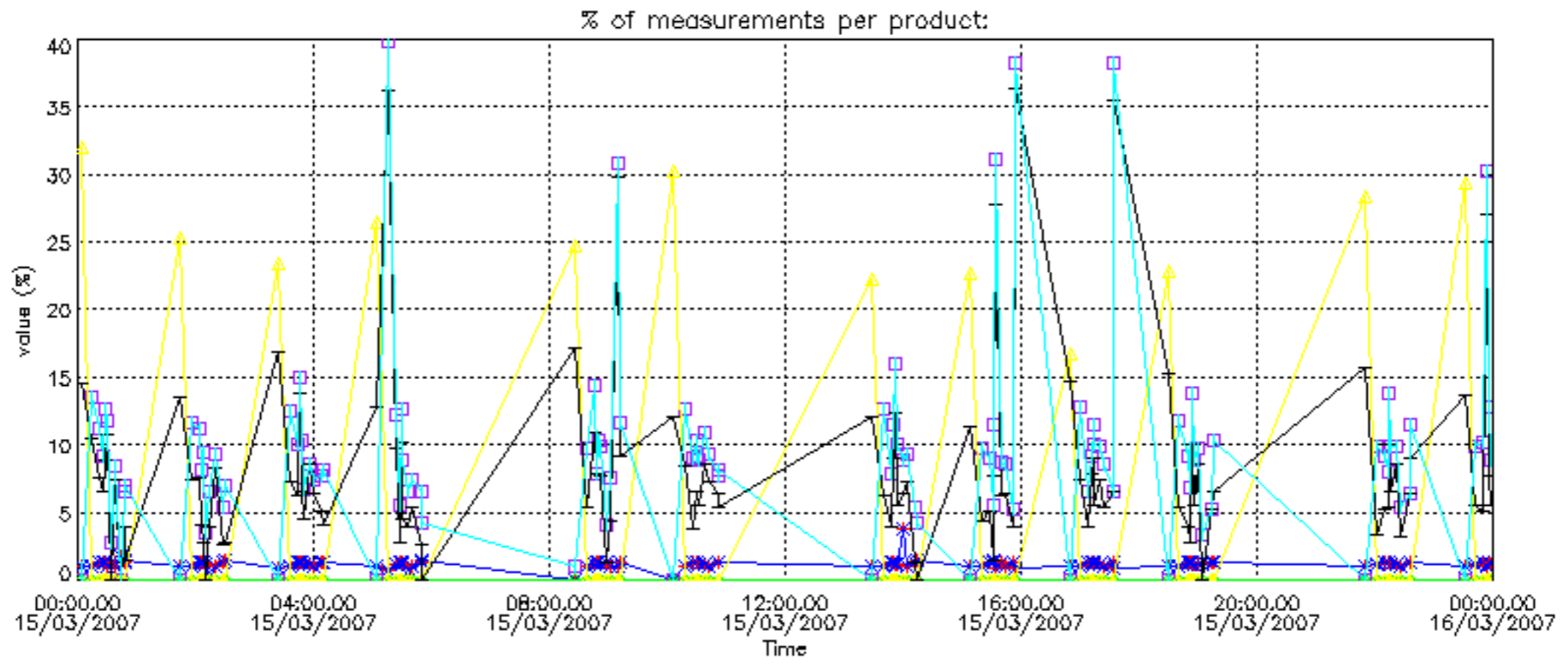
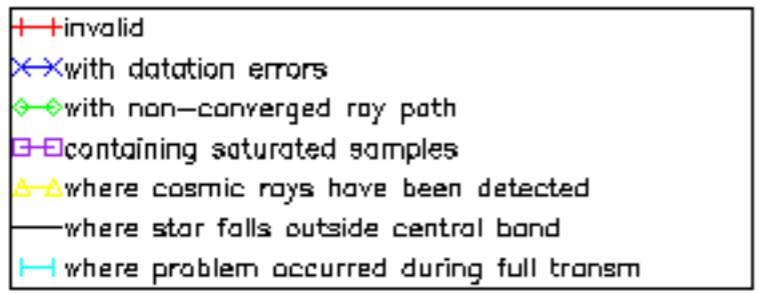
Percentage of flagged data per NO2 profile



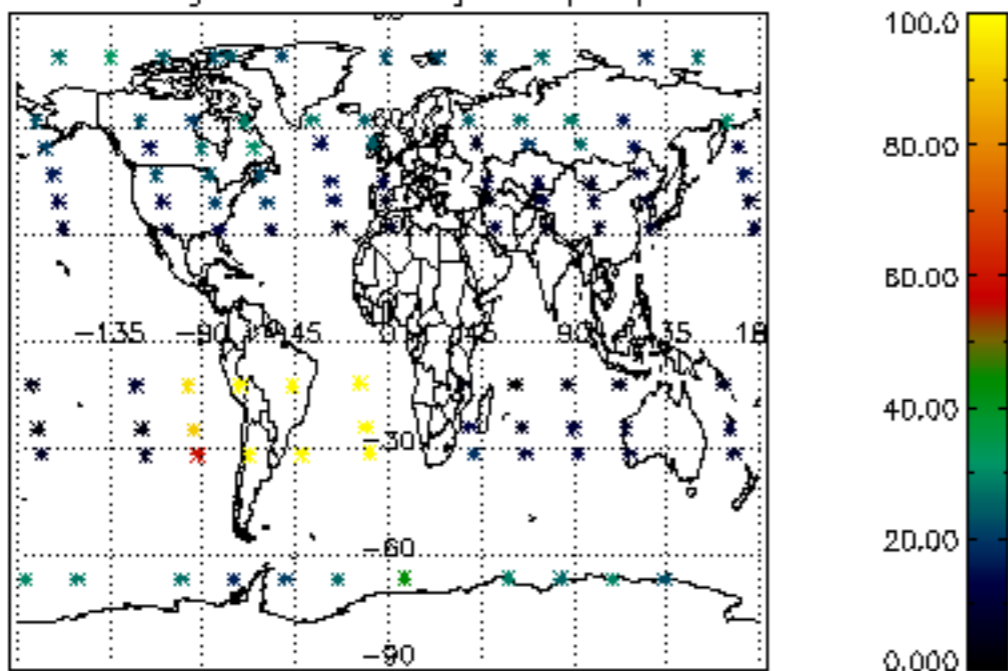
Percentage of flagged data per NO3 profile



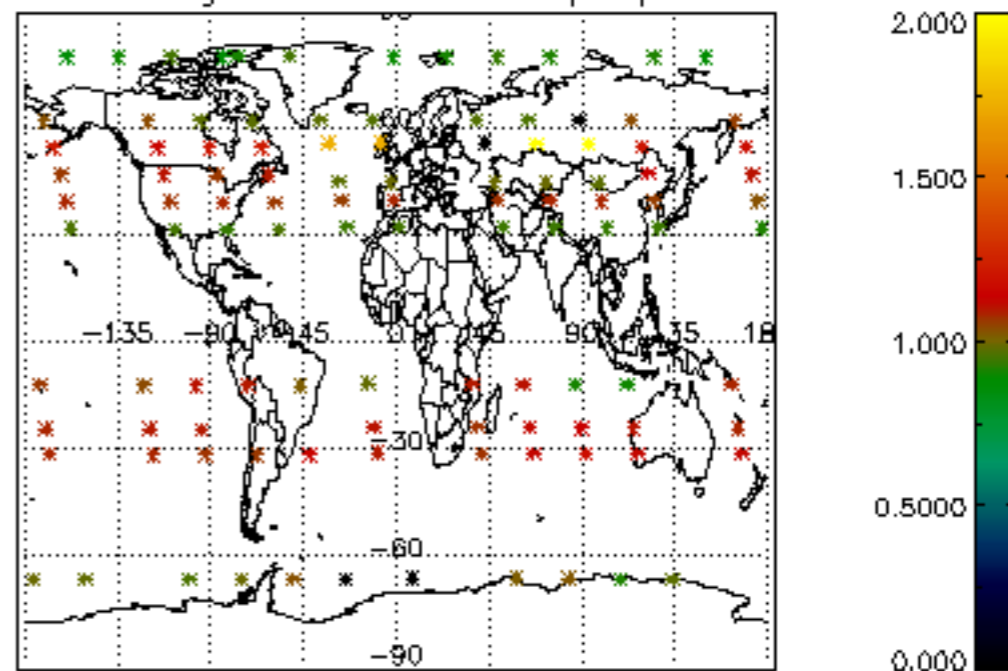




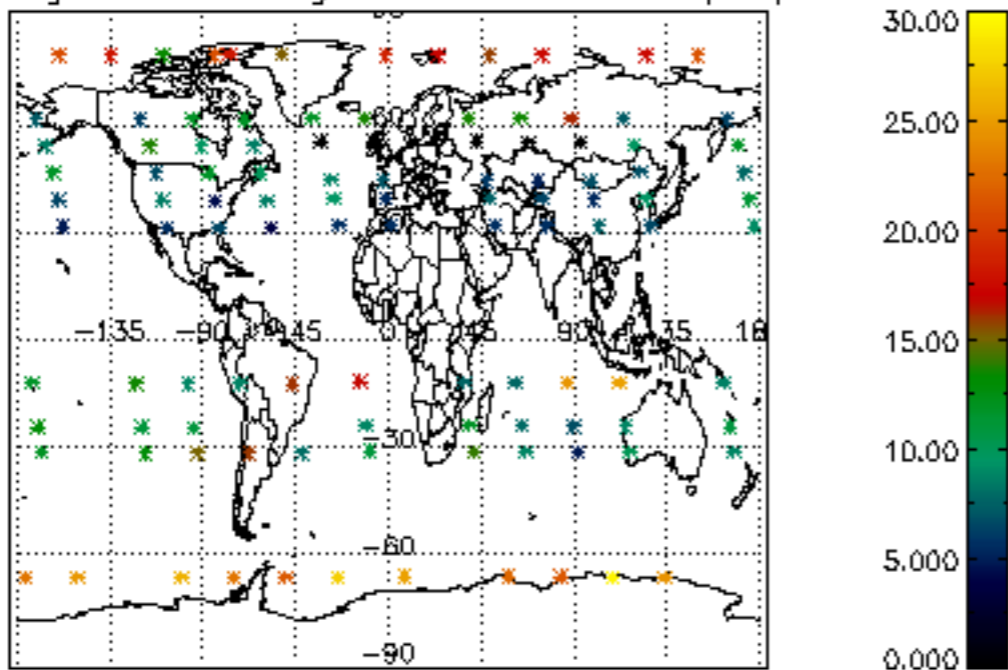
Percentage of cosmic ray hits per profile



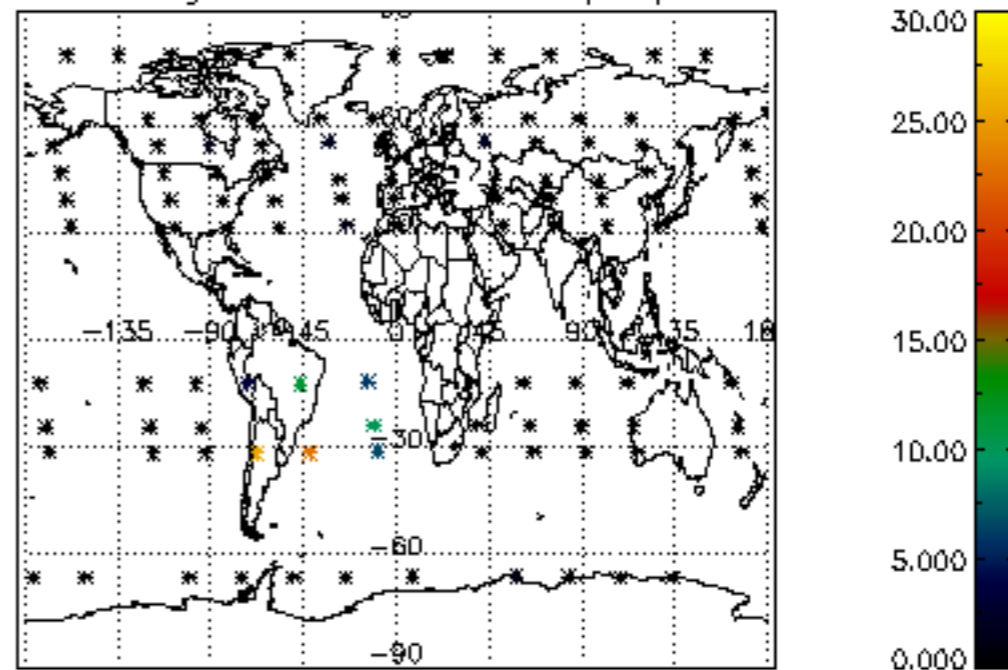
Percentage of datation errors per profile



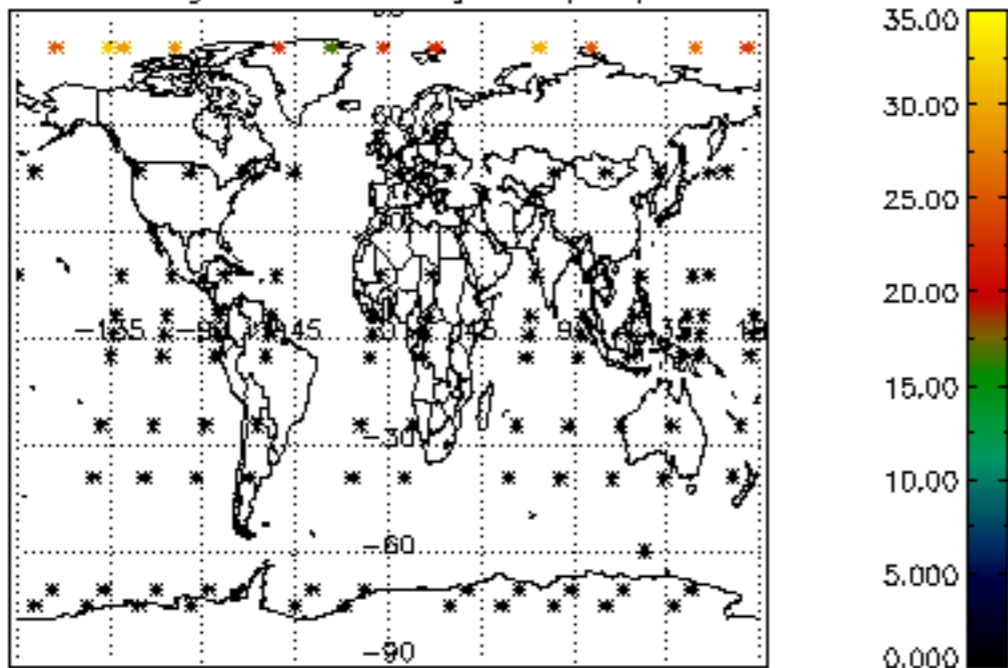
Percentage of star falling outside central band per profile



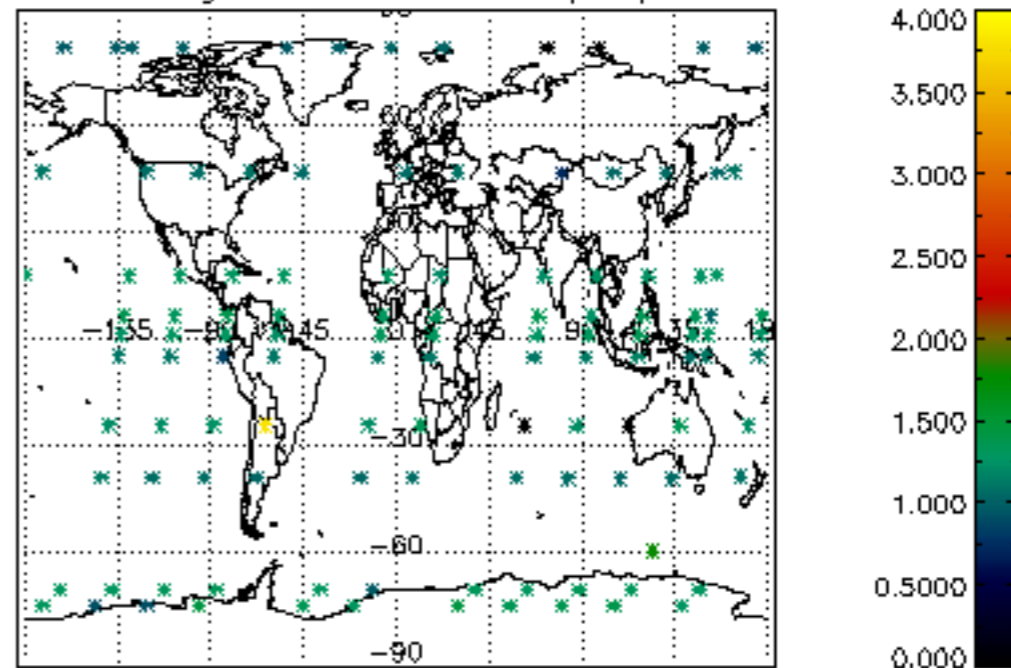
Percentage of saturation errors per profile



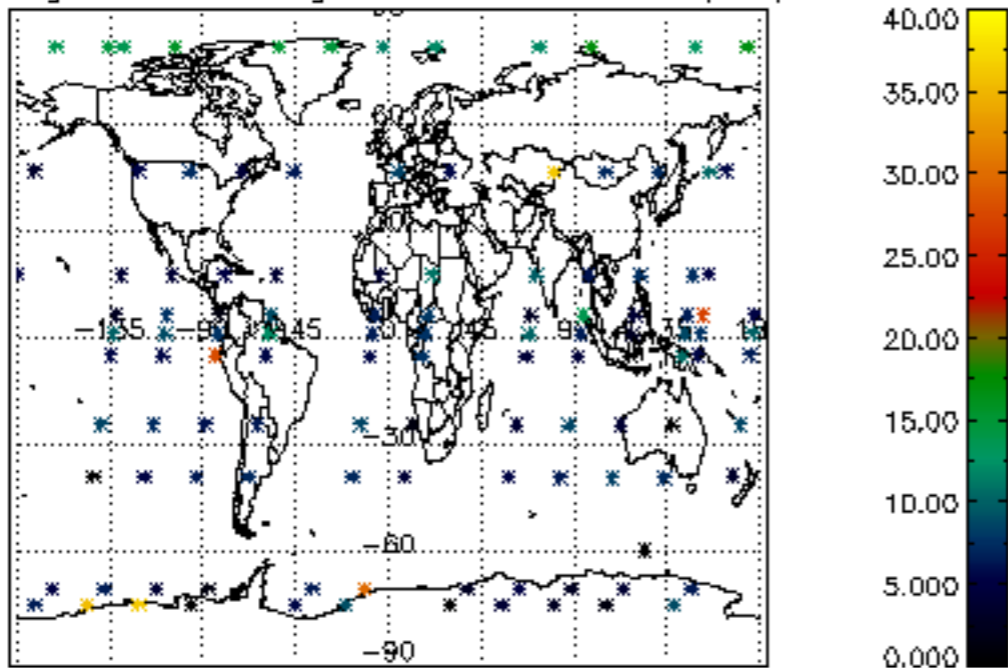
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

