

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	26APR2013 08:27:30
Data source version	GOMOS/6.01
Start time of products	26-03-2009 (26MAR2009 00:00:00)
Stop time of products	27-03-2009 (27MAR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	228
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

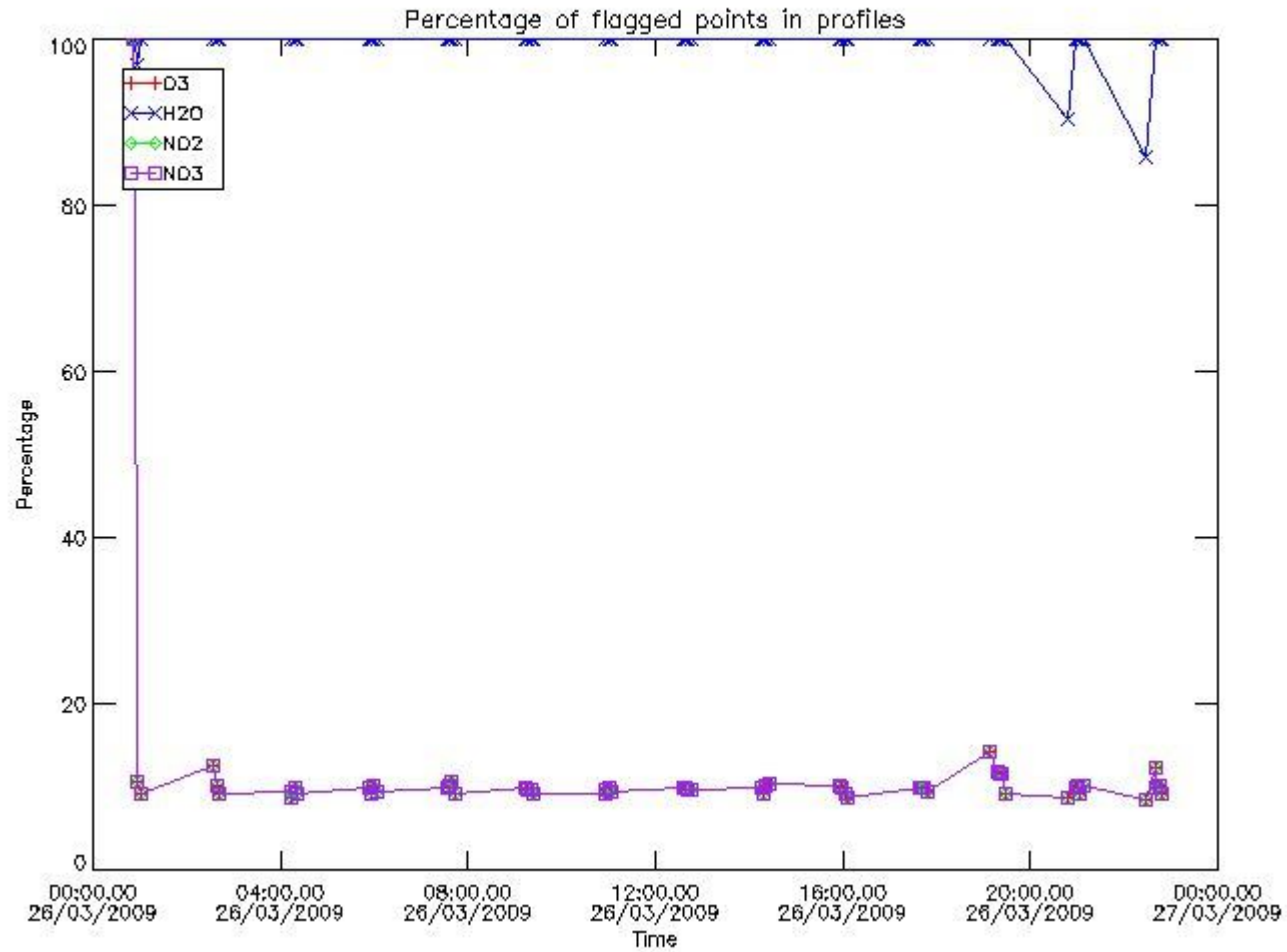
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090326_000240_000000452077_00331_36958_2137.N1	26-MAR-2009 00:02:40	Bright	45.000	152	12Alp2CVn	2.8900	11000.	90	36958	No
2	GOM_NL__2PRFIN20090326_000704_000000422077_00331_36958_2138.N1	26-MAR-2009 00:07:04	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	36958	No
3	GOM_NL__2PRFIN20090326_001633_000000502077_00331_36958_2139.N1	26-MAR-2009 00:16:33	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	36958	No
4	GOM_NL__2PRFIN20090326_002712_000000422077_00331_36958_2140.N1	26-MAR-2009 00:27:12	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	36958	No
5	GOM_NL__2PRFIN20090326_002854_000000572077_00331_36958_2141.N1	26-MAR-2009 00:28:54	Bright	57.000	66	37Gam Cyg	2.2080	5900.0	114	36958	No
6	GOM_NL__2PRFIN20090326_004004_000000612077_00331_36958_2142.N1	26-MAR-2009 00:40:04	Straylight	60.500	11	53Alp Aql	0.76500	8000.0	121	36958	No
7	GOM_NL__2PRFIN20090326_005116_000000562077_00331_36958_2143.N1	26-MAR-2009 00:51:16	Dark	55.500	155	41Pi Sgr	2.9000	6600.0	111	36958	No
8	GOM_NL__2PRFIN20090326_005326_000000542077_00331_36958_2144.N1	26-MAR-2009 00:53:26	Dark	54.000	57	34Sig Sgr	2.0660	26000.	108	36958	No
9	GOM_NL__2PRFIN20090326_005702_000000632077_00331_36958_2145.N1	26-MAR-2009 00:57:02	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	36958	No
10	GOM_NL__2PRFIN20090326_010106_000000562077_00332_36959_2148.N1	26-MAR-2009 01:01:06	Dark	55.500	25	35Lam Sco	1.6200	28000.	111	36959	No
11	GOM_NL__2PRFIN20090326_011042_000000462077_00332_36959_2149.N1	26-MAR-2009 01:10:42	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	36959	No
12	GOM_NL__2PRFIN20090326_011217_000000532077_00332_36959_2150.N1	26-MAR-2009 01:12:17	Straylight	53.000	81	Eta Cen	2.3560	28000.	106	36959	No
13	GOM_NL__2PRFIN20090326_011510_000000562077_00332_36959_2151.N1	26-MAR-2009 01:15:10	Straylight	55.500	54	5The Cen	2.0550	4500.0	111	36959	No
14	GOM_NL__2PRFIN20090326_012144_000000482077_00332_36959_2152.N1	26-MAR-2009 01:21:44	Straylight	47.500	106	9Bet Crv	2.6480	5600.0	95	36959	No
15	GOM_NL__2PRFIN20090326_012359_000000462077_00332_36959_2153.N1	26-MAR-2009 01:23:59	Twilight_stray	46.000	163	7Del Crv	2.9450	11000.	92	36959	No
16	GOM_NL__2PRFIN20090326_012916_000000492077_00332_36959_2154.N1	26-MAR-2009 01:29:16	Bright	48.500	121	29Gam Vir	2.7400	7200.0	97	36959	No
17	GOM_NL__2PRFIN20090326_014315_000000452077_00332_36959_2155.N1	26-MAR-2009 01:43:15	Bright	44.500	152	12Alp2CVn	2.8900	11000.	89	36959	No
18	GOM_NL__2PRFIN20090326_014740_000000412077_00332_36959_2156.N1	26-MAR-2009 01:47:40	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	36959	No
19	GOM_NL__2PRFIN20090326_015708_000000492077_00332_36959_2157.N1	26-MAR-2009 01:57:08	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	36959	No
20	GOM_NL__2PRFIN20090326_020748_000000402077_00332_36959_2158.N1	26-MAR-2009 02:07:48	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	36959	No
21	GOM_NL__2PRFIN20090326_020930_000000422077_00332_36959_2159.N1	26-MAR-2009 02:09:30	Bright	42.000	66	37Gam Cyg	2.2080	5900.0	84	36959	No
22	GOM_NL__2PRFIN20090326_022040_000000652077_00332_36959_2160.N1	26-MAR-2009 02:20:40	Straylight	65.000	11	53Alp Aql	0.76500	8000.0	130	36959	No
23	GOM_NL__2PRFIN20090326_023403_000000652077_00332_36959_2161.N1	26-MAR-2009 02:34:03	Dark	64.500	57	34Sig Sgr	2.0660	26000.	129	36959	No
24	GOM_NL__2PRFIN20090326_023739_000000512077_00332_36959_2162.N1	26-MAR-2009 02:37:39	Dark	50.500	38	20Eps Sgr	1.8360	11000.	101	36959	No
25	GOM_NL__2PRFIN20090326_024143_000000562077_00333_36960_2163.N1	26-MAR-2009 02:41:43	Dark	55.500	25	35Lam Sco	1.6200	28000.	111	36960	No
26	GOM_NL__2PRFIN20090326_025119_000000472077_00333_36960_2164.N1	26-MAR-2009 02:51:19	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	36960	No
27	GOM_NL__2PRFIN20090326_025253_000000532077_00333_36960_2165.N1	26-MAR-2009 02:52:53	Straylight	53.000	81	Eta Cen	2.3560	28000.	106	36960	No
28	GOM_NL__2PRFIN20090326_025547_000000582077_00333_36960_2166.N1	26-MAR-2009 02:55:47	Straylight	57.500	54	5The Cen	2.0550	4500.0	115	36960	No
29	GOM_NL__2PRFIN20090326_030143_000000562077_00333_36960_2167.N1	26-MAR-2009 03:01:43	Straylight	56.000	169	46Gam Hya	2.9910	4700.0	112	36960	No
30	GOM_NL__2PRFIN20090326_030435_000000442077_00333_36960_2168.N1	26-MAR-2009 03:04:35	Twilight_stray	43.500	163	7Del Crv	2.9450	11000.	87	36960	No
31	GOM_NL__2PRFIN20090326_030951_000000482077_00333_36960_2169.N1	26-MAR-2009 03:09:51	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	36960	No
32	GOM_NL__2PRFIN20090326_032350_000000452077_00333_36960_2170.N1	26-MAR-2009 03:23:50	Bright	45.000	152	12Alp2CVn	2.8900	11000.	90	36960	No
33	GOM_NL__2PRFIN20090326_032815_000000432077_00333_36960_2171.N1	26-MAR-2009 03:28:15	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	36960	No
34	GOM_NL__2PRFIN20090326_033743_000000492077_00333_36960_2172.N1	26-MAR-2009 03:37:43	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	36960	No
35	GOM_NL__2PRFIN20090326_034824_000000442077_00333_36960_2173.N1	26-MAR-2009 03:48:24	Bright	44.000	144	18Del Cyg	2.8600	11000.	88	36960	No
36	GOM_NL__2PRFIN20090326_035006_000000402077_00333_36960_2174.N1	26-MAR-2009 03:50:06	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	36960	No
37	GOM_NL__2PRFIN20090326_040116_000000572077_00333_36960_2175.N1	26-MAR-2009 04:01:16	Straylight	57.000	11	53Alp Aql	0.76500	8000.0	114	36960	No
38	GOM_NL__2PRFIN20090326_041230_000000552077_00333_36960_2176.N1	26-MAR-2009 04:12:30	Dark	54.500	155	41Pi Sgr	2.9000	6600.0	109	36960	No
39	GOM_NL__2PRFIN20090326_041440_000000592077_00333_36960_2177.N1	26-MAR-2009 04:14:40	Dark	58.500	57	34Sig Sgr	2.0660	26000.	117	36960	No
40	GOM_NL__2PRFIN20090326_041816_000000512077_00333_36960_2178.N1	26-MAR-2009 04:18:16	Dark	51.000	38	20Eps Sgr	1.8360	11000.	102	36960	No
41	GOM_NL__2PRFIN20090326_042220_000000562077_00334_36961_2177.N1	26-MAR-2009 04:22:20	Dark	56.000	25	35Lam Sco	1.6200	28000.	112	36961	No
42	GOM_NL__2PRFIN20090326_043156_000000462077_00334_36961_2178.N1	26-MAR-2009 04:31:56	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	36961	No

220	GOM_NL__2PRFIN20090326_230305_000000562077_00345_36972_2366.N1	26-MAR-2009 23:03:05	Straylight	56.000	54	5The Cen	2.0550	4500.0	112	36972	No
221	GOM_NL__2PRFIN20090326_230857_000000572077_00345_36972_2367.N1	26-MAR-2009 23:08:57	Straylight	56.500	169	46Gam Hya	2.9910	4700.0	113	36972	No
222	GOM_NL__2PRFIN20090326_231148_000000472077_00345_36972_2368.N1	26-MAR-2009 23:11:48	Twilight_stray	47.000	163	7Del Crv	2.9450	11000.	94	36972	No
223	GOM_NL__2PRFIN20090326_231700_000000482077_00345_36972_2369.N1	26-MAR-2009 23:17:00	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	36972	No
224	GOM_NL__2PRFIN20090326_233052_000000442077_00345_36972_2370.N1	26-MAR-2009 23:30:52	Bright	44.000	152	12Alp2CVn	2.8900	11000.	88	36972	No
225	GOM_NL__2PRFIN20090326_233520_000000422077_00345_36972_2371.N1	26-MAR-2009 23:35:20	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	36972	No
226	GOM_NL__2PRFIN20090326_234446_000000492077_00345_36972_2372.N1	26-MAR-2009 23:44:46	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	36972	No
227	GOM_NL__2PRFIN20090326_235534_000000422077_00345_36972_2373.N1	26-MAR-2009 23:55:34	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	36972	No
228	GOM_NL__2PRFIN20090326_235718_000000432077_00345_36972_2374.N1	26-MAR-2009 23:57:18	Bright	43.000	66	37Gam Cyg	2.2080	5900.0	86	36972	No

3. Quality information per product

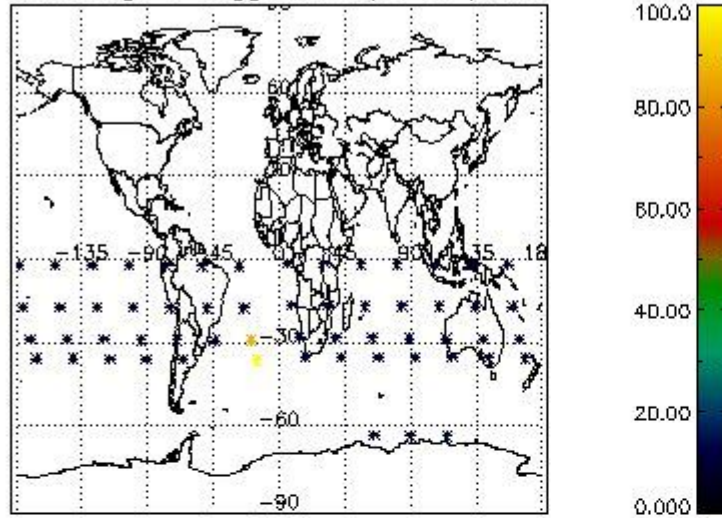
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

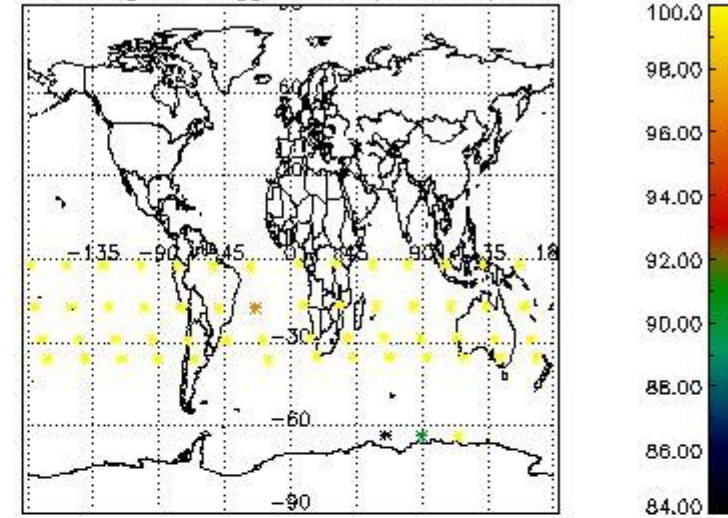


3.2 Plot quality information per product (world map)

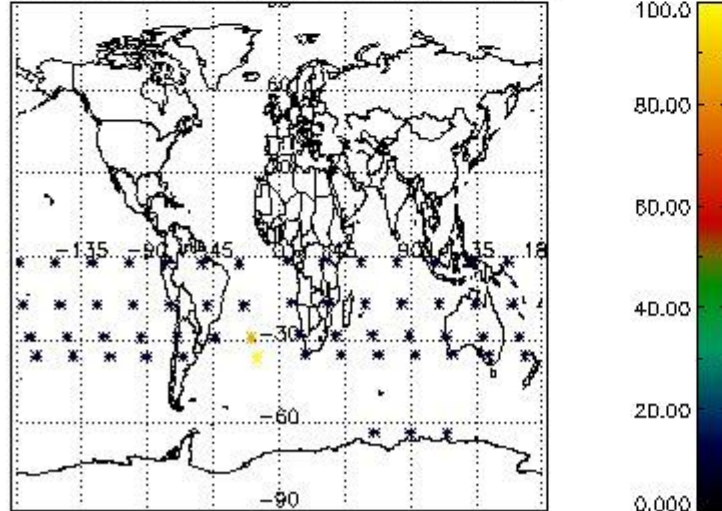
Percentage of flagged data per O3 profile



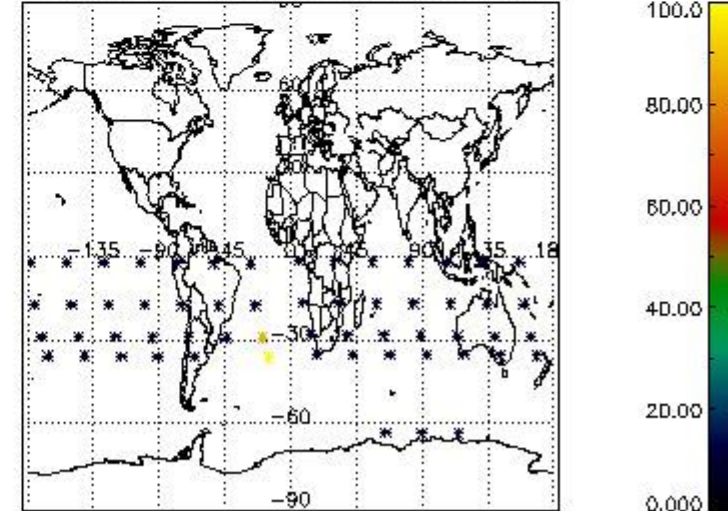
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

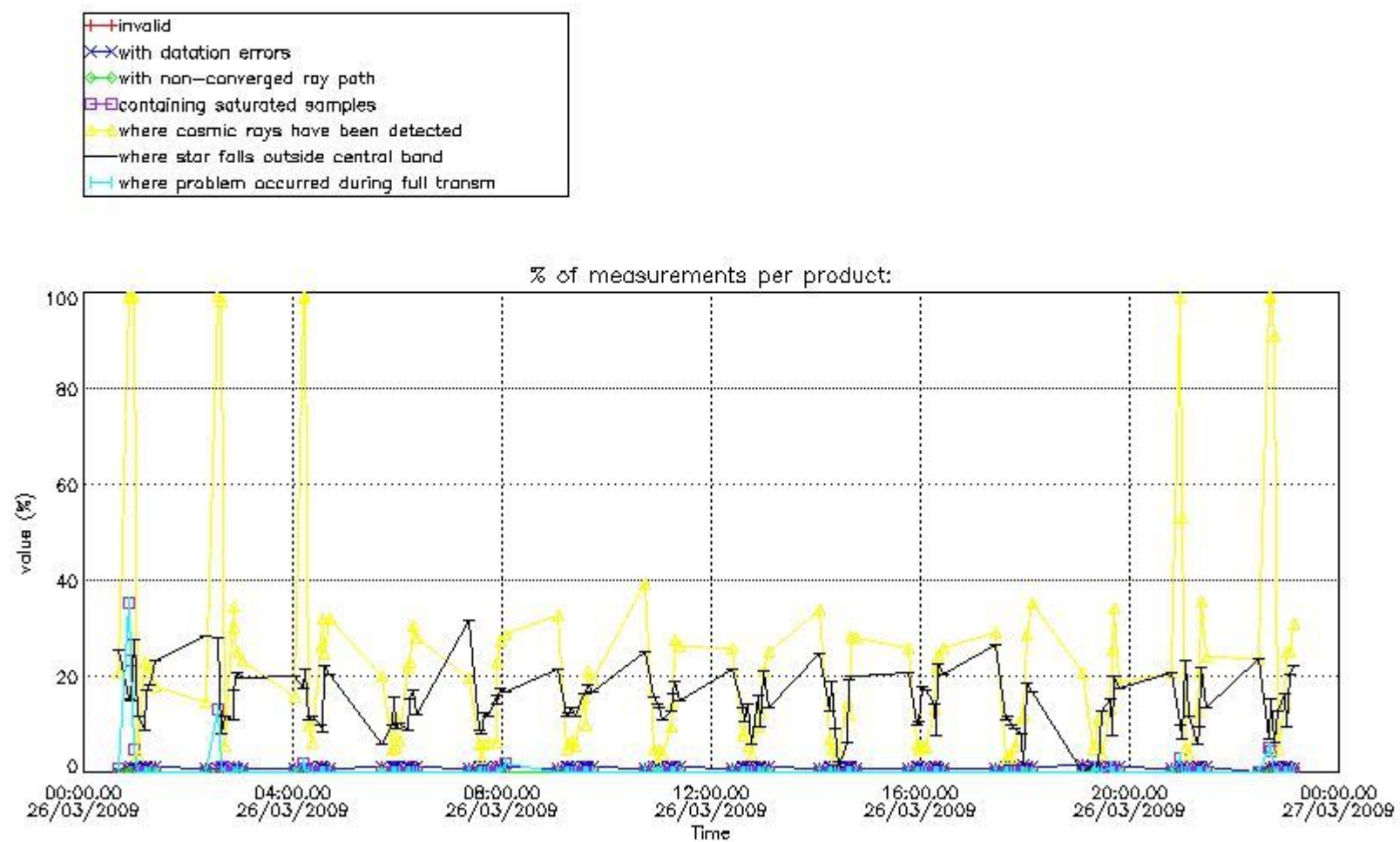


4. Level 1 quality information per product

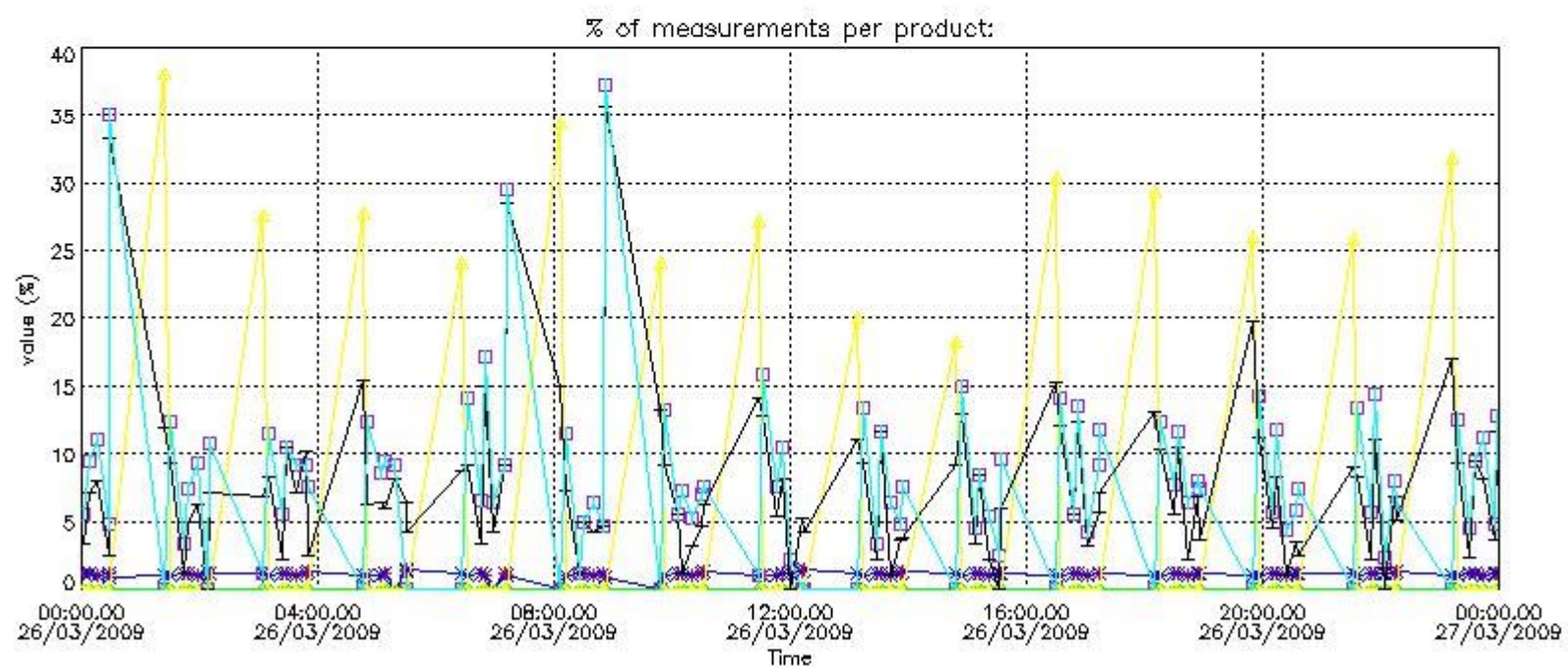
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

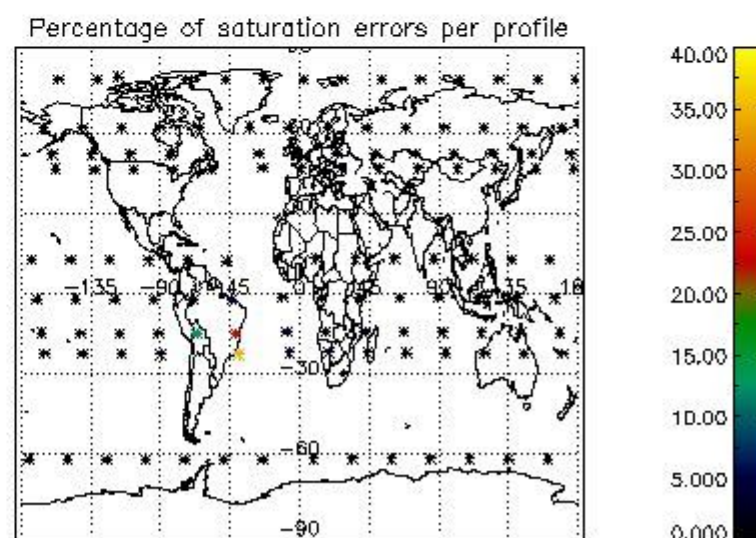
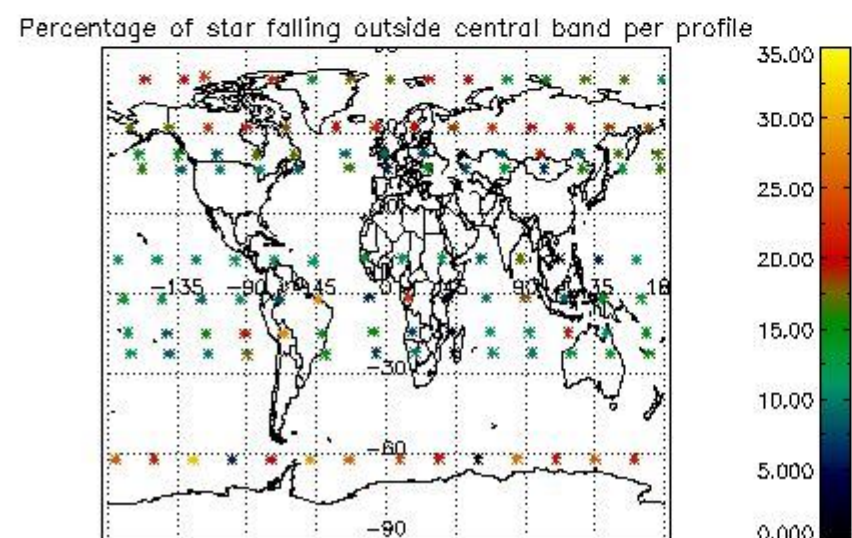
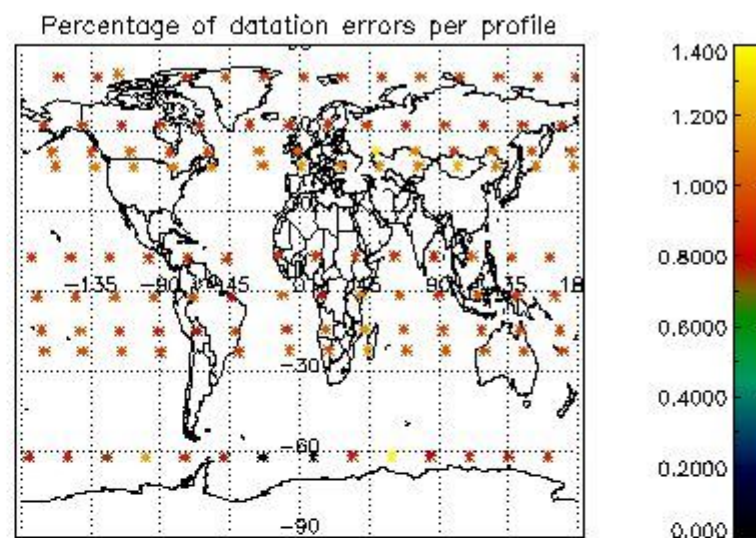
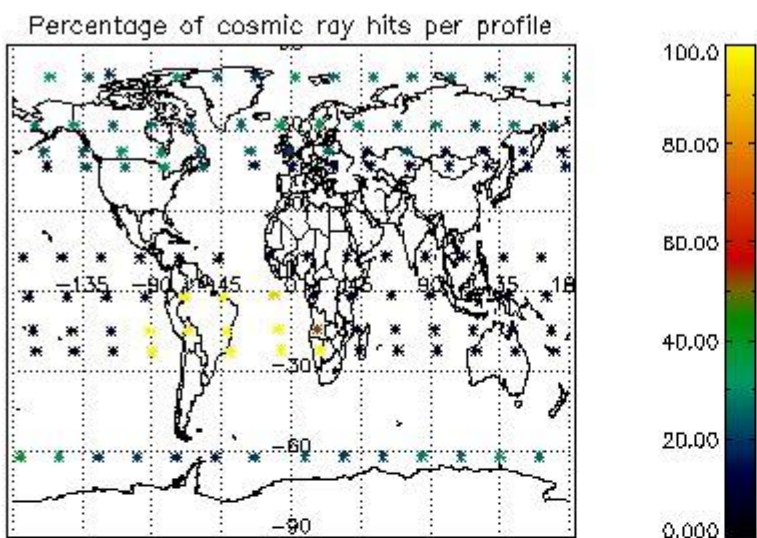


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

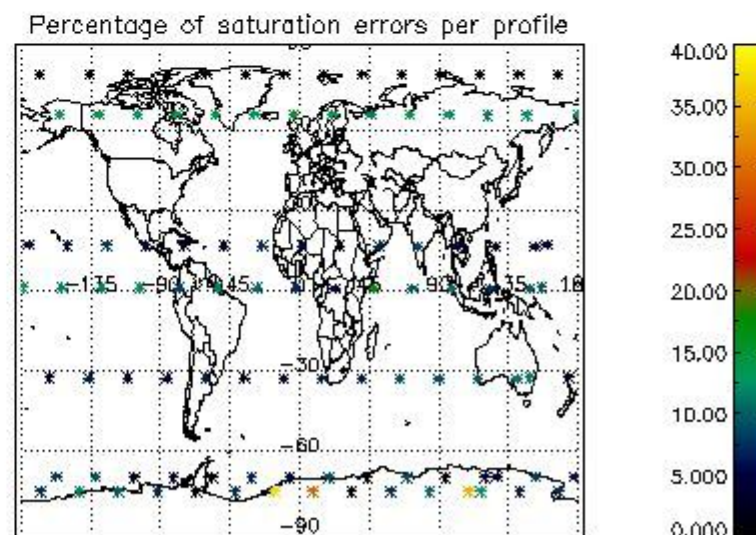
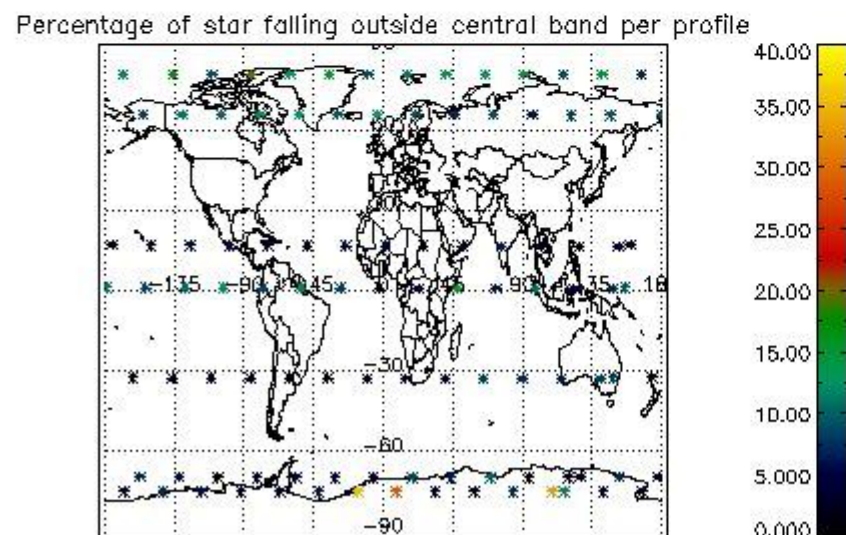
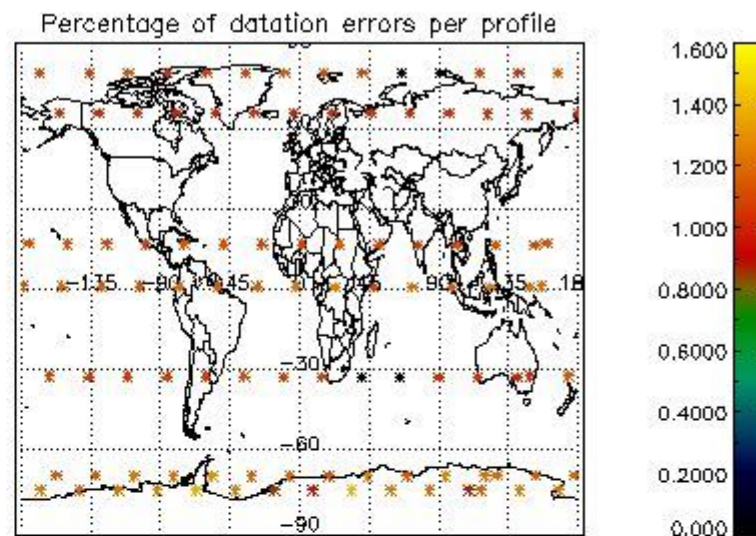
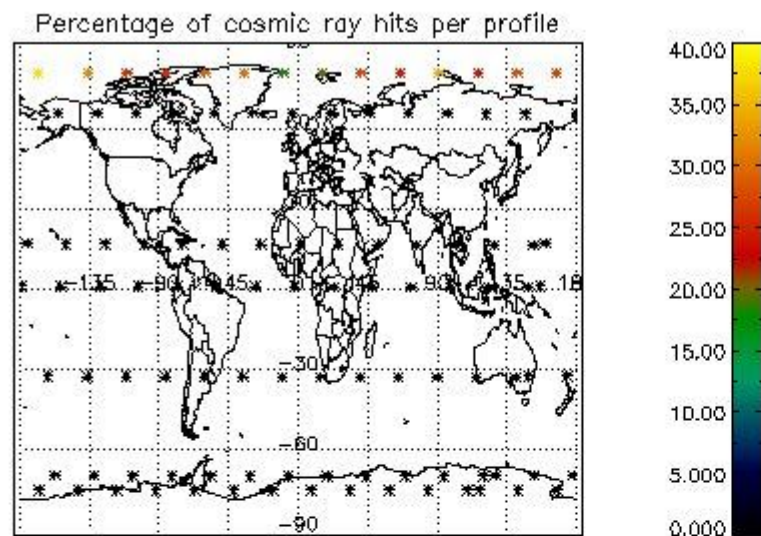


4.2 Plot quality information per product coming from level 1b processing (world map)

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

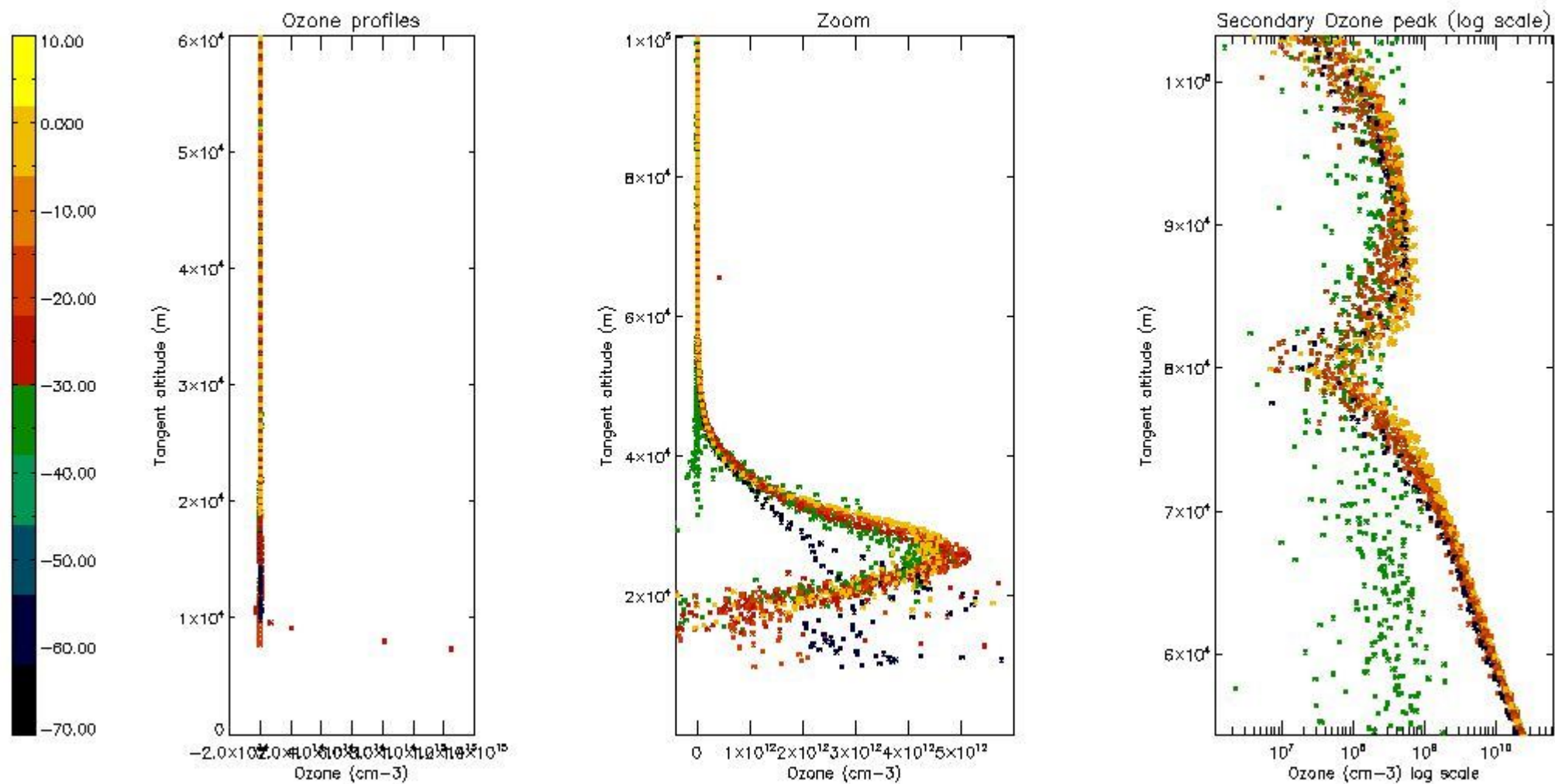
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	16

STD < 10	14
STD < 5	11

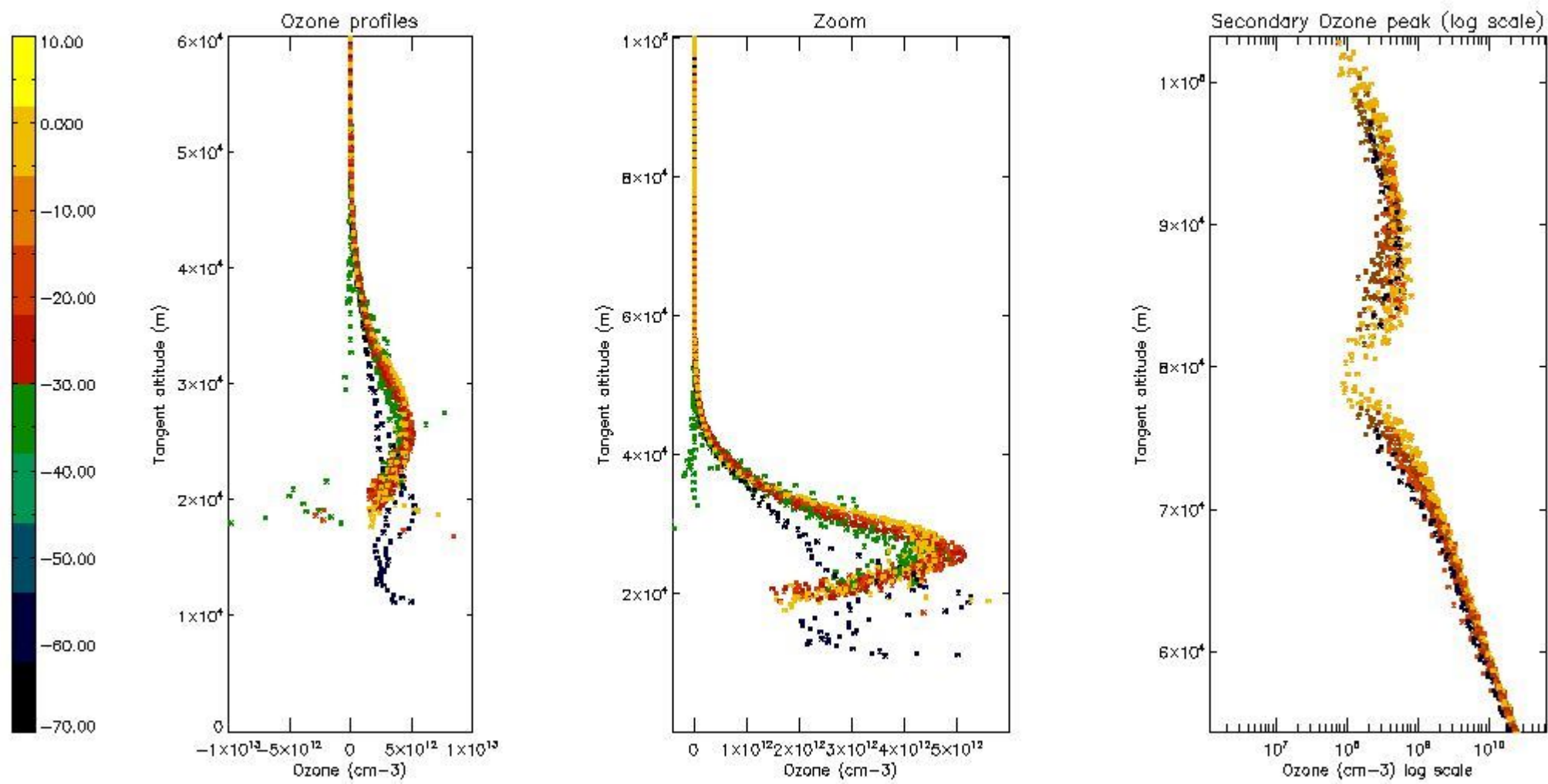
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



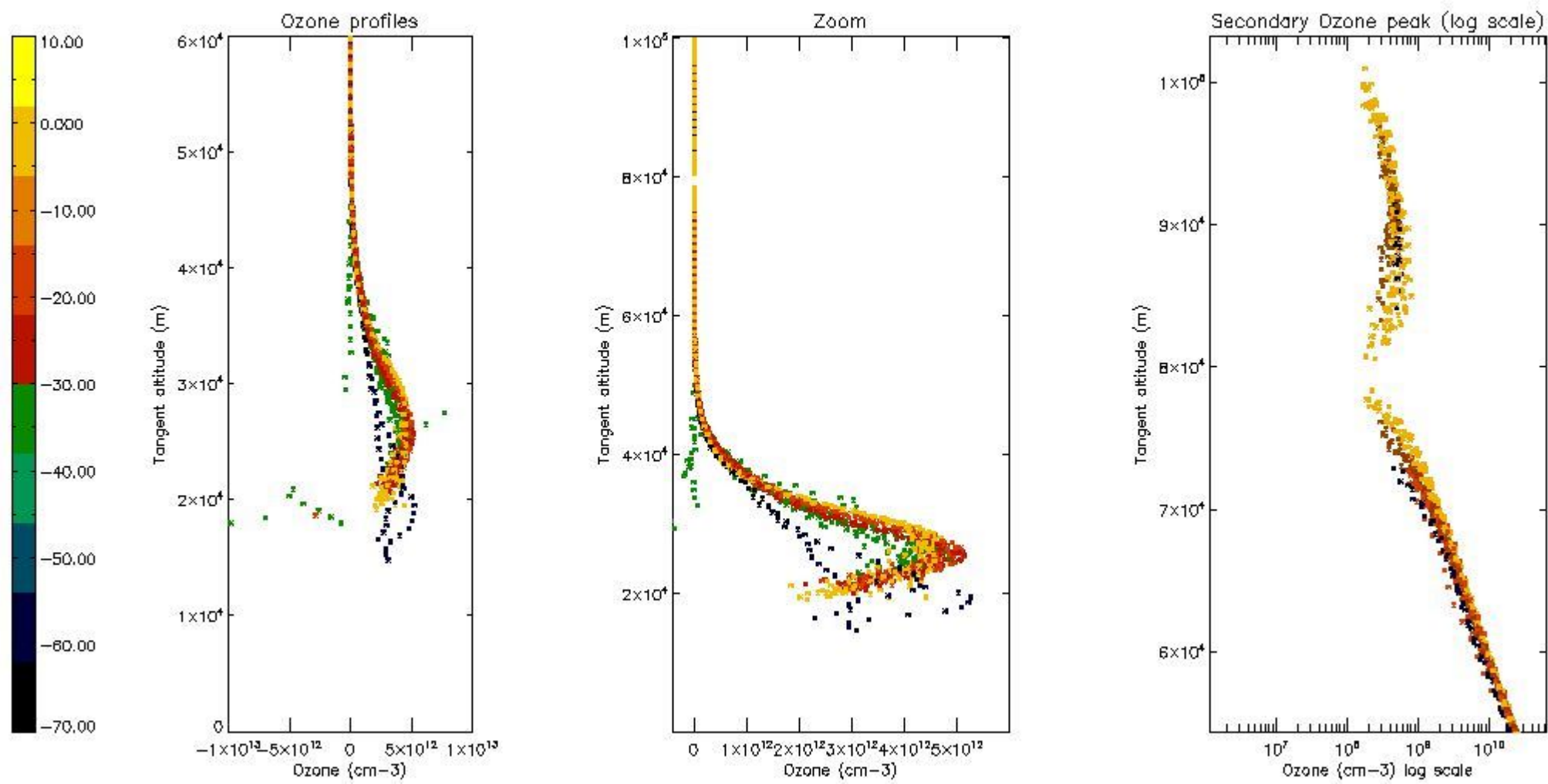
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



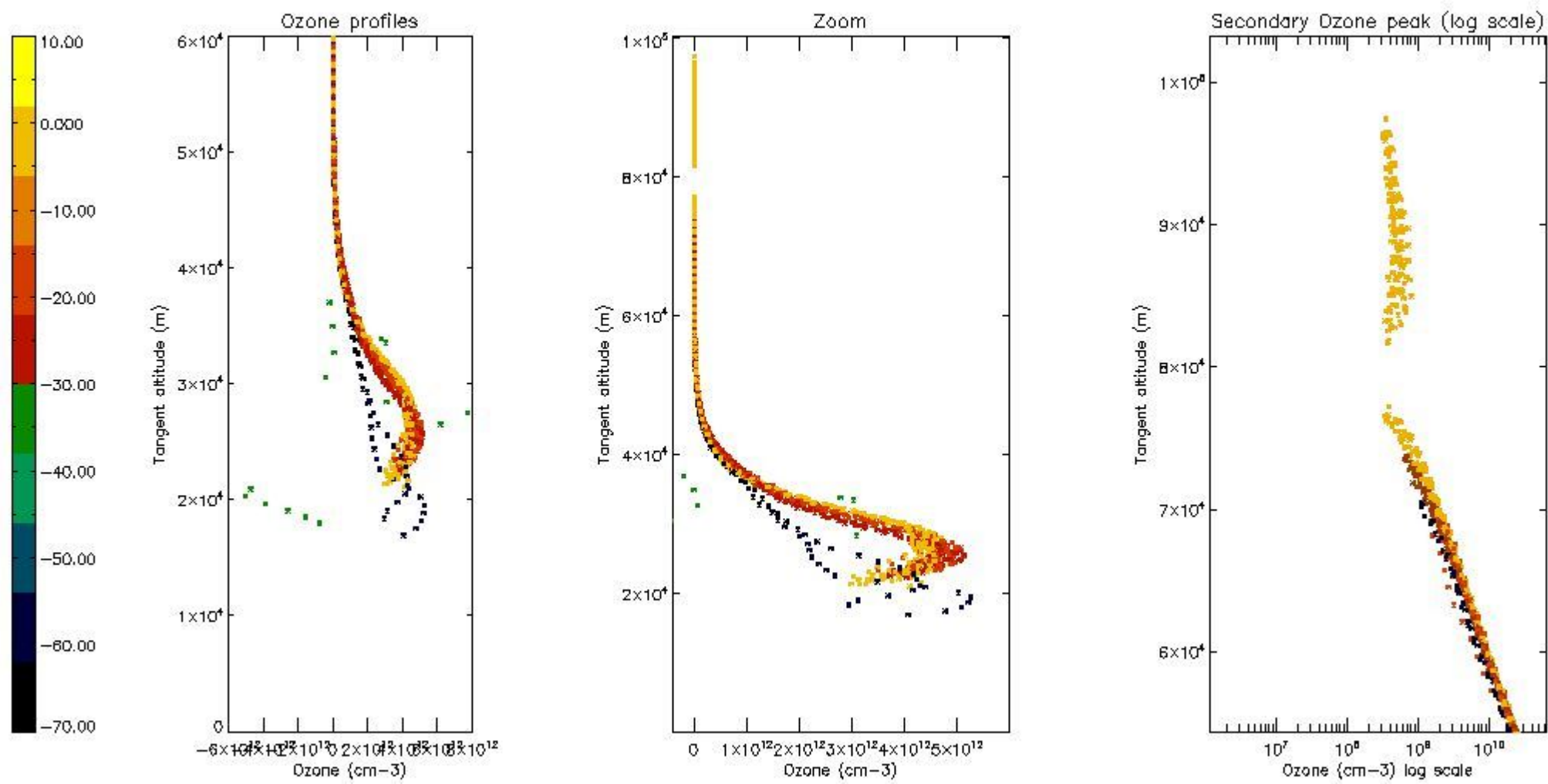
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



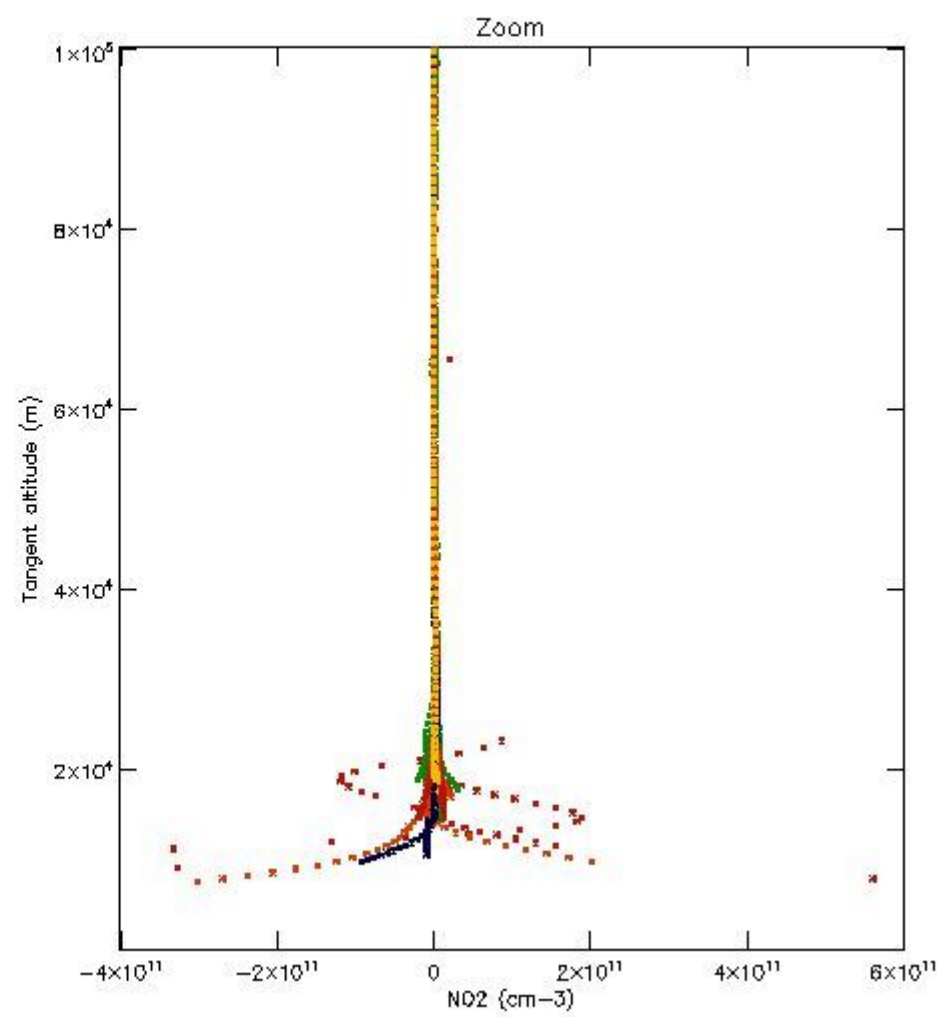
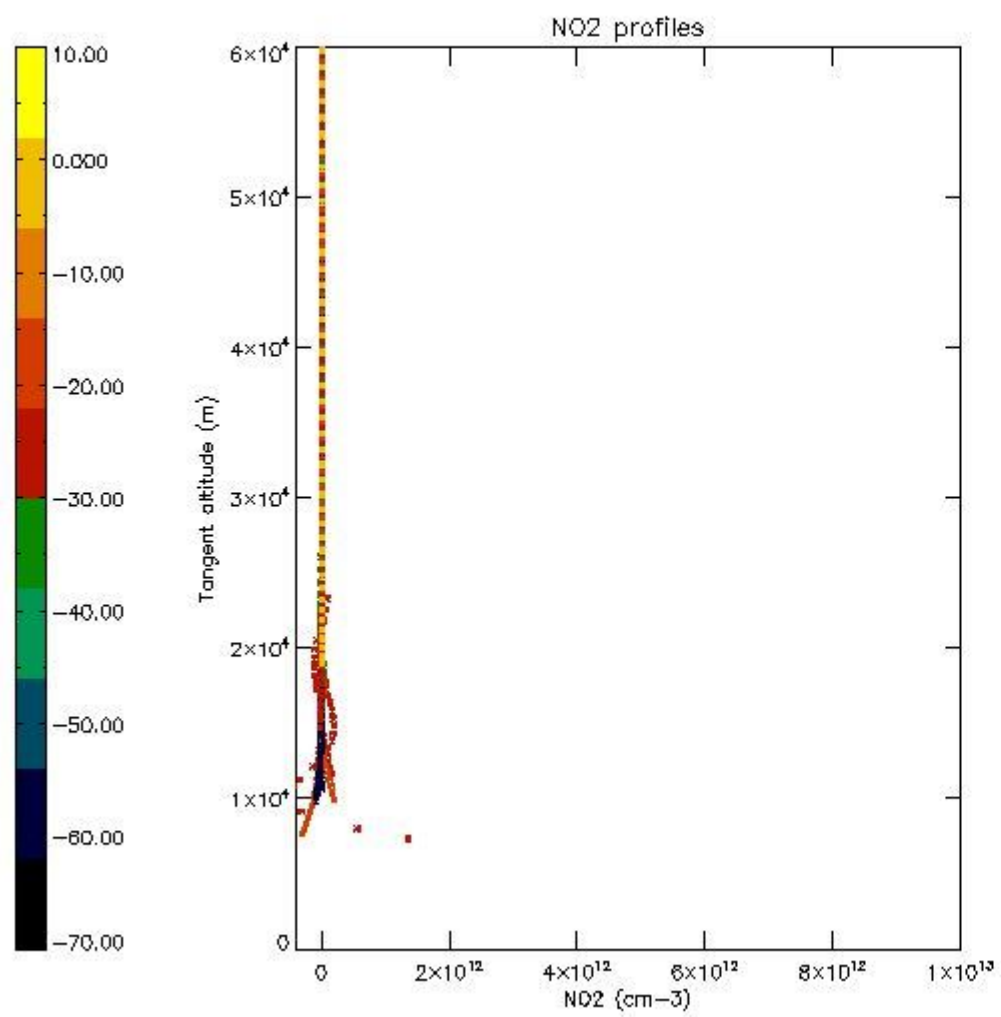
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



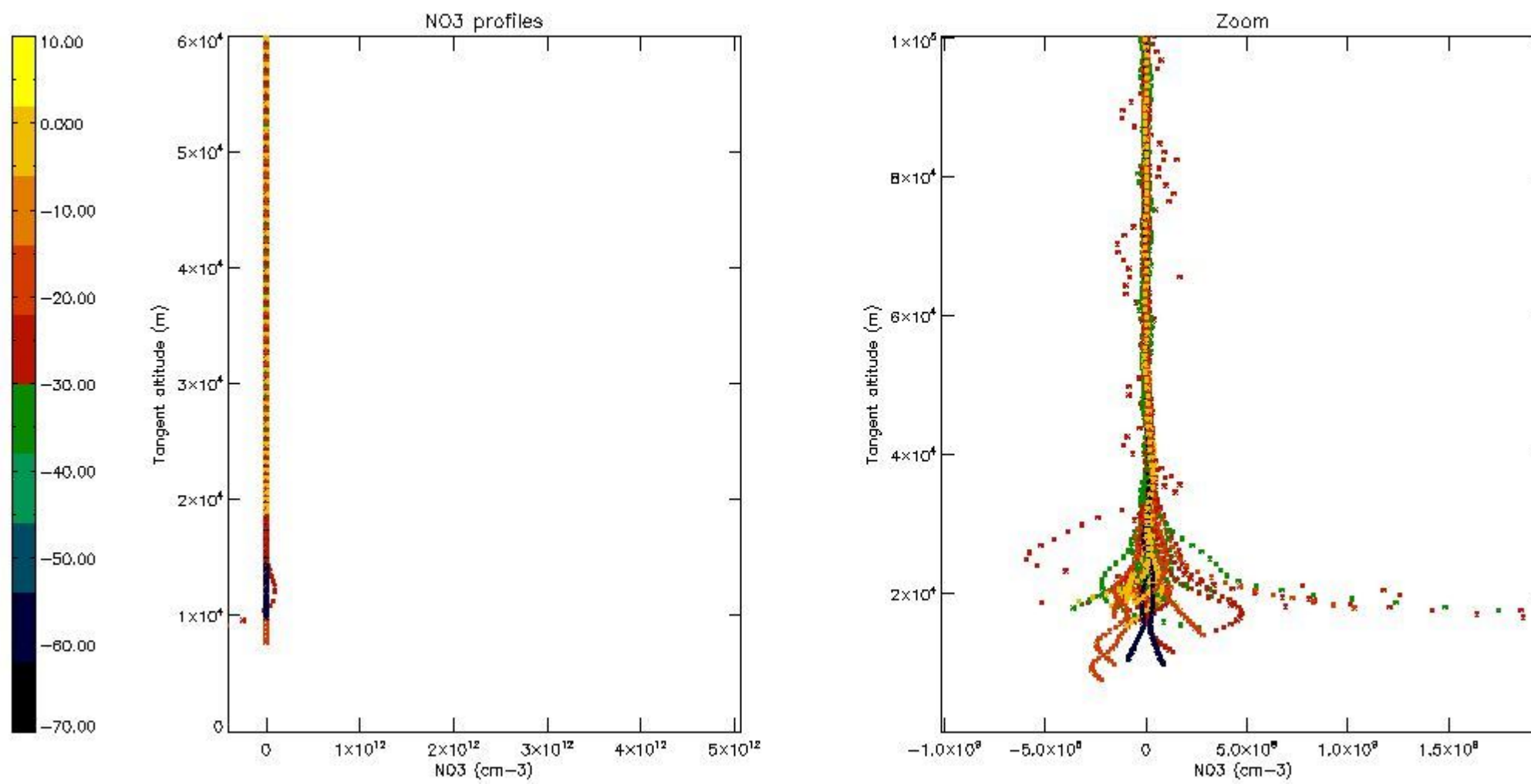
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	26-MAR-2009 00:02:40
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-MAR-2009 00:02:40
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-MAR-2009 00:02:40

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

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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	26APR2013 08:27:30
Data source version	GOMOS/6.01
Start time of products	26-03-2009 (26MAR2009 00:00:00)
Stop time of products	27-03-2009 (27MAR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	228
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090326_000240_000000452077_00331_36958_2137.N1	26-MAR-2009 00:02:40	Bright	45.000	152	12Alp2CVn	2.8900	11000.	90	36958	No
2	GOM_NL__2PRFIN20090326_000704_000000422077_00331_36958_2138.N1	26-MAR-2009 00:07:04	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	36958	No
3	GOM_NL__2PRFIN20090326_001633_000000502077_00331_36958_2139.N1	26-MAR-2009 00:16:33	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	36958	No
4	GOM_NL__2PRFIN20090326_002712_000000422077_00331_36958_2140.N1	26-MAR-2009 00:27:12	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	36958	No
5	GOM_NL__2PRFIN20090326_002854_000000572077_00331_36958_2141.N1	26-MAR-2009 00:28:54	Bright	57.000	66	37Gam Cyg	2.2080	5900.0	114	36958	No
6	GOM_NL__2PRFIN20090326_004004_000000612077_00331_36958_2142.N1	26-MAR-2009 00:40:04	Straylight	60.500	11	53Alp Aql	0.76500	8000.0	121	36958	No
7	GOM_NL__2PRFIN20090326_005116_000000562077_00331_36958_2143.N1	26-MAR-2009 00:51:16	Dark	55.500	155	41Pi Sgr	2.9000	6600.0	111	36958	No
8	GOM_NL__2PRFIN20090326_005326_000000542077_00331_36958_2144.N1	26-MAR-2009 00:53:26	Dark	54.000	57	34Sig Sgr	2.0660	26000.	108	36958	No
9	GOM_NL__2PRFIN20090326_005702_000000632077_00331_36958_2145.N1	26-MAR-2009 00:57:02	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	36958	No
10	GOM_NL__2PRFIN20090326_010106_000000562077_00332_36959_2148.N1	26-MAR-2009 01:01:06	Dark	55.500	25	35Lam Sco	1.6200	28000.	111	36959	No
11	GOM_NL__2PRFIN20090326_011042_000000462077_00332_36959_2149.N1	26-MAR-2009 01:10:42	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	36959	No
12	GOM_NL__2PRFIN20090326_011217_000000532077_00332_36959_2150.N1	26-MAR-2009 01:12:17	Straylight	53.000	81	Eta Cen	2.3560	28000.	106	36959	No
13	GOM_NL__2PRFIN20090326_011510_000000562077_00332_36959_2151.N1	26-MAR-2009 01:15:10	Straylight	55.500	54	5The Cen	2.0550	4500.0	111	36959	No
14	GOM_NL__2PRFIN20090326_012144_000000482077_00332_36959_2152.N1	26-MAR-2009 01:21:44	Straylight	47.500	106	9Bet Crv	2.6480	5600.0	95	36959	No
15	GOM_NL__2PRFIN20090326_012359_000000462077_00332_36959_2153.N1	26-MAR-2009 01:23:59	Twilight_stray	46.000	163	7Del Crv	2.9450	11000.	92	36959	No
16	GOM_NL__2PRFIN20090326_012916_000000492077_00332_36959_2154.N1	26-MAR-2009 01:29:16	Bright	48.500	121	29Gam Vir	2.7400	7200.0	97	36959	No
17	GOM_NL__2PRFIN20090326_014315_000000452077_00332_36959_2155.N1	26-MAR-2009 01:43:15	Bright	44.500	152	12Alp2CVn	2.8900	11000.	89	36959	No
18	GOM_NL__2PRFIN20090326_014740_000000412077_00332_36959_2156.N1	26-MAR-2009 01:47:40	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	36959	No
19	GOM_NL__2PRFIN20090326_015708_000000492077_00332_36959_2157.N1	26-MAR-2009 01:57:08	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	36959	No
20	GOM_NL__2PRFIN20090326_020748_000000402077_00332_36959_2158.N1	26-MAR-2009 02:07:48	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	36959	No
21	GOM_NL__2PRFIN20090326_020930_000000422077_00332_36959_2159.N1	26-MAR-2009 02:09:30	Bright	42.000	66	37Gam Cyg	2.2080	5900.0	84	36959	No
22	GOM_NL__2PRFIN20090326_022040_000000652077_00332_36959_2160.N1	26-MAR-2009 02:20:40	Straylight	65.000	11	53Alp Aql	0.76500	8000.0	130	36959	No
23	GOM_NL__2PRFIN20090326_023403_000000652077_00332_36959_2161.N1	26-MAR-2009 02:34:03	Dark	64.500	57	34Sig Sgr	2.0660	26000.	129	36959	No
24	GOM_NL__2PRFIN20090326_023739_000000512077_00332_36959_2162.N1	26-MAR-2009 02:37:39	Dark	50.500	38	20Eps Sgr	1.8360	11000.	101	36959	No
25	GOM_NL__2PRFIN20090326_024143_000000562077_00333_36960_2163.N1	26-MAR-2009 02:41:43	Dark	55.500	25	35Lam Sco	1.6200	28000.	111	36960	No
26	GOM_NL__2PRFIN20090326_025119_000000472077_00333_36960_2164.N1	26-MAR-2009 02:51:19	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	36960	No
27	GOM_NL__2PRFIN20090326_025253_000000532077_00333_36960_2165.N1	26-MAR-2009 02:52:53	Straylight	53.000	81	Eta Cen	2.3560	28000.	106	36960	No
28	GOM_NL__2PRFIN20090326_025547_000000582077_00333_36960_2166.N1	26-MAR-2009 02:55:47	Straylight	57.500	54	5The Cen	2.0550	4500.0	115	36960	No
29	GOM_NL__2PRFIN20090326_030143_000000562077_00333_36960_2167.N1	26-MAR-2009 03:01:43	Straylight	56.000	169	46Gam Hya	2.9910	4700.0	112	36960	No
30	GOM_NL__2PRFIN20090326_030435_000000442077_00333_36960_2168.N1	26-MAR-2009 03:04:35	Twilight_stray	43.500	163	7Del Crv	2.9450	11000.	87	36960	No
31	GOM_NL__2PRFIN20090326_030951_000000482077_00333_36960_2169.N1	26-MAR-2009 03:09:51	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	36960	No
32	GOM_NL__2PRFIN20090326_032350_000000452077_00333_36960_2170.N1	26-MAR-2009 03:23:50	Bright	45.000	152	12Alp2CVn	2.8900	11000.	90	36960	No
33	GOM_NL__2PRFIN20090326_032815_000000432077_00333_36960_2171.N1	26-MAR-2009 03:28:15	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	36960	No
34	GOM_NL__2PRFIN20090326_033743_000000492077_00333_36960_2172.N1	26-MAR-2009 03:37:43	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	36960	No
35	GOM_NL__2PRFIN20090326_034824_000000442077_00333_36960_2173.N1	26-MAR-2009 03:48:24	Bright	44.000	144	18Del Cyg	2.8600	11000.	88	36960	No
36	GOM_NL__2PRFIN20090326_035006_000000402077_00333_36960_2174.N1	26-MAR-2009 03:50:06	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	36960	No
37	GOM_NL__2PRFIN20090326_040116_000000572077_00333_36960_2175.N1	26-MAR-2009 04:01:16	Straylight	57.000	11	53Alp Aql	0.76500	8000.0	114	36960	No
38	GOM_NL__2PRFIN20090326_041230_000000552077_00333_36960_2176.N1	26-MAR-2009 04:12:30	Dark	54.500	155	41Pi Sgr	2.9000	6600.0	109	36960	No
39	GOM_NL__2PRFIN20090326_041440_000000592077_00333_36960_2177.N1	26-MAR-2009 04:14:40	Dark	58.500	57	34Sig Sgr	2.0660	26000.	117	36960	No
40	GOM_NL__2PRFIN20090326_041816_000000512077_00333_36960_2178.N1	26-MAR-2009 04:18:16	Dark	51.000	38	20Eps Sgr	1.8360	11000.	102	36960	No
41	GOM_NL__2PRFIN20090326_042220_000000562077_00334_36961_2177.N1	26-MAR-2009 04:22:20	Dark	56.000	25	35Lam Sco	1.6200	28000.	112	36961	No
42	GOM_NL__2PRFIN20090326_043156_000000462077_00334_36961_2178.N1	26-MAR-2009 04:31:56	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	36961	No



102	GOM_NL__2PRFIN20090326_105458_000000552077_00337_36964_2249.N1	26-MAR-2009 10:54:58	Dark	55.000	155	41Pi Sgr	2.9000	6600.0	110	36964	No
103	GOM_NL__2PRFIN20090326_105708_000000542077_00337_36964_2250.N1	26-MAR-2009 10:57:08	Dark	53.500	57	34Sig Sgr	2.0660	26000.	107	36964	No
104	GOM_NL__2PRFIN20090326_110044_000000522077_00337_36964_2251.N1	26-MAR-2009 11:00:44	Dark	52.000	38	20Eps Sgr	1.8360	11000.	104	36964	No
105	GOM_NL__2PRFIN20090326_110449_000000552077_00338_36965_2253.N1	26-MAR-2009 11:04:49	Dark	54.500	25	35Lam Sco	1.6200	28000.	109	36965	No
106	GOM_NL__2PRFIN20090326_111422_000000472077_00338_36965_2254.N1	26-MAR-2009 11:14:22	Straylight	47.000	78	Alp Lup	2.3040	28000.	94	36965	No
107	GOM_NL__2PRFIN20090326_111557_000000522077_00338_36965_2255.N1	26-MAR-2009 11:15:57	Straylight	52.000	81	Eta Cen	2.3560	28000.	104	36965	No
108	GOM_NL__2PRFIN20090326_111850_000000562077_00338_36965_2256.N1	26-MAR-2009 11:18:50	Straylight	56.000	54	5The Cen	2.0550	4500.0	112	36965	No
109	GOM_NL__2PRFIN20090326_112444_000000542077_00338_36965_2257.N1	26-MAR-2009 11:24:44	Straylight	53.500	169	46Gam Hya	2.9910	4700.0	107	36965	No
110	GOM_NL__2PRFIN20090326_112735_000000462077_00338_36965_2258.N1	26-MAR-2009 11:27:35	Tw_i_and_stray	46.000	163	7Del Crv	2.9450	11000.	92	36965	No
111	GOM_NL__2PRFIN20090326_113250_000000512077_00338_36965_2259.N1	26-MAR-2009 11:32:50	Bright	50.500	121	29Gam Vir	2.7400	7200.0	101	36965	No
112	GOM_NL__2PRFIN20090326_114646_000000462077_00338_36965_2260.N1	26-MAR-2009 11:46:46	Bright	46.000	152	12Alp2CVn	2.8900	11000.	92	36965	No
113	GOM_NL__2PRFIN20090326_115112_000000432077_00338_36965_2261.N1	26-MAR-2009 11:51:12	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	36965	No
114	GOM_NL__2PRFIN20090326_120039_000000452077_00338_36965_2262.N1	26-MAR-2009 12:00:39	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	36965	No
115	GOM_NL__2PRFIN20090326_121123_000000392077_00338_36965_2263.N1	26-MAR-2009 12:11:23	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	36965	No
116	GOM_NL__2PRFIN20090326_121306_000000362077_00338_36965_2264.N1	26-MAR-2009 12:13:06	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	36965	No
117	GOM_NL__2PRFIN20090326_122419_000000562077_00338_36965_2265.N1	26-MAR-2009 12:24:19	Straylight	56.000	11	53Alp Aql	0.76500	8000.0	112	36965	No
118	GOM_NL__2PRFIN20090326_123535_000000522077_00338_36965_2266.N1	26-MAR-2009 12:35:35	Dark	52.000	155	41Pi Sgr	2.9000	6600.0	104	36965	No
119	GOM_NL__2PRFIN20090326_123745_000000522077_00338_36965_2267.N1	26-MAR-2009 12:37:45	Dark	51.500	57	34Sig Sgr	2.0660	26000.	103	36965	No
120	GOM_NL__2PRFIN20090326_124121_000000542077_00338_36965_2268.N1	26-MAR-2009 12:41:21	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	36965	No
121	GOM_NL__2PRFIN20090326_124526_000000532077_00339_36966_2267.N1	26-MAR-2009 12:45:26	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	36966	No
122	GOM_NL__2PRFIN20090326_125459_000000472077_00339_36966_2268.N1	26-MAR-2009 12:54:59	Straylight	47.000	78	Alp Lup	2.3040	28000.	94	36966	No
123	GOM_NL__2PRFIN20090326_125633_000000482077_00339_36966_2269.N1	26-MAR-2009 12:56:33	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	36966	No
124	GOM_NL__2PRFIN20090326_125926_000000572077_00339_36966_2270.N1	26-MAR-2009 12:59:26	Straylight	57.000	54	5The Cen	2.0550	4500.0	114	36966	No
125	GOM_NL__2PRFIN20090326_130520_000000522077_00339_36966_2271.N1	26-MAR-2009 13:05:20	Straylight	51.500	169	46Gam Hya	2.9910	4700.0	103	36966	No
126	GOM_NL__2PRFIN20090326_130811_000000452077_00339_36966_2272.N1	26-MAR-2009 13:08:11	Tw_i_and_stray	45.000	163	7Del Crv	2.9450	11000.	90	36966	No
127	GOM_NL__2PRFIN20090326_131326_000000492077_00339_36966_2273.N1	26-MAR-2009 13:13:26	Bright	48.500	121	29Gam Vir	2.7400	7200.0	97	36966	No
128	GOM_NL__2PRFIN20090326_132721_000000452077_00339_36966_2274.N1	26-MAR-2009 13:27:21	Bright	44.500	152	12Alp2CVn	2.8900	11000.	89	36966	No
129	GOM_NL__2PRFIN20090326_133147_000000432077_00339_36966_2275.N1	26-MAR-2009 13:31:47	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	36966	No
130	GOM_NL__2PRFIN20090326_134114_000000472077_00339_36966_2276.N1	26-MAR-2009 13:41:14	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	36966	No
131	GOM_NL__2PRFIN20090326_135159_000000422077_00339_36966_2277.N1	26-MAR-2009 13:51:59	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	36966	No
132	GOM_NL__2PRFIN20090326_135342_000000402077_00339_36966_2278.N1	26-MAR-2009 13:53:42	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	36966	No
133	GOM_NL__2PRFIN20090326_140456_000000612077_00339_36966_2279.N1	26-MAR-2009 14:04:56	Straylight	60.500	11	53Alp Aql	0.76500	8000.0	121	36966	No
134	GOM_NL__2PRFIN20090326_141612_000000522077_00339_36966_2280.N1	26-MAR-2009 14:16:12	Dark	51.500	155	41Pi Sgr	2.9000	6600.0	103	36966	No
135	GOM_NL__2PRFIN20090326_141822_000000552077_00339_36966_2281.N1	26-MAR-2009 14:18:22	Dark	55.000	57	34Sig Sgr	2.0660	26000.	110	36966	No
136	GOM_NL__2PRFIN20090326_142158_000000502077_00339_36966_2282.N1	26-MAR-2009 14:21:58	Dark	50.000	38	20Eps Sgr	1.8360	11000.	100	36966	No
137	GOM_NL__2PRFIN20090326_142604_000000502077_00340_36967_2282.N1	26-MAR-2009 14:26:04	Dark	49.500	25	35Lam Sco	1.6200	28000.	99	36967	No
138	GOM_NL__2PRFIN20090326_143535_000000422077_00340_36967_2283.N1	26-MAR-2009 14:35:35	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	36967	No
139	GOM_NL__2PRFIN20090326_143710_000000542077_00340_36967_2284.N1	26-MAR-2009 14:37:10	Straylight	54.000	81	Eta Cen	2.3560	28000.	108	36967	No
140	GOM_NL__2PRFIN20090326_144003_000000552077_00340_36967_2285.N1	26-MAR-2009 14:40:03	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	36967	No
141	GOM_NL__2PRFIN20090326_144556_000000562077_00340_36967_2286.N1	26-MAR-2009 14:45:56	Straylight	55.500	169	46Gam Hya	2.9910	4700.0	111	36967	No
142	GOM_NL__2PRFIN20090326_144847_000000442077_00340_36967_2287.N1	26-MAR-2009 14:48:47	Tw_i_and_stray	43.500	163	7Del Crv	2.9450	11000.	87	36967	No
143	GOM_NL__2PRFIN20090326_145401_000000502077_00340_36967_2288.N1	26-MAR-2009 14:54:01	Bright	50.000	121	29Gam Vir	2.7400	7200.0	100	36967	No
144	GOM_NL__2PRFIN20090326_150756_000000452077_00340_36967_2289.N1	26-MAR-2009 15:07:56	Bright	44.500	152	12Alp2CVn	2.8900	11000.	89	36967	No
145	GOM_NL__2PRFIN20090326_151223_000000422077_00340_36967_2290.N1	26-MAR-2009 15:12:23	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	36967	No
146	GOM_NL__2PRFIN20090326_152150_000000472077_00340_36967_2291.N1	26-MAR-2009 15:21:50	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	36967	No
147	GOM_NL__2PRFIN20090326_153235_000000412077_00340_36967_2292.N1	26-MAR-2009 15:32:35	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	36967	No
148	GOM_NL__2PRFIN20090326_153418_000000422077_00340_36967_2293.N1	26-MAR-2009 15:34:18	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	36967	No
149	GOM_NL__2PRFIN20090326_154532_000000582077_00340_36967_2294.N1	26-MAR-2009 15:45:32	Straylight	58.000	11	53Alp Aql	0.76500	8000.0	116	36967	No
150	GOM_NL__2PRFIN20090326_155649_000000512077_00340_36967_2295.N1	26-MAR-2009 15:56:49	Dark	50.500	155	41Pi Sgr	2.9000	6600.0	101	36967	No
151	GOM_NL__2PRFIN20090326_155859_000000522077_00340_36967_2296.N1	26-MAR-2009 15:58:59	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	36967	No
152	GOM_NL__2PRFIN20090326_160236_000000562077_00340_36967_2297.N1	26-MAR-2009 16:02:36	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	36967	No
153	GOM_NL__2PRFIN20090326_160641_000000592077_00341_36968_2298.N1	26-MAR-2009 16:06:41	Dark	59.000	25	35Lam Sco	1.6200	28000.	118	36968	No
154	GOM_NL__2PRFIN20090326_161612_000000462077_00341_36968_2299.N1	26-MAR-2009 16:16:12	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	36968	No
155	GOM_NL__2PRFIN20090326_161747_000000462077_00341_36968_2300.N1	26-MAR-2009 16:17:47	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	36968	No
156	GOM_NL__2PRFIN20090326_162039_000000582077_00341_36968_2301.N1	26-MAR-2009 16:20:39	Straylight	57.500	54	5The Cen	2.0550	4500.0	115	36968	No
157	GOM_NL__2PRFIN20090326_162633_000000562077_00341_36968_2302.N1	26-MAR-2009 16:26:33	Straylight	56.000	169	46Gam Hya	2.9910	4700.0	112	36968	No
158	GOM_NL__2PRFIN20090326_162924_000000462077_00341_36968_2303.N1	26-MAR-2009 16:29:24	Tw_i_and_stray	46.000	163	7Del Crv	2.9450	11000.	92	36968	No
159	GOM_NL__2PRFIN20090326_163437_000000502077_00341_36968_2304.N1	26-MAR-2009 16:34:37	Bright	49.500	121	29Gam Vir	2.7400	7200.0	99	36968	No
160	GOM_NL__2PRFIN20090326_164832_000000462077_00341_36968_2305.N1	26-MAR-2009 16:48:32	Bright	45.500	152	12Alp2CVn	2.8900	11000.	91	36968	No

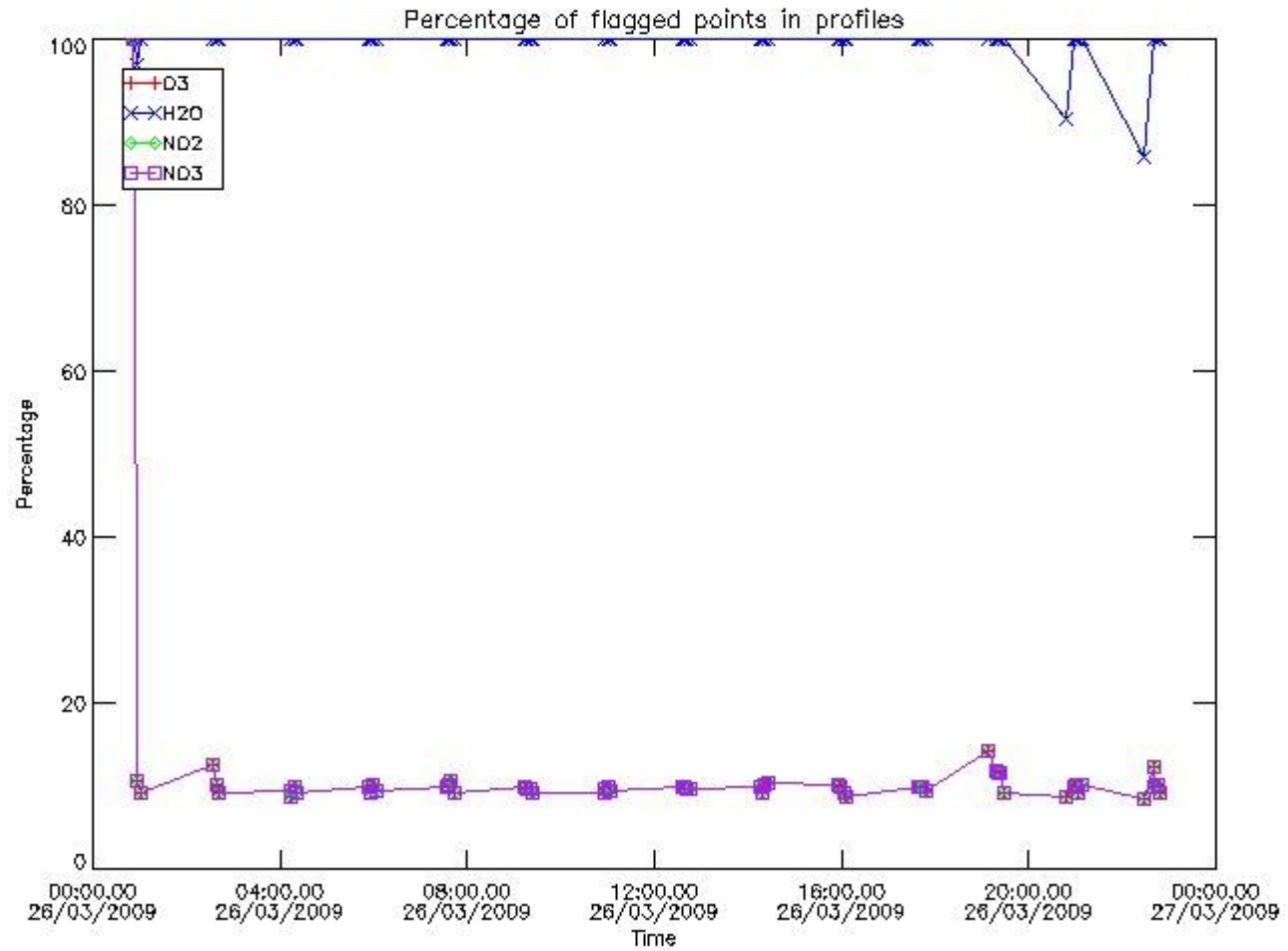
161	GOM_NL__2PRFIN20090326_165258_00000452077_00341_36968_2306.N1	26-MAR-2009 16:52:58	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	36968	No
162	GOM_NL__2PRFIN20090326_170225_00000472077_00341_36968_2307.N1	26-MAR-2009 17:02:25	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	36968	No
163	GOM_NL__2PRFIN20090326_171311_00000442077_00341_36968_2308.N1	26-MAR-2009 17:13:11	Bright	44.000	144	18Del Cyg	2.8600	11000.	88	36968	No
164	GOM_NL__2PRFIN20090326_171454_00000432077_00341_36968_2309.N1	26-MAR-2009 17:14:54	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	36968	No
165	GOM_NL__2PRFIN20090326_172609_00000622077_00341_36968_2310.N1	26-MAR-2009 17:26:09	Straylight	62.000	11	53Alp Aql	0.76500	8000.0	124	36968	No
166	GOM_NL__2PRFIN20090326_173726_00000512077_00341_36968_2311.N1	26-MAR-2009 17:37:26	Dark	51.000	155	41Pi Sgr	2.9000	6600.0	102	36968	No
167	GOM_NL__2PRFIN20090326_173936_00000522077_00341_36968_2312.N1	26-MAR-2009 17:39:36	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	36968	No
168	GOM_NL__2PRFIN20090326_174313_00000522077_00341_36968_2313.N1	26-MAR-2009 17:43:13	Dark	51.500	38	20Eps Sgr	1.8360	11000.	103	36968	No
169	GOM_NL__2PRFIN20090326_174718_00000552077_00342_36969_2312.N1	26-MAR-2009 17:47:18	Dark	54.500	25	35Lam Sco	1.6200	28000.	109	36969	No
170	GOM_NL__2PRFIN20090326_175649_00000452077_00342_36969_2313.N1	26-MAR-2009 17:56:49	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	36969	No
171	GOM_NL__2PRFIN20090326_175823_00000372077_00342_36969_2314.N1	26-MAR-2009 17:58:23	Straylight	37.000	81	Eta Cen	2.3560	28000.	74	36969	No
172	GOM_NL__2PRFIN20090326_180116_00000542077_00342_36969_2315.N1	26-MAR-2009 18:01:16	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	36969	No
173	GOM_NL__2PRFIN20090326_180709_00000542077_00342_36969_2316.N1	26-MAR-2009 18:07:09	Straylight	54.000	169	46Gam Hya	2.9910	4700.0	108	36969	No
174	GOM_NL__2PRFIN20090326_181000_00000462077_00342_36969_2317.N1	26-MAR-2009 18:10:00	Twi_and_stray	46.000	163	7Del Crv	2.9450	11000.	92	36969	No
175	GOM_NL__2PRFIN20090326_181513_00000492077_00342_36969_2318.N1	26-MAR-2009 18:15:13	Bright	48.500	121	29Gam Vir	2.7400	7200.0	97	36969	No
176	GOM_NL__2PRFIN20090326_182907_00000462077_00342_36969_2319.N1	26-MAR-2009 18:29:07	Bright	45.500	152	12Alp2CVn	2.8900	11000.	91	36969	No
177	GOM_NL__2PRFIN20090326_183334_00000432077_00342_36969_2320.N1	26-MAR-2009 18:33:34	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	36969	No
178	GOM_NL__2PRFIN20090326_184300_00000472077_00342_36969_2321.N1	26-MAR-2009 18:43:00	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	36969	No
179	GOM_NL__2PRFIN20090326_185347_00000442077_00342_36969_2322.N1	26-MAR-2009 18:53:47	Bright	44.000	144	18Del Cyg	2.8600	11000.	88	36969	No
180	GOM_NL__2PRFIN20090326_185530_00000412077_00342_36969_2323.N1	26-MAR-2009 18:55:30	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	36969	No
181	GOM_NL__2PRFIN20090326_190645_00000362077_00342_36969_2324.N1	26-MAR-2009 19:06:45	Dark	36.000	11	53Alp Aql	0.76500	8000.0	72	36969	No
182	GOM_NL__2PRFIN20090326_191803_00000432077_00342_36969_2325.N1	26-MAR-2009 19:18:03	Dark	43.000	155	41Pi Sgr	2.9000	6600.0	86	36969	No
183	GOM_NL__2PRFIN20090326_192014_00000442077_00342_36969_2326.N1	26-MAR-2009 19:20:14	Dark	44.000	57	34Sig Sgr	2.0660	26000.	88	36969	No
184	GOM_NL__2PRFIN20090326_192350_00000452077_00342_36969_2327.N1	26-MAR-2009 19:23:50	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	36969	No
185	GOM_NL__2PRFIN20090326_192756_00000562077_00343_36970_2330.N1	26-MAR-2009 19:27:56	Dark	55.500	25	35Lam Sco	1.6200	28000.	111	36970	No
186	GOM_NL__2PRFIN20090326_193725_00000462077_00343_36970_2331.N1	26-MAR-2009 19:37:25	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	36970	No
187	GOM_NL__2PRFIN20090326_193900_00000462077_00343_36970_2332.N1	26-MAR-2009 19:39:00	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	36970	No
188	GOM_NL__2PRFIN20090326_194153_00000562077_00343_36970_2333.N1	26-MAR-2009 19:41:53	Straylight	55.500	54	5The Cen	2.0550	4500.0	111	36970	No
189	GOM_NL__2PRFIN20090326_194745_00000542077_00343_36970_2334.N1	26-MAR-2009 19:47:45	Straylight	54.000	169	46Gam Hya	2.9910	4700.0	108	36970	No
190	GOM_NL__2PRFIN20090326_195036_00000482077_00343_36970_2335.N1	26-MAR-2009 19:50:36	Twi_and_stray	48.000	163	7Del Crv	2.9450	11000.	96	36970	No
191	GOM_NL__2PRFIN20090326_195549_00000492077_00343_36970_2336.N1	26-MAR-2009 19:55:49	Bright	49.000	121	29Gam Vir	2.7400	7200.0	98	36970	No
192	GOM_NL__2PRFIN20090326_200942_00000452077_00343_36970_2337.N1	26-MAR-2009 20:09:42	Bright	44.500	152	12Alp2CVn	2.8900	11000.	89	36970	No
193	GOM_NL__2PRFIN20090326_201409_00000432077_00343_36970_2338.N1	26-MAR-2009 20:14:09	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	36970	No
194	GOM_NL__2PRFIN20090326_202336_00000472077_00343_36970_2339.N1	26-MAR-2009 20:23:36	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	36970	No
195	GOM_NL__2PRFIN20090326_203422_00000432077_00343_36970_2340.N1	26-MAR-2009 20:34:22	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	36970	No
196	GOM_NL__2PRFIN20090326_203606_00000412077_00343_36970_2341.N1	26-MAR-2009 20:36:06	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	36970	No
197	GOM_NL__2PRFIN20090326_204722_00000582077_00343_36970_2342.N1	26-MAR-2009 20:47:22	Dark	58.000	11	53Alp Aql	0.76500	8000.0	116	36970	No
198	GOM_NL__2PRFIN20090326_205840_00000522077_00343_36970_2343.N1	26-MAR-2009 20:58:40	Dark	51.500	155	41Pi Sgr	2.9000	6600.0	103	36970	No
199	GOM_NL__2PRFIN20090326_210051_00000502077_00343_36970_2344.N1	26-MAR-2009 21:00:51	Dark	50.000	57	34Sig Sgr	2.0660	26000.	100	36970	No
200	GOM_NL__2PRFIN20090326_210427_00000612077_00343_36970_2345.N1	26-MAR-2009 21:04:27	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	36970	No
201	GOM_NL__2PRFIN20090326_210833_00000562077_00344_36971_2344.N1	26-MAR-2009 21:08:33	Dark	55.500	25	35Lam Sco	1.6200	28000.	111	36971	No
202	GOM_NL__2PRFIN20090326_211802_00000432077_00344_36971_2345.N1	26-MAR-2009 21:18:02	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	36971	No
203	GOM_NL__2PRFIN20090326_211937_00000482077_00344_36971_2346.N1	26-MAR-2009 21:19:37	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	36971	No
204	GOM_NL__2PRFIN20090326_212229_00000582077_00344_36971_2347.N1	26-MAR-2009 21:22:29	Straylight	57.500	54	5The Cen	2.0550	4500.0	115	36971	No
205	GOM_NL__2PRFIN20090326_212821_00000522077_00344_36971_2348.N1	26-MAR-2009 21:28:21	Straylight	52.000	169	46Gam Hya	2.9910	4700.0	104	36971	No
206	GOM_NL__2PRFIN20090326_213112_00000452077_00344_36971_2349.N1	26-MAR-2009 21:31:12	Twi_and_stray	44.500	163	7Del Crv	2.9450	11000.	89	36971	No
207	GOM_NL__2PRFIN20090326_213624_00000492077_00344_36971_2350.N1	26-MAR-2009 21:36:24	Bright	48.500	121	29Gam Vir	2.7400	7200.0	97	36971	No
208	GOM_NL__2PRFIN20090326_215017_00000452077_00344_36971_2351.N1	26-MAR-2009 21:50:17	Bright	44.500	152	12Alp2CVn	2.8900	11000.	89	36971	No
209	GOM_NL__2PRFIN20090326_215444_00000452077_00344_36971_2352.N1	26-MAR-2009 21:54:44	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	36971	No
210	GOM_NL__2PRFIN20090326_220411_00000442077_00344_36971_2353.N1	26-MAR-2009 22:04:11	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	36971	No
211	GOM_NL__2PRFIN20090326_221458_00000442077_00344_36971_2354.N1	26-MAR-2009 22:14:58	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	36971	No
212	GOM_NL__2PRFIN20090326_221642_00000402077_00344_36971_2355.N1	26-MAR-2009 22:16:42	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	36971	No
213	GOM_NL__2PRFIN20090326_222759_00000602077_00344_36971_2356.N1	26-MAR-2009 22:27:59	Dark	59.500	11	53Alp Aql	0.76500	8000.0	119	36971	No
214	GOM_NL__2PRFIN20090326_223917_00000502077_00344_36971_2357.N1	26-MAR-2009 22:39:17	Dark	50.000	155	41Pi Sgr	2.9000	6600.0	100	36971	No
215	GOM_NL__2PRFIN20090326_224128_00000562077_00344_36971_2358.N1	26-MAR-2009 22:41:28	Dark	56.000	57	34Sig Sgr	2.0660	26000.	112	36971	No
216	GOM_NL__2PRFIN20090326_224504_00000502077_00344_36971_2359.N1	26-MAR-2009 22:45:04	Dark	50.000	38	20Eps Sgr	1.8360	11000.	100	36971	No
217	GOM_NL__2PRFIN20090326_224910_00000552077_00345_36972_2363.N1	26-MAR-2009 22:49:10	Dark	55.000	25	35Lam Sco	1.6200	28000.	110	36972	No
218	GOM_NL__2PRFIN20090326_225838_00000492077_00345_36972_2364.N1	26-MAR-2009 22:58:38	Straylight	49.000	78	Alp Lup	2.3040	28000.	98	36972	No
219	GOM_NL__2PRFIN20090326_230013_00000482077_00345_36972_2365.N1	26-MAR-2009 23:00:13	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	36972	No

220	GOM_NL__2PRFIN20090326_230305_000000562077_00345_36972_2366.N1	26-MAR-2009 23:03:05	Straylight	56.000	54	5The Cen	2.0550	4500.0	112	36972	No
221	GOM_NL__2PRFIN20090326_230857_000000572077_00345_36972_2367.N1	26-MAR-2009 23:08:57	Straylight	56.500	169	46Gam Hya	2.9910	4700.0	113	36972	No
222	GOM_NL__2PRFIN20090326_231148_000000472077_00345_36972_2368.N1	26-MAR-2009 23:11:48	Twilight_stray	47.000	163	7Del Crv	2.9450	11000.	94	36972	No
223	GOM_NL__2PRFIN20090326_231700_000000482077_00345_36972_2369.N1	26-MAR-2009 23:17:00	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	36972	No
224	GOM_NL__2PRFIN20090326_233052_000000442077_00345_36972_2370.N1	26-MAR-2009 23:30:52	Bright	44.000	152	12Alp2CVn	2.8900	11000.	88	36972	No
225	GOM_NL__2PRFIN20090326_233520_000000422077_00345_36972_2371.N1	26-MAR-2009 23:35:20	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	36972	No
226	GOM_NL__2PRFIN20090326_234446_000000492077_00345_36972_2372.N1	26-MAR-2009 23:44:46	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	36972	No
227	GOM_NL__2PRFIN20090326_235534_000000422077_00345_36972_2373.N1	26-MAR-2009 23:55:34	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	36972	No
228	GOM_NL__2PRFIN20090326_235718_000000432077_00345_36972_2374.N1	26-MAR-2009 23:57:18	Bright	43.000	66	37Gam Cyg	2.2080	5900.0	86	36972	No

3. Quality information per product

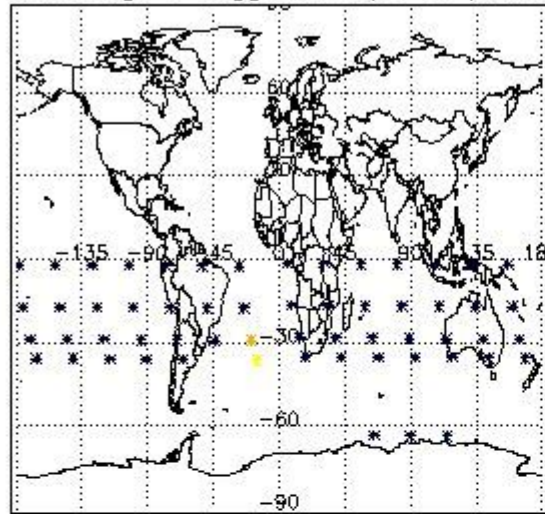
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

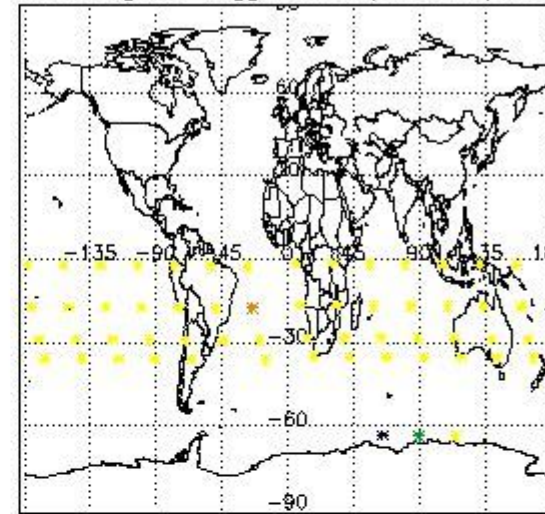


3.2 Plot quality information per product (world map)

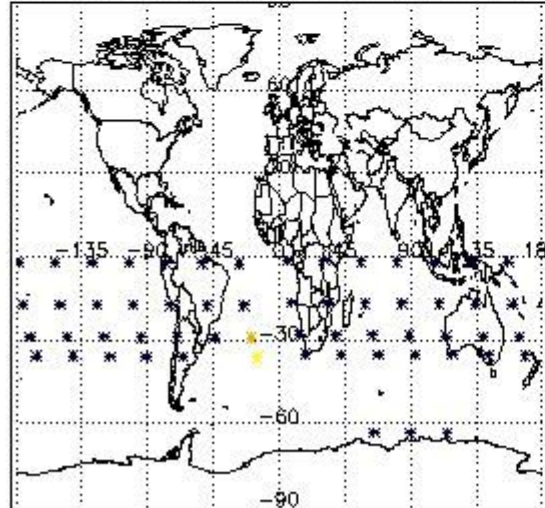
Percentage of flagged data per O3 profile



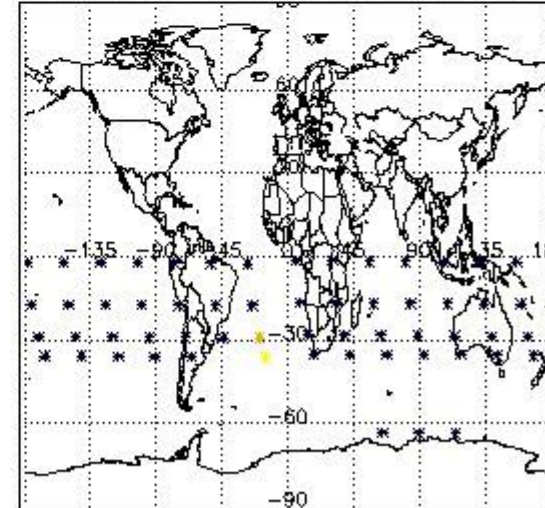
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

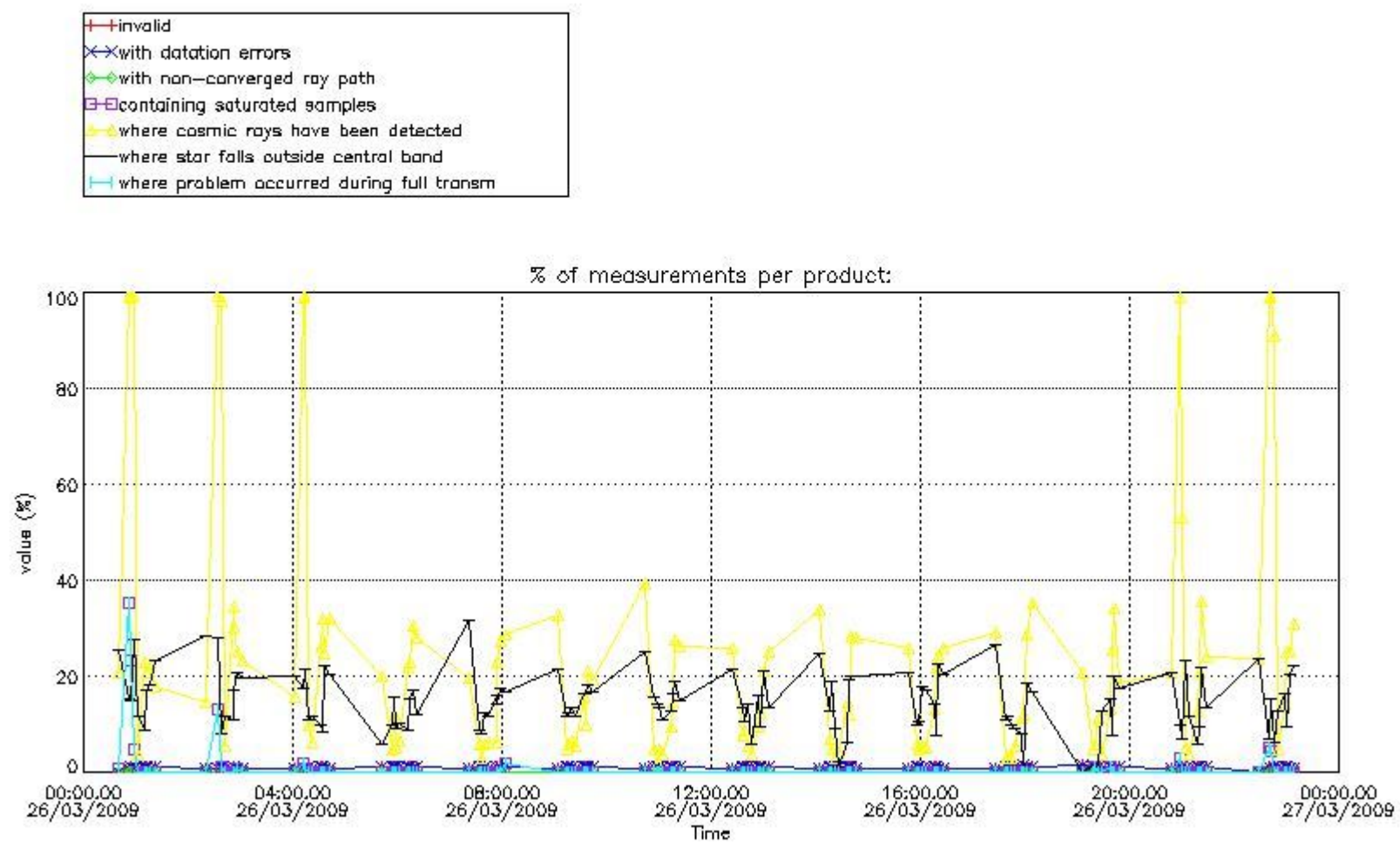


4. Level 1 quality information per product

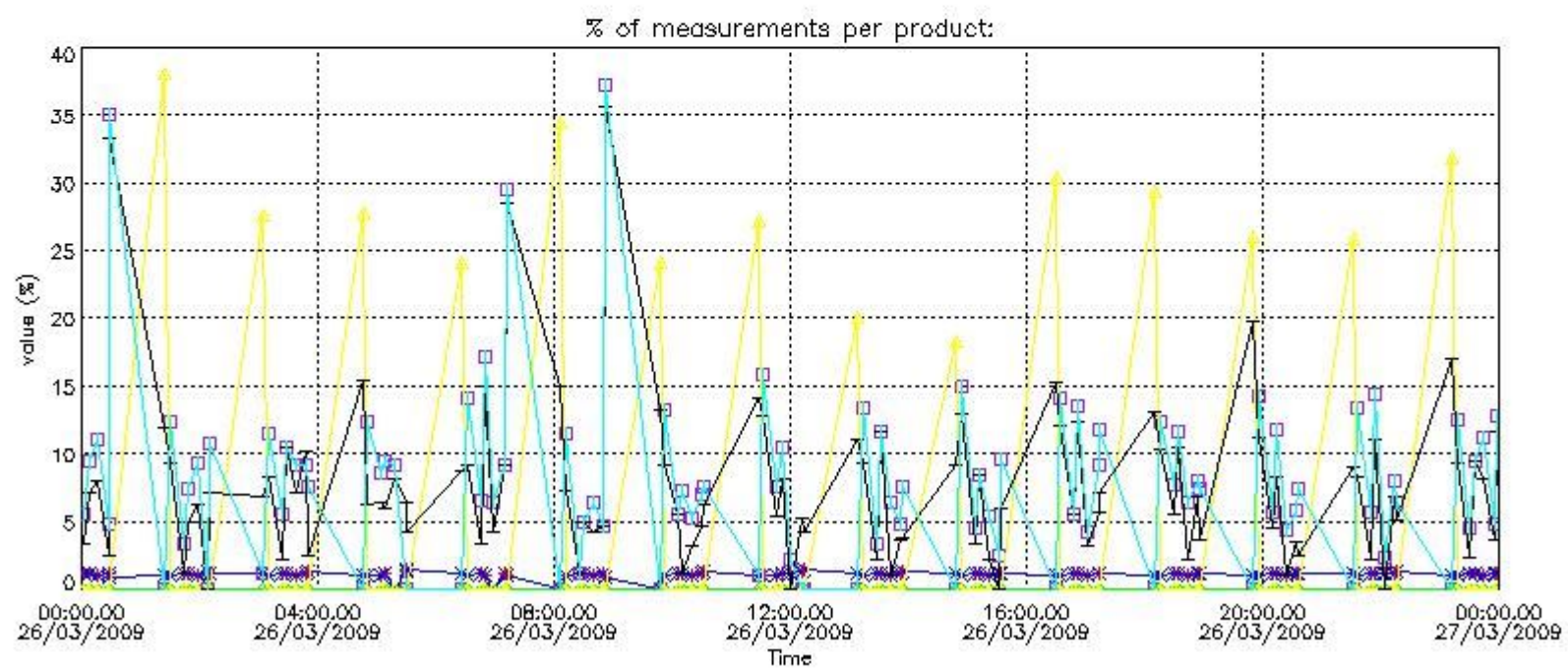
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

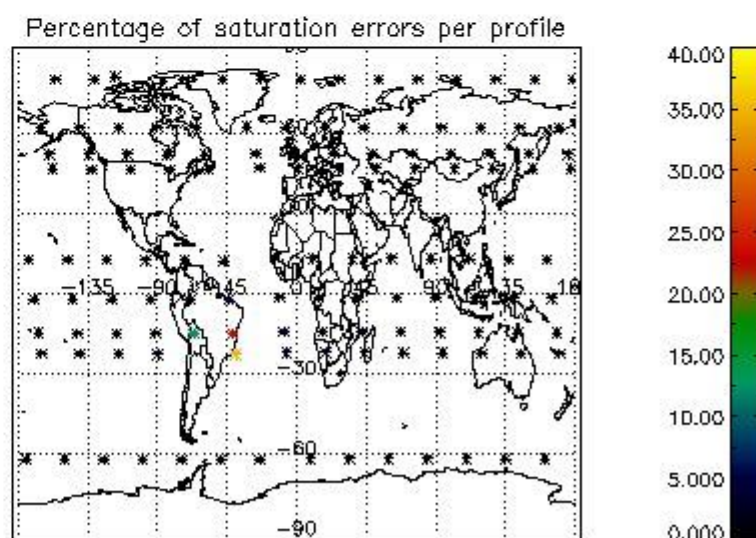
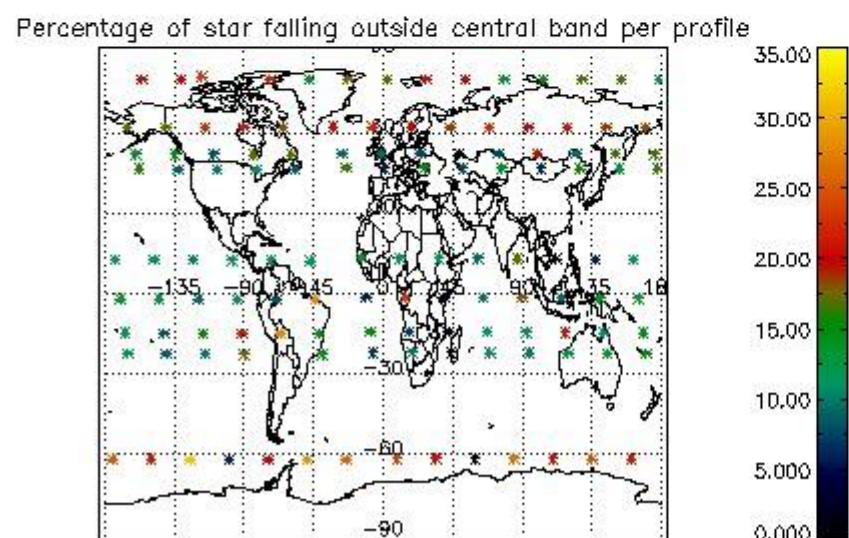
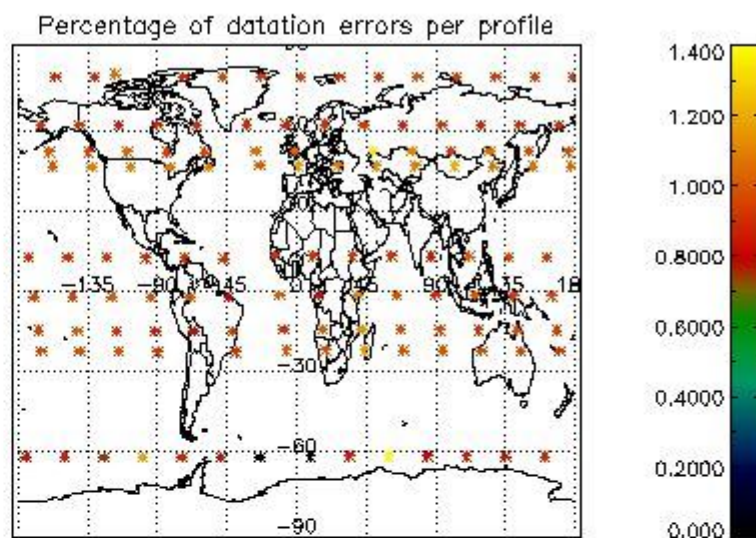
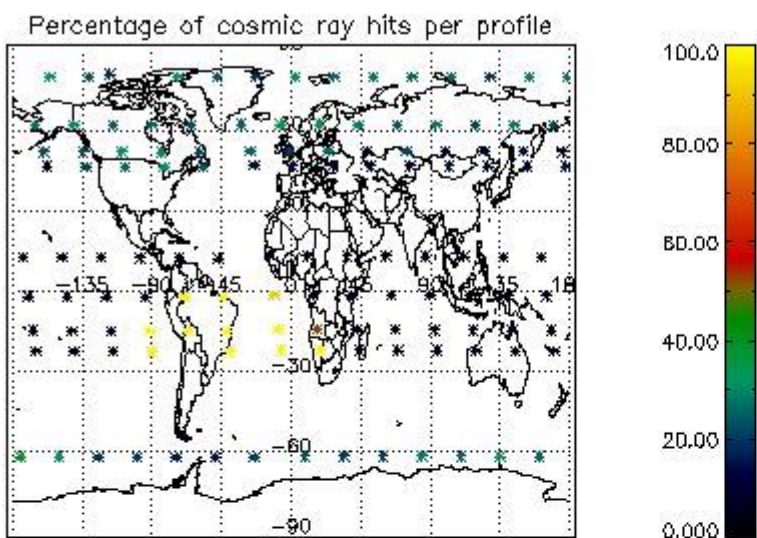


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

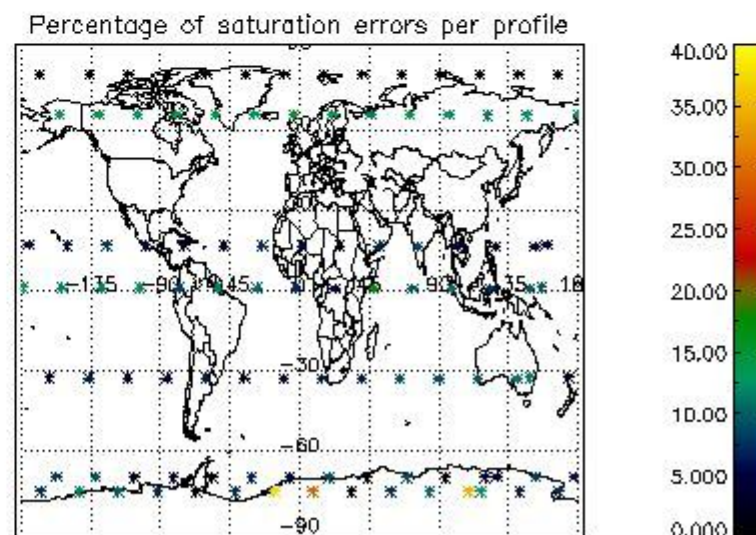
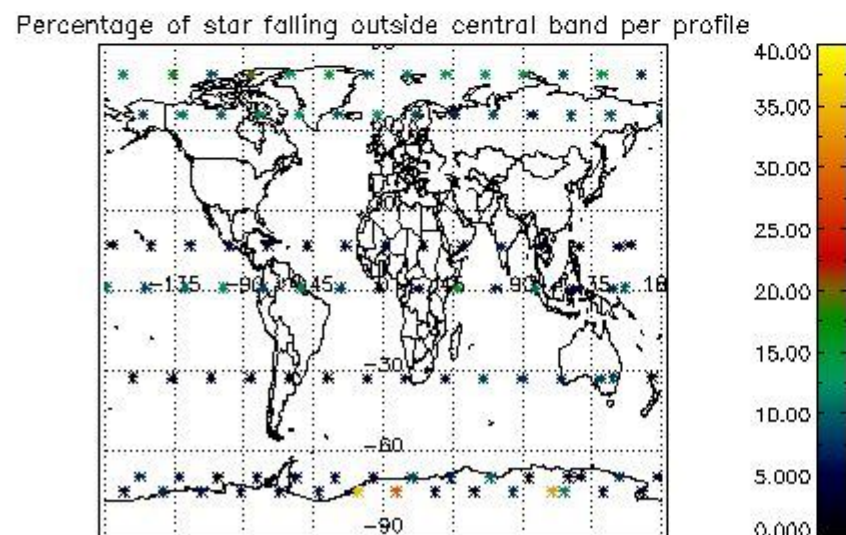
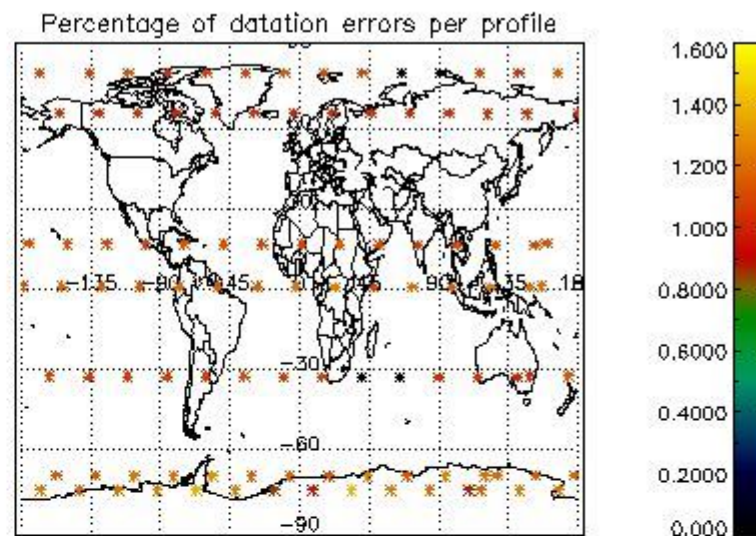
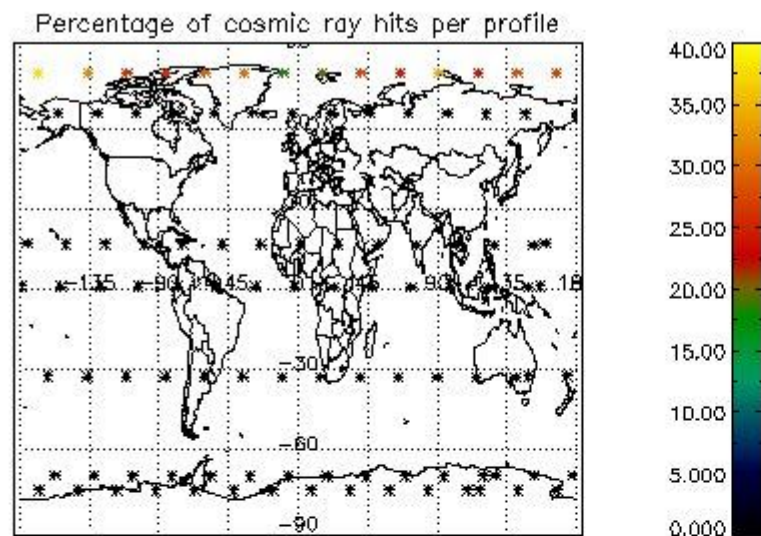


4.2 Plot quality information per product coming from level 1b processing (world map)

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

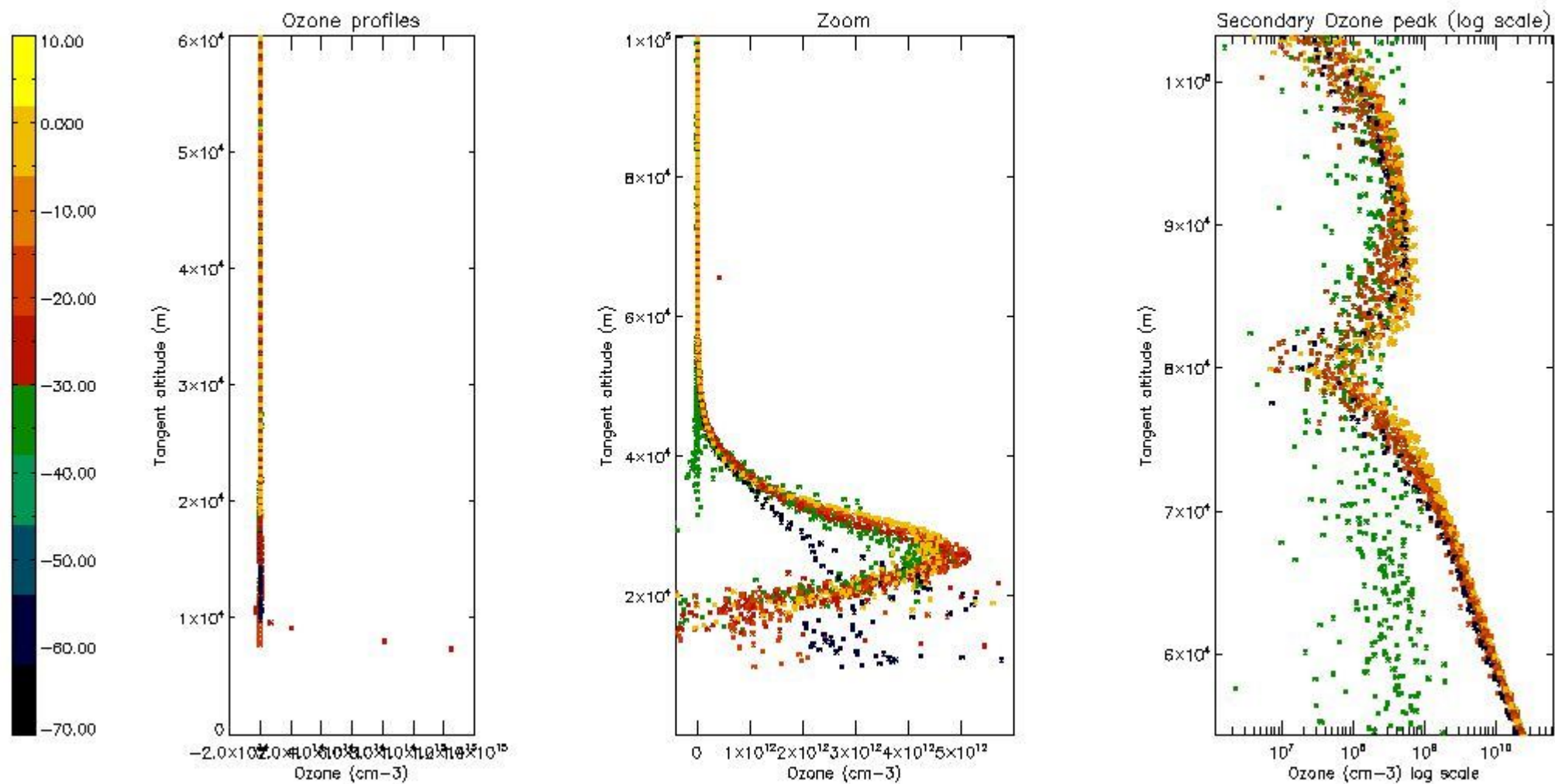
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	16

STD < 10	14
STD < 5	11

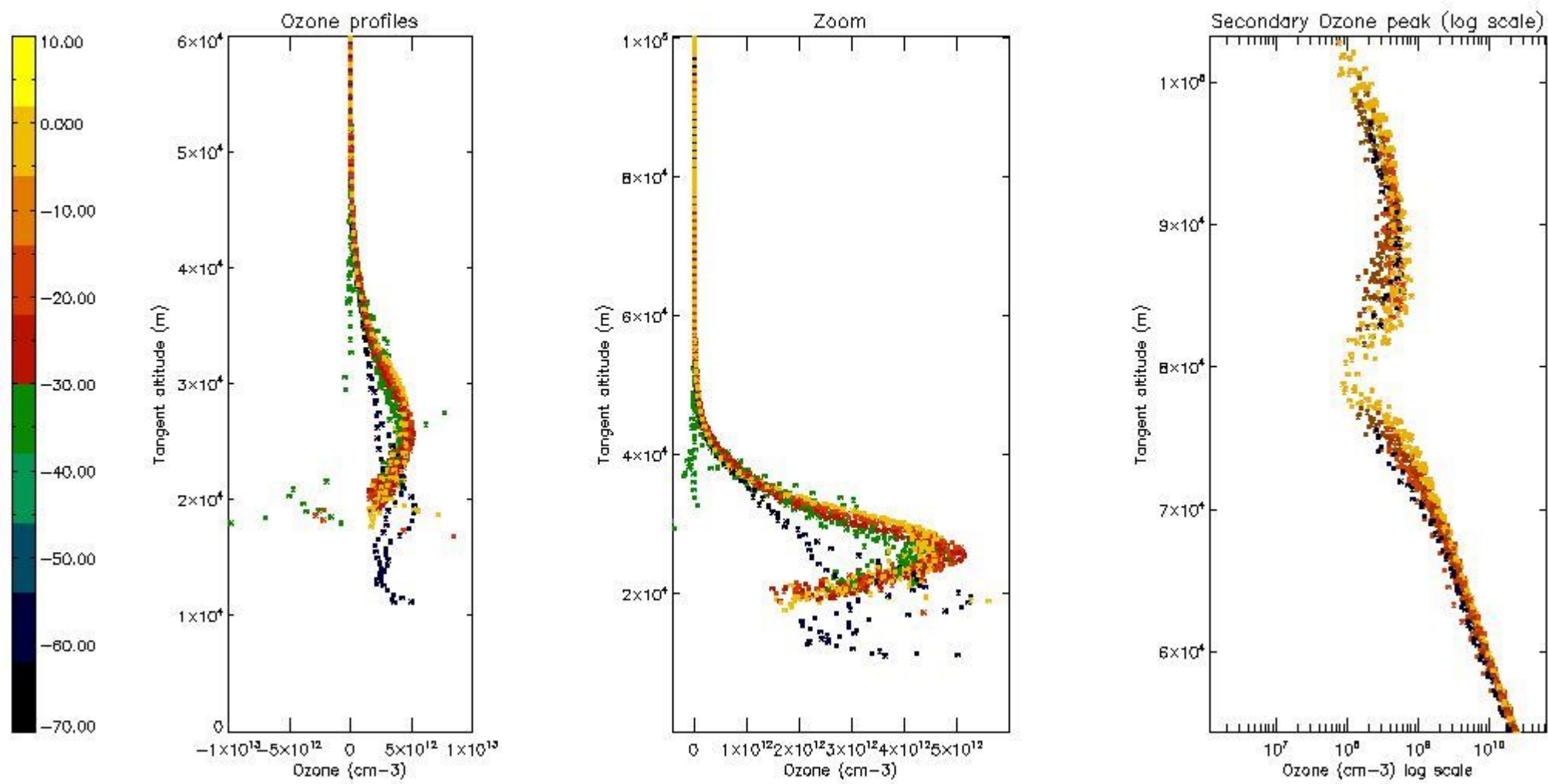
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



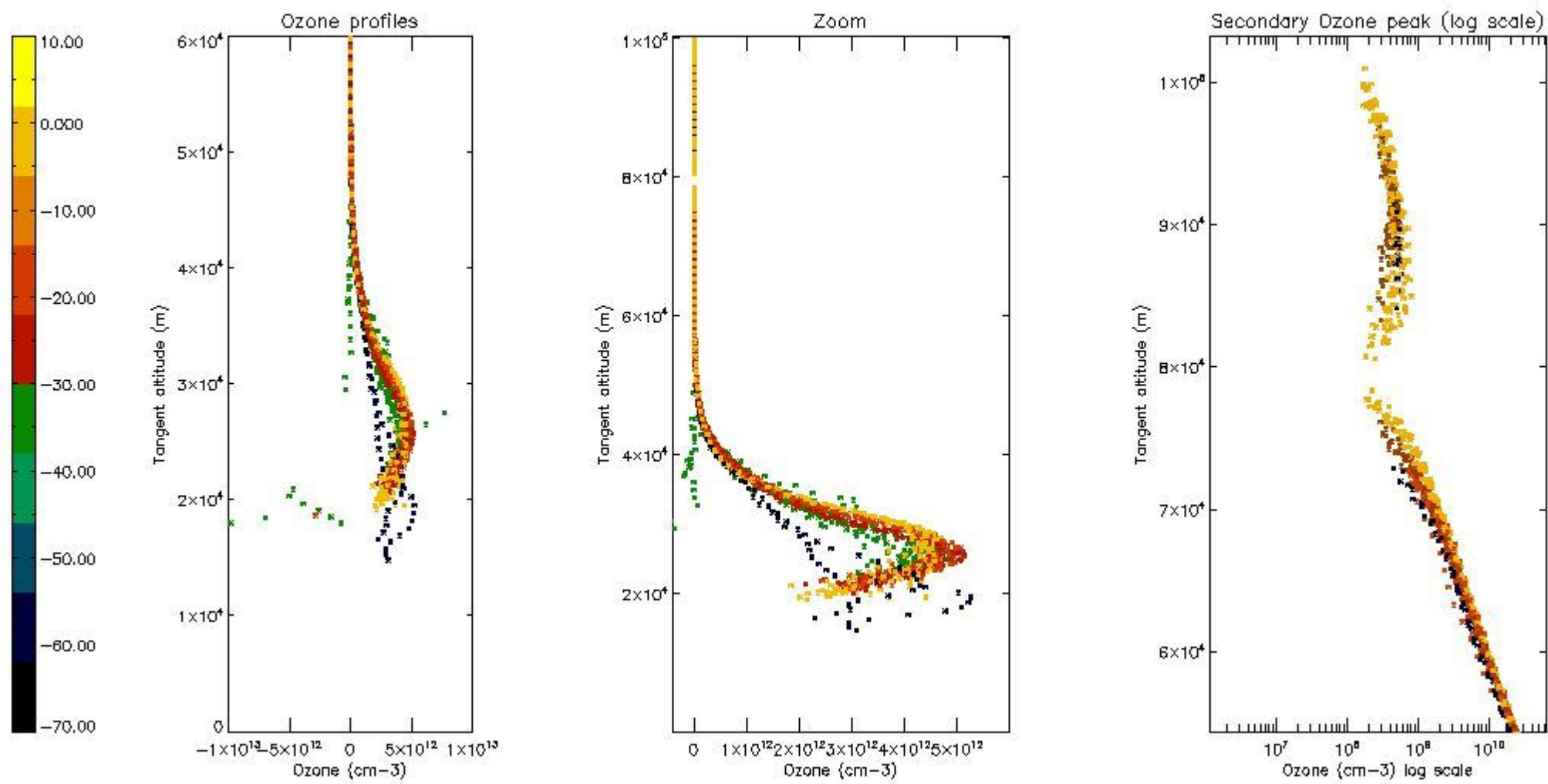
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



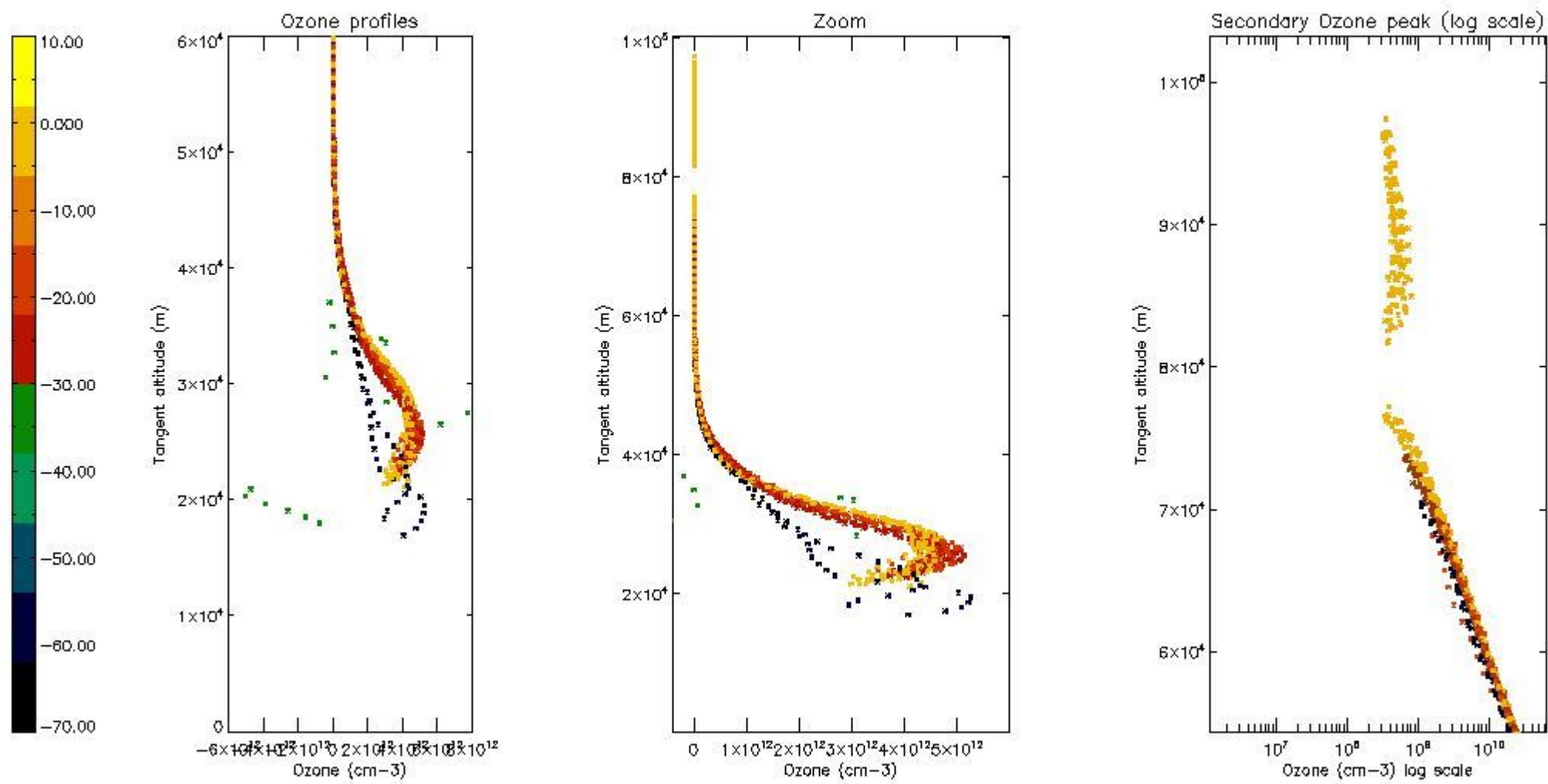
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



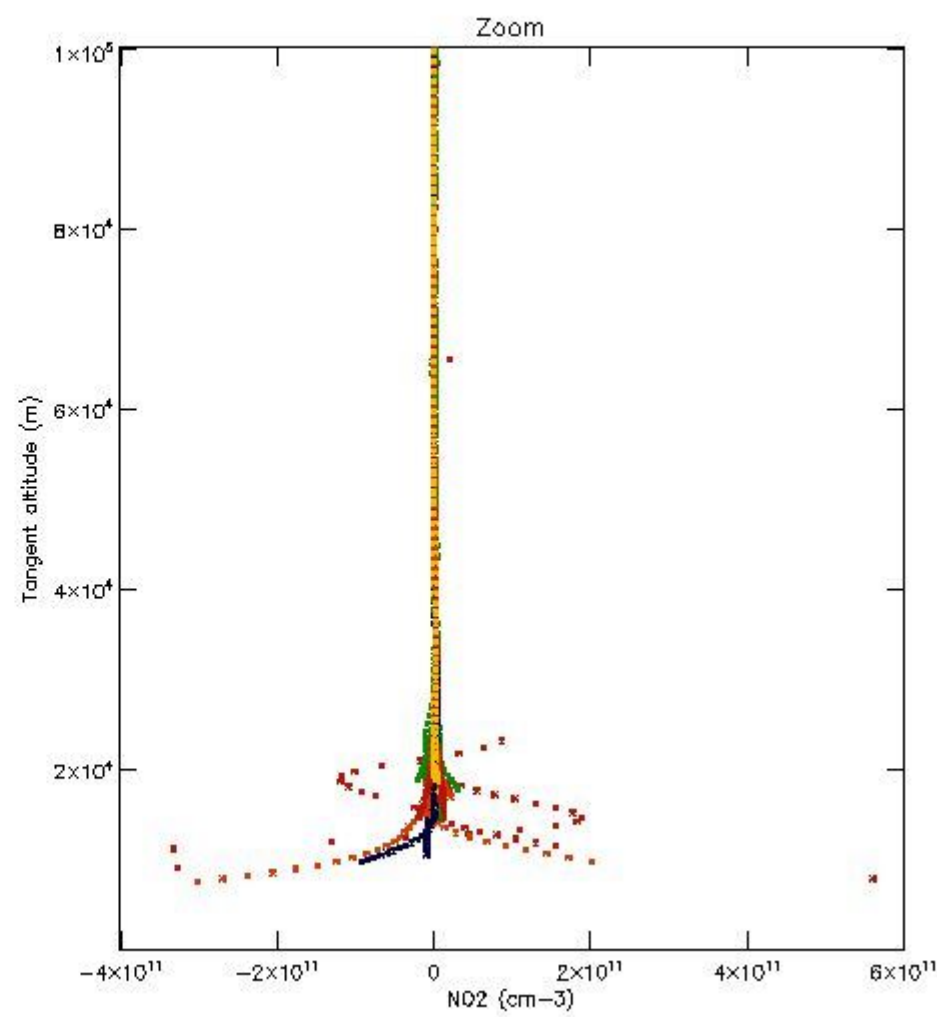
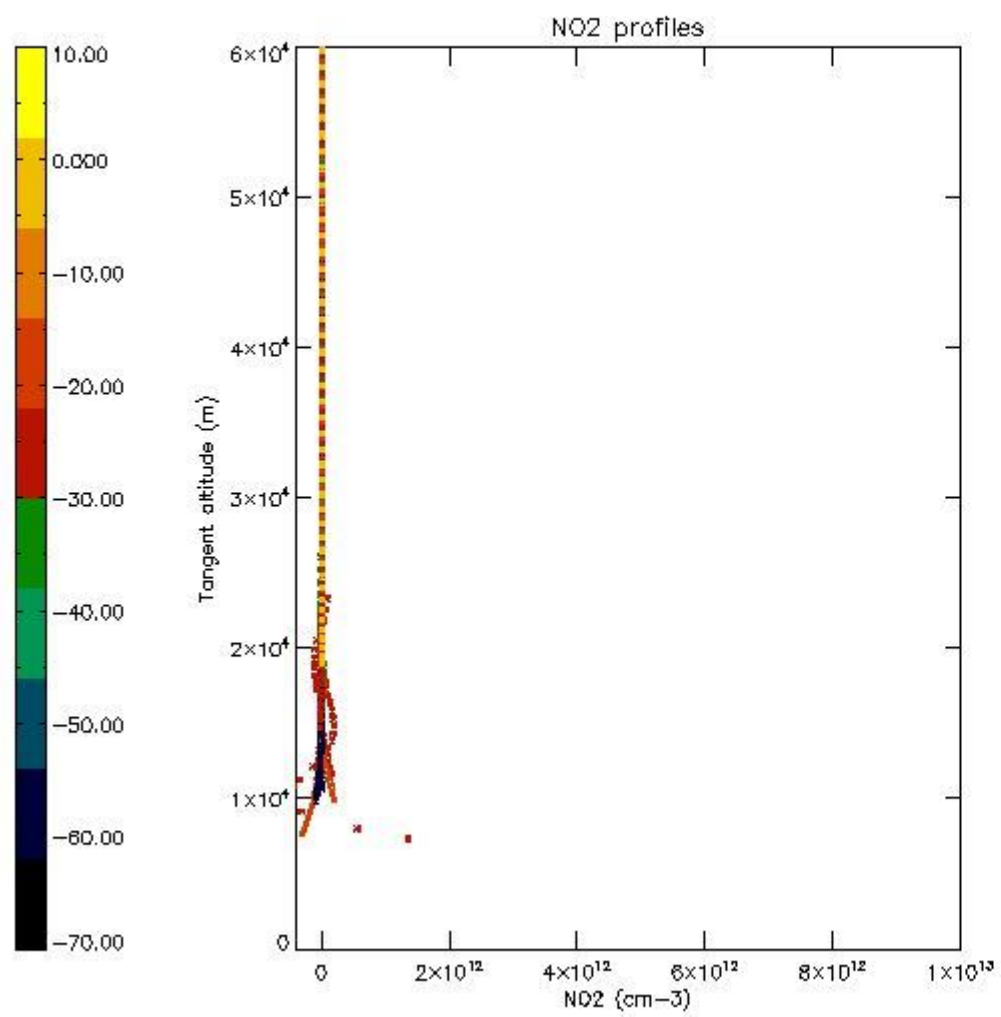
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



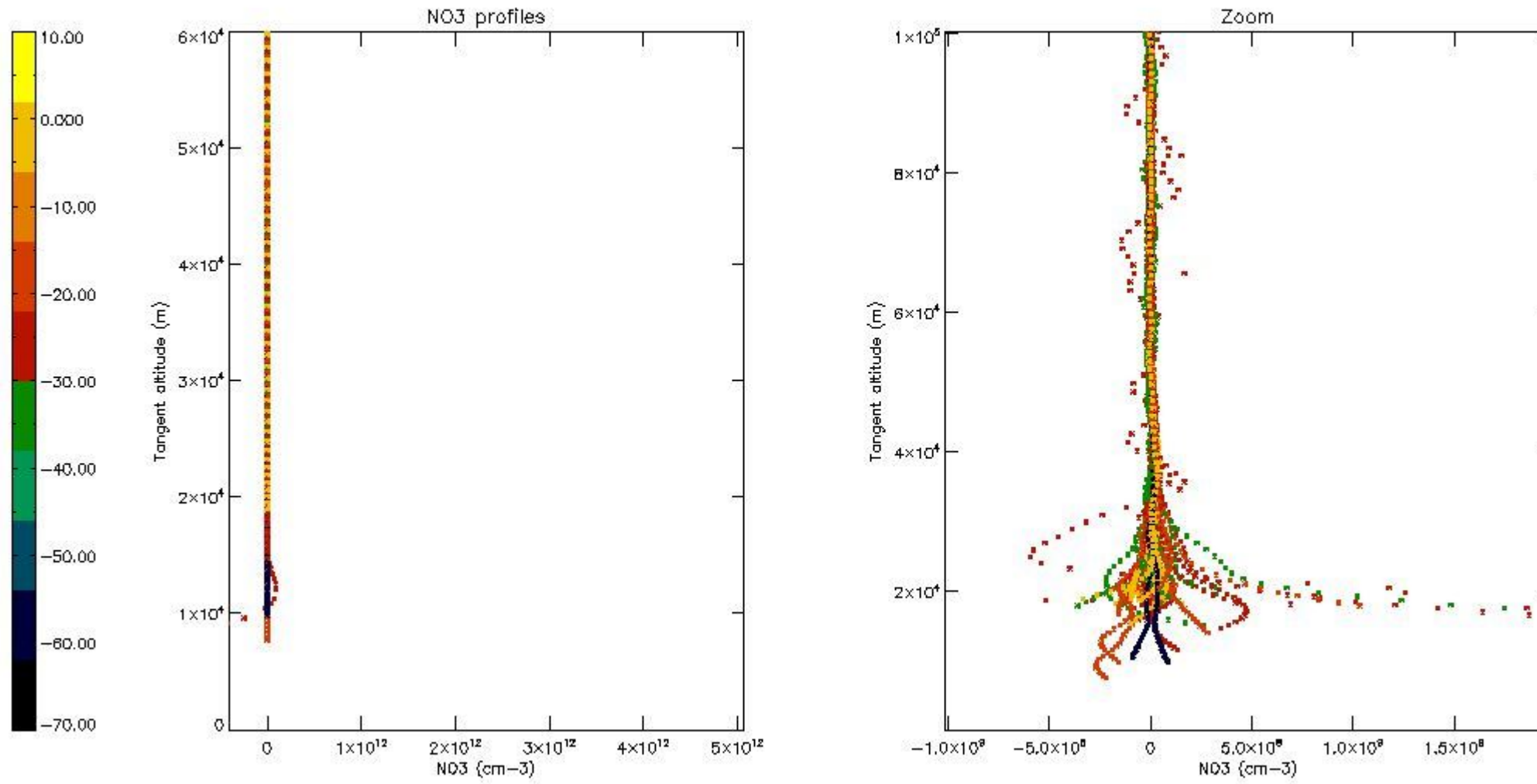
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

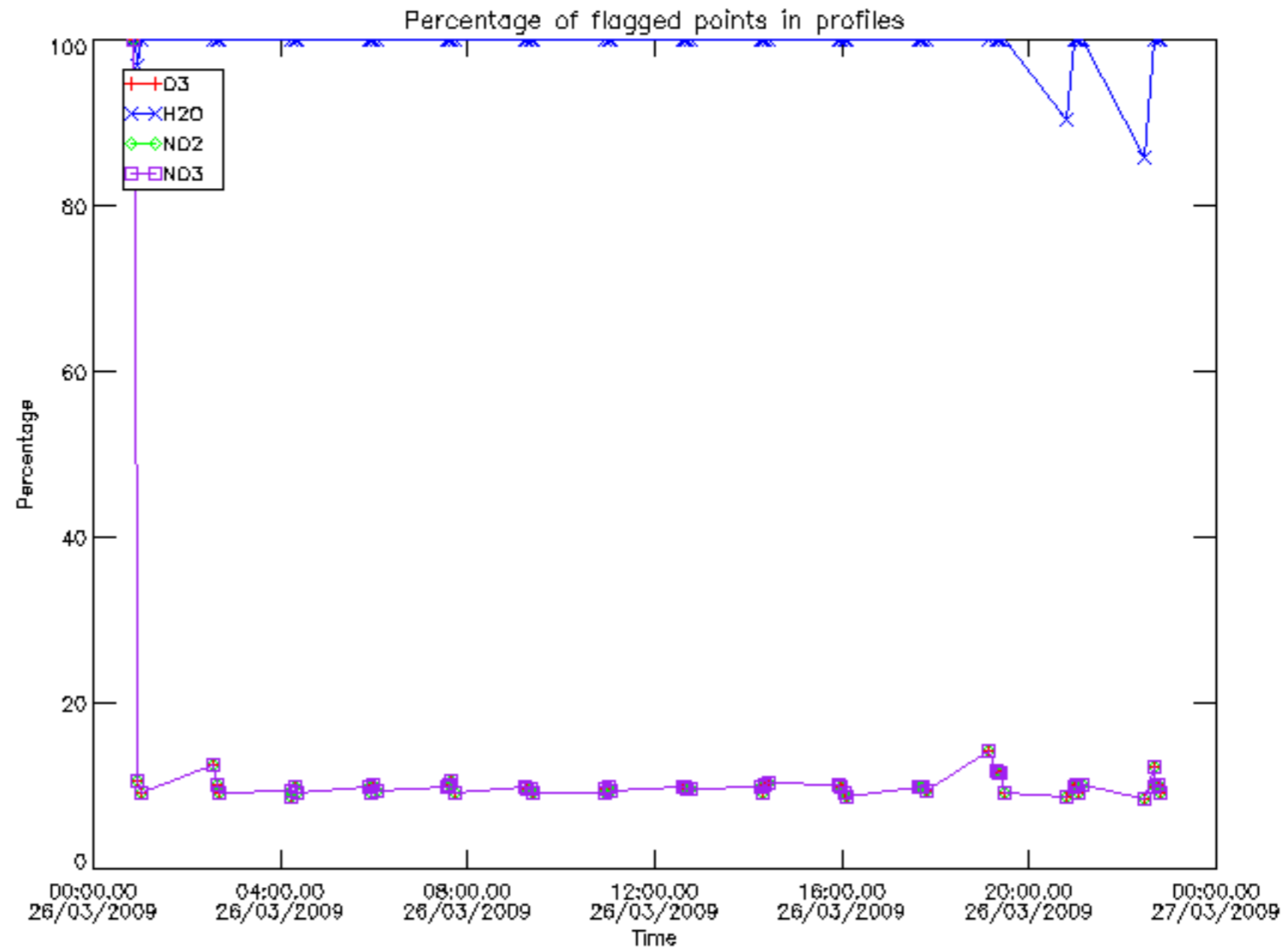
The colorbar represents the latitude.



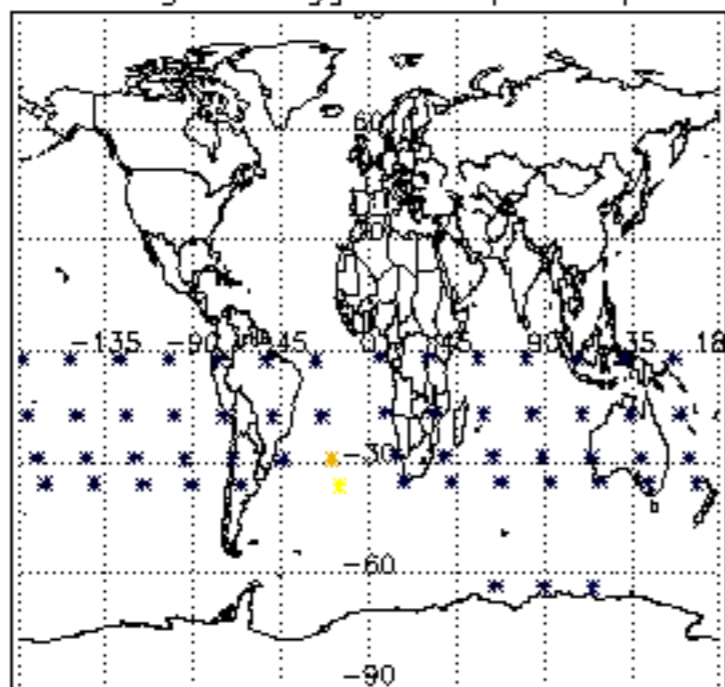
6. Auxiliary Data Files used for the production reported in section 2

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.

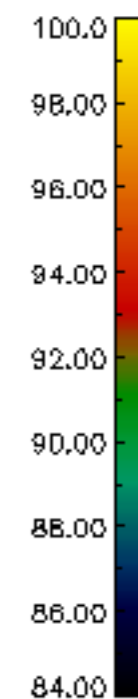
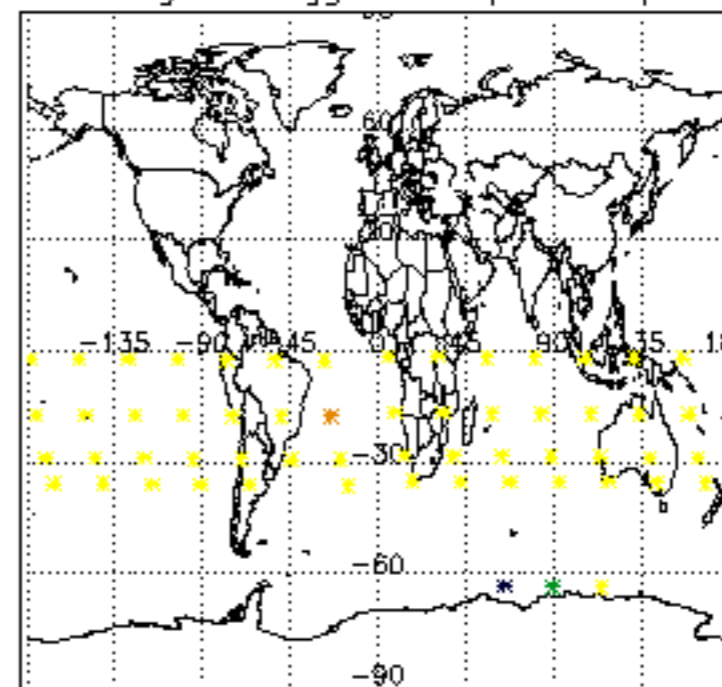
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-MAR-2009 00:02:40
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-MAR-2009 00:02:40
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-MAR-2009 00:02:40



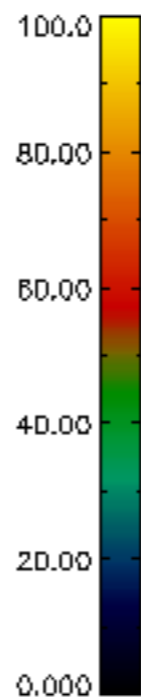
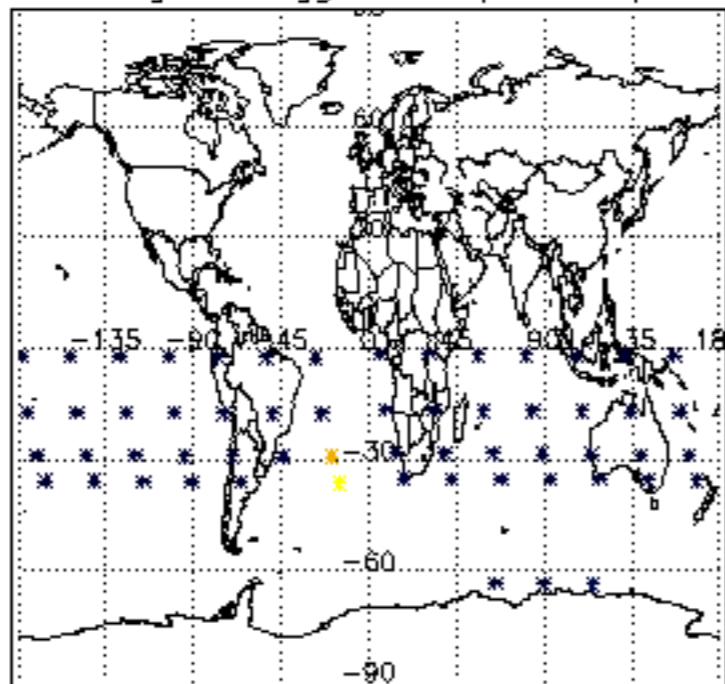
Percentage of flagged data per D3 profile



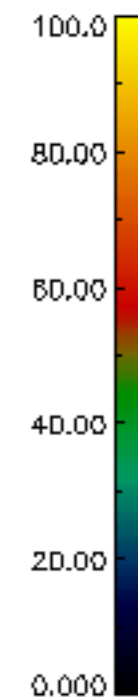
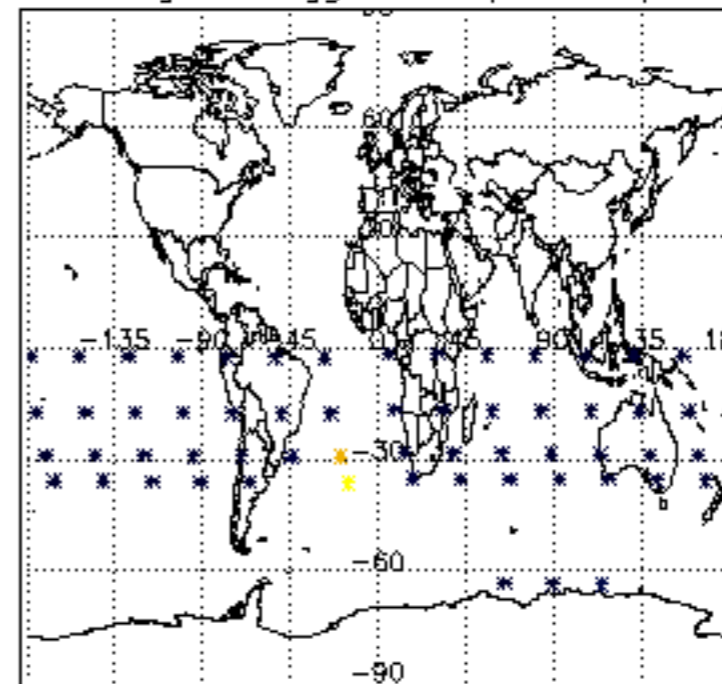
Percentage of flagged data per H2O profile

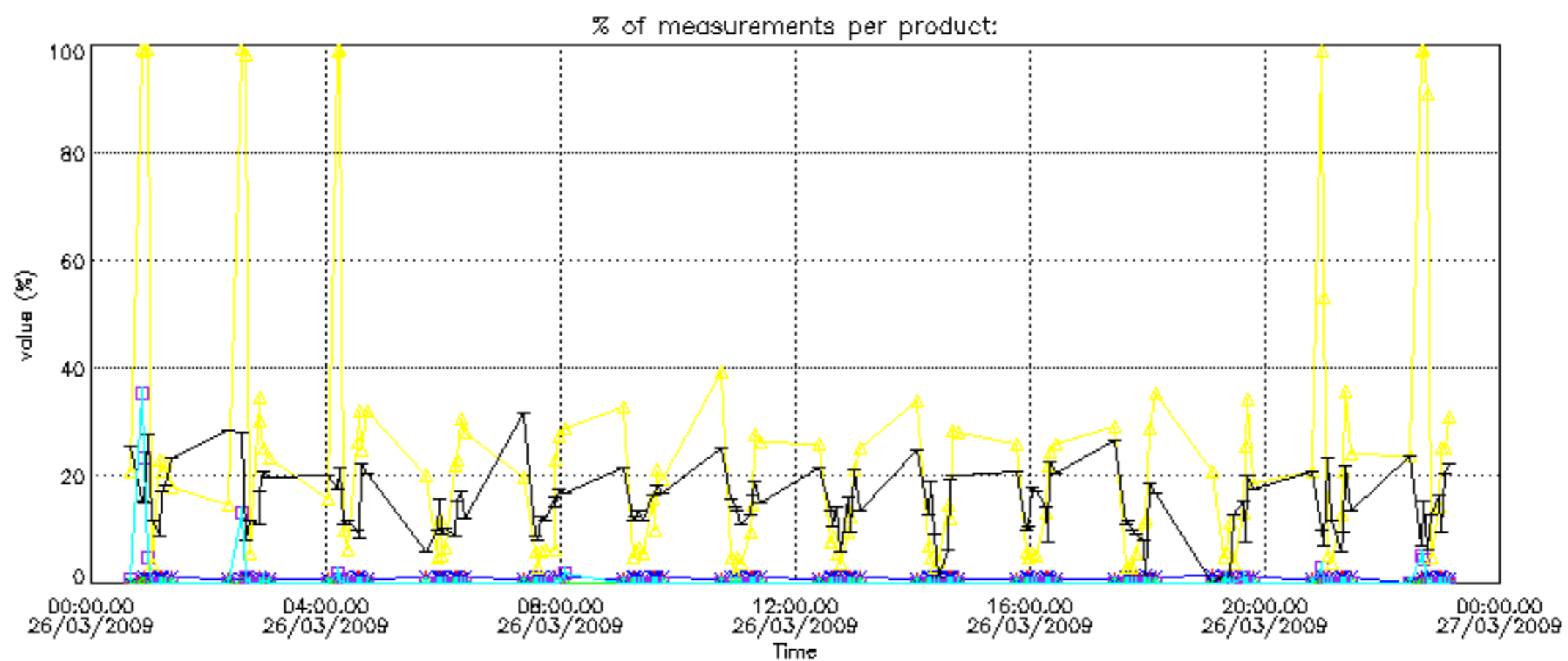


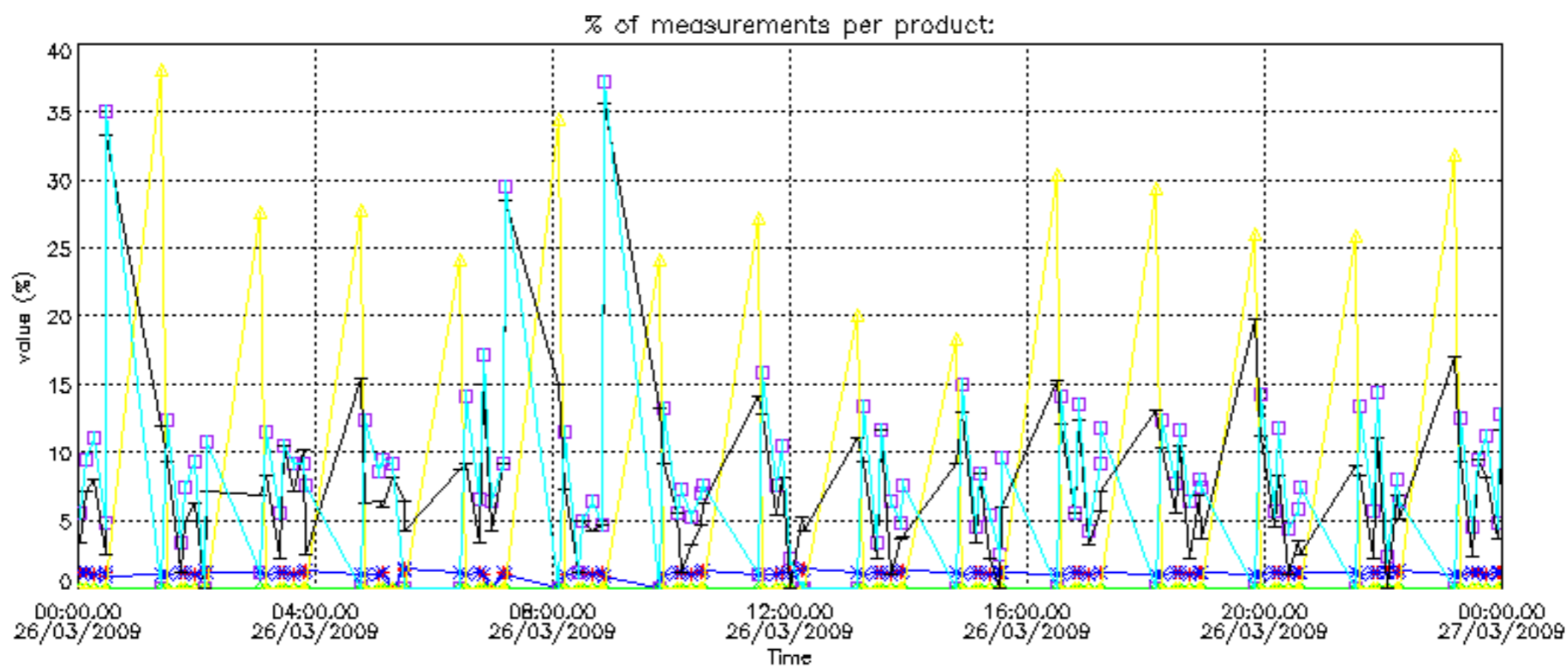
Percentage of flagged data per NO2 profile



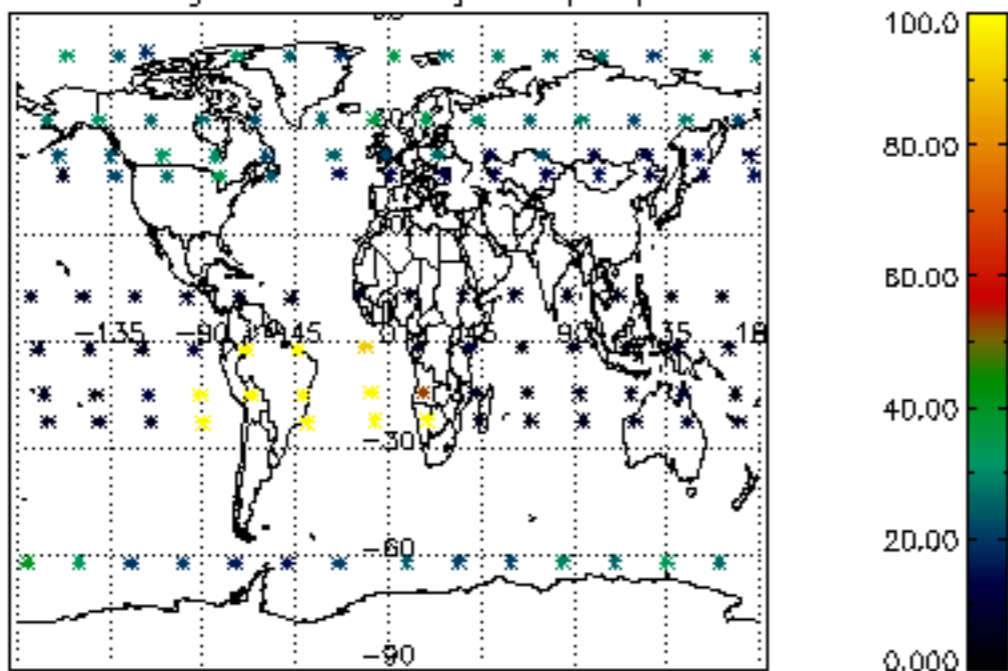
Percentage of flagged data per NO3 profile



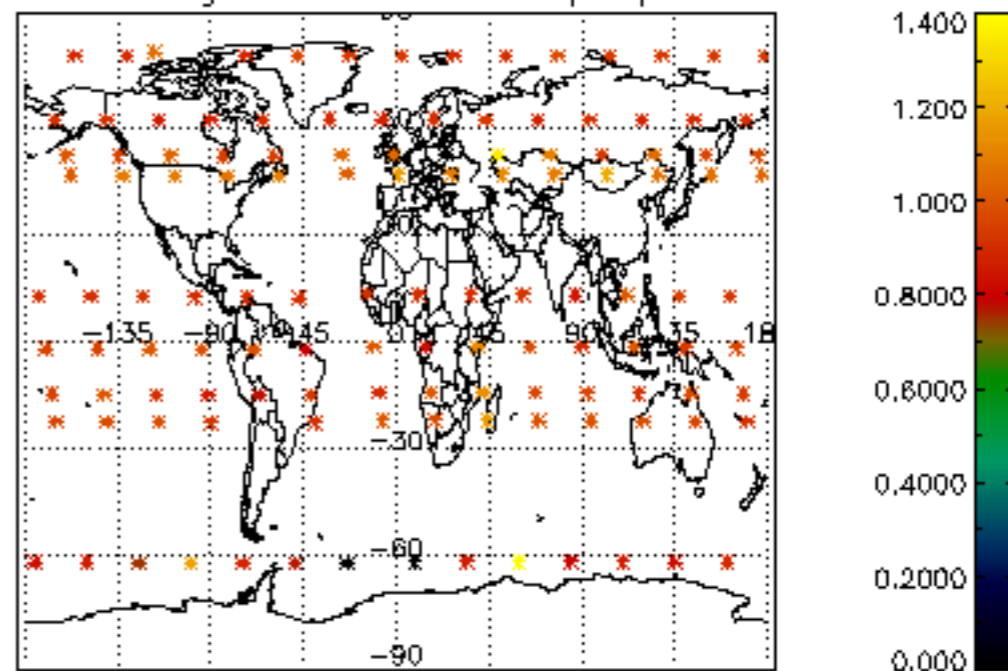




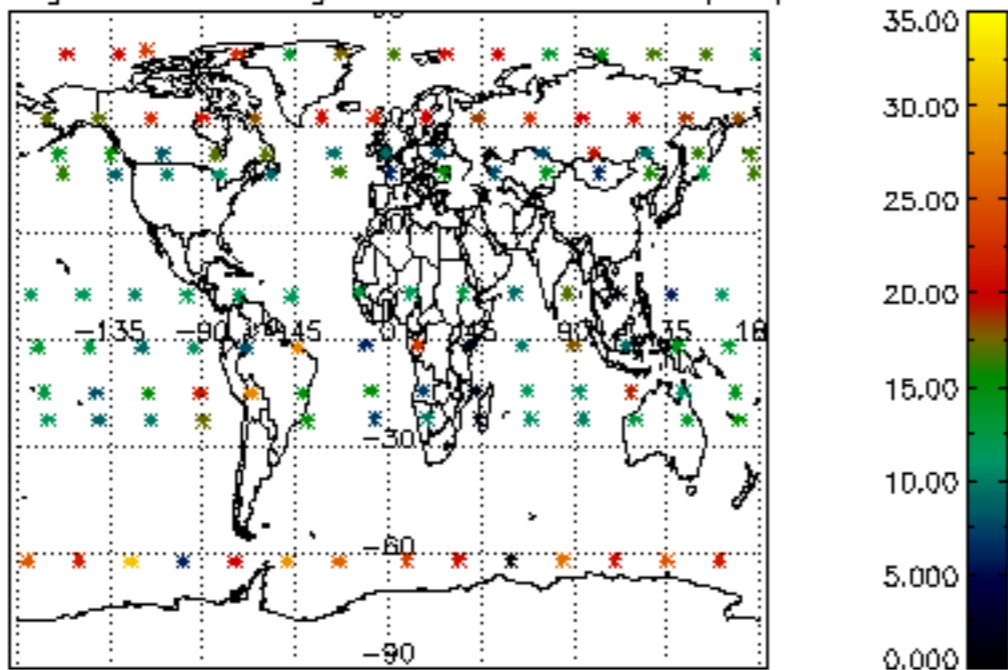
Percentage of cosmic ray hits per profile



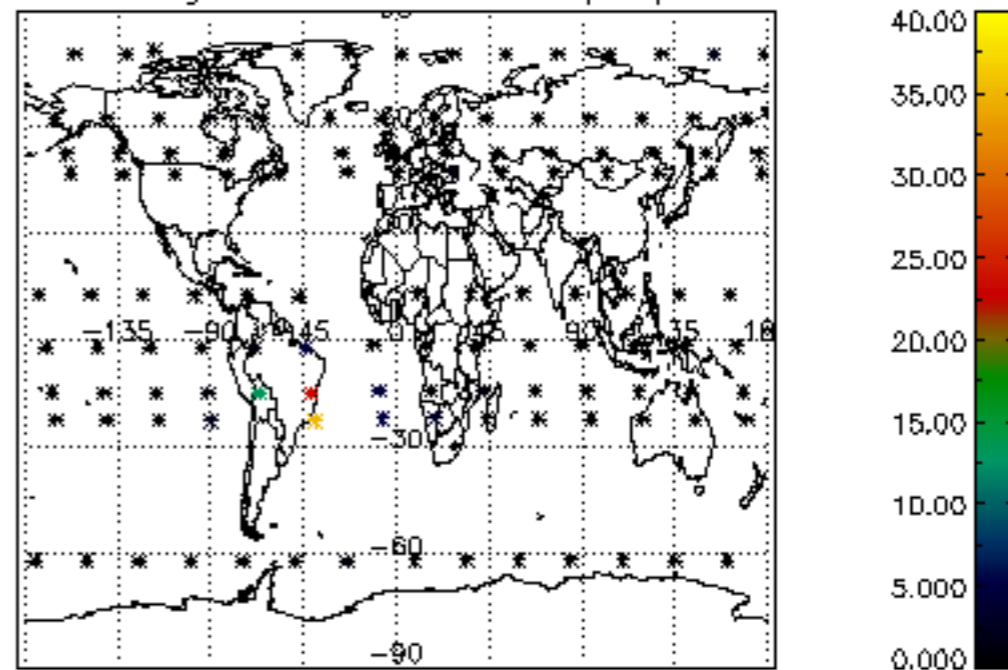
Percentage of datation errors per profile



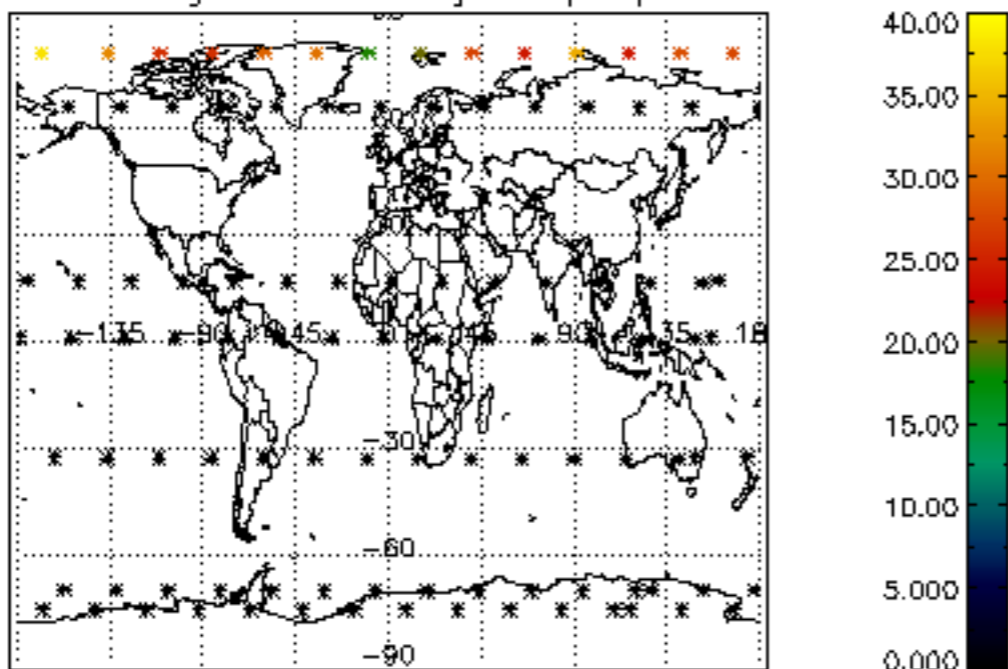
Percentage of star falling outside central band per profile



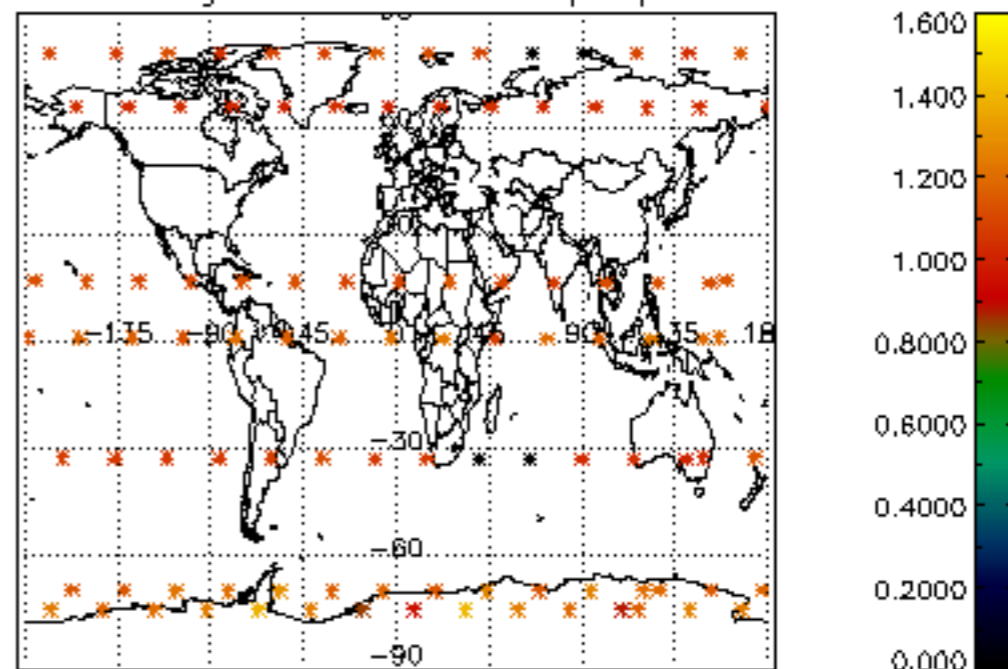
Percentage of saturation errors per profile



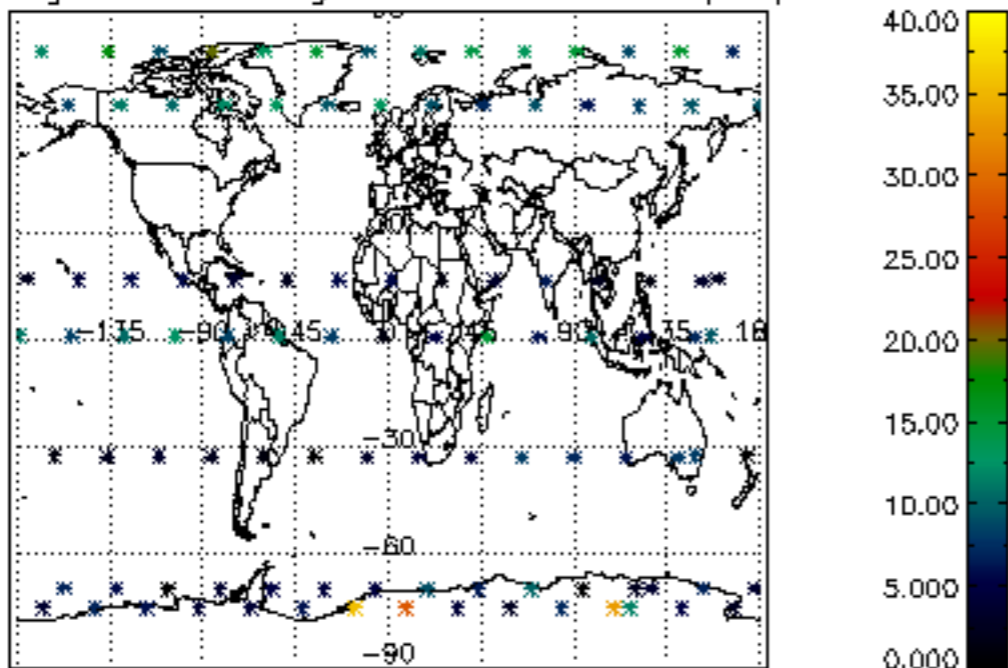
Percentage of cosmic ray hits per profile



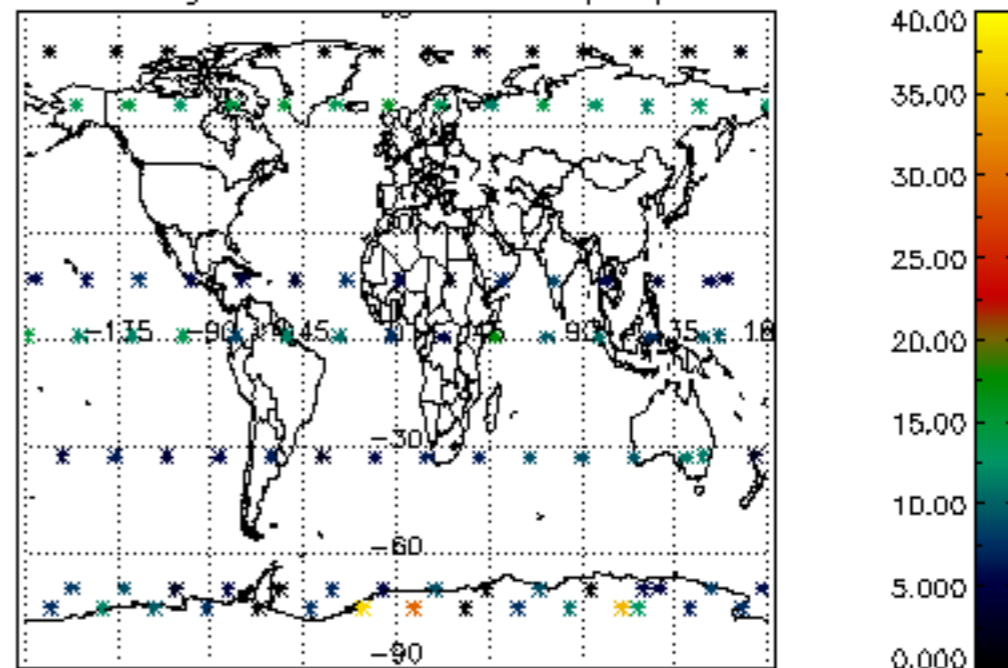
Percentage of datation errors per profile

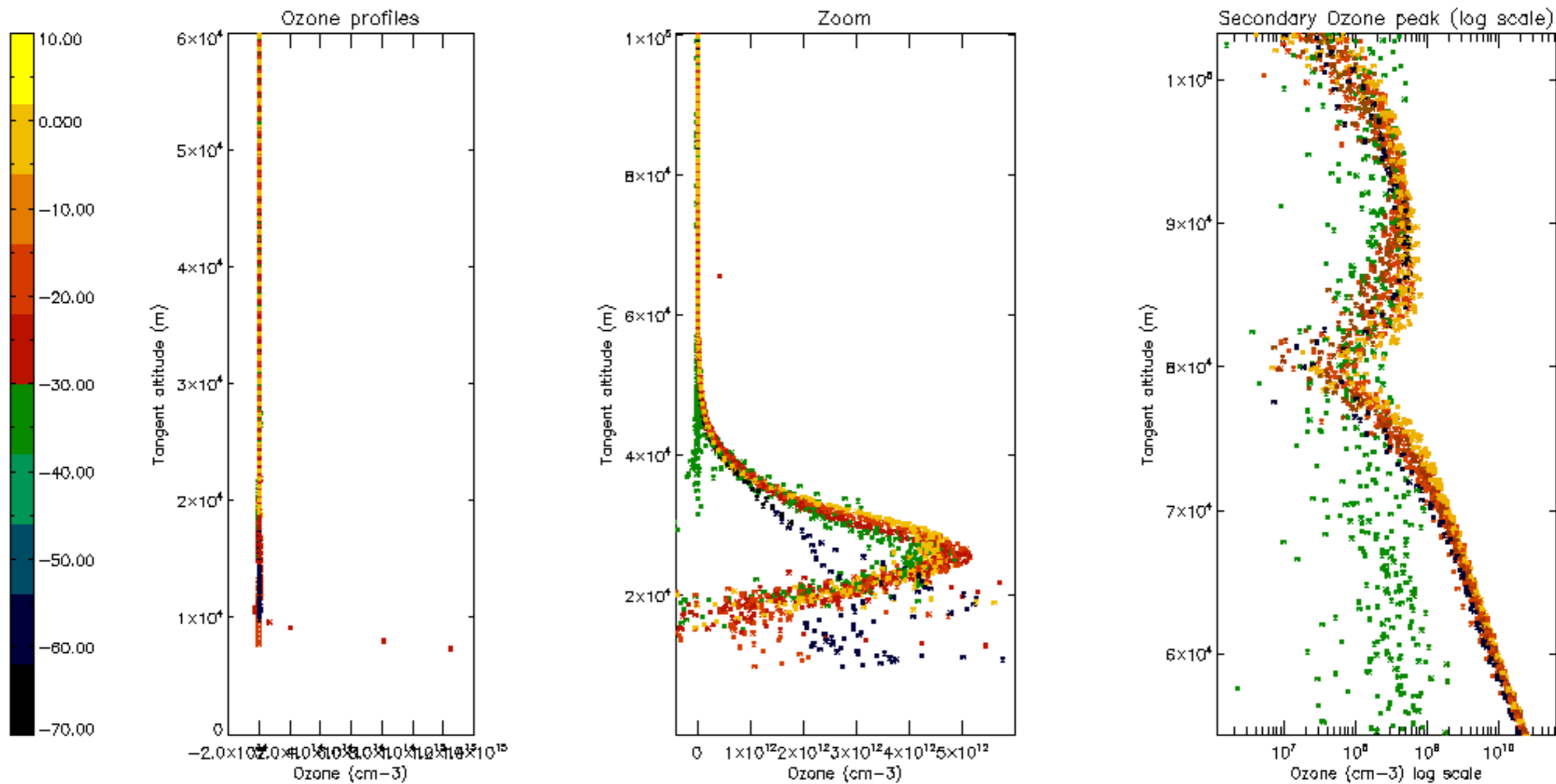


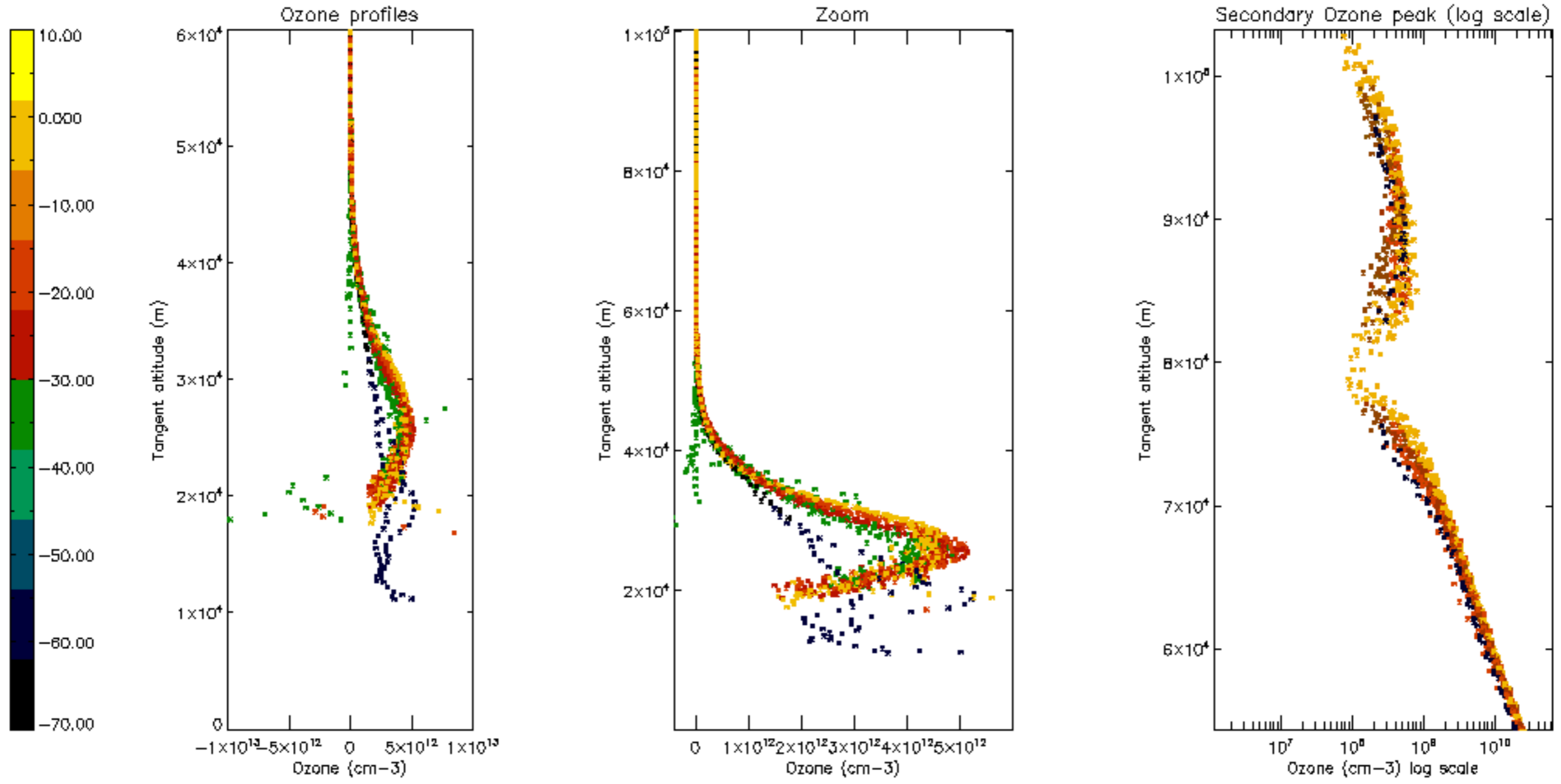
Percentage of star falling outside central band per profile

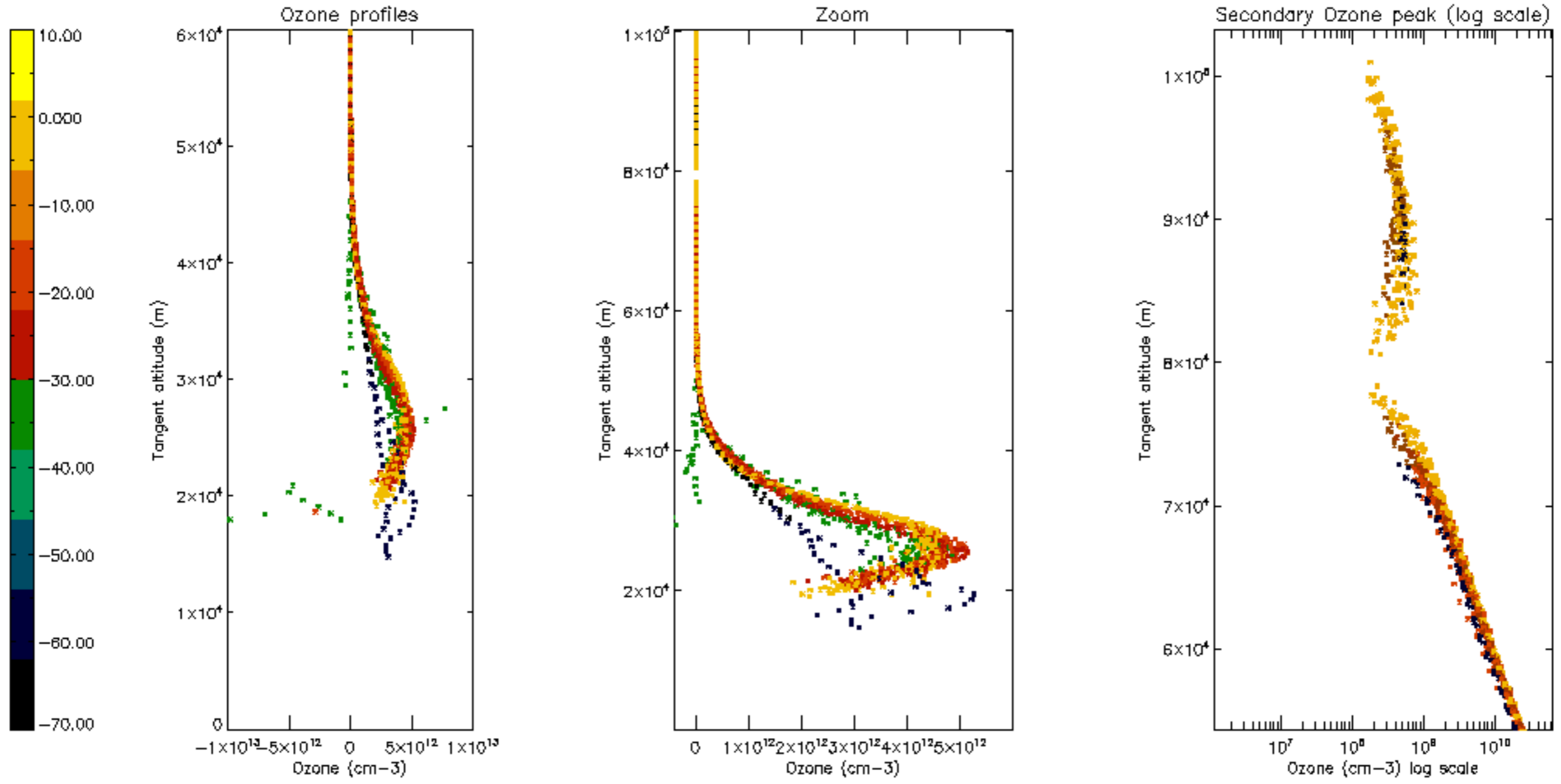


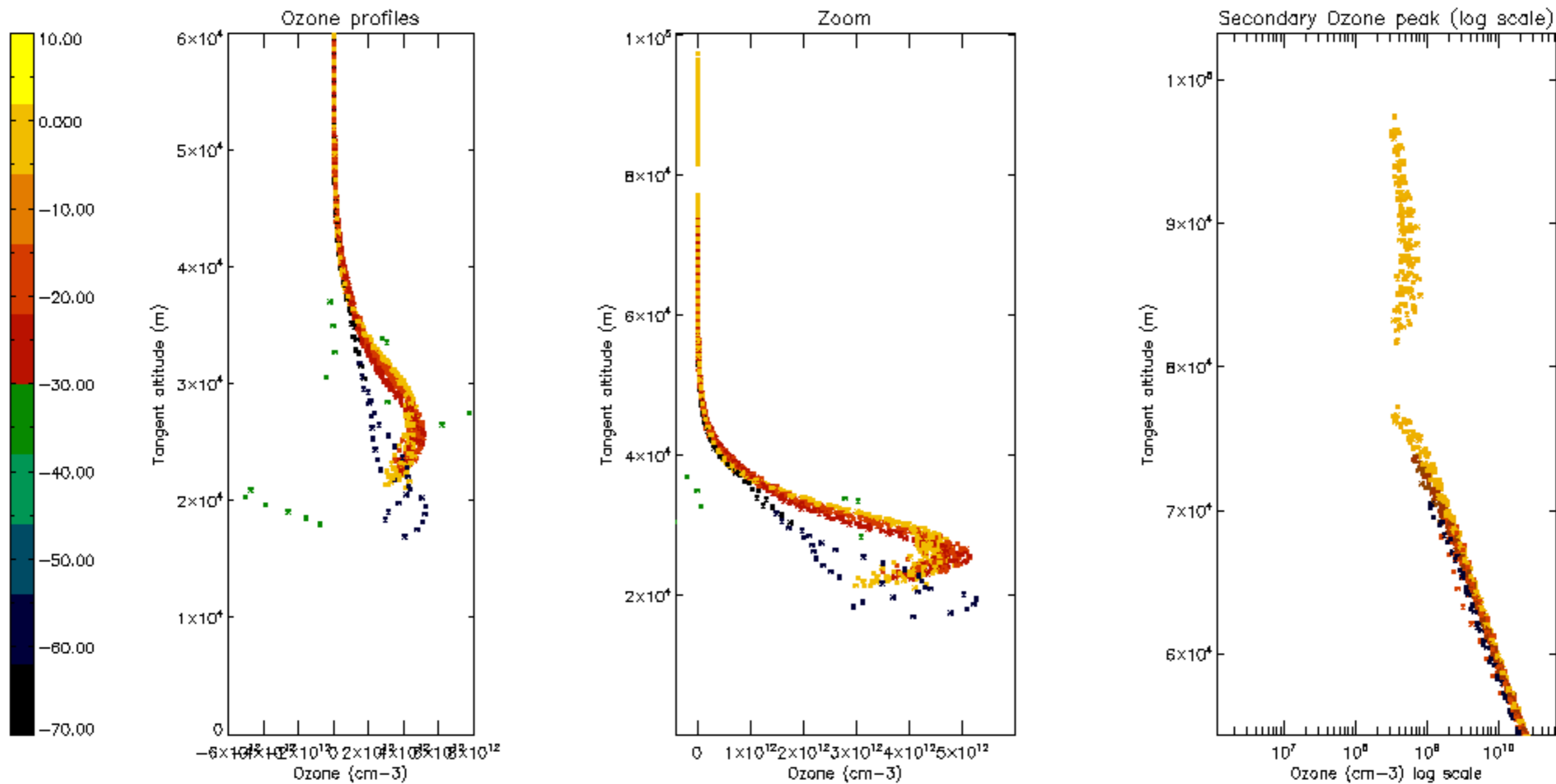
Percentage of saturation errors per profile

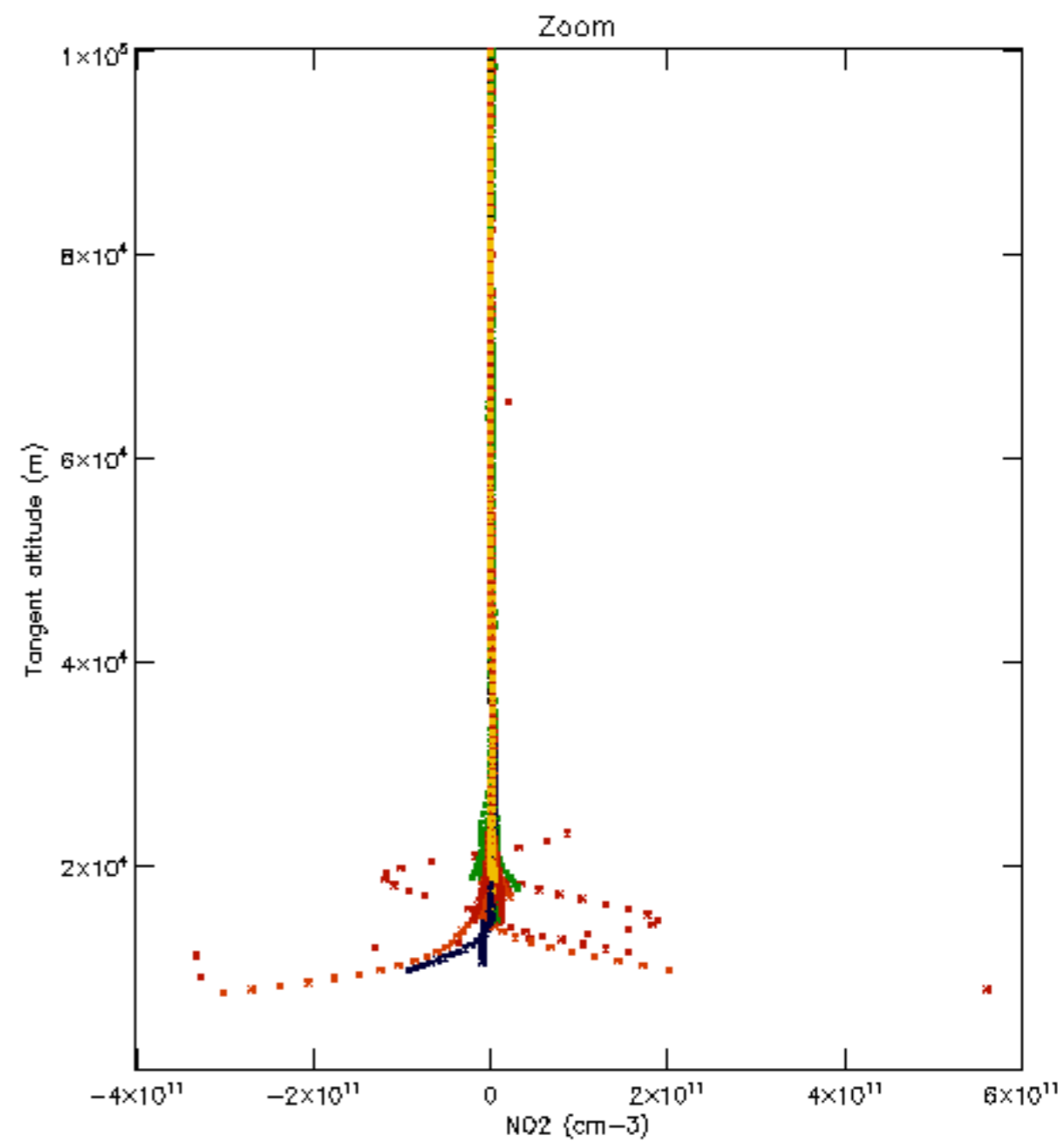
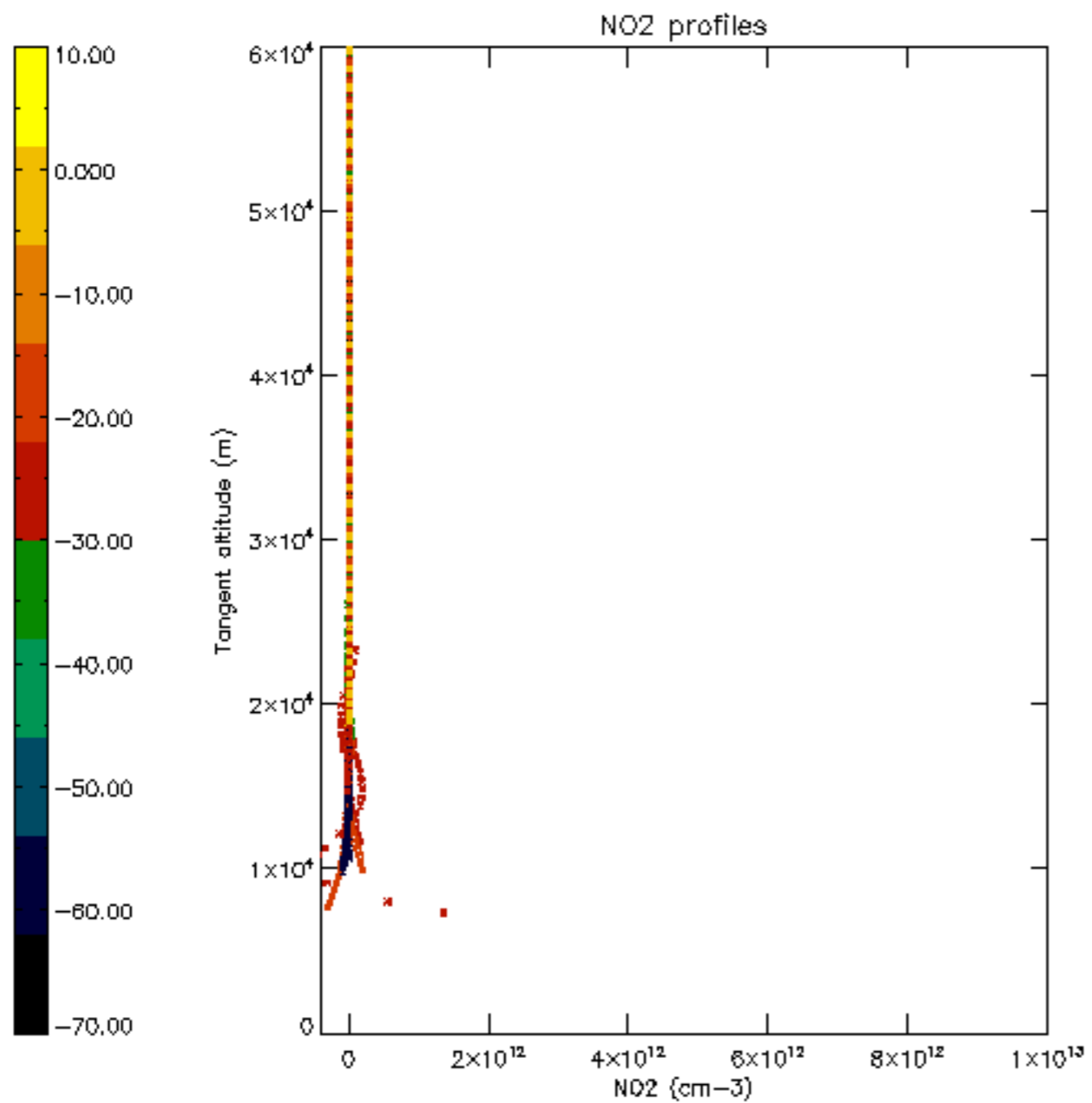


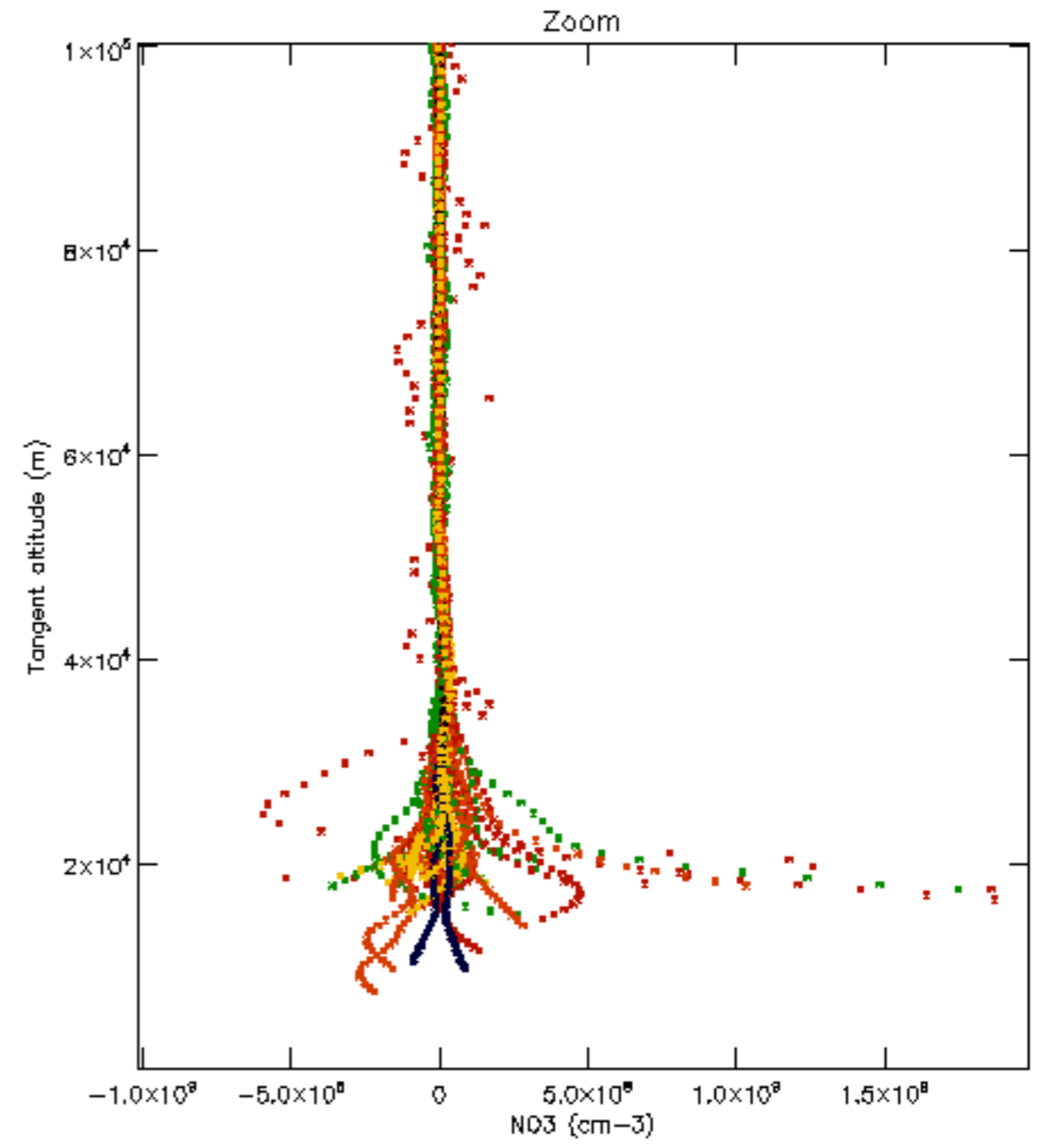
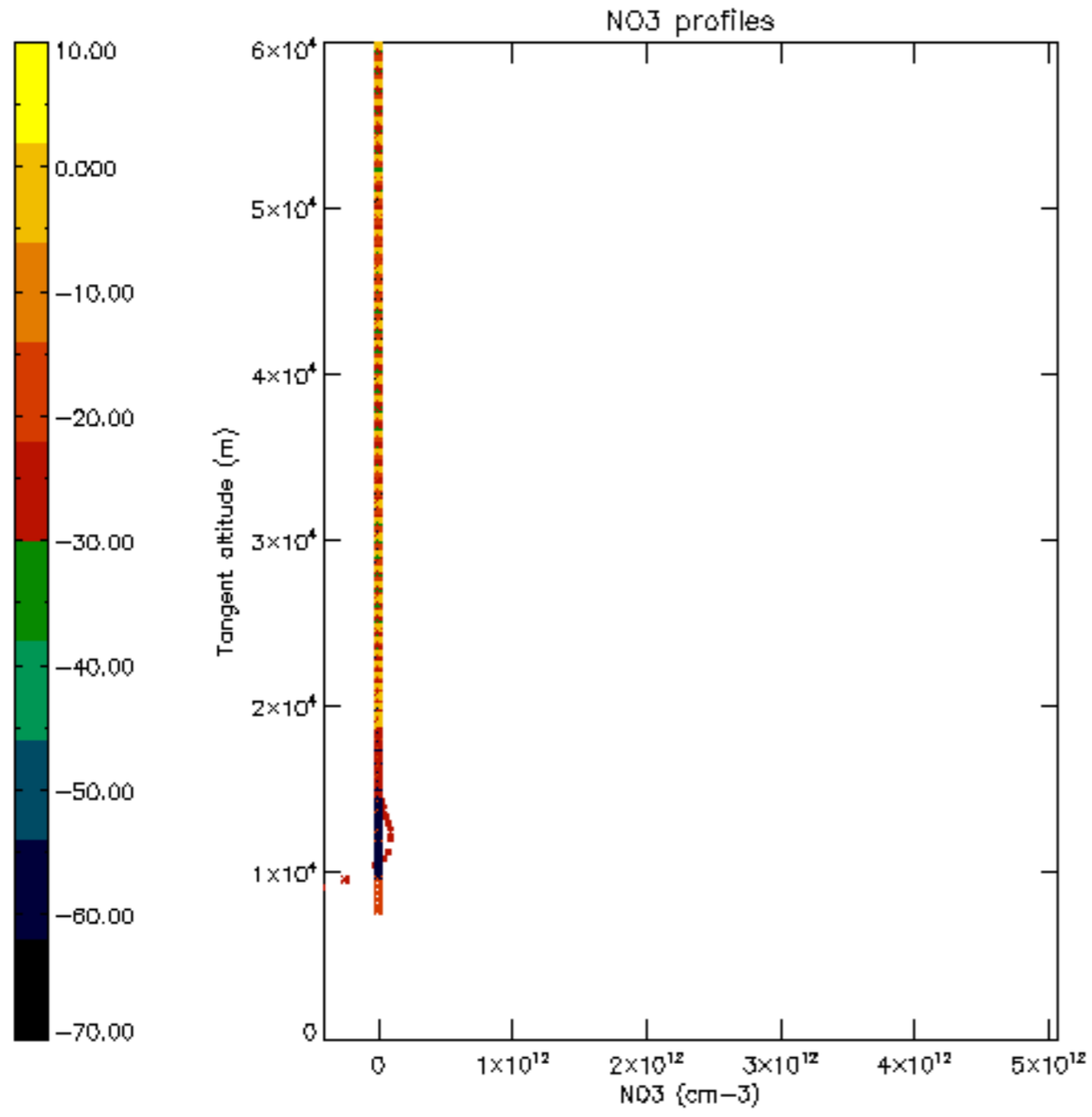


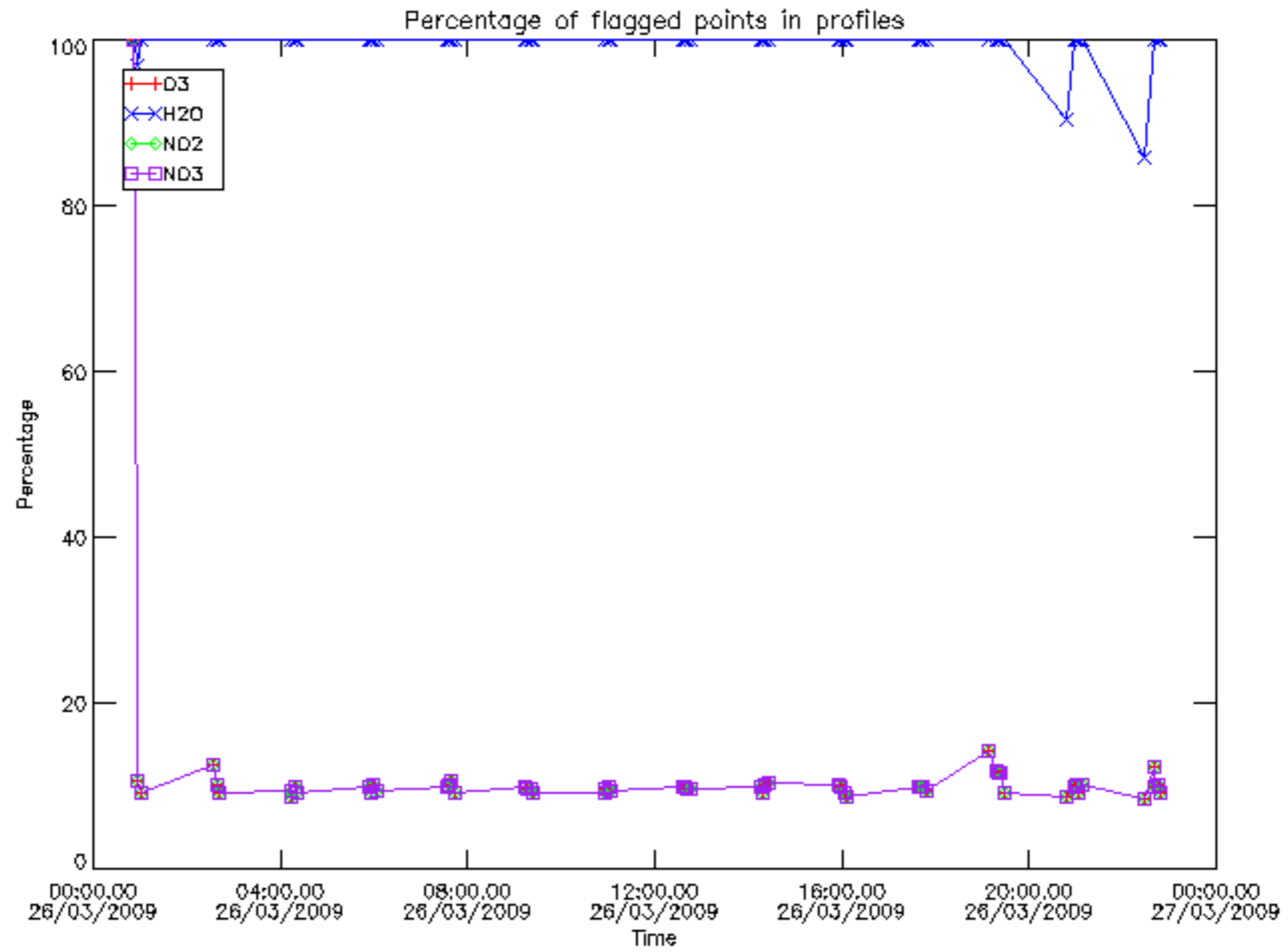




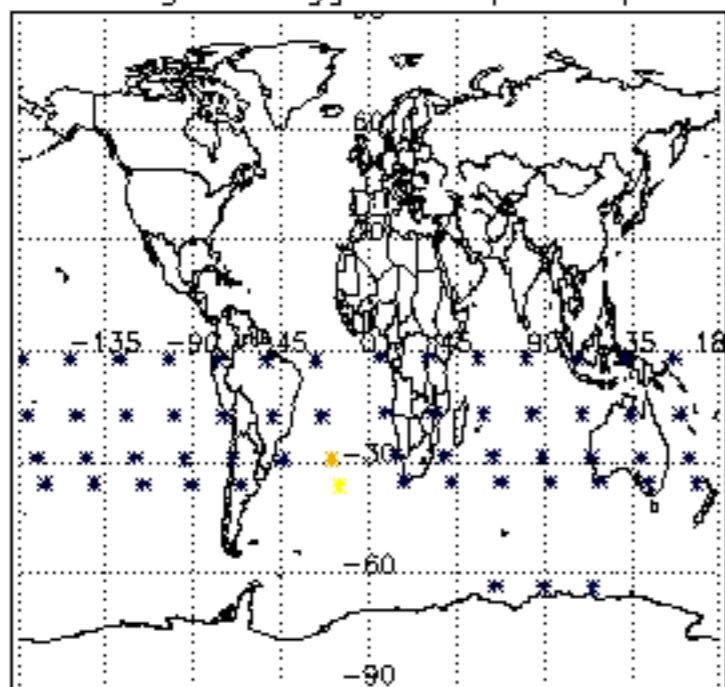




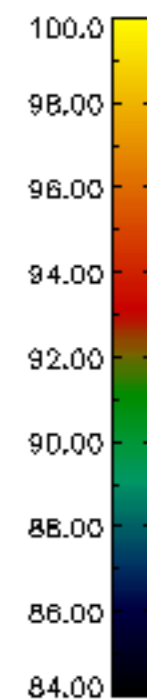
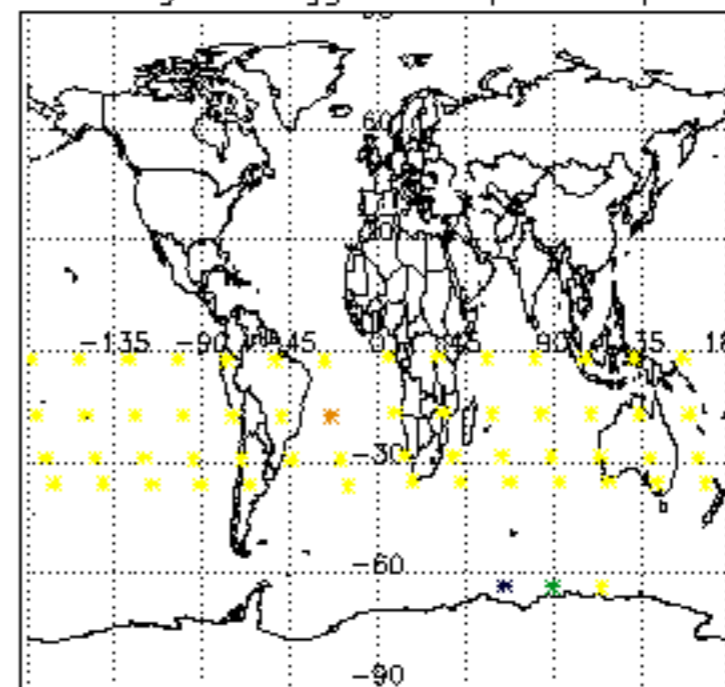




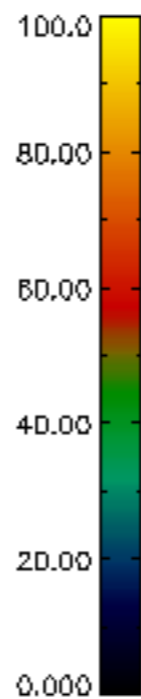
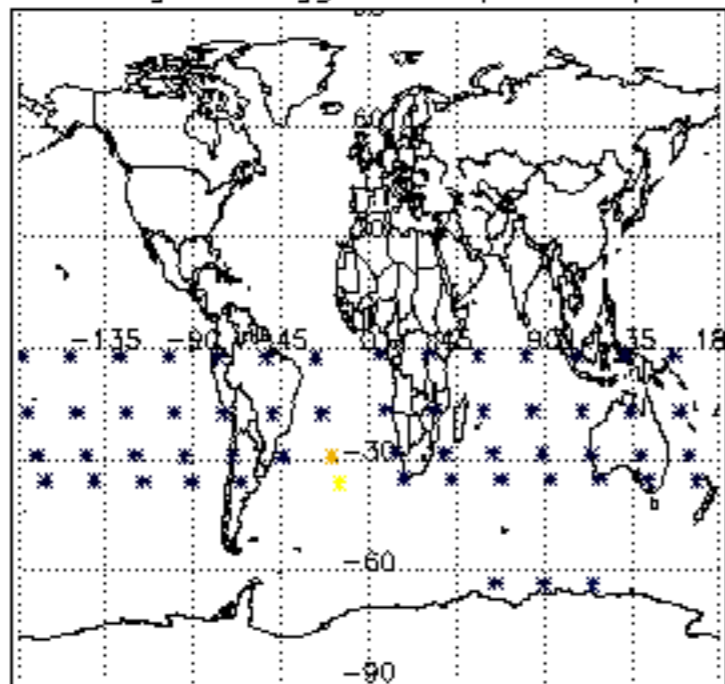
Percentage of flagged data per D3 profile



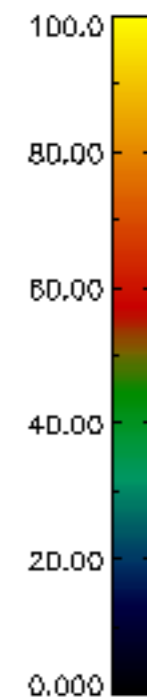
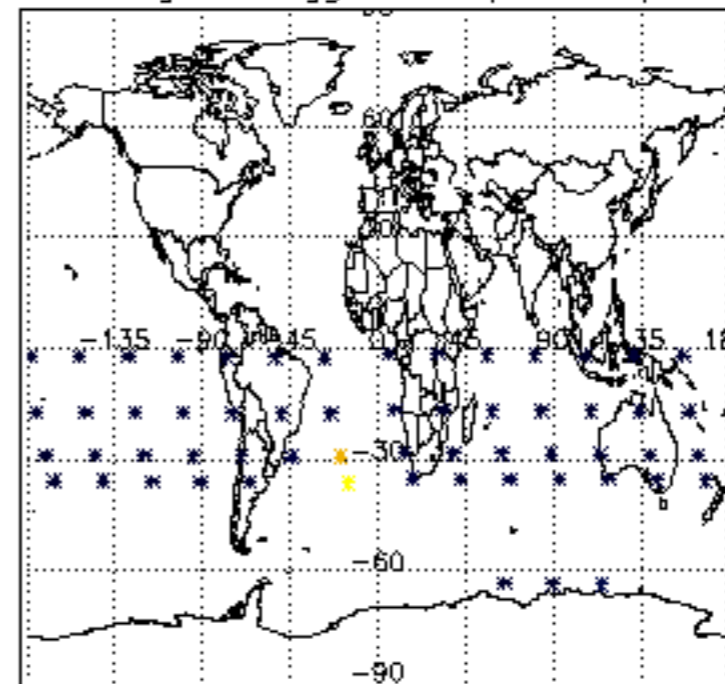
Percentage of flagged data per H2O profile

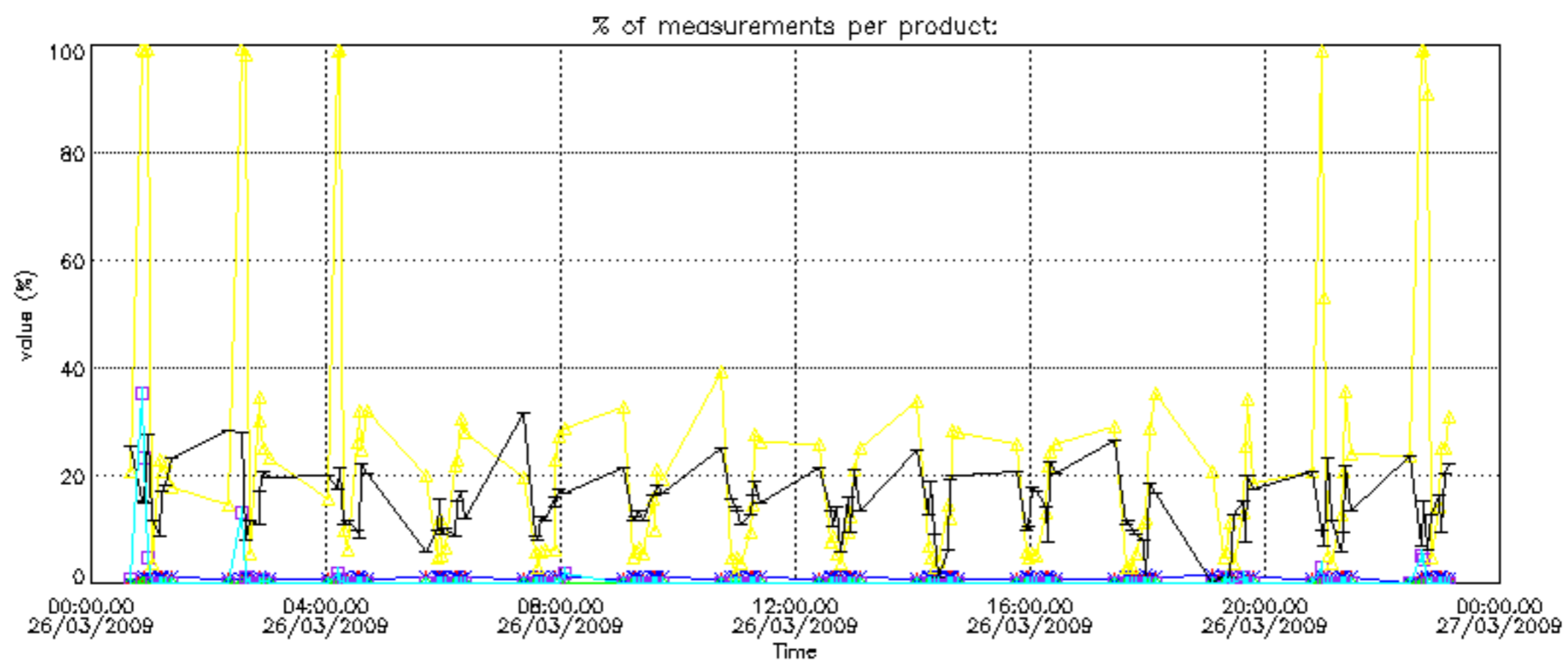
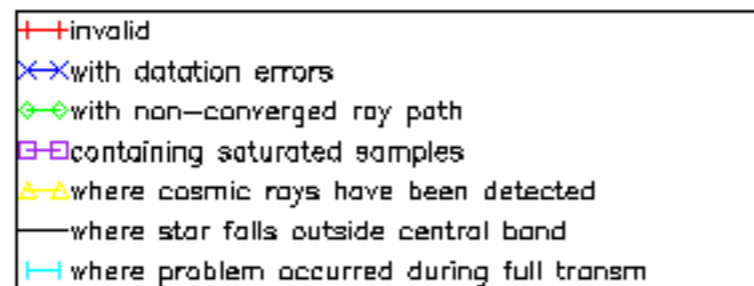


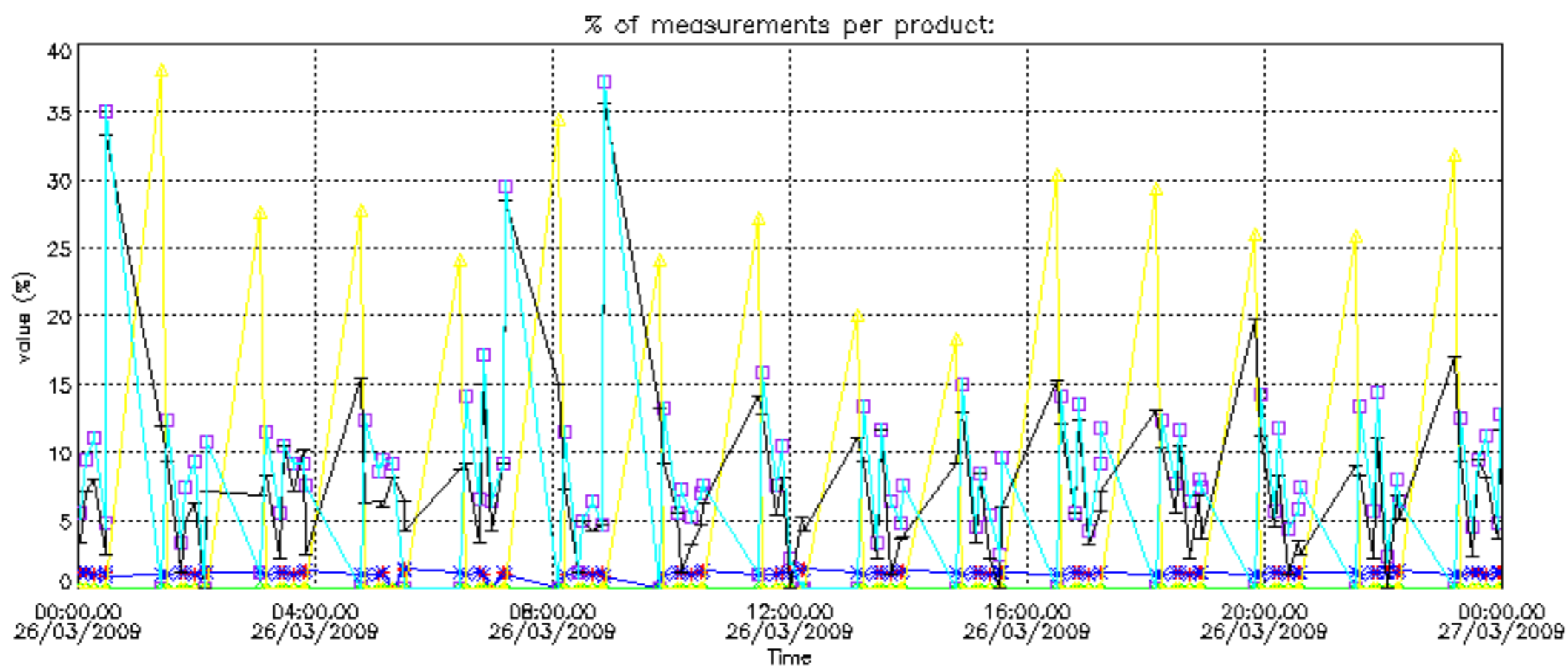
Percentage of flagged data per NO2 profile



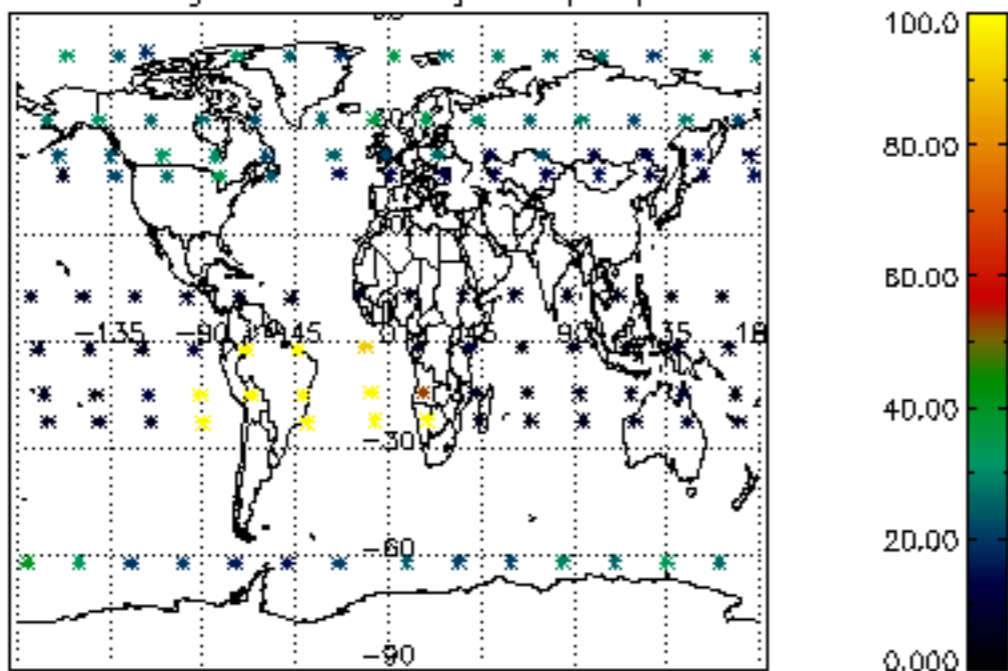
Percentage of flagged data per NO3 profile



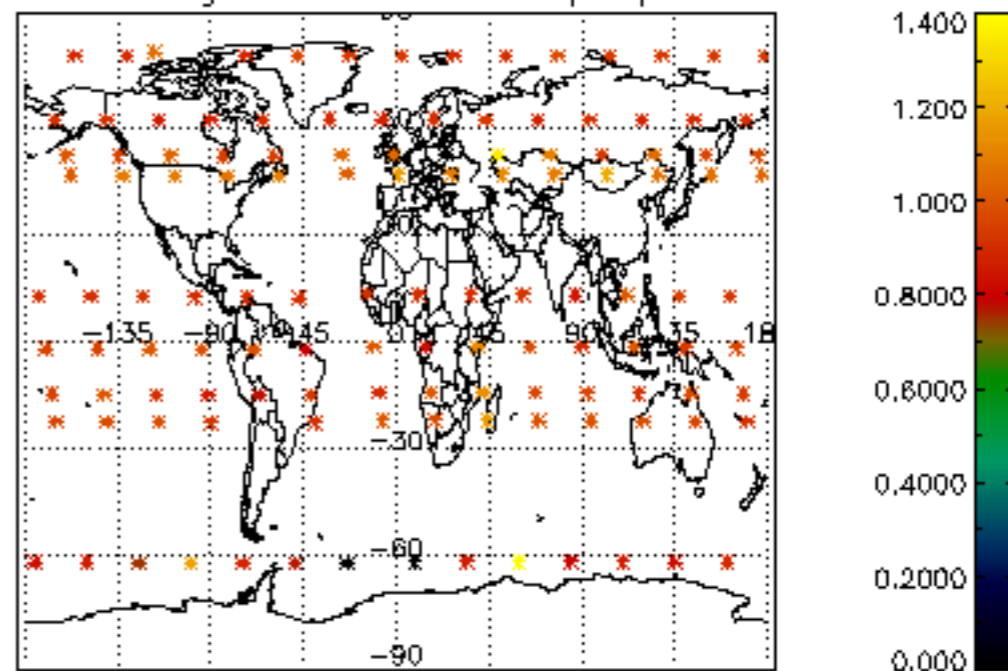




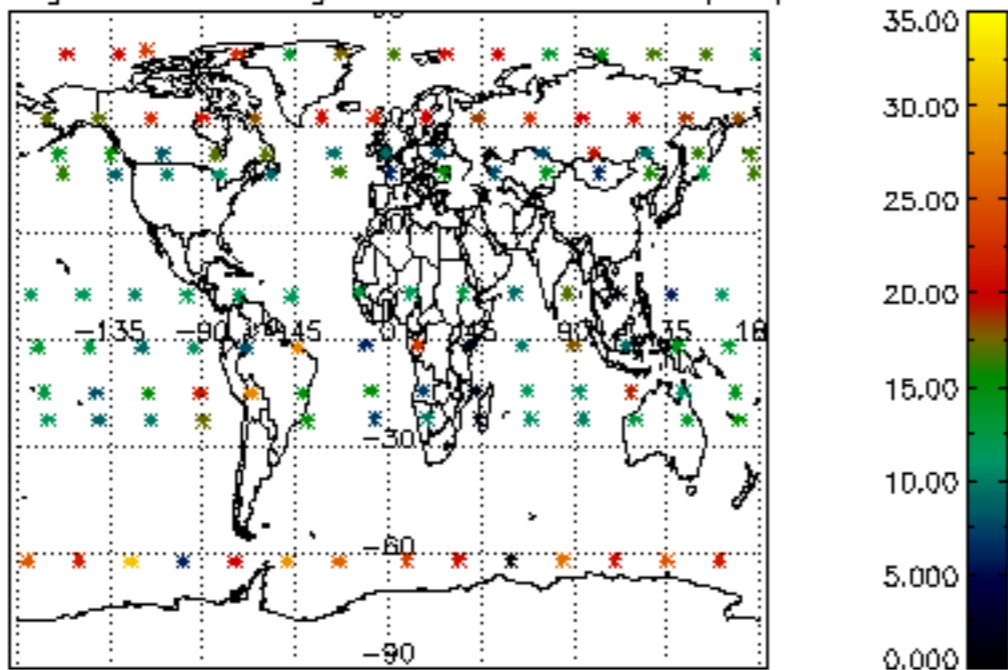
Percentage of cosmic ray hits per profile



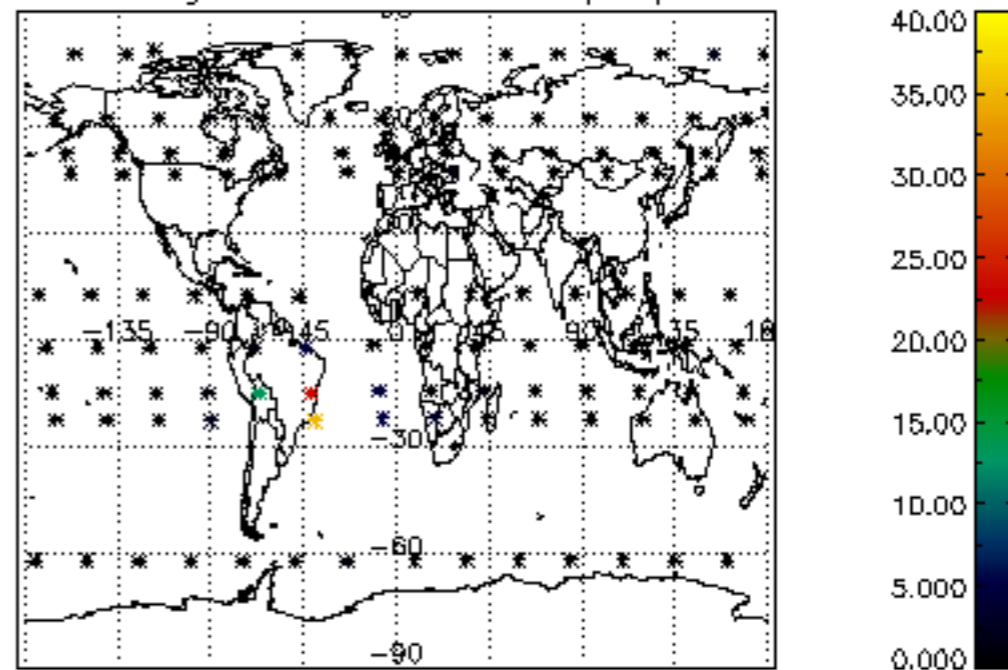
Percentage of datation errors per profile



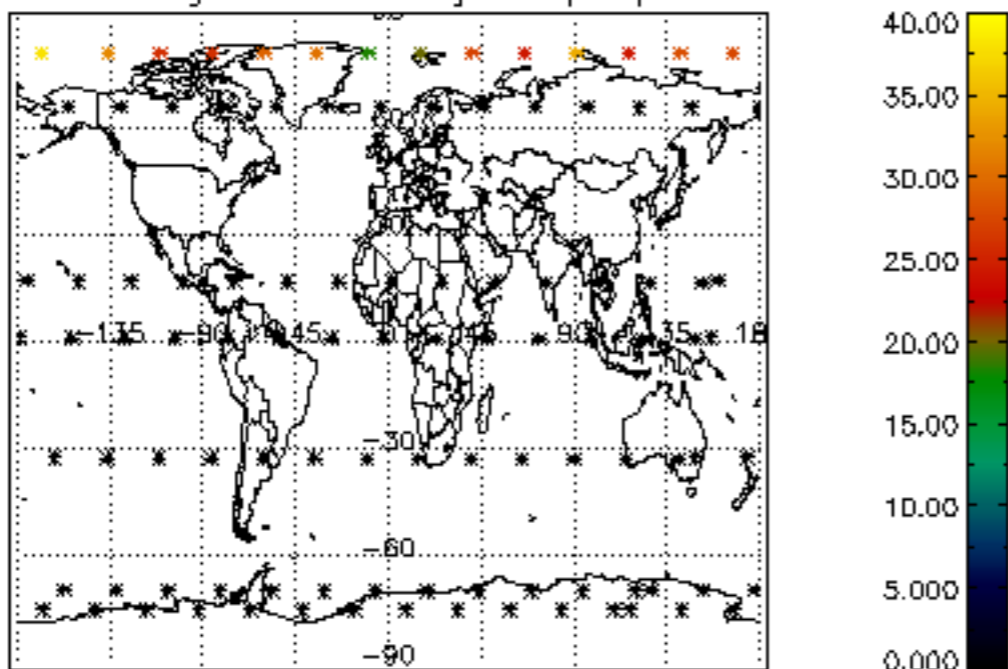
Percentage of star falling outside central band per profile



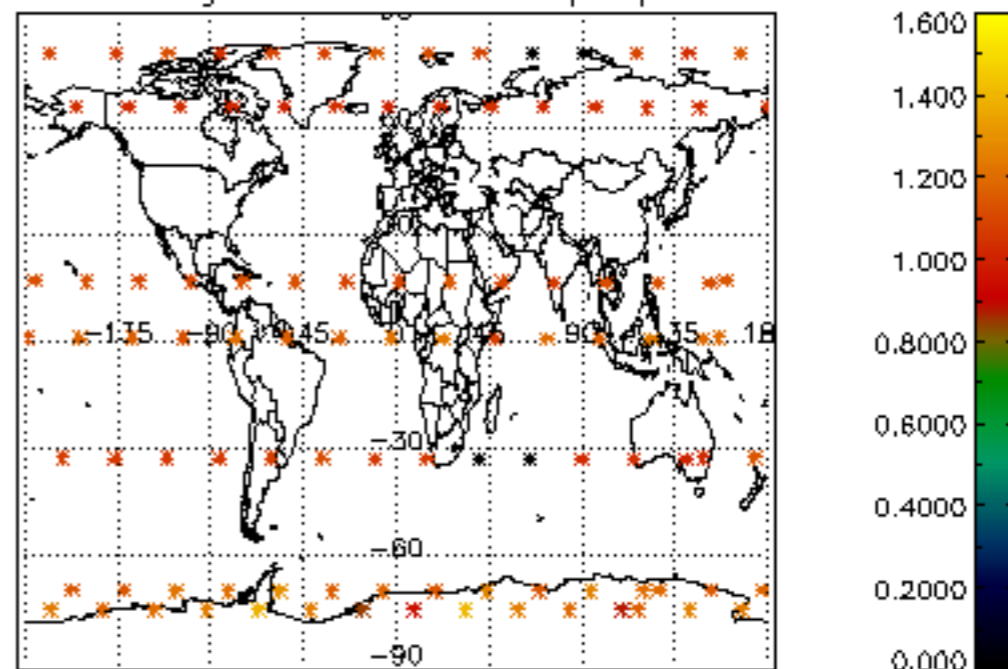
Percentage of saturation errors per profile



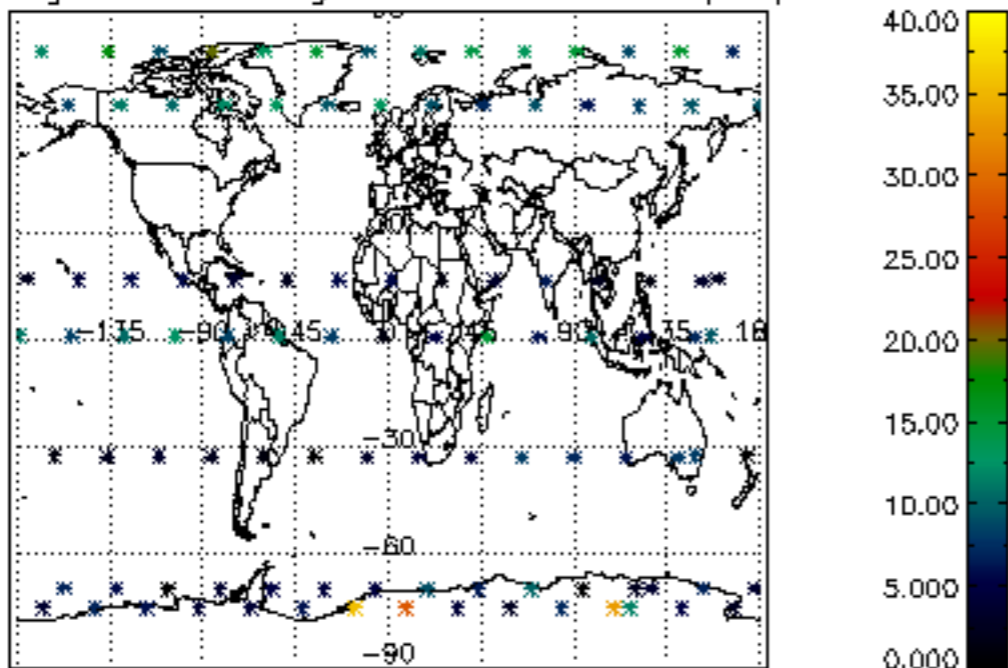
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

