

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	29APR2013 10:26:03
Data source version	GOMOS/6.01
Start time of products	05-05-2010 (05MAY2010 00:00:00)
Stop time of products	06-05-2010 (06MAY2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	254
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

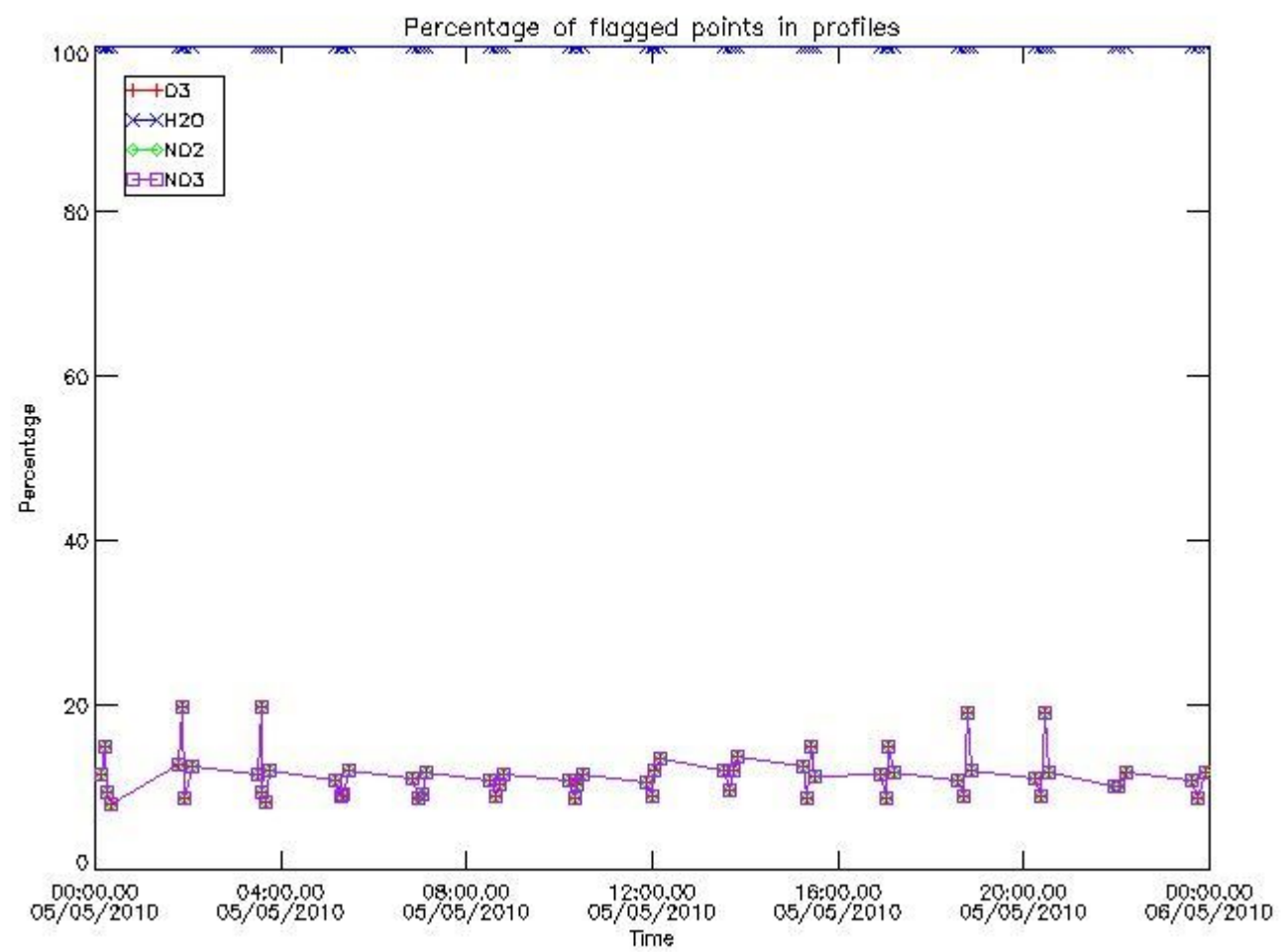
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100505_000358_000000502089_00116_42755_7917.N1	05-MAY-2010 00:03:58	Twilight	49.500	93	53Bet Peg	2.5200	3100.0	99	42755	No
2	GOM_NL__2PRFIN20100505_000803_000000492089_00116_42755_7918.N1	05-MAY-2010 00:08:03	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42755	No
3	GOM_NL__2PRFIN20100505_001253_000000342089_00116_42755_7919.N1	05-MAY-2010 00:12:53	Dark	34.000	61	8Eps Peg	2.1000	3900.0	68	42755	No
4	GOM_NL__2PRFIN20100505_001516_000000542089_00116_42755_7920.N1	05-MAY-2010 00:15:16	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	42755	No
5	GOM_NL__2PRFIN20100505_001925_000000642089_00116_42755_7921.N1	05-MAY-2010 00:19:25	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	42755	No
6	GOM_NL__2PRFIN20100505_004126_000000702089_00117_42756_7922.N1	05-MAY-2010 00:41:26	Straylight	69.500	38	20Eps Sgr	1.8360	11000.	139	42756	No
7	GOM_NL__2PRFIN20100505_004350_000000572089_00117_42756_7923.N1	05-MAY-2010 00:43:50	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42756	No
8	GOM_NL__2PRFIN20100505_004644_000000552089_00117_42756_7924.N1	05-MAY-2010 00:46:44	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42756	No
9	GOM_NL__2PRFIN20100505_005018_000000642089_00117_42756_7925.N1	05-MAY-2010 00:50:18	Twilight	63.500	16	21Alp Sco	1.0200	3000.0	127	42756	No
10	GOM_NL__2PRFIN20100505_005223_000000592089_00117_42756_7926.N1	05-MAY-2010 00:52:23	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	42756	No
11	GOM_NL__2PRFIN20100505_005523_000000422089_00117_42756_7927.N1	05-MAY-2010 00:55:23	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42756	No
12	GOM_NL__2PRFIN20100505_005733_000000462089_00117_42756_7928.N1	05-MAY-2010 00:57:33	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42756	No
13	GOM_NL__2PRFIN20100505_010618_000000422089_00117_42756_7929.N1	05-MAY-2010 01:06:18	Bright	41.500	3	16Alp Boo	-0.050000	4250.0	83	42756	No
14	GOM_NL__2PRFIN20100505_010916_000000452089_00117_42756_7930.N1	05-MAY-2010 01:09:16	Bright	45.000	83		2.3780	11000.	90	42756	No
15	GOM_NL__2PRFIN20100505_011220_000000382089_00117_42756_7931.N1	05-MAY-2010 01:12:20	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42756	No
16	GOM_NL__2PRFIN20100505_012144_000000442089_00117_42756_7932.N1	05-MAY-2010 01:21:44	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42756	No
17	GOM_NL__2PRFIN20100505_013218_000000452089_00117_42756_7933.N1	05-MAY-2010 01:32:18	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42756	No
18	GOM_NL__2PRFIN20100505_014433_000000582089_00117_42756_7934.N1	05-MAY-2010 01:44:33	Twilight	58.000	93	53Bet Peg	2.5200	3100.0	116	42756	No
19	GOM_NL__2PRFIN20100505_014839_000000442089_00117_42756_7935.N1	05-MAY-2010 01:48:39	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	42756	No
20	GOM_NL__2PRFIN20100505_015330_000000262089_00117_42756_7936.N1	05-MAY-2010 01:53:30	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	42756	No
21	GOM_NL__2PRFIN20100505_015553_000000592089_00117_42756_7937.N1	05-MAY-2010 01:55:53	Dark	58.500	162	34Alp Aqr	2.9440	5350.0	117	42756	No
22	GOM_NL__2PRFIN20100505_020607_000000412089_00117_42756_7938.N1	05-MAY-2010 02:06:07	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42756	No
23	GOM_NL__2PRFIN20100505_022204_000000662089_00118_42757_7951.N1	05-MAY-2010 02:22:04	Straylight	66.000	38	20Eps Sgr	1.8360	11000.	132	42757	No
24	GOM_NL__2PRFIN20100505_022427_000000552089_00118_42757_7952.N1	05-MAY-2010 02:24:27	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	42757	No
25	GOM_NL__2PRFIN20100505_022721_000000622089_00118_42757_7953.N1	05-MAY-2010 02:27:21	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	42757	No
26	GOM_NL__2PRFIN20100505_023055_000000642089_00118_42757_7954.N1	05-MAY-2010 02:30:55	Twilight	64.000	16	21Alp Sco	1.0200	3000.0	128	42757	No
27	GOM_NL__2PRFIN20100505_023259_000000592089_00118_42757_7955.N1	05-MAY-2010 02:32:59	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	42757	No
28	GOM_NL__2PRFIN20100505_023559_000000422089_00118_42757_7956.N1	05-MAY-2010 02:35:59	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42757	No
29	GOM_NL__2PRFIN20100505_023809_000000462089_00118_42757_7957.N1	05-MAY-2010 02:38:09	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42757	No
30	GOM_NL__2PRFIN20100505_024654_000000412089_00118_42757_7958.N1	05-MAY-2010 02:46:54	Bright	41.000	3	16Alp Boo	-0.050000	4250.0	82	42757	No
31	GOM_NL__2PRFIN20100505_024952_000000442089_00118_42757_7959.N1	05-MAY-2010 02:49:52	Bright	44.000	83		2.3780	11000.	88	42757	No
32	GOM_NL__2PRFIN20100505_025255_000000412089_00118_42757_7960.N1	05-MAY-2010 02:52:55	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42757	No
33	GOM_NL__2PRFIN20100505_030219_000000452089_00118_42757_7961.N1	05-MAY-2010 03:02:19	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42757	No
34	GOM_NL__2PRFIN20100505_031253_000000452089_00118_42757_7962.N1	05-MAY-2010 03:12:53	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42757	No
35	GOM_NL__2PRFIN20100505_032509_000000602089_00118_42757_7963.N1	05-MAY-2010 03:25:09	Twilight	59.500	93	53Bet Peg	2.5200	3100.0	119	42757	No
36	GOM_NL__2PRFIN20100505_032916_000000442089_00118_42757_7964.N1	05-MAY-2010 03:29:16	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	42757	No
37	GOM_NL__2PRFIN20100505_033407_000000262089_00118_42757_7965.N1	05-MAY-2010 03:34:07	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	42757	No
38	GOM_NL__2PRFIN20100505_033630_000000602089_00118_42757_7966.N1	05-MAY-2010 03:36:30	Dark	60.000	162	34Alp Aqr	2.9440	5350.0	120	42757	No
39	GOM_NL__2PRFIN20100505_034040_000000632089_00118_42757_7967.N1	05-MAY-2010 03:40:40	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	42757	No
40	GOM_NL__2PRFIN20100505_034644_000000432089_00118_42757_7968.N1	05-MAY-2010 03:46:44	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42757	No
41	GOM_NL__2PRFIN20100505_040241_000000642089_00119_42758_7960.N1	05-MAY-2010 04:02:41	Straylight	64.000	38	20Eps Sgr	1.8360	11000.	128	42758	No
42	GOM_NL__2PRFIN20100505_040504_000000592089_00119_42758_7961.N1	05-MAY-2010 04:05:04	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	42758	No

220	GOM_NL__2PRFIN20100505_203252_000000432089_00128_42767_8076.N1	05-MAY-2010 20:32:52	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42767	No
221	GOM_NL__2PRFIN20100505_204853_000000712089_00129_42768_8067.N1	05-MAY-2010 20:48:53	Straylight	70.500	38	20Eps Sgr	1.8360	11000.	141	42768	No
222	GOM_NL__2PRFIN20100505_205112_000000582089_00129_42768_8068.N1	05-MAY-2010 20:51:12	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42768	No
223	GOM_NL__2PRFIN20100505_205403_000000562089_00129_42768_8069.N1	05-MAY-2010 20:54:03	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42768	No
224	GOM_NL__2PRFIN20100505_205735_000000622089_00129_42768_8070.N1	05-MAY-2010 20:57:35	Tw_i_and_stray	62.000	16	21Alp Sco	1.0200	3000.0	124	42768	No
225	GOM_NL__2PRFIN20100505_205937_000000592089_00129_42768_8071.N1	05-MAY-2010 20:59:37	Tw_i_and_stray	59.000	80	7Del Sco	2.3160	30000.	118	42768	No
226	GOM_NL__2PRFIN20100505_210236_000000472089_00129_42768_8072.N1	05-MAY-2010 21:02:36	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	42768	No
227	GOM_NL__2PRFIN20100505_210444_000000462089_00129_42768_8073.N1	05-MAY-2010 21:04:44	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42768	No
228	GOM_NL__2PRFIN20100505_211107_000000552089_00129_42768_8074.N1	05-MAY-2010 21:11:07	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	42768	No
229	GOM_NL__2PRFIN20100505_211327_000000382089_00129_42768_8075.N1	05-MAY-2010 21:13:27	Bright	38.000	3	16Alp Boo	-0.050000	4250.0	76	42768	No
230	GOM_NL__2PRFIN20100505_211623_000000422089_00129_42768_8076.N1	05-MAY-2010 21:16:23	Bright	42.000	83		2.3780	11000.	84	42768	No
231	GOM_NL__2PRFIN20100505_211927_000000412089_00129_42768_8077.N1	05-MAY-2010 21:19:27	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42768	No
232	GOM_NL__2PRFIN20100505_212848_000000442089_00129_42768_8078.N1	05-MAY-2010 21:28:48	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42768	No
233	GOM_NL__2PRFIN20100505_213925_000000402089_00129_42768_8079.N1	05-MAY-2010 21:39:25	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42768	No
234	GOM_NL__2PRFIN20100505_215147_000000542089_00129_42768_8080.N1	05-MAY-2010 21:51:47	Tw_i_and_stray	53.500	93	53Bet Peg	2.5200	3100.0	107	42768	No
235	GOM_NL__2PRFIN20100505_215555_000000502089_00129_42768_8081.N1	05-MAY-2010 21:55:55	Dark	50.000	90	54Alp Peg	2.4870	11000.	100	42768	No
236	GOM_NL__2PRFIN20100505_220316_000000612089_00129_42768_8082.N1	05-MAY-2010 22:03:16	Dark	61.000	162	34Alp Aqr	2.9440	5350.0	122	42768	No
237	GOM_NL__2PRFIN20100505_221328_000000442089_00129_42768_8083.N1	05-MAY-2010 22:13:28	Dark	43.500	172	Gam Gru	3.0030	13100.	87	42768	No
238	GOM_NL__2PRFIN20100505_222930_000000652089_00130_42769_8075.N1	05-MAY-2010 22:29:30	Straylight	65.000	38	20Eps Sgr	1.8360	11000.	130	42769	No
239	GOM_NL__2PRFIN20100505_223148_000000562089_00130_42769_8076.N1	05-MAY-2010 22:31:48	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	42769	No
240	GOM_NL__2PRFIN20100505_223440_000000582089_00130_42769_8077.N1	05-MAY-2010 22:34:40	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42769	No
241	GOM_NL__2PRFIN20100505_223811_000000752089_00130_42769_8078.N1	05-MAY-2010 22:38:11	Tw_i_and_stray	74.500	16	21Alp Sco	1.0200	3000.0	149	42769	No
242	GOM_NL__2PRFIN20100505_224014_000000612089_00130_42769_8079.N1	05-MAY-2010 22:40:14	Tw_i_and_stray	60.500	80	7Del Sco	2.3160	30000.	121	42769	No
243	GOM_NL__2PRFIN20100505_224312_000000412089_00130_42769_8080.N1	05-MAY-2010 22:43:12	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42769	No
244	GOM_NL__2PRFIN20100505_224520_000000452089_00130_42769_8081.N1	05-MAY-2010 22:45:20	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42769	No
245	GOM_NL__2PRFIN20100505_225142_000000562089_00130_42769_8082.N1	05-MAY-2010 22:51:42	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	42769	No
246	GOM_NL__2PRFIN20100505_225403_000000412089_00130_42769_8083.N1	05-MAY-2010 22:54:03	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	42769	No
247	GOM_NL__2PRFIN20100505_225659_000000462089_00130_42769_8084.N1	05-MAY-2010 22:56:59	Bright	45.500	83		2.3780	11000.	91	42769	No
248	GOM_NL__2PRFIN20100505_230003_000000402089_00130_42769_8085.N1	05-MAY-2010 23:00:03	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42769	No
249	GOM_NL__2PRFIN20100505_230923_000000442089_00130_42769_8086.N1	05-MAY-2010 23:09:23	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42769	No
250	GOM_NL__2PRFIN20100505_232000_000000452089_00130_42769_8087.N1	05-MAY-2010 23:20:00	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42769	No
251	GOM_NL__2PRFIN20100505_233223_000000522089_00130_42769_8088.N1	05-MAY-2010 23:32:23	Tw_i_and_stray	51.500	93	53Bet Peg	2.5200	3100.0	103	42769	No
252	GOM_NL__2PRFIN20100505_233631_000000482089_00130_42769_8089.N1	05-MAY-2010 23:36:31	Dark	47.500	90	54Alp Peg	2.4870	11000.	95	42769	No
253	GOM_NL__2PRFIN20100505_234353_000000592089_00130_42769_8090.N1	05-MAY-2010 23:43:53	Dark	58.500	162	34Alp Aqr	2.9440	5350.0	117	42769	No
254	GOM_NL__2PRFIN20100505_235405_000000432089_00130_42769_8091.N1	05-MAY-2010 23:54:05	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42769	No

3. Quality information per product

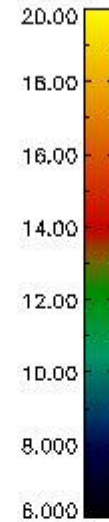
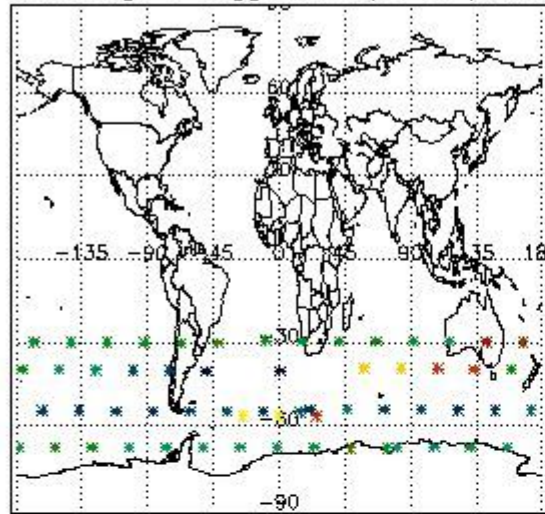
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

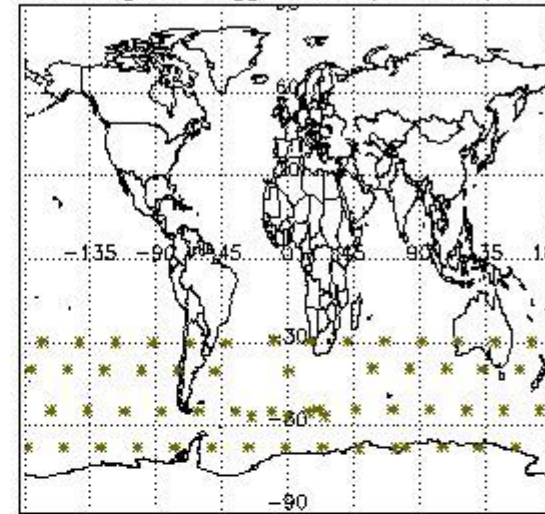


3.2 Plot quality information per product (world map)

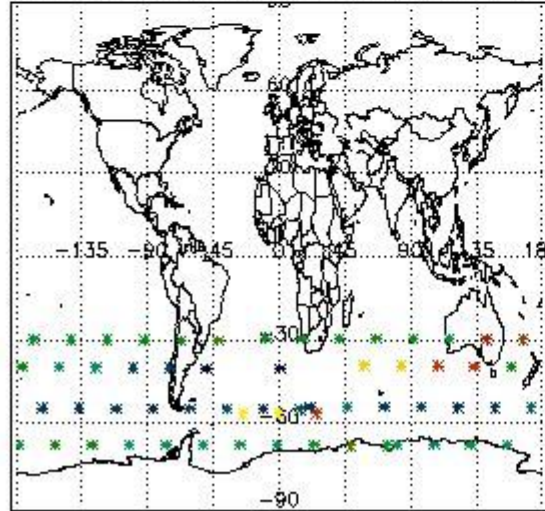
Percentage of flagged data per O3 profile



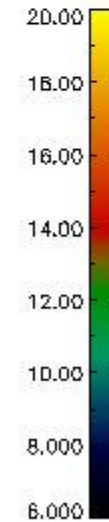
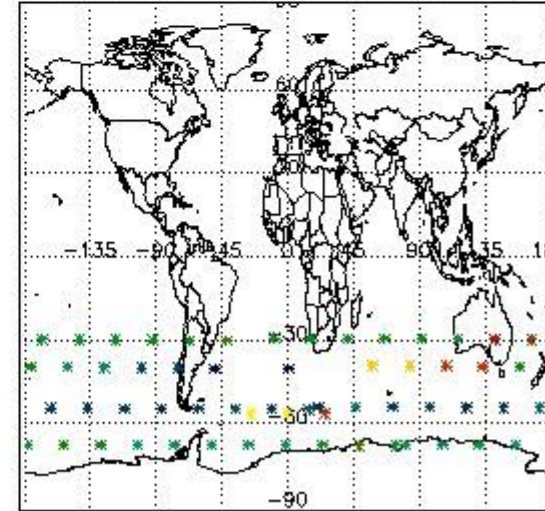
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

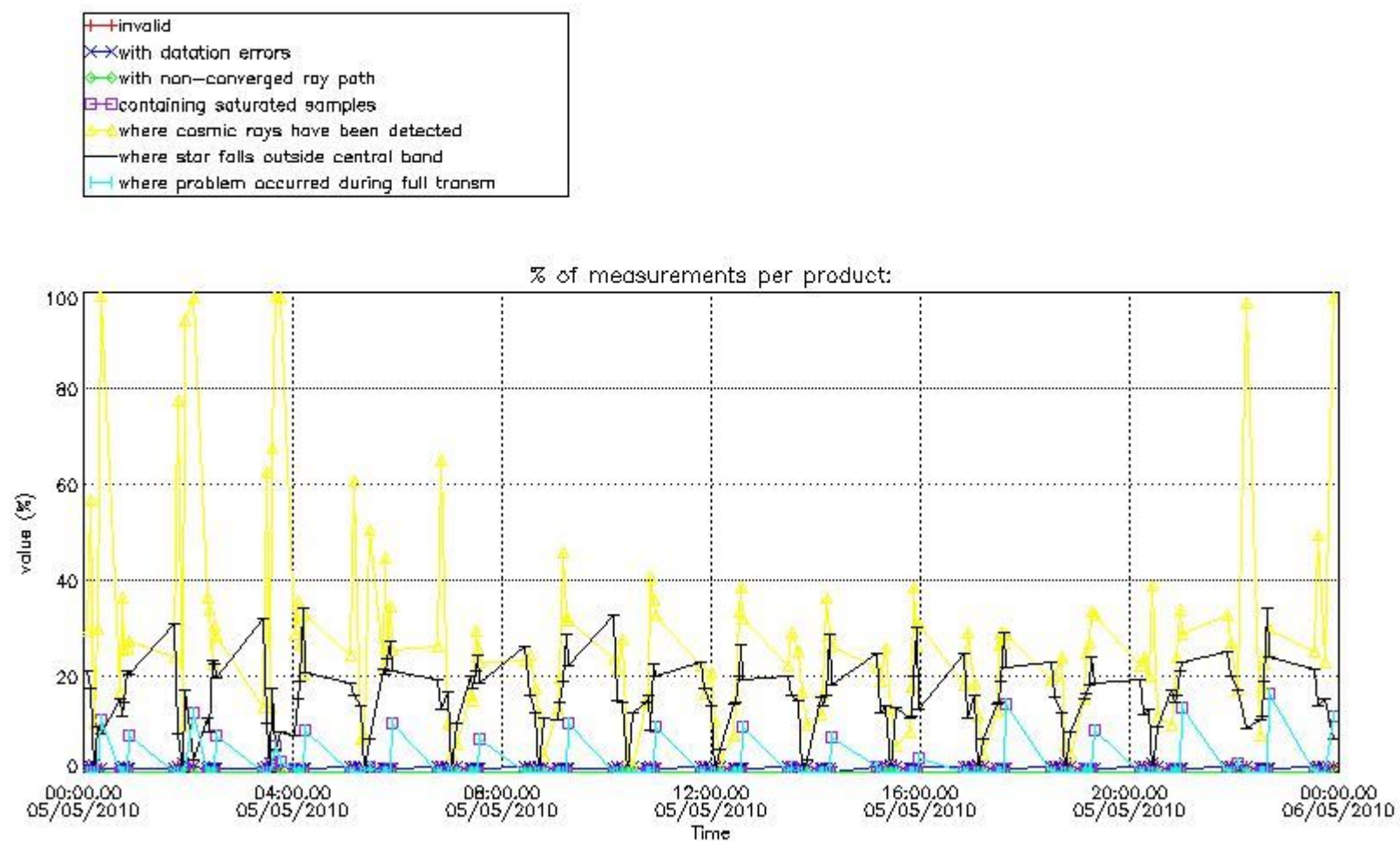


4. Level 1 quality information per product

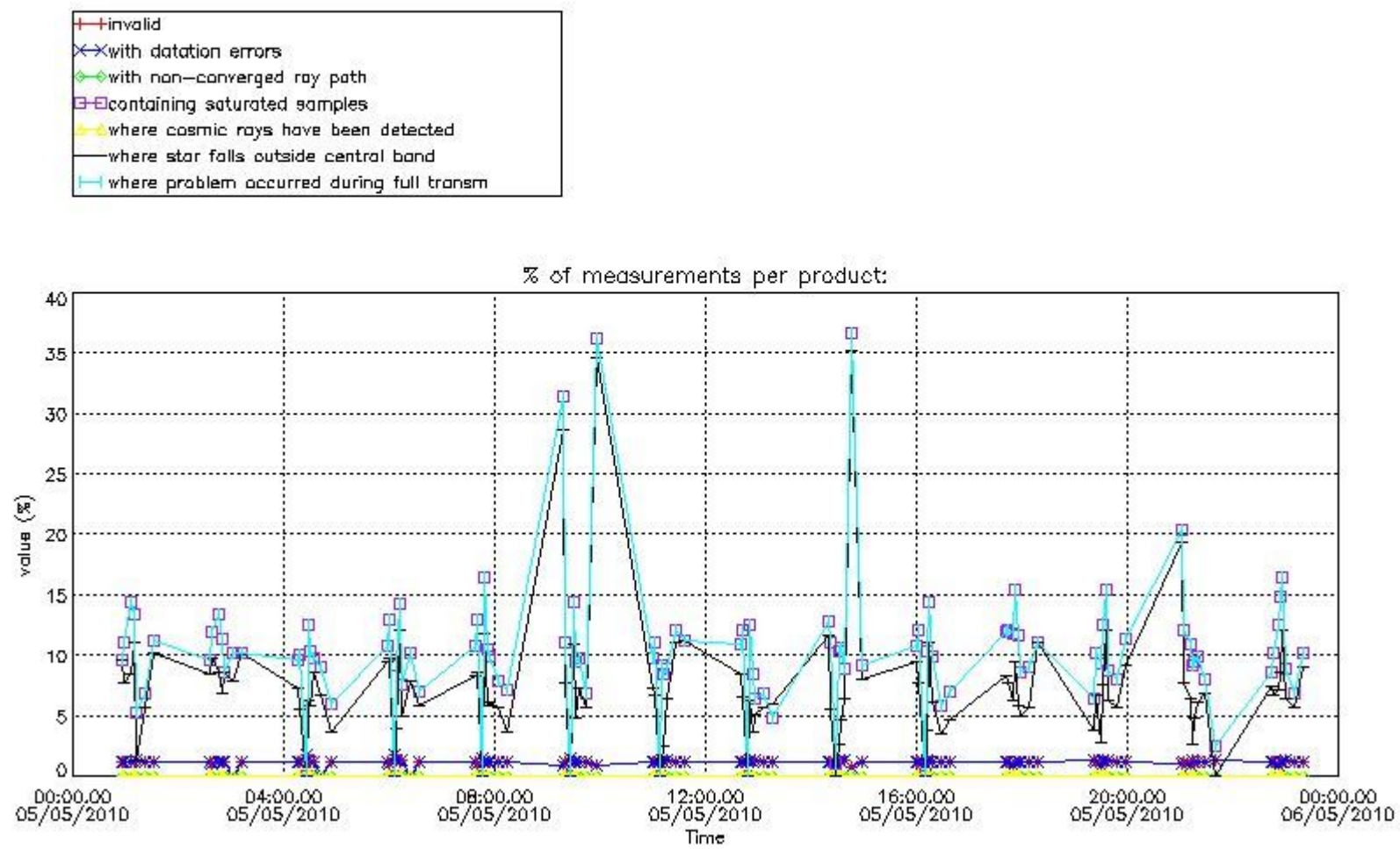
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

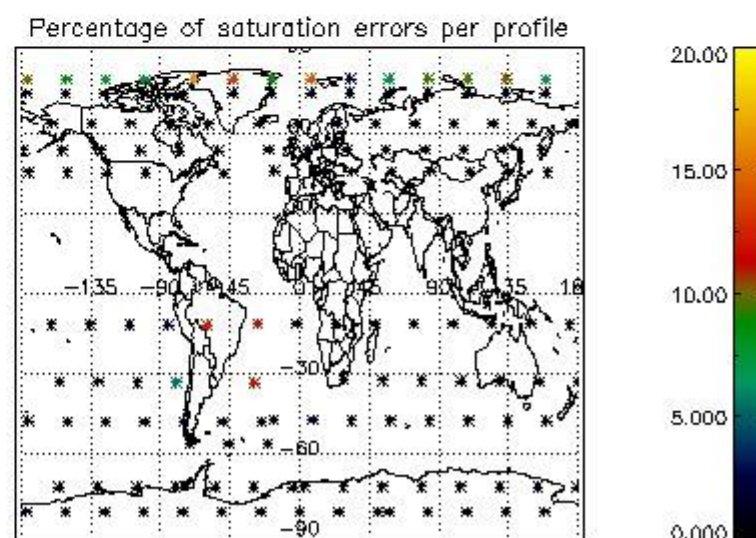
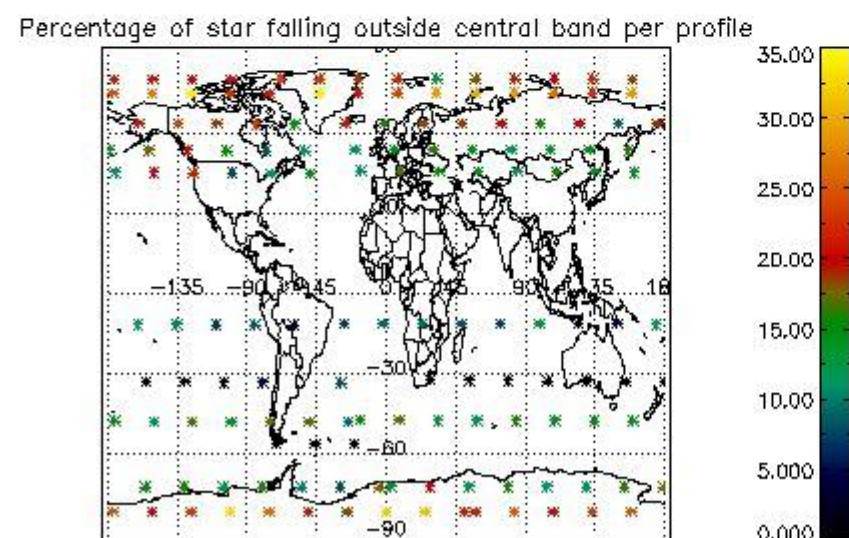
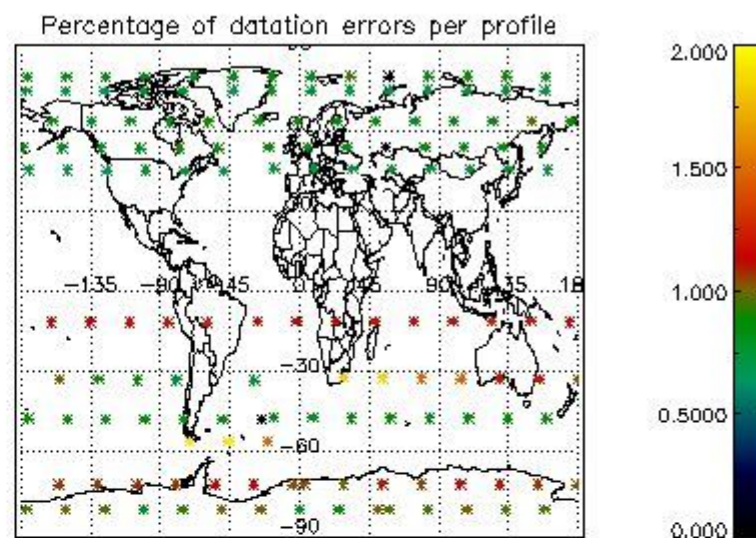
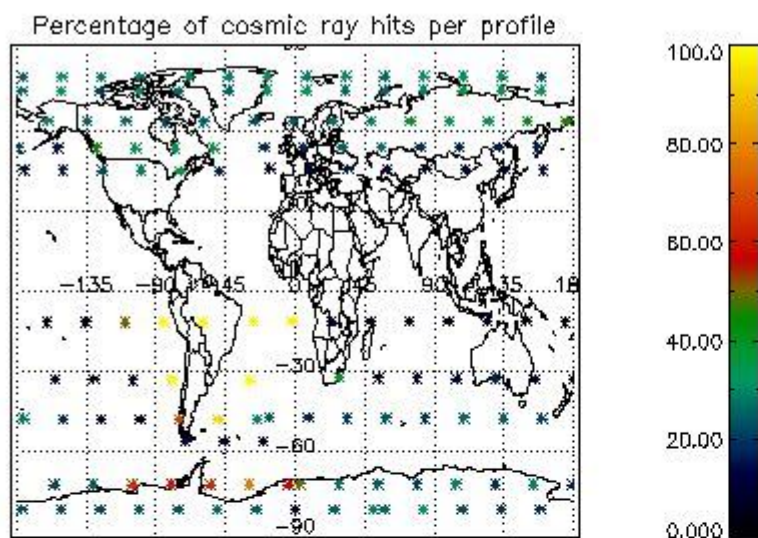


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

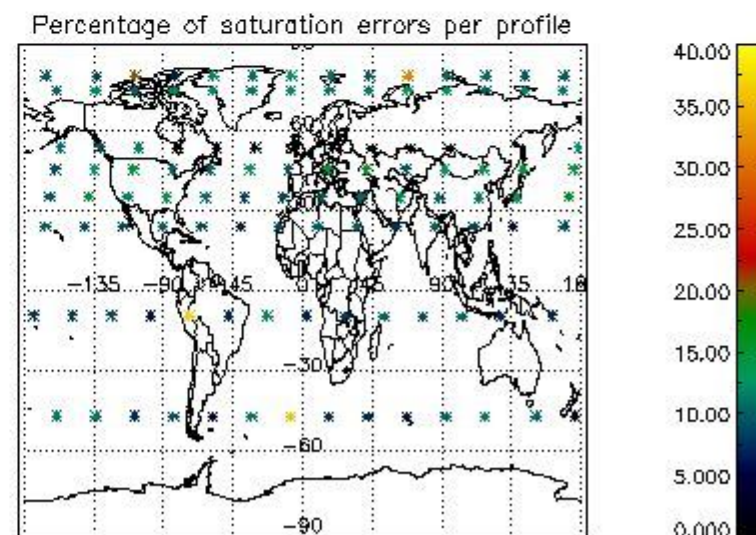
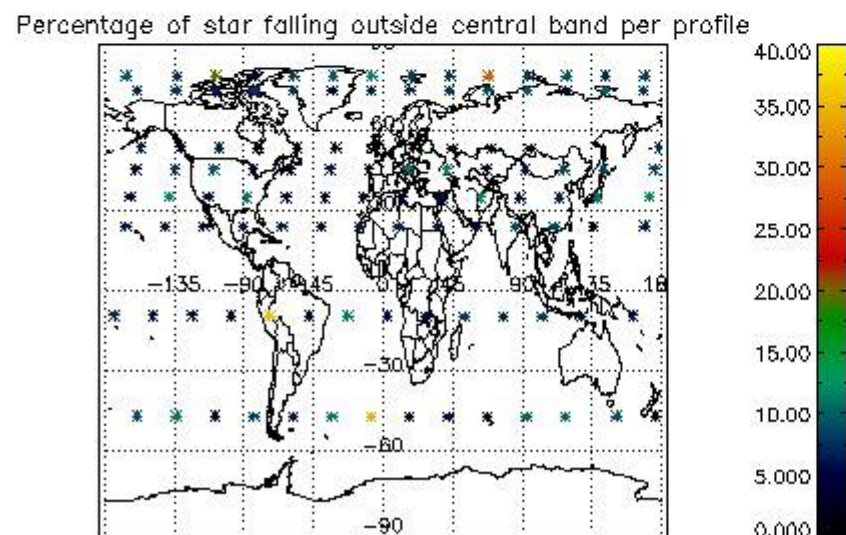
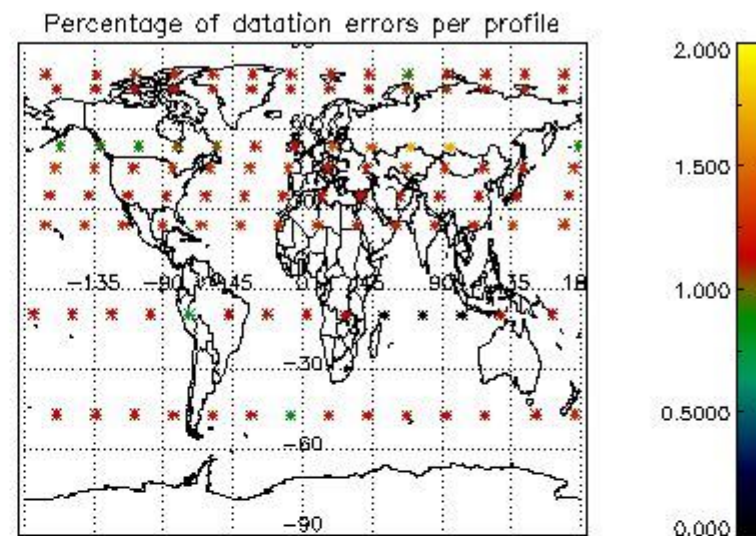
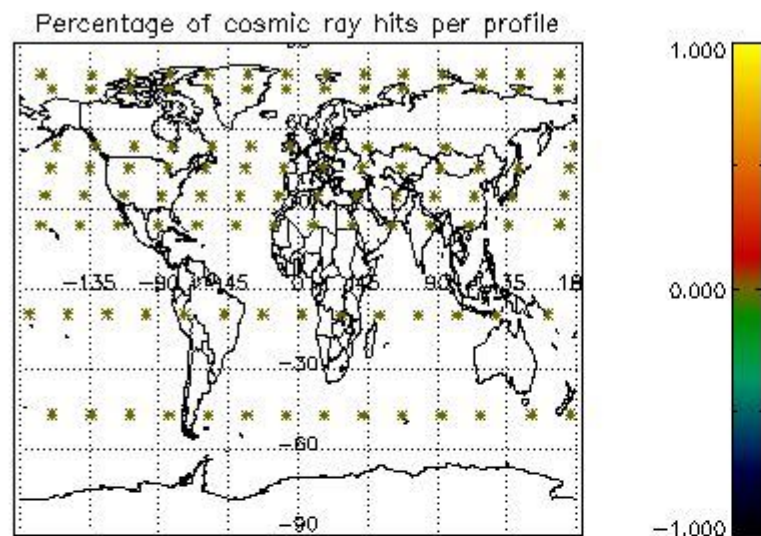


4.2 Plot quality information per product coming from level 1b processing (world map)

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

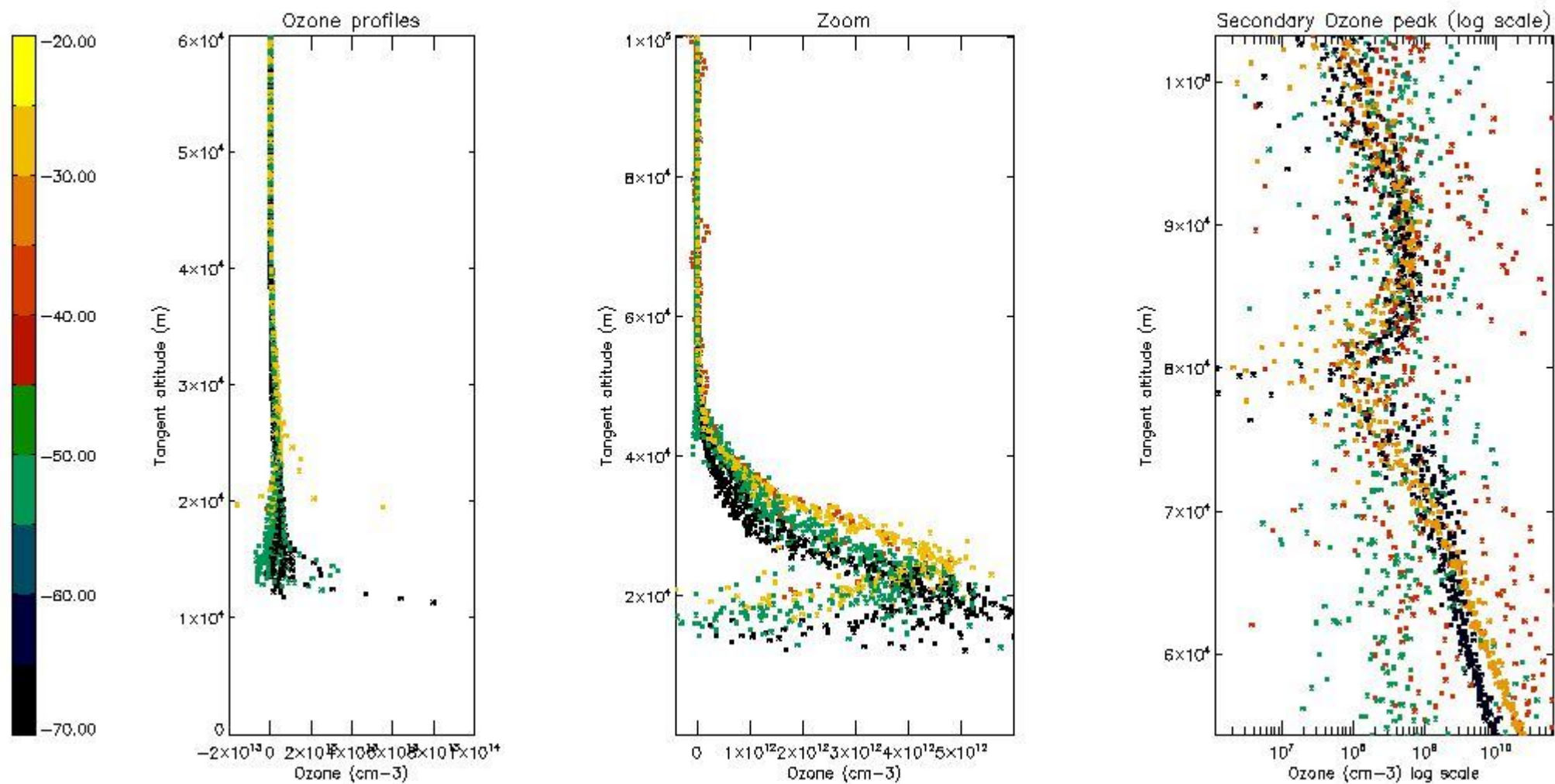
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	7

STD < 10	4
STD < 5	0

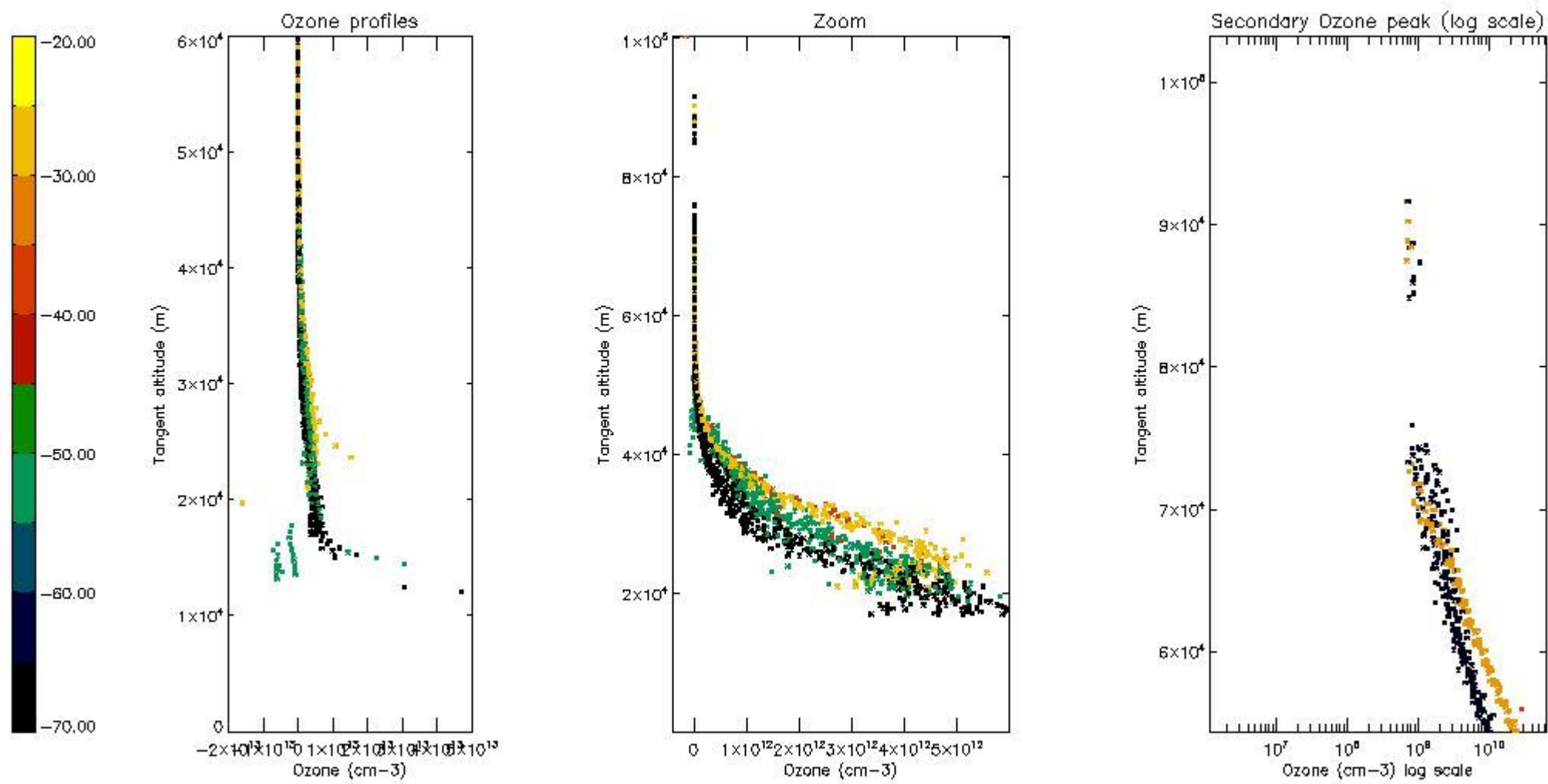
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



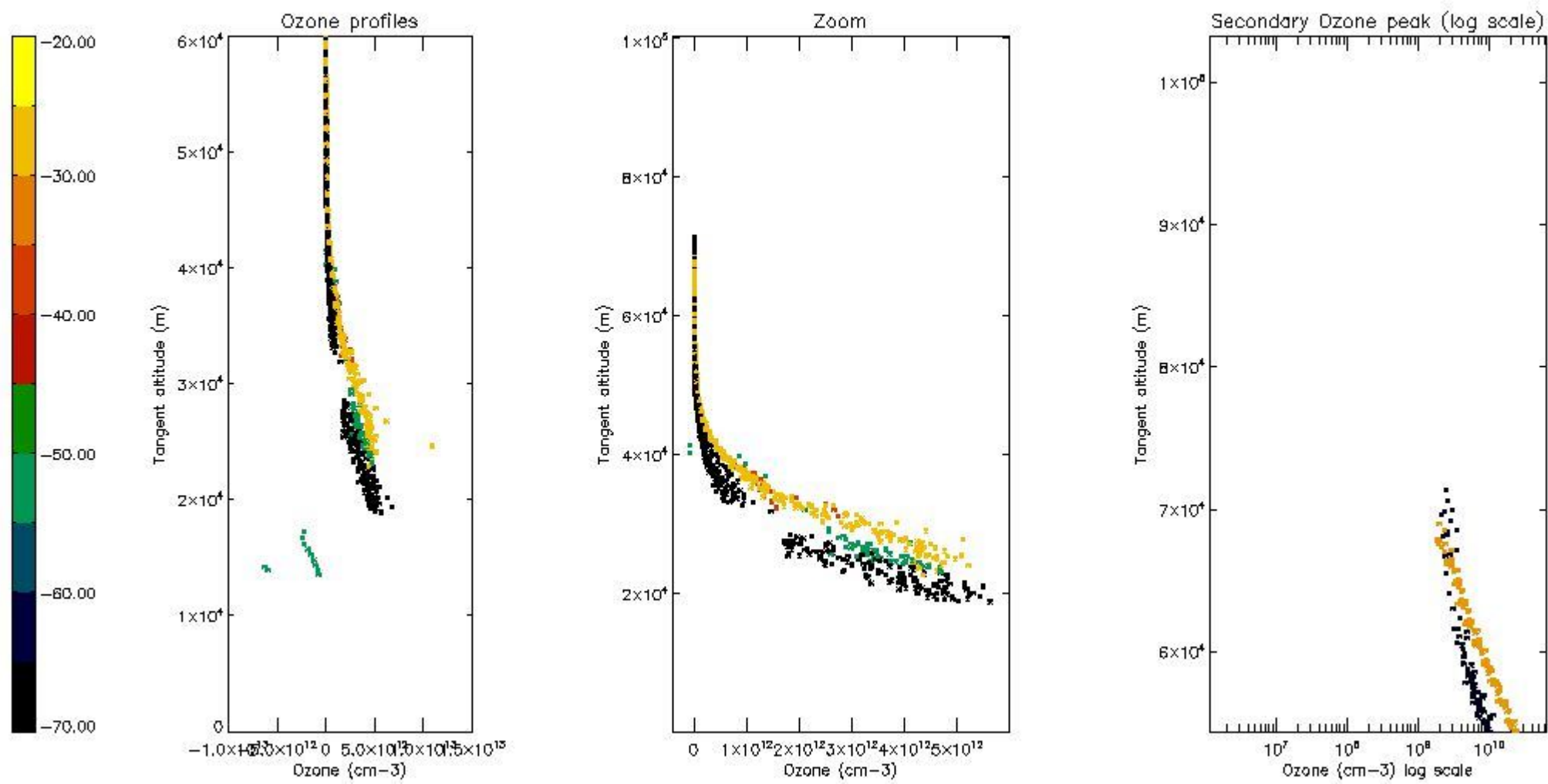
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



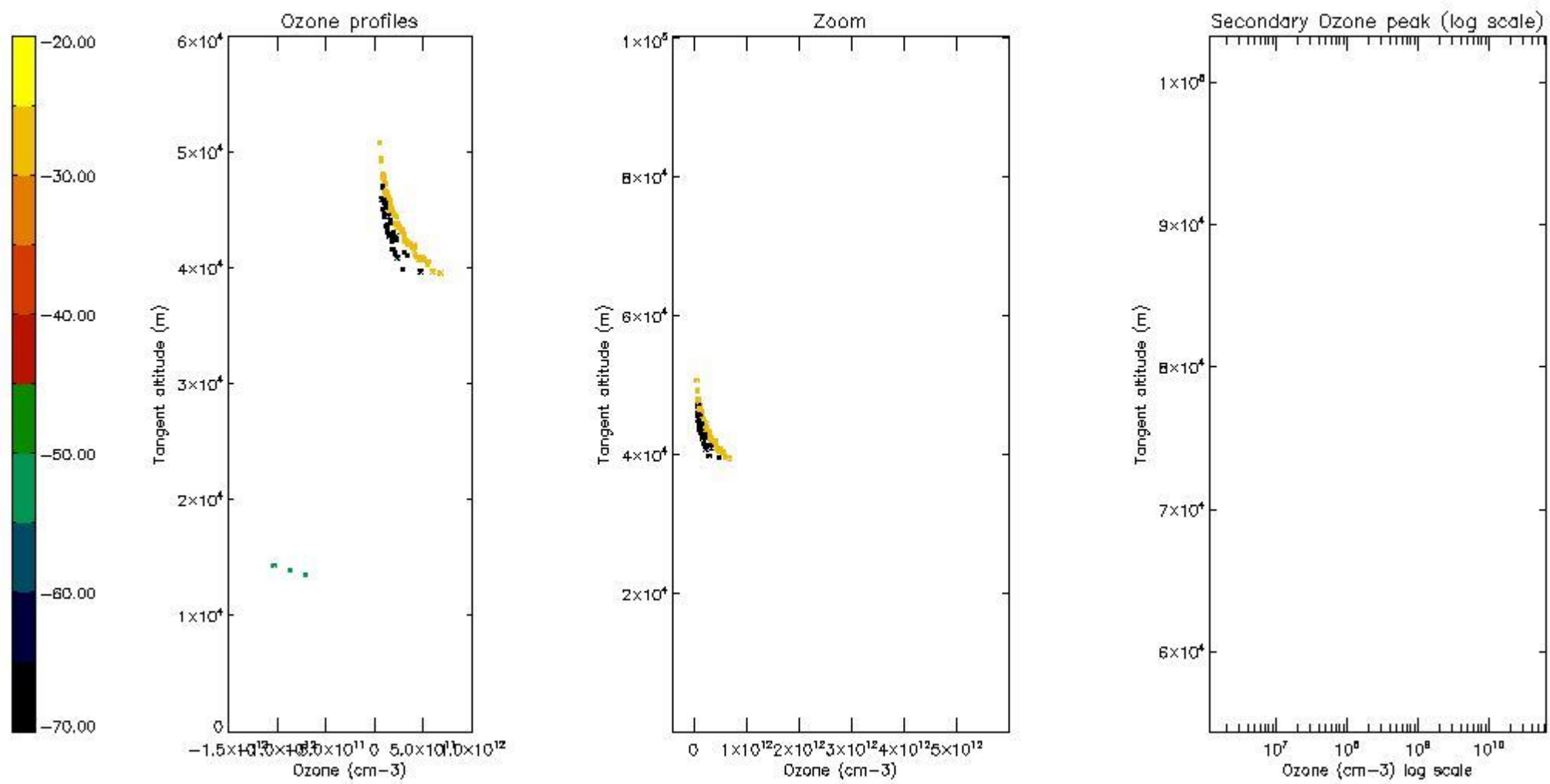
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



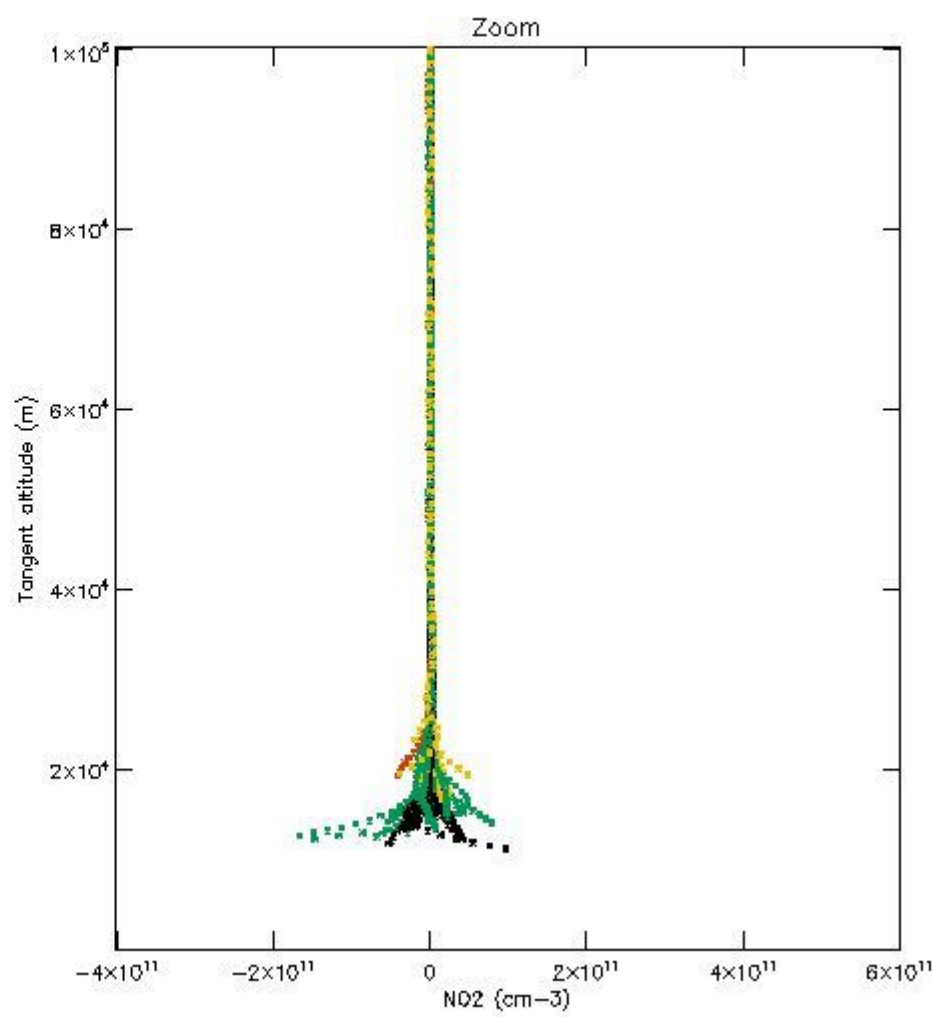
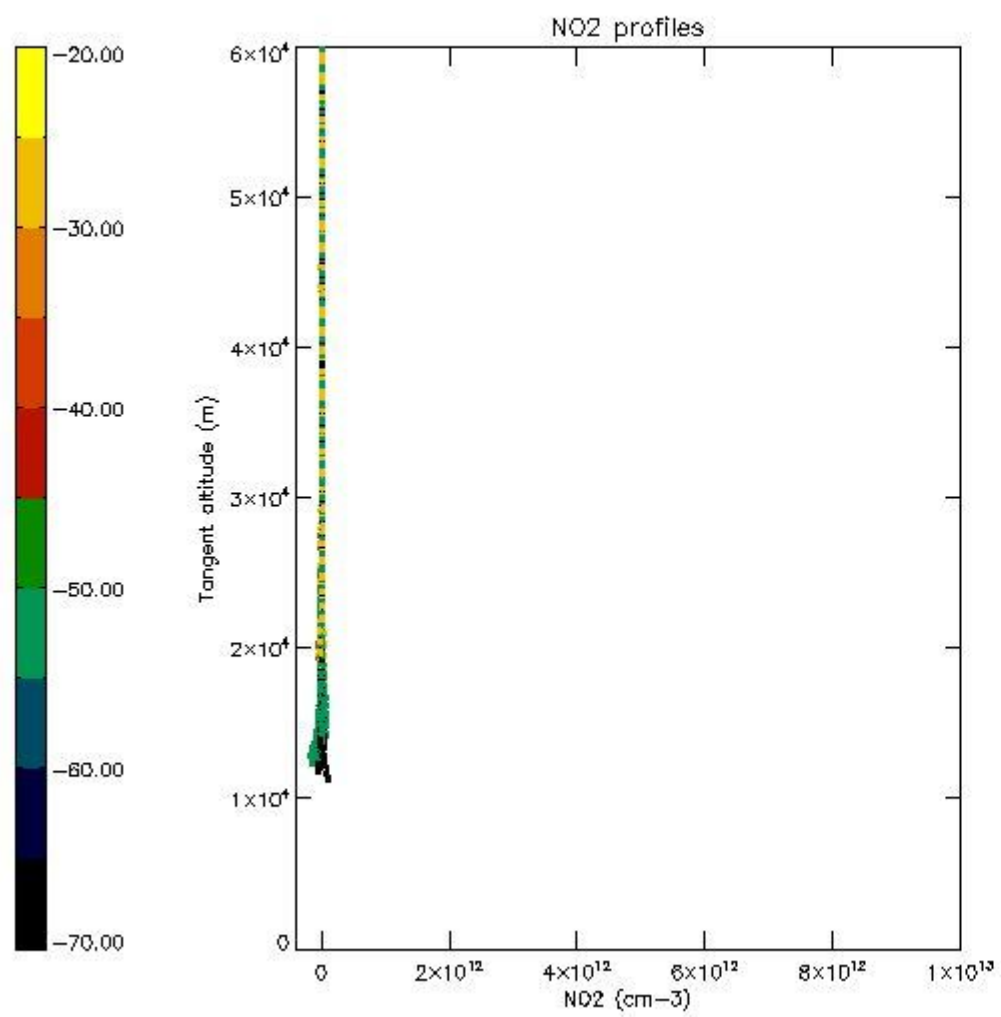
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



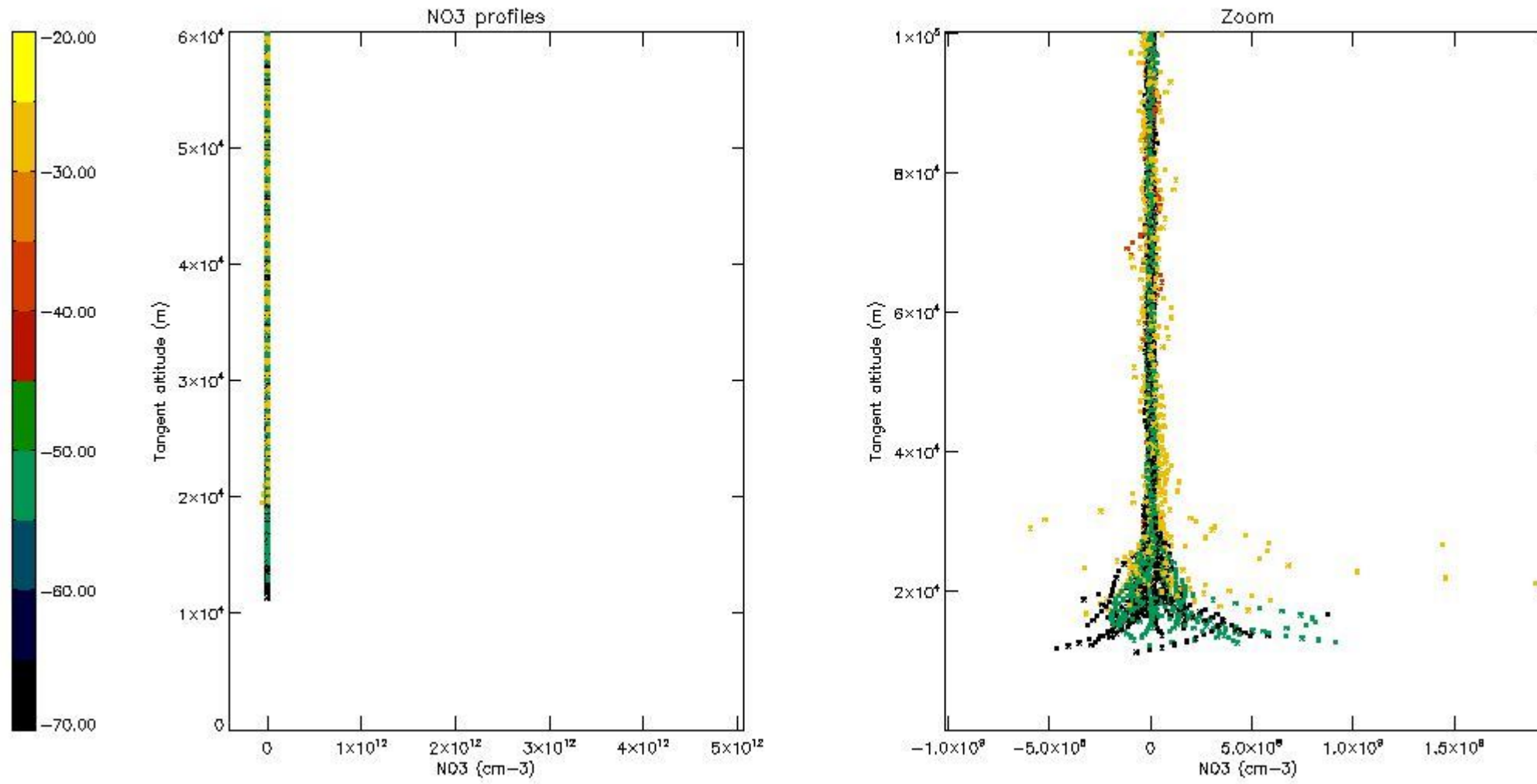
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	05-MAY-2010 00:03:58
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-MAY-2010 00:03:58
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-MAY-2010 00:03:58

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	29APR2013 10:26:03
Data source version	GOMOS/6.01
Start time of products	05-05-2010 (05MAY2010 00:00:00)
Stop time of products	06-05-2010 (06MAY2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	254
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__2PRFIN20100505_000358_000000502089_00116_42755_7917.N1	05-MAY-2010 00:03:58	Twilight	49.500	93	53Bet Peg	2.5200	3100.0	99	42755	No
2	GOM_NL__2PRFIN20100505_000803_000000492089_00116_42755_7918.N1	05-MAY-2010 00:08:03	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42755	No
3	GOM_NL__2PRFIN20100505_001253_000000342089_00116_42755_7919.N1	05-MAY-2010 00:12:53	Dark	34.000	61	8Eps Peg	2.1000	3900.0	68	42755	No
4	GOM_NL__2PRFIN20100505_001516_000000542089_00116_42755_7920.N1	05-MAY-2010 00:15:16	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	42755	No
5	GOM_NL__2PRFIN20100505_001925_000000642089_00116_42755_7921.N1	05-MAY-2010 00:19:25	Dark	63.500	154	22Bet Aqr	2.8990	5700.0	127	42755	No
6	GOM_NL__2PRFIN20100505_004126_000000702089_00117_42756_7922.N1	05-MAY-2010 00:41:26	Straylight	69.500	38	20Eps Sgr	1.8360	11000.	139	42756	No
7	GOM_NL__2PRFIN20100505_004350_000000572089_00117_42756_7923.N1	05-MAY-2010 00:43:50	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	42756	No
8	GOM_NL__2PRFIN20100505_004644_000000552089_00117_42756_7924.N1	05-MAY-2010 00:46:44	Straylight	55.000	75	26Eps Sco	2.2910	4250.0	110	42756	No
9	GOM_NL__2PRFIN20100505_005018_000000642089_00117_42756_7925.N1	05-MAY-2010 00:50:18	Twilight	63.500	16	21Alp Sco	1.0200	3000.0	127	42756	No
10	GOM_NL__2PRFIN20100505_005223_000000592089_00117_42756_7926.N1	05-MAY-2010 00:52:23	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	42756	No
11	GOM_NL__2PRFIN20100505_005523_000000422089_00117_42756_7927.N1	05-MAY-2010 00:55:23	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42756	No
12	GOM_NL__2PRFIN20100505_005733_000000462089_00117_42756_7928.N1	05-MAY-2010 00:57:33	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42756	No
13	GOM_NL__2PRFIN20100505_010618_000000422089_00117_42756_7929.N1	05-MAY-2010 01:06:18	Bright	41.500	3	16Alp Boo	-0.050000	4250.0	83	42756	No
14	GOM_NL__2PRFIN20100505_010916_000000452089_00117_42756_7930.N1	05-MAY-2010 01:09:16	Bright	45.000	83		2.3780	11000.	90	42756	No
15	GOM_NL__2PRFIN20100505_011220_000000382089_00117_42756_7931.N1	05-MAY-2010 01:12:20	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	42756	No
16	GOM_NL__2PRFIN20100505_012144_000000442089_00117_42756_7932.N1	05-MAY-2010 01:21:44	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42756	No
17	GOM_NL__2PRFIN20100505_013218_000000452089_00117_42756_7933.N1	05-MAY-2010 01:32:18	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42756	No
18	GOM_NL__2PRFIN20100505_014433_000000582089_00117_42756_7934.N1	05-MAY-2010 01:44:33	Twilight	58.000	93	53Bet Peg	2.5200	3100.0	116	42756	No
19	GOM_NL__2PRFIN20100505_014839_000000442089_00117_42756_7935.N1	05-MAY-2010 01:48:39	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	42756	No
20	GOM_NL__2PRFIN20100505_015330_000000262089_00117_42756_7936.N1	05-MAY-2010 01:53:30	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	42756	No
21	GOM_NL__2PRFIN20100505_015553_000000592089_00117_42756_7937.N1	05-MAY-2010 01:55:53	Dark	58.500	162	34Alp Aqr	2.9440	5350.0	117	42756	No
22	GOM_NL__2PRFIN20100505_020607_000000412089_00117_42756_7938.N1	05-MAY-2010 02:06:07	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42756	No
23	GOM_NL__2PRFIN20100505_022204_000000662089_00118_42757_7951.N1	05-MAY-2010 02:22:04	Straylight	66.000	38	20Eps Sgr	1.8360	11000.	132	42757	No
24	GOM_NL__2PRFIN20100505_022427_000000552089_00118_42757_7952.N1	05-MAY-2010 02:24:27	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	42757	No
25	GOM_NL__2PRFIN20100505_022721_000000622089_00118_42757_7953.N1	05-MAY-2010 02:27:21	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	42757	No
26	GOM_NL__2PRFIN20100505_023055_000000642089_00118_42757_7954.N1	05-MAY-2010 02:30:55	Twilight	64.000	16	21Alp Sco	1.0200	3000.0	128	42757	No
27	GOM_NL__2PRFIN20100505_023259_000000592089_00118_42757_7955.N1	05-MAY-2010 02:32:59	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	42757	No
28	GOM_NL__2PRFIN20100505_023559_000000422089_00118_42757_7956.N1	05-MAY-2010 02:35:59	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42757	No
29	GOM_NL__2PRFIN20100505_023809_000000462089_00118_42757_7957.N1	05-MAY-2010 02:38:09	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	42757	No
30	GOM_NL__2PRFIN20100505_024654_000000412089_00118_42757_7958.N1	05-MAY-2010 02:46:54	Bright	41.000	3	16Alp Boo	-0.050000	4250.0	82	42757	No
31	GOM_NL__2PRFIN20100505_024952_000000442089_00118_42757_7959.N1	05-MAY-2010 02:49:52	Bright	44.000	83		2.3780	11000.	88	42757	No
32	GOM_NL__2PRFIN20100505_025255_000000412089_00118_42757_7960.N1	05-MAY-2010 02:52:55	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42757	No
33	GOM_NL__2PRFIN20100505_030219_000000452089_00118_42757_7961.N1	05-MAY-2010 03:02:19	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42757	No
34	GOM_NL__2PRFIN20100505_031253_000000452089_00118_42757_7962.N1	05-MAY-2010 03:12:53	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42757	No
35	GOM_NL__2PRFIN20100505_032509_000000602089_00118_42757_7963.N1	05-MAY-2010 03:25:09	Twilight	59.500	93	53Bet Peg	2.5200	3100.0	119	42757	No
36	GOM_NL__2PRFIN20100505_032916_000000442089_00118_42757_7964.N1	05-MAY-2010 03:29:16	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	42757	No
37	GOM_NL__2PRFIN20100505_033407_000000262089_00118_42757_7965.N1	05-MAY-2010 03:34:07	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	42757	No
38	GOM_NL__2PRFIN20100505_033630_000000602089_00118_42757_7966.N1	05-MAY-2010 03:36:30	Dark	60.000	162	34Alp Aqr	2.9440	5350.0	120	42757	No
39	GOM_NL__2PRFIN20100505_034040_000000632089_00118_42757_7967.N1	05-MAY-2010 03:40:40	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	42757	No
40	GOM_NL__2PRFIN20100505_034644_000000432089_00118_42757_7968.N1	05-MAY-2010 03:46:44	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42757	No
41	GOM_NL__2PRFIN20100505_040241_000000642089_00119_42758_7960.N1	05-MAY-2010 04:02:41	Straylight	64.000	38	20Eps Sgr	1.8360	11000.	128	42758	No
42	GOM_NL__2PRFIN20100505_040504_000000592089_00119_42758_7961.N1	05-MAY-2010 04:05:04	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	42758	No

43	GOM_NL__2PRFIN20100505_040757_000000592089_00119_42758_7962.N1	05-MAY-2010 04:07:57	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	42758	No
44	GOM_NL__2PRFIN20100505_041131_000000762089_00119_42758_7963.N1	05-MAY-2010 04:11:31	Twi_and_stray	76.000	16	21Alp Sco	1.0200	3000.0	152	42758	No
45	GOM_NL__2PRFIN20100505_041336_000000582089_00119_42758_7964.N1	05-MAY-2010 04:13:36	Twi_and_stray	58.000	80	7Del Sco	2.3160	30000.	116	42758	No
46	GOM_NL__2PRFIN20100505_041635_000000422089_00119_42758_7965.N1	05-MAY-2010 04:16:35	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42758	No
47	GOM_NL__2PRFIN20100505_041844_000000452089_00119_42758_7966.N1	05-MAY-2010 04:18:44	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42758	No
48	GOM_NL__2PRFIN20100505_042513_000000292089_00119_42758_7967.N1	05-MAY-2010 04:25:13	Twi_and_stray	29.000	102	24Alp Ser	2.6000	4250.0	58	42758	No
49	GOM_NL__2PRFIN20100505_042730_000000402089_00119_42758_7968.N1	05-MAY-2010 04:27:30	Bright	40.000	3	16Alp Boo	-0.050000	4250.0	80	42758	No
50	GOM_NL__2PRFIN20100505_043028_000000442089_00119_42758_7969.N1	05-MAY-2010 04:30:28	Bright	43.500	83		2.3780	11000.	87	42758	No
51	GOM_NL__2PRFIN20100505_043331_000000412089_00119_42758_7970.N1	05-MAY-2010 04:33:31	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42758	No
52	GOM_NL__2PRFIN20100505_044255_000000452089_00119_42758_7971.N1	05-MAY-2010 04:42:55	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42758	No
53	GOM_NL__2PRFIN20100505_045329_000000422089_00119_42758_7972.N1	05-MAY-2010 04:53:29	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42758	No
54	GOM_NL__2PRFIN20100505_050546_000000492089_00119_42758_7973.N1	05-MAY-2010 05:05:46	Twi_and_stray	49.000	93	53Bet Peg	2.5200	3100.0	98	42758	No
55	GOM_NL__2PRFIN20100505_050952_000000472089_00119_42758_7974.N1	05-MAY-2010 05:09:52	Dark	47.000	90	54Alp Peg	2.4870	11000.	94	42758	No
56	GOM_NL__2PRFIN20100505_051707_000000582089_00119_42758_7975.N1	05-MAY-2010 05:17:07	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	42758	No
57	GOM_NL__2PRFIN20100505_052117_000000562089_00119_42758_7976.N1	05-MAY-2010 05:21:17	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	42758	No
58	GOM_NL__2PRFIN20100505_052721_000000432089_00119_42758_7977.N1	05-MAY-2010 05:27:21	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42758	No
59	GOM_NL__2PRFIN20100505_054318_000000752089_00120_42759_7968.N1	05-MAY-2010 05:43:18	Straylight	74.500	38	20Eps Sgr	1.8360	11000.	149	42759	No
60	GOM_NL__2PRFIN20100505_054540_000000622089_00120_42759_7969.N1	05-MAY-2010 05:45:40	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	42759	No
61	GOM_NL__2PRFIN20100505_054834_000000622089_00120_42759_7970.N1	05-MAY-2010 05:48:34	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	42759	No
62	GOM_NL__2PRFIN20100505_055208_000000682089_00120_42759_7971.N1	05-MAY-2010 05:52:08	Twi_and_stray	68.000	16	21Alp Sco	1.0200	3000.0	136	42759	No
63	GOM_NL__2PRFIN20100505_055412_000000592089_00120_42759_7972.N1	05-MAY-2010 05:54:12	Twi_and_stray	59.000	80	7Del Sco	2.3160	30000.	118	42759	No
64	GOM_NL__2PRFIN20100505_055712_000000422089_00120_42759_7973.N1	05-MAY-2010 05:57:12	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42759	No
65	GOM_NL__2PRFIN20100505_055920_000000472089_00120_42759_7974.N1	05-MAY-2010 05:59:20	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	42759	No
66	GOM_NL__2PRFIN20100505_060549_000000292089_00120_42759_7975.N1	05-MAY-2010 06:05:49	Twi_and_stray	29.000	102	24Alp Ser	2.6000	4250.0	58	42759	No
67	GOM_NL__2PRFIN20100505_060806_000000392089_00120_42759_7976.N1	05-MAY-2010 06:08:06	Bright	38.500	3	16Alp Boo	-0.050000	4250.0	77	42759	No
68	GOM_NL__2PRFIN20100505_061103_000000462089_00120_42759_7977.N1	05-MAY-2010 06:11:03	Bright	45.500	83		2.3780	11000.	91	42759	No
69	GOM_NL__2PRFIN20100505_061407_000000402089_00120_42759_7978.N1	05-MAY-2010 06:14:07	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42759	No
70	GOM_NL__2PRFIN20100505_062330_000000452089_00120_42759_7979.N1	05-MAY-2010 06:23:30	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42759	No
71	GOM_NL__2PRFIN20100505_063405_000000432089_00120_42759_7980.N1	05-MAY-2010 06:34:05	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42759	No
72	GOM_NL__2PRFIN20100505_064622_000000502089_00120_42759_7981.N1	05-MAY-2010 06:46:22	Twi_and_stray	49.500	93	53Bet Peg	2.5200	3100.0	99	42759	No
73	GOM_NL__2PRFIN20100505_065028_000000462089_00120_42759_7982.N1	05-MAY-2010 06:50:28	Dark	46.000	90	54Alp Peg	2.4870	11000.	92	42759	No
74	GOM_NL__2PRFIN20100505_065744_000000602089_00120_42759_7983.N1	05-MAY-2010 06:57:44	Dark	59.500	162	34Alp Aqr	2.9440	5350.0	119	42759	No
75	GOM_NL__2PRFIN20100505_070155_000000562089_00120_42759_7984.N1	05-MAY-2010 07:01:55	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	42759	No
76	GOM_NL__2PRFIN20100505_070757_000000442089_00120_42759_7985.N1	05-MAY-2010 07:07:57	Dark	43.500	172	Gam Gru	3.0030	13100.	87	42759	No
77	GOM_NL__2PRFIN20100505_072356_000000732089_00121_42760_7976.N1	05-MAY-2010 07:23:56	Straylight	72.500	38	20Eps Sgr	1.8360	11000.	145	42760	No
78	GOM_NL__2PRFIN20100505_072617_000000602089_00121_42760_7977.N1	05-MAY-2010 07:26:17	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	42760	No
79	GOM_NL__2PRFIN20100505_072911_000000602089_00121_42760_7978.N1	05-MAY-2010 07:29:11	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42760	No
80	GOM_NL__2PRFIN20100505_073244_000000662089_00121_42760_7979.N1	05-MAY-2010 07:32:44	Twi_and_stray	65.500	16	21Alp Sco	1.0200	3000.0	131	42760	No
81	GOM_NL__2PRFIN20100505_073448_000000572089_00121_42760_7980.N1	05-MAY-2010 07:34:48	Twi_and_stray	57.000	80	7Del Sco	2.3160	30000.	114	42760	No
82	GOM_NL__2PRFIN20100505_073747_000000422089_00121_42760_7981.N1	05-MAY-2010 07:37:47	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42760	No
83	GOM_NL__2PRFIN20100505_073956_000000472089_00121_42760_7982.N1	05-MAY-2010 07:39:56	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	42760	No
84	GOM_NL__2PRFIN20100505_074624_000000362089_00121_42760_7983.N1	05-MAY-2010 07:46:24	Twi_and_stray	36.000	102	24Alp Ser	2.6000	4250.0	72	42760	No
85	GOM_NL__2PRFIN20100505_074841_000000432089_00121_42760_7984.N1	05-MAY-2010 07:48:41	Bright	42.500	3	16Alp Boo	-0.050000	4250.0	85	42760	No
86	GOM_NL__2PRFIN20100505_075139_000000432089_00121_42760_7985.N1	05-MAY-2010 07:51:39	Bright	43.000	83		2.3780	11000.	86	42760	No
87	GOM_NL__2PRFIN20100505_075443_000000412089_00121_42760_7986.N1	05-MAY-2010 07:54:43	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42760	No
88	GOM_NL__2PRFIN20100505_080405_000000452089_00121_42760_7987.N1	05-MAY-2010 08:04:05	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42760	No
89	GOM_NL__2PRFIN20100505_081440_000000422089_00121_42760_7988.N1	05-MAY-2010 08:14:40	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42760	No
90	GOM_NL__2PRFIN20100505_082658_000000542089_00121_42760_7989.N1	05-MAY-2010 08:26:58	Twi_and_stray	53.500	93	53Bet Peg	2.5200	3100.0	107	42760	No
91	GOM_NL__2PRFIN20100505_083105_000000472089_00121_42760_7990.N1	05-MAY-2010 08:31:05	Dark	47.000	90	54Alp Peg	2.4870	11000.	94	42760	No
92	GOM_NL__2PRFIN20100505_083820_000000572089_00121_42760_7991.N1	05-MAY-2010 08:38:20	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	42760	No
93	GOM_NL__2PRFIN20100505_084232_000000492089_00121_42760_7992.N1	05-MAY-2010 08:42:32	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	42760	No
94	GOM_NL__2PRFIN20100505_084834_000000442089_00121_42760_7993.N1	05-MAY-2010 08:48:34	Dark	44.000	172	Gam Gru	3.0030	13100.	88	42760	No
95	GOM_NL__2PRFIN20100505_090432_000000652089_00122_42761_7985.N1	05-MAY-2010 09:04:32	Straylight	65.000	38	20Eps Sgr	1.8360	11000.	130	42761	No
96	GOM_NL__2PRFIN20100505_090654_000000592089_00122_42761_7986.N1	05-MAY-2010 09:06:54	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	42761	No
97	GOM_NL__2PRFIN20100505_090947_000000582089_00122_42761_7987.N1	05-MAY-2010 09:09:47	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42761	No
98	GOM_NL__2PRFIN20100505_091320_000000702089_00122_42761_7988.N1	05-MAY-2010 09:13:20	Twi_and_stray	69.500	16	21Alp Sco	1.0200	3000.0	139	42761	No
99	GOM_NL__2PRFIN20100505_091524_000000592089_00122_42761_7989.N1	05-MAY-2010 09:15:24	Twi_and_stray	58.500	80	7Del Sco	2.3160	30000.	117	42761	No
100	GOM_NL__2PRFIN20100505_091824_000000542089_00122_42761_7990.N1	05-MAY-2010 09:18:24	Bright	54.000	122	9Alp2Lib	2.7470	9700.0	108	42761	No
101	GOM_NL__2PRFIN20100505_092032_000000452089_00122_42761_7991.N1	05-MAY-2010 09:20:32	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42761	No

102	GOM_NL__2PRFIN20100505_092659_000000362089_00122_42761_7992.N1	05-MAY-2010 09:26:59	Twilight	36.000	102	24Alp Ser	2.6000	4250.0	72	42761	No
103	GOM_NL__2PRFIN20100505_092917_000000422089_00122_42761_7993.N1	05-MAY-2010 09:29:17	Bright	41.500	3	16Alp Boo	-0.050000	4250.0	83	42761	No
104	GOM_NL__2PRFIN20100505_093214_000000422089_00122_42761_7994.N1	05-MAY-2010 09:32:14	Bright	42.000	83		2.3780	11000.	84	42761	No
105	GOM_NL__2PRFIN20100505_093518_000000412089_00122_42761_7995.N1	05-MAY-2010 09:35:18	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42761	No
106	GOM_NL__2PRFIN20100505_094441_000000442089_00122_42761_7996.N1	05-MAY-2010 09:44:41	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42761	No
107	GOM_NL__2PRFIN20100505_095516_000000622089_00122_42761_7997.N1	05-MAY-2010 09:55:16	Bright	62.000	89	5Alp Cep	2.4510	8000.0	124	42761	No
108	GOM_NL__2PRFIN20100505_100734_000000602089_00122_42761_7998.N1	05-MAY-2010 10:07:34	Twilight	59.500	93	53Bet Peg	2.5200	3100.0	119	42761	No
109	GOM_NL__2PRFIN20100505_101141_000000472089_00122_42761_7999.N1	05-MAY-2010 10:11:41	Dark	46.500	90	54Alp Peg	2.4870	11000.	93	42761	No
110	GOM_NL__2PRFIN20100505_101857_000000582089_00122_42761_8000.N1	05-MAY-2010 10:18:57	Dark	58.000	162	34Alp Aqr	2.9440	5350.0	116	42761	No
111	GOM_NL__2PRFIN20100505_102310_000000492089_00122_42761_8001.N1	05-MAY-2010 10:23:10	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	42761	No
112	GOM_NL__2PRFIN20100505_102911_000000452089_00122_42761_8002.N1	05-MAY-2010 10:29:11	Dark	44.500	172	Gam Gru	3.0030	13100.	89	42761	No
113	GOM_NL__2PRFIN20100505_104510_000000682089_00123_42762_7996.N1	05-MAY-2010 10:45:10	Straylight	68.000	38	20Eps Sgr	1.8360	11000.	136	42762	No
114	GOM_NL__2PRFIN20100505_104731_000000592089_00123_42762_7997.N1	05-MAY-2010 10:47:31	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	42762	No
115	GOM_NL__2PRFIN20100505_105024_000000522089_00123_42762_7998.N1	05-MAY-2010 10:50:24	Straylight	51.500	75	26Eps Sco	2.2910	4250.0	103	42762	No
116	GOM_NL__2PRFIN20100505_105356_000000642089_00123_42762_7999.N1	05-MAY-2010 10:53:56	Twilight	64.000	16	21Alp Sco	1.0200	3000.0	128	42762	No
117	GOM_NL__2PRFIN20100505_105600_000000582089_00123_42762_8000.N1	05-MAY-2010 10:56:00	Twilight	58.000	80	7Del Sco	2.3160	30000.	116	42762	No
118	GOM_NL__2PRFIN20100505_105900_000000412089_00123_42762_8001.N1	05-MAY-2010 10:59:00	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	42762	No
119	GOM_NL__2PRFIN20100505_110108_000000452089_00123_42762_8002.N1	05-MAY-2010 11:01:08	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42762	No
120	GOM_NL__2PRFIN20100505_110735_000000432089_00123_42762_8003.N1	05-MAY-2010 11:07:35	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	42762	No
121	GOM_NL__2PRFIN20100505_110953_000000392089_00123_42762_8004.N1	05-MAY-2010 11:09:53	Bright	38.500	3	16Alp Boo	-0.050000	4250.0	77	42762	No
122	GOM_NL__2PRFIN20100505_111250_000000422089_00123_42762_8005.N1	05-MAY-2010 11:12:50	Bright	41.500	83		2.3780	11000.	83	42762	No
123	GOM_NL__2PRFIN20100505_111554_000000402089_00123_42762_8006.N1	05-MAY-2010 11:15:54	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42762	No
124	GOM_NL__2PRFIN20100505_112516_000000462089_00123_42762_8007.N1	05-MAY-2010 11:25:16	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	42762	No
125	GOM_NL__2PRFIN20100505_113552_000000452089_00123_42762_8008.N1	05-MAY-2010 11:35:52	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42762	No
126	GOM_NL__2PRFIN20100505_114810_000000522089_00123_42762_8009.N1	05-MAY-2010 11:48:10	Twilight	52.000	93	53Bet Peg	2.5200	3100.0	104	42762	No
127	GOM_NL__2PRFIN20100505_115217_000000492089_00123_42762_8010.N1	05-MAY-2010 11:52:17	Dark	48.500	90	54Alp Peg	2.4870	11000.	97	42762	No
128	GOM_NL__2PRFIN20100505_115934_000000582089_00123_42762_8011.N1	05-MAY-2010 11:59:34	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	42762	No
129	GOM_NL__2PRFIN20100505_120347_000000422089_00123_42762_8012.N1	05-MAY-2010 12:03:47	Dark	42.000	154	22Bet Aqr	2.8990	5700.0	84	42762	No
130	GOM_NL__2PRFIN20100505_120948_000000422089_00123_42762_8013.N1	05-MAY-2010 12:09:48	Dark	41.500	172	Gam Gru	3.0030	13100.	83	42762	No
131	GOM_NL__2PRFIN20100505_122547_000000672089_00124_42763_8027.N1	05-MAY-2010 12:25:47	Straylight	67.000	38	20Eps Sgr	1.8360	11000.	134	42763	No
132	GOM_NL__2PRFIN20100505_122808_000000592089_00124_42763_8028.N1	05-MAY-2010 12:28:08	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	42763	No
133	GOM_NL__2PRFIN20100505_123100_000000602089_00124_42763_8029.N1	05-MAY-2010 12:31:00	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42763	No
134	GOM_NL__2PRFIN20100505_123433_000000662089_00124_42763_8030.N1	05-MAY-2010 12:34:33	Twilight	66.000	16	21Alp Sco	1.0200	3000.0	132	42763	No
135	GOM_NL__2PRFIN20100505_123636_000000582089_00124_42763_8031.N1	05-MAY-2010 12:36:36	Twilight	57.500	80	7Del Sco	2.3160	30000.	115	42763	No
136	GOM_NL__2PRFIN20100505_123936_000000422089_00124_42763_8032.N1	05-MAY-2010 12:39:36	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	42763	No
137	GOM_NL__2PRFIN20100505_124144_000000462089_00124_42763_8033.N1	05-MAY-2010 12:41:44	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42763	No
138	GOM_NL__2PRFIN20100505_124810_000000432089_00124_42763_8034.N1	05-MAY-2010 12:48:10	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	42763	No
139	GOM_NL__2PRFIN20100505_125028_000000402089_00124_42763_8035.N1	05-MAY-2010 12:50:28	Bright	40.000	3	16Alp Boo	-0.050000	4250.0	80	42763	No
140	GOM_NL__2PRFIN20100505_125325_000000422089_00124_42763_8036.N1	05-MAY-2010 12:53:25	Bright	41.500	83		2.3780	11000.	83	42763	No
141	GOM_NL__2PRFIN20100505_125629_000000392089_00124_42763_8037.N1	05-MAY-2010 12:56:29	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	42763	No
142	GOM_NL__2PRFIN20100505_130551_000000442089_00124_42763_8038.N1	05-MAY-2010 13:05:51	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42763	No
143	GOM_NL__2PRFIN20100505_131627_000000422089_00124_42763_8039.N1	05-MAY-2010 13:16:27	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42763	No
144	GOM_NL__2PRFIN20100505_132847_000000502089_00124_42763_8040.N1	05-MAY-2010 13:28:47	Twilight	50.000	93	53Bet Peg	2.5200	3100.0	100	42763	No
145	GOM_NL__2PRFIN20100505_133254_000000472089_00124_42763_8041.N1	05-MAY-2010 13:32:54	Dark	46.500	90	54Alp Peg	2.4870	11000.	93	42763	No
146	GOM_NL__2PRFIN20100505_134011_000000582089_00124_42763_8042.N1	05-MAY-2010 13:40:11	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	42763	No
147	GOM_NL__2PRFIN20100505_134425_000000422089_00124_42763_8043.N1	05-MAY-2010 13:44:25	Dark	42.000	154	22Bet Aqr	2.8990	5700.0	84	42763	No
148	GOM_NL__2PRFIN20100505_135025_000000412089_00124_42763_8044.N1	05-MAY-2010 13:50:25	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42763	No
149	GOM_NL__2PRFIN20100505_140624_000000682089_00125_42764_8035.N1	05-MAY-2010 14:06:24	Straylight	67.500	38	20Eps Sgr	1.8360	11000.	135	42764	No
150	GOM_NL__2PRFIN20100505_140844_000000582089_00125_42764_8036.N1	05-MAY-2010 14:08:44	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	42764	No
151	GOM_NL__2PRFIN20100505_141137_000000572089_00125_42764_8037.N1	05-MAY-2010 14:11:37	Straylight	56.500	75	26Eps Sco	2.2910	4250.0	113	42764	No
152	GOM_NL__2PRFIN20100505_141509_000000702089_00125_42764_8038.N1	05-MAY-2010 14:15:09	Twilight	69.500	16	21Alp Sco	1.0200	3000.0	139	42764	No
153	GOM_NL__2PRFIN20100505_141713_000000562089_00125_42764_8039.N1	05-MAY-2010 14:17:13	Twilight	55.500	80	7Del Sco	2.3160	30000.	111	42764	No
154	GOM_NL__2PRFIN20100505_142011_000000432089_00125_42764_8040.N1	05-MAY-2010 14:20:11	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	42764	No
155	GOM_NL__2PRFIN20100505_142220_000000452089_00125_42764_8041.N1	05-MAY-2010 14:22:20	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	42764	No
156	GOM_NL__2PRFIN20100505_142845_000000492089_00125_42764_8042.N1	05-MAY-2010 14:28:45	Bright	49.000	102	24Alp Ser	2.6000	4250.0	98	42764	No
157	GOM_NL__2PRFIN20100505_143104_000000392089_00125_42764_8043.N1	05-MAY-2010 14:31:04	Bright	38.500	3	16Alp Boo	-0.050000	4250.0	77	42764	No
158	GOM_NL__2PRFIN20100505_143401_000000432089_00125_42764_8044.N1	05-MAY-2010 14:34:01	Bright	42.500	83		2.3780	11000.	85	42764	No
159	GOM_NL__2PRFIN20100505_143705_000000402089_00125_42764_8045.N1	05-MAY-2010 14:37:05	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42764	No
160	GOM_NL__2PRFIN20100505_144627_000000642089_00125_42764_8046.N1	05-MAY-2010 14:46:27	Bright	64.000	119	14Eta Dra	2.7270	4700.0	128	42764	No

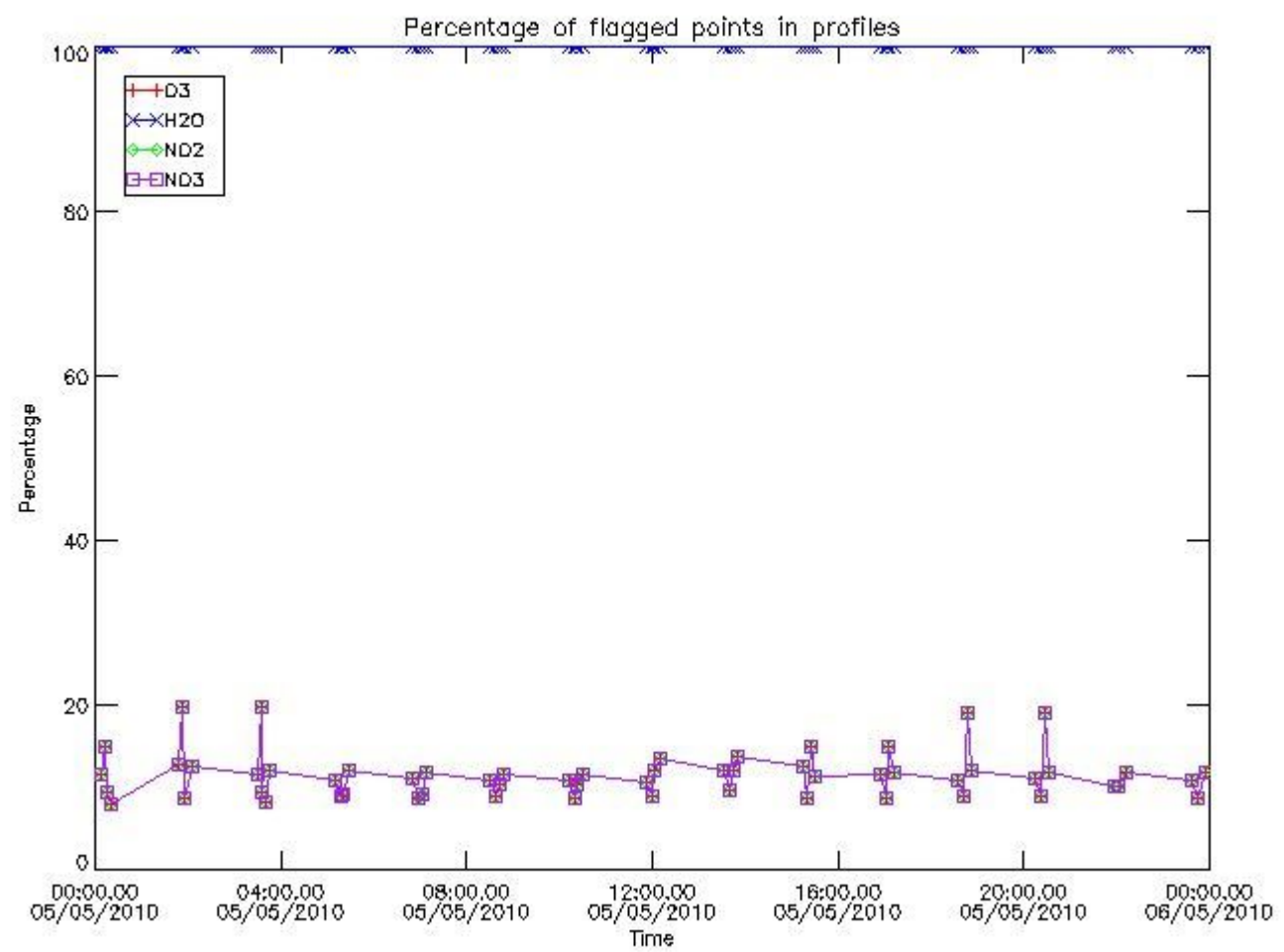
161	GOM_NL__2PRFIN20100505_145703_00000442089_00125_42764_8047.N1	05-MAY-2010 14:57:03	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42764	No
162	GOM_NL__2PRFIN20100505_150923_00000532089_00125_42764_8048.N1	05-MAY-2010 15:09:23	Twi_and_stray	52.500	93	53Bet Peg	2.5200	3100.0	105	42764	No
163	GOM_NL__2PRFIN20100505_151330_00000452089_00125_42764_8049.N1	05-MAY-2010 15:13:30	Dark	45.000	90	54Alp Peg	2.4870	11000.	90	42764	No
164	GOM_NL__2PRFIN20100505_152048_00000582089_00125_42764_8050.N1	05-MAY-2010 15:20:48	Dark	58.000	162	34Alp Aqr	2.9440	5350.0	116	42764	No
165	GOM_NL__2PRFIN20100505_152502_00000342089_00125_42764_8051.N1	05-MAY-2010 15:25:02	Dark	34.000	154	22Bet Aqr	2.8990	5700.0	68	42764	No
166	GOM_NL__2PRFIN20100505_153101_00000452089_00125_42764_8052.N1	05-MAY-2010 15:31:01	Dark	45.000	172	Gam Gru	3.0030	13100.	90	42764	No
167	GOM_NL__2PRFIN20100505_154701_00000662089_00126_42765_8043.N1	05-MAY-2010 15:47:01	Straylight	65.500	38	20Eps Sgr	1.8360	11000.	131	42765	No
168	GOM_NL__2PRFIN20100505_154921_00000562089_00126_42765_8044.N1	05-MAY-2010 15:49:21	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	42765	No
169	GOM_NL__2PRFIN20100505_155213_00000602089_00126_42765_8045.N1	05-MAY-2010 15:52:13	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	42765	No
170	GOM_NL__2PRFIN20100505_155546_00000712089_00126_42765_8046.N1	05-MAY-2010 15:55:46	Twi_and_stray	71.000	16	21Alp Sco	1.0200	3000.0	142	42765	No
171	GOM_NL__2PRFIN20100505_155749_00000542089_00126_42765_8047.N1	05-MAY-2010 15:57:49	Twi_and_stray	53.500	80	7Del Sco	2.3160	30000.	107	42765	No
172	GOM_NL__2PRFIN20100505_160048_00000422089_00126_42765_8048.N1	05-MAY-2010 16:00:48	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42765	No
173	GOM_NL__2PRFIN20100505_160256_00000462089_00126_42765_8049.N1	05-MAY-2010 16:02:56	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42765	No
174	GOM_NL__2PRFIN20100505_160921_00000492089_00126_42765_8050.N1	05-MAY-2010 16:09:21	Bright	49.000	102	24Alp Ser	2.6000	4250.0	98	42765	No
175	GOM_NL__2PRFIN20100505_161140_00000392089_00126_42765_8051.N1	05-MAY-2010 16:11:40	Bright	39.000	3	16Alp Boo	-0.050000	4250.0	78	42765	No
176	GOM_NL__2PRFIN20100505_161436_00000452089_00126_42765_8052.N1	05-MAY-2010 16:14:36	Bright	45.000	83		2.3780	11000.	90	42765	No
177	GOM_NL__2PRFIN20100505_161740_00000412089_00126_42765_8053.N1	05-MAY-2010 16:17:40	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42765	No
178	GOM_NL__2PRFIN20100505_162702_00000432089_00126_42765_8054.N1	05-MAY-2010 16:27:02	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	42765	No
179	GOM_NL__2PRFIN20100505_163738_00000432089_00126_42765_8055.N1	05-MAY-2010 16:37:38	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42765	No
180	GOM_NL__2PRFIN20100505_164959_00000532089_00126_42765_8056.N1	05-MAY-2010 16:49:59	Twi_and_stray	52.500	93	53Bet Peg	2.5200	3100.0	105	42765	No
181	GOM_NL__2PRFIN20100505_165406_00000452089_00126_42765_8057.N1	05-MAY-2010 16:54:06	Dark	44.500	90	54Alp Peg	2.4870	11000.	89	42765	No
182	GOM_NL__2PRFIN20100505_170125_00000592089_00126_42765_8058.N1	05-MAY-2010 17:01:25	Dark	59.000	162	34Alp Aqr	2.9440	5350.0	118	42765	No
183	GOM_NL__2PRFIN20100505_170540_00000342089_00126_42765_8059.N1	05-MAY-2010 17:05:40	Dark	34.000	154	22Bet Aqr	2.8990	5700.0	68	42765	No
184	GOM_NL__2PRFIN20100505_171138_00000432089_00126_42765_8060.N1	05-MAY-2010 17:11:38	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42765	No
185	GOM_NL__2PRFIN20100505_172739_00000672089_00127_42766_8051.N1	05-MAY-2010 17:27:39	Straylight	67.000	38	20Eps Sgr	1.8360	11000.	134	42766	No
186	GOM_NL__2PRFIN20100505_172958_00000582089_00127_42766_8052.N1	05-MAY-2010 17:29:58	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42766	No
187	GOM_NL__2PRFIN20100505_173250_00000592089_00127_42766_8053.N1	05-MAY-2010 17:32:50	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	42766	No
188	GOM_NL__2PRFIN20100505_173622_00000692089_00127_42766_8054.N1	05-MAY-2010 17:36:22	Twi_and_stray	69.000	16	21Alp Sco	1.0200	3000.0	138	42766	No
189	GOM_NL__2PRFIN20100505_173825_00000602089_00127_42766_8055.N1	05-MAY-2010 17:38:25	Twi_and_stray	59.500	80	7Del Sco	2.3160	30000.	119	42766	No
190	GOM_NL__2PRFIN20100505_174124_00000422089_00127_42766_8056.N1	05-MAY-2010 17:41:24	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	42766	No
191	GOM_NL__2PRFIN20100505_174332_00000462089_00127_42766_8057.N1	05-MAY-2010 17:43:32	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42766	No
192	GOM_NL__2PRFIN20100505_174956_00000562089_00127_42766_8058.N1	05-MAY-2010 17:49:56	Bright	55.500	102	24Alp Ser	2.6000	4250.0	111	42766	No
193	GOM_NL__2PRFIN20100505_175216_00000422089_00127_42766_8059.N1	05-MAY-2010 17:52:16	Bright	42.000	3	16Alp Boo	-0.050000	4250.0	84	42766	No
194	GOM_NL__2PRFIN20100505_175512_00000432089_00127_42766_8060.N1	05-MAY-2010 17:55:12	Bright	43.000	83		2.3780	11000.	86	42766	No
195	GOM_NL__2PRFIN20100505_175816_00000412089_00127_42766_8061.N1	05-MAY-2010 17:58:16	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42766	No
196	GOM_NL__2PRFIN20100505_180737_00000452089_00127_42766_8062.N1	05-MAY-2010 18:07:37	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42766	No
197	GOM_NL__2PRFIN20100505_181814_00000452089_00127_42766_8063.N1	05-MAY-2010 18:18:14	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42766	No
198	GOM_NL__2PRFIN20100505_183035_00000522089_00127_42766_8064.N1	05-MAY-2010 18:30:35	Twi_and_stray	52.000	93	53Bet Peg	2.5200	3100.0	104	42766	No
199	GOM_NL__2PRFIN20100505_183442_00000482089_00127_42766_8065.N1	05-MAY-2010 18:34:42	Dark	47.500	90	54Alp Peg	2.4870	11000.	95	42766	No
200	GOM_NL__2PRFIN20100505_184202_00000572089_00127_42766_8066.N1	05-MAY-2010 18:42:02	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	42766	No
201	GOM_NL__2PRFIN20100505_184617_00000272089_00127_42766_8067.N1	05-MAY-2010 18:46:17	Dark	27.000	154	22Bet Aqr	2.8990	5700.0	54	42766	No
202	GOM_NL__2PRFIN20100505_185215_00000432089_00127_42766_8068.N1	05-MAY-2010 18:52:15	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42766	No
203	GOM_NL__2PRFIN20100505_190816_00000692089_00128_42767_8059.N1	05-MAY-2010 19:08:16	Straylight	68.500	38	20Eps Sgr	1.8360	11000.	137	42767	No
204	GOM_NL__2PRFIN20100505_191035_00000592089_00128_42767_8060.N1	05-MAY-2010 19:10:35	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	42767	No
205	GOM_NL__2PRFIN20100505_191327_00000582089_00128_42767_8061.N1	05-MAY-2010 19:13:27	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	42767	No
206	GOM_NL__2PRFIN20100505_191658_00000652089_00128_42767_8062.N1	05-MAY-2010 19:16:58	Twi_and_stray	64.500	16	21Alp Sco	1.0200	3000.0	129	42767	No
207	GOM_NL__2PRFIN20100505_191901_00000572089_00128_42767_8063.N1	05-MAY-2010 19:19:01	Twi_and_stray	56.500	80	7Del Sco	2.3160	30000.	113	42767	No
208	GOM_NL__2PRFIN20100505_192200_00000402089_00128_42767_8064.N1	05-MAY-2010 19:22:00	Bright	39.500	122	9Alp2Lib	2.7470	9700.0	79	42767	No
209	GOM_NL__2PRFIN20100505_192408_00000452089_00128_42767_8065.N1	05-MAY-2010 19:24:08	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42767	No
210	GOM_NL__2PRFIN20100505_193031_00000542089_00128_42767_8066.N1	05-MAY-2010 19:30:31	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	42767	No
211	GOM_NL__2PRFIN20100505_193252_00000402089_00128_42767_8067.N1	05-MAY-2010 19:32:52	Bright	40.000	3	16Alp Boo	-0.050000	4250.0	80	42767	No
212	GOM_NL__2PRFIN20100505_193548_00000462089_00128_42767_8068.N1	05-MAY-2010 19:35:48	Bright	45.500	83		2.3780	11000.	91	42767	No
213	GOM_NL__2PRFIN20100505_193851_00000402089_00128_42767_8069.N1	05-MAY-2010 19:38:51	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	42767	No
214	GOM_NL__2PRFIN20100505_194813_00000442089_00128_42767_8070.N1	05-MAY-2010 19:48:13	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42767	No
215	GOM_NL__2PRFIN20100505_195850_00000442089_00128_42767_8071.N1	05-MAY-2010 19:58:50	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42767	No
216	GOM_NL__2PRFIN20100505_201111_00000502089_00128_42767_8072.N1	05-MAY-2010 20:11:11	Twi_and_stray	49.500	93	53Bet Peg	2.5200	3100.0	99	42767	No
217	GOM_NL__2PRFIN20100505_201519_00000462089_00128_42767_8073.N1	05-MAY-2010 20:15:19	Dark	45.500	90	54Alp Peg	2.4870	11000.	91	42767	No
218	GOM_NL__2PRFIN20100505_202239_00000582089_00128_42767_8074.N1	05-MAY-2010 20:22:39	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	42767	No
219	GOM_NL__2PRFIN20100505_202655_00000272089_00128_42767_8075.N1	05-MAY-2010 20:26:55	Dark	27.000	154	22Bet Aqr	2.8990	5700.0	54	42767	No

220	GOM_NL__2PRFIN20100505_203252_000000432089_00128_42767_8076.N1	05-MAY-2010 20:32:52	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42767	No
221	GOM_NL__2PRFIN20100505_204853_000000712089_00129_42768_8067.N1	05-MAY-2010 20:48:53	Straylight	70.500	38	20Eps Sgr	1.8360	11000.	141	42768	No
222	GOM_NL__2PRFIN20100505_205112_000000582089_00129_42768_8068.N1	05-MAY-2010 20:51:12	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	42768	No
223	GOM_NL__2PRFIN20100505_205403_000000562089_00129_42768_8069.N1	05-MAY-2010 20:54:03	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	42768	No
224	GOM_NL__2PRFIN20100505_205735_000000622089_00129_42768_8070.N1	05-MAY-2010 20:57:35	Tw_i_and_stray	62.000	16	21Alp Sco	1.0200	3000.0	124	42768	No
225	GOM_NL__2PRFIN20100505_205937_000000592089_00129_42768_8071.N1	05-MAY-2010 20:59:37	Tw_i_and_stray	59.000	80	7Del Sco	2.3160	30000.	118	42768	No
226	GOM_NL__2PRFIN20100505_210236_000000472089_00129_42768_8072.N1	05-MAY-2010 21:02:36	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	42768	No
227	GOM_NL__2PRFIN20100505_210444_000000462089_00129_42768_8073.N1	05-MAY-2010 21:04:44	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	42768	No
228	GOM_NL__2PRFIN20100505_211107_000000552089_00129_42768_8074.N1	05-MAY-2010 21:11:07	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	42768	No
229	GOM_NL__2PRFIN20100505_211327_000000382089_00129_42768_8075.N1	05-MAY-2010 21:13:27	Bright	38.000	3	16Alp Boo	-0.050000	4250.0	76	42768	No
230	GOM_NL__2PRFIN20100505_211623_000000422089_00129_42768_8076.N1	05-MAY-2010 21:16:23	Bright	42.000	83		2.3780	11000.	84	42768	No
231	GOM_NL__2PRFIN20100505_211927_000000412089_00129_42768_8077.N1	05-MAY-2010 21:19:27	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42768	No
232	GOM_NL__2PRFIN20100505_212848_000000442089_00129_42768_8078.N1	05-MAY-2010 21:28:48	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42768	No
233	GOM_NL__2PRFIN20100505_213925_000000402089_00129_42768_8079.N1	05-MAY-2010 21:39:25	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42768	No
234	GOM_NL__2PRFIN20100505_215147_000000542089_00129_42768_8080.N1	05-MAY-2010 21:51:47	Tw_i_and_stray	53.500	93	53Bet Peg	2.5200	3100.0	107	42768	No
235	GOM_NL__2PRFIN20100505_215555_000000502089_00129_42768_8081.N1	05-MAY-2010 21:55:55	Dark	50.000	90	54Alp Peg	2.4870	11000.	100	42768	No
236	GOM_NL__2PRFIN20100505_220316_000000612089_00129_42768_8082.N1	05-MAY-2010 22:03:16	Dark	61.000	162	34Alp Aqr	2.9440	5350.0	122	42768	No
237	GOM_NL__2PRFIN20100505_221328_000000442089_00129_42768_8083.N1	05-MAY-2010 22:13:28	Dark	43.500	172	Gam Gru	3.0030	13100.	87	42768	No
238	GOM_NL__2PRFIN20100505_222930_000000652089_00130_42769_8075.N1	05-MAY-2010 22:29:30	Straylight	65.000	38	20Eps Sgr	1.8360	11000.	130	42769	No
239	GOM_NL__2PRFIN20100505_223148_000000562089_00130_42769_8076.N1	05-MAY-2010 22:31:48	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	42769	No
240	GOM_NL__2PRFIN20100505_223440_000000582089_00130_42769_8077.N1	05-MAY-2010 22:34:40	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42769	No
241	GOM_NL__2PRFIN20100505_223811_000000752089_00130_42769_8078.N1	05-MAY-2010 22:38:11	Tw_i_and_stray	74.500	16	21Alp Sco	1.0200	3000.0	149	42769	No
242	GOM_NL__2PRFIN20100505_224014_000000612089_00130_42769_8079.N1	05-MAY-2010 22:40:14	Tw_i_and_stray	60.500	80	7Del Sco	2.3160	30000.	121	42769	No
243	GOM_NL__2PRFIN20100505_224312_000000412089_00130_42769_8080.N1	05-MAY-2010 22:43:12	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	42769	No
244	GOM_NL__2PRFIN20100505_224520_000000452089_00130_42769_8081.N1	05-MAY-2010 22:45:20	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	42769	No
245	GOM_NL__2PRFIN20100505_225142_000000562089_00130_42769_8082.N1	05-MAY-2010 22:51:42	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	42769	No
246	GOM_NL__2PRFIN20100505_225403_000000412089_00130_42769_8083.N1	05-MAY-2010 22:54:03	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	42769	No
247	GOM_NL__2PRFIN20100505_225659_000000462089_00130_42769_8084.N1	05-MAY-2010 22:56:59	Bright	45.500	83		2.3780	11000.	91	42769	No
248	GOM_NL__2PRFIN20100505_230003_000000402089_00130_42769_8085.N1	05-MAY-2010 23:00:03	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	42769	No
249	GOM_NL__2PRFIN20100505_230923_000000442089_00130_42769_8086.N1	05-MAY-2010 23:09:23	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42769	No
250	GOM_NL__2PRFIN20100505_232000_000000452089_00130_42769_8087.N1	05-MAY-2010 23:20:00	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42769	No
251	GOM_NL__2PRFIN20100505_233223_000000522089_00130_42769_8088.N1	05-MAY-2010 23:32:23	Tw_i_and_stray	51.500	93	53Bet Peg	2.5200	3100.0	103	42769	No
252	GOM_NL__2PRFIN20100505_233631_000000482089_00130_42769_8089.N1	05-MAY-2010 23:36:31	Dark	47.500	90	54Alp Peg	2.4870	11000.	95	42769	No
253	GOM_NL__2PRFIN20100505_234353_000000592089_00130_42769_8090.N1	05-MAY-2010 23:43:53	Dark	58.500	162	34Alp Aqr	2.9440	5350.0	117	42769	No
254	GOM_NL__2PRFIN20100505_235405_000000432089_00130_42769_8091.N1	05-MAY-2010 23:54:05	Dark	43.000	172	Gam Gru	3.0030	13100.	86	42769	No

3. Quality information per product

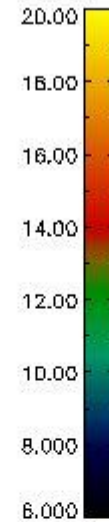
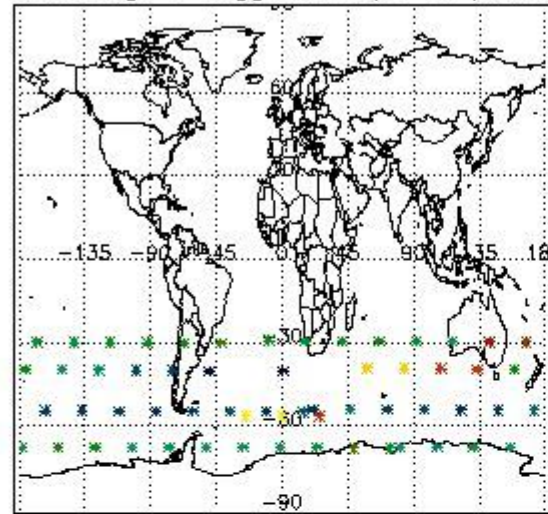
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

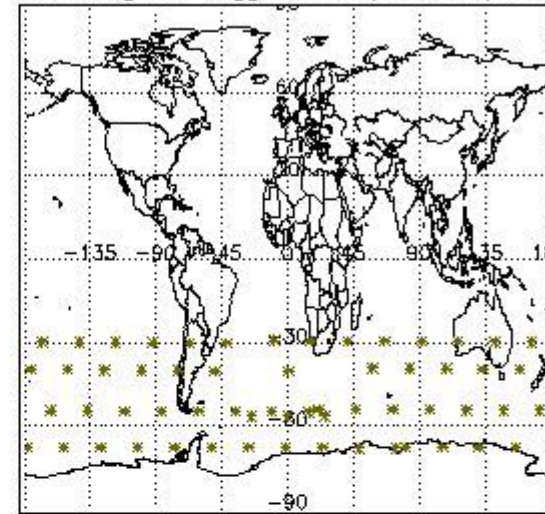


3.2 Plot quality information per product (world map)

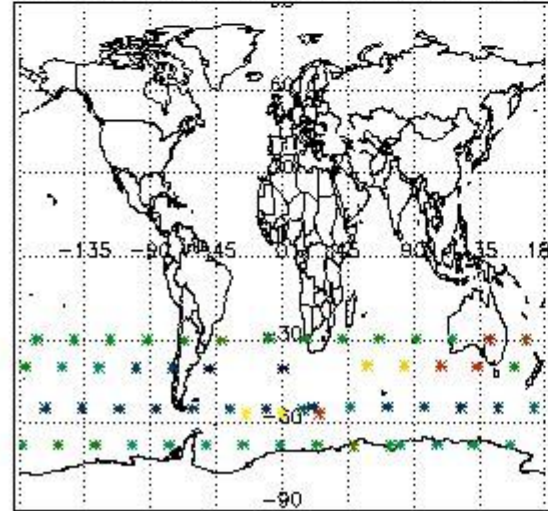
Percentage of flagged data per O3 profile



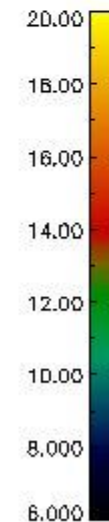
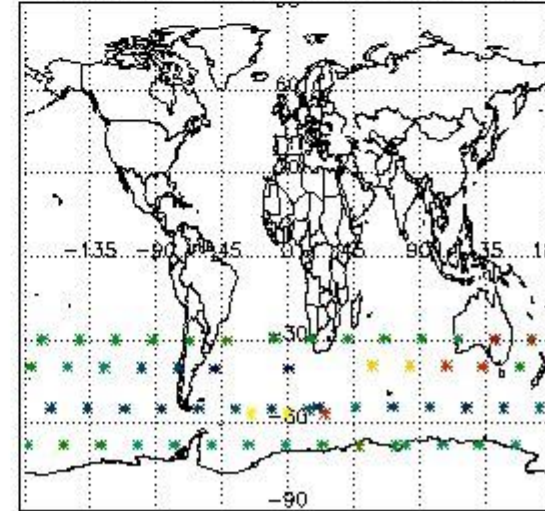
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

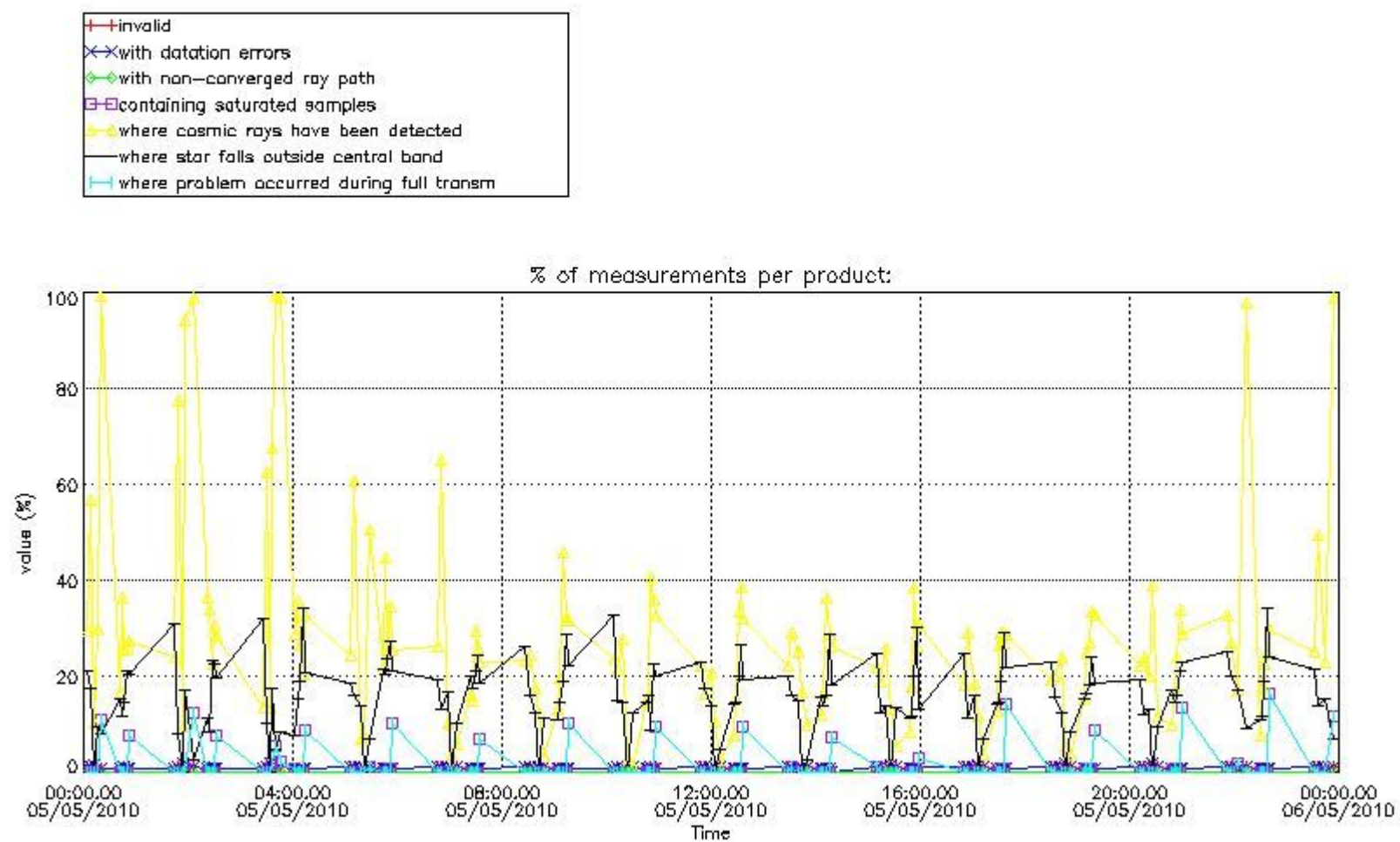


4. Level 1 quality information per product

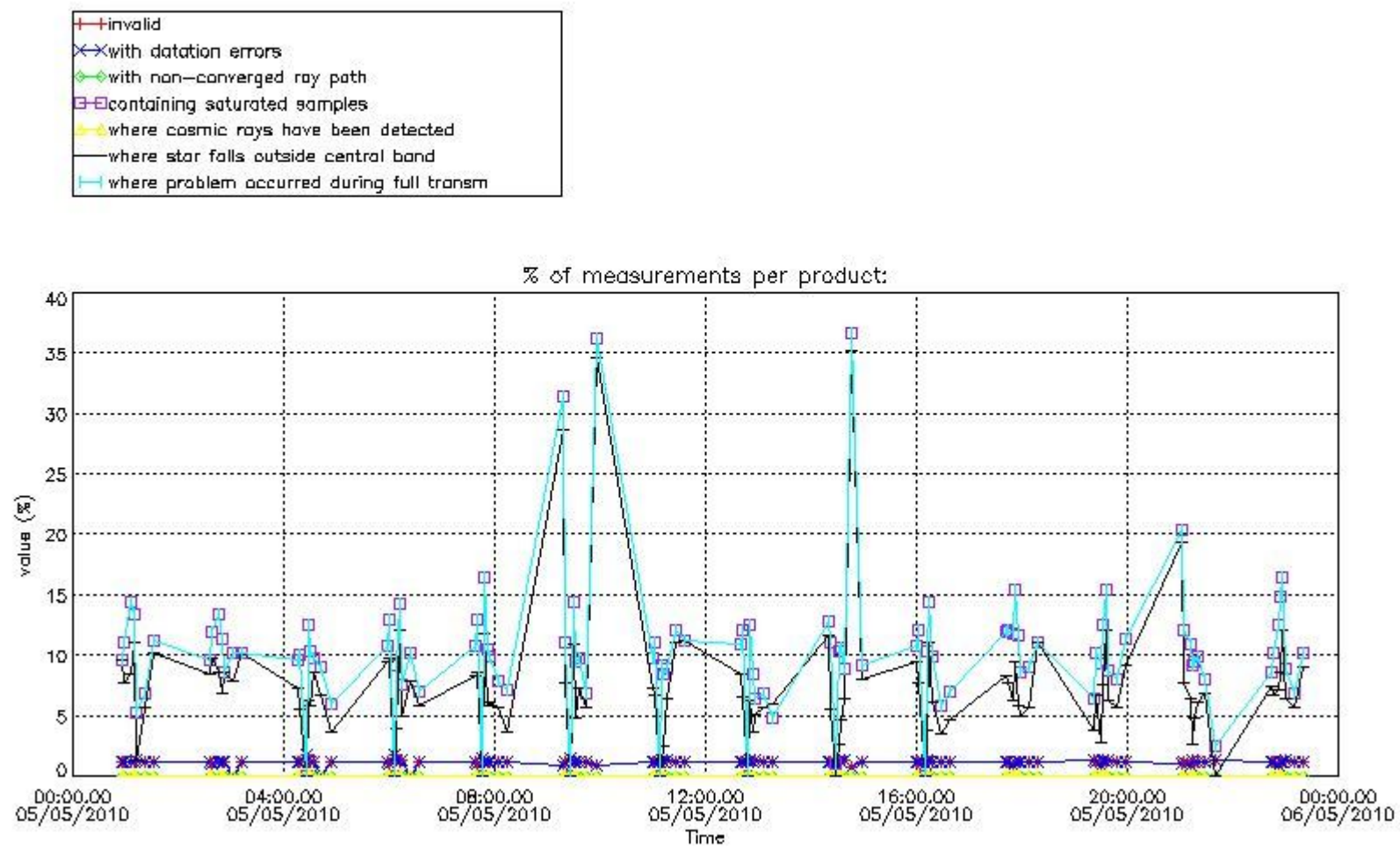
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



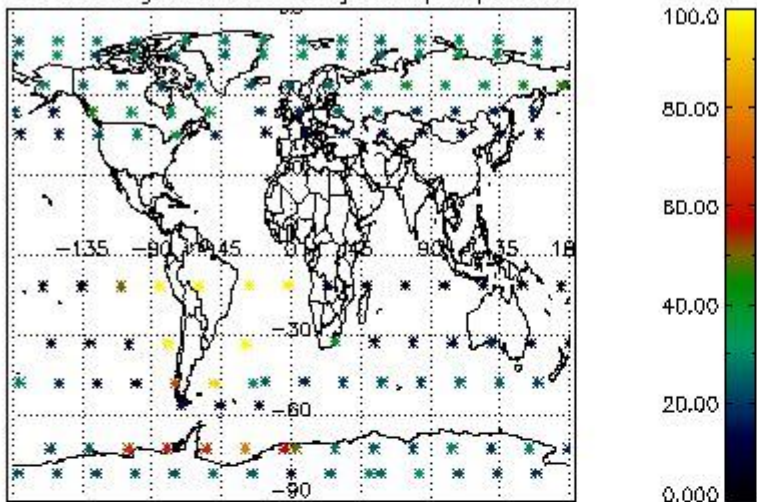
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



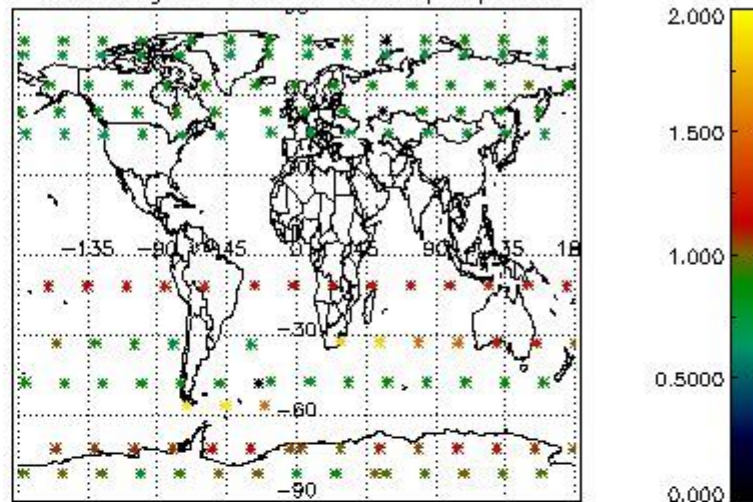
4.2 Plot quality information per product coming from level 1b processing (world map)

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

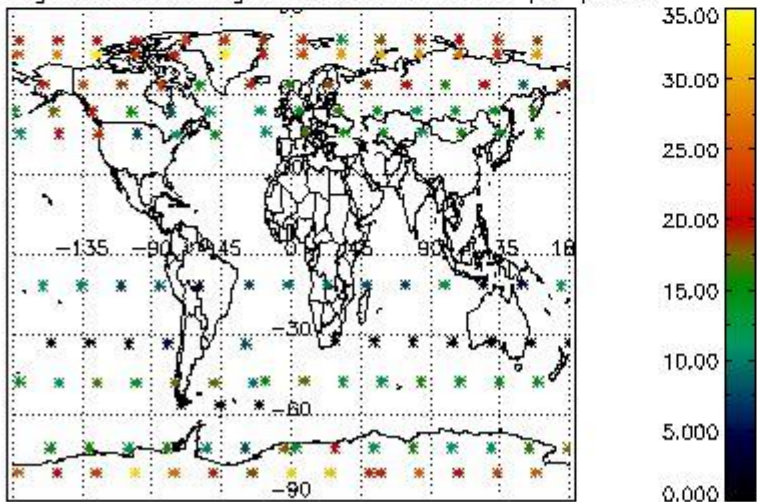
Percentage of cosmic ray hits per profile



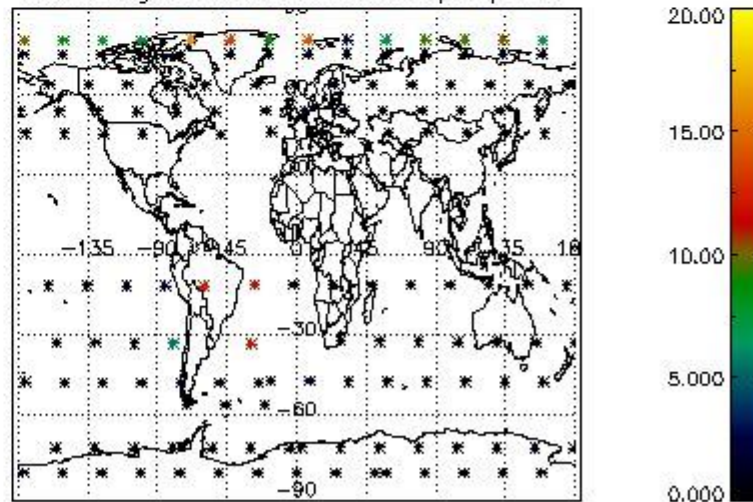
Percentage of datation errors per profile



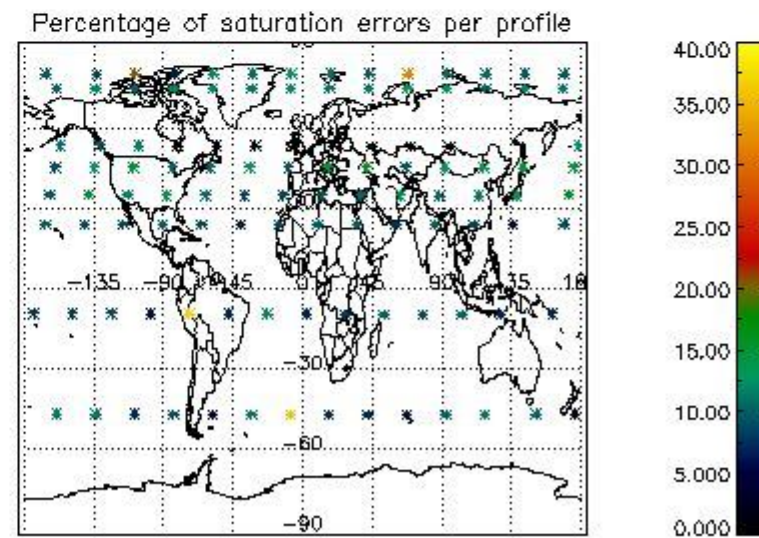
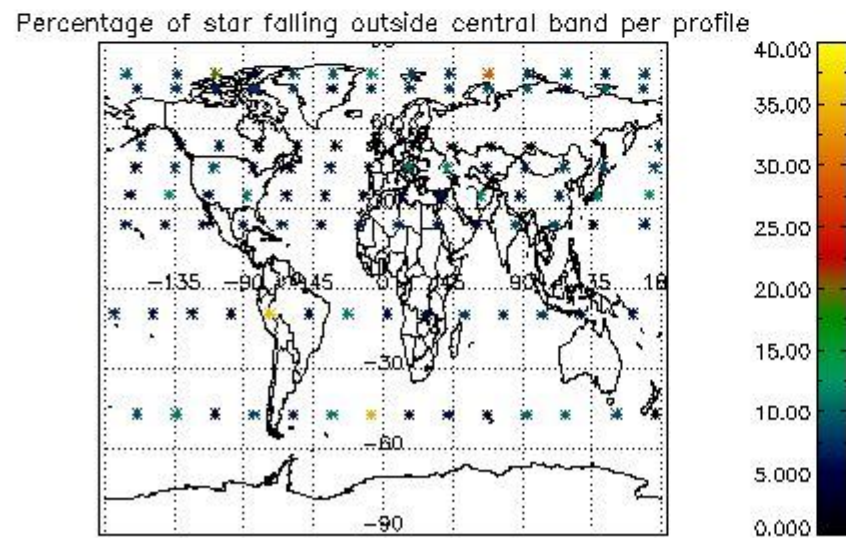
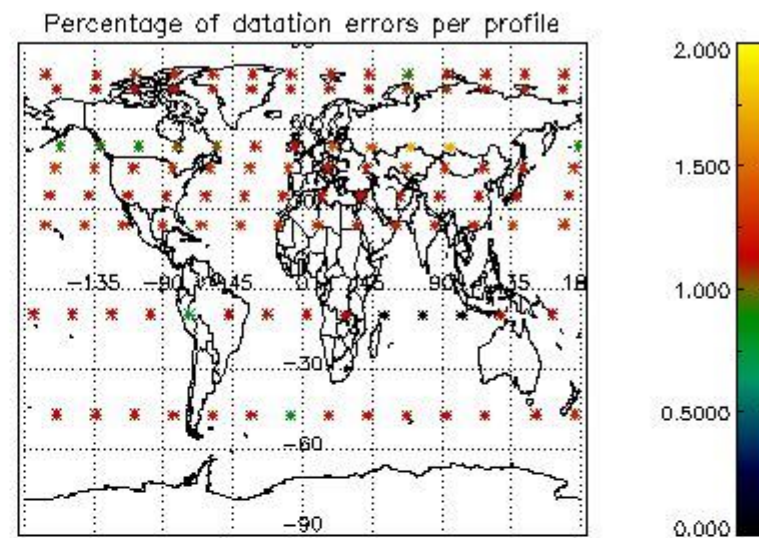
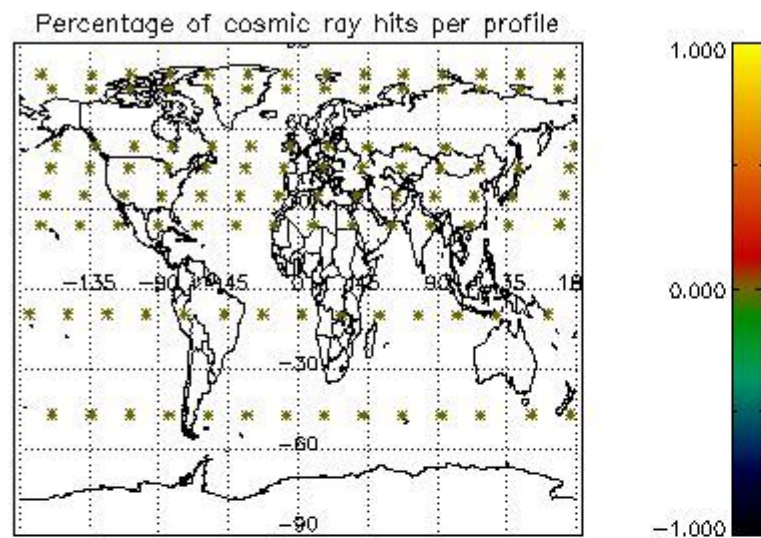
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

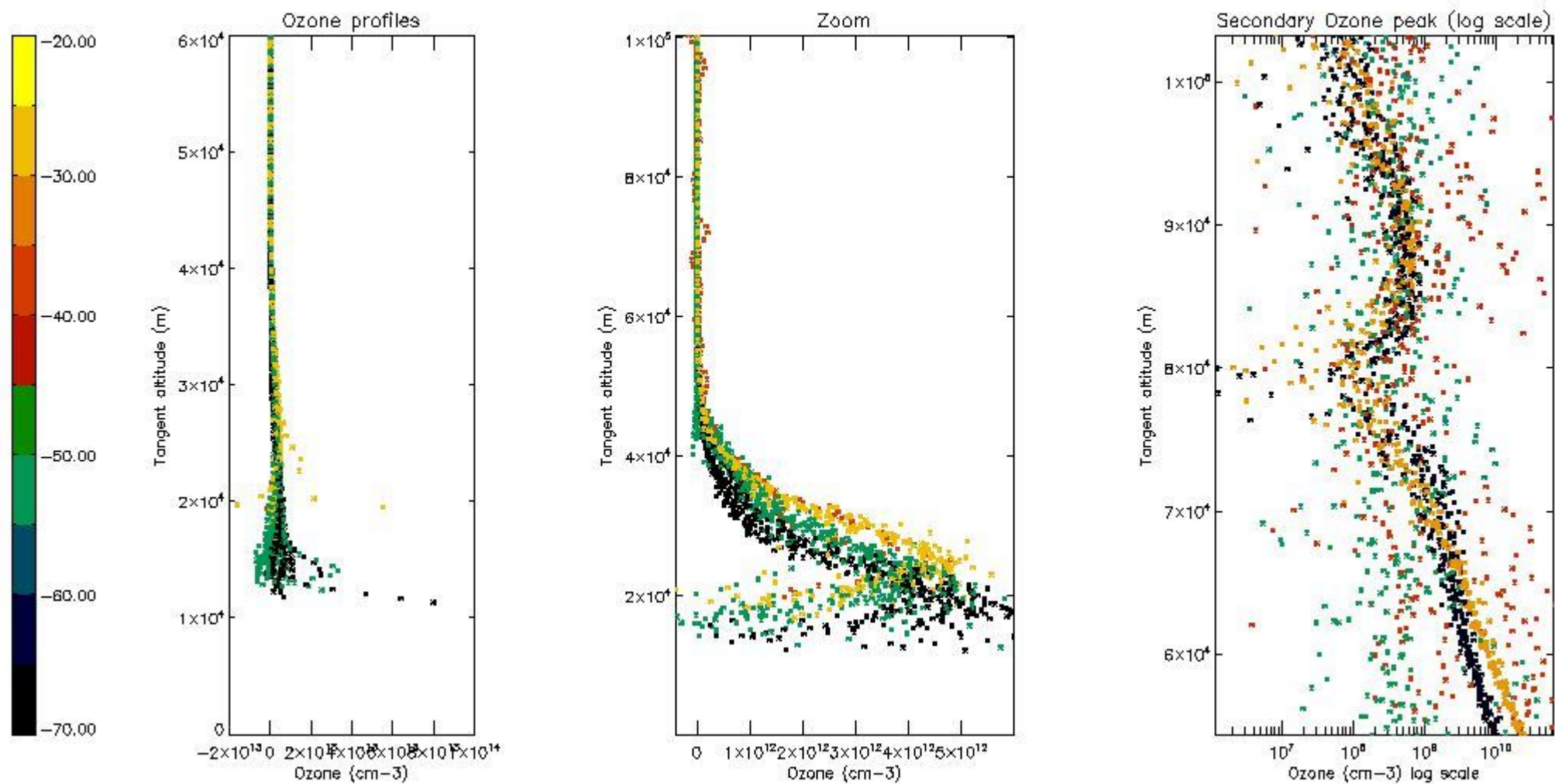
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	7

STD < 10	4
STD < 5	0

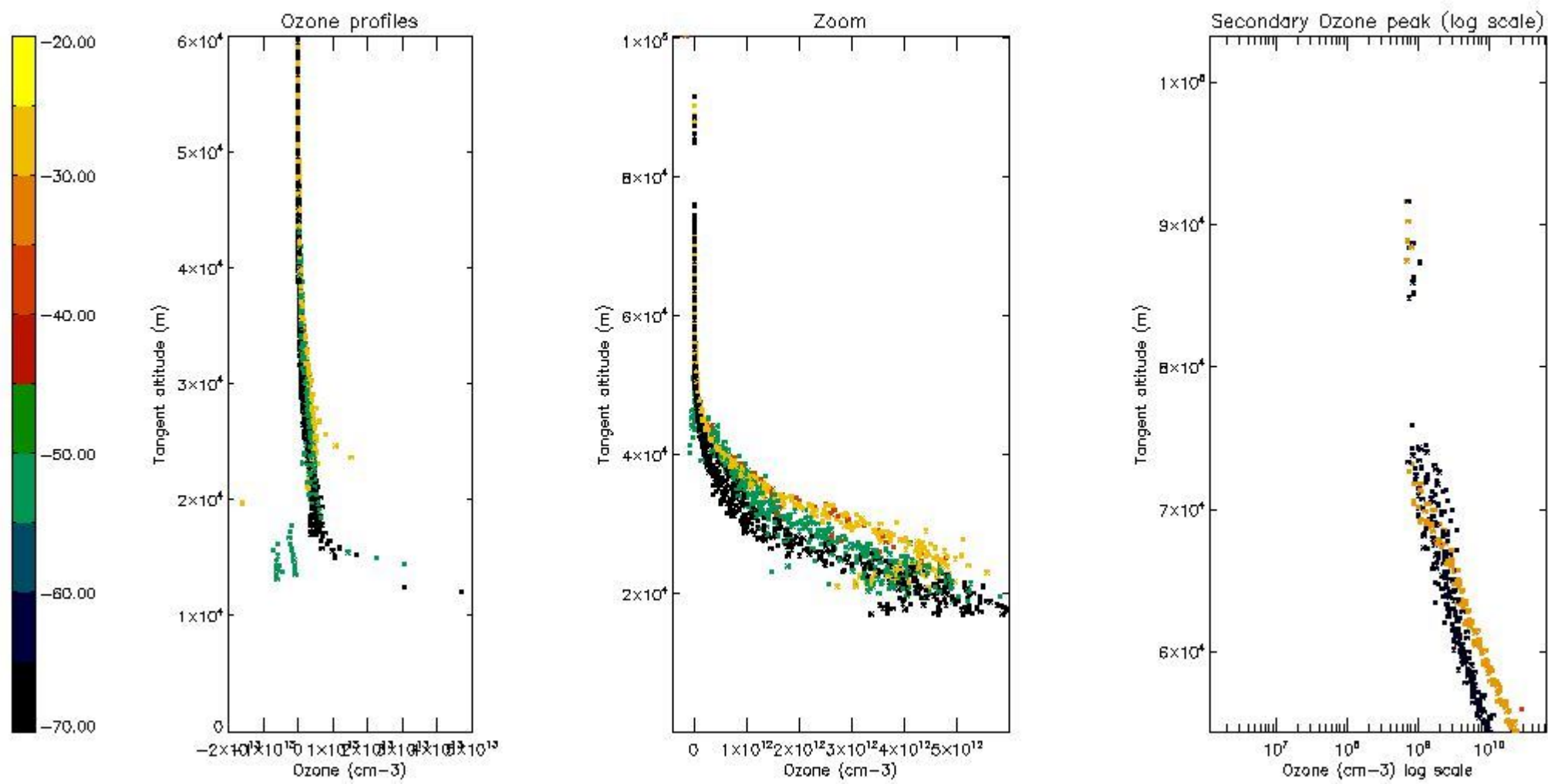
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



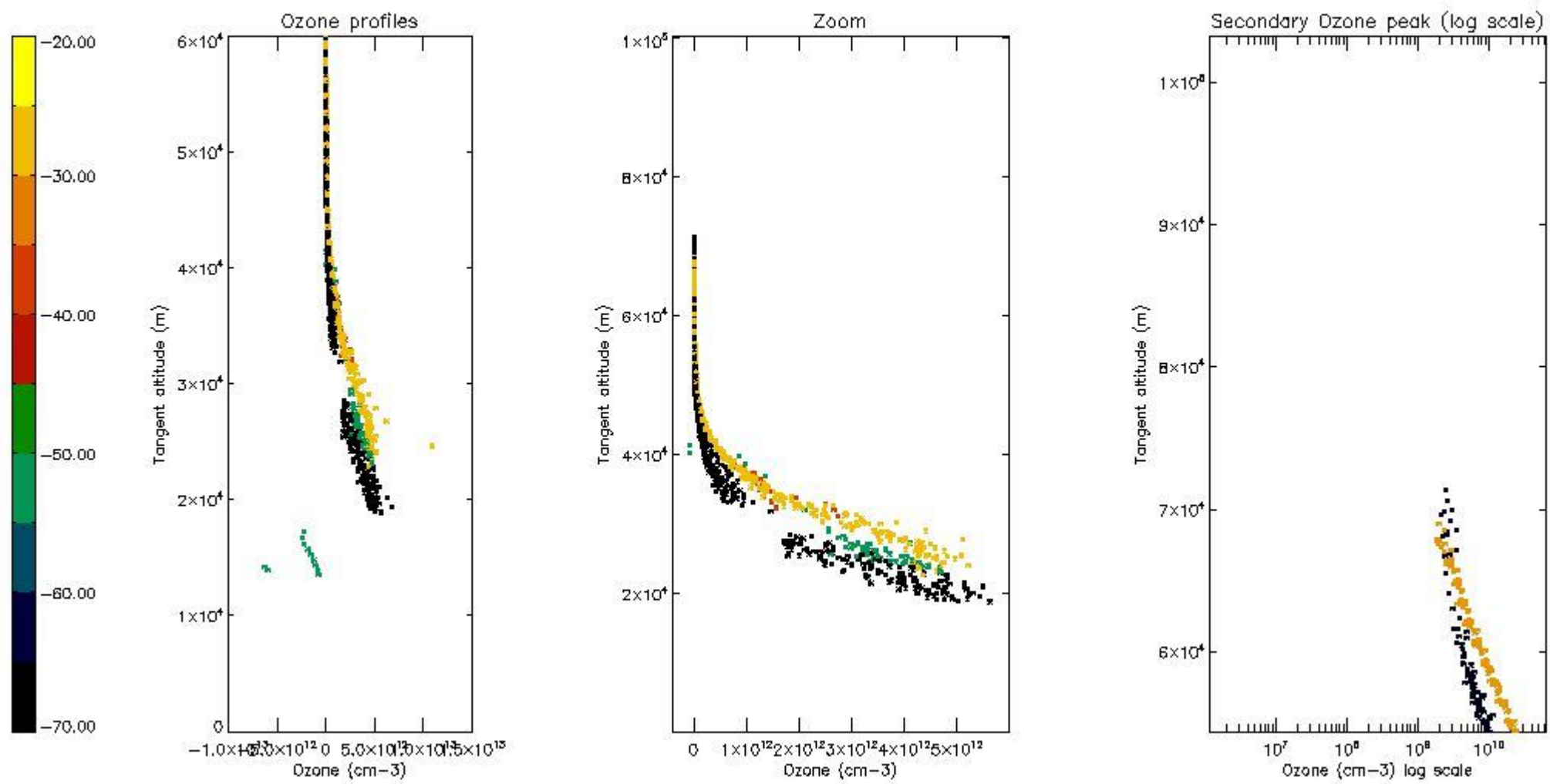
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



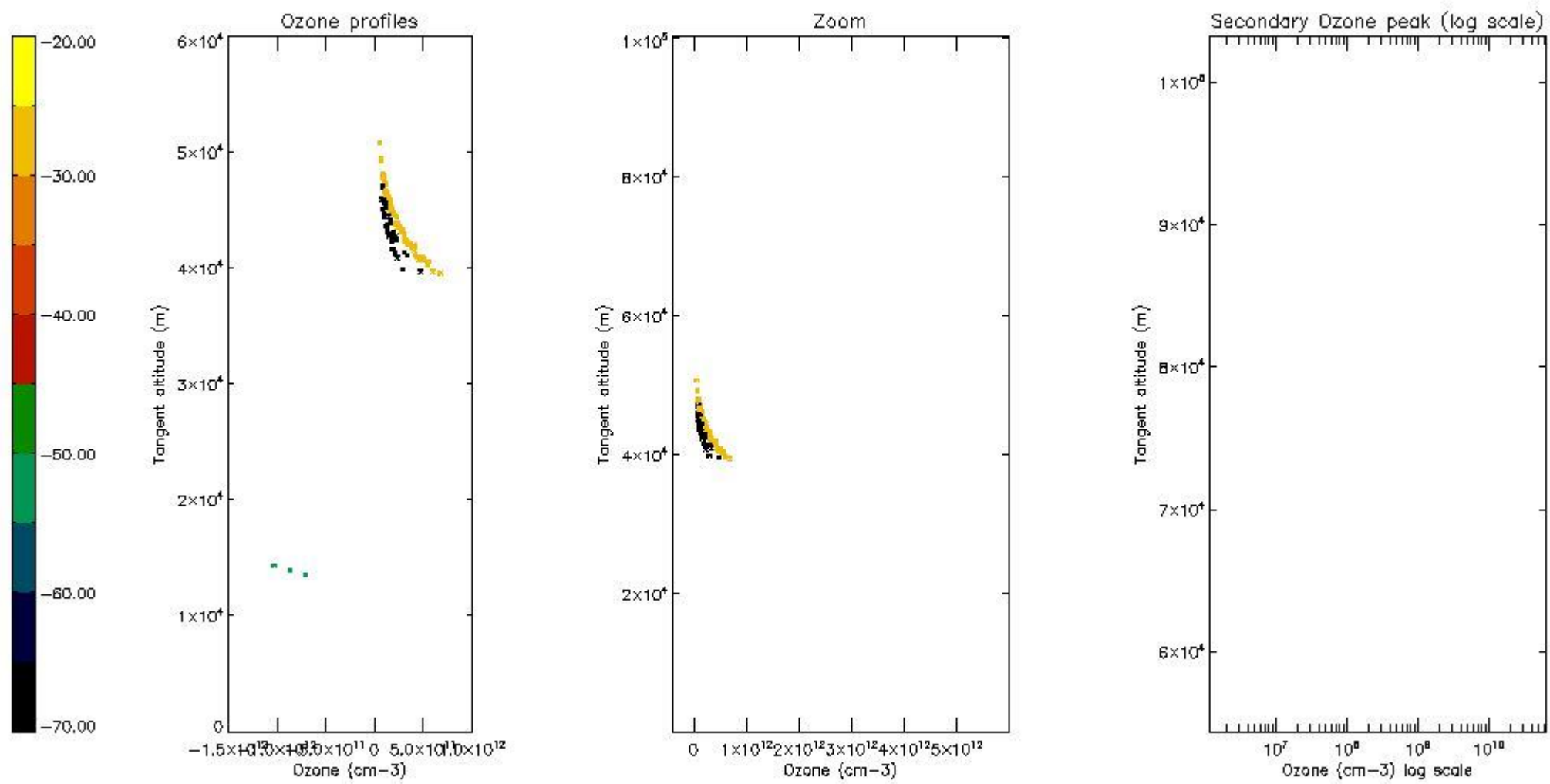
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



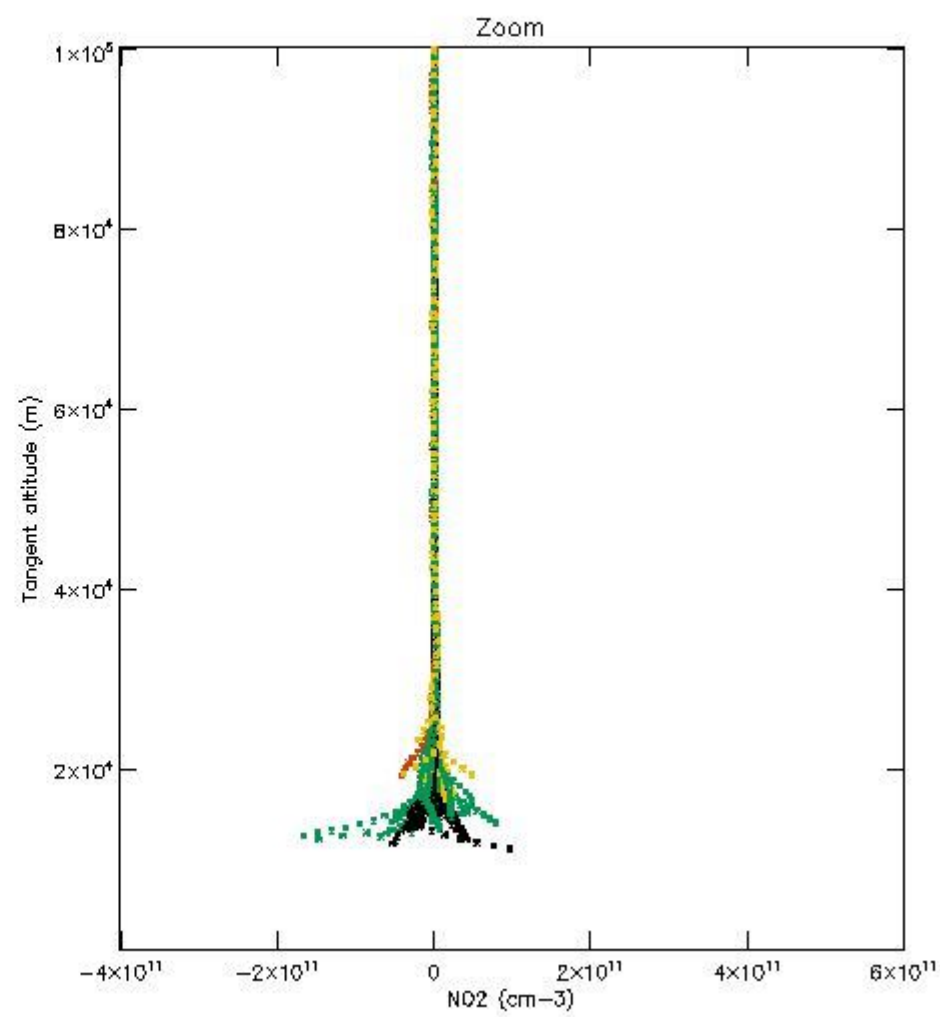
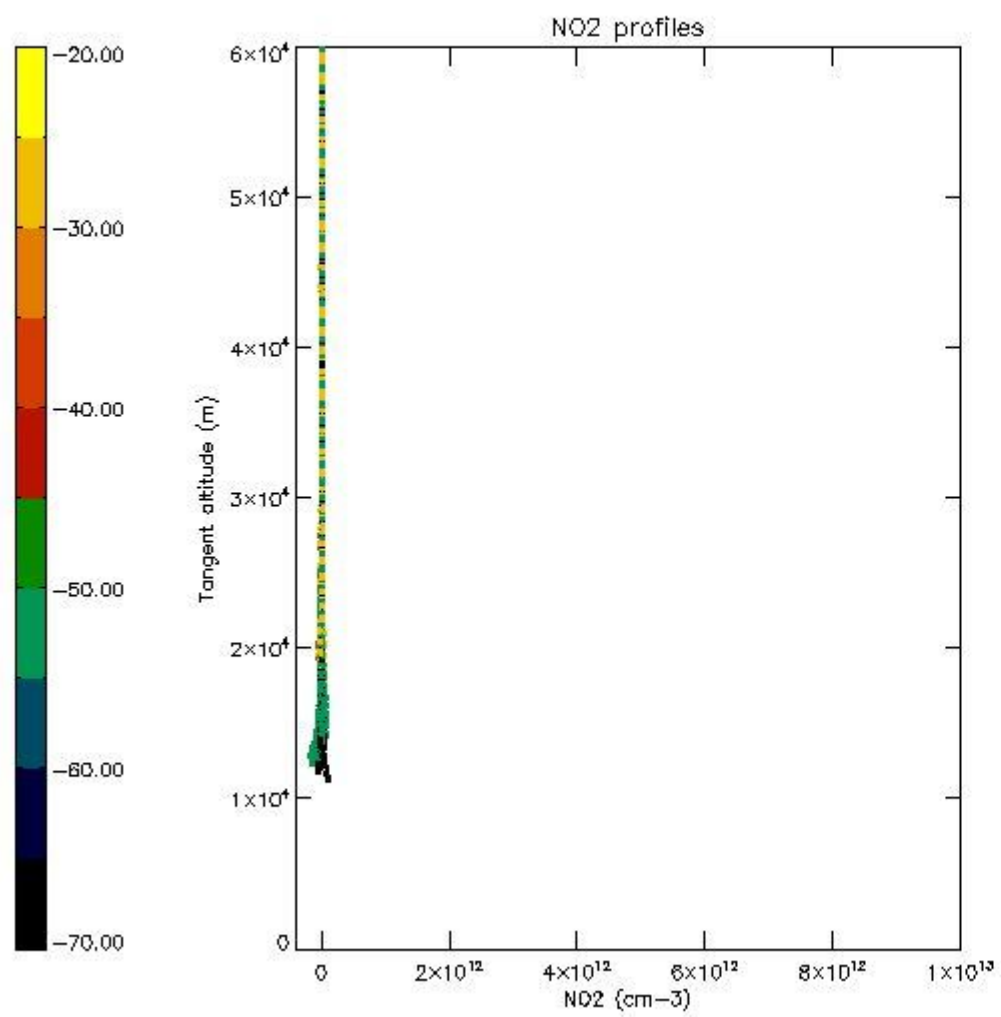
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



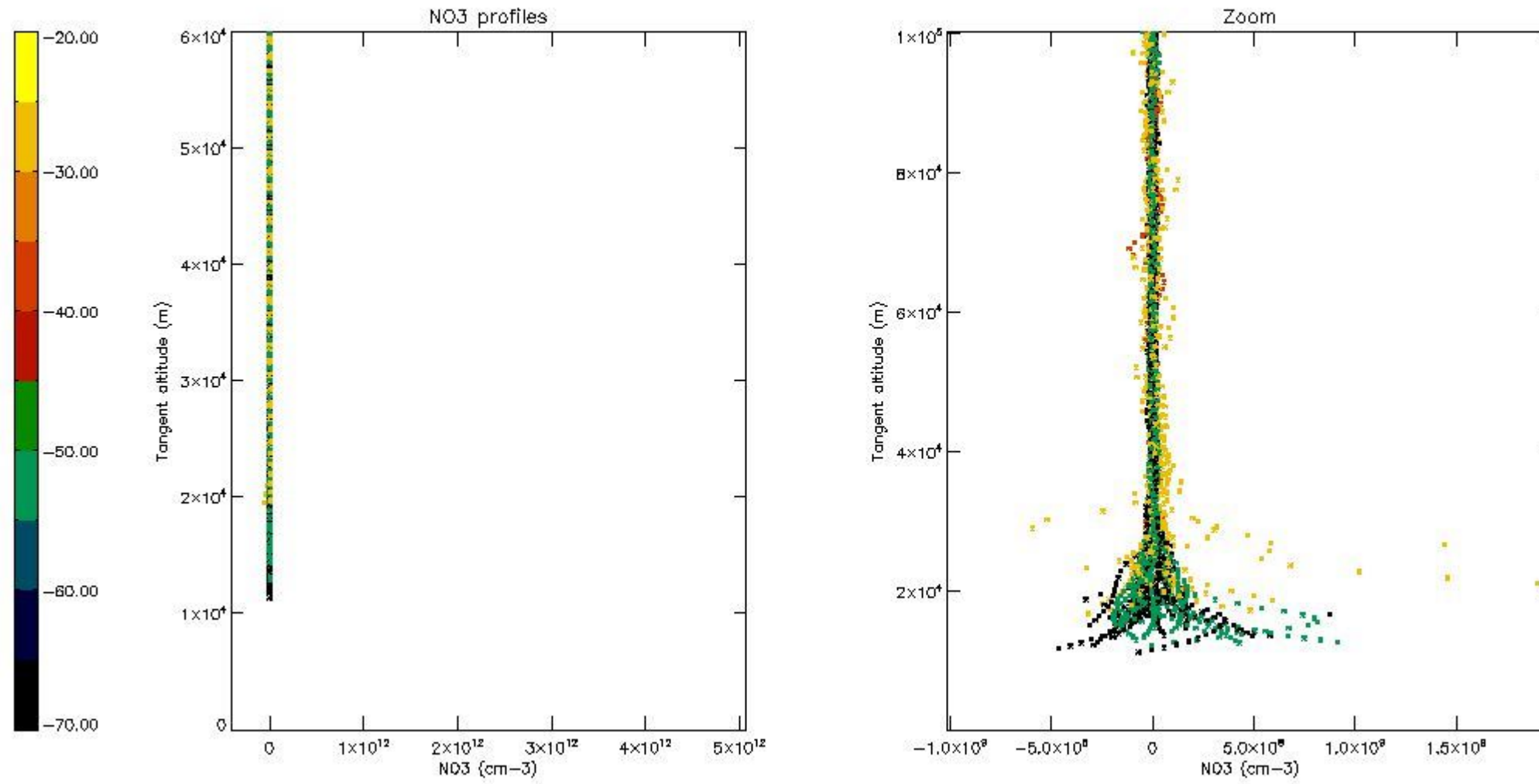
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

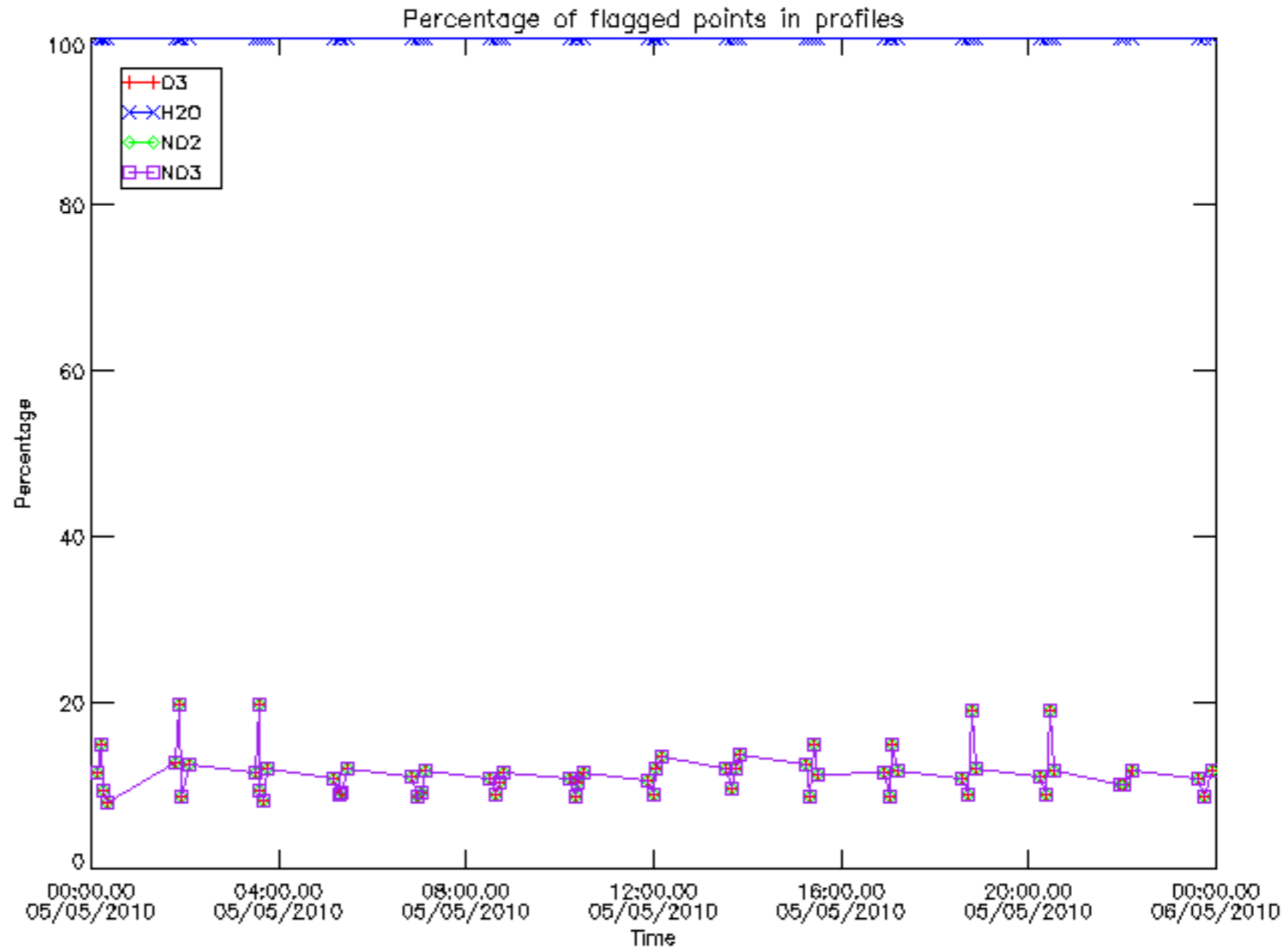
The colorbar represents the latitude.



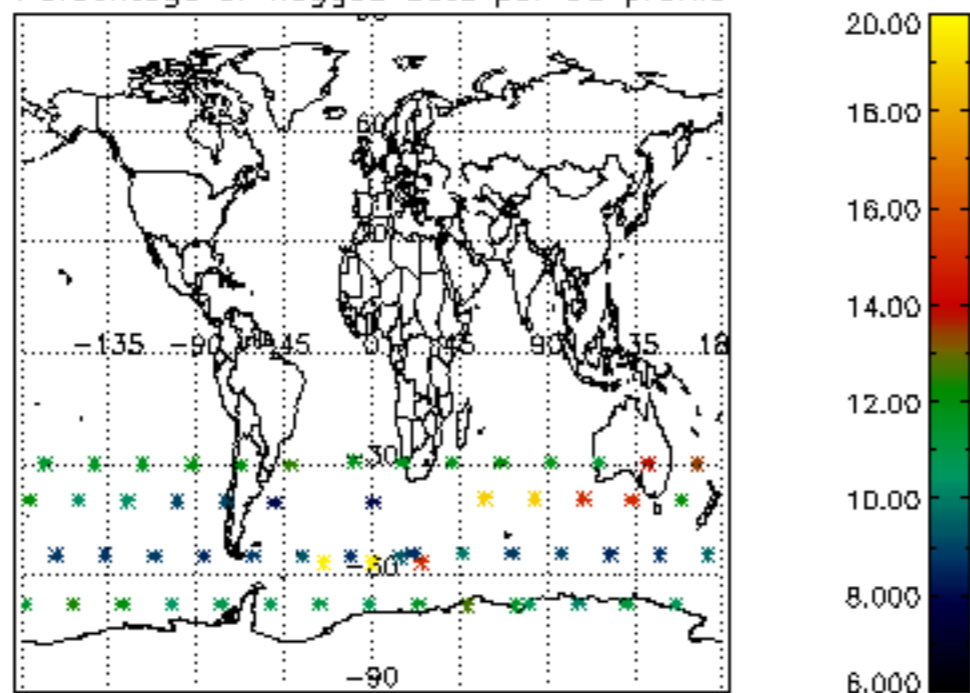
6. Auxiliary Data Files used for the production reported in section 2

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.

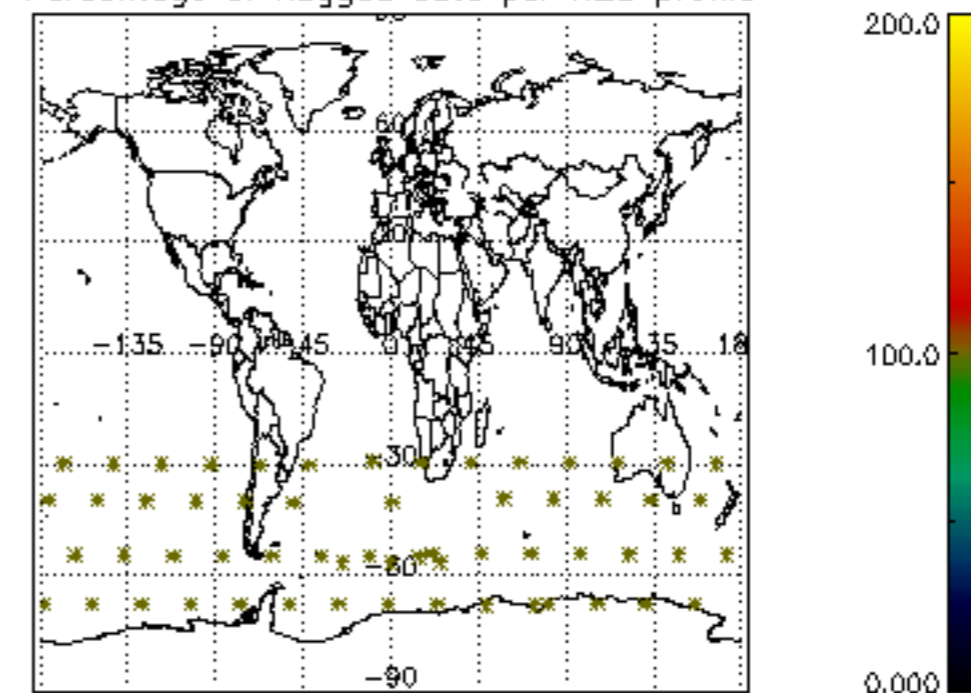
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-MAY-2010 00:03:58
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-MAY-2010 00:03:58
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-MAY-2010 00:03:58



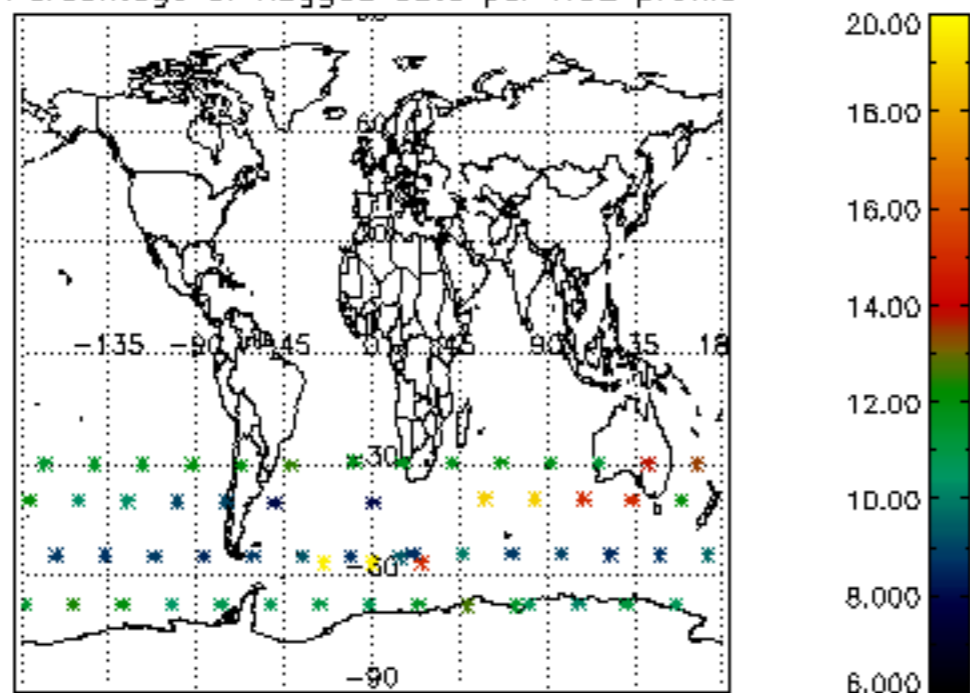
Percentage of flagged data per D3 profile



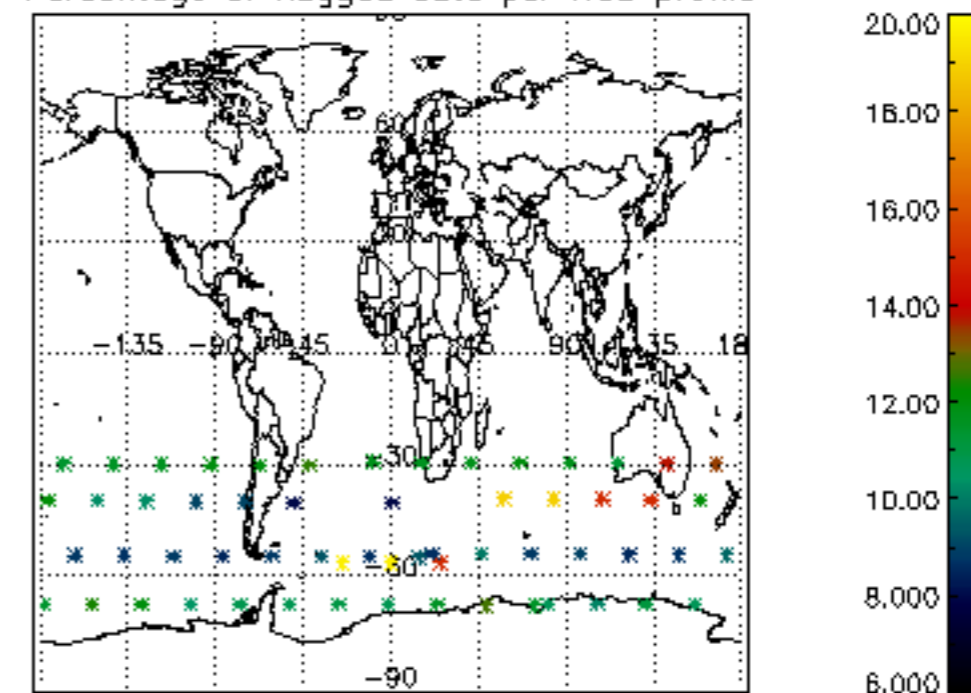
Percentage of flagged data per H2O profile

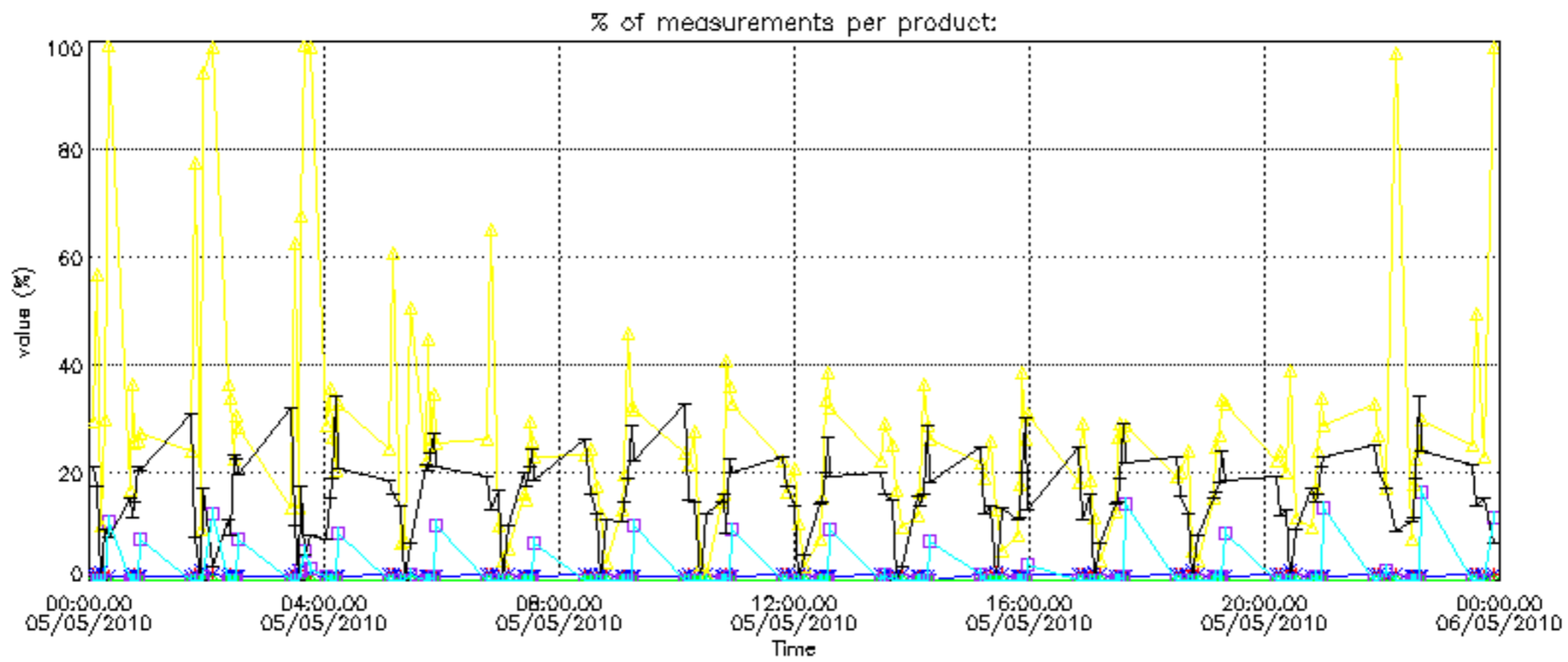


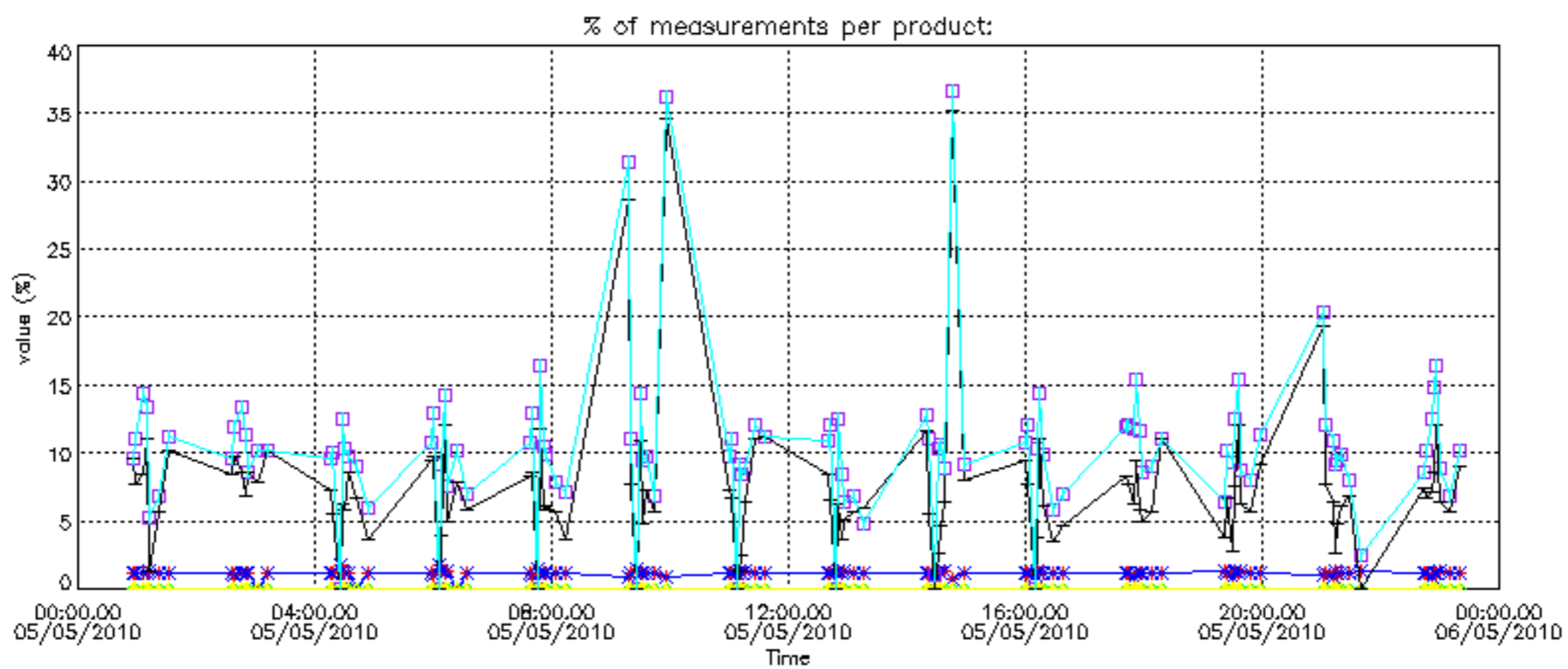
Percentage of flagged data per NO2 profile



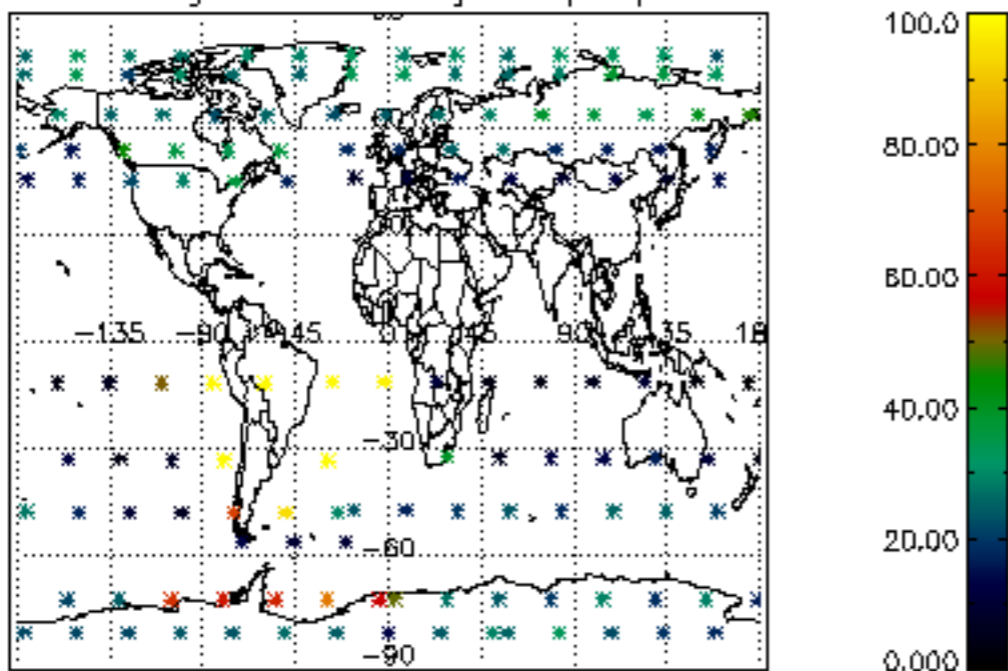
Percentage of flagged data per NO3 profile



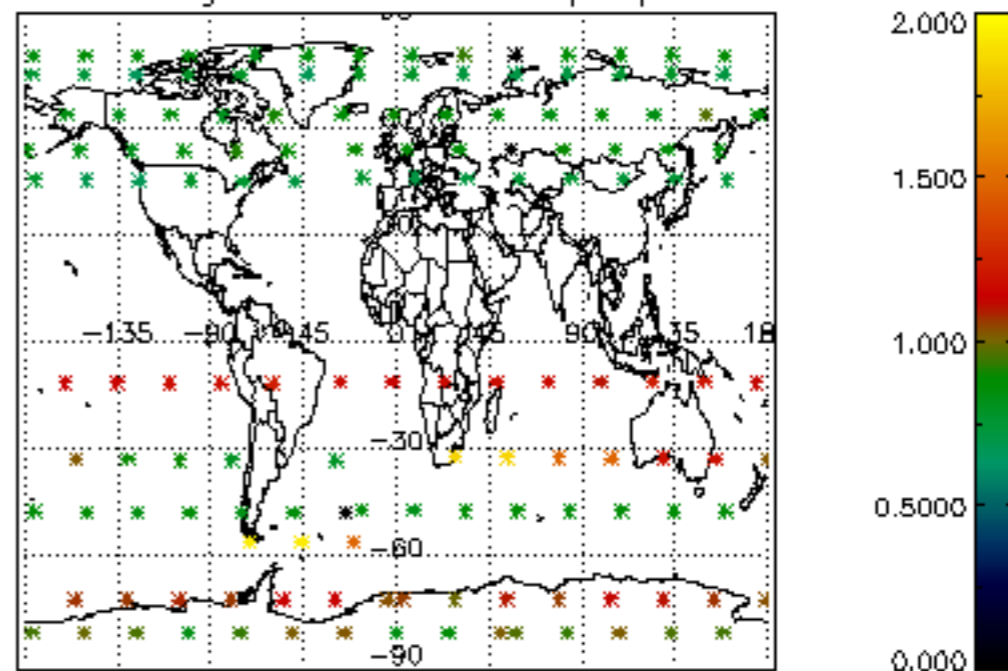




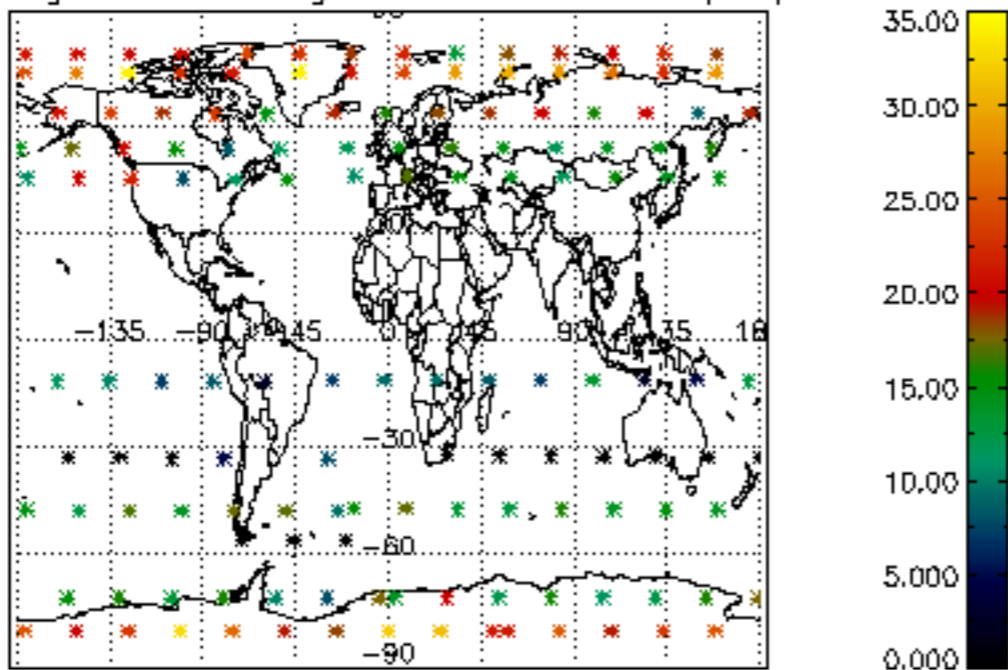
Percentage of cosmic ray hits per profile



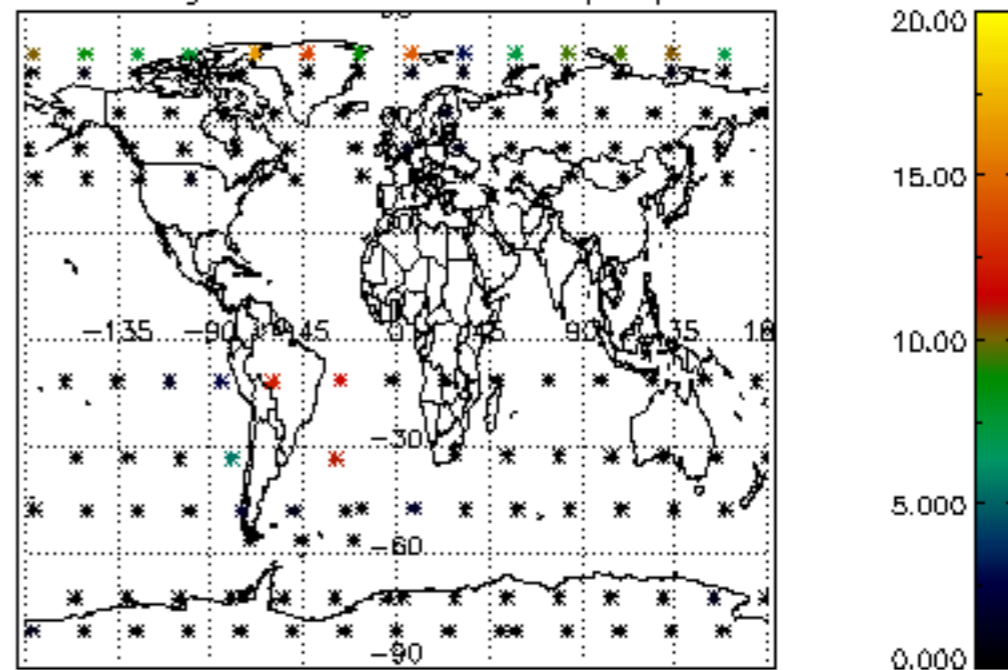
Percentage of datation errors per profile



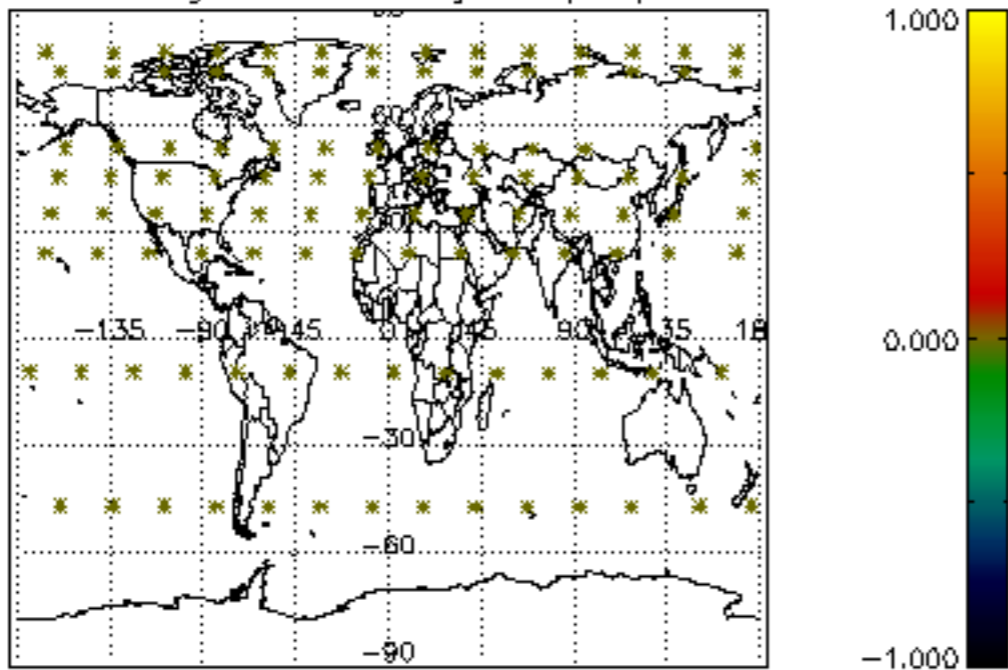
Percentage of star falling outside central band per profile



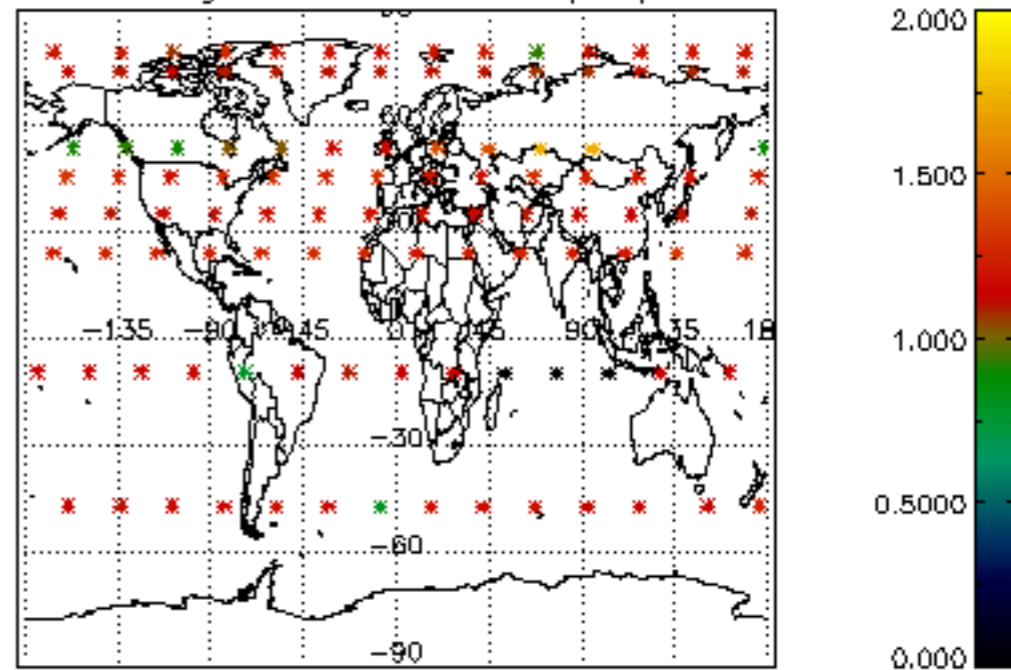
Percentage of saturation errors per profile



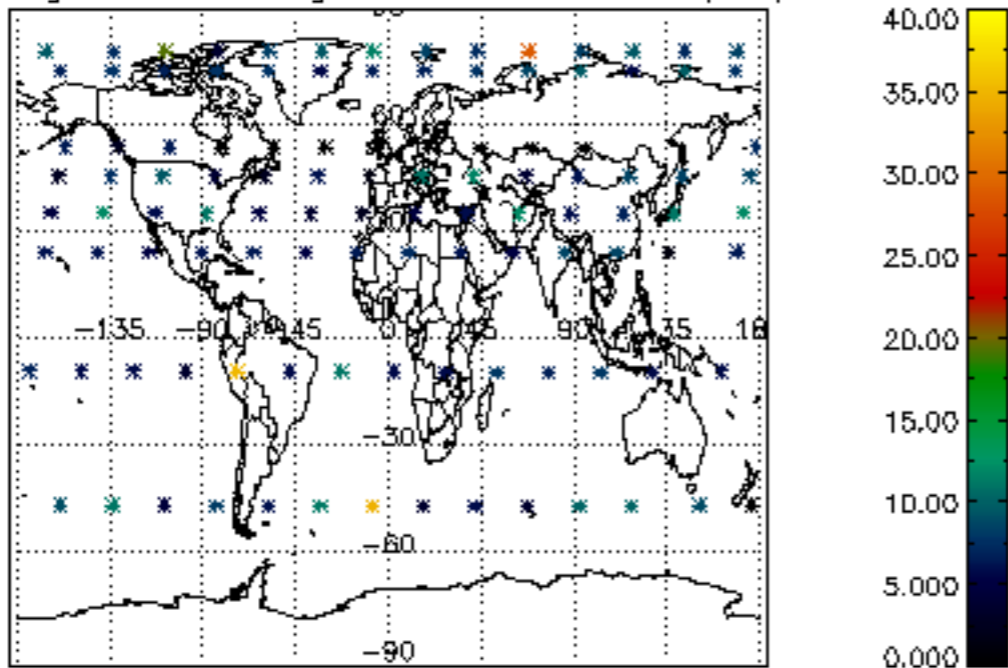
Percentage of cosmic ray hits per profile



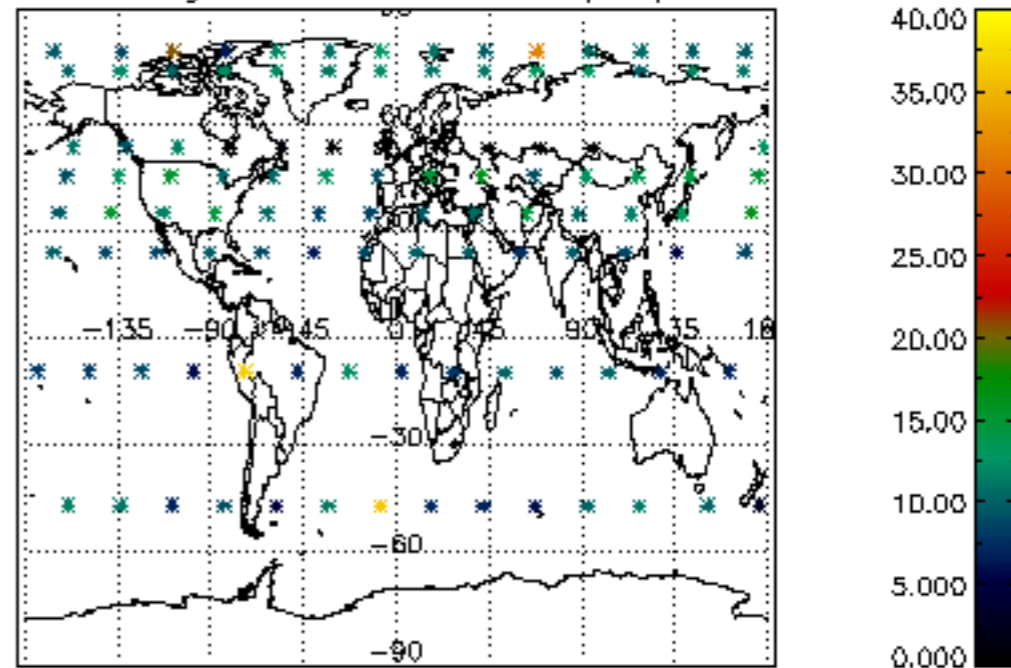
Percentage of datation errors per profile

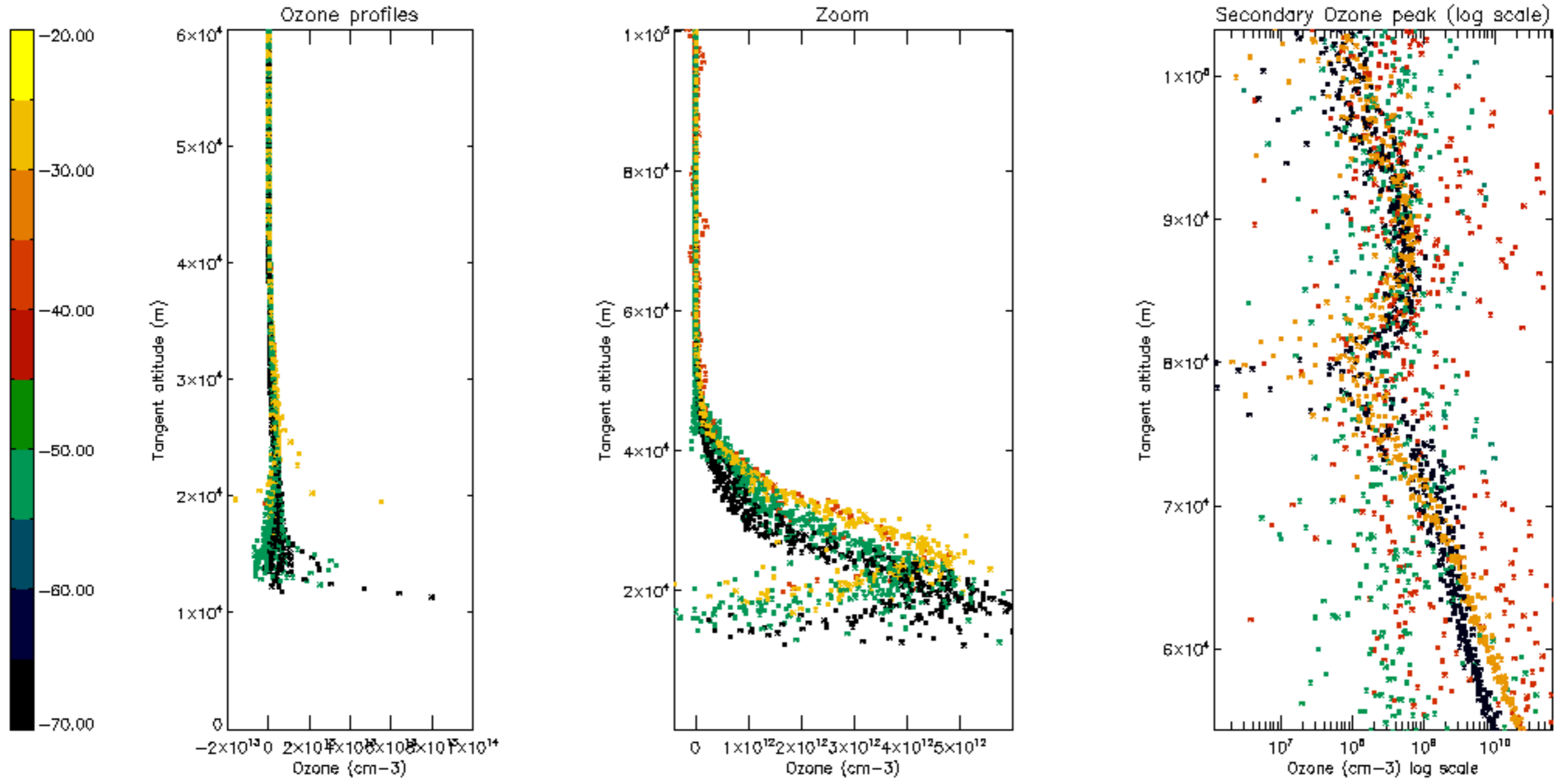


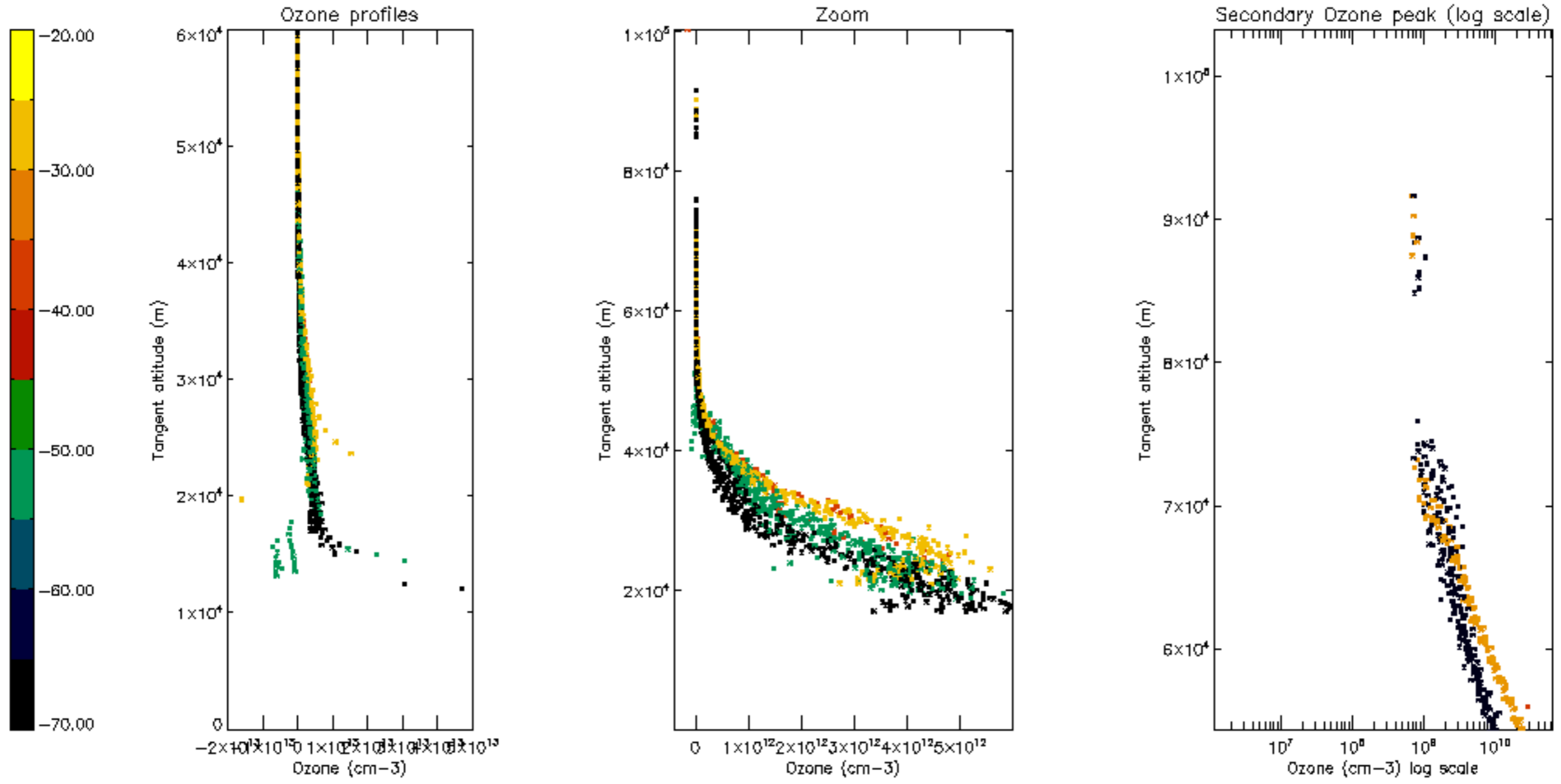
Percentage of star falling outside central band per profile

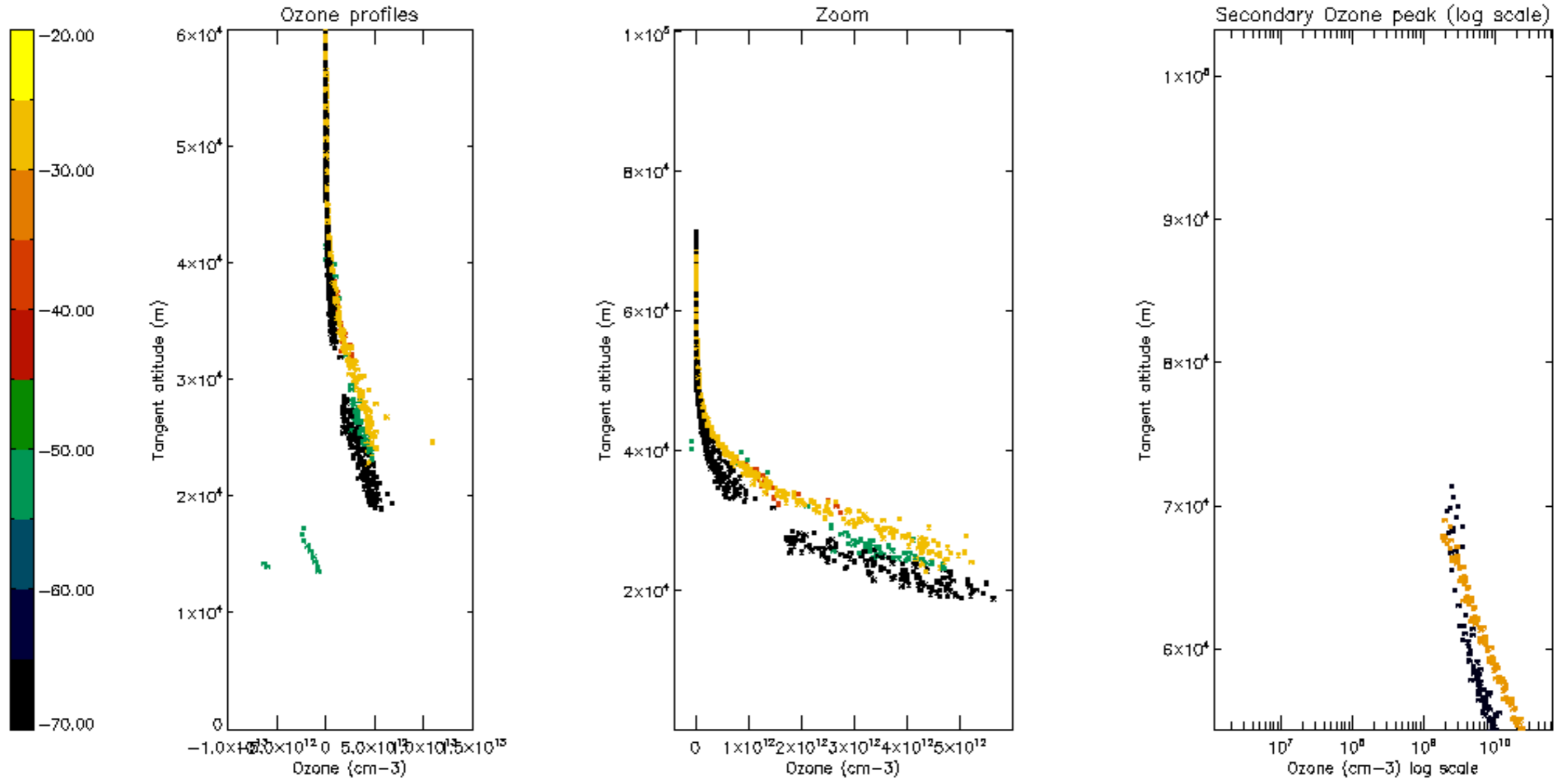


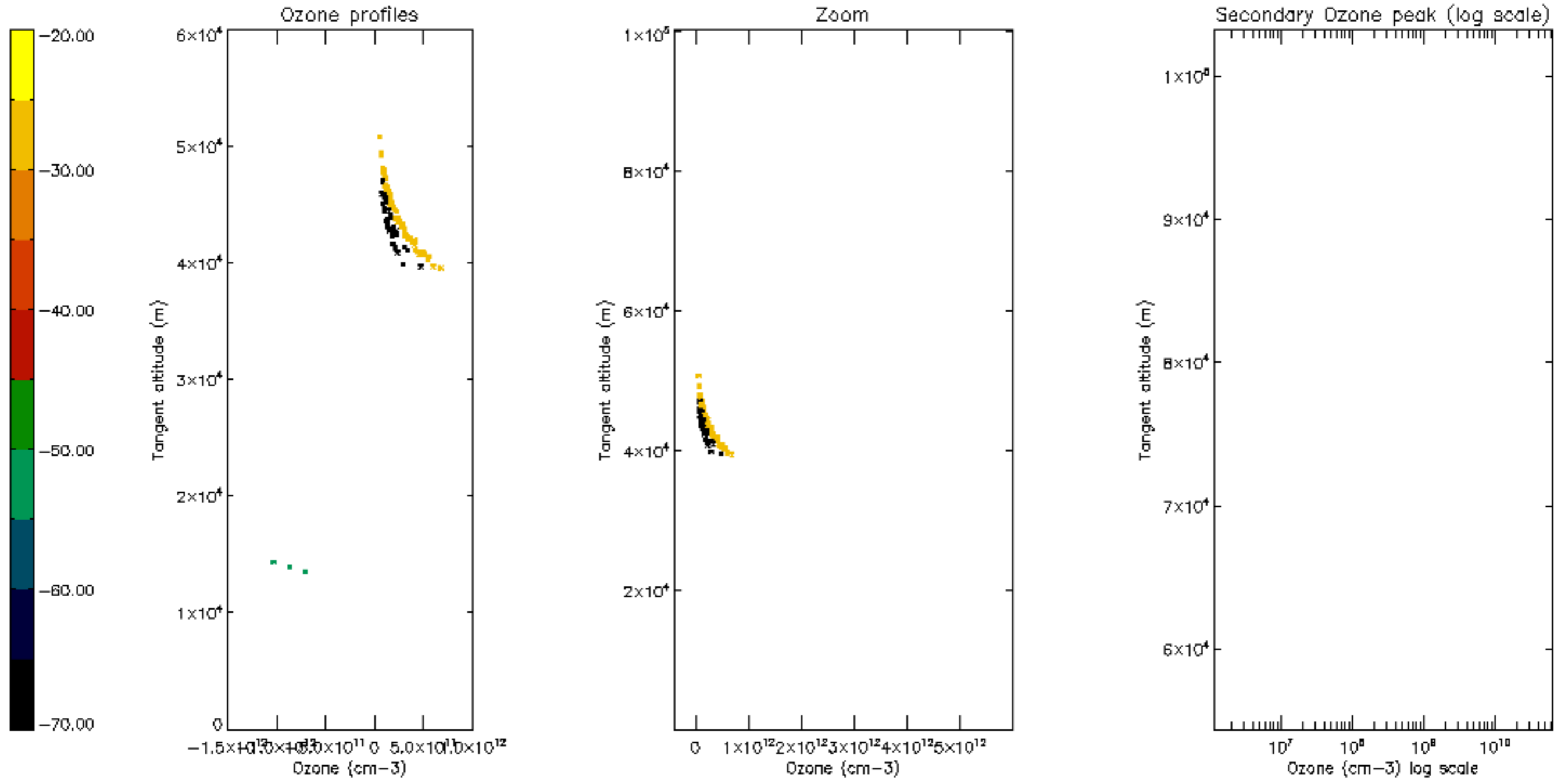
Percentage of saturation errors per profile

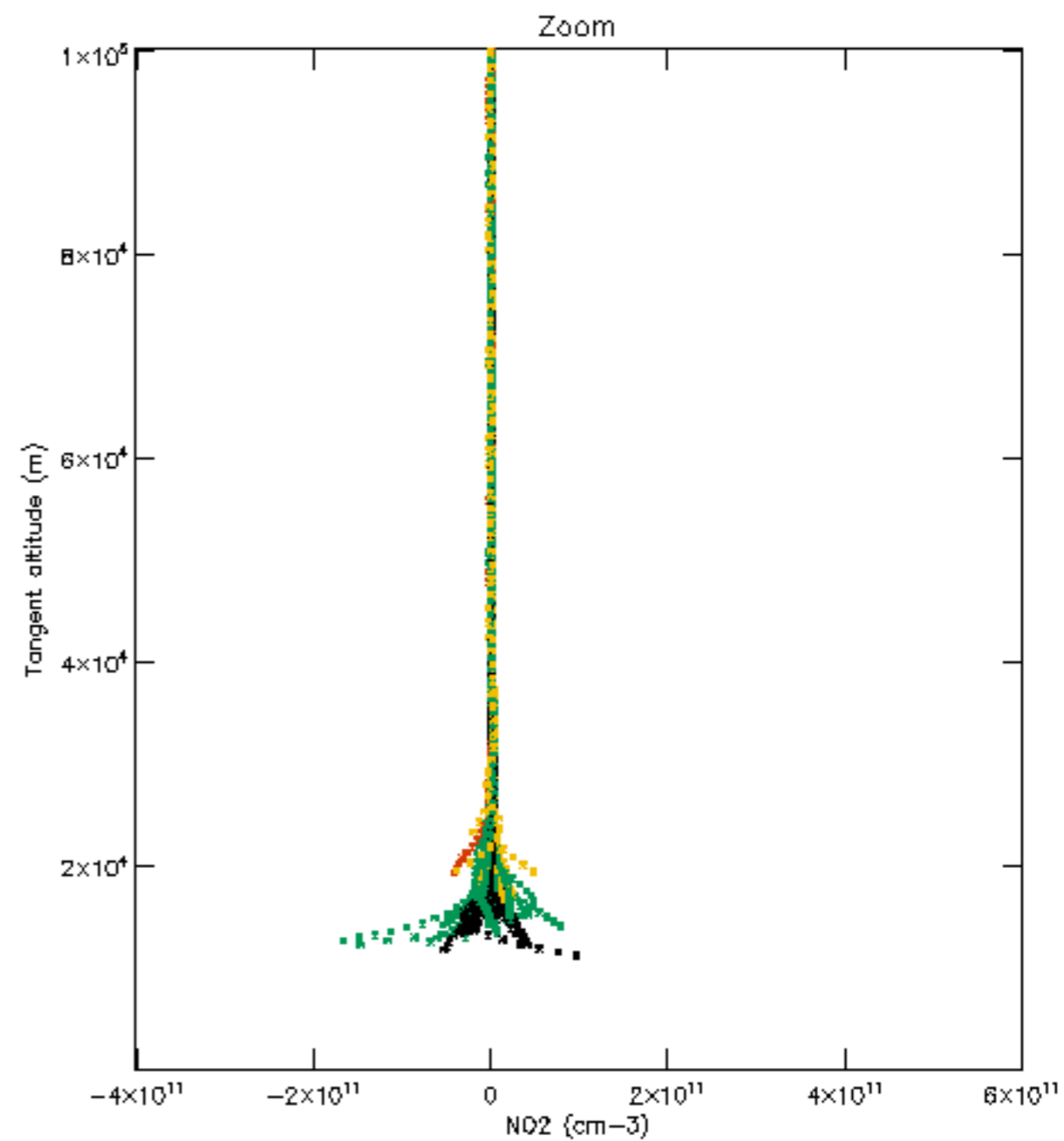
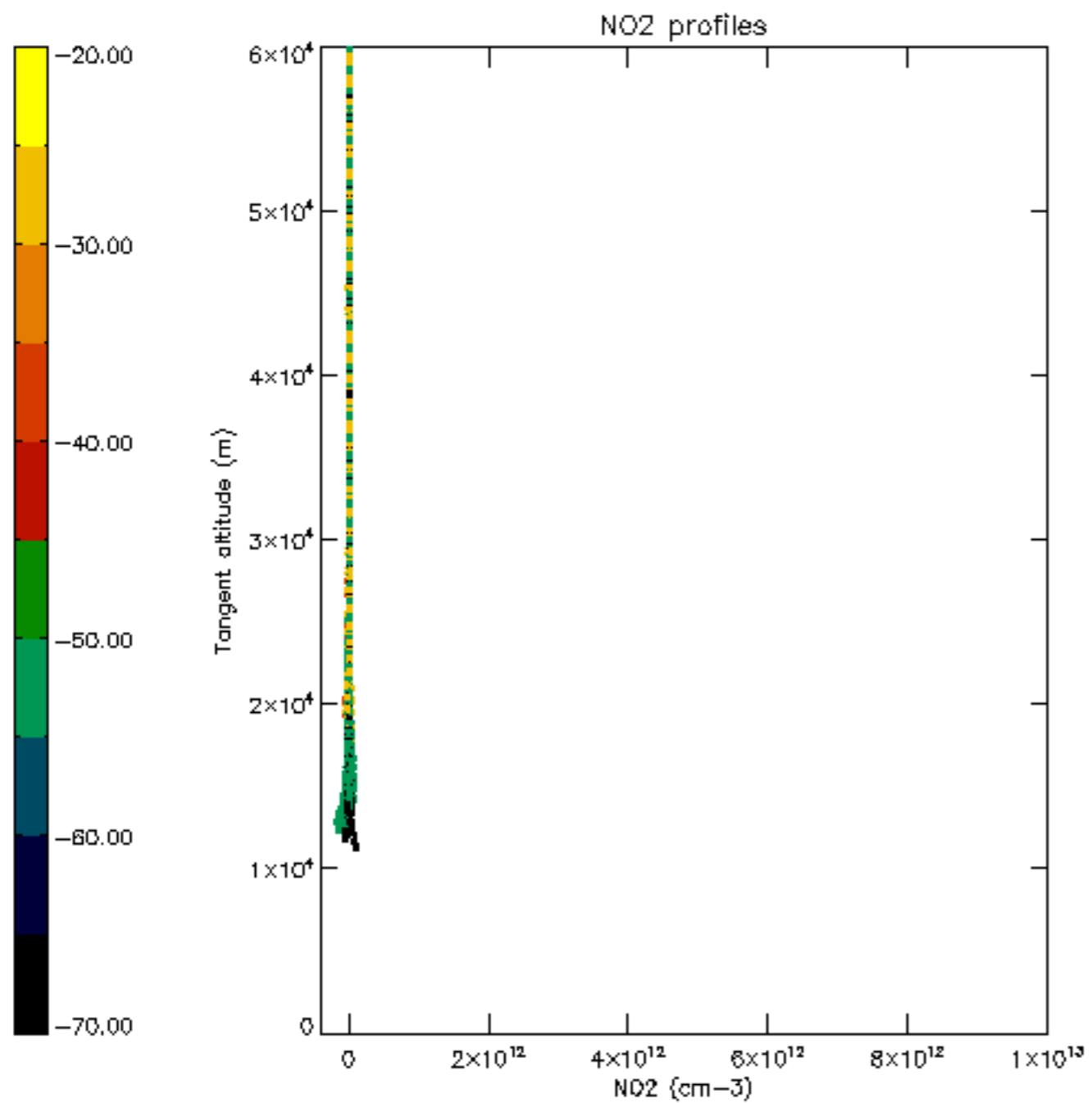


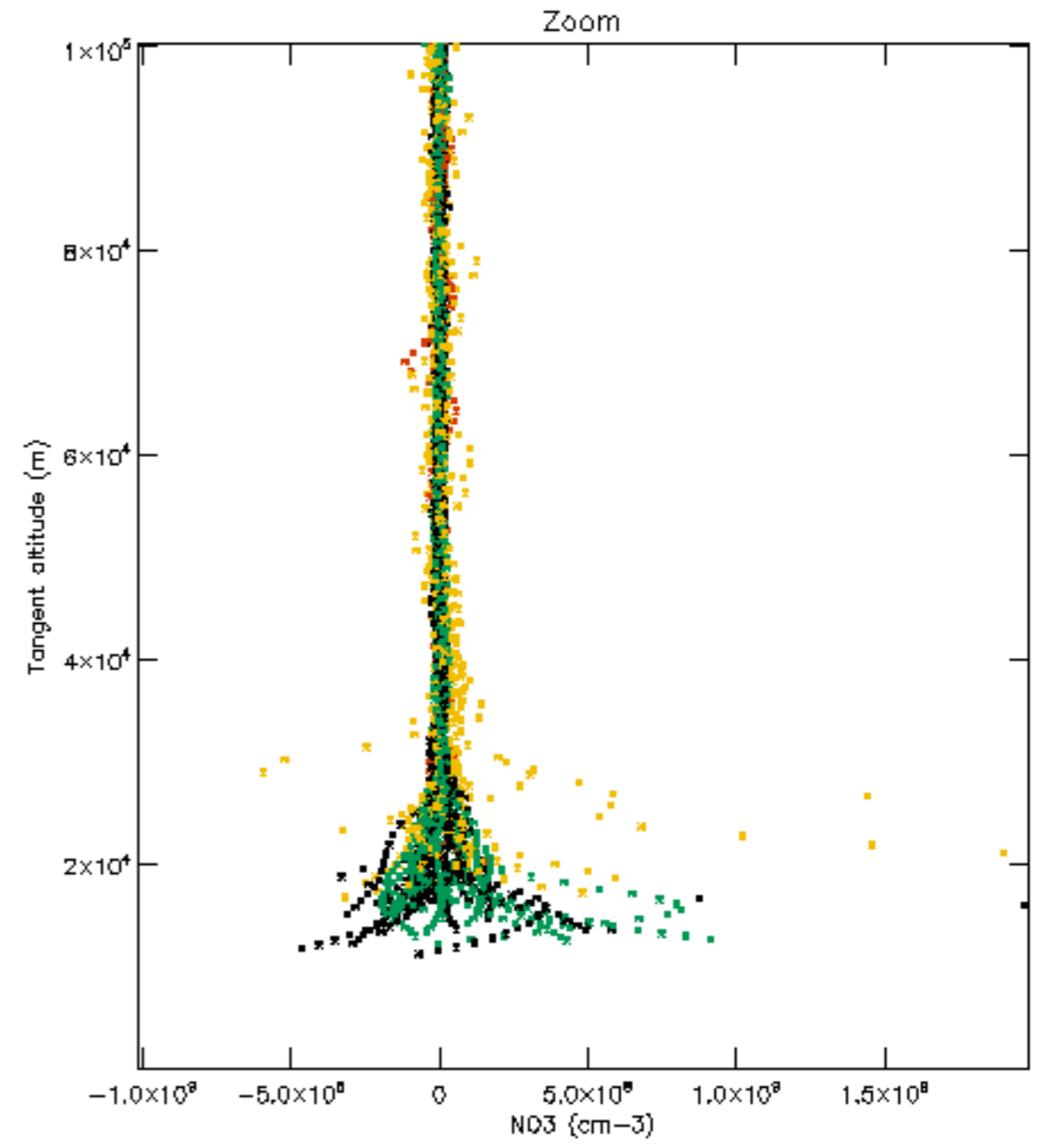
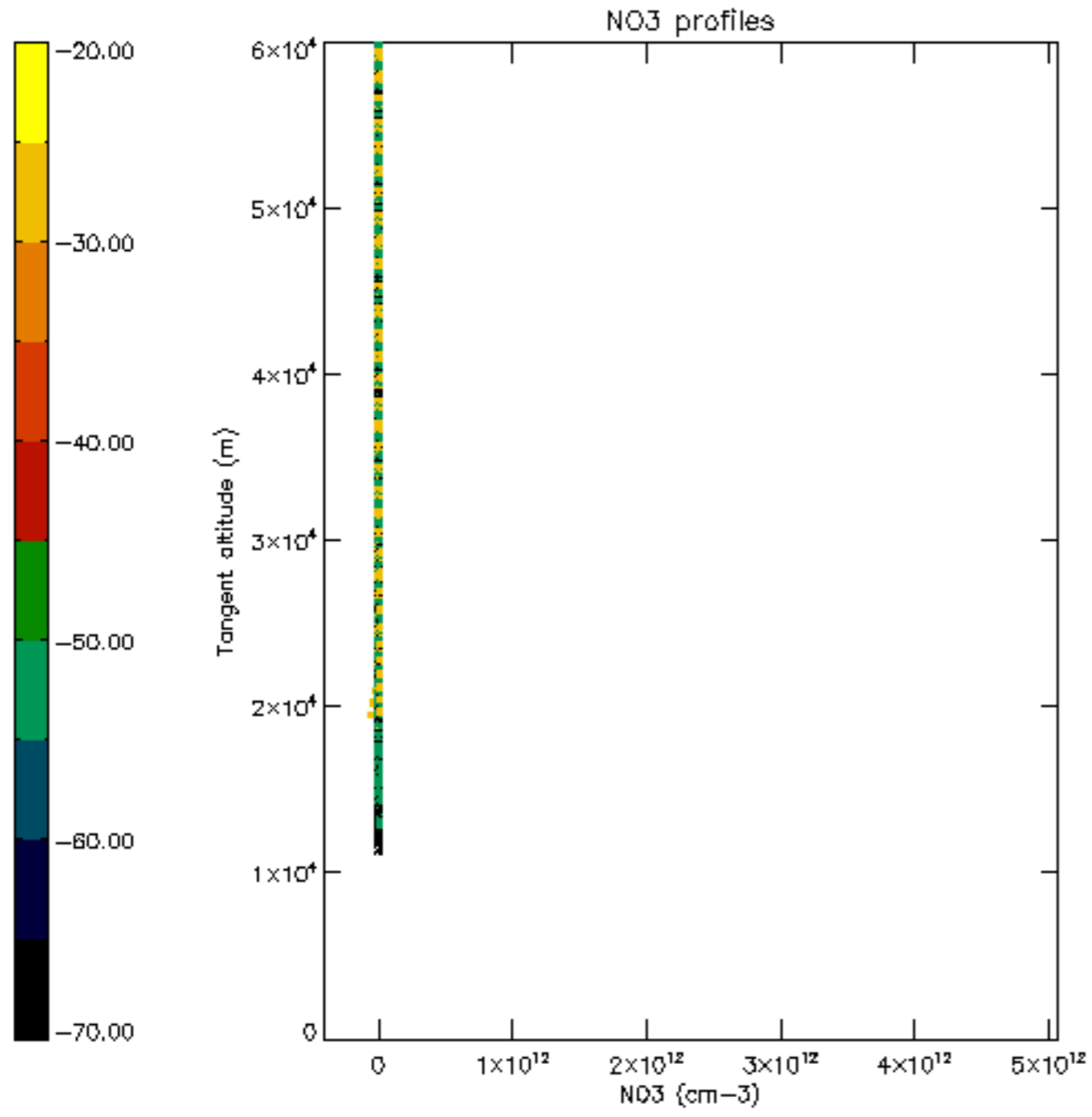


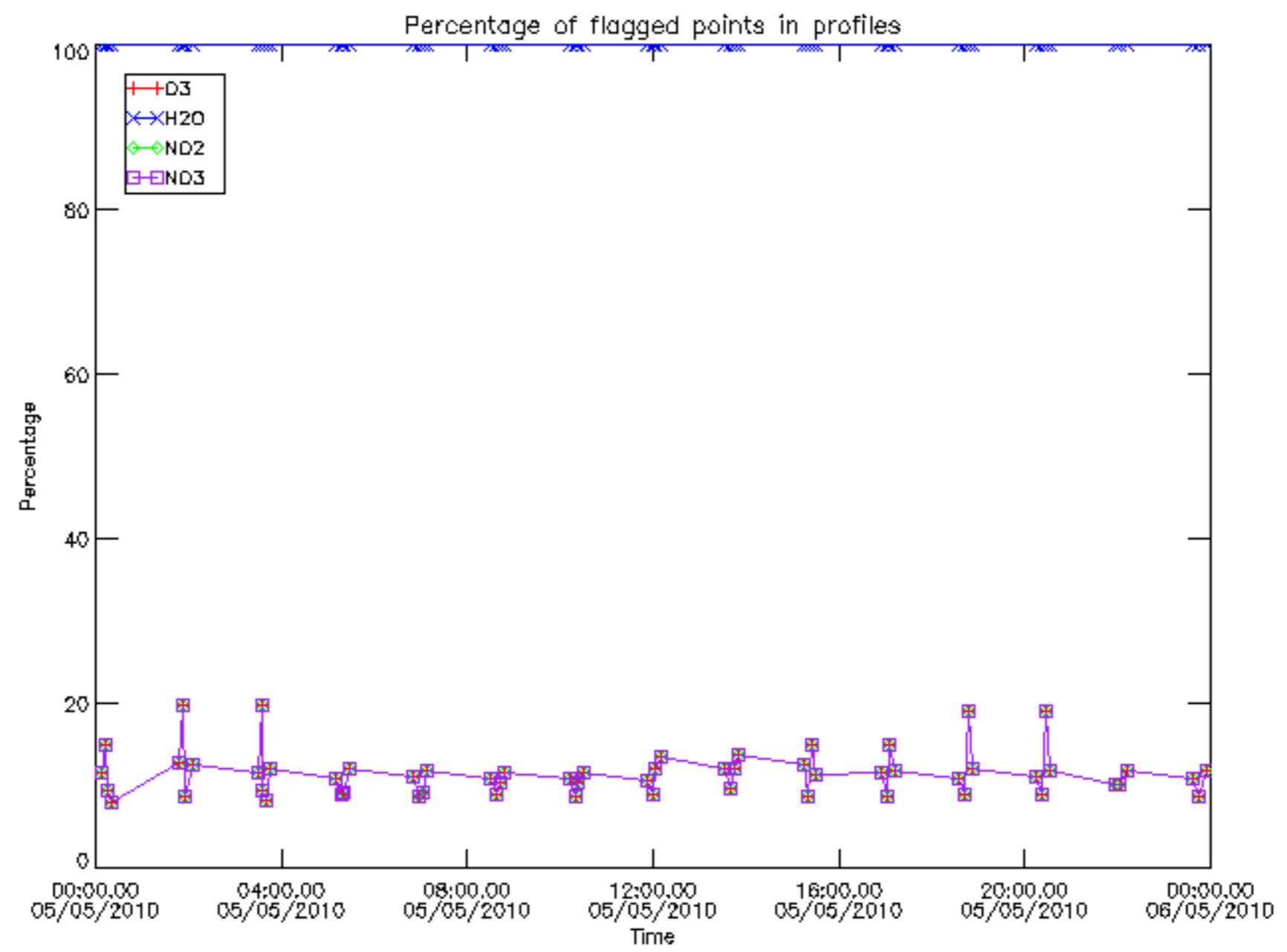




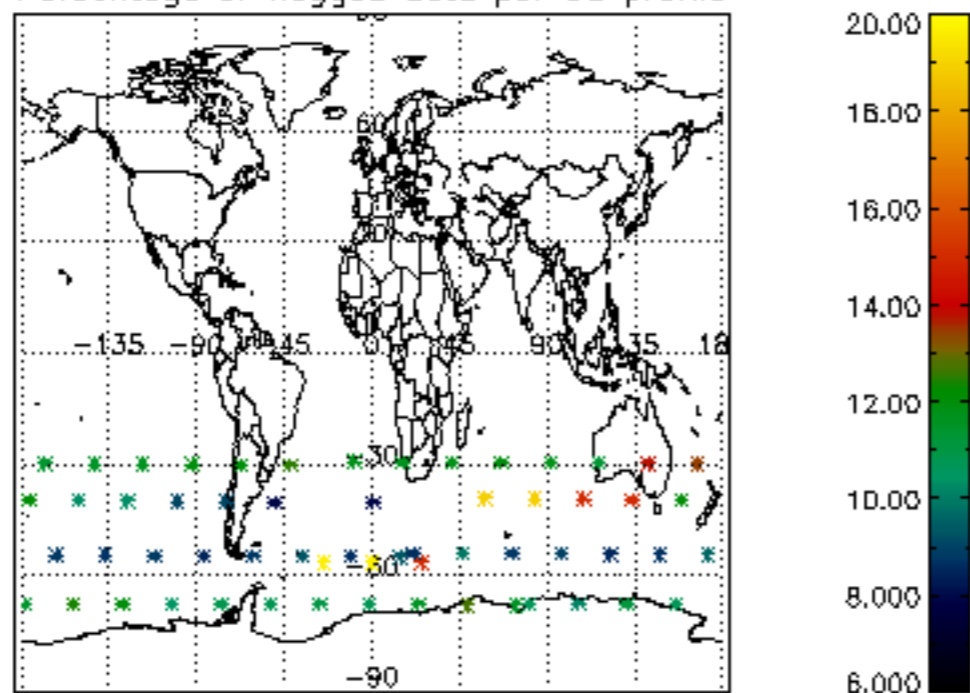




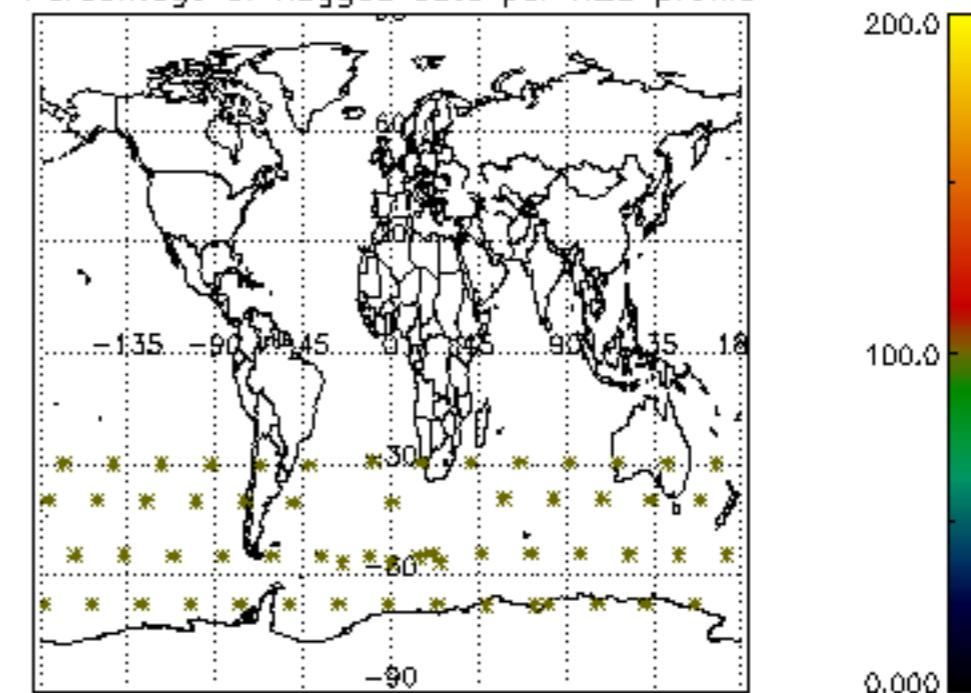




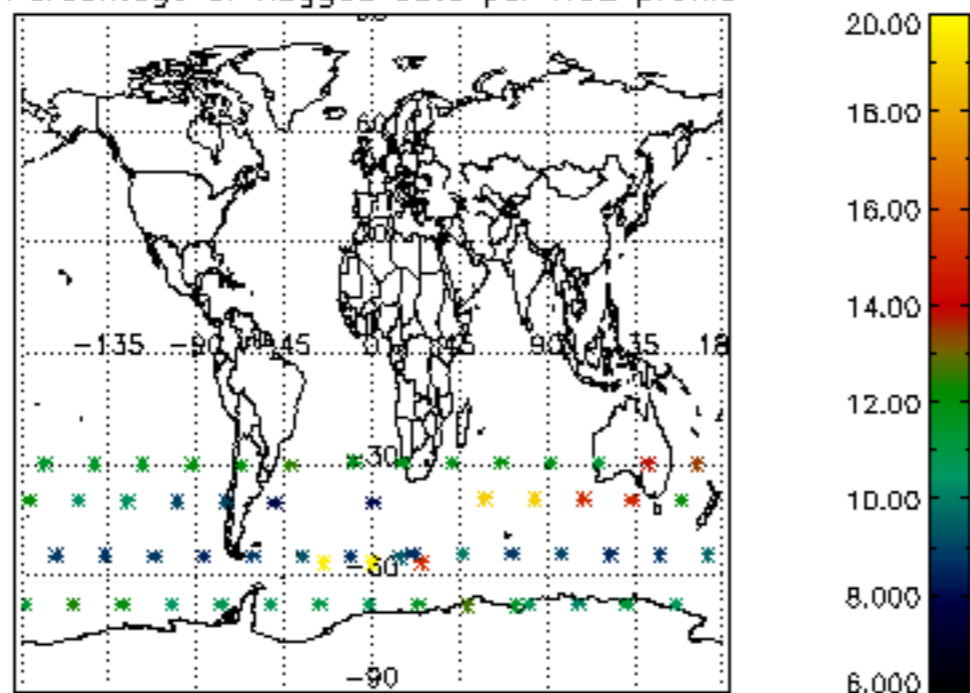
Percentage of flagged data per D3 profile



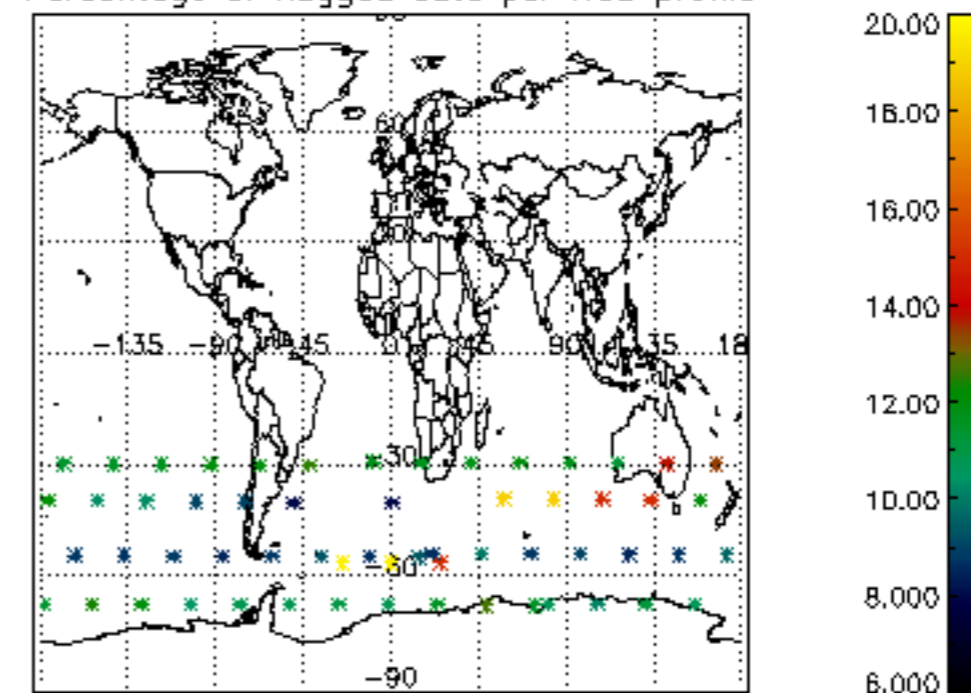
Percentage of flagged data per H2O profile

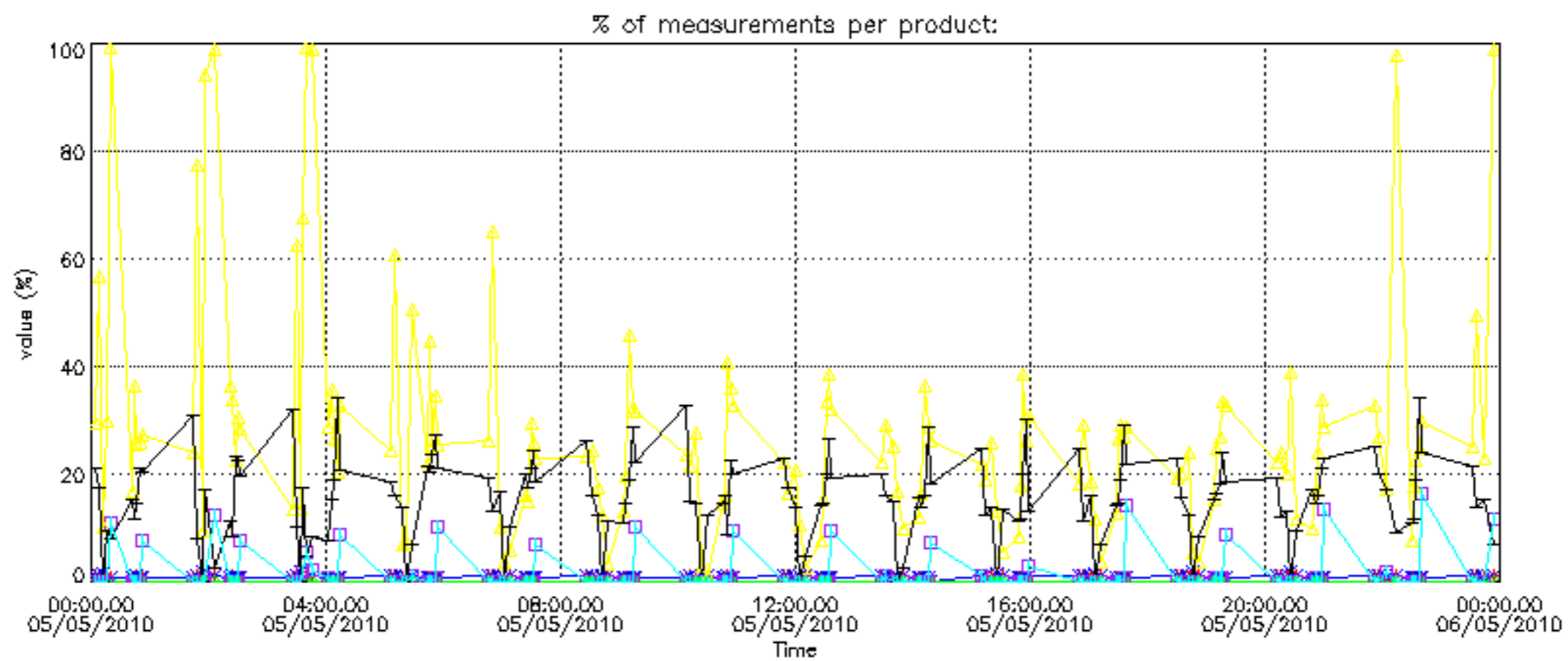
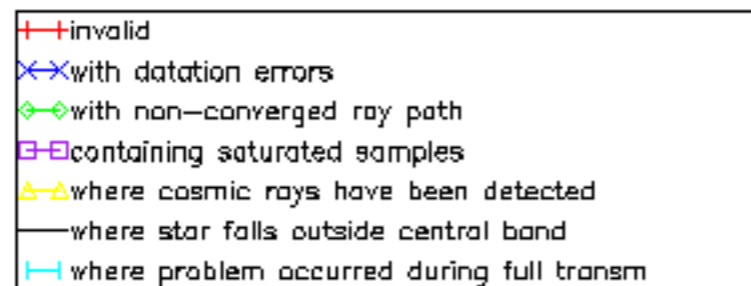


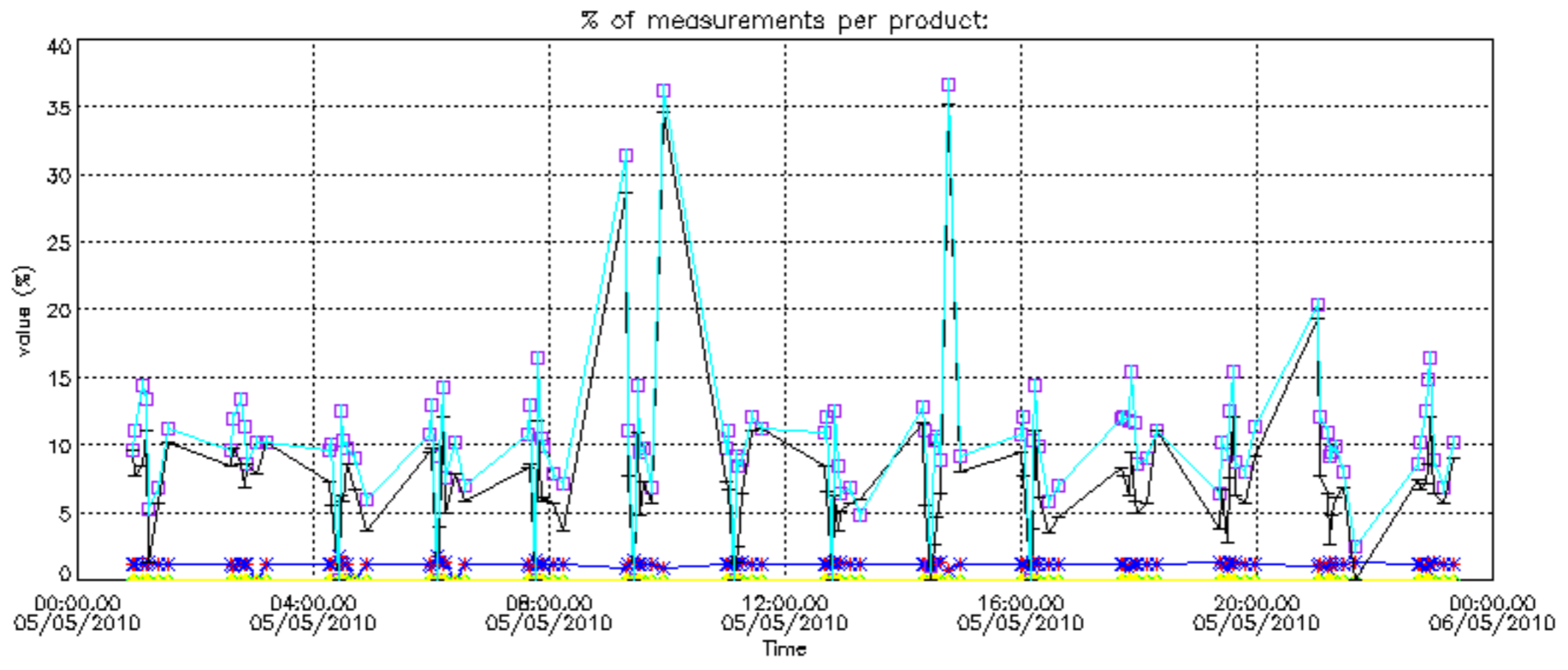
Percentage of flagged data per NO2 profile



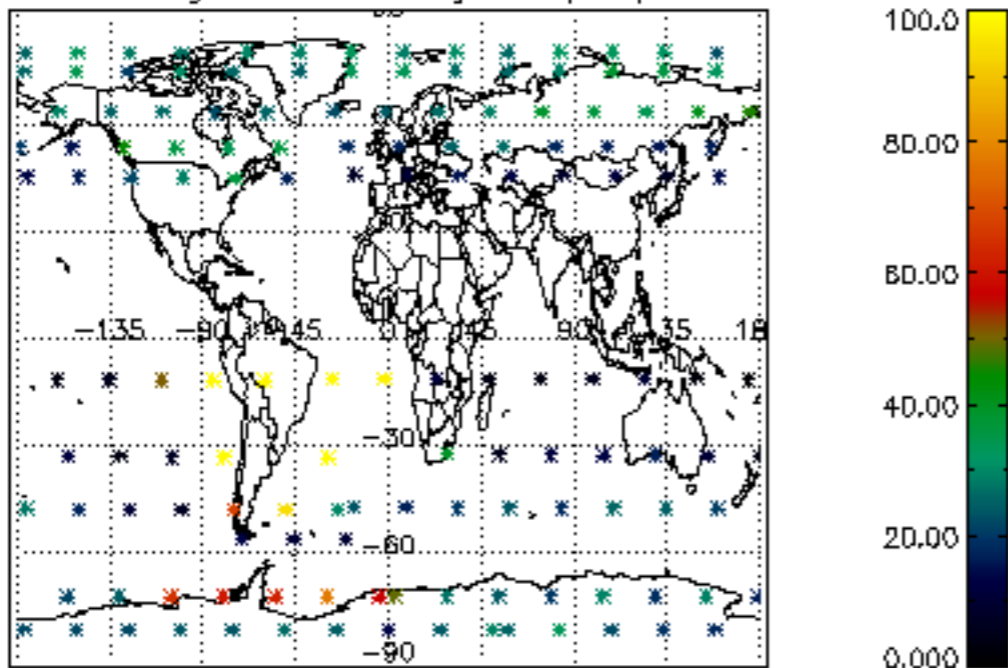
Percentage of flagged data per NO3 profile



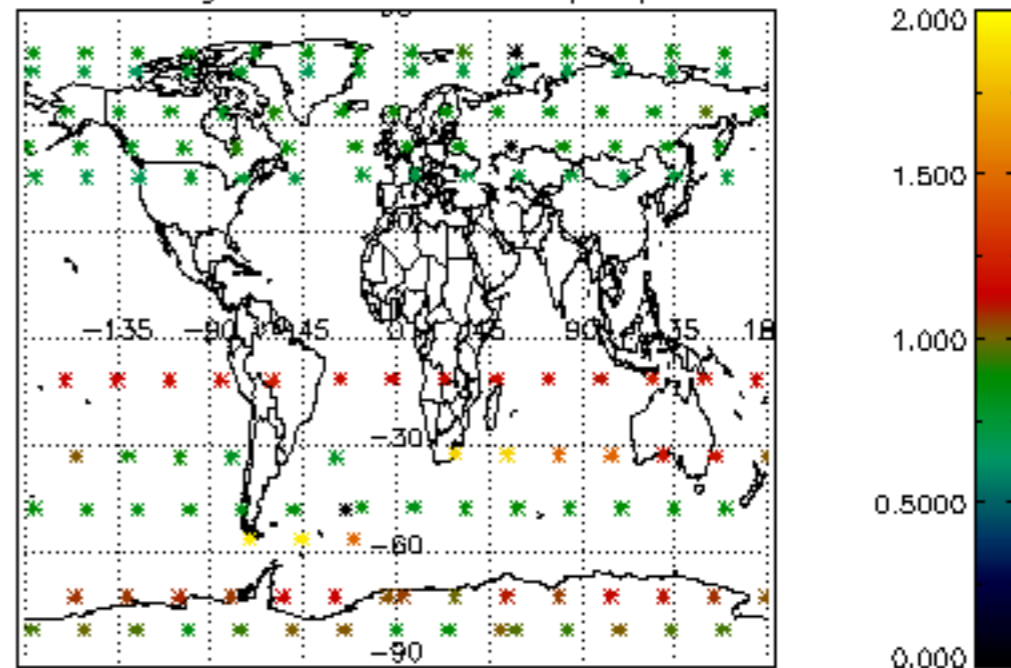




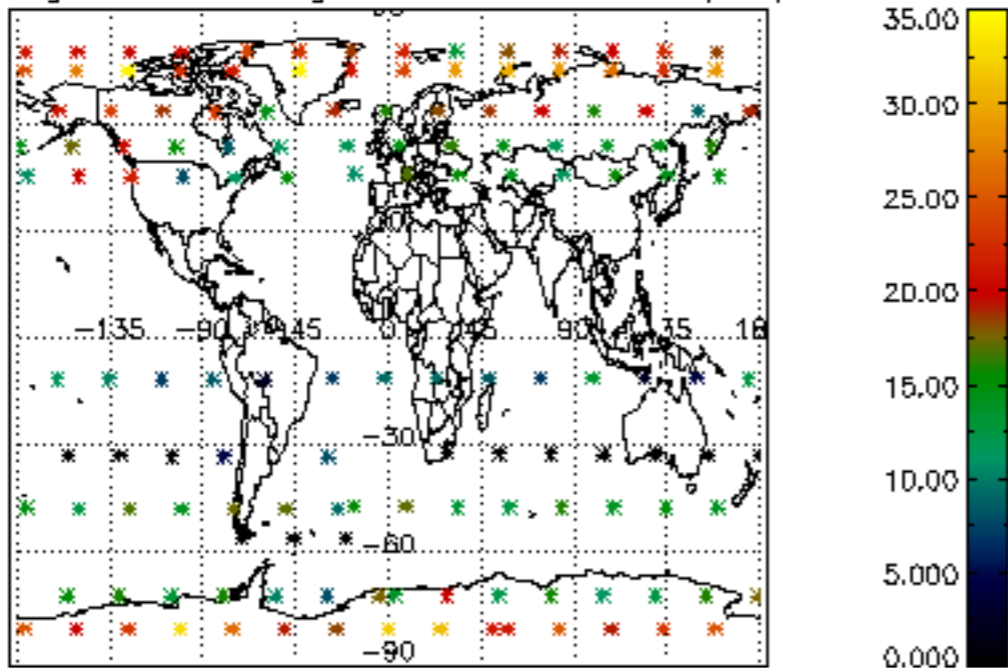
Percentage of cosmic ray hits per profile



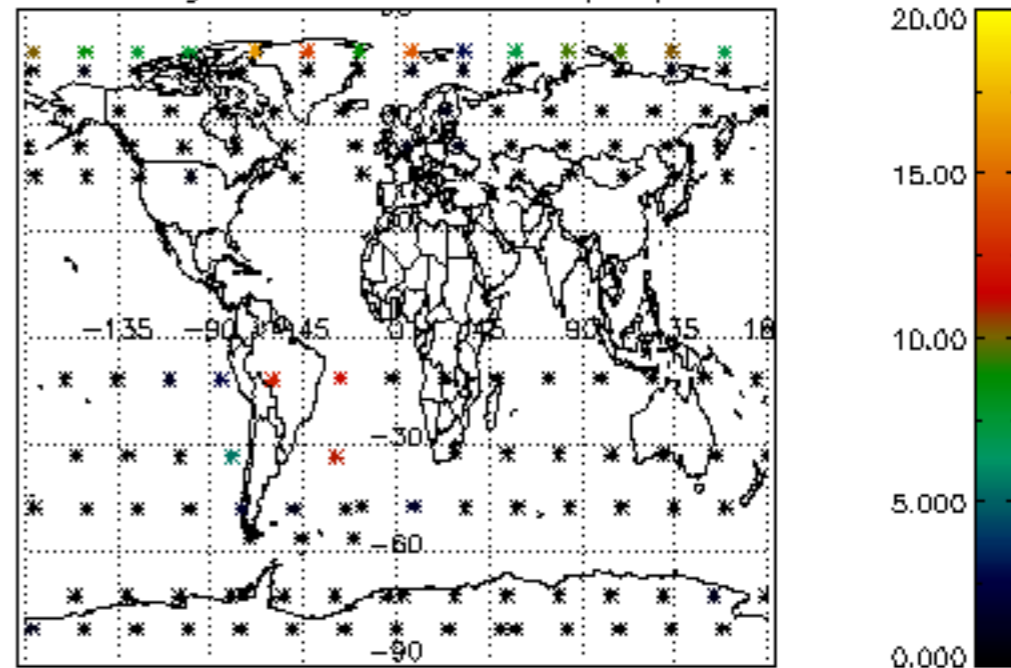
Percentage of datation errors per profile



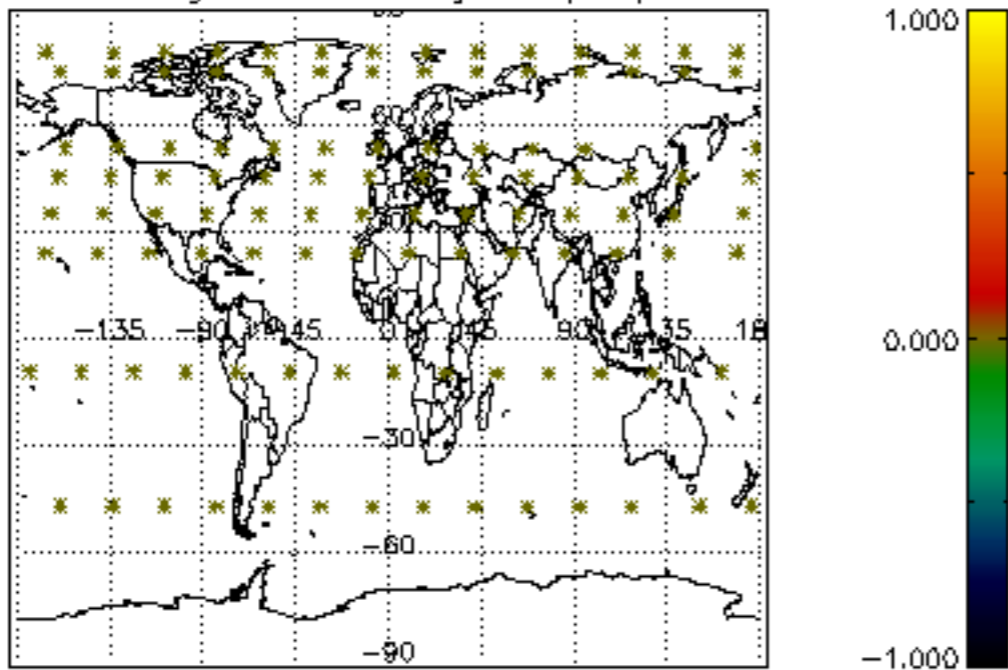
Percentage of star falling outside central band per profile



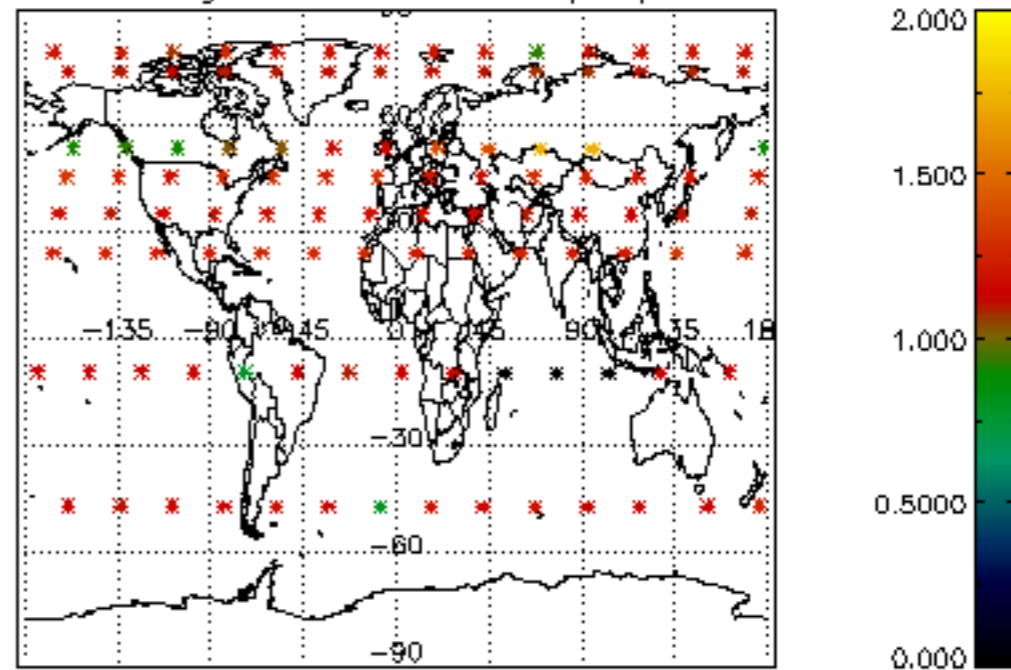
Percentage of saturation errors per profile



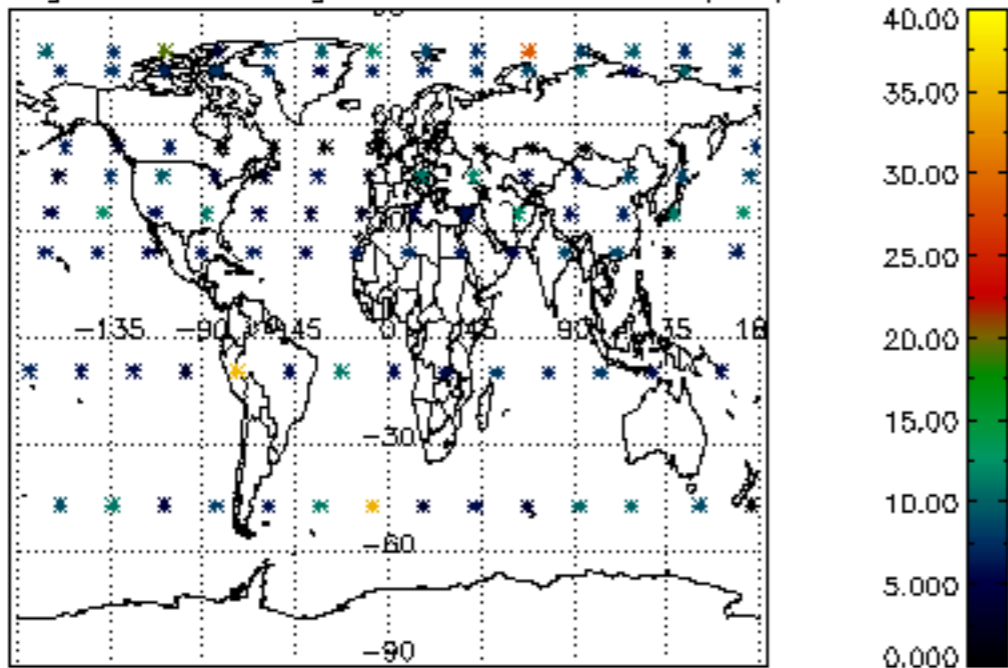
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

