

GOMOS Level 2 Daily Report

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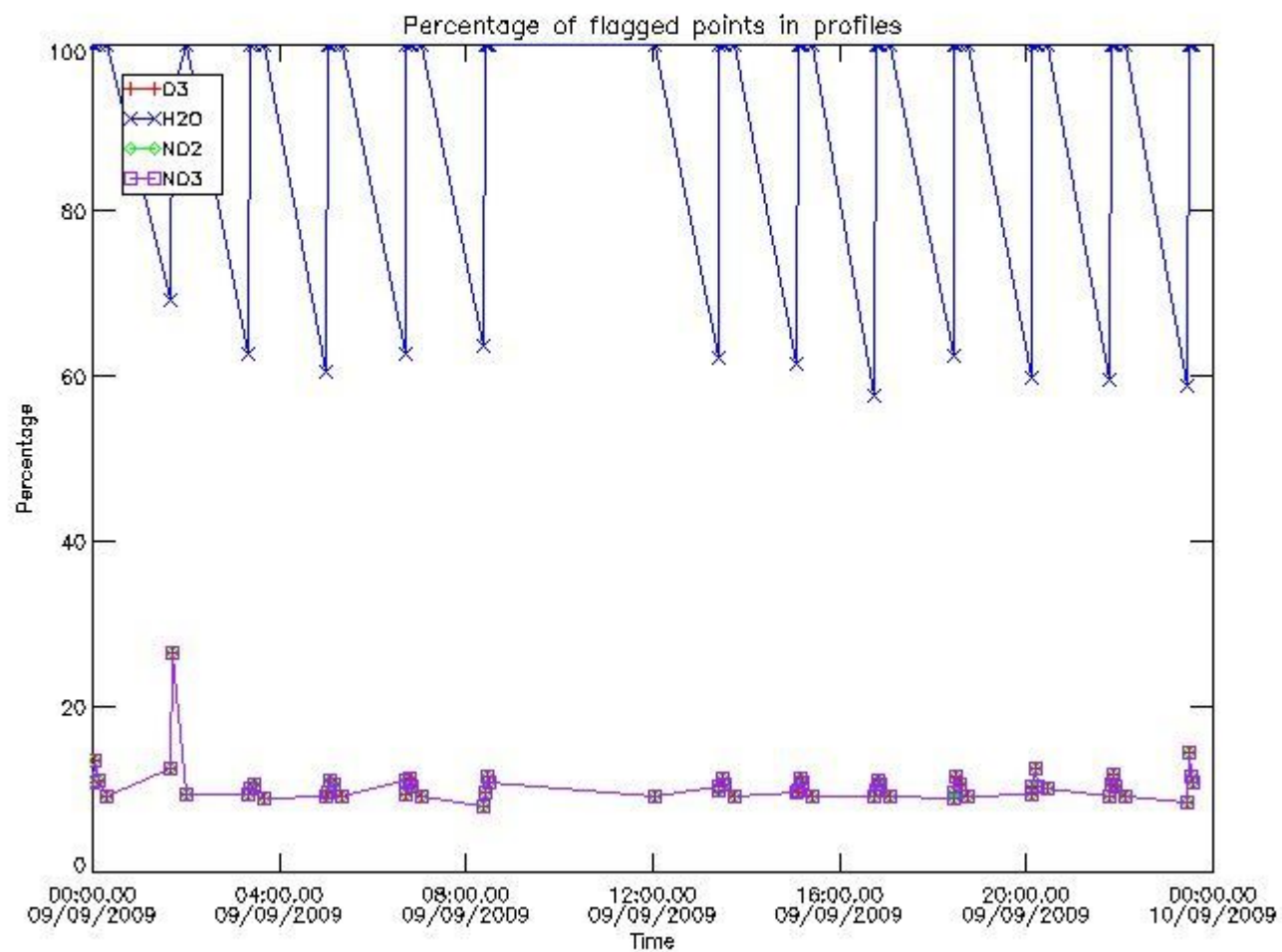
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161	GOM_NL__2PRFIN20090909_215459_000000492082_00229_39361_4978.N1	09-SEP-2009 21:54:59	Dark	49.000	108	Alp Col	2.6520	15200.	98	39361	No
162	GOM_NL__2PRFIN20090909_220711_000000552082_00230_39362_4984.N1	09-SEP-2009 22:07:11	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39362	No
163	GOM_NL__2PRFIN20090909_221344_000000492082_00230_39362_4985.N1	09-SEP-2009 22:13:44	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39362	No
164	GOM_NL__2PRFIN20090909_223314_000000612082_00230_39362_4986.N1	09-SEP-2009 22:33:14	Bright	61.000	90	54Alp Peg	2.4870	11000.	122	39362	No
165	GOM_NL__2PRFIN20090909_223728_000000382082_00230_39362_4987.N1	09-SEP-2009 22:37:28	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	39362	No
166	GOM_NL__2PRFIN20090909_224744_000000422082_00230_39362_4988.N1	09-SEP-2009 22:47:44	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39362	No
167	GOM_NL__2PRFIN20090909_224941_000000462082_00230_39362_4989.N1	09-SEP-2009 22:49:41	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39362	No
168	GOM_NL__2PRFIN20090909_230622_000000522082_00230_39362_4990.N1	09-SEP-2009 23:06:22	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	39362	No
169	GOM_NL__2PRFIN20090909_231105_000000592082_00230_39362_4991.N1	09-SEP-2009 23:11:05	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	39362	No
170	GOM_NL__2PRFIN20090909_231401_000000582082_00230_39362_4992.N1	09-SEP-2009 23:14:01	Tw_i_and_stray	57.500	170	27Eps Gem	3.0000	9700.0	115	39362	No
171	GOM_NL__2PRFIN20090909_231531_000000652082_00230_39362_4993.N1	09-SEP-2009 23:15:31	Tw_i_and_stray	65.000	151	13Mu Gem	2.8900	3000.0	130	39362	No
172	GOM_NL__2PRFIN20090909_231727_000000562082_00230_39362_4994.N1	09-SEP-2009 23:17:27	Tw_i_and_stray	55.500	44	24Gam Gem	1.9280	11000.	111	39362	No
173	GOM_NL__2PRFIN20090909_231917_000000472082_00230_39362_4995.N1	09-SEP-2009 23:19:17	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	39362	No
174	GOM_NL__2PRFIN20090909_232743_000000612082_00230_39362_4996.N1	09-SEP-2009 23:27:43	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	39362	No
175	GOM_NL__2PRFIN20090909_232919_000000532082_00230_39362_4997.N1	09-SEP-2009 23:29:19	Dark	53.000	47	2Bet CMa	1.9760	28000.	106	39362	No
176	GOM_NL__2PRFIN20090909_233219_000000442082_00230_39362_4998.N1	09-SEP-2009 23:32:19	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	39362	No
177	GOM_NL__2PRFIN20090909_233535_000000472082_00230_39362_4999.N1	09-SEP-2009 23:35:35	Dark	47.000	108	Alp Col	2.6520	15200.	94	39362	No

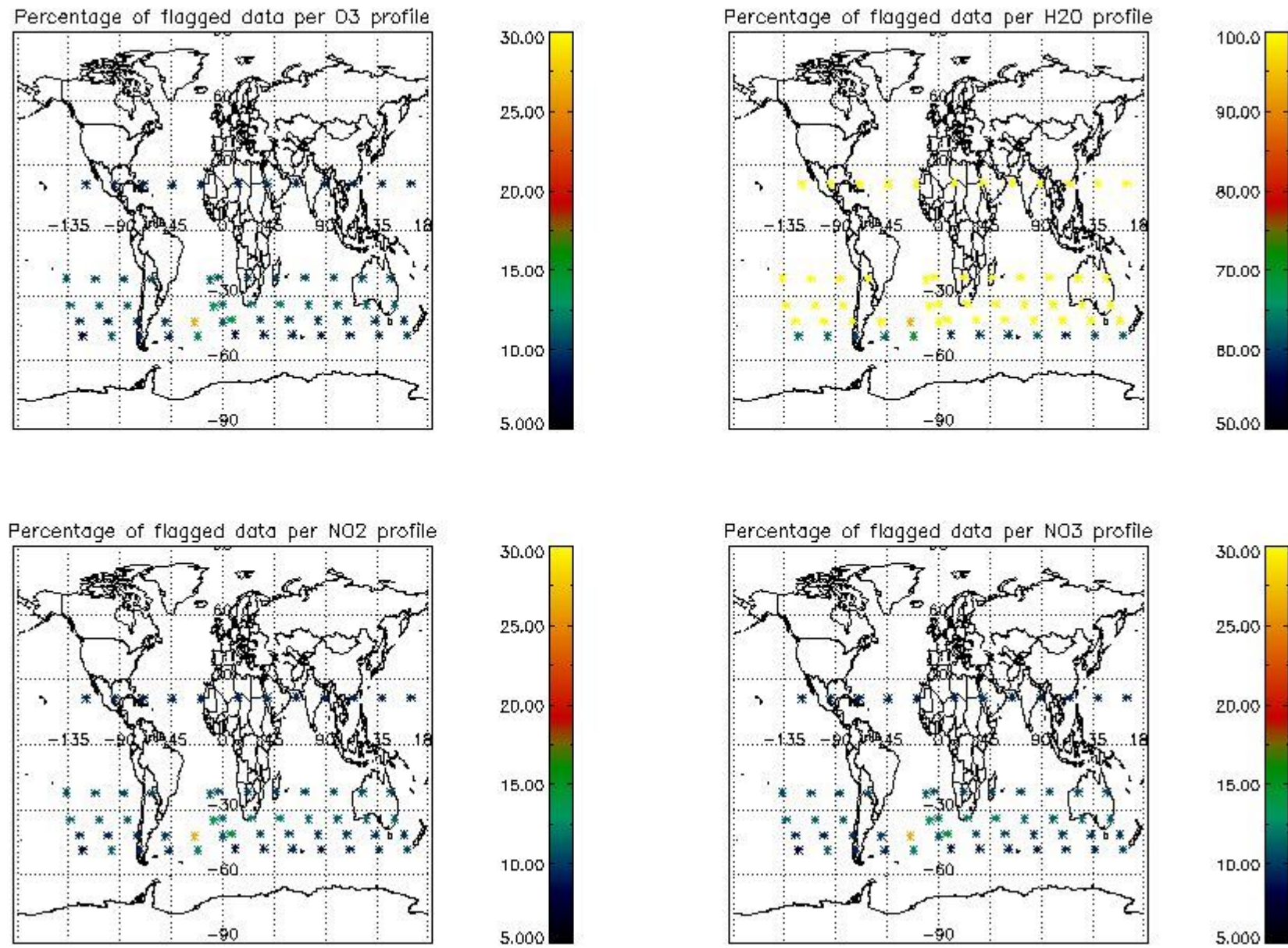
3. Quality information per product

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)

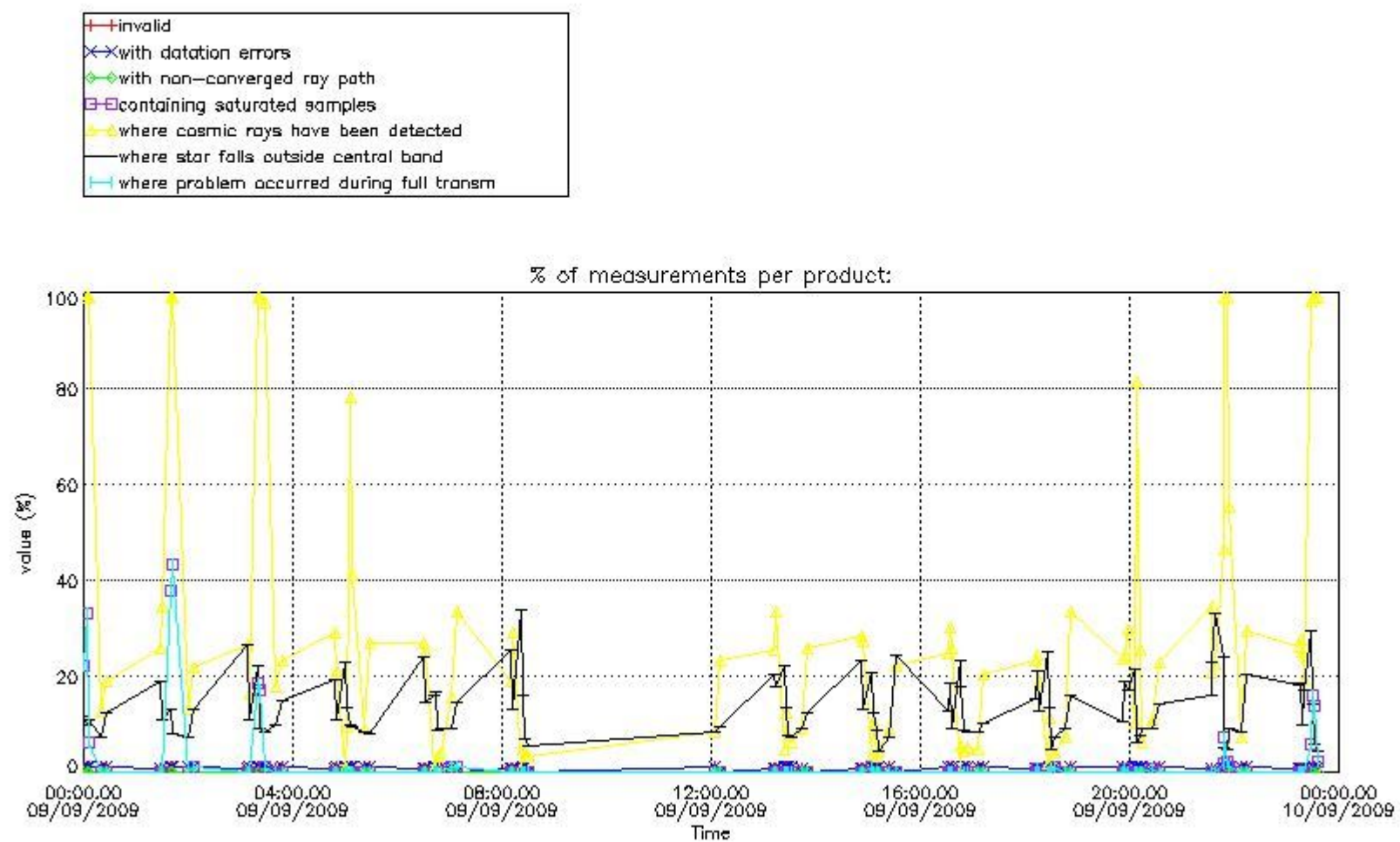


4. Level 1 quality information per product

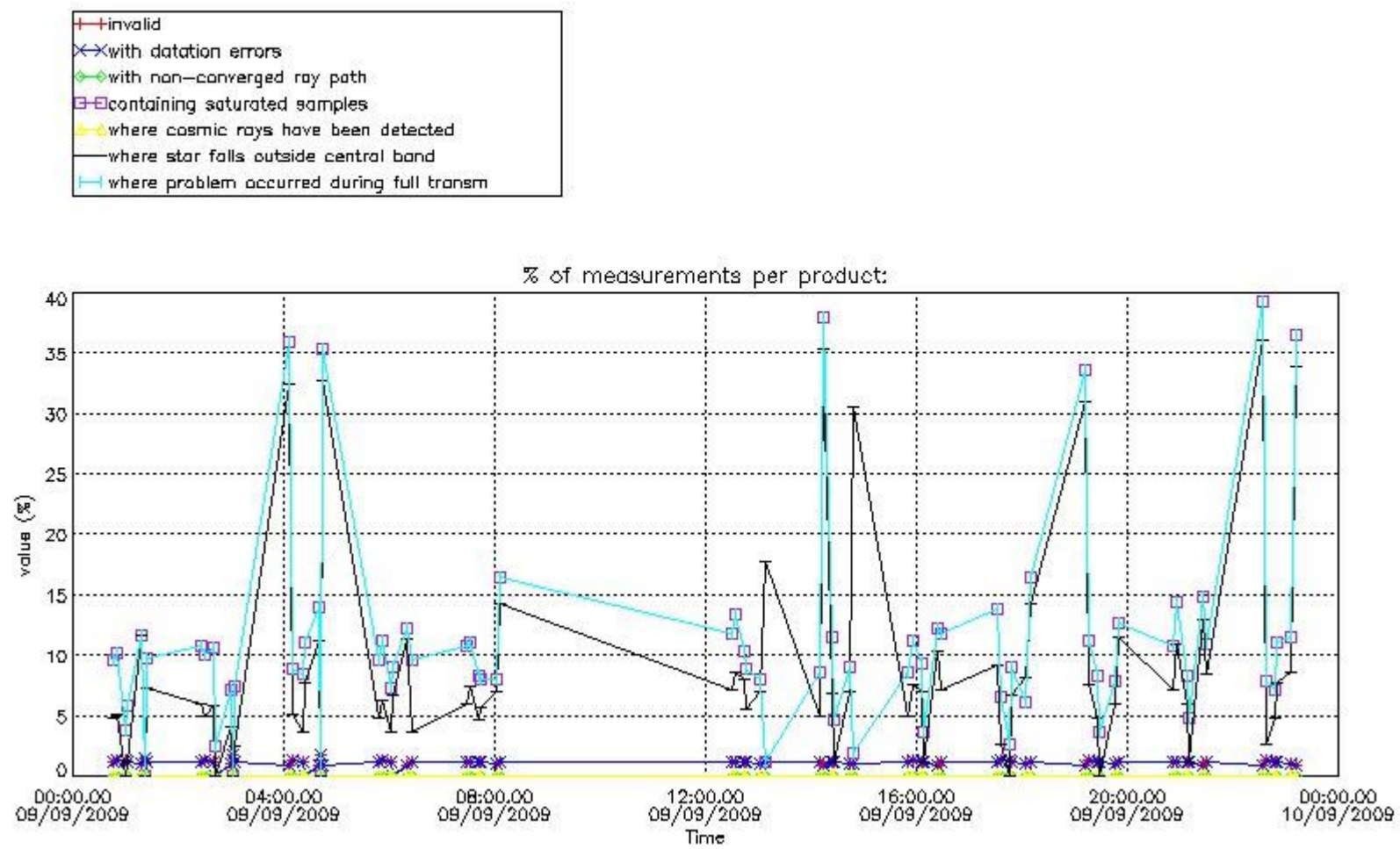
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

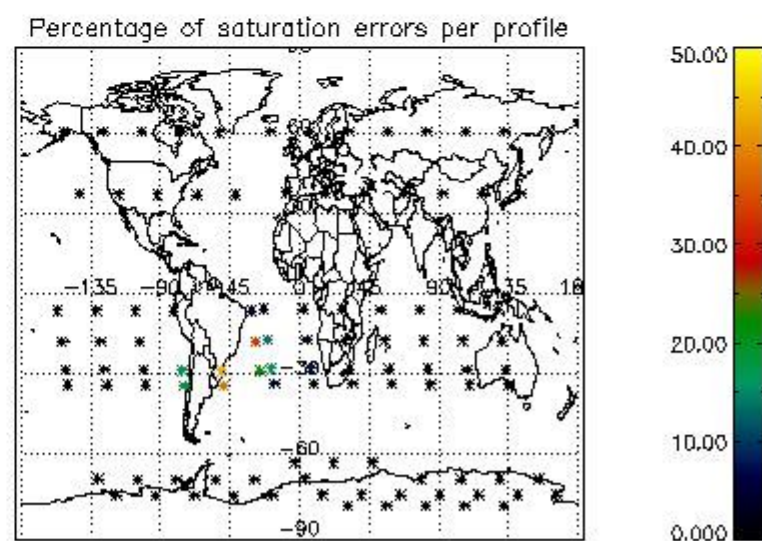
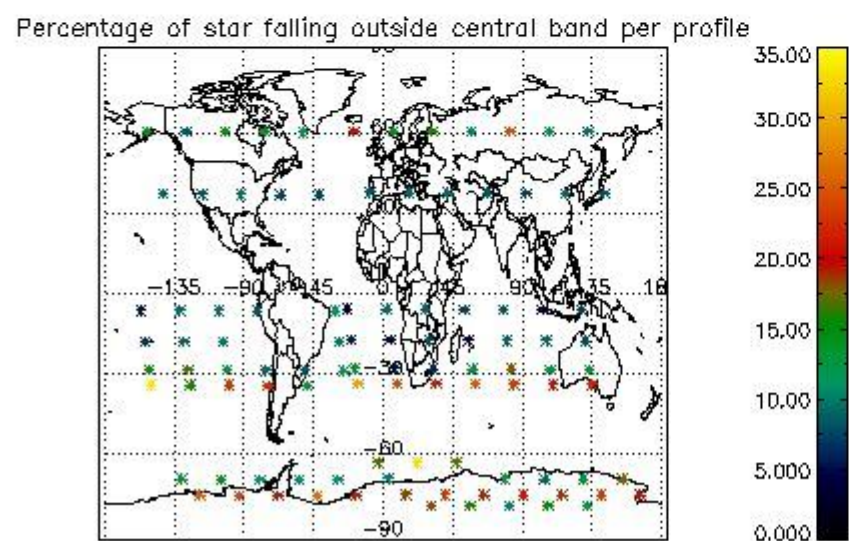
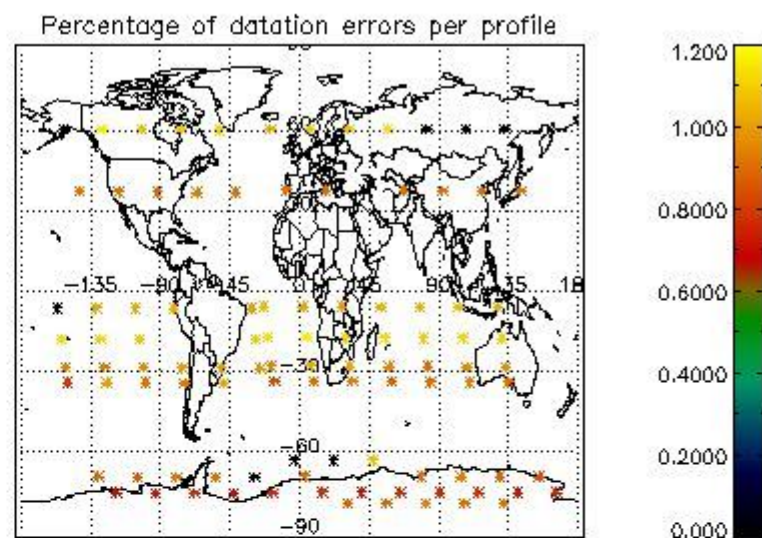
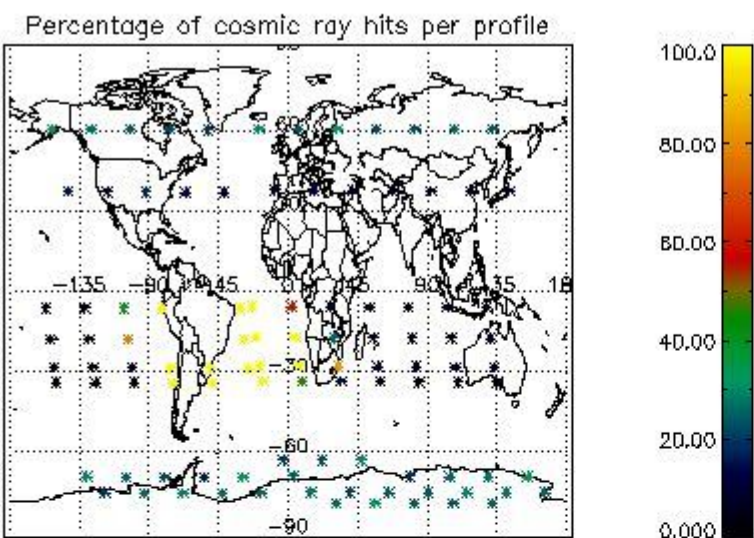


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

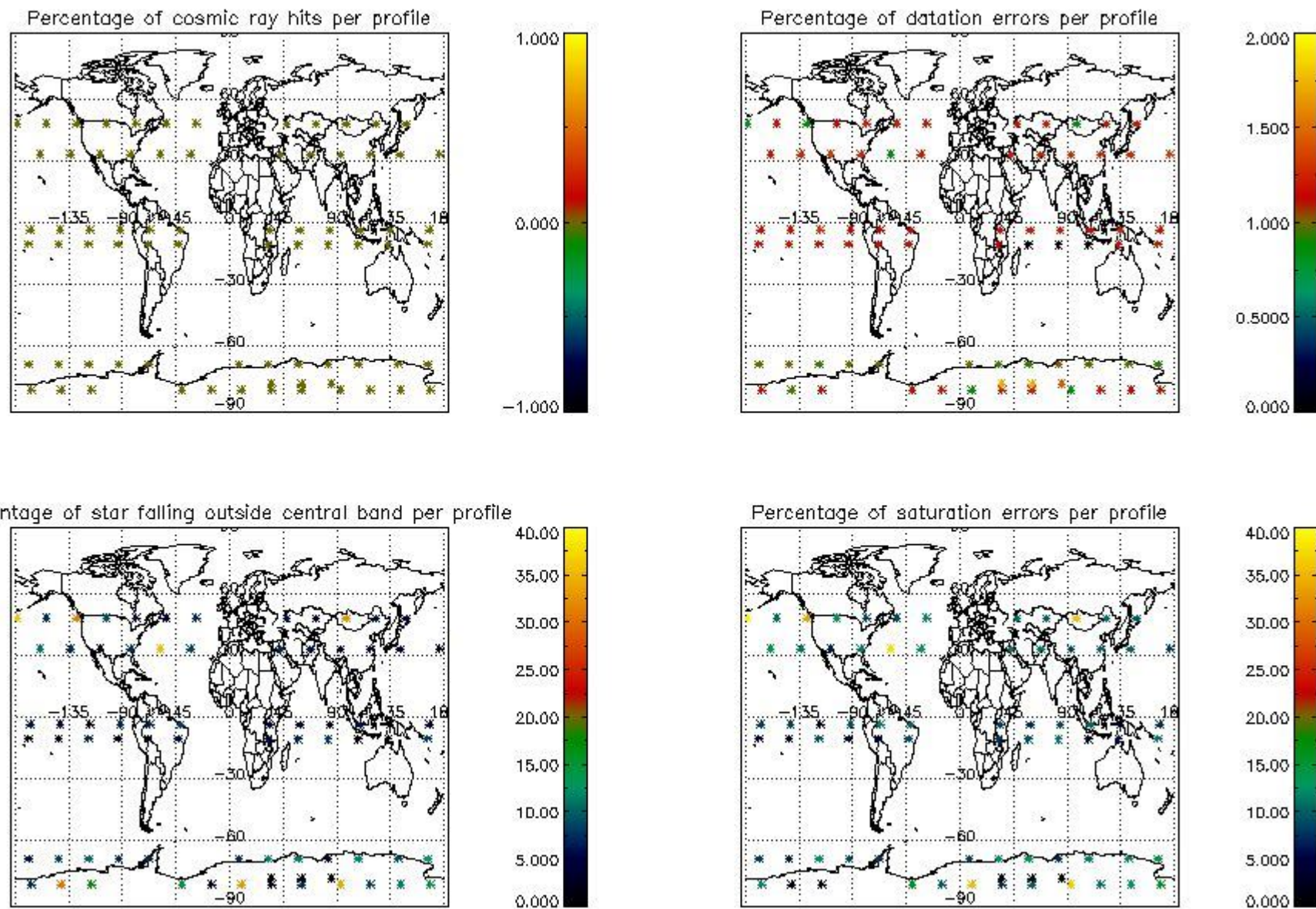


4.2 Plot quality information per product coming from level 1b processing (world map)

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

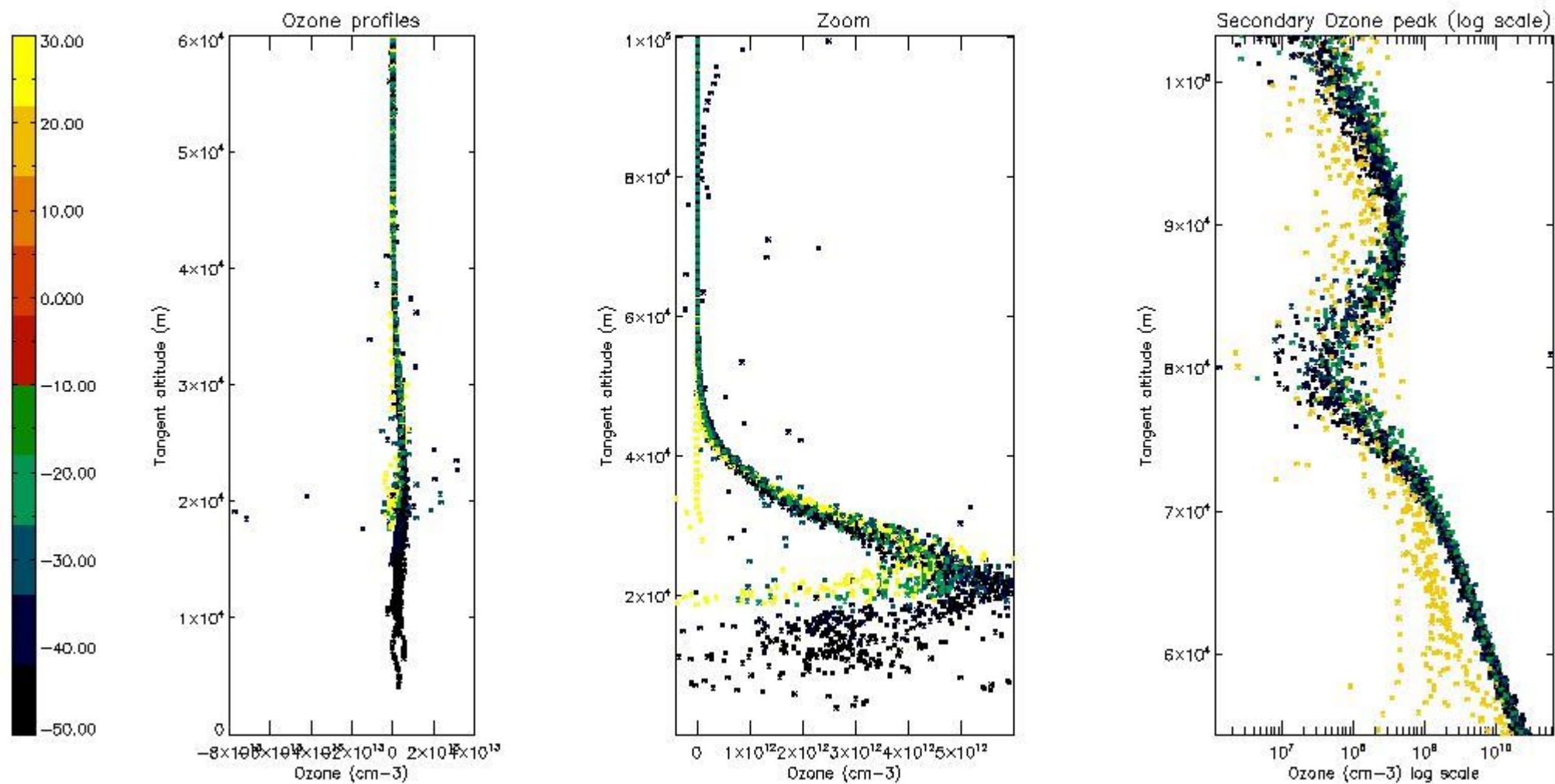
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	21

STD < 10	18
STD < 5	12

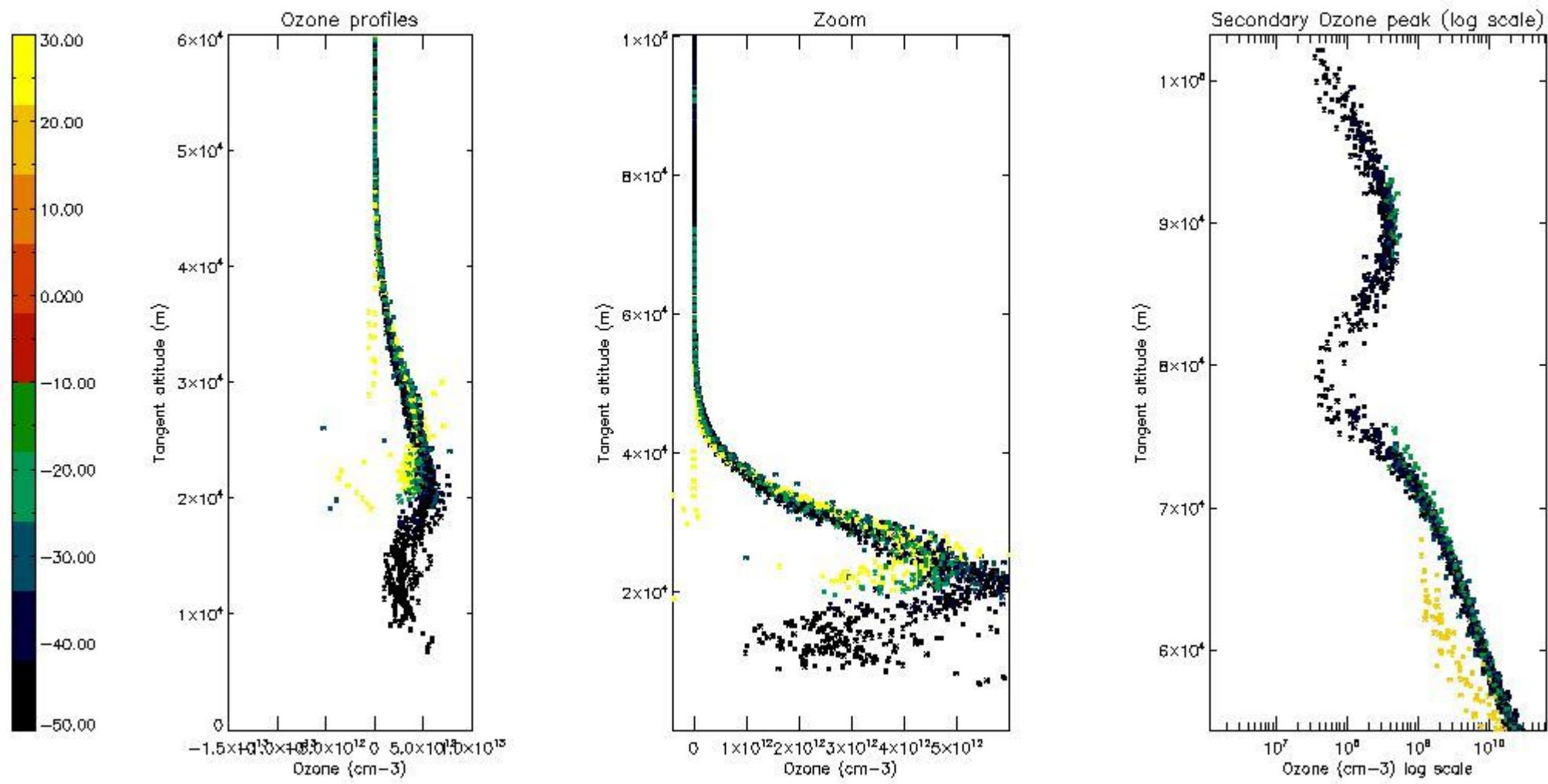
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



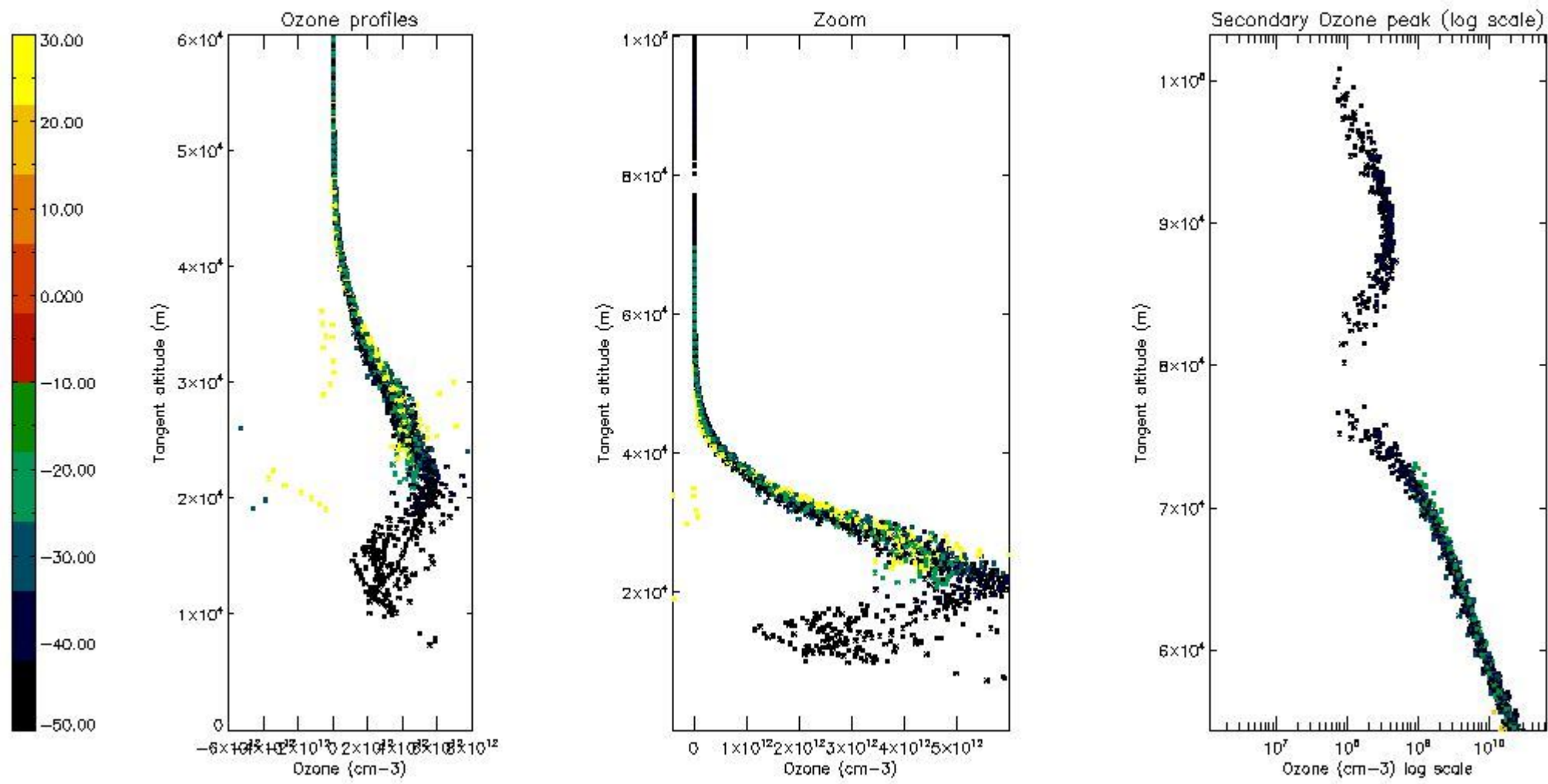
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



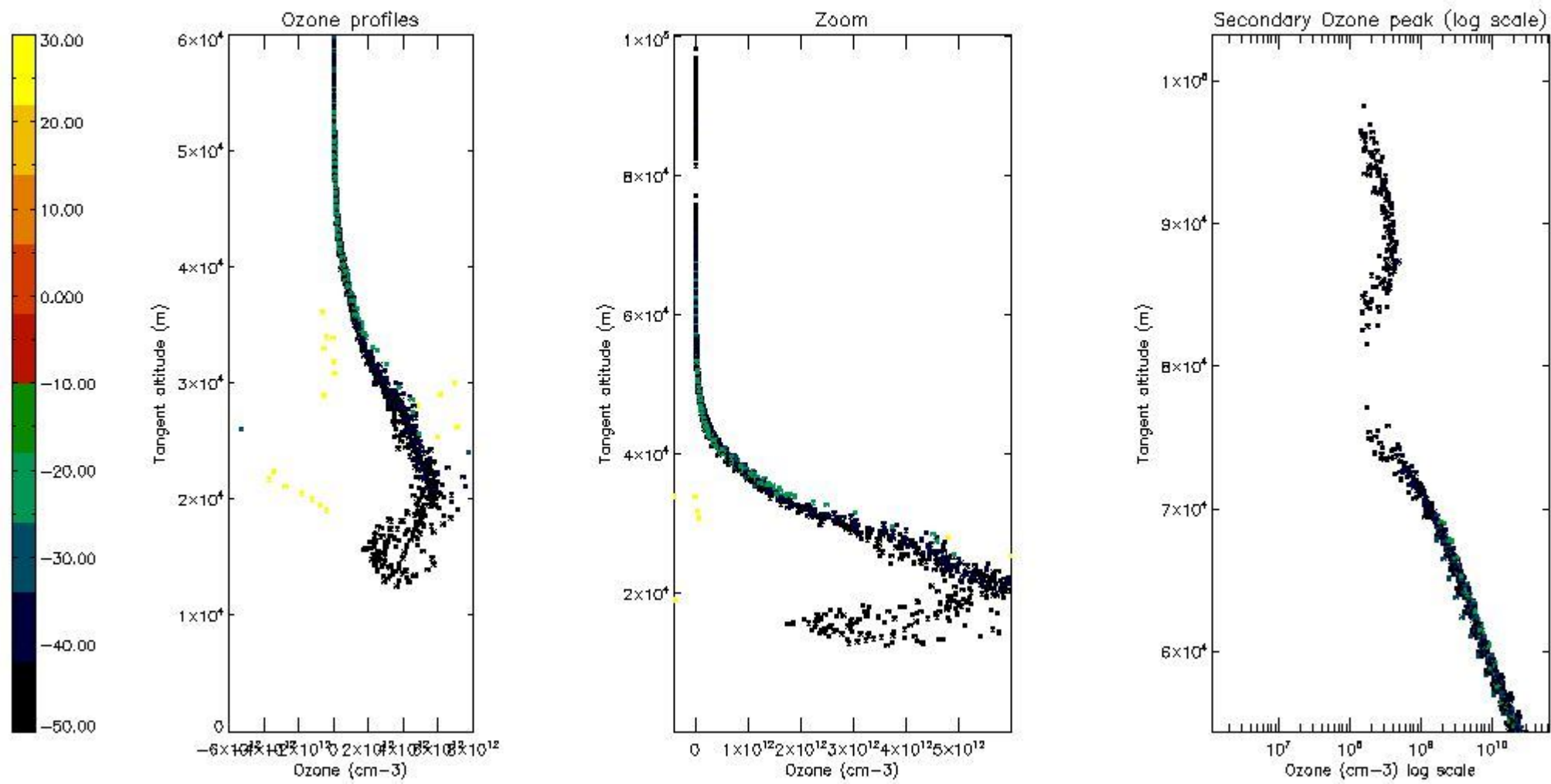
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



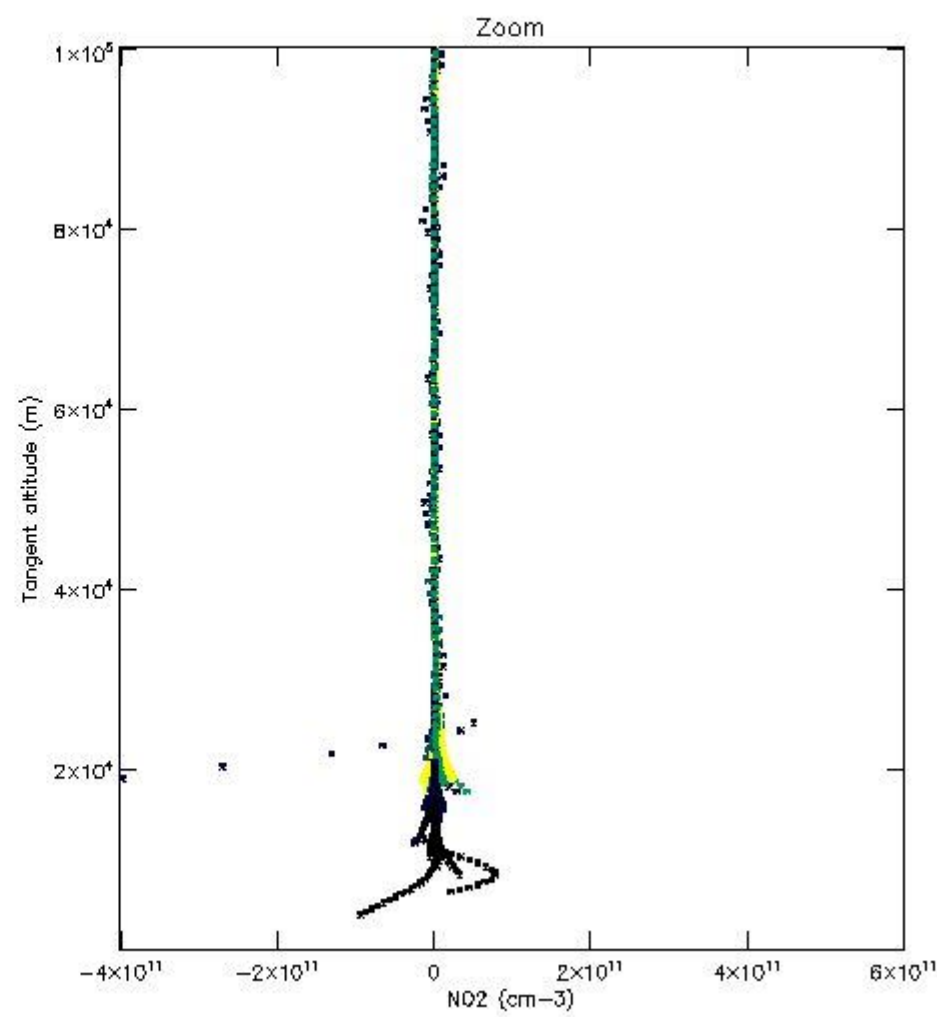
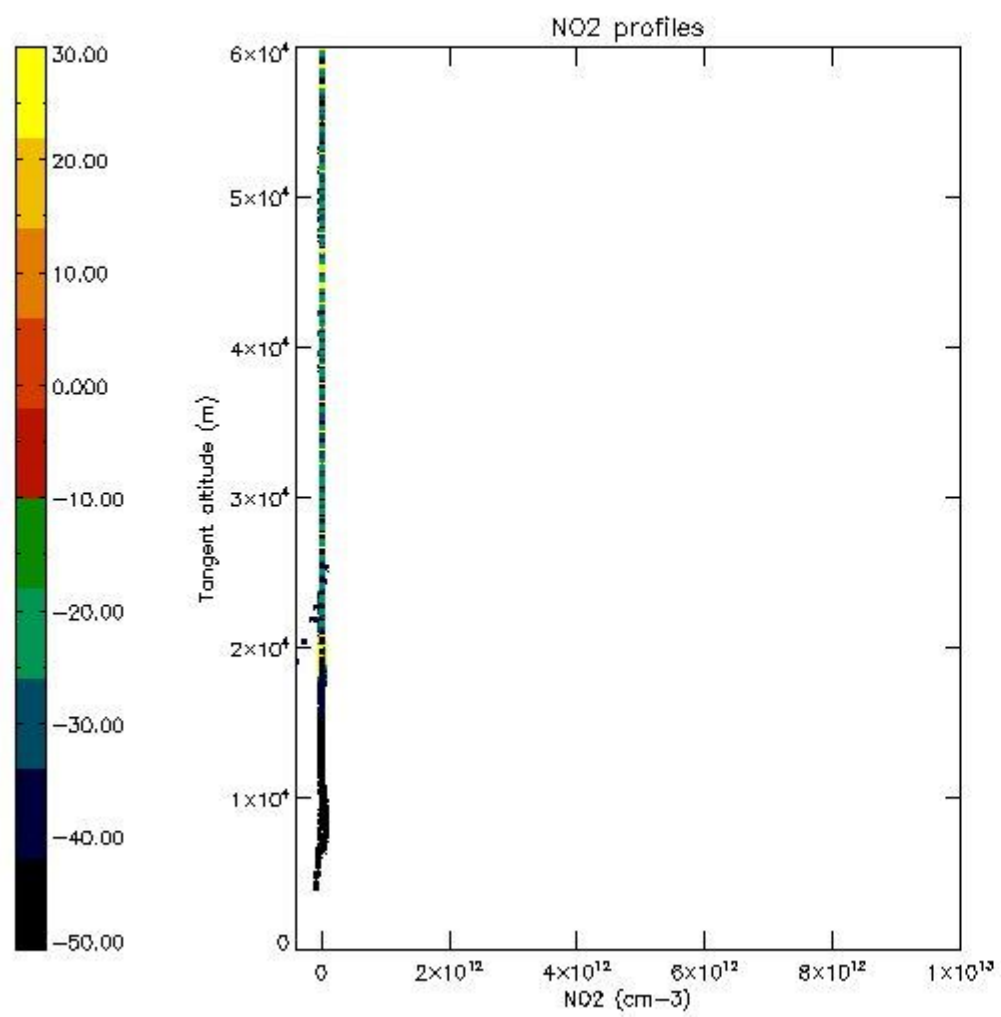
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



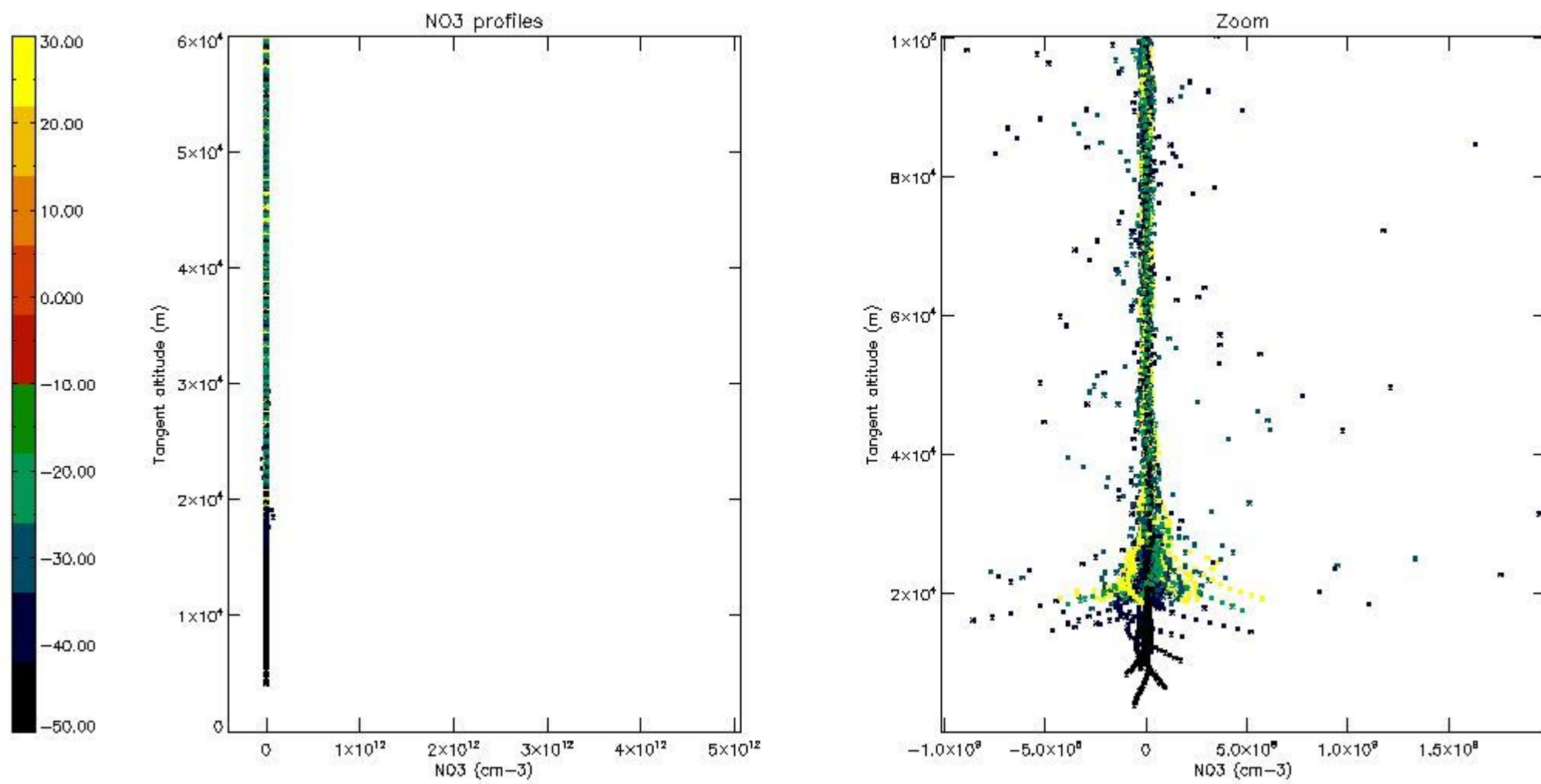
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



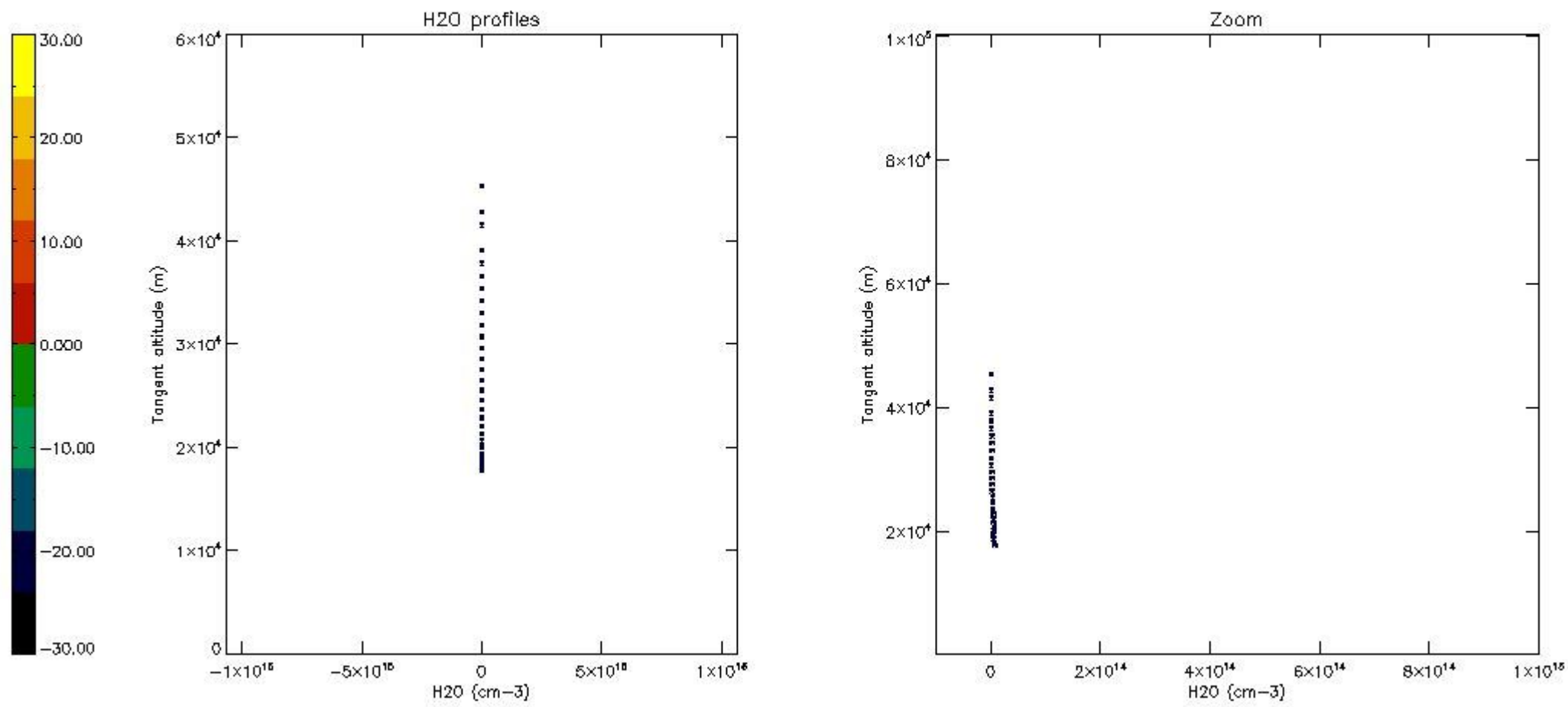
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-SEP-2009 00:00:42
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-SEP-2009 00:00:42
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-SEP-2009 00:00:42

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

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[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 12:35:42
Data source version	GOMOS/6.01
Start time of products	09-09-2009 (09SEP2009 00:00:00)
Stop time of products	10-09-2009 (10SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	177
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__2PRFIN20090909_000042_000000522082_00216_39348_4762.N1	09-SEP-2009 00:00:42	Dark	51.500	47	2Bet CMa	1.9760	28000.	103	39348	No
2	GOM_NL__2PRFIN20090909_000344_000000462082_00216_39348_4763.N1	09-SEP-2009 00:03:44	Dark	45.500	177	1Zet CMa	3.0220	26000.	91	39348	No
3	GOM_NL__2PRFIN20090909_000657_000000502082_00216_39348_4764.N1	09-SEP-2009 00:06:57	Dark	50.000	108	Alp Col	2.6520	15200.	100	39348	No
4	GOM_NL__2PRFIN20090909_001909_000000552082_00217_39349_4759.N1	09-SEP-2009 00:19:09	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39349	No
5	GOM_NL__2PRFIN20090909_002551_000000452082_00217_39349_4760.N1	09-SEP-2009 00:25:51	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	39349	No
6	GOM_NL__2PRFIN20090909_004531_000000422082_00217_39349_4761.N1	09-SEP-2009 00:45:31	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	39349	No
7	GOM_NL__2PRFIN20090909_004944_000000402082_00217_39349_4762.N1	09-SEP-2009 00:49:44	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	39349	No
8	GOM_NL__2PRFIN20090909_010004_000000402082_00217_39349_4763.N1	09-SEP-2009 01:00:04	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	39349	No
9	GOM_NL__2PRFIN20090909_010203_000000432082_00217_39349_4764.N1	09-SEP-2009 01:02:03	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39349	No
10	GOM_NL__2PRFIN20090909_011838_000000522082_00217_39349_4765.N1	09-SEP-2009 01:18:38	Bright	51.500	42	34Bet Aur	1.9000	10200.	103	39349	No
11	GOM_NL__2PRFIN20090909_012146_000000352082_00217_39349_4766.N1	09-SEP-2009 01:21:46	Twilight	35.000	107	37The Aur	2.6490	11000.	70	39349	No
12	GOM_NL__2PRFIN20090909_012316_000000412082_00217_39349_4767.N1	09-SEP-2009 01:23:16	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	39349	No
13	GOM_NL__2PRFIN20090909_012738_000000662082_00217_39349_4768.N1	09-SEP-2009 01:27:38	Twilight	65.500	151	13Mu Gem	2.8900	3000.0	131	39349	No
14	GOM_NL__2PRFIN20090909_012933_000000552082_00217_39349_4769.N1	09-SEP-2009 01:29:33	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	39349	No
15	GOM_NL__2PRFIN20090909_013945_000000492082_00217_39349_4770.N1	09-SEP-2009 01:39:45	Dark	49.000	1	9Alp CMa	-1.4400	11000.	98	39349	No
16	GOM_NL__2PRFIN20090909_014119_000000502082_00217_39349_4771.N1	09-SEP-2009 01:41:19	Dark	49.500	47	2Bet CMa	1.9760	28000.	99	39349	No
17	GOM_NL__2PRFIN20090909_015946_000000542082_00218_39350_4773.N1	09-SEP-2009 01:59:46	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39350	No
18	GOM_NL__2PRFIN20090909_020628_000000462082_00218_39350_4774.N1	09-SEP-2009 02:06:28	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	39350	No
19	GOM_NL__2PRFIN20090909_022607_000000422082_00218_39350_4775.N1	09-SEP-2009 02:26:07	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39350	No
20	GOM_NL__2PRFIN20090909_023020_000000402082_00218_39350_4776.N1	09-SEP-2009 02:30:20	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39350	No
21	GOM_NL__2PRFIN20090909_024040_000000432082_00218_39350_4777.N1	09-SEP-2009 02:40:40	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	39350	No
22	GOM_NL__2PRFIN20090909_024238_000000412082_00218_39350_4778.N1	09-SEP-2009 02:42:38	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	39350	No
23	GOM_NL__2PRFIN20090909_025914_000000492082_00218_39350_4779.N1	09-SEP-2009 02:59:14	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	39350	No
24	GOM_NL__2PRFIN20090909_030222_000000292082_00218_39350_4780.N1	09-SEP-2009 03:02:22	Twilight	29.000	107	37The Aur	2.6490	11000.	58	39350	No
25	GOM_NL__2PRFIN20090909_030352_000000412082_00218_39350_4781.N1	09-SEP-2009 03:03:52	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	39350	No
26	GOM_NL__2PRFIN20090909_030814_000000722082_00218_39350_4782.N1	09-SEP-2009 03:08:14	Twilight	72.000	151	13Mu Gem	2.8900	3000.0	144	39350	No
27	GOM_NL__2PRFIN20090909_031009_000000552082_00218_39350_4783.N1	09-SEP-2009 03:10:09	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	39350	No
28	GOM_NL__2PRFIN20090909_032022_000000542082_00218_39350_4784.N1	09-SEP-2009 03:20:22	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	39350	No
29	GOM_NL__2PRFIN20090909_032156_000000502082_00218_39350_4785.N1	09-SEP-2009 03:21:56	Dark	50.000	47	2Bet CMa	1.9760	28000.	100	39350	No
30	GOM_NL__2PRFIN20090909_032811_000000482082_00218_39350_4786.N1	09-SEP-2009 03:28:11	Dark	48.000	108	Alp Col	2.6520	15200.	96	39350	No
31	GOM_NL__2PRFIN20090909_034023_000000572082_00219_39351_4788.N1	09-SEP-2009 03:40:23	Dark	56.500	157	The1Eri	2.9060	9300.0	113	39351	No
32	GOM_NL__2PRFIN20090909_034704_000000472082_00219_39351_4789.N1	09-SEP-2009 03:47:04	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39351	No
33	GOM_NL__2PRFIN20090909_040642_000000592082_00219_39351_4790.N1	09-SEP-2009 04:06:42	Bright	58.500	90	54Alp Peg	2.4870	11000.	117	39351	No
34	GOM_NL__2PRFIN20090909_041056_000000402082_00219_39351_4791.N1	09-SEP-2009 04:10:56	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	39351	No
35	GOM_NL__2PRFIN20090909_042115_000000422082_00219_39351_4792.N1	09-SEP-2009 04:21:15	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39351	No
36	GOM_NL__2PRFIN20090909_042313_000000452082_00219_39351_4793.N1	09-SEP-2009 04:23:13	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39351	No
37	GOM_NL__2PRFIN20090909_043949_000000542082_00219_39351_4794.N1	09-SEP-2009 04:39:49	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	39351	No
38	GOM_NL__2PRFIN20090909_044258_000000292082_00219_39351_4795.N1	09-SEP-2009 04:42:58	Twilight	29.000	107	37The Aur	2.6490	11000.	58	39351	No
39	GOM_NL__2PRFIN20090909_044428_000000582082_00219_39351_4796.N1	09-SEP-2009 04:44:28	Bright	58.000	24	66Alp Gem	1.5800	10200.	116	39351	No
40	GOM_NL__2PRFIN20090909_044851_000000652082_00219_39351_4797.N1	09-SEP-2009 04:48:51	Twilight	65.000	151	13Mu Gem	2.8900	3000.0	130	39351	No
41	GOM_NL__2PRFIN20090909_045046_000000552082_00219_39351_4798.N1	09-SEP-2009 04:50:46	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	39351	No
42	GOM_NL__2PRFIN20090909_050059_000000552082_00219_39351_4799.N1	09-SEP-2009 05:00:59	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	39351	No



43	GOM_NL__2PRFIN20090909_050233_00000532082_00219_39351_4800.N1	09-SEP-2009 05:02:33	Dark	52.500	47	2Bet CMa	1.9760	28000.	105	39351	No
44	GOM_NL__2PRFIN20090909_050534_00000462082_00219_39351_4801.N1	09-SEP-2009 05:05:34	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	39351	No
45	GOM_NL__2PRFIN20090909_050848_00000492082_00219_39351_4802.N1	09-SEP-2009 05:08:48	Dark	48.500	108	Alp Col	2.6520	15200.	97	39351	No
46	GOM_NL__2PRFIN20090909_052100_00000552082_00220_39352_4802.N1	09-SEP-2009 05:21:00	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39352	No
47	GOM_NL__2PRFIN20090909_052741_00000432082_00220_39352_4803.N1	09-SEP-2009 05:27:41	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	39352	No
48	GOM_NL__2PRFIN20090909_054718_00000422082_00220_39352_4804.N1	09-SEP-2009 05:47:18	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	39352	No
49	GOM_NL__2PRFIN20090909_055132_00000402082_00220_39352_4805.N1	09-SEP-2009 05:51:32	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39352	No
50	GOM_NL__2PRFIN20090909_060151_00000422082_00220_39352_4806.N1	09-SEP-2009 06:01:51	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39352	No
51	GOM_NL__2PRFIN20090909_060349_00000452082_00220_39352_4807.N1	09-SEP-2009 06:03:49	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39352	No
52	GOM_NL__2PRFIN20090909_062025_00000532082_00220_39352_4808.N1	09-SEP-2009 06:20:25	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	39352	No
53	GOM_NL__2PRFIN20090909_062504_00000422082_00220_39352_4809.N1	09-SEP-2009 06:25:04	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	39352	No
54	GOM_NL__2PRFIN20090909_062927_00000692082_00220_39352_4810.N1	09-SEP-2009 06:29:27	Twilight_stray	69.000	151	13Mu Gem	2.8900	3000.0	138	39352	No
55	GOM_NL__2PRFIN20090909_063122_00000582082_00220_39352_4811.N1	09-SEP-2009 06:31:22	Twilight_stray	58.000	44	24Gam Gem	1.9280	11000.	116	39352	No
56	GOM_NL__2PRFIN20090909_064135_00000502082_00220_39352_4812.N1	09-SEP-2009 06:41:35	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	39352	No
57	GOM_NL__2PRFIN20090909_064310_00000542082_00220_39352_4813.N1	09-SEP-2009 06:43:10	Dark	54.000	47	2Bet CMa	1.9760	28000.	108	39352	No
58	GOM_NL__2PRFIN20090909_064611_00000452082_00220_39352_4814.N1	09-SEP-2009 06:46:11	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	39352	No
59	GOM_NL__2PRFIN20090909_064925_00000492082_00220_39352_4815.N1	09-SEP-2009 06:49:25	Dark	49.000	108	Alp Col	2.6520	15200.	98	39352	No
60	GOM_NL__2PRFIN20090909_070138_00000552082_00221_39353_4818.N1	09-SEP-2009 07:01:38	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39353	No
61	GOM_NL__2PRFIN20090909_070817_00000452082_00221_39353_4819.N1	09-SEP-2009 07:08:17	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	39353	No
62	GOM_NL__2PRFIN20090909_072753_00000422082_00221_39353_4820.N1	09-SEP-2009 07:27:53	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39353	No
63	GOM_NL__2PRFIN20090909_073207_00000412082_00221_39353_4821.N1	09-SEP-2009 07:32:07	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39353	No
64	GOM_NL__2PRFIN20090909_074226_00000432082_00221_39353_4822.N1	09-SEP-2009 07:42:26	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	39353	No
65	GOM_NL__2PRFIN20090909_074424_00000442082_00221_39353_4823.N1	09-SEP-2009 07:44:24	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39353	No
66	GOM_NL__2PRFIN20090909_080101_00000502082_00221_39353_4824.N1	09-SEP-2009 08:01:01	Bright	50.000	42	34Bet Aur	1.9000	10200.	100	39353	No
67	GOM_NL__2PRFIN20090909_080540_00000462082_00221_39353_4825.N1	09-SEP-2009 08:05:40	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	39353	No
68	GOM_NL__2PRFIN20090909_081003_00000712082_00221_39353_4826.N1	09-SEP-2009 08:10:03	Twilight_stray	71.000	151	13Mu Gem	2.8900	3000.0	142	39353	No
69	GOM_NL__2PRFIN20090909_081159_00000572082_00221_39353_4827.N1	09-SEP-2009 08:11:59	Twilight_stray	57.000	44	24Gam Gem	1.9280	11000.	114	39353	No
70	GOM_NL__2PRFIN20090909_082212_00000642082_00221_39353_4828.N1	09-SEP-2009 08:22:12	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	39353	No
71	GOM_NL__2PRFIN20090909_082347_00000542082_00221_39353_4829.N1	09-SEP-2009 08:23:47	Dark	53.500	47	2Bet CMa	1.9760	28000.	107	39353	No
72	GOM_NL__2PRFIN20090909_082648_00000452082_00221_39353_4830.N1	09-SEP-2009 08:26:48	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	39353	No
73	GOM_NL__2PRFIN20090909_083002_00000472082_00221_39353_4831.N1	09-SEP-2009 08:30:02	Dark	47.000	108	Alp Col	2.6520	15200.	94	39353	No
74	GOM_NL__2PRFIN20090909_120329_00000552082_00224_39356_4867.N1	09-SEP-2009 12:03:29	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39356	No
75	GOM_NL__2PRFIN20090909_121006_00000432082_00224_39356_4868.N1	09-SEP-2009 12:10:06	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	39356	No
76	GOM_NL__2PRFIN20090909_122940_00000432082_00224_39356_4869.N1	09-SEP-2009 12:29:40	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	39356	No
77	GOM_NL__2PRFIN20090909_123354_00000412082_00224_39356_4870.N1	09-SEP-2009 12:33:54	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	39356	No
78	GOM_NL__2PRFIN20090909_124412_00000442082_00224_39356_4871.N1	09-SEP-2009 12:44:12	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39356	No
79	GOM_NL__2PRFIN20090909_124610_00000452082_00224_39356_4872.N1	09-SEP-2009 12:46:10	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39356	No
80	GOM_NL__2PRFIN20090909_130248_00000502082_00224_39356_4873.N1	09-SEP-2009 13:02:48	Bright	50.000	42	34Bet Aur	1.9000	10200.	100	39356	No
81	GOM_NL__2PRFIN20090909_130728_00000452082_00224_39356_4874.N1	09-SEP-2009 13:07:28	Bright	45.000	24	66Alp Gem	1.5800	10200.	90	39356	No
82	GOM_NL__2PRFIN20090909_131152_00000672082_00224_39356_4875.N1	09-SEP-2009 13:11:52	Twilight_stray	66.500	151	13Mu Gem	2.8900	3000.0	133	39356	No
83	GOM_NL__2PRFIN20090909_131348_00000602082_00224_39356_4876.N1	09-SEP-2009 13:13:48	Twilight_stray	59.500	44	24Gam Gem	1.9280	11000.	119	39356	No
84	GOM_NL__2PRFIN20090909_132402_00000552082_00224_39356_4877.N1	09-SEP-2009 13:24:02	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	39356	No
85	GOM_NL__2PRFIN20090909_132538_00000522082_00224_39356_4878.N1	09-SEP-2009 13:25:38	Dark	52.000	47	2Bet CMa	1.9760	28000.	104	39356	No
86	GOM_NL__2PRFIN20090909_132838_00000452082_00224_39356_4879.N1	09-SEP-2009 13:28:38	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	39356	No
87	GOM_NL__2PRFIN20090909_133153_00000482082_00224_39356_4880.N1	09-SEP-2009 13:31:53	Dark	48.000	108	Alp Col	2.6520	15200.	96	39356	No
88	GOM_NL__2PRFIN20090909_134405_00000562082_00225_39357_4881.N1	09-SEP-2009 13:44:05	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39357	No
89	GOM_NL__2PRFIN20090909_135042_00000452082_00225_39357_4882.N1	09-SEP-2009 13:50:42	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39357	No
90	GOM_NL__2PRFIN20090909_141016_00000412082_00225_39357_4883.N1	09-SEP-2009 14:10:16	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	39357	No
91	GOM_NL__2PRFIN20090909_141430_00000582082_00225_39357_4884.N1	09-SEP-2009 14:14:30	Bright	58.000	164	44Eta Peg	2.9480	5400.0	116	39357	No
92	GOM_NL__2PRFIN20090909_142447_00000442082_00225_39357_4885.N1	09-SEP-2009 14:24:47	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39357	No
93	GOM_NL__2PRFIN20090909_142645_00000432082_00225_39357_4886.N1	09-SEP-2009 14:26:45	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39357	No
94	GOM_NL__2PRFIN20090909_144324_00000502082_00225_39357_4887.N1	09-SEP-2009 14:43:24	Bright	50.000	42	34Bet Aur	1.9000	10200.	100	39357	No
95	GOM_NL__2PRFIN20090909_144805_00000532082_00225_39357_4888.N1	09-SEP-2009 14:48:05	Bright	52.500	24	66Alp Gem	1.5800	10200.	105	39357	No
96	GOM_NL__2PRFIN20090909_145229_00000692082_00225_39357_4889.N1	09-SEP-2009 14:52:29	Twilight_stray	69.000	151	13Mu Gem	2.8900	3000.0	138	39357	No
97	GOM_NL__2PRFIN20090909_145425_00000572082_00225_39357_4890.N1	09-SEP-2009 14:54:25	Twilight_stray	57.000	44	24Gam Gem	1.9280	11000.	114	39357	No
98	GOM_NL__2PRFIN20090909_150439_00000542082_00225_39357_4891.N1	09-SEP-2009 15:04:39	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	39357	No
99	GOM_NL__2PRFIN20090909_150615_00000522082_00225_39357_4892.N1	09-SEP-2009 15:06:15	Dark	52.000	47	2Bet CMa	1.9760	28000.	104	39357	No
100	GOM_NL__2PRFIN20090909_150915_00000452082_00225_39357_4893.N1	09-SEP-2009 15:09:15	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	39357	No
101	GOM_NL__2PRFIN20090909_151230_00000472082_00225_39357_4894.N1	09-SEP-2009 15:12:30	Dark	47.000	108	Alp Col	2.6520	15200.	94	39357	No

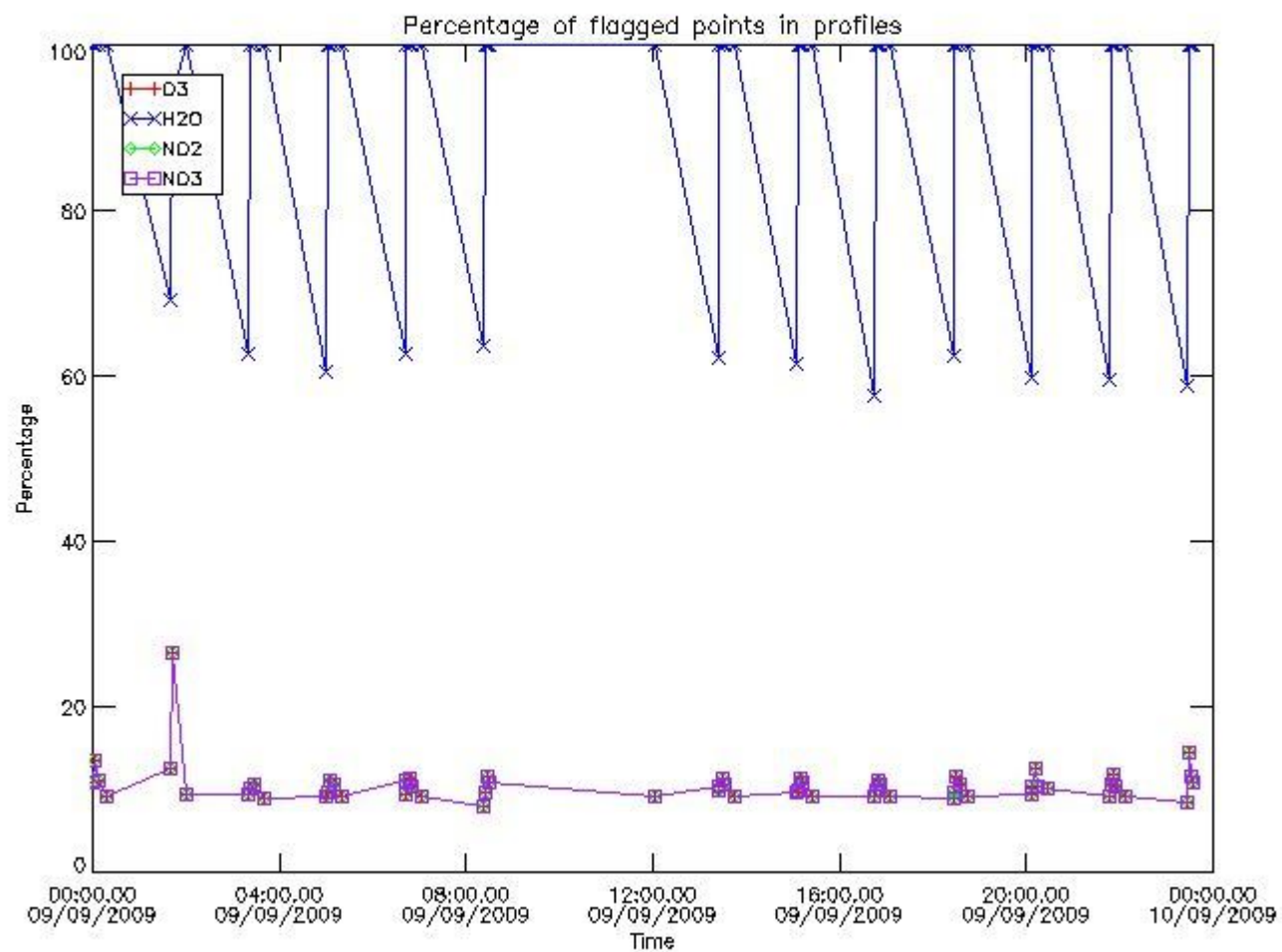
102	GOM_NL__2PRFIN20090909_152442_000000552082_00226_39358_4916.N1	09-SEP-2009 15:24:42	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39358	No
103	GOM_NL__2PRFIN20090909_153119_000000522082_00226_39358_4917.N1	09-SEP-2009 15:31:19	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	39358	No
104	GOM_NL__2PRFIN20090909_155052_000000412082_00226_39358_4918.N1	09-SEP-2009 15:50:52	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	39358	No
105	GOM_NL__2PRFIN20090909_155505_000000402082_00226_39358_4919.N1	09-SEP-2009 15:55:05	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39358	No
106	GOM_NL__2PRFIN20090909_160523_000000432082_00226_39358_4920.N1	09-SEP-2009 16:05:23	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39358	No
107	GOM_NL__2PRFIN20090909_160720_000000422082_00226_39358_4921.N1	09-SEP-2009 16:07:20	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39358	No
108	GOM_NL__2PRFIN20090909_162359_000000532082_00226_39358_4922.N1	09-SEP-2009 16:23:59	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	39358	No
109	GOM_NL__2PRFIN20090909_162841_000000432082_00226_39358_4923.N1	09-SEP-2009 16:28:41	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39358	No
110	GOM_NL__2PRFIN20090909_163136_000000552082_00226_39358_4924.N1	09-SEP-2009 16:31:36	Twi_and_stray	54.500	170	27Eps Gem	3.0000	9700.0	109	39358	No
111	GOM_NL__2PRFIN20090909_163305_000000652082_00226_39358_4925.N1	09-SEP-2009 16:33:05	Twi_and_stray	64.500	151	13Mu Gem	2.8900	3000.0	129	39358	No
112	GOM_NL__2PRFIN20090909_163501_000000542082_00226_39358_4926.N1	09-SEP-2009 16:35:01	Twi_and_stray	54.000	44	24Gam Gem	1.9280	11000.	108	39358	No
113	GOM_NL__2PRFIN20090909_164516_000000562082_00226_39358_4927.N1	09-SEP-2009 16:45:16	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	39358	No
114	GOM_NL__2PRFIN20090909_164652_000000562082_00226_39358_4928.N1	09-SEP-2009 16:46:52	Dark	56.000	47	2Bet CMa	1.9760	28000.	112	39358	No
115	GOM_NL__2PRFIN20090909_164952_000000462082_00226_39358_4929.N1	09-SEP-2009 16:49:52	Dark	45.500	177	1Zet CMa	3.0220	26000.	91	39358	No
116	GOM_NL__2PRFIN20090909_165307_000000482082_00226_39358_4930.N1	09-SEP-2009 16:53:07	Dark	48.000	108	Alp Col	2.6520	15200.	96	39358	No
117	GOM_NL__2PRFIN20090909_170520_000000552082_00227_39359_4932.N1	09-SEP-2009 17:05:20	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39359	No
118	GOM_NL__2PRFIN20090909_171155_000000442082_00227_39359_4933.N1	09-SEP-2009 17:11:55	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	39359	No
119	GOM_NL__2PRFIN20090909_173127_000000442082_00227_39359_4934.N1	09-SEP-2009 17:31:27	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	39359	No
120	GOM_NL__2PRFIN20090909_173541_000000382082_00227_39359_4935.N1	09-SEP-2009 17:35:41	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	39359	No
121	GOM_NL__2PRFIN20090909_174558_000000392082_00227_39359_4936.N1	09-SEP-2009 17:45:58	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	39359	No
122	GOM_NL__2PRFIN20090909_174755_000000452082_00227_39359_4937.N1	09-SEP-2009 17:47:55	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39359	No
123	GOM_NL__2PRFIN20090909_180435_000000502082_00227_39359_4938.N1	09-SEP-2009 18:04:35	Bright	49.500	42	34Bet Aur	1.9000	10200.	99	39359	No
124	GOM_NL__2PRFIN20090909_180917_000000462082_00227_39359_4939.N1	09-SEP-2009 18:09:17	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	39359	No
125	GOM_NL__2PRFIN20090909_181213_000000562082_00227_39359_4940.N1	09-SEP-2009 18:12:13	Twi_and_stray	55.500	170	27Eps Gem	3.0000	9700.0	111	39359	No
126	GOM_NL__2PRFIN20090909_181342_000000662082_00227_39359_4941.N1	09-SEP-2009 18:13:42	Twi_and_stray	66.000	151	13Mu Gem	2.8900	3000.0	132	39359	No
127	GOM_NL__2PRFIN20090909_181538_000000562082_00227_39359_4942.N1	09-SEP-2009 18:15:38	Twi_and_stray	55.500	44	24Gam Gem	1.9280	11000.	111	39359	No
128	GOM_NL__2PRFIN20090909_182552_000000582082_00227_39359_4943.N1	09-SEP-2009 18:25:52	Dark	57.500	1	9Alp CMa	-1.4400	11000.	115	39359	No
129	GOM_NL__2PRFIN20090909_182729_000000532082_00227_39359_4944.N1	09-SEP-2009 18:27:29	Dark	52.500	47	2Bet CMa	1.9760	28000.	105	39359	No
130	GOM_NL__2PRFIN20090909_183029_000000442082_00227_39359_4945.N1	09-SEP-2009 18:30:29	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	39359	No
131	GOM_NL__2PRFIN20090909_183344_000000482082_00227_39359_4946.N1	09-SEP-2009 18:33:44	Dark	48.000	108	Alp Col	2.6520	15200.	96	39359	No
132	GOM_NL__2PRFIN20090909_184557_000000552082_00228_39360_4948.N1	09-SEP-2009 18:45:57	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39360	No
133	GOM_NL__2PRFIN20090909_185232_000000472082_00228_39360_4949.N1	09-SEP-2009 18:52:32	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	39360	No
134	GOM_NL__2PRFIN20090909_191203_000000572082_00228_39360_4950.N1	09-SEP-2009 19:12:03	Bright	56.500	90	54Alp Peg	2.4870	11000.	113	39360	No
135	GOM_NL__2PRFIN20090909_191617_000000402082_00228_39360_4951.N1	09-SEP-2009 19:16:17	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39360	No
136	GOM_NL__2PRFIN20090909_192633_000000422082_00228_39360_4952.N1	09-SEP-2009 19:26:33	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39360	No
137	GOM_NL__2PRFIN20090909_192831_000000422082_00228_39360_4953.N1	09-SEP-2009 19:28:31	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39360	No
138	GOM_NL__2PRFIN20090909_194511_000000512082_00228_39360_4954.N1	09-SEP-2009 19:45:11	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	39360	No
139	GOM_NL__2PRFIN20090909_194953_000000442082_00228_39360_4955.N1	09-SEP-2009 19:49:53	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	39360	No
140	GOM_NL__2PRFIN20090909_195249_000000532082_00228_39360_4956.N1	09-SEP-2009 19:52:49	Twi_and_stray	53.000	170	27Eps Gem	3.0000	9700.0	106	39360	No
141	GOM_NL__2PRFIN20090909_195418_000000662082_00228_39360_4957.N1	09-SEP-2009 19:54:18	Twi_and_stray	66.000	151	13Mu Gem	2.8900	3000.0	132	39360	No
142	GOM_NL__2PRFIN20090909_195804_000000472082_00228_39360_4958.N1	09-SEP-2009 19:58:04	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	39360	No
143	GOM_NL__2PRFIN20090909_200629_000000542082_00228_39360_4959.N1	09-SEP-2009 20:06:29	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	39360	No
144	GOM_NL__2PRFIN20090909_200806_000000492082_00228_39360_4960.N1	09-SEP-2009 20:08:06	Dark	49.000	47	2Bet CMa	1.9760	28000.	98	39360	No
145	GOM_NL__2PRFIN20090909_201106_000000452082_00228_39360_4961.N1	09-SEP-2009 20:11:06	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	39360	No
146	GOM_NL__2PRFIN20090909_201422_000000502082_00228_39360_4962.N1	09-SEP-2009 20:14:22	Dark	49.500	108	Alp Col	2.6520	15200.	99	39360	No
147	GOM_NL__2PRFIN20090909_202634_000000562082_00229_39361_4964.N1	09-SEP-2009 20:26:34	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39361	No
148	GOM_NL__2PRFIN20090909_203308_000000462082_00229_39361_4965.N1	09-SEP-2009 20:33:08	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	39361	No
149	GOM_NL__2PRFIN20090909_205239_000000422082_00229_39361_4966.N1	09-SEP-2009 20:52:39	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39361	No
150	GOM_NL__2PRFIN20090909_205652_000000422082_00229_39361_4967.N1	09-SEP-2009 20:56:52	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	39361	No
151	GOM_NL__2PRFIN20090909_210709_000000422082_00229_39361_4968.N1	09-SEP-2009 21:07:09	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39361	No
152	GOM_NL__2PRFIN20090909_210906_000000422082_00229_39361_4969.N1	09-SEP-2009 21:09:06	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39361	No
153	GOM_NL__2PRFIN20090909_212546_000000542082_00229_39361_4970.N1	09-SEP-2009 21:25:46	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39361	No
154	GOM_NL__2PRFIN20090909_213029_000000422082_00229_39361_4971.N1	09-SEP-2009 21:30:29	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	39361	No
155	GOM_NL__2PRFIN20090909_213325_000000572082_00229_39361_4972.N1	09-SEP-2009 21:33:25	Twi_and_stray	56.500	170	27Eps Gem	3.0000	9700.0	113	39361	No
156	GOM_NL__2PRFIN20090909_213454_000000702082_00229_39361_4973.N1	09-SEP-2009 21:34:54	Twi_and_stray	70.000	151	13Mu Gem	2.8900	3000.0	140	39361	No
157	GOM_NL__2PRFIN20090909_213840_000000582082_00229_39361_4974.N1	09-SEP-2009 21:38:40	Twilight	57.500	8	10Alp CMi	0.40000	6500.0	115	39361	No
158	GOM_NL__2PRFIN20090909_214706_000000562082_00229_39361_4975.N1	09-SEP-2009 21:47:06	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	39361	No
159	GOM_NL__2PRFIN20090909_214843_000000492082_00229_39361_4976.N1	09-SEP-2009 21:48:43	Dark	48.500	47	2Bet CMa	1.9760	28000.	97	39361	No
160	GOM_NL__2PRFIN20090909_215143_000000432082_00229_39361_4977.N1	09-SEP-2009 21:51:43	Dark	43.000	177	1Zet CMa	3.0220	26000.	86	39361	No

161	GOM_NL__2PRFIN20090909_215459_000000492082_00229_39361_4978.N1	09-SEP-2009 21:54:59	Dark	49.000	108	Alp Col	2.6520	15200.	98	39361	No
162	GOM_NL__2PRFIN20090909_220711_000000552082_00230_39362_4984.N1	09-SEP-2009 22:07:11	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39362	No
163	GOM_NL__2PRFIN20090909_221344_000000492082_00230_39362_4985.N1	09-SEP-2009 22:13:44	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39362	No
164	GOM_NL__2PRFIN20090909_223314_000000612082_00230_39362_4986.N1	09-SEP-2009 22:33:14	Bright	61.000	90	54Alp Peg	2.4870	11000.	122	39362	No
165	GOM_NL__2PRFIN20090909_223728_000000382082_00230_39362_4987.N1	09-SEP-2009 22:37:28	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	39362	No
166	GOM_NL__2PRFIN20090909_224744_000000422082_00230_39362_4988.N1	09-SEP-2009 22:47:44	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39362	No
167	GOM_NL__2PRFIN20090909_224941_000000462082_00230_39362_4989.N1	09-SEP-2009 22:49:41	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39362	No
168	GOM_NL__2PRFIN20090909_230622_000000522082_00230_39362_4990.N1	09-SEP-2009 23:06:22	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	39362	No
169	GOM_NL__2PRFIN20090909_231105_000000592082_00230_39362_4991.N1	09-SEP-2009 23:11:05	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	39362	No
170	GOM_NL__2PRFIN20090909_231401_000000582082_00230_39362_4992.N1	09-SEP-2009 23:14:01	Twilight	57.500	170	27Eps Gem	3.0000	9700.0	115	39362	No
171	GOM_NL__2PRFIN20090909_231531_000000652082_00230_39362_4993.N1	09-SEP-2009 23:15:31	Twilight	65.000	151	13Mu Gem	2.8900	3000.0	130	39362	No
172	GOM_NL__2PRFIN20090909_231727_000000562082_00230_39362_4994.N1	09-SEP-2009 23:17:27	Twilight	55.500	44	24Gam Gem	1.9280	11000.	111	39362	No
173	GOM_NL__2PRFIN20090909_231917_000000472082_00230_39362_4995.N1	09-SEP-2009 23:19:17	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	39362	No
174	GOM_NL__2PRFIN20090909_232743_000000612082_00230_39362_4996.N1	09-SEP-2009 23:27:43	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	39362	No
175	GOM_NL__2PRFIN20090909_232919_000000532082_00230_39362_4997.N1	09-SEP-2009 23:29:19	Dark	53.000	47	2Bet CMa	1.9760	28000.	106	39362	No
176	GOM_NL__2PRFIN20090909_233219_000000442082_00230_39362_4998.N1	09-SEP-2009 23:32:19	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	39362	No
177	GOM_NL__2PRFIN20090909_233535_000000472082_00230_39362_4999.N1	09-SEP-2009 23:35:35	Dark	47.000	108	Alp Col	2.6520	15200.	94	39362	No

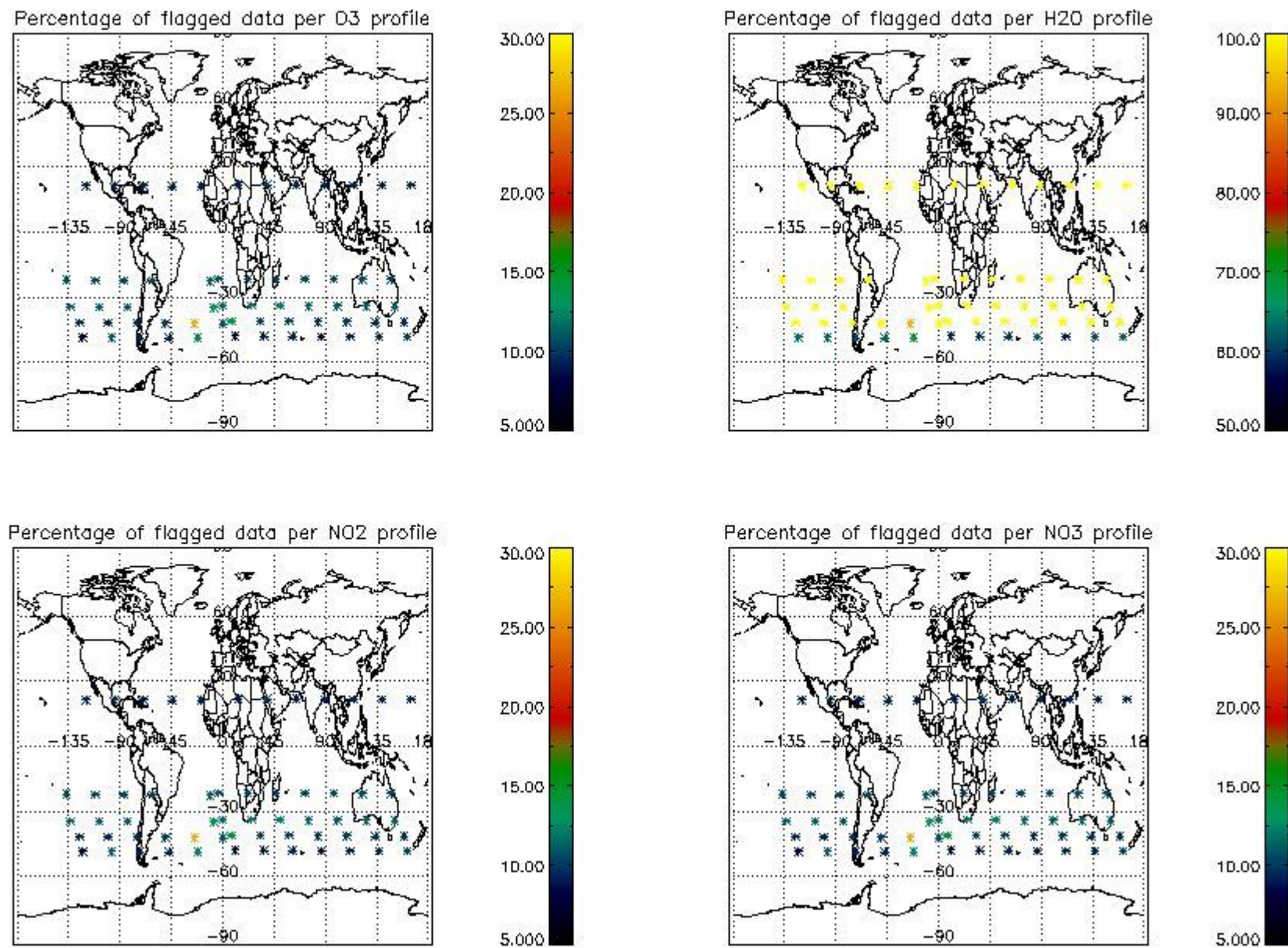
3. Quality information per product

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)

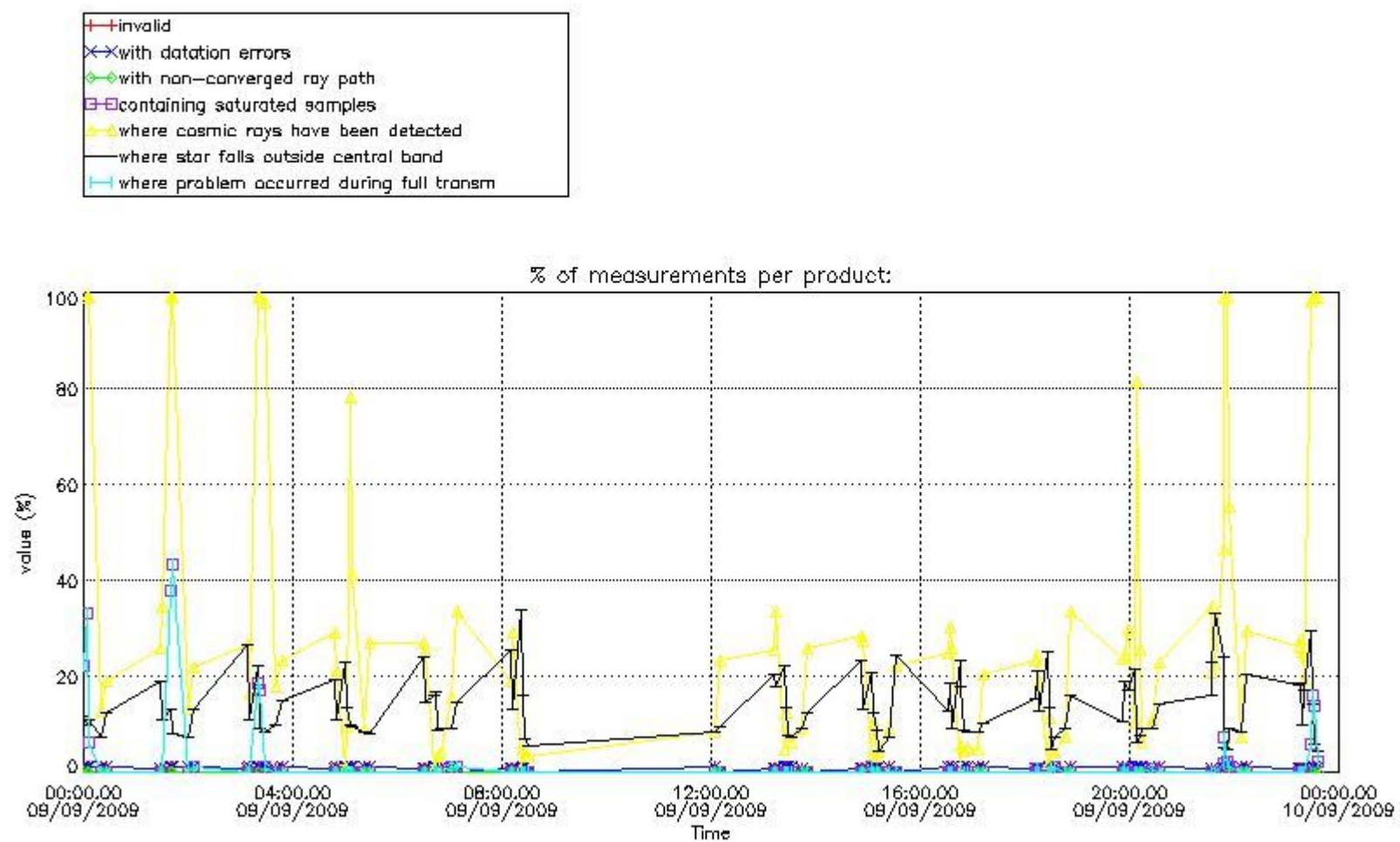


4. Level 1 quality information per product

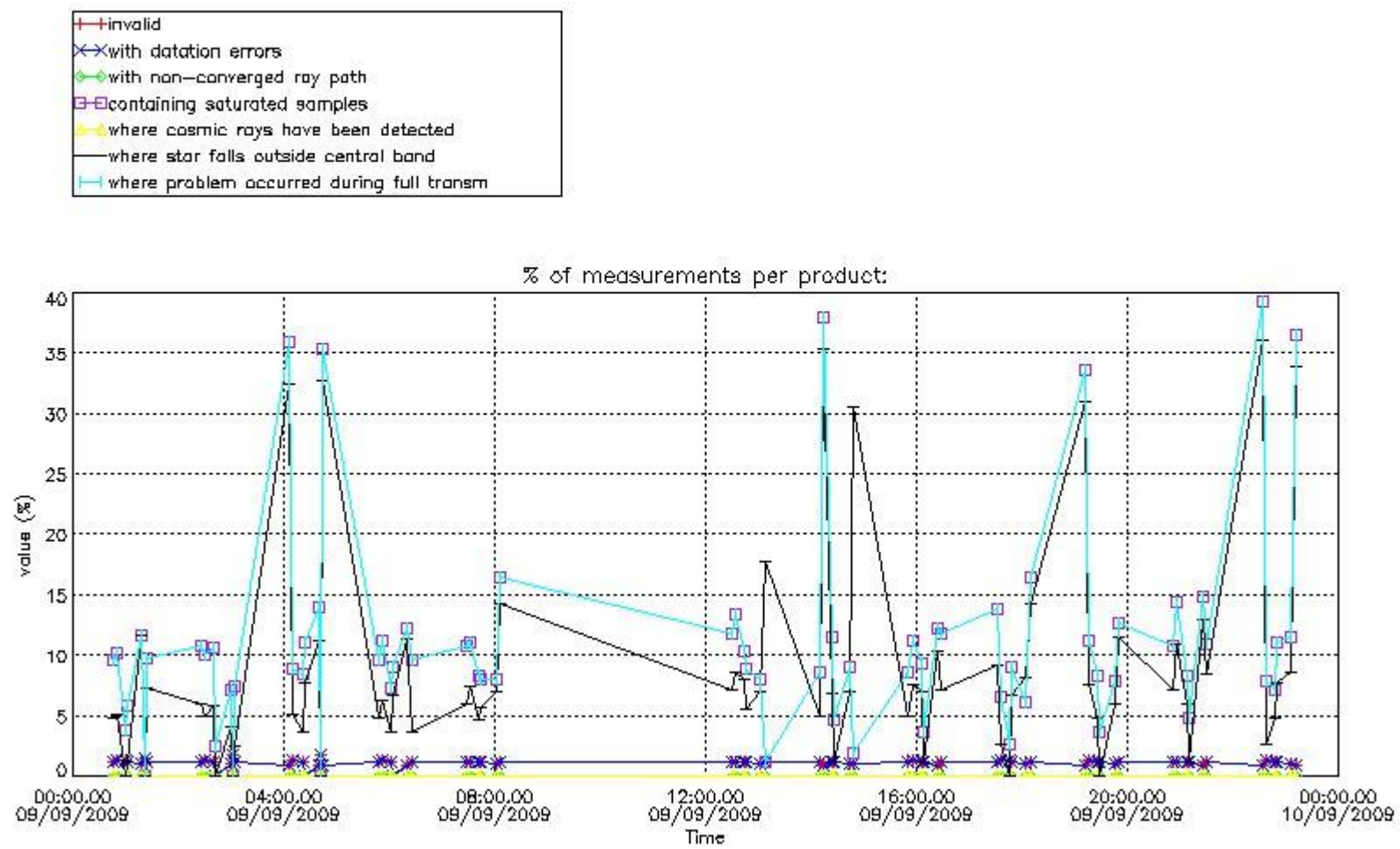
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



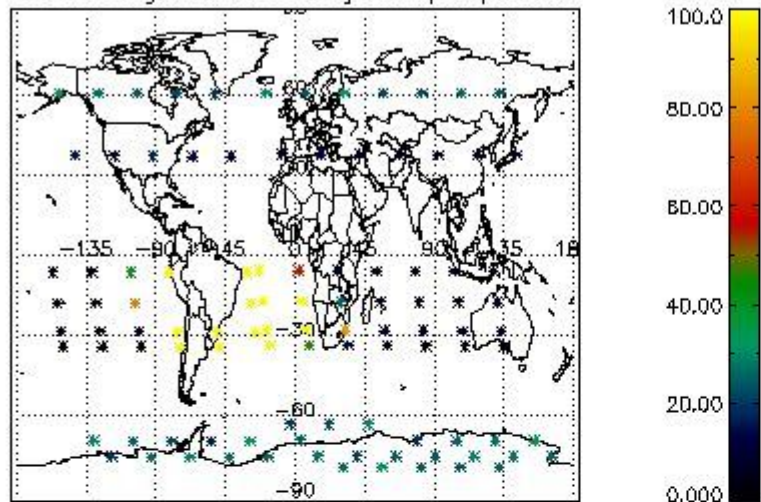
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



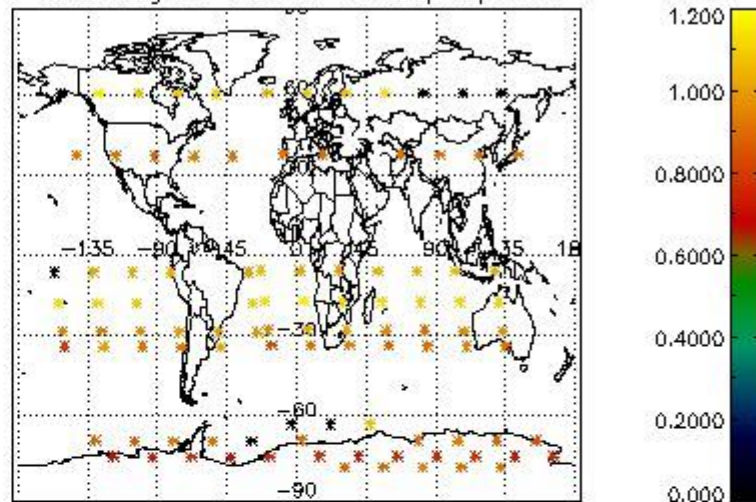
4.2 Plot quality information per product coming from level 1b processing (world map)

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

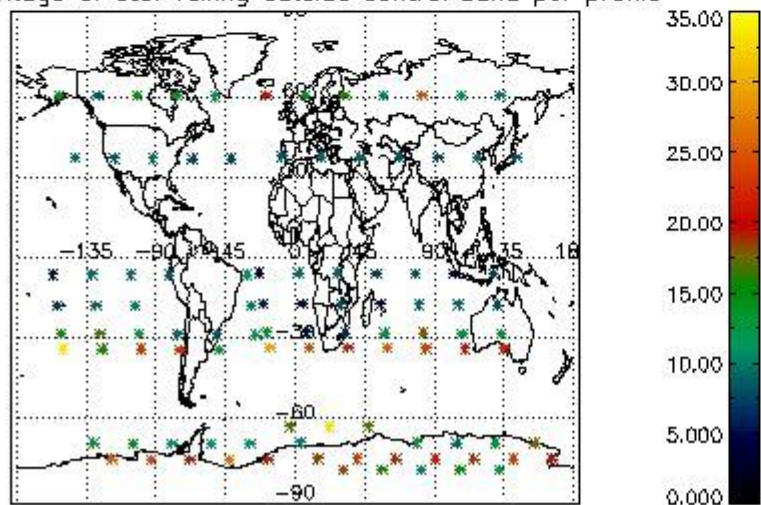
Percentage of cosmic ray hits per profile



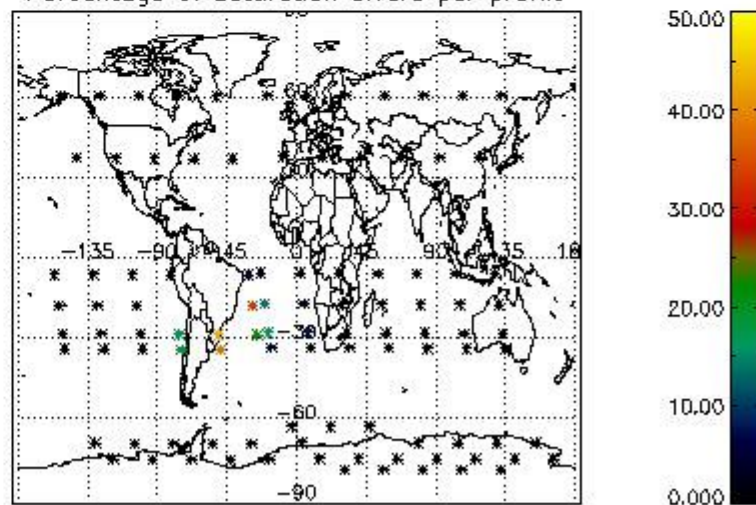
Percentage of datation errors per profile



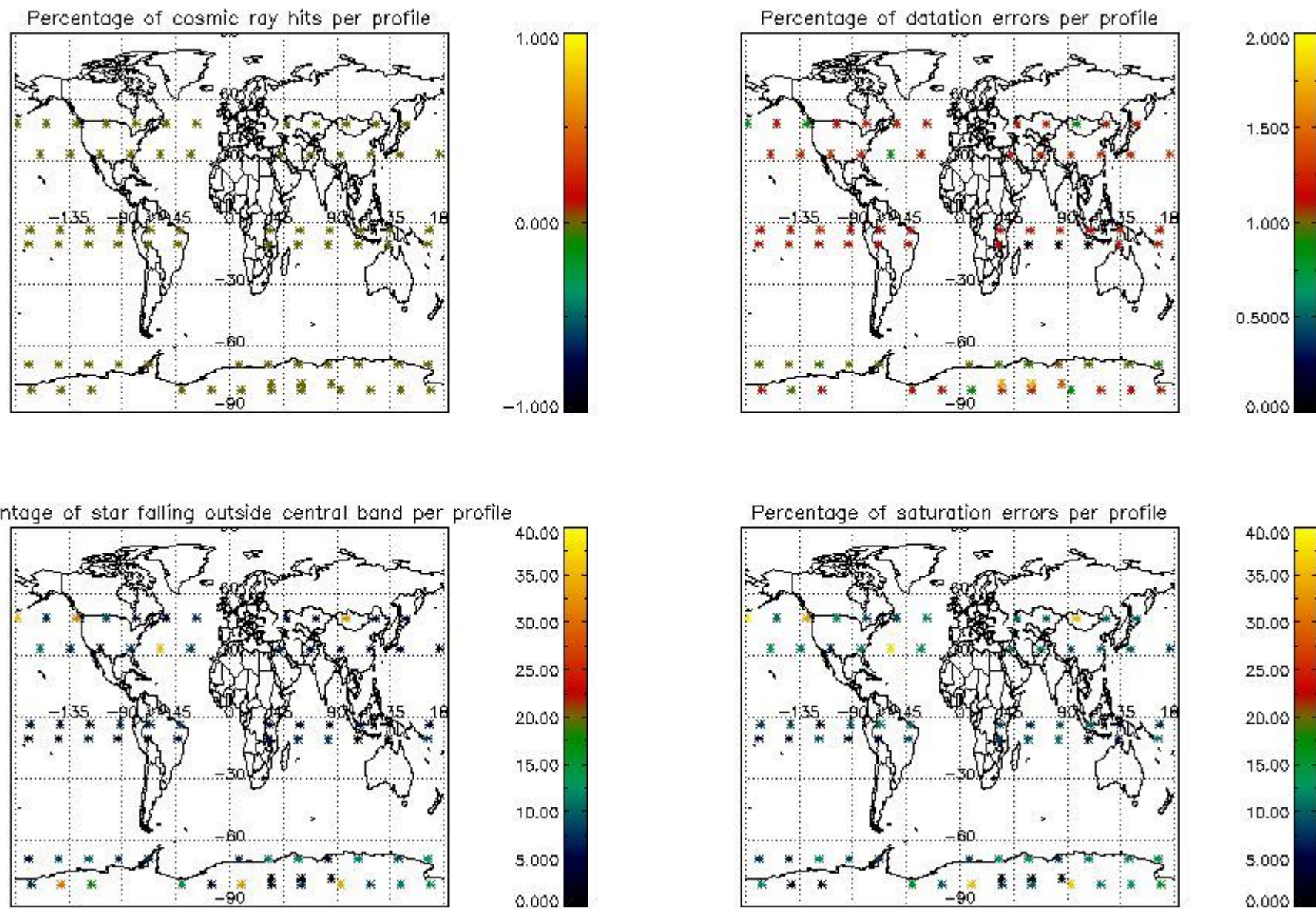
Percentage of star falling outside central band per profile



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

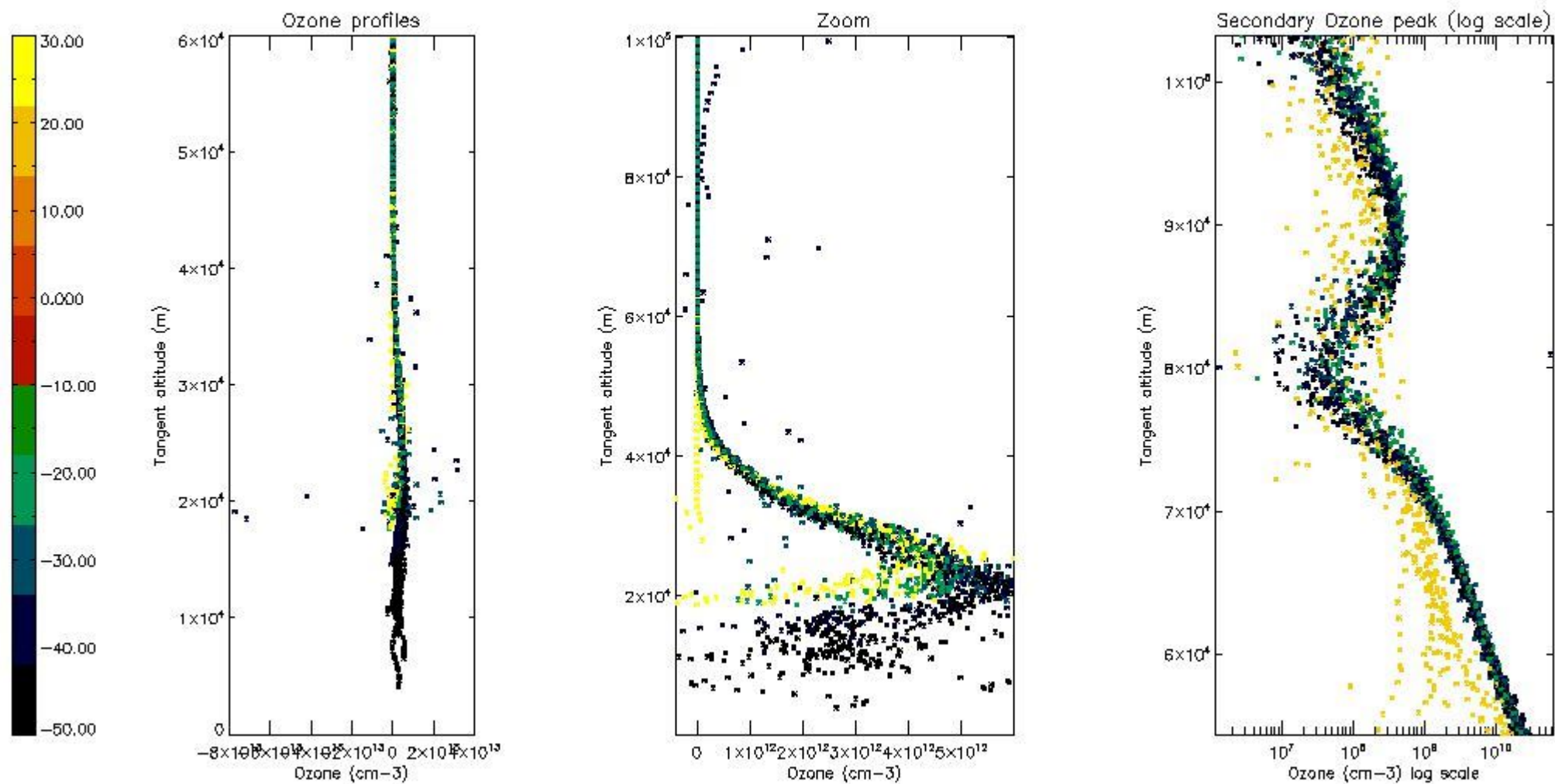
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	21

STD < 10	18
STD < 5	12

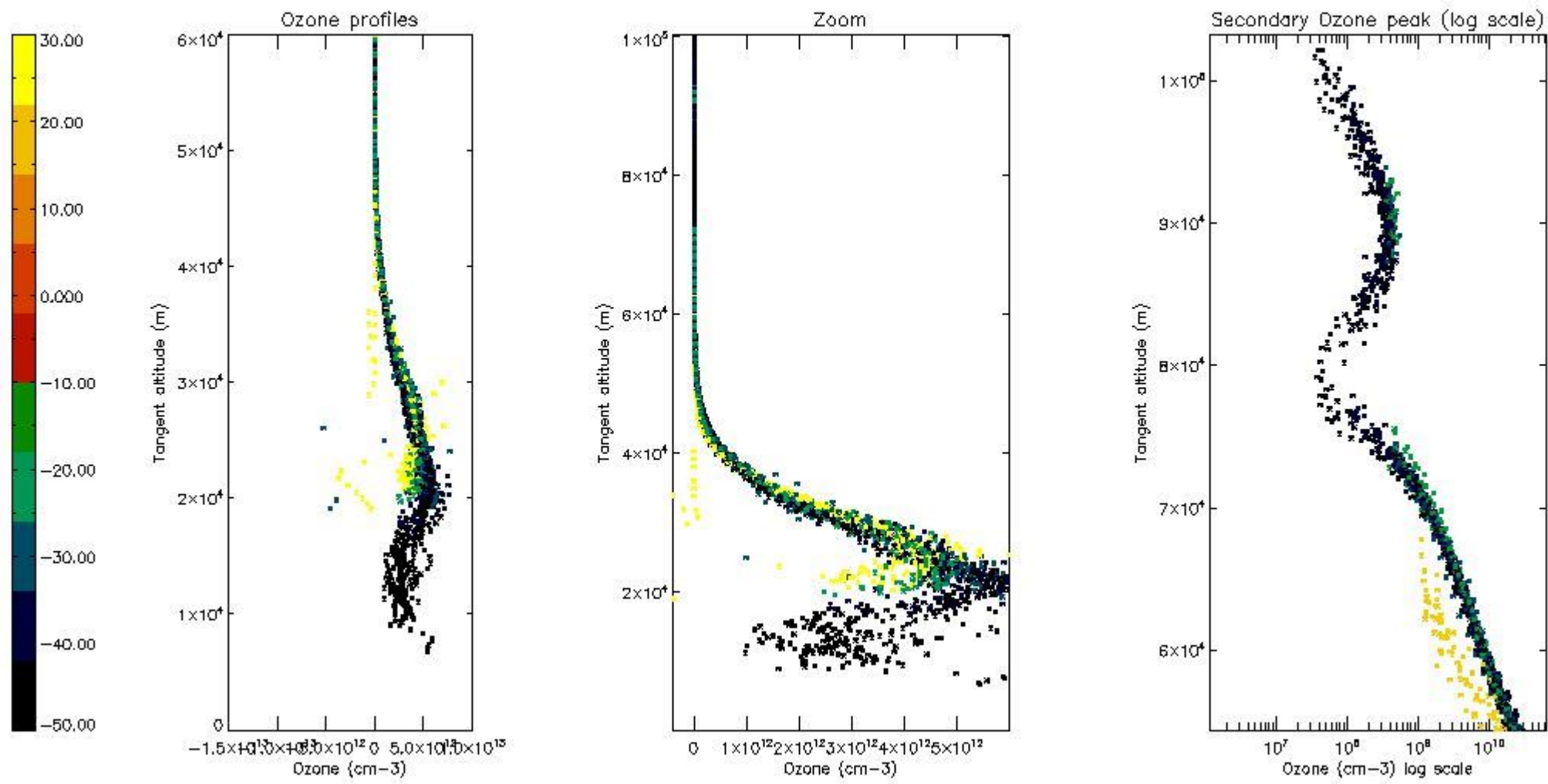
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



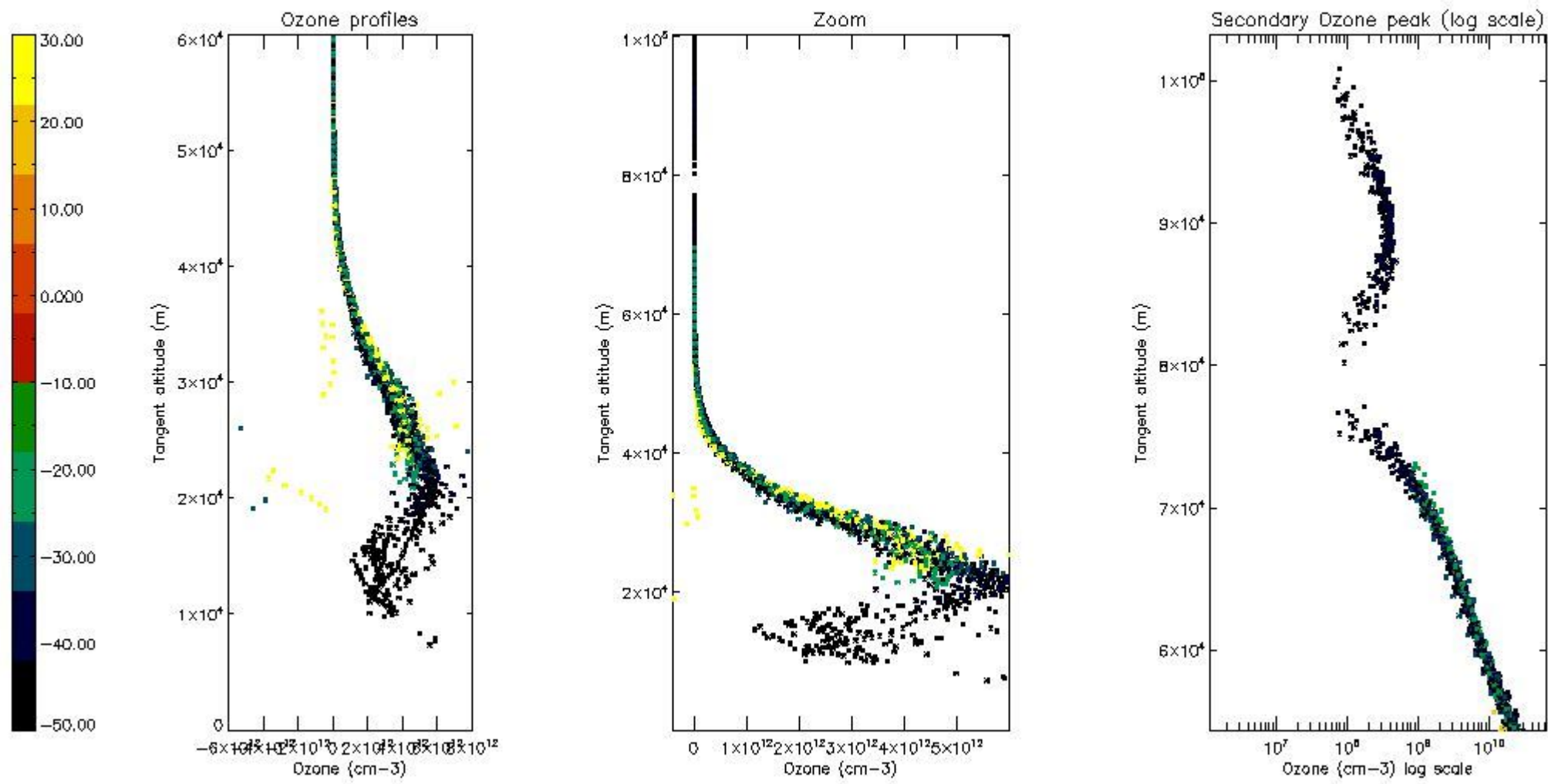
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



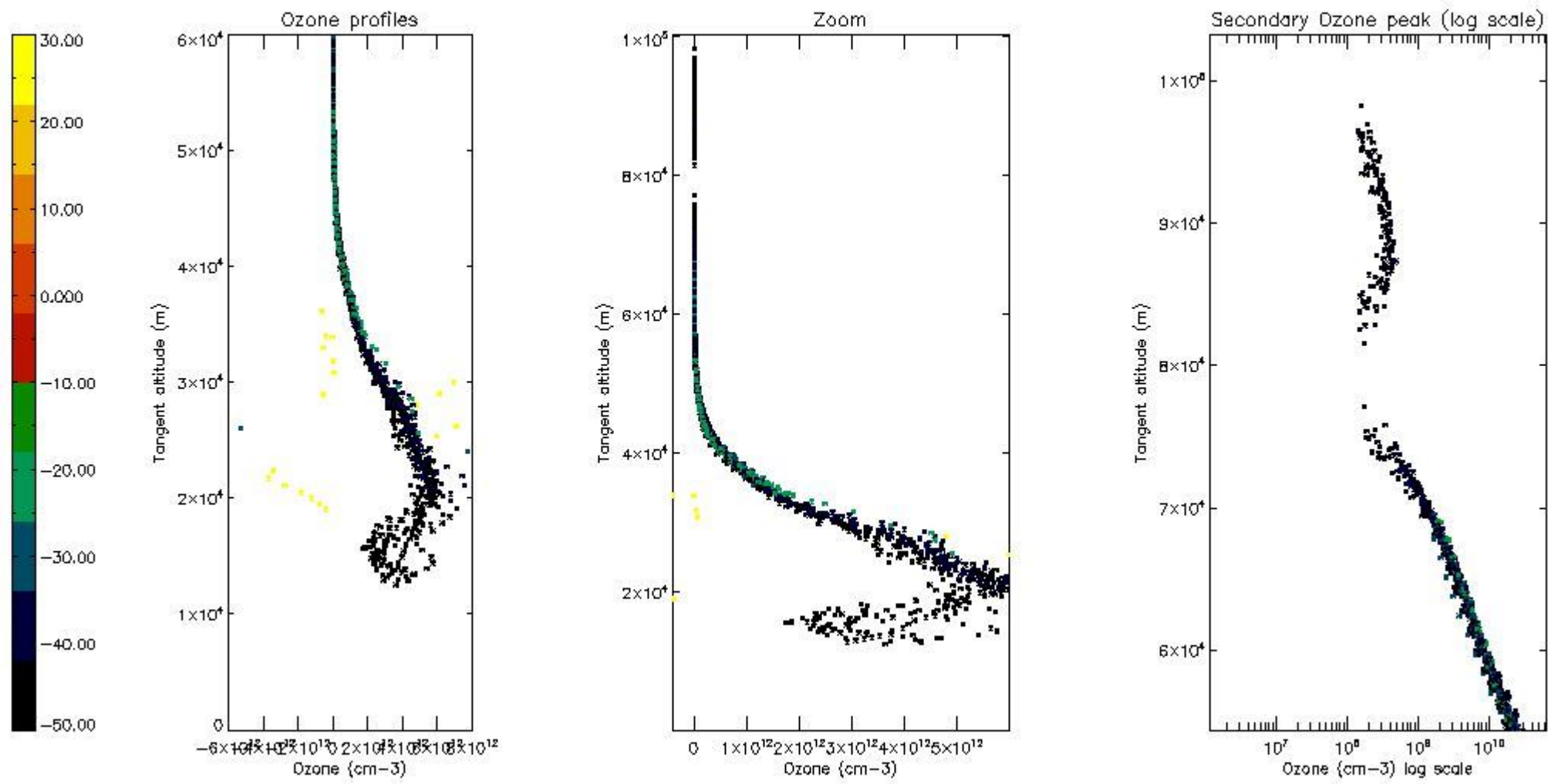
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



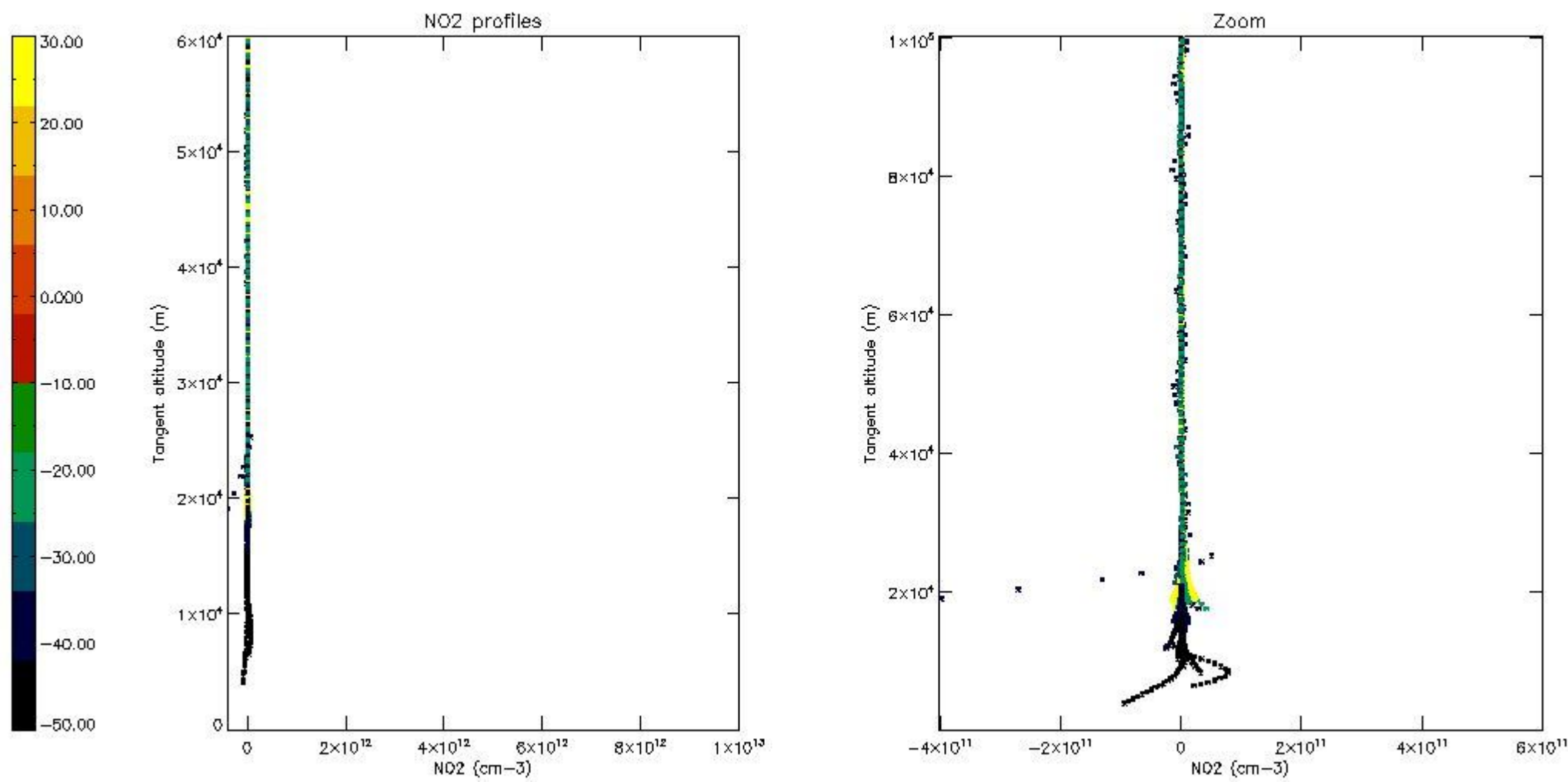
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



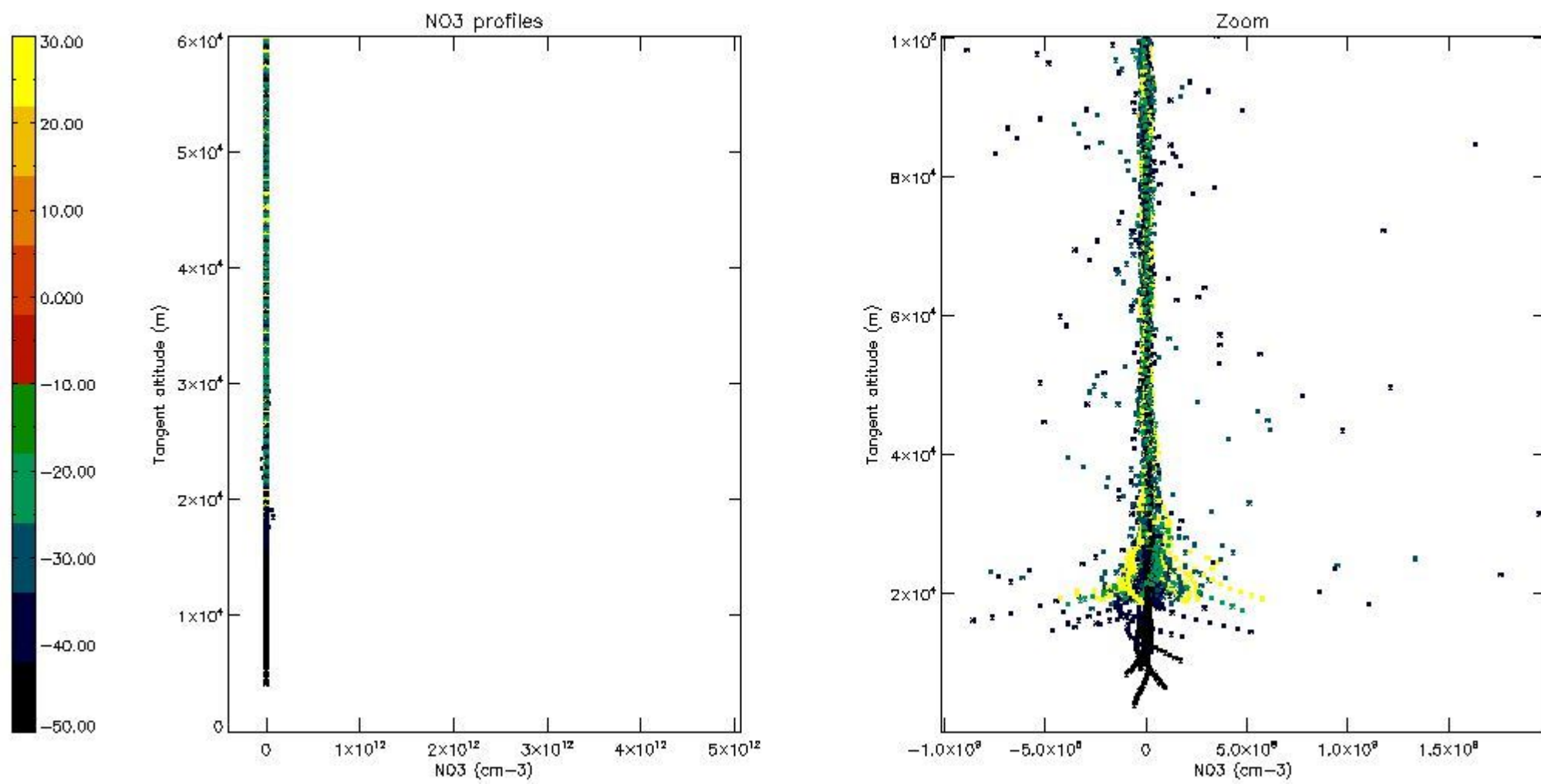
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



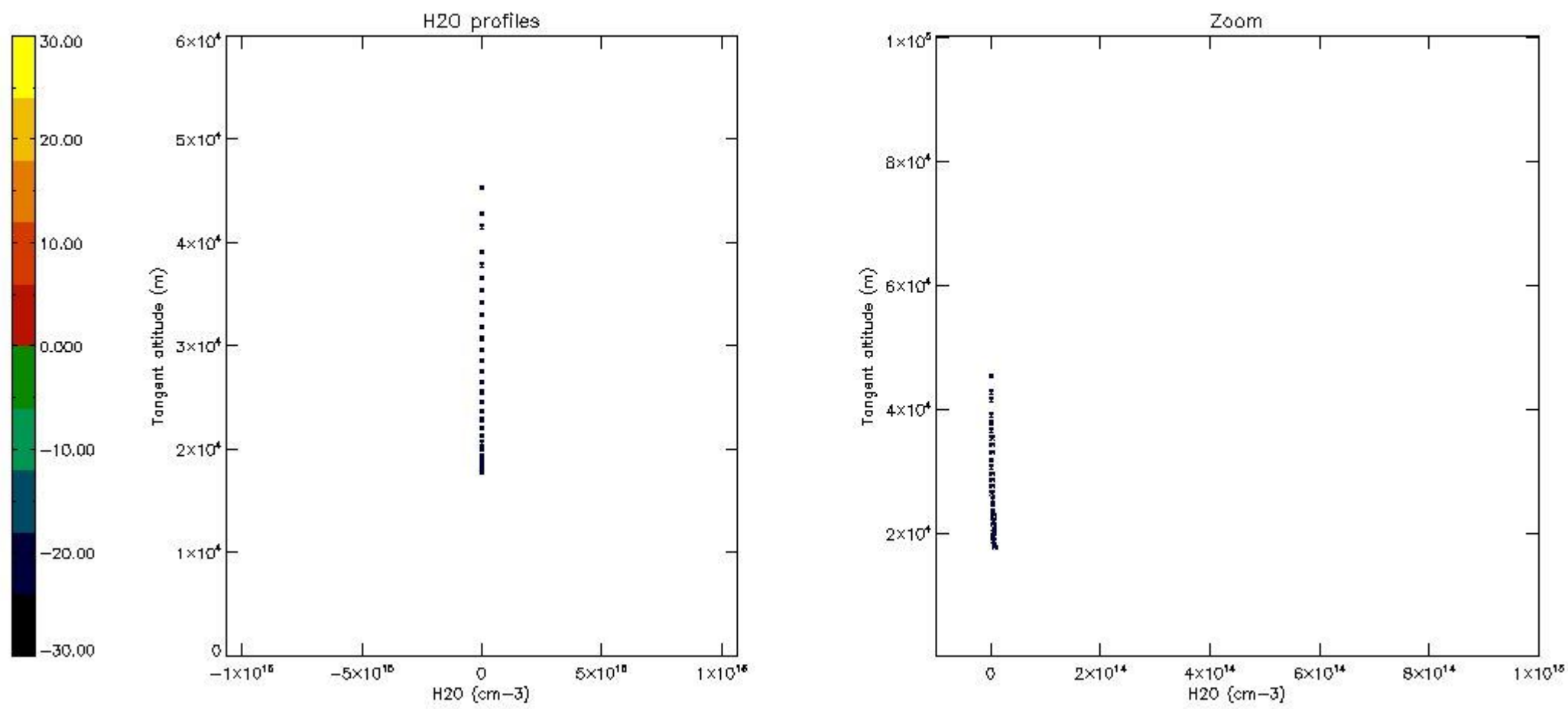
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

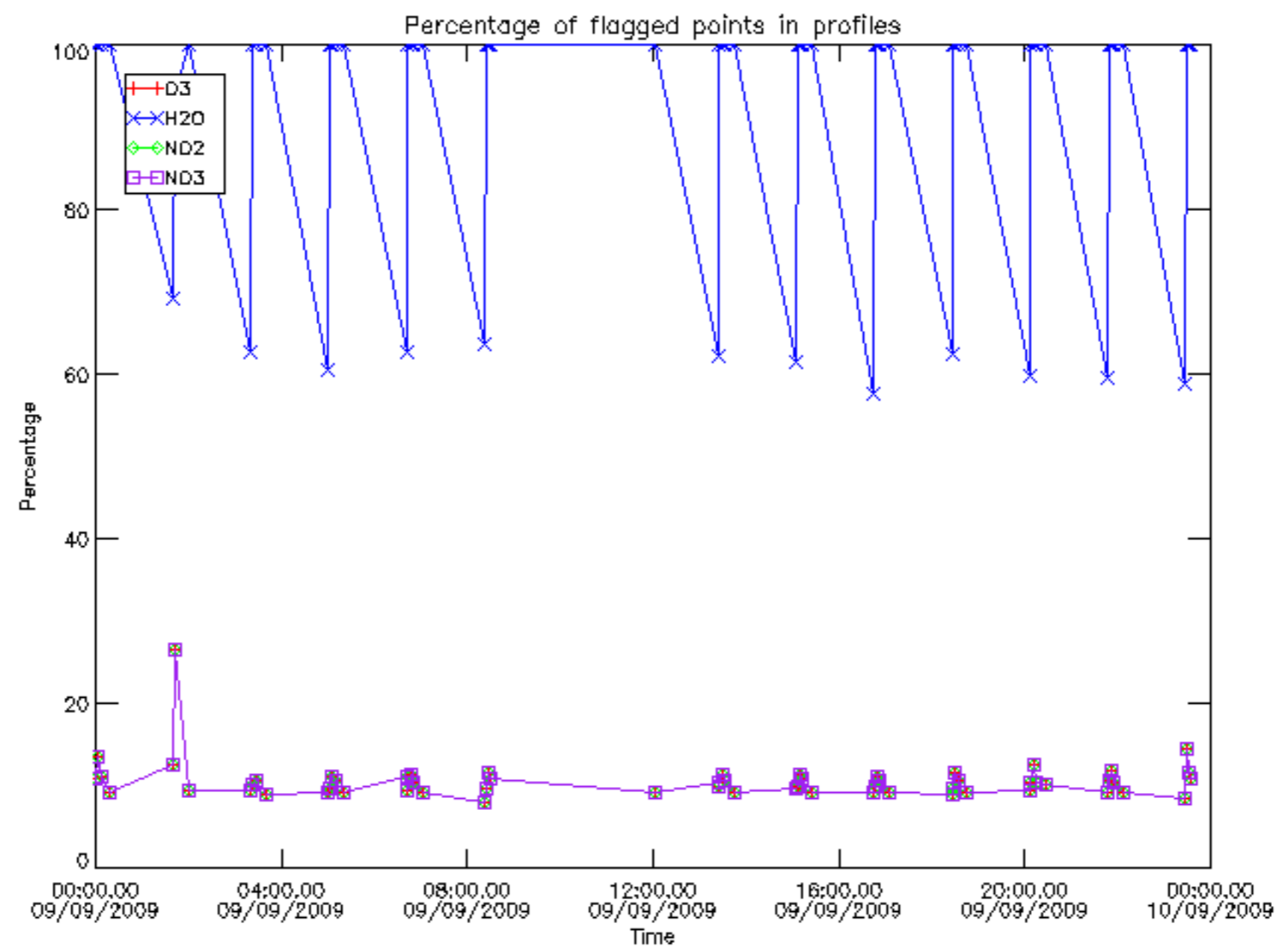
The colorbar represents the latitude.



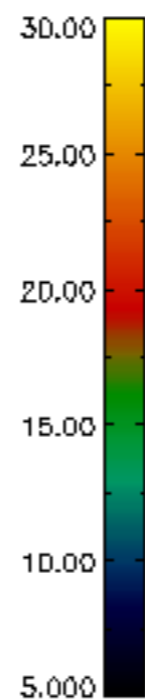
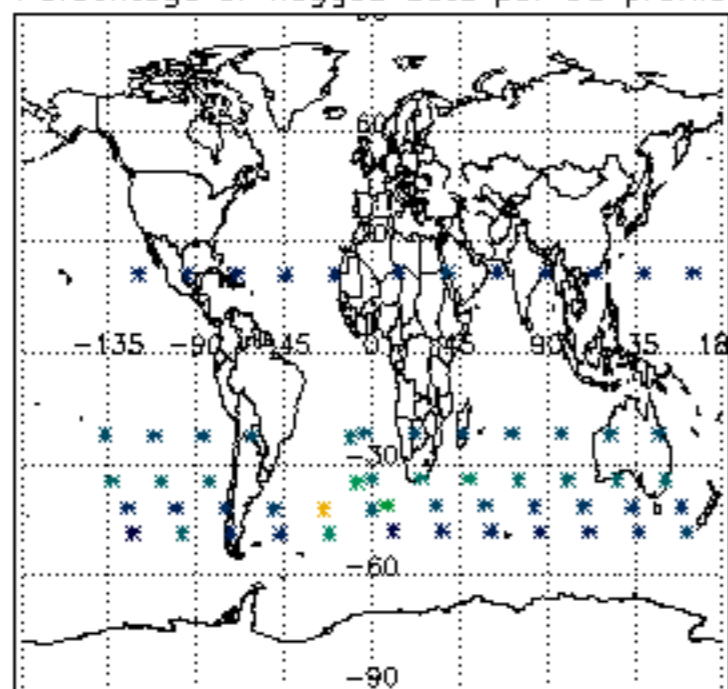
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

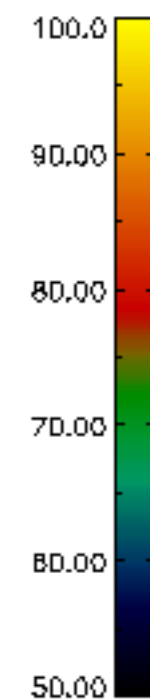
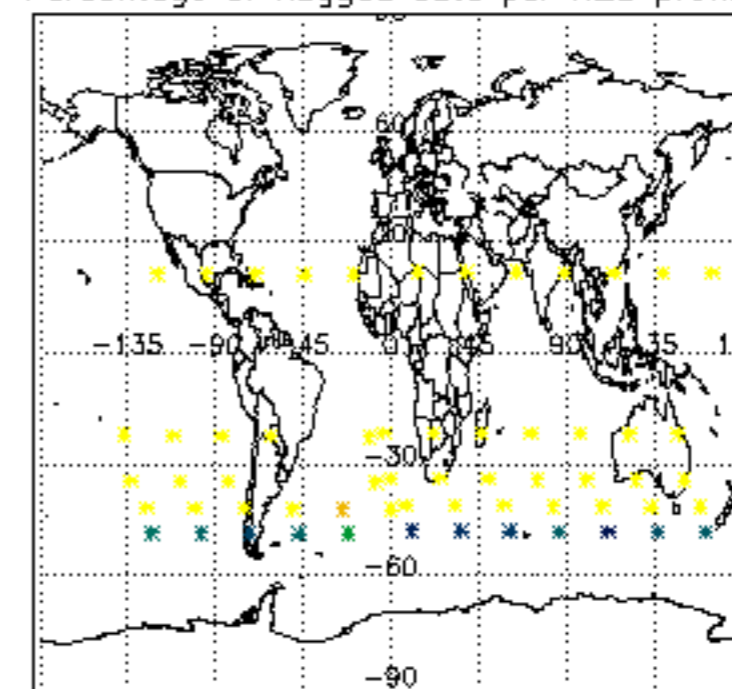
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-SEP-2009 00:00:42
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-SEP-2009 00:00:42
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-SEP-2009 00:00:42



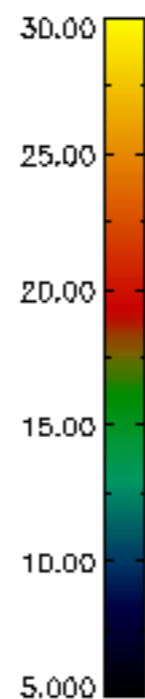
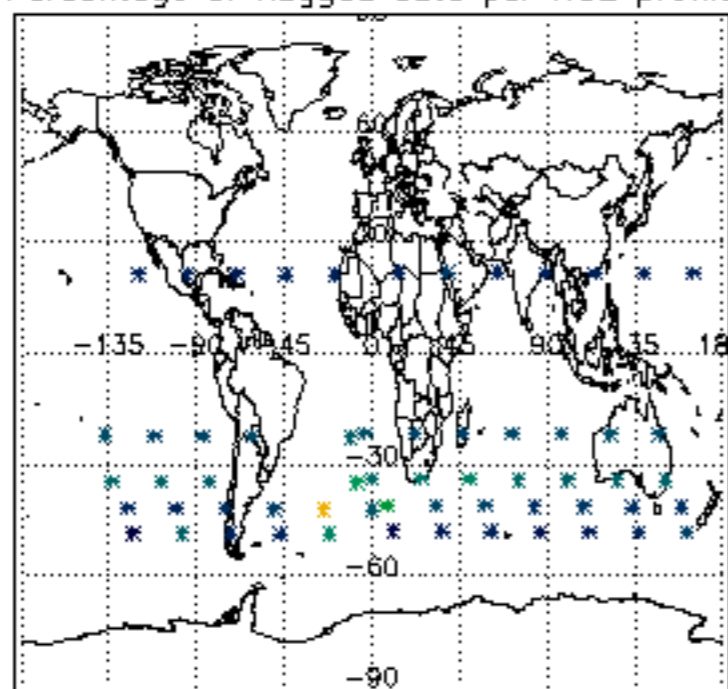
Percentage of flagged data per D3 profile



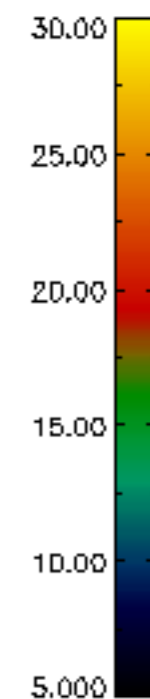
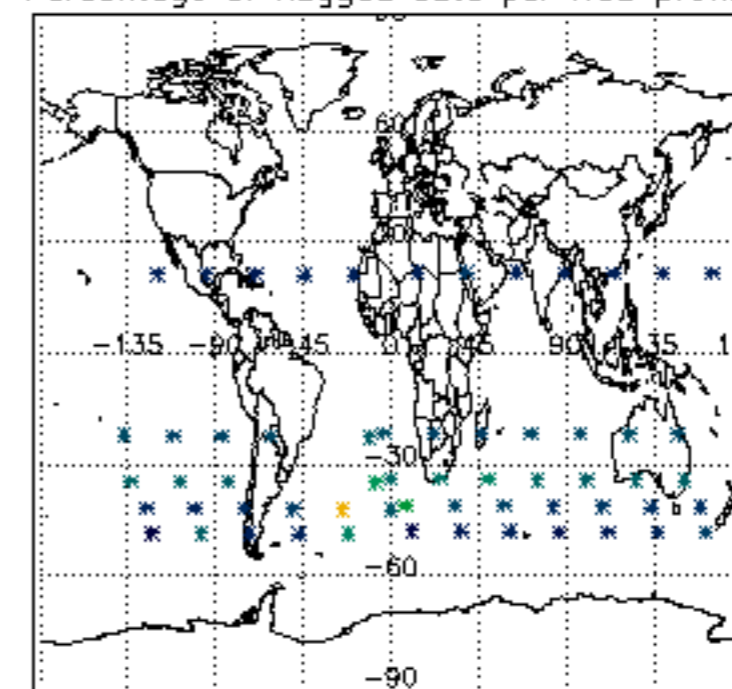
Percentage of flagged data per H2O profile

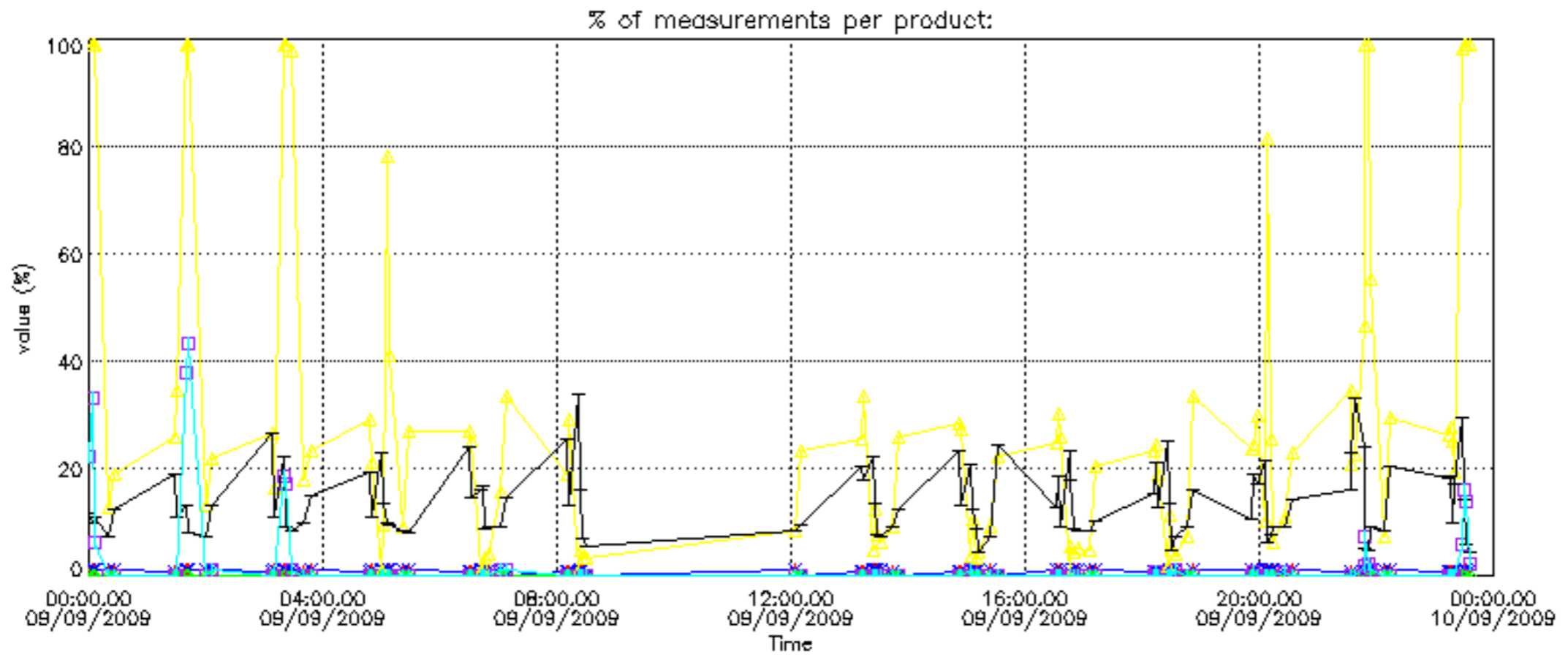


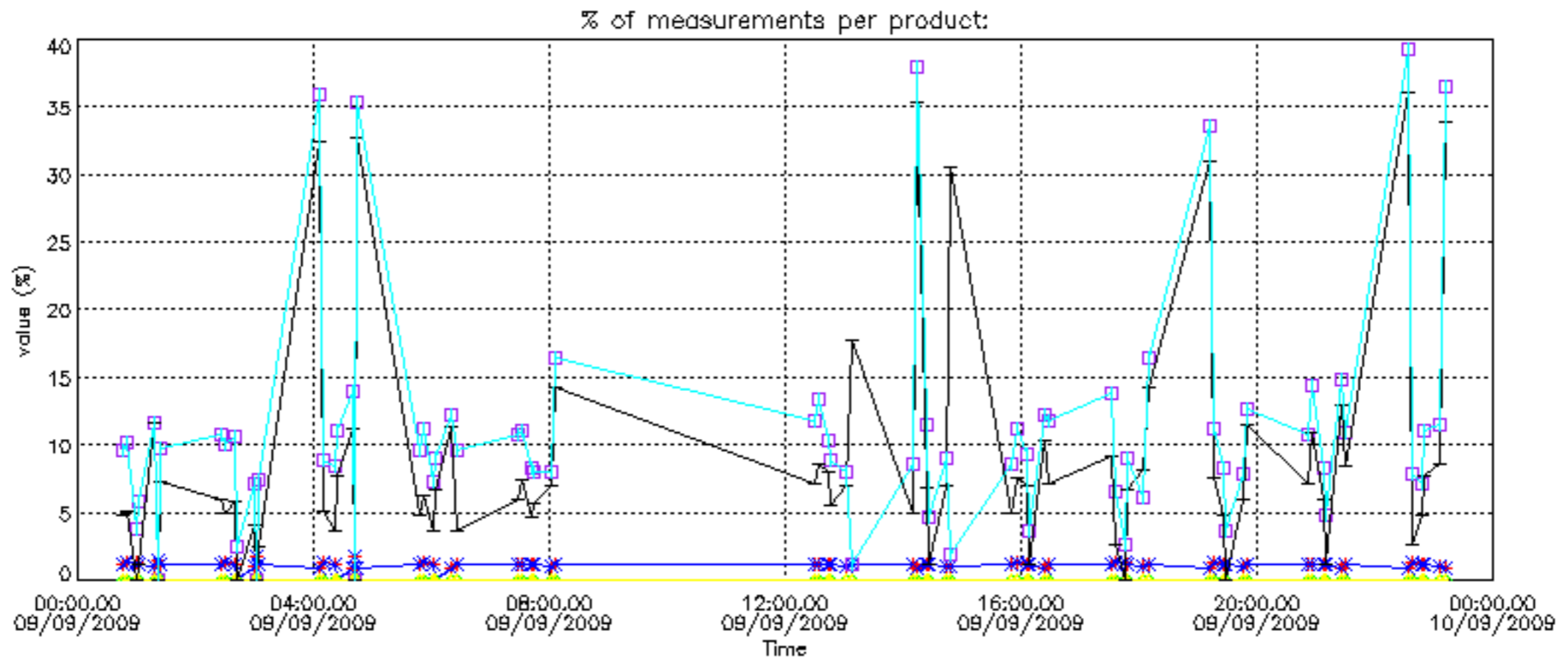
Percentage of flagged data per NO2 profile



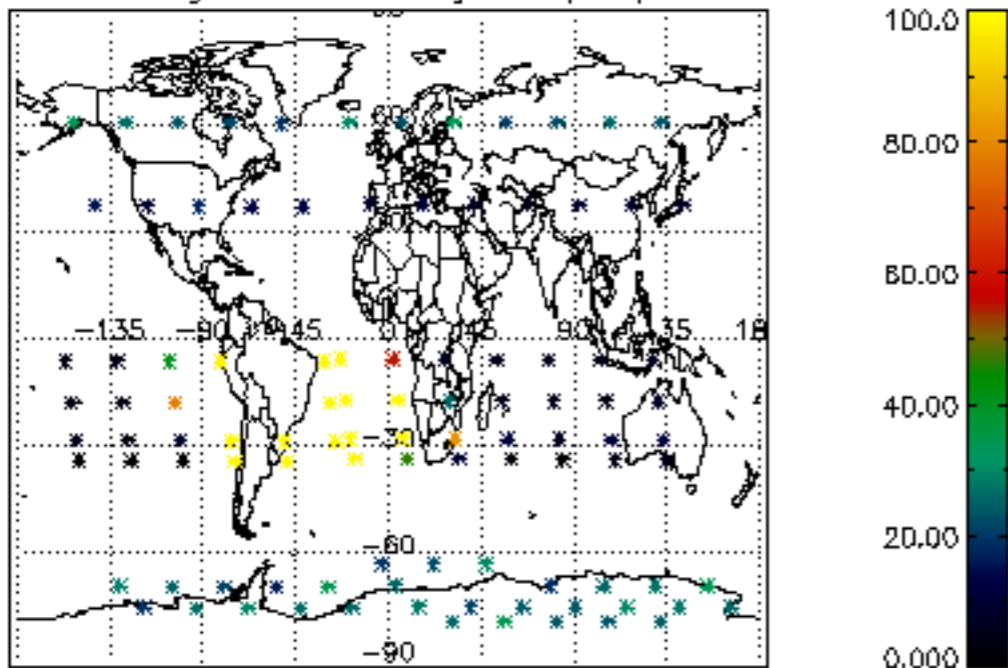
Percentage of flagged data per NO3 profile



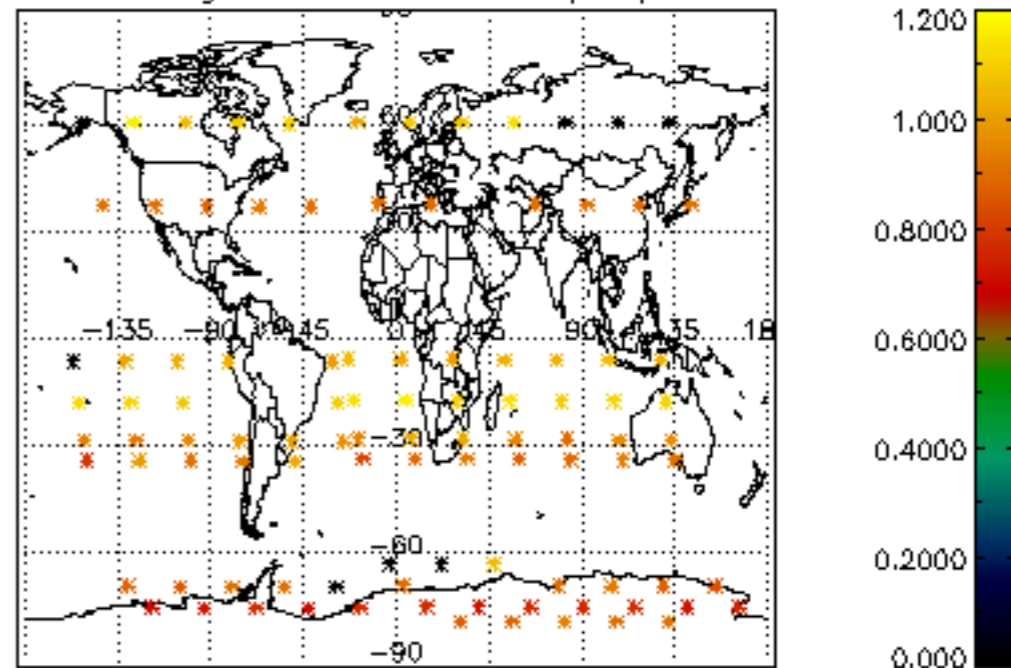




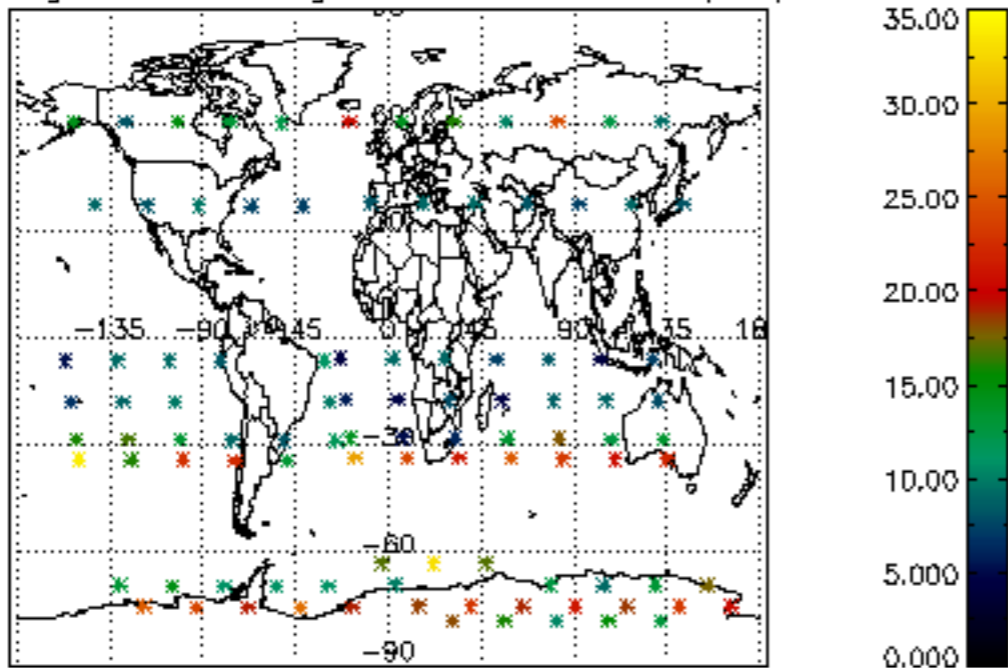
Percentage of cosmic ray hits per profile



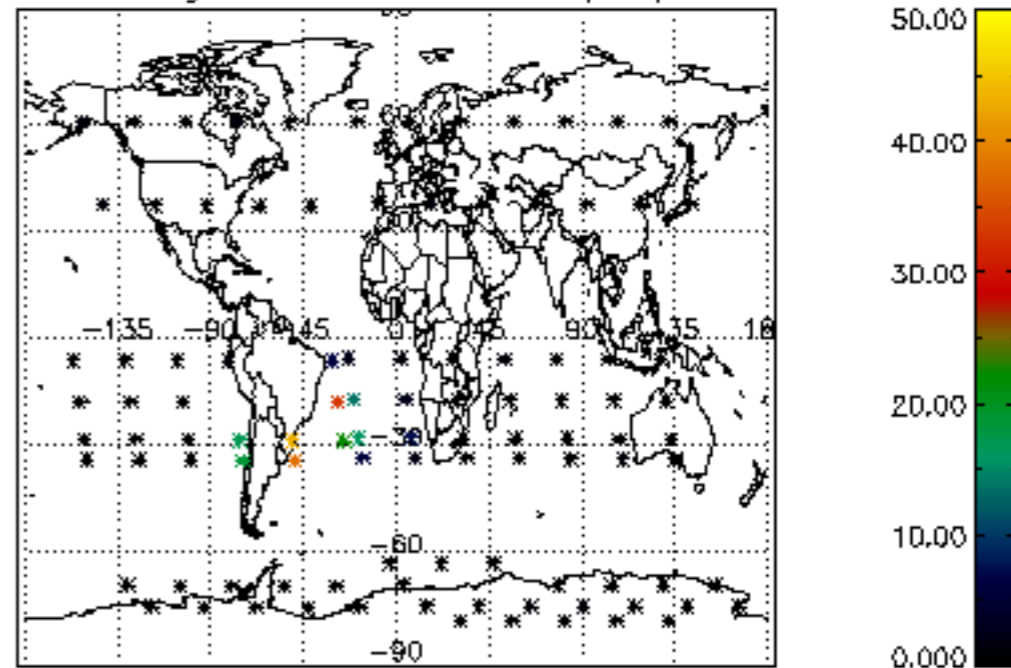
Percentage of datation errors per profile



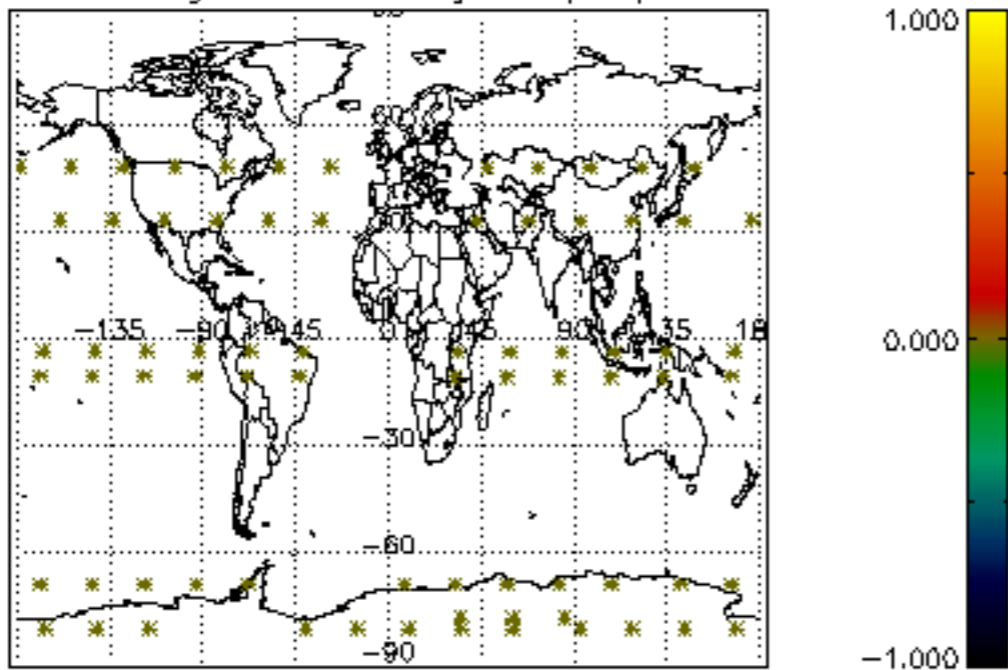
Percentage of star falling outside central band per profile



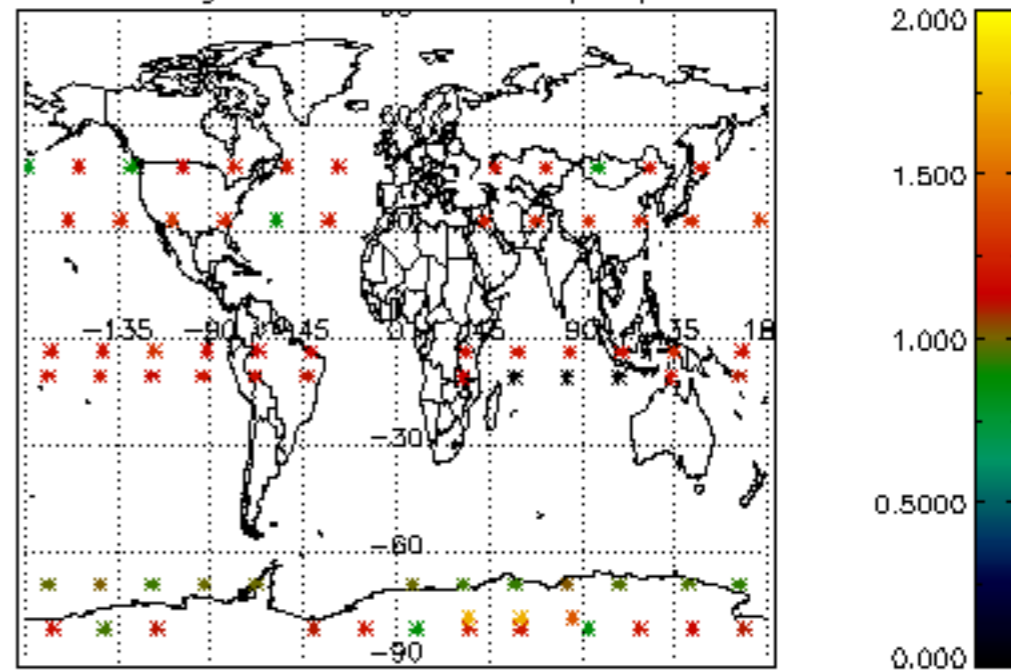
Percentage of saturation errors per profile



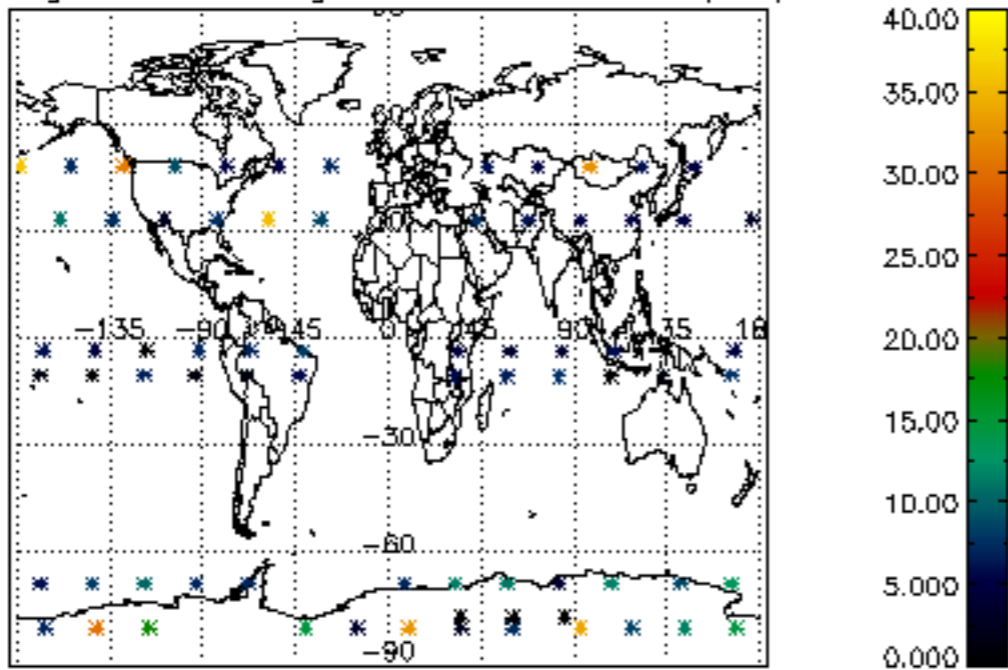
Percentage of cosmic ray hits per profile



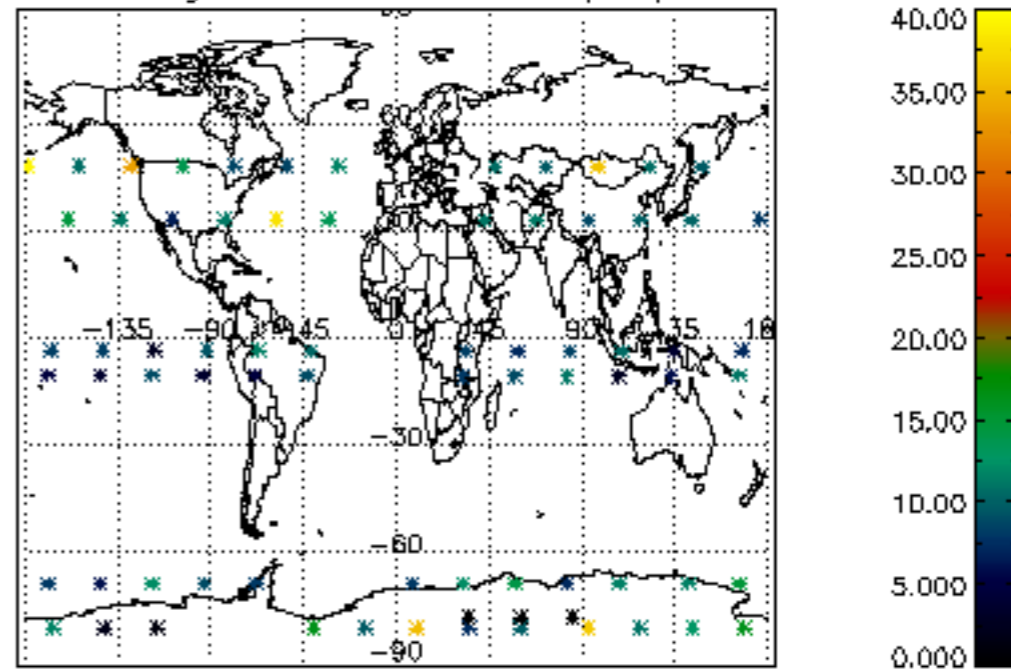
Percentage of datation errors per profile

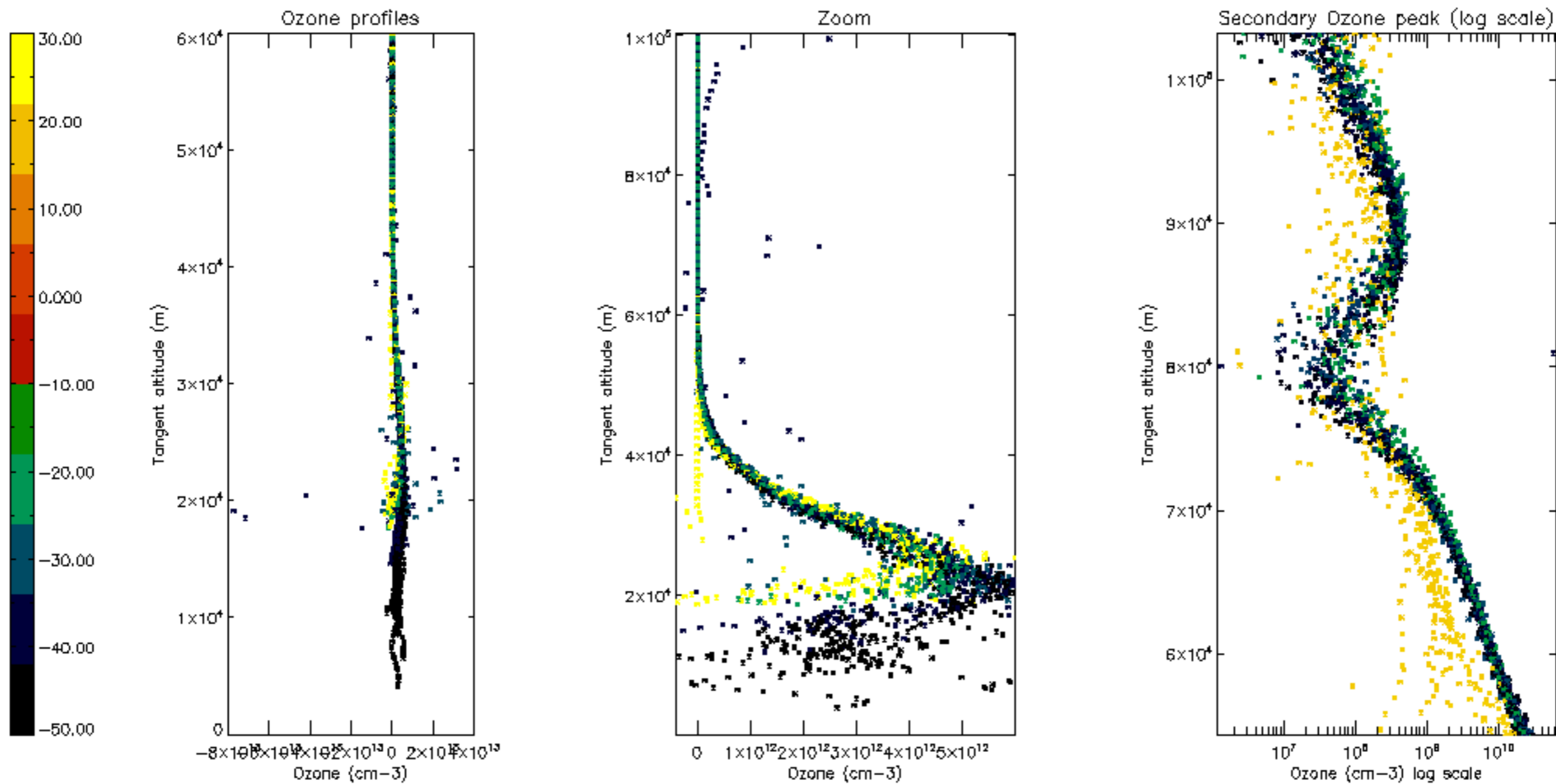


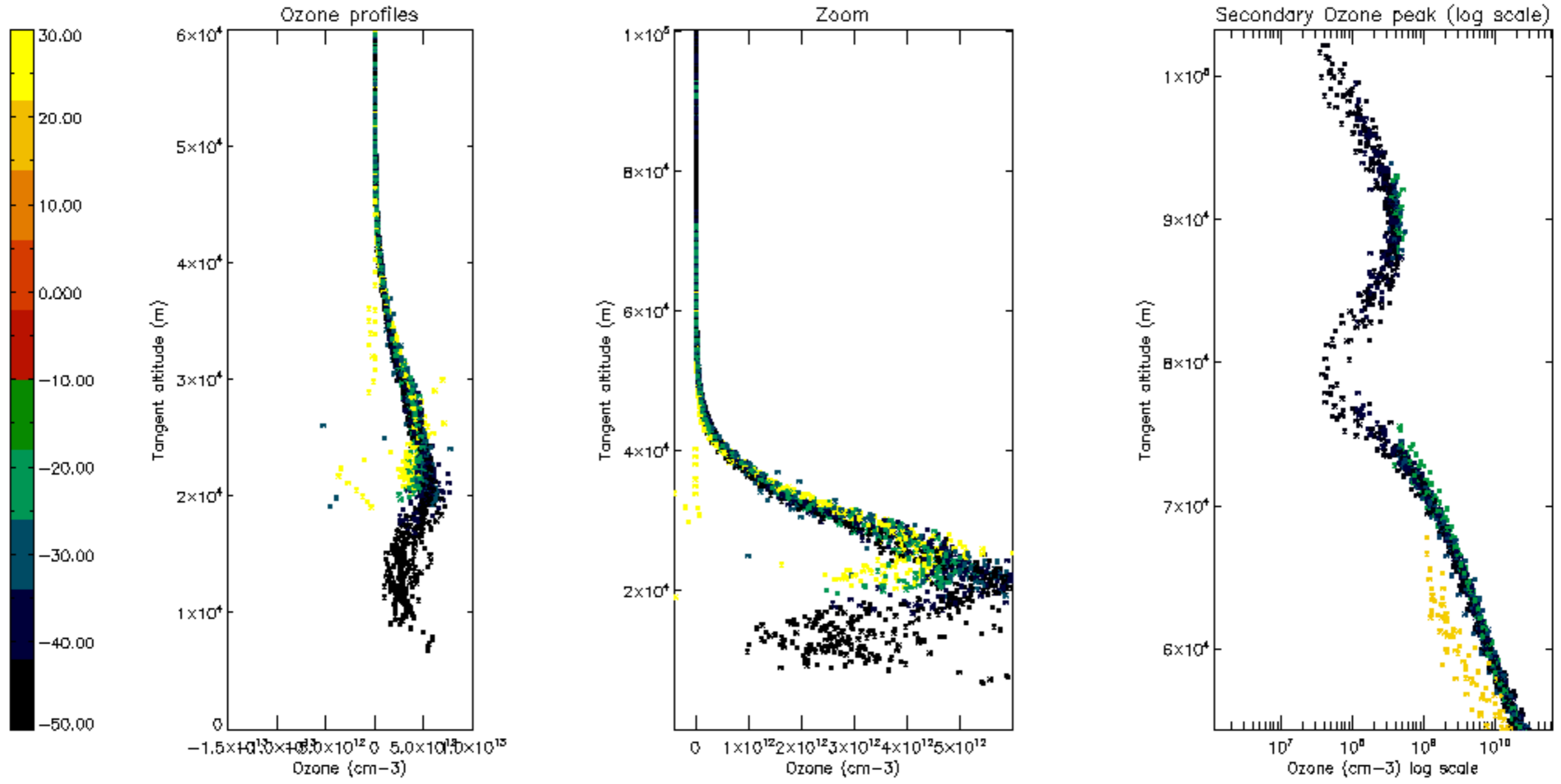
Percentage of star falling outside central band per profile

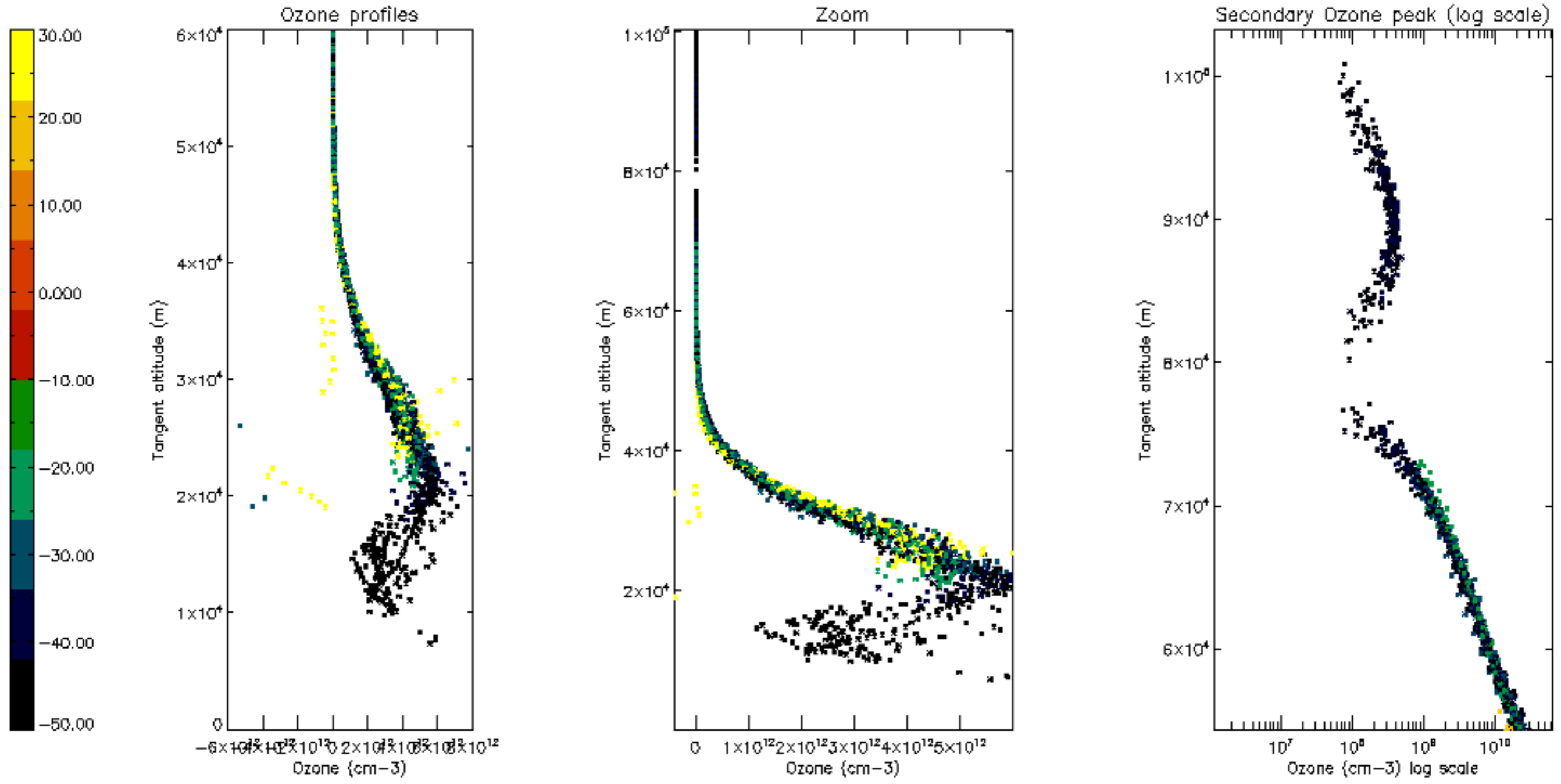


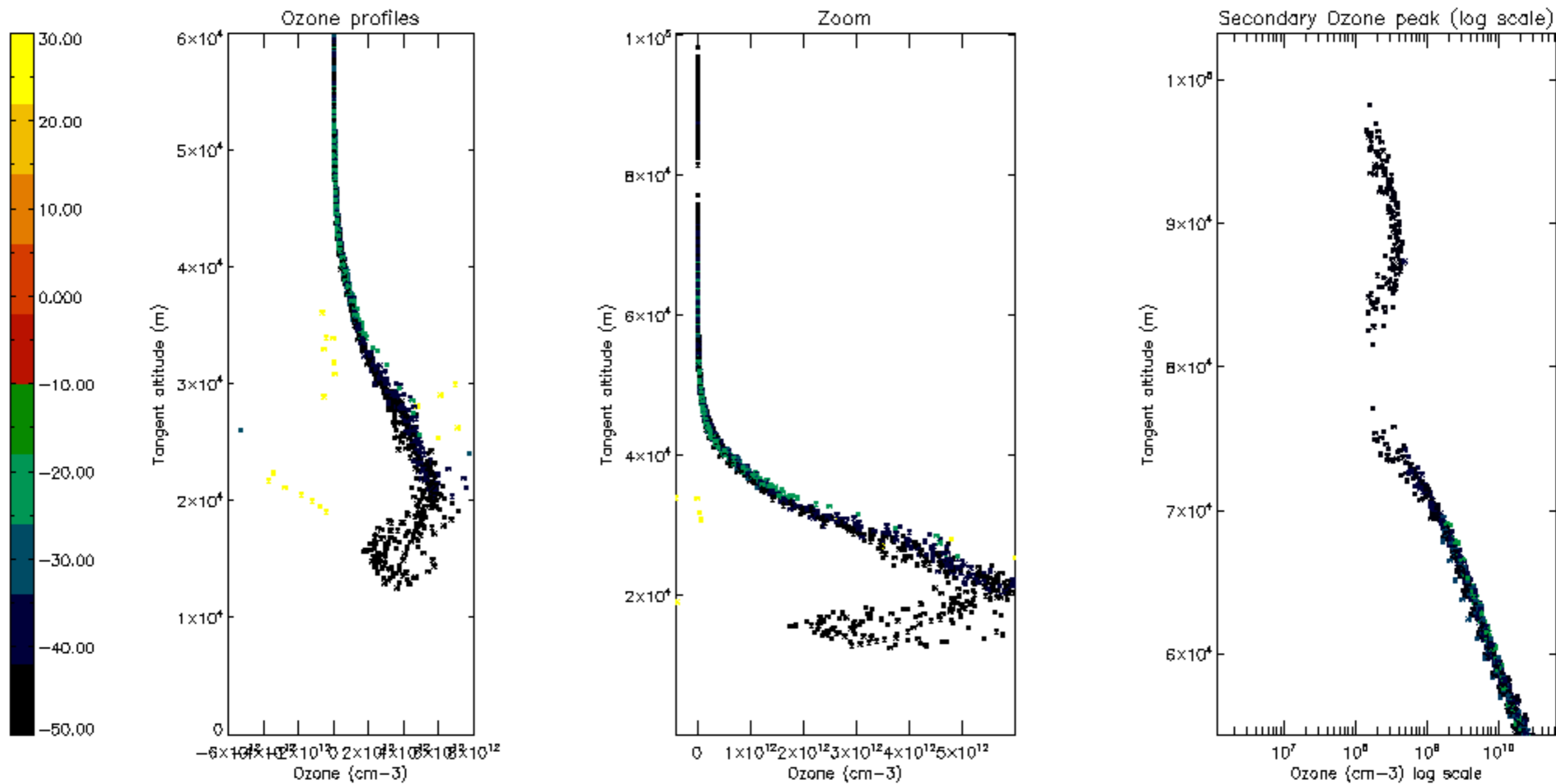
Percentage of saturation errors per profile

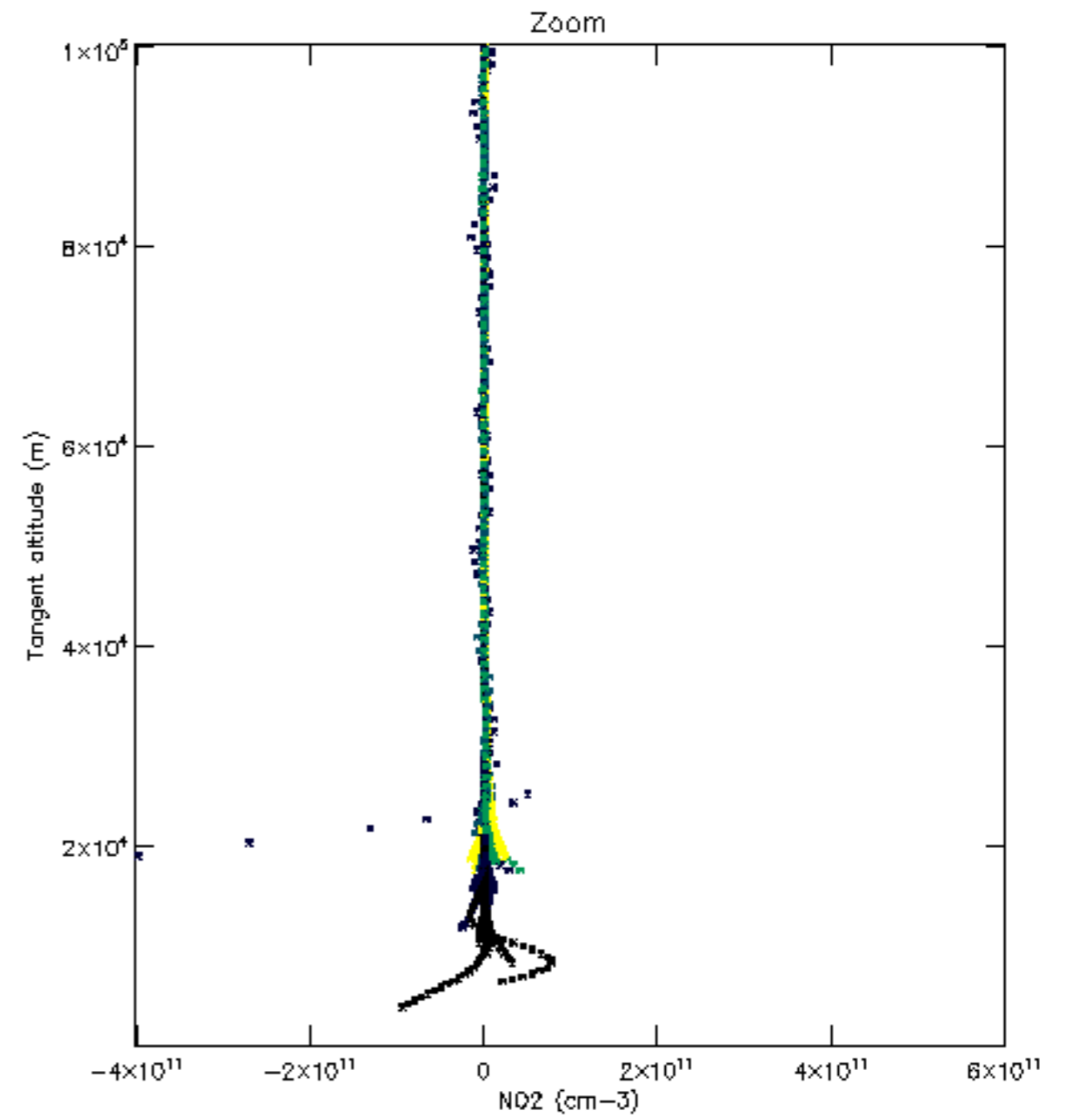
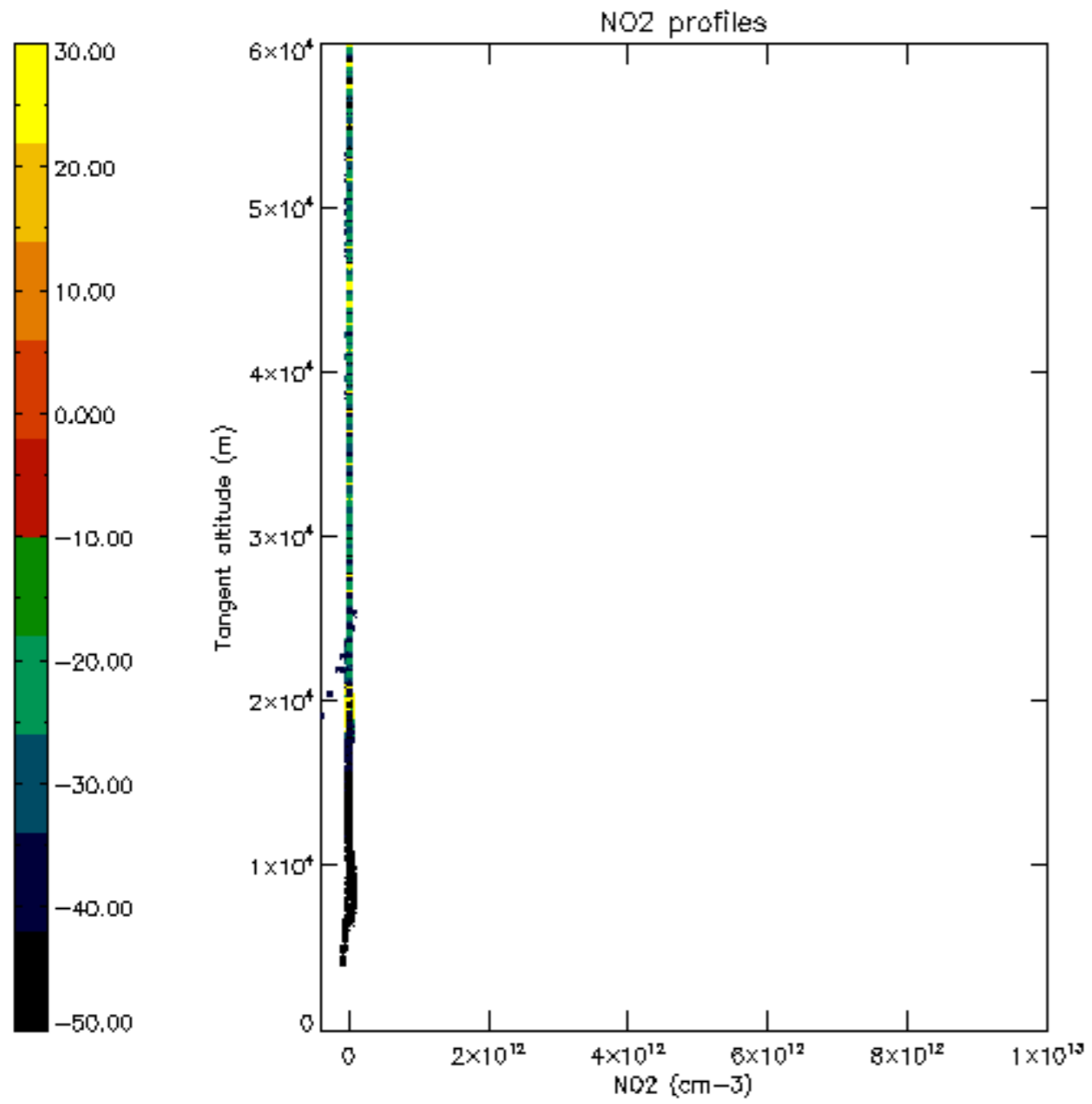


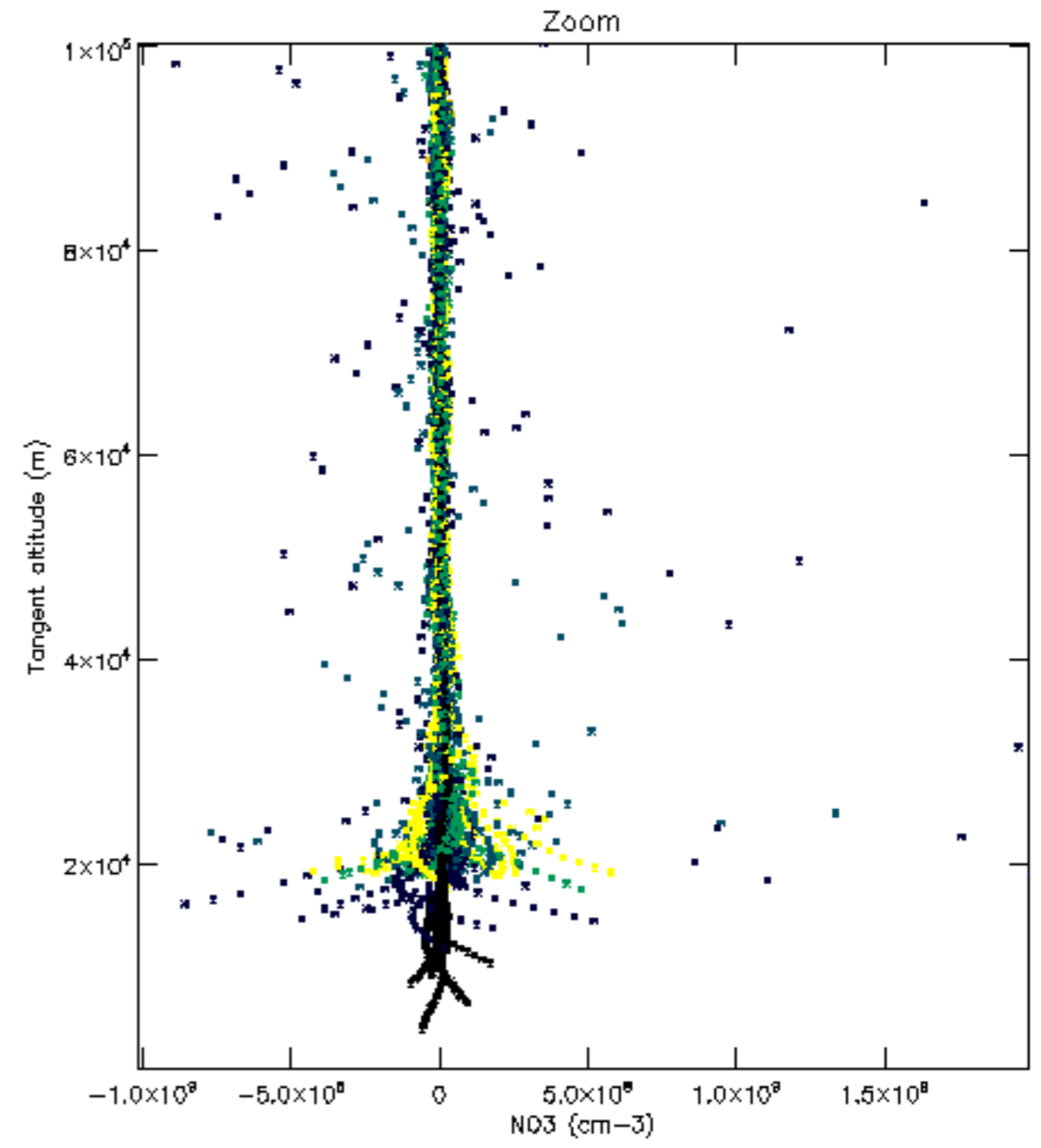
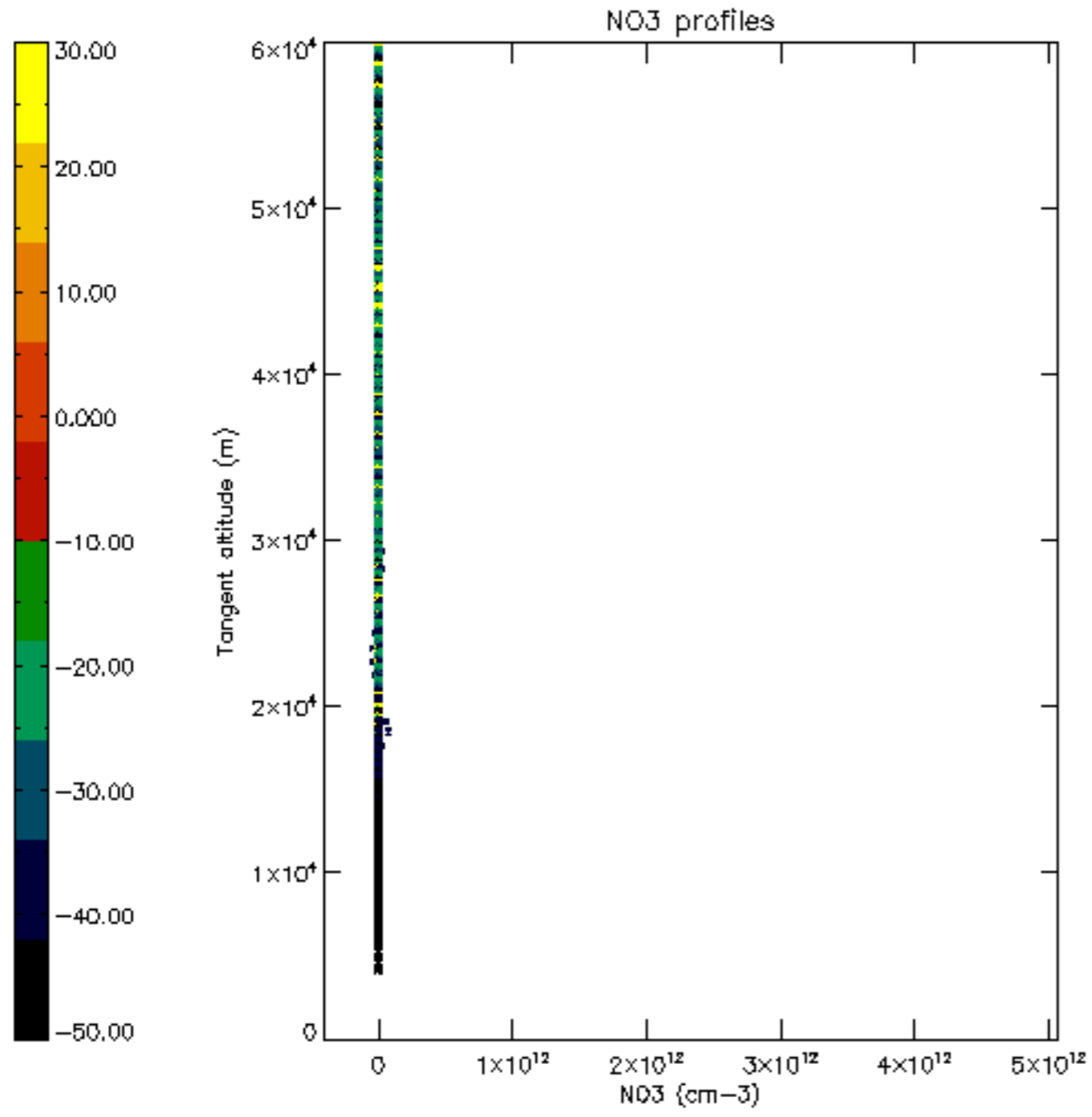


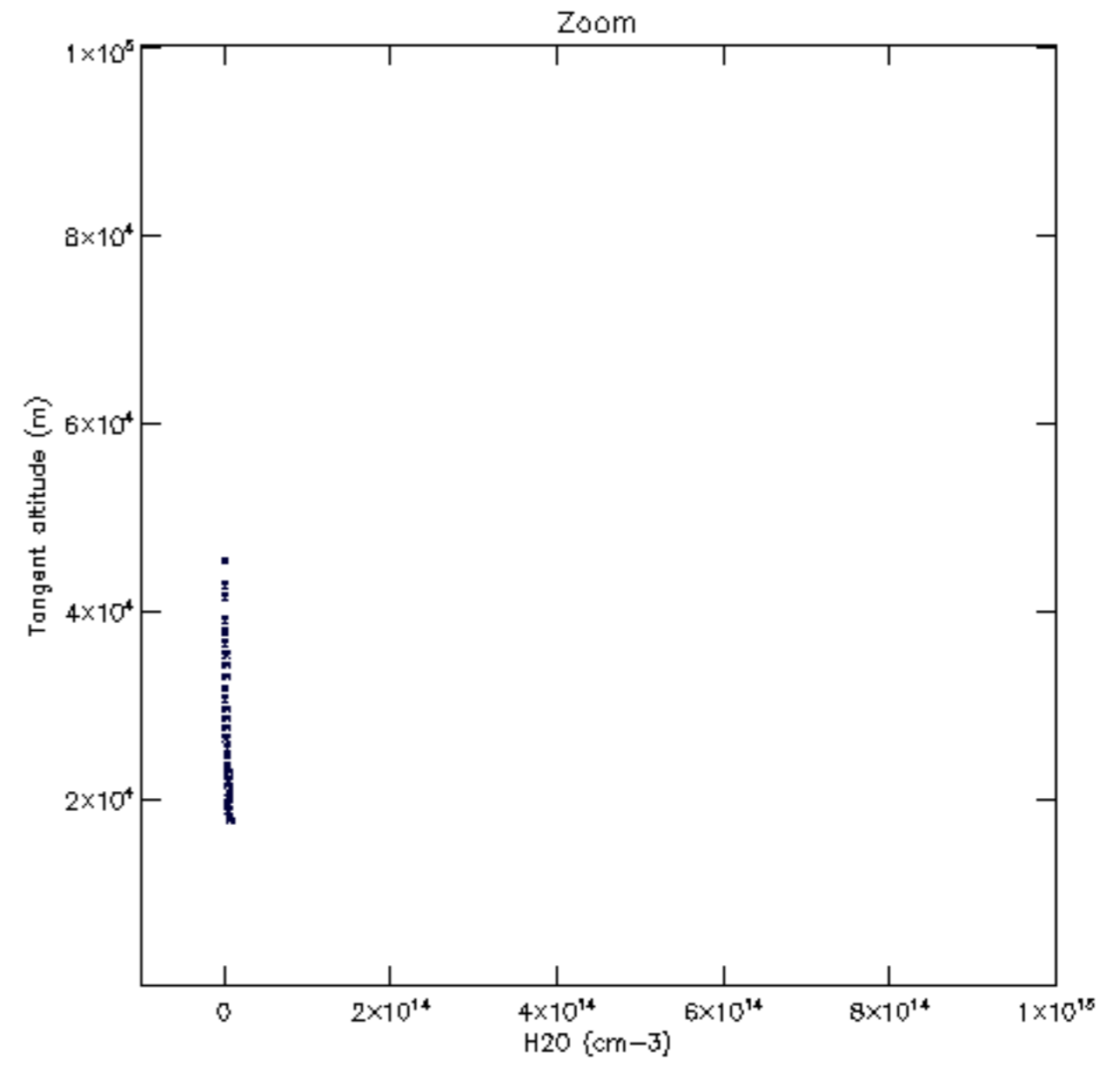
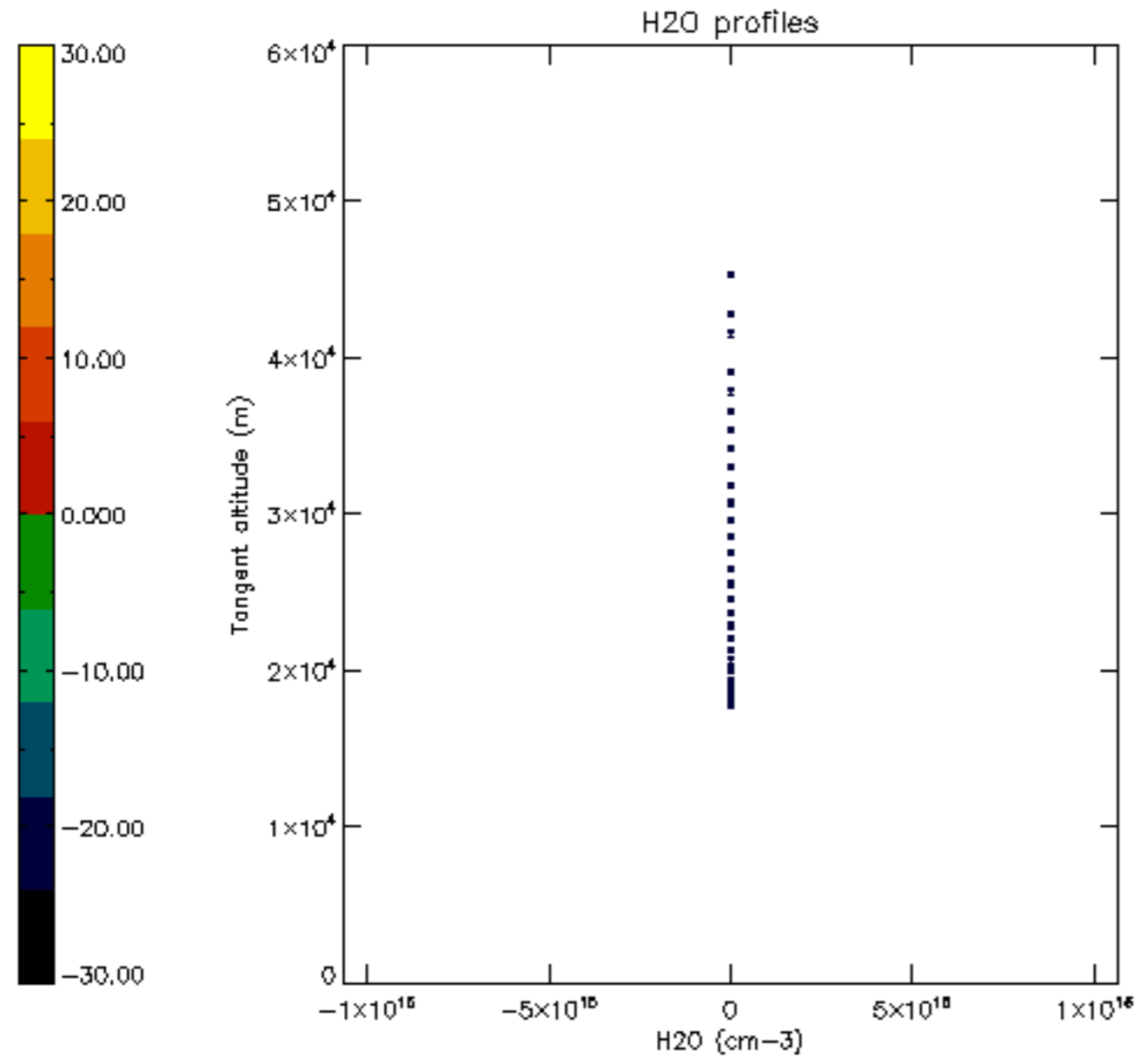


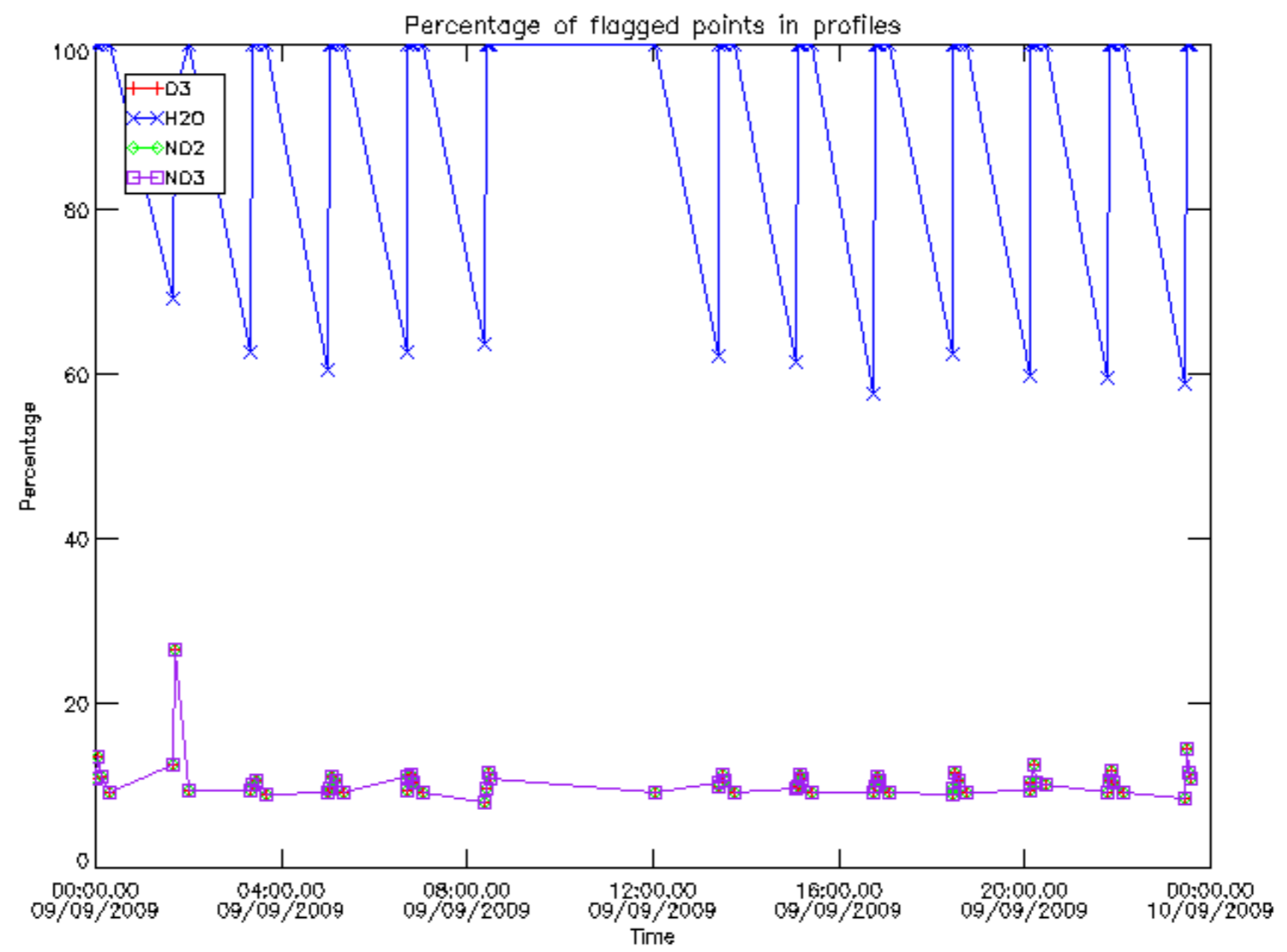




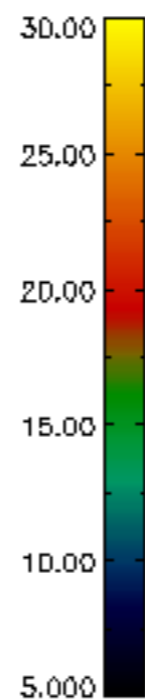
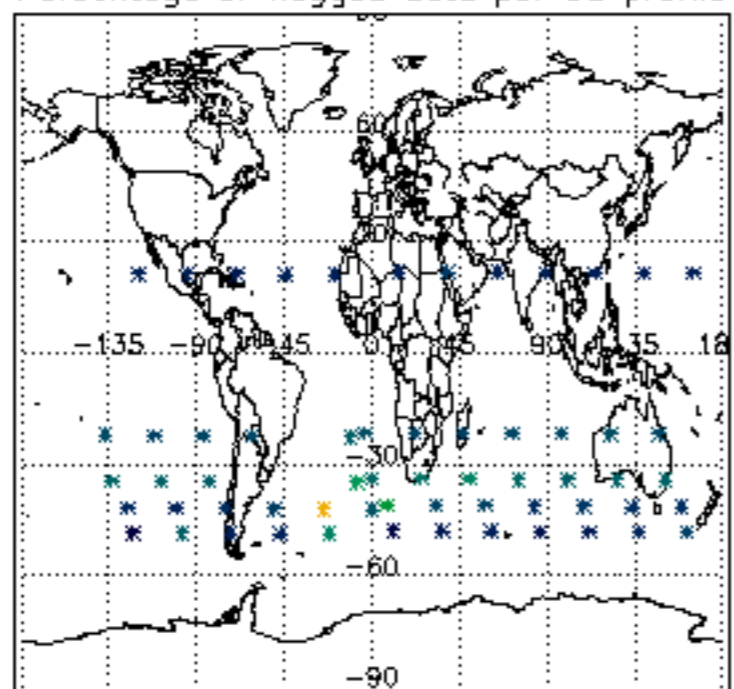




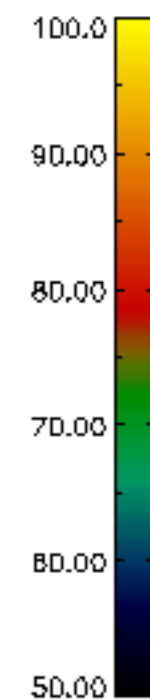
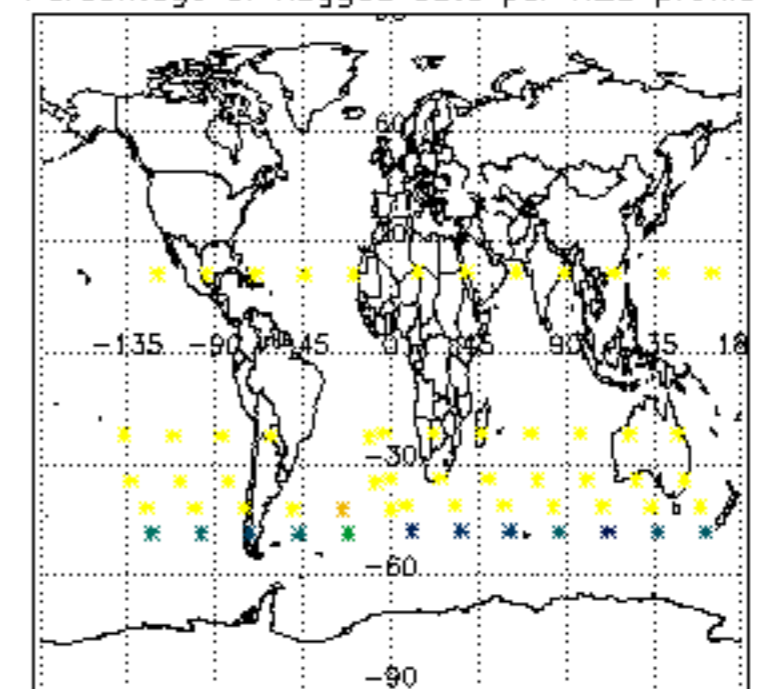




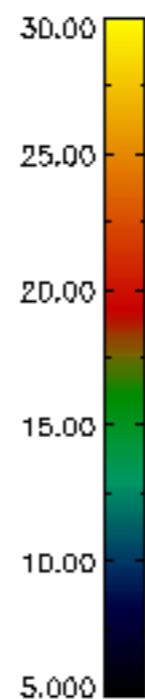
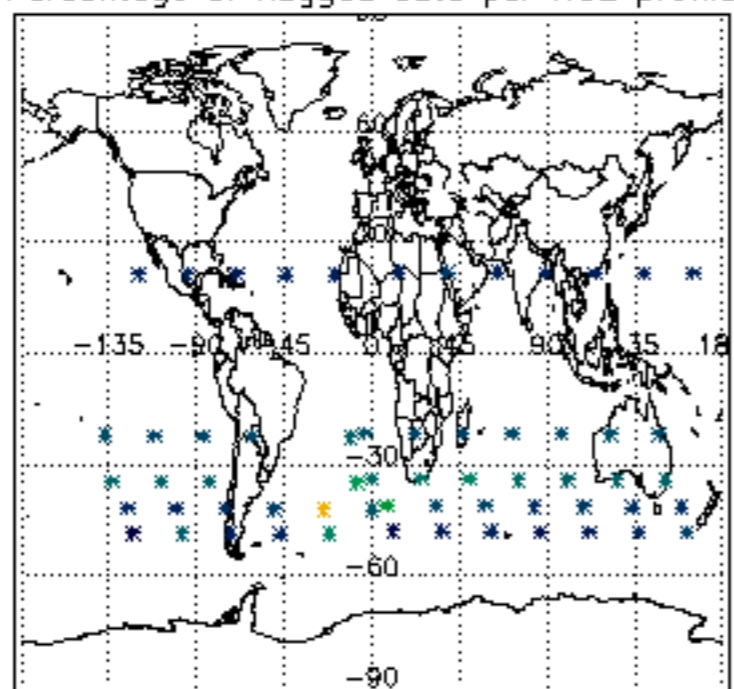
Percentage of flagged data per D3 profile



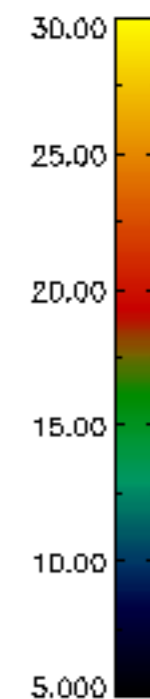
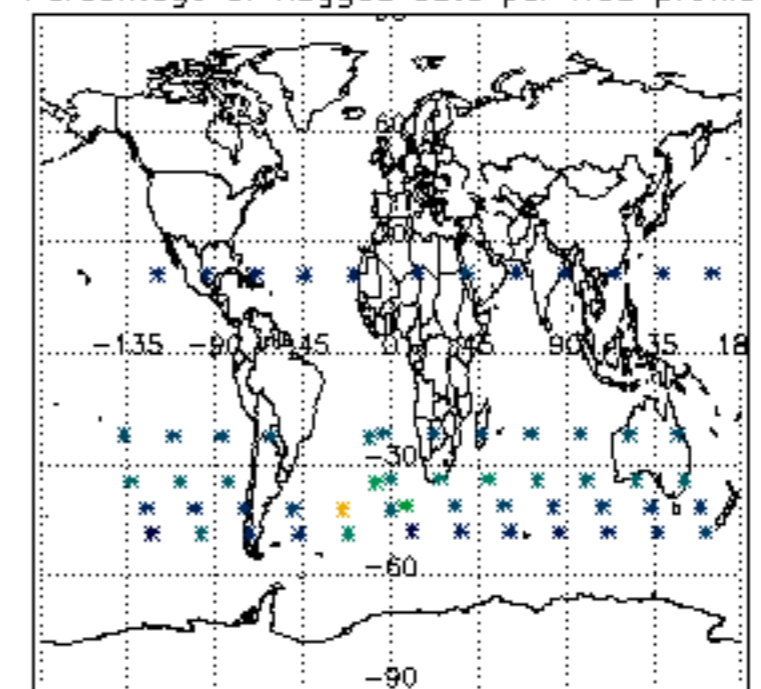
Percentage of flagged data per H2O profile

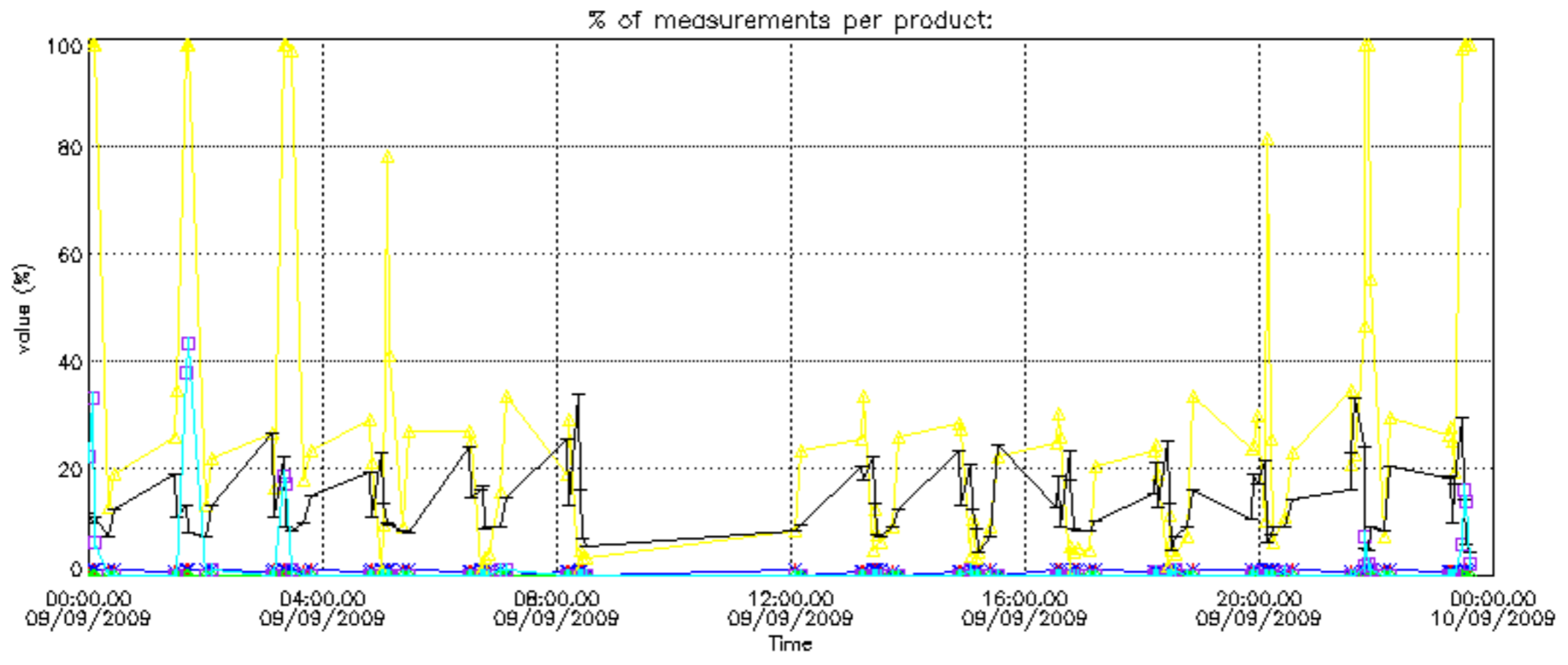


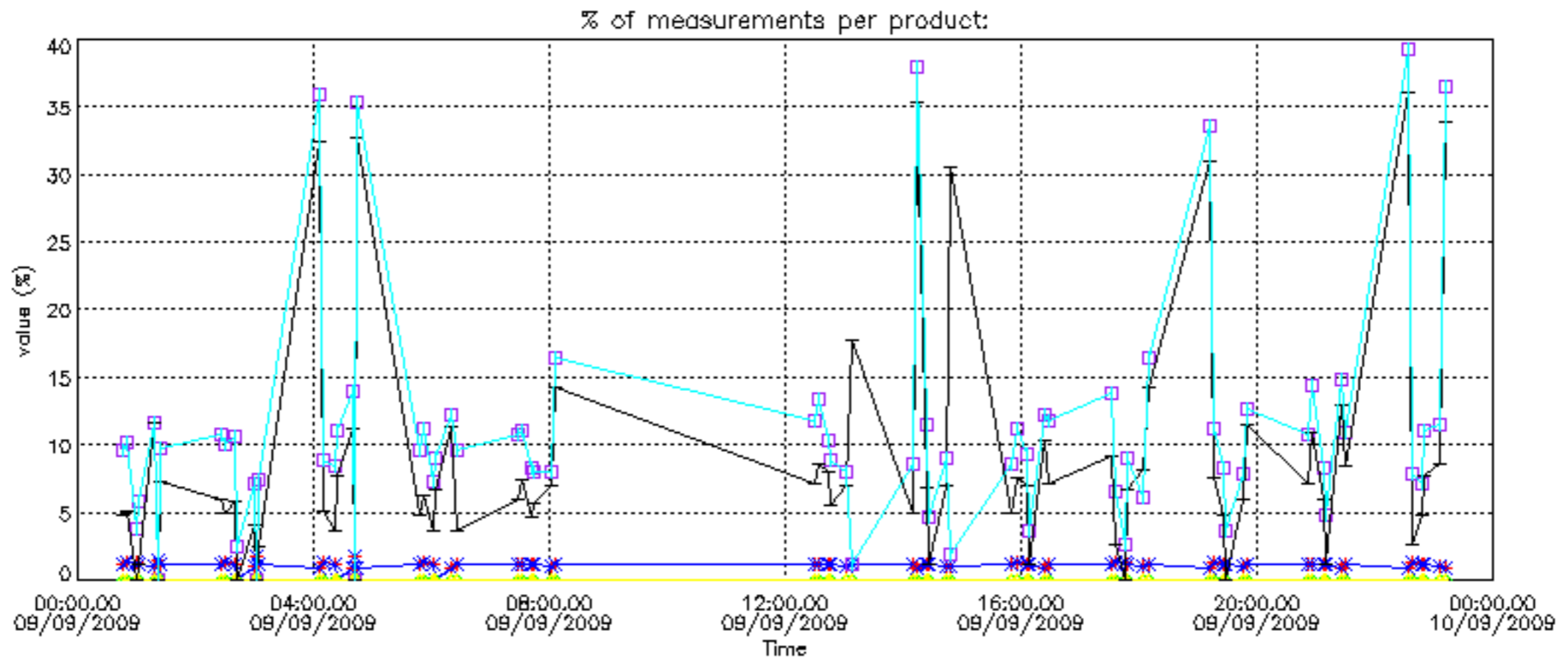
Percentage of flagged data per NO2 profile



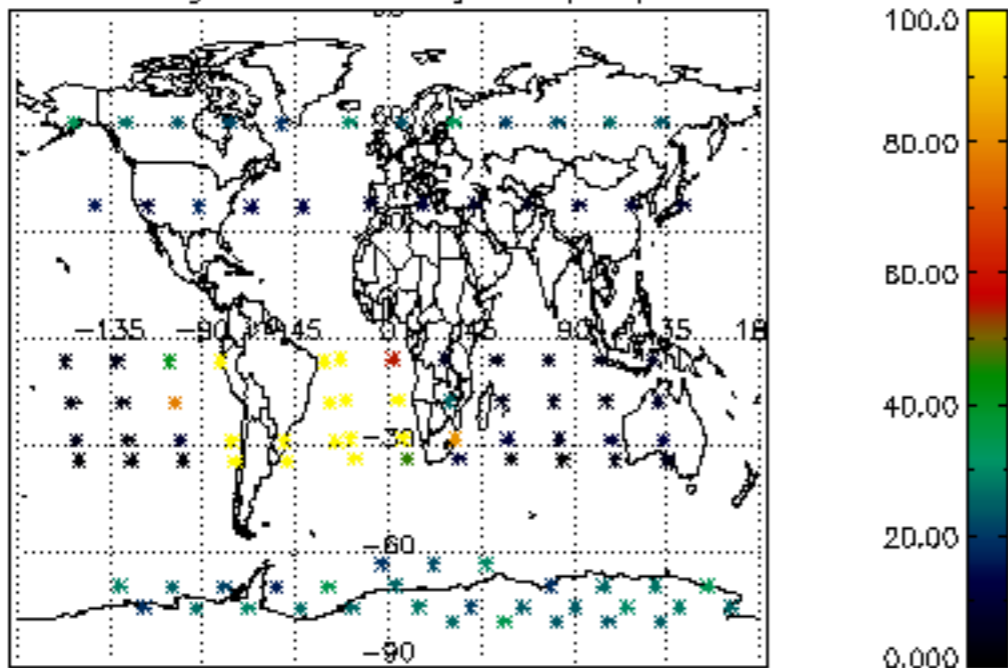
Percentage of flagged data per NO3 profile



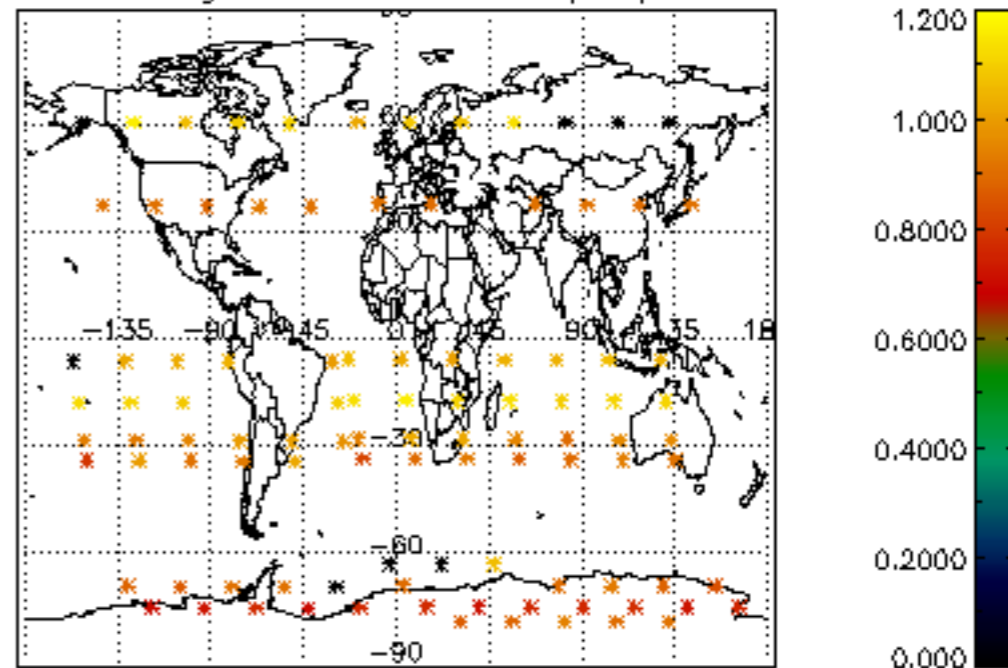




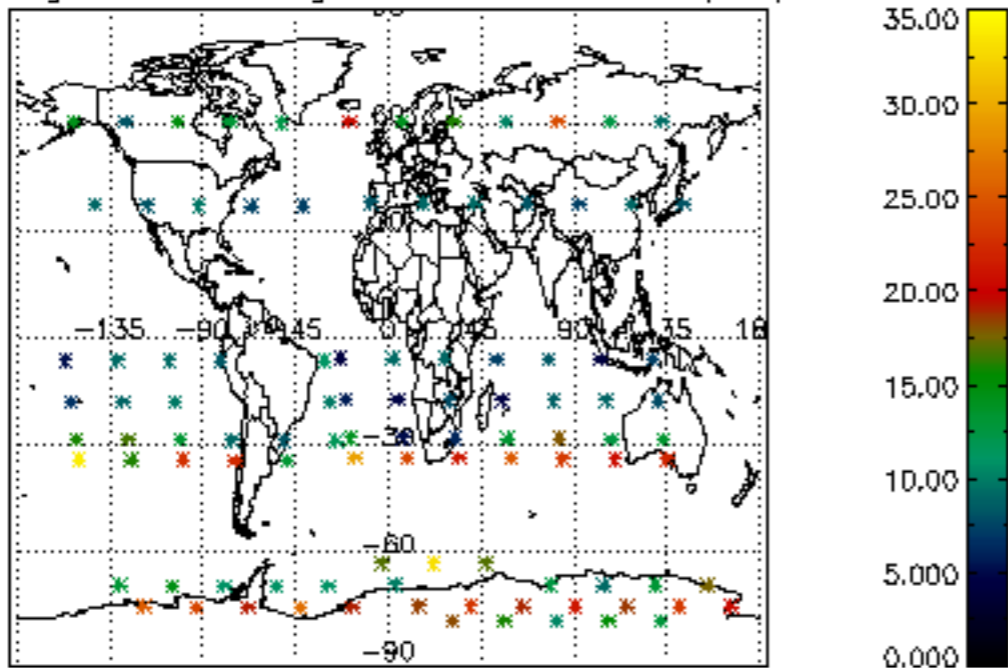
Percentage of cosmic ray hits per profile



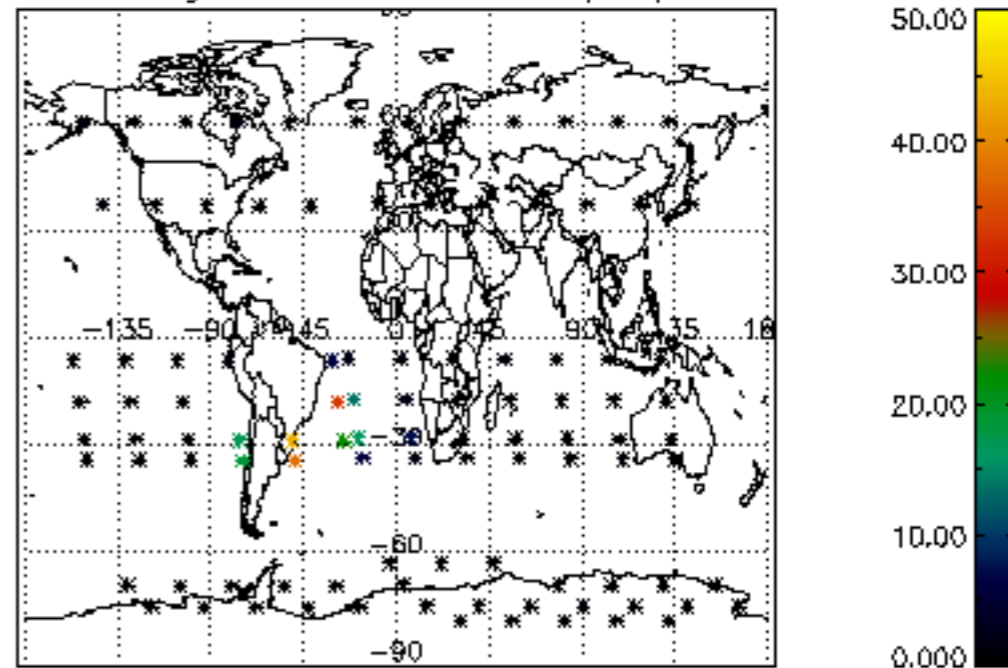
Percentage of datation errors per profile



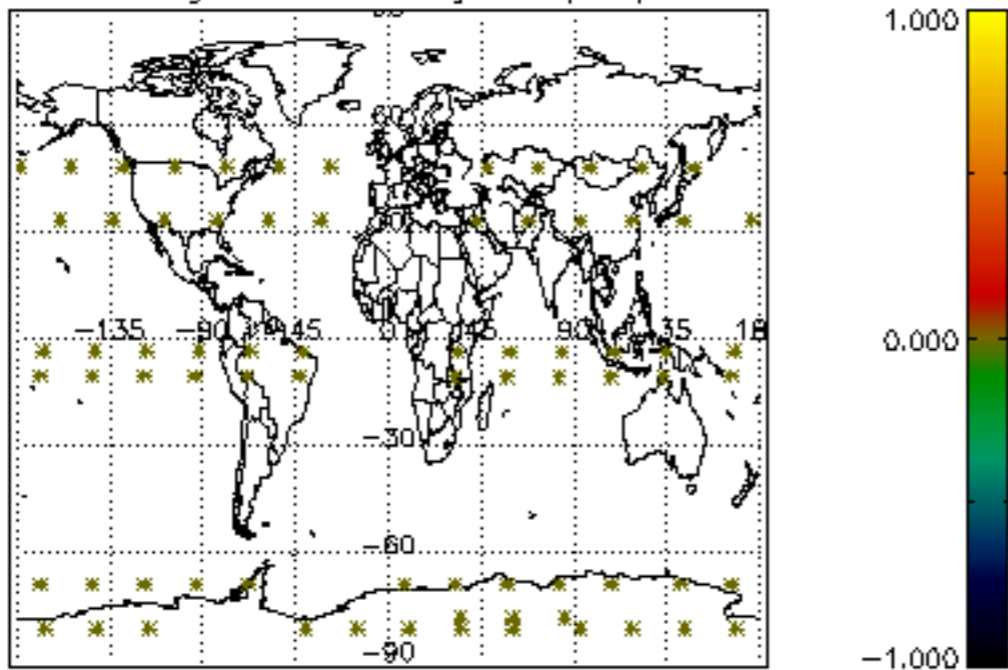
Percentage of star falling outside central band per profile



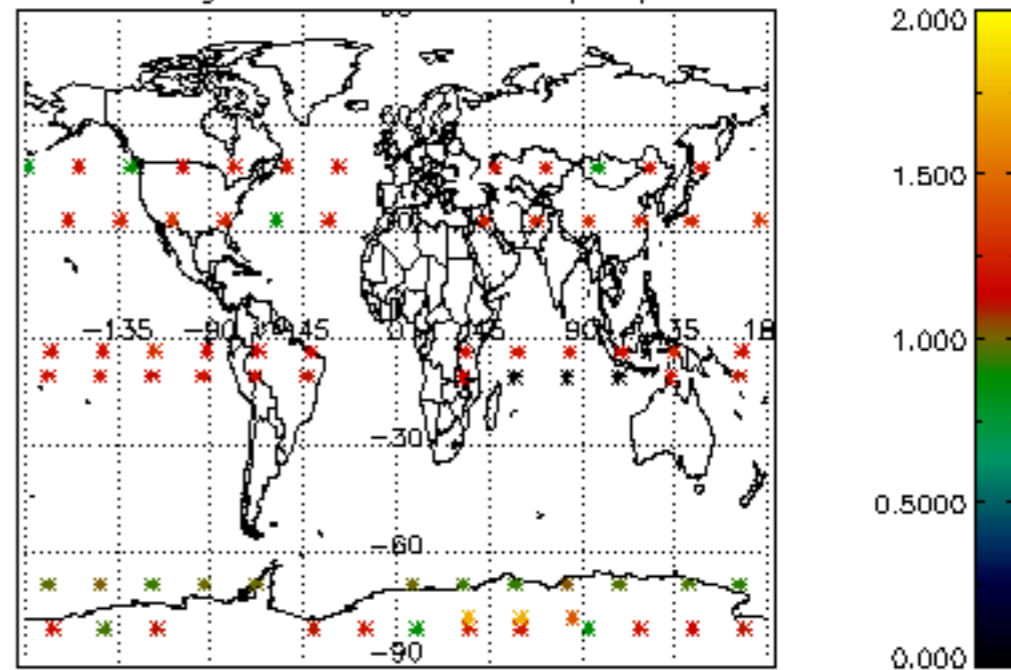
Percentage of saturation errors per profile



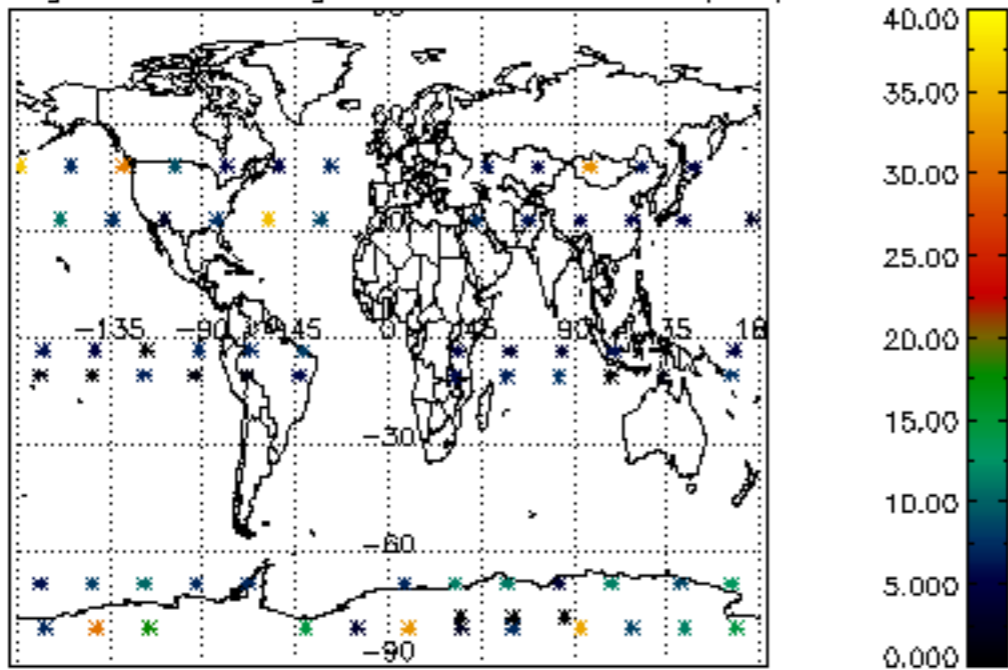
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

