

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	19APR2013 15:39:41
Data source version	GOMOS/6.01
Start time of products	07-06-2003 (07JUN2003 00:00:00)
Stop time of products	08-06-2003 (08JUN2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	58
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

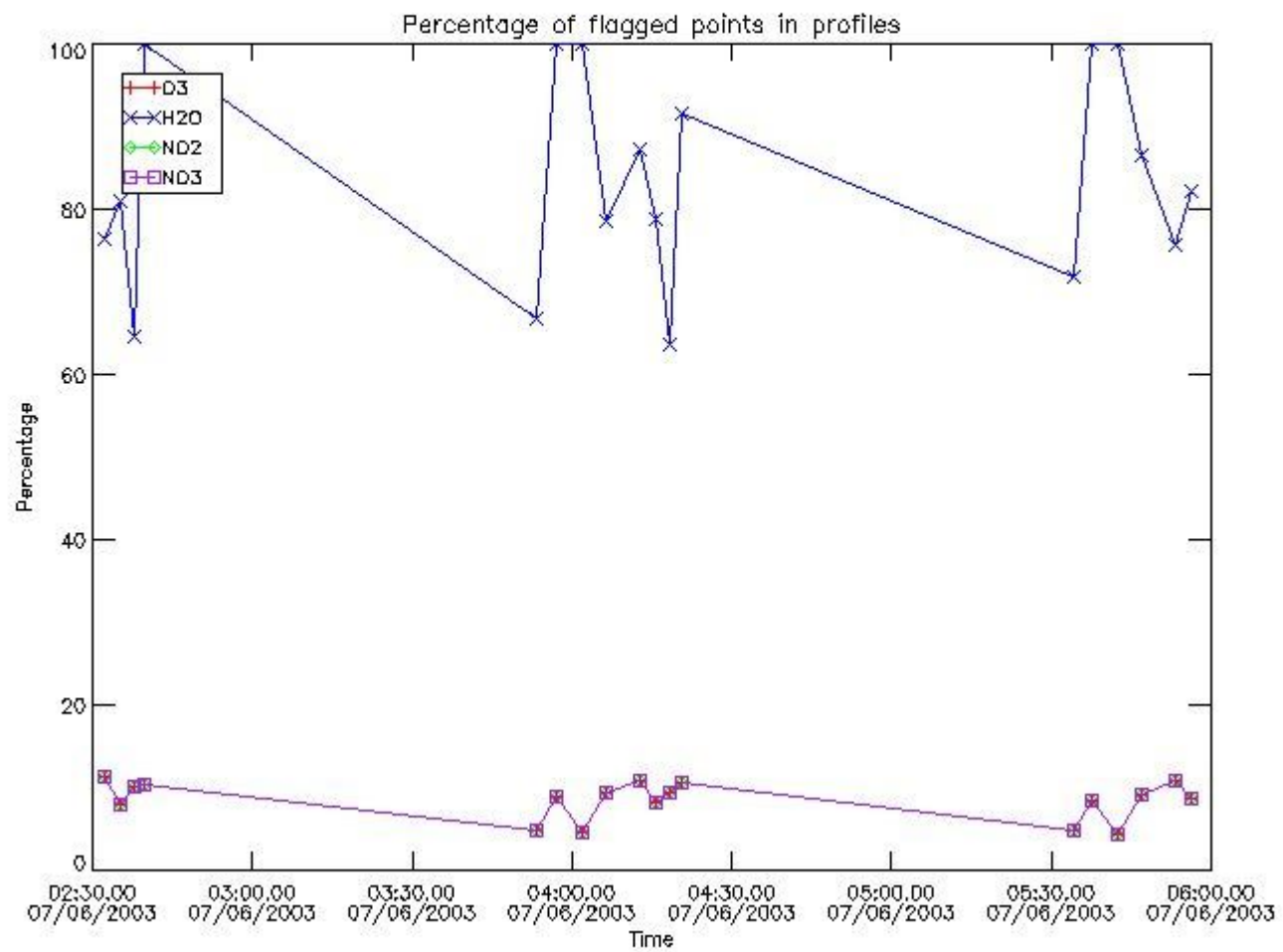
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20030607_023212_000000452017_00060_06627_6491.N1	07-JUN-2003 02:32:12	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	6627	No
2	GOM_NL__2PRFIN20030607_023512_000000722017_00060_06627_6492.N1	07-JUN-2003 02:35:12	Dark	71.500	18	24Alp PsA	1.1660	9700.0	143	6627	No
3	GOM_NL__2PRFIN20030607_023755_000000502017_00061_06628_7161.N1	07-JUN-2003 02:37:55	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	6628	No
4	GOM_NL__2PRFIN20030607_023953_000000492017_00061_06628_7162.N1	07-JUN-2003 02:39:53	Dark	49.000	31	Alp Gru	1.7340	15200.	98	6628	No
5	GOM_NL__2PRFIN20030607_024429_000000432017_00061_06628_7163.N1	07-JUN-2003 02:44:29	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	6628	No
6	GOM_NL__2PRFIN20030607_025015_000000412017_00061_06628_7164.N1	07-JUN-2003 02:50:15	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	6628	No
7	GOM_NL__2PRFIN20030607_025133_000000392017_00061_06628_7165.N1	07-JUN-2003 02:51:33	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	6628	No
8	GOM_NL__2PRFIN20030607_025316_000000452017_00061_06628_7166.N1	07-JUN-2003 02:53:16	Straylight	44.500	40	The Sco	1.8590	7100.0	89	6628	No
9	GOM_NL__2PRFIN20030607_025502_000000492017_00061_06628_7167.N1	07-JUN-2003 02:55:02	Twilight_stray	48.500	25	35Lam Sco	1.6200	28000.	97	6628	No
10	GOM_NL__2PRFIN20030607_025633_000000622017_00061_06628_7168.N1	07-JUN-2003 02:56:33	Twilight_stray	62.000	57	34Sig Sgr	2.0660	26000.	124	6628	No
11	GOM_NL__2PRFIN20030607_025833_000000692017_00061_06628_7169.N1	07-JUN-2003 02:58:33	Bright	69.000	155	41Pi Sgr	2.9000	6600.0	138	6628	No
12	GOM_NL__2PRFIN20030607_030205_000000422017_00061_06628_7170.N1	07-JUN-2003 03:02:05	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	6628	No
13	GOM_NL__2PRFIN20030607_030353_000000402017_00061_06628_7171.N1	07-JUN-2003 03:03:53	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	6628	No
14	GOM_NL__2PRFIN20030607_030601_000000392017_00061_06628_7172.N1	07-JUN-2003 03:06:01	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	6628	No
15	GOM_NL__2PRFIN20030607_030901_000000362017_00061_06628_7173.N1	07-JUN-2003 03:09:01	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	6628	No
16	GOM_NL__2PRFIN20030607_031344_000000422017_00061_06628_7174.N1	07-JUN-2003 03:13:44	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	6628	No
17	GOM_NL__2PRFIN20030607_031700_000000412017_00061_06628_7175.N1	07-JUN-2003 03:17:00	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	6628	No
18	GOM_NL__2PRFIN20030607_032415_000000402017_00061_06628_7176.N1	07-JUN-2003 03:24:15	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	6628	No
19	GOM_NL__2PRFIN20030607_032811_000000372017_00061_06628_7177.N1	07-JUN-2003 03:28:11	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	6628	No
20	GOM_NL__2PRFIN20030607_033253_000000352017_00061_06628_7178.N1	07-JUN-2003 03:32:53	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	6628	No
21	GOM_NL__2PRFIN20030607_033505_000000482017_00061_06628_7179.N1	07-JUN-2003 03:35:05	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	6628	No
22	GOM_NL__2PRFIN20030607_034046_000000392017_00061_06628_7180.N1	07-JUN-2003 03:40:46	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	6628	No
23	GOM_NL__2PRFIN20030607_034535_000001902017_00061_06628_7181.N1	07-JUN-2003 03:45:35	Straylight	190.00	92	53Eps Cyg	2.5000	4500.0	380	6628	No
24	GOM_NL__2PRFIN20030607_035140_000000622017_00061_06628_7182.N1	07-JUN-2003 03:51:40	Straylight	61.500	58	21Alp And	2.0730	11000.	123	6628	No
25	GOM_NL__2PRFIN20030607_035330_000001092017_00061_06628_7183.N1	07-JUN-2003 03:53:30	Dark	108.50	93	53Bet Peg	2.5200	3100.0	217	6628	No
26	GOM_NL__2PRFIN20030607_035705_000000582017_00061_06628_7184.N1	07-JUN-2003 03:57:05	Dark	57.500	140	88Gam Peg	2.8340	26000.	115	6628	No
27	GOM_NL__2PRFIN20030607_040152_000001222017_00061_06628_7185.N1	07-JUN-2003 04:01:52	Dark	121.50	90	54Alp Peg	2.4870	11000.	243	6628	No
28	GOM_NL__2PRFIN20030607_040614_000000542017_00061_06628_7186.N1	07-JUN-2003 04:06:14	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	6628	No
29	GOM_NL__2PRFIN20030607_041248_000000472017_00061_06628_7187.N1	07-JUN-2003 04:12:48	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	6628	No
30	GOM_NL__2PRFIN20030607_041549_000000622017_00061_06628_7188.N1	07-JUN-2003 04:15:49	Dark	62.000	18	24Alp PsA	1.1660	9700.0	124	6628	No
31	GOM_NL__2PRFIN20030607_041831_000000602017_00062_06629_7161.N1	07-JUN-2003 04:18:31	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	6629	No
32	GOM_NL__2PRFIN20030607_042030_000000482017_00062_06629_7162.N1	07-JUN-2003 04:20:30	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6629	No
33	GOM_NL__2PRFIN20030607_042505_000000442017_00062_06629_7163.N1	07-JUN-2003 04:25:05	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	6629	No
34	GOM_NL__2PRFIN20030607_043051_000000462017_00062_06629_7164.N1	07-JUN-2003 04:30:51	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	6629	No
35	GOM_NL__2PRFIN20030607_043209_000000392017_00062_06629_7165.N1	07-JUN-2003 04:32:09	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	6629	No
36	GOM_NL__2PRFIN20030607_043352_000000442017_00062_06629_7166.N1	07-JUN-2003 04:33:52	Straylight	44.000	40	The Sco	1.8590	7100.0	88	6629	No
37	GOM_NL__2PRFIN20030607_043538_000000472017_00062_06629_7167.N1	07-JUN-2003 04:35:38	Twilight_stray	47.000	25	35Lam Sco	1.6200	28000.	94	6629	No
38	GOM_NL__2PRFIN20030607_043709_000000622017_00062_06629_7168.N1	07-JUN-2003 04:37:09	Twilight_stray	61.500	57	34Sig Sgr	2.0660	26000.	123	6629	No
39	GOM_NL__2PRFIN20030607_043910_000000692017_00062_06629_7169.N1	07-JUN-2003 04:39:10	Bright	68.500	155	41Pi Sgr	2.9000	6600.0	137	6629	No
40	GOM_NL__2PRFIN20030607_044241_000000432017_00062_06629_7170.N1	07-JUN-2003 04:42:41	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	6629	No
41	GOM_NL__2PRFIN20030607_044429_000000392017_00062_06629_7171.N1	07-JUN-2003 04:44:29	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	6629	No
42	GOM_NL__2PRFIN20030607_044637_000000392017_00062_06629_7172.N1	07-JUN-2003 04:46:37	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	6629	No

43	GOM_NL__2PRFIN20030607_044937_000000362017_00062_06629_7173.N1	07-JUN-2003 04:49:37	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	6629	No
44	GOM_NL__2PRFIN20030607_045420_000000402017_00062_06629_7174.N1	07-JUN-2003 04:54:20	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	6629	No
45	GOM_NL__2PRFIN20030607_045735_000000412017_00062_06629_7175.N1	07-JUN-2003 04:57:35	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	6629	No
46	GOM_NL__2PRFIN20030607_050450_000000442017_00062_06629_7176.N1	07-JUN-2003 05:04:50	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	6629	No
47	GOM_NL__2PRFIN20030607_050847_000000382017_00062_06629_7177.N1	07-JUN-2003 05:08:47	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6629	No
48	GOM_NL__2PRFIN20030607_051329_000000332017_00062_06629_7178.N1	07-JUN-2003 05:13:29	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	6629	No
49	GOM_NL__2PRFIN20030607_051540_000000462017_00062_06629_7179.N1	07-JUN-2003 05:15:40	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	6629	No
50	GOM_NL__2PRFIN20030607_052122_000000402017_00062_06629_7180.N1	07-JUN-2003 05:21:22	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	6629	No
51	GOM_NL__2PRFIN20030607_052607_000001902017_00062_06629_7181.N1	07-JUN-2003 05:26:07	Straylight	190.00	92	53Eps Cyg	2.5000	4500.0	380	6629	No
52	GOM_NL__2PRFIN20030607_053216_000000642017_00062_06629_7182.N1	07-JUN-2003 05:32:16	Straylight	64.000	58	21Alp And	2.0730	11000.	128	6629	No
53	GOM_NL__2PRFIN20030607_053408_000001072017_00062_06629_7183.N1	07-JUN-2003 05:34:08	Dark	106.50	93	53Bet Peg	2.5200	3100.0	213	6629	No
54	GOM_NL__2PRFIN20030607_053742_000000602017_00062_06629_7184.N1	07-JUN-2003 05:37:42	Dark	60.000	140	88Gam Peg	2.8340	26000.	120	6629	No
55	GOM_NL__2PRFIN20030607_054230_000001302017_00062_06629_7185.N1	07-JUN-2003 05:42:30	Dark	130.00	90	54Alp Peg	2.4870	11000.	260	6629	No
56	GOM_NL__2PRFIN20030607_054650_000000562017_00062_06629_7186.N1	07-JUN-2003 05:46:50	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	6629	No
57	GOM_NL__2PRFIN20030607_055325_000000482017_00062_06629_7187.N1	07-JUN-2003 05:53:25	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	6629	No
58	GOM_NL__2PRFIN20030607_055626_000000592017_00062_06629_7188.N1	07-JUN-2003 05:56:26	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	6629	No

3. Quality information per product

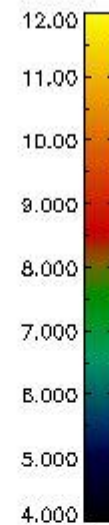
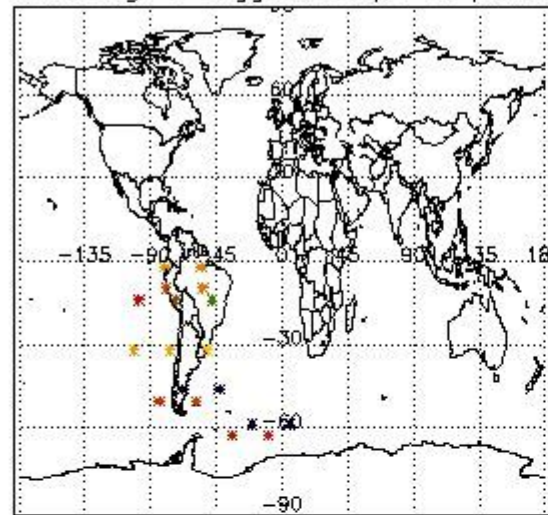
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

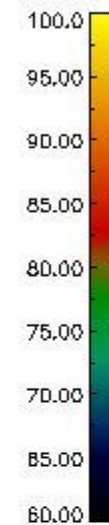
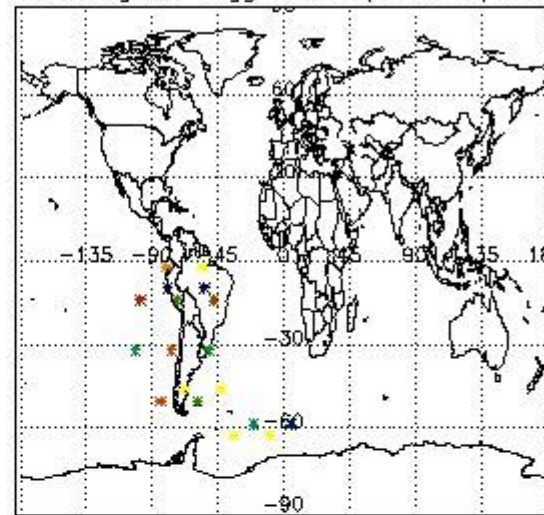


3.2 Plot quality information per product (world map)

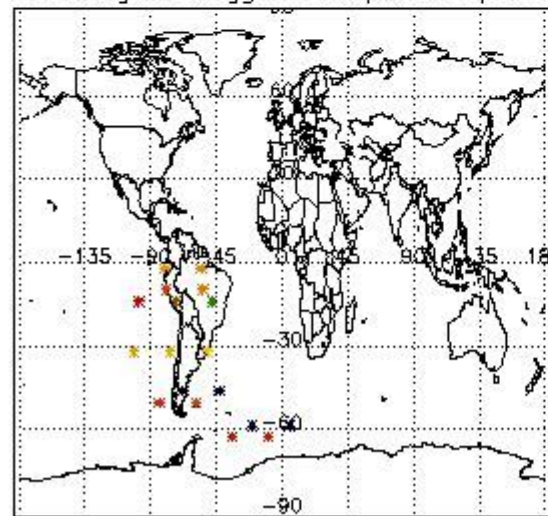
Percentage of flagged data per O3 profile



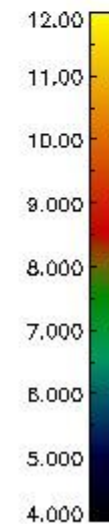
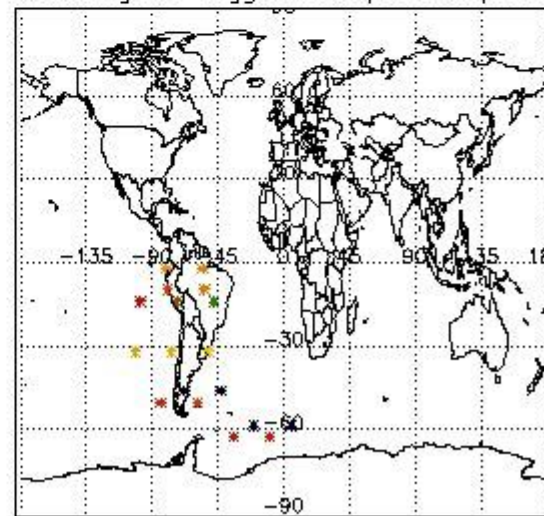
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

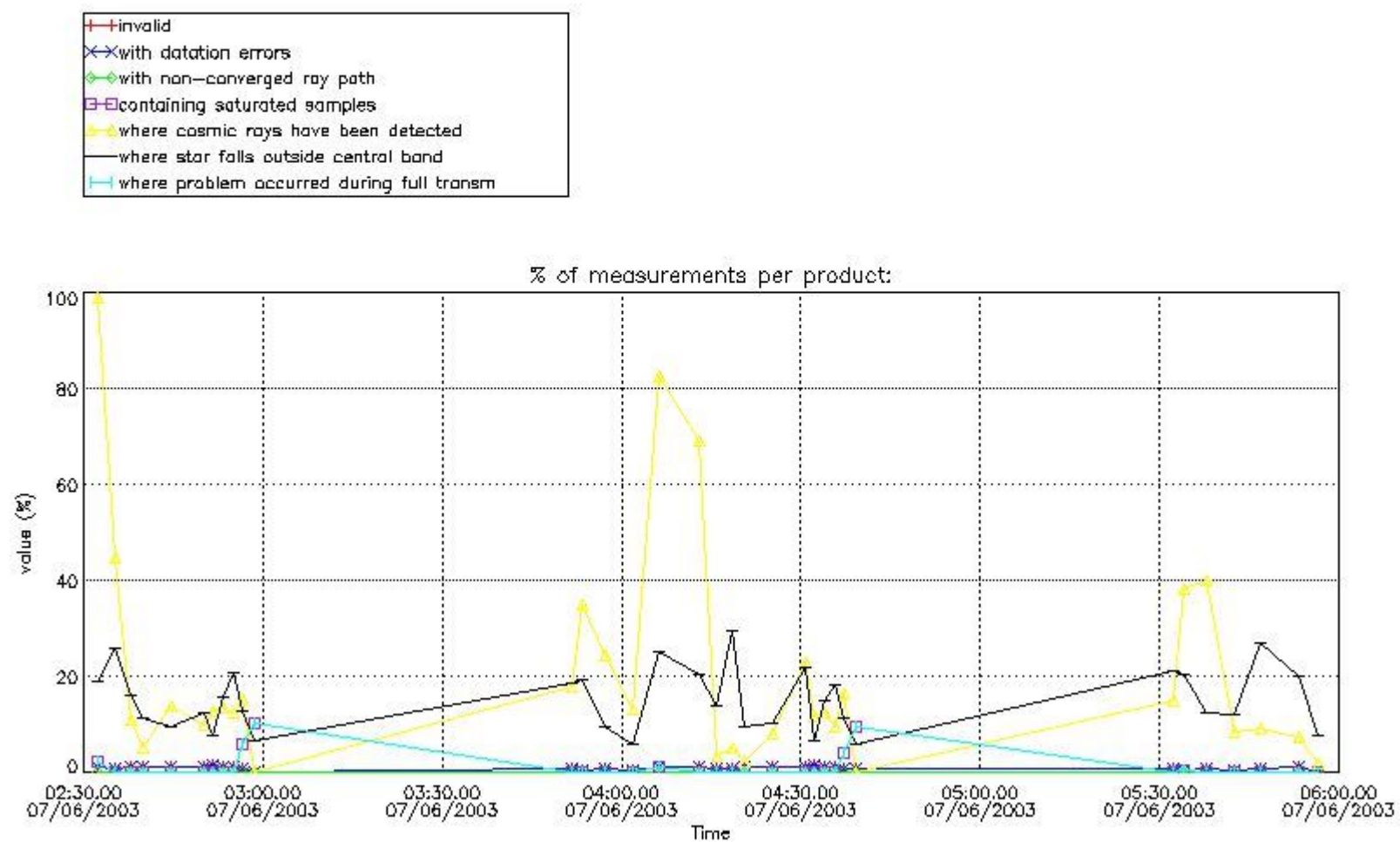


4. Level 1 quality information per product

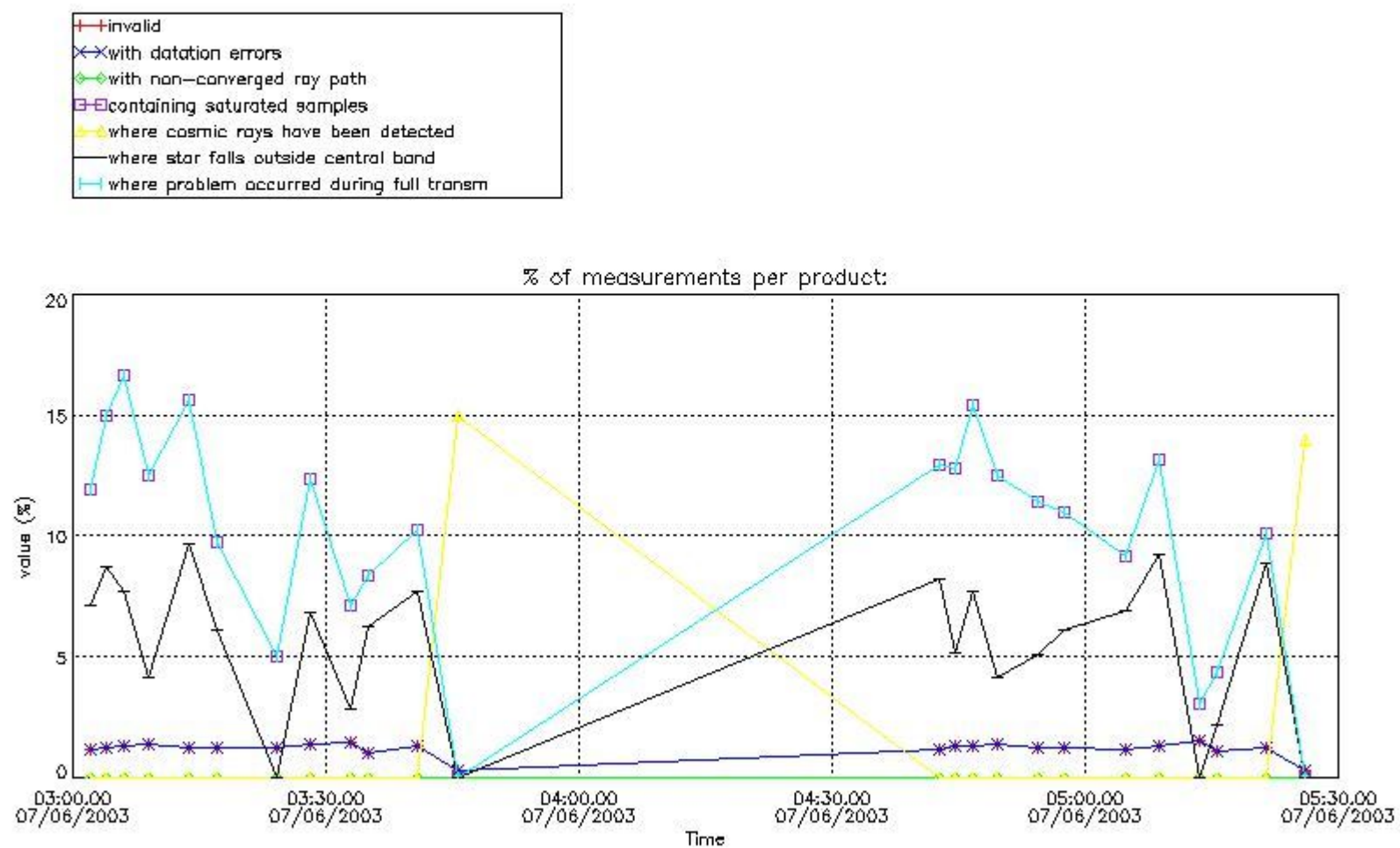
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



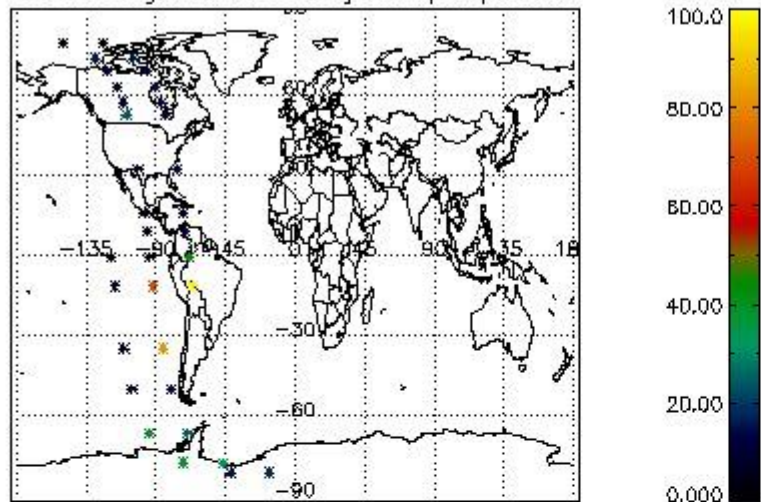
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



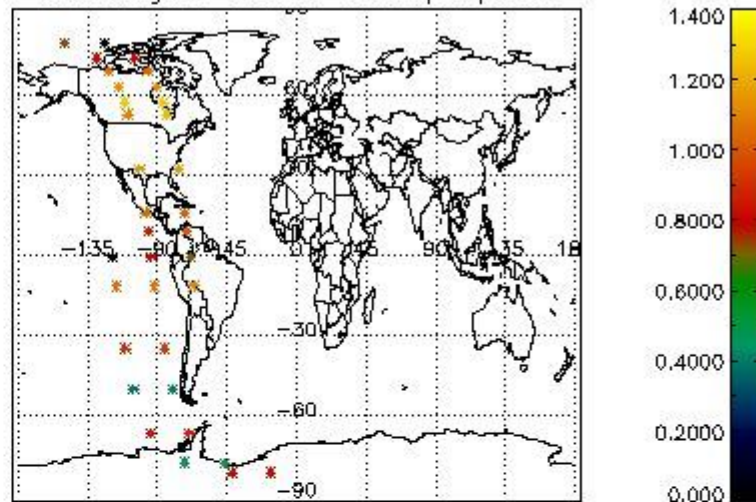
4.2 Plot quality information per product coming from level 1b processing (world map)

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

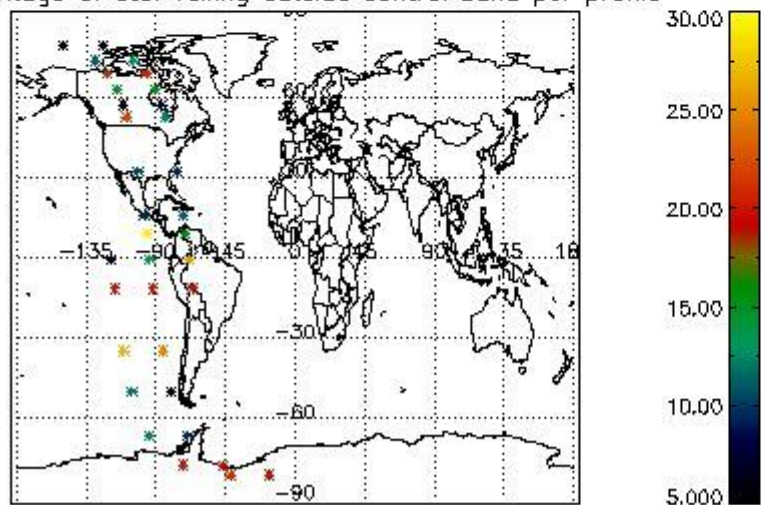
Percentage of cosmic ray hits per profile



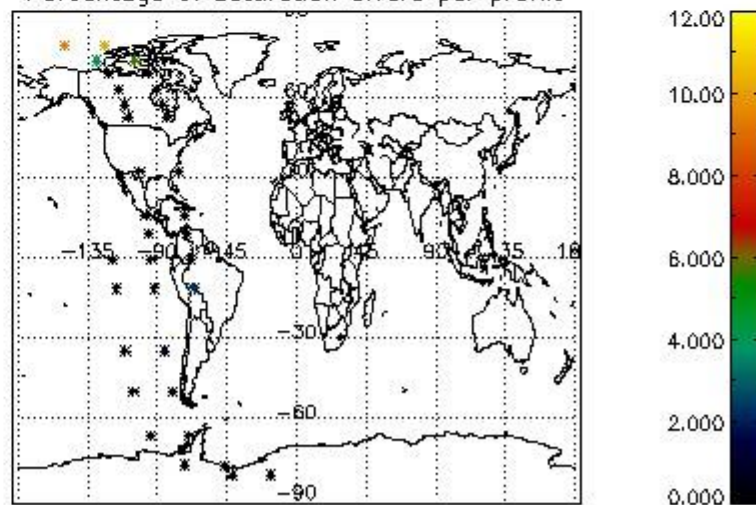
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

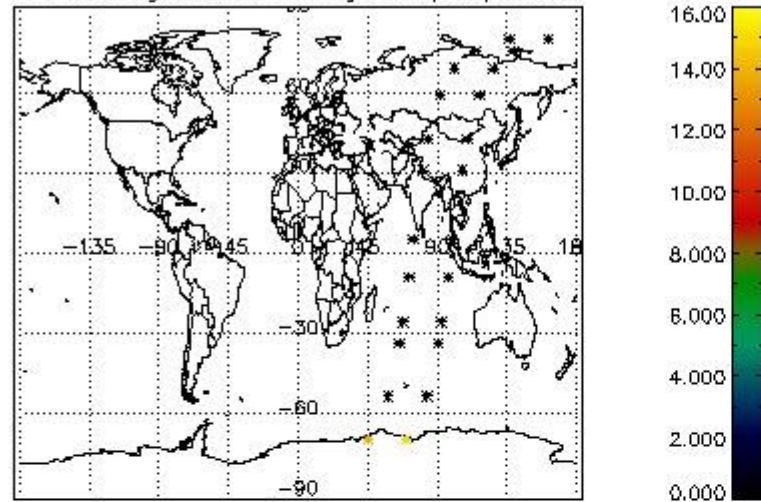


Percentage of saturation errors per profile

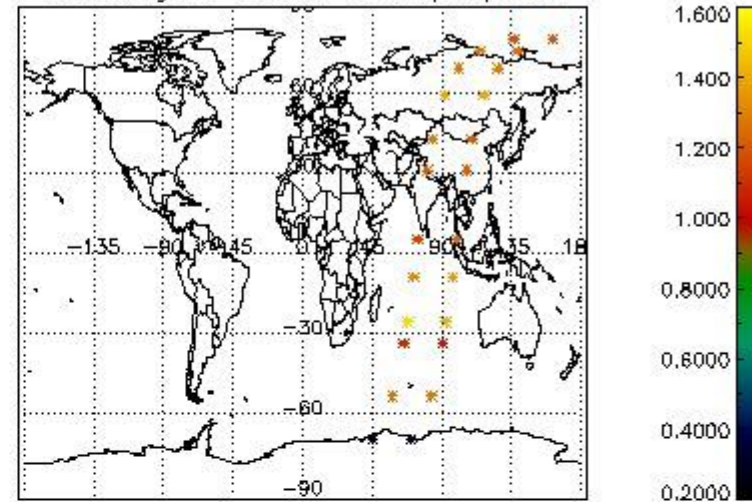


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

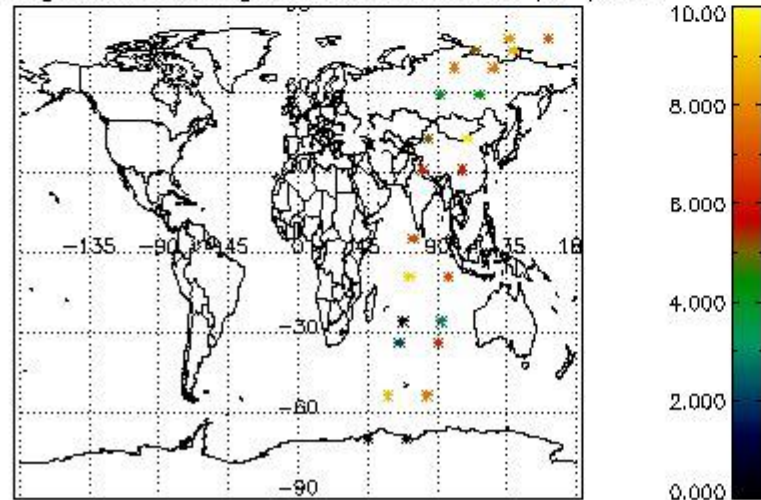
Percentage of cosmic ray hits per profile



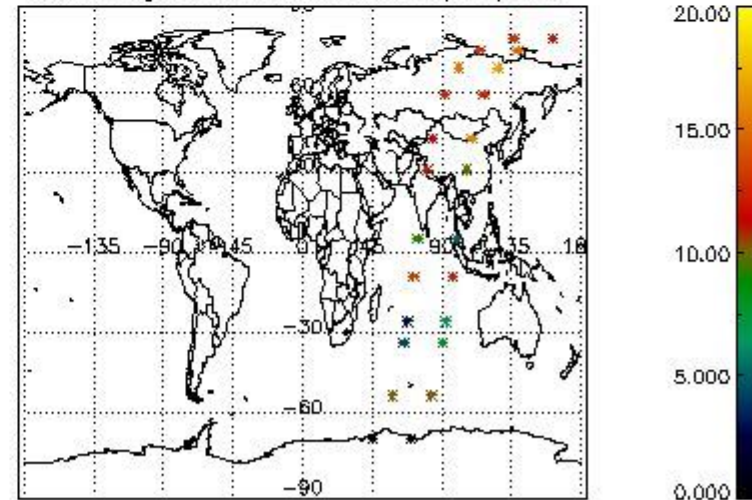
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

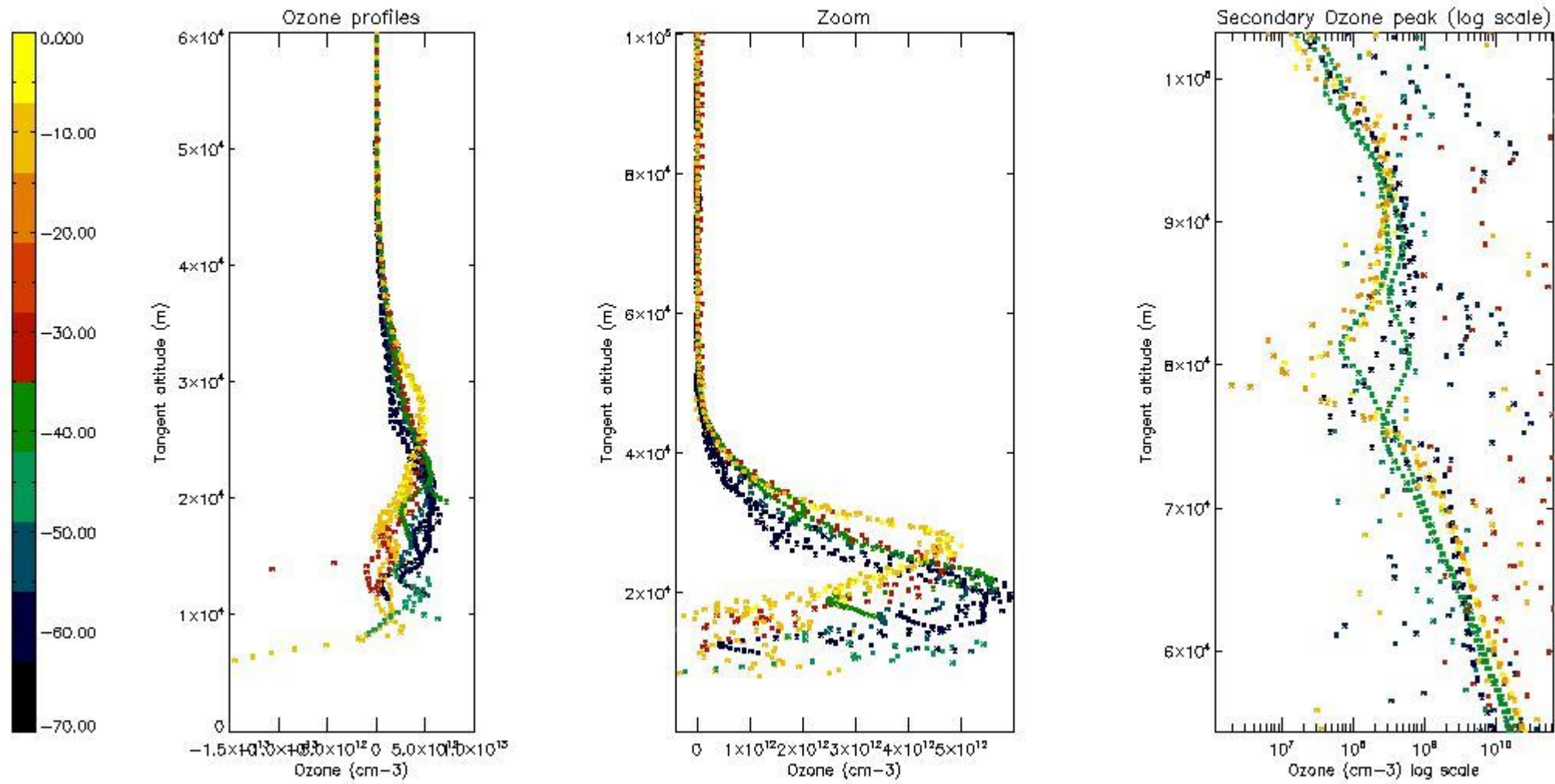
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	17
STD < 5	12

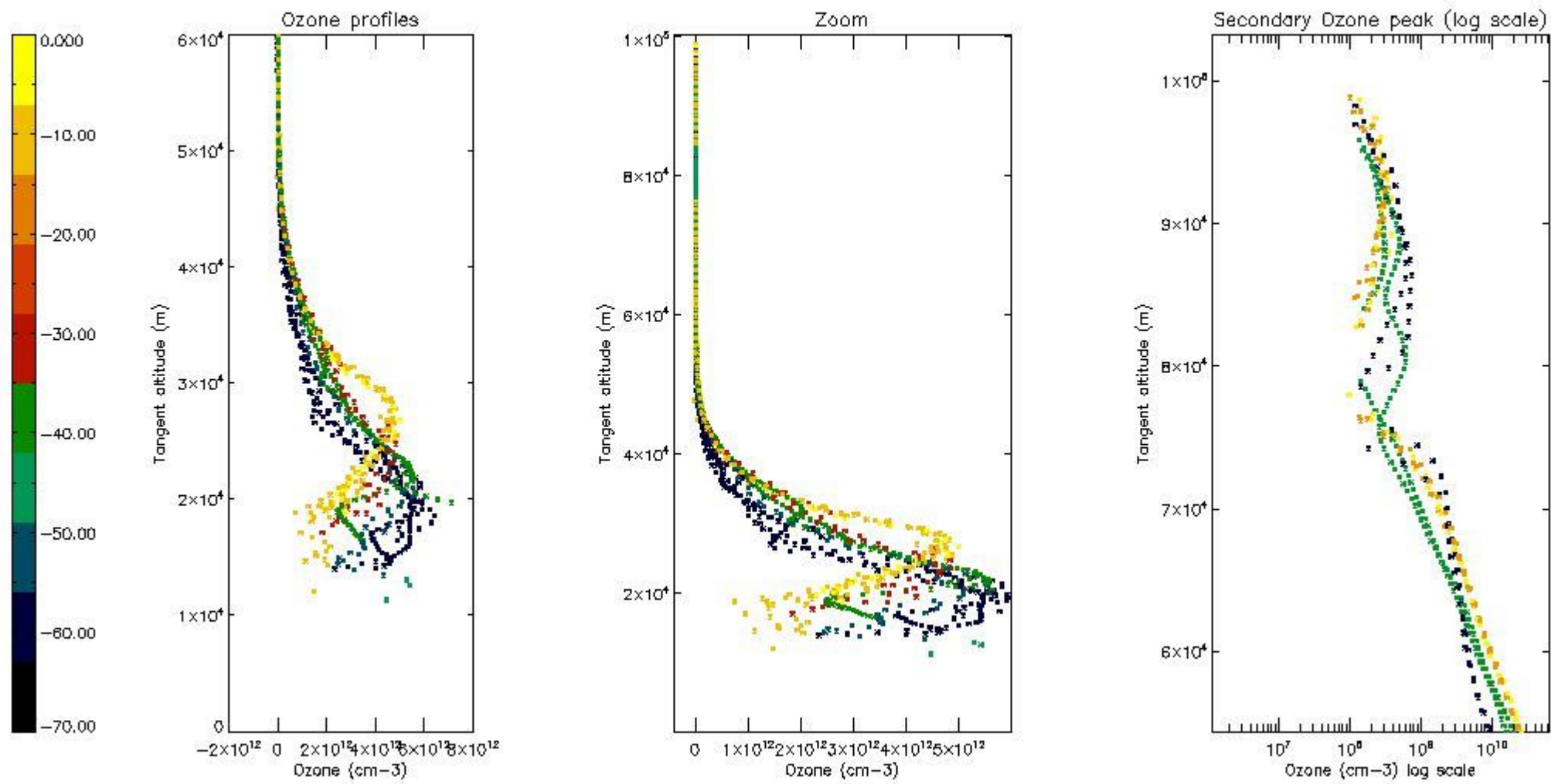
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



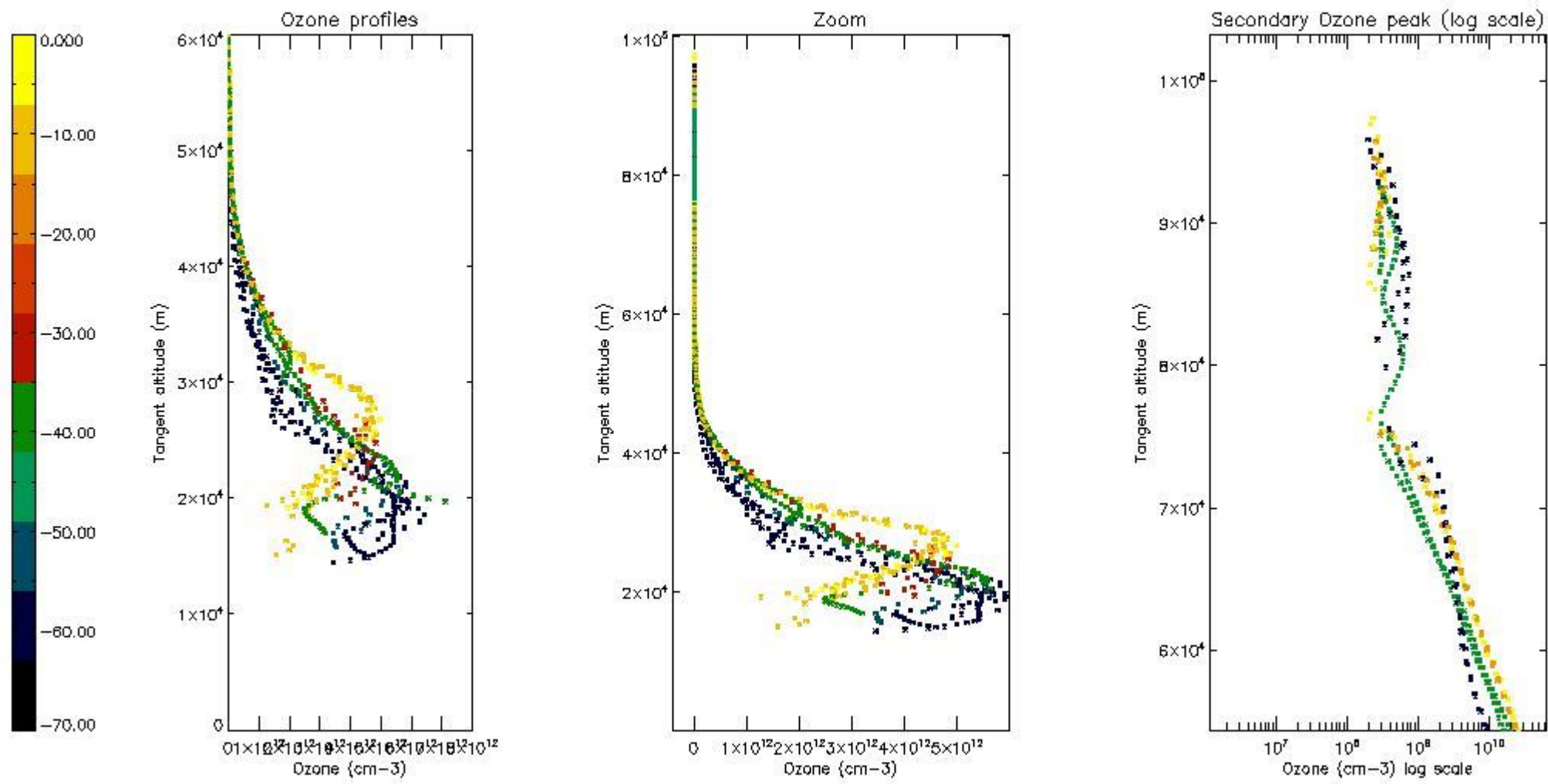
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



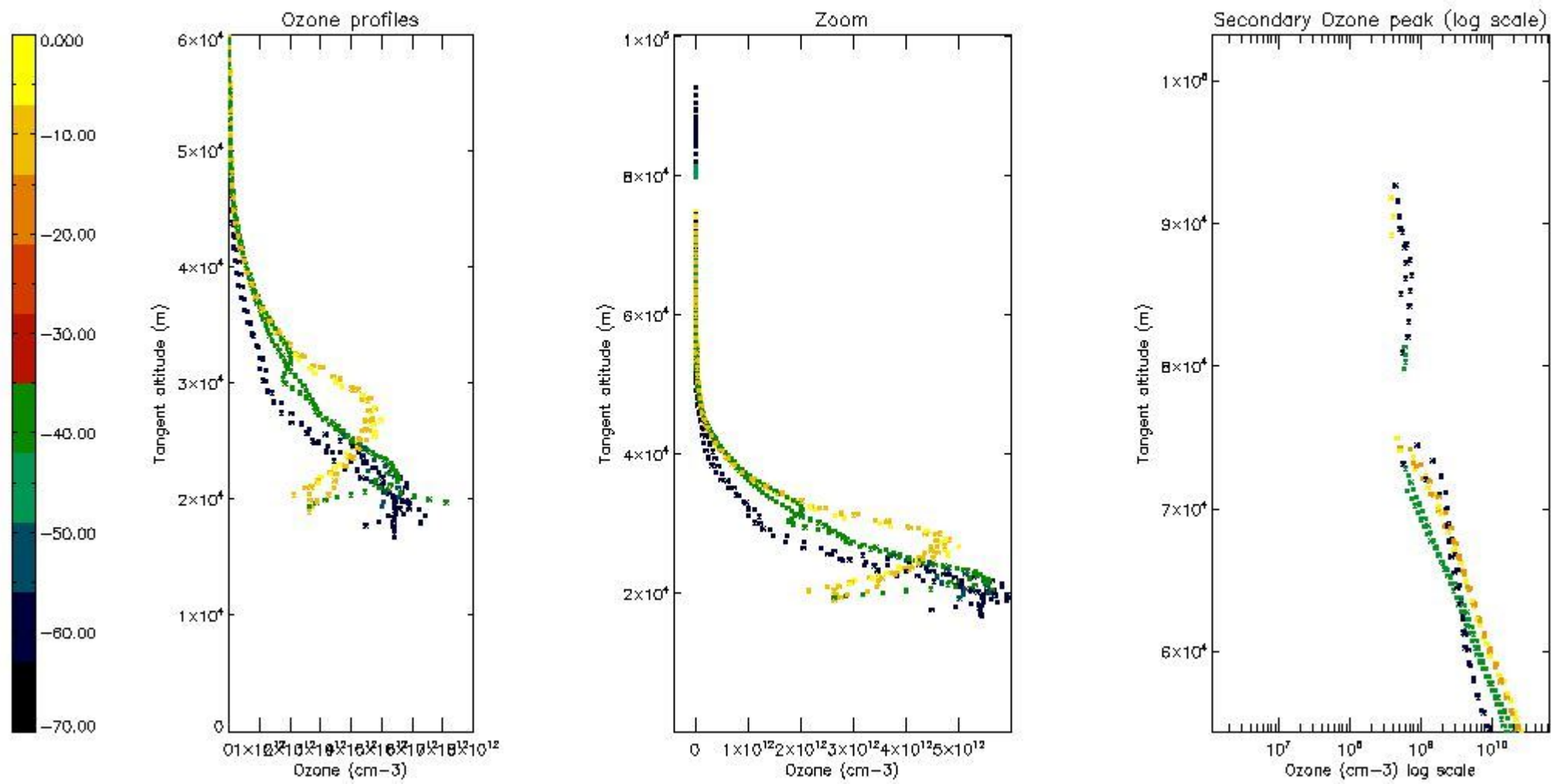
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



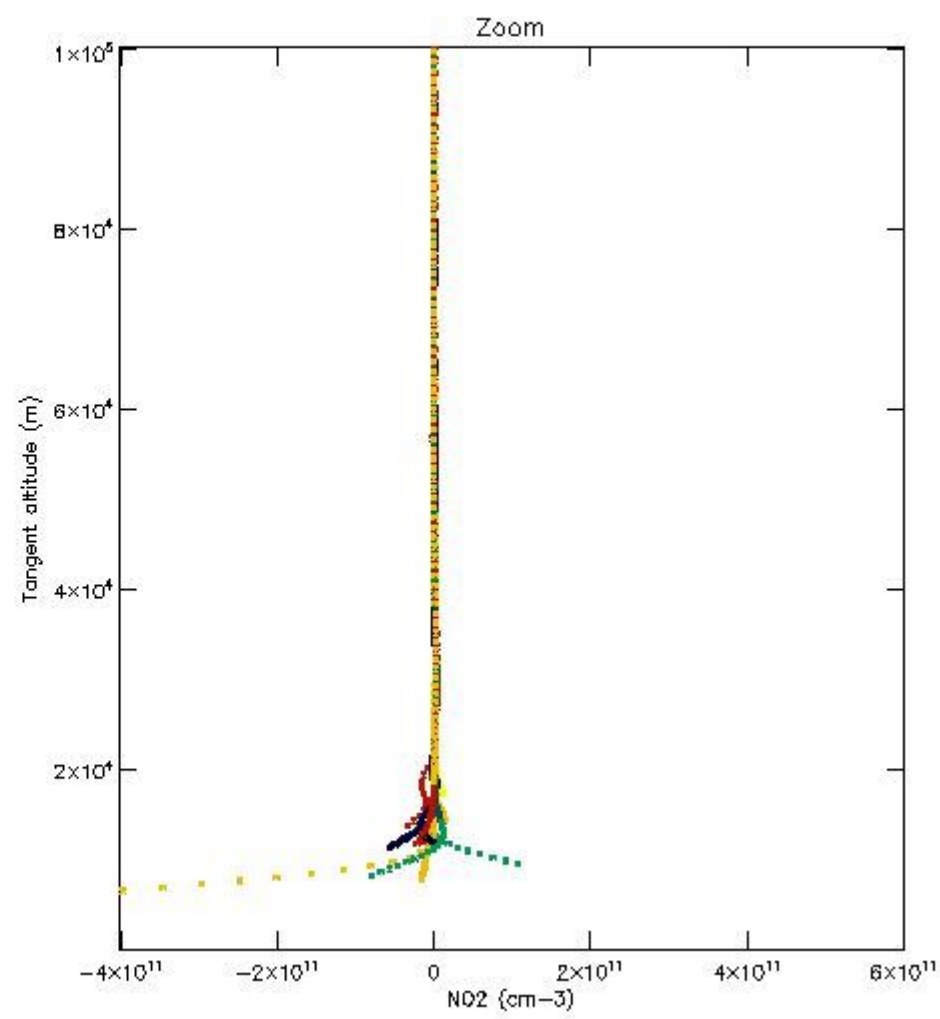
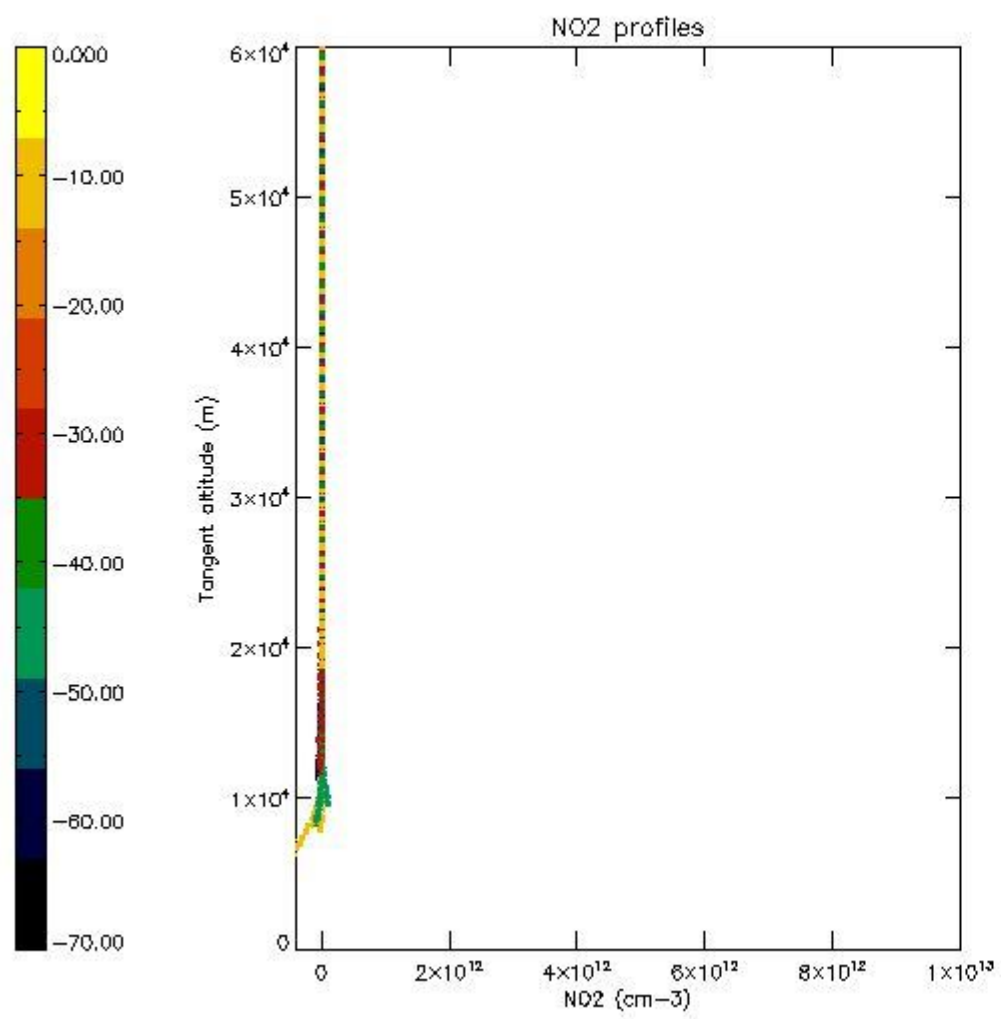
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



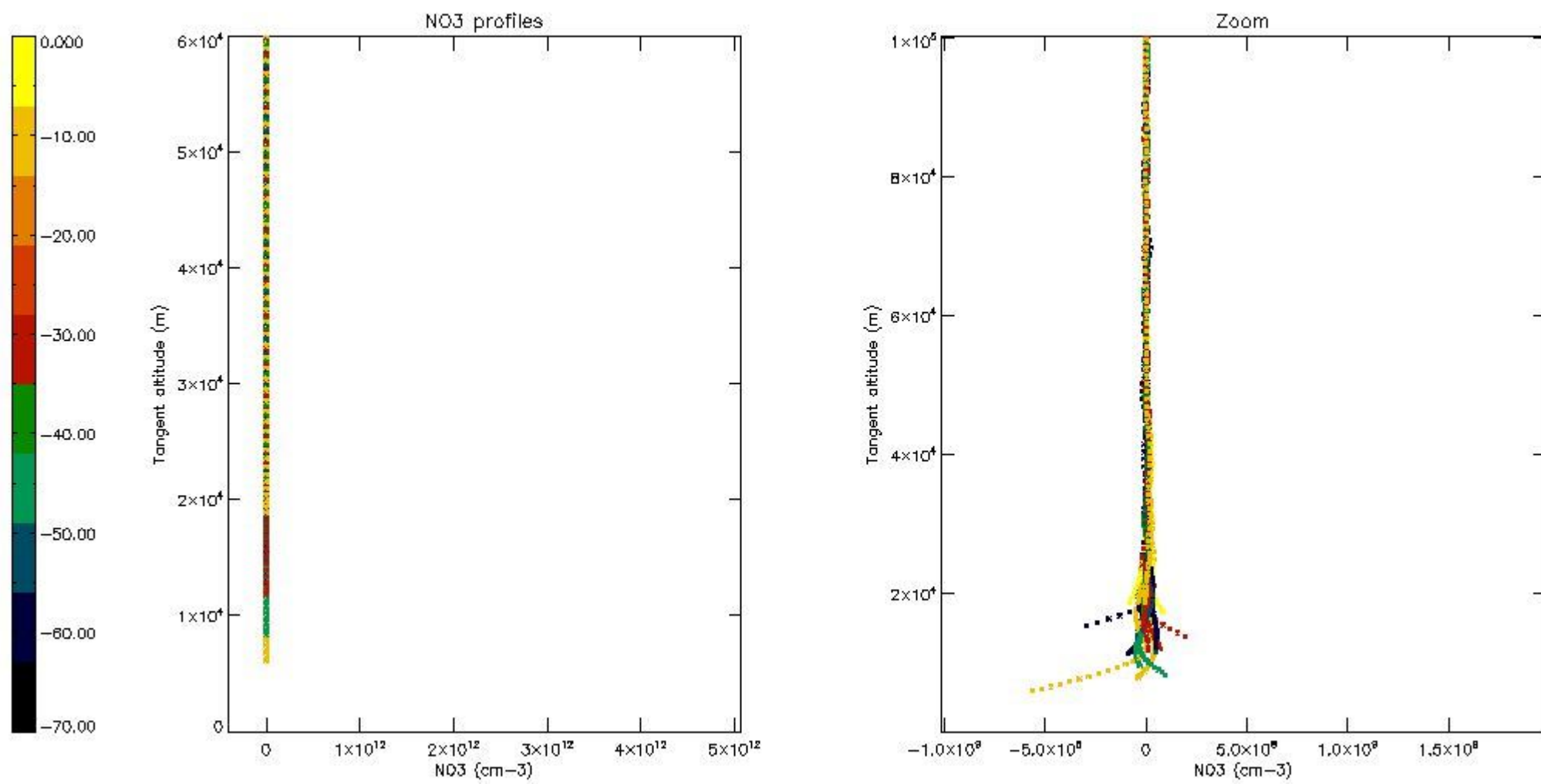
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



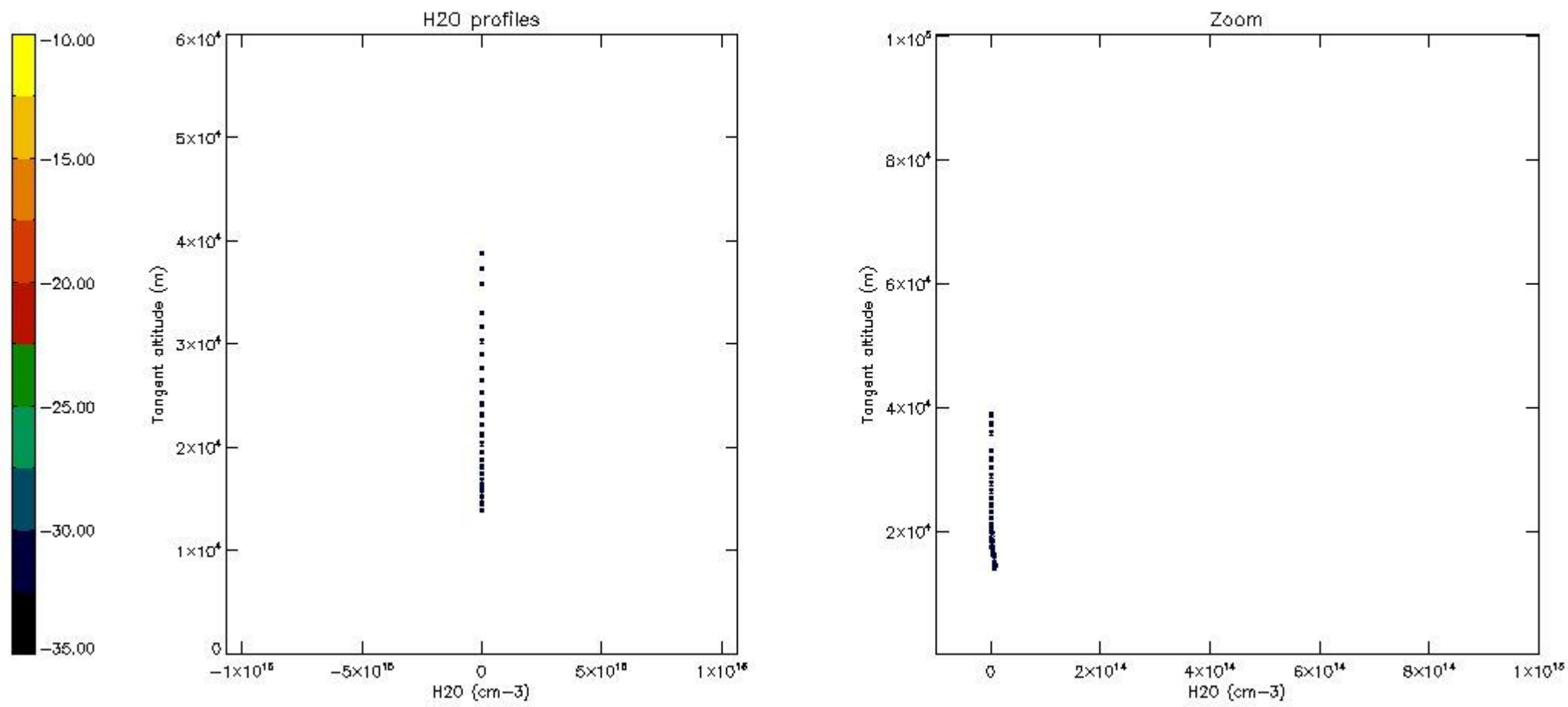
5.7 Plot NO3 profiles for all STD (dark without errors)

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_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	07-JUN-2003 02:32:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-JUN-2003 02:32:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-JUN-2003 02:32:12

GOMOS Level 2 Daily Report

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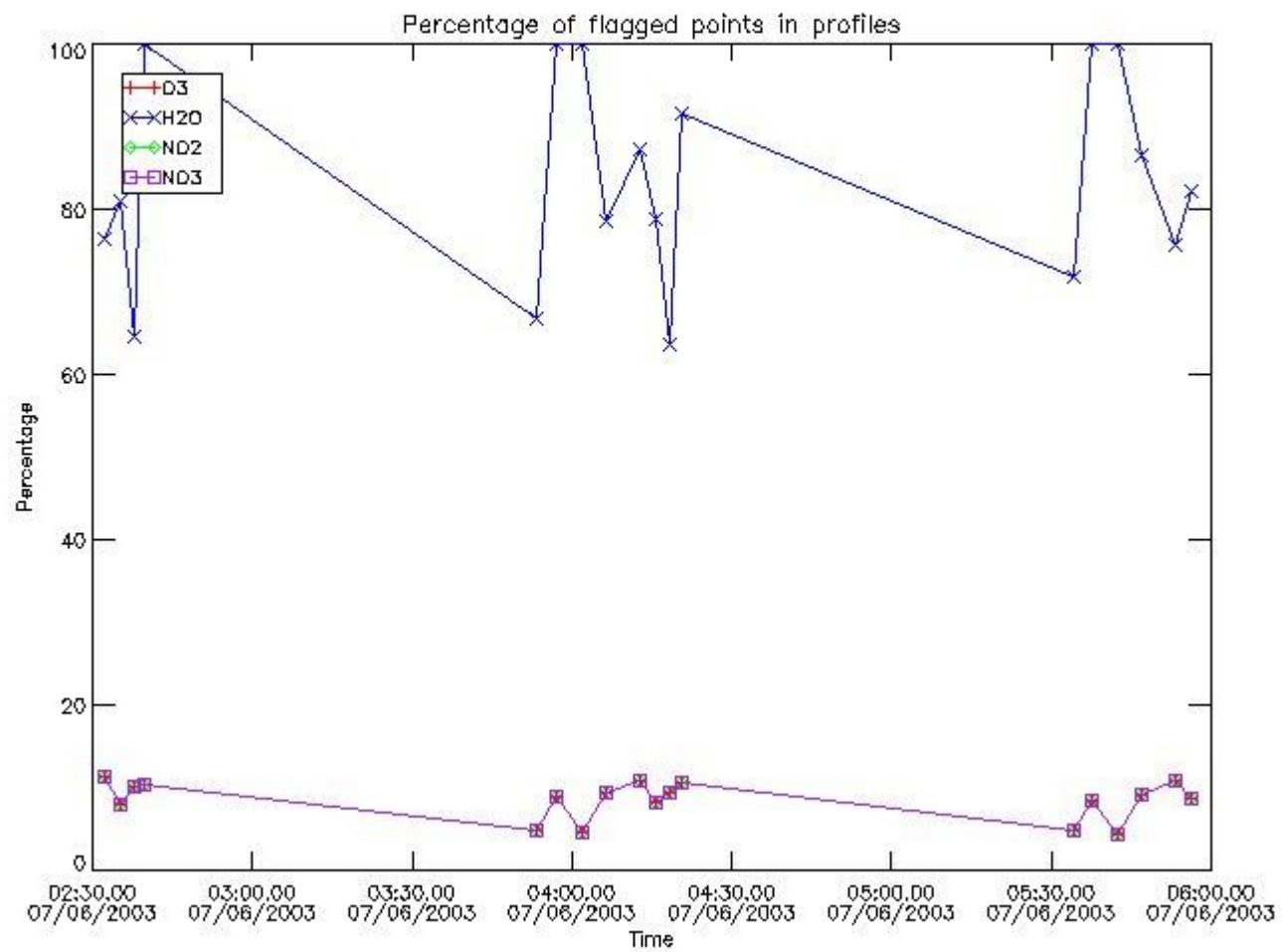
[6. Auxiliary Data Files used for the production reported in section 2](#)

43	GOM_NL__2PRFIN20030607_044937_000000362017_00062_06629_7173.N1	07-JUN-2003 04:49:37	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	6629	No
44	GOM_NL__2PRFIN20030607_045420_000000402017_00062_06629_7174.N1	07-JUN-2003 04:54:20	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	6629	No
45	GOM_NL__2PRFIN20030607_045735_000000412017_00062_06629_7175.N1	07-JUN-2003 04:57:35	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	6629	No
46	GOM_NL__2PRFIN20030607_050450_000000442017_00062_06629_7176.N1	07-JUN-2003 05:04:50	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	6629	No
47	GOM_NL__2PRFIN20030607_050847_000000382017_00062_06629_7177.N1	07-JUN-2003 05:08:47	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6629	No
48	GOM_NL__2PRFIN20030607_051329_000000332017_00062_06629_7178.N1	07-JUN-2003 05:13:29	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	6629	No
49	GOM_NL__2PRFIN20030607_051540_000000462017_00062_06629_7179.N1	07-JUN-2003 05:15:40	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	6629	No
50	GOM_NL__2PRFIN20030607_052122_000000402017_00062_06629_7180.N1	07-JUN-2003 05:21:22	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	6629	No
51	GOM_NL__2PRFIN20030607_052607_000001902017_00062_06629_7181.N1	07-JUN-2003 05:26:07	Straylight	190.00	92	53Eps Cyg	2.5000	4500.0	380	6629	No
52	GOM_NL__2PRFIN20030607_053216_000000642017_00062_06629_7182.N1	07-JUN-2003 05:32:16	Straylight	64.000	58	21Alp And	2.0730	11000.	128	6629	No
53	GOM_NL__2PRFIN20030607_053408_000001072017_00062_06629_7183.N1	07-JUN-2003 05:34:08	Dark	106.50	93	53Bet Peg	2.5200	3100.0	213	6629	No
54	GOM_NL__2PRFIN20030607_053742_000000602017_00062_06629_7184.N1	07-JUN-2003 05:37:42	Dark	60.000	140	88Gam Peg	2.8340	26000.	120	6629	No
55	GOM_NL__2PRFIN20030607_054230_000001302017_00062_06629_7185.N1	07-JUN-2003 05:42:30	Dark	130.00	90	54Alp Peg	2.4870	11000.	260	6629	No
56	GOM_NL__2PRFIN20030607_054650_000000562017_00062_06629_7186.N1	07-JUN-2003 05:46:50	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	6629	No
57	GOM_NL__2PRFIN20030607_055325_000000482017_00062_06629_7187.N1	07-JUN-2003 05:53:25	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	6629	No
58	GOM_NL__2PRFIN20030607_055626_000000592017_00062_06629_7188.N1	07-JUN-2003 05:56:26	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	6629	No

3. Quality information per product

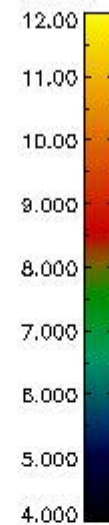
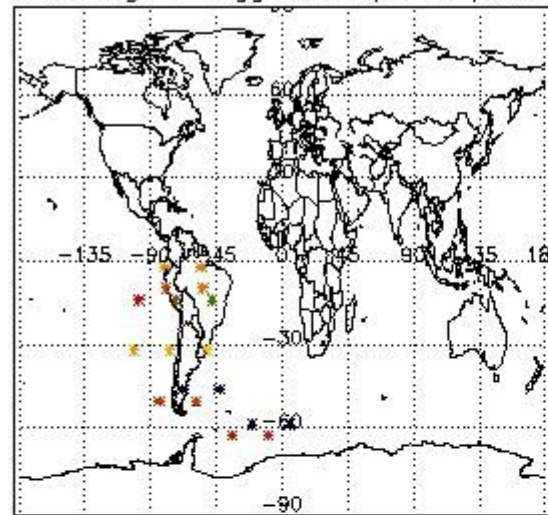
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

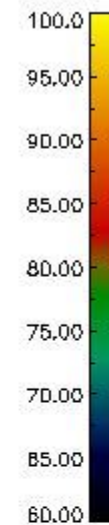
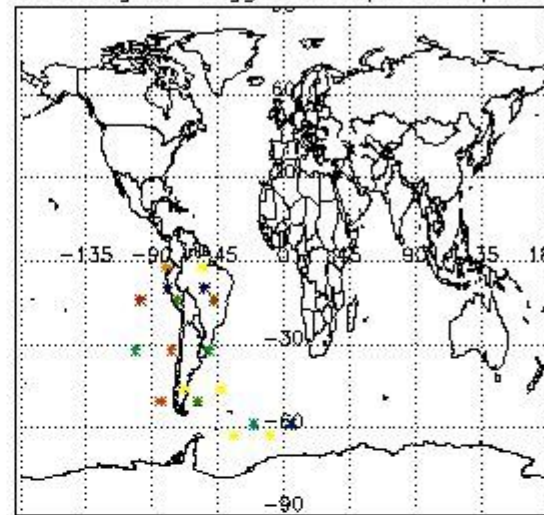


3.2 Plot quality information per product (world map)

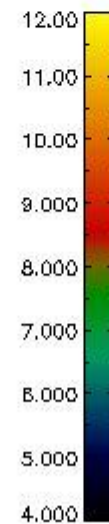
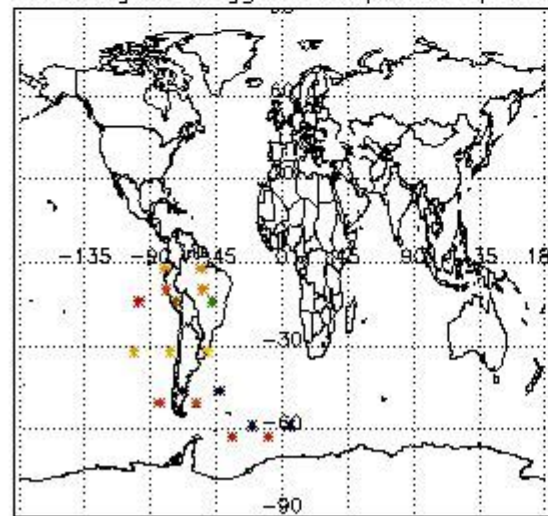
Percentage of flagged data per O3 profile



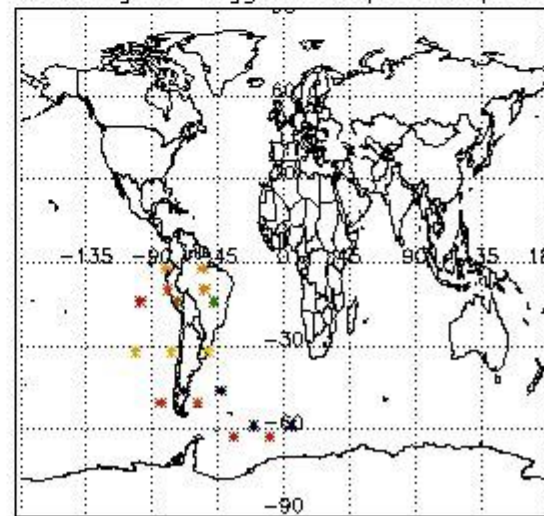
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

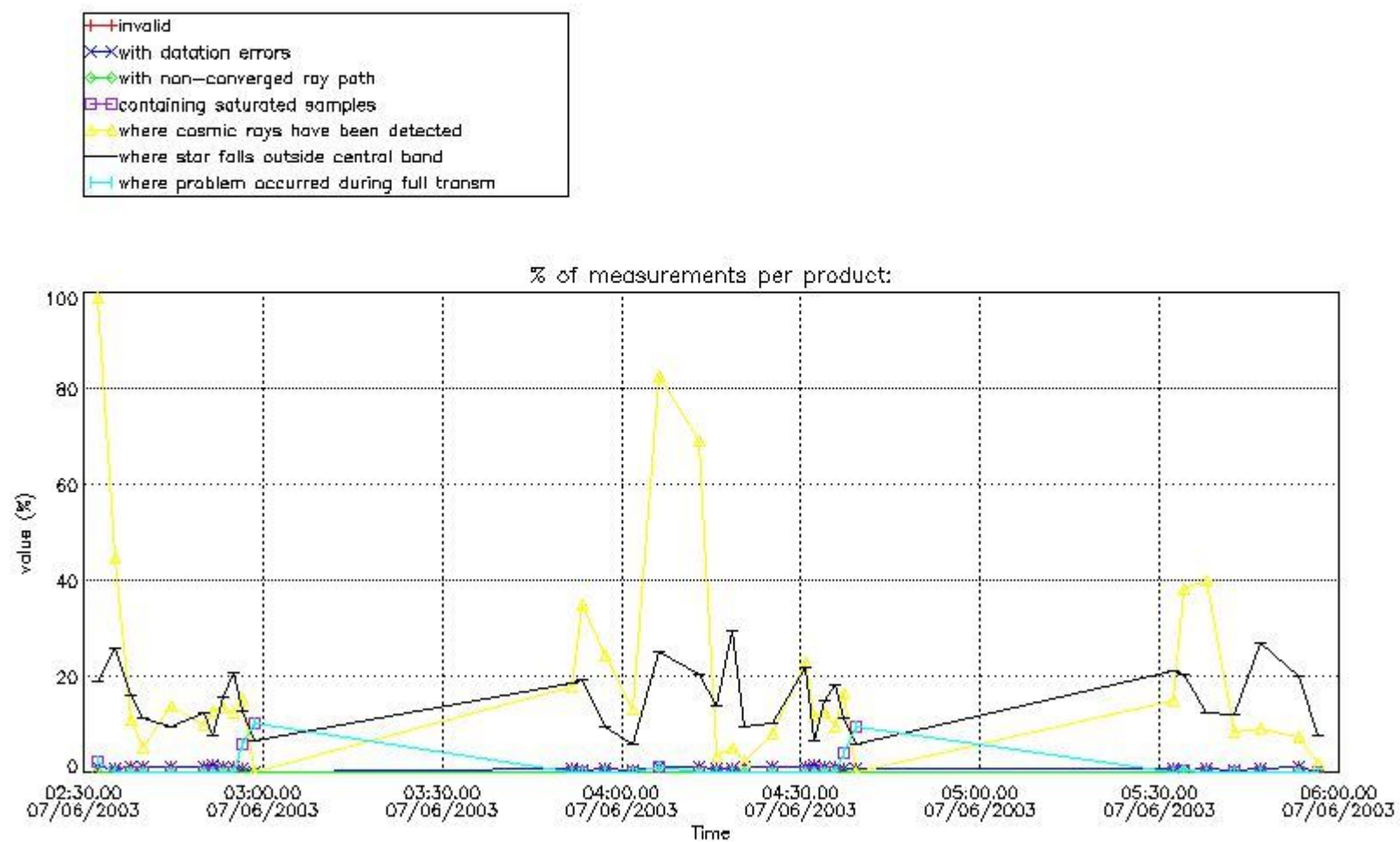


4. Level 1 quality information per product

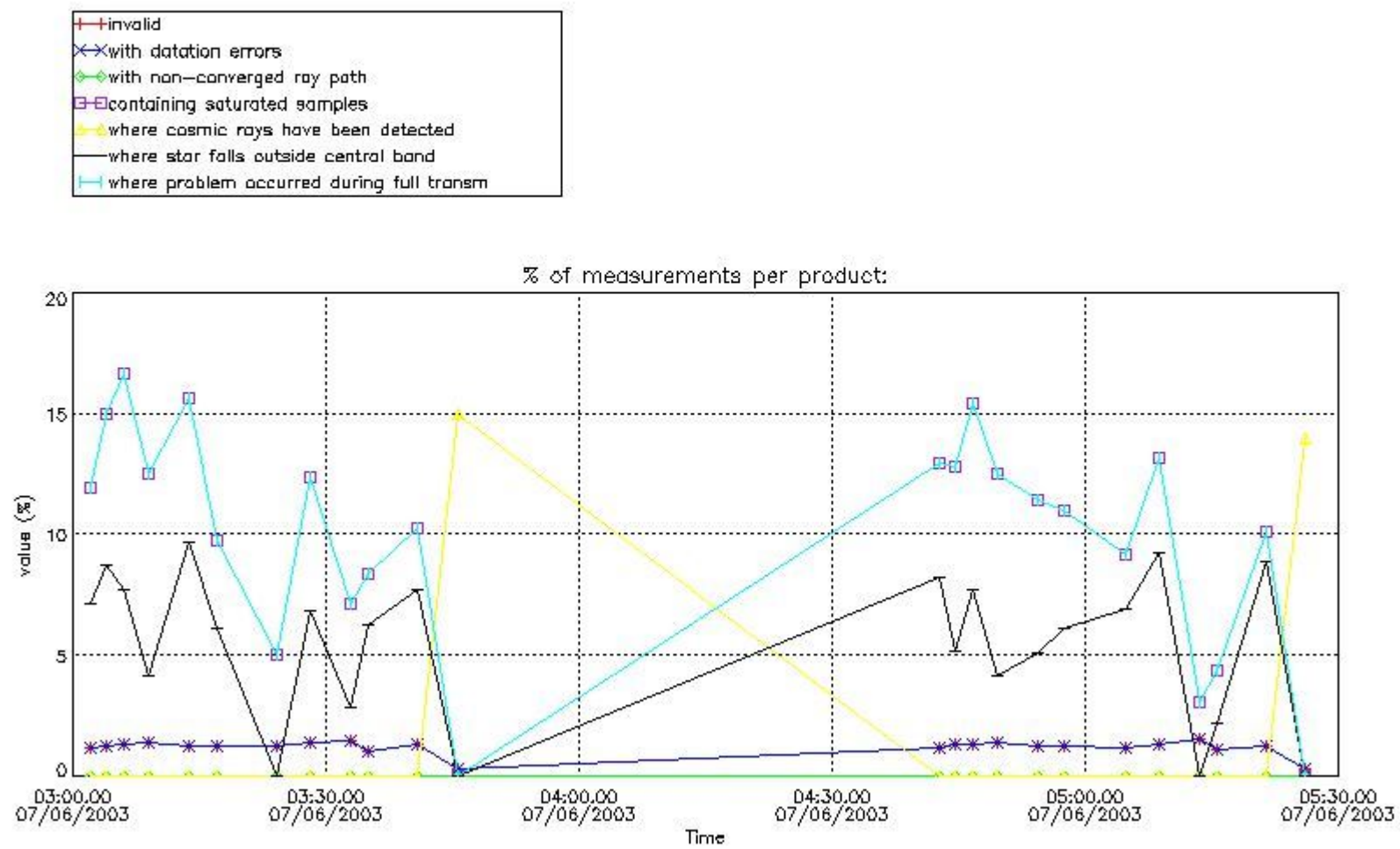
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



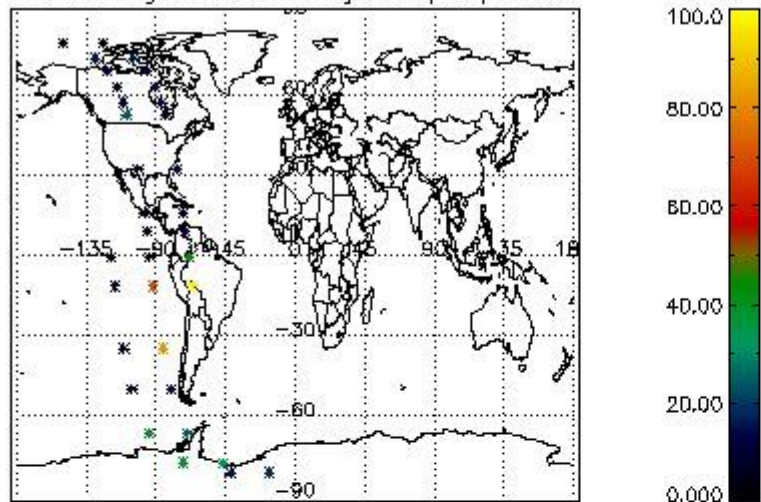
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



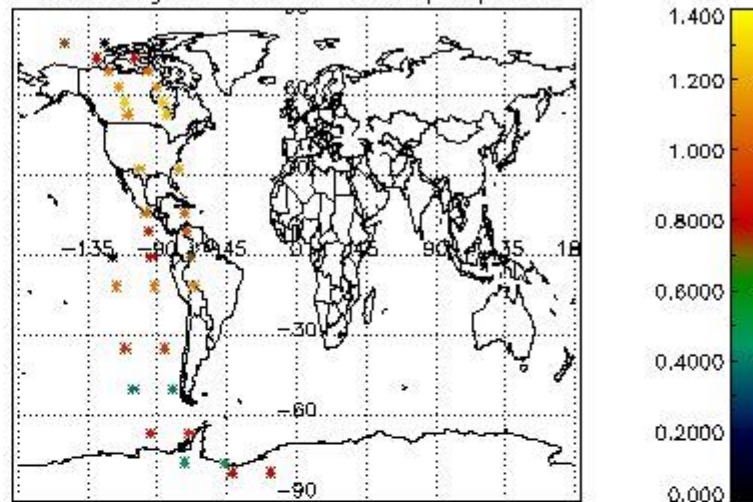
4.2 Plot quality information per product coming from level 1b processing (world map)

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

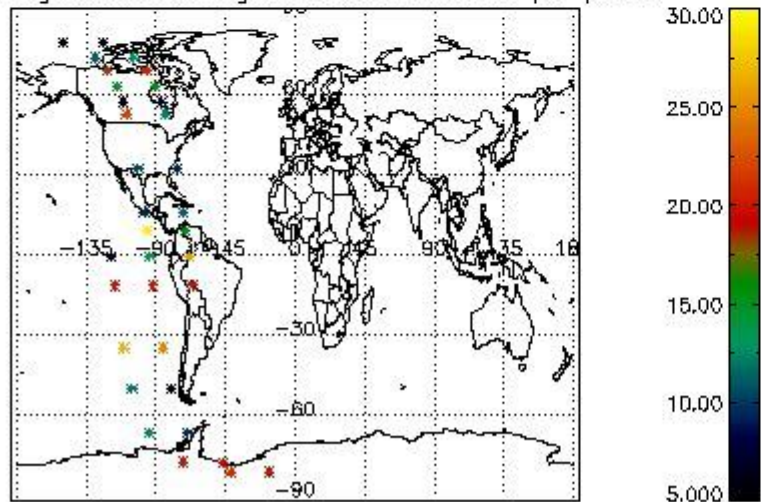
Percentage of cosmic ray hits per profile



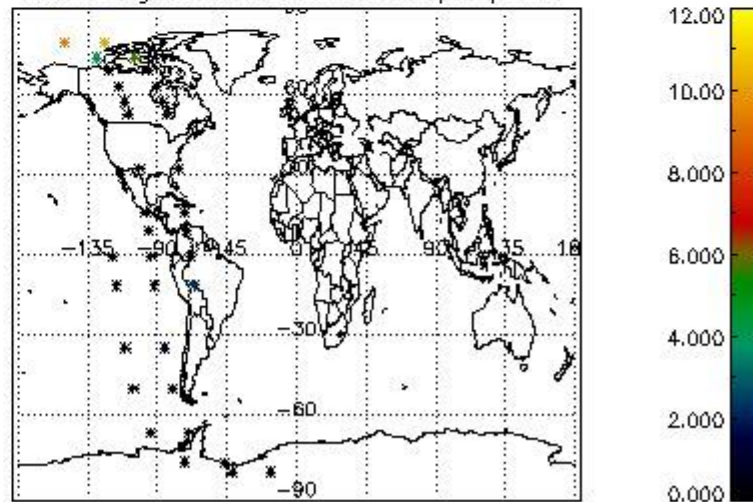
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

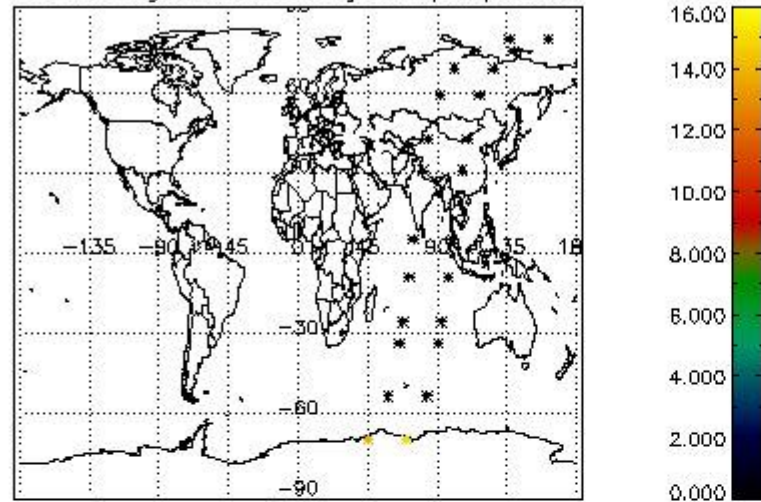


Percentage of saturation errors per profile

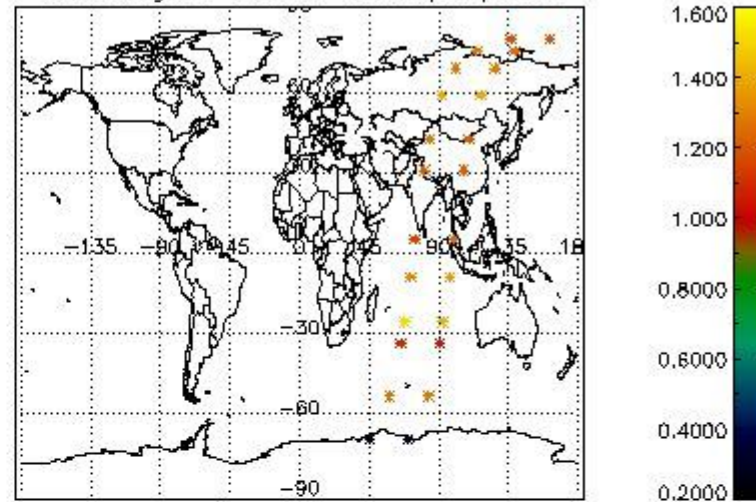


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

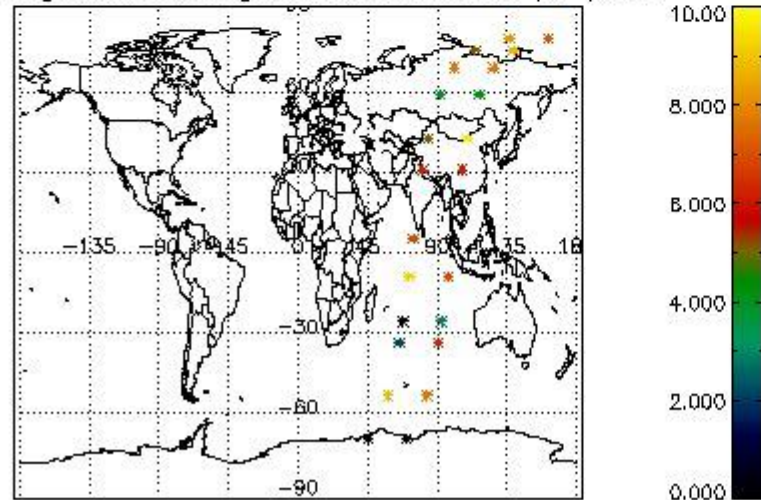
Percentage of cosmic ray hits per profile



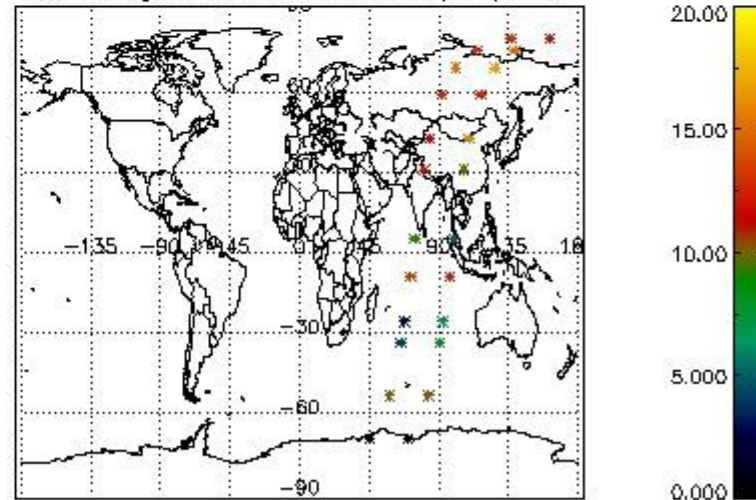
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

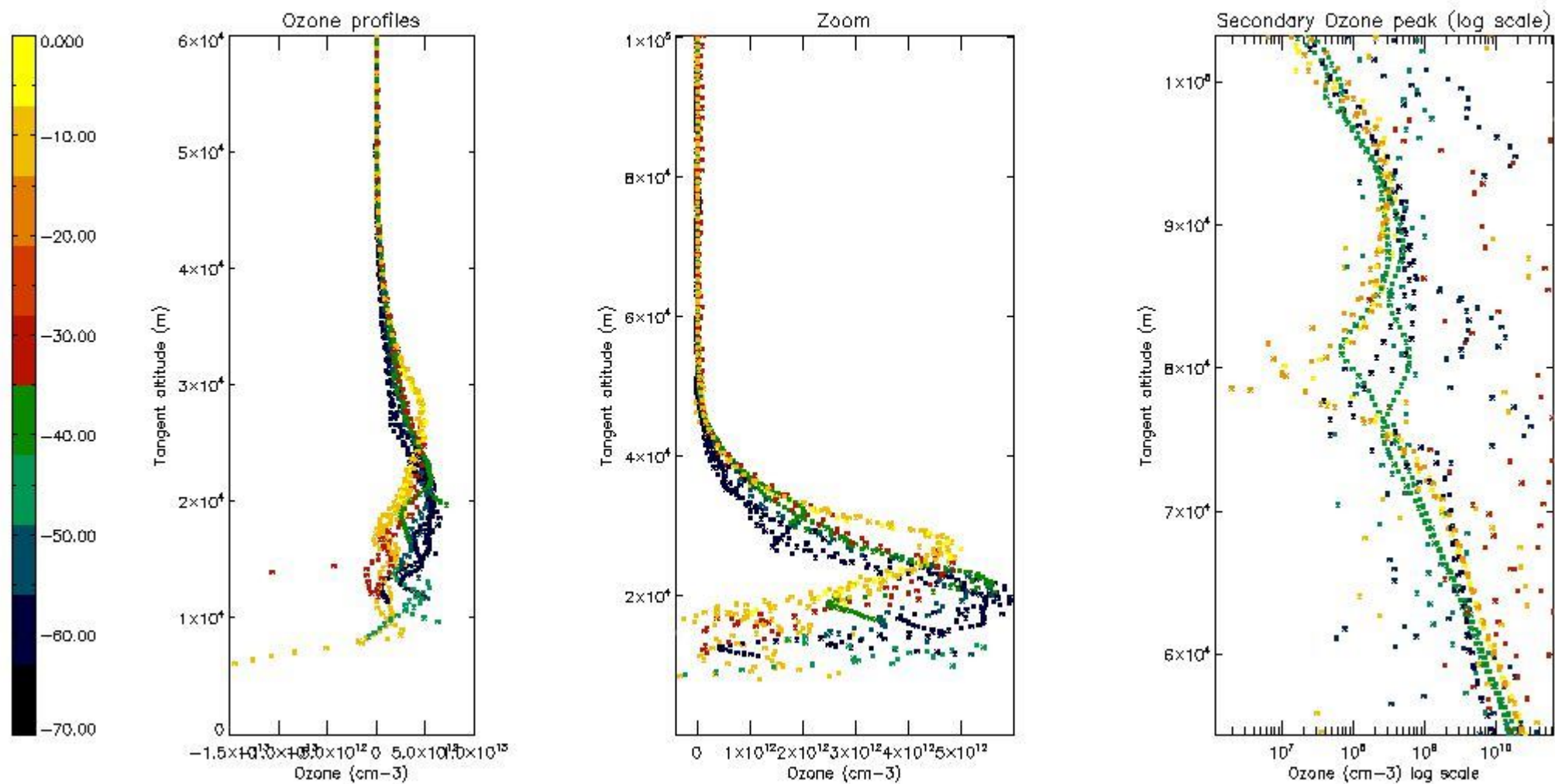
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	17
STD < 5	12

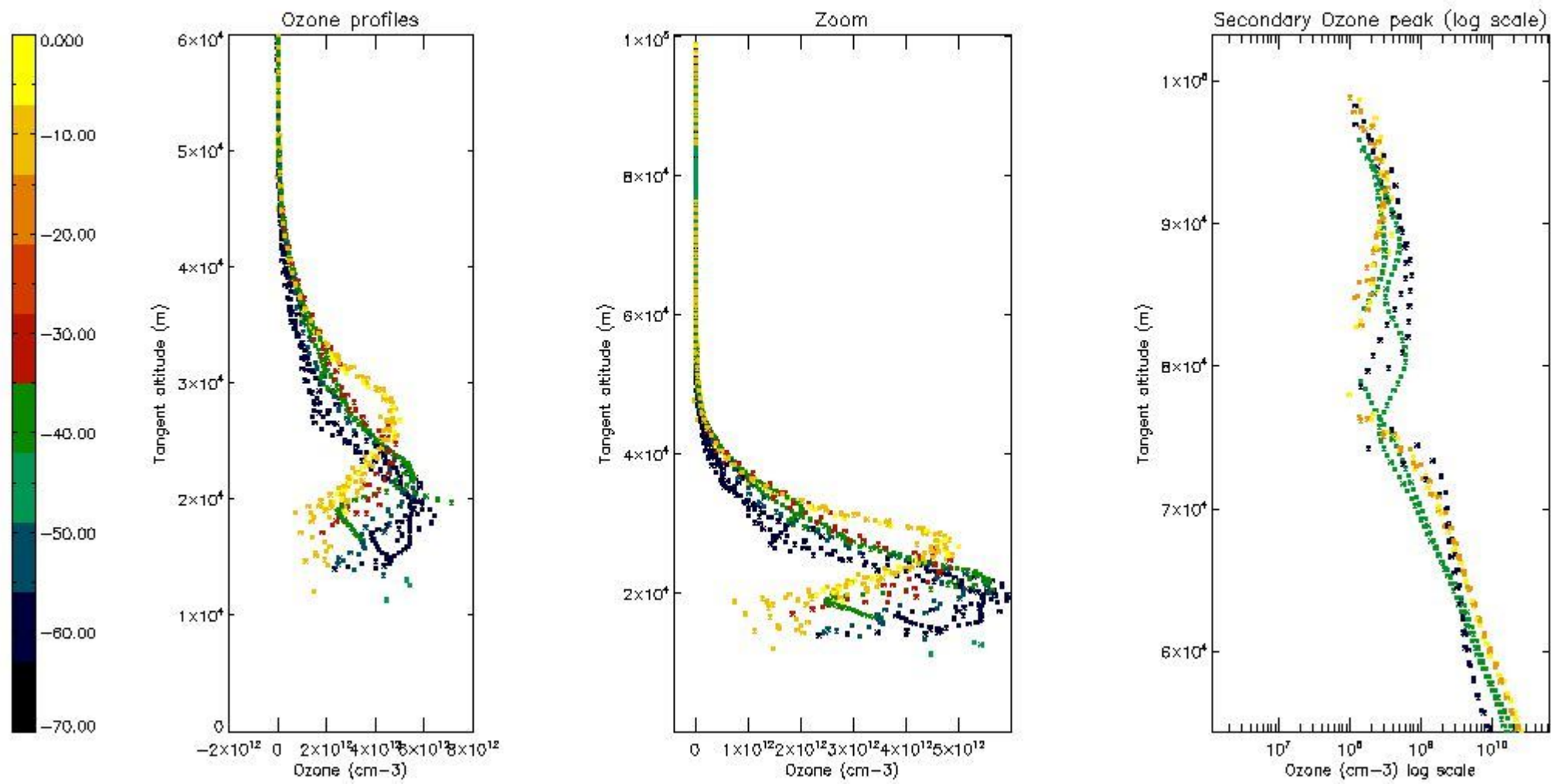
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



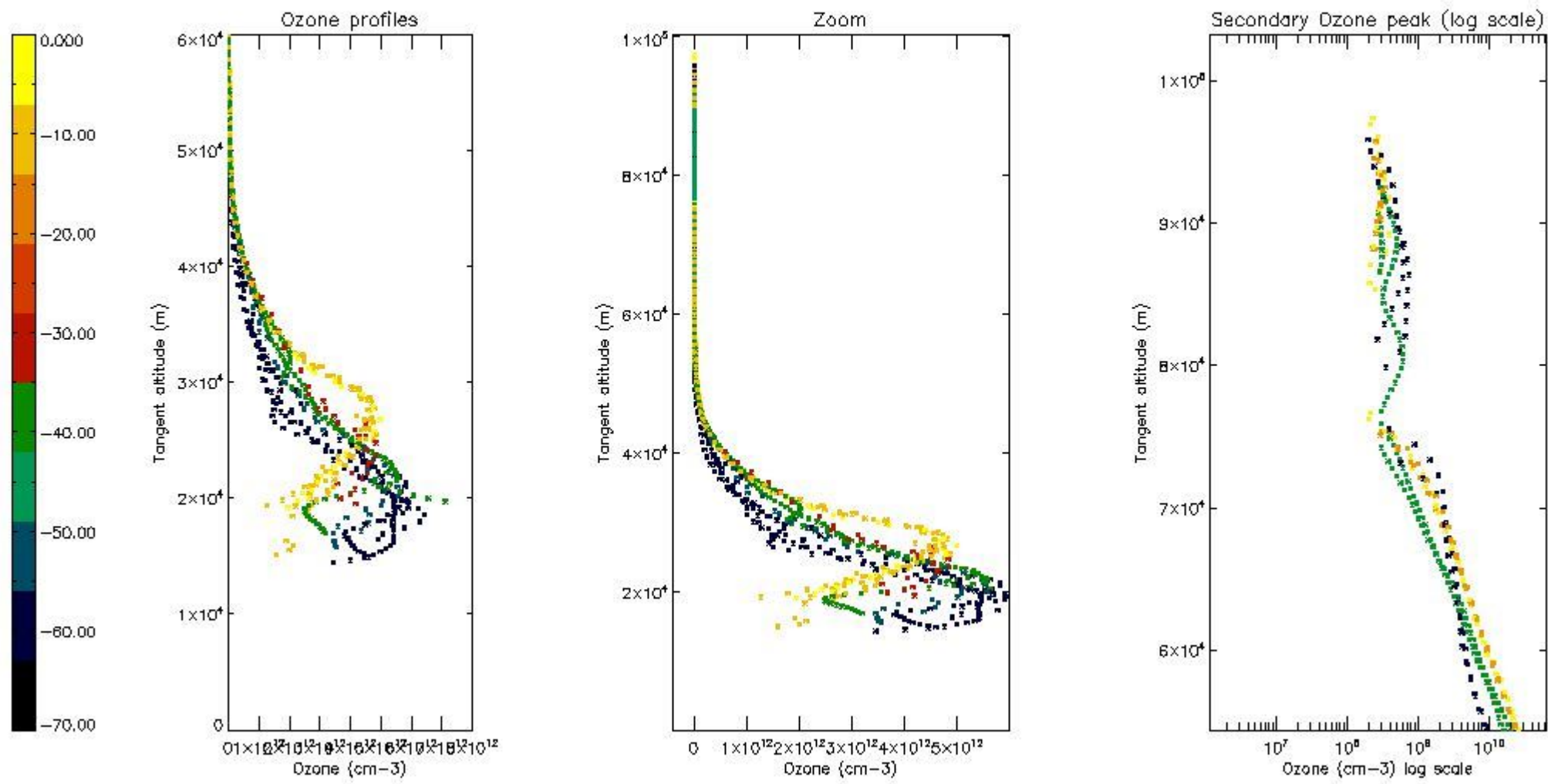
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



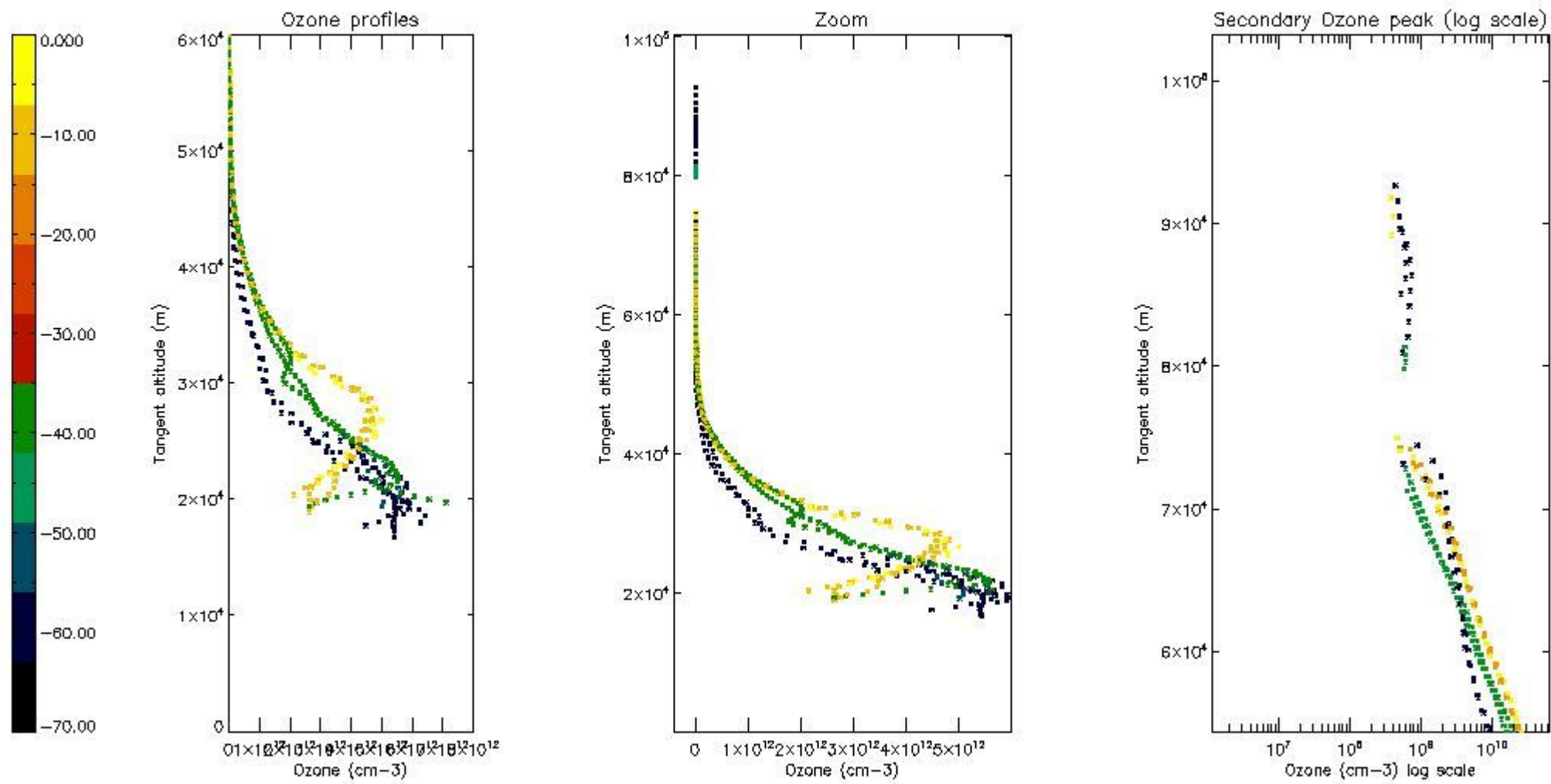
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



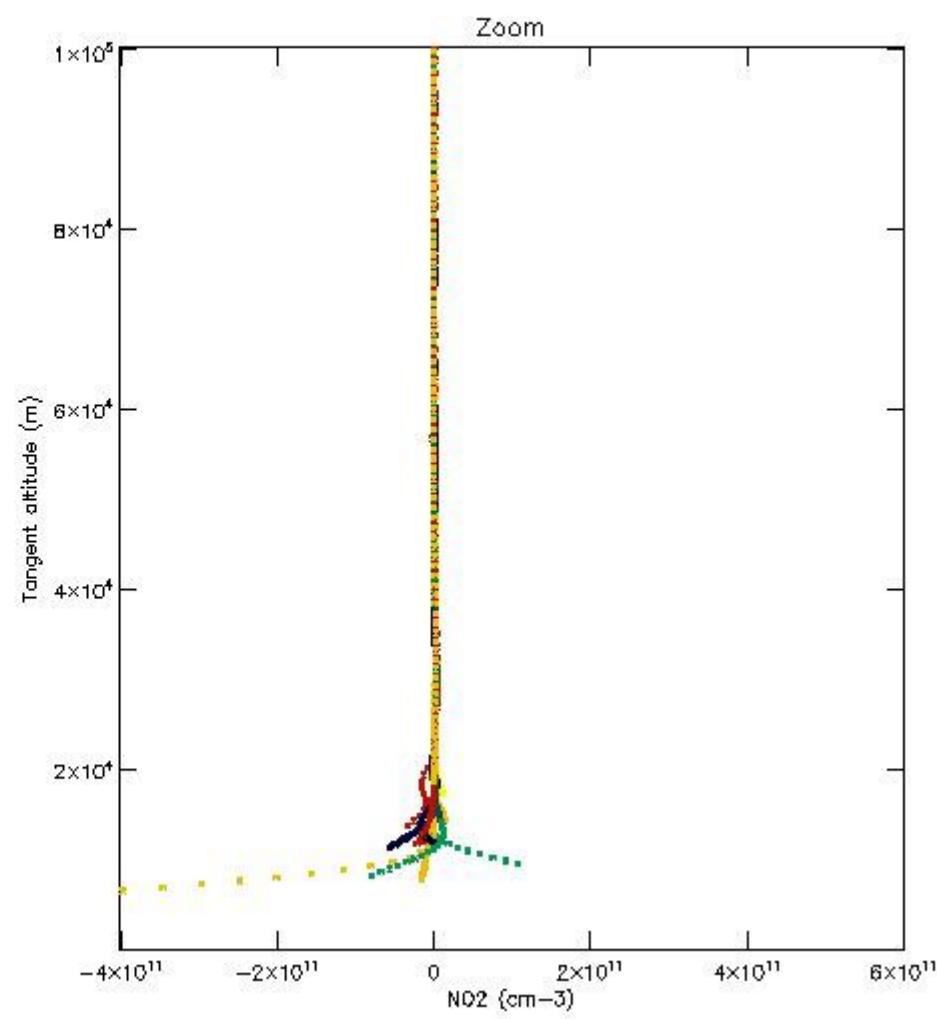
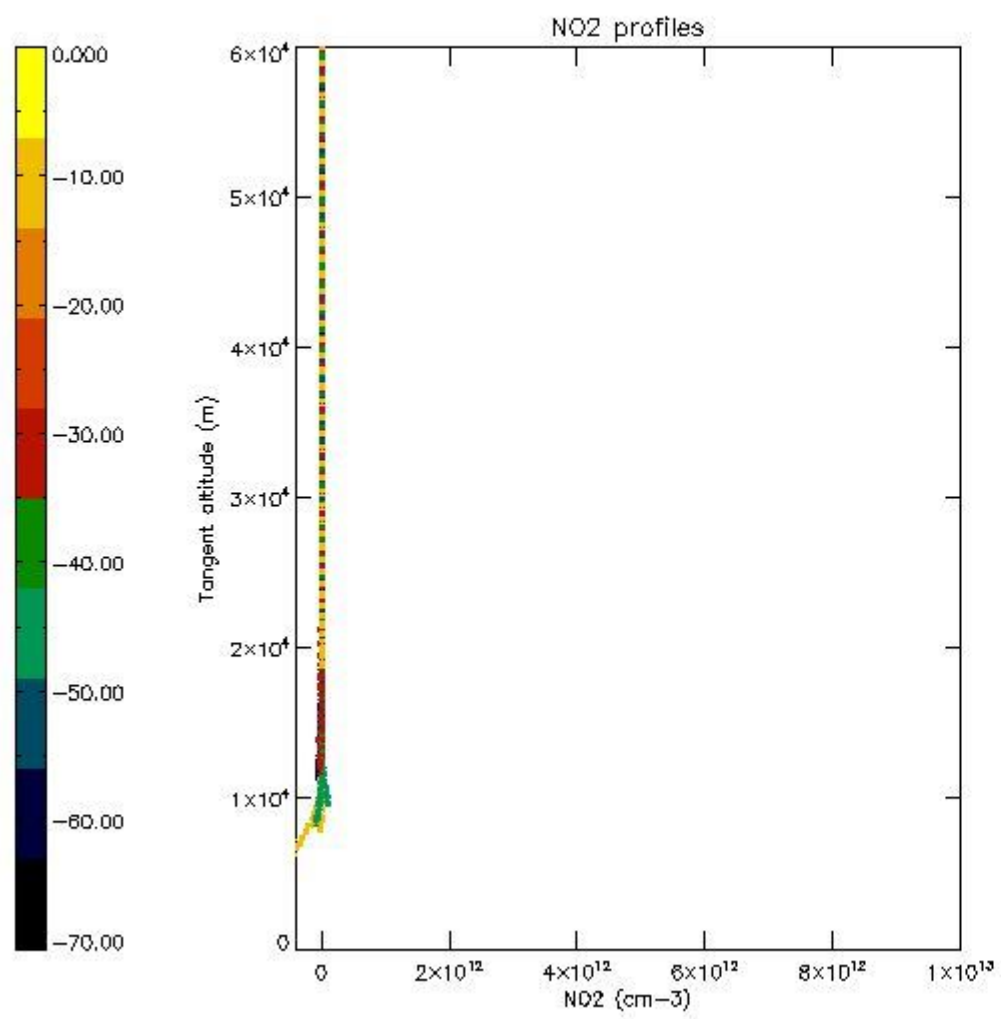
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



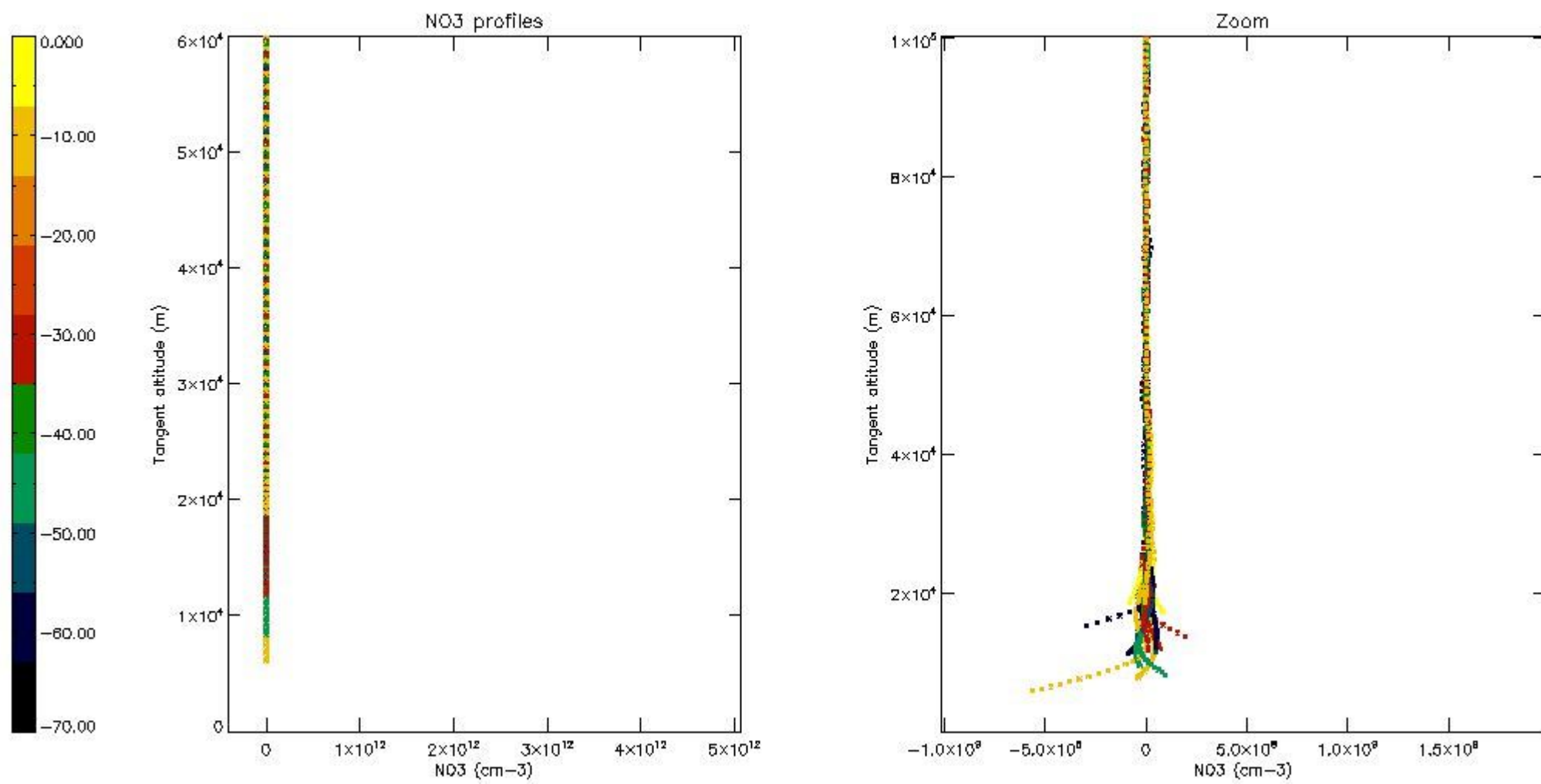
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



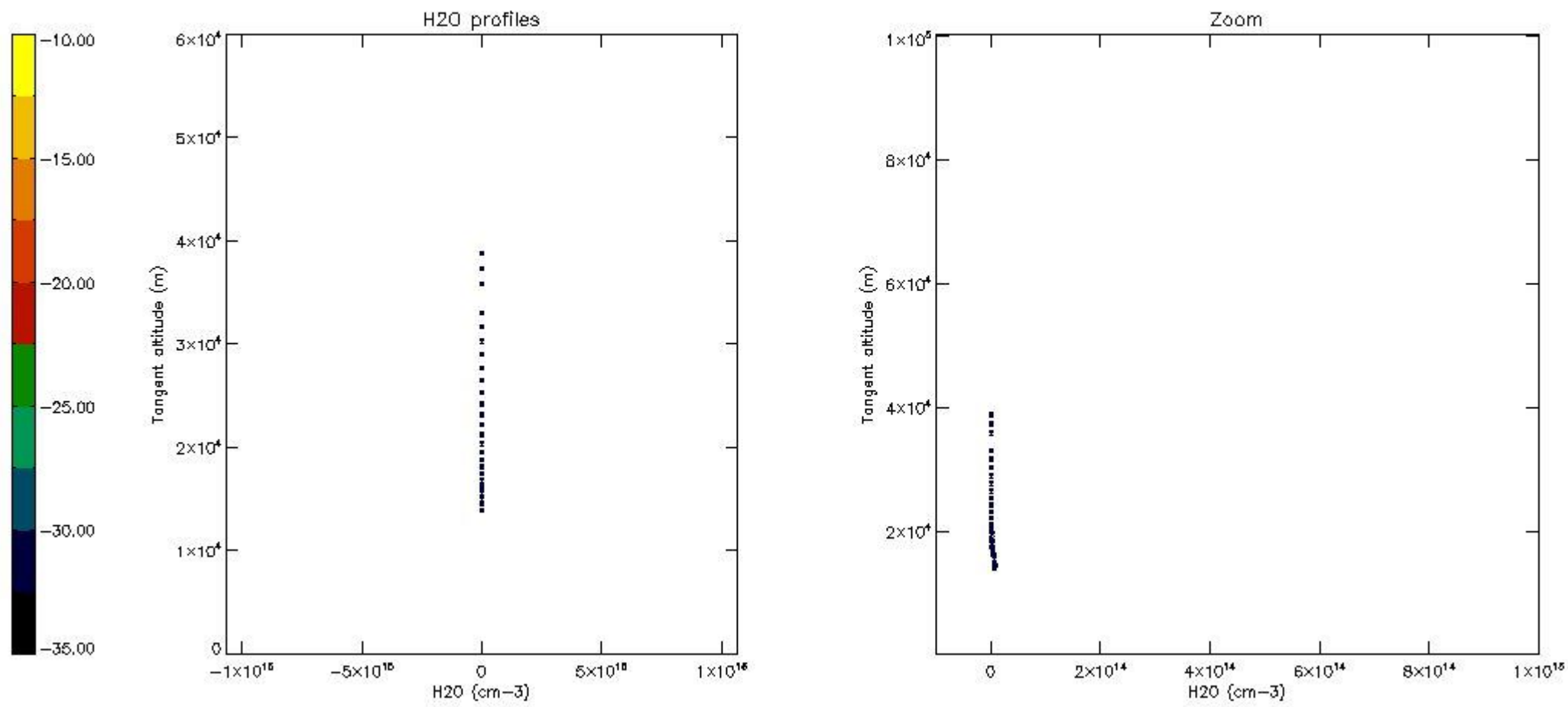
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

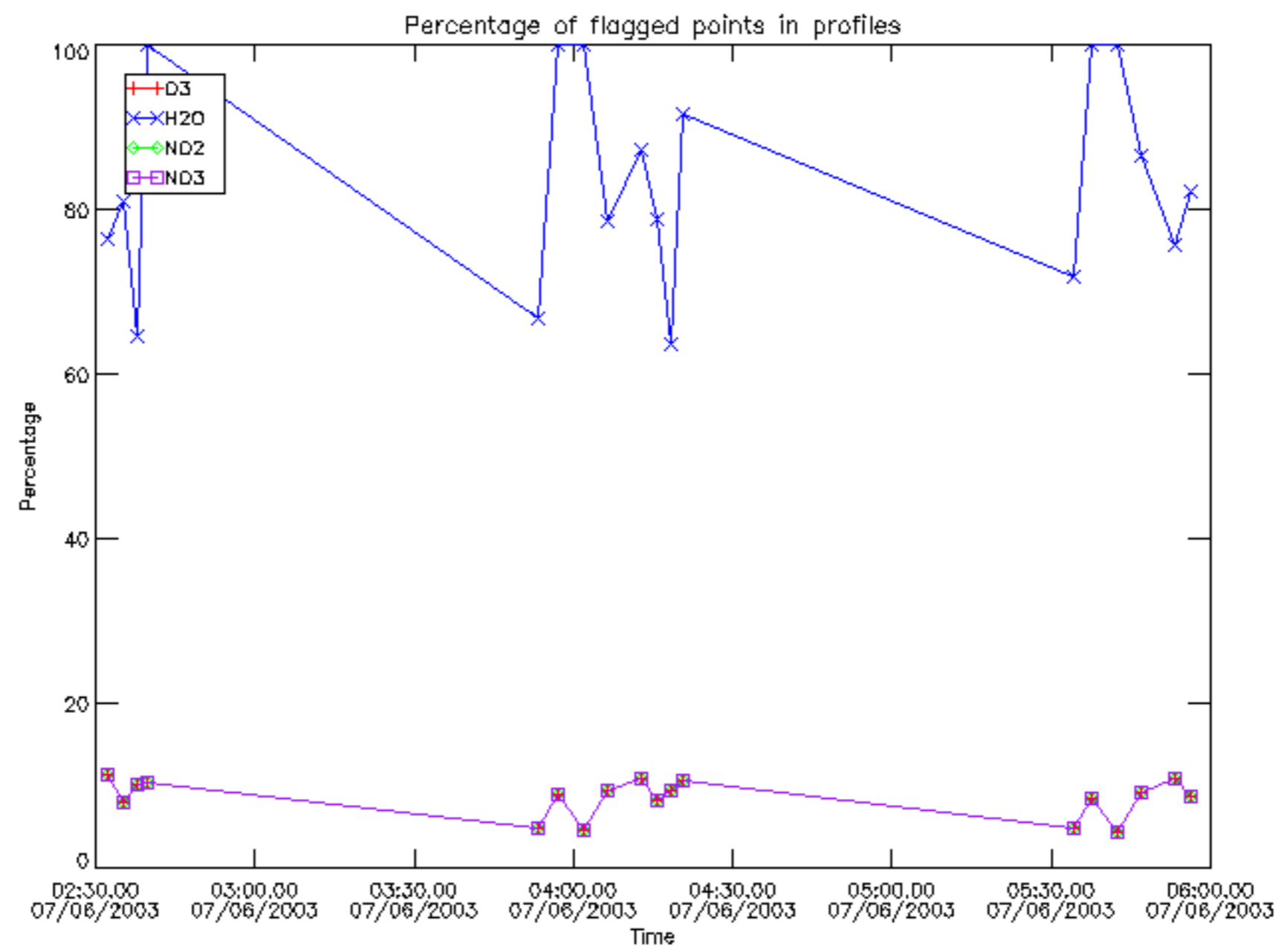
The colorbar represents the latitude.



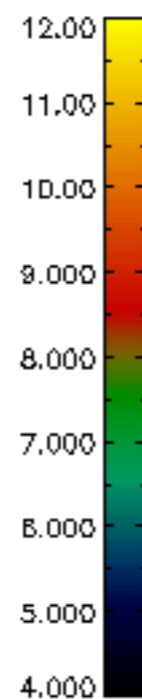
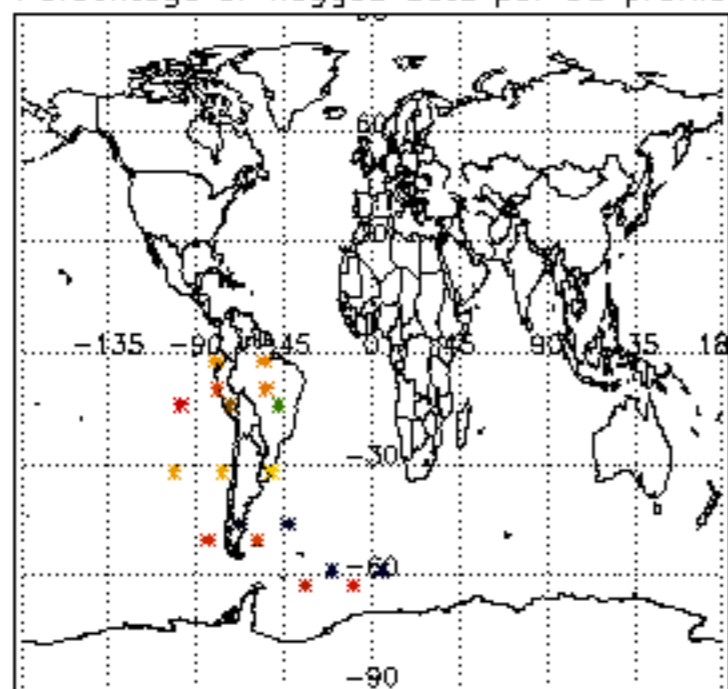
6. Auxiliary Data Files used for the production reported in section 2

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.

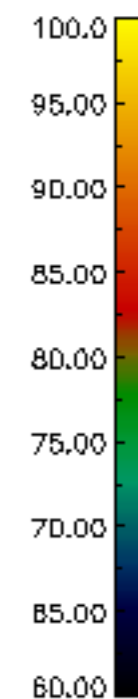
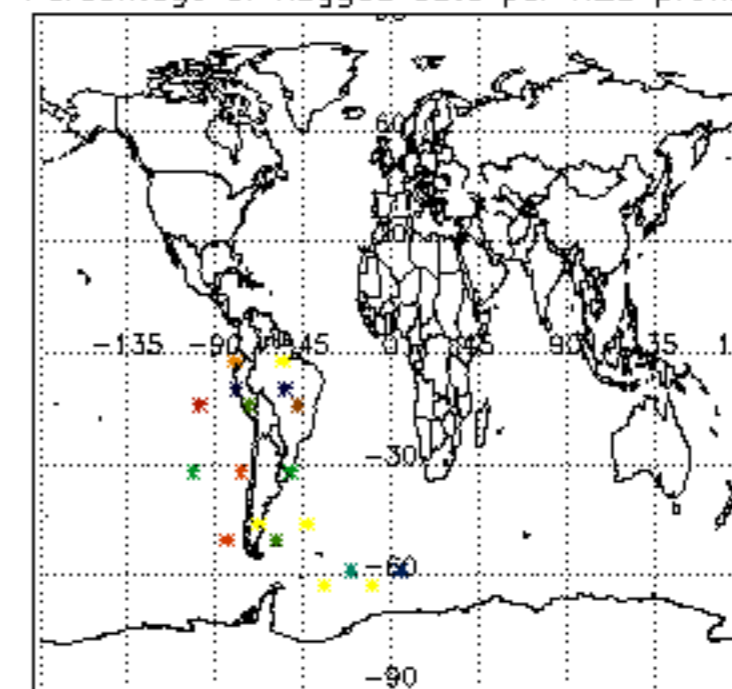
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	07-JUN-2003 02:32:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-JUN-2003 02:32:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-JUN-2003 02:32:12



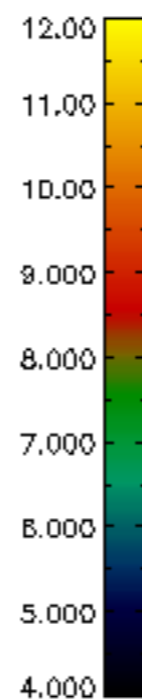
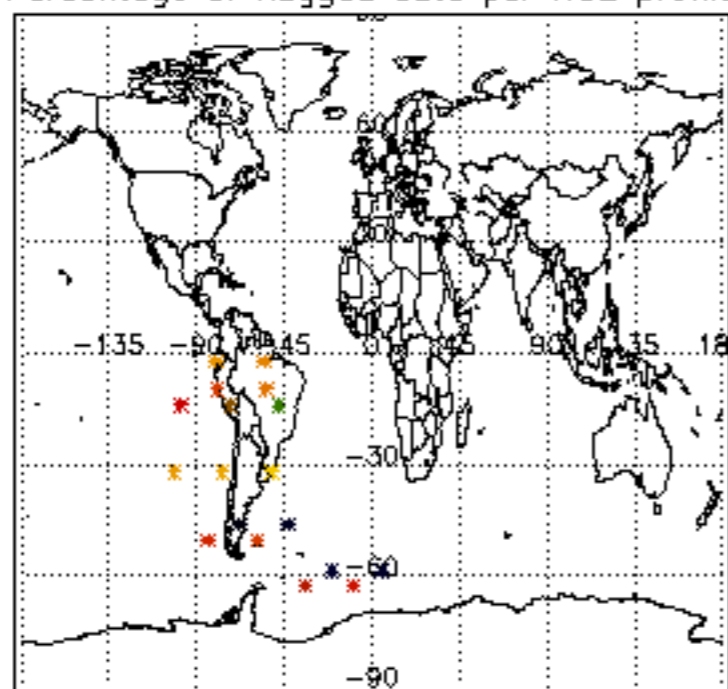
Percentage of flagged data per D3 profile



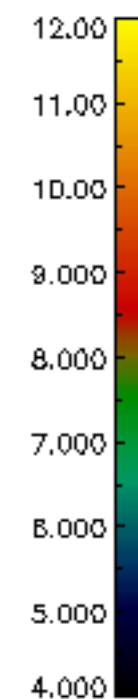
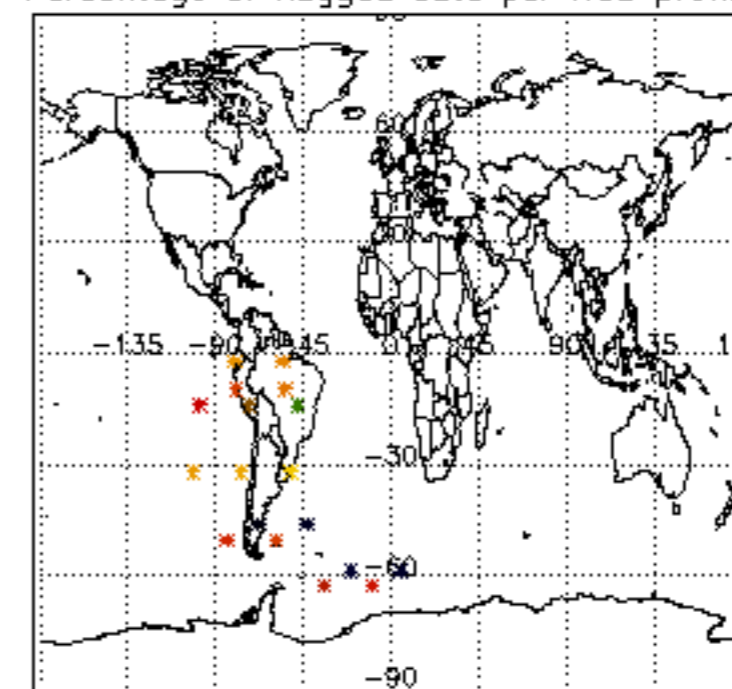
Percentage of flagged data per H2O profile

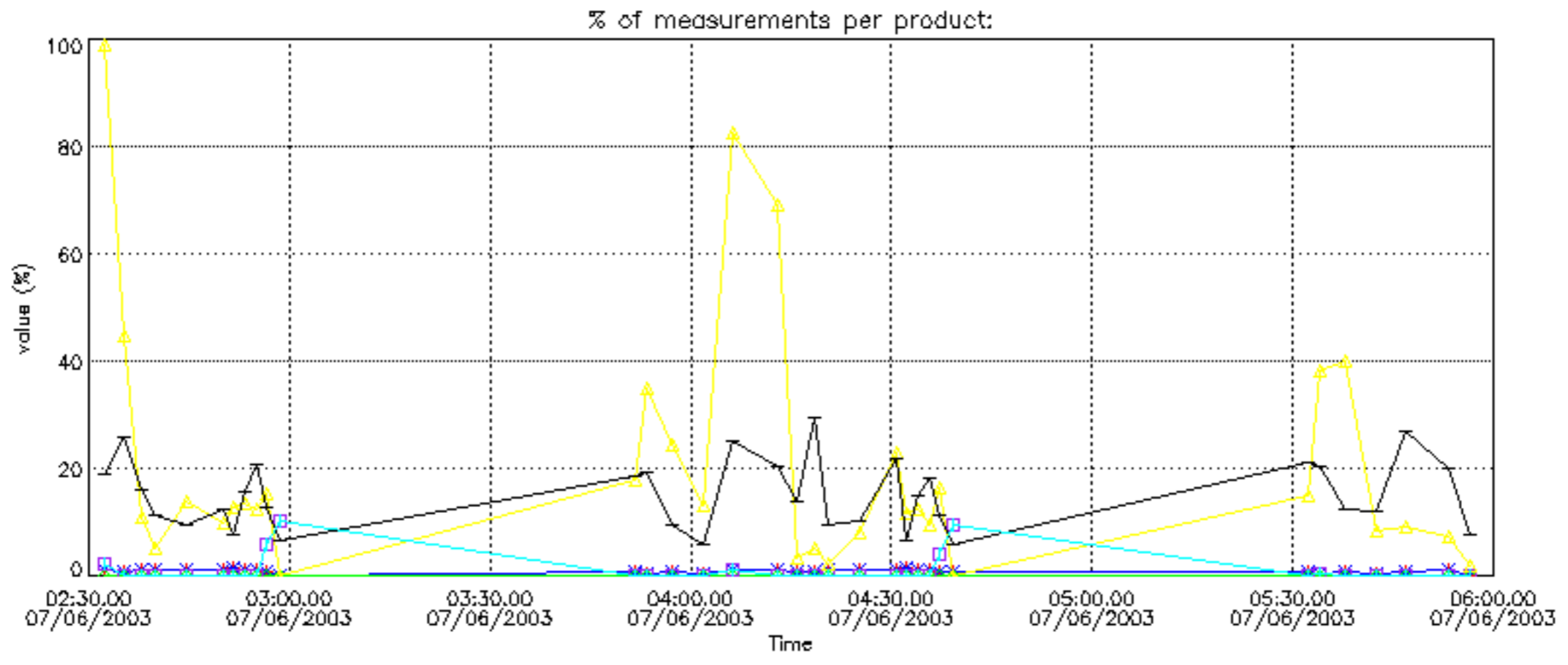


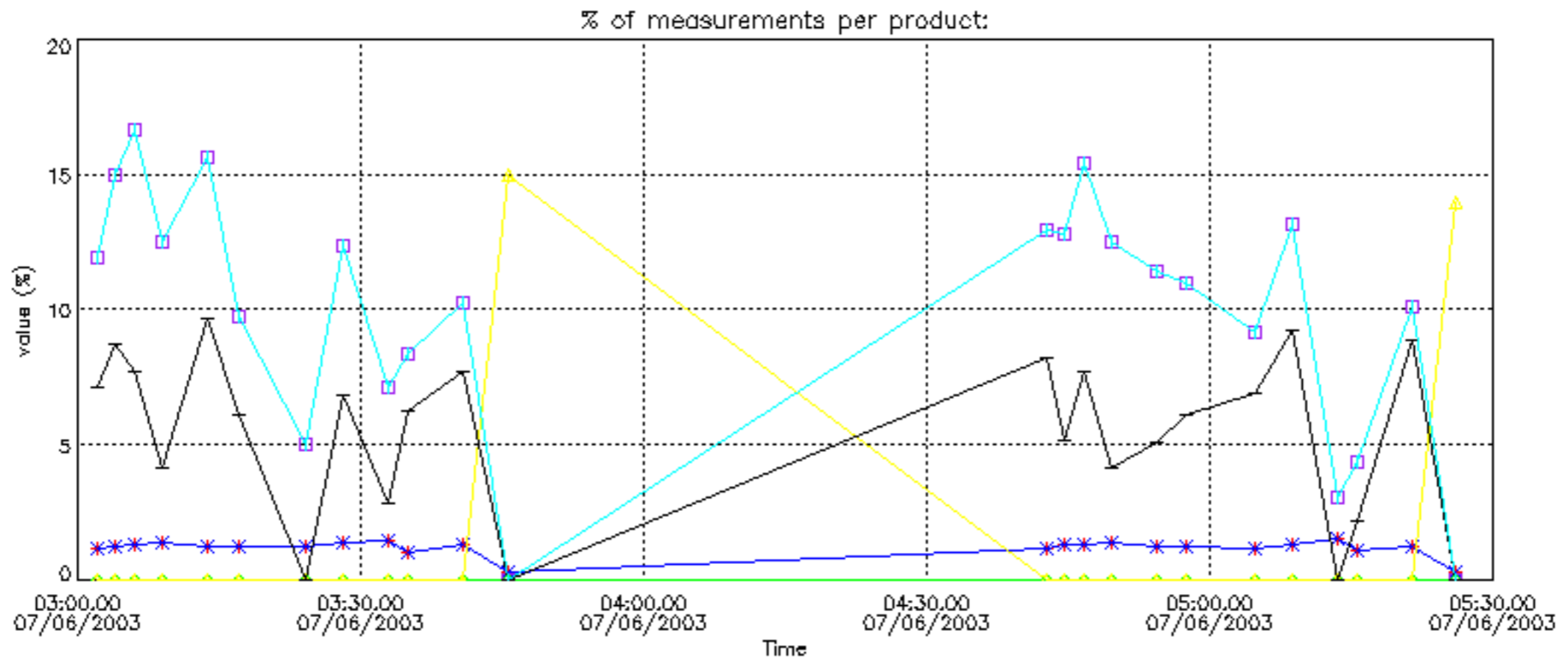
Percentage of flagged data per NO2 profile



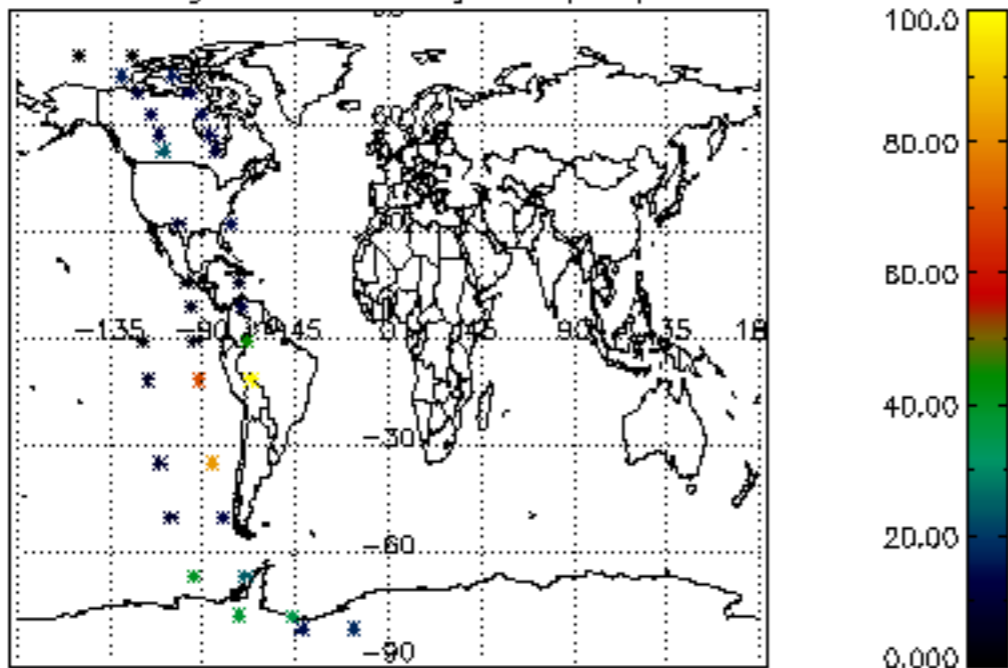
Percentage of flagged data per NO3 profile



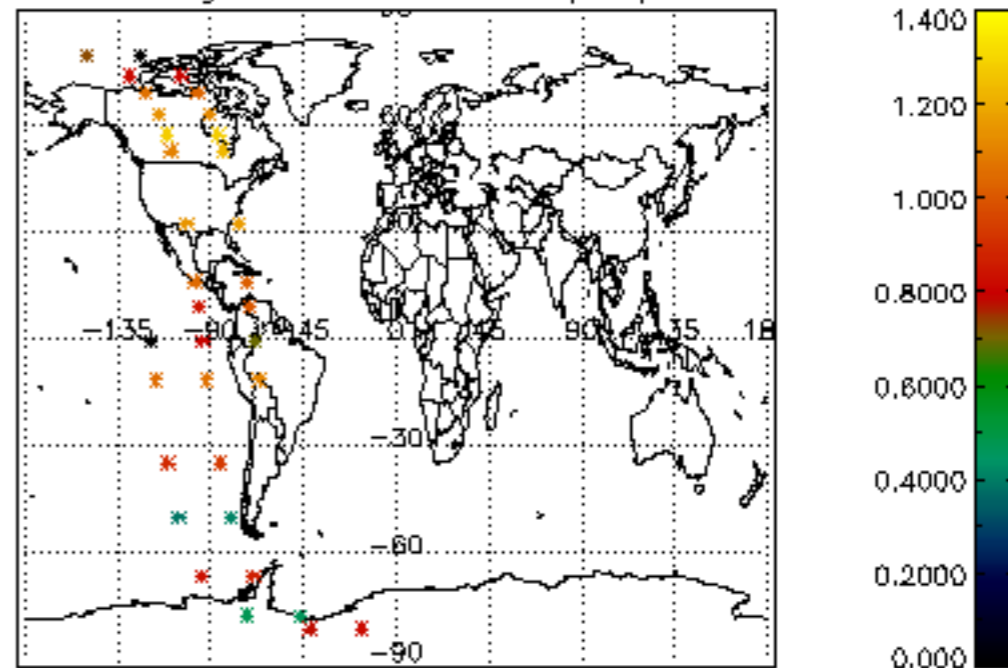




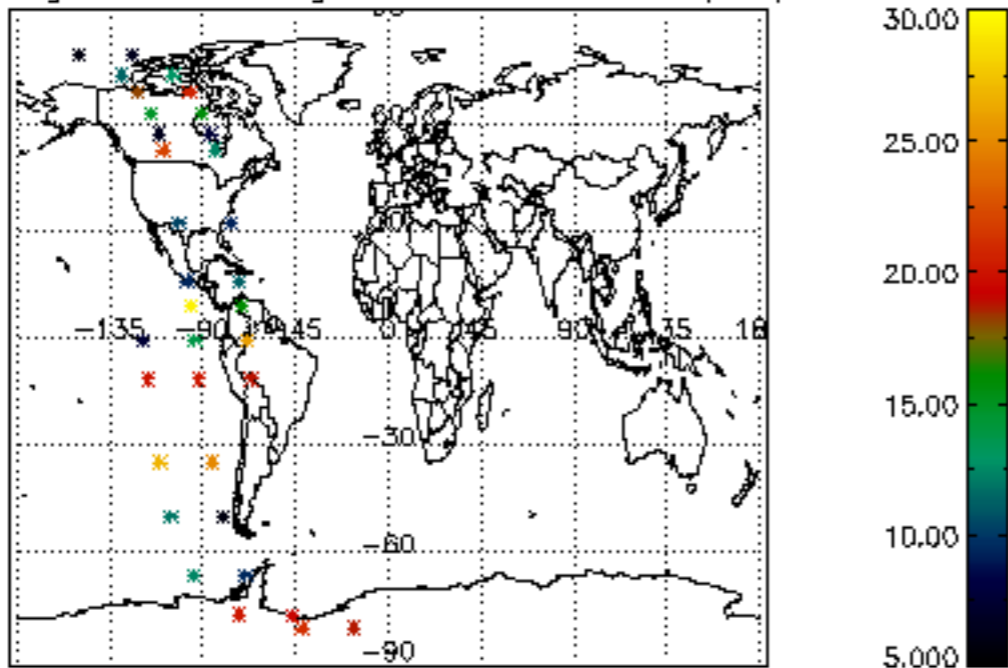
Percentage of cosmic ray hits per profile



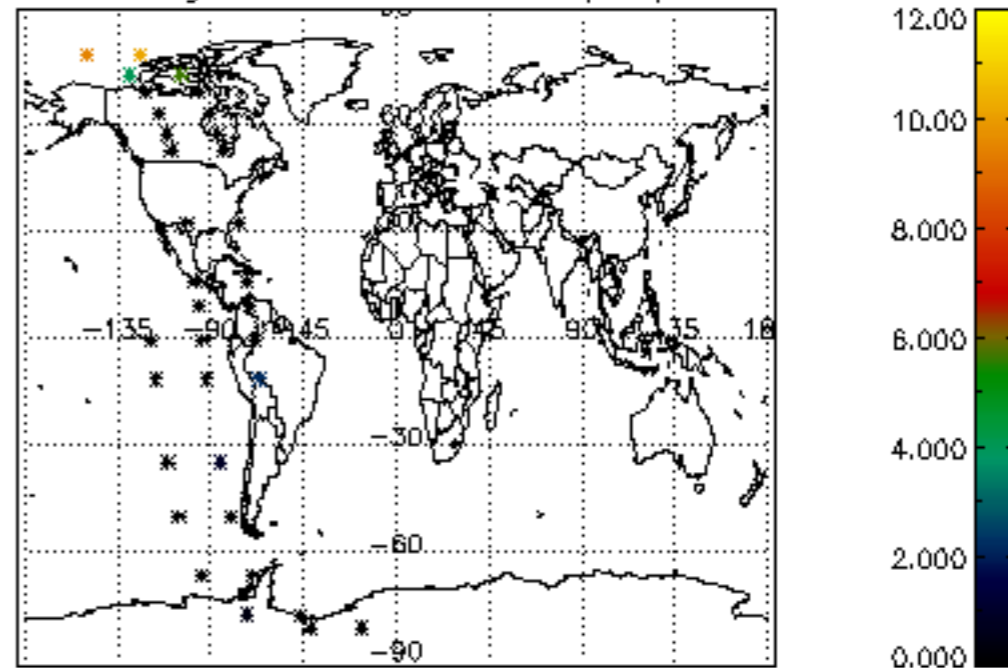
Percentage of datation errors per profile



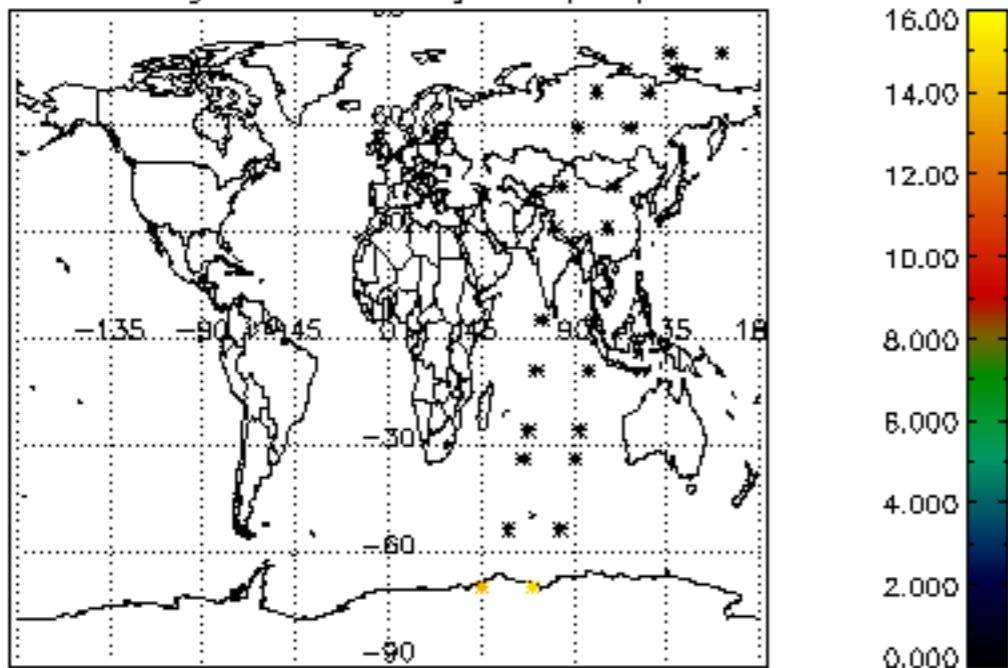
Percentage of star falling outside central band per profile



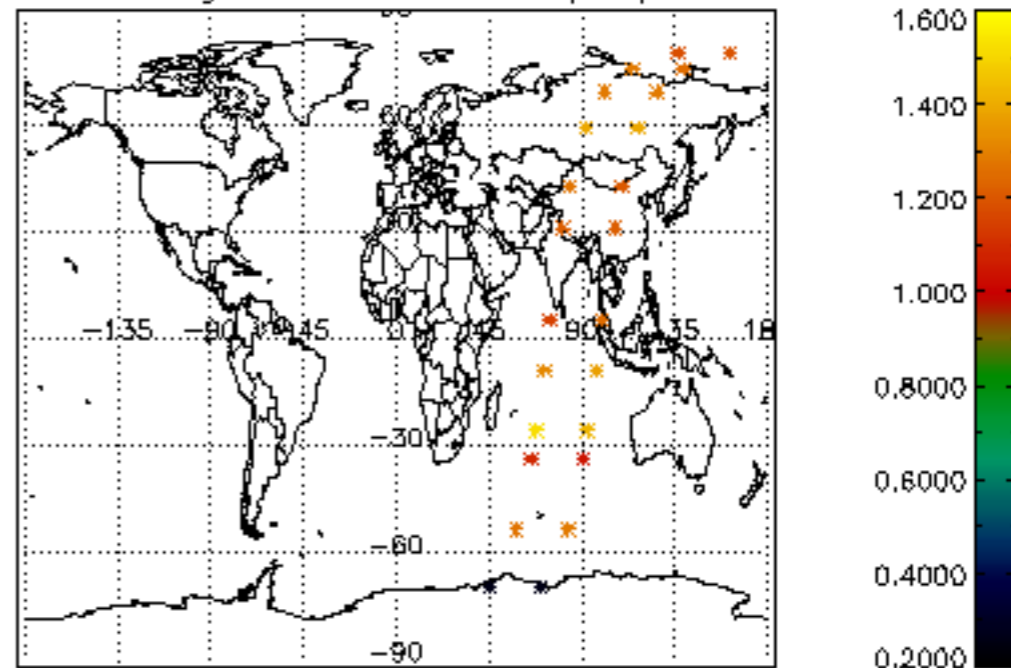
Percentage of saturation errors per profile



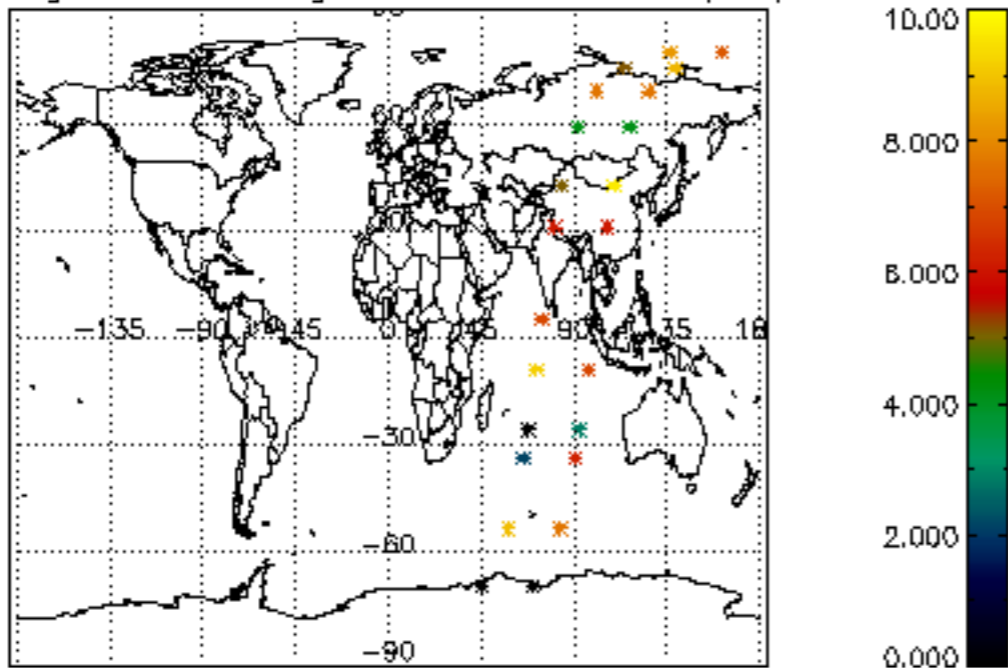
Percentage of cosmic ray hits per profile



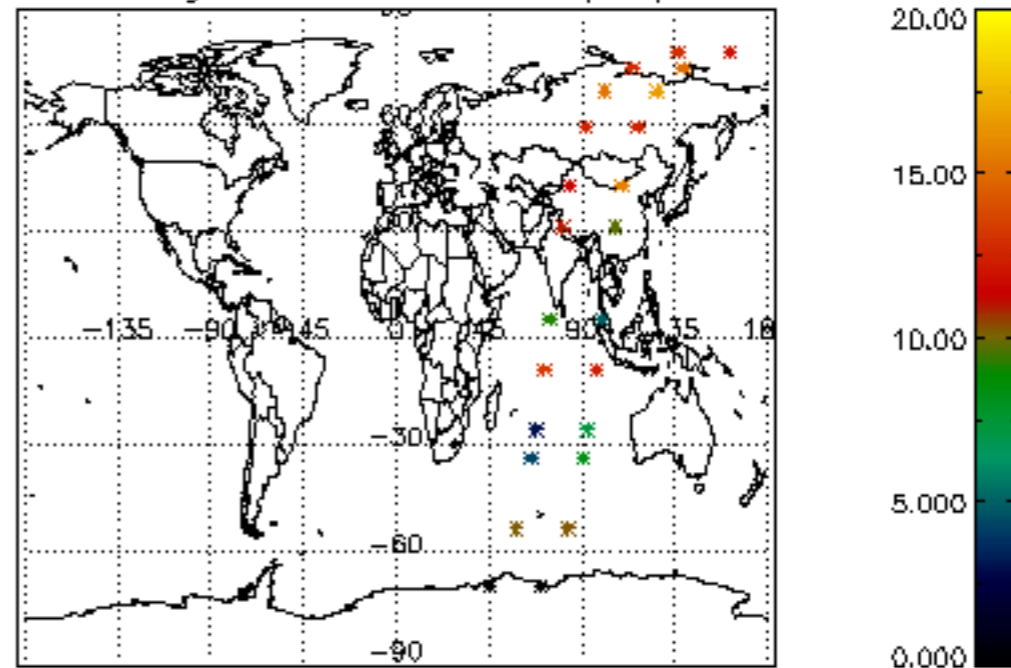
Percentage of datation errors per profile

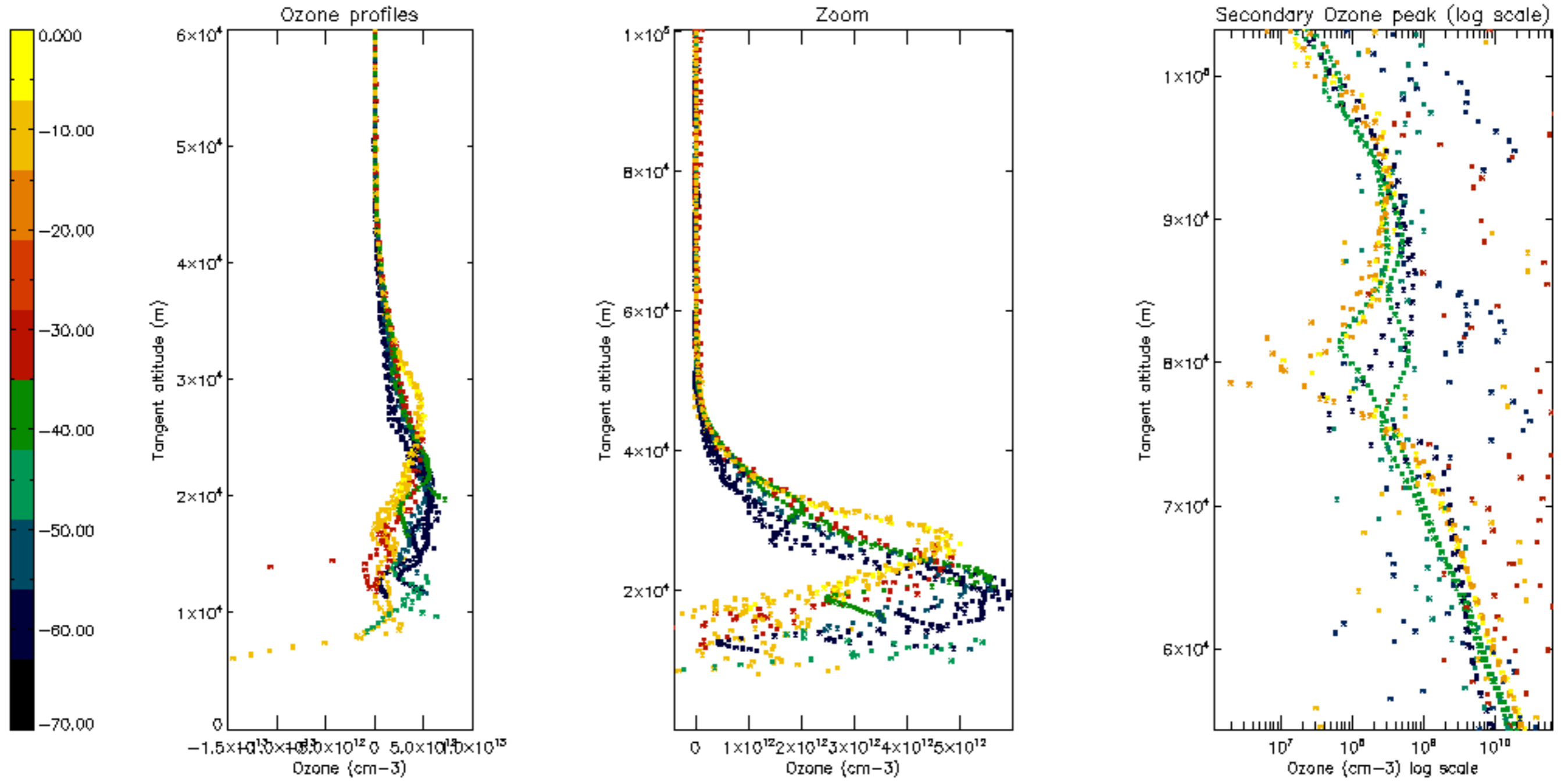


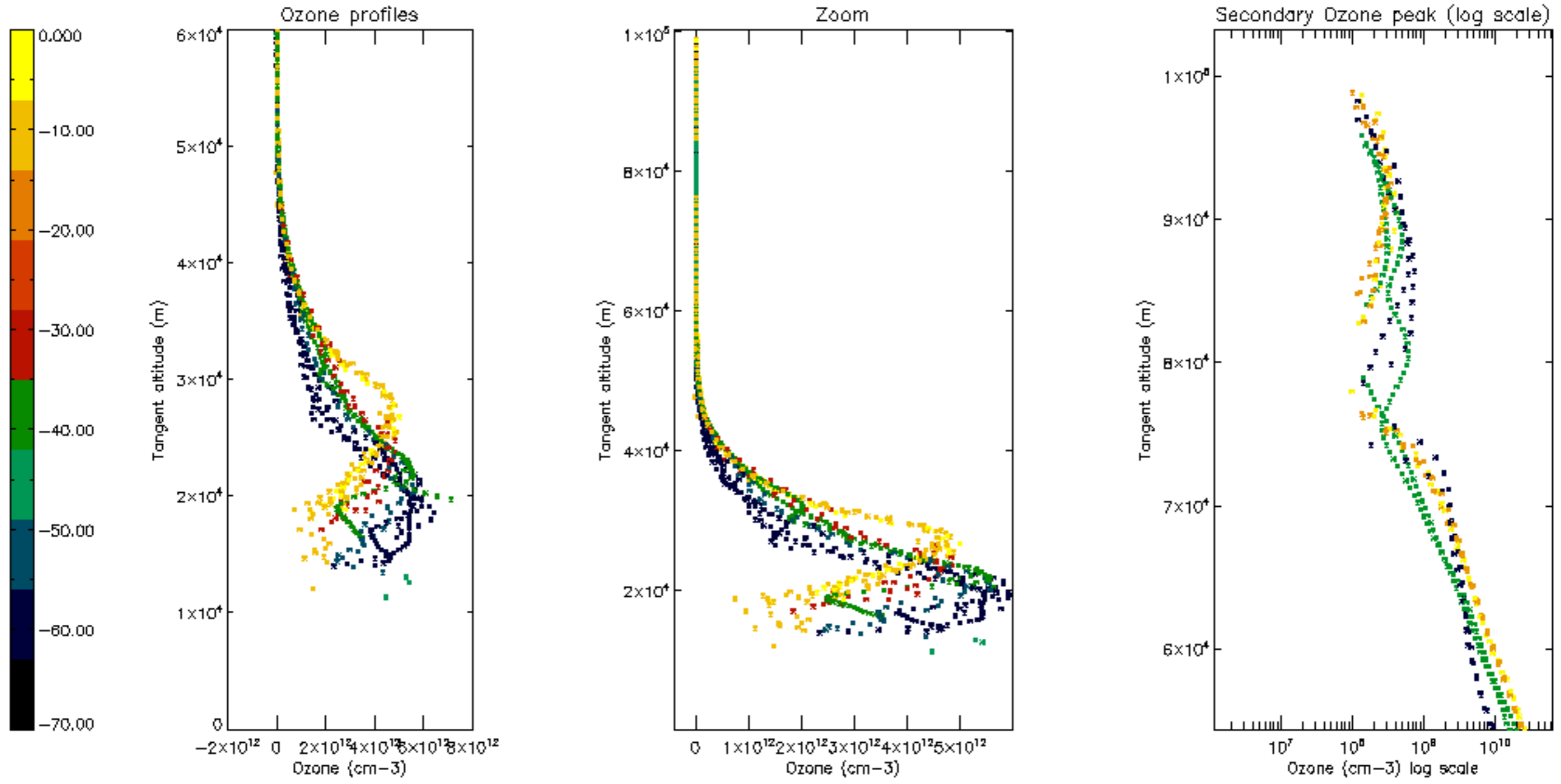
Percentage of star falling outside central band per profile

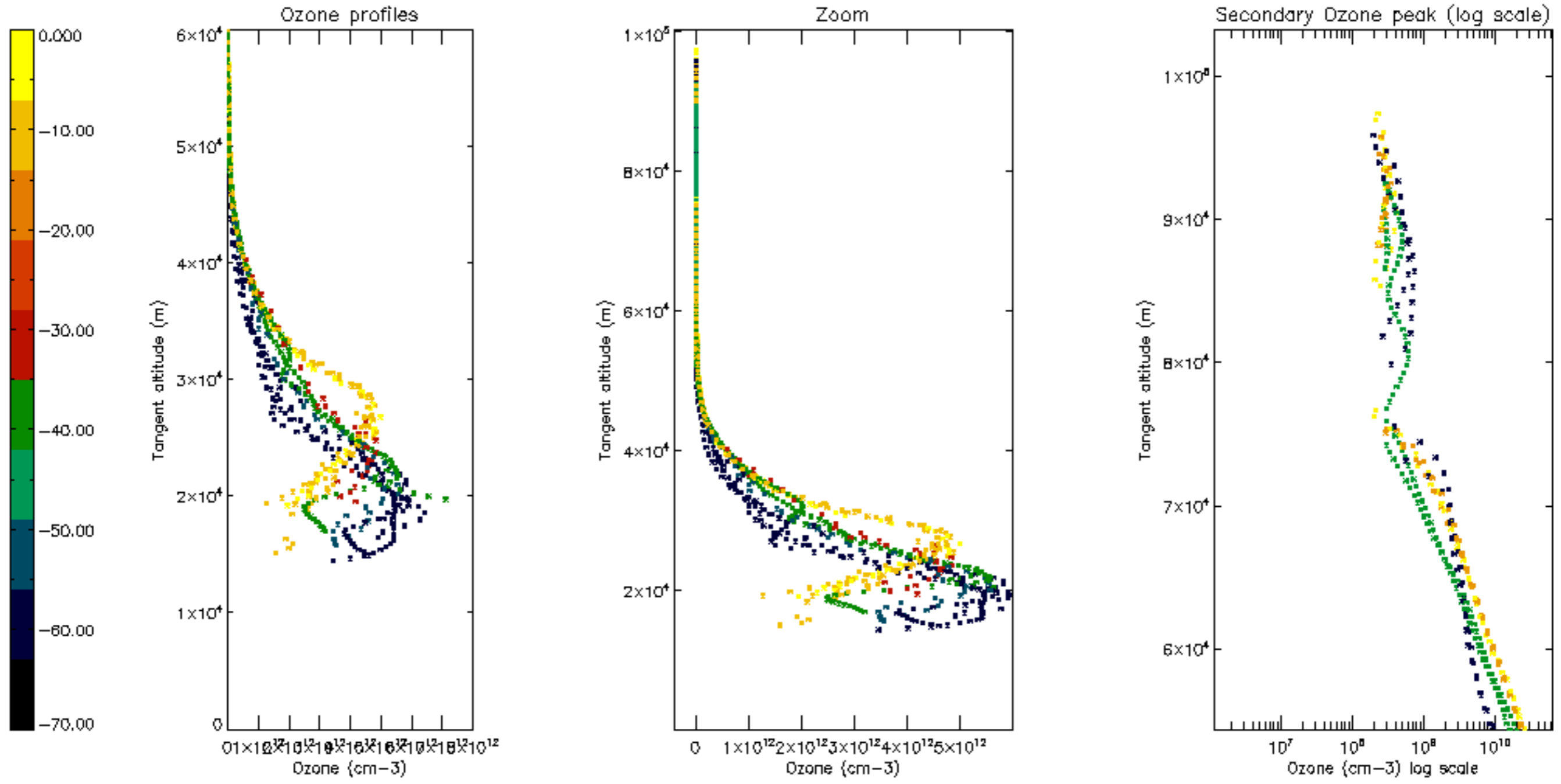


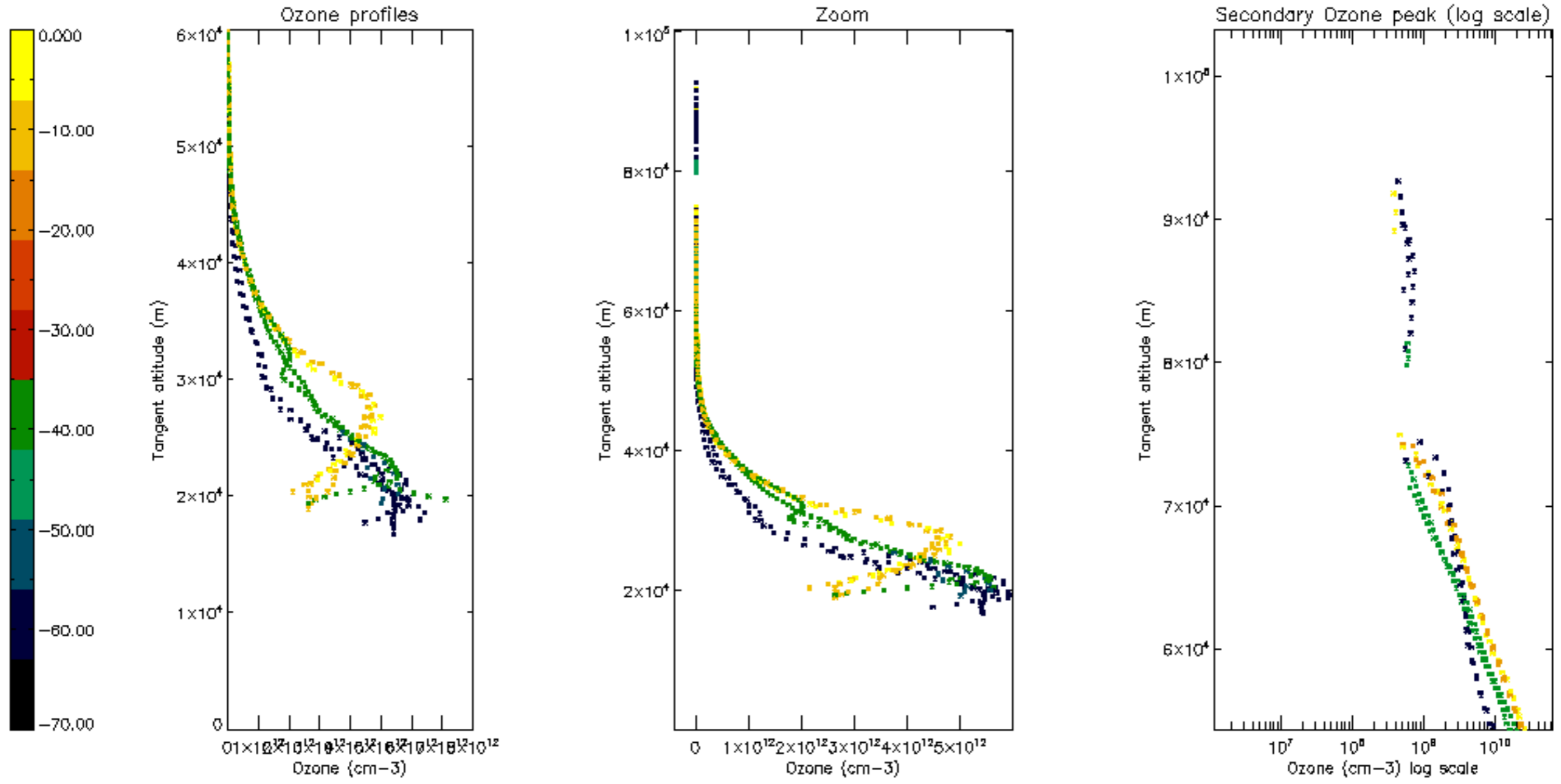
Percentage of saturation errors per profile

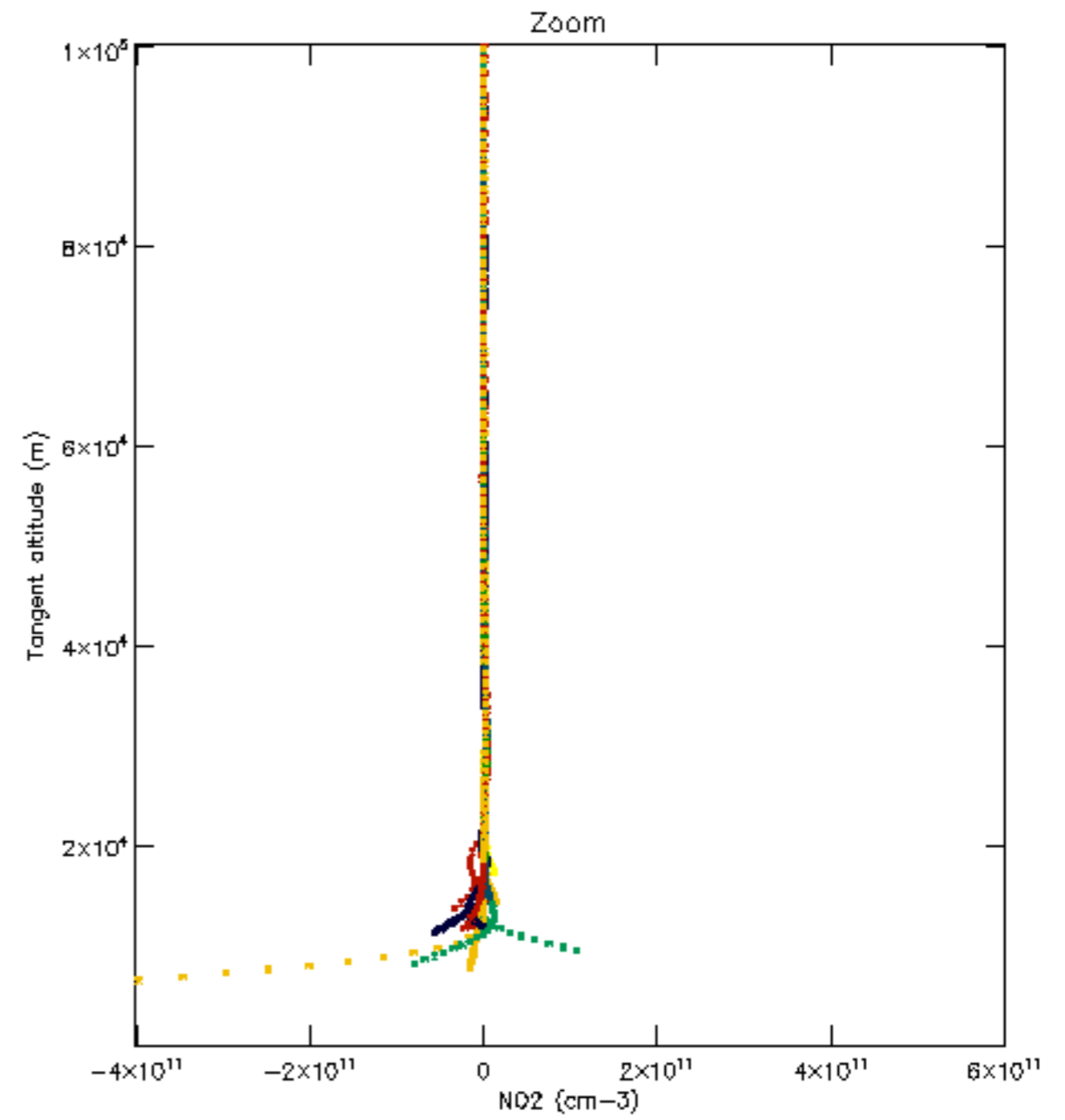
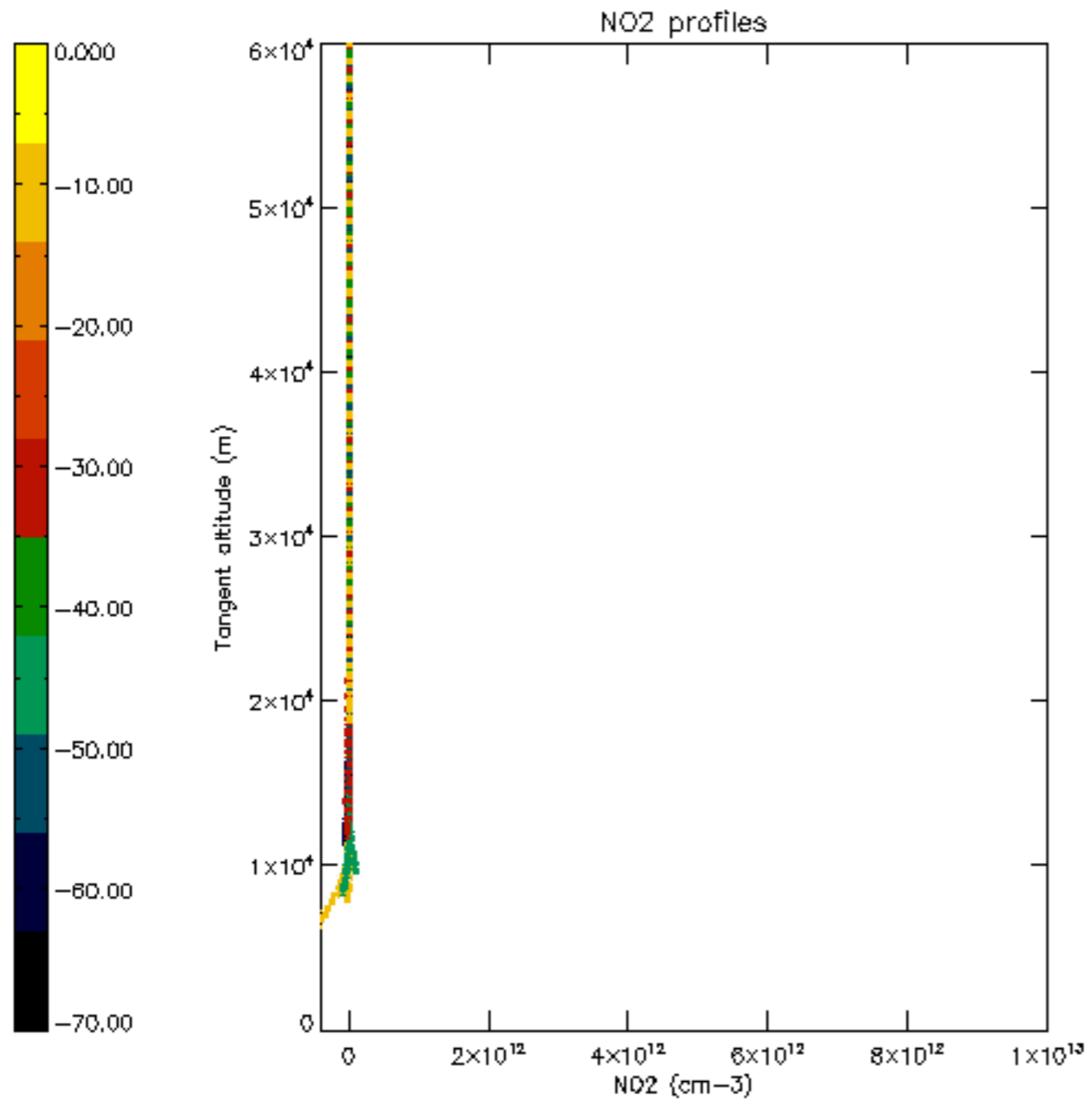


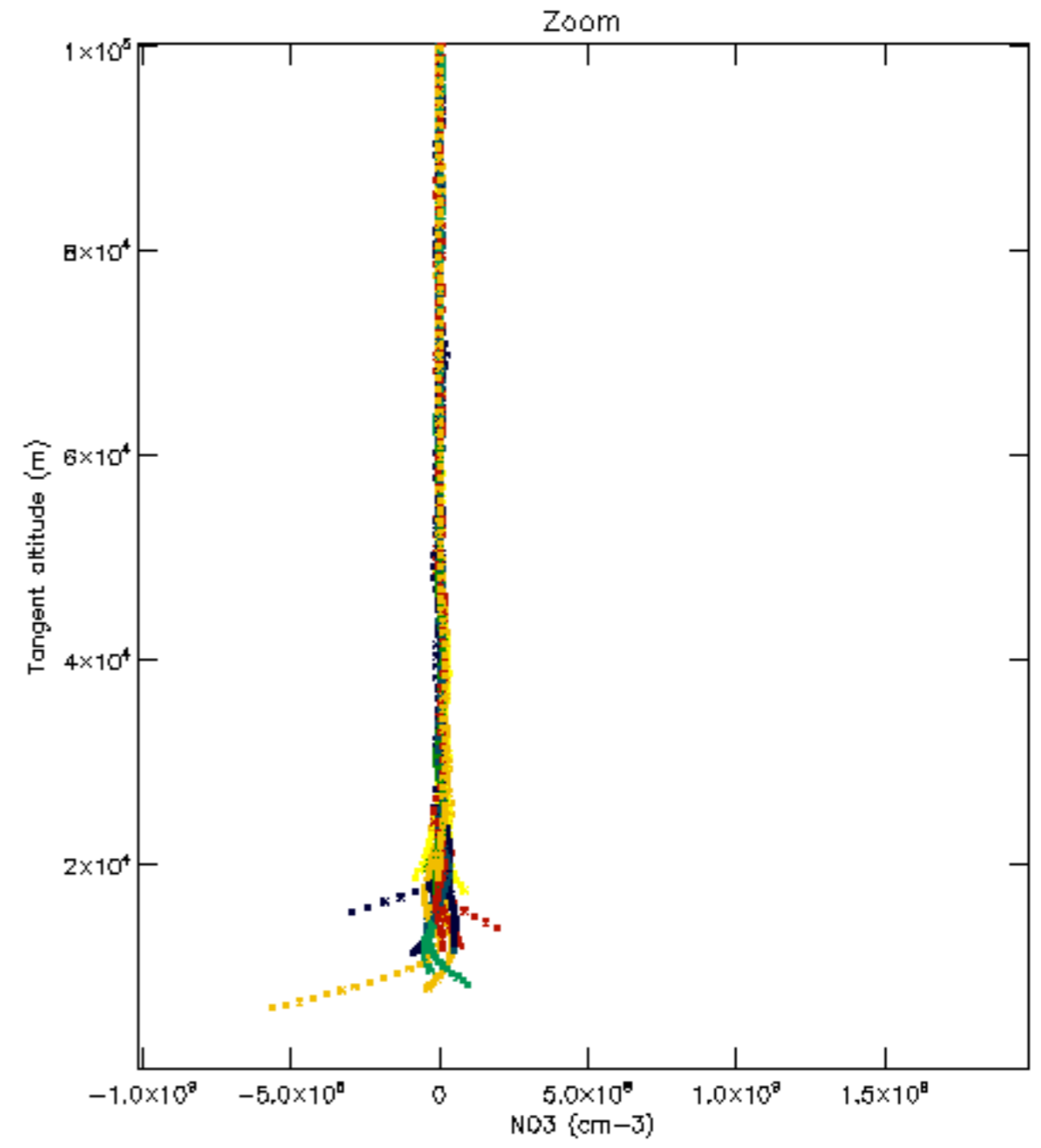
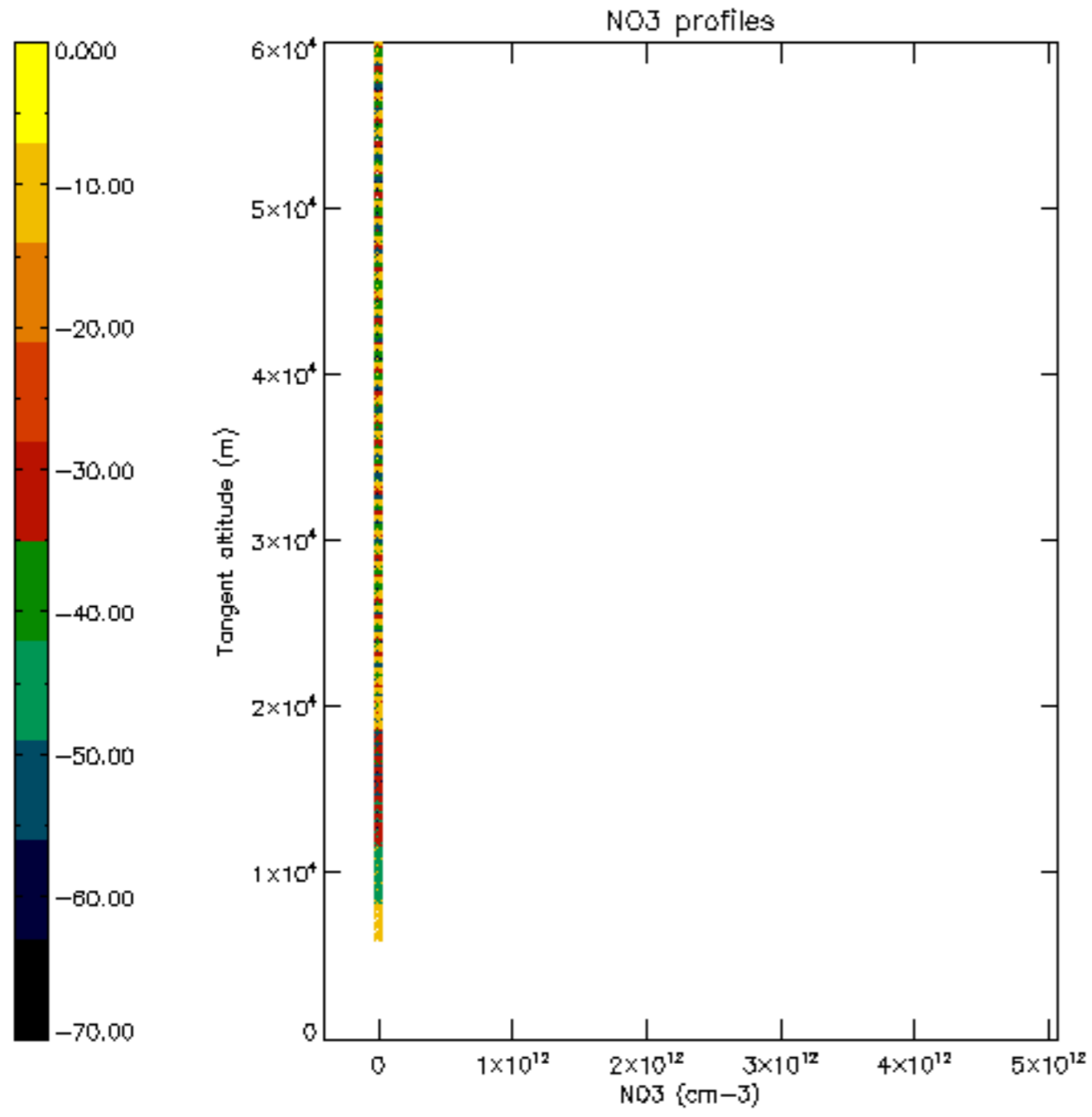


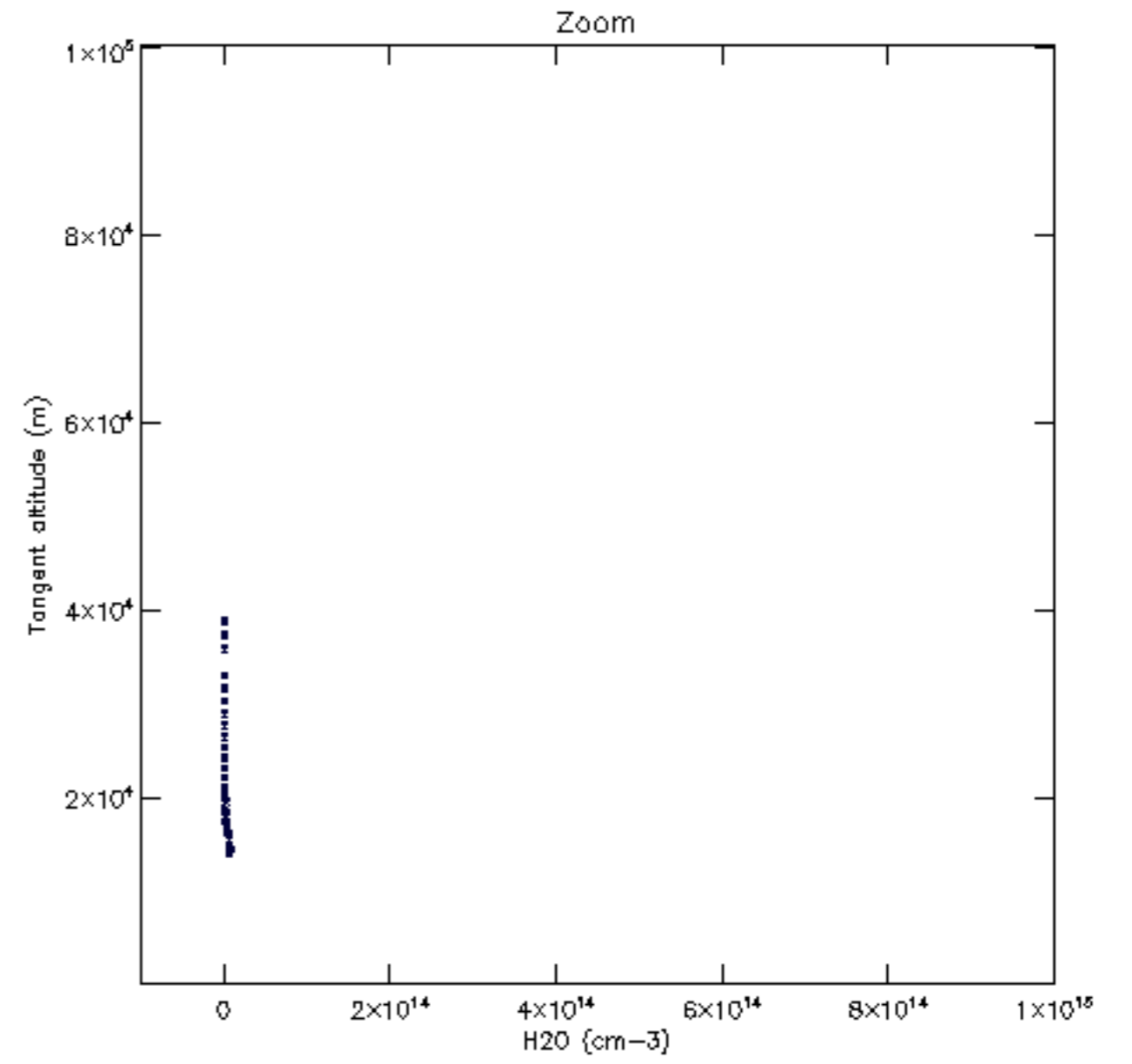
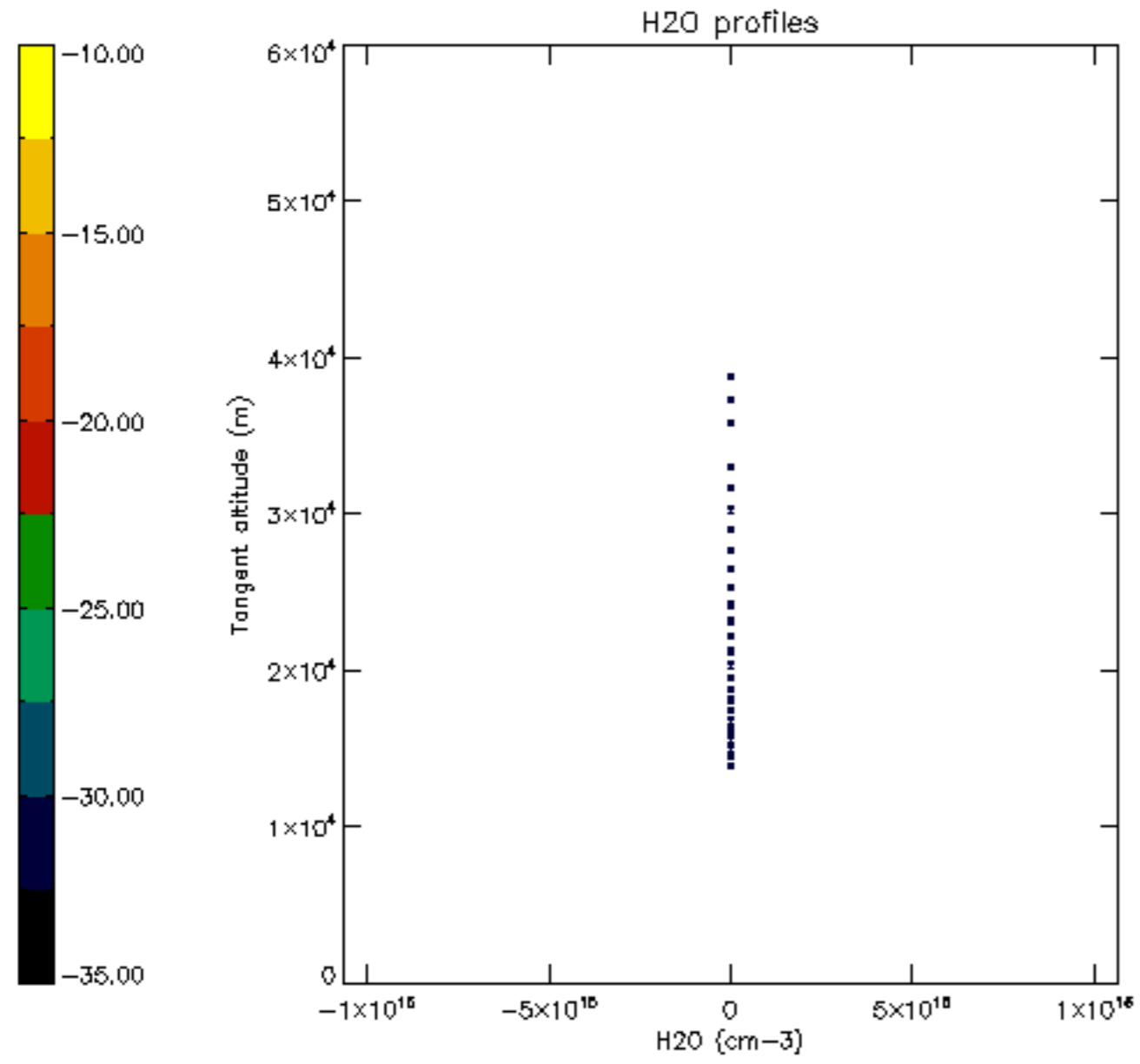


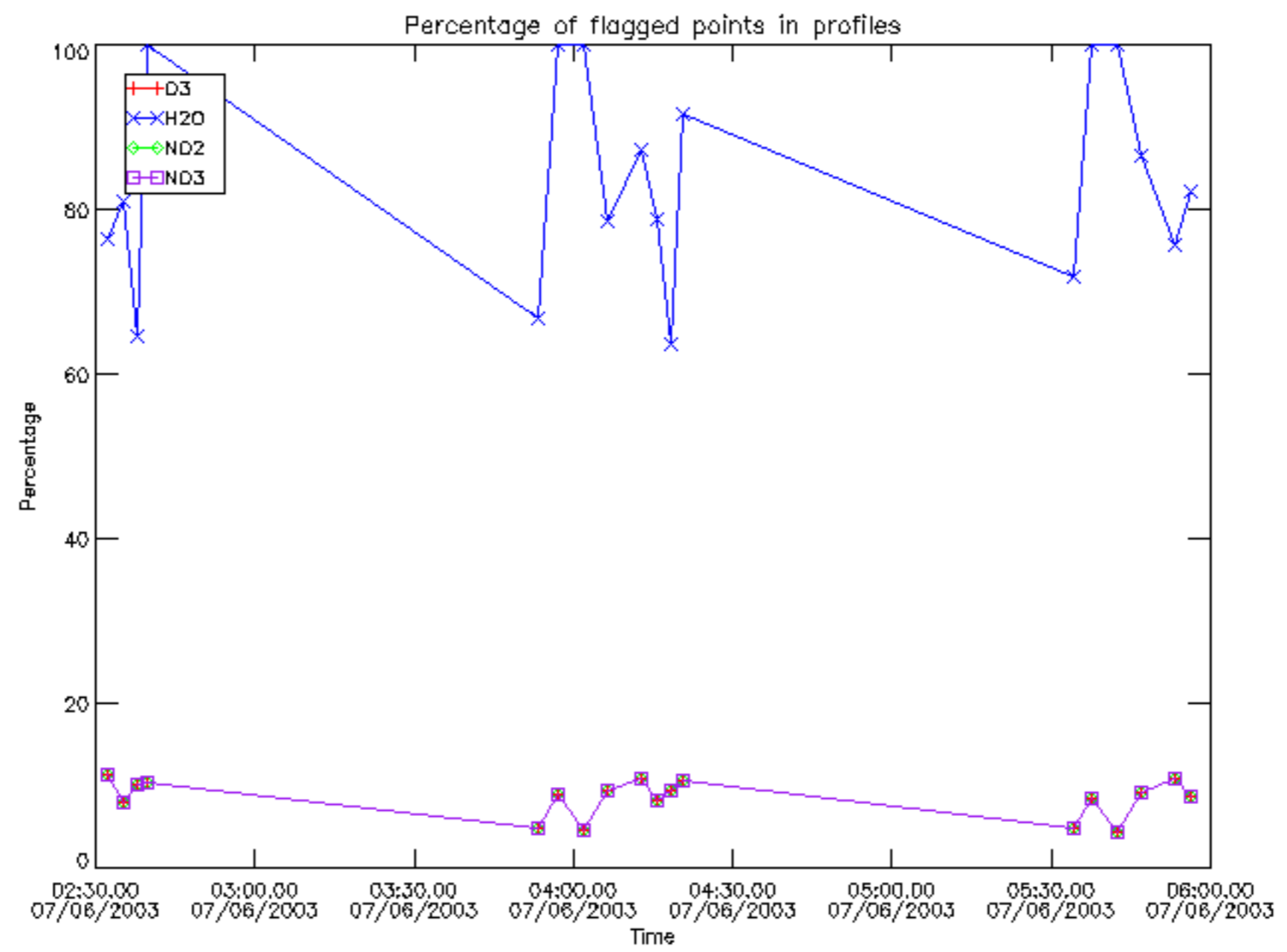




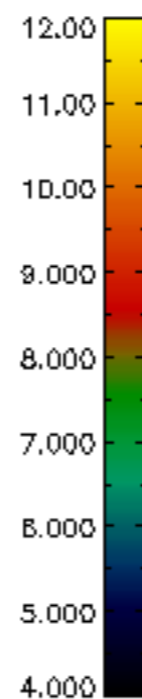
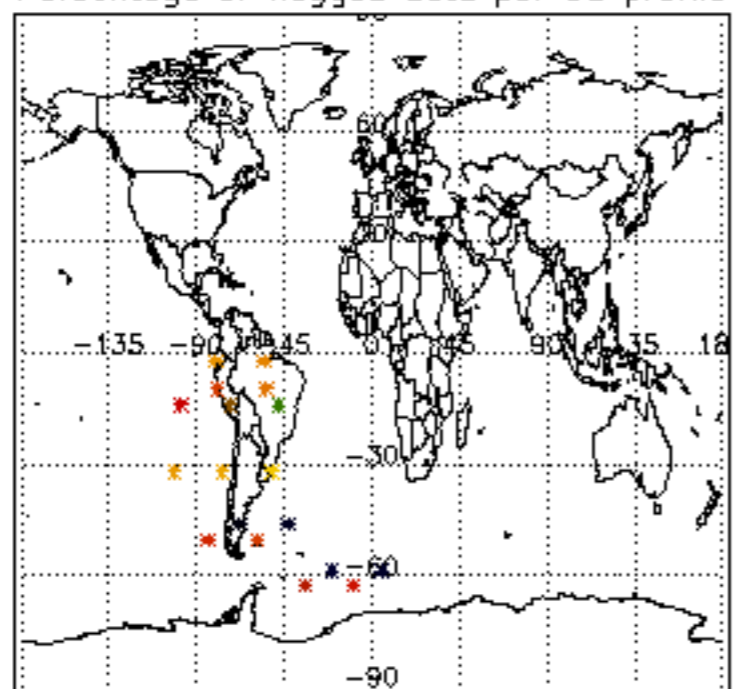




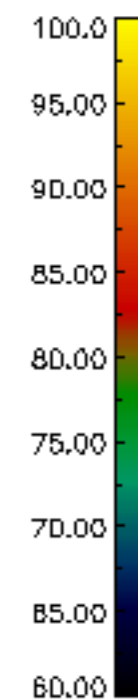
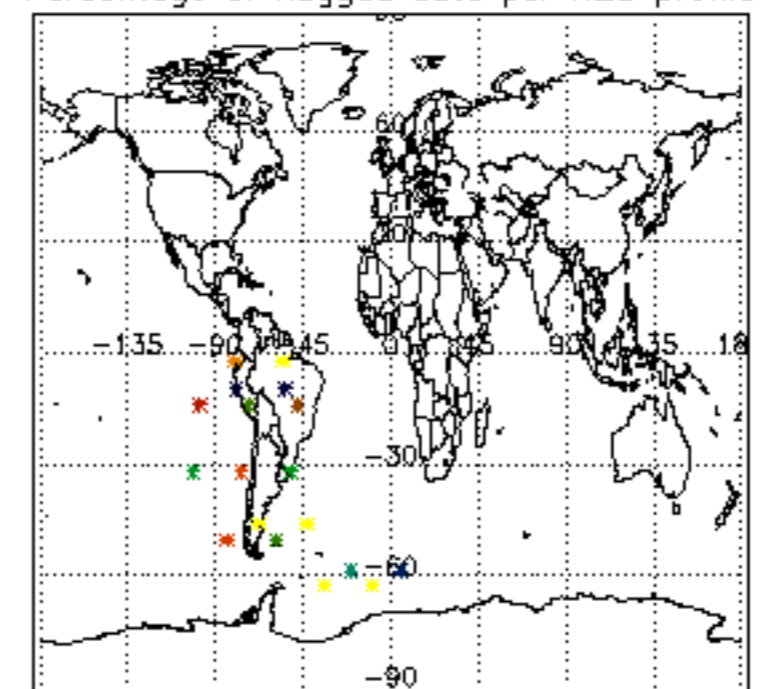




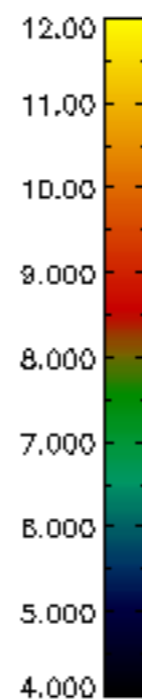
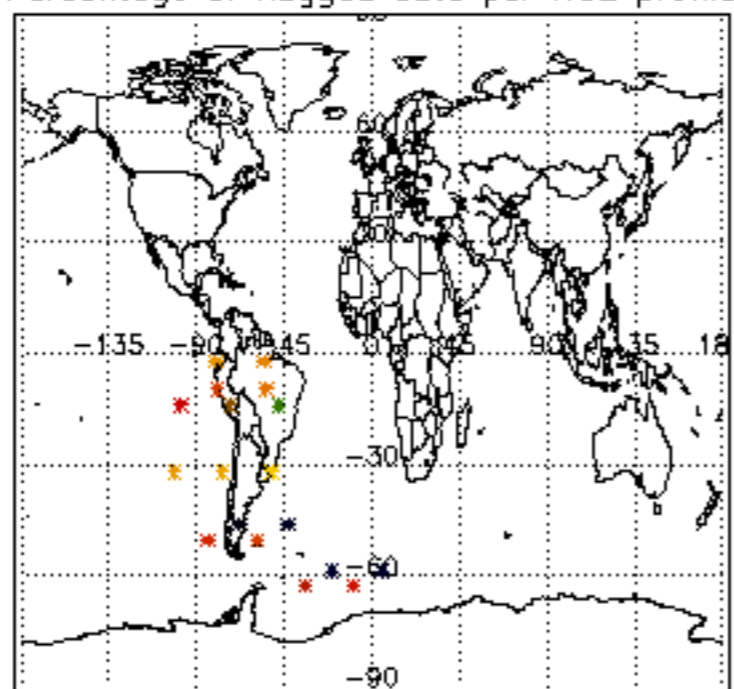
Percentage of flagged data per D3 profile



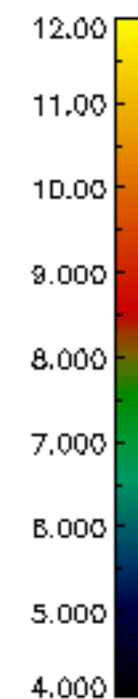
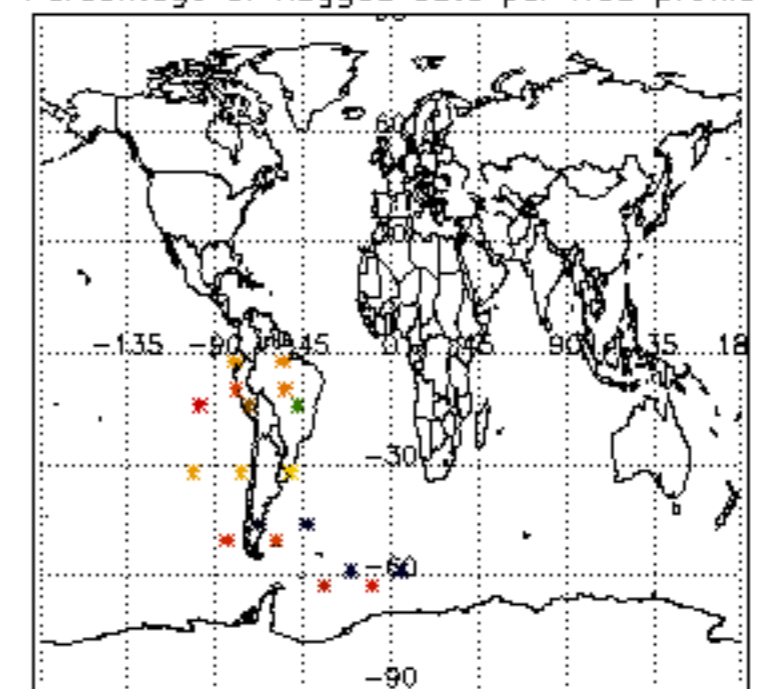
Percentage of flagged data per H2O profile

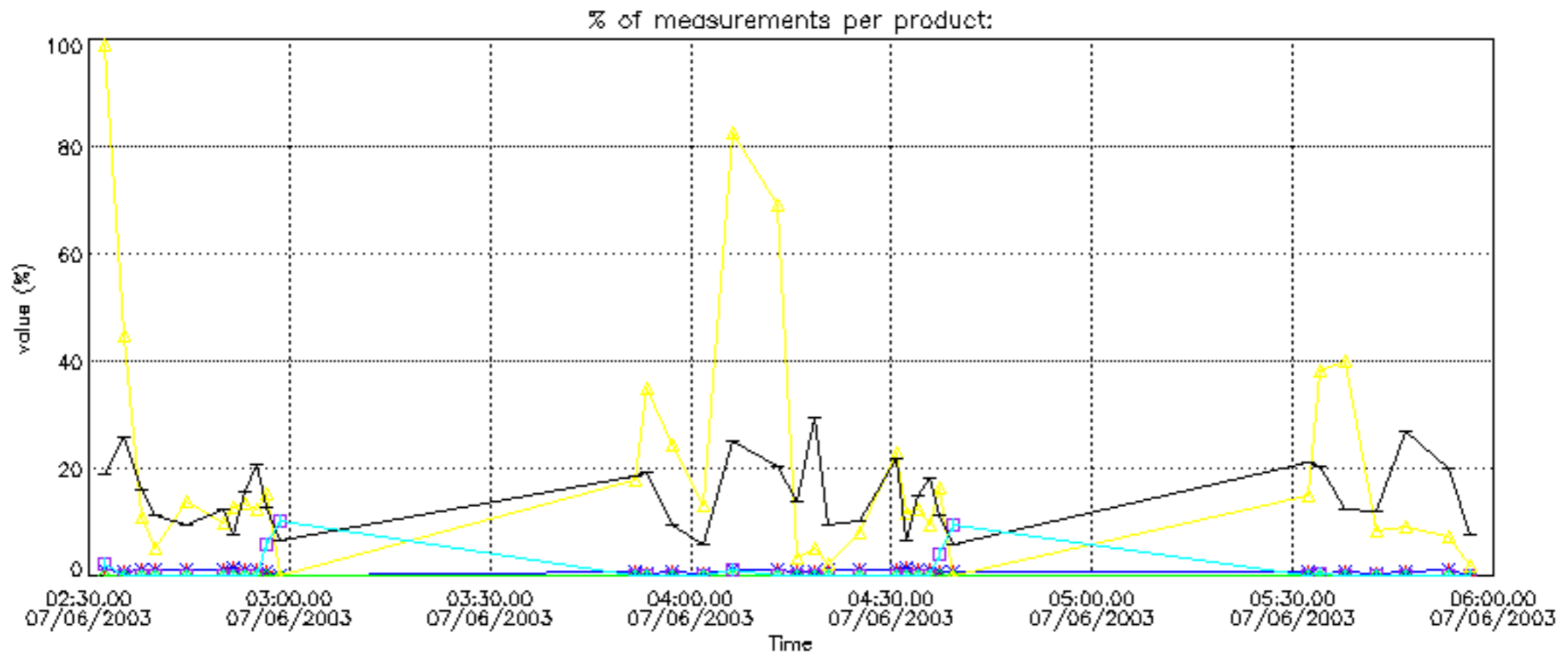


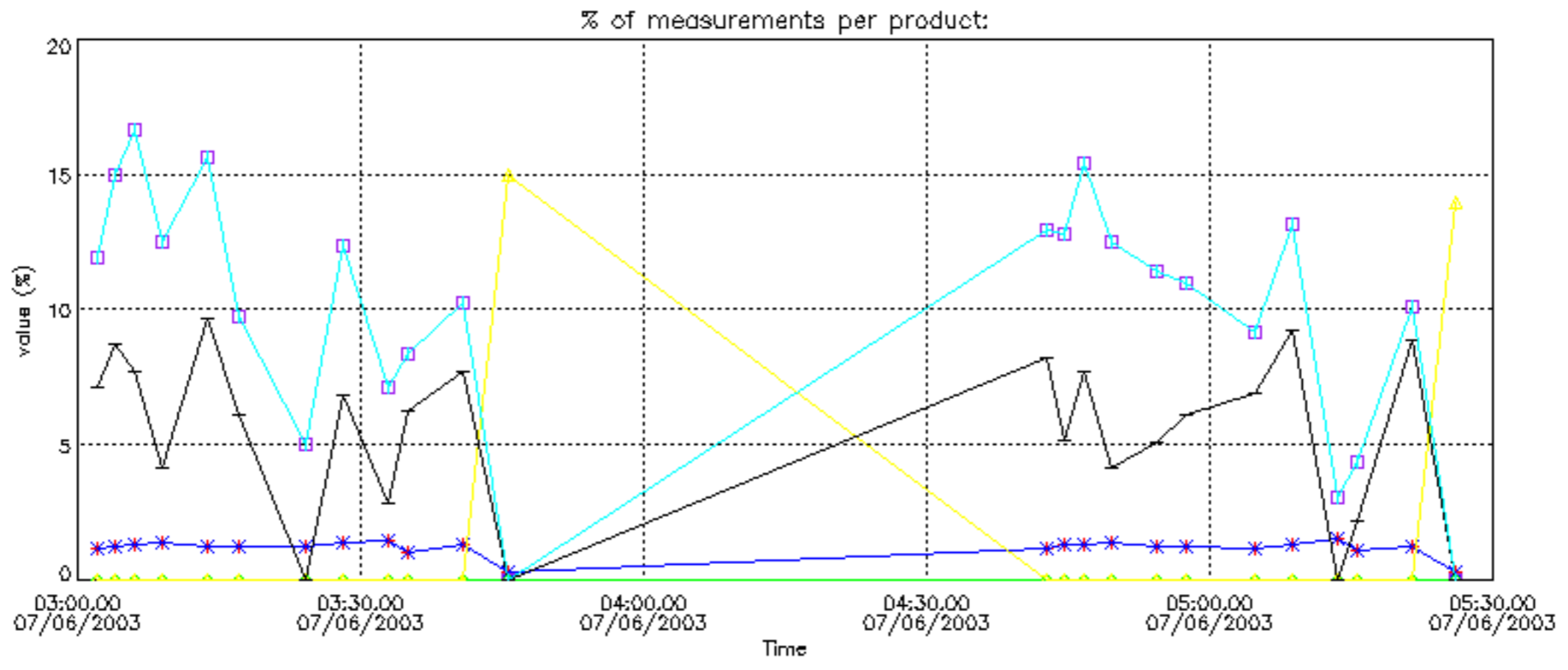
Percentage of flagged data per NO2 profile



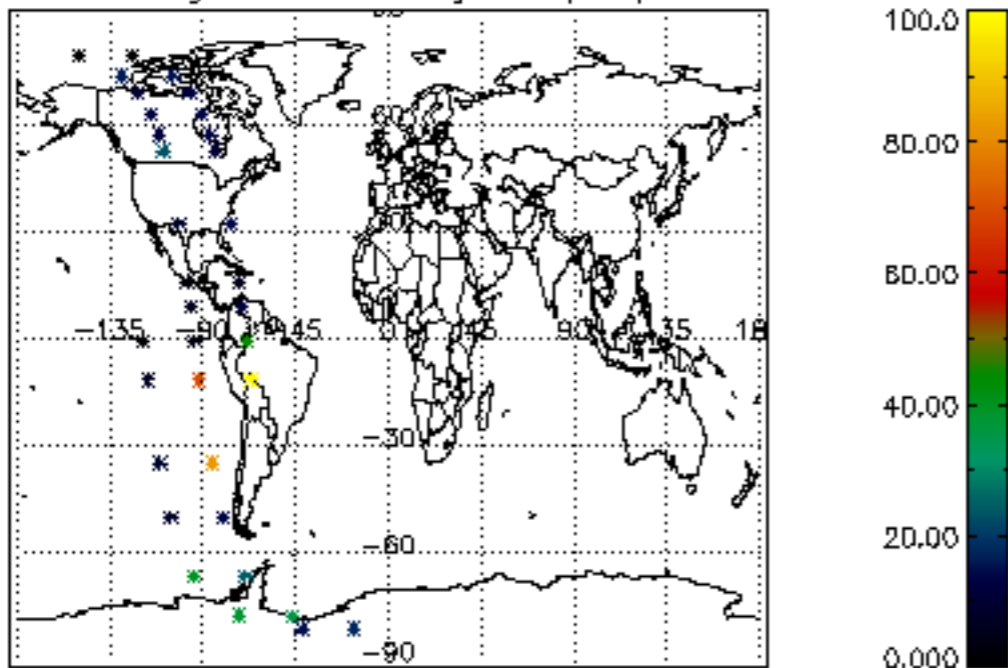
Percentage of flagged data per NO3 profile



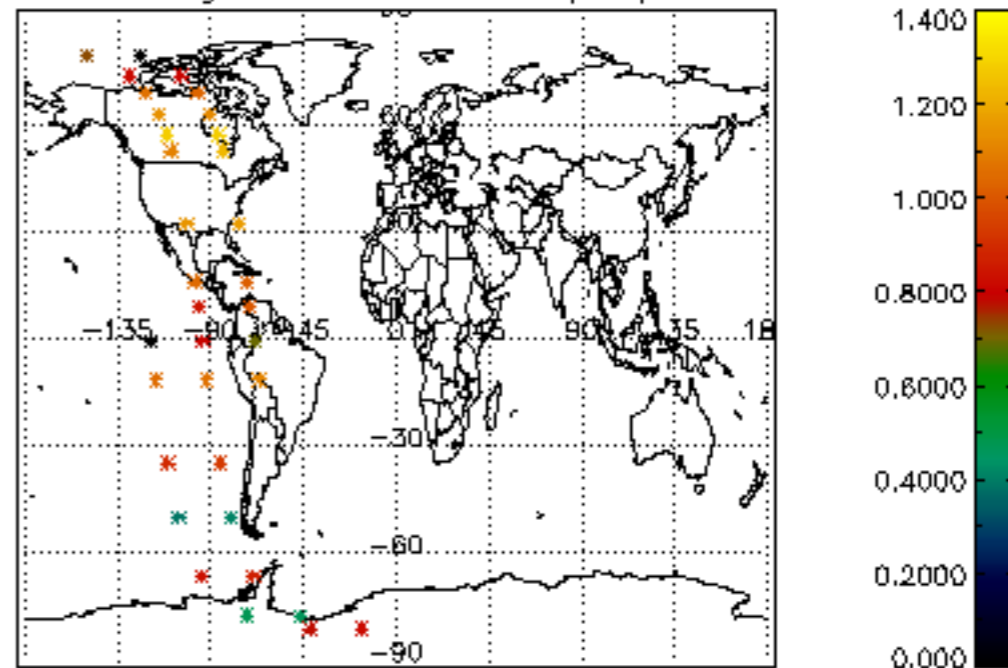




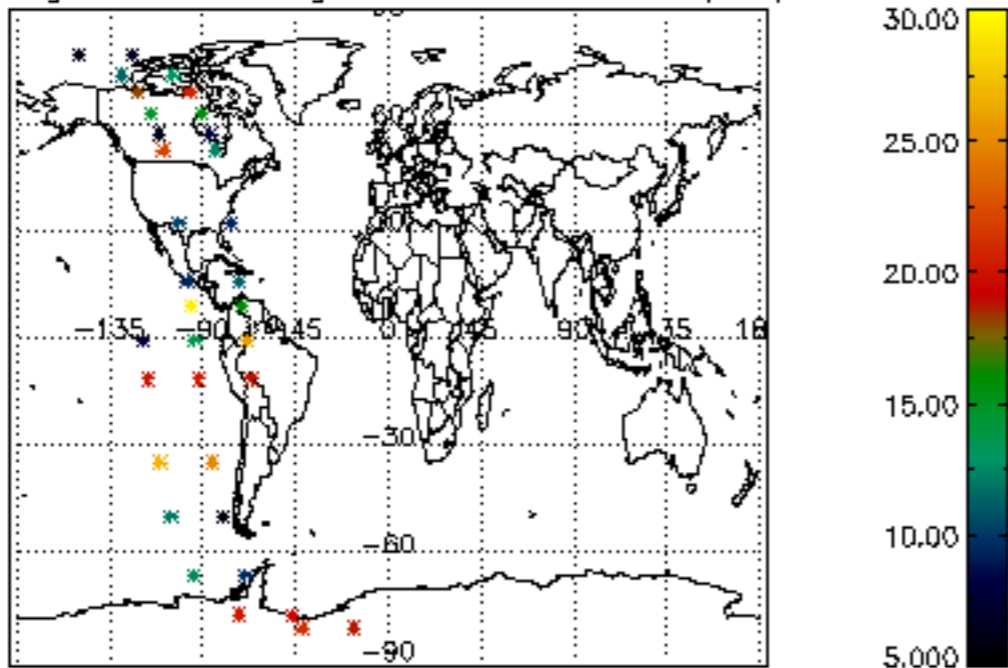
Percentage of cosmic ray hits per profile



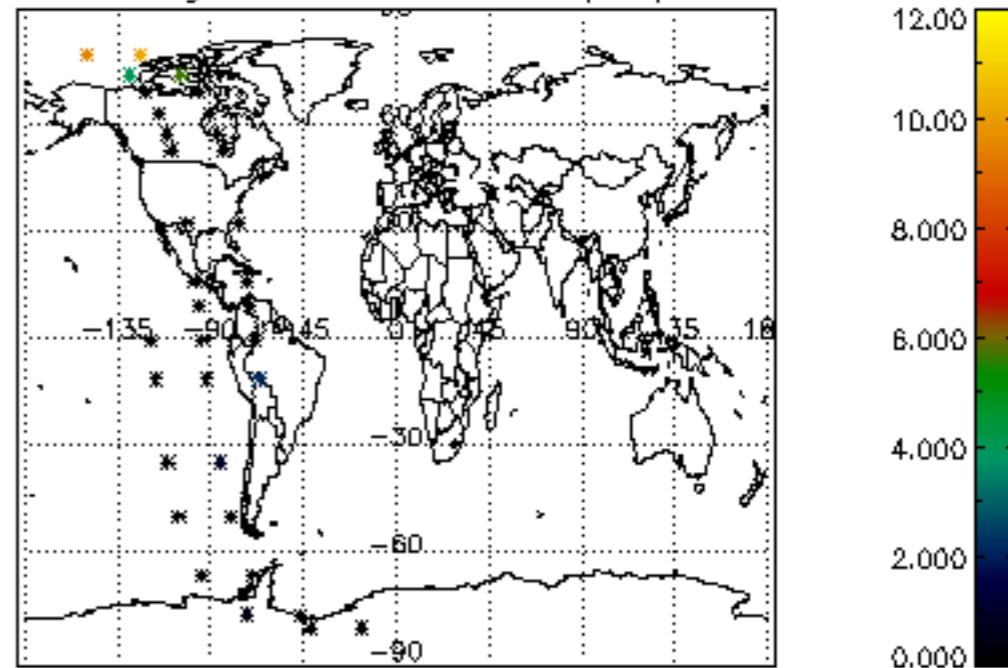
Percentage of datation errors per profile



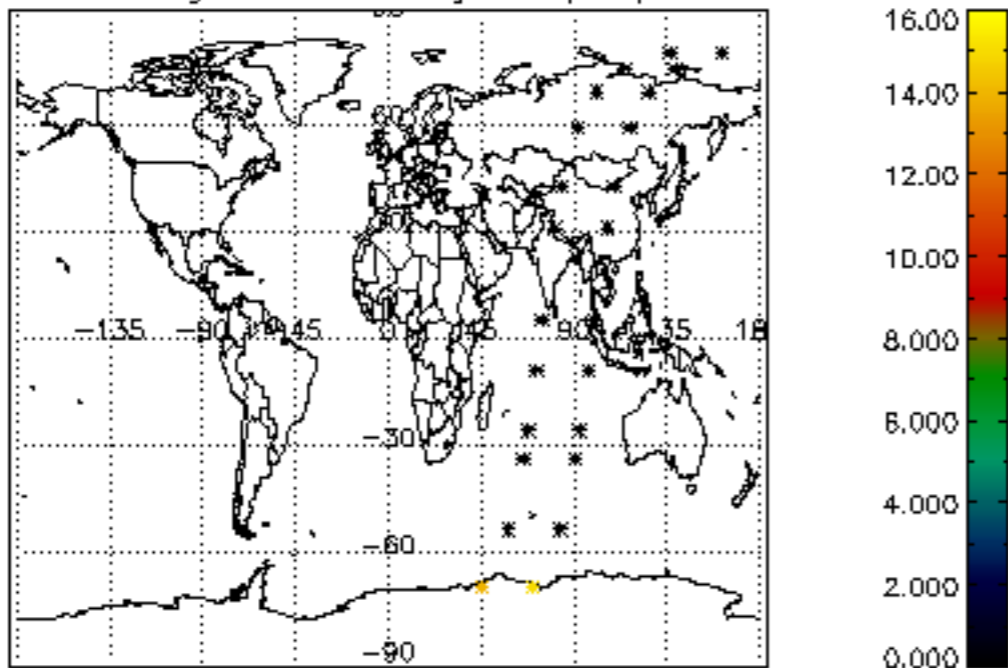
Percentage of star falling outside central band per profile



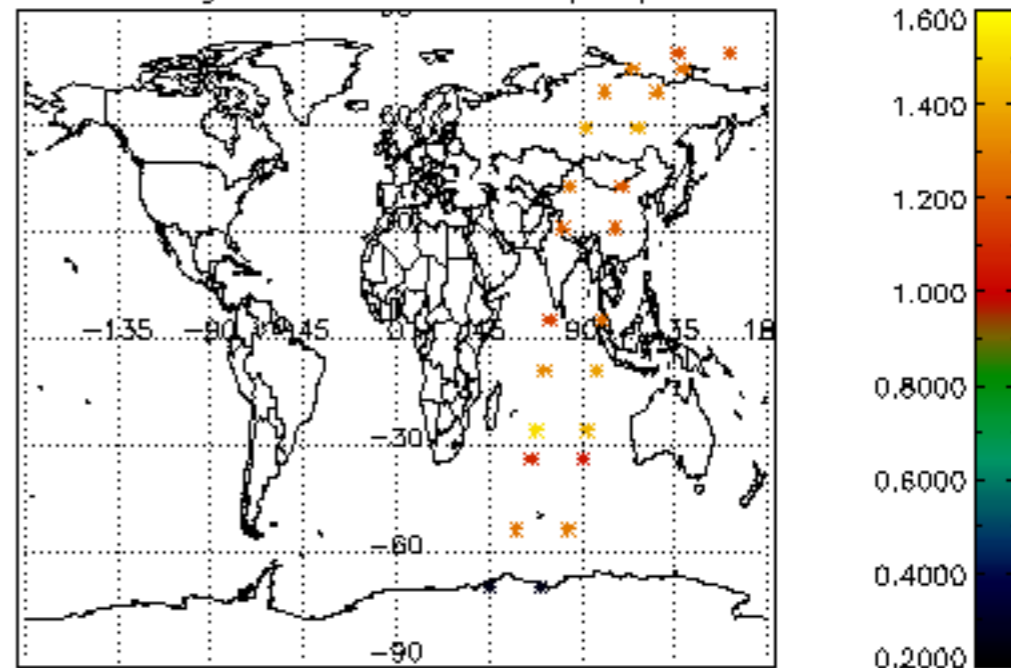
Percentage of saturation errors per profile



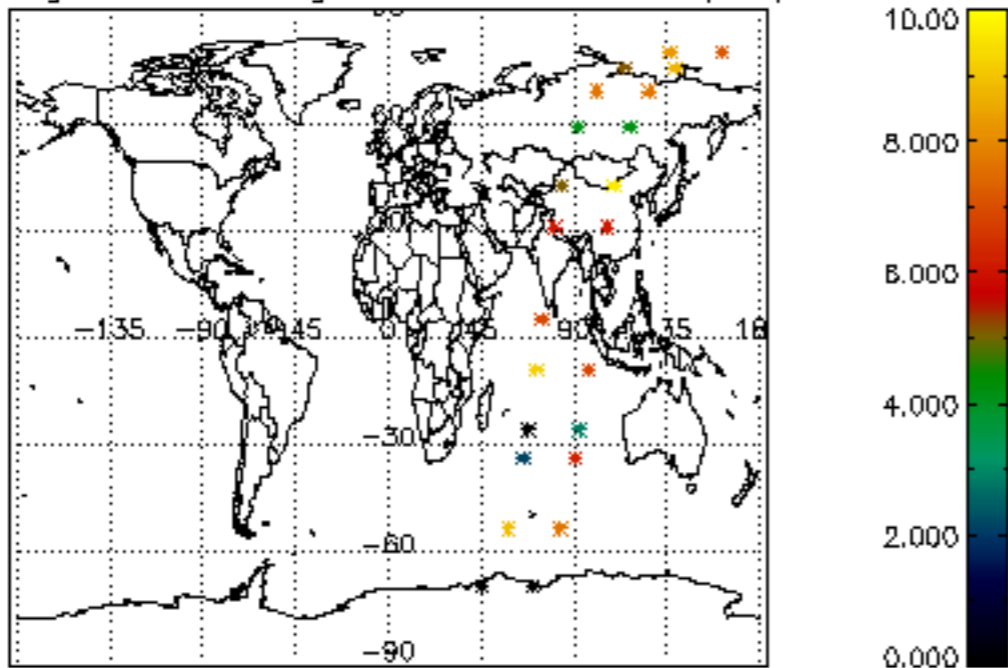
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

