

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 12:56:10
Data source version	GOMOS/6.01
Start time of products	12-07-2010 (12JUL2010 00:00:00)
Stop time of products	13-07-2010 (13JUL2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	282
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

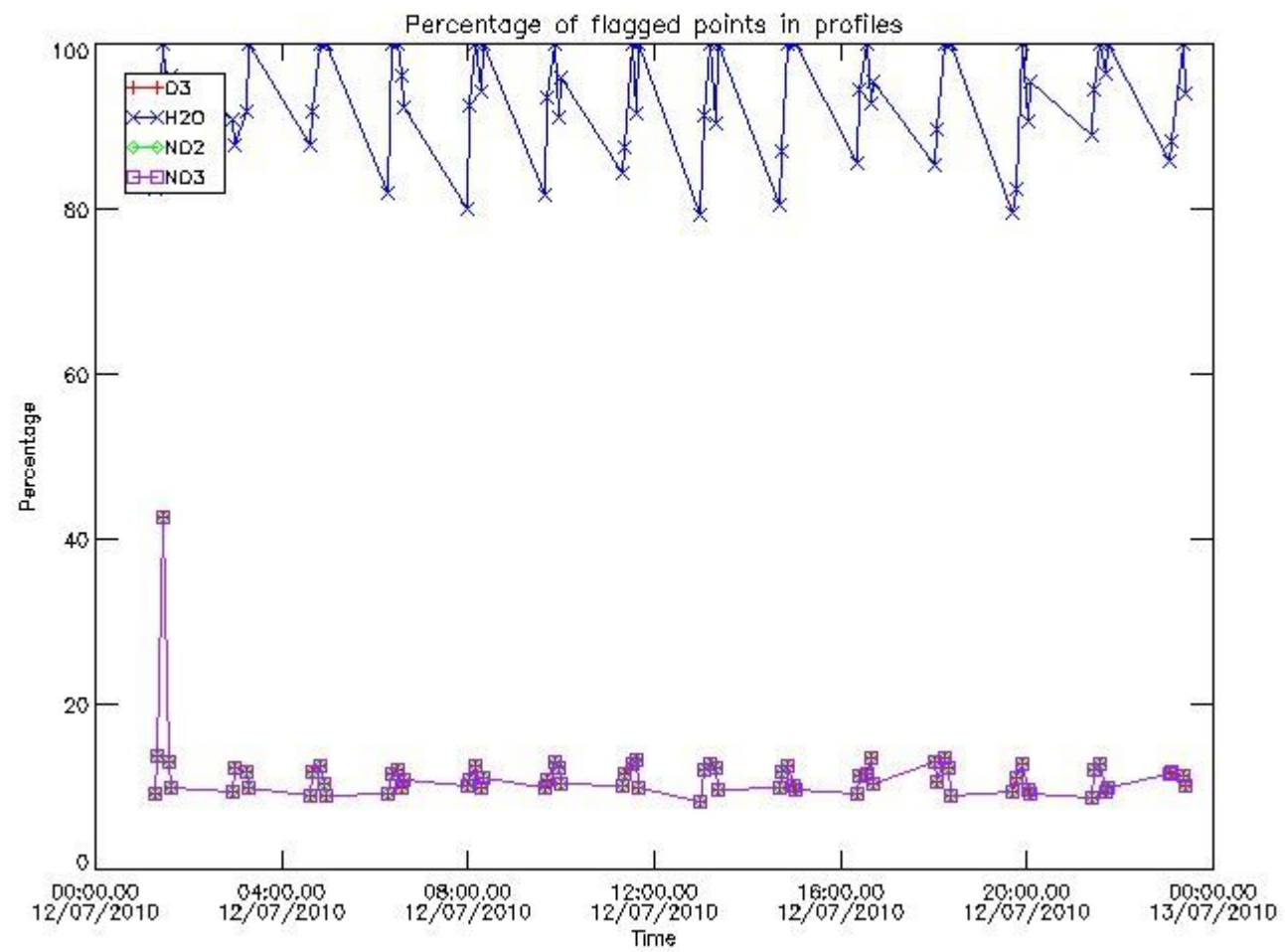
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100712_000155_000000612091_00088_43729_0907.N1	12-JUL-2010 00:01:55	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	43729	No
2	GOM_NL__2PRFIN20100712_000337_000000592091_00088_43729_0908.N1	12-JUL-2010 00:03:37	Straylight	58.500	31	Alp Gru	1.7340	15200.	117	43729	No
3	GOM_NL__2PRFIN20100712_000648_000000532091_00088_43729_0909.N1	12-JUL-2010 00:06:48	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43729	No
4	GOM_NL__2PRFIN20100712_001401_000000442091_00088_43729_0910.N1	12-JUL-2010 00:14:01	Bright	43.500	103	38Zet Sgr	2.6000	9700.0	87	43729	No
5	GOM_NL__2PRFIN20100712_001634_000000412091_00088_43729_0911.N1	12-JUL-2010 00:16:34	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43729	No
6	GOM_NL__2PRFIN20100712_002737_000000402091_00088_43729_0912.N1	12-JUL-2010 00:27:37	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43729	No
7	GOM_NL__2PRFIN20100712_003441_000000402091_00088_43729_0913.N1	12-JUL-2010 00:34:41	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	43729	No
8	GOM_NL__2PRFIN20100712_003753_000000342091_00088_43729_0914.N1	12-JUL-2010 00:37:53	Bright	33.500	69	33Gam Dra	2.2310	3800.0	67	43729	No
9	GOM_NL__2PRFIN20100712_004530_000000452091_00088_43729_0915.N1	12-JUL-2010 00:45:30	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43729	No
10	GOM_NL__2PRFIN20100712_005414_000000472091_00088_43729_0916.N1	12-JUL-2010 00:54:14	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43729	No
11	GOM_NL__2PRFIN20100712_005854_000000412091_00088_43729_0917.N1	12-JUL-2010 00:58:54	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43729	No
12	GOM_NL__2PRFIN20100712_010011_000000422091_00088_43729_0918.N1	12-JUL-2010 01:00:11	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43729	No
13	GOM_NL__2PRFIN20100712_010303_000000442091_00088_43729_0919.N1	12-JUL-2010 01:03:03	Bright	43.500	79	26Bet Per	2.3100	13100.	87	43729	No
14	GOM_NL__2PRFIN20100712_010547_000000452091_00088_43729_0920.N1	12-JUL-2010 01:05:47	Bright	44.500	150	44Zet Per	2.8900	28000.	89	43729	No
15	GOM_NL__2PRFIN20100712_010816_000000442091_00088_43729_0921.N1	12-JUL-2010 01:08:16	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43729	No
16	GOM_NL__2PRFIN20100712_011544_000000612091_00088_43729_0922.N1	12-JUL-2010 01:15:44	Dark	60.500	94	92Alp Cet	2.5260	3100.0	121	43729	No
17	GOM_NL__2PRFIN20100712_011901_000000412091_00088_43729_0923.N1	12-JUL-2010 01:19:01	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	43729	No
18	GOM_NL__2PRFIN20100712_012750_000000422091_00088_43729_0924.N1	12-JUL-2010 01:27:50	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43729	No
19	GOM_NL__2PRFIN20100712_013402_000000402091_00089_43730_0928.N1	12-JUL-2010 01:34:02	Dark	39.500	9	Alp Eri	0.45300	24000.	79	43730	No
20	GOM_NL__2PRFIN20100712_013627_000000522091_00089_43730_0929.N1	12-JUL-2010 01:36:27	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43730	No
21	GOM_NL__2PRFIN20100712_014232_000000622091_00089_43730_0930.N1	12-JUL-2010 01:42:32	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	43730	No
22	GOM_NL__2PRFIN20100712_014414_000000492091_00089_43730_0931.N1	12-JUL-2010 01:44:14	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43730	No
23	GOM_NL__2PRFIN20100712_014725_000000542091_00089_43730_0932.N1	12-JUL-2010 01:47:25	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	43730	No
24	GOM_NL__2PRFIN20100712_015437_000000422091_00089_43730_0933.N1	12-JUL-2010 01:54:37	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	43730	No
25	GOM_NL__2PRFIN20100712_015710_000000422091_00089_43730_0934.N1	12-JUL-2010 01:57:10	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43730	No
26	GOM_NL__2PRFIN20100712_020813_000000422091_00089_43730_0935.N1	12-JUL-2010 02:08:13	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	43730	No
27	GOM_NL__2PRFIN20100712_021516_000000442091_00089_43730_0936.N1	12-JUL-2010 02:15:16	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	43730	No
28	GOM_NL__2PRFIN20100712_021829_000000382091_00089_43730_0937.N1	12-JUL-2010 02:18:29	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	43730	No
29	GOM_NL__2PRFIN20100712_022605_000000432091_00089_43730_0938.N1	12-JUL-2010 02:26:05	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43730	No
30	GOM_NL__2PRFIN20100712_023449_000000482091_00089_43730_0939.N1	12-JUL-2010 02:34:49	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43730	No
31	GOM_NL__2PRFIN20100712_023930_000000412091_00089_43730_0940.N1	12-JUL-2010 02:39:30	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43730	No
32	GOM_NL__2PRFIN20100712_024047_000000422091_00089_43730_0941.N1	12-JUL-2010 02:40:47	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43730	No
33	GOM_NL__2PRFIN20100712_024339_000000432091_00089_43730_0942.N1	12-JUL-2010 02:43:39	Bright	43.000	79	26Bet Per	2.3100	13100.	86	43730	No
34	GOM_NL__2PRFIN20100712_024623_000000422091_00089_43730_0943.N1	12-JUL-2010 02:46:23	Bright	41.500	150	44Zet Per	2.8900	28000.	83	43730	No
35	GOM_NL__2PRFIN20100712_024851_000000452091_00089_43730_0944.N1	12-JUL-2010 02:48:51	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43730	No
36	GOM_NL__2PRFIN20100712_025620_000000552091_00089_43730_0945.N1	12-JUL-2010 02:56:20	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	43730	No
37	GOM_NL__2PRFIN20100712_025937_000000422091_00089_43730_0946.N1	12-JUL-2010 02:59:37	Dark	41.500	165	34Gam Eri	2.9500	3200.0	83	43730	No
38	GOM_NL__2PRFIN20100712_031438_000000442091_00090_43731_0938.N1	12-JUL-2010 03:14:38	Dark	43.500	9	Alp Eri	0.45300	24000.	87	43731	No
39	GOM_NL__2PRFIN20100712_031704_000000522091_00090_43731_0939.N1	12-JUL-2010 03:17:04	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43731	No
40	GOM_NL__2PRFIN20100712_032309_000000532091_00090_43731_0940.N1	12-JUL-2010 03:23:09	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43731	No
41	GOM_NL__2PRFIN20100712_032451_000000522091_00090_43731_0941.N1	12-JUL-2010 03:24:51	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43731	No
42	GOM_NL__2PRFIN20100712_032802_000000572091_00090_43731_0942.N1	12-JUL-2010 03:28:02	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43731	No

279	GOM_NL__2PRFIN20100712_233523_000000522091_00102_43743_1588.N1	12-JUL-2010 23:35:23	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43743	No
280	GOM_NL__2PRFIN20100712_234228_000000522091_00102_43743_1589.N1	12-JUL-2010 23:42:28	Bright	52.000	103	38Zet Sgr	2.6000	9700.0	104	43743	No
281	GOM_NL__2PRFIN20100712_234500_000000412091_00102_43743_1590.N1	12-JUL-2010 23:45:00	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43743	No
282	GOM_NL__2PRFIN20100712_235557_000000422091_00102_43743_1591.N1	12-JUL-2010 23:55:57	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43743	No

3. Quality information per product

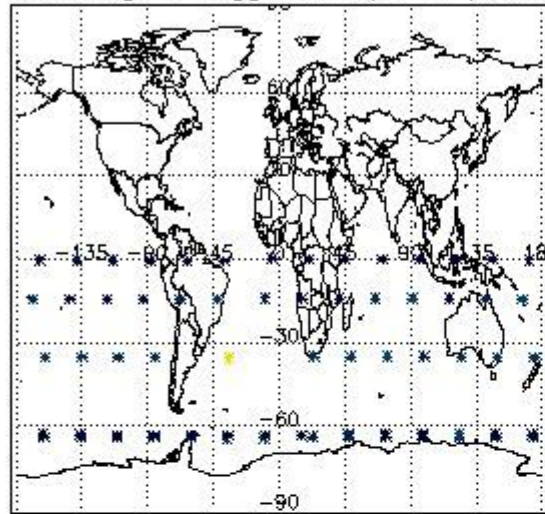
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

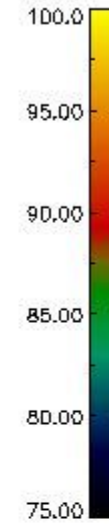
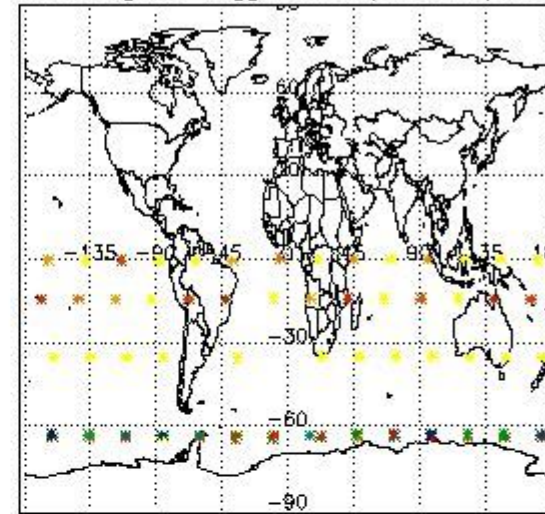


3.2 Plot quality information per product (world map)

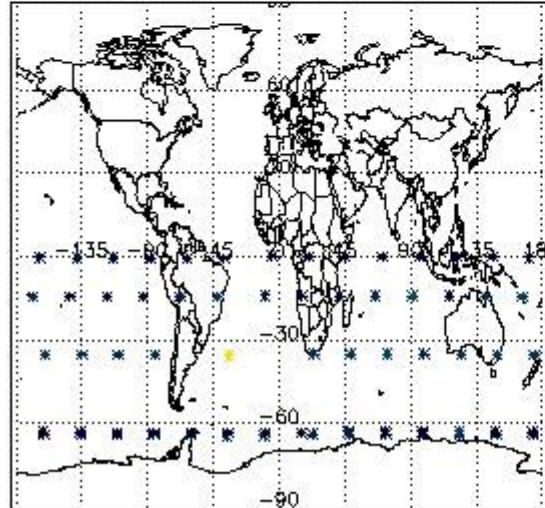
Percentage of flagged data per O3 profile



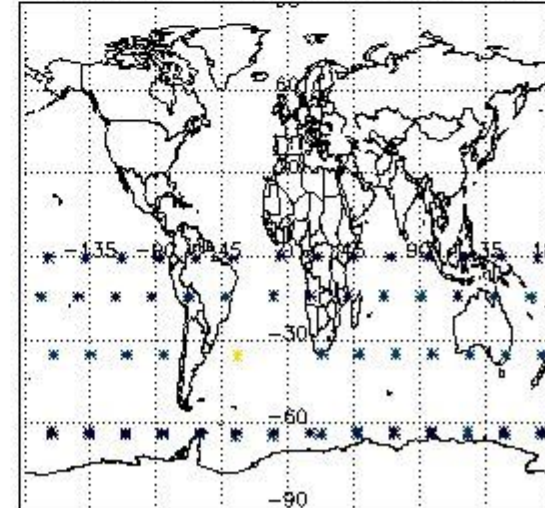
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

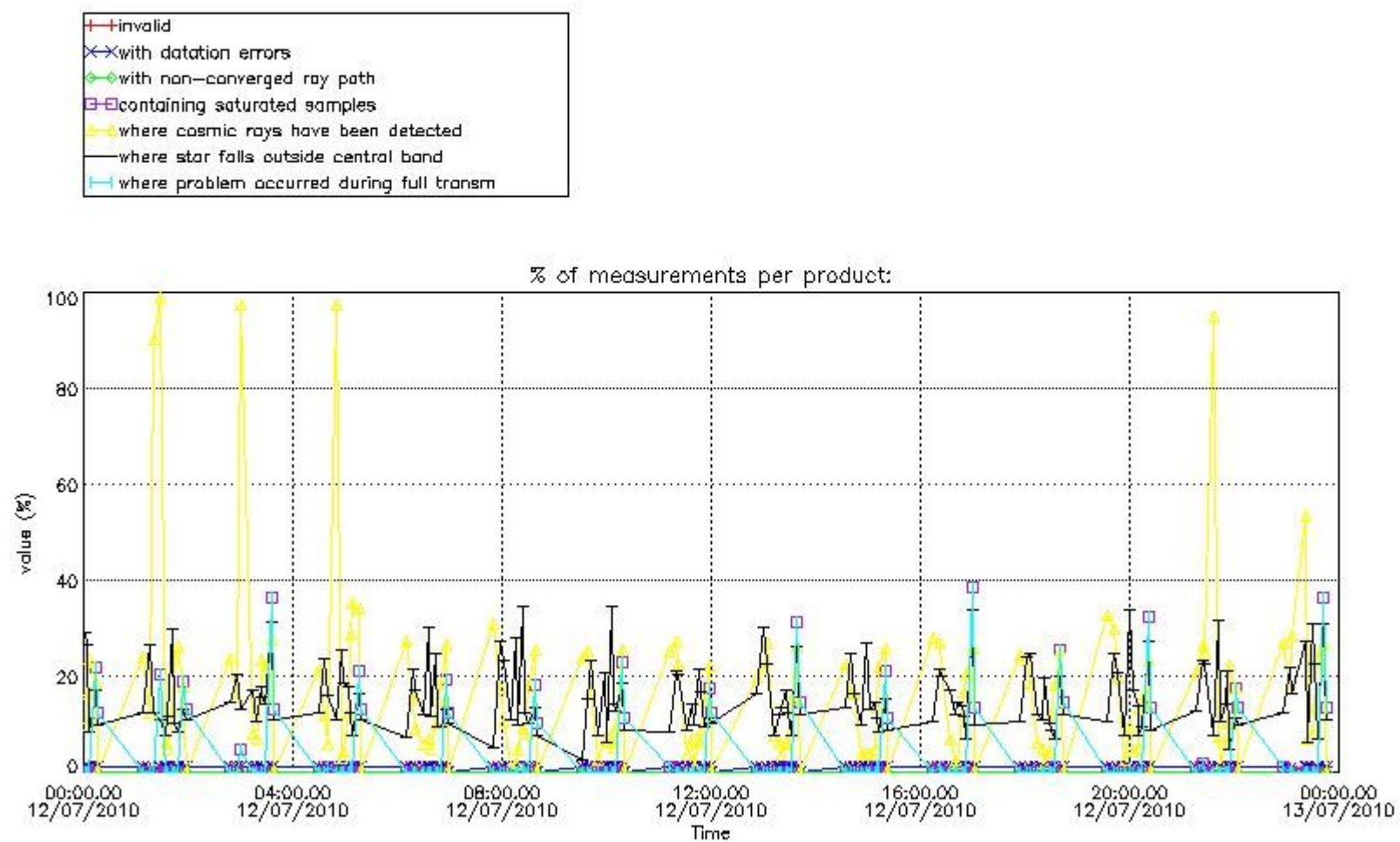


4. Level 1 quality information per product

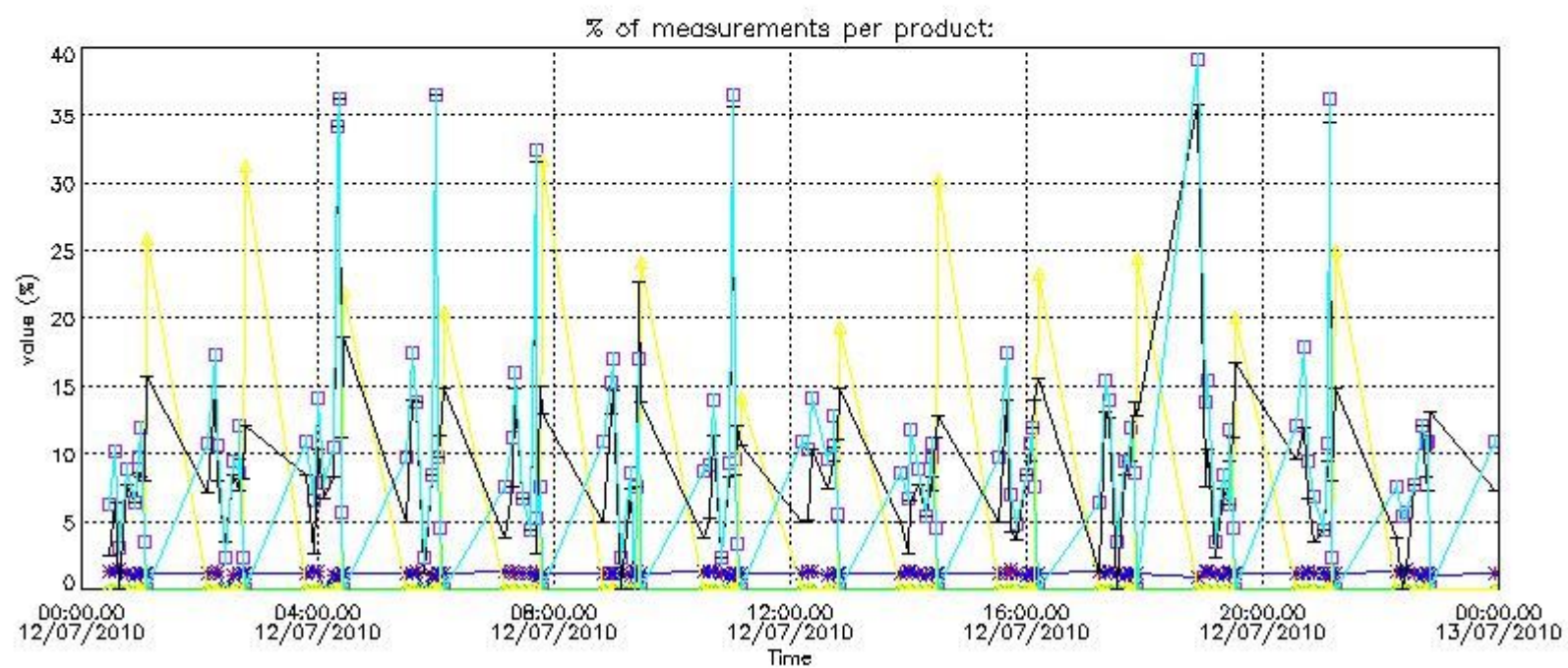
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



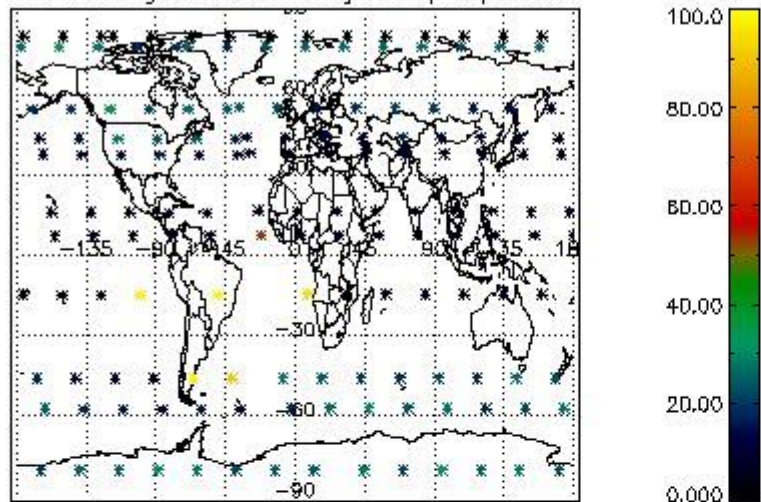
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



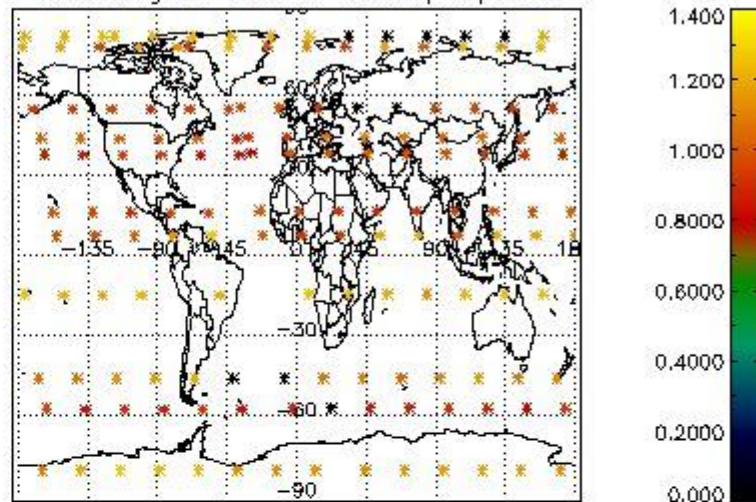
4.2 Plot quality information per product coming from level 1b processing (world map)

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

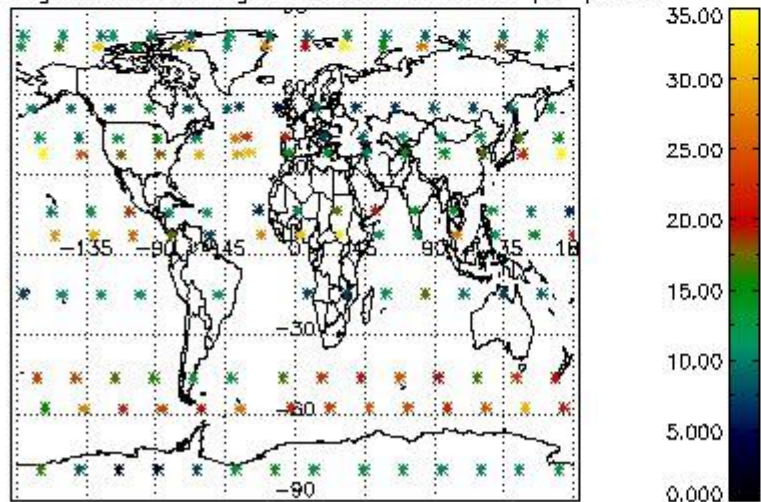
Percentage of cosmic ray hits per profile



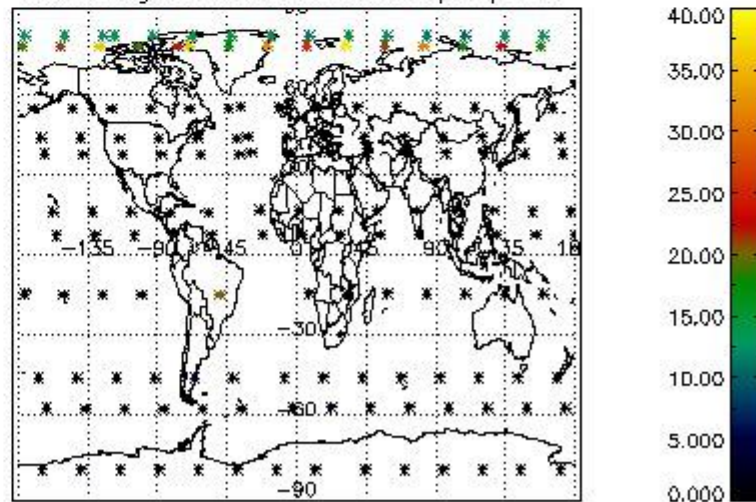
Percentage of datation errors per profile



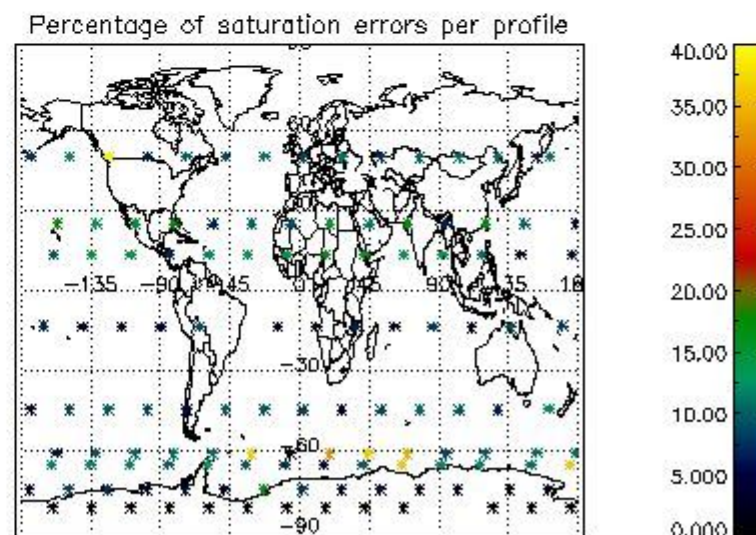
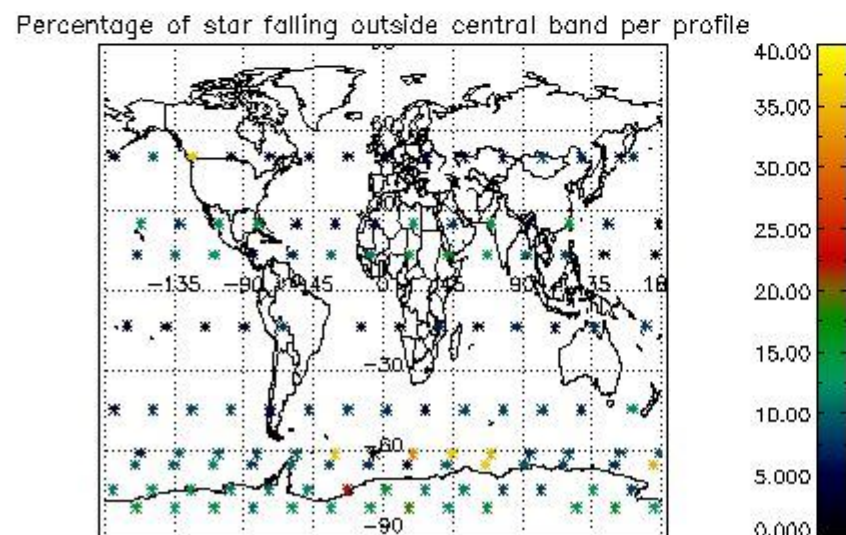
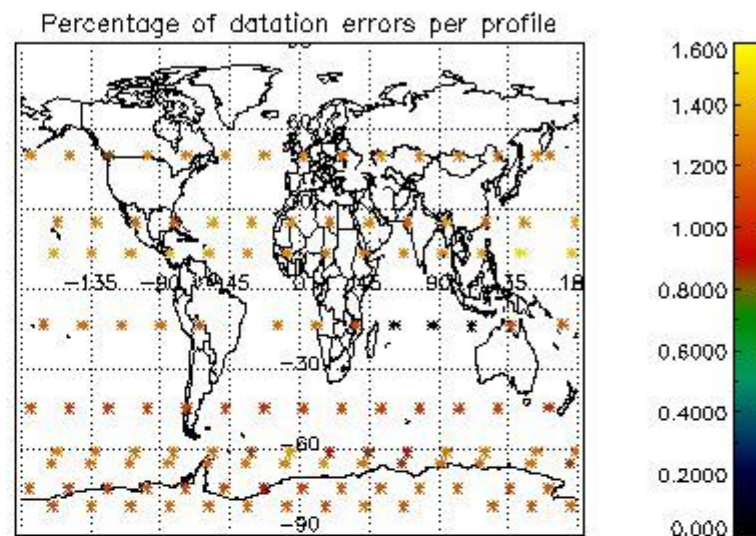
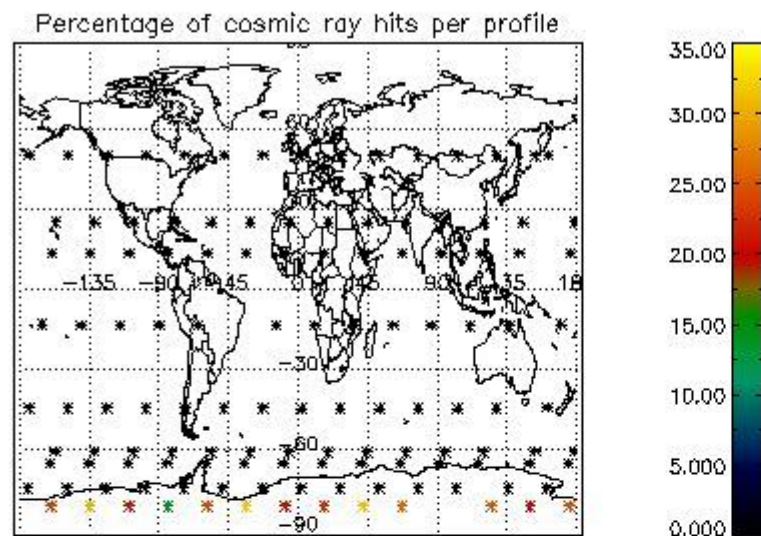
Percentage of star falling outside central band per profile



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

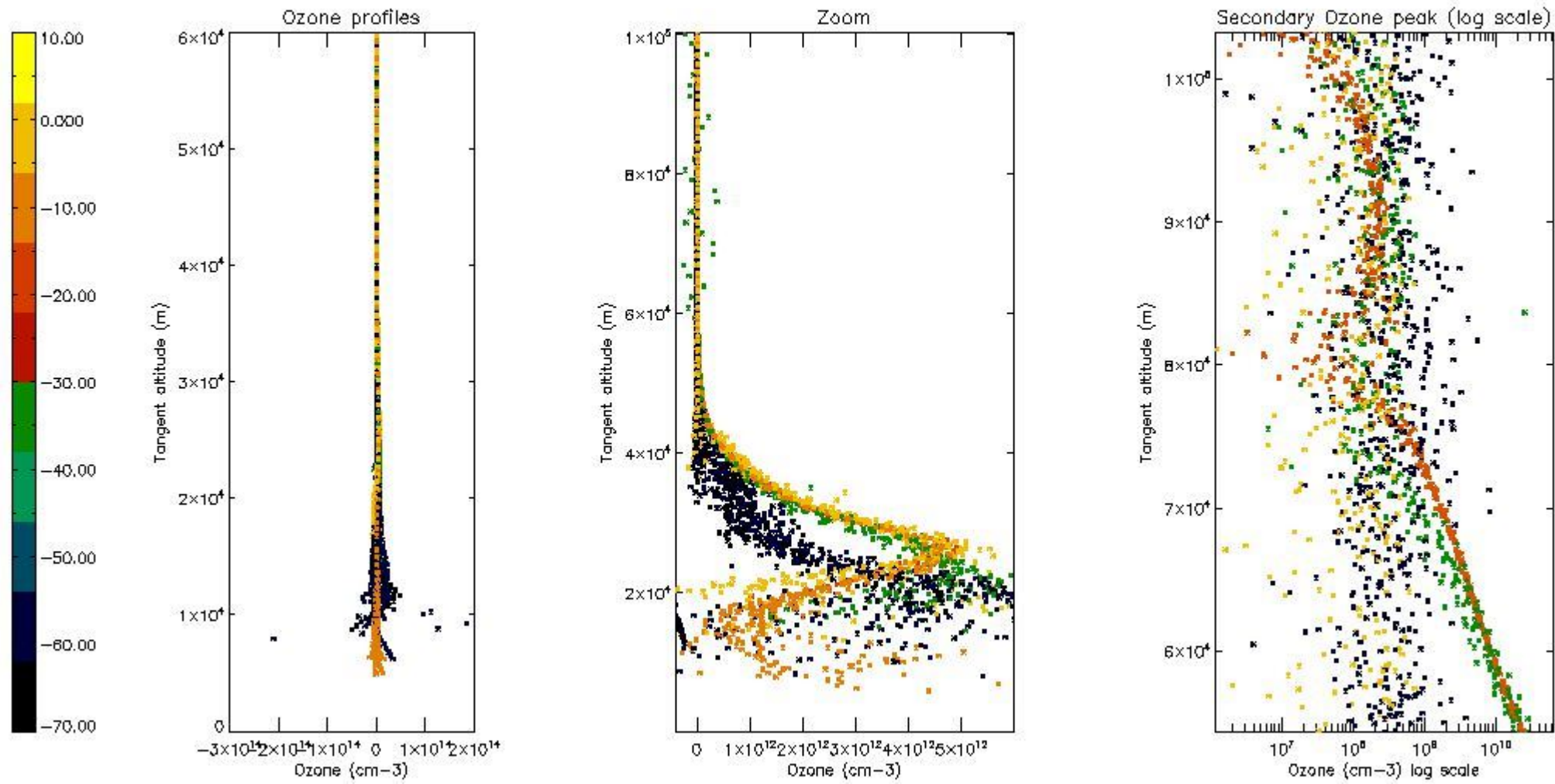
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	9

STD < 10	5
STD < 5	3

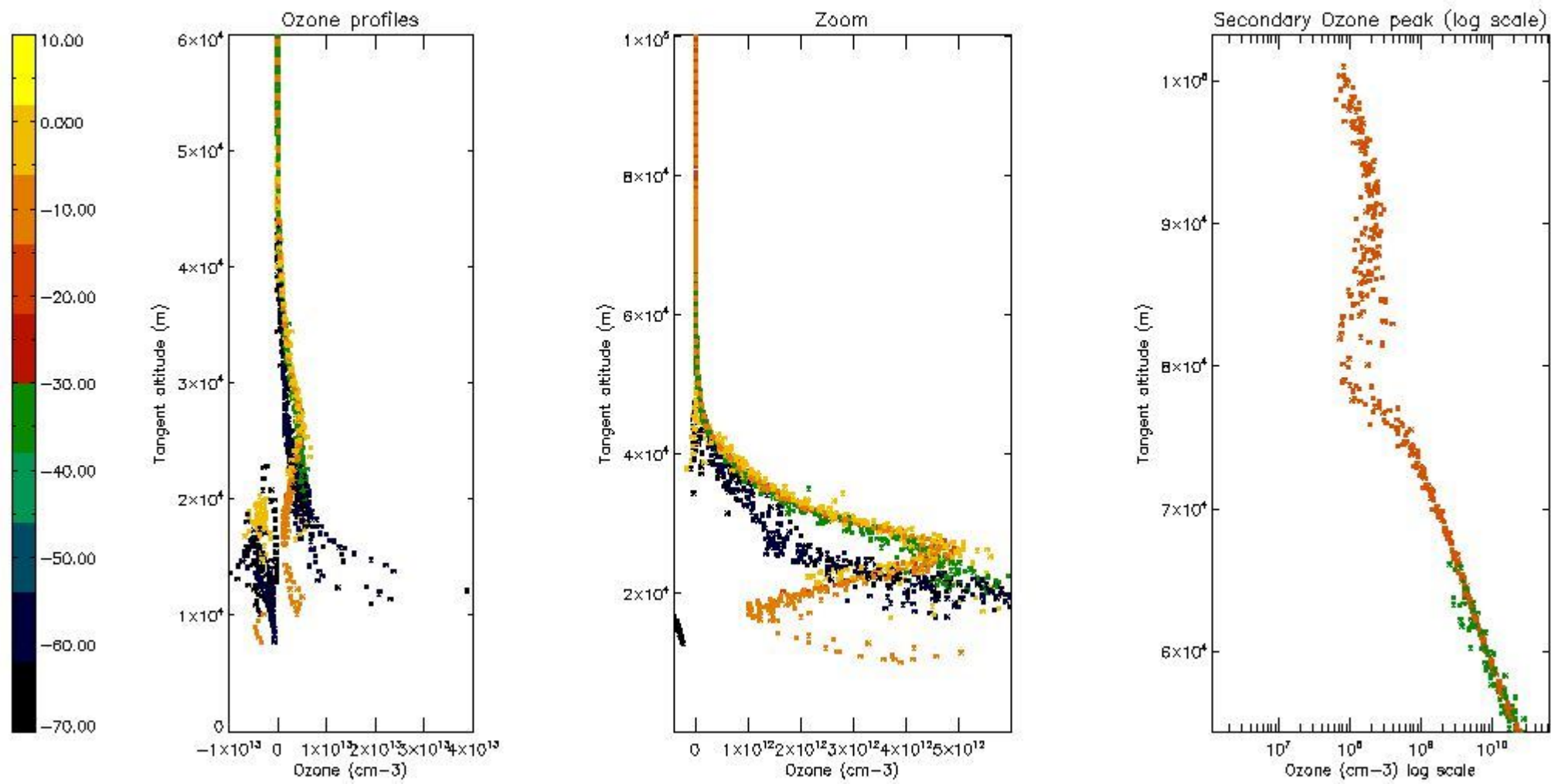
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



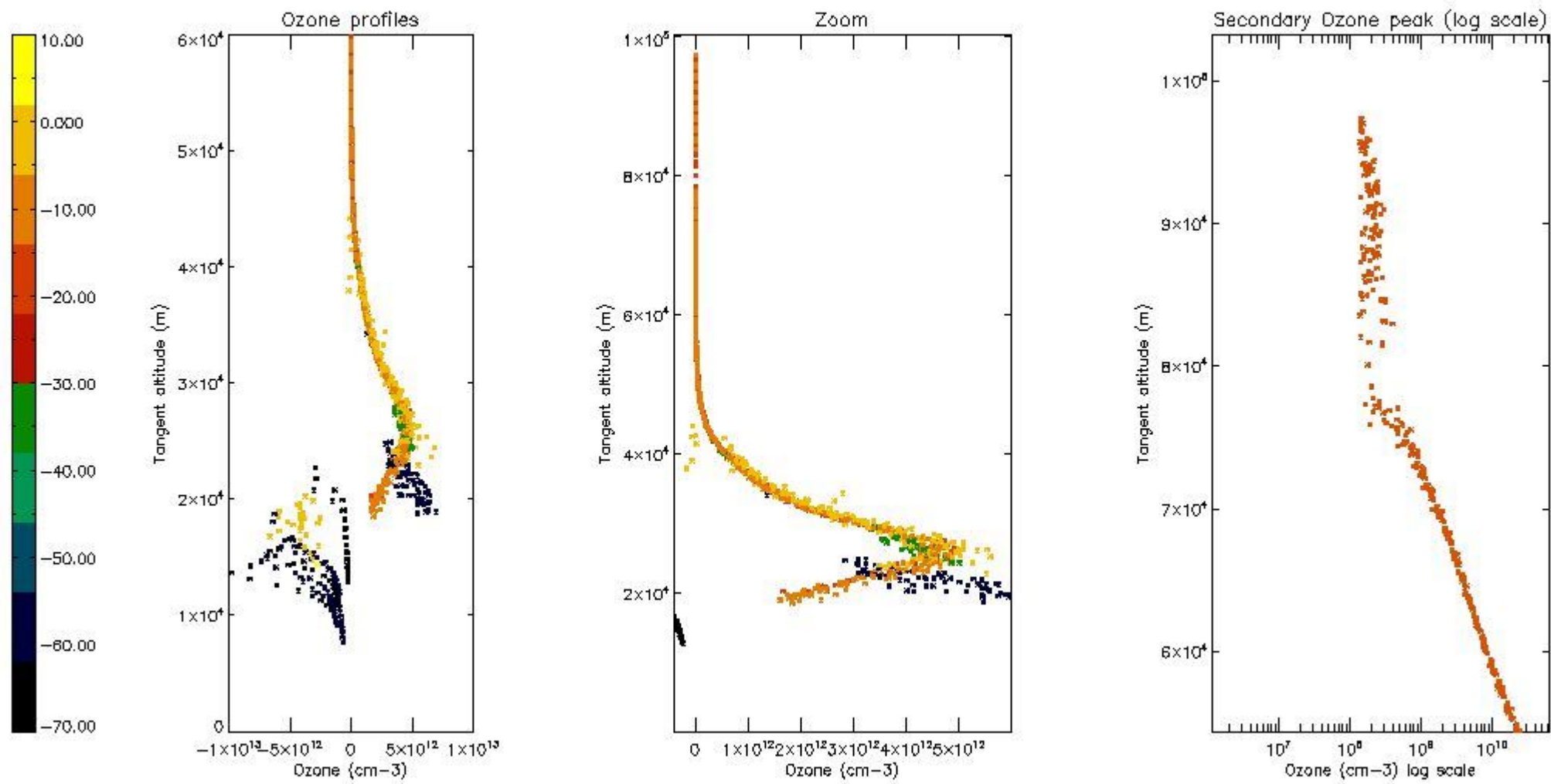
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



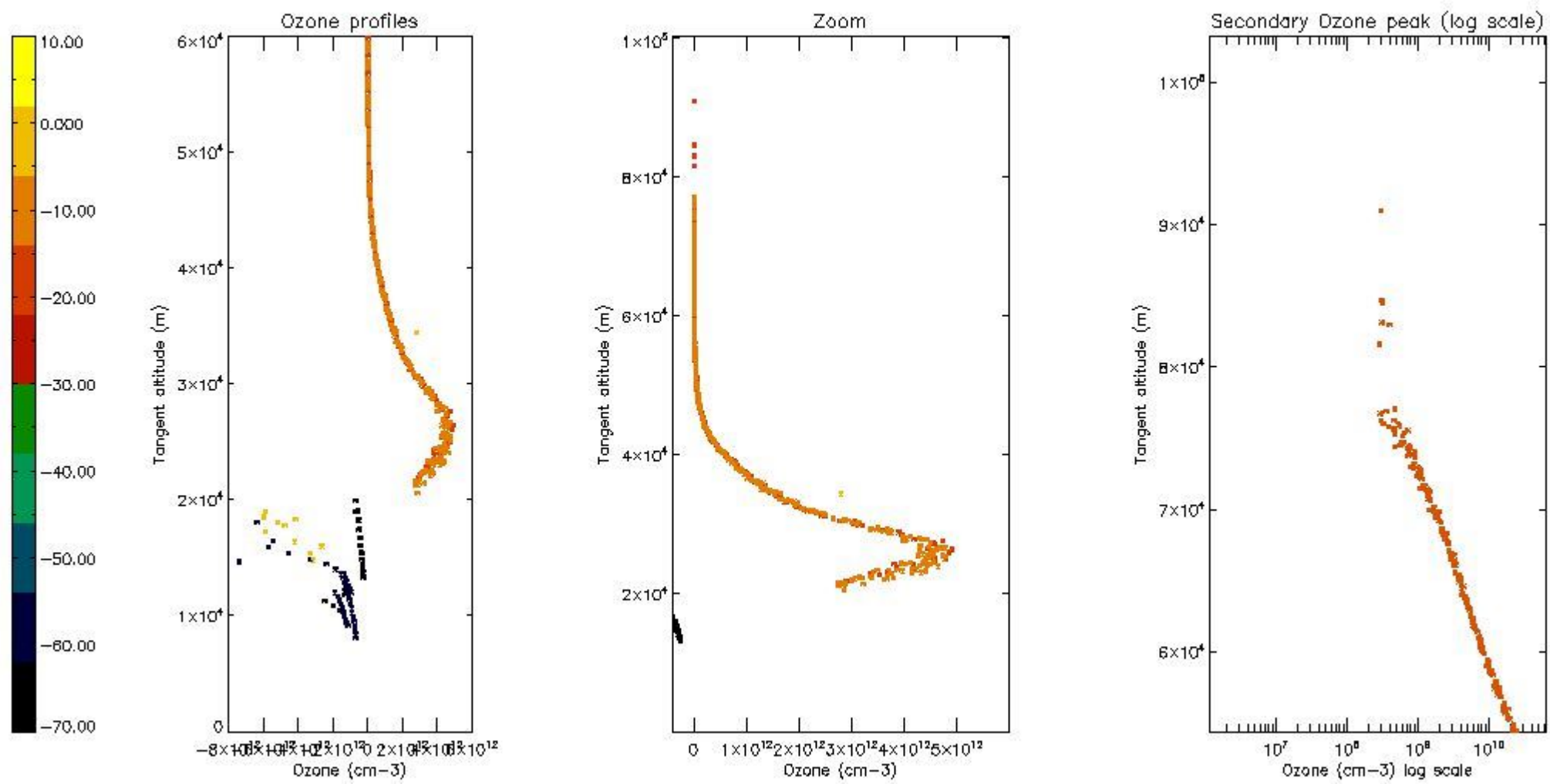
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



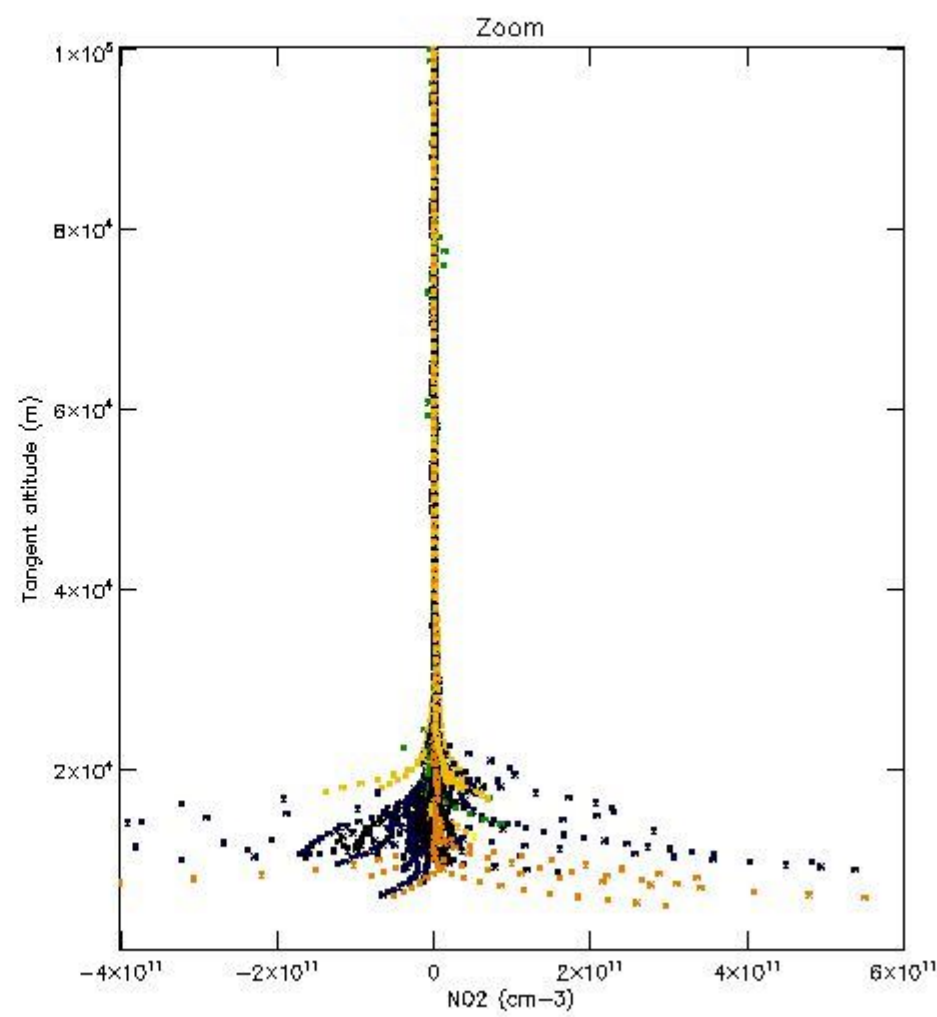
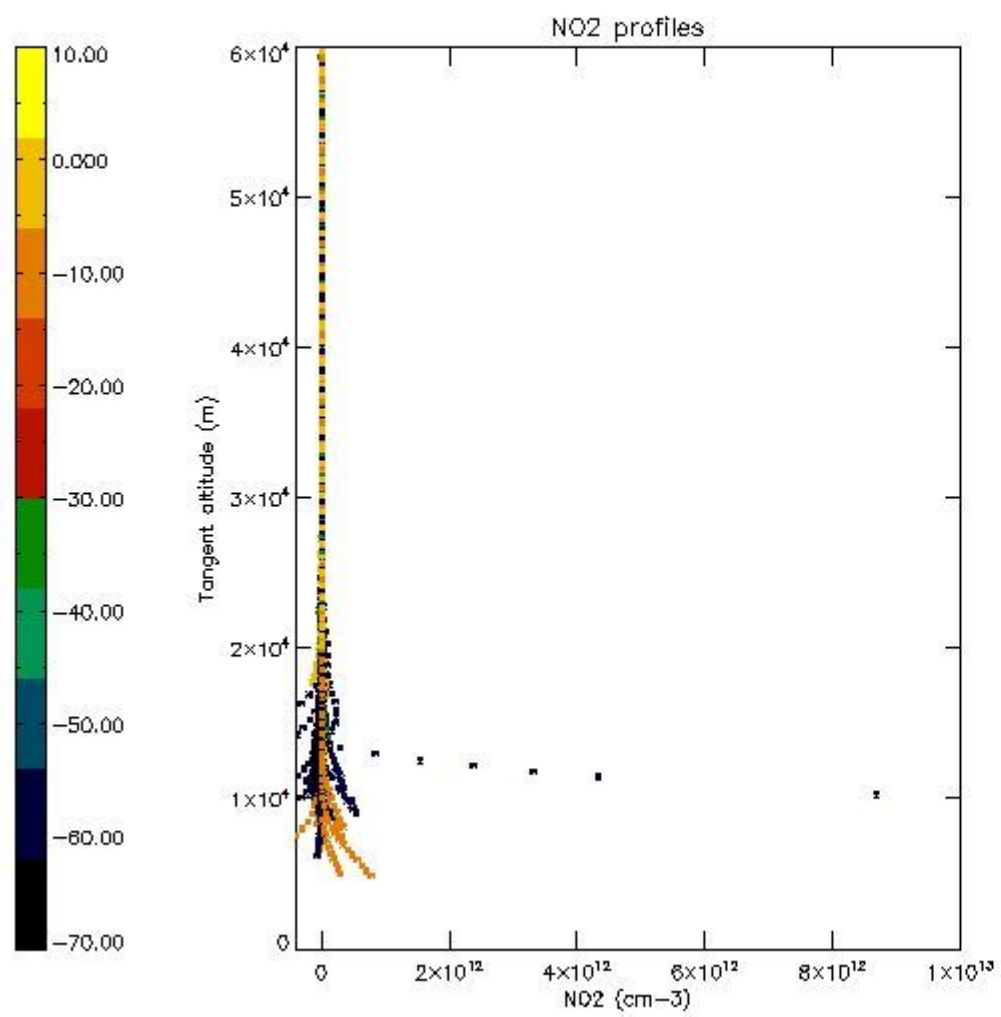
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



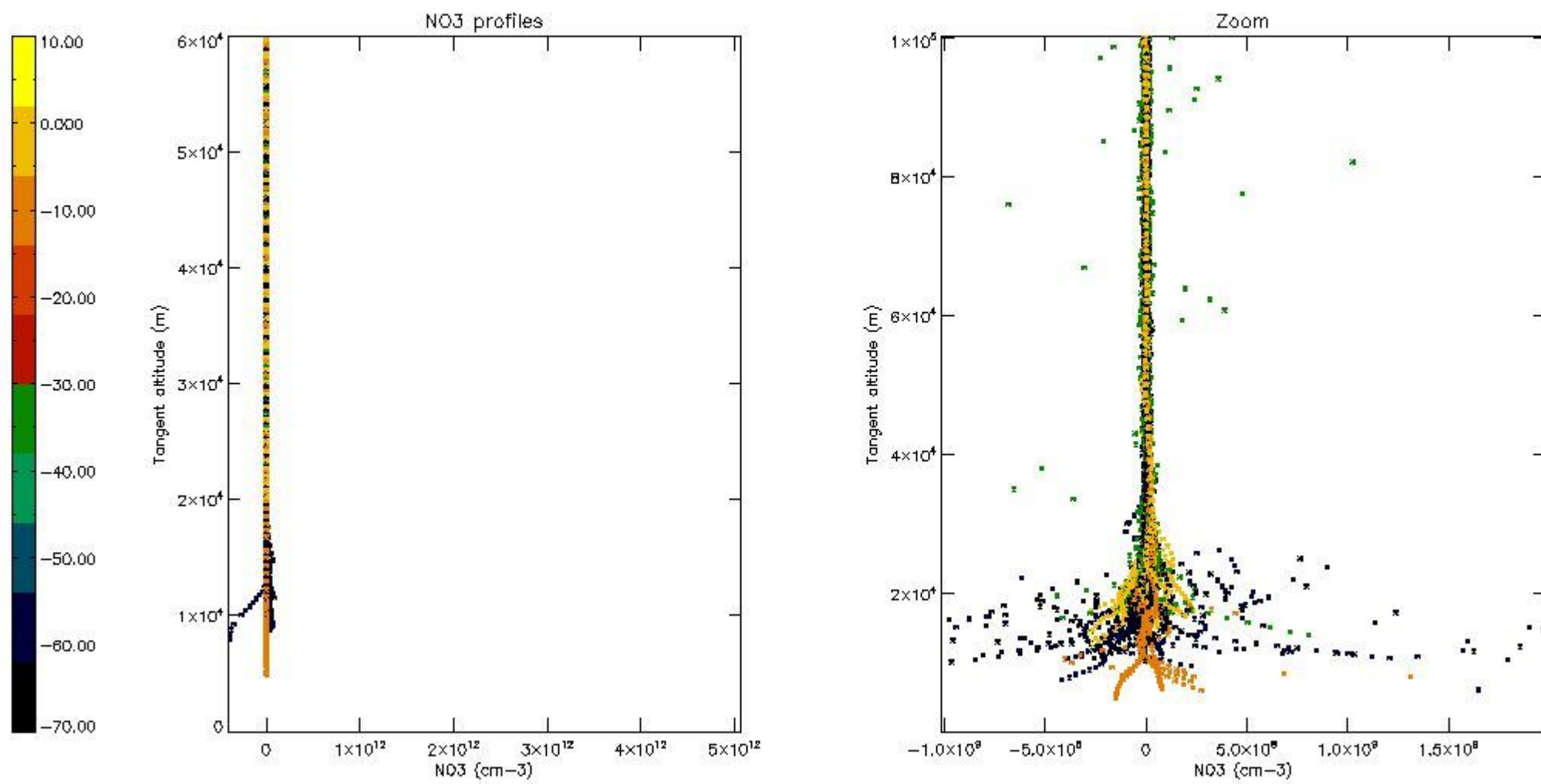
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



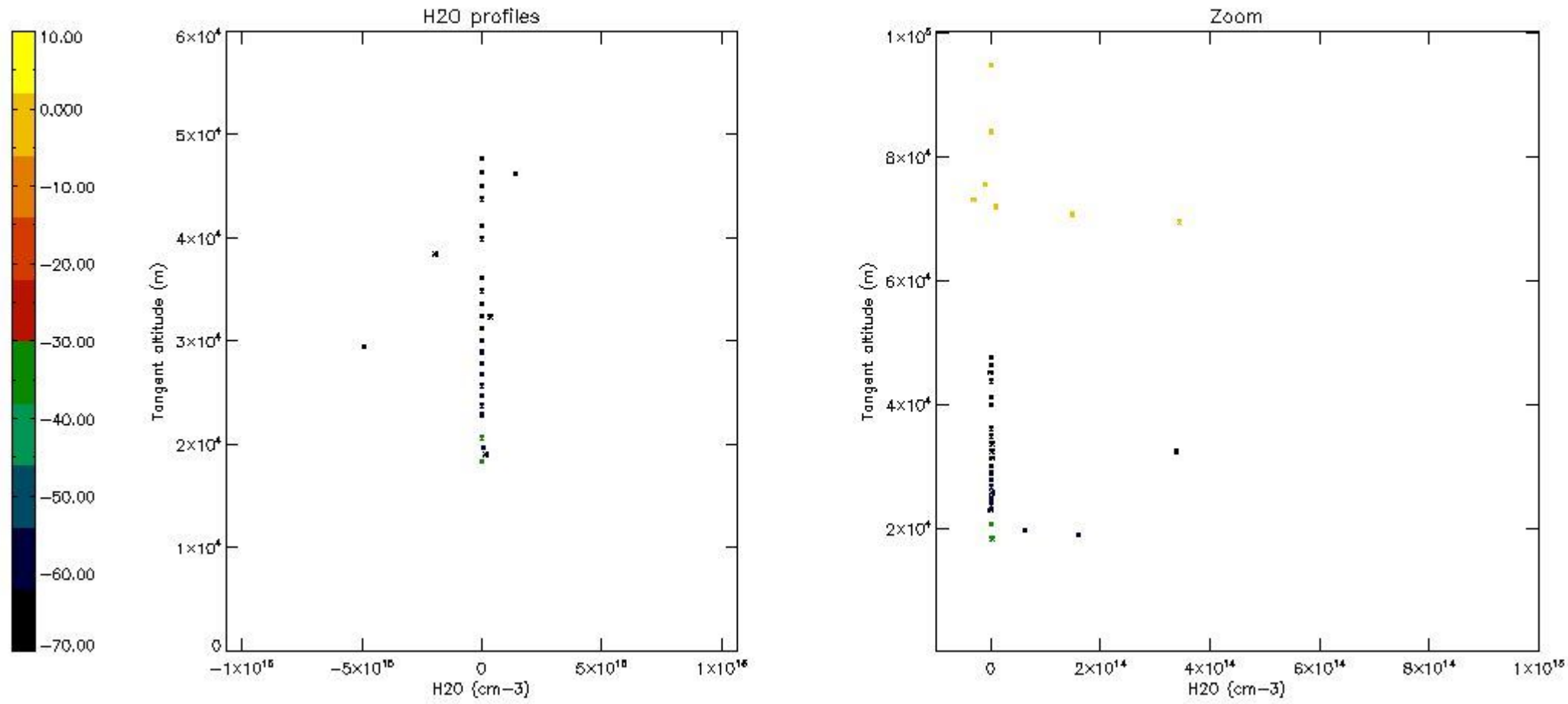
5.7 Plot NO3 profiles for all STD (dark without errors)

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	12-JUL-2010 00:01:55
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUL-2010 00:01:55
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUL-2010 00:01:55

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Store outputs in DB	Yes
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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__2PRFIN20100712_000155_000000612091_00088_43729_0907.N1	12-JUL-2010 00:01:55	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	43729	No
2	GOM_NL__2PRFIN20100712_000337_000000592091_00088_43729_0908.N1	12-JUL-2010 00:03:37	Straylight	58.500	31	Alp Gru	1.7340	15200.	117	43729	No
3	GOM_NL__2PRFIN20100712_000648_000000532091_00088_43729_0909.N1	12-JUL-2010 00:06:48	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43729	No
4	GOM_NL__2PRFIN20100712_001401_000000442091_00088_43729_0910.N1	12-JUL-2010 00:14:01	Bright	43.500	103	38Zet Sgr	2.6000	9700.0	87	43729	No
5	GOM_NL__2PRFIN20100712_001634_000000412091_00088_43729_0911.N1	12-JUL-2010 00:16:34	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43729	No
6	GOM_NL__2PRFIN20100712_002737_000000402091_00088_43729_0912.N1	12-JUL-2010 00:27:37	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43729	No
7	GOM_NL__2PRFIN20100712_003441_000000402091_00088_43729_0913.N1	12-JUL-2010 00:34:41	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	43729	No
8	GOM_NL__2PRFIN20100712_003753_000000342091_00088_43729_0914.N1	12-JUL-2010 00:37:53	Bright	33.500	69	33Gam Dra	2.2310	3800.0	67	43729	No
9	GOM_NL__2PRFIN20100712_004530_000000452091_00088_43729_0915.N1	12-JUL-2010 00:45:30	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43729	No
10	GOM_NL__2PRFIN20100712_005414_000000472091_00088_43729_0916.N1	12-JUL-2010 00:54:14	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43729	No
11	GOM_NL__2PRFIN20100712_005854_000000412091_00088_43729_0917.N1	12-JUL-2010 00:58:54	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43729	No
12	GOM_NL__2PRFIN20100712_010011_000000422091_00088_43729_0918.N1	12-JUL-2010 01:00:11	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43729	No
13	GOM_NL__2PRFIN20100712_010303_000000442091_00088_43729_0919.N1	12-JUL-2010 01:03:03	Bright	43.500	79	26Bet Per	2.3100	13100.	87	43729	No
14	GOM_NL__2PRFIN20100712_010547_000000452091_00088_43729_0920.N1	12-JUL-2010 01:05:47	Bright	44.500	150	44Zet Per	2.8900	28000.	89	43729	No
15	GOM_NL__2PRFIN20100712_010816_000000442091_00088_43729_0921.N1	12-JUL-2010 01:08:16	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43729	No
16	GOM_NL__2PRFIN20100712_011544_000000612091_00088_43729_0922.N1	12-JUL-2010 01:15:44	Dark	60.500	94	92Alp Cet	2.5260	3100.0	121	43729	No
17	GOM_NL__2PRFIN20100712_011901_000000412091_00088_43729_0923.N1	12-JUL-2010 01:19:01	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	43729	No
18	GOM_NL__2PRFIN20100712_012750_000000422091_00088_43729_0924.N1	12-JUL-2010 01:27:50	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43729	No
19	GOM_NL__2PRFIN20100712_013402_000000402091_00089_43730_0928.N1	12-JUL-2010 01:34:02	Dark	39.500	9	Alp Eri	0.45300	24000.	79	43730	No
20	GOM_NL__2PRFIN20100712_013627_000000522091_00089_43730_0929.N1	12-JUL-2010 01:36:27	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43730	No
21	GOM_NL__2PRFIN20100712_014232_000000622091_00089_43730_0930.N1	12-JUL-2010 01:42:32	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	43730	No
22	GOM_NL__2PRFIN20100712_014414_000000492091_00089_43730_0931.N1	12-JUL-2010 01:44:14	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43730	No
23	GOM_NL__2PRFIN20100712_014725_000000542091_00089_43730_0932.N1	12-JUL-2010 01:47:25	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	43730	No
24	GOM_NL__2PRFIN20100712_015437_000000422091_00089_43730_0933.N1	12-JUL-2010 01:54:37	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	43730	No
25	GOM_NL__2PRFIN20100712_015710_000000422091_00089_43730_0934.N1	12-JUL-2010 01:57:10	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43730	No
26	GOM_NL__2PRFIN20100712_020813_000000422091_00089_43730_0935.N1	12-JUL-2010 02:08:13	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	43730	No
27	GOM_NL__2PRFIN20100712_021516_000000442091_00089_43730_0936.N1	12-JUL-2010 02:15:16	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	43730	No
28	GOM_NL__2PRFIN20100712_021829_000000382091_00089_43730_0937.N1	12-JUL-2010 02:18:29	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	43730	No
29	GOM_NL__2PRFIN20100712_022605_000000432091_00089_43730_0938.N1	12-JUL-2010 02:26:05	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43730	No
30	GOM_NL__2PRFIN20100712_023449_000000482091_00089_43730_0939.N1	12-JUL-2010 02:34:49	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43730	No
31	GOM_NL__2PRFIN20100712_023930_000000412091_00089_43730_0940.N1	12-JUL-2010 02:39:30	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43730	No
32	GOM_NL__2PRFIN20100712_024047_000000422091_00089_43730_0941.N1	12-JUL-2010 02:40:47	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43730	No
33	GOM_NL__2PRFIN20100712_024339_000000432091_00089_43730_0942.N1	12-JUL-2010 02:43:39	Bright	43.000	79	26Bet Per	2.3100	13100.	86	43730	No
34	GOM_NL__2PRFIN20100712_024623_000000422091_00089_43730_0943.N1	12-JUL-2010 02:46:23	Bright	41.500	150	44Zet Per	2.8900	28000.	83	43730	No
35	GOM_NL__2PRFIN20100712_024851_000000452091_00089_43730_0944.N1	12-JUL-2010 02:48:51	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43730	No
36	GOM_NL__2PRFIN20100712_025620_000000552091_00089_43730_0945.N1	12-JUL-2010 02:56:20	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	43730	No
37	GOM_NL__2PRFIN20100712_025937_000000422091_00089_43730_0946.N1	12-JUL-2010 02:59:37	Dark	41.500	165	34Gam Eri	2.9500	3200.0	83	43730	No
38	GOM_NL__2PRFIN20100712_031438_000000442091_00090_43731_0938.N1	12-JUL-2010 03:14:38	Dark	43.500	9	Alp Eri	0.45300	24000.	87	43731	No
39	GOM_NL__2PRFIN20100712_031704_000000522091_00090_43731_0939.N1	12-JUL-2010 03:17:04	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43731	No
40	GOM_NL__2PRFIN20100712_032309_000000532091_00090_43731_0940.N1	12-JUL-2010 03:23:09	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43731	No
41	GOM_NL__2PRFIN20100712_032451_000000522091_00090_43731_0941.N1	12-JUL-2010 03:24:51	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43731	No
42	GOM_NL__2PRFIN20100712_032802_000000572091_00090_43731_0942.N1	12-JUL-2010 03:28:02	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43731	No

161	GOM_NL__2PRFIN20100712_133142_000000532091_00096_43737_1450.N1	12-JUL-2010 13:31:42	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	43737	No
162	GOM_NL__2PRFIN20100712_133850_000000502091_00096_43737_1451.N1	12-JUL-2010 13:38:50	Bright	49.500	103	38Zet Sgr	2.6000	9700.0	99	43737	No
163	GOM_NL__2PRFIN20100712_134123_000000422091_00096_43737_1452.N1	12-JUL-2010 13:41:23	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43737	No
164	GOM_NL__2PRFIN20100712_135222_000000412091_00096_43737_1453.N1	12-JUL-2010 13:52:22	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	43737	No
165	GOM_NL__2PRFIN20100712_135926_000000382091_00096_43737_1454.N1	12-JUL-2010 13:59:26	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	43737	No
166	GOM_NL__2PRFIN20100712_140240_000000382091_00096_43737_1455.N1	12-JUL-2010 14:02:40	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	43737	No
167	GOM_NL__2PRFIN20100712_141012_000000452091_00096_43737_1456.N1	12-JUL-2010 14:10:12	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43737	No
168	GOM_NL__2PRFIN20100712_141857_000000462091_00096_43737_1457.N1	12-JUL-2010 14:18:57	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	43737	No
169	GOM_NL__2PRFIN20100712_142341_000000422091_00096_43737_1458.N1	12-JUL-2010 14:23:41	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43737	No
170	GOM_NL__2PRFIN20100712_142458_000000412091_00096_43737_1459.N1	12-JUL-2010 14:24:58	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	43737	No
171	GOM_NL__2PRFIN20100712_142751_000000452091_00096_43737_1460.N1	12-JUL-2010 14:27:51	Bright	44.500	79	26Bet Per	2.3100	13100.	89	43737	No
172	GOM_NL__2PRFIN20100712_143036_000000432091_00096_43737_1461.N1	12-JUL-2010 14:30:36	Twilight	43.000	150	44Zet Per	2.8900	28000.	86	43737	No
173	GOM_NL__2PRFIN20100712_143305_000000452091_00096_43737_1462.N1	12-JUL-2010 14:33:05	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43737	No
174	GOM_NL__2PRFIN20100712_144037_000000572091_00096_43737_1463.N1	12-JUL-2010 14:40:37	Dark	57.000	94	92Alp Cet	2.5260	3100.0	114	43737	No
175	GOM_NL__2PRFIN20100712_144352_000000432091_00096_43737_1464.N1	12-JUL-2010 14:43:52	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	43737	No
176	GOM_NL__2PRFIN20100712_145243_000000412091_00096_43737_1465.N1	12-JUL-2010 14:52:43	Dark	41.000	157	The1Eri	2.9060	9300.0	82	43737	No
177	GOM_NL__2PRFIN20100712_145854_000000502091_00097_43738_1475.N1	12-JUL-2010 14:58:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	43738	No
178	GOM_NL__2PRFIN20100712_150124_000000532091_00097_43738_1476.N1	12-JUL-2010 15:01:24	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43738	No
179	GOM_NL__2PRFIN20100712_150726_000000522091_00097_43738_1477.N1	12-JUL-2010 15:07:26	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	43738	No
180	GOM_NL__2PRFIN20100712_150908_000000492091_00097_43738_1478.N1	12-JUL-2010 15:09:08	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43738	No
181	GOM_NL__2PRFIN20100712_151219_000000532091_00097_43738_1479.N1	12-JUL-2010 15:12:19	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43738	No
182	GOM_NL__2PRFIN20100712_151927_000000432091_00097_43738_1480.N1	12-JUL-2010 15:19:27	Bright	42.500	103	38Zet Sgr	2.6000	9700.0	85	43738	No
183	GOM_NL__2PRFIN20100712_152159_000000412091_00097_43738_1481.N1	12-JUL-2010 15:21:59	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43738	No
184	GOM_NL__2PRFIN20100712_153258_000000412091_00097_43738_1482.N1	12-JUL-2010 15:32:58	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	43738	No
185	GOM_NL__2PRFIN20100712_154002_000000432091_00097_43738_1483.N1	12-JUL-2010 15:40:02	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43738	No
186	GOM_NL__2PRFIN20100712_154315_000000362091_00097_43738_1484.N1	12-JUL-2010 15:43:15	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	43738	No
187	GOM_NL__2PRFIN20100712_155047_000000422091_00097_43738_1485.N1	12-JUL-2010 15:50:47	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43738	No
188	GOM_NL__2PRFIN20100712_155933_000000482091_00097_43738_1486.N1	12-JUL-2010 15:59:33	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43738	No
189	GOM_NL__2PRFIN20100712_160416_000000422091_00097_43738_1487.N1	12-JUL-2010 16:04:16	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43738	No
190	GOM_NL__2PRFIN20100712_160534_000000422091_00097_43738_1488.N1	12-JUL-2010 16:05:34	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43738	No
191	GOM_NL__2PRFIN20100712_160827_000000472091_00097_43738_1489.N1	12-JUL-2010 16:08:27	Bright	46.500	79	26Bet Per	2.3100	13100.	93	43738	No
192	GOM_NL__2PRFIN20100712_161112_000000452091_00097_43738_1490.N1	12-JUL-2010 16:11:12	Twilight	45.000	150	44Zet Per	2.8900	28000.	90	43738	No
193	GOM_NL__2PRFIN20100712_161341_000000432091_00097_43738_1491.N1	12-JUL-2010 16:13:41	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	43738	No
194	GOM_NL__2PRFIN20100712_162113_000000562091_00097_43738_1492.N1	12-JUL-2010 16:21:13	Dark	55.500	94	92Alp Cet	2.5260	3100.0	111	43738	No
195	GOM_NL__2PRFIN20100712_162429_000000452091_00097_43738_1493.N1	12-JUL-2010 16:24:29	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	43738	No
196	GOM_NL__2PRFIN20100712_163319_000000442091_00097_43738_1494.N1	12-JUL-2010 16:33:19	Dark	44.000	157	The1Eri	2.9060	9300.0	88	43738	No
197	GOM_NL__2PRFIN20100712_163931_000000422091_00098_43739_1505.N1	12-JUL-2010 16:39:31	Dark	41.500	9	Alp Eri	0.45300	24000.	83	43739	No
198	GOM_NL__2PRFIN20100712_164201_000000552091_00098_43739_1506.N1	12-JUL-2010 16:42:01	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	43739	No
199	GOM_NL__2PRFIN20100712_164803_000000512091_00098_43739_1507.N1	12-JUL-2010 16:48:03	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	43739	No
200	GOM_NL__2PRFIN20100712_164945_000000482091_00098_43739_1508.N1	12-JUL-2010 16:49:45	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43739	No
201	GOM_NL__2PRFIN20100712_165256_000000522091_00098_43739_1509.N1	12-JUL-2010 16:52:56	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43739	No
202	GOM_NL__2PRFIN20100712_170003_000000552091_00098_43739_1510.N1	12-JUL-2010 17:00:03	Bright	54.500	103	38Zet Sgr	2.6000	9700.0	109	43739	No
203	GOM_NL__2PRFIN20100712_170235_000000412091_00098_43739_1511.N1	12-JUL-2010 17:02:35	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43739	No
204	GOM_NL__2PRFIN20100712_171334_000000402091_00098_43739_1512.N1	12-JUL-2010 17:13:34	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43739	No
205	GOM_NL__2PRFIN20100712_172038_000000422091_00098_43739_1513.N1	12-JUL-2010 17:20:38	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43739	No
206	GOM_NL__2PRFIN20100712_172352_000000402091_00098_43739_1514.N1	12-JUL-2010 17:23:52	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	43739	No
207	GOM_NL__2PRFIN20100712_173123_000000432091_00098_43739_1515.N1	12-JUL-2010 17:31:23	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43739	No
208	GOM_NL__2PRFIN20100712_174009_000000482091_00098_43739_1516.N1	12-JUL-2010 17:40:09	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43739	No
209	GOM_NL__2PRFIN20100712_174452_000000422091_00098_43739_1517.N1	12-JUL-2010 17:44:52	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43739	No
210	GOM_NL__2PRFIN20100712_174610_000000422091_00098_43739_1518.N1	12-JUL-2010 17:46:10	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43739	No
211	GOM_NL__2PRFIN20100712_174903_000000472091_00098_43739_1519.N1	12-JUL-2010 17:49:03	Bright	47.000	79	26Bet Per	2.3100	13100.	94	43739	No
212	GOM_NL__2PRFIN20100712_175148_000000432091_00098_43739_1520.N1	12-JUL-2010 17:51:48	Twilight	43.000	150	44Zet Per	2.8900	28000.	86	43739	No
213	GOM_NL__2PRFIN20100712_175417_000000432091_00098_43739_1521.N1	12-JUL-2010 17:54:17	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	43739	No
214	GOM_NL__2PRFIN20100712_180150_000000582091_00098_43739_1522.N1	12-JUL-2010 18:01:50	Dark	58.000	94	92Alp Cet	2.5260	3100.0	116	43739	No
215	GOM_NL__2PRFIN20100712_180505_000000492091_00098_43739_1523.N1	12-JUL-2010 18:05:05	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	43739	No
216	GOM_NL__2PRFIN20100712_181356_000000422091_00098_43739_1524.N1	12-JUL-2010 18:13:56	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43739	No
217	GOM_NL__2PRFIN20100712_182007_000000422091_00099_43740_1529.N1	12-JUL-2010 18:20:07	Dark	41.500	9	Alp Eri	0.45300	24000.	83	43740	No
218	GOM_NL__2PRFIN20100712_182239_000000572091_00099_43740_1530.N1	12-JUL-2010 18:22:39	Dark	56.500	84	Alp Phe	2.3970	4500.0	113	43740	No
219	GOM_NL__2PRFIN20100712_182840_000000492091_00099_43740_1531.N1	12-JUL-2010 18:28:40	Straylight	48.500	63	Bet Gru	2.1500	2800.0	97	43740	No

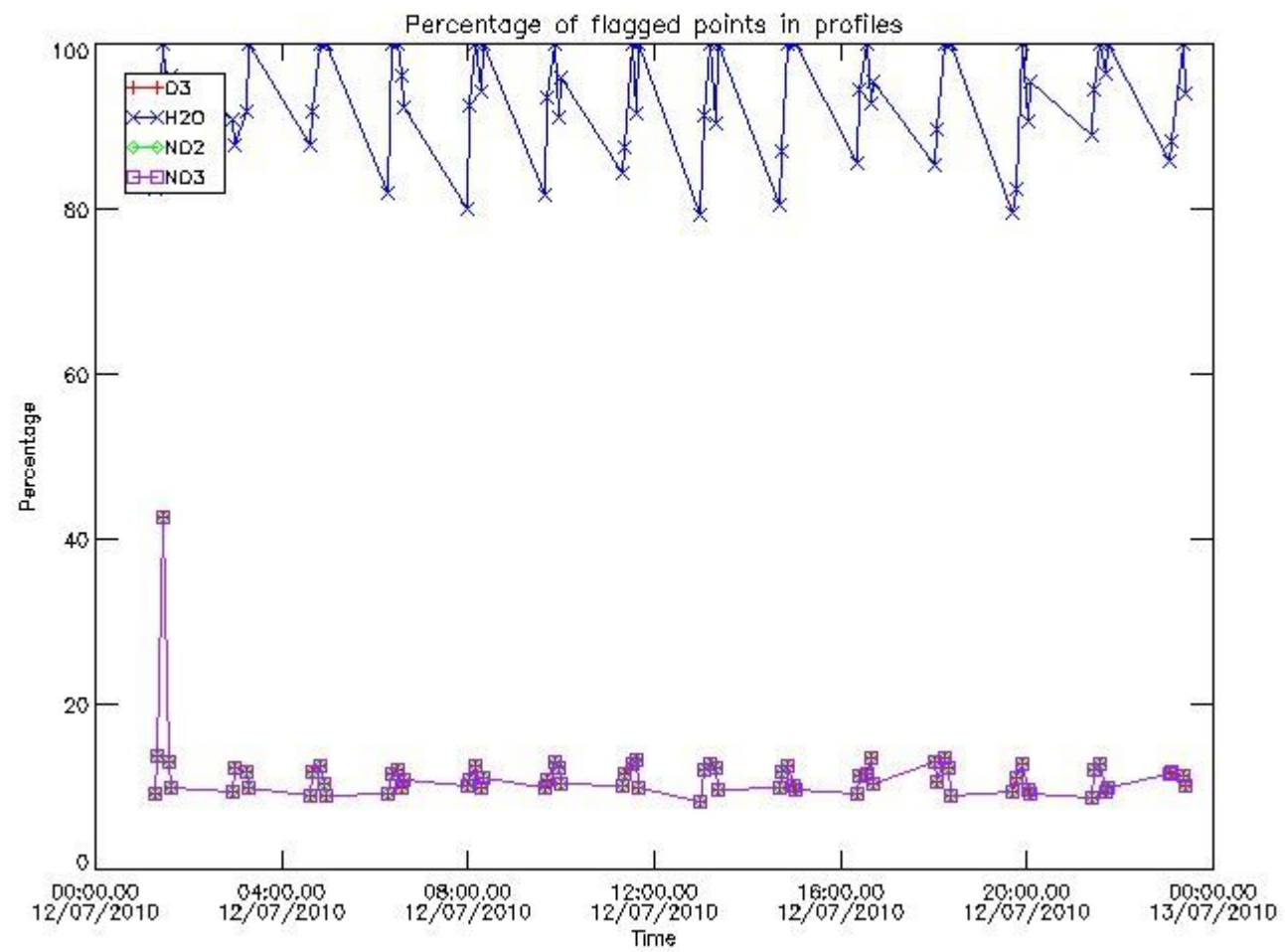
220	GOM_NL__2PRFIN20100712_183022_000000462091_00099_43740_1532.N1	12-JUL-2010 18:30:22	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43740	No
221	GOM_NL__2PRFIN20100712_183333_000000522091_00099_43740_1533.N1	12-JUL-2010 18:33:33	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43740	No
222	GOM_NL__2PRFIN20100712_184039_000000452091_00099_43740_1534.N1	12-JUL-2010 18:40:39	Bright	45.000	103	38Zet Sgr	2.6000	9700.0	90	43740	No
223	GOM_NL__2PRFIN20100712_184311_000000422091_00099_43740_1535.N1	12-JUL-2010 18:43:11	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43740	No
224	GOM_NL__2PRFIN20100712_185410_000000602091_00099_43740_1536.N1	12-JUL-2010 18:54:10	Bright	60.000	168	17Zet Aql	2.9860	11000.	120	43740	No
225	GOM_NL__2PRFIN20100712_190113_000000402091_00099_43740_1537.N1	12-JUL-2010 19:01:13	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	43740	No
226	GOM_NL__2PRFIN20100712_190427_000000392091_00099_43740_1538.N1	12-JUL-2010 19:04:27	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	43740	No
227	GOM_NL__2PRFIN20100712_191158_000000432091_00099_43740_1539.N1	12-JUL-2010 19:11:58	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43740	No
228	GOM_NL__2PRFIN20100712_192044_000000482091_00099_43740_1540.N1	12-JUL-2010 19:20:44	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43740	No
229	GOM_NL__2PRFIN20100712_192528_000000402091_00099_43740_1541.N1	12-JUL-2010 19:25:28	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	43740	No
230	GOM_NL__2PRFIN20100712_192645_000000432091_00099_43740_1542.N1	12-JUL-2010 19:26:45	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43740	No
231	GOM_NL__2PRFIN20100712_192939_000000452091_00099_43740_1543.N1	12-JUL-2010 19:29:39	Bright	44.500	79	26Bet Per	2.3100	13100.	89	43740	No
232	GOM_NL__2PRFIN20100712_193224_000000452091_00099_43740_1544.N1	12-JUL-2010 19:32:24	Twilight	45.000	150	44Zet Per	2.8900	28000.	90	43740	No
233	GOM_NL__2PRFIN20100712_193454_000000432091_00099_43740_1545.N1	12-JUL-2010 19:34:54	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	43740	No
234	GOM_NL__2PRFIN20100712_194226_000000592091_00099_43740_1546.N1	12-JUL-2010 19:42:26	Dark	59.000	94	92Alp Cet	2.5260	3100.0	118	43740	No
235	GOM_NL__2PRFIN20100712_194541_000000462091_00099_43740_1547.N1	12-JUL-2010 19:45:41	Dark	46.000	165	34Gam Eri	2.9500	3200.0	92	43740	No
236	GOM_NL__2PRFIN20100712_195432_000000402091_00099_43740_1548.N1	12-JUL-2010 19:54:32	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43740	No
237	GOM_NL__2PRFIN20100712_200044_000000542091_00100_43741_1558.N1	12-JUL-2010 20:00:44	Dark	53.500	9	Alp Eri	0.45300	24000.	107	43741	No
238	GOM_NL__2PRFIN20100712_200315_000000562091_00100_43741_1559.N1	12-JUL-2010 20:03:15	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	43741	No
239	GOM_NL__2PRFIN20100712_200917_000000512091_00100_43741_1560.N1	12-JUL-2010 20:09:17	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	43741	No
240	GOM_NL__2PRFIN20100712_201058_000000462091_00100_43741_1561.N1	12-JUL-2010 20:10:58	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43741	No
241	GOM_NL__2PRFIN20100712_201409_000000542091_00100_43741_1562.N1	12-JUL-2010 20:14:09	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	43741	No
242	GOM_NL__2PRFIN20100712_202115_000000502091_00100_43741_1563.N1	12-JUL-2010 20:21:15	Bright	49.500	103	38Zet Sgr	2.6000	9700.0	99	43741	No
243	GOM_NL__2PRFIN20100712_202348_000000412091_00100_43741_1564.N1	12-JUL-2010 20:23:48	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43741	No
244	GOM_NL__2PRFIN20100712_203446_000000422091_00100_43741_1565.N1	12-JUL-2010 20:34:46	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43741	No
245	GOM_NL__2PRFIN20100712_204149_000000422091_00100_43741_1566.N1	12-JUL-2010 20:41:49	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43741	No
246	GOM_NL__2PRFIN20100712_204503_000000372091_00100_43741_1567.N1	12-JUL-2010 20:45:03	Bright	37.000	69	33Gam Dra	2.2310	3800.0	74	43741	No
247	GOM_NL__2PRFIN20100712_205234_000000442091_00100_43741_1568.N1	12-JUL-2010 20:52:34	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43741	No
248	GOM_NL__2PRFIN20100712_210119_000000462091_00100_43741_1569.N1	12-JUL-2010 21:01:19	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	43741	No
249	GOM_NL__2PRFIN20100712_210604_000000422091_00100_43741_1570.N1	12-JUL-2010 21:06:04	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43741	No
250	GOM_NL__2PRFIN20100712_210721_000000582091_00100_43741_1571.N1	12-JUL-2010 21:07:21	Bright	58.000	35	33Alp Per	1.7950	6250.0	116	43741	No
251	GOM_NL__2PRFIN20100712_211015_000000442091_00100_43741_1572.N1	12-JUL-2010 21:10:15	Bright	43.500	79	26Bet Per	2.3100	13100.	87	43741	No
252	GOM_NL__2PRFIN20100712_211300_000000442091_00100_43741_1573.N1	12-JUL-2010 21:13:00	Twilight	44.000	150	44Zet Per	2.8900	28000.	88	43741	No
253	GOM_NL__2PRFIN20100712_211530_000000442091_00100_43741_1574.N1	12-JUL-2010 21:15:30	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43741	No
254	GOM_NL__2PRFIN20100712_212303_000000582091_00100_43741_1575.N1	12-JUL-2010 21:23:03	Dark	58.000	94	92Alp Cet	2.5260	3100.0	116	43741	No
255	GOM_NL__2PRFIN20100712_212618_000000472091_00100_43741_1576.N1	12-JUL-2010 21:26:18	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	43741	No
256	GOM_NL__2PRFIN20100712_213509_000000402091_00100_43741_1577.N1	12-JUL-2010 21:35:09	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43741	No
257	GOM_NL__2PRFIN20100712_214120_000000542091_00101_43742_1574.N1	12-JUL-2010 21:41:20	Dark	54.000	9	Alp Eri	0.45300	24000.	108	43742	No
258	GOM_NL__2PRFIN20100712_214352_000000522091_00101_43742_1575.N1	12-JUL-2010 21:43:52	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43742	No
259	GOM_NL__2PRFIN20100712_214954_000000502091_00101_43742_1576.N1	12-JUL-2010 21:49:54	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	43742	No
260	GOM_NL__2PRFIN20100712_215135_000000552091_00101_43742_1577.N1	12-JUL-2010 21:51:35	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	43742	No
261	GOM_NL__2PRFIN20100712_215446_000000522091_00101_43742_1578.N1	12-JUL-2010 21:54:46	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	43742	No
262	GOM_NL__2PRFIN20100712_220152_000000412091_00101_43742_1579.N1	12-JUL-2010 22:01:52	Bright	40.500	103	38Zet Sgr	2.6000	9700.0	81	43742	No
263	GOM_NL__2PRFIN20100712_220423_000000412091_00101_43742_1580.N1	12-JUL-2010 22:04:23	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43742	No
264	GOM_NL__2PRFIN20100712_221521_000000402091_00101_43742_1581.N1	12-JUL-2010 22:15:21	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43742	No
265	GOM_NL__2PRFIN20100712_222224_000000372091_00101_43742_1582.N1	12-JUL-2010 22:22:24	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	43742	No
266	GOM_NL__2PRFIN20100712_222539_000000352091_00101_43742_1583.N1	12-JUL-2010 22:25:39	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	43742	No
267	GOM_NL__2PRFIN20100712_223309_000000452091_00101_43742_1584.N1	12-JUL-2010 22:33:09	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43742	No
268	GOM_NL__2PRFIN20100712_224155_000000502091_00101_43742_1585.N1	12-JUL-2010 22:41:55	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43742	No
269	GOM_NL__2PRFIN20100712_224639_000000422091_00101_43742_1586.N1	12-JUL-2010 22:46:39	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43742	No
270	GOM_NL__2PRFIN20100712_224757_000000422091_00101_43742_1587.N1	12-JUL-2010 22:47:57	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43742	No
271	GOM_NL__2PRFIN20100712_225051_000000462091_00101_43742_1588.N1	12-JUL-2010 22:50:51	Bright	46.000	79	26Bet Per	2.3100	13100.	92	43742	No
272	GOM_NL__2PRFIN20100712_225606_000000452091_00101_43742_1589.N1	12-JUL-2010 22:56:06	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43742	No
273	GOM_NL__2PRFIN20100712_230340_000000572091_00101_43742_1590.N1	12-JUL-2010 23:03:40	Dark	57.000	94	92Alp Cet	2.5260	3100.0	114	43742	No
274	GOM_NL__2PRFIN20100712_230654_000000432091_00101_43742_1591.N1	12-JUL-2010 23:06:54	Dark	42.500	165	34Gam Eri	2.9500	3200.0	85	43742	No
275	GOM_NL__2PRFIN20100712_232157_000000502091_00102_43743_1584.N1	12-JUL-2010 23:21:57	Dark	49.500	9	Alp Eri	0.45300	24000.	99	43743	No
276	GOM_NL__2PRFIN20100712_232429_000000502091_00102_43743_1585.N1	12-JUL-2010 23:24:29	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43743	No
277	GOM_NL__2PRFIN20100712_233030_000000632091_00102_43743_1586.N1	12-JUL-2010 23:30:30	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	43743	No
278	GOM_NL__2PRFIN20100712_233211_000000562091_00102_43743_1587.N1	12-JUL-2010 23:32:11	Straylight	55.500	31	Alp Gru	1.7340	15200.	111	43743	No

279	GOM_NL__2PRFIN20100712_233523_000000522091_00102_43743_1588.N1	12-JUL-2010 23:35:23	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	43743	No
280	GOM_NL__2PRFIN20100712_234228_000000522091_00102_43743_1589.N1	12-JUL-2010 23:42:28	Bright	52.000	103	38Zet Sgr	2.6000	9700.0	104	43743	No
281	GOM_NL__2PRFIN20100712_234500_000000412091_00102_43743_1590.N1	12-JUL-2010 23:45:00	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43743	No
282	GOM_NL__2PRFIN20100712_235557_000000422091_00102_43743_1591.N1	12-JUL-2010 23:55:57	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43743	No

3. Quality information per product

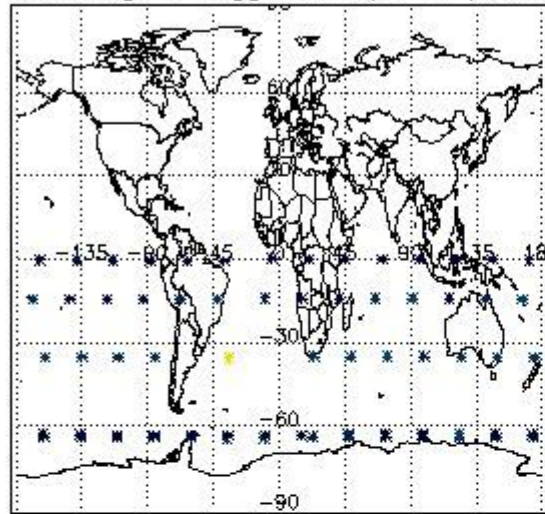
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

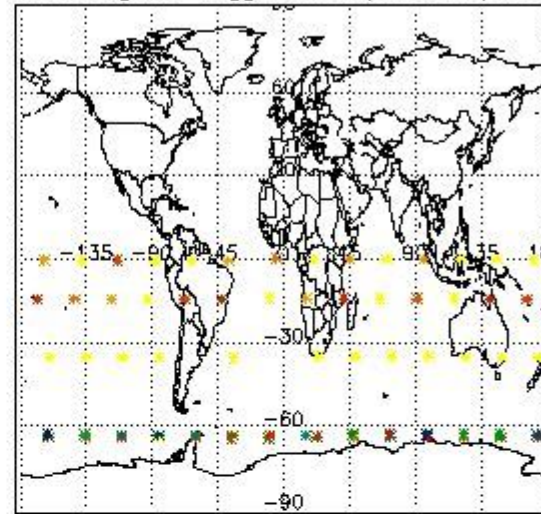


3.2 Plot quality information per product (world map)

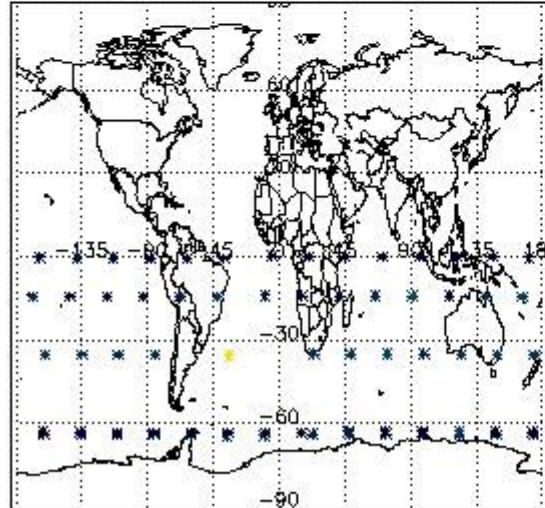
Percentage of flagged data per O3 profile



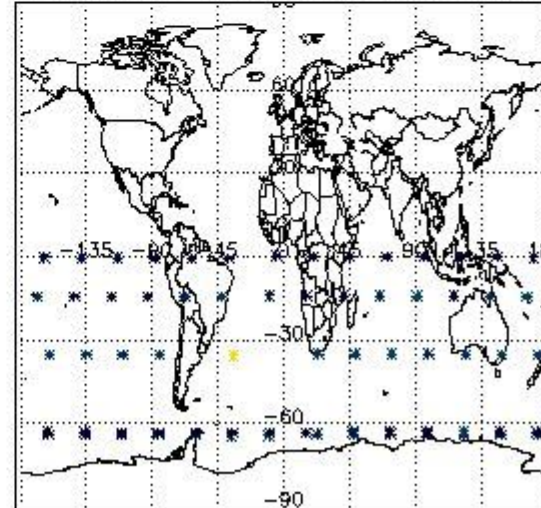
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

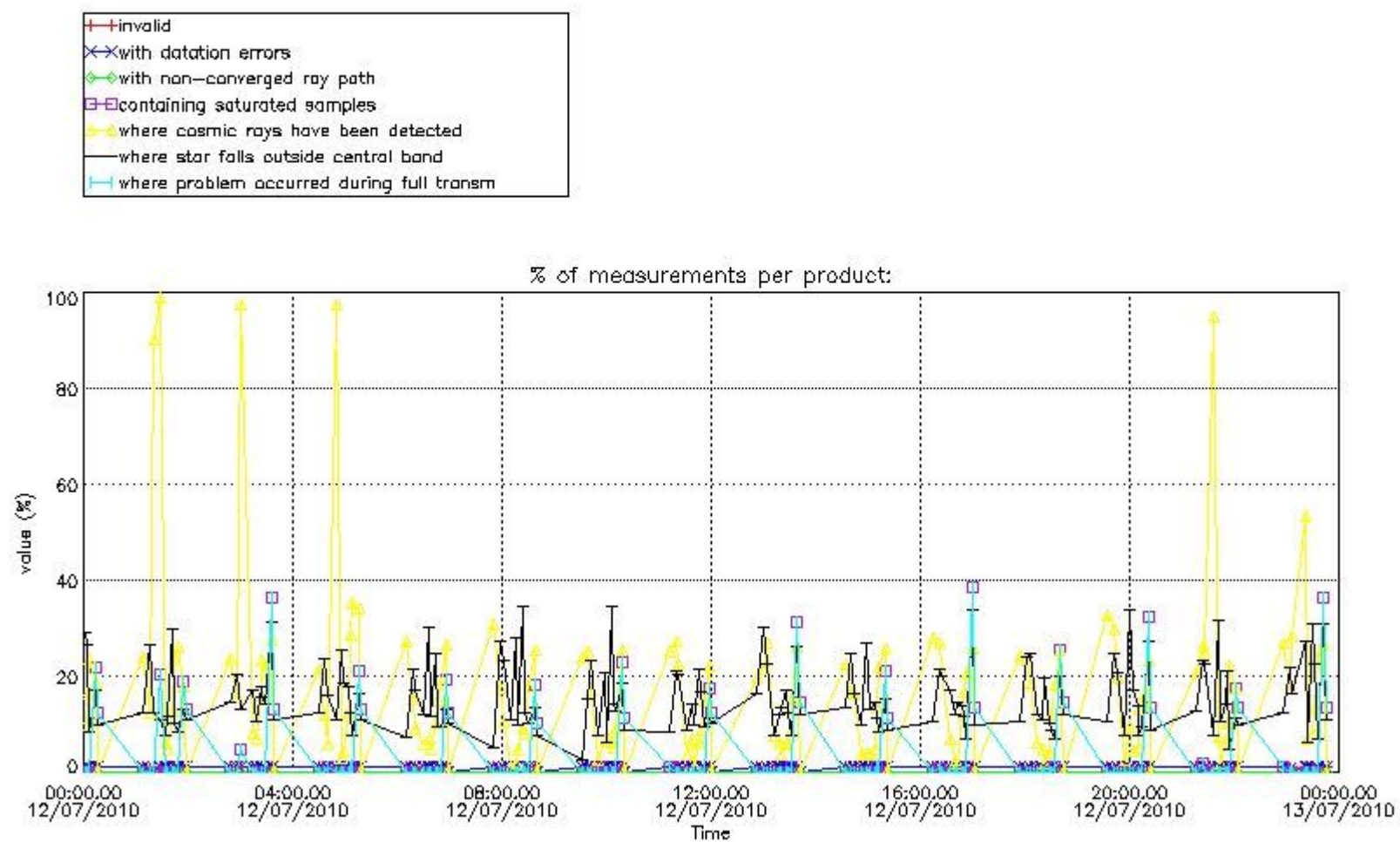


4. Level 1 quality information per product

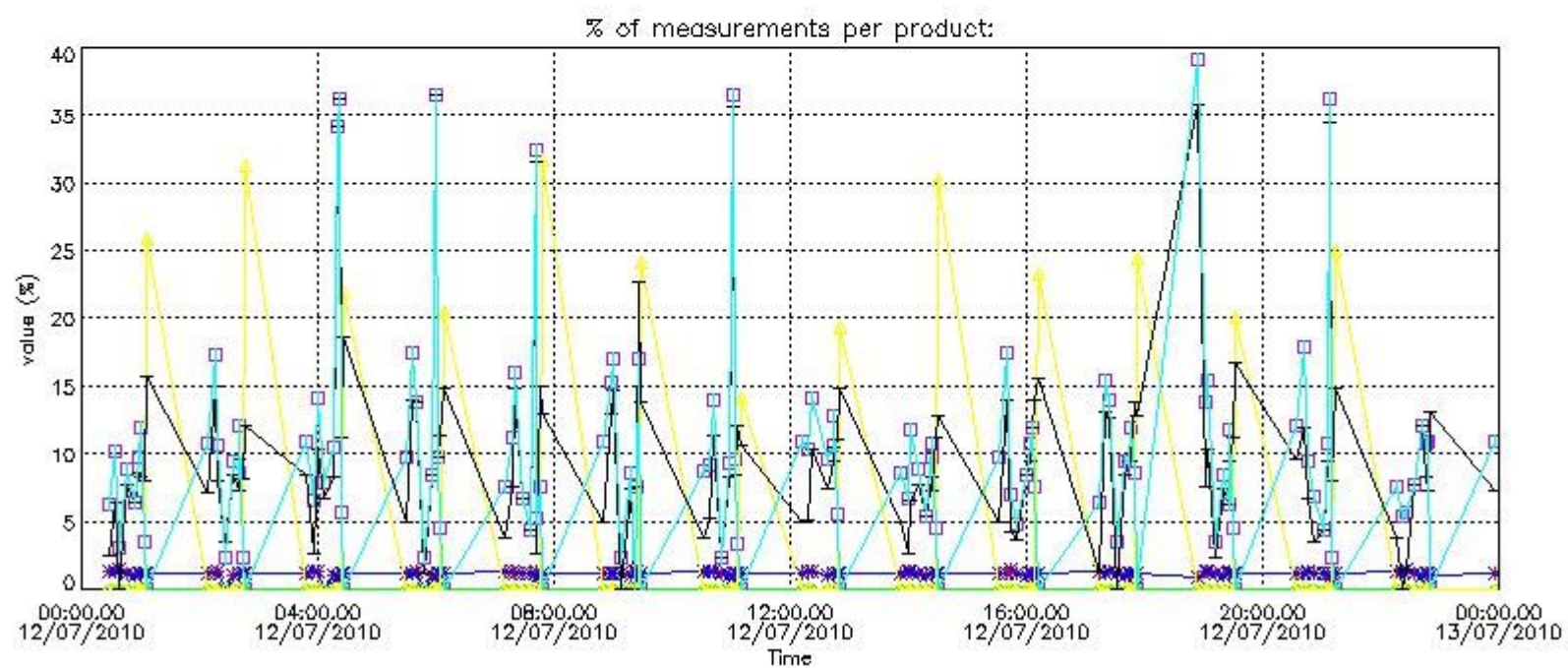
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

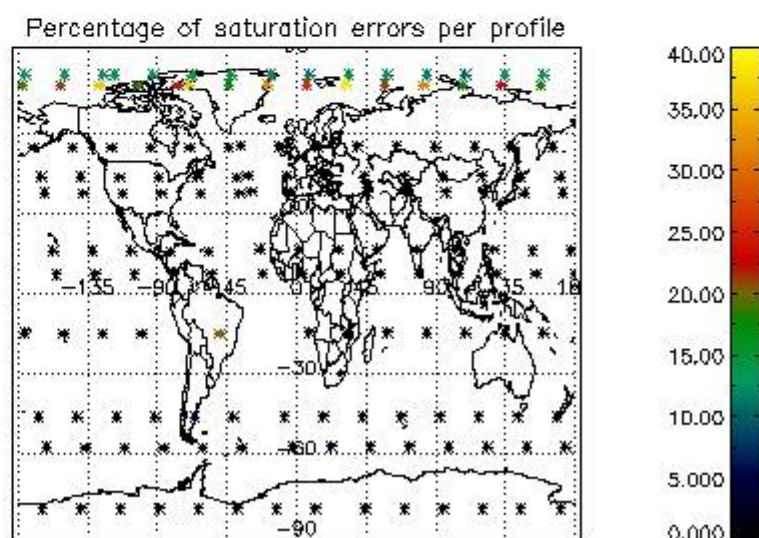
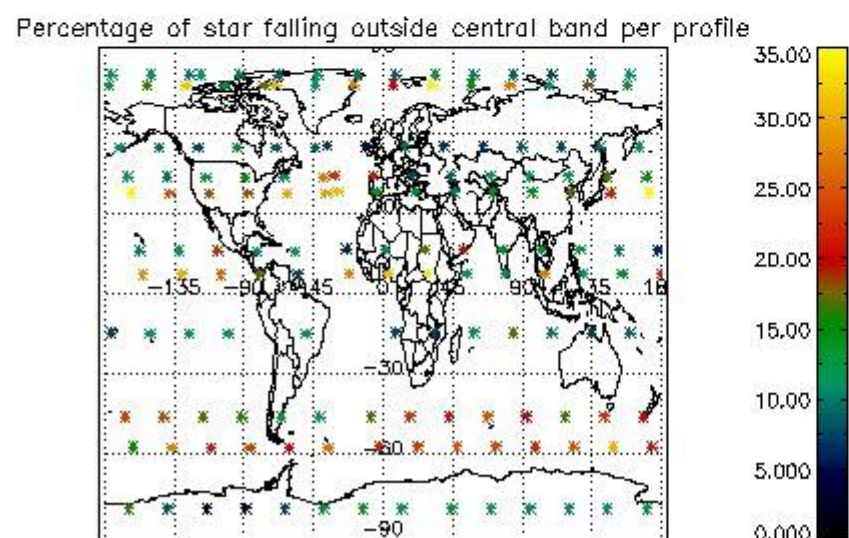
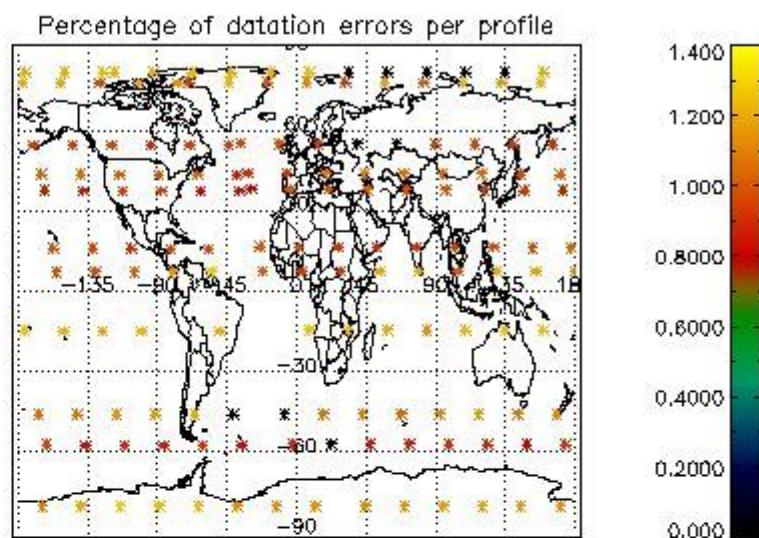
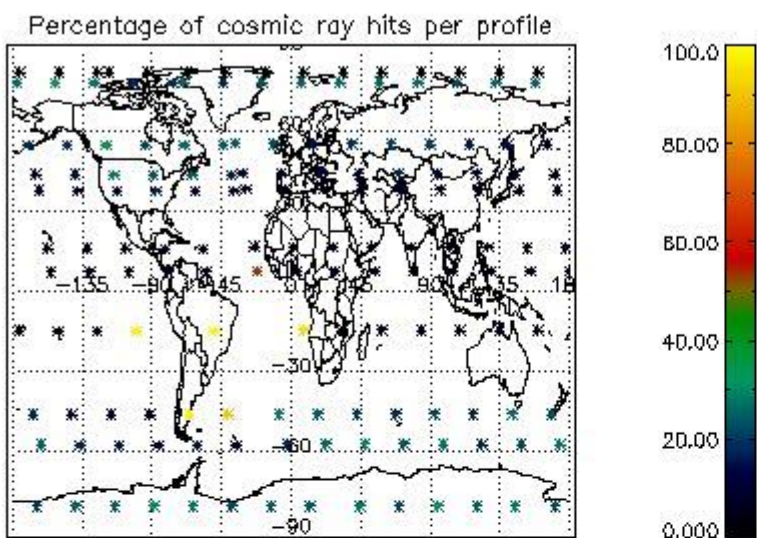


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

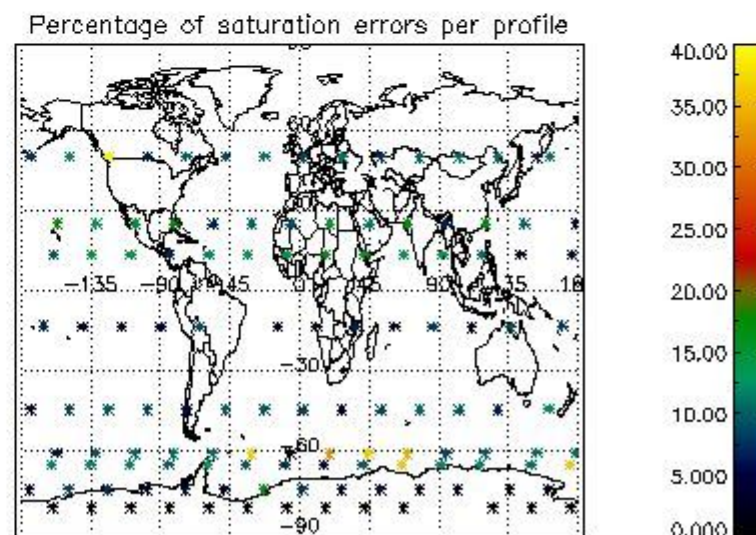
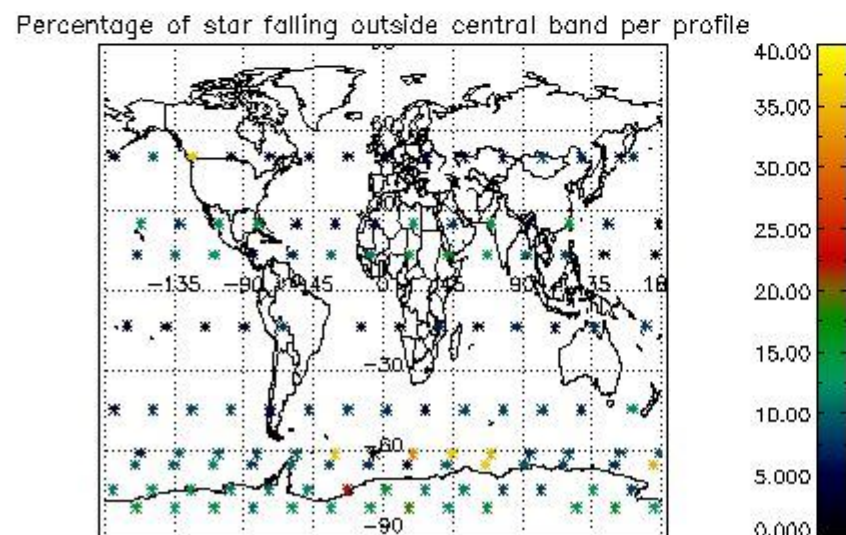
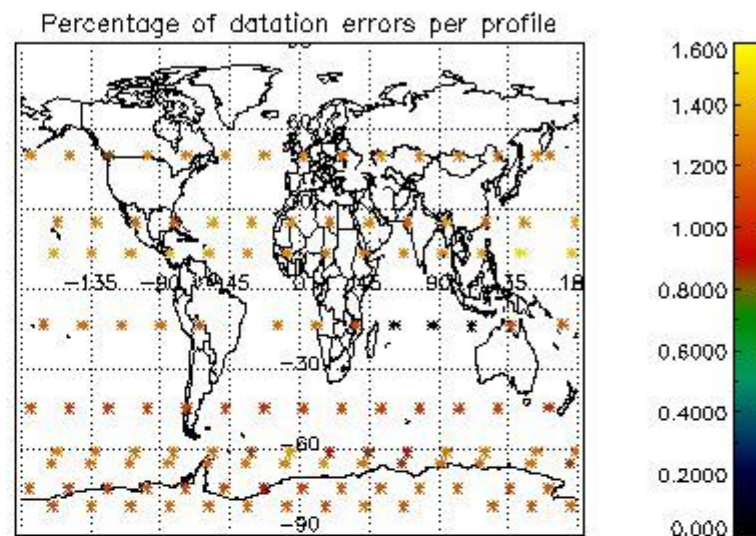
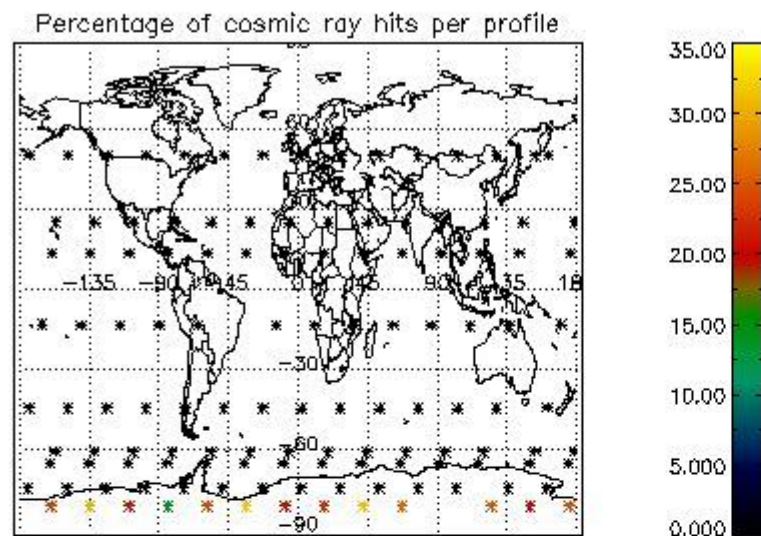


4.2 Plot quality information per product coming from level 1b processing (world map)

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

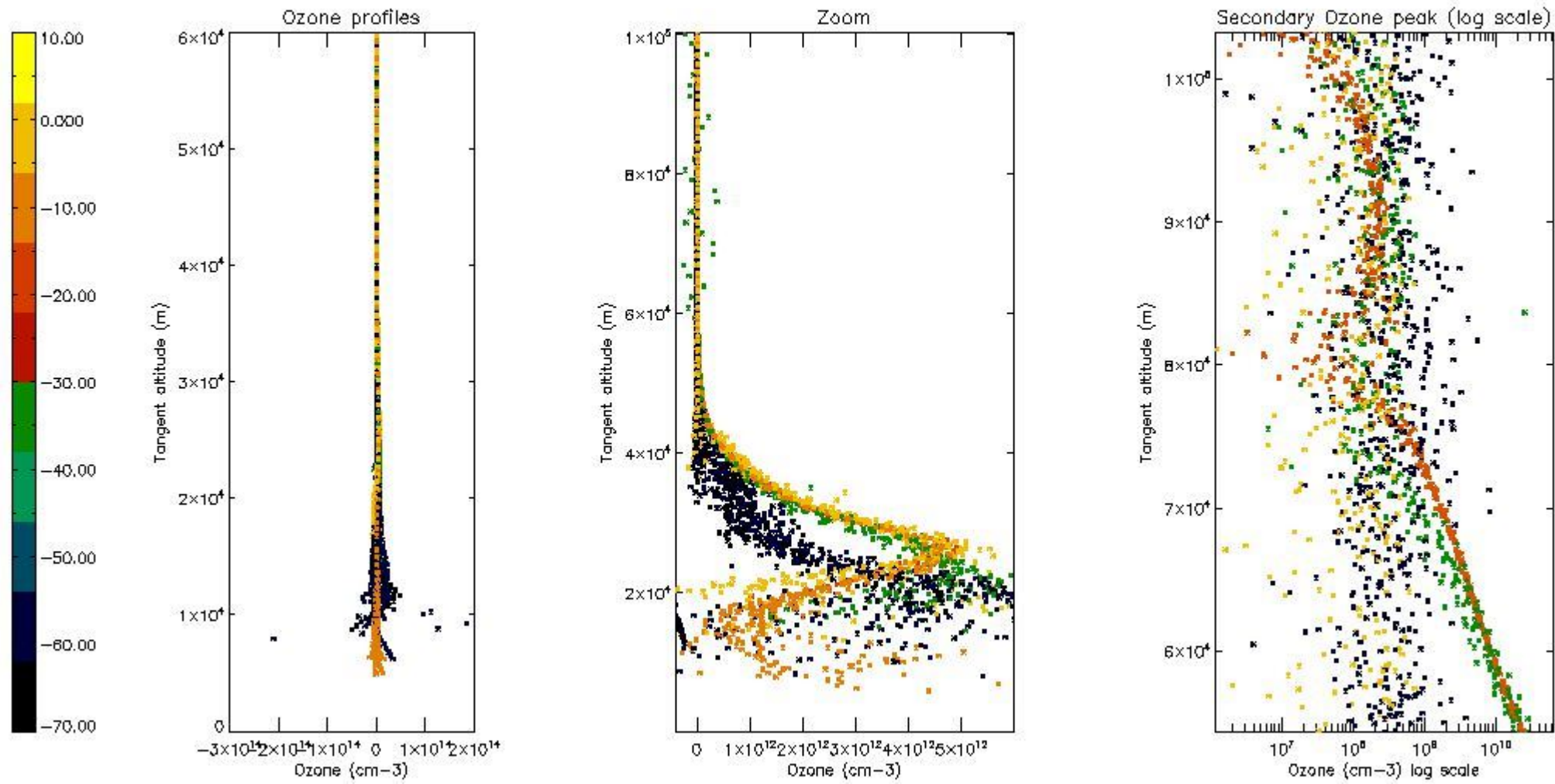
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	9

STD < 10	5
STD < 5	3

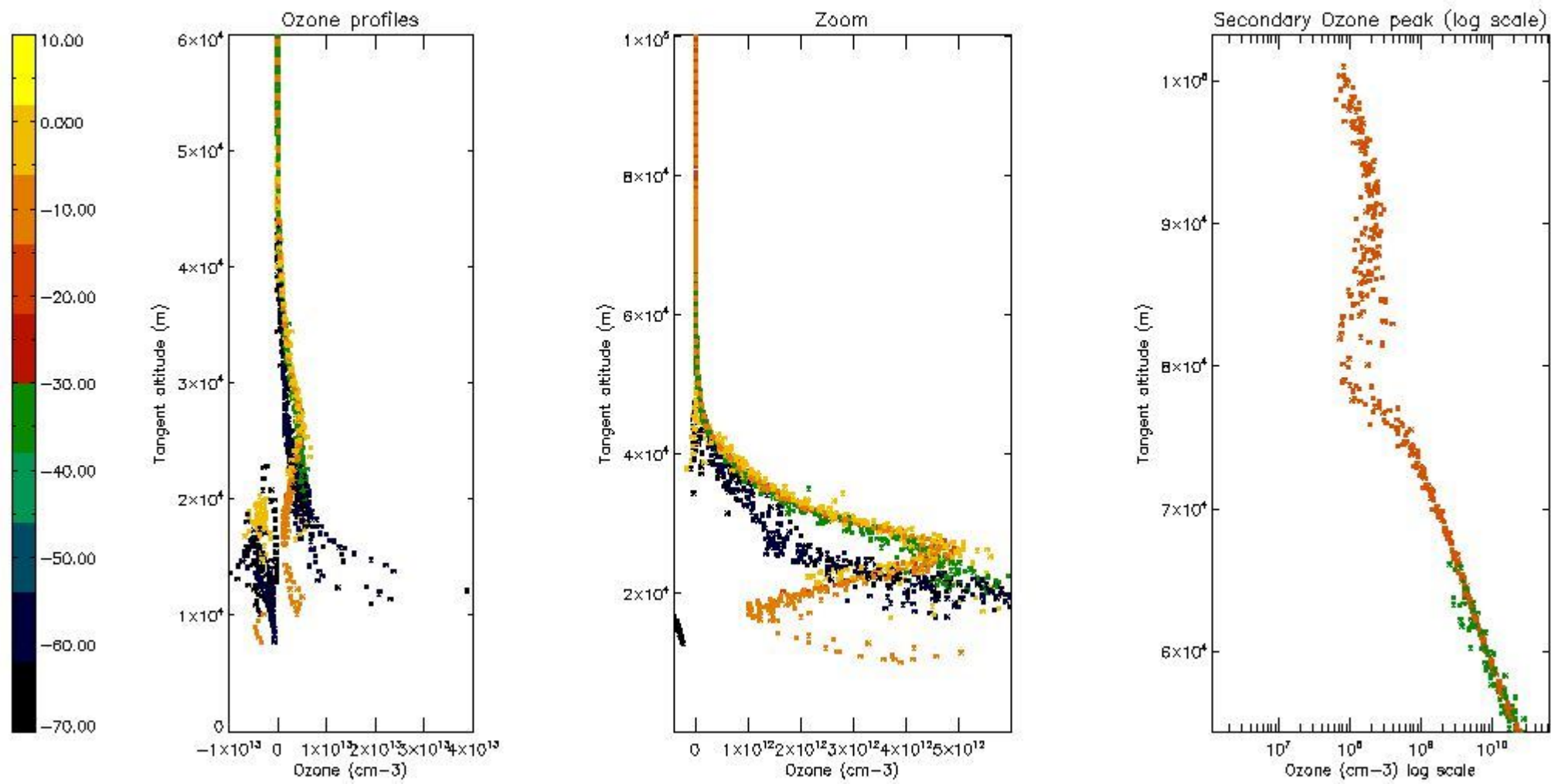
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



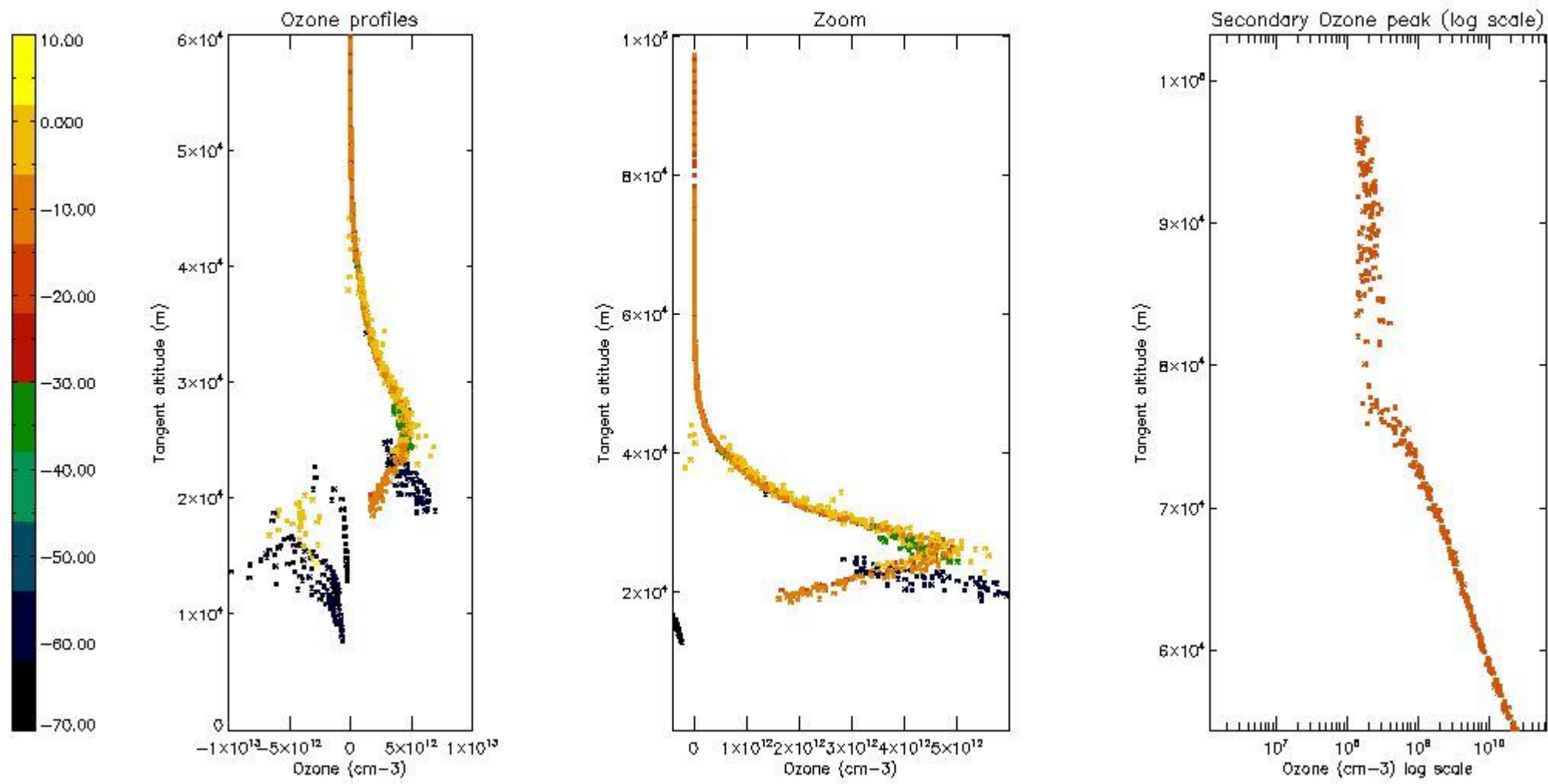
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



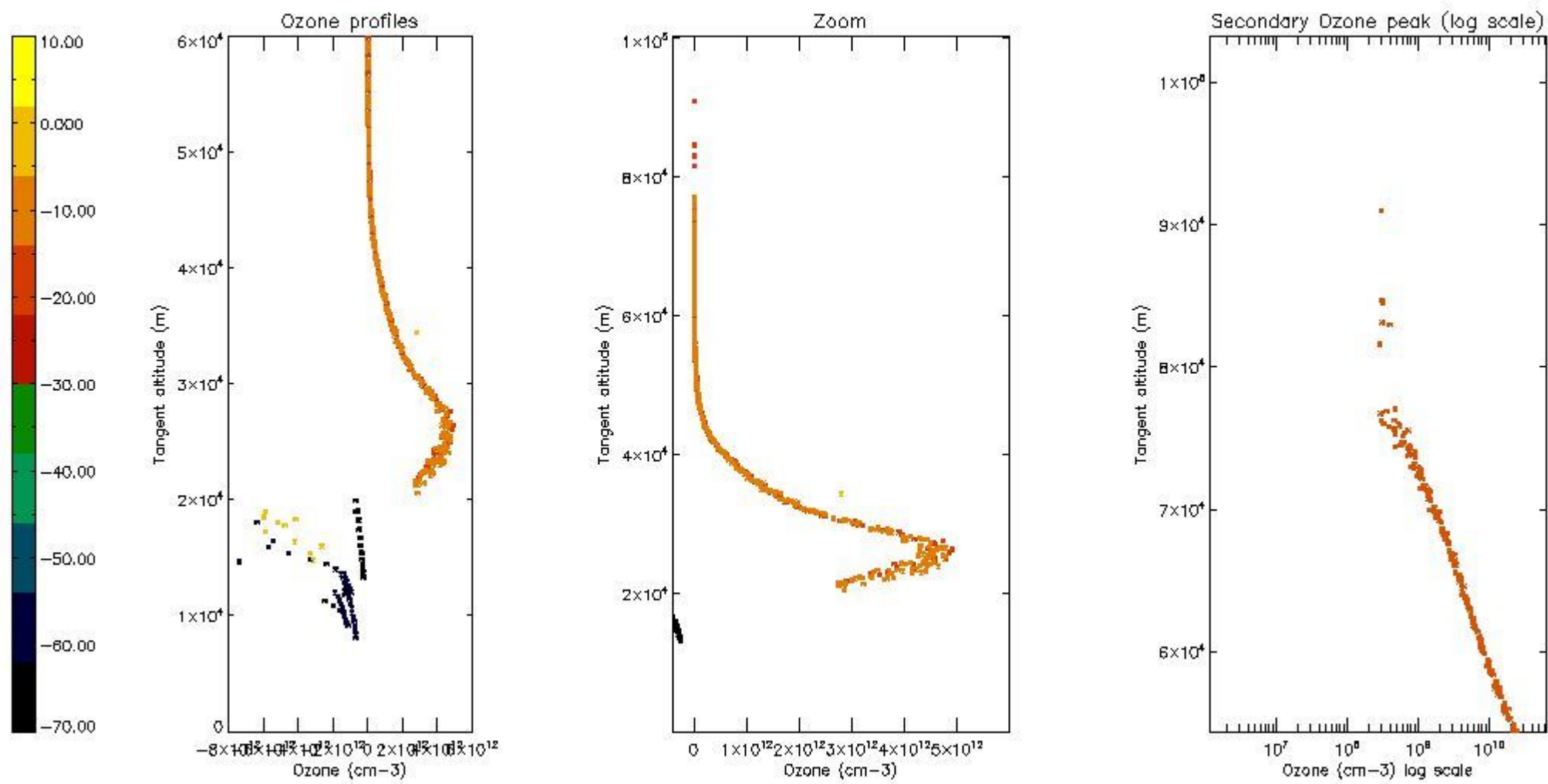
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



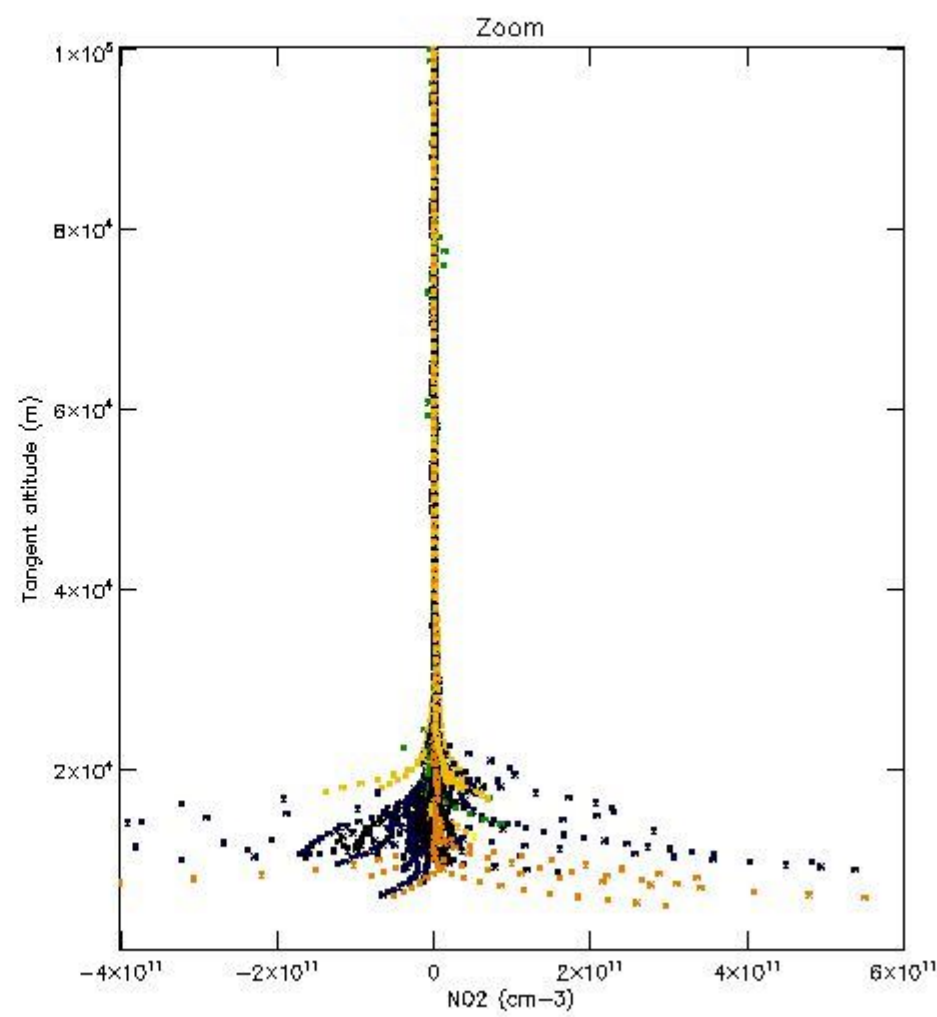
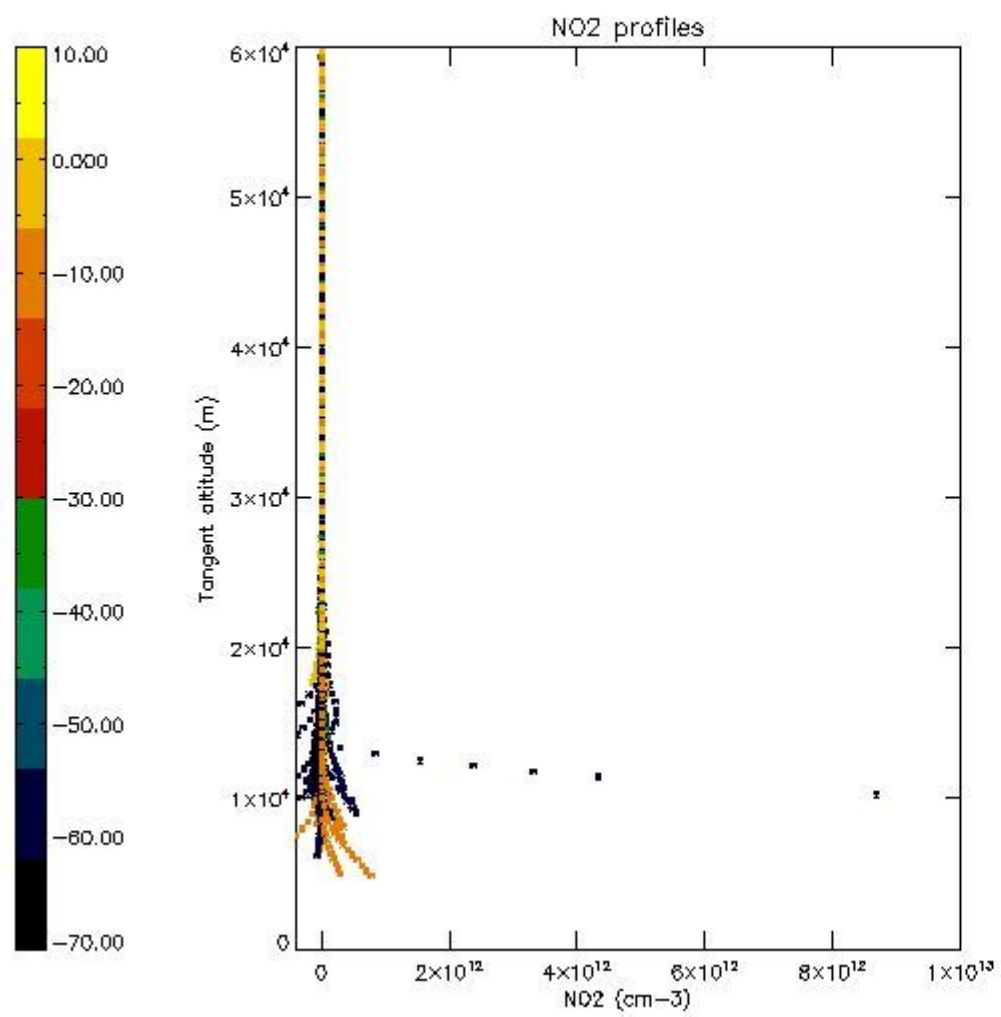
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



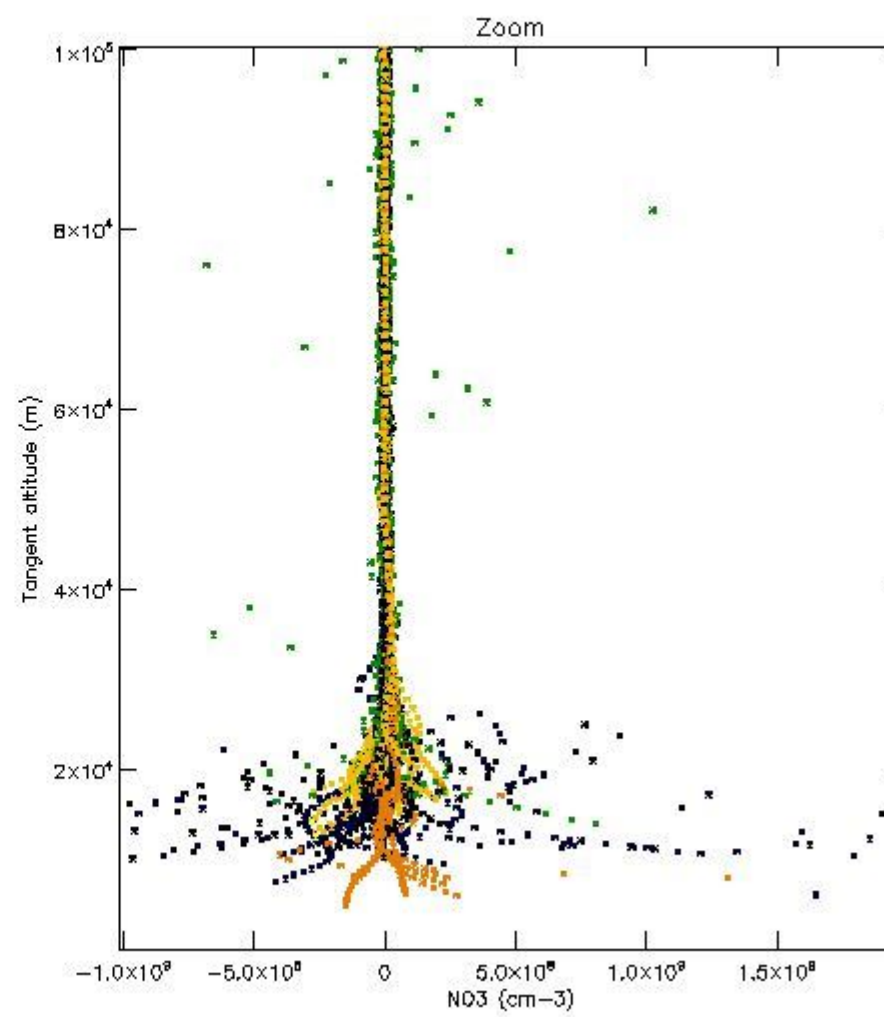
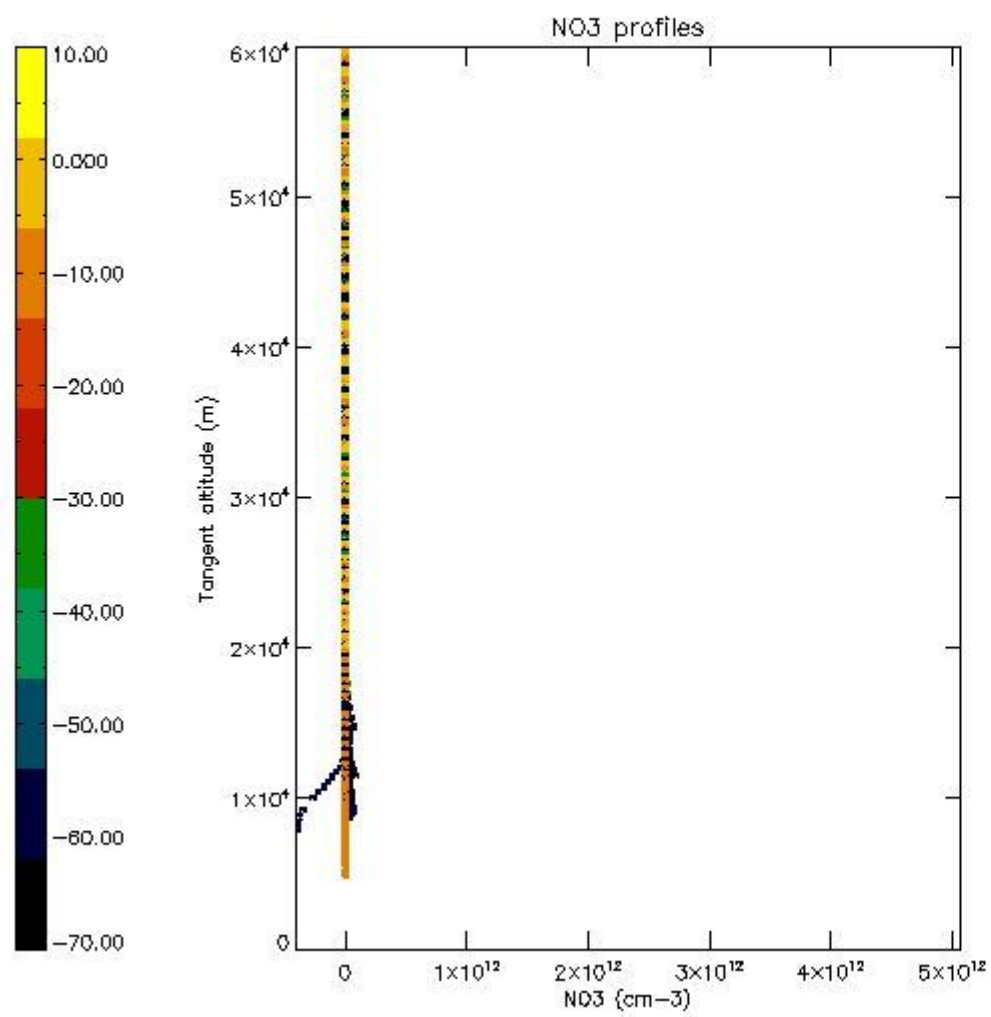
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



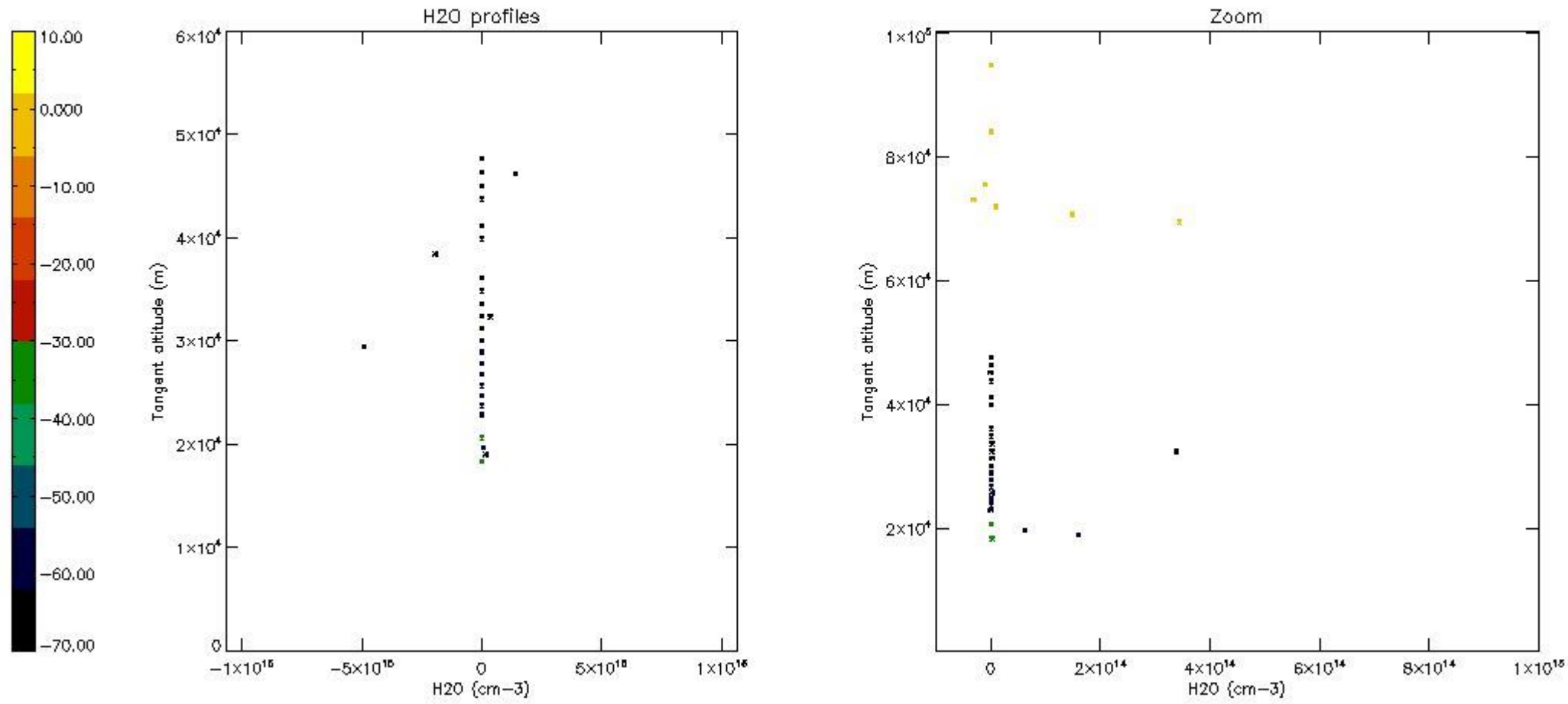
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

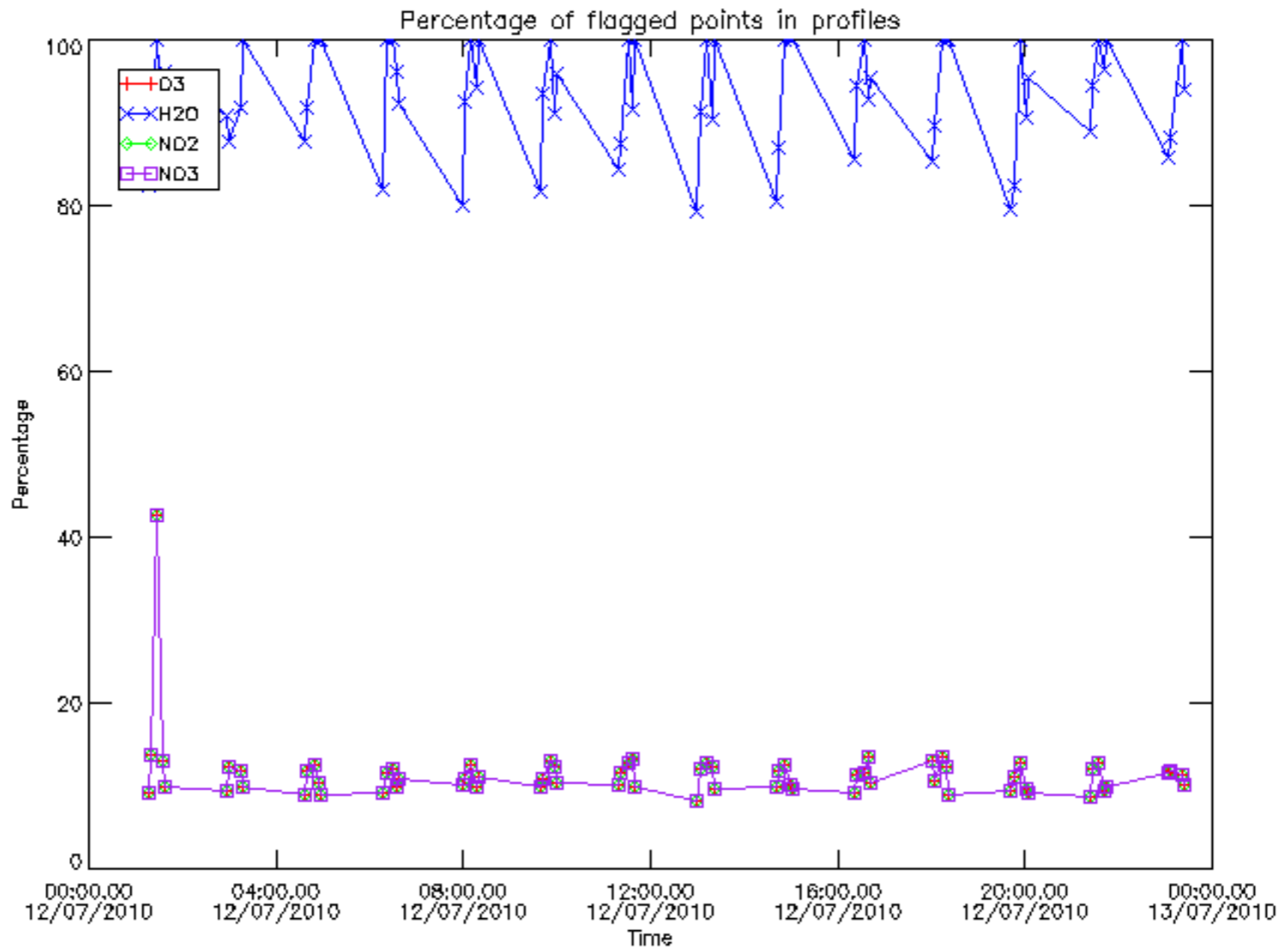
The colorbar represents the latitude.



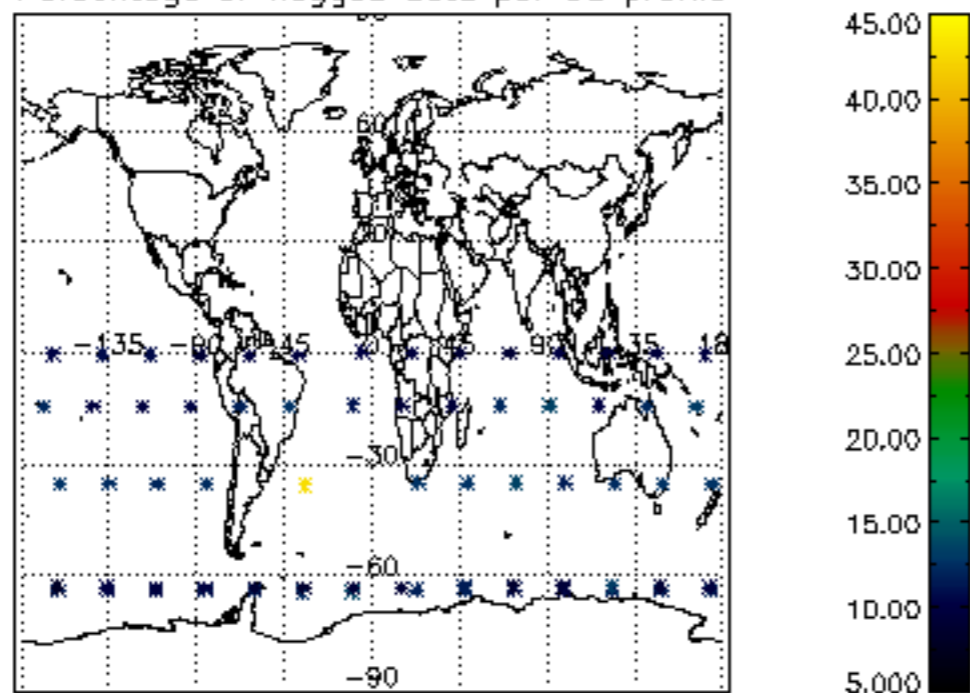
6. Auxiliary Data Files used for the production reported in section 2

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.

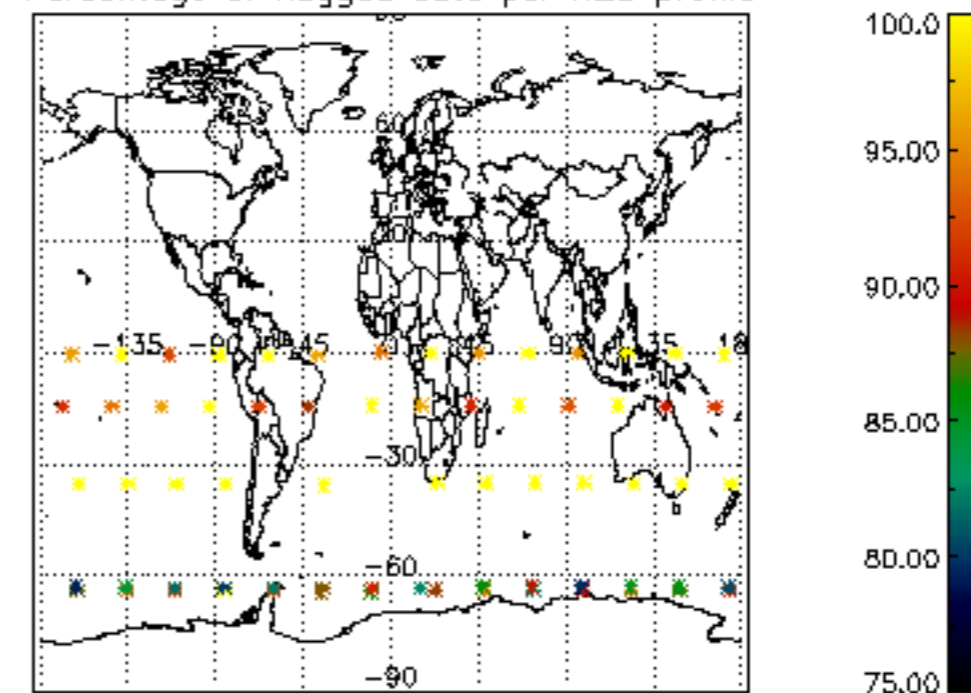
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUL-2010 00:01:55
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUL-2010 00:01:55
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUL-2010 00:01:55



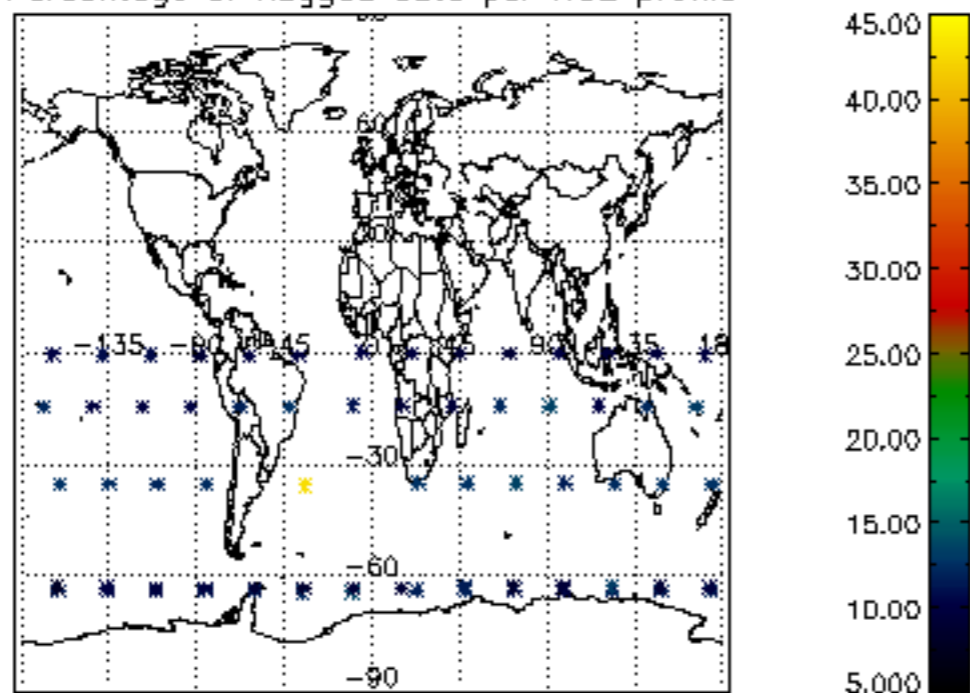
Percentage of flagged data per D3 profile



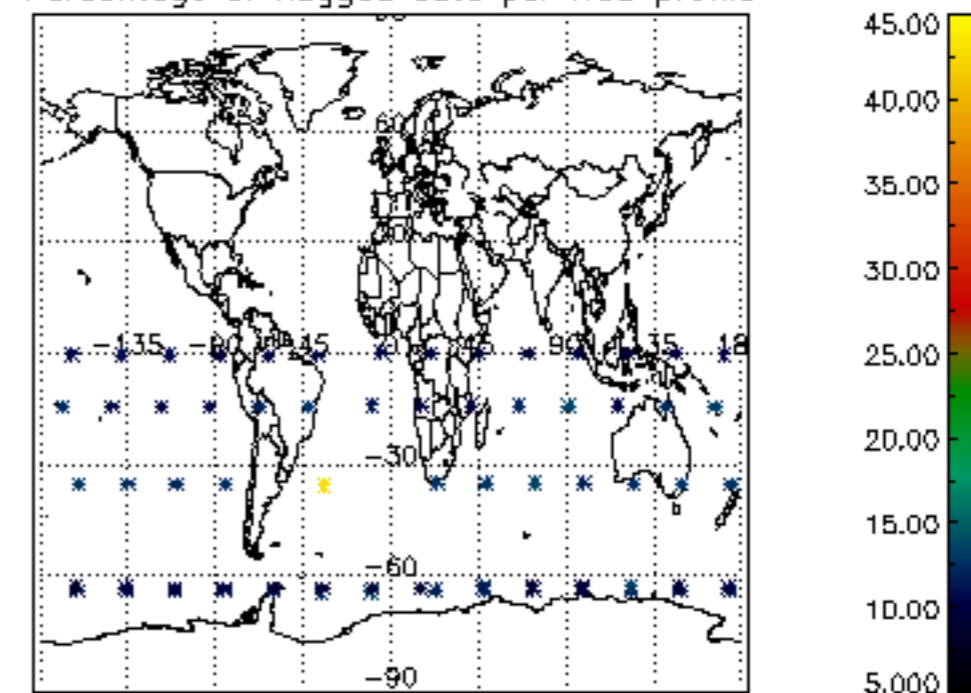
Percentage of flagged data per H2O profile

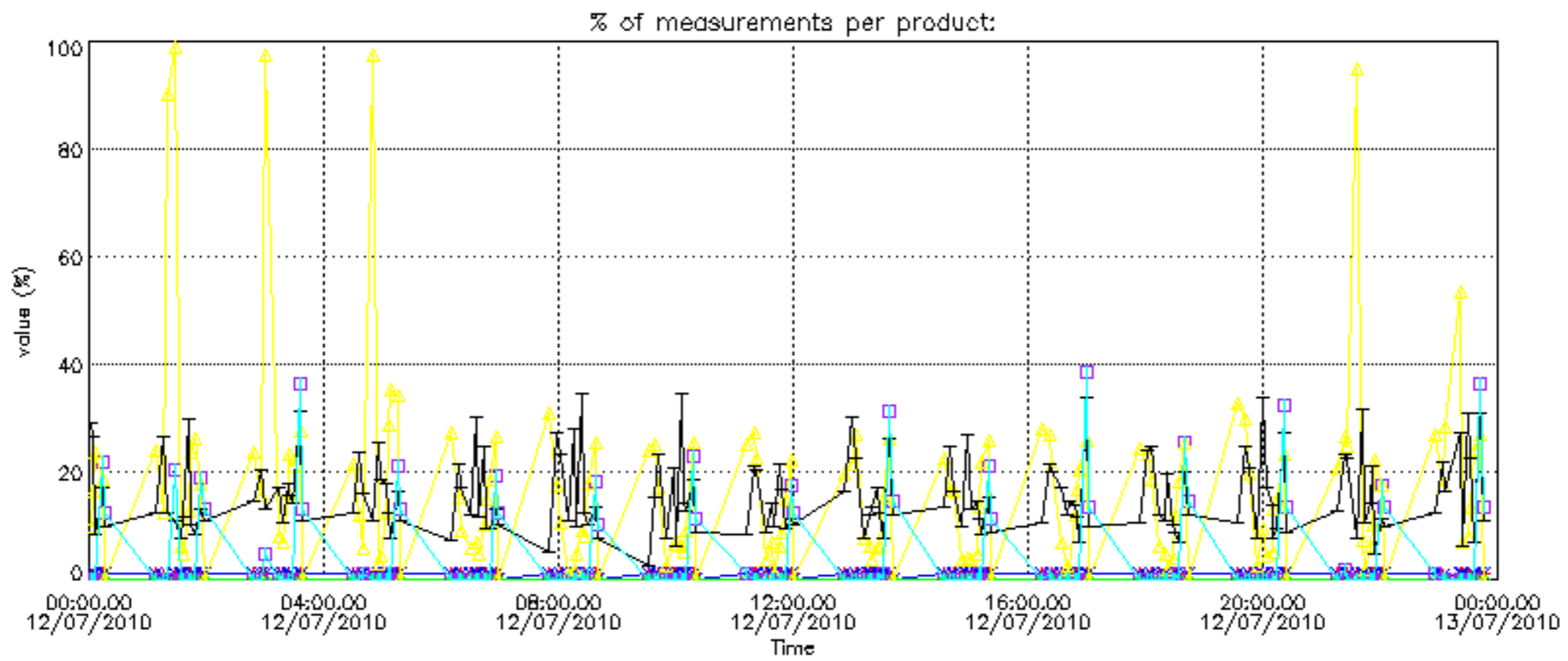
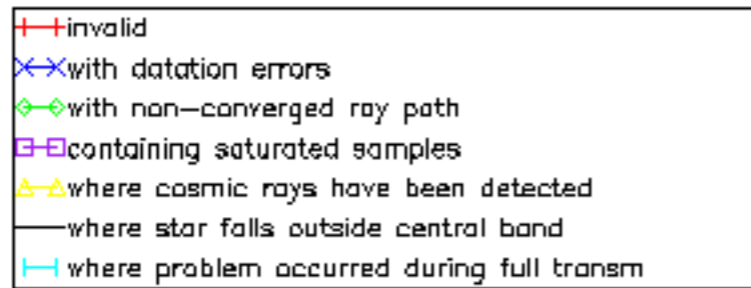


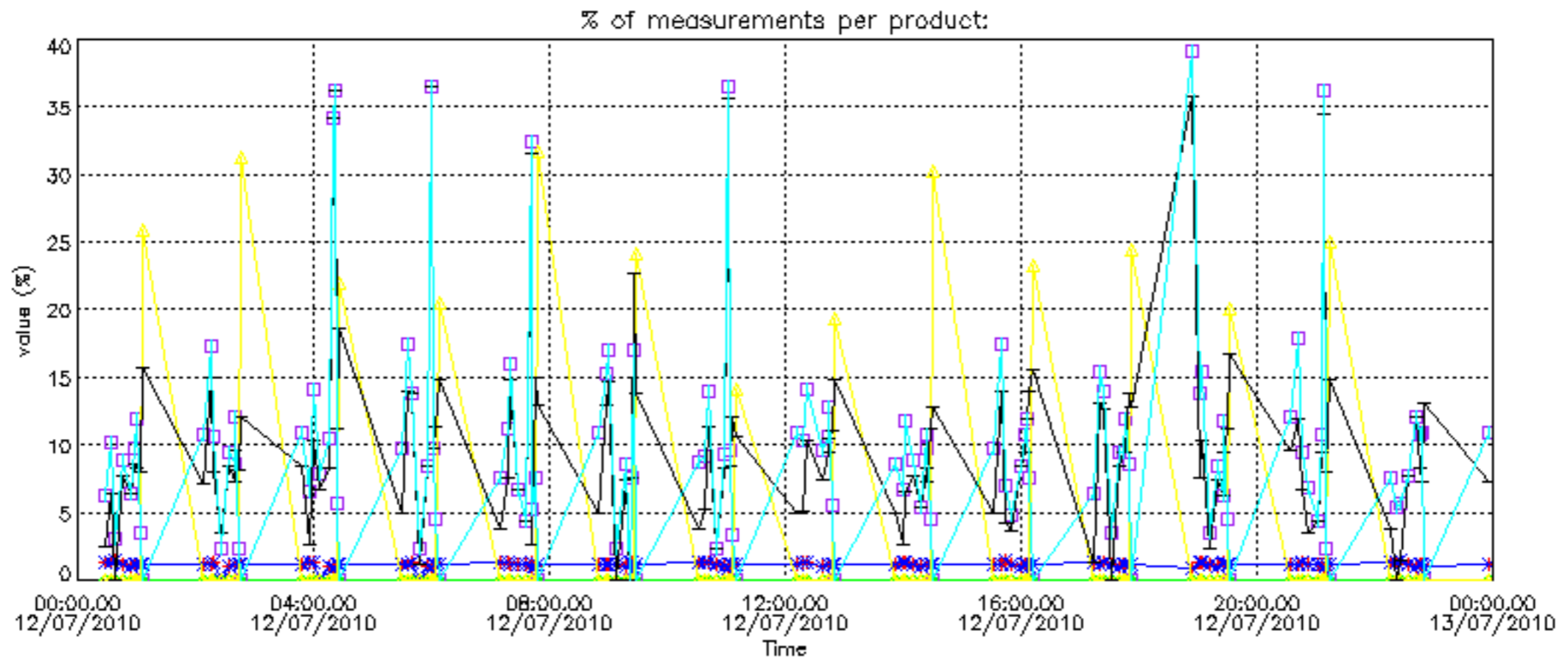
Percentage of flagged data per NO2 profile



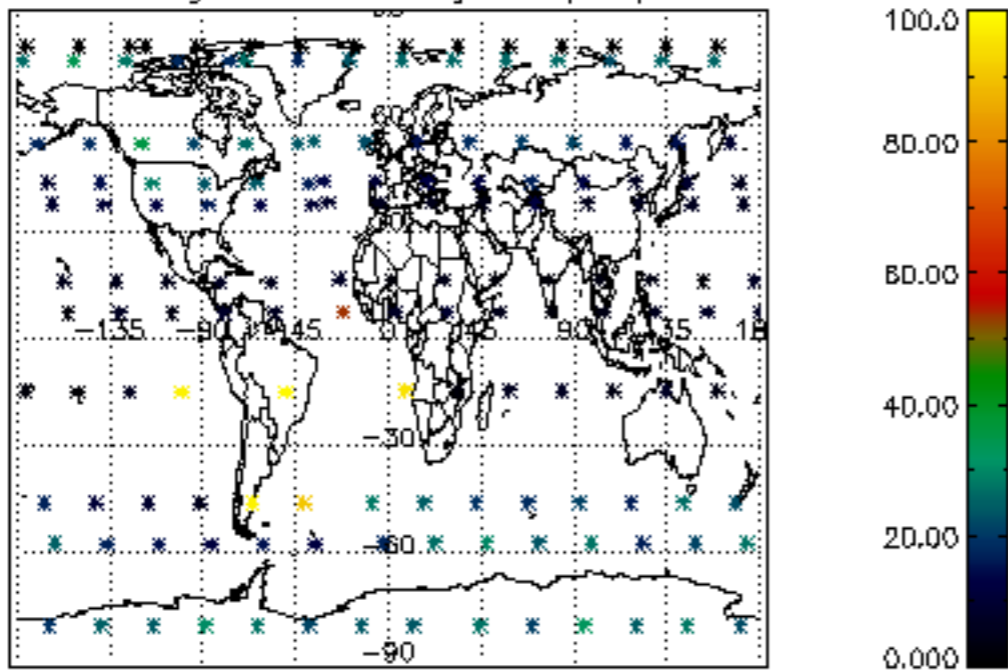
Percentage of flagged data per NO3 profile



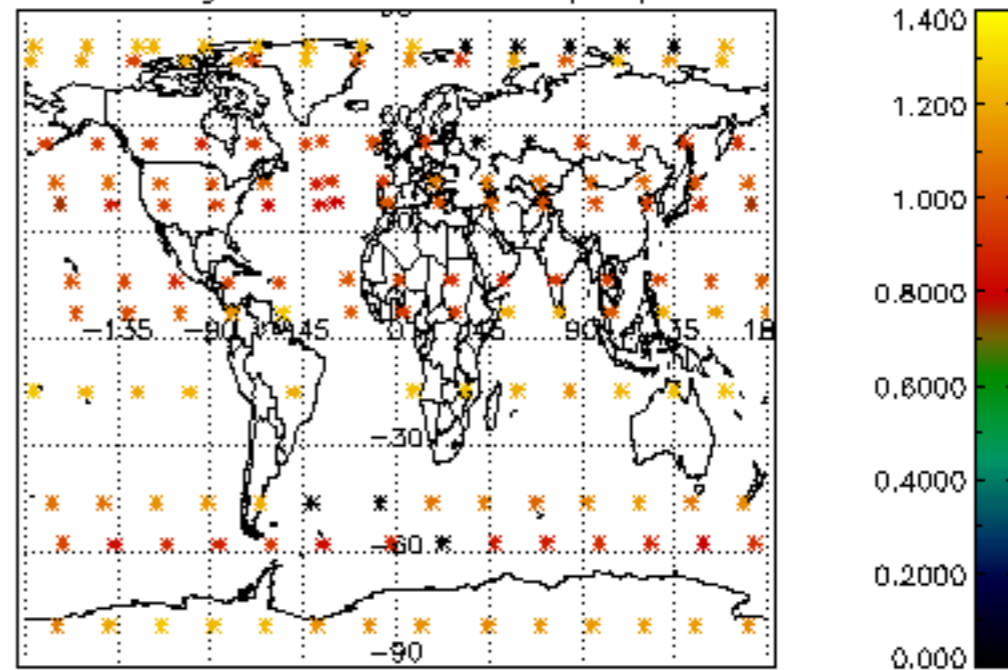




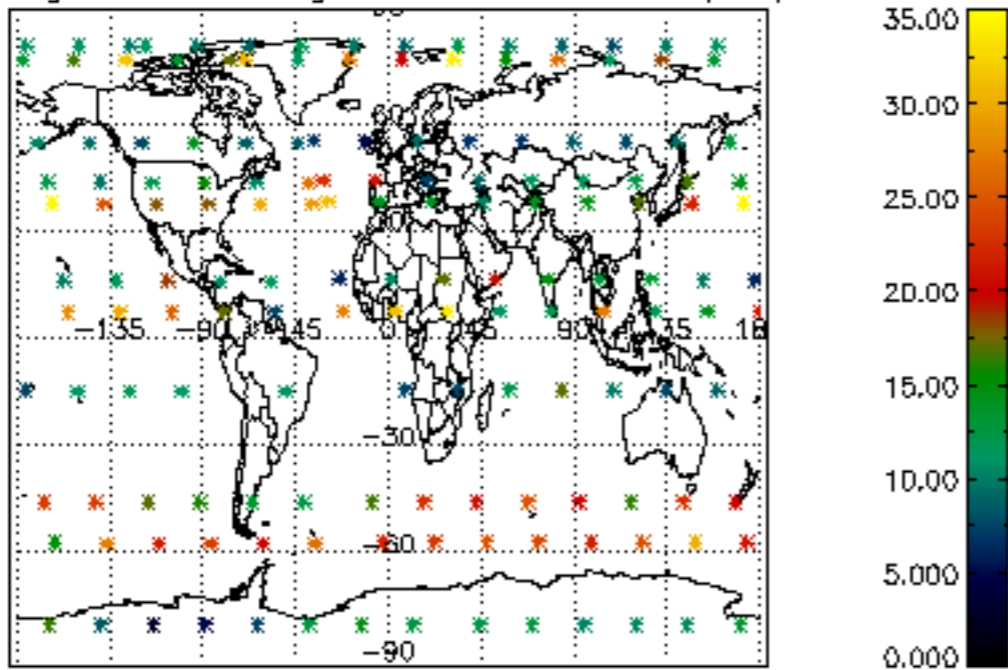
Percentage of cosmic ray hits per profile



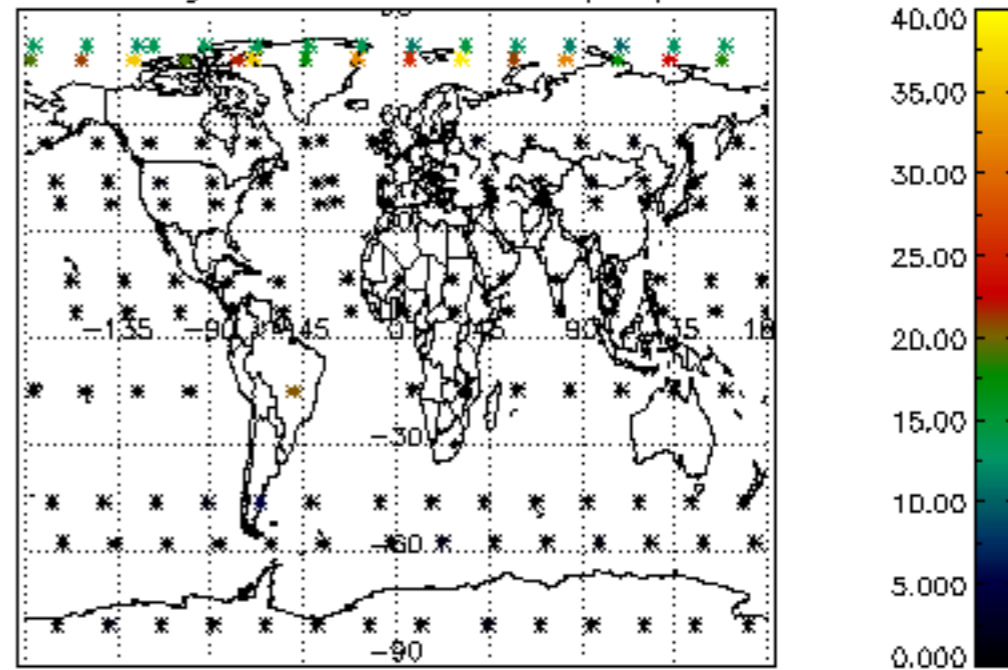
Percentage of datation errors per profile



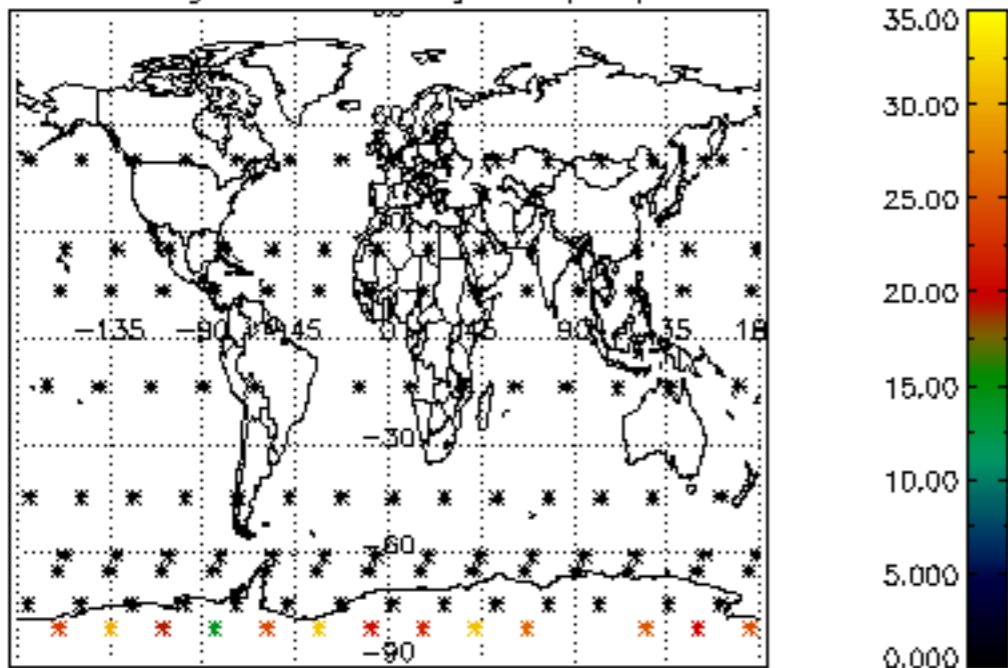
Percentage of star falling outside central band per profile



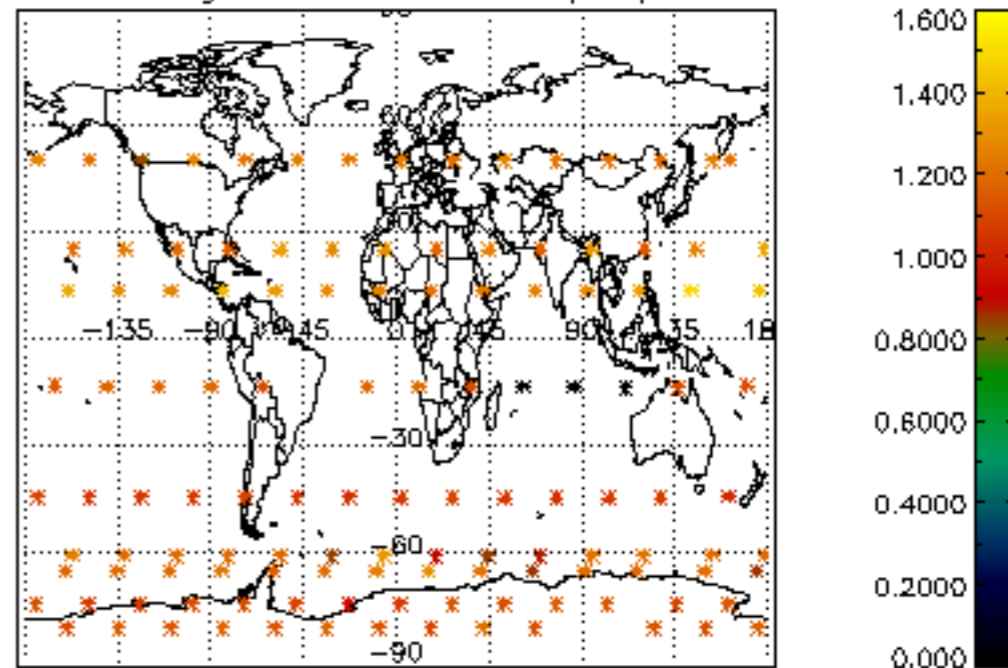
Percentage of saturation errors per profile



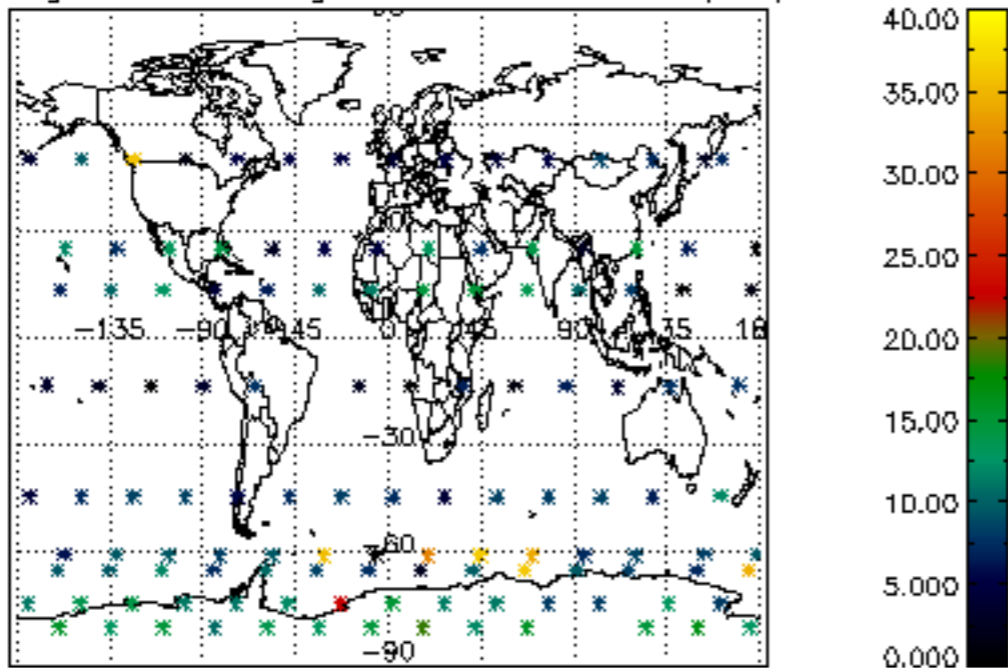
Percentage of cosmic ray hits per profile



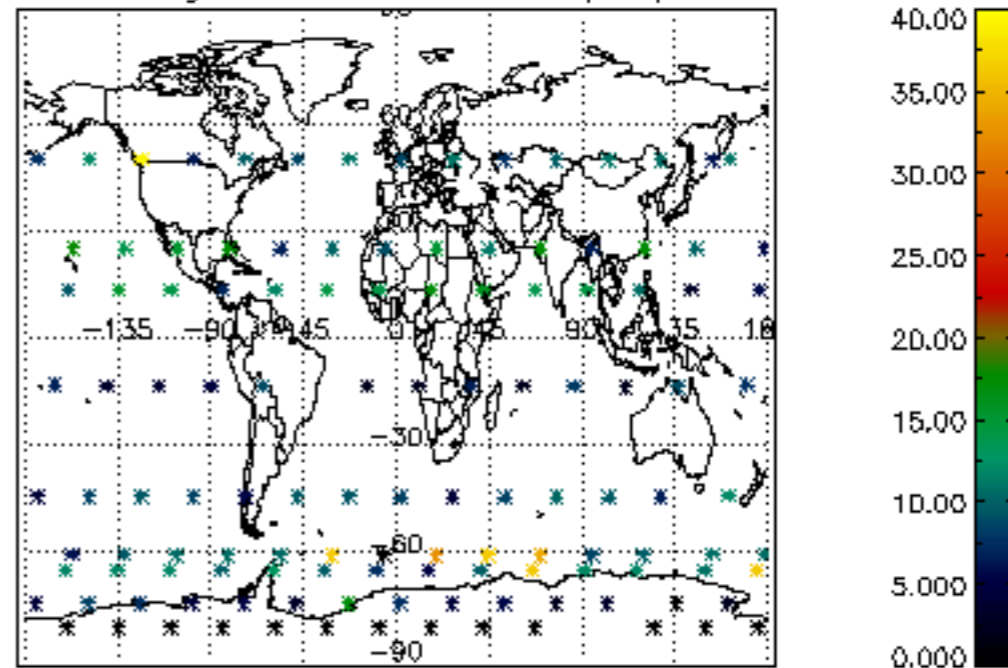
Percentage of datation errors per profile

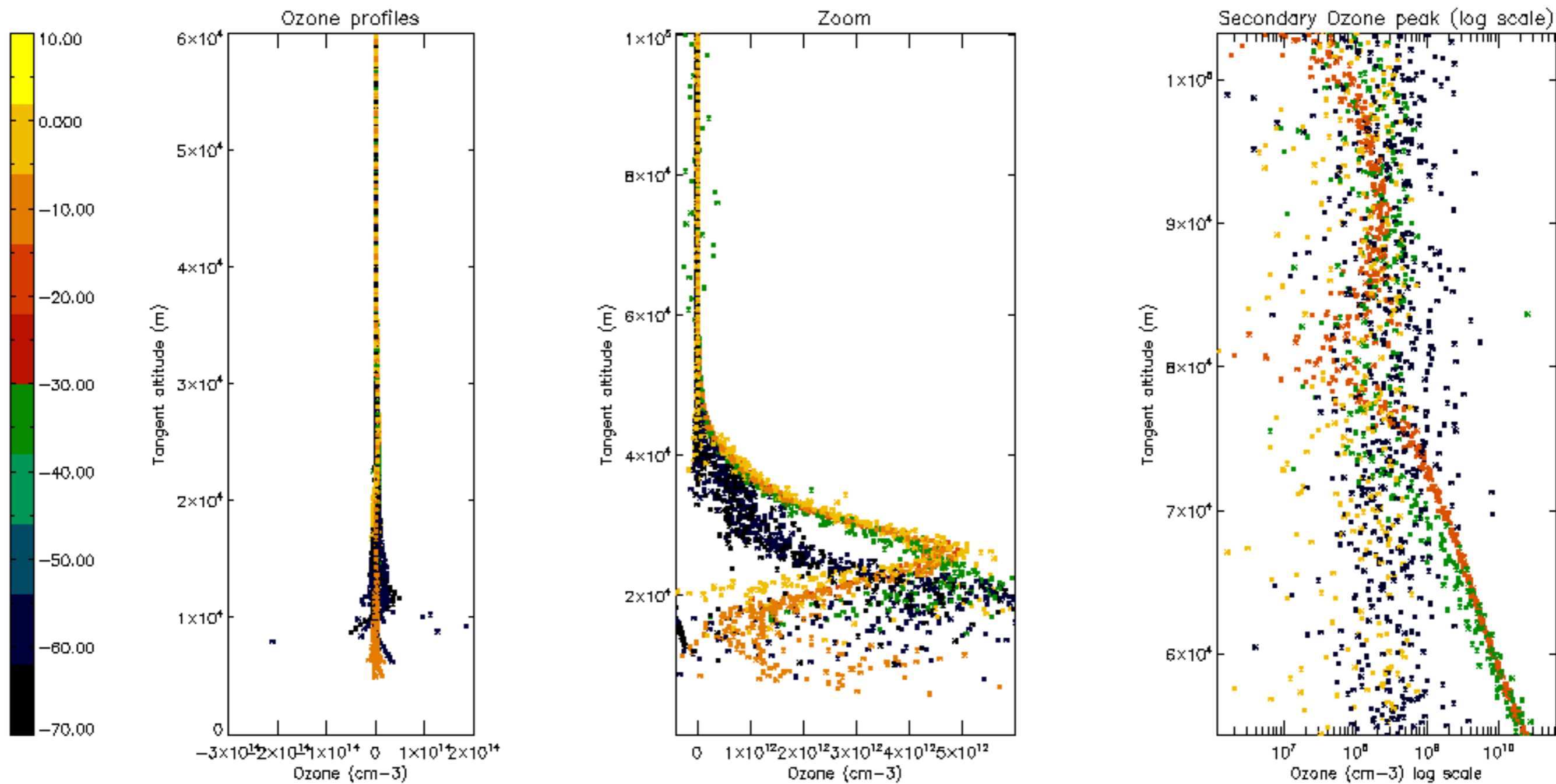


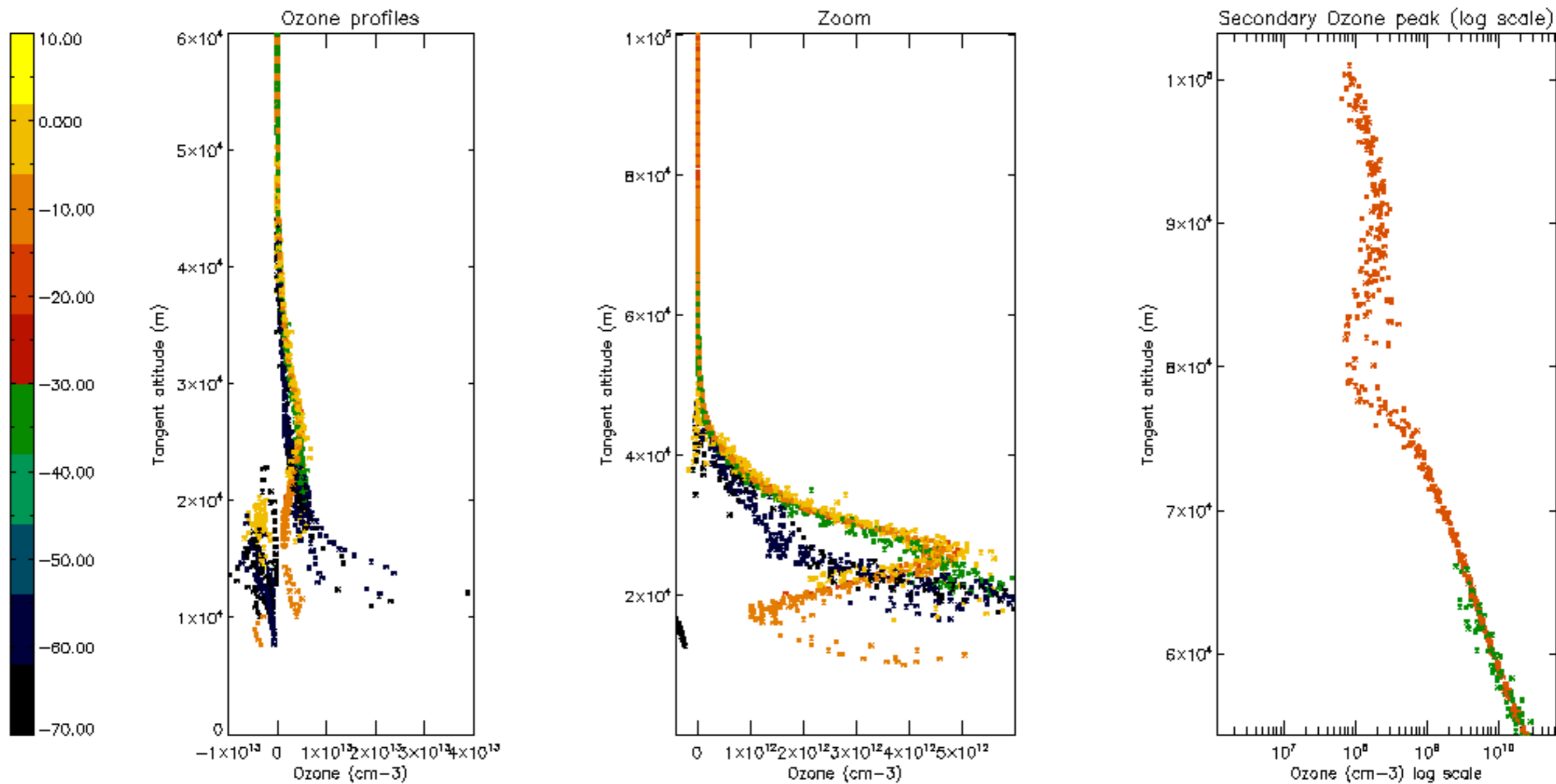
Percentage of star falling outside central band per profile

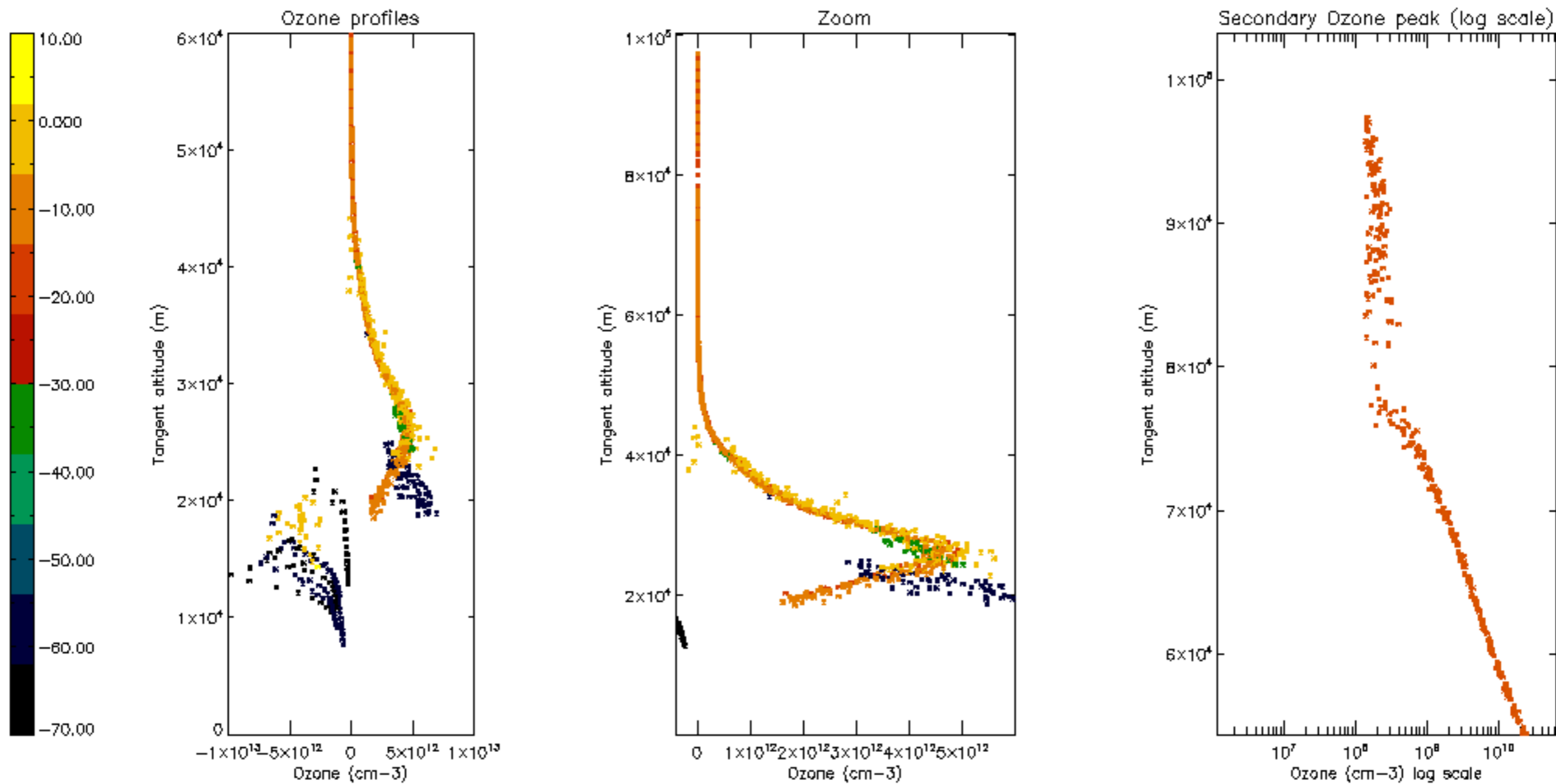


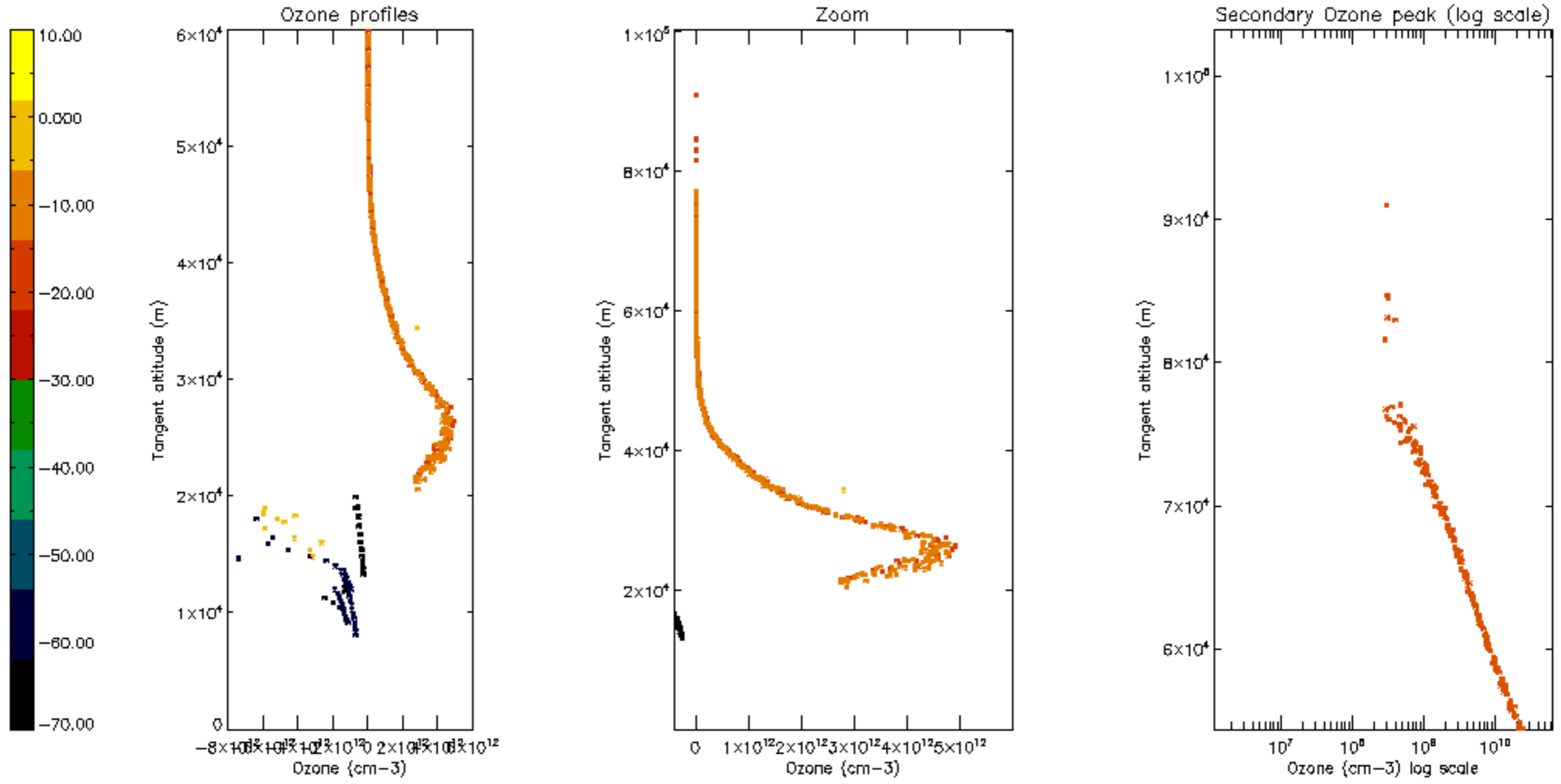
Percentage of saturation errors per profile

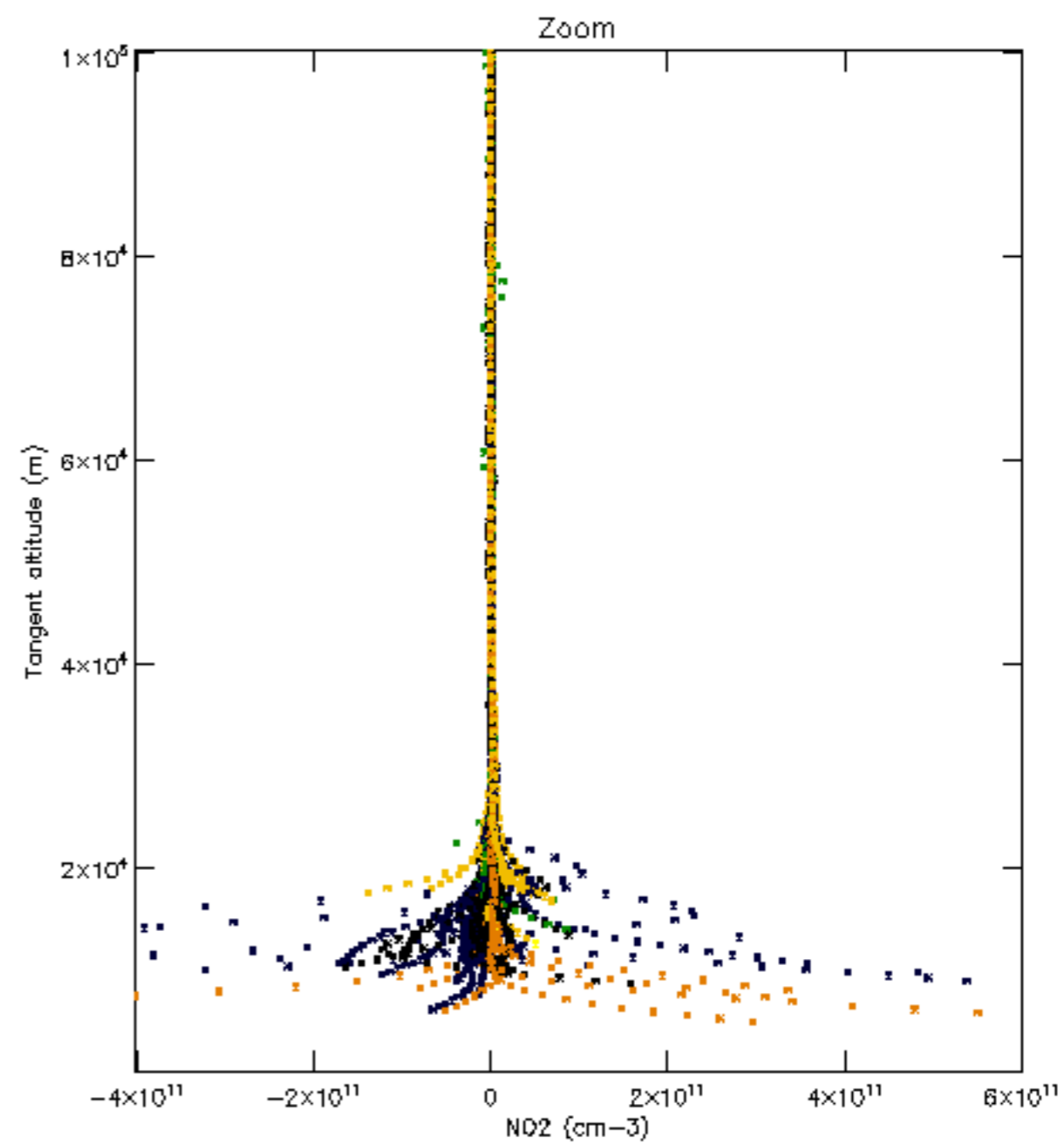
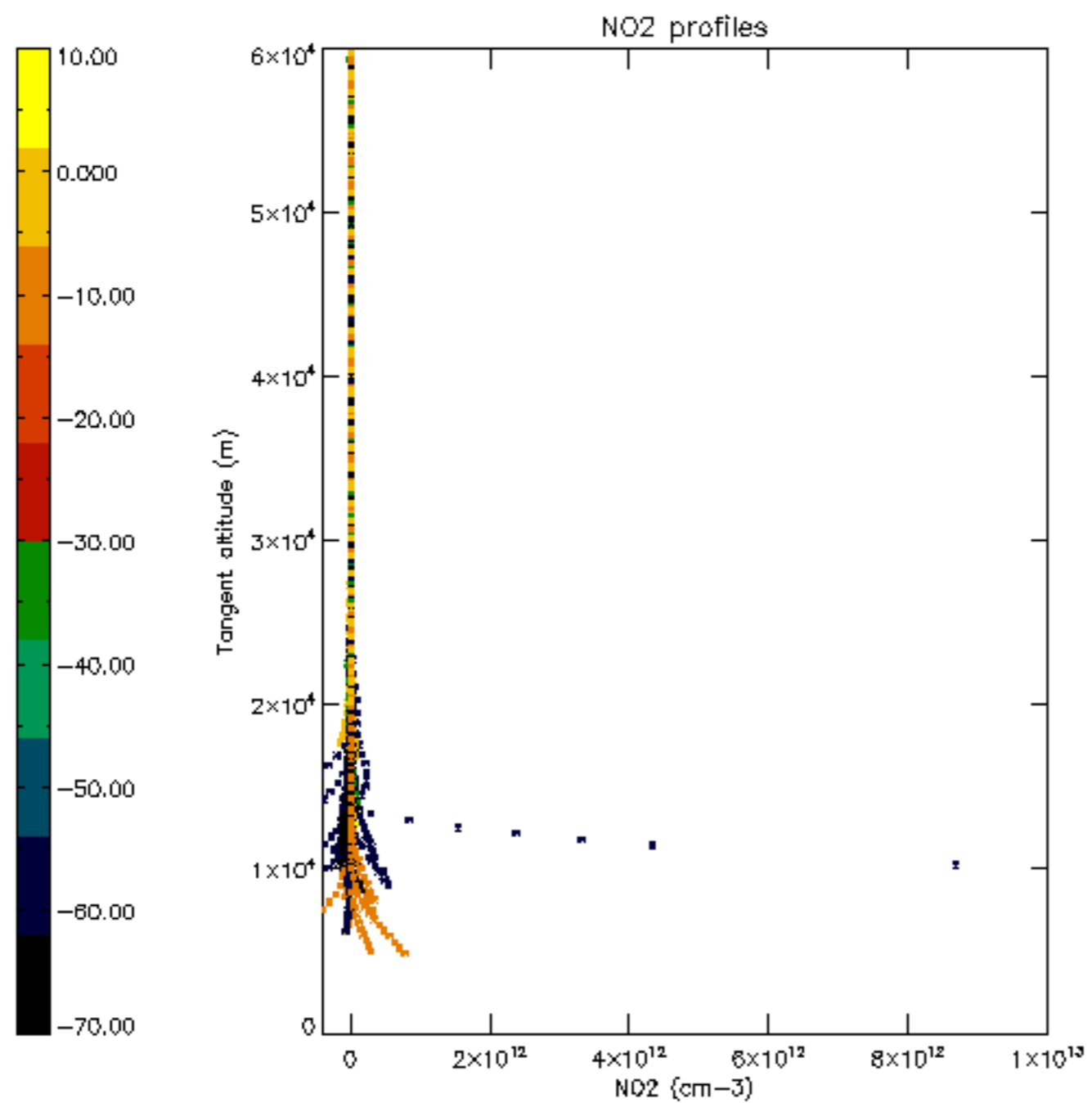


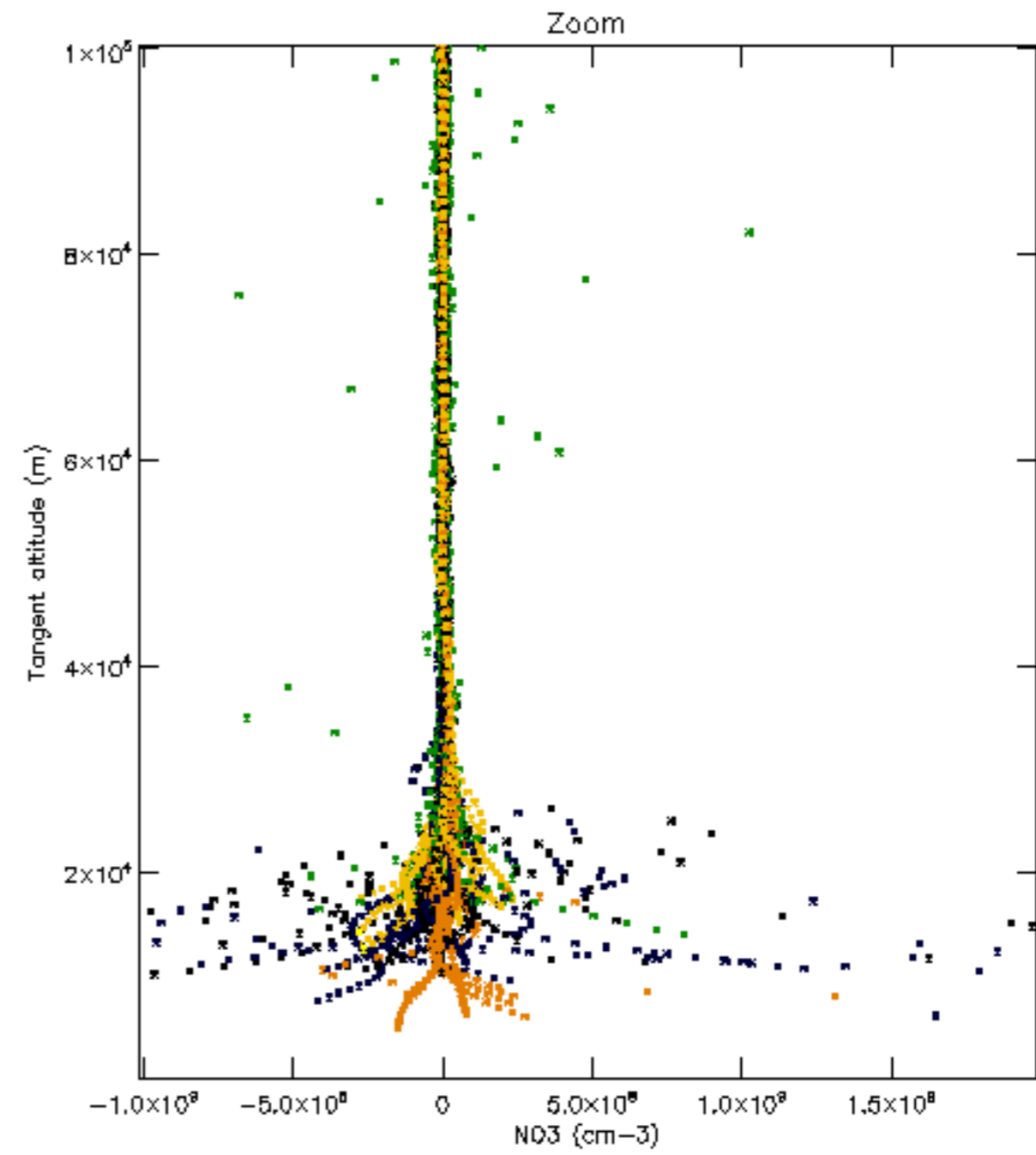
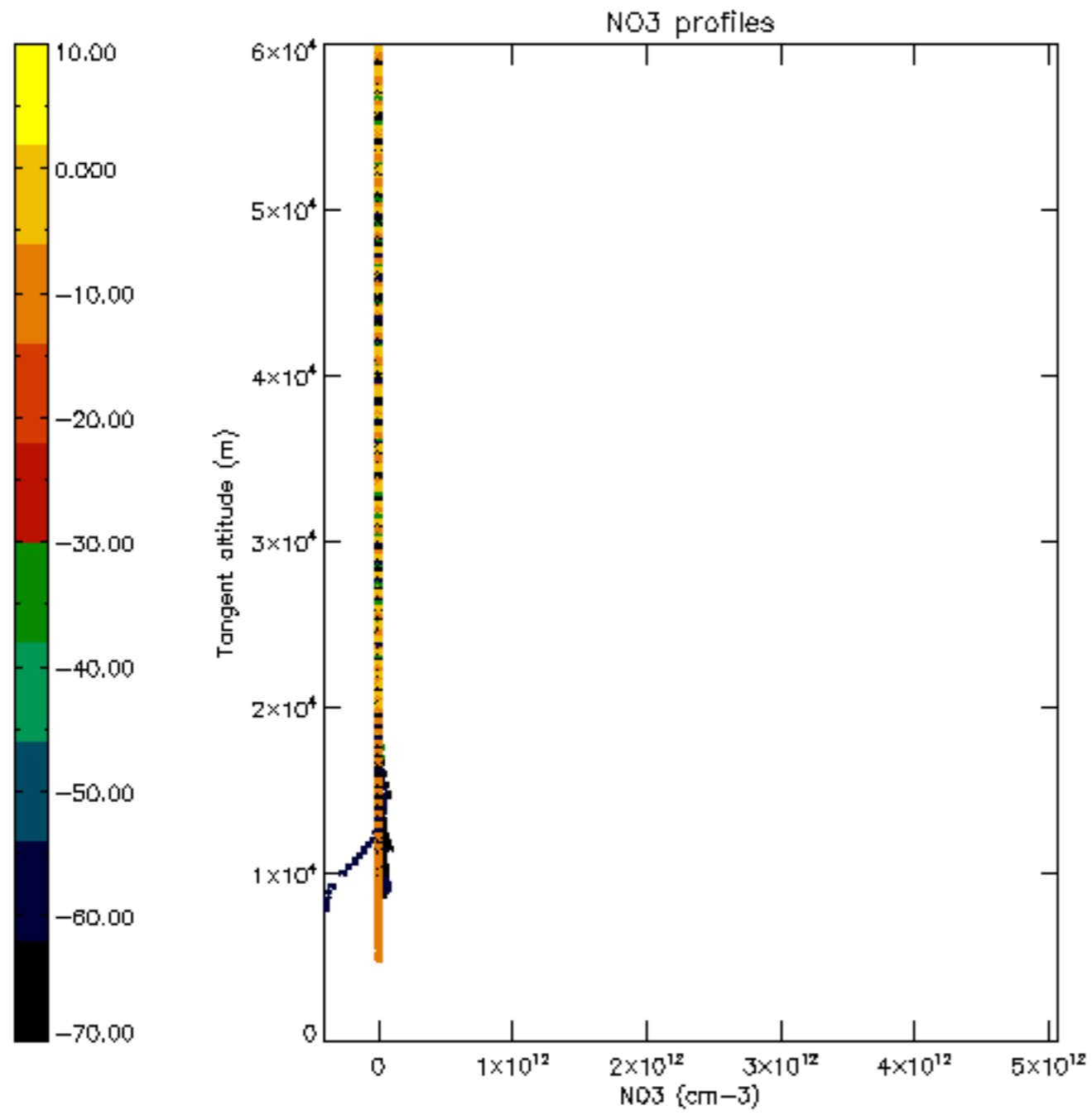


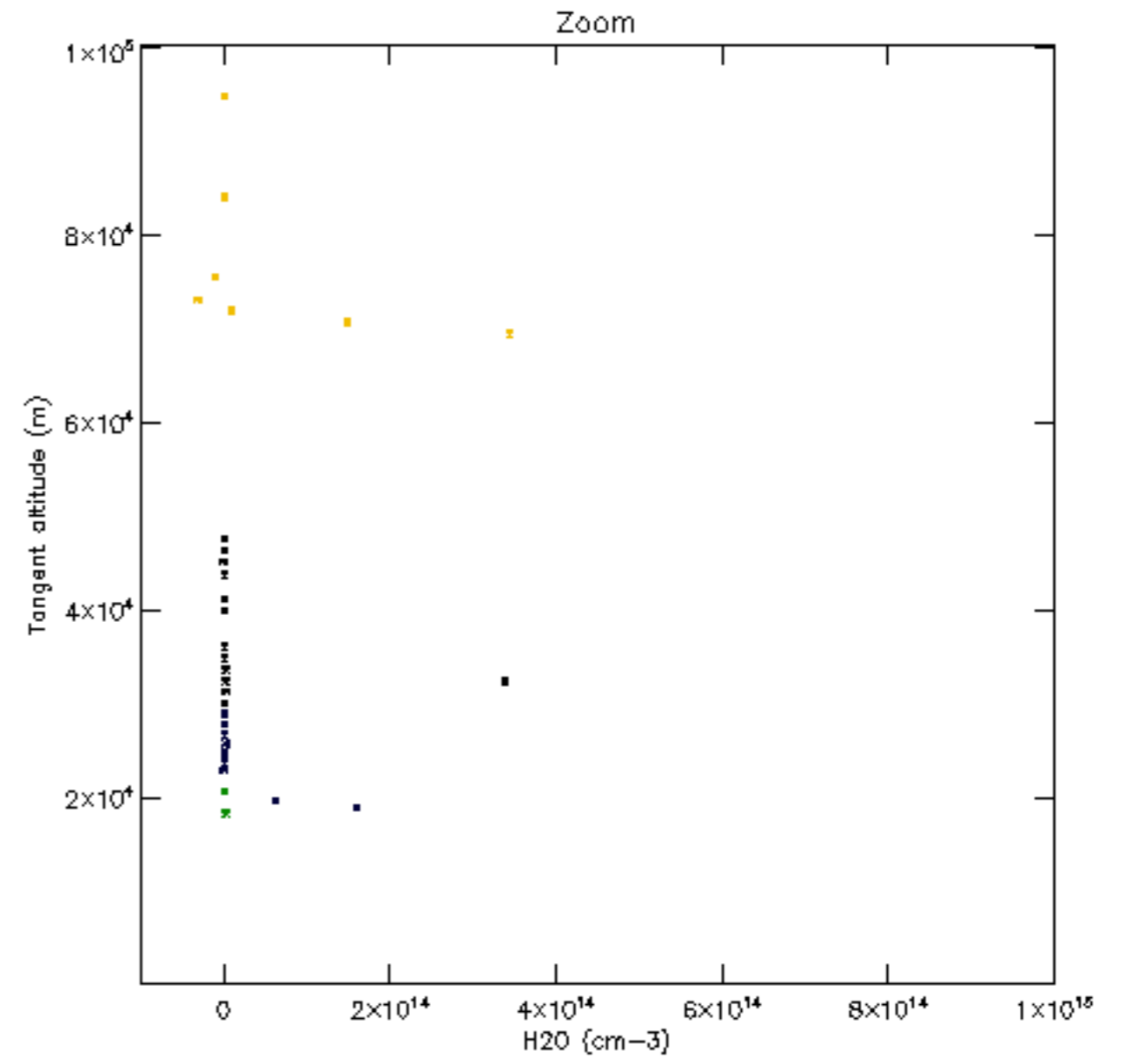
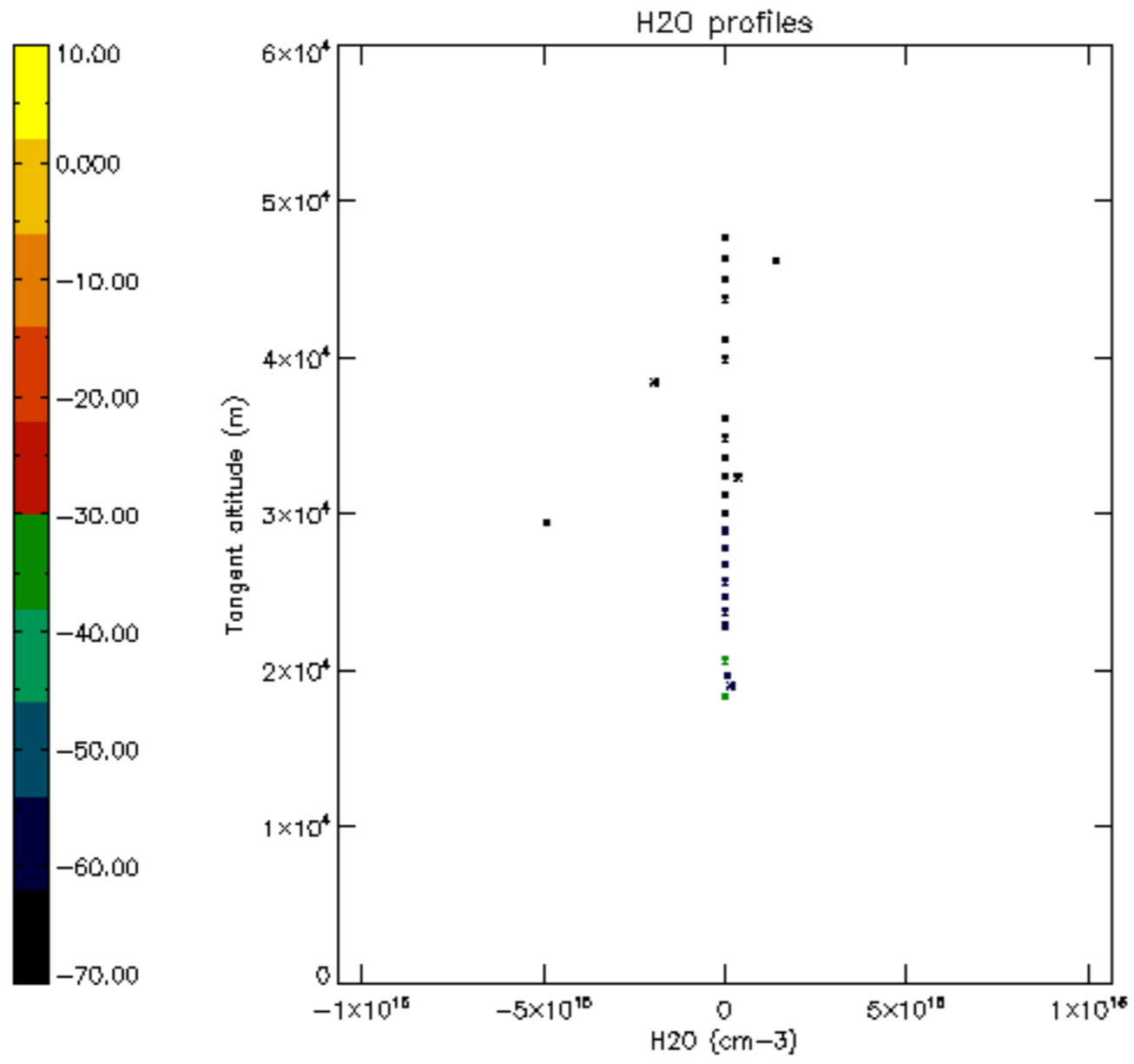


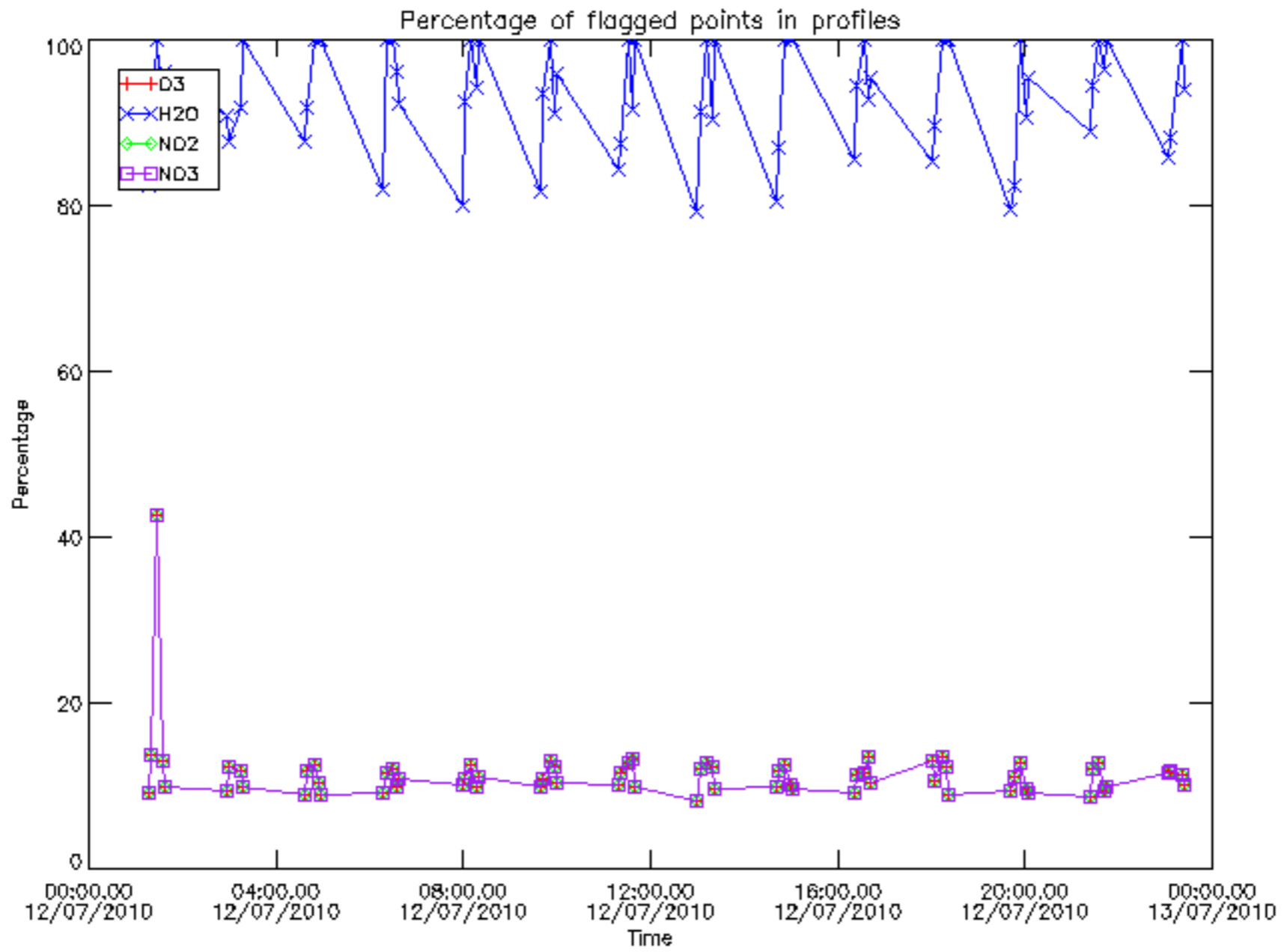




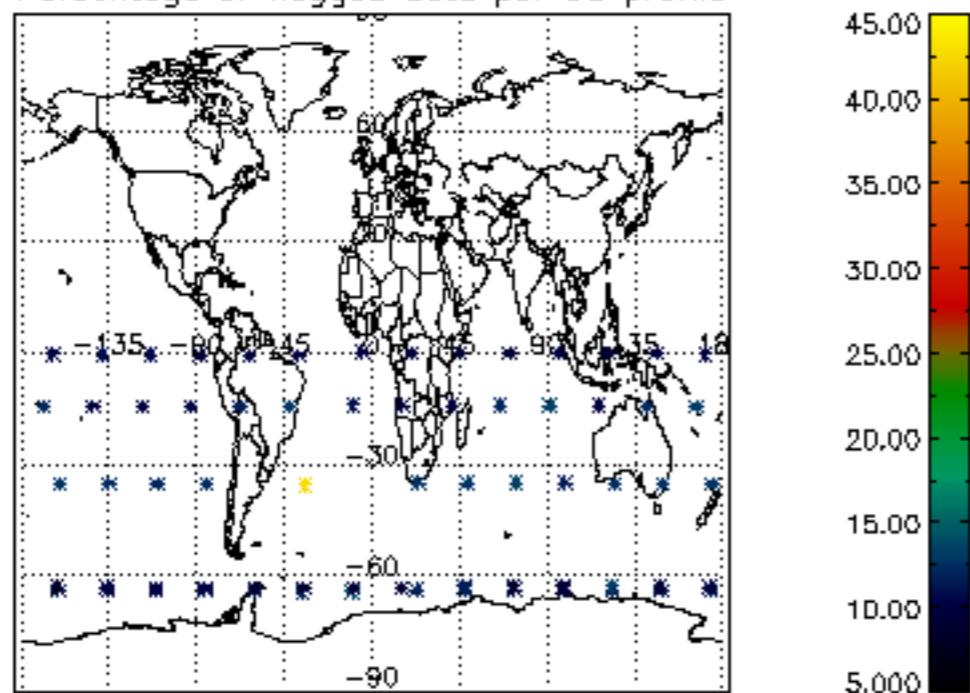




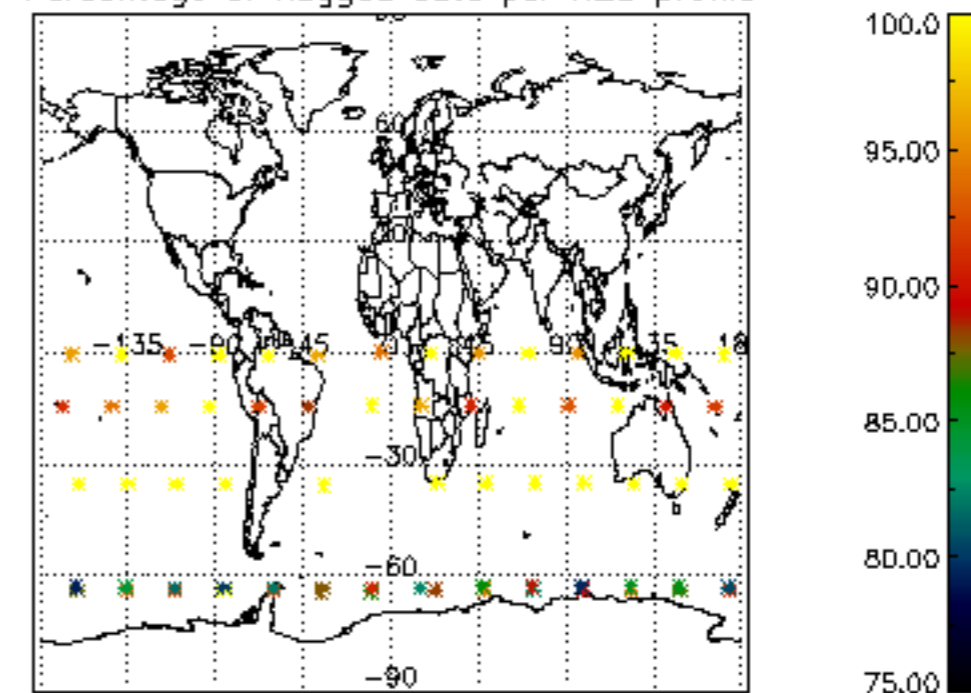




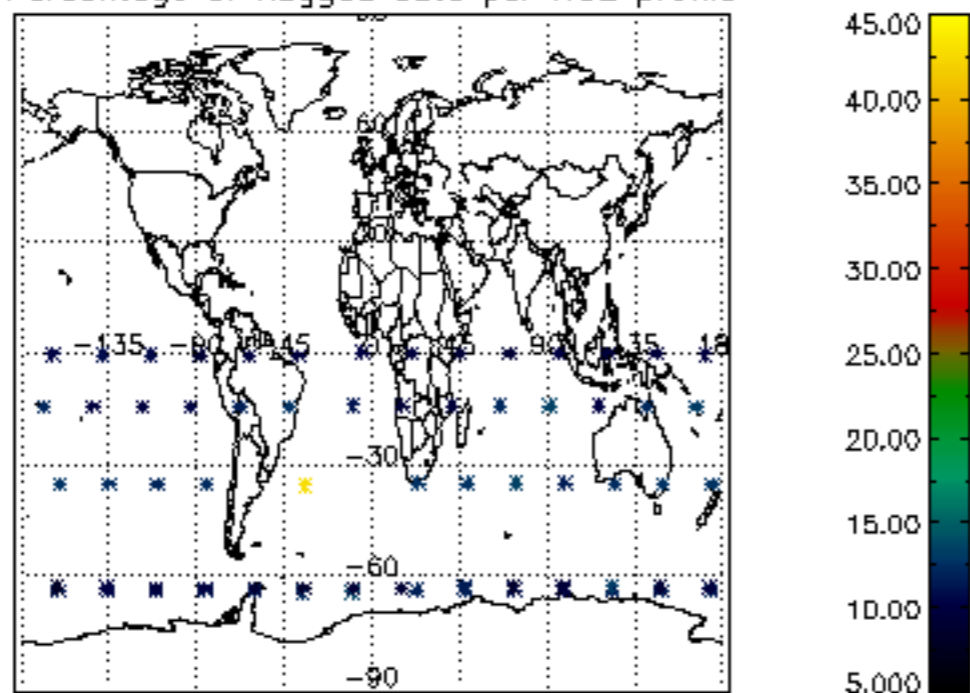
Percentage of flagged data per D3 profile



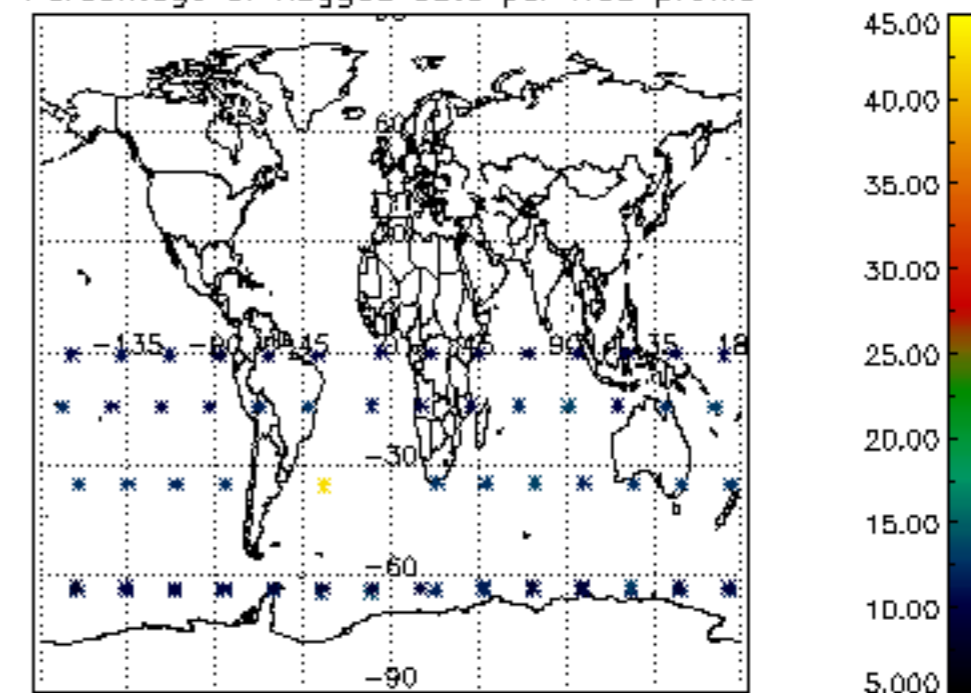
Percentage of flagged data per H2O profile

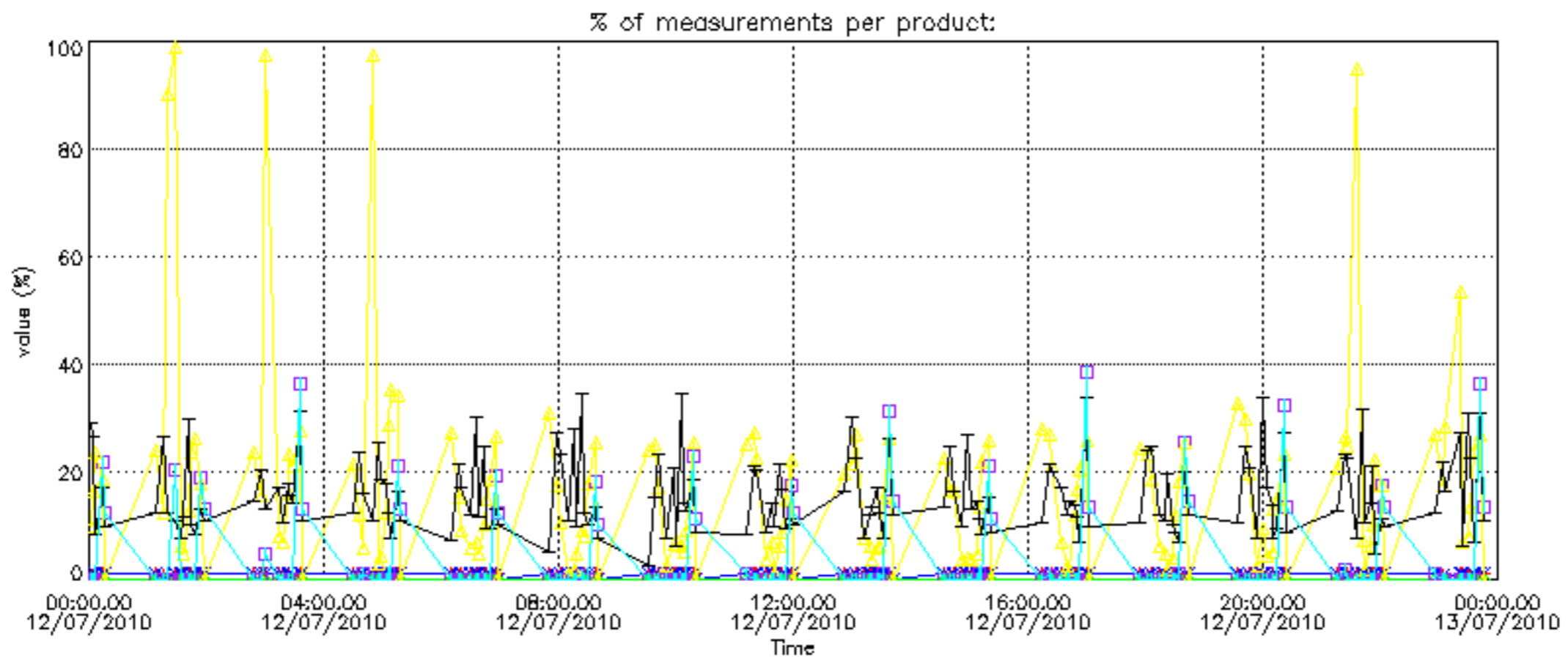


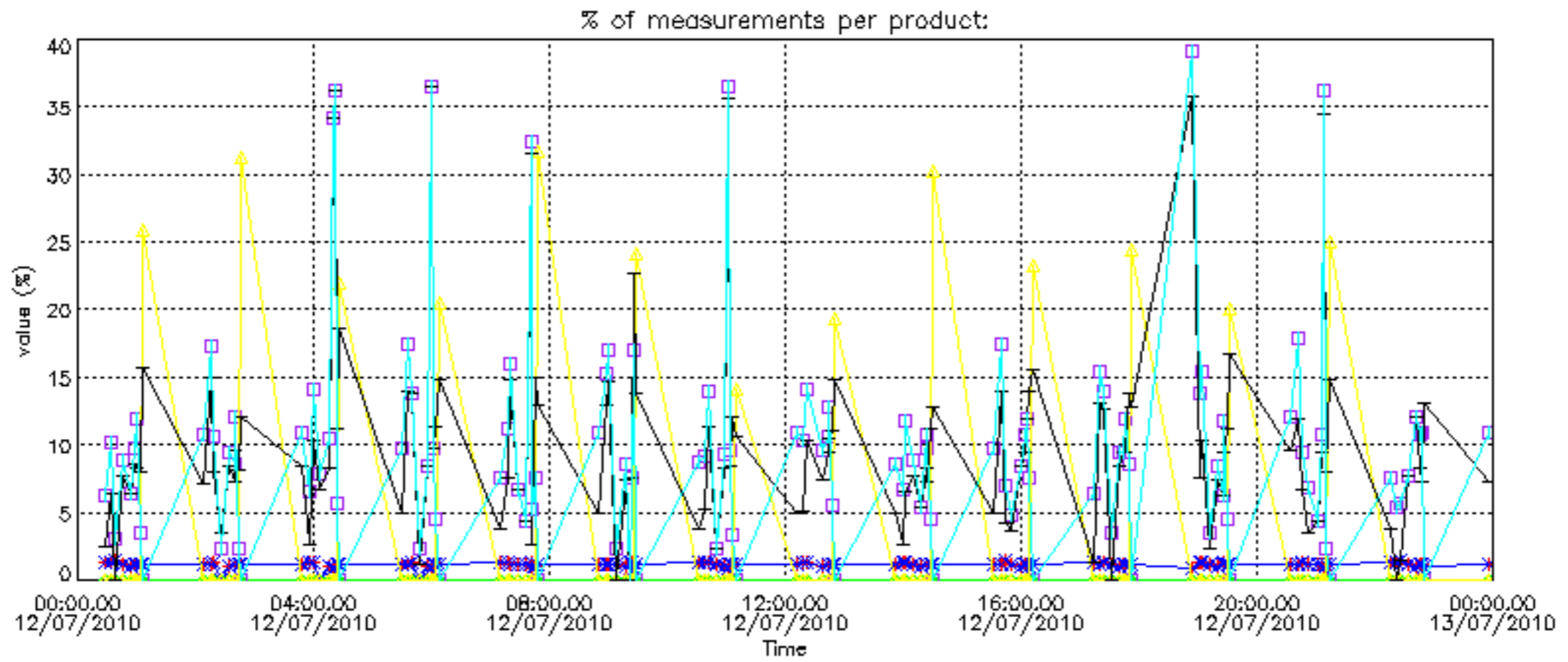
Percentage of flagged data per NO2 profile



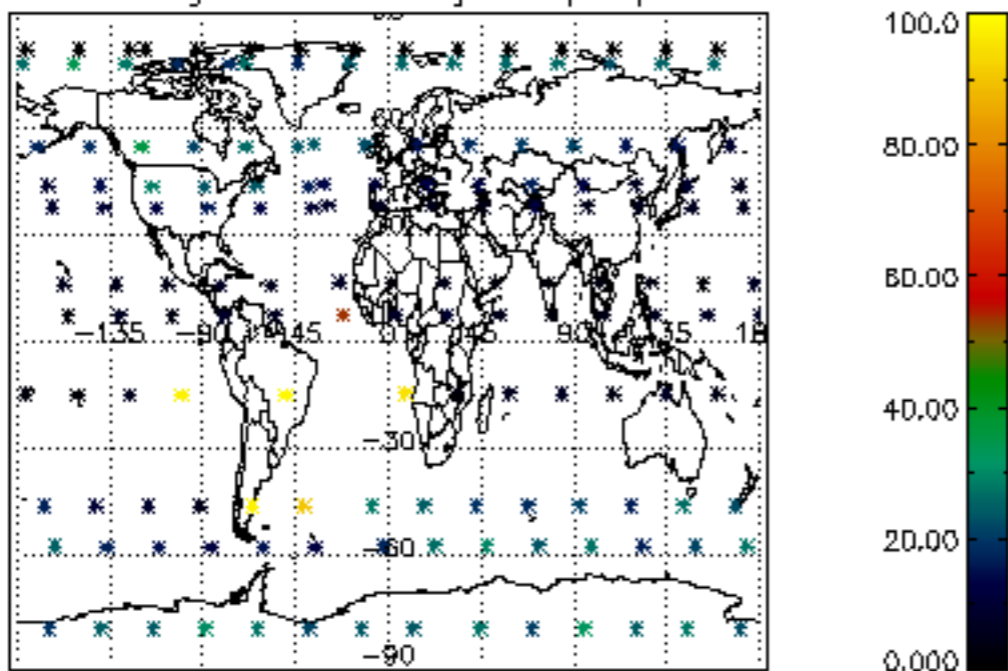
Percentage of flagged data per NO3 profile



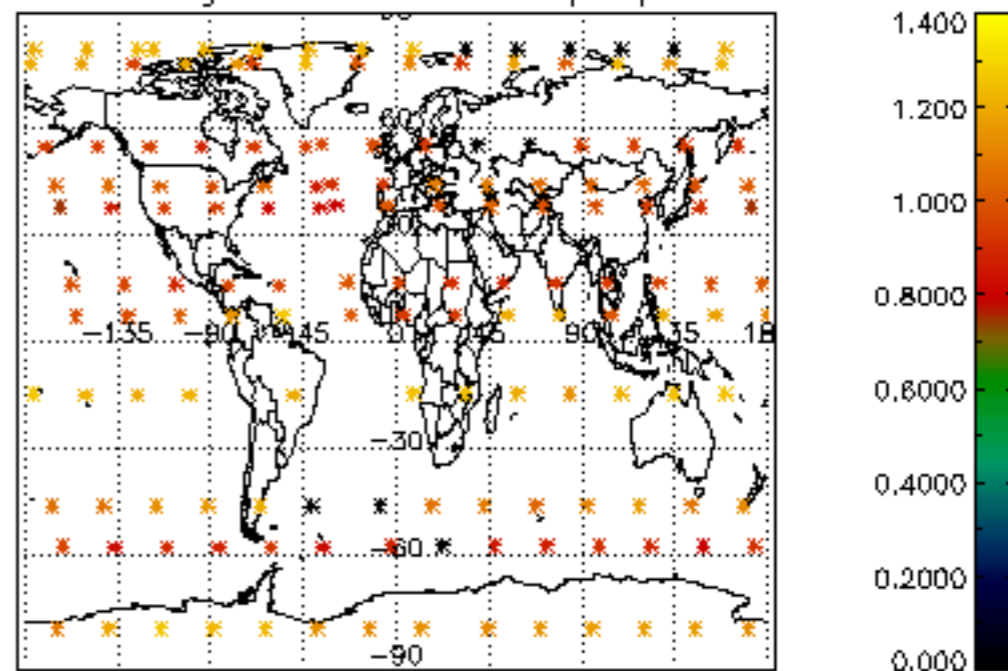




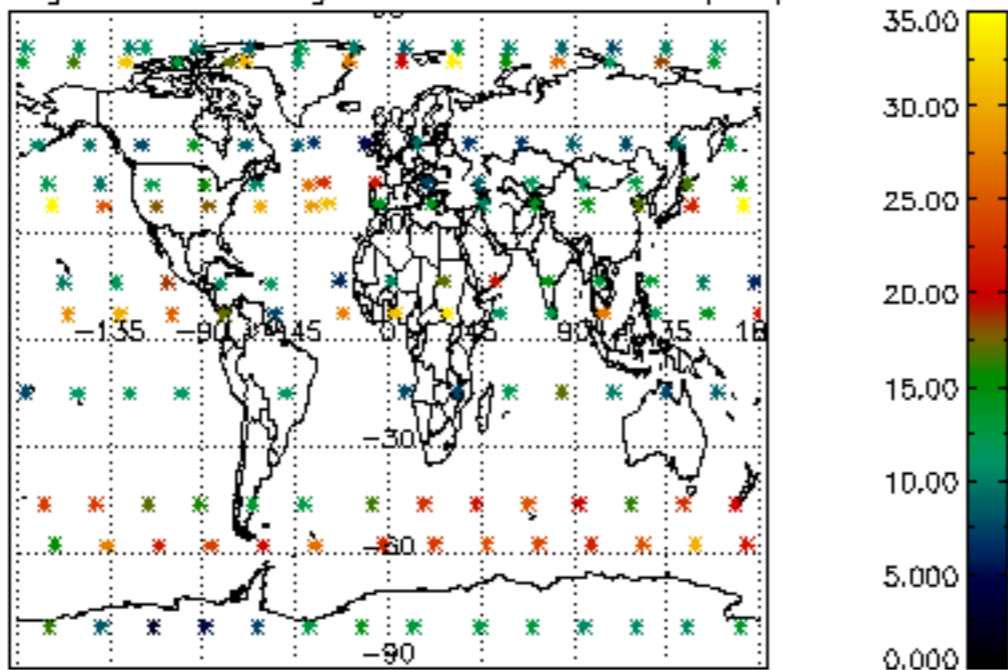
Percentage of cosmic ray hits per profile



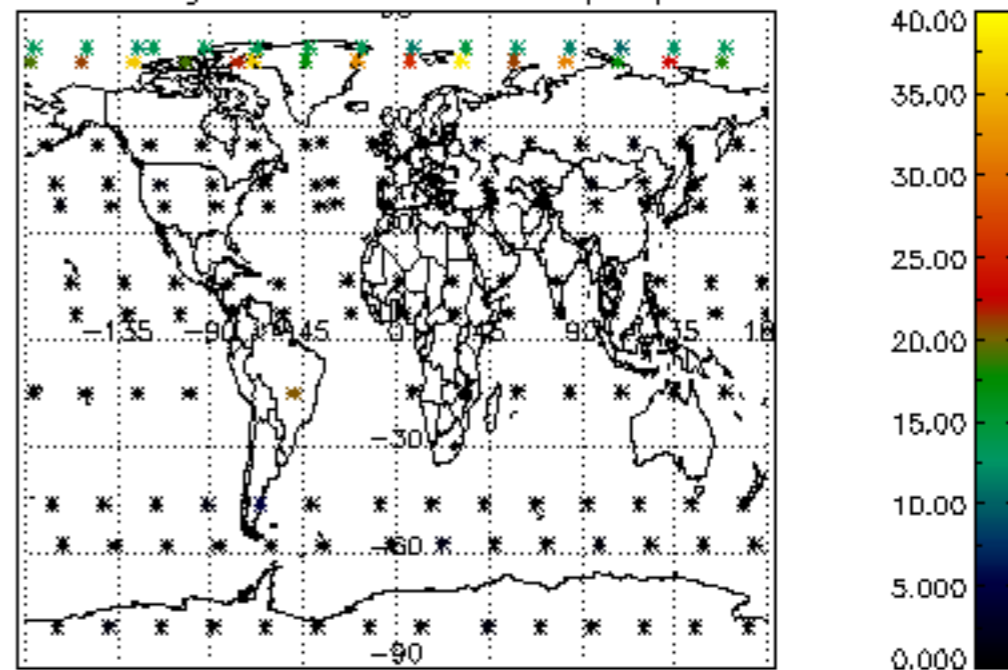
Percentage of datation errors per profile



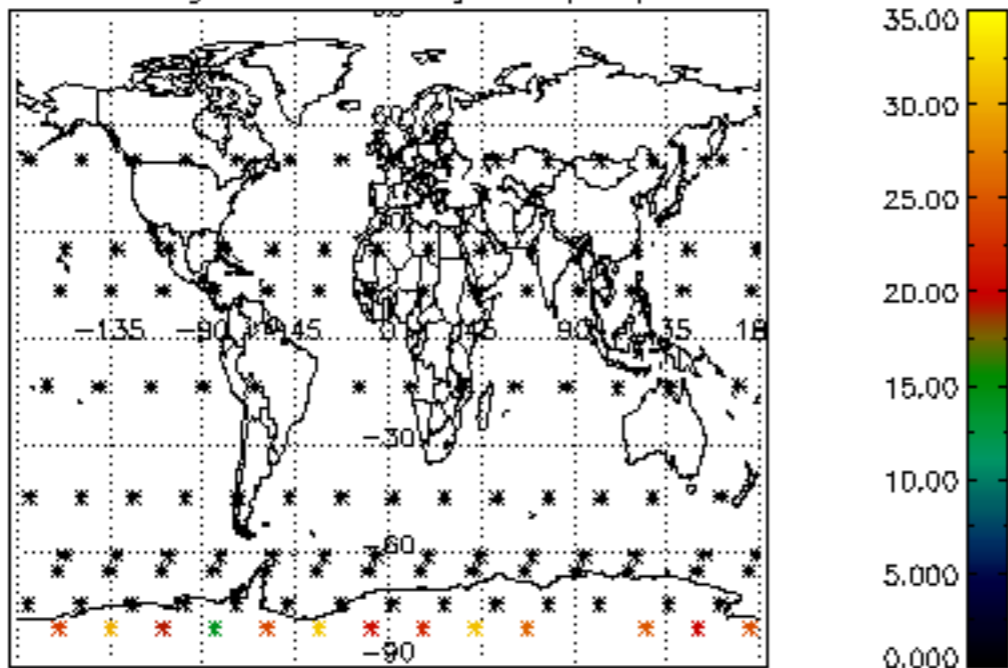
Percentage of star falling outside central band per profile



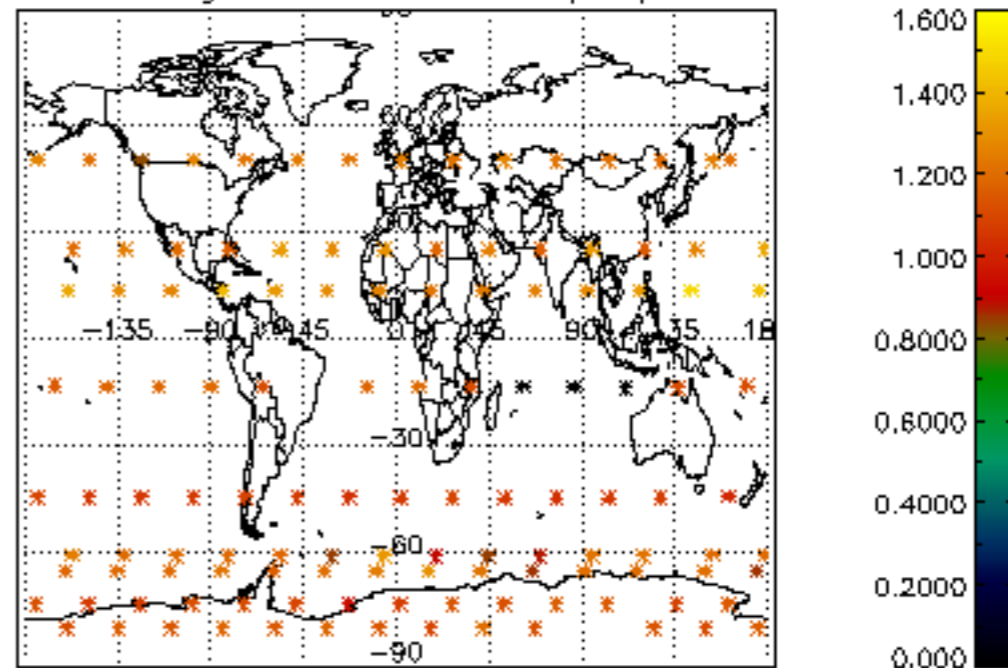
Percentage of saturation errors per profile



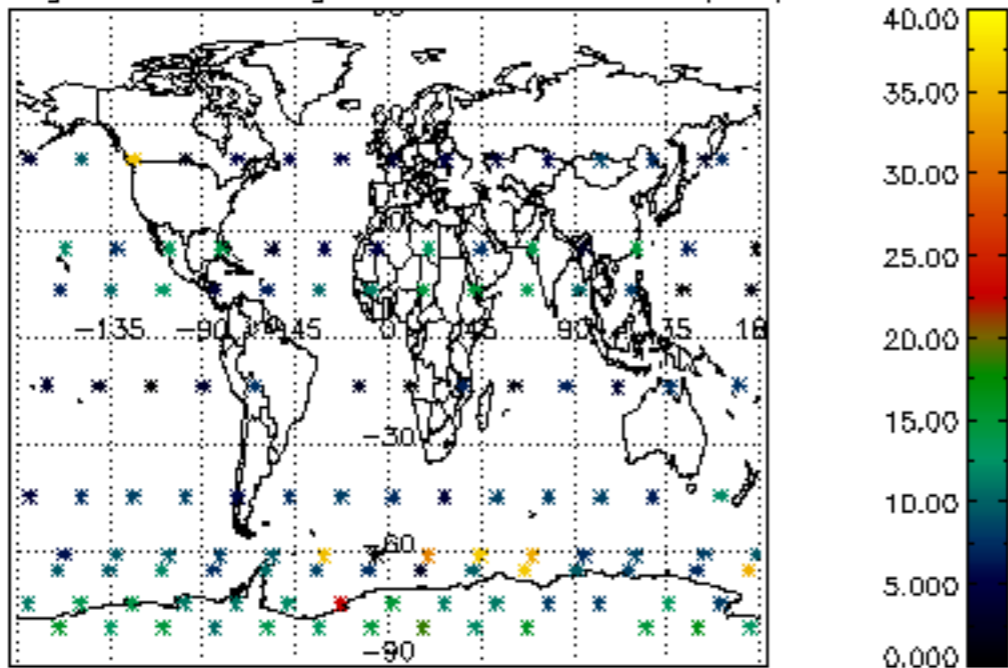
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

