

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	25APR2013 18:06:47
Data source version	GOMOS/6.01
Start time of products	27-07-2008 (27JUL2008 00:00:00)
Stop time of products	28-07-2008 (28JUL2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	260
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

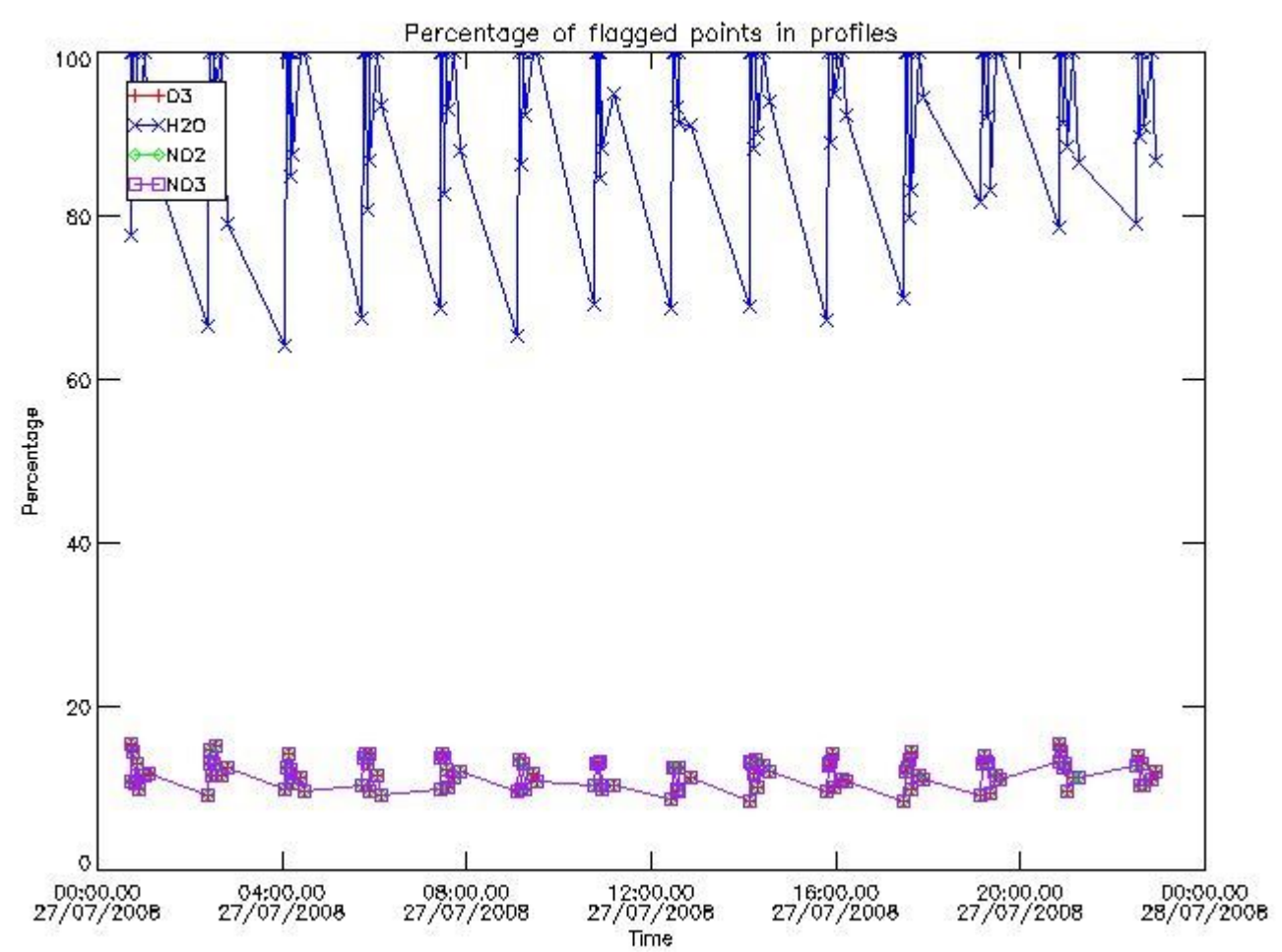
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080727_000541_000000372070_00374_33494_0085.N1	27-JUL-2008 00:05:41	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	33494	No
2	GOM_NL__2PRFIN20080727_000805_000000372070_00374_33494_0086.N1	27-JUL-2008 00:08:05	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	33494	No
3	GOM_NL__2PRFIN20080727_001455_000000412070_00374_33494_0087.N1	27-JUL-2008 00:14:55	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	33494	No
4	GOM_NL__2PRFIN20080727_002015_000000362070_00374_33494_0088.N1	27-JUL-2008 00:20:15	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33494	No
5	GOM_NL__2PRFIN20080727_003252_000000402070_00374_33494_0089.N1	27-JUL-2008 00:32:52	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	33494	No
6	GOM_NL__2PRFIN20080727_003756_000000392070_00374_33494_0090.N1	27-JUL-2008 00:37:56	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	33494	No
7	GOM_NL__2PRFIN20080727_004218_000000562070_00374_33494_0091.N1	27-JUL-2008 00:42:18	Dark	56.000	13	87Alp Tau	0.86700	3800.0	112	33494	No
8	GOM_NL__2PRFIN20080727_004421_000000372070_00374_33494_0092.N1	27-JUL-2008 00:44:21	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	33494	No
9	GOM_NL__2PRFIN20080727_004617_000000392070_00374_33494_0093.N1	27-JUL-2008 00:46:17	Dark	39.000	30	46Eps Ori	1.6940	30000.	78	33494	No
10	GOM_NL__2PRFIN20080727_004838_000000492070_00374_33494_0094.N1	27-JUL-2008 00:48:38	Dark	48.500	7	19Bet Ori	0.10000	14000.	97	33494	No
11	GOM_NL__2PRFIN20080727_005054_000000402070_00374_33494_0095.N1	27-JUL-2008 00:50:54	Dark	39.500	101	11Alp Lep	2.5820	7000.0	79	33494	No
12	GOM_NL__2PRFIN20080727_005241_000000512070_00374_33494_0096.N1	27-JUL-2008 00:52:41	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	33494	No
13	GOM_NL__2PRFIN20080727_010203_000000442070_00374_33494_0097.N1	27-JUL-2008 01:02:03	Dark	44.000	157	The1Eri	2.9060	9300.0	88	33494	No
14	GOM_NL__2PRFIN20080727_010750_000000432070_00375_33495_0089.N1	27-JUL-2008 01:07:50	Dark	43.000	9	Alp Eri	0.45300	24000.	86	33495	No
15	GOM_NL__2PRFIN20080727_011457_000000392070_00375_33495_0090.N1	27-JUL-2008 01:14:57	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	33495	No
16	GOM_NL__2PRFIN20080727_011811_000000462070_00375_33495_0091.N1	27-JUL-2008 01:18:11	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	33495	No
17	GOM_NL__2PRFIN20080727_012914_000000382070_00375_33495_0092.N1	27-JUL-2008 01:29:14	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	33495	No
18	GOM_NL__2PRFIN20080727_013755_000000392070_00375_33495_0093.N1	27-JUL-2008 01:37:55	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	33495	No
19	GOM_NL__2PRFIN20080727_014616_000000372070_00375_33495_0094.N1	27-JUL-2008 01:46:16	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	33495	No
20	GOM_NL__2PRFIN20080727_014841_000000372070_00375_33495_0095.N1	27-JUL-2008 01:48:41	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	33495	No
21	GOM_NL__2PRFIN20080727_015531_000000402070_00375_33495_0096.N1	27-JUL-2008 01:55:31	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	33495	No
22	GOM_NL__2PRFIN20080727_020051_000000332070_00375_33495_0097.N1	27-JUL-2008 02:00:51	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	33495	No
23	GOM_NL__2PRFIN20080727_021328_000000412070_00375_33495_0098.N1	27-JUL-2008 02:13:28	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	33495	No
24	GOM_NL__2PRFIN20080727_021833_000000392070_00375_33495_0099.N1	27-JUL-2008 02:18:33	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	33495	No
25	GOM_NL__2PRFIN20080727_022254_000000562070_00375_33495_0100.N1	27-JUL-2008 02:22:54	Dark	55.500	13	87Alp Tau	0.86700	3800.0	111	33495	No
26	GOM_NL__2PRFIN20080727_022458_000000402070_00375_33495_0101.N1	27-JUL-2008 02:24:58	Dark	39.500	27	24Gam Ori	1.6360	26000.	79	33495	No
27	GOM_NL__2PRFIN20080727_022653_000000382070_00375_33495_0102.N1	27-JUL-2008 02:26:53	Dark	38.000	30	46Eps Ori	1.6940	30000.	76	33495	No
28	GOM_NL__2PRFIN20080727_022915_000000442070_00375_33495_0103.N1	27-JUL-2008 02:29:15	Dark	44.000	7	19Bet Ori	0.10000	14000.	88	33495	No
29	GOM_NL__2PRFIN20080727_023130_000000392070_00375_33495_0104.N1	27-JUL-2008 02:31:30	Dark	39.000	101	11Alp Lep	2.5820	7000.0	78	33495	No
30	GOM_NL__2PRFIN20080727_023318_000000542070_00375_33495_0105.N1	27-JUL-2008 02:33:18	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	33495	No
31	GOM_NL__2PRFIN20080727_024239_000000442070_00375_33495_0106.N1	27-JUL-2008 02:42:39	Dark	44.000	157	The1Eri	2.9060	9300.0	88	33495	No
32	GOM_NL__2PRFIN20080727_024826_000000412070_00376_33496_0088.N1	27-JUL-2008 02:48:26	Dark	41.000	9	Alp Eri	0.45300	24000.	82	33496	No
33	GOM_NL__2PRFIN20080727_025533_000000432070_00376_33496_0089.N1	27-JUL-2008 02:55:33	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	33496	No
34	GOM_NL__2PRFIN20080727_025848_000000522070_00376_33496_0090.N1	27-JUL-2008 02:58:48	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	33496	No
35	GOM_NL__2PRFIN20080727_030950_000000352070_00376_33496_0091.N1	27-JUL-2008 03:09:50	Bright	35.000	155	41Pi Sgr	2.9000	6600.0	70	33496	No
36	GOM_NL__2PRFIN20080727_031831_000000412070_00376_33496_0092.N1	27-JUL-2008 03:18:31	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	33496	No
37	GOM_NL__2PRFIN20080727_032652_000000342070_00376_33496_0093.N1	27-JUL-2008 03:26:52	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	33496	No
38	GOM_NL__2PRFIN20080727_032916_000000392070_00376_33496_0094.N1	27-JUL-2008 03:29:16	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	33496	No
39	GOM_NL__2PRFIN20080727_033606_000000372070_00376_33496_0095.N1	27-JUL-2008 03:36:06	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33496	No
40	GOM_NL__2PRFIN20080727_034127_000000372070_00376_33496_0096.N1	27-JUL-2008 03:41:27	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33496	No
41	GOM_NL__2PRFIN20080727_035404_000000392070_00376_33496_0097.N1	27-JUL-2008 03:54:04	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	33496	No
42	GOM_NL__2PRFIN20080727_035909_000000402070_00376_33496_0098.N1	27-JUL-2008 03:59:09	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	33496	No

220	GOM_NL__2PRFIN20080727_201513_000000372070_00386_33506_0271.N1	27-JUL-2008 20:15:13	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	33506	No
221	GOM_NL__2PRFIN20080727_202201_000000402070_00386_33506_0272.N1	27-JUL-2008 20:22:01	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	33506	No
222	GOM_NL__2PRFIN20080727_202726_000000362070_00386_33506_0273.N1	27-JUL-2008 20:27:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33506	No
223	GOM_NL__2PRFIN20080727_204004_000000412070_00386_33506_0274.N1	27-JUL-2008 20:40:04	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	33506	No
224	GOM_NL__2PRFIN20080727_204510_000000402070_00386_33506_0275.N1	27-JUL-2008 20:45:10	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	33506	No
225	GOM_NL__2PRFIN20080727_204712_000000382070_00386_33506_0276.N1	27-JUL-2008 20:47:12	Tw_i_and_stray	37.500	176	23Zet Tau	3.0200	22000.	75	33506	No
226	GOM_NL__2PRFIN20080727_204933_000000432070_00386_33506_0277.N1	27-JUL-2008 20:49:33	Dark	42.500	13	87Alp Tau	0.86700	3800.0	85	33506	No
227	GOM_NL__2PRFIN20080727_205136_000000372070_00386_33506_0278.N1	27-JUL-2008 20:51:36	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	33506	No
228	GOM_NL__2PRFIN20080727_205331_000000362070_00386_33506_0279.N1	27-JUL-2008 20:53:31	Dark	35.500	30	46Eps Ori	1.6940	30000.	71	33506	No
229	GOM_NL__2PRFIN20080727_205554_000000412070_00386_33506_0280.N1	27-JUL-2008 20:55:54	Dark	41.000	7	19Bet Ori	0.10000	14000.	82	33506	No
230	GOM_NL__2PRFIN20080727_205809_000000392070_00386_33506_0281.N1	27-JUL-2008 20:58:09	Dark	39.000	101	11Alp Lep	2.5820	7000.0	78	33506	No
231	GOM_NL__2PRFIN20080727_210002_000000532070_00386_33506_0282.N1	27-JUL-2008 21:00:02	Dark	52.500	165	34Gam Eri	2.9500	3200.0	105	33506	No
232	GOM_NL__2PRFIN20080727_210924_000000452070_00386_33506_0283.N1	27-JUL-2008 21:09:24	Dark	45.000	157	The1Eri	2.9060	9300.0	90	33506	No
233	GOM_NL__2PRFIN20080727_211509_000000452070_00387_33507_0247.N1	27-JUL-2008 21:15:09	Dark	45.000	9	Alp Eri	0.45300	24000.	90	33507	No
234	GOM_NL__2PRFIN20080727_212214_000000412070_00387_33507_0248.N1	27-JUL-2008 21:22:14	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33507	No
235	GOM_NL__2PRFIN20080727_212529_000000452070_00387_33507_0249.N1	27-JUL-2008 21:25:29	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	33507	No
236	GOM_NL__2PRFIN20080727_213627_000000382070_00387_33507_0250.N1	27-JUL-2008 21:36:27	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	33507	No
237	GOM_NL__2PRFIN20080727_214505_000000392070_00387_33507_0251.N1	27-JUL-2008 21:45:05	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	33507	No
238	GOM_NL__2PRFIN20080727_215328_000000372070_00387_33507_0252.N1	27-JUL-2008 21:53:28	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	33507	No
239	GOM_NL__2PRFIN20080727_215548_000000532070_00387_33507_0253.N1	27-JUL-2008 21:55:48	Bright	53.000	144	18Del Cyg	2.8600	11000.	106	33507	No
240	GOM_NL__2PRFIN20080727_220236_000000412070_00387_33507_0254.N1	27-JUL-2008 22:02:36	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	33507	No
241	GOM_NL__2PRFIN20080727_220802_000000372070_00387_33507_0255.N1	27-JUL-2008 22:08:02	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33507	No
242	GOM_NL__2PRFIN20080727_222040_000000412070_00387_33507_0256.N1	27-JUL-2008 22:20:40	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	33507	No
243	GOM_NL__2PRFIN20080727_222546_000000402070_00387_33507_0257.N1	27-JUL-2008 22:25:46	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	33507	No
244	GOM_NL__2PRFIN20080727_222748_000000372070_00387_33507_0258.N1	27-JUL-2008 22:27:48	Tw_i_and_stray	36.500	176	23Zet Tau	3.0200	22000.	73	33507	No
245	GOM_NL__2PRFIN20080727_223009_000000442070_00387_33507_0259.N1	27-JUL-2008 22:30:09	Dark	43.500	13	87Alp Tau	0.86700	3800.0	87	33507	No
246	GOM_NL__2PRFIN20080727_223212_000000372070_00387_33507_0260.N1	27-JUL-2008 22:32:12	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	33507	No
247	GOM_NL__2PRFIN20080727_223407_000000372070_00387_33507_0261.N1	27-JUL-2008 22:34:07	Dark	36.500	30	46Eps Ori	1.6940	30000.	73	33507	No
248	GOM_NL__2PRFIN20080727_223630_000000492070_00387_33507_0262.N1	27-JUL-2008 22:36:30	Dark	49.000	7	19Bet Ori	0.10000	14000.	98	33507	No
249	GOM_NL__2PRFIN20080727_223845_000000392070_00387_33507_0263.N1	27-JUL-2008 22:38:45	Dark	38.500	101	11Alp Lep	2.5820	7000.0	77	33507	No
250	GOM_NL__2PRFIN20080727_224039_000000502070_00387_33507_0264.N1	27-JUL-2008 22:40:39	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	33507	No
251	GOM_NL__2PRFIN20080727_225001_000000462070_00387_33507_0265.N1	27-JUL-2008 22:50:01	Dark	46.000	157	The1Eri	2.9060	9300.0	92	33507	No
252	GOM_NL__2PRFIN20080727_225546_000000422070_00388_33508_0287.N1	27-JUL-2008 22:55:46	Dark	42.000	9	Alp Eri	0.45300	24000.	84	33508	No
253	GOM_NL__2PRFIN20080727_230250_000000402070_00388_33508_0288.N1	27-JUL-2008 23:02:50	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	33508	No
254	GOM_NL__2PRFIN20080727_230606_000000452070_00388_33508_0289.N1	27-JUL-2008 23:06:06	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	33508	No
255	GOM_NL__2PRFIN20080727_231703_000000362070_00388_33508_0290.N1	27-JUL-2008 23:17:03	Bright	35.500	155	41Pi Sgr	2.9000	6600.0	71	33508	No
256	GOM_NL__2PRFIN20080727_232540_000000392070_00388_33508_0291.N1	27-JUL-2008 23:25:40	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	33508	No
257	GOM_NL__2PRFIN20080727_233404_000000352070_00388_33508_0292.N1	27-JUL-2008 23:34:04	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	33508	No
258	GOM_NL__2PRFIN20080727_233624_000000372070_00388_33508_0293.N1	27-JUL-2008 23:36:24	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	33508	No
259	GOM_NL__2PRFIN20080727_234311_000000422070_00388_33508_0294.N1	27-JUL-2008 23:43:11	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	33508	No
260	GOM_NL__2PRFIN20080727_234838_000000362070_00388_33508_0295.N1	27-JUL-2008 23:48:38	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33508	No

3. Quality information per product

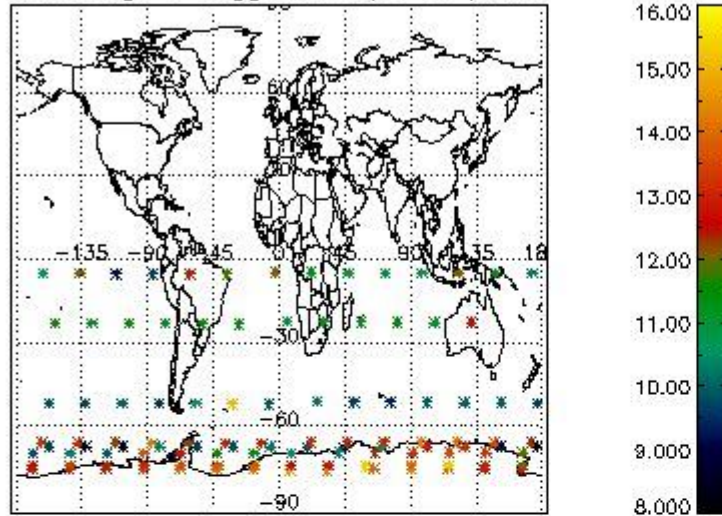
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

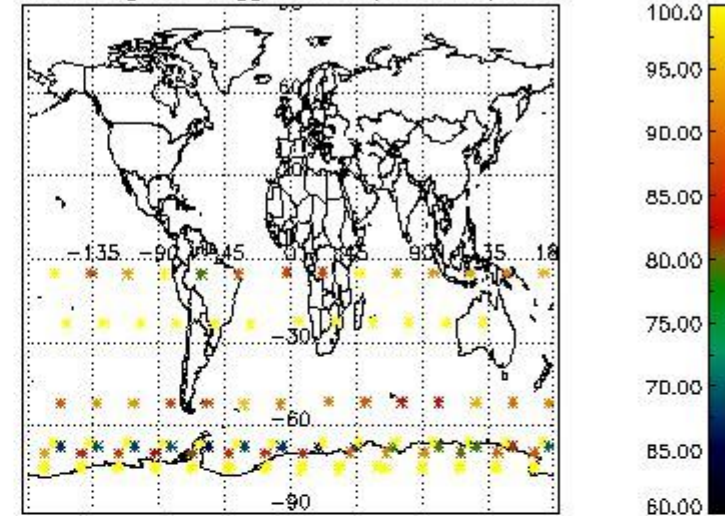


3.2 Plot quality information per product (world map)

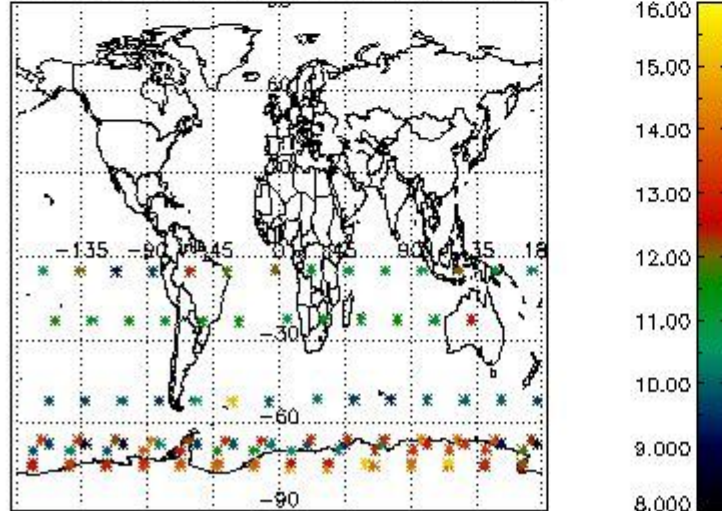
Percentage of flagged data per O3 profile



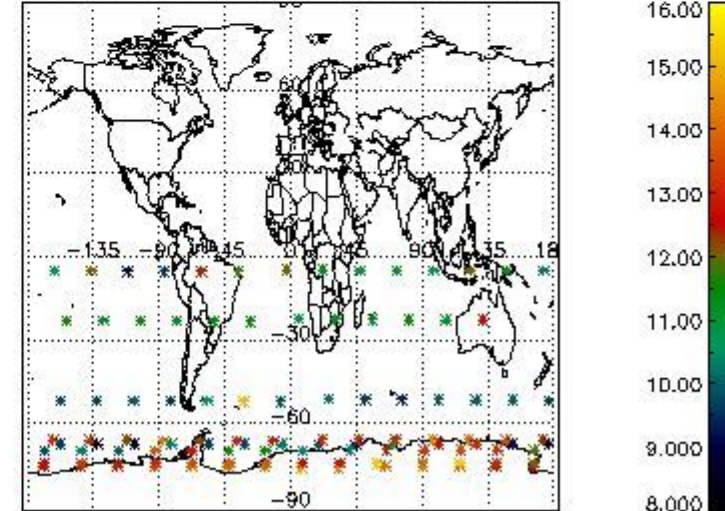
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

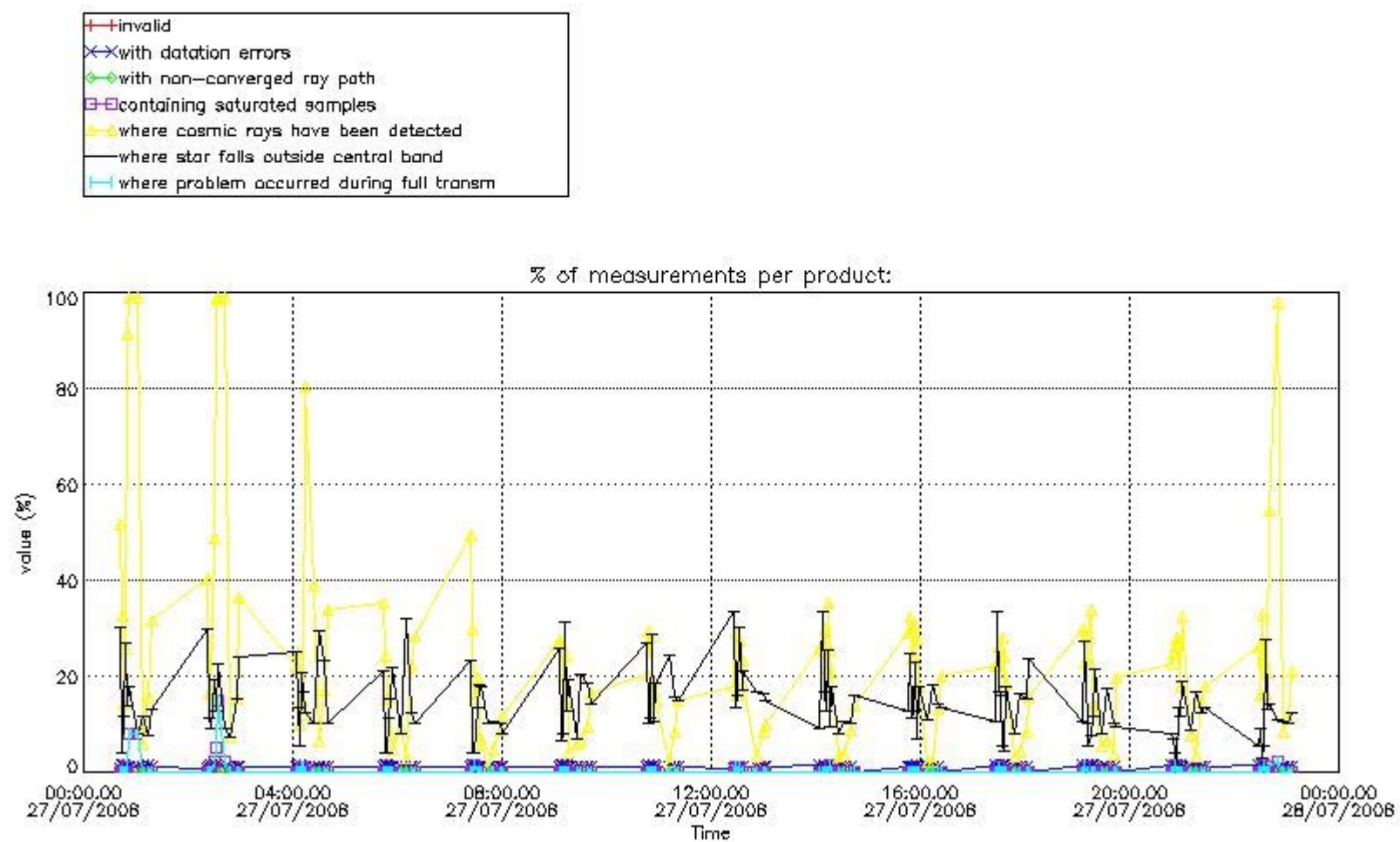


4. Level 1 quality information per product

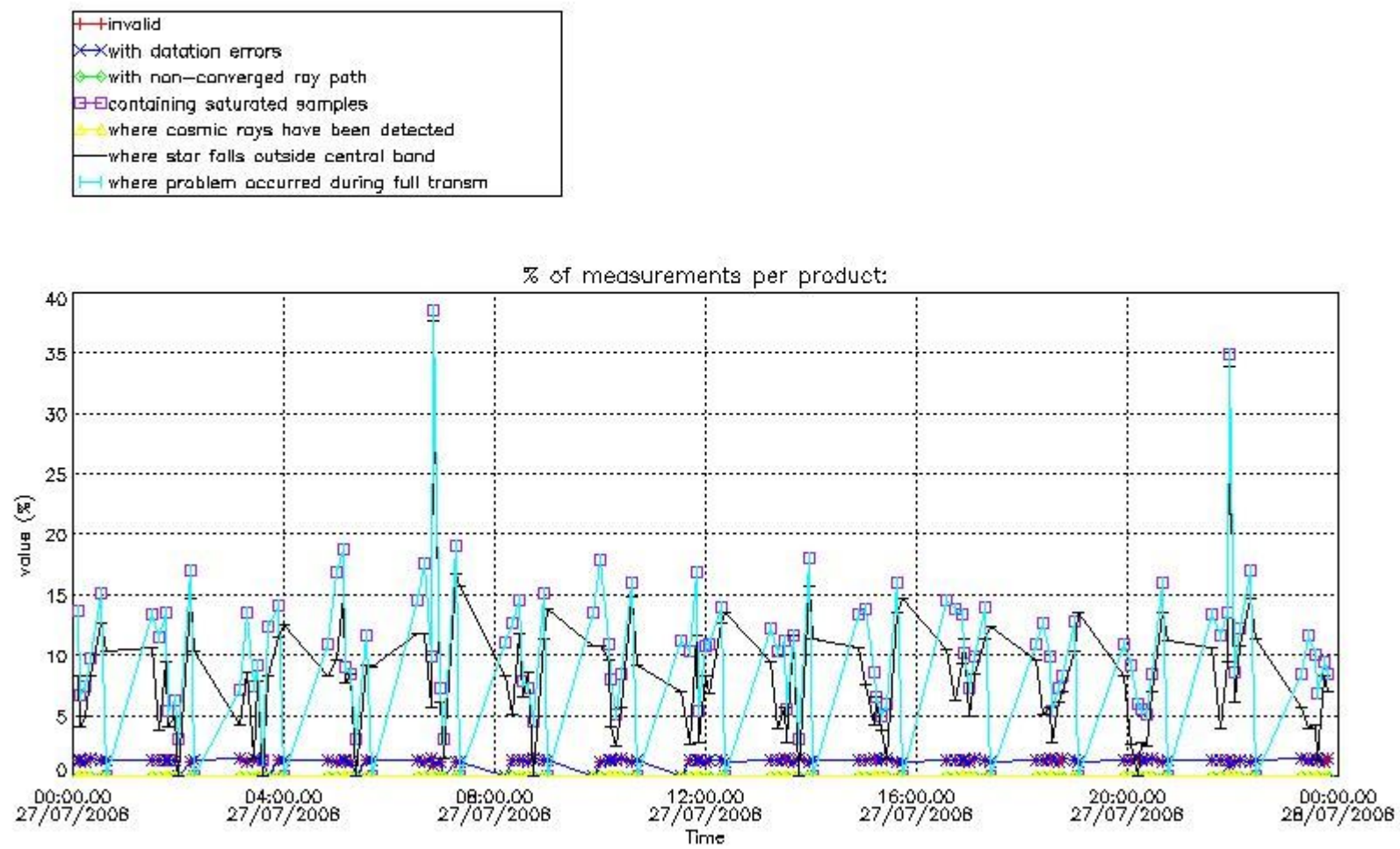
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



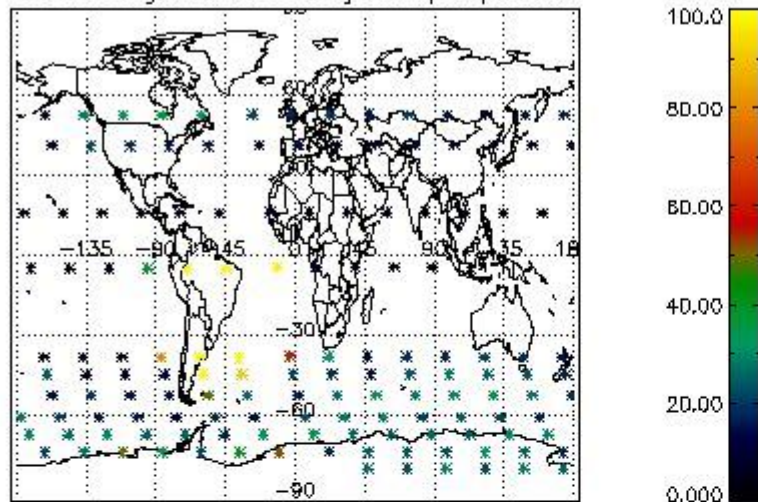
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



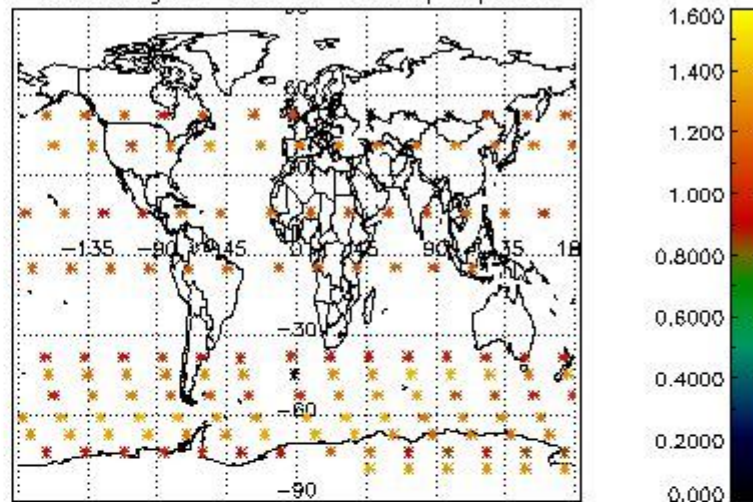
4.2 Plot quality information per product coming from level 1b processing (world map)

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

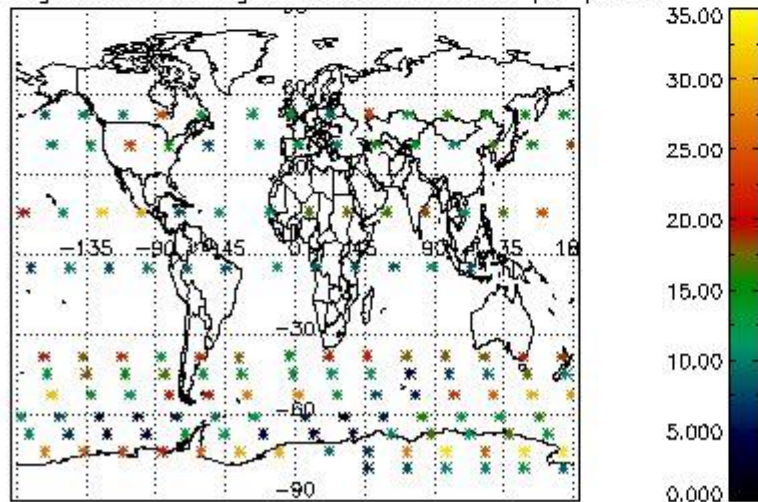
Percentage of cosmic ray hits per profile



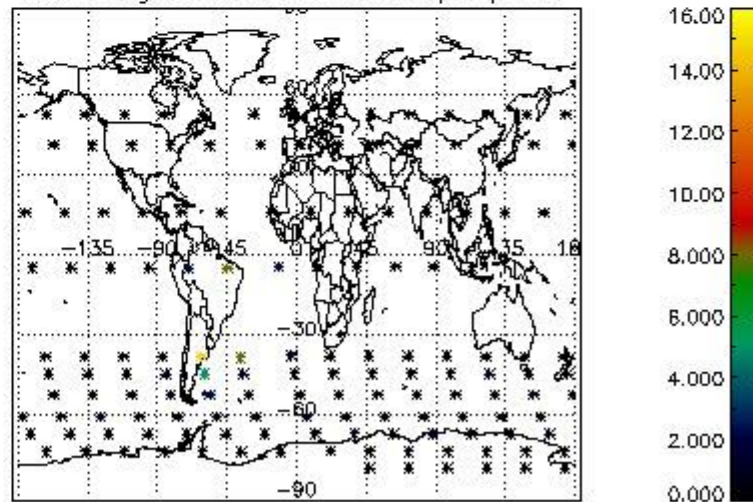
Percentage of datation errors per profile



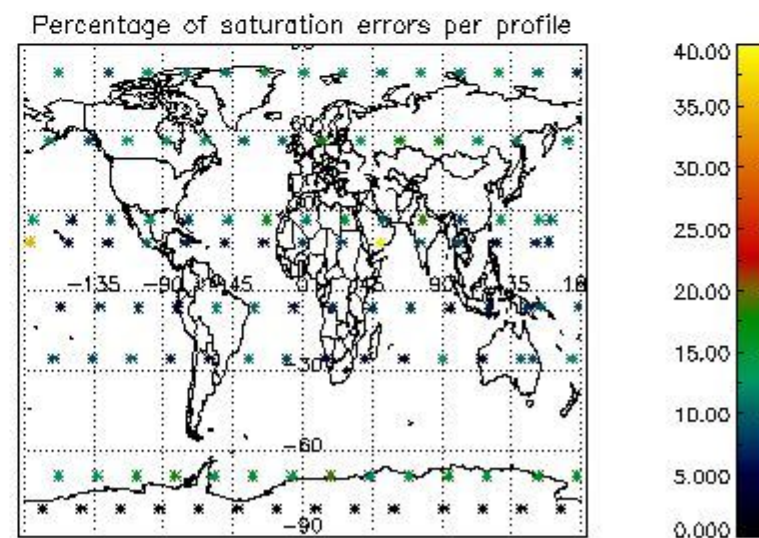
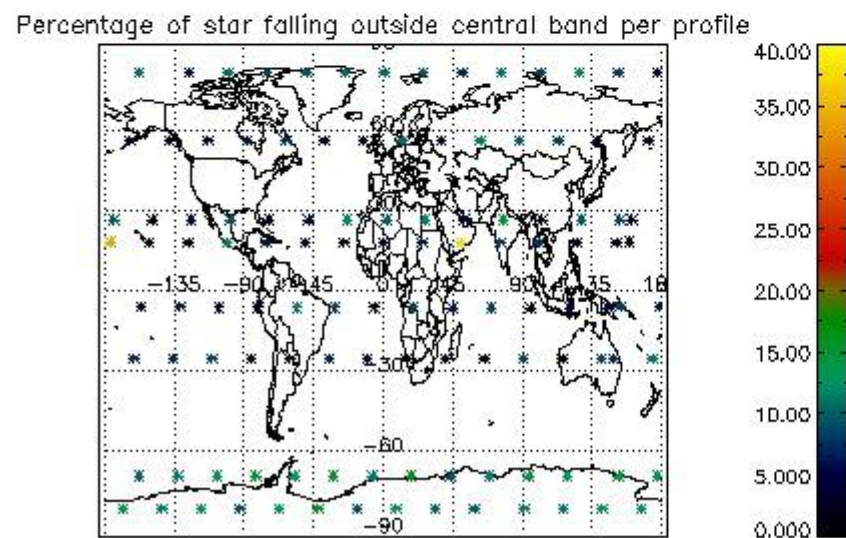
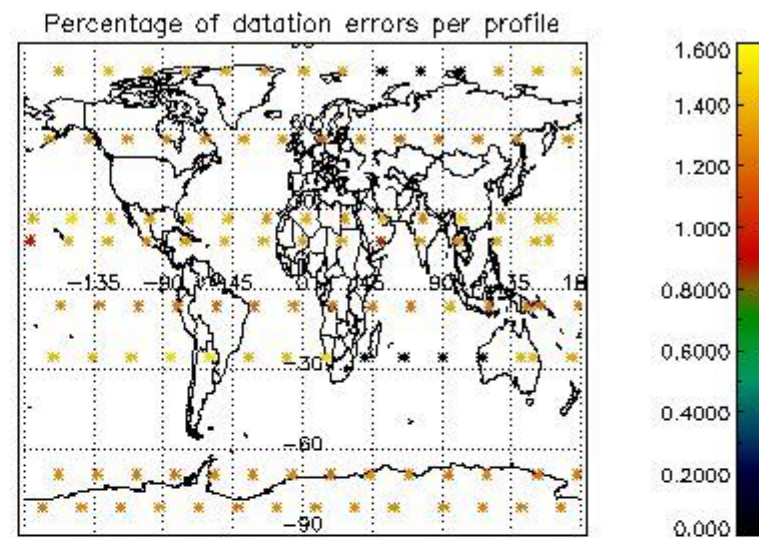
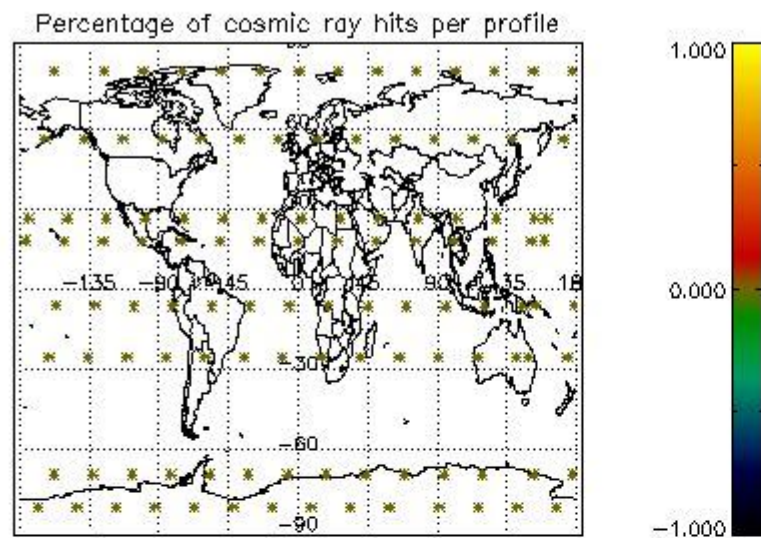
Percentage of star falling outside central band per profile



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

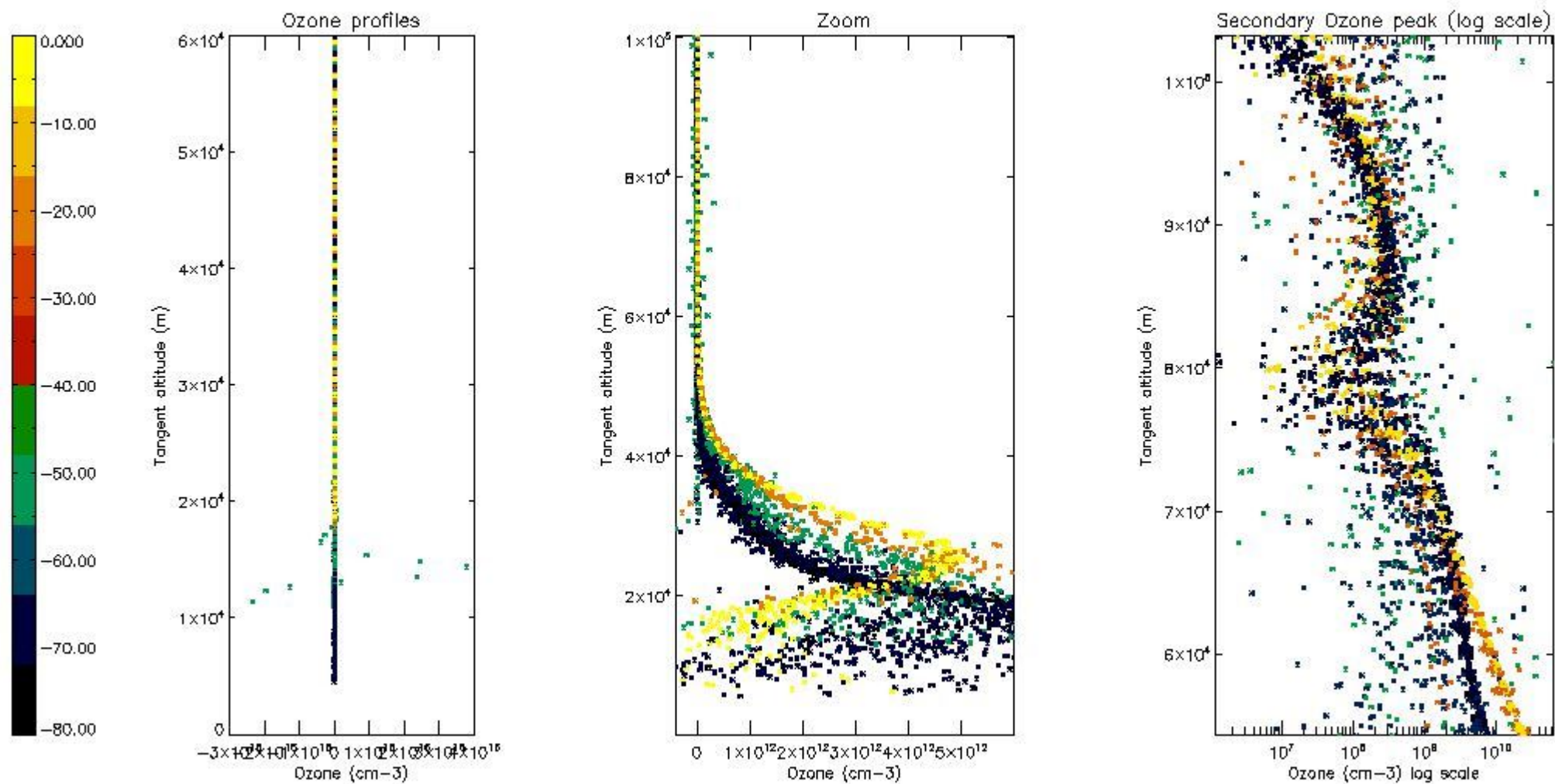
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	23

STD < 10	17
STD < 5	12

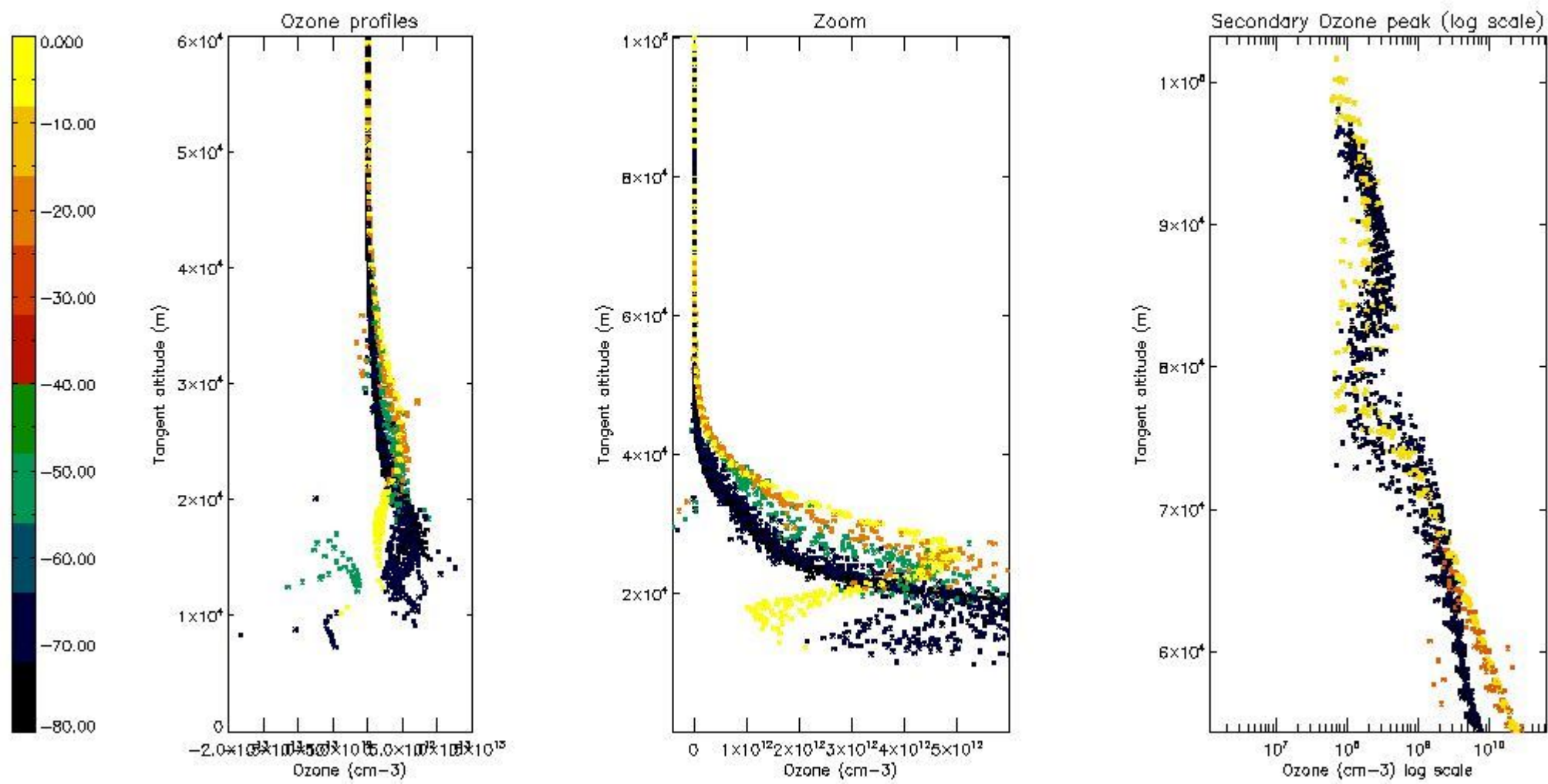
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



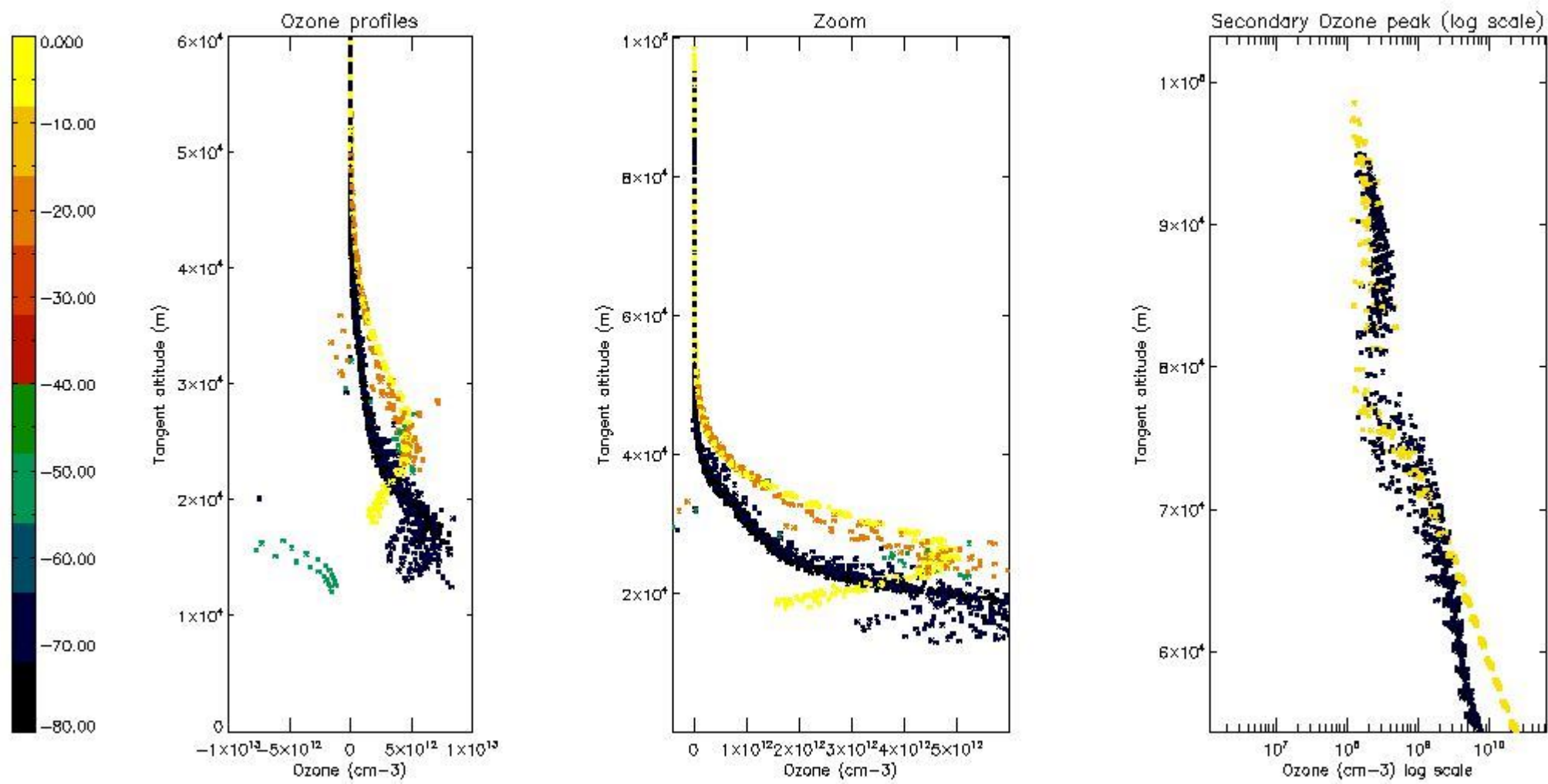
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



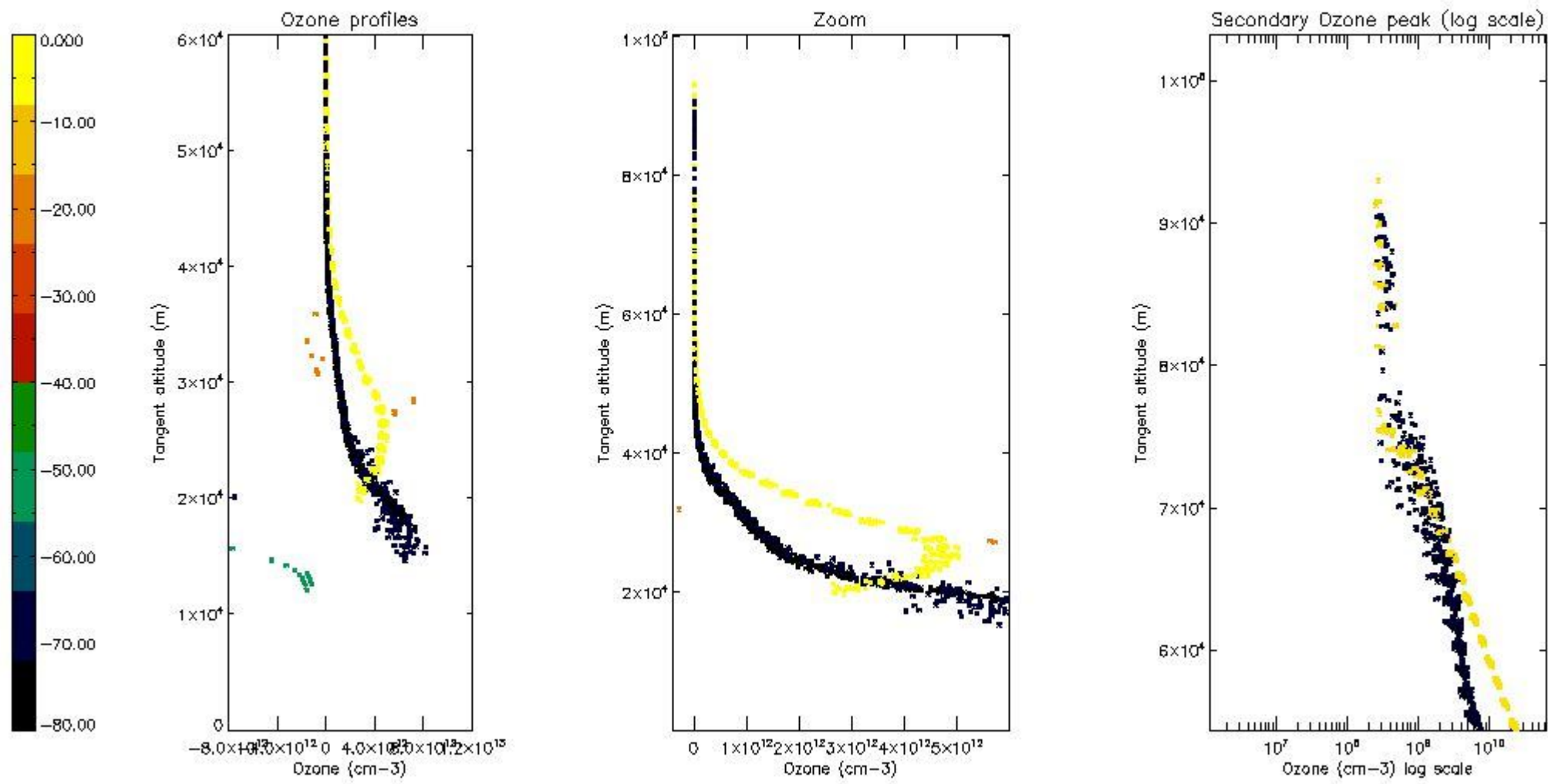
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



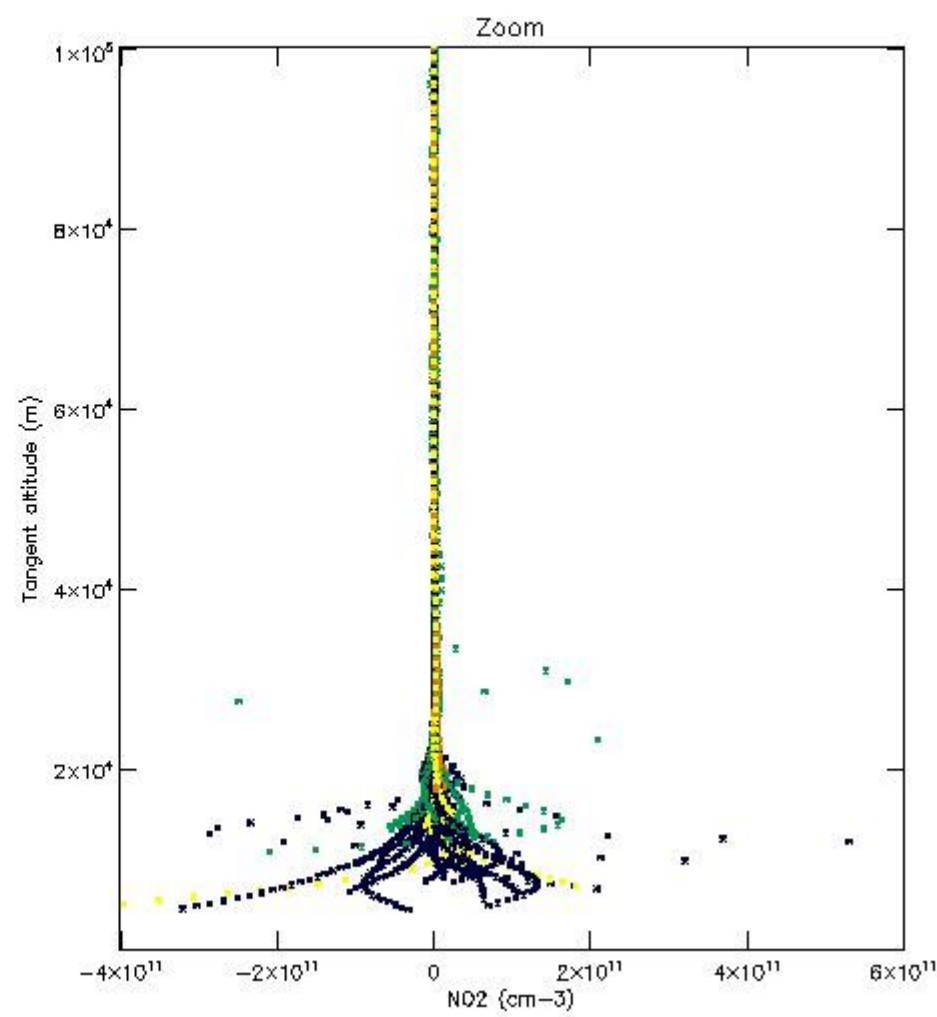
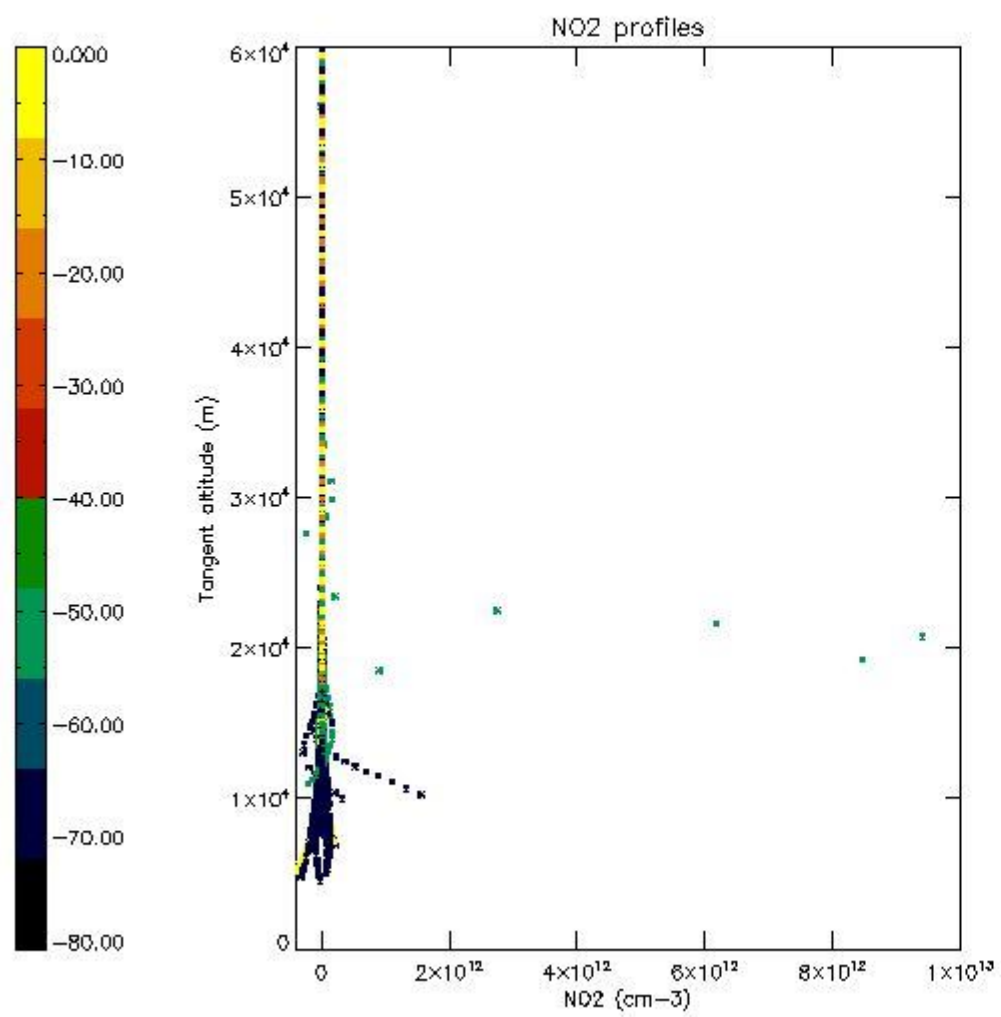
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



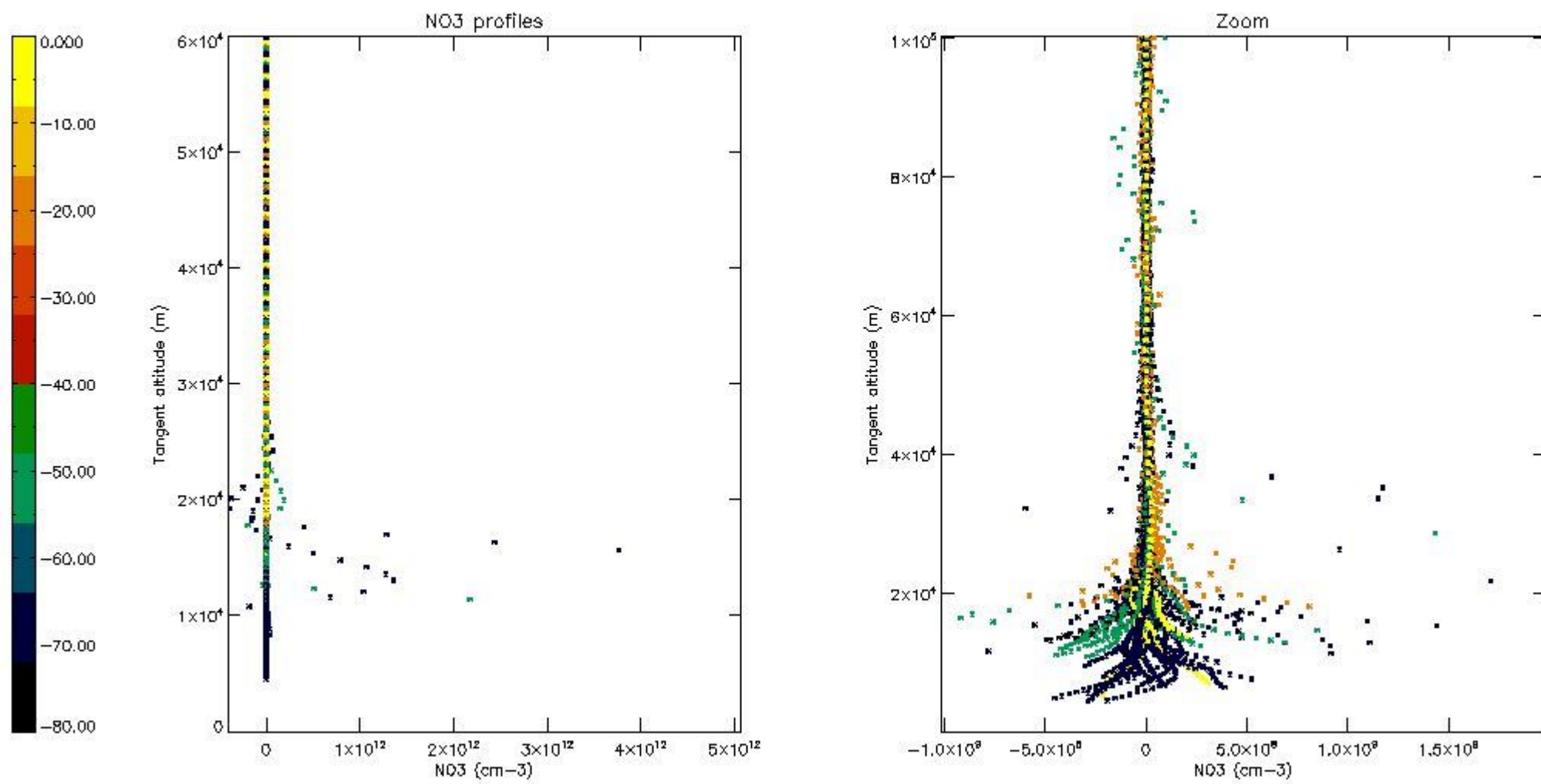
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



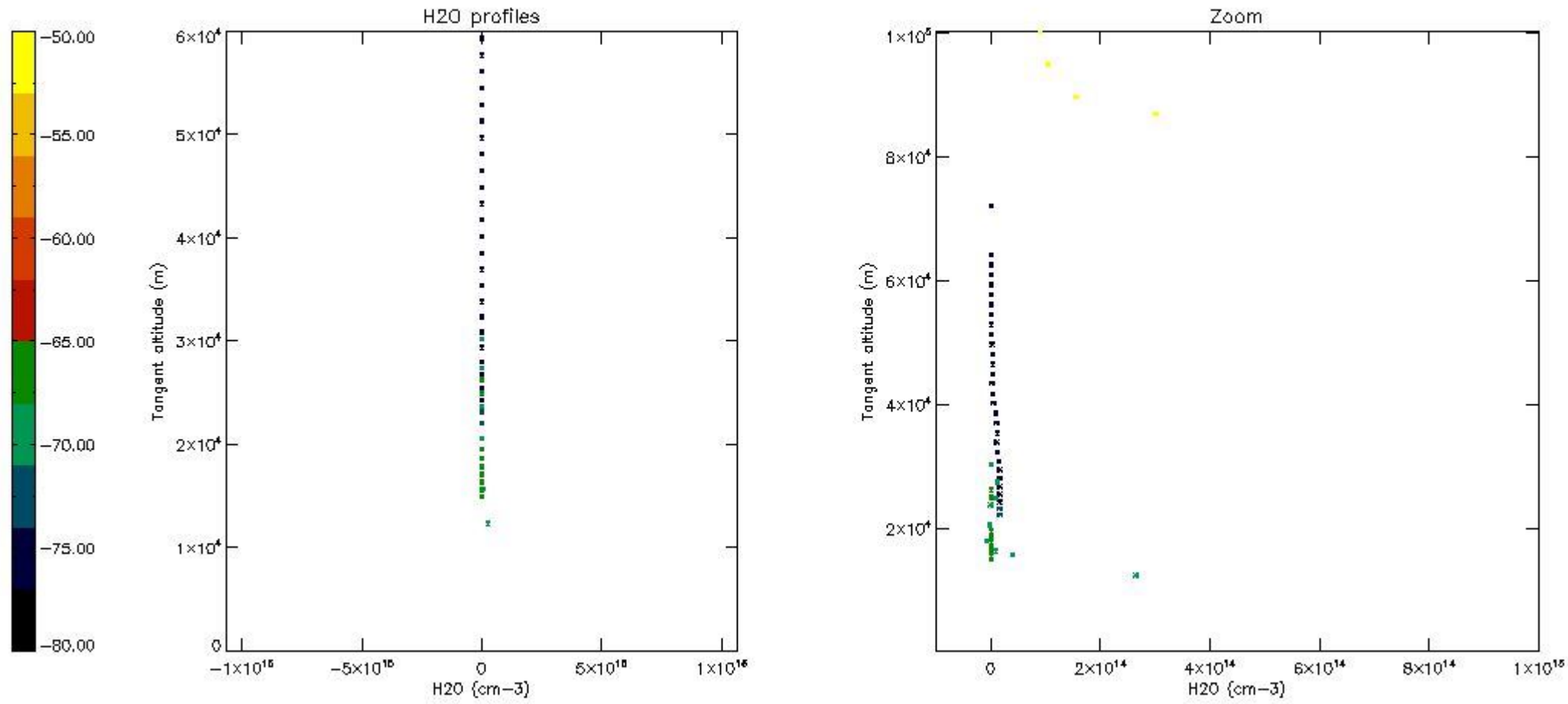
5.7 Plot NO3 profiles for all STD (dark without errors)

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_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JUL-2008 00:05:41
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JUL-2008 00:05:41
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JUL-2008 00:05:41

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	25APR2013 18:06:47
Data source version	GOMOS/6.01
Start time of products	27-07-2008 (27JUL2008 00:00:00)
Stop time of products	28-07-2008 (28JUL2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	260
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

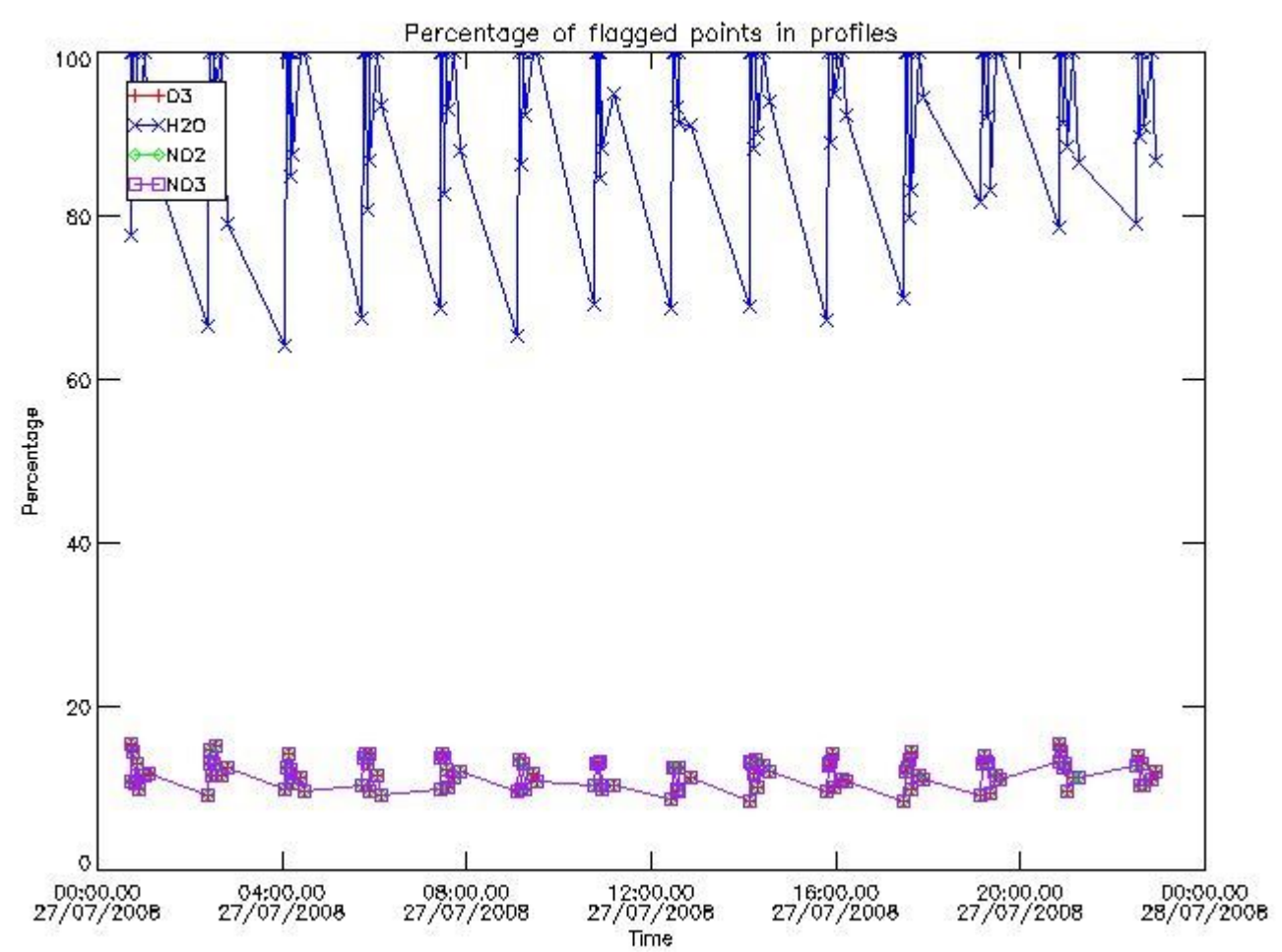
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080727_000541_000000372070_00374_33494_0085.N1	27-JUL-2008 00:05:41	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	33494	No
2	GOM_NL__2PRFIN20080727_000805_000000372070_00374_33494_0086.N1	27-JUL-2008 00:08:05	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	33494	No
3	GOM_NL__2PRFIN20080727_001455_000000412070_00374_33494_0087.N1	27-JUL-2008 00:14:55	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	33494	No
4	GOM_NL__2PRFIN20080727_002015_000000362070_00374_33494_0088.N1	27-JUL-2008 00:20:15	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33494	No
5	GOM_NL__2PRFIN20080727_003252_000000402070_00374_33494_0089.N1	27-JUL-2008 00:32:52	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	33494	No
6	GOM_NL__2PRFIN20080727_003756_000000392070_00374_33494_0090.N1	27-JUL-2008 00:37:56	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	33494	No
7	GOM_NL__2PRFIN20080727_004218_000000562070_00374_33494_0091.N1	27-JUL-2008 00:42:18	Dark	56.000	13	87Alp Tau	0.86700	3800.0	112	33494	No
8	GOM_NL__2PRFIN20080727_004421_000000372070_00374_33494_0092.N1	27-JUL-2008 00:44:21	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	33494	No
9	GOM_NL__2PRFIN20080727_004617_000000392070_00374_33494_0093.N1	27-JUL-2008 00:46:17	Dark	39.000	30	46Eps Ori	1.6940	30000.	78	33494	No
10	GOM_NL__2PRFIN20080727_004838_000000492070_00374_33494_0094.N1	27-JUL-2008 00:48:38	Dark	48.500	7	19Bet Ori	0.10000	14000.	97	33494	No
11	GOM_NL__2PRFIN20080727_005054_000000402070_00374_33494_0095.N1	27-JUL-2008 00:50:54	Dark	39.500	101	11Alp Lep	2.5820	7000.0	79	33494	No
12	GOM_NL__2PRFIN20080727_005241_000000512070_00374_33494_0096.N1	27-JUL-2008 00:52:41	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	33494	No
13	GOM_NL__2PRFIN20080727_010203_000000442070_00374_33494_0097.N1	27-JUL-2008 01:02:03	Dark	44.000	157	The1Eri	2.9060	9300.0	88	33494	No
14	GOM_NL__2PRFIN20080727_010750_000000432070_00375_33495_0089.N1	27-JUL-2008 01:07:50	Dark	43.000	9	Alp Eri	0.45300	24000.	86	33495	No
15	GOM_NL__2PRFIN20080727_011457_000000392070_00375_33495_0090.N1	27-JUL-2008 01:14:57	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	33495	No
16	GOM_NL__2PRFIN20080727_011811_000000462070_00375_33495_0091.N1	27-JUL-2008 01:18:11	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	33495	No
17	GOM_NL__2PRFIN20080727_012914_000000382070_00375_33495_0092.N1	27-JUL-2008 01:29:14	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	33495	No
18	GOM_NL__2PRFIN20080727_013755_000000392070_00375_33495_0093.N1	27-JUL-2008 01:37:55	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	33495	No
19	GOM_NL__2PRFIN20080727_014616_000000372070_00375_33495_0094.N1	27-JUL-2008 01:46:16	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	33495	No
20	GOM_NL__2PRFIN20080727_014841_000000372070_00375_33495_0095.N1	27-JUL-2008 01:48:41	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	33495	No
21	GOM_NL__2PRFIN20080727_015531_000000402070_00375_33495_0096.N1	27-JUL-2008 01:55:31	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	33495	No
22	GOM_NL__2PRFIN20080727_020051_000000332070_00375_33495_0097.N1	27-JUL-2008 02:00:51	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	33495	No
23	GOM_NL__2PRFIN20080727_021328_000000412070_00375_33495_0098.N1	27-JUL-2008 02:13:28	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	33495	No
24	GOM_NL__2PRFIN20080727_021833_000000392070_00375_33495_0099.N1	27-JUL-2008 02:18:33	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	33495	No
25	GOM_NL__2PRFIN20080727_022254_000000562070_00375_33495_0100.N1	27-JUL-2008 02:22:54	Dark	55.500	13	87Alp Tau	0.86700	3800.0	111	33495	No
26	GOM_NL__2PRFIN20080727_022458_000000402070_00375_33495_0101.N1	27-JUL-2008 02:24:58	Dark	39.500	27	24Gam Ori	1.6360	26000.	79	33495	No
27	GOM_NL__2PRFIN20080727_022653_000000382070_00375_33495_0102.N1	27-JUL-2008 02:26:53	Dark	38.000	30	46Eps Ori	1.6940	30000.	76	33495	No
28	GOM_NL__2PRFIN20080727_022915_000000442070_00375_33495_0103.N1	27-JUL-2008 02:29:15	Dark	44.000	7	19Bet Ori	0.10000	14000.	88	33495	No
29	GOM_NL__2PRFIN20080727_023130_000000392070_00375_33495_0104.N1	27-JUL-2008 02:31:30	Dark	39.000	101	11Alp Lep	2.5820	7000.0	78	33495	No
30	GOM_NL__2PRFIN20080727_023318_000000542070_00375_33495_0105.N1	27-JUL-2008 02:33:18	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	33495	No
31	GOM_NL__2PRFIN20080727_024239_000000442070_00375_33495_0106.N1	27-JUL-2008 02:42:39	Dark	44.000	157	The1Eri	2.9060	9300.0	88	33495	No
32	GOM_NL__2PRFIN20080727_024826_000000412070_00376_33496_0088.N1	27-JUL-2008 02:48:26	Dark	41.000	9	Alp Eri	0.45300	24000.	82	33496	No
33	GOM_NL__2PRFIN20080727_025533_000000432070_00376_33496_0089.N1	27-JUL-2008 02:55:33	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	33496	No
34	GOM_NL__2PRFIN20080727_025848_000000522070_00376_33496_0090.N1	27-JUL-2008 02:58:48	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	33496	No
35	GOM_NL__2PRFIN20080727_030950_000000352070_00376_33496_0091.N1	27-JUL-2008 03:09:50	Bright	35.000	155	41Pi Sgr	2.9000	6600.0	70	33496	No
36	GOM_NL__2PRFIN20080727_031831_000000412070_00376_33496_0092.N1	27-JUL-2008 03:18:31	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	33496	No
37	GOM_NL__2PRFIN20080727_032652_000000342070_00376_33496_0093.N1	27-JUL-2008 03:26:52	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	33496	No
38	GOM_NL__2PRFIN20080727_032916_000000392070_00376_33496_0094.N1	27-JUL-2008 03:29:16	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	33496	No
39	GOM_NL__2PRFIN20080727_033606_000000372070_00376_33496_0095.N1	27-JUL-2008 03:36:06	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33496	No
40	GOM_NL__2PRFIN20080727_034127_000000372070_00376_33496_0096.N1	27-JUL-2008 03:41:27	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33496	No
41	GOM_NL__2PRFIN20080727_035404_000000392070_00376_33496_0097.N1	27-JUL-2008 03:54:04	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	33496	No
42	GOM_NL__2PRFIN20080727_035909_000000402070_00376_33496_0098.N1	27-JUL-2008 03:59:09	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	33496	No

220	GOM_NL__2PRFIN20080727_201513_000000372070_00386_33506_0271.N1	27-JUL-2008 20:15:13	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	33506	No
221	GOM_NL__2PRFIN20080727_202201_000000402070_00386_33506_0272.N1	27-JUL-2008 20:22:01	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	33506	No
222	GOM_NL__2PRFIN20080727_202726_000000362070_00386_33506_0273.N1	27-JUL-2008 20:27:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33506	No
223	GOM_NL__2PRFIN20080727_204004_000000412070_00386_33506_0274.N1	27-JUL-2008 20:40:04	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	33506	No
224	GOM_NL__2PRFIN20080727_204510_000000402070_00386_33506_0275.N1	27-JUL-2008 20:45:10	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	33506	No
225	GOM_NL__2PRFIN20080727_204712_000000382070_00386_33506_0276.N1	27-JUL-2008 20:47:12	Twilight	37.500	176	23Zet Tau	3.0200	22000.	75	33506	No
226	GOM_NL__2PRFIN20080727_204933_000000432070_00386_33506_0277.N1	27-JUL-2008 20:49:33	Dark	42.500	13	87Alp Tau	0.86700	3800.0	85	33506	No
227	GOM_NL__2PRFIN20080727_205136_000000372070_00386_33506_0278.N1	27-JUL-2008 20:51:36	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	33506	No
228	GOM_NL__2PRFIN20080727_205331_000000362070_00386_33506_0279.N1	27-JUL-2008 20:53:31	Dark	35.500	30	46Eps Ori	1.6940	30000.	71	33506	No
229	GOM_NL__2PRFIN20080727_205554_000000412070_00386_33506_0280.N1	27-JUL-2008 20:55:54	Dark	41.000	7	19Bet Ori	0.10000	14000.	82	33506	No
230	GOM_NL__2PRFIN20080727_205809_000000392070_00386_33506_0281.N1	27-JUL-2008 20:58:09	Dark	39.000	101	11Alp Lep	2.5820	7000.0	78	33506	No
231	GOM_NL__2PRFIN20080727_210002_000000532070_00386_33506_0282.N1	27-JUL-2008 21:00:02	Dark	52.500	165	34Gam Eri	2.9500	3200.0	105	33506	No
232	GOM_NL__2PRFIN20080727_210924_000000452070_00386_33506_0283.N1	27-JUL-2008 21:09:24	Dark	45.000	157	The1Eri	2.9060	9300.0	90	33506	No
233	GOM_NL__2PRFIN20080727_211509_000000452070_00387_33507_0247.N1	27-JUL-2008 21:15:09	Dark	45.000	9	Alp Eri	0.45300	24000.	90	33507	No
234	GOM_NL__2PRFIN20080727_212214_000000412070_00387_33507_0248.N1	27-JUL-2008 21:22:14	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33507	No
235	GOM_NL__2PRFIN20080727_212529_000000452070_00387_33507_0249.N1	27-JUL-2008 21:25:29	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	33507	No
236	GOM_NL__2PRFIN20080727_213627_000000382070_00387_33507_0250.N1	27-JUL-2008 21:36:27	Bright	37.500	155	41Pi Sgr	2.9000	6600.0	75	33507	No
237	GOM_NL__2PRFIN20080727_214505_000000392070_00387_33507_0251.N1	27-JUL-2008 21:45:05	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	33507	No
238	GOM_NL__2PRFIN20080727_215328_000000372070_00387_33507_0252.N1	27-JUL-2008 21:53:28	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	33507	No
239	GOM_NL__2PRFIN20080727_215548_000000532070_00387_33507_0253.N1	27-JUL-2008 21:55:48	Bright	53.000	144	18Del Cyg	2.8600	11000.	106	33507	No
240	GOM_NL__2PRFIN20080727_220236_000000412070_00387_33507_0254.N1	27-JUL-2008 22:02:36	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	33507	No
241	GOM_NL__2PRFIN20080727_220802_000000372070_00387_33507_0255.N1	27-JUL-2008 22:08:02	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33507	No
242	GOM_NL__2PRFIN20080727_222040_000000412070_00387_33507_0256.N1	27-JUL-2008 22:20:40	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	33507	No
243	GOM_NL__2PRFIN20080727_222546_000000402070_00387_33507_0257.N1	27-JUL-2008 22:25:46	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	33507	No
244	GOM_NL__2PRFIN20080727_222748_000000372070_00387_33507_0258.N1	27-JUL-2008 22:27:48	Twilight	36.500	176	23Zet Tau	3.0200	22000.	73	33507	No
245	GOM_NL__2PRFIN20080727_223009_000000442070_00387_33507_0259.N1	27-JUL-2008 22:30:09	Dark	43.500	13	87Alp Tau	0.86700	3800.0	87	33507	No
246	GOM_NL__2PRFIN20080727_223212_000000372070_00387_33507_0260.N1	27-JUL-2008 22:32:12	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	33507	No
247	GOM_NL__2PRFIN20080727_223407_000000372070_00387_33507_0261.N1	27-JUL-2008 22:34:07	Dark	36.500	30	46Eps Ori	1.6940	30000.	73	33507	No
248	GOM_NL__2PRFIN20080727_223630_000000492070_00387_33507_0262.N1	27-JUL-2008 22:36:30	Dark	49.000	7	19Bet Ori	0.10000	14000.	98	33507	No
249	GOM_NL__2PRFIN20080727_223845_000000392070_00387_33507_0263.N1	27-JUL-2008 22:38:45	Dark	38.500	101	11Alp Lep	2.5820	7000.0	77	33507	No
250	GOM_NL__2PRFIN20080727_224039_000000502070_00387_33507_0264.N1	27-JUL-2008 22:40:39	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	33507	No
251	GOM_NL__2PRFIN20080727_225001_000000462070_00387_33507_0265.N1	27-JUL-2008 22:50:01	Dark	46.000	157	The1Eri	2.9060	9300.0	92	33507	No
252	GOM_NL__2PRFIN20080727_225546_000000422070_00388_33508_0287.N1	27-JUL-2008 22:55:46	Dark	42.000	9	Alp Eri	0.45300	24000.	84	33508	No
253	GOM_NL__2PRFIN20080727_230250_000000402070_00388_33508_0288.N1	27-JUL-2008 23:02:50	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	33508	No
254	GOM_NL__2PRFIN20080727_230606_000000452070_00388_33508_0289.N1	27-JUL-2008 23:06:06	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	33508	No
255	GOM_NL__2PRFIN20080727_231703_000000362070_00388_33508_0290.N1	27-JUL-2008 23:17:03	Bright	35.500	155	41Pi Sgr	2.9000	6600.0	71	33508	No
256	GOM_NL__2PRFIN20080727_232540_000000392070_00388_33508_0291.N1	27-JUL-2008 23:25:40	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	33508	No
257	GOM_NL__2PRFIN20080727_233404_000000352070_00388_33508_0292.N1	27-JUL-2008 23:34:04	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	33508	No
258	GOM_NL__2PRFIN20080727_233624_000000372070_00388_33508_0293.N1	27-JUL-2008 23:36:24	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	33508	No
259	GOM_NL__2PRFIN20080727_234311_000000422070_00388_33508_0294.N1	27-JUL-2008 23:43:11	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	33508	No
260	GOM_NL__2PRFIN20080727_234838_000000362070_00388_33508_0295.N1	27-JUL-2008 23:48:38	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33508	No

3. Quality information per product

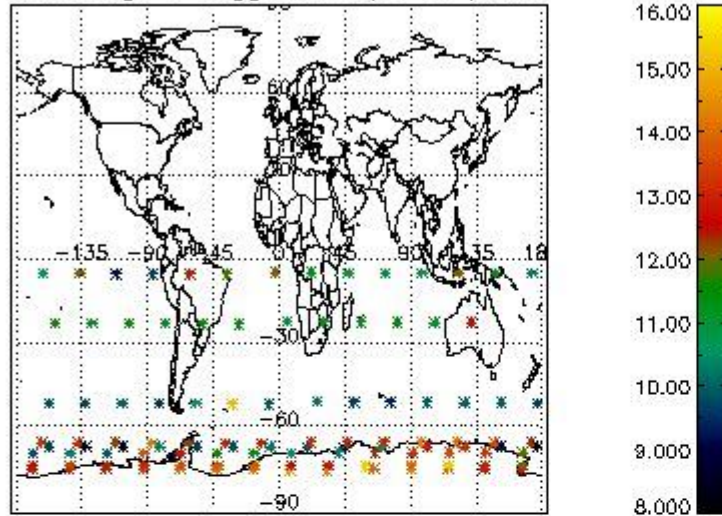
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

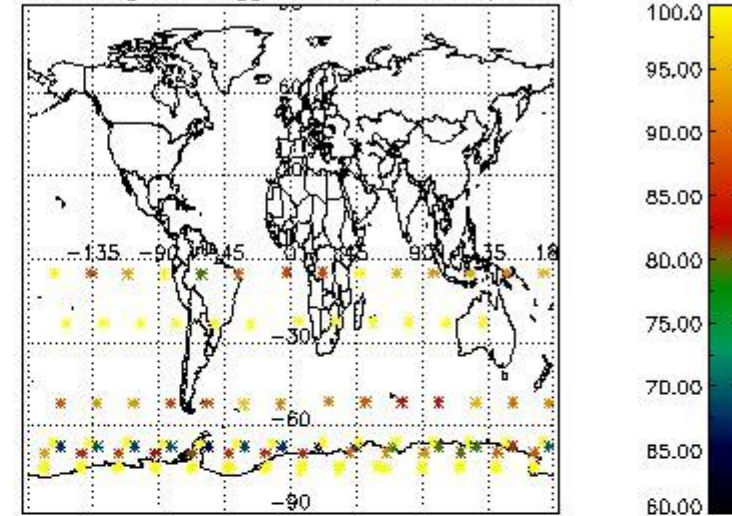


3.2 Plot quality information per product (world map)

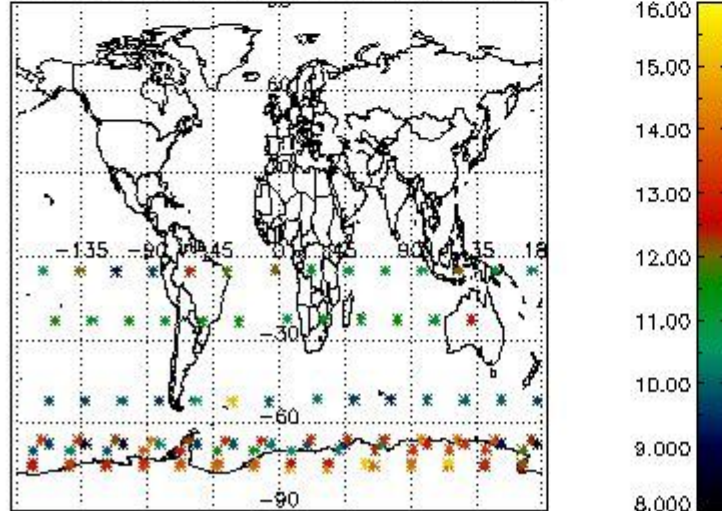
Percentage of flagged data per O3 profile



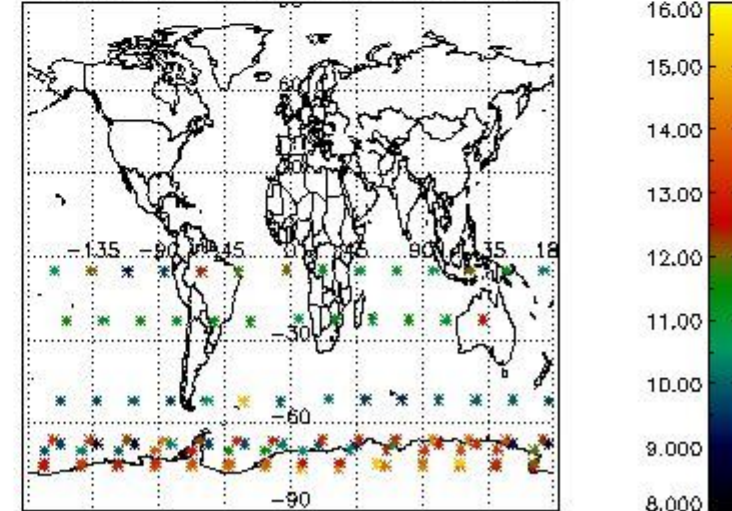
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

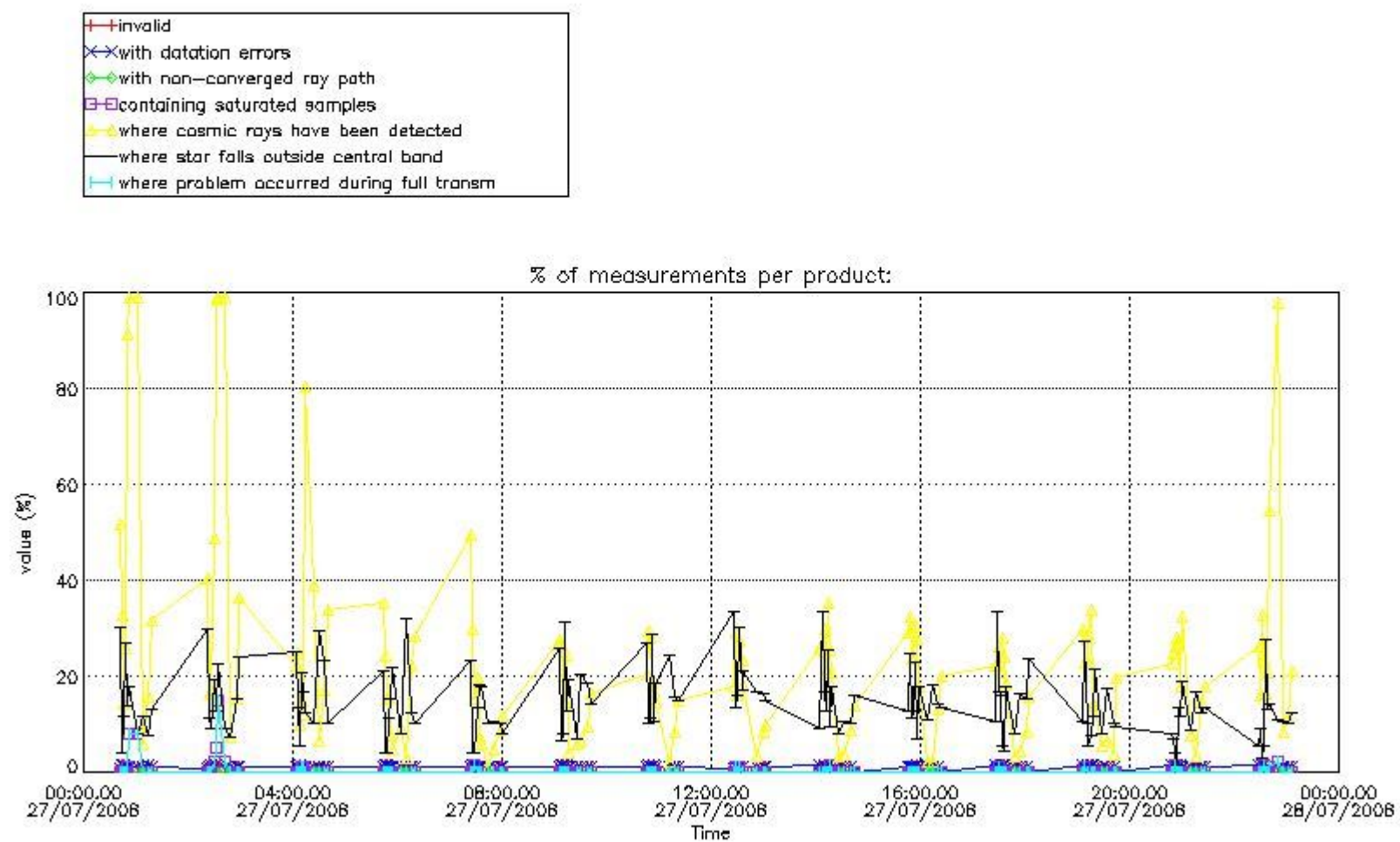


4. Level 1 quality information per product

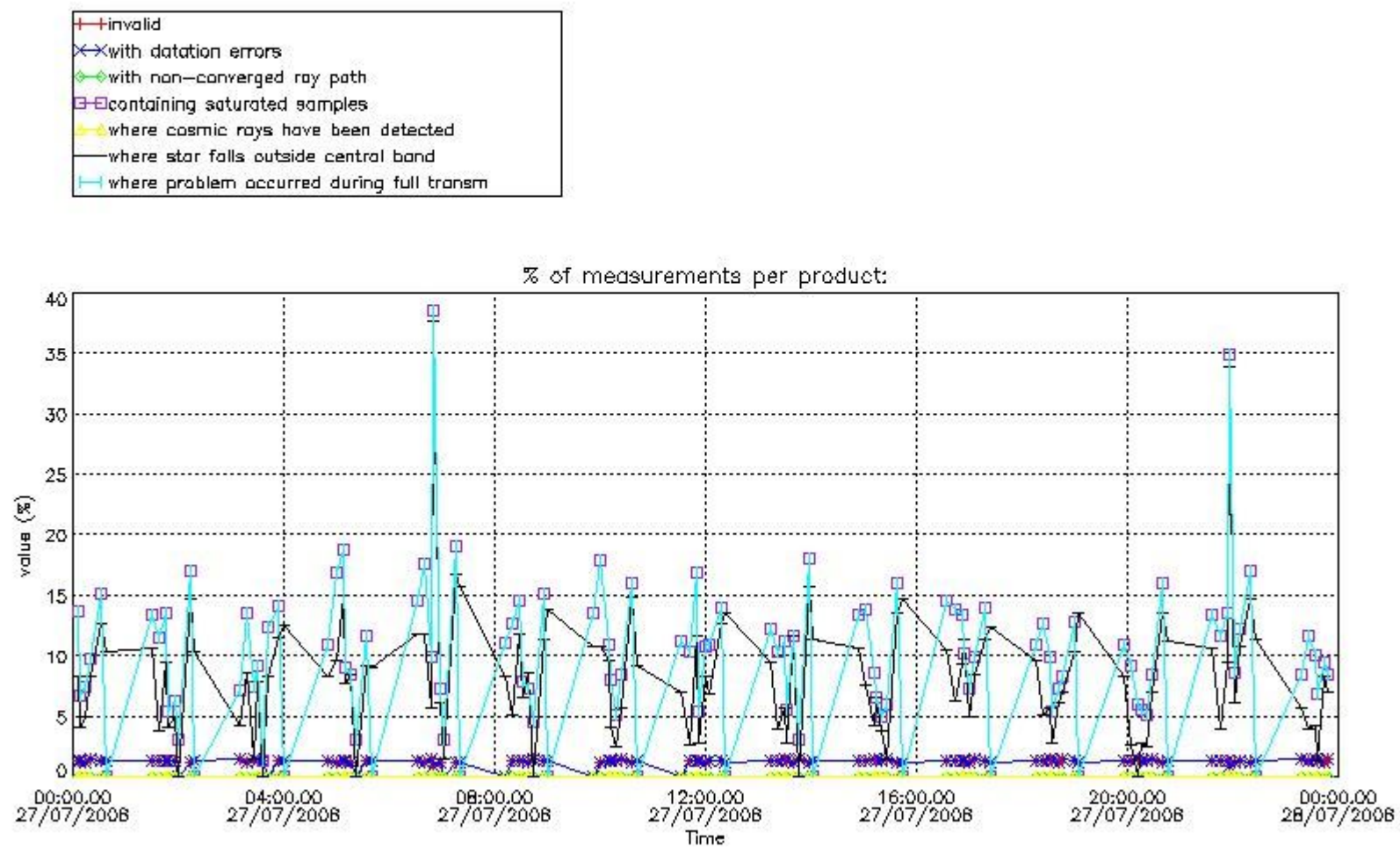
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



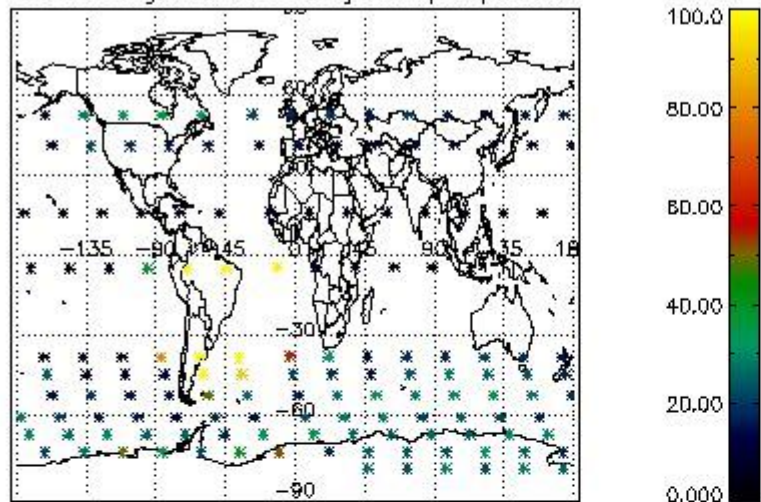
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



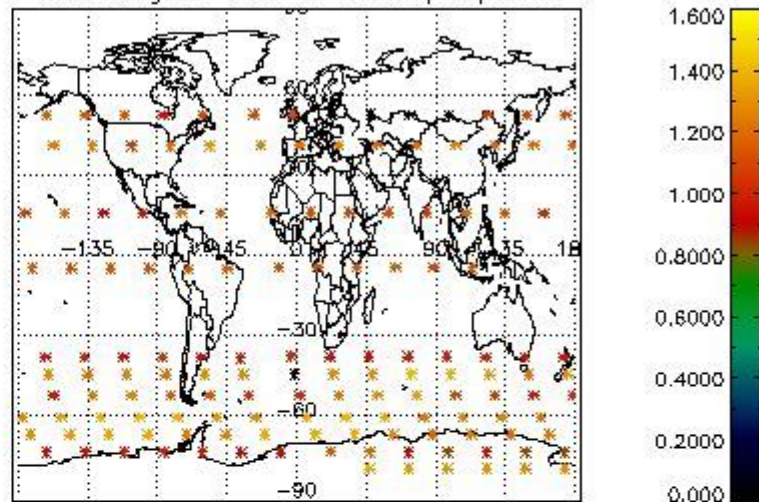
4.2 Plot quality information per product coming from level 1b processing (world map)

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

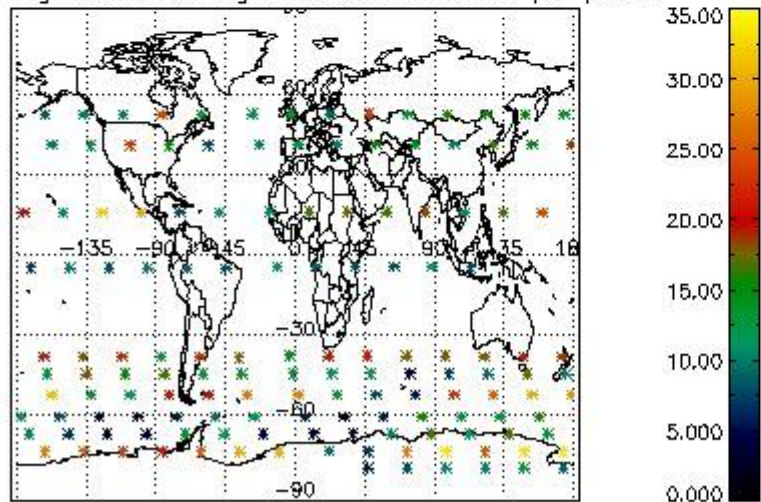
Percentage of cosmic ray hits per profile



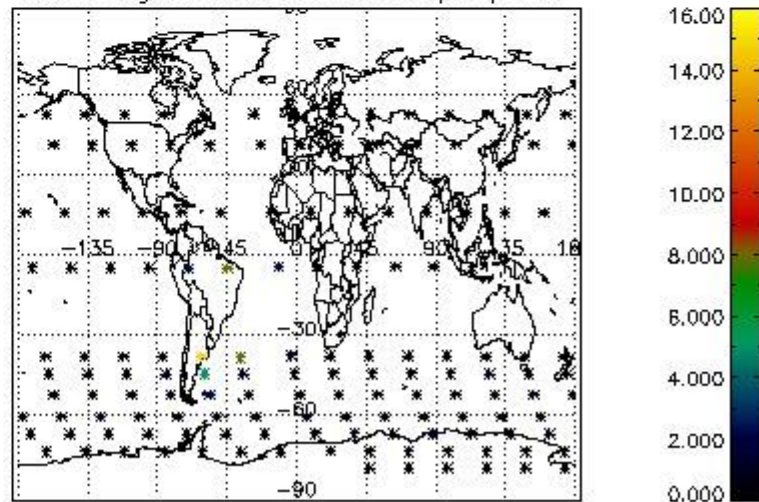
Percentage of datation errors per profile



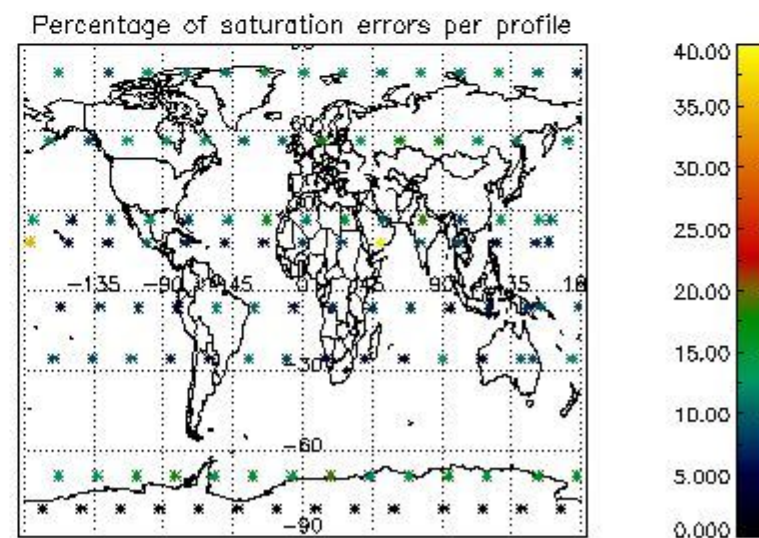
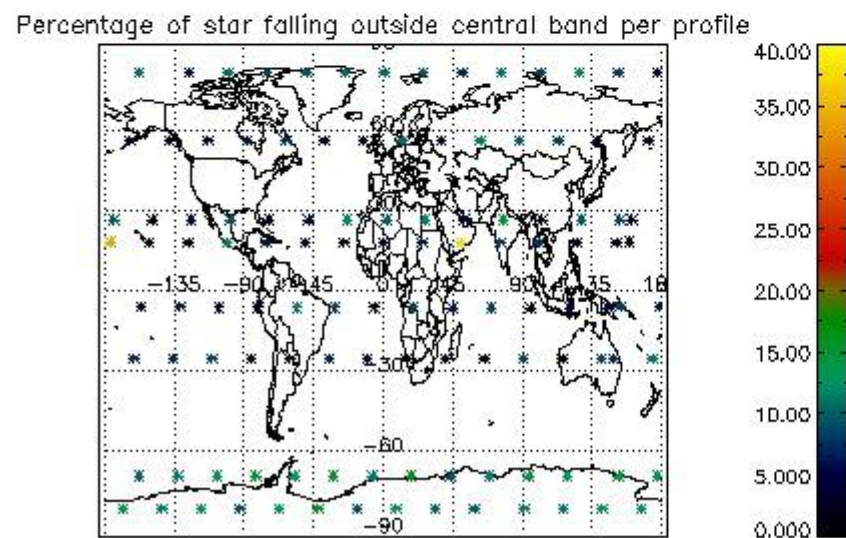
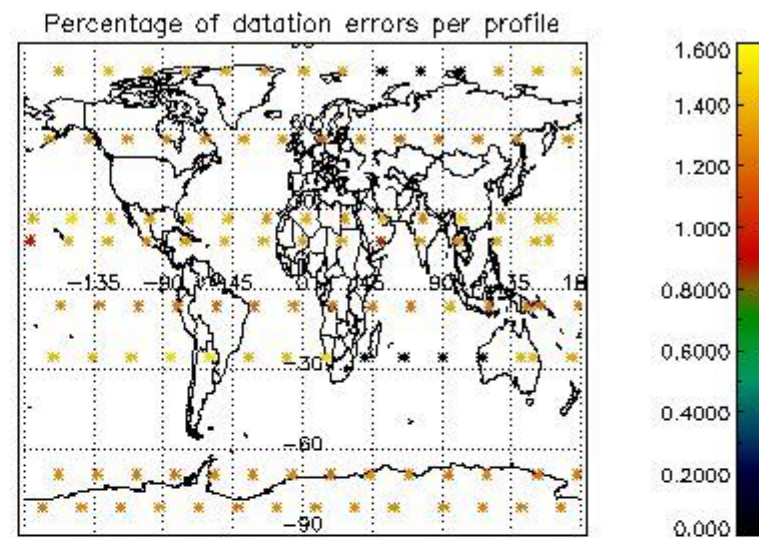
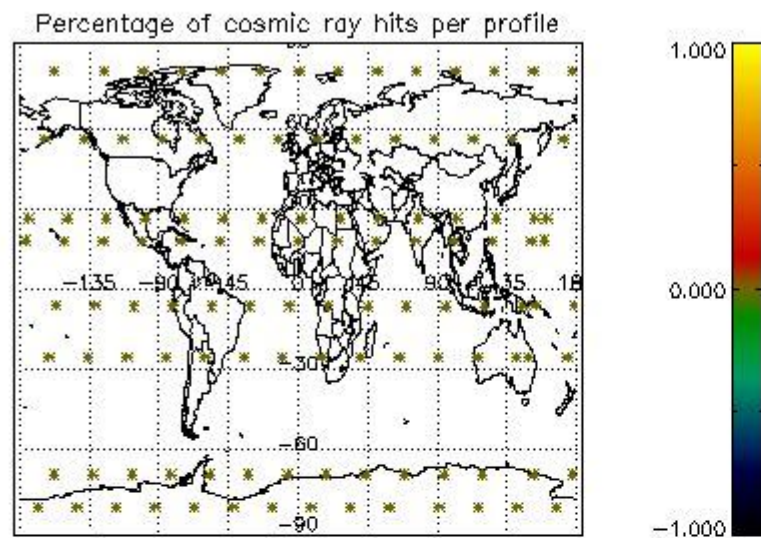
Percentage of star falling outside central band per profile



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

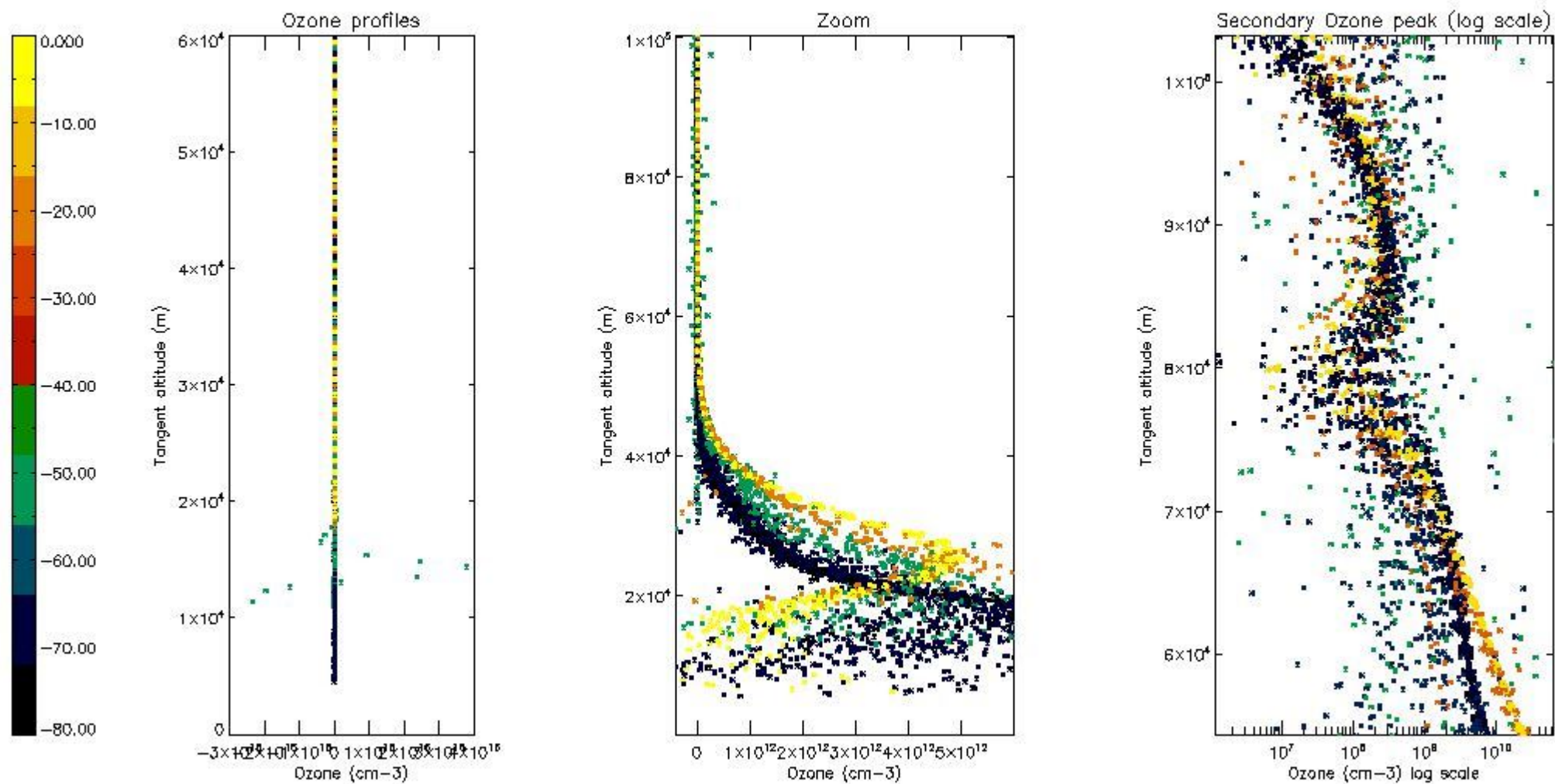
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	23

STD < 10	17
STD < 5	12

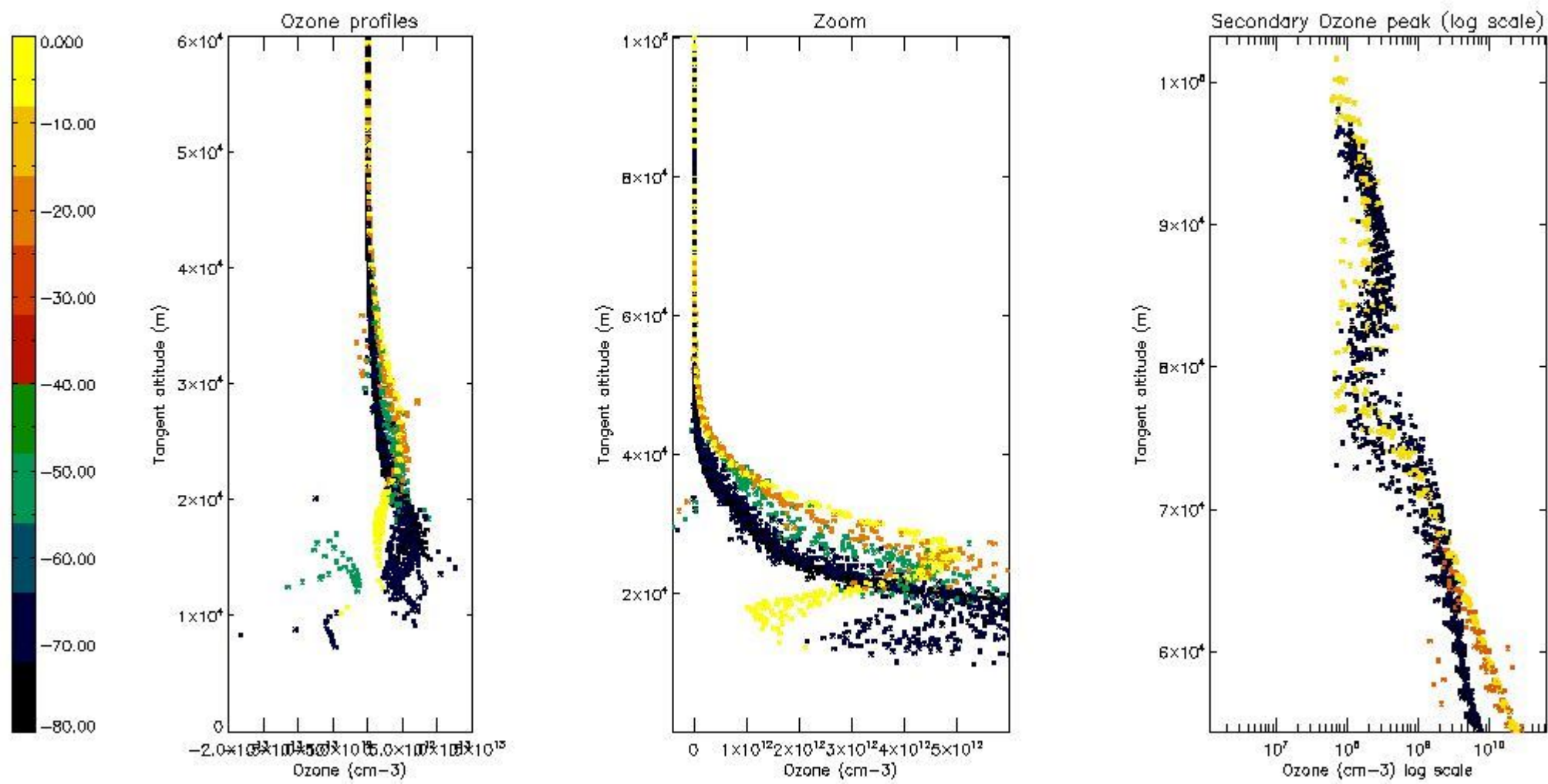
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



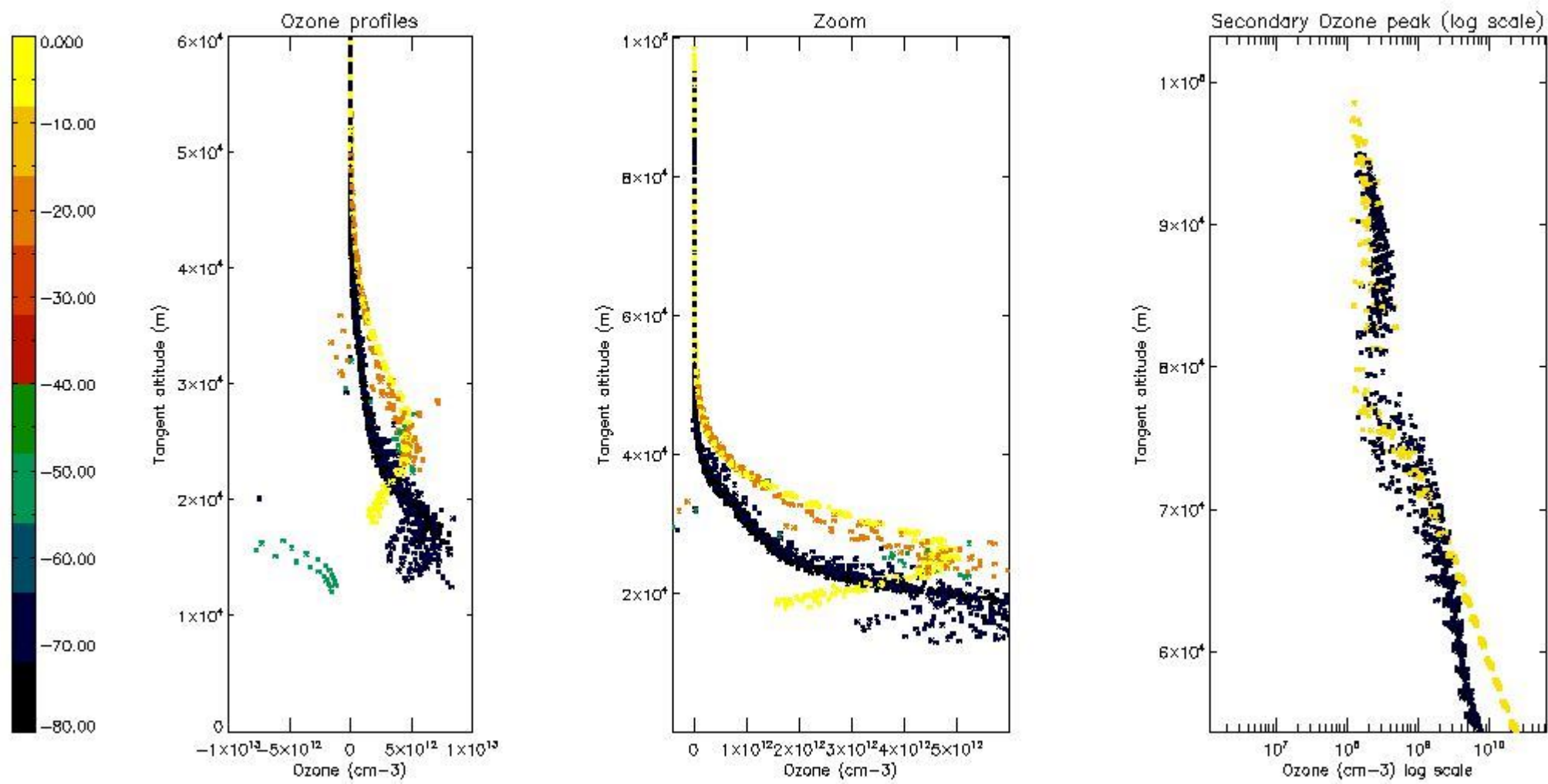
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



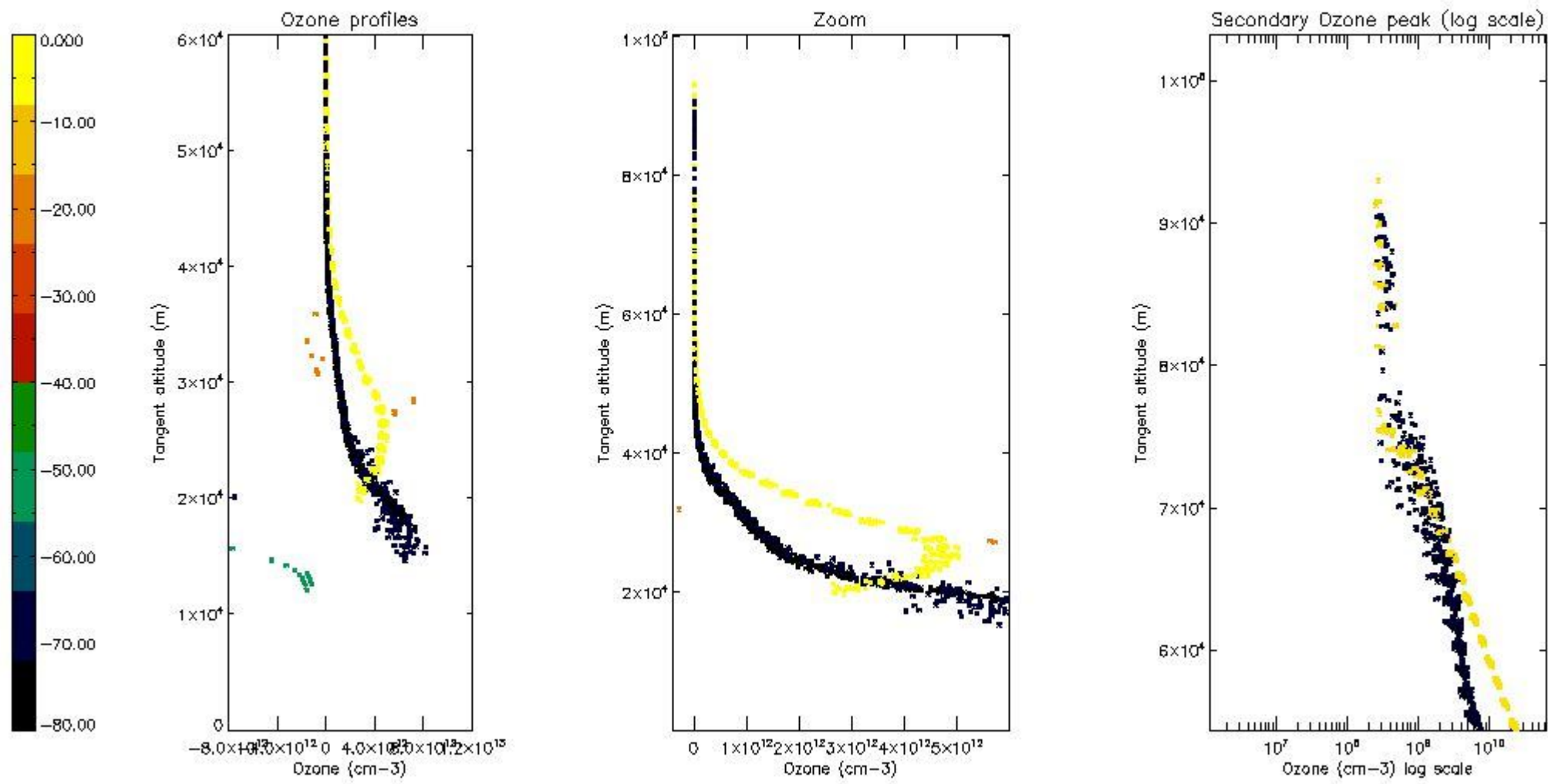
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



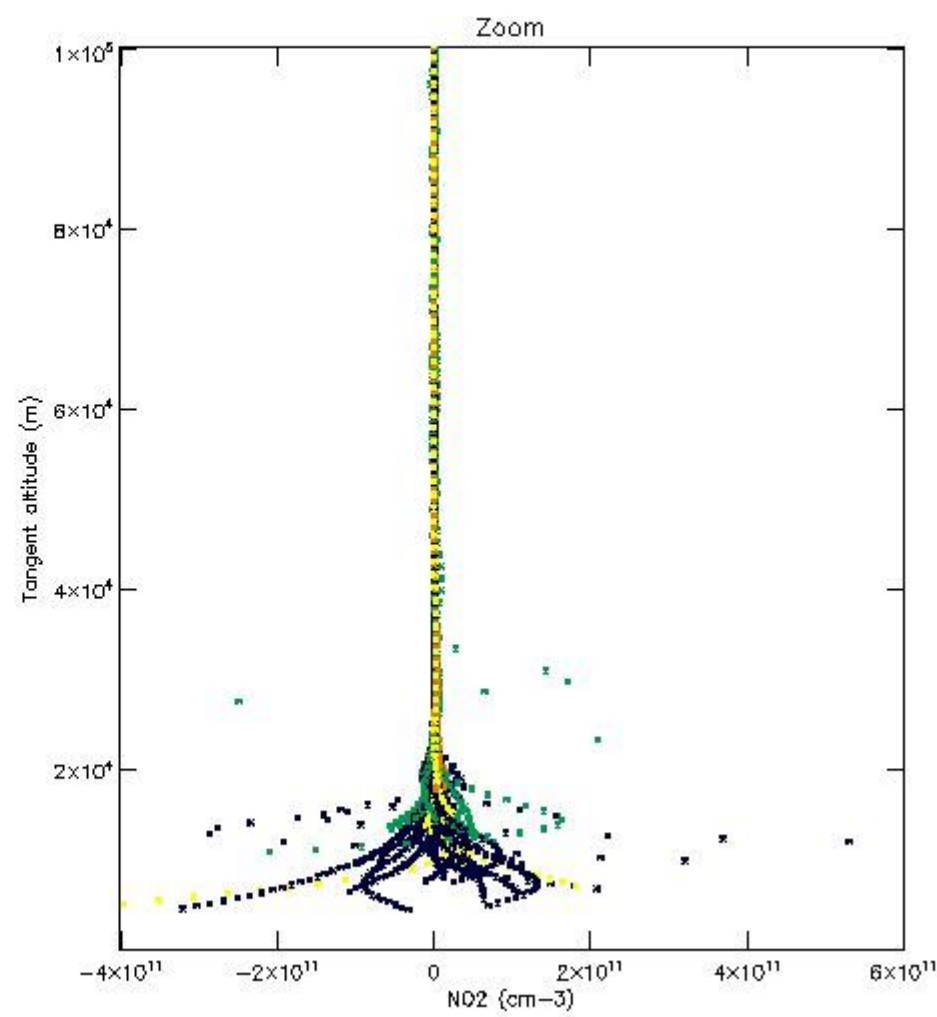
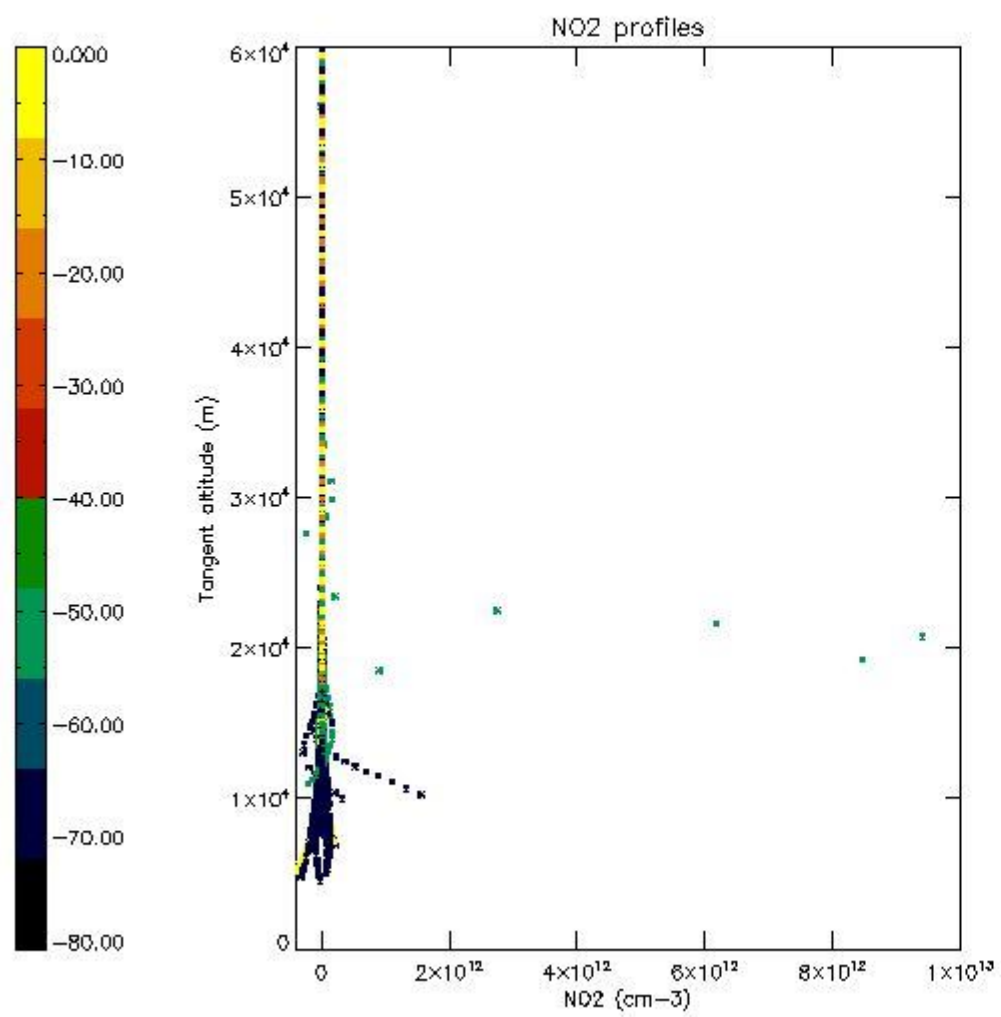
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



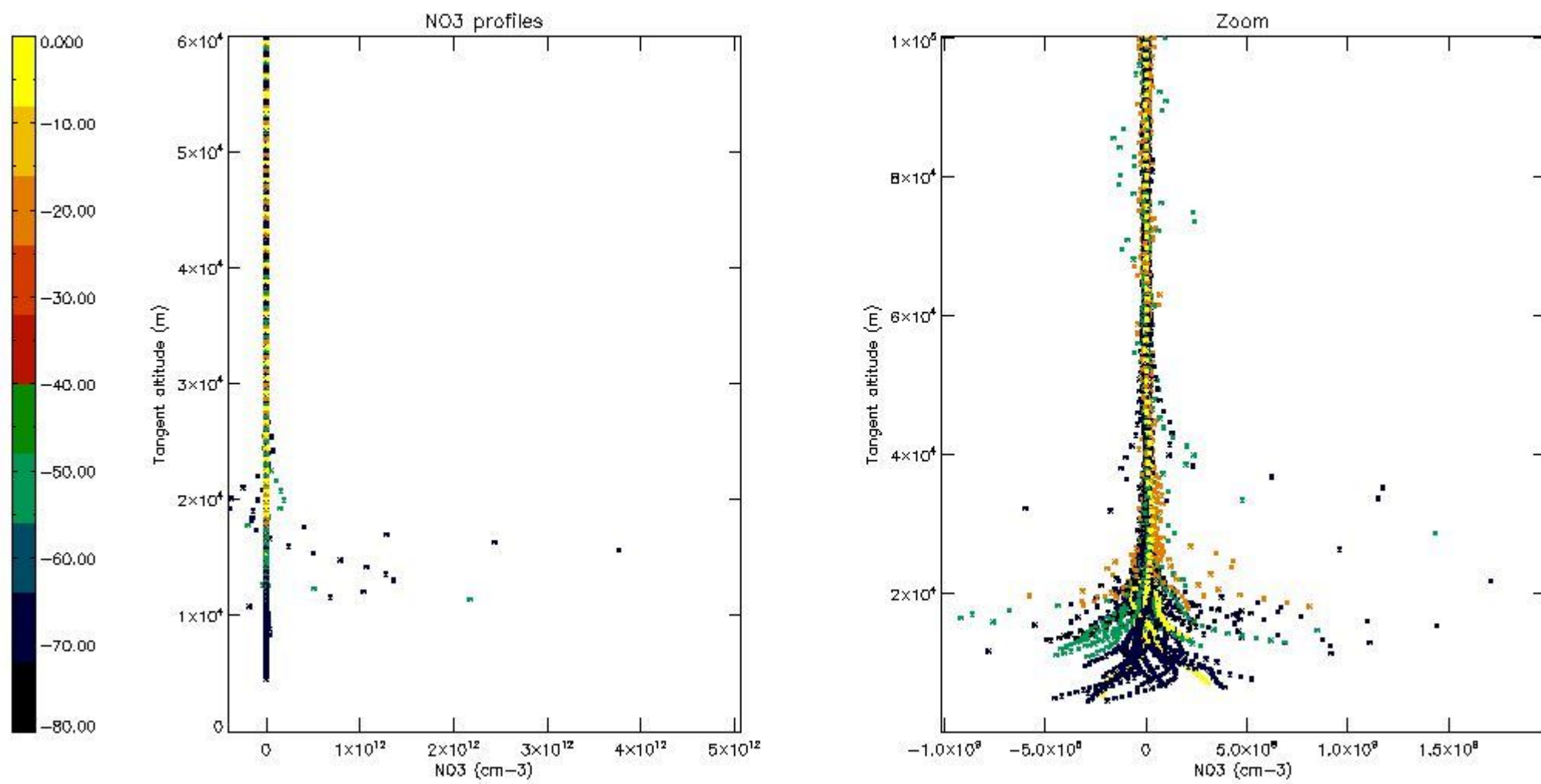
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



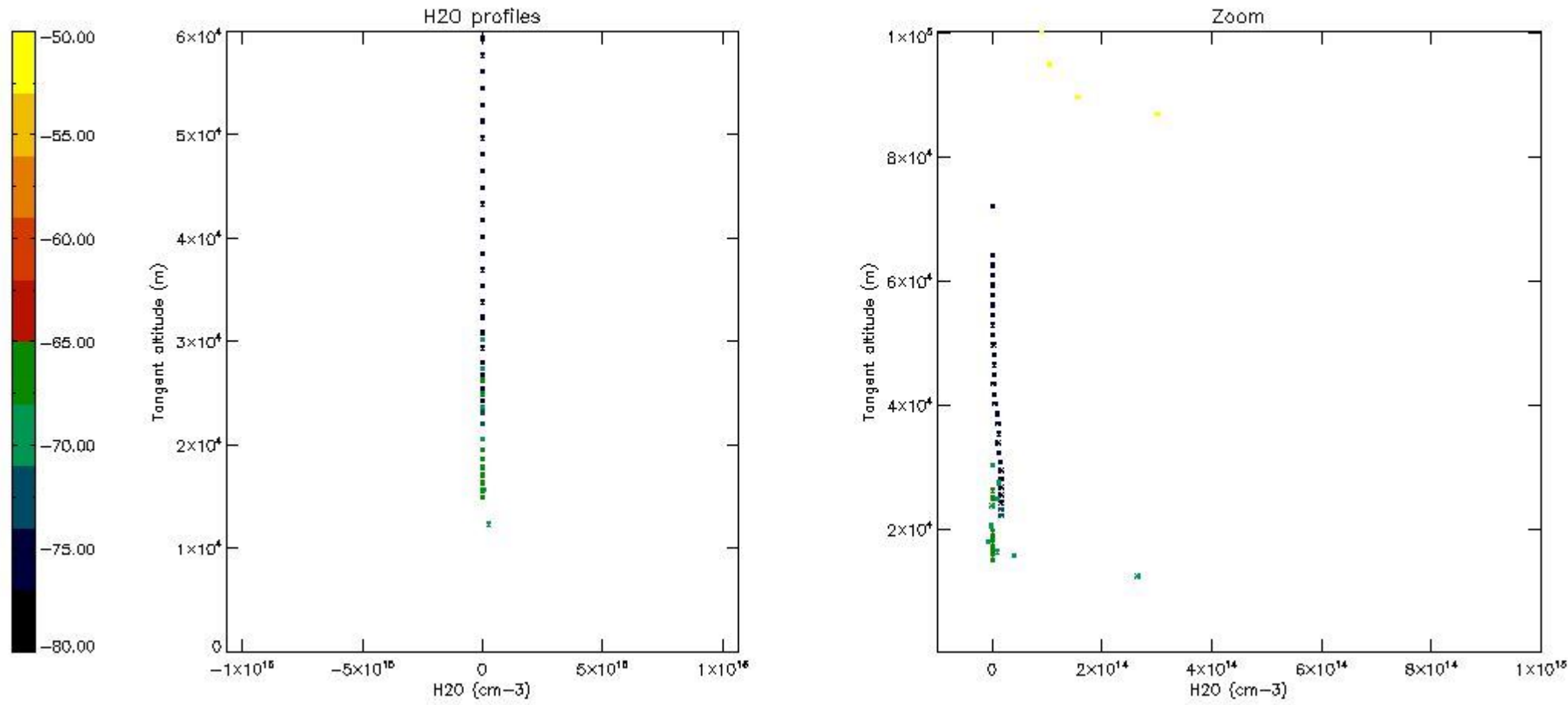
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

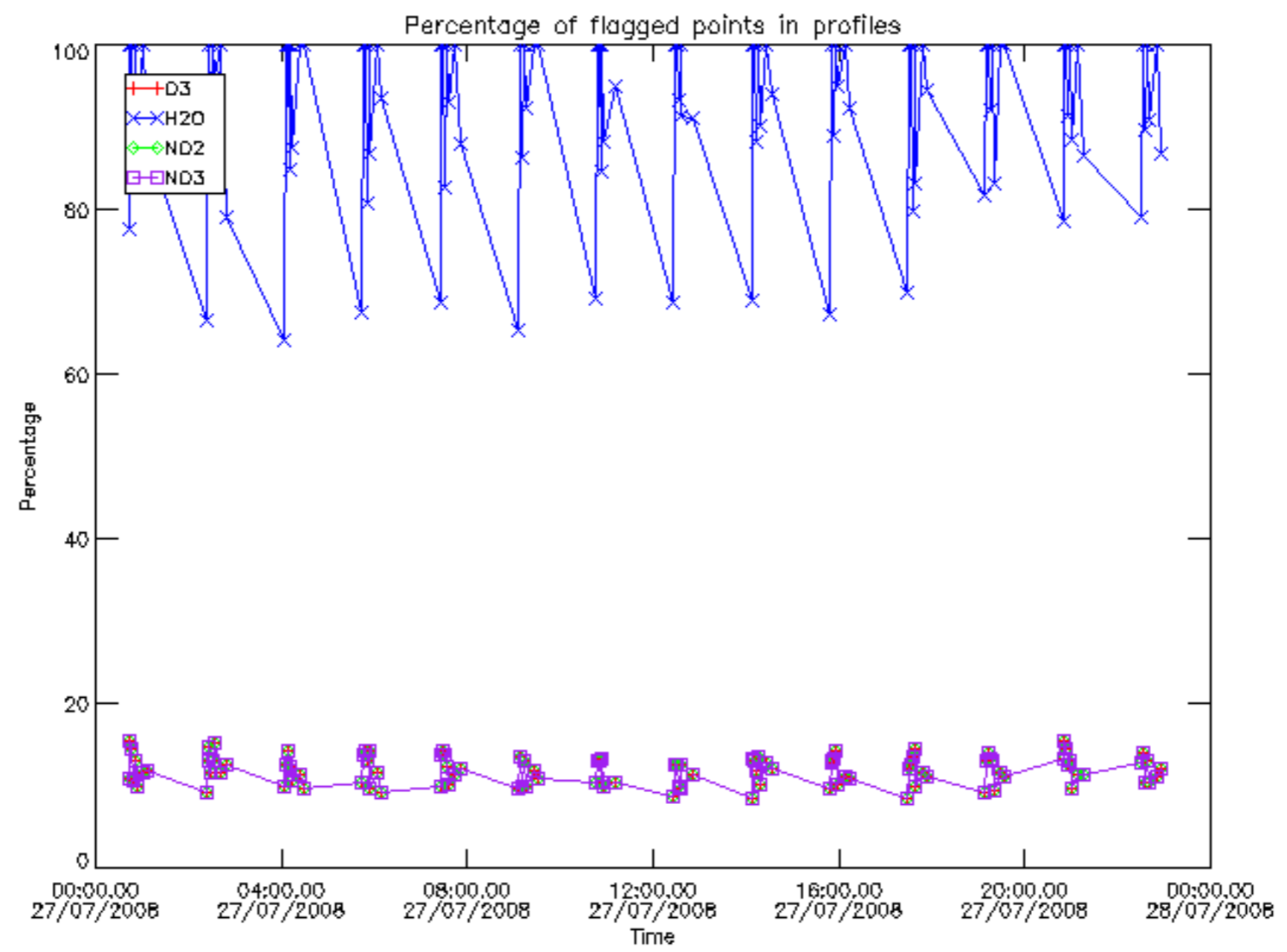
The colorbar represents the latitude.



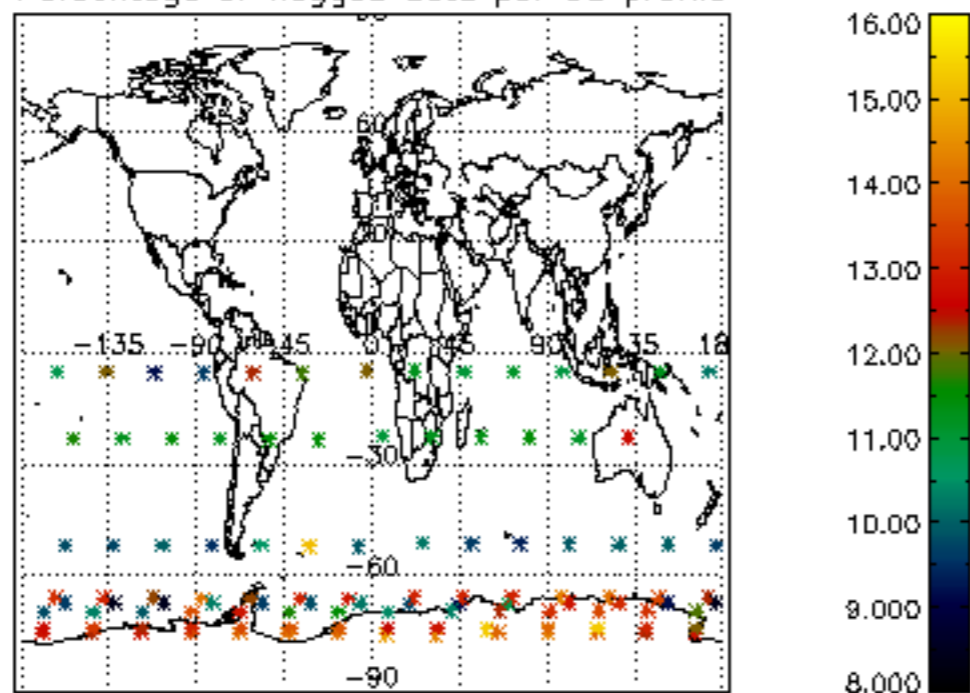
6. Auxiliary Data Files used for the production reported in section 2

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.

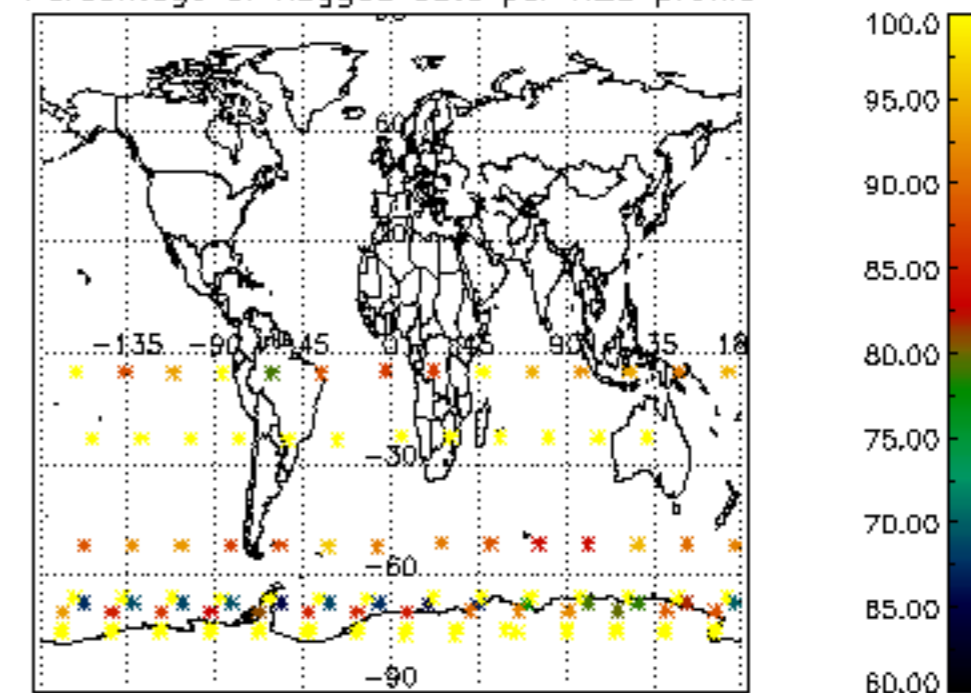
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JUL-2008 00:05:41
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JUL-2008 00:05:41
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JUL-2008 00:05:41



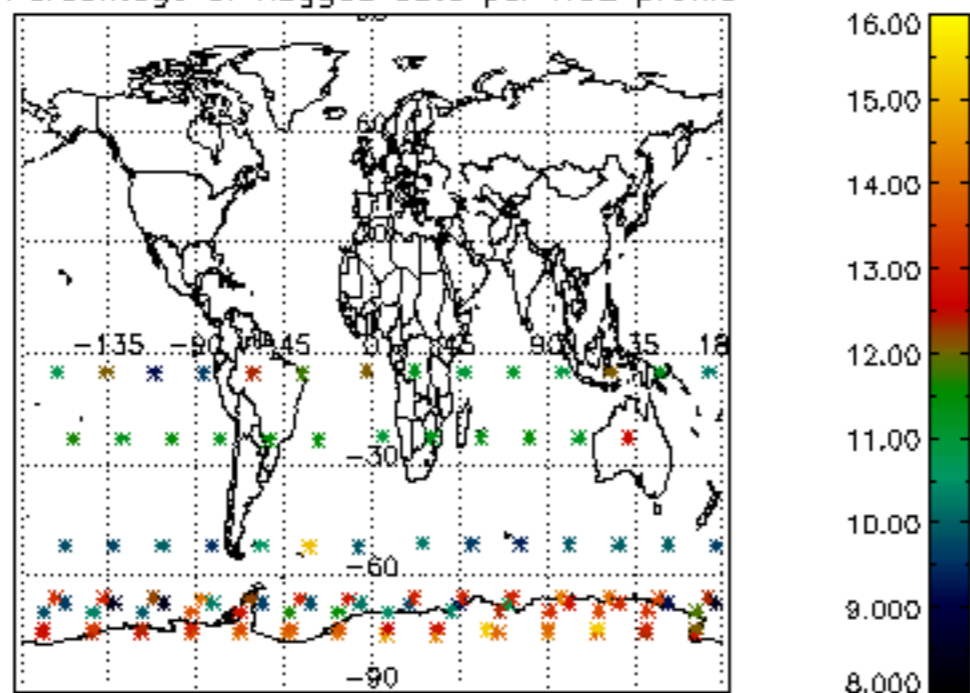
Percentage of flagged data per D3 profile



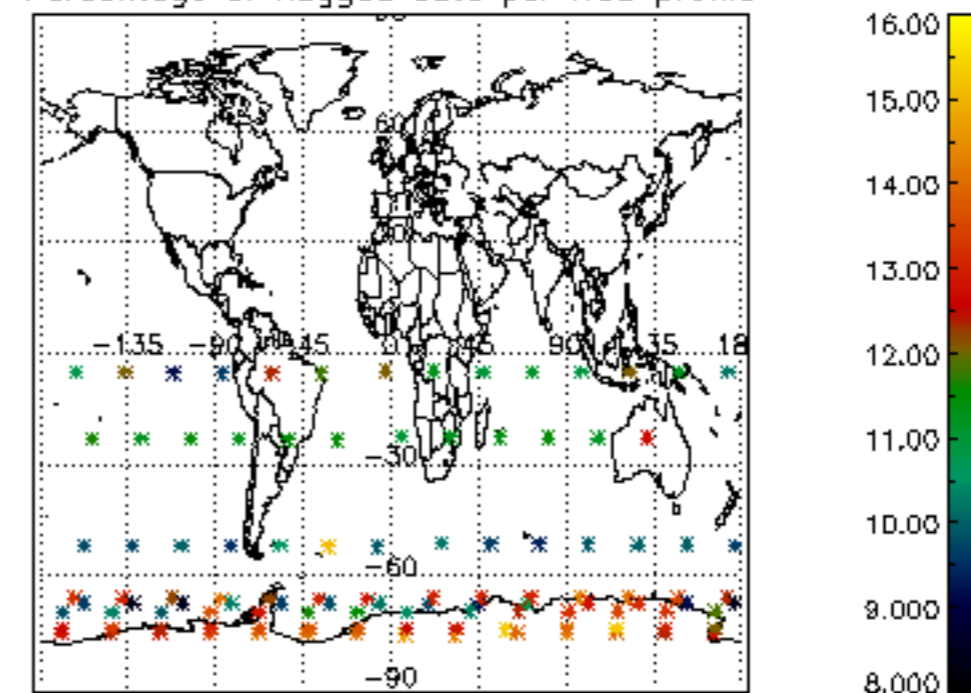
Percentage of flagged data per H2O profile

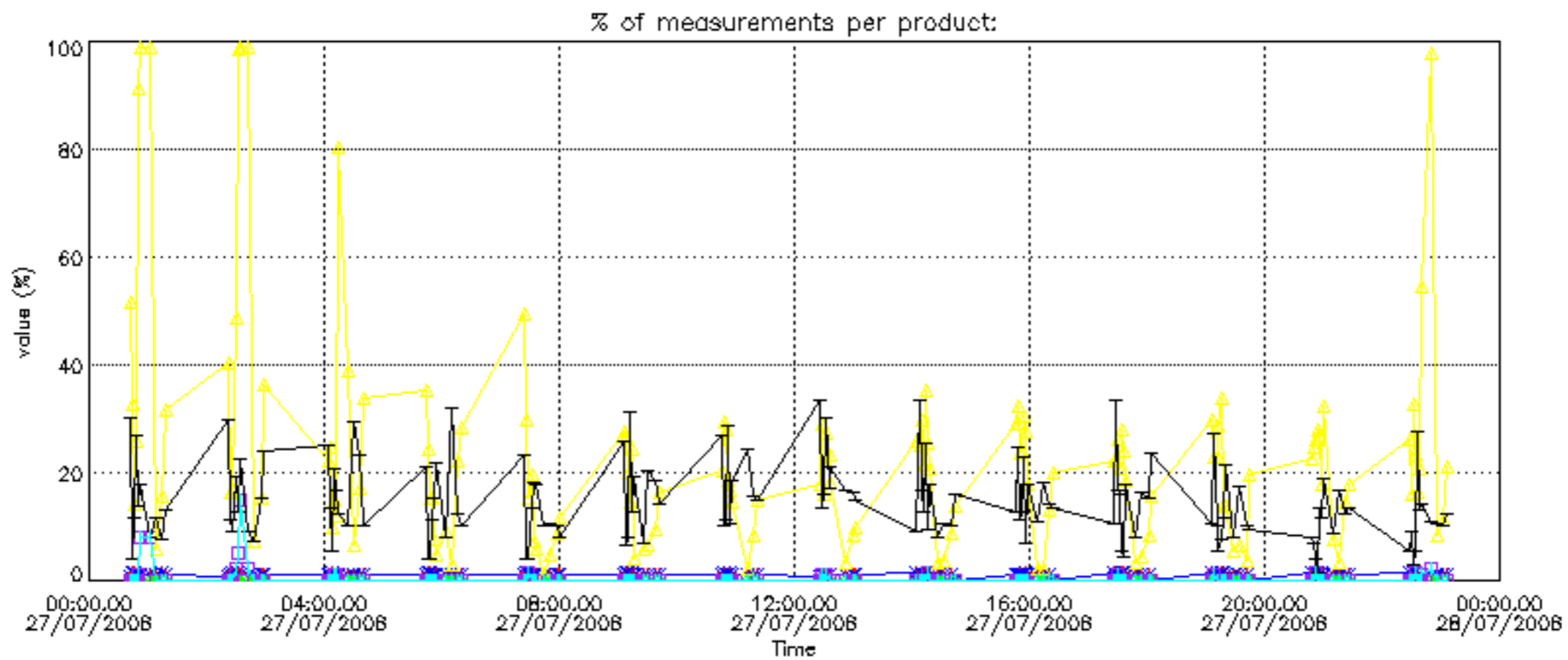


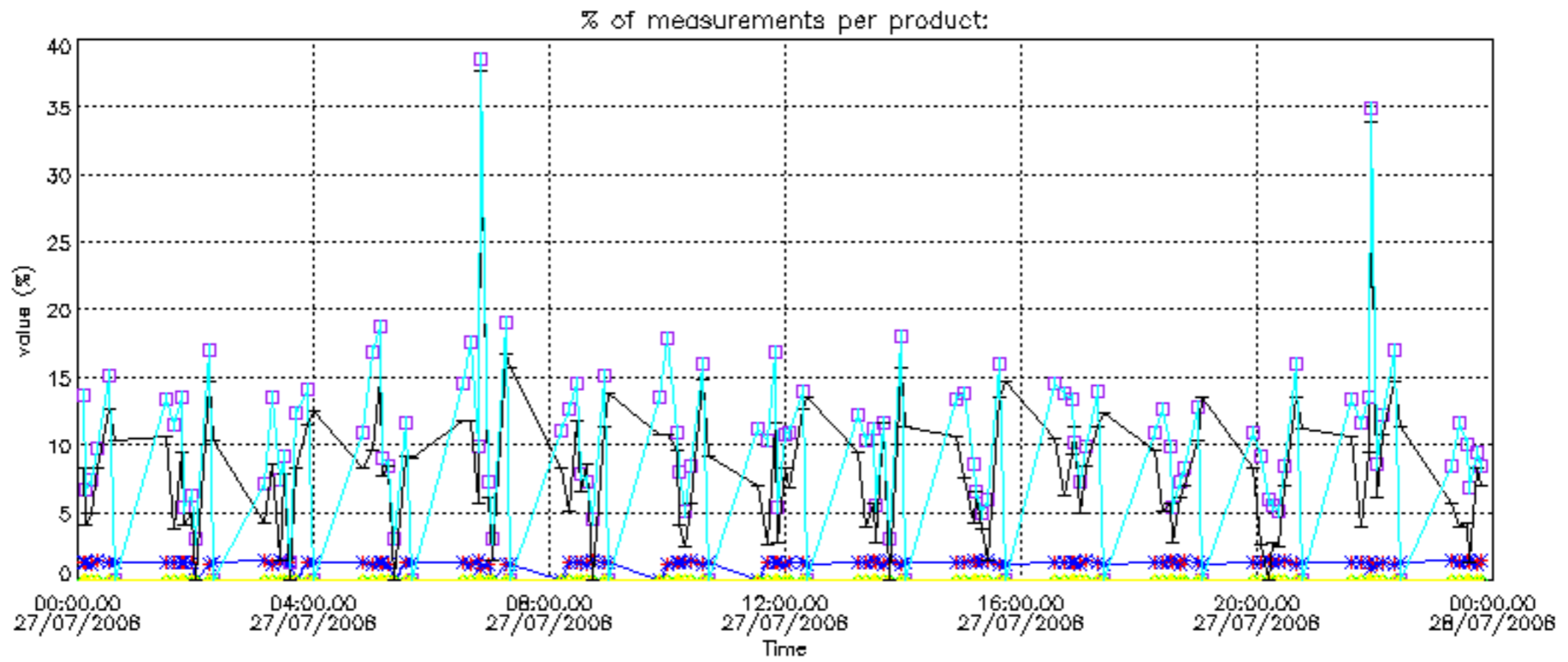
Percentage of flagged data per NO2 profile



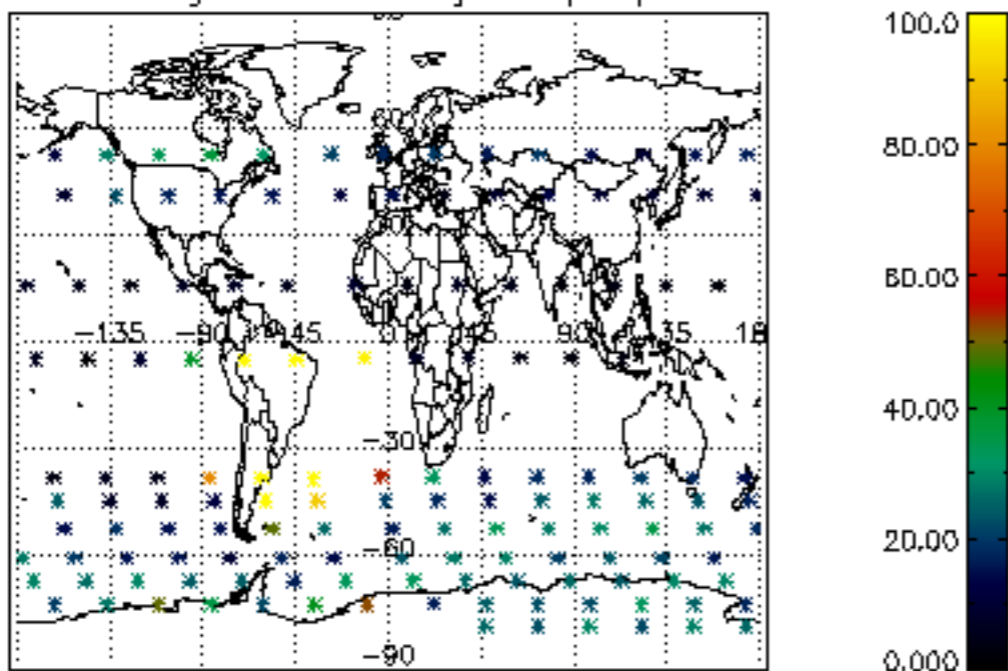
Percentage of flagged data per NO3 profile



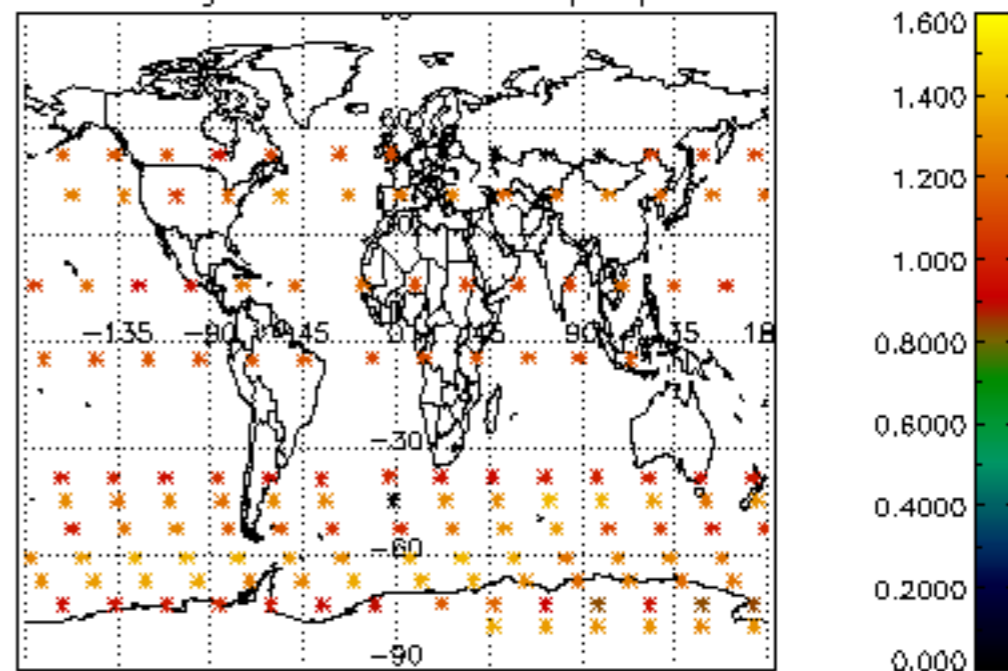




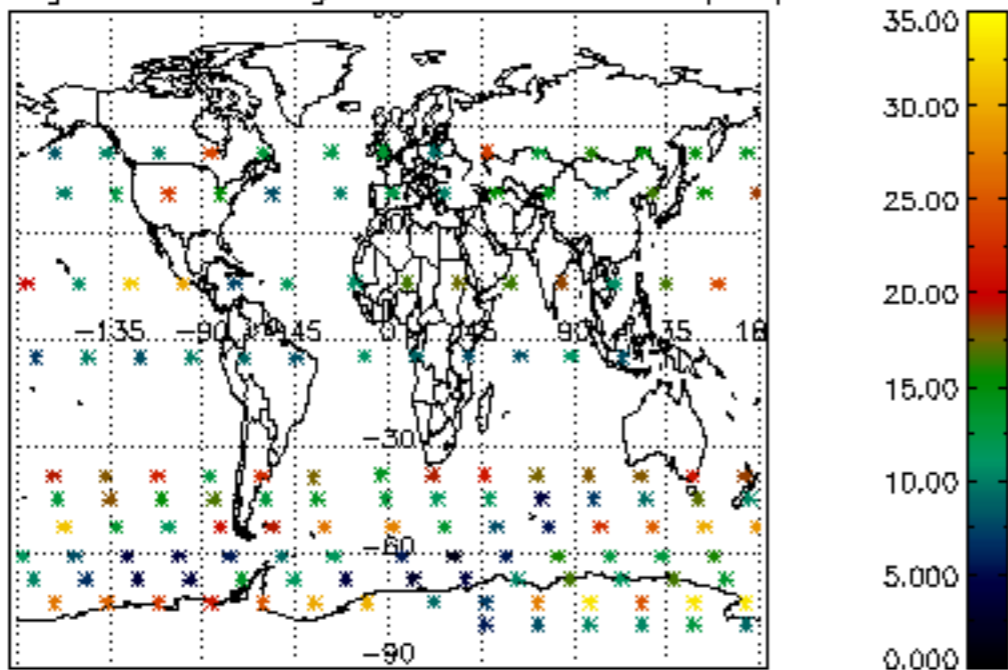
Percentage of cosmic ray hits per profile



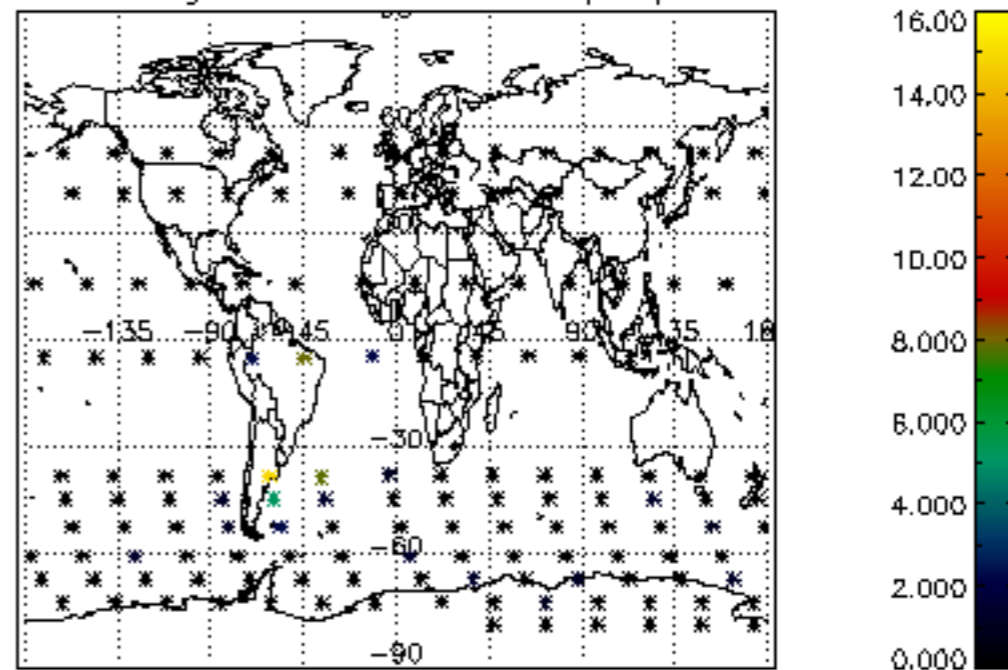
Percentage of datation errors per profile



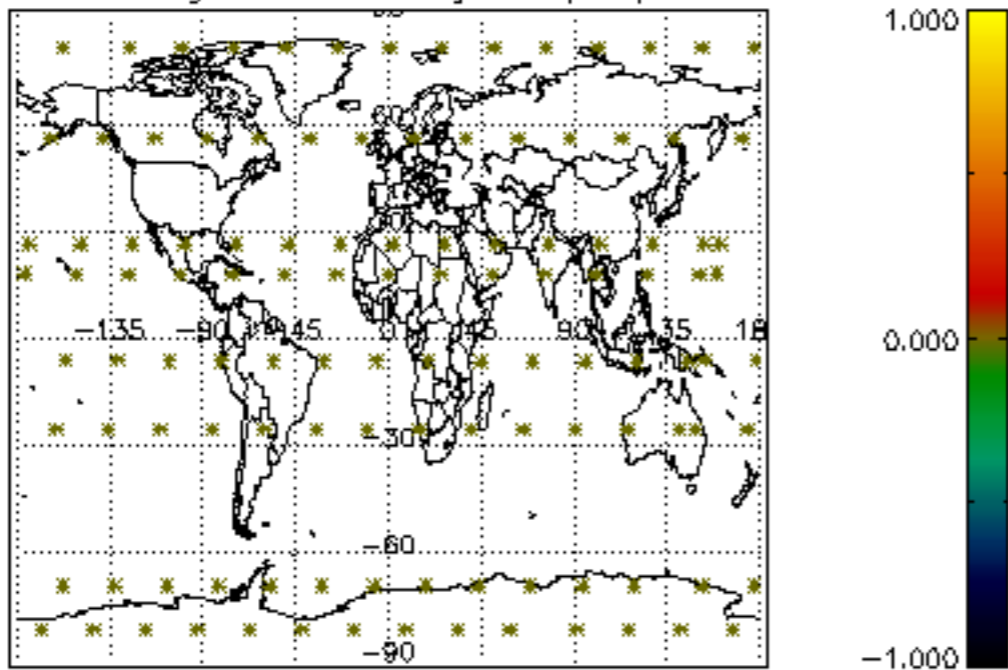
Percentage of star falling outside central band per profile



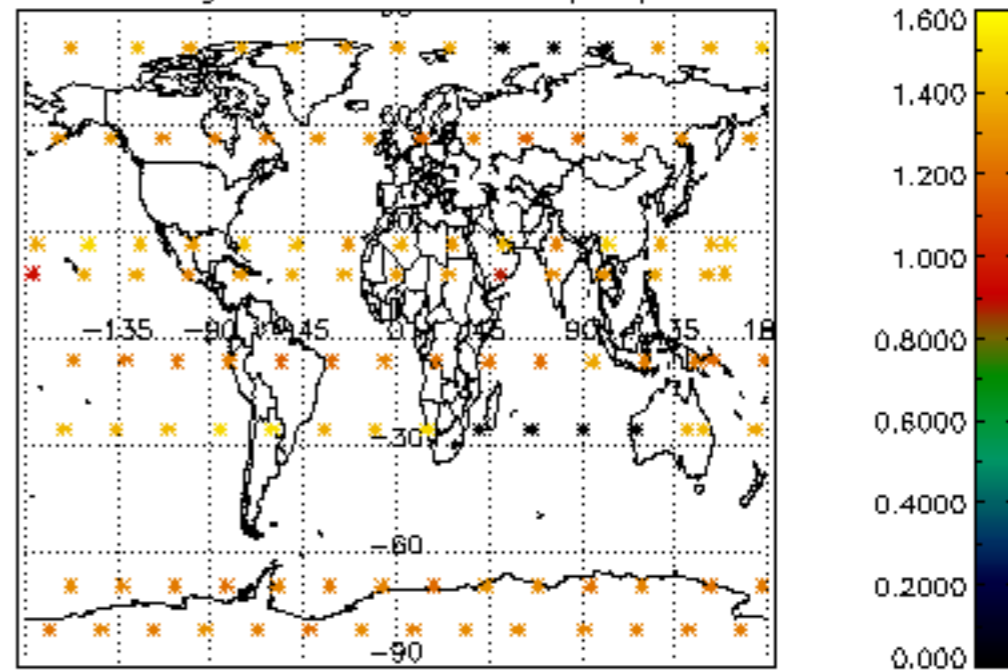
Percentage of saturation errors per profile



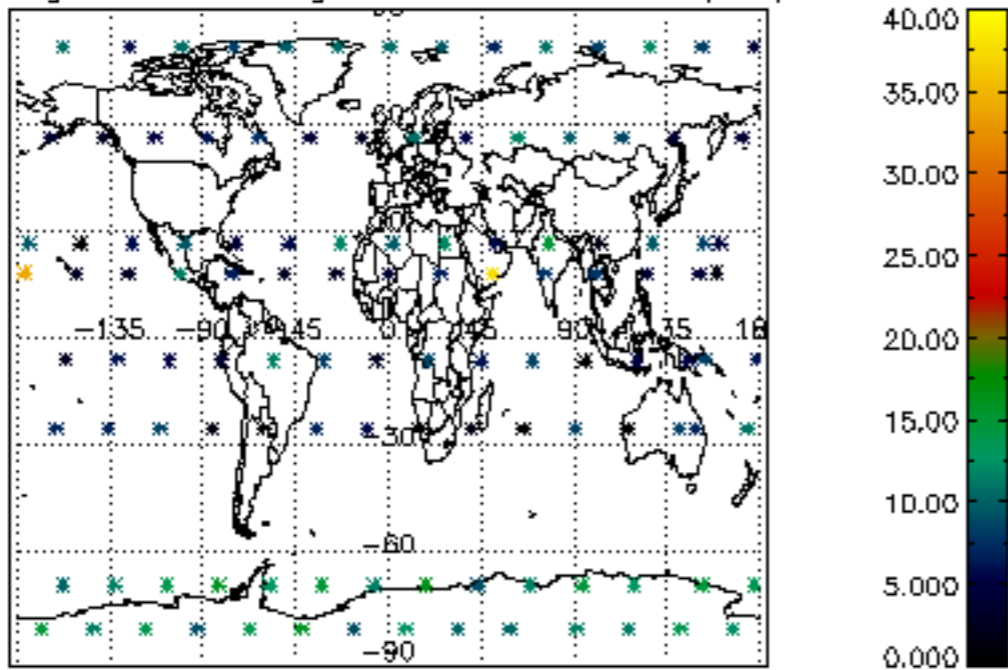
Percentage of cosmic ray hits per profile



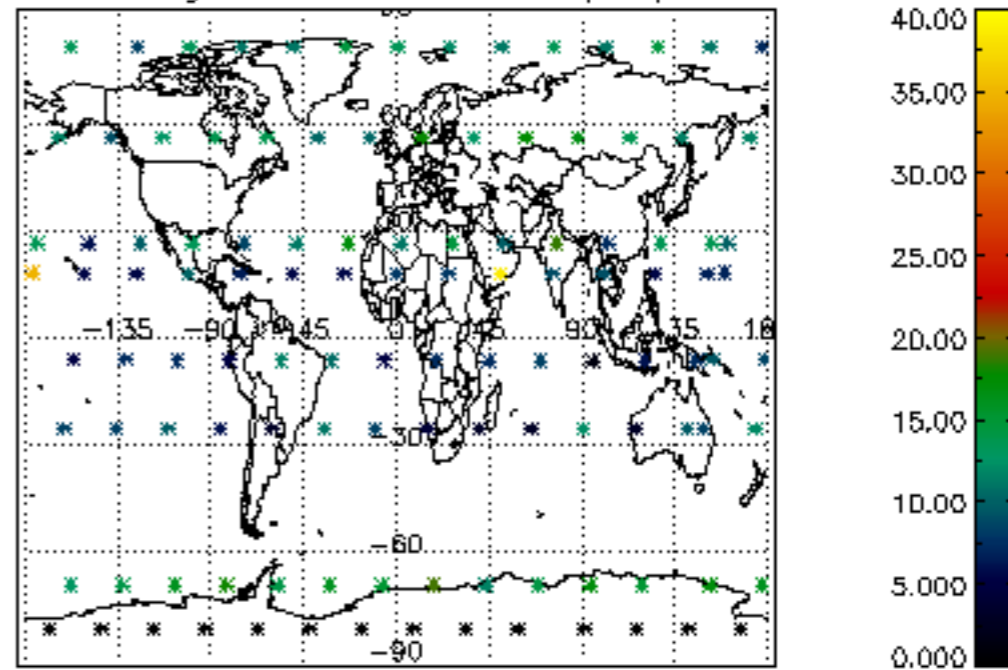
Percentage of datation errors per profile

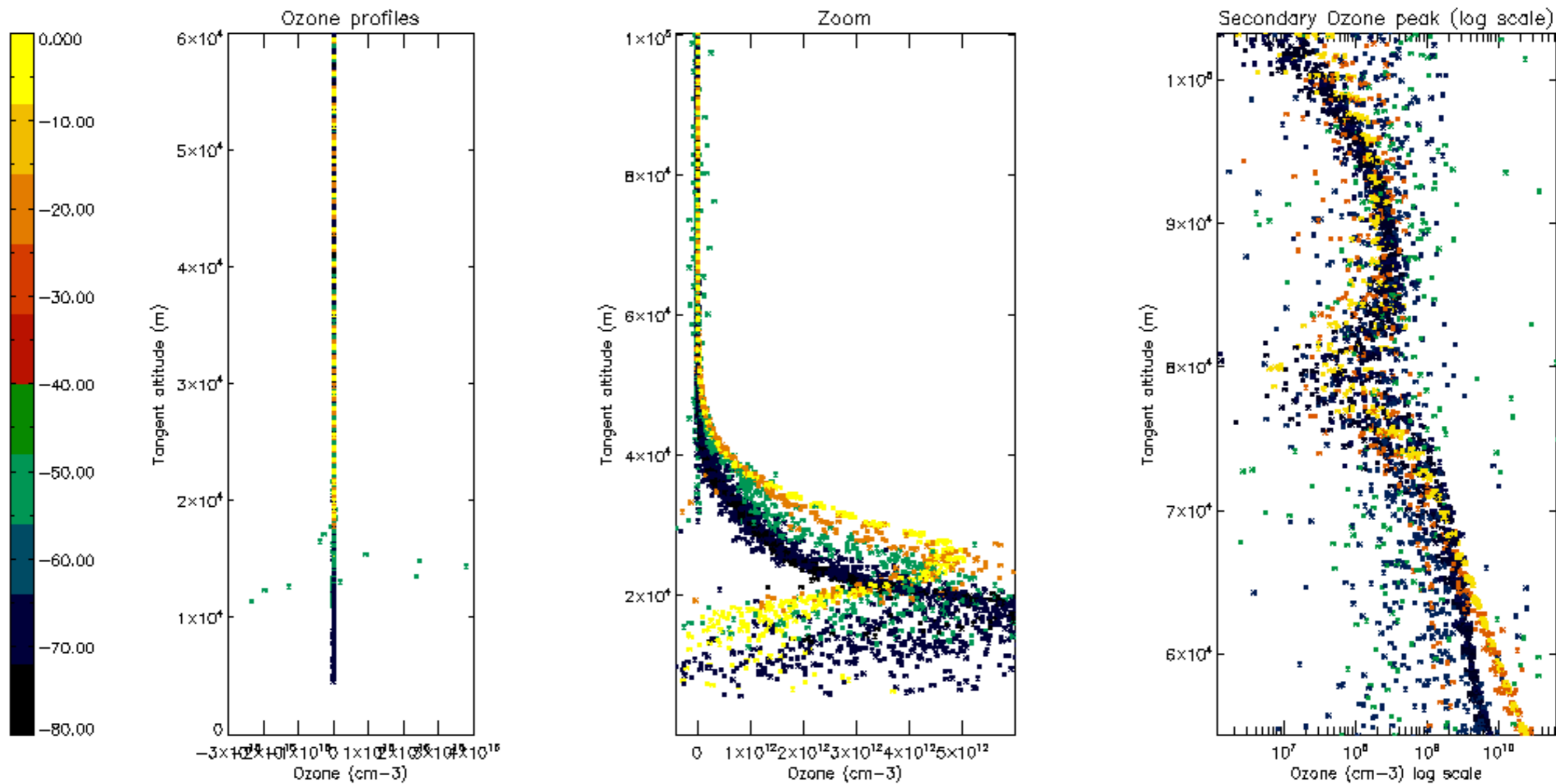


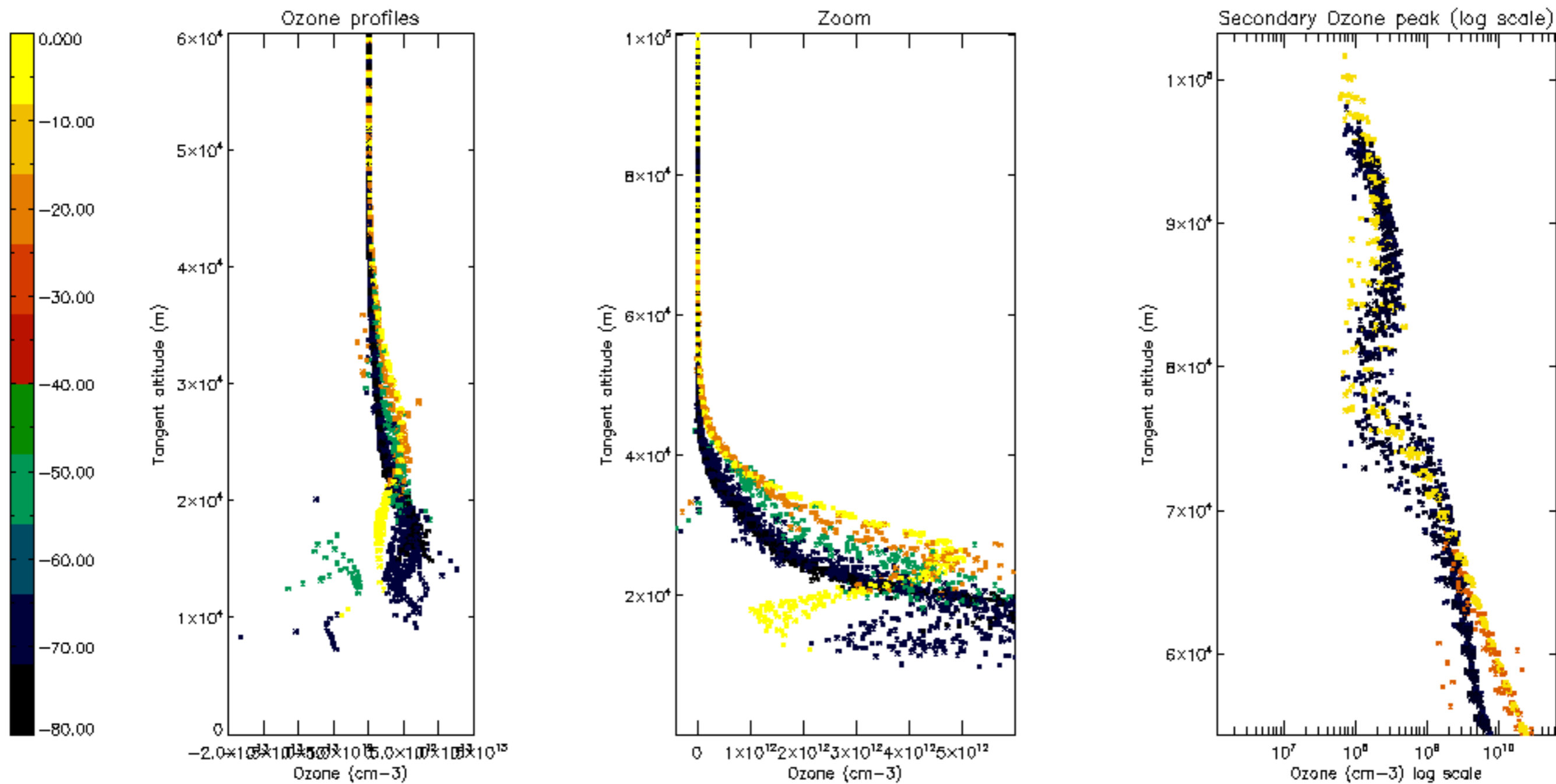
Percentage of star falling outside central band per profile

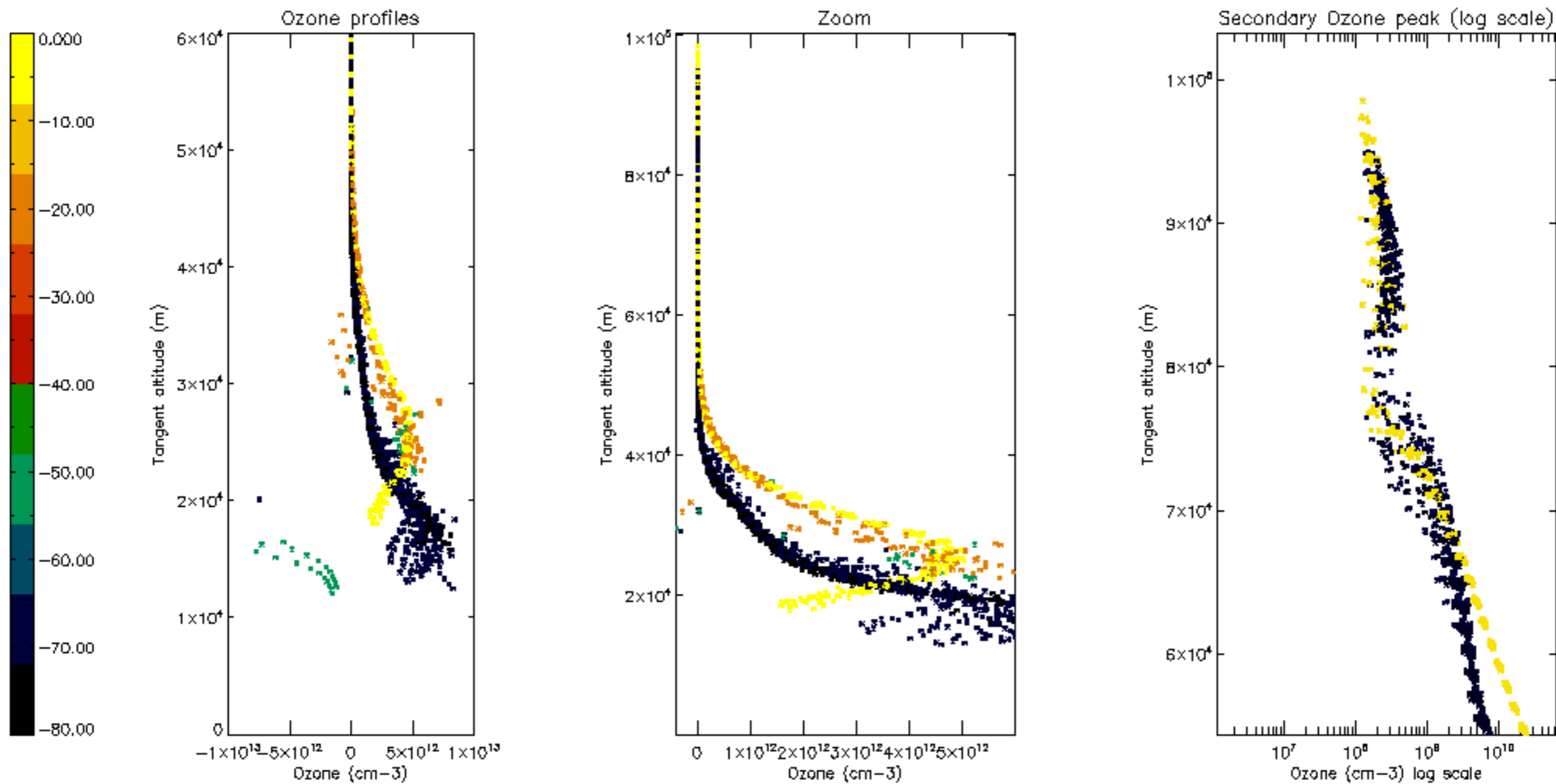


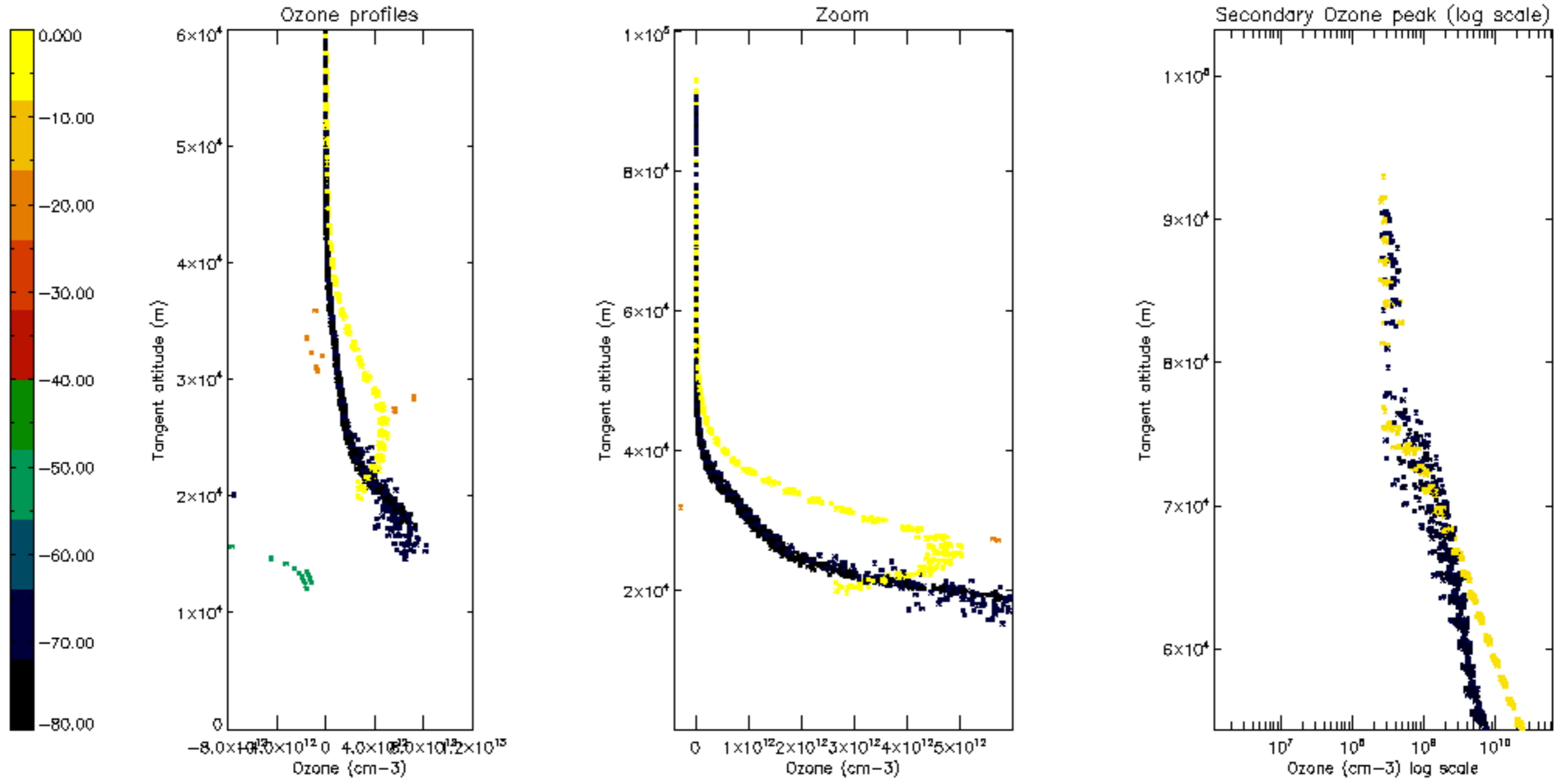
Percentage of saturation errors per profile

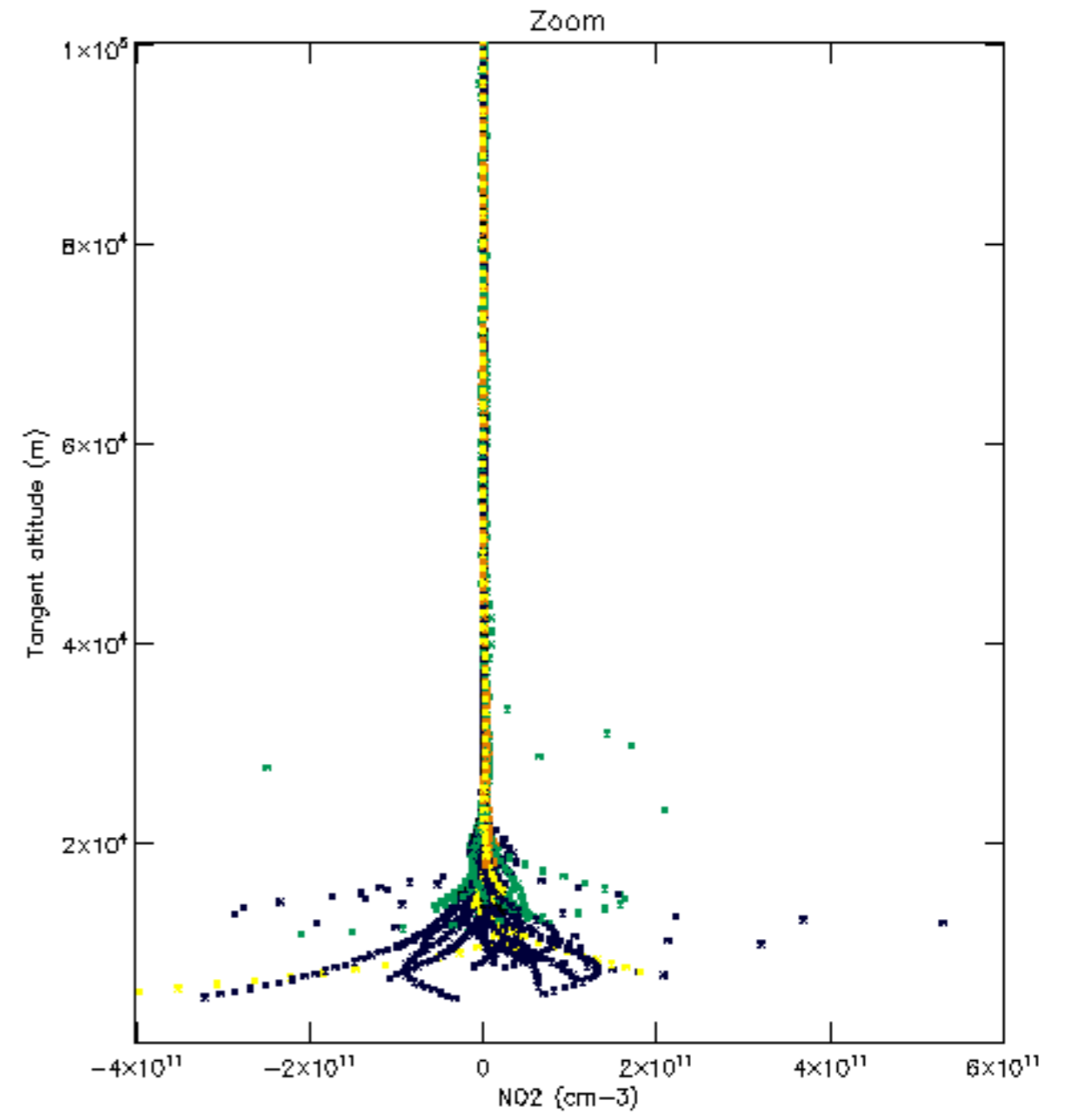
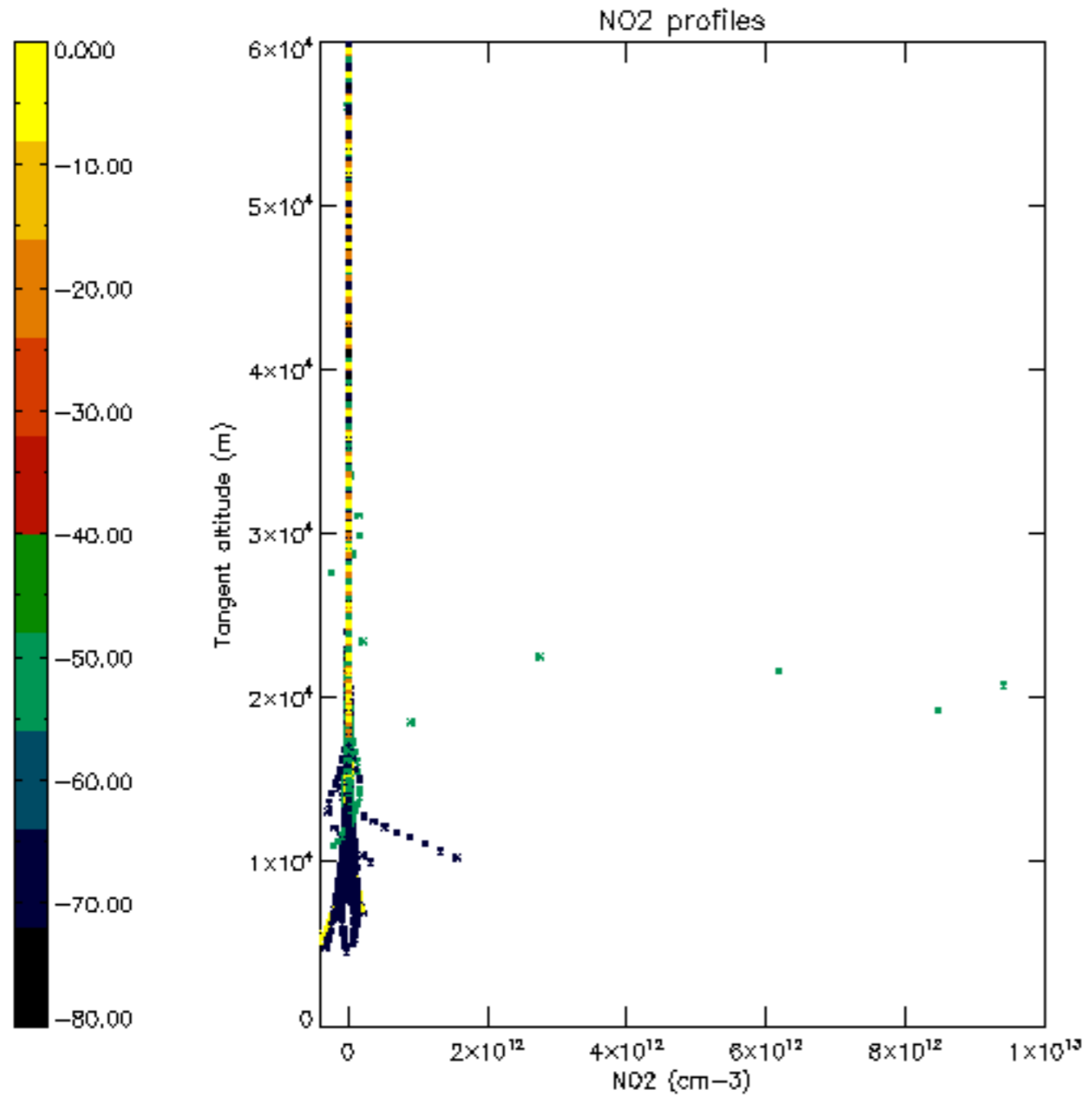


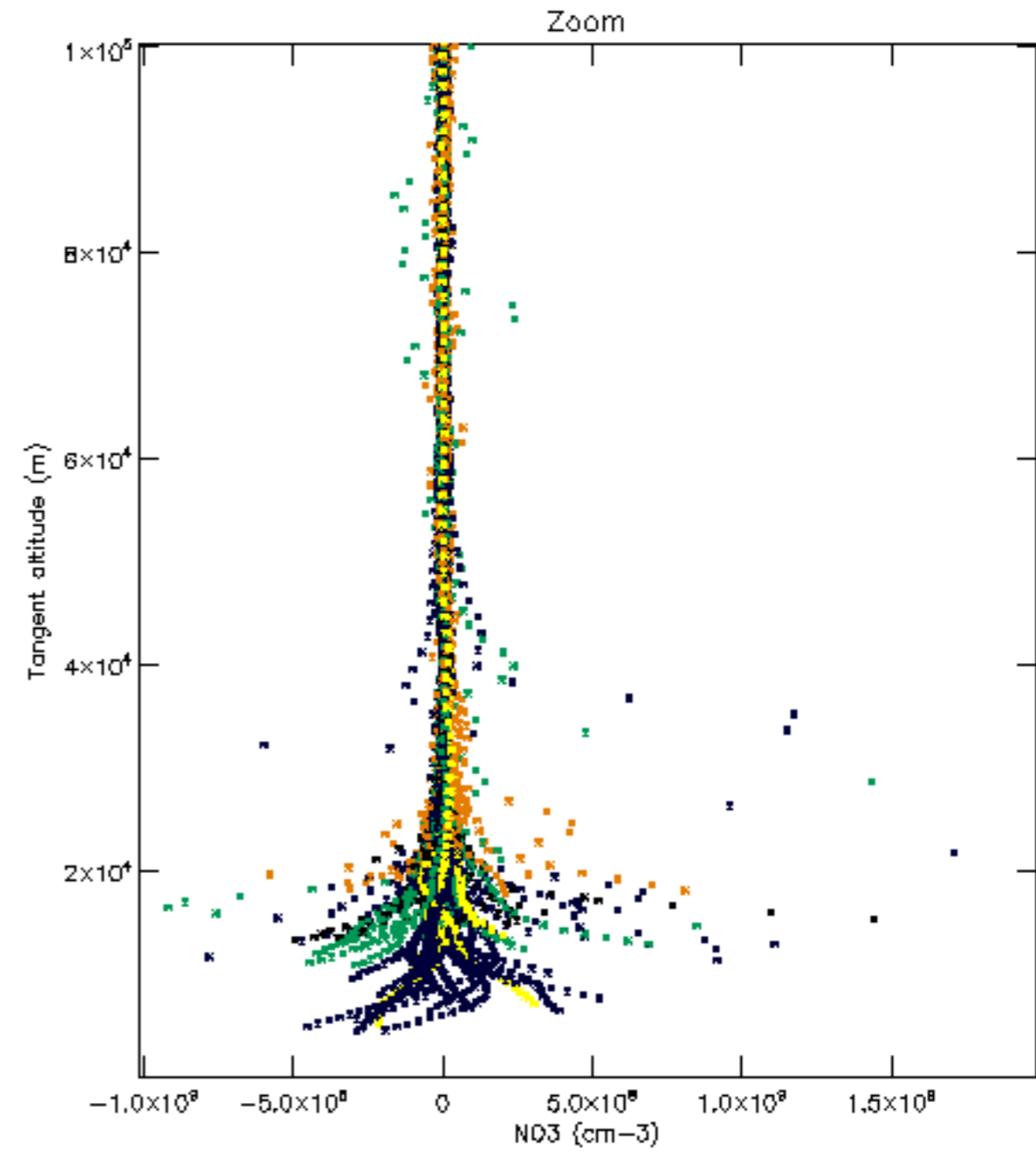
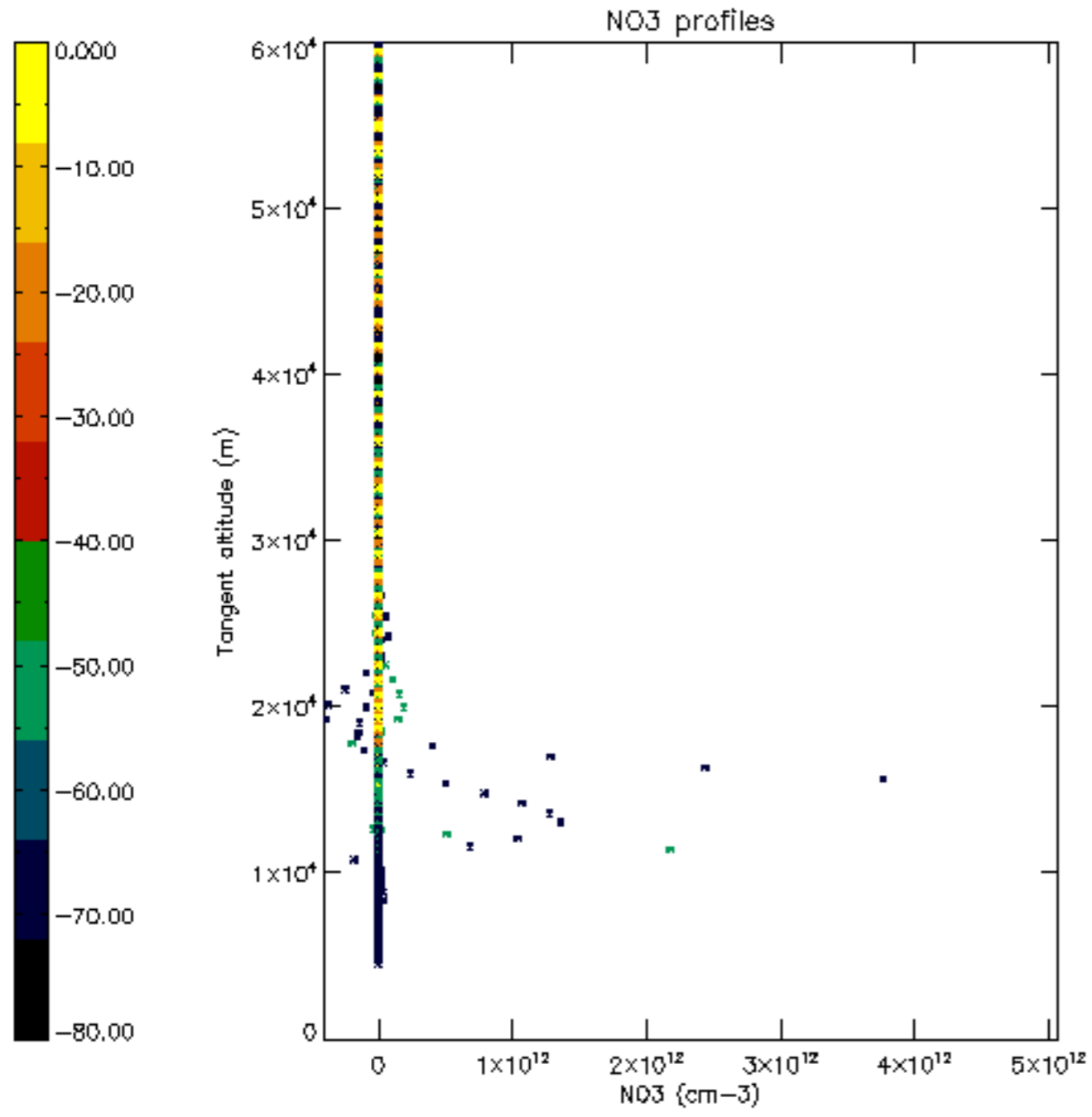


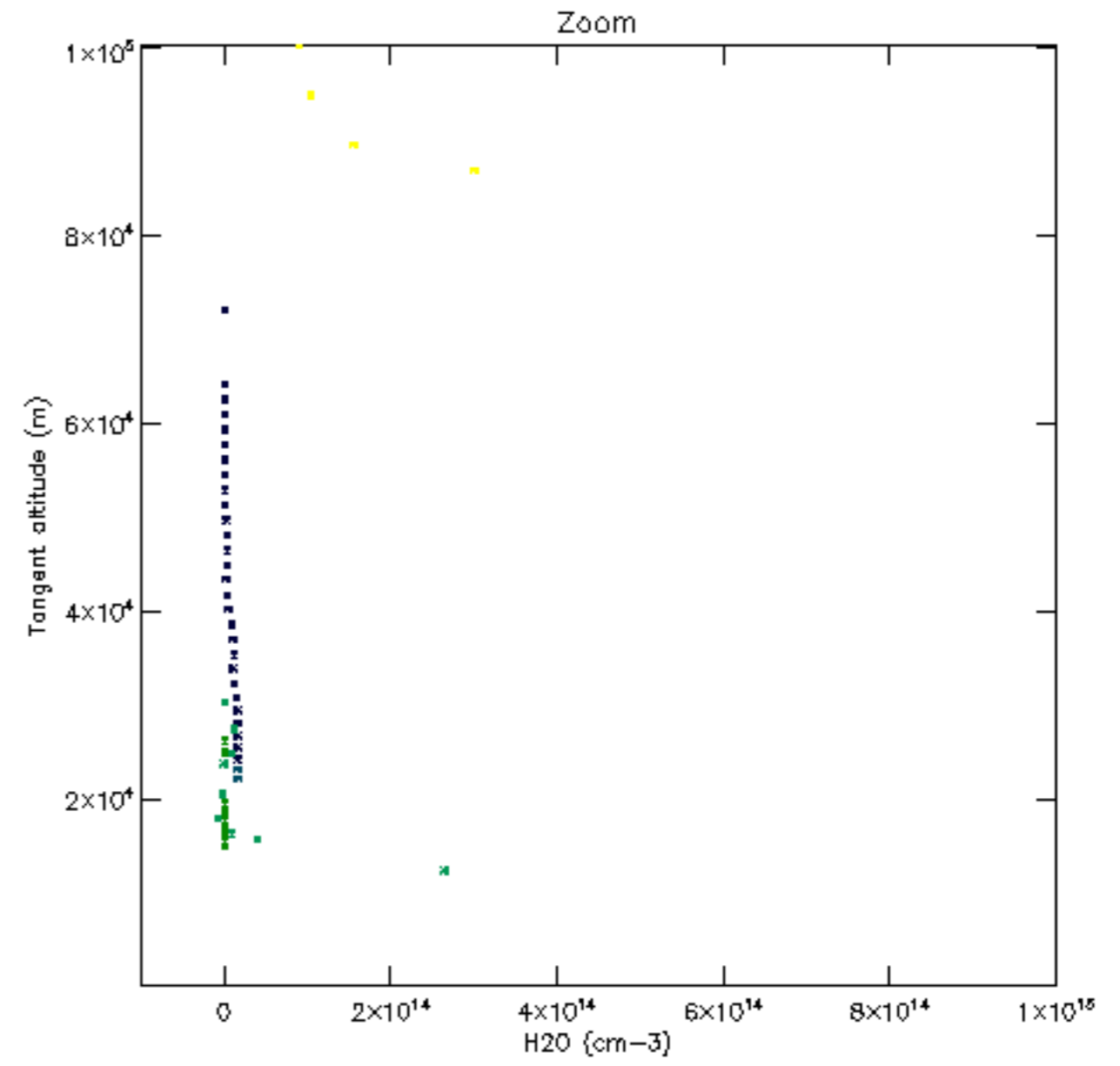
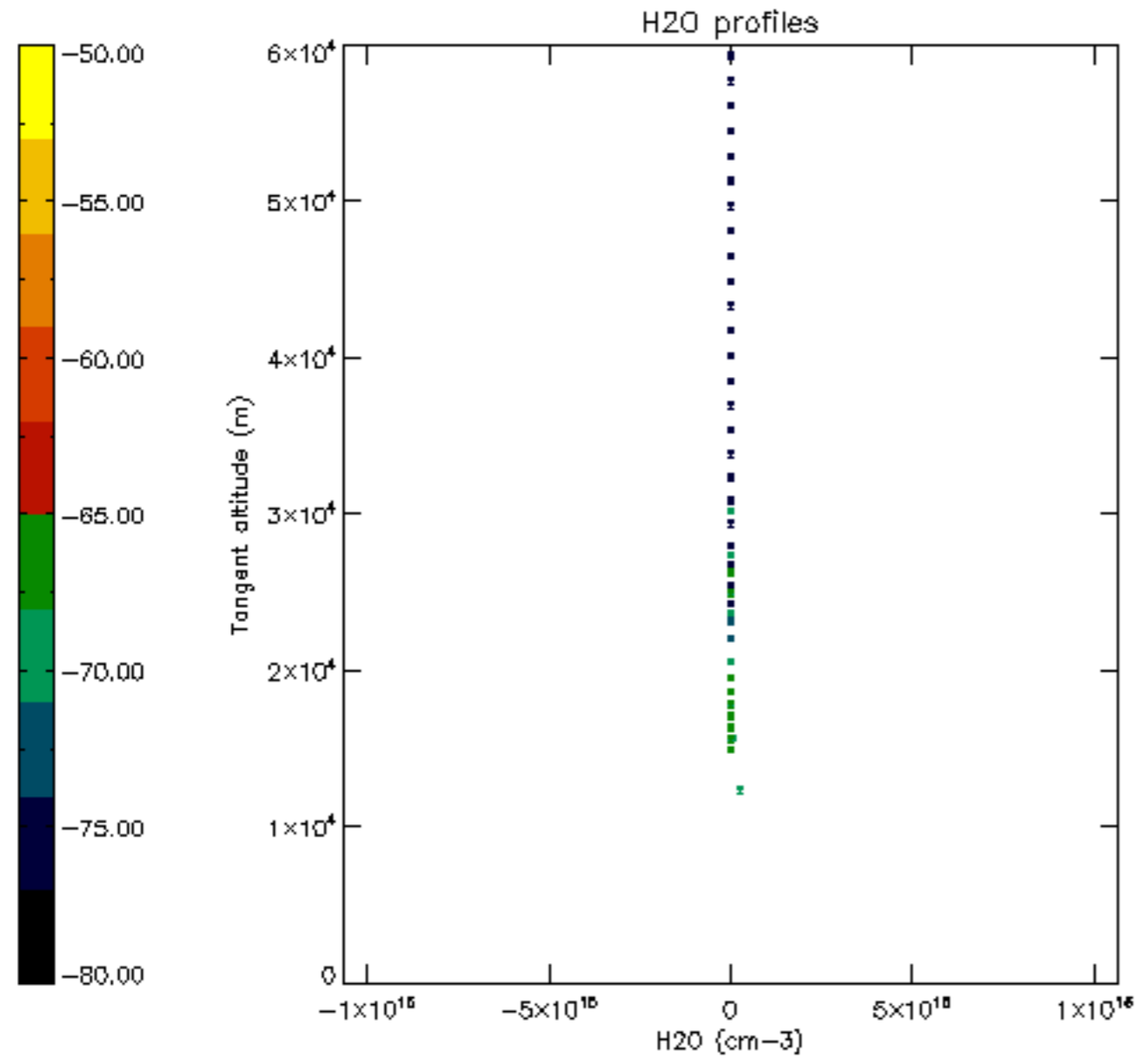


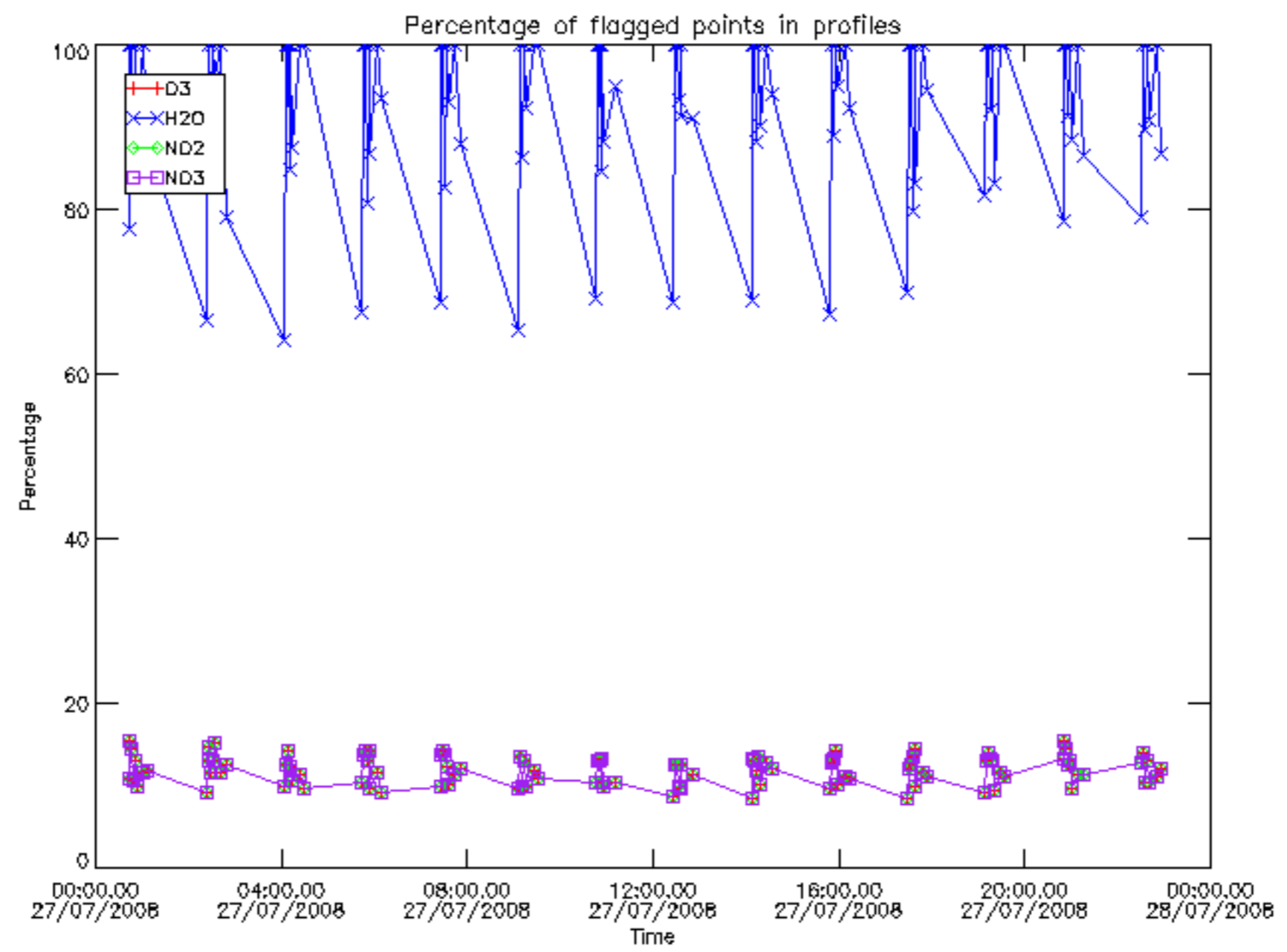




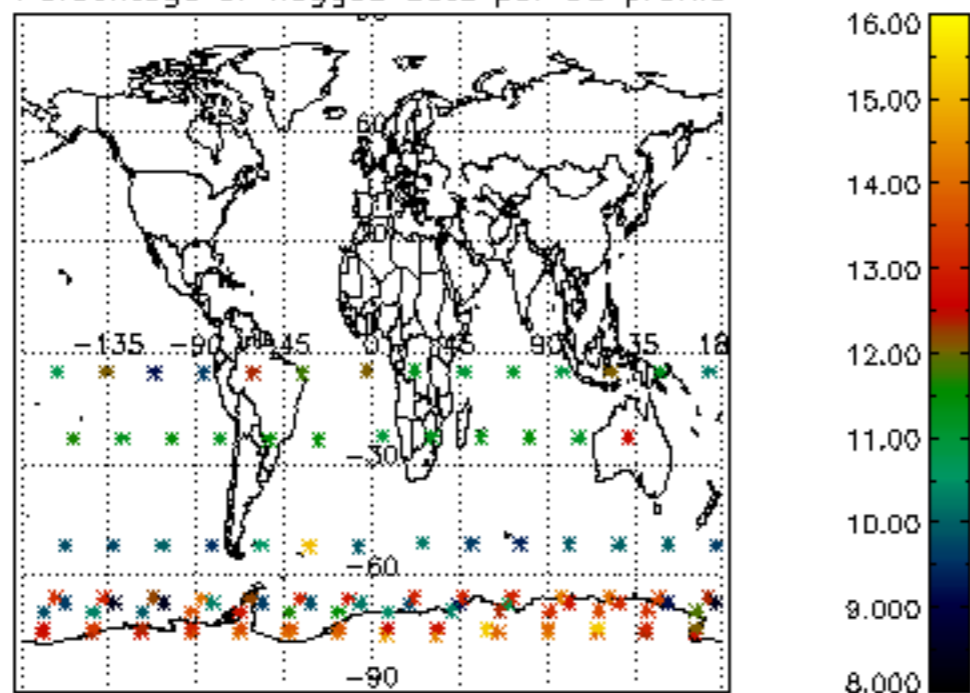




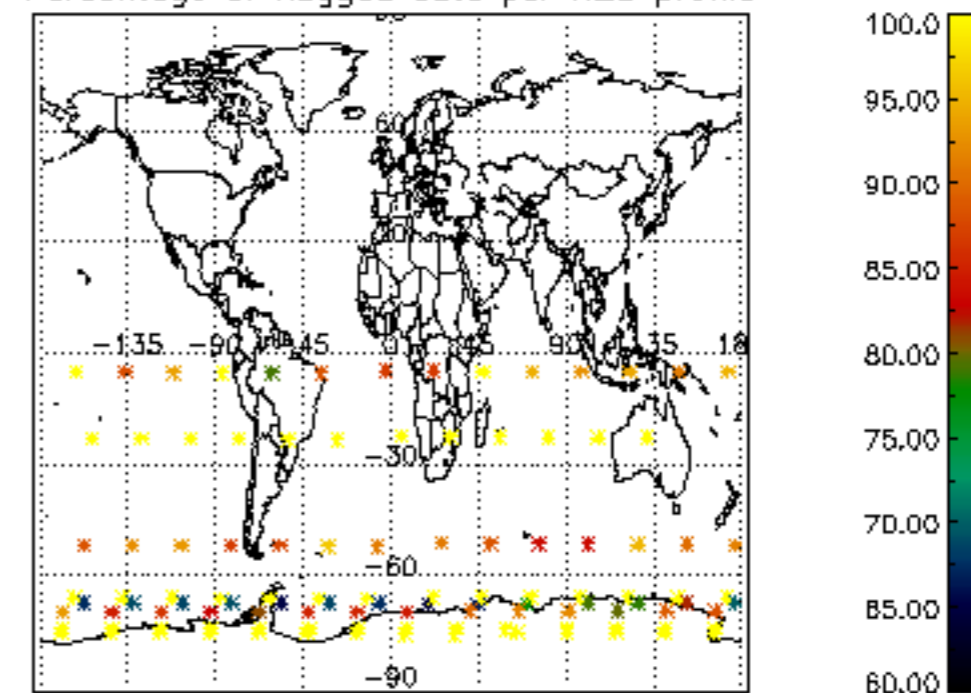




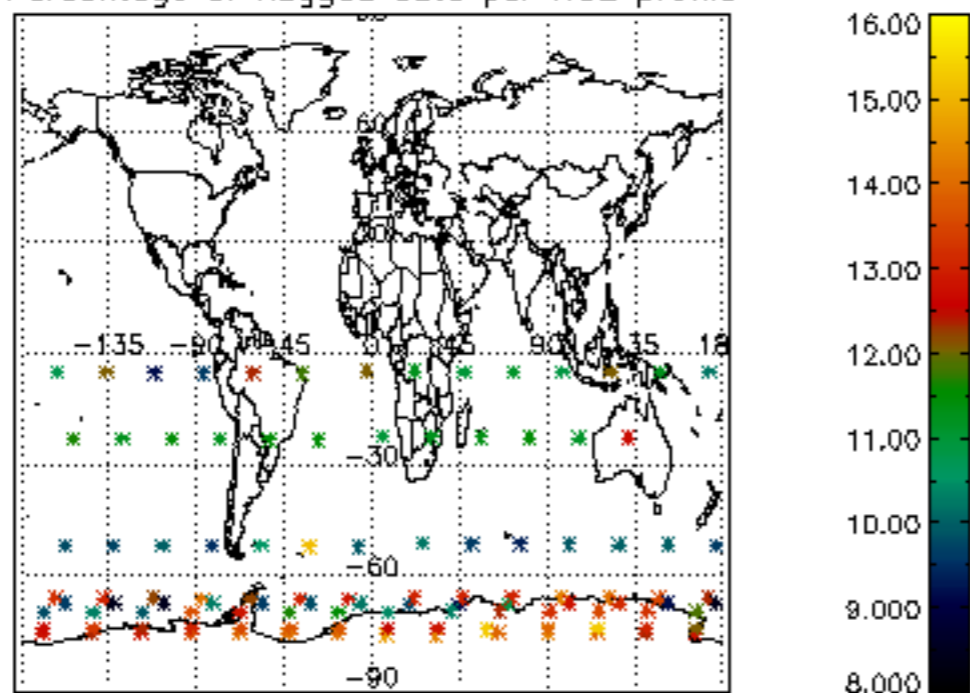
Percentage of flagged data per D3 profile



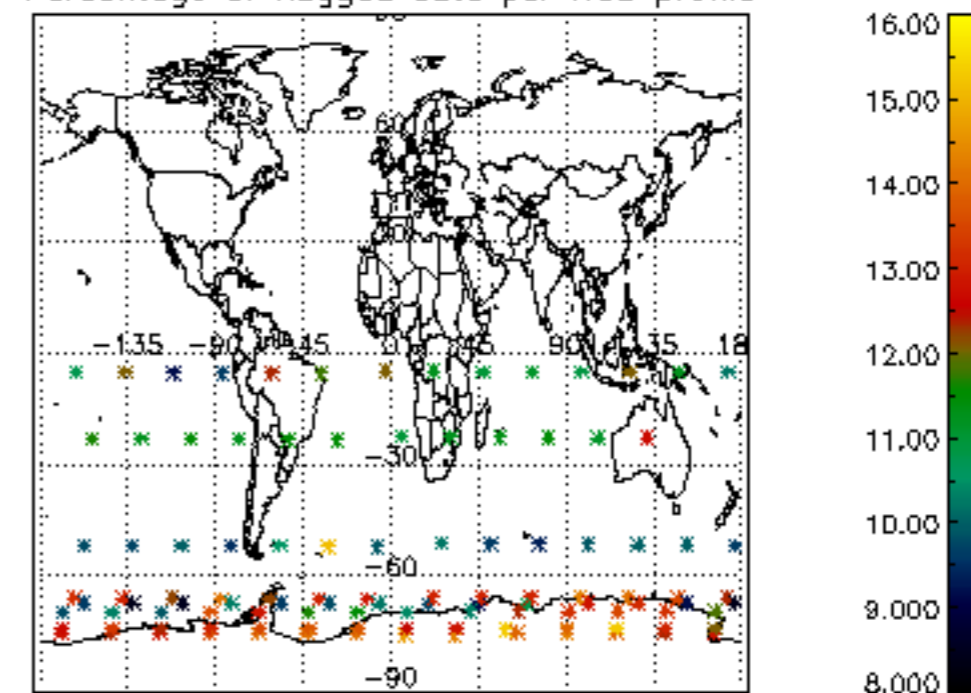
Percentage of flagged data per H2O profile

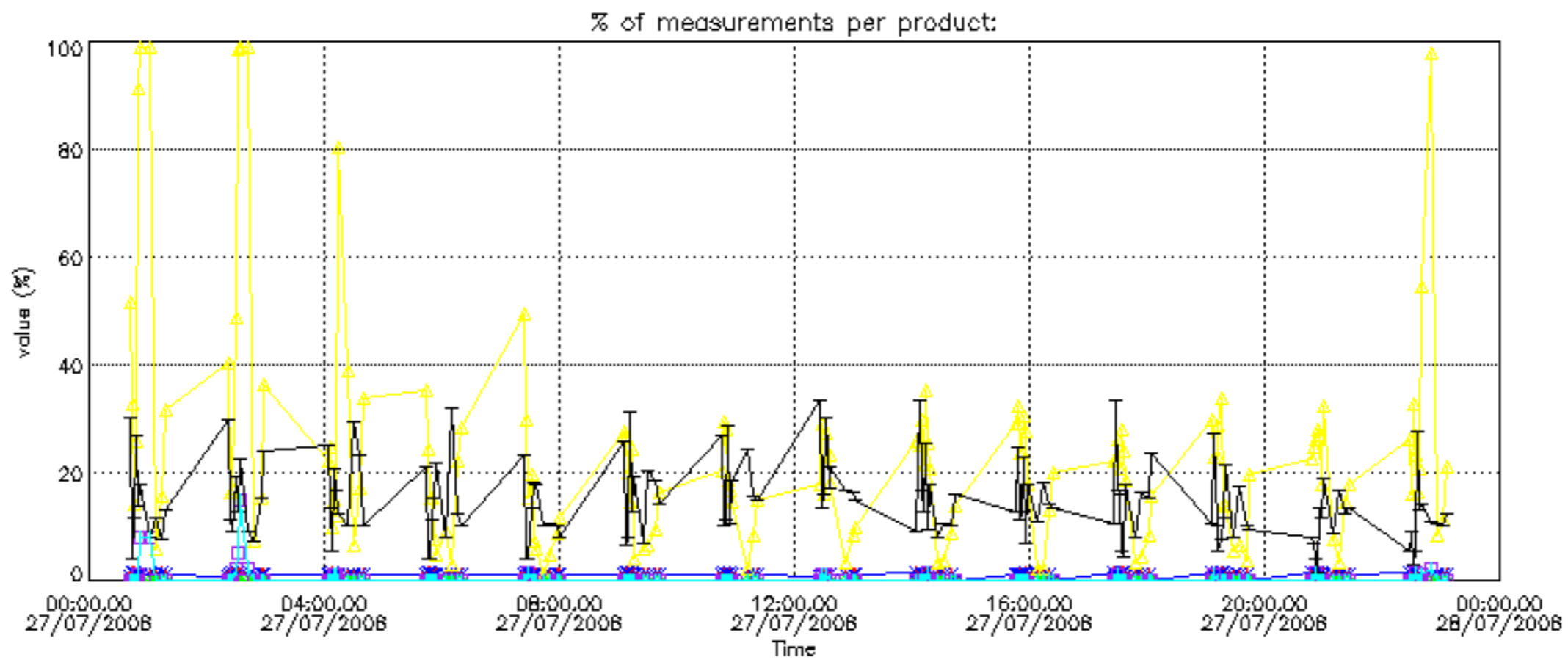


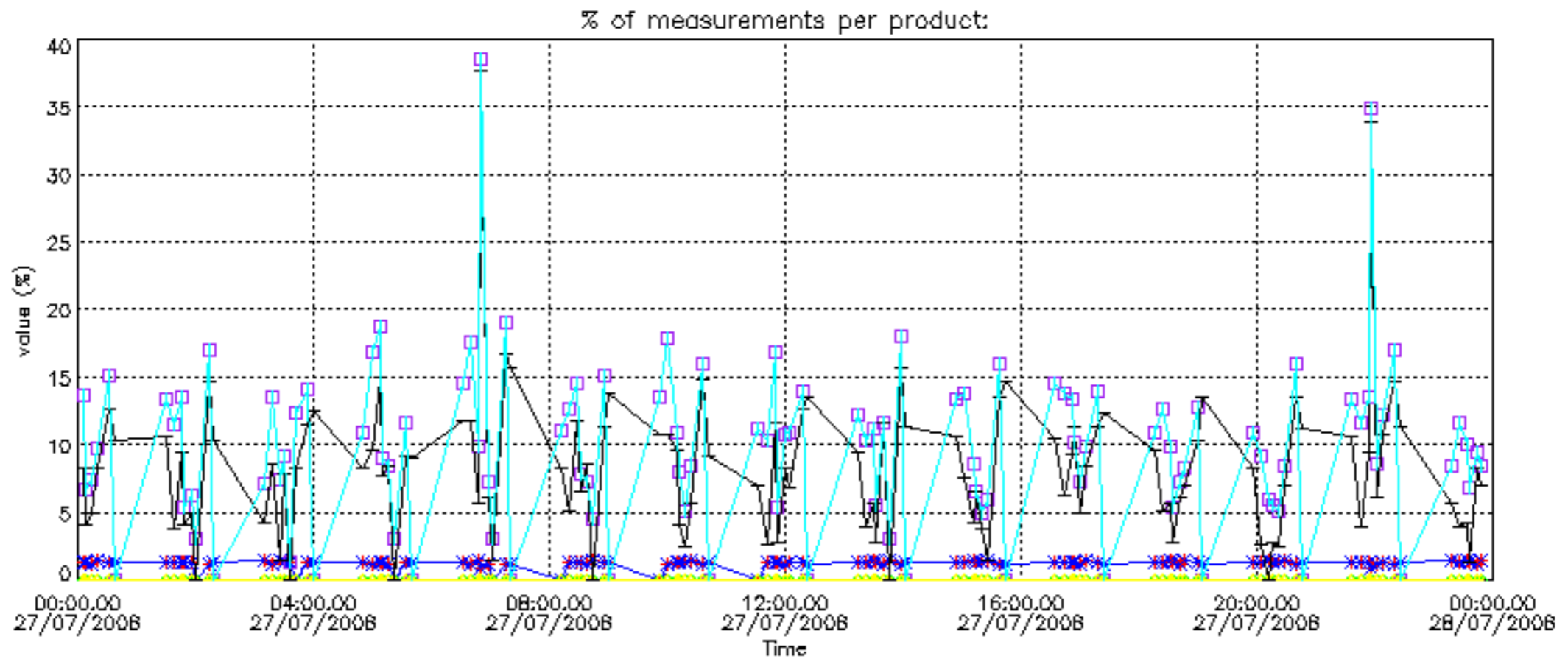
Percentage of flagged data per NO2 profile



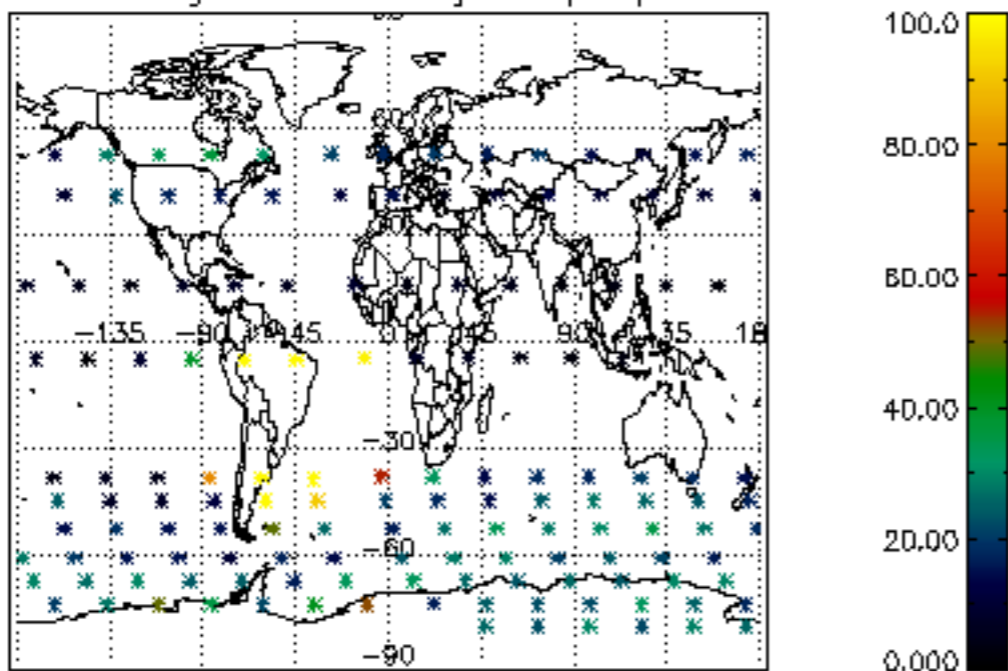
Percentage of flagged data per NO3 profile



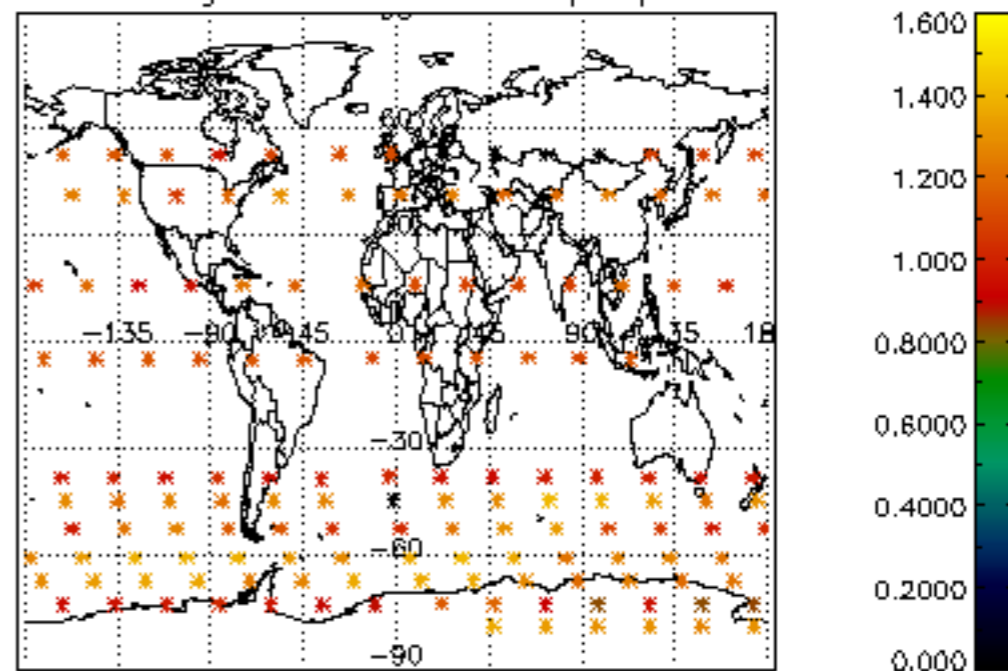




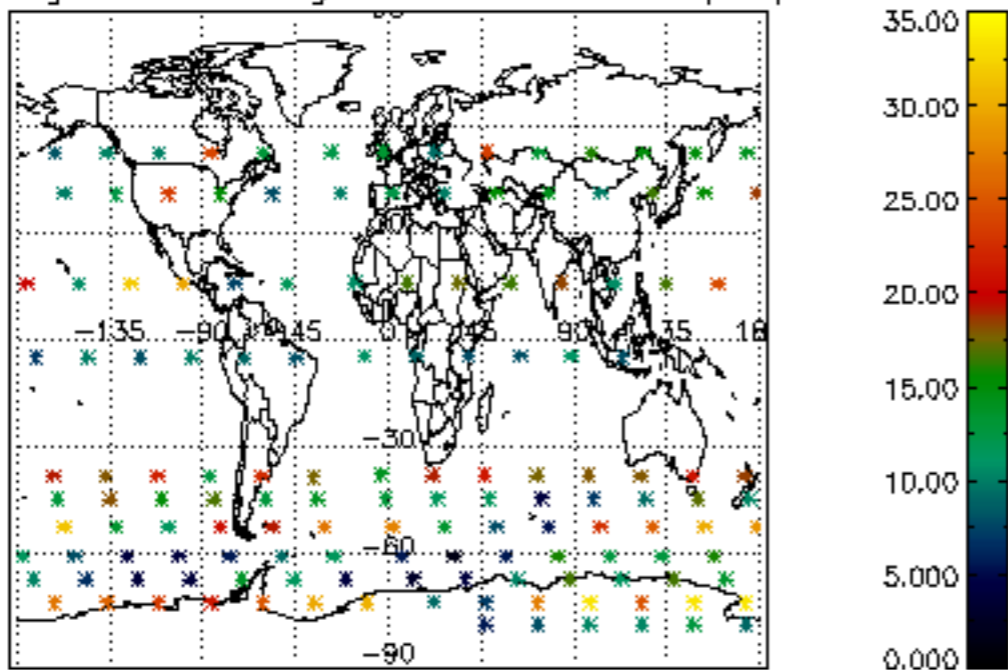
Percentage of cosmic ray hits per profile



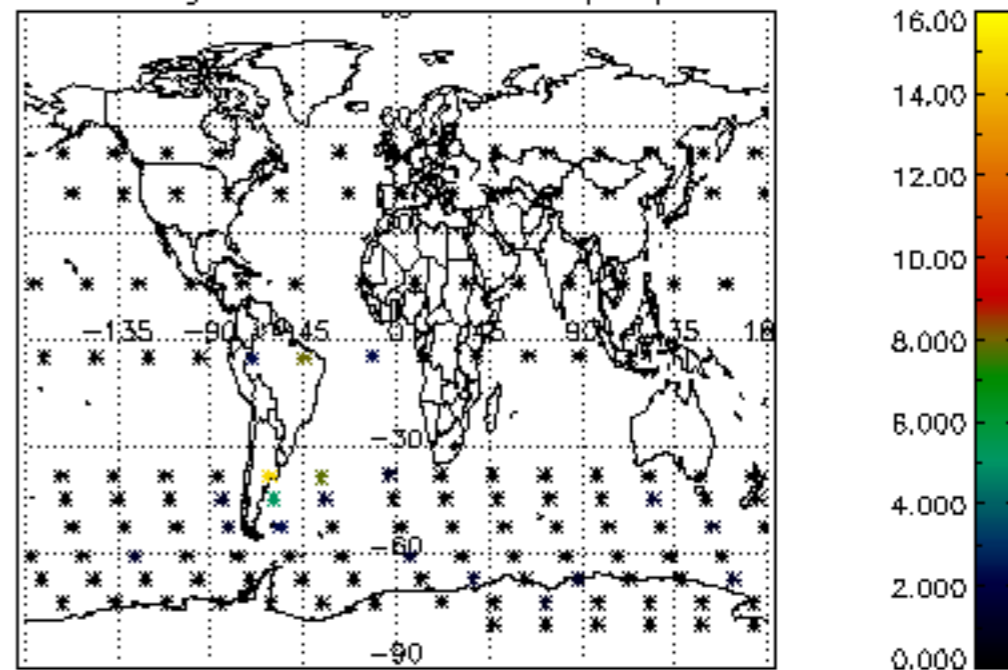
Percentage of datation errors per profile



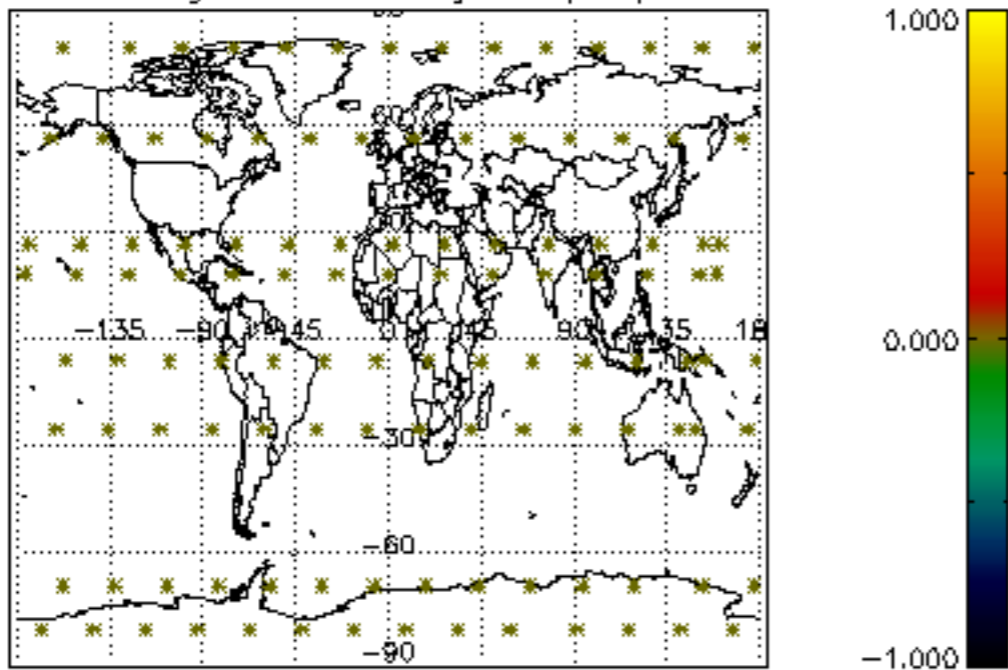
Percentage of star falling outside central band per profile



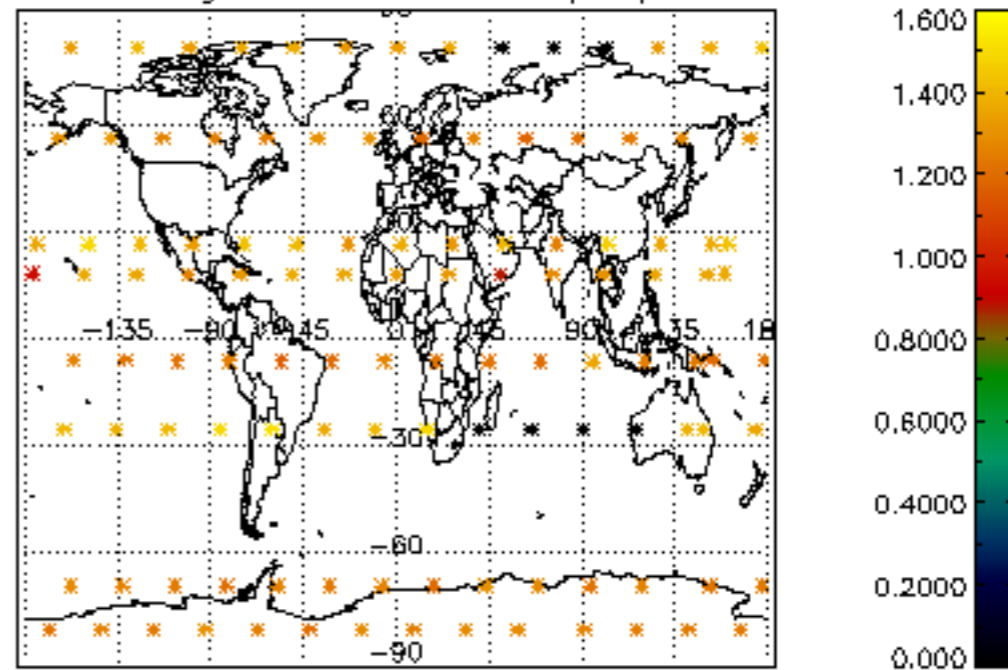
Percentage of saturation errors per profile



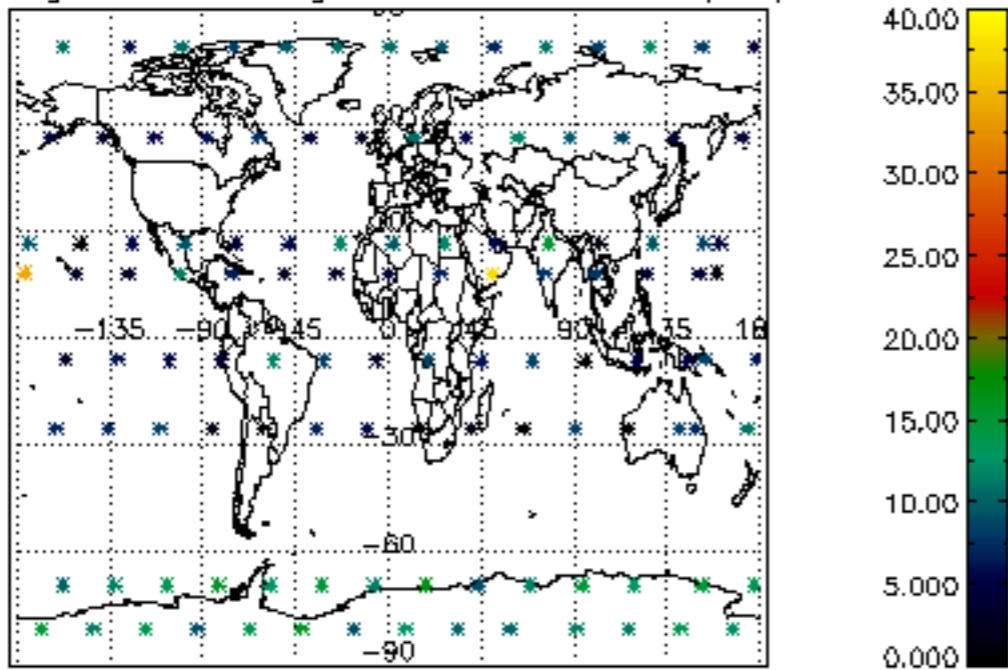
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

