

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 \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

[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	22APR2013 15:50:43
Data source version	GOMOS/6.01
Start time of products	17-02-2006 (17FEB2006 00:00:00)
Stop time of products	18-02-2006 (18FEB2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	322
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

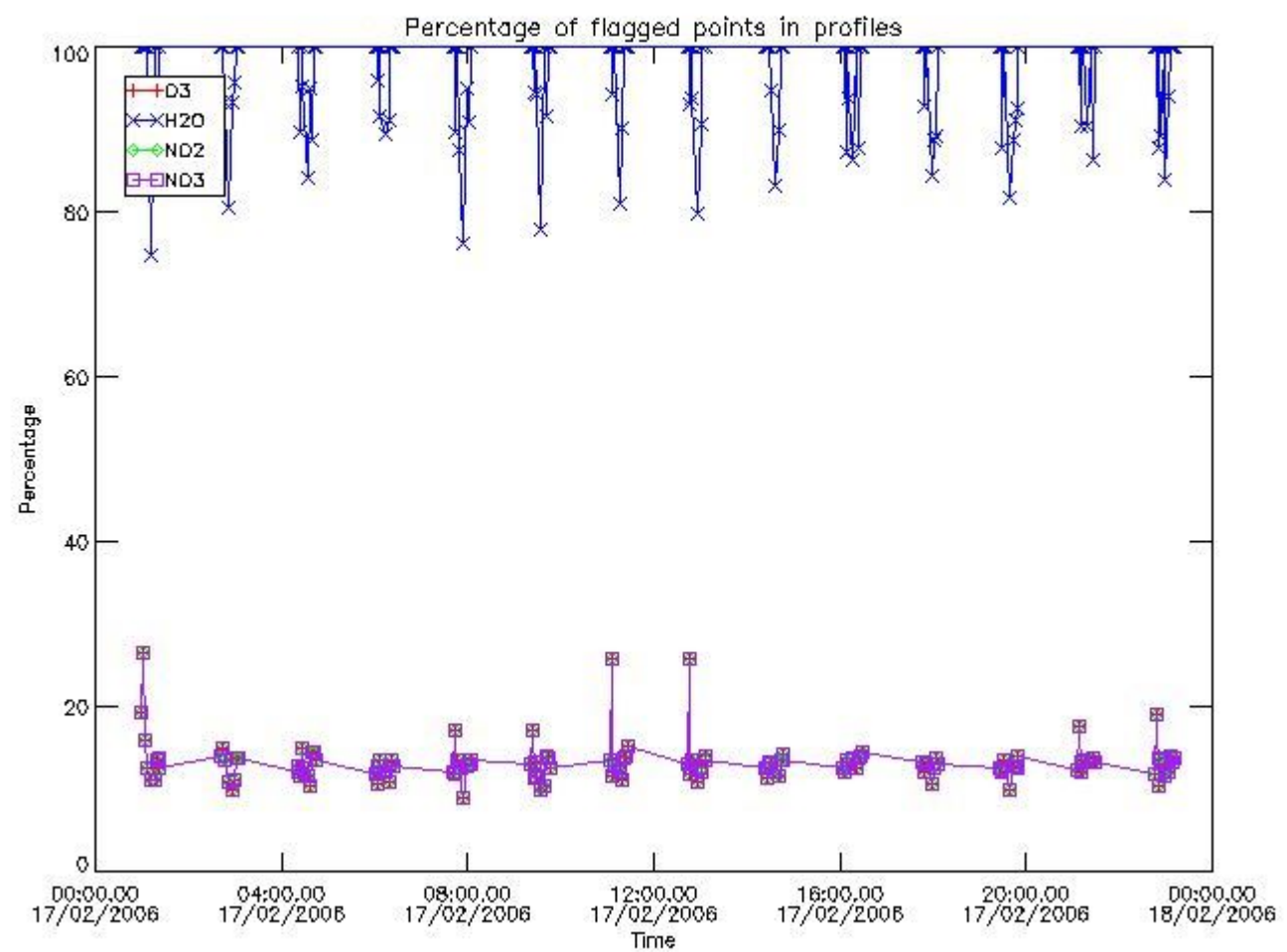
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20060217_000535_000000382045_00145_20740_8767.N1	17-FEB-2006 00:05:35	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	20740	No
2	GOM_NL__2PRFIN20060217_000644_000000362045_00145_20740_8768.N1	17-FEB-2006 00:06:44	Bright	36.000	24	66Alp Gem	1.5800	10200.	72	20740	No
3	GOM_NL__2PRFIN20060217_002255_000000372045_00145_20740_8769.N1	17-FEB-2006 00:22:55	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	20740	No
4	GOM_NL__2PRFIN20060217_002957_000000362045_00145_20740_8770.N1	17-FEB-2006 00:29:57	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	20740	No
5	GOM_NL__2PRFIN20060217_003504_000000372045_00145_20740_8771.N1	17-FEB-2006 00:35:04	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	20740	No
6	GOM_NL__2PRFIN20060217_003641_000000352045_00145_20740_8772.N1	17-FEB-2006 00:36:41	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	20740	No
7	GOM_NL__2PRFIN20060217_004454_000000342045_00145_20740_8773.N1	17-FEB-2006 00:44:54	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	20740	No
8	GOM_NL__2PRFIN20060217_005428_000000402045_00145_20740_8774.N1	17-FEB-2006 00:54:28	Twilight	40.000	155	41Pi Sgr	2.9000	6600.0	80	20740	No
9	GOM_NL__2PRFIN20060217_005608_000000382045_00145_20740_8775.N1	17-FEB-2006 00:56:08	Twilight	37.500	57	34Sig Sgr	2.0660	26000.	75	20740	No
10	GOM_NL__2PRFIN20060217_005856_000000422045_00145_20740_8776.N1	17-FEB-2006 00:58:56	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	20740	No
11	GOM_NL__2PRFIN20060217_010110_000000462045_00145_20740_8777.N1	17-FEB-2006 01:01:10	Dark	46.000	25	35Lam Sco	1.6200	28000.	92	20740	No
12	GOM_NL__2PRFIN20060217_010409_000000392045_00145_20740_8778.N1	17-FEB-2006 01:04:09	Dark	38.500	147	Alp Ara	2.8770	26000.	77	20740	No
13	GOM_NL__2PRFIN20060217_010535_000000412045_00145_20740_8779.N1	17-FEB-2006 01:05:35	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	20740	No
14	GOM_NL__2PRFIN20060217_011148_000000462045_00146_20741_8758.N1	17-FEB-2006 01:11:48	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	20741	No
15	GOM_NL__2PRFIN20060217_011609_000000462045_00146_20741_8759.N1	17-FEB-2006 01:16:09	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	20741	No
16	GOM_NL__2PRFIN20060217_011828_000000382045_00146_20741_8760.N1	17-FEB-2006 01:18:28	Dark	38.000	29	Bet Car	1.6720	10200.	76	20741	No
17	GOM_NL__2PRFIN20060217_012107_000000412045_00146_20741_8761.N1	17-FEB-2006 01:21:07	Dark	41.000	71	lot Car	2.2460	7700.0	82	20741	No
18	GOM_NL__2PRFIN20060217_012244_000000412045_00146_20741_8762.N1	17-FEB-2006 01:22:44	Dark	41.000	46	Del Vel	1.9540	10600.	82	20741	No
19	GOM_NL__2PRFIN20060217_012506_000000382045_00146_20741_8763.N1	17-FEB-2006 01:25:06	Straylight	38.000	34	Gam2Vel	1.7930	23000.	76	20741	No
20	GOM_NL__2PRFIN20060217_012711_000000392045_00146_20741_8764.N1	17-FEB-2006 01:27:11	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20741	No
21	GOM_NL__2PRFIN20060217_013128_000000412045_00146_20741_8765.N1	17-FEB-2006 01:31:28	Straylight	40.500	132	15Rho Pup	2.8030	6900.0	81	20741	No
22	GOM_NL__2PRFIN20060217_013956_000000422045_00146_20741_8766.N1	17-FEB-2006 01:39:56	Bright	41.500	8	10Alp CMi	0.40000	6500.0	83	20741	No
23	GOM_NL__2PRFIN20060217_014611_000000362045_00146_20741_8767.N1	17-FEB-2006 01:46:11	Bright	35.500	17	78Bet Gem	1.1610	4500.0	71	20741	No
24	GOM_NL__2PRFIN20060217_014720_000000382045_00146_20741_8768.N1	17-FEB-2006 01:47:20	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	20741	No
25	GOM_NL__2PRFIN20060217_020331_000000332045_00146_20741_8769.N1	17-FEB-2006 02:03:31	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	20741	No
26	GOM_NL__2PRFIN20060217_021033_000000352045_00146_20741_8770.N1	17-FEB-2006 02:10:33	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	20741	No
27	GOM_NL__2PRFIN20060217_021540_000000372045_00146_20741_8771.N1	17-FEB-2006 02:15:40	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	20741	No
28	GOM_NL__2PRFIN20060217_021716_000000362045_00146_20741_8772.N1	17-FEB-2006 02:17:16	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	20741	No
29	GOM_NL__2PRFIN20060217_022530_000000352045_00146_20741_8773.N1	17-FEB-2006 02:25:30	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	20741	No
30	GOM_NL__2PRFIN20060217_023504_000000412045_00146_20741_8774.N1	17-FEB-2006 02:35:04	Twilight	40.500	155	41Pi Sgr	2.9000	6600.0	81	20741	No
31	GOM_NL__2PRFIN20060217_023644_000000402045_00146_20741_8775.N1	17-FEB-2006 02:36:44	Twilight	40.000	57	34Sig Sgr	2.0660	26000.	80	20741	No
32	GOM_NL__2PRFIN20060217_024146_000000442045_00146_20741_8776.N1	17-FEB-2006 02:41:46	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	20741	No
33	GOM_NL__2PRFIN20060217_024445_000000382045_00146_20741_8777.N1	17-FEB-2006 02:44:45	Dark	37.500	147	Alp Ara	2.8770	26000.	75	20741	No
34	GOM_NL__2PRFIN20060217_024611_000000382045_00146_20741_8778.N1	17-FEB-2006 02:46:11	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	20741	No
35	GOM_NL__2PRFIN20060217_025225_000000472045_00147_20742_8758.N1	17-FEB-2006 02:52:25	Dark	46.500	4	Alp1Cen	-0.010000	5800.0	93	20742	No
36	GOM_NL__2PRFIN20060217_025645_000000522045_00147_20742_8759.N1	17-FEB-2006 02:56:45	Dark	51.500	12	Alp1Cru	0.77500	30000.	103	20742	No
37	GOM_NL__2PRFIN20060217_025904_000000462045_00147_20742_8760.N1	17-FEB-2006 02:59:04	Dark	46.000	29	Bet Car	1.6720	10200.	92	20742	No
38	GOM_NL__2PRFIN20060217_030143_000000372045_00147_20742_8761.N1	17-FEB-2006 03:01:43	Dark	37.000	71	lot Car	2.2460	7700.0	74	20742	No
39	GOM_NL__2PRFIN20060217_030320_000000372045_00147_20742_8762.N1	17-FEB-2006 03:03:20	Dark	37.000	46	Del Vel	1.9540	10600.	74	20742	No
40	GOM_NL__2PRFIN20060217_030542_000000392045_00147_20742_8763.N1	17-FEB-2006 03:05:42	Straylight	38.500	34	Gam2Vel	1.7930	23000.	77	20742	No
41	GOM_NL__2PRFIN20060217_030747_000000392045_00147_20742_8764.N1	17-FEB-2006 03:07:47	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20742	No
42	GOM_NL__2PRFIN20060217_031205_000000392045_00147_20742_8765.N1	17-FEB-2006 03:12:05	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	20742	No

279	GOM_NL__2PRFIN20060217_210142_000000412045_00157_20752_8793.N1	17-FEB-2006 21:01:42	Twilight	41.000	155	41Pi Sgr	2.9000	6600.0	82	20752	No
280	GOM_NL__2PRFIN20060217_210323_000000402045_00157_20752_8794.N1	17-FEB-2006 21:03:23	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	20752	No
281	GOM_NL__2PRFIN20060217_210612_000000422045_00157_20752_8795.N1	17-FEB-2006 21:06:12	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	20752	No
282	GOM_NL__2PRFIN20060217_210828_000000322045_00157_20752_8796.N1	17-FEB-2006 21:08:28	Dark	32.000	25	35Lam Sco	1.6200	28000.	64	20752	No
283	GOM_NL__2PRFIN20060217_210942_000000422045_00157_20752_8797.N1	17-FEB-2006 21:09:42	Dark	42.000	40	The Sco	1.8590	7100.0	84	20752	No
284	GOM_NL__2PRFIN20060217_211126_000000392045_00157_20752_8798.N1	17-FEB-2006 21:11:26	Dark	38.500	147	Alp Ara	2.8770	26000.	77	20752	No
285	GOM_NL__2PRFIN20060217_211251_000000382045_00157_20752_8799.N1	17-FEB-2006 21:12:51	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	20752	No
286	GOM_NL__2PRFIN20060217_211907_000000422045_00158_20753_8778.N1	17-FEB-2006 21:19:07	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	20753	No
287	GOM_NL__2PRFIN20060217_212326_000000392045_00158_20753_8779.N1	17-FEB-2006 21:23:26	Dark	38.500	12	Alp1Cru	0.77500	30000.	77	20753	No
288	GOM_NL__2PRFIN20060217_212541_000000372045_00158_20753_8780.N1	17-FEB-2006 21:25:41	Dark	37.000	29	Bet Car	1.6720	10200.	74	20753	No
289	GOM_NL__2PRFIN20060217_212821_000000392045_00158_20753_8781.N1	17-FEB-2006 21:28:21	Dark	38.500	71	lot Car	2.2460	7700.0	77	20753	No
290	GOM_NL__2PRFIN20060217_212957_000000392045_00158_20753_8782.N1	17-FEB-2006 21:29:57	Dark	38.500	46	Del Vel	1.9540	10600.	77	20753	No
291	GOM_NL__2PRFIN20060217_213242_000000462045_00158_20753_8783.N1	17-FEB-2006 21:32:42	Straylight	46.000	65	Lam Vel	2.2040	4400.0	92	20753	No
292	GOM_NL__2PRFIN20060217_213424_000000382045_00158_20753_8784.N1	17-FEB-2006 21:34:24	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	20753	No
293	GOM_NL__2PRFIN20060217_213842_000000402045_00158_20753_8785.N1	17-FEB-2006 21:38:42	Straylight	40.000	132	15Rho Pup	2.8030	6900.0	80	20753	No
294	GOM_NL__2PRFIN20060217_214709_000000392045_00158_20753_8786.N1	17-FEB-2006 21:47:09	Bright	39.000	8	10Alp CMi	0.40000	6500.0	78	20753	No
295	GOM_NL__2PRFIN20060217_215323_000000372045_00158_20753_8787.N1	17-FEB-2006 21:53:23	Bright	36.500	17	78Bet Gem	1.1610	4500.0	73	20753	No
296	GOM_NL__2PRFIN20060217_215433_000000362045_00158_20753_8788.N1	17-FEB-2006 21:54:33	Bright	35.500	24	66Alp Gem	1.5800	10200.	71	20753	No
297	GOM_NL__2PRFIN20060217_221043_000000362045_00158_20753_8789.N1	17-FEB-2006 22:10:43	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20753	No
298	GOM_NL__2PRFIN20060217_221747_000000352045_00158_20753_8790.N1	17-FEB-2006 22:17:47	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	20753	No
299	GOM_NL__2PRFIN20060217_222254_000000342045_00158_20753_8791.N1	17-FEB-2006 22:22:54	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	20753	No
300	GOM_NL__2PRFIN20060217_222430_000000342045_00158_20753_8792.N1	17-FEB-2006 22:24:30	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	20753	No
301	GOM_NL__2PRFIN20060217_223244_000000352045_00158_20753_8793.N1	17-FEB-2006 22:32:44	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	20753	No
302	GOM_NL__2PRFIN20060217_224218_000000412045_00158_20753_8794.N1	17-FEB-2006 22:42:18	Twilight	40.500	155	41Pi Sgr	2.9000	6600.0	81	20753	No
303	GOM_NL__2PRFIN20060217_224359_000000432045_00158_20753_8795.N1	17-FEB-2006 22:43:59	Twilight	43.000	57	34Sig Sgr	2.0660	26000.	86	20753	No
304	GOM_NL__2PRFIN20060217_224649_000000432045_00158_20753_8796.N1	17-FEB-2006 22:46:49	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	20753	No
305	GOM_NL__2PRFIN20060217_224905_000000322045_00158_20753_8797.N1	17-FEB-2006 22:49:05	Dark	32.000	25	35Lam Sco	1.6200	28000.	64	20753	No
306	GOM_NL__2PRFIN20060217_225019_000000502045_00158_20753_8798.N1	17-FEB-2006 22:50:19	Dark	49.500	40	The Sco	1.8590	7100.0	99	20753	No
307	GOM_NL__2PRFIN20060217_225202_000000372045_00158_20753_8799.N1	17-FEB-2006 22:52:02	Dark	37.000	147	Alp Ara	2.8770	26000.	74	20753	No
308	GOM_NL__2PRFIN20060217_225327_000000382045_00158_20753_8800.N1	17-FEB-2006 22:53:27	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	20753	No
309	GOM_NL__2PRFIN20060217_225724_000000372045_00159_20754_8798.N1	17-FEB-2006 22:57:24	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	20754	No
310	GOM_NL__2PRFIN20060217_225943_000000442045_00159_20754_8799.N1	17-FEB-2006 22:59:43	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	20754	No
311	GOM_NL__2PRFIN20060217_230402_000000422045_00159_20754_8800.N1	17-FEB-2006 23:04:02	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	20754	No
312	GOM_NL__2PRFIN20060217_230617_000000372045_00159_20754_8801.N1	17-FEB-2006 23:06:17	Dark	36.500	29	Bet Car	1.6720	10200.	73	20754	No
313	GOM_NL__2PRFIN20060217_230857_000000392045_00159_20754_8802.N1	17-FEB-2006 23:08:57	Dark	38.500	71	lot Car	2.2460	7700.0	77	20754	No
314	GOM_NL__2PRFIN20060217_231033_000000372045_00159_20754_8803.N1	17-FEB-2006 23:10:33	Dark	37.000	46	Del Vel	1.9540	10600.	74	20754	No
315	GOM_NL__2PRFIN20060217_231318_000000452045_00159_20754_8804.N1	17-FEB-2006 23:13:18	Straylight	45.000	65	Lam Vel	2.2040	4400.0	90	20754	No
316	GOM_NL__2PRFIN20060217_231500_000000392045_00159_20754_8805.N1	17-FEB-2006 23:15:00	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20754	No
317	GOM_NL__2PRFIN20060217_231918_000000392045_00159_20754_8806.N1	17-FEB-2006 23:19:18	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	20754	No
318	GOM_NL__2PRFIN20060217_232745_000000442045_00159_20754_8807.N1	17-FEB-2006 23:27:45	Bright	44.000	8	10Alp CMi	0.40000	6500.0	88	20754	No
319	GOM_NL__2PRFIN20060217_233359_000000392045_00159_20754_8808.N1	17-FEB-2006 23:33:59	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	20754	No
320	GOM_NL__2PRFIN20060217_233508_000000362045_00159_20754_8809.N1	17-FEB-2006 23:35:08	Bright	35.500	24	66Alp Gem	1.5800	10200.	71	20754	No
321	GOM_NL__2PRFIN20060217_235119_000000322045_00159_20754_8810.N1	17-FEB-2006 23:51:19	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	20754	No
322	GOM_NL__2PRFIN20060217_235823_000000362045_00159_20754_8811.N1	17-FEB-2006 23:58:23	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	20754	No

3. Quality information per product

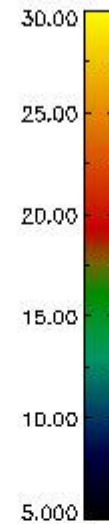
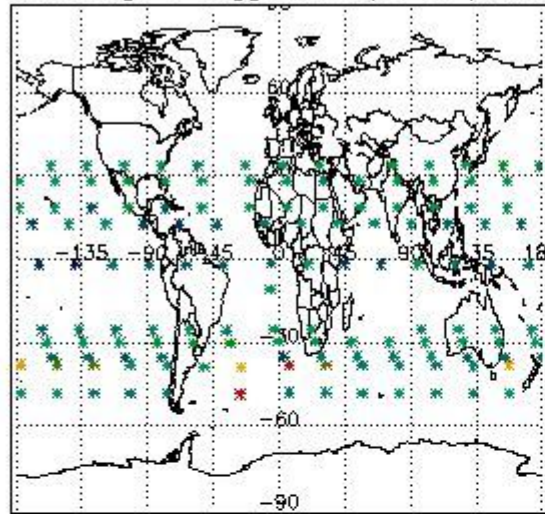
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

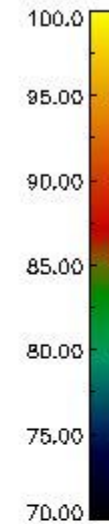
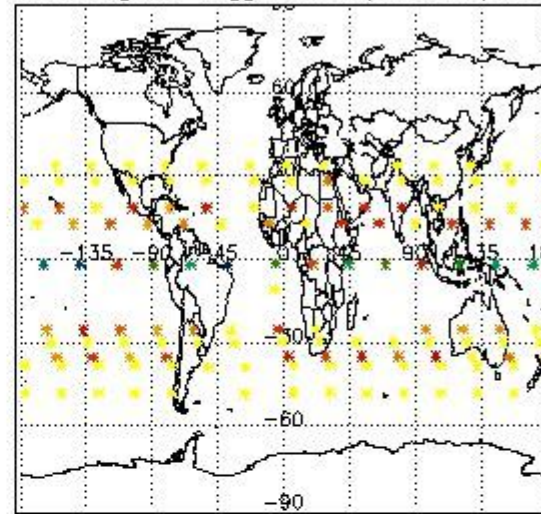


3.2 Plot quality information per product (world map)

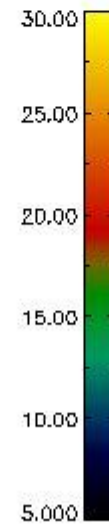
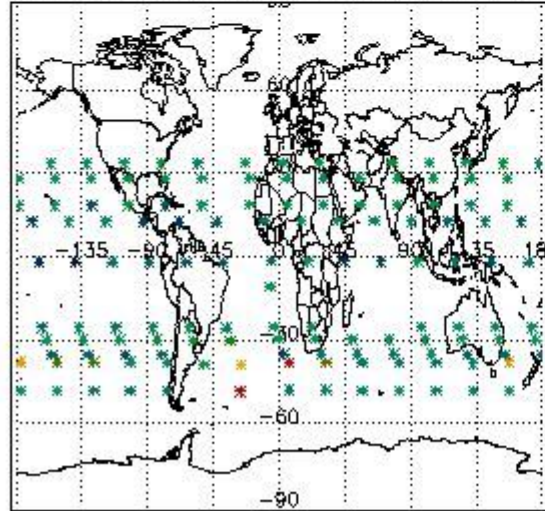
Percentage of flagged data per O3 profile



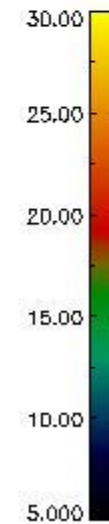
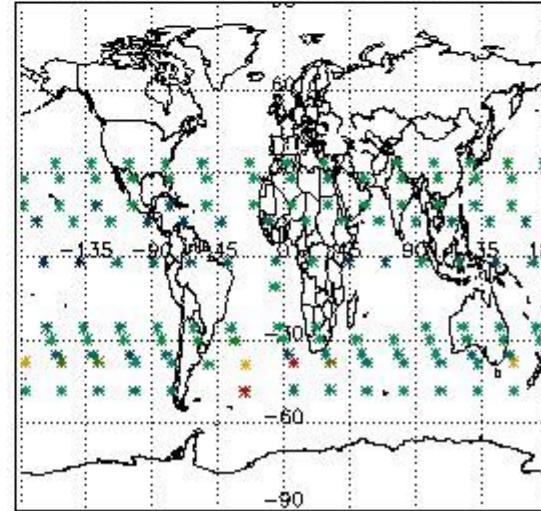
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

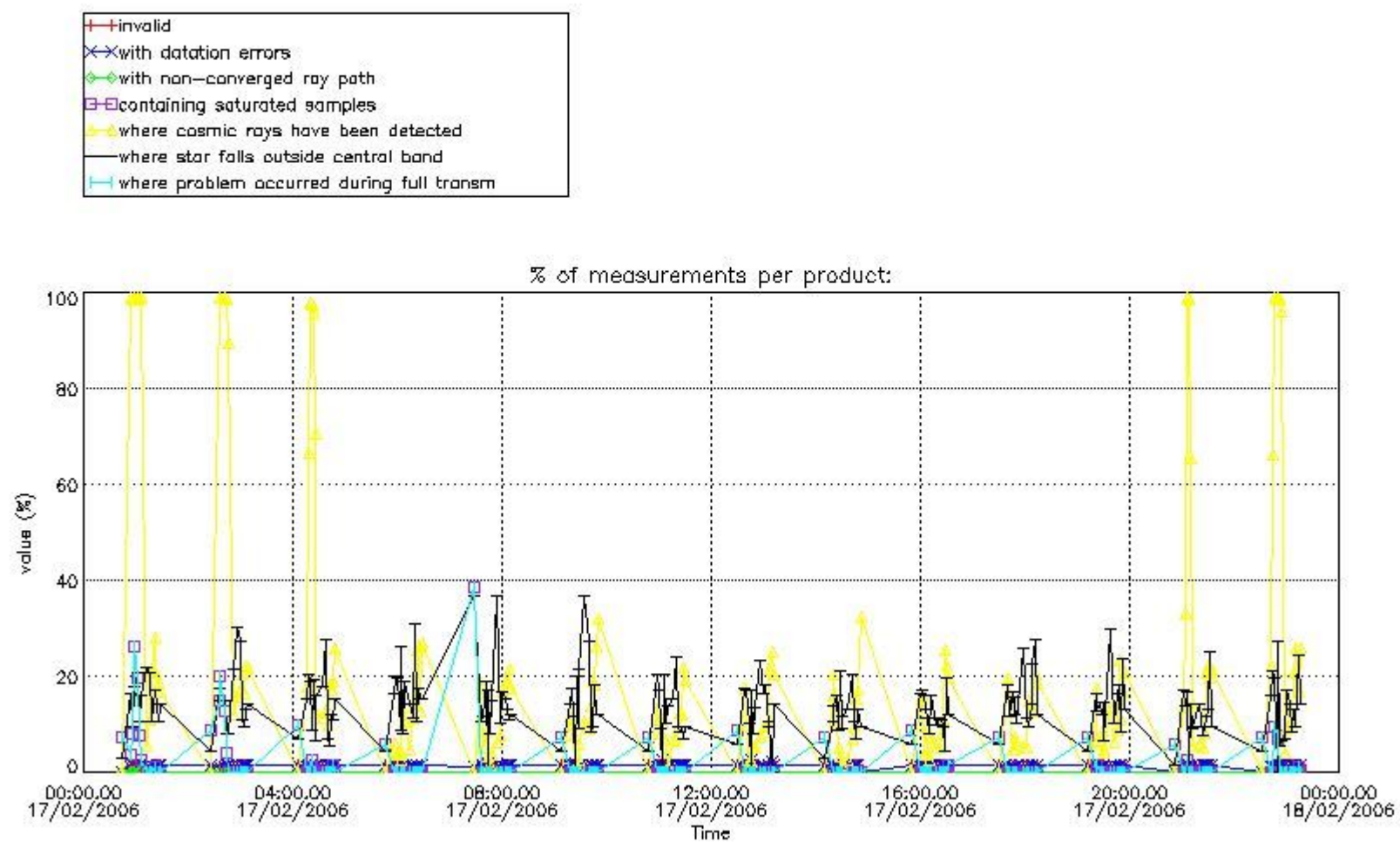


4. Level 1 quality information per product

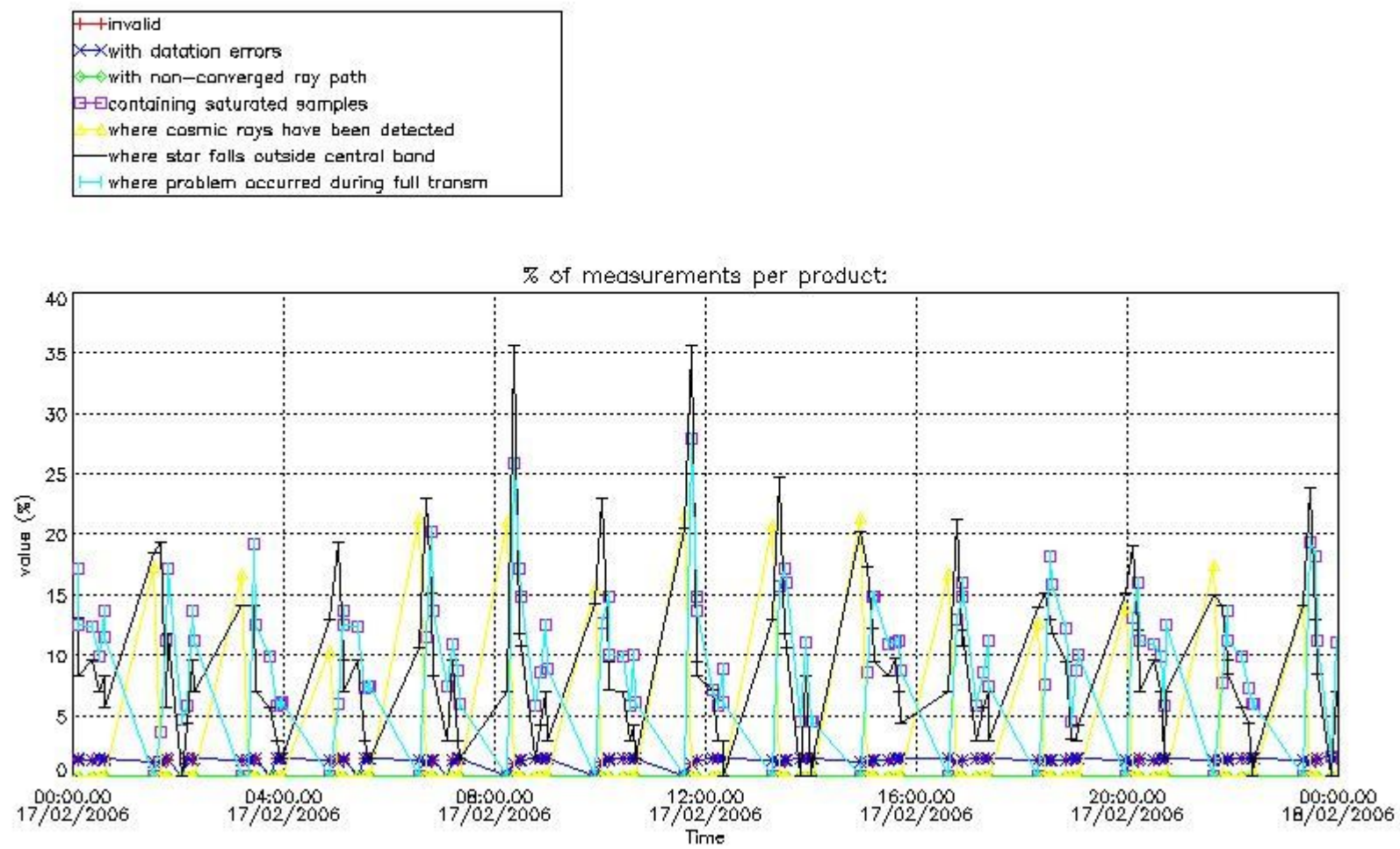
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



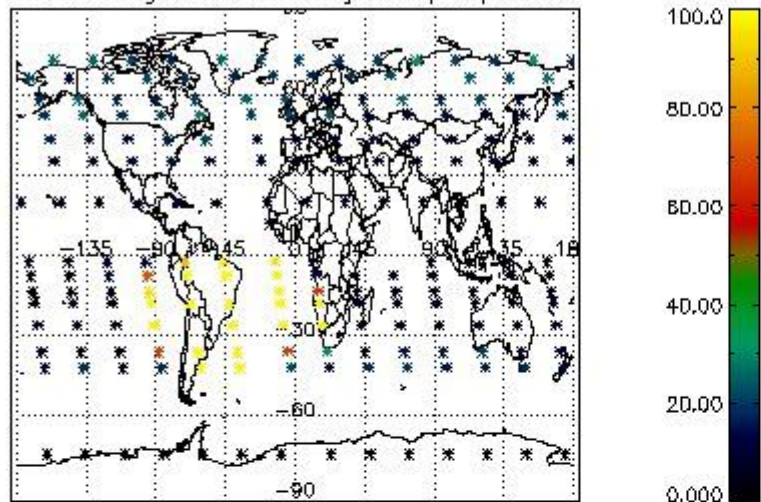
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



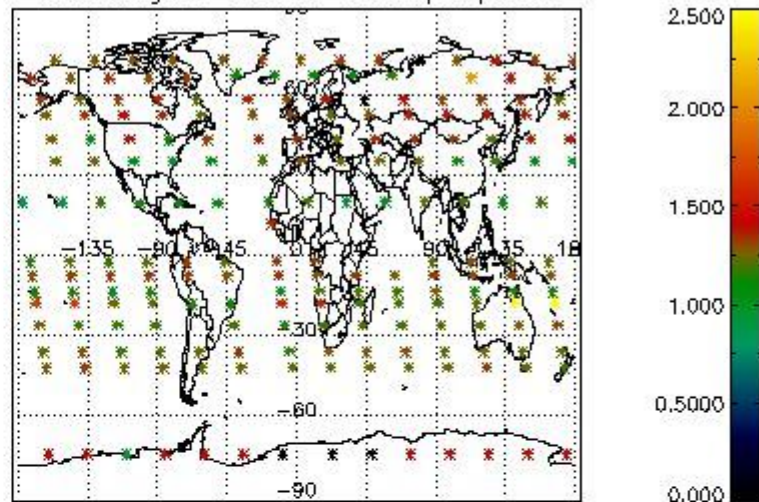
4.2 Plot quality information per product coming from level 1b processing (world map)

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

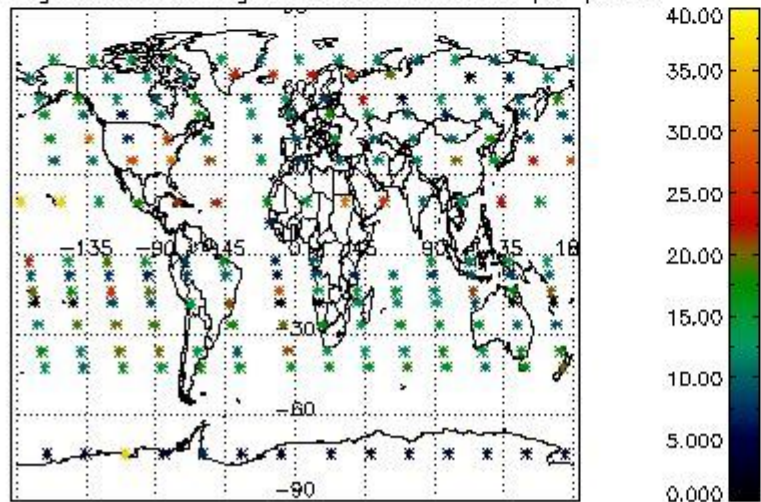
Percentage of cosmic ray hits per profile



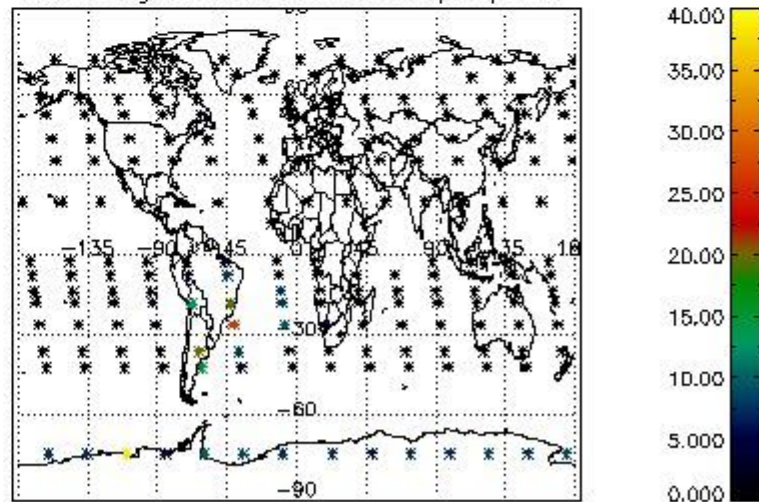
Percentage of datation errors per profile



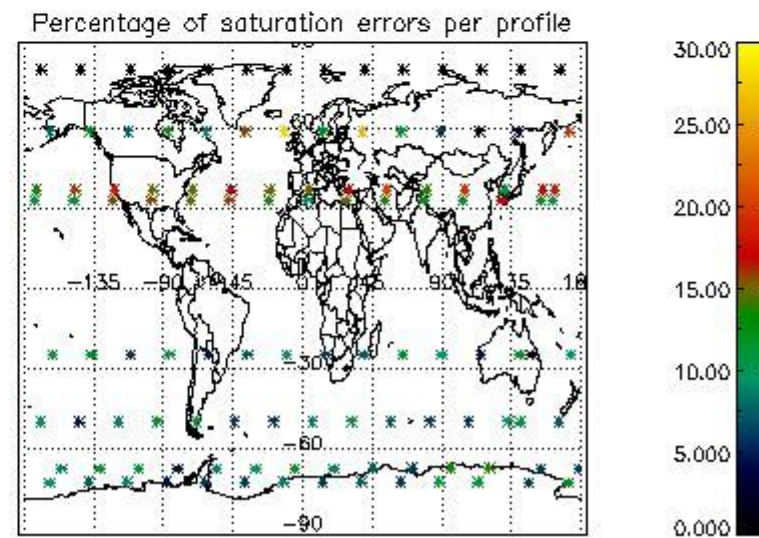
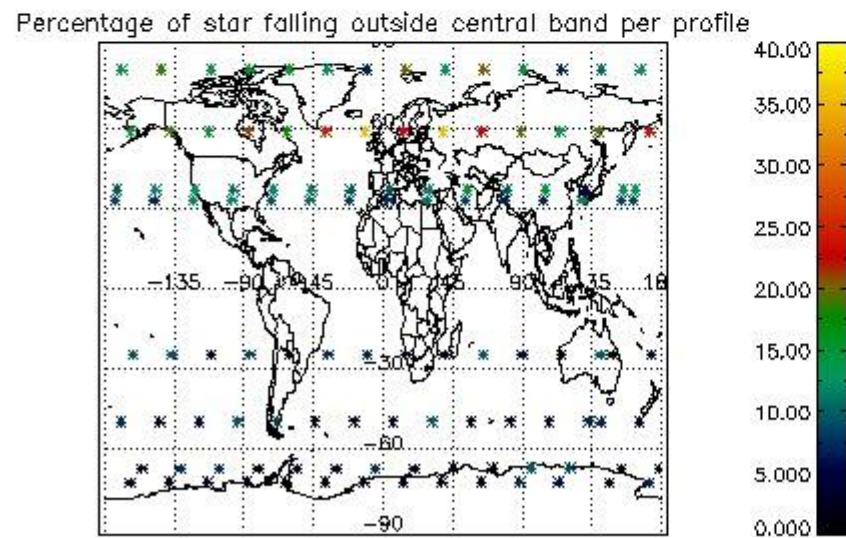
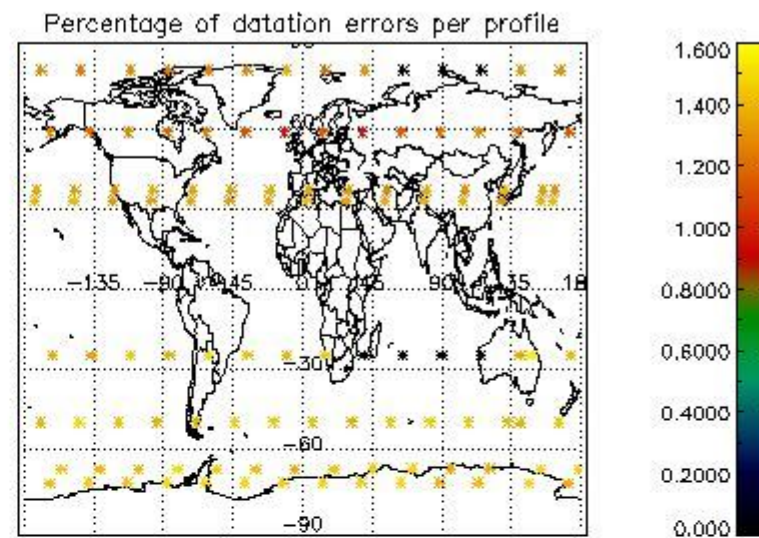
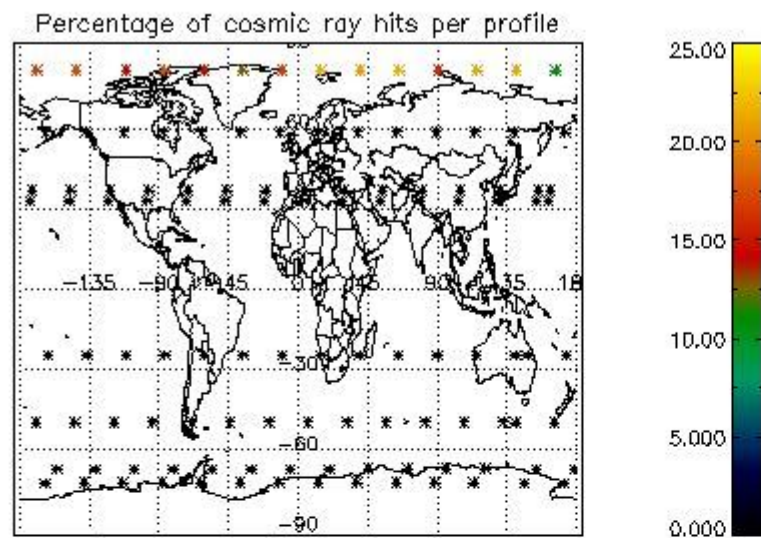
Percentage of star falling outside central band per profile



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

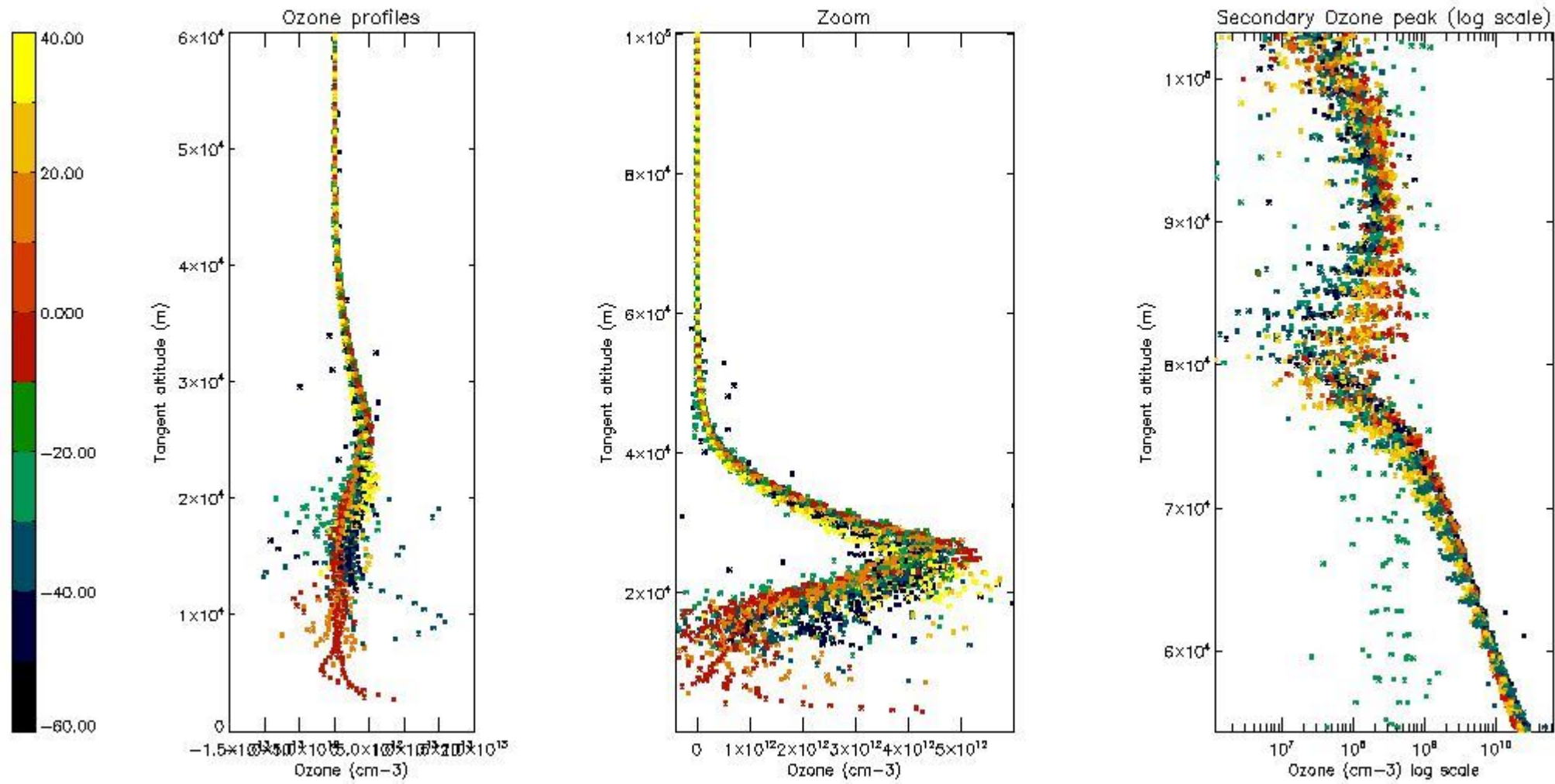
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	45
STD < 20	26

STD < 10	21
STD < 5	14

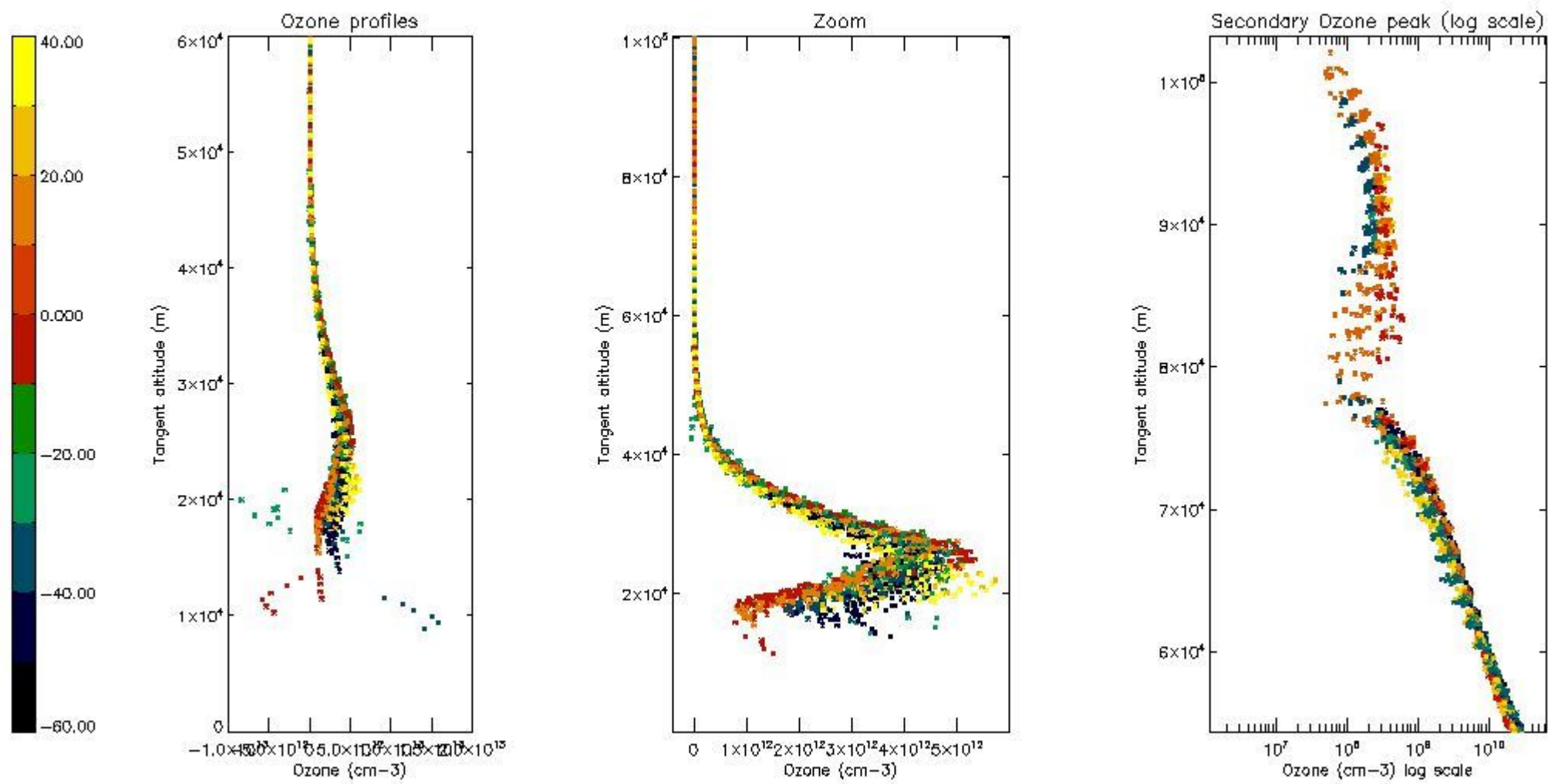
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



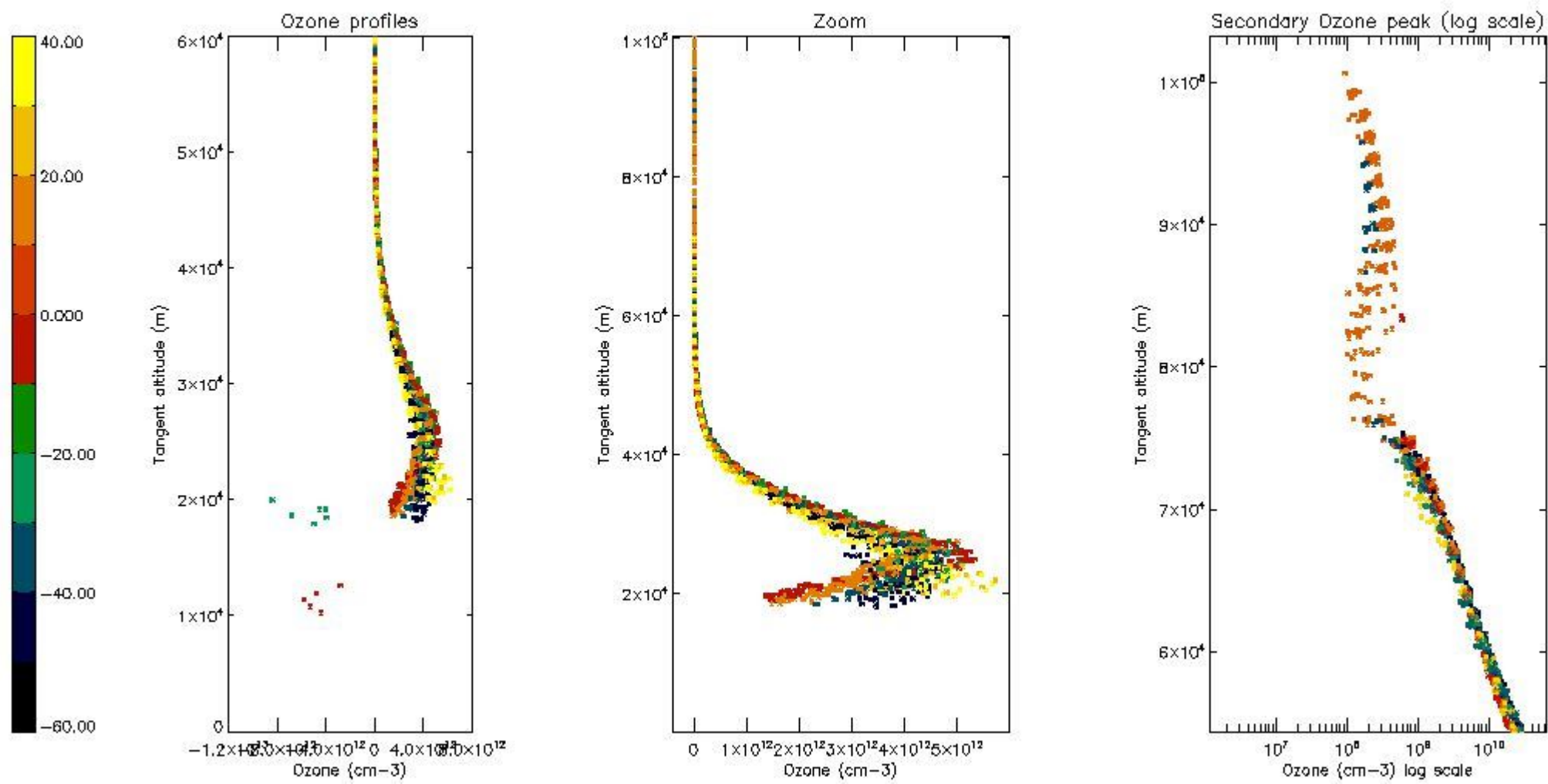
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



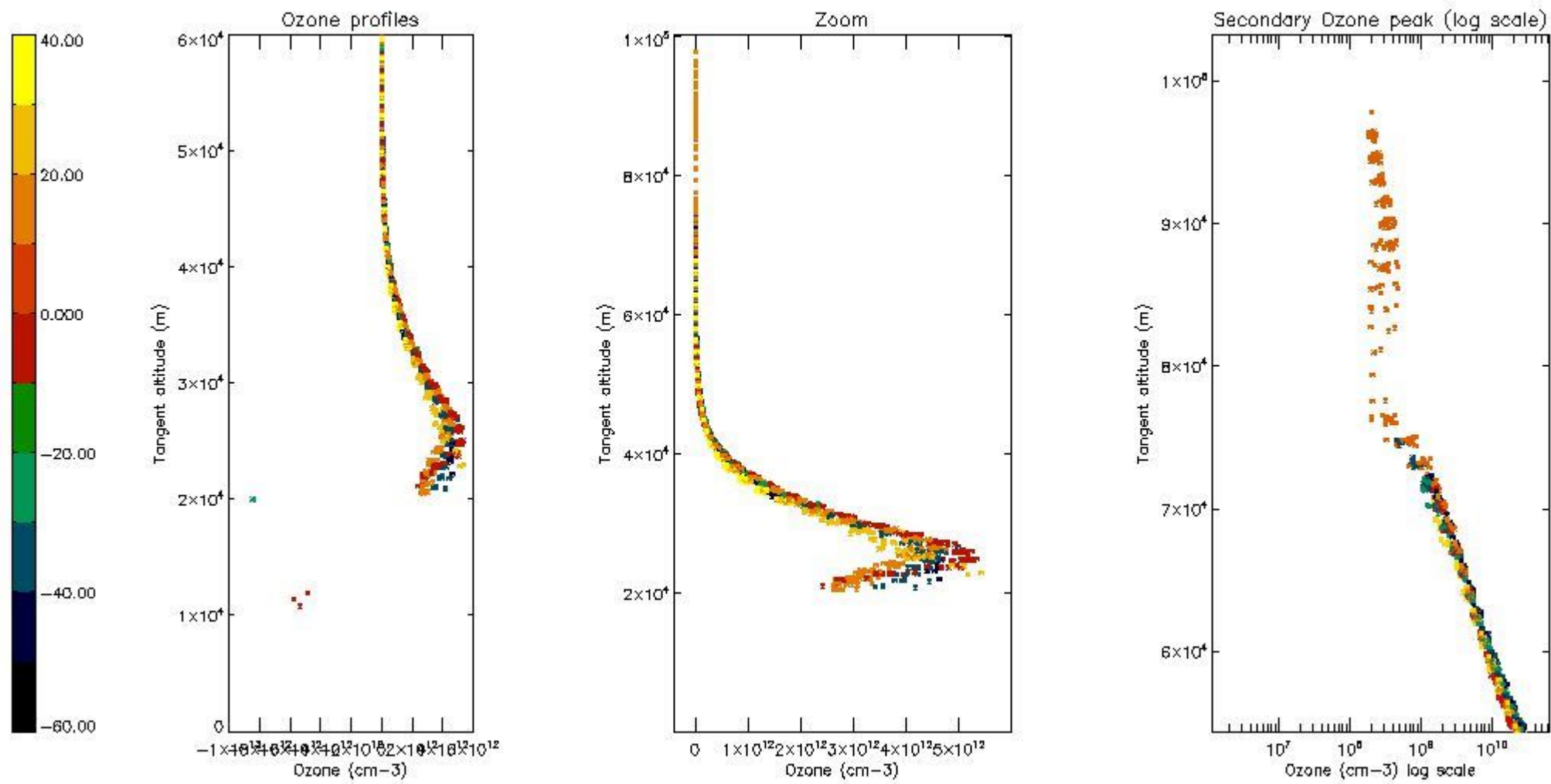
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



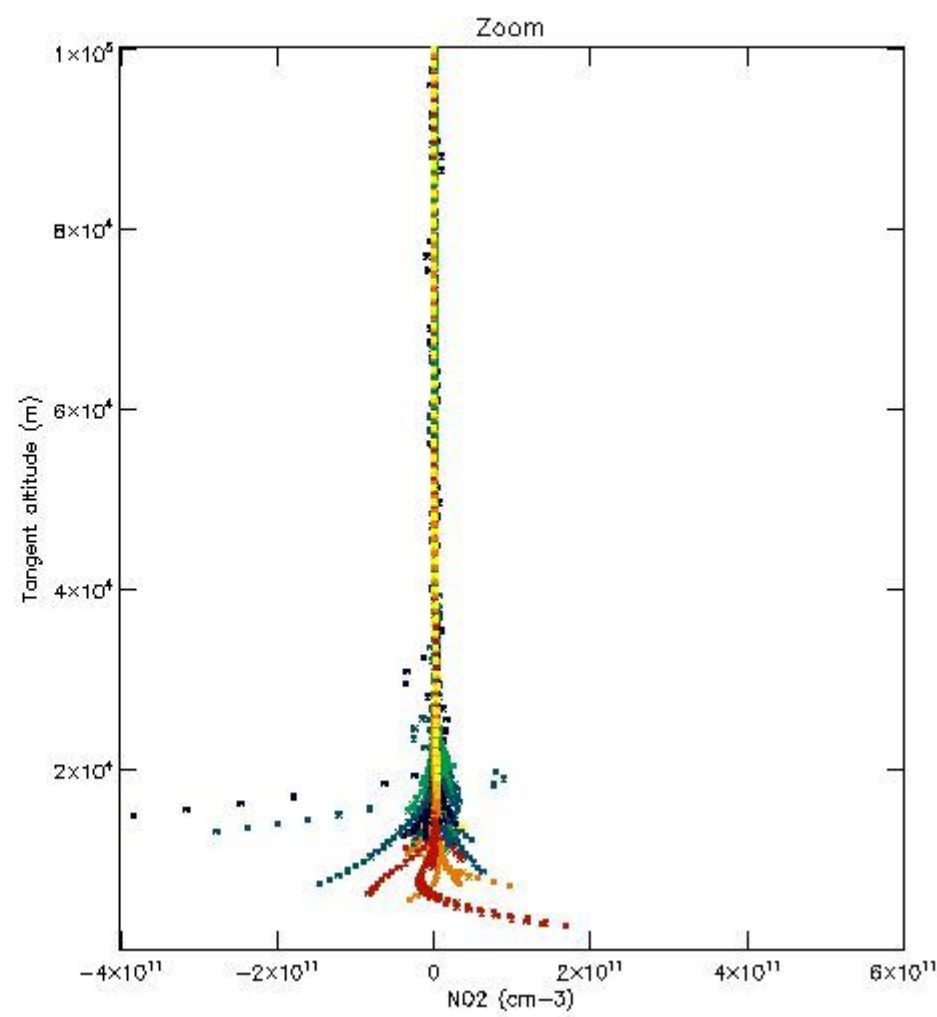
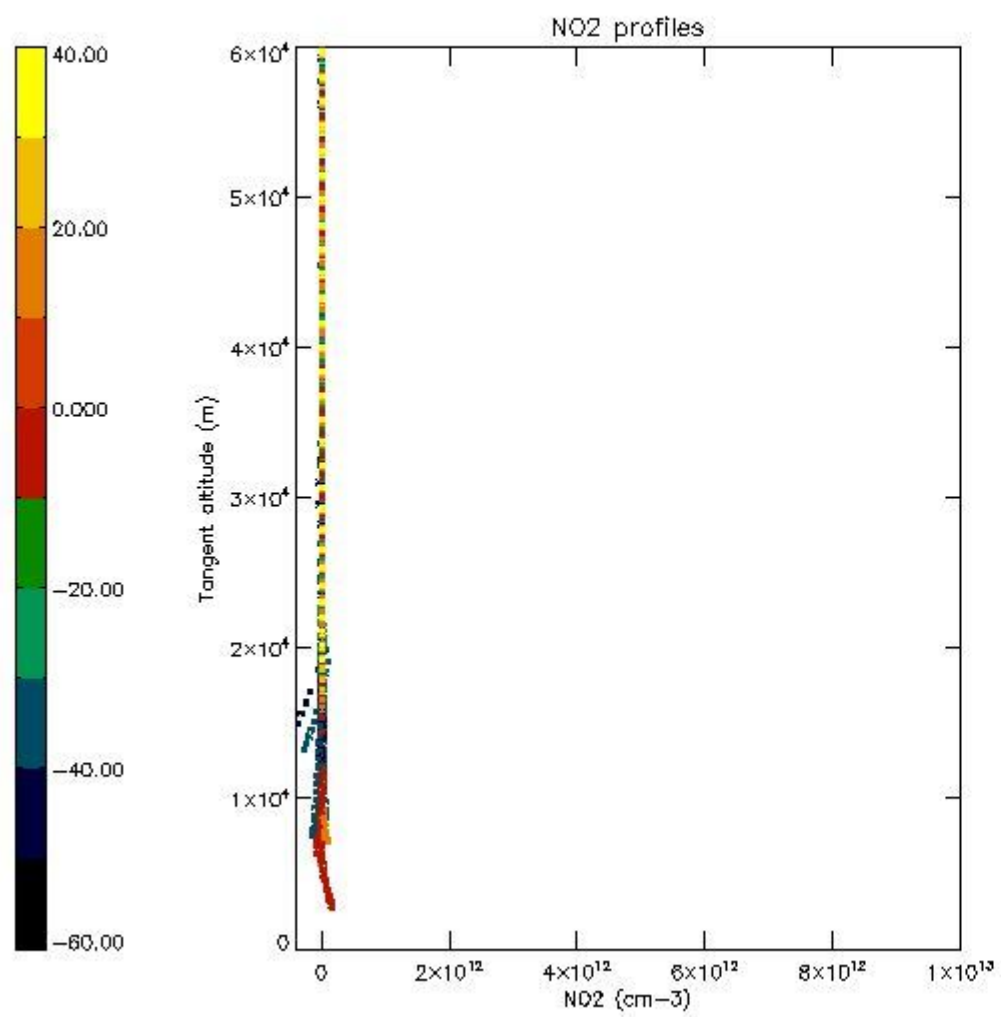
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



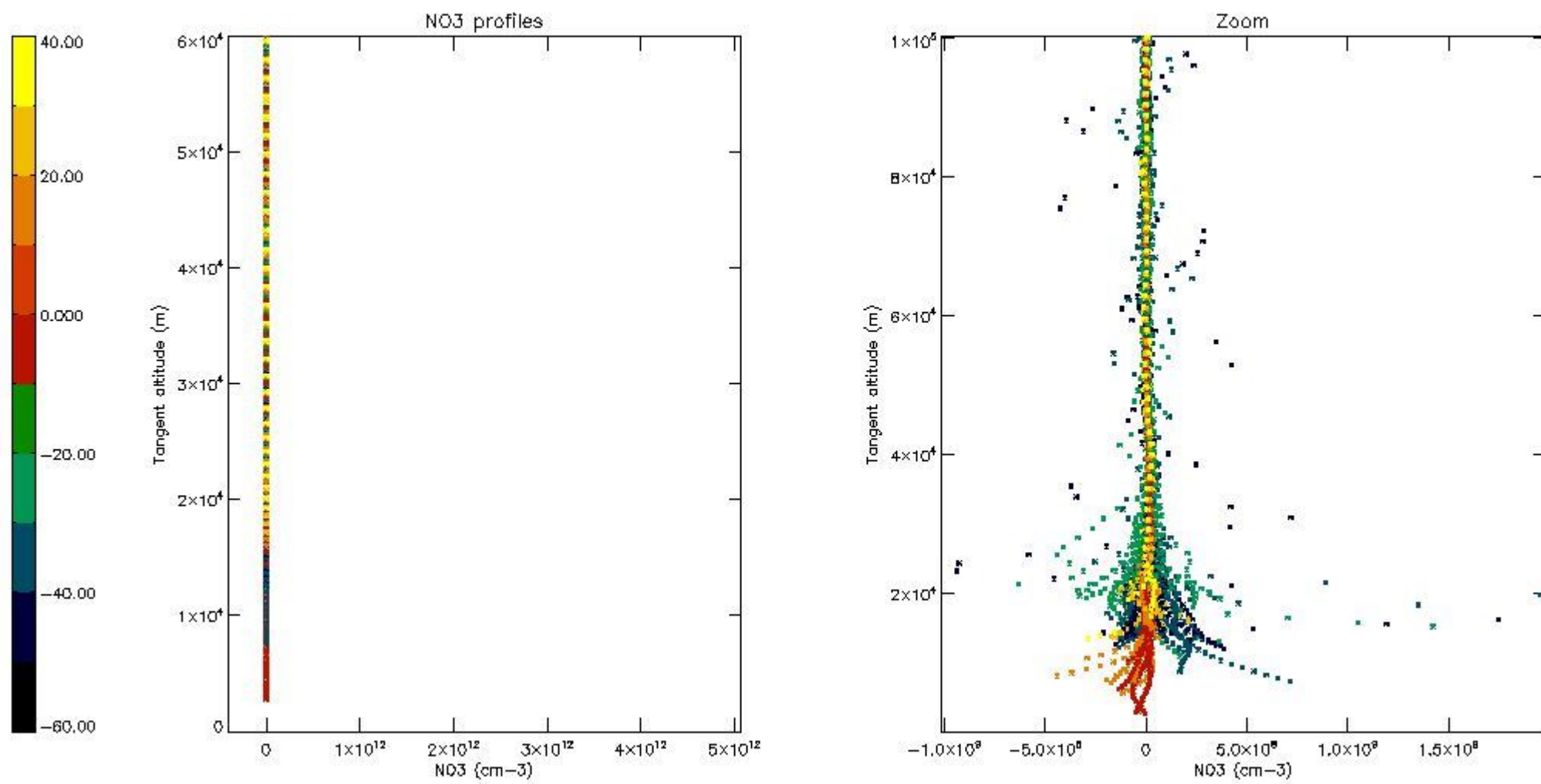
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



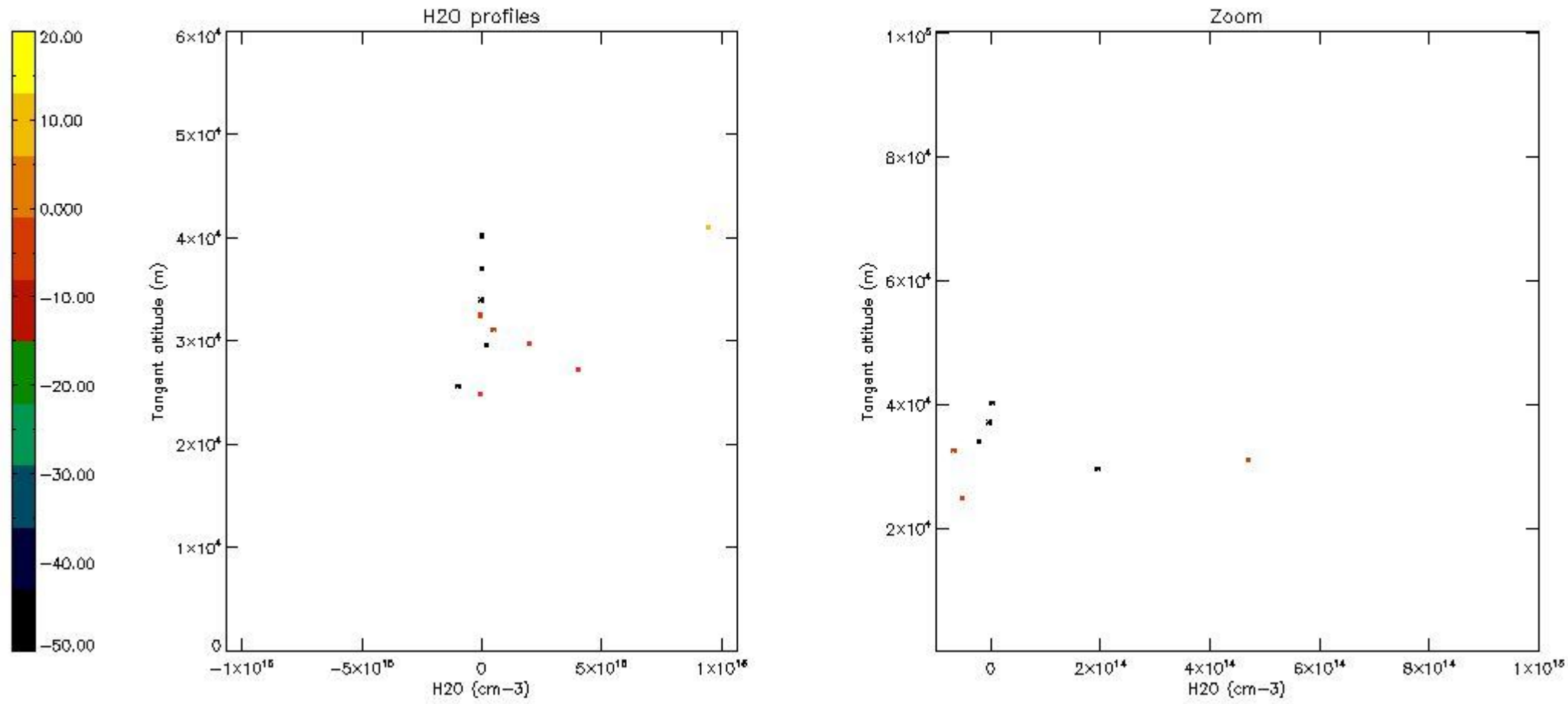
5.7 Plot NO3 profiles for all STD (dark without errors)

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	17-FEB-2006 00:05:35
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-FEB-2006 00:05:35
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-FEB-2006 00:05:35

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 \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

[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	22APR2013 15:50:43
Data source version	GOMOS/6.01
Start time of products	17-02-2006 (17FEB2006 00:00:00)
Stop time of products	18-02-2006 (18FEB2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	322
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

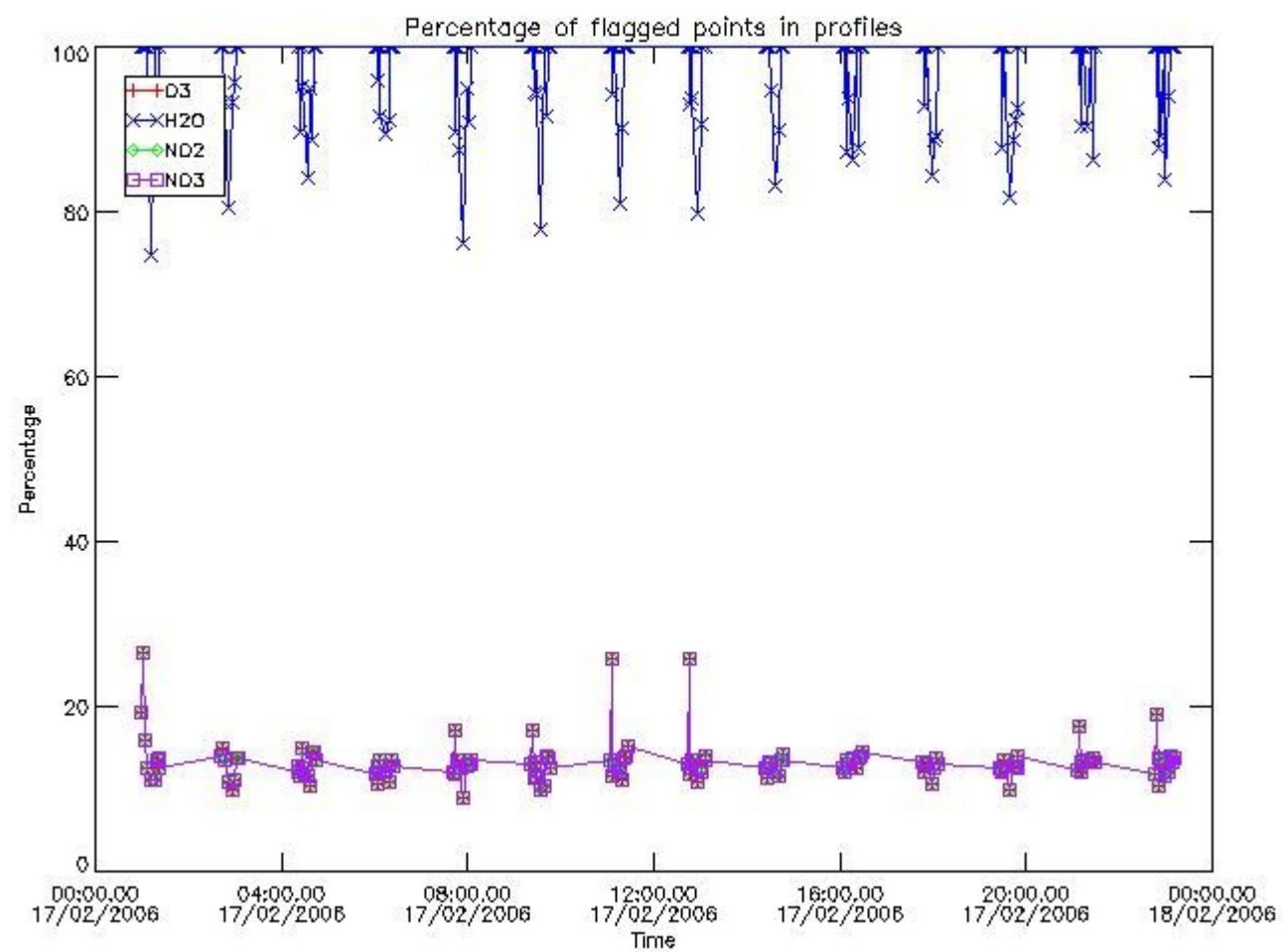
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20060217_000535_000000382045_00145_20740_8767.N1	17-FEB-2006 00:05:35	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	20740	No
2	GOM_NL__2PRFIN20060217_000644_000000362045_00145_20740_8768.N1	17-FEB-2006 00:06:44	Bright	36.000	24	66Alp Gem	1.5800	10200.	72	20740	No
3	GOM_NL__2PRFIN20060217_002255_000000372045_00145_20740_8769.N1	17-FEB-2006 00:22:55	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	20740	No
4	GOM_NL__2PRFIN20060217_002957_000000362045_00145_20740_8770.N1	17-FEB-2006 00:29:57	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	20740	No
5	GOM_NL__2PRFIN20060217_003504_000000372045_00145_20740_8771.N1	17-FEB-2006 00:35:04	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	20740	No
6	GOM_NL__2PRFIN20060217_003641_000000352045_00145_20740_8772.N1	17-FEB-2006 00:36:41	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	20740	No
7	GOM_NL__2PRFIN20060217_004454_000000342045_00145_20740_8773.N1	17-FEB-2006 00:44:54	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	20740	No
8	GOM_NL__2PRFIN20060217_005428_000000402045_00145_20740_8774.N1	17-FEB-2006 00:54:28	Twilight	40.000	155	41Pi Sgr	2.9000	6600.0	80	20740	No
9	GOM_NL__2PRFIN20060217_005608_000000382045_00145_20740_8775.N1	17-FEB-2006 00:56:08	Twilight	37.500	57	34Sig Sgr	2.0660	26000.	75	20740	No
10	GOM_NL__2PRFIN20060217_005856_000000422045_00145_20740_8776.N1	17-FEB-2006 00:58:56	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	20740	No
11	GOM_NL__2PRFIN20060217_010110_000000462045_00145_20740_8777.N1	17-FEB-2006 01:01:10	Dark	46.000	25	35Lam Sco	1.6200	28000.	92	20740	No
12	GOM_NL__2PRFIN20060217_010409_000000392045_00145_20740_8778.N1	17-FEB-2006 01:04:09	Dark	38.500	147	Alp Ara	2.8770	26000.	77	20740	No
13	GOM_NL__2PRFIN20060217_010535_000000412045_00145_20740_8779.N1	17-FEB-2006 01:05:35	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	20740	No
14	GOM_NL__2PRFIN20060217_011148_000000462045_00146_20741_8758.N1	17-FEB-2006 01:11:48	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	20741	No
15	GOM_NL__2PRFIN20060217_011609_000000462045_00146_20741_8759.N1	17-FEB-2006 01:16:09	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	20741	No
16	GOM_NL__2PRFIN20060217_011828_000000382045_00146_20741_8760.N1	17-FEB-2006 01:18:28	Dark	38.000	29	Bet Car	1.6720	10200.	76	20741	No
17	GOM_NL__2PRFIN20060217_012107_000000412045_00146_20741_8761.N1	17-FEB-2006 01:21:07	Dark	41.000	71	lot Car	2.2460	7700.0	82	20741	No
18	GOM_NL__2PRFIN20060217_012244_000000412045_00146_20741_8762.N1	17-FEB-2006 01:22:44	Dark	41.000	46	Del Vel	1.9540	10600.	82	20741	No
19	GOM_NL__2PRFIN20060217_012506_000000382045_00146_20741_8763.N1	17-FEB-2006 01:25:06	Straylight	38.000	34	Gam2Vel	1.7930	23000.	76	20741	No
20	GOM_NL__2PRFIN20060217_012711_000000392045_00146_20741_8764.N1	17-FEB-2006 01:27:11	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20741	No
21	GOM_NL__2PRFIN20060217_013128_000000412045_00146_20741_8765.N1	17-FEB-2006 01:31:28	Straylight	40.500	132	15Rho Pup	2.8030	6900.0	81	20741	No
22	GOM_NL__2PRFIN20060217_013956_000000422045_00146_20741_8766.N1	17-FEB-2006 01:39:56	Bright	41.500	8	10Alp CMi	0.40000	6500.0	83	20741	No
23	GOM_NL__2PRFIN20060217_014611_000000362045_00146_20741_8767.N1	17-FEB-2006 01:46:11	Bright	35.500	17	78Bet Gem	1.1610	4500.0	71	20741	No
24	GOM_NL__2PRFIN20060217_014720_000000382045_00146_20741_8768.N1	17-FEB-2006 01:47:20	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	20741	No
25	GOM_NL__2PRFIN20060217_020331_000000332045_00146_20741_8769.N1	17-FEB-2006 02:03:31	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	20741	No
26	GOM_NL__2PRFIN20060217_021033_000000352045_00146_20741_8770.N1	17-FEB-2006 02:10:33	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	20741	No
27	GOM_NL__2PRFIN20060217_021540_000000372045_00146_20741_8771.N1	17-FEB-2006 02:15:40	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	20741	No
28	GOM_NL__2PRFIN20060217_021716_000000362045_00146_20741_8772.N1	17-FEB-2006 02:17:16	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	20741	No
29	GOM_NL__2PRFIN20060217_022530_000000352045_00146_20741_8773.N1	17-FEB-2006 02:25:30	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	20741	No
30	GOM_NL__2PRFIN20060217_023504_000000412045_00146_20741_8774.N1	17-FEB-2006 02:35:04	Twilight	40.500	155	41Pi Sgr	2.9000	6600.0	81	20741	No
31	GOM_NL__2PRFIN20060217_023644_000000402045_00146_20741_8775.N1	17-FEB-2006 02:36:44	Twilight	40.000	57	34Sig Sgr	2.0660	26000.	80	20741	No
32	GOM_NL__2PRFIN20060217_024146_000000442045_00146_20741_8776.N1	17-FEB-2006 02:41:46	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	20741	No
33	GOM_NL__2PRFIN20060217_024445_000000382045_00146_20741_8777.N1	17-FEB-2006 02:44:45	Dark	37.500	147	Alp Ara	2.8770	26000.	75	20741	No
34	GOM_NL__2PRFIN20060217_024611_000000382045_00146_20741_8778.N1	17-FEB-2006 02:46:11	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	20741	No
35	GOM_NL__2PRFIN20060217_025225_000000472045_00147_20742_8758.N1	17-FEB-2006 02:52:25	Dark	46.500	4	Alp1Cen	-0.010000	5800.0	93	20742	No
36	GOM_NL__2PRFIN20060217_025645_000000522045_00147_20742_8759.N1	17-FEB-2006 02:56:45	Dark	51.500	12	Alp1Cru	0.77500	30000.	103	20742	No
37	GOM_NL__2PRFIN20060217_025904_000000462045_00147_20742_8760.N1	17-FEB-2006 02:59:04	Dark	46.000	29	Bet Car	1.6720	10200.	92	20742	No
38	GOM_NL__2PRFIN20060217_030143_000000372045_00147_20742_8761.N1	17-FEB-2006 03:01:43	Dark	37.000	71	lot Car	2.2460	7700.0	74	20742	No
39	GOM_NL__2PRFIN20060217_030320_000000372045_00147_20742_8762.N1	17-FEB-2006 03:03:20	Dark	37.000	46	Del Vel	1.9540	10600.	74	20742	No
40	GOM_NL__2PRFIN20060217_030542_000000392045_00147_20742_8763.N1	17-FEB-2006 03:05:42	Straylight	38.500	34	Gam2Vel	1.7930	23000.	77	20742	No
41	GOM_NL__2PRFIN20060217_030747_000000392045_00147_20742_8764.N1	17-FEB-2006 03:07:47	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20742	No
42	GOM_NL__2PRFIN20060217_031205_000000392045_00147_20742_8765.N1	17-FEB-2006 03:12:05	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	20742	No

279	GOM_NL__2PRFIN20060217_210142_000000412045_00157_20752_8793.N1	17-FEB-2006 21:01:42	Twilight	41.000	155	41Pi Sgr	2.9000	6600.0	82	20752	No
280	GOM_NL__2PRFIN20060217_210323_000000402045_00157_20752_8794.N1	17-FEB-2006 21:03:23	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	20752	No
281	GOM_NL__2PRFIN20060217_210612_000000422045_00157_20752_8795.N1	17-FEB-2006 21:06:12	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	20752	No
282	GOM_NL__2PRFIN20060217_210828_000000322045_00157_20752_8796.N1	17-FEB-2006 21:08:28	Dark	32.000	25	35Lam Sco	1.6200	28000.	64	20752	No
283	GOM_NL__2PRFIN20060217_210942_000000422045_00157_20752_8797.N1	17-FEB-2006 21:09:42	Dark	42.000	40	The Sco	1.8590	7100.0	84	20752	No
284	GOM_NL__2PRFIN20060217_211126_000000392045_00157_20752_8798.N1	17-FEB-2006 21:11:26	Dark	38.500	147	Alp Ara	2.8770	26000.	77	20752	No
285	GOM_NL__2PRFIN20060217_211251_000000382045_00157_20752_8799.N1	17-FEB-2006 21:12:51	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	20752	No
286	GOM_NL__2PRFIN20060217_211907_000000422045_00158_20753_8778.N1	17-FEB-2006 21:19:07	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	20753	No
287	GOM_NL__2PRFIN20060217_212326_000000392045_00158_20753_8779.N1	17-FEB-2006 21:23:26	Dark	38.500	12	Alp1Cru	0.77500	30000.	77	20753	No
288	GOM_NL__2PRFIN20060217_212541_000000372045_00158_20753_8780.N1	17-FEB-2006 21:25:41	Dark	37.000	29	Bet Car	1.6720	10200.	74	20753	No
289	GOM_NL__2PRFIN20060217_212821_000000392045_00158_20753_8781.N1	17-FEB-2006 21:28:21	Dark	38.500	71	lot Car	2.2460	7700.0	77	20753	No
290	GOM_NL__2PRFIN20060217_212957_000000392045_00158_20753_8782.N1	17-FEB-2006 21:29:57	Dark	38.500	46	Del Vel	1.9540	10600.	77	20753	No
291	GOM_NL__2PRFIN20060217_213242_000000462045_00158_20753_8783.N1	17-FEB-2006 21:32:42	Straylight	46.000	65	Lam Vel	2.2040	4400.0	92	20753	No
292	GOM_NL__2PRFIN20060217_213424_000000382045_00158_20753_8784.N1	17-FEB-2006 21:34:24	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	20753	No
293	GOM_NL__2PRFIN20060217_213842_000000402045_00158_20753_8785.N1	17-FEB-2006 21:38:42	Straylight	40.000	132	15Rho Pup	2.8030	6900.0	80	20753	No
294	GOM_NL__2PRFIN20060217_214709_000000392045_00158_20753_8786.N1	17-FEB-2006 21:47:09	Bright	39.000	8	10Alp CMi	0.40000	6500.0	78	20753	No
295	GOM_NL__2PRFIN20060217_215323_000000372045_00158_20753_8787.N1	17-FEB-2006 21:53:23	Bright	36.500	17	78Bet Gem	1.1610	4500.0	73	20753	No
296	GOM_NL__2PRFIN20060217_215433_000000362045_00158_20753_8788.N1	17-FEB-2006 21:54:33	Bright	35.500	24	66Alp Gem	1.5800	10200.	71	20753	No
297	GOM_NL__2PRFIN20060217_221043_000000362045_00158_20753_8789.N1	17-FEB-2006 22:10:43	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20753	No
298	GOM_NL__2PRFIN20060217_221747_000000352045_00158_20753_8790.N1	17-FEB-2006 22:17:47	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	20753	No
299	GOM_NL__2PRFIN20060217_222254_000000342045_00158_20753_8791.N1	17-FEB-2006 22:22:54	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	20753	No
300	GOM_NL__2PRFIN20060217_222430_000000342045_00158_20753_8792.N1	17-FEB-2006 22:24:30	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	20753	No
301	GOM_NL__2PRFIN20060217_223244_000000352045_00158_20753_8793.N1	17-FEB-2006 22:32:44	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	20753	No
302	GOM_NL__2PRFIN20060217_224218_000000412045_00158_20753_8794.N1	17-FEB-2006 22:42:18	Twilight	40.500	155	41Pi Sgr	2.9000	6600.0	81	20753	No
303	GOM_NL__2PRFIN20060217_224359_000000432045_00158_20753_8795.N1	17-FEB-2006 22:43:59	Twilight	43.000	57	34Sig Sgr	2.0660	26000.	86	20753	No
304	GOM_NL__2PRFIN20060217_224649_000000432045_00158_20753_8796.N1	17-FEB-2006 22:46:49	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	20753	No
305	GOM_NL__2PRFIN20060217_224905_000000322045_00158_20753_8797.N1	17-FEB-2006 22:49:05	Dark	32.000	25	35Lam Sco	1.6200	28000.	64	20753	No
306	GOM_NL__2PRFIN20060217_225019_000000502045_00158_20753_8798.N1	17-FEB-2006 22:50:19	Dark	49.500	40	The Sco	1.8590	7100.0	99	20753	No
307	GOM_NL__2PRFIN20060217_225202_000000372045_00158_20753_8799.N1	17-FEB-2006 22:52:02	Dark	37.000	147	Alp Ara	2.8770	26000.	74	20753	No
308	GOM_NL__2PRFIN20060217_225327_000000382045_00158_20753_8800.N1	17-FEB-2006 22:53:27	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	20753	No
309	GOM_NL__2PRFIN20060217_225724_000000372045_00159_20754_8798.N1	17-FEB-2006 22:57:24	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	20754	No
310	GOM_NL__2PRFIN20060217_225943_000000442045_00159_20754_8799.N1	17-FEB-2006 22:59:43	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	20754	No
311	GOM_NL__2PRFIN20060217_230402_000000422045_00159_20754_8800.N1	17-FEB-2006 23:04:02	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	20754	No
312	GOM_NL__2PRFIN20060217_230617_000000372045_00159_20754_8801.N1	17-FEB-2006 23:06:17	Dark	36.500	29	Bet Car	1.6720	10200.	73	20754	No
313	GOM_NL__2PRFIN20060217_230857_000000392045_00159_20754_8802.N1	17-FEB-2006 23:08:57	Dark	38.500	71	lot Car	2.2460	7700.0	77	20754	No
314	GOM_NL__2PRFIN20060217_231033_000000372045_00159_20754_8803.N1	17-FEB-2006 23:10:33	Dark	37.000	46	Del Vel	1.9540	10600.	74	20754	No
315	GOM_NL__2PRFIN20060217_231318_000000452045_00159_20754_8804.N1	17-FEB-2006 23:13:18	Straylight	45.000	65	Lam Vel	2.2040	4400.0	90	20754	No
316	GOM_NL__2PRFIN20060217_231500_000000392045_00159_20754_8805.N1	17-FEB-2006 23:15:00	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20754	No
317	GOM_NL__2PRFIN20060217_231918_000000392045_00159_20754_8806.N1	17-FEB-2006 23:19:18	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	20754	No
318	GOM_NL__2PRFIN20060217_232745_000000442045_00159_20754_8807.N1	17-FEB-2006 23:27:45	Bright	44.000	8	10Alp CMi	0.40000	6500.0	88	20754	No
319	GOM_NL__2PRFIN20060217_233359_000000392045_00159_20754_8808.N1	17-FEB-2006 23:33:59	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	20754	No
320	GOM_NL__2PRFIN20060217_233508_000000362045_00159_20754_8809.N1	17-FEB-2006 23:35:08	Bright	35.500	24	66Alp Gem	1.5800	10200.	71	20754	No
321	GOM_NL__2PRFIN20060217_235119_000000322045_00159_20754_8810.N1	17-FEB-2006 23:51:19	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	20754	No
322	GOM_NL__2PRFIN20060217_235823_000000362045_00159_20754_8811.N1	17-FEB-2006 23:58:23	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	20754	No

3. Quality information per product

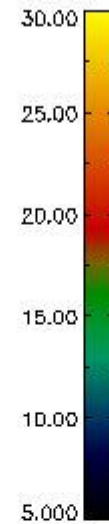
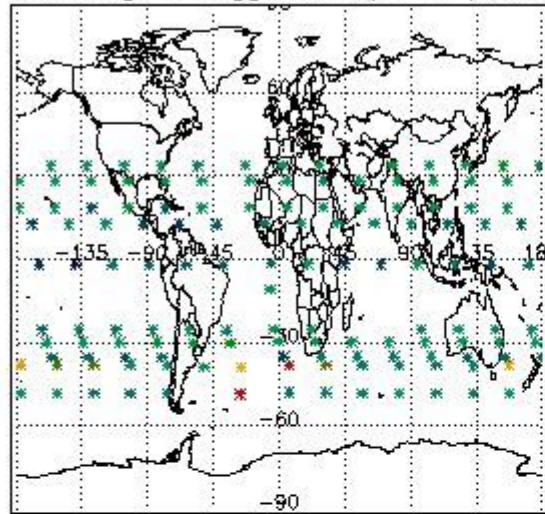
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

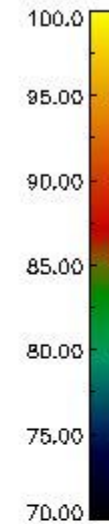
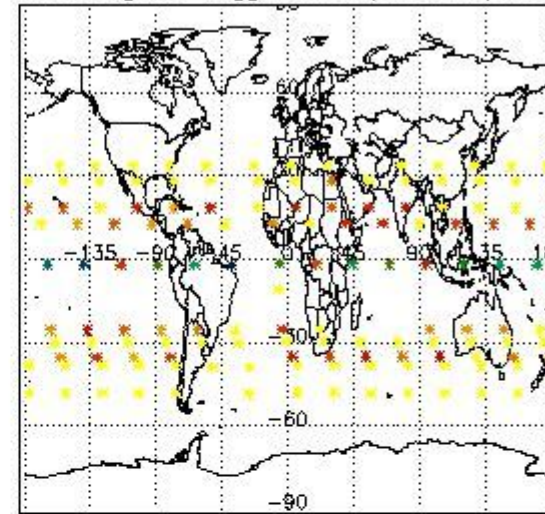


3.2 Plot quality information per product (world map)

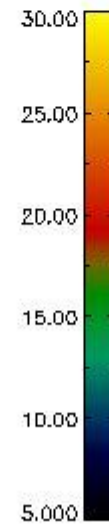
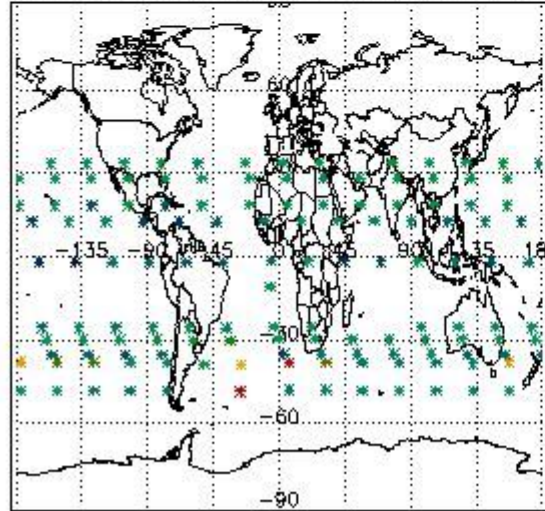
Percentage of flagged data per O3 profile



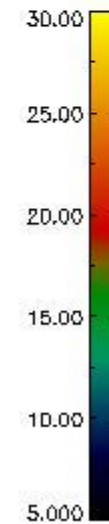
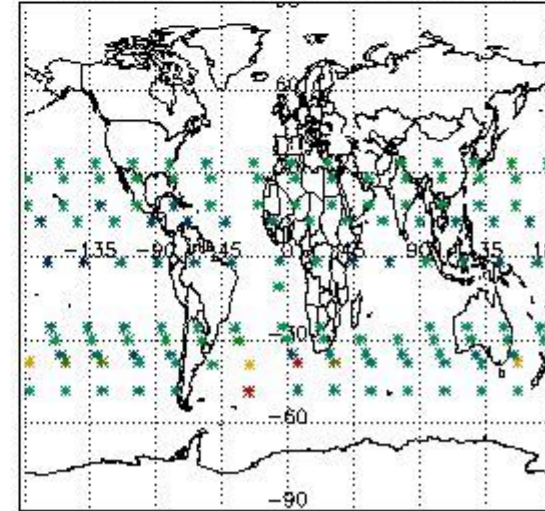
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

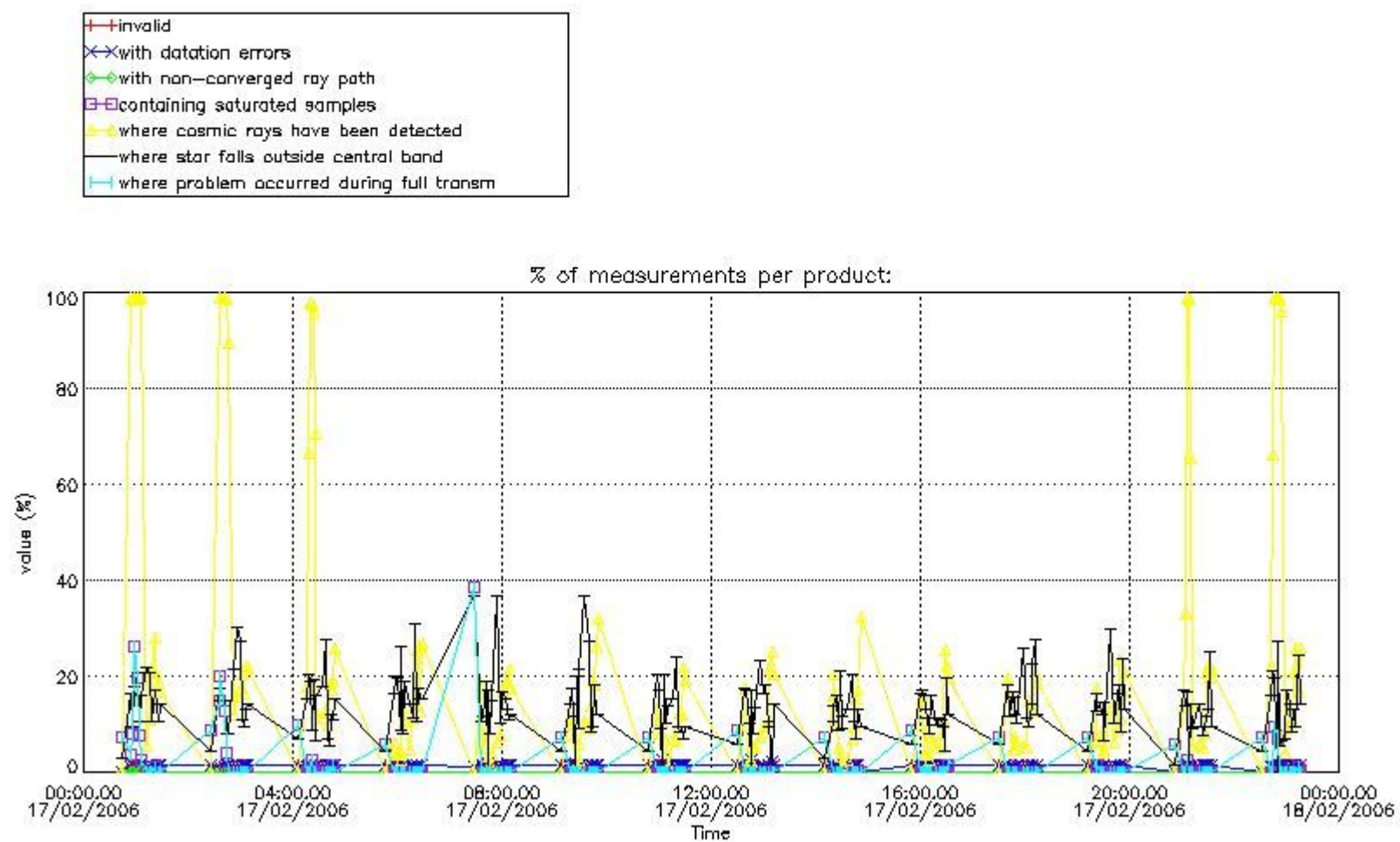


4. Level 1 quality information per product

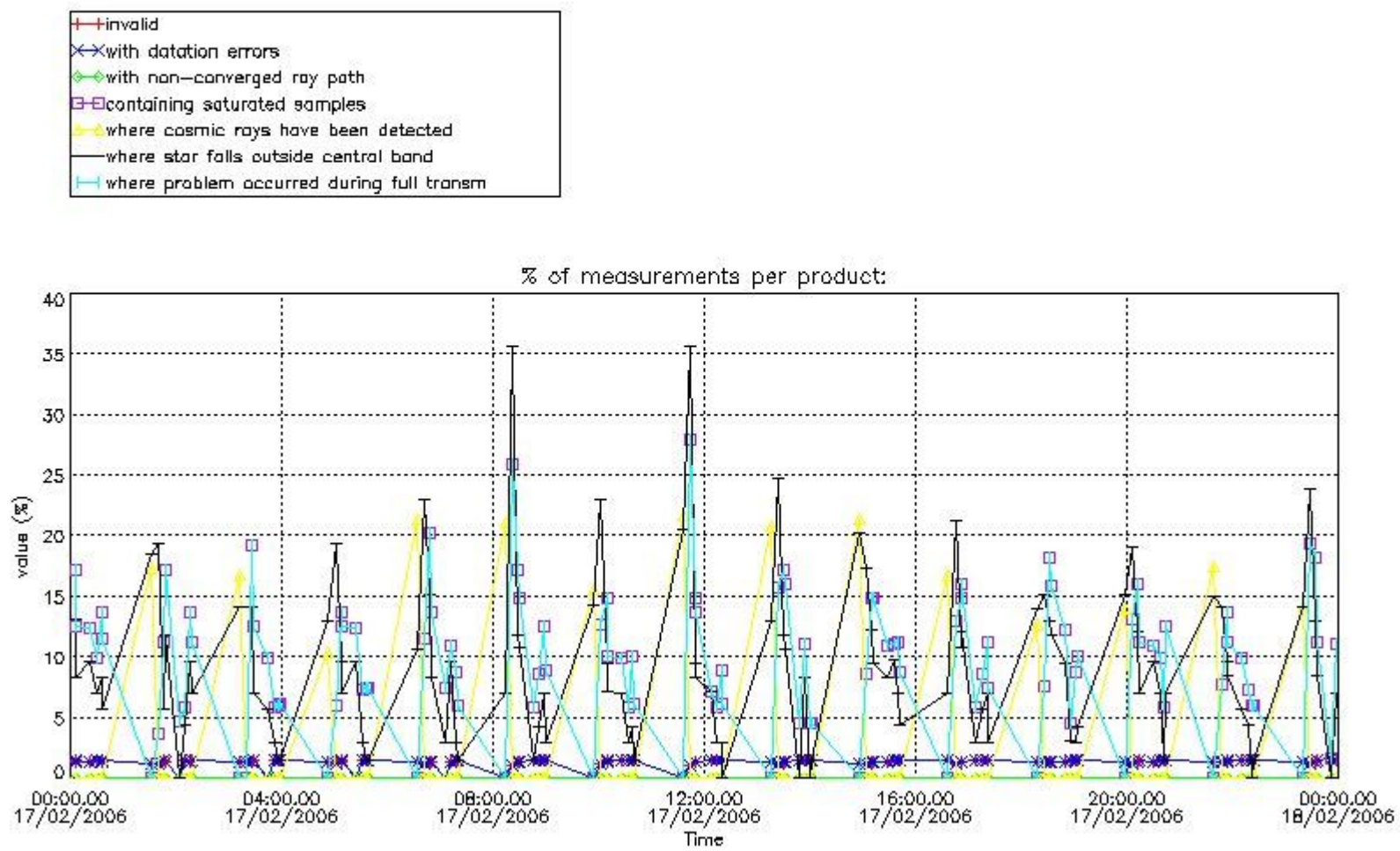
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



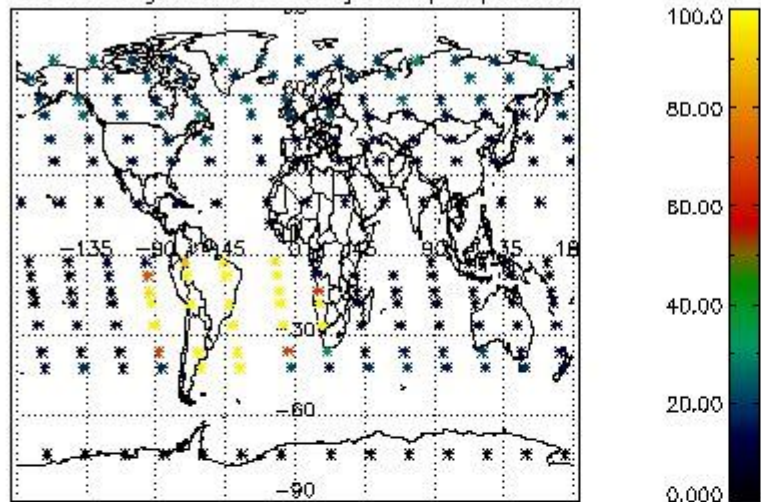
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



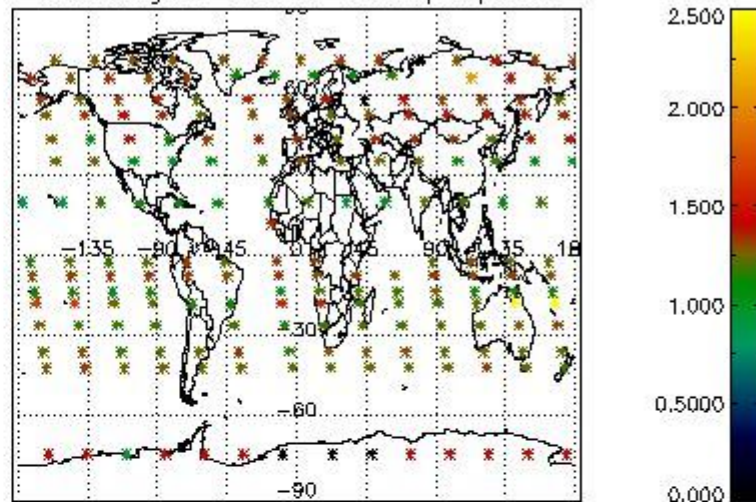
4.2 Plot quality information per product coming from level 1b processing (world map)

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

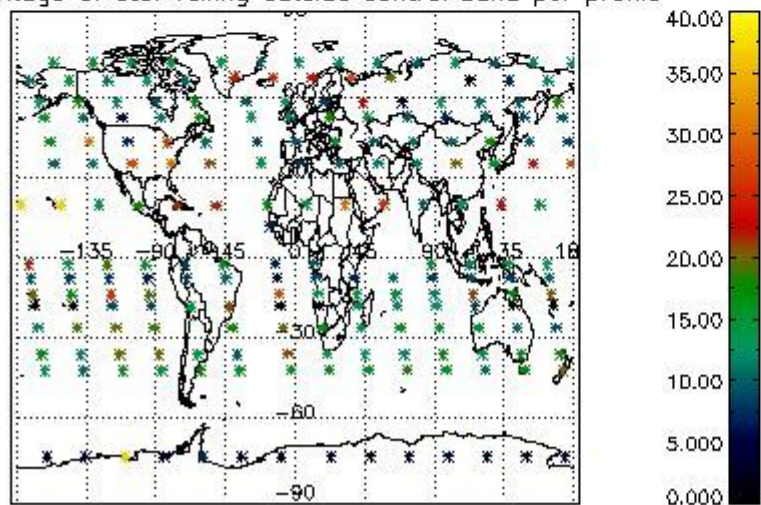
Percentage of cosmic ray hits per profile



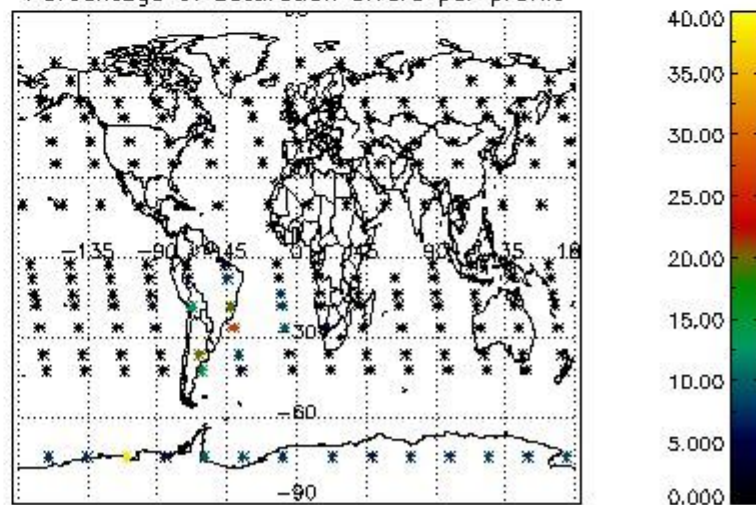
Percentage of datation errors per profile



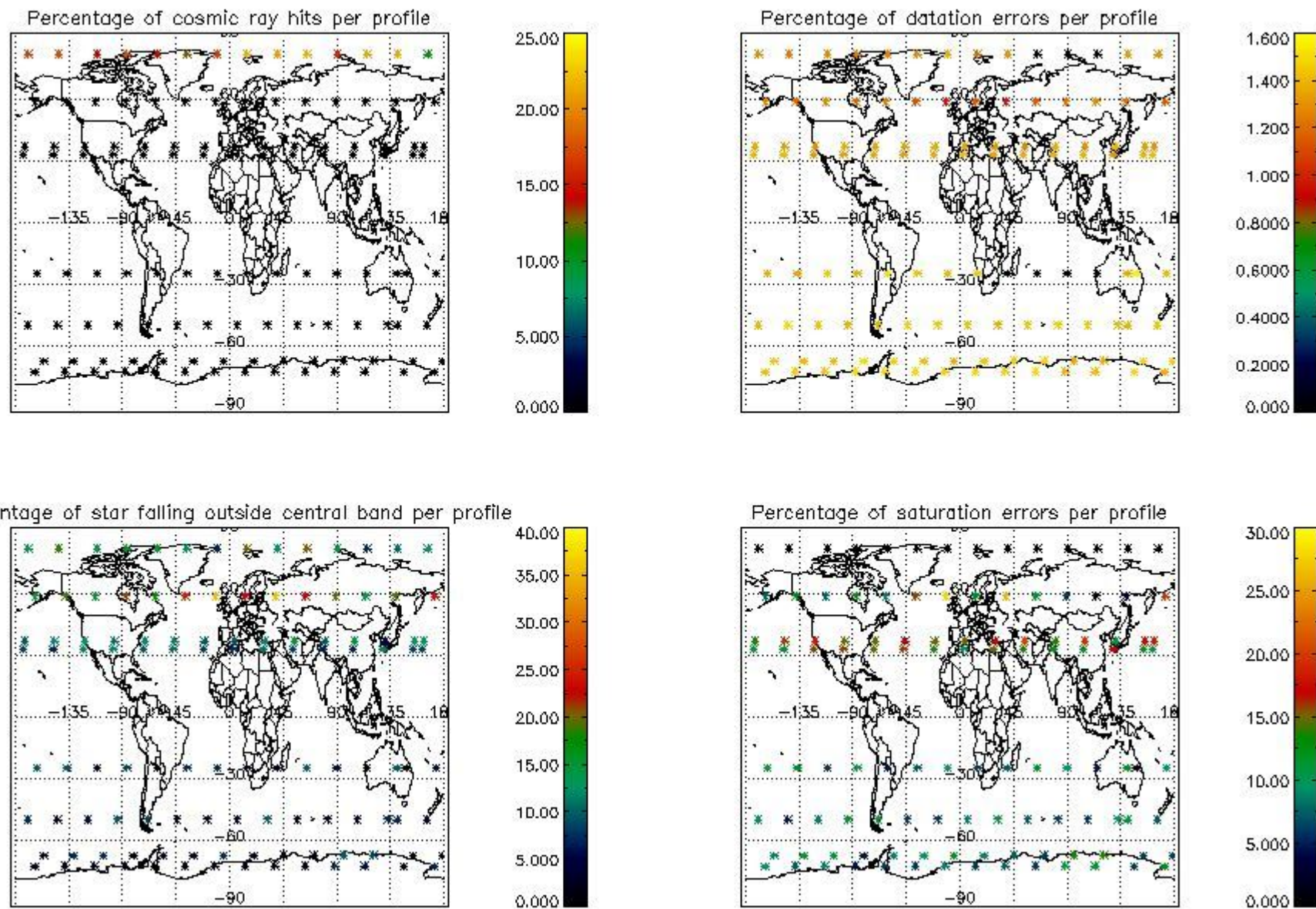
Percentage of star falling outside central band per profile



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

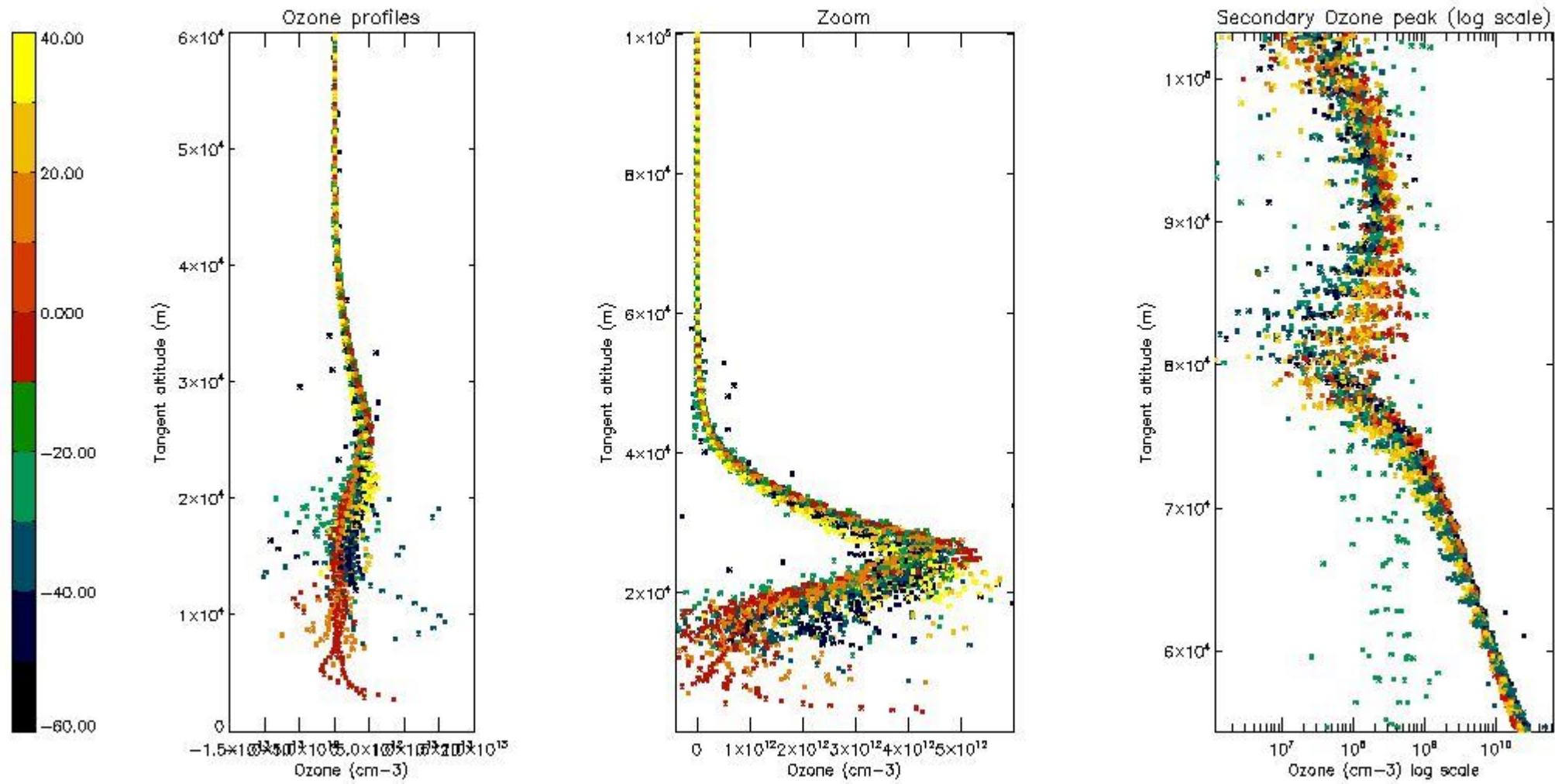
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	45
STD < 20	26

STD < 10	21
STD < 5	14

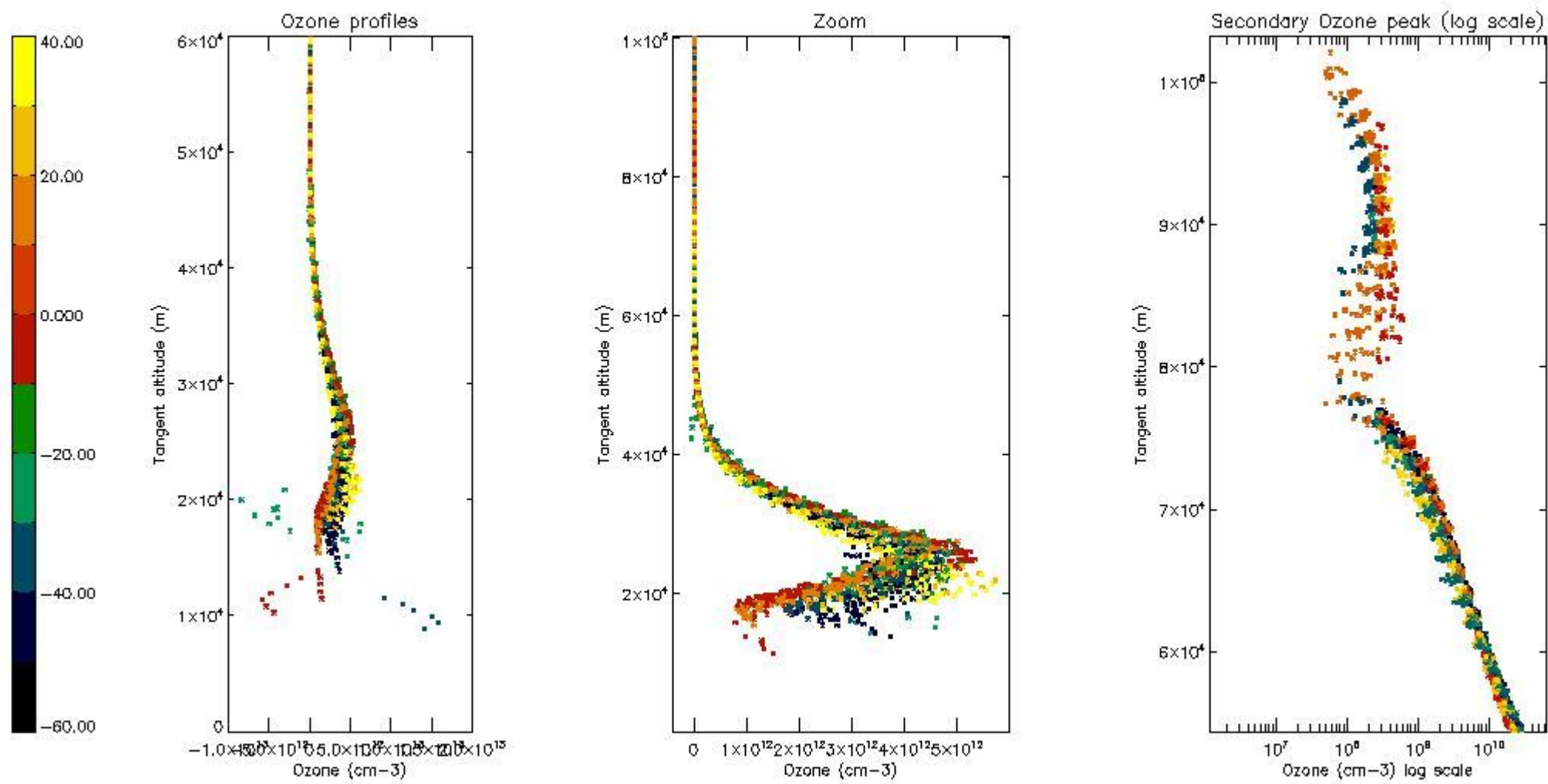
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



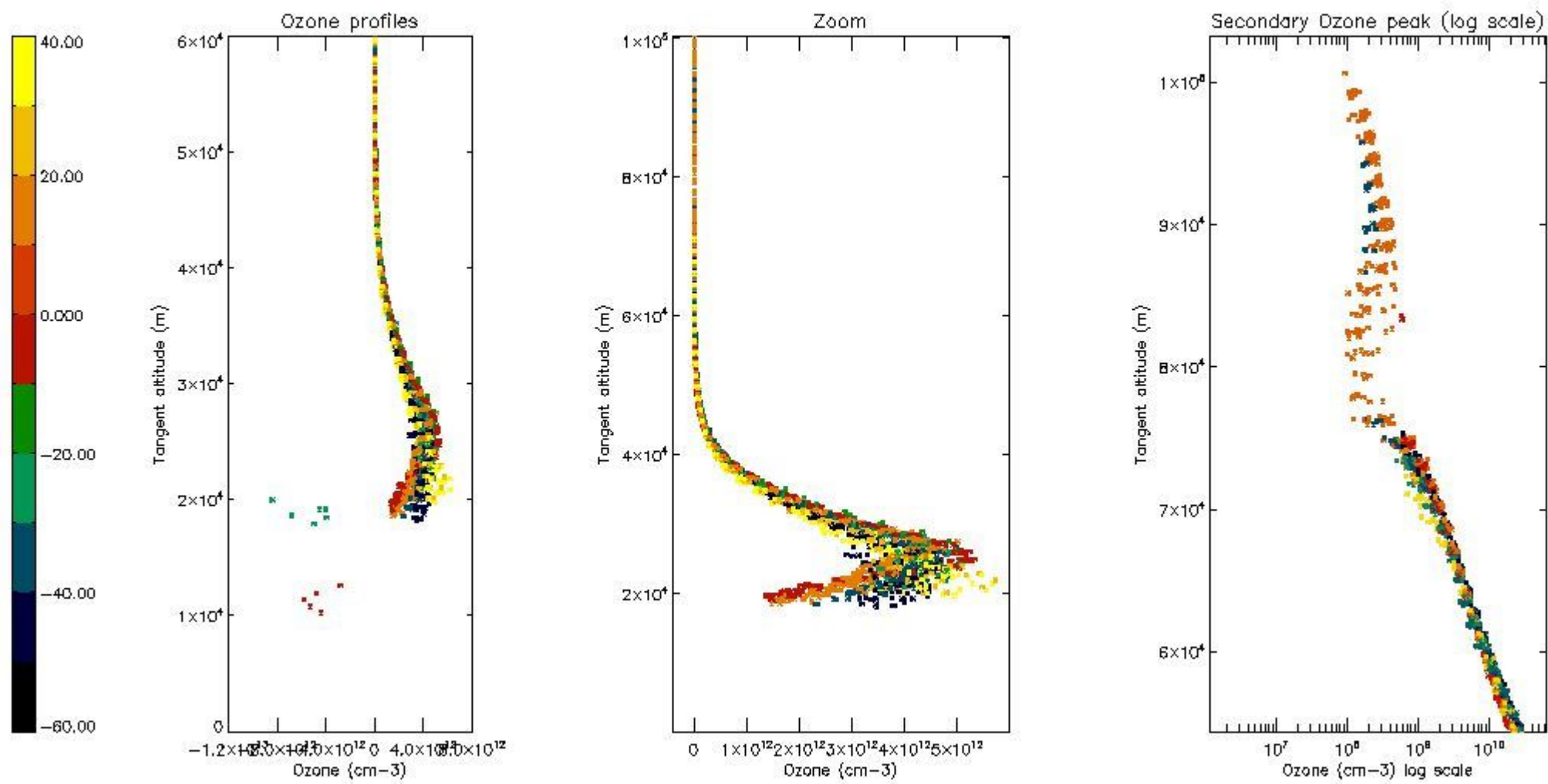
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



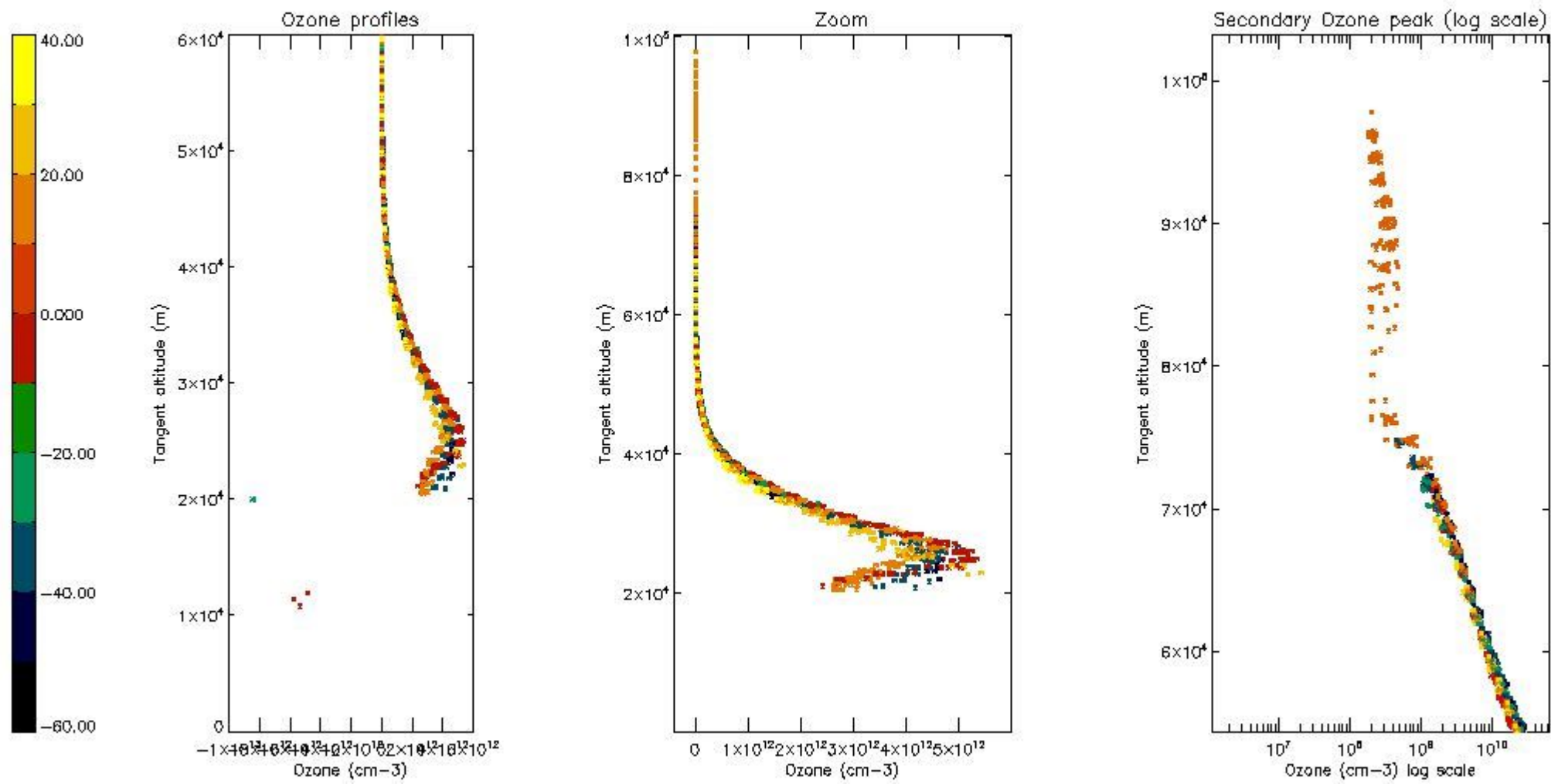
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



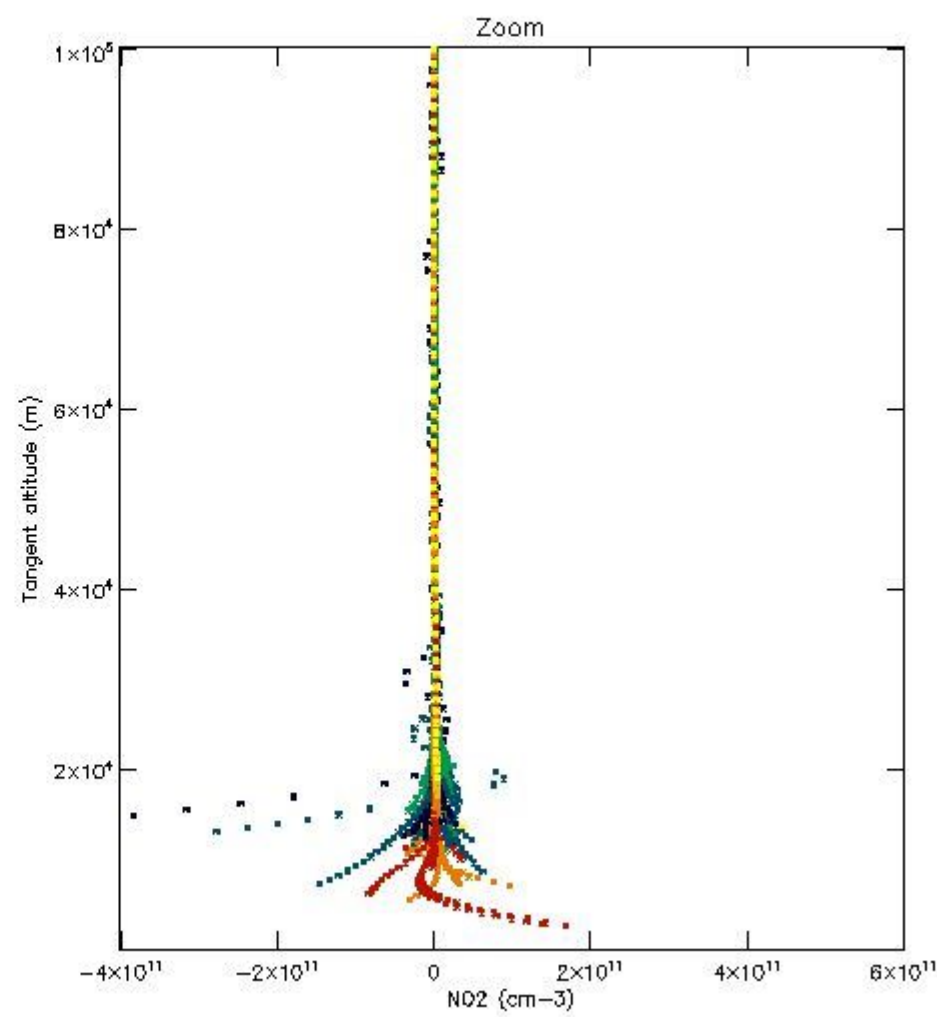
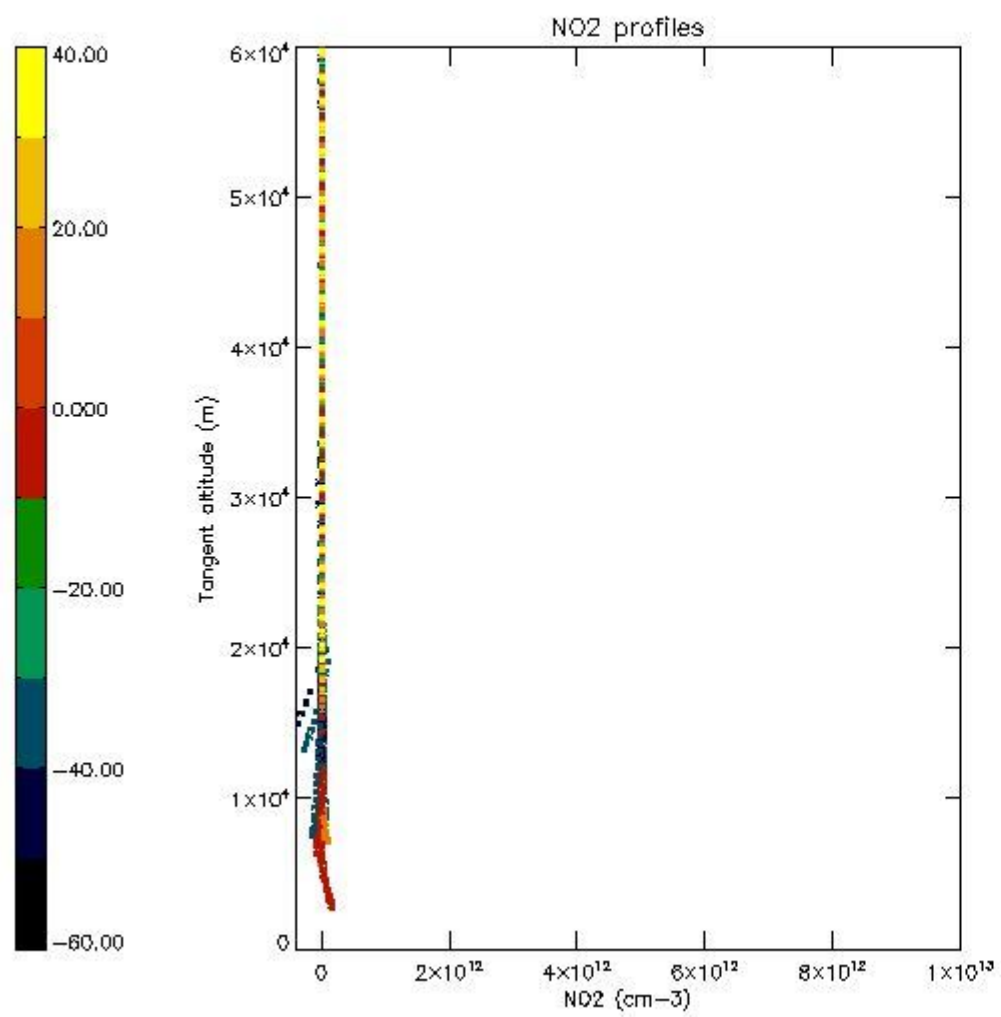
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



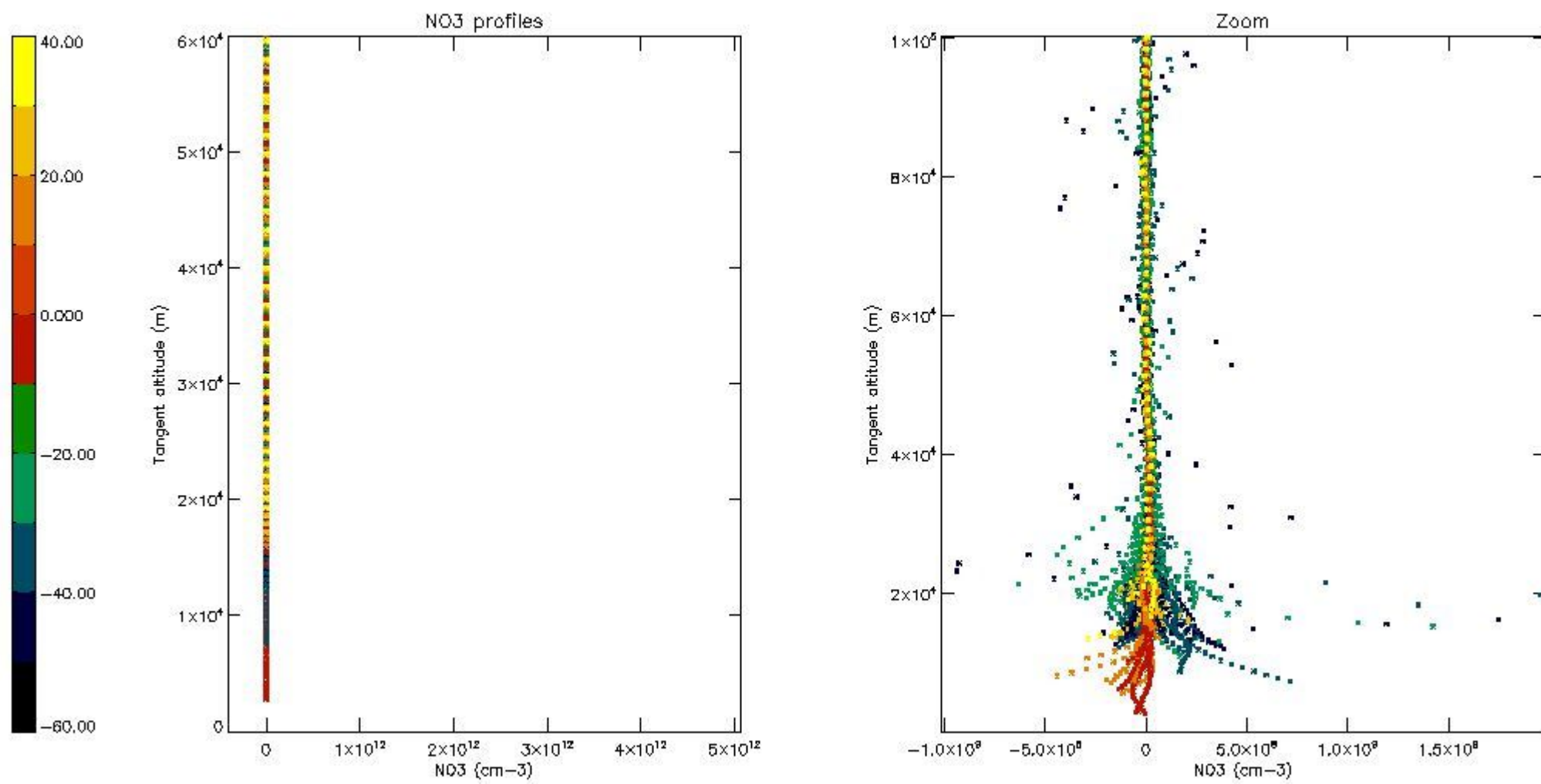
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



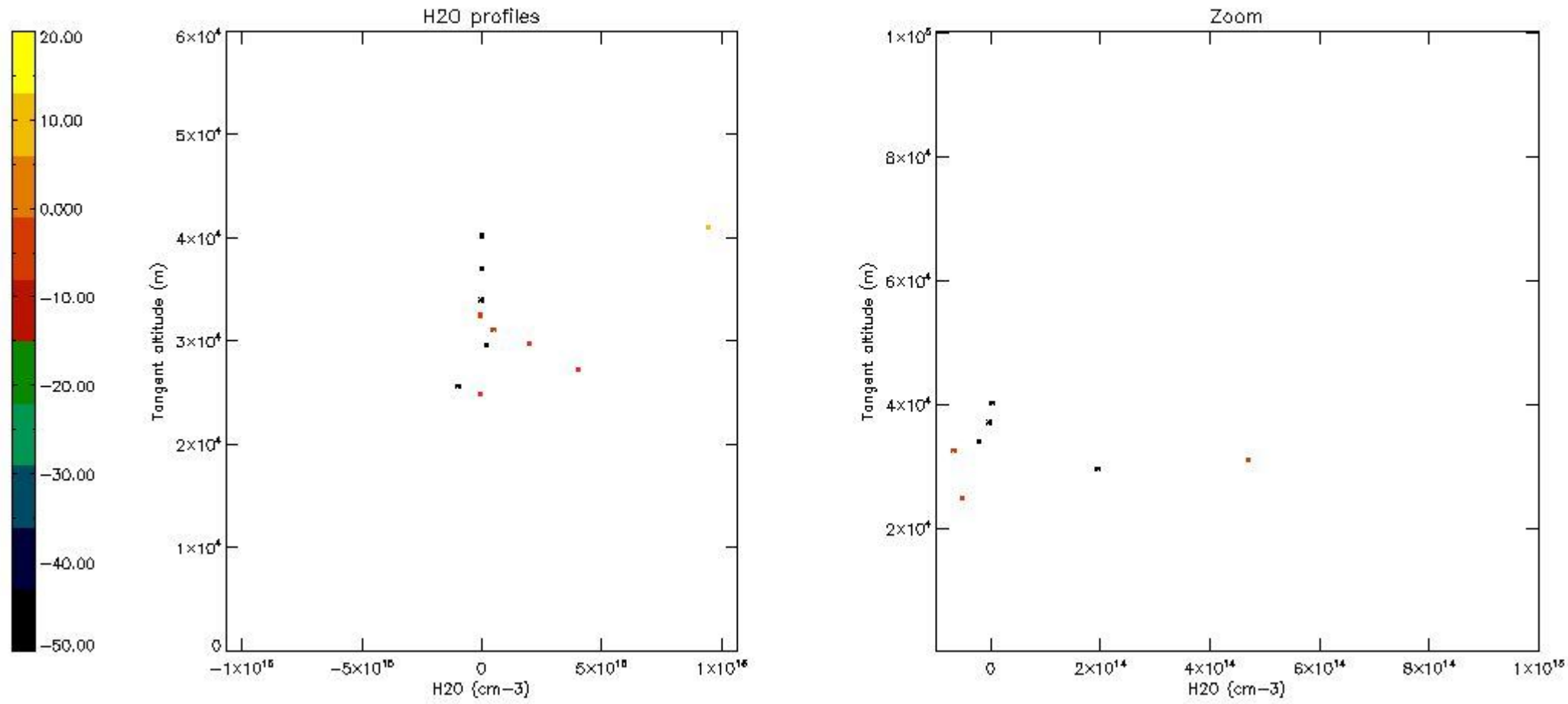
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

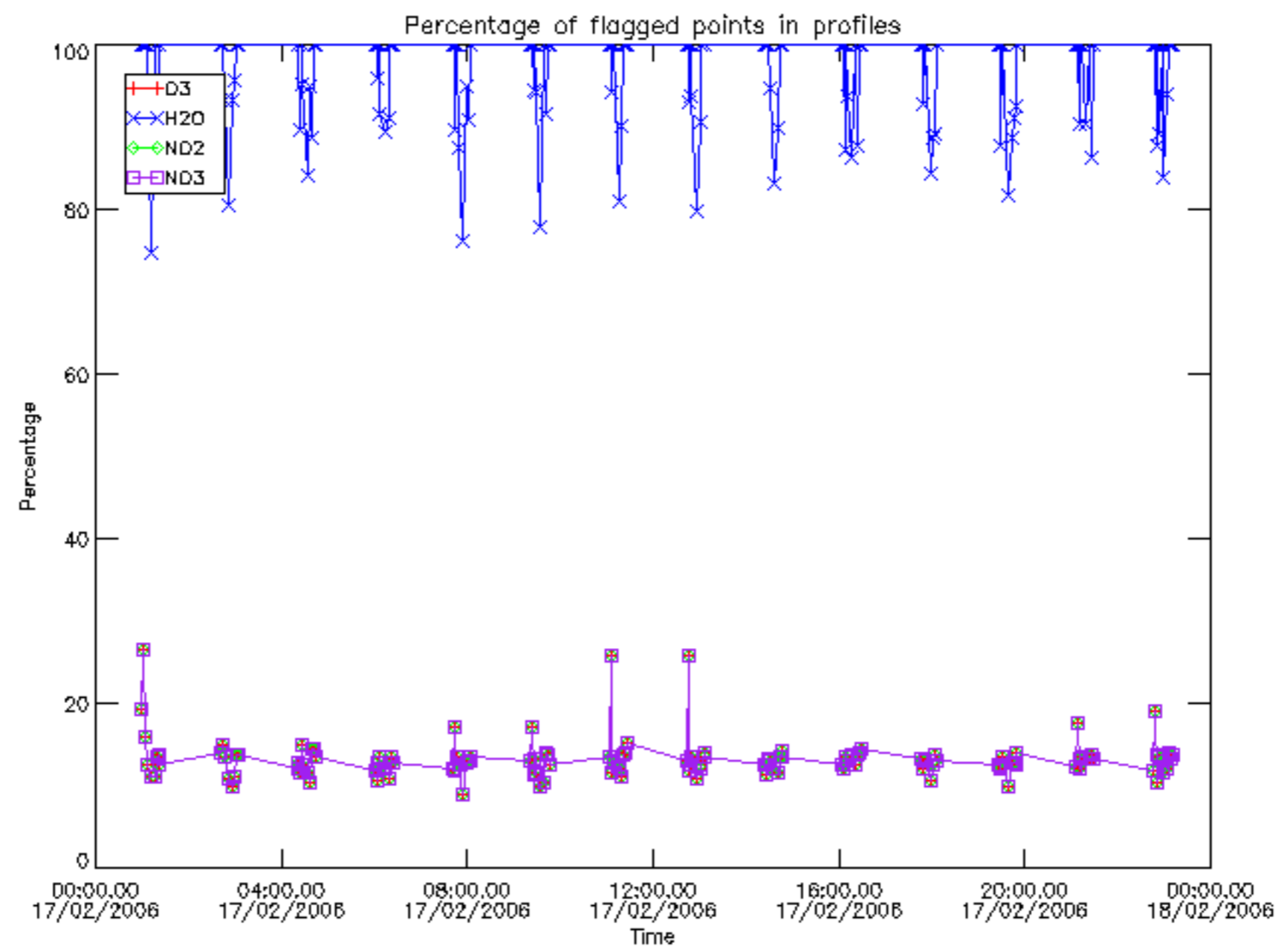
The colorbar represents the latitude.



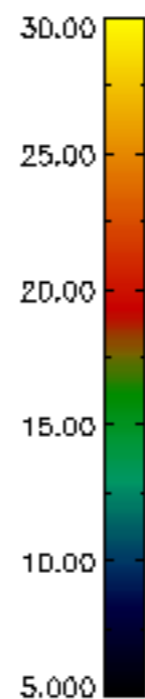
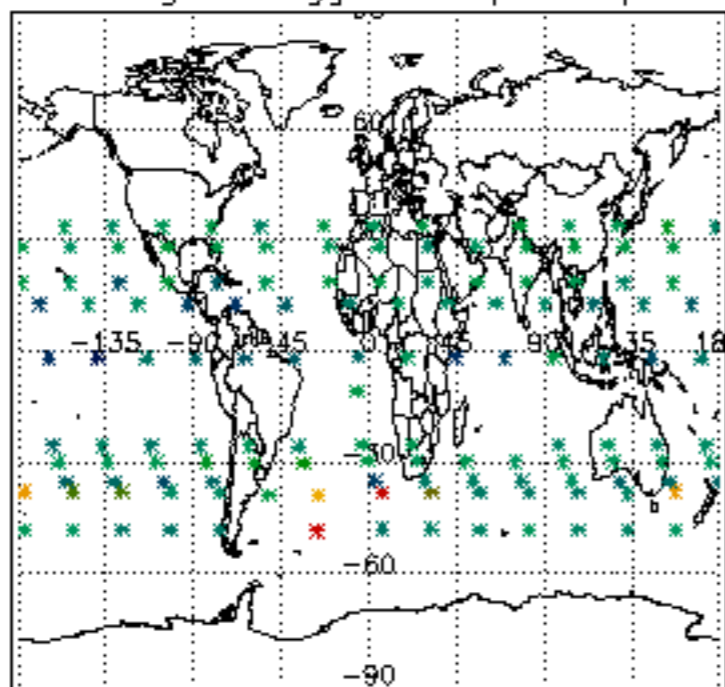
6. Auxiliary Data Files used for the production reported in section 2

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.

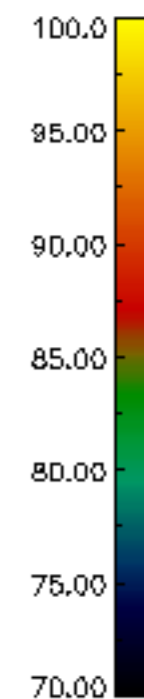
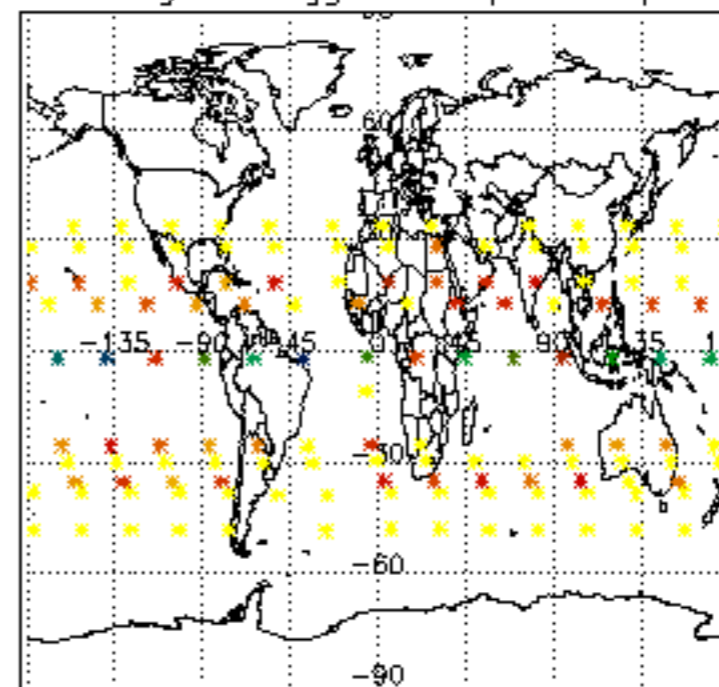
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-FEB-2006 00:05:35
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-FEB-2006 00:05:35
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-FEB-2006 00:05:35



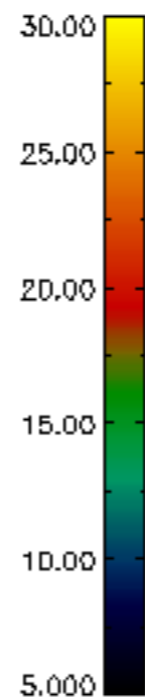
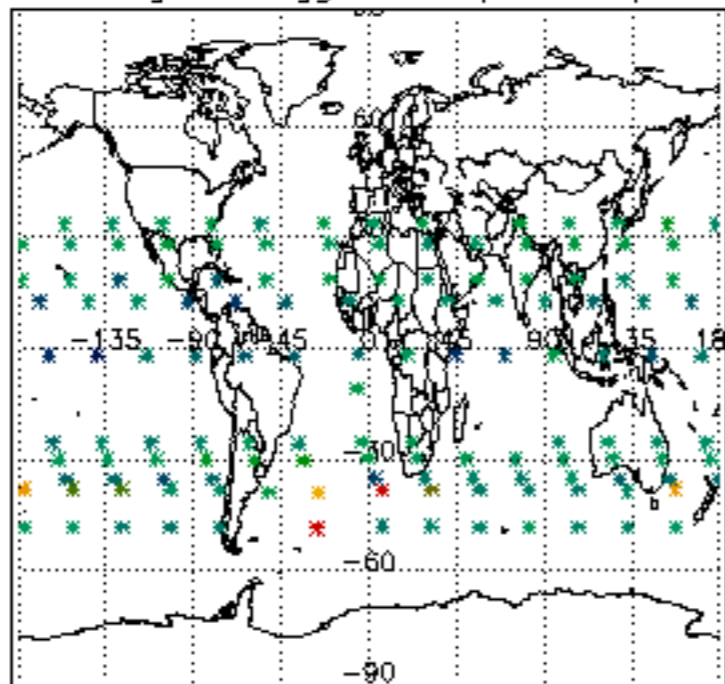
Percentage of flagged data per D3 profile



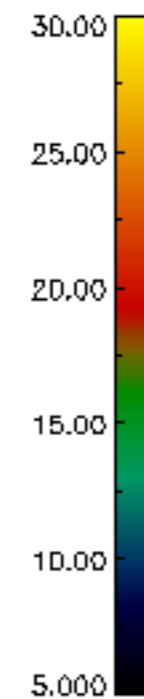
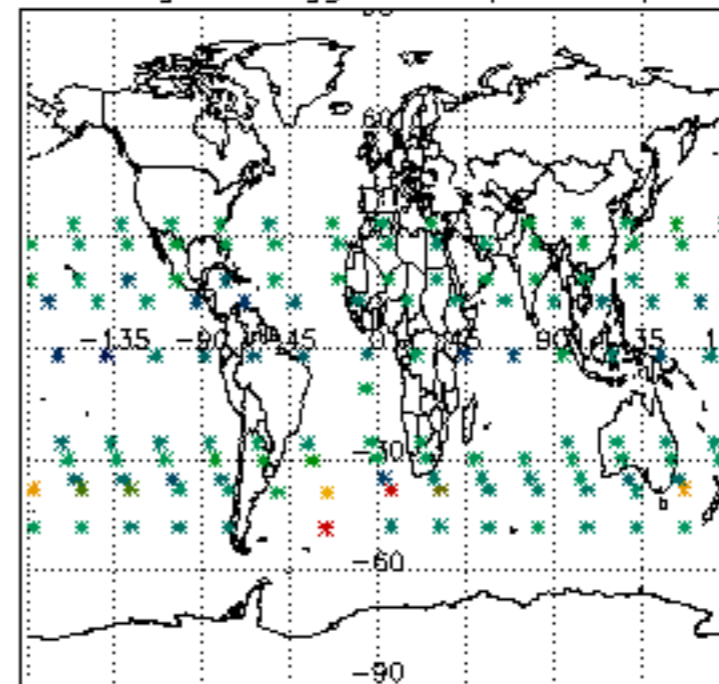
Percentage of flagged data per H2O profile

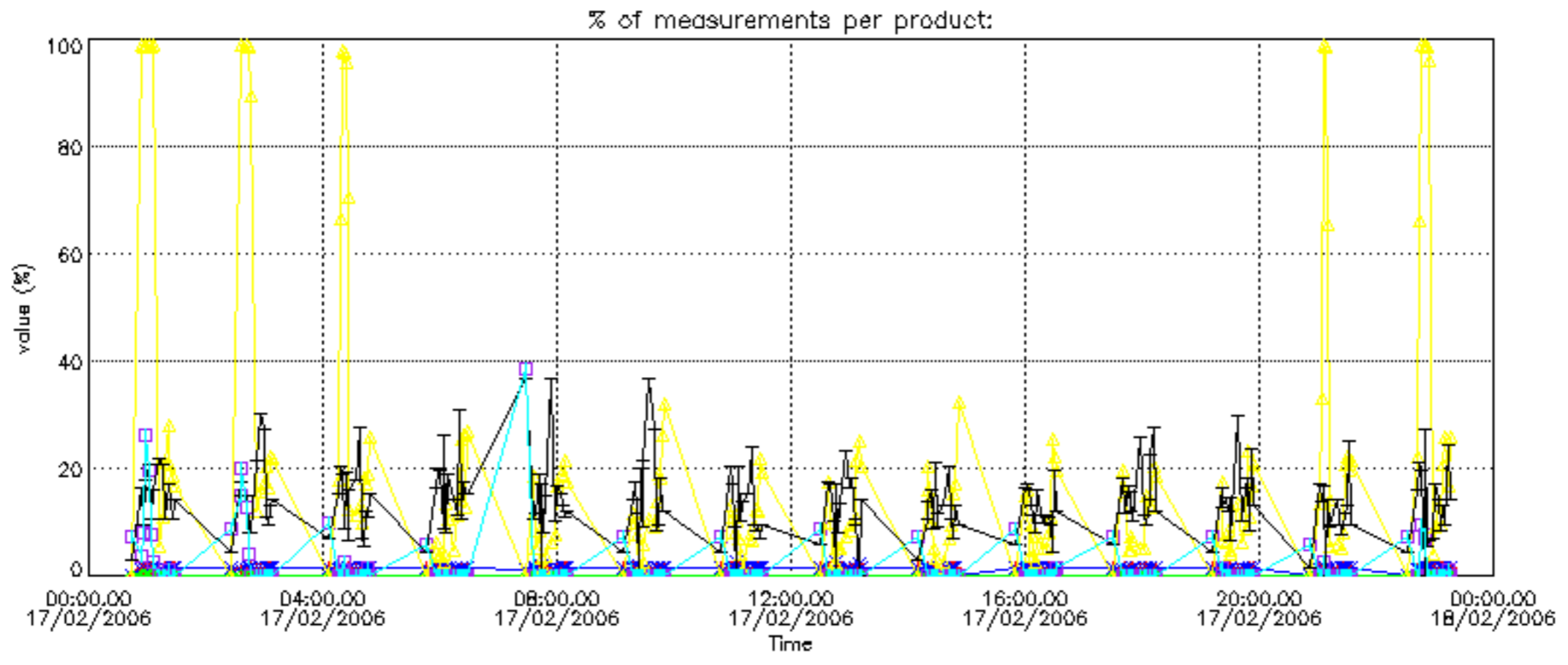


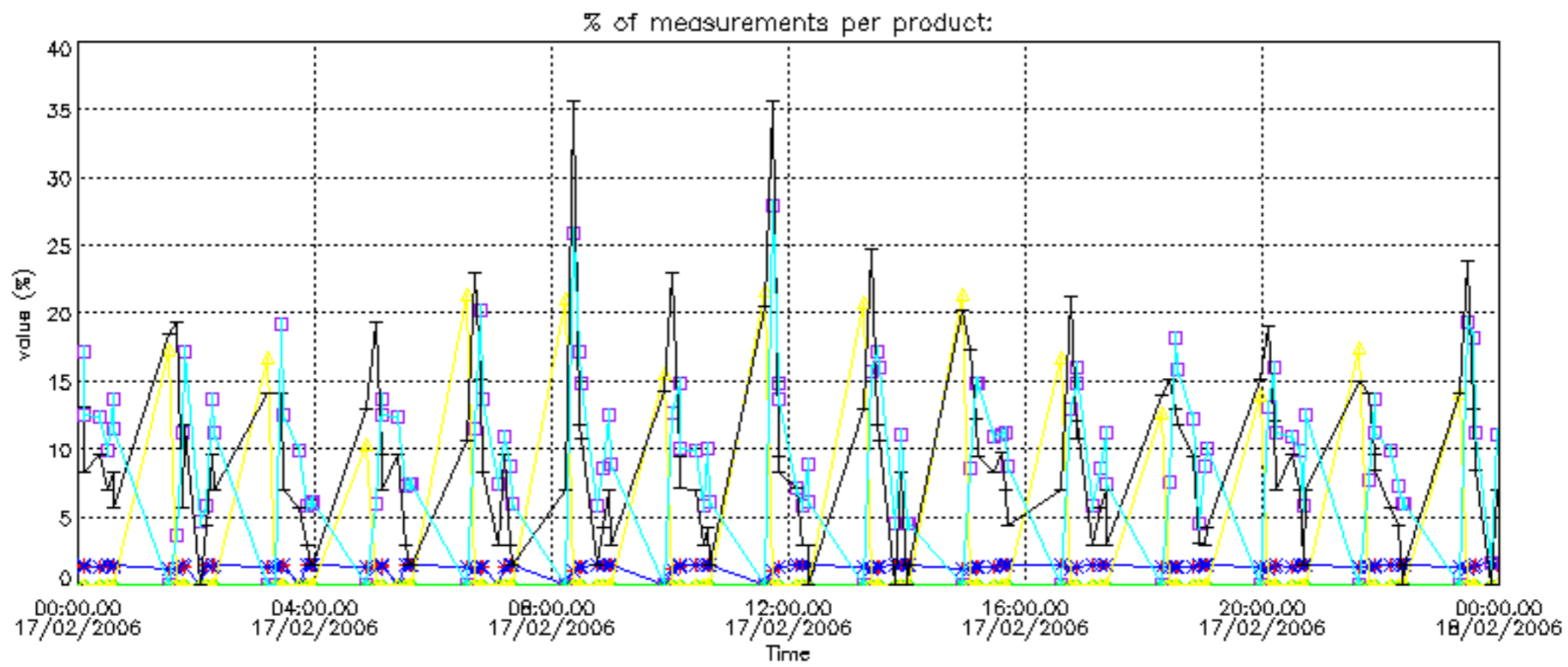
Percentage of flagged data per NO2 profile



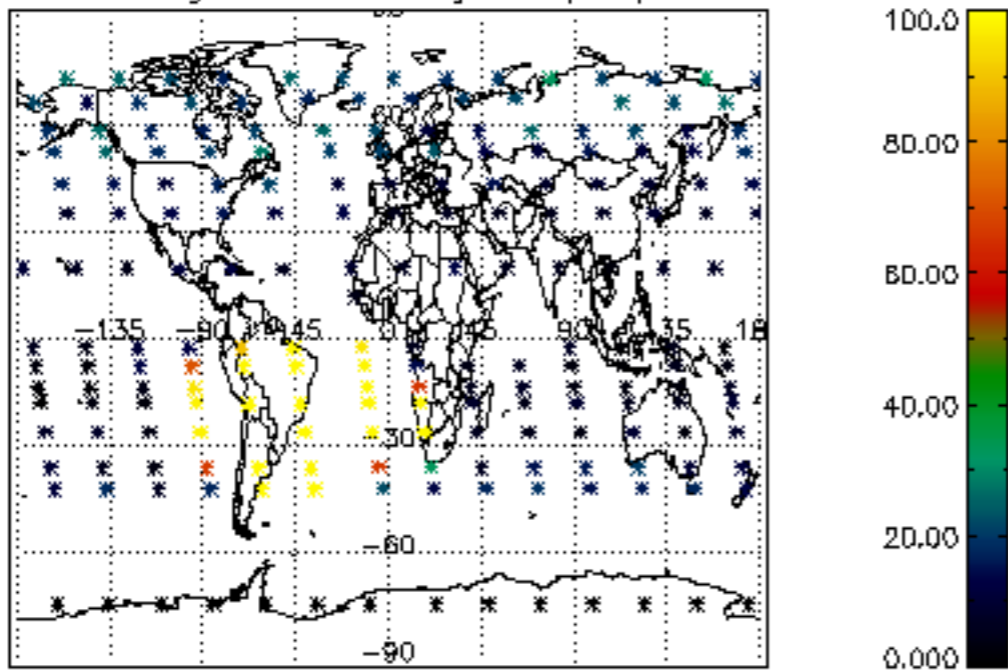
Percentage of flagged data per NO3 profile



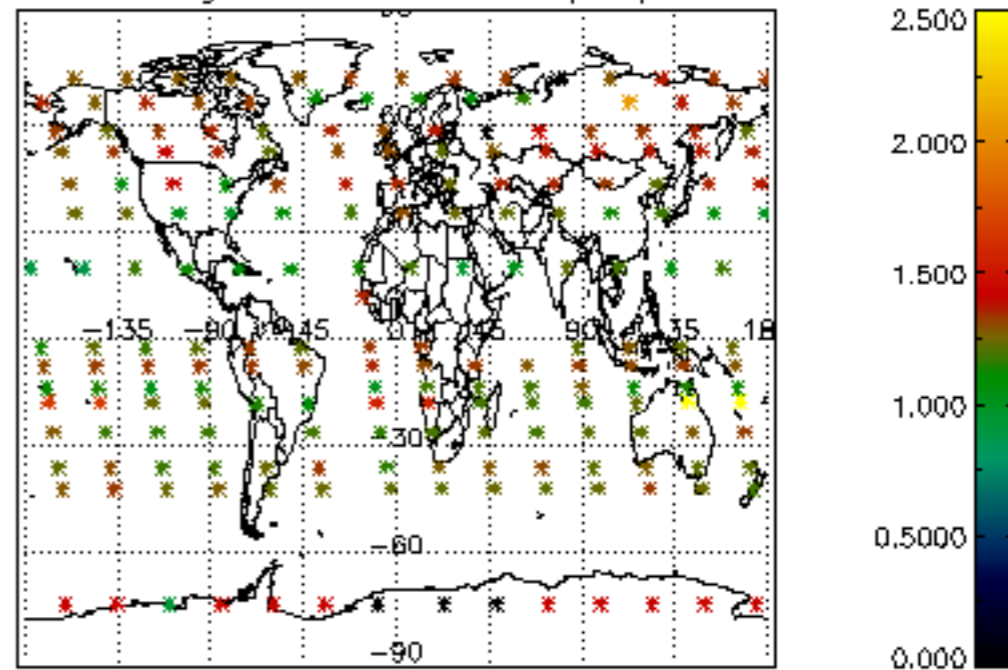




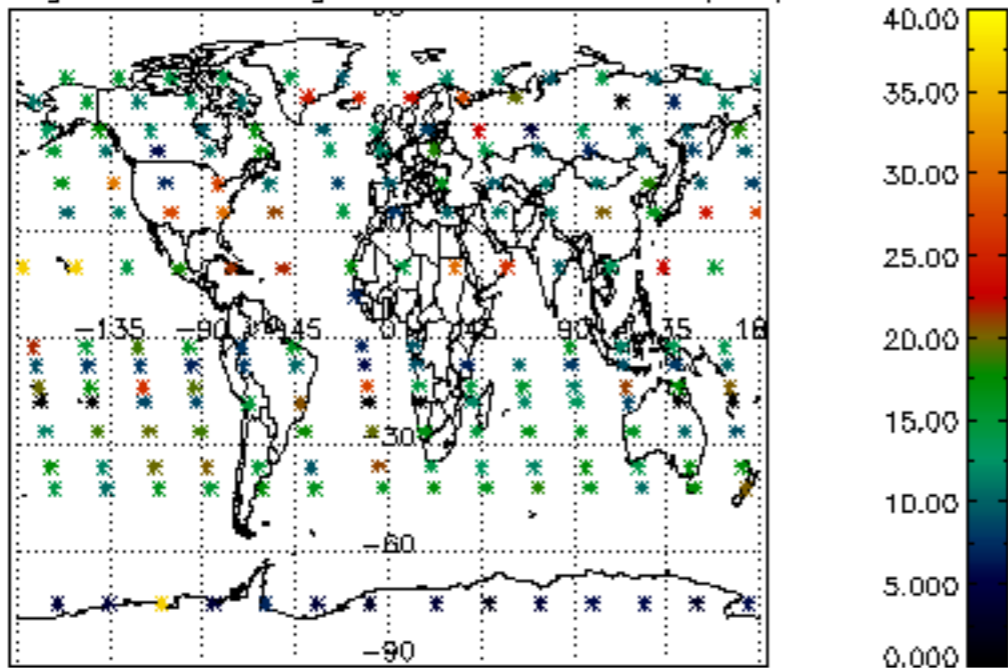
Percentage of cosmic ray hits per profile



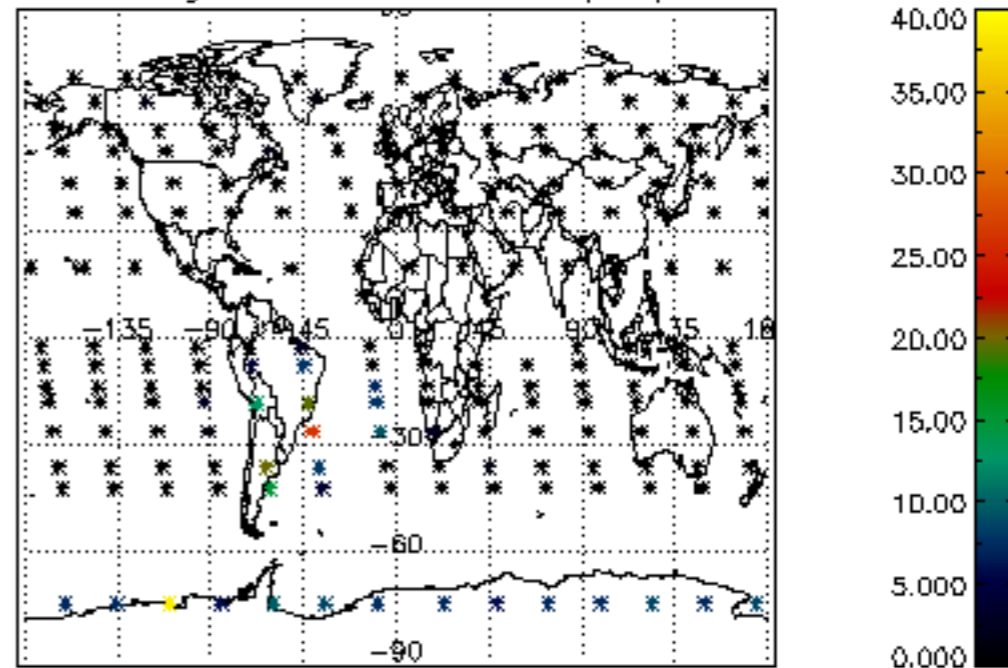
Percentage of datation errors per profile



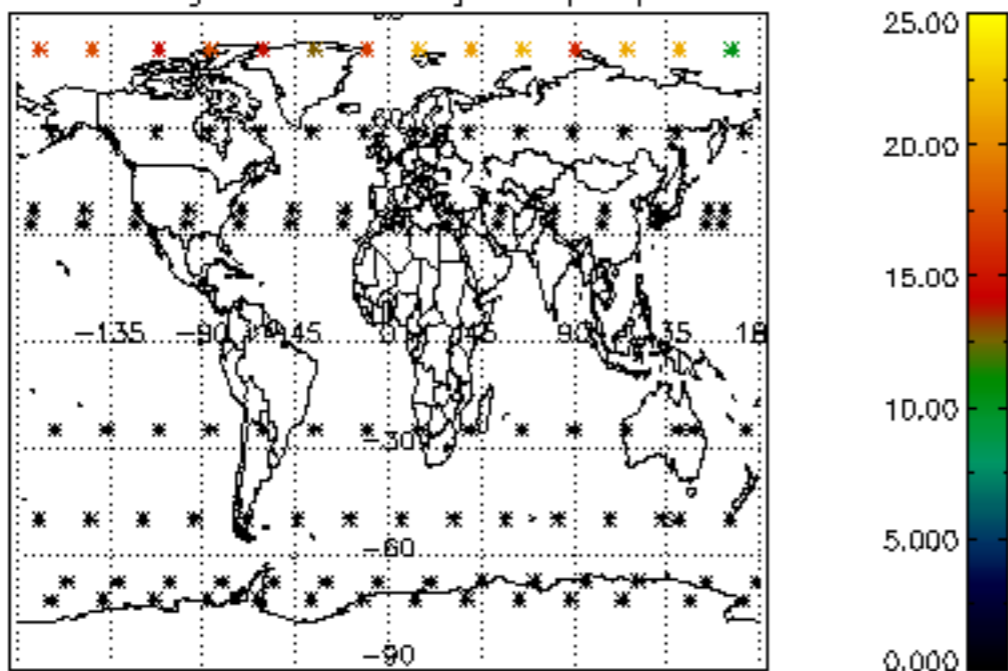
Percentage of star falling outside central band per profile



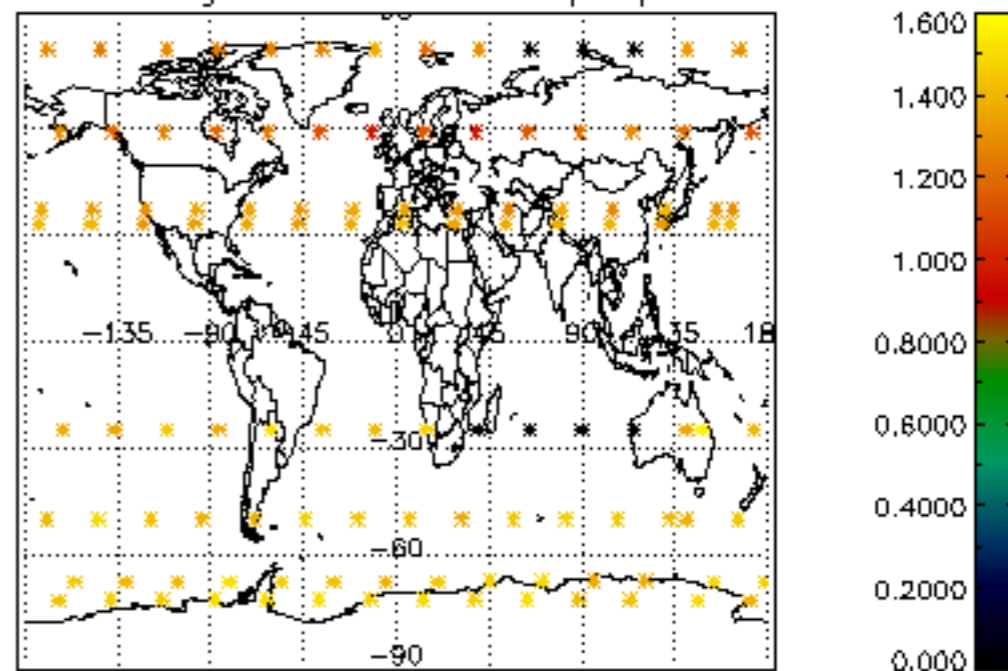
Percentage of saturation errors per profile



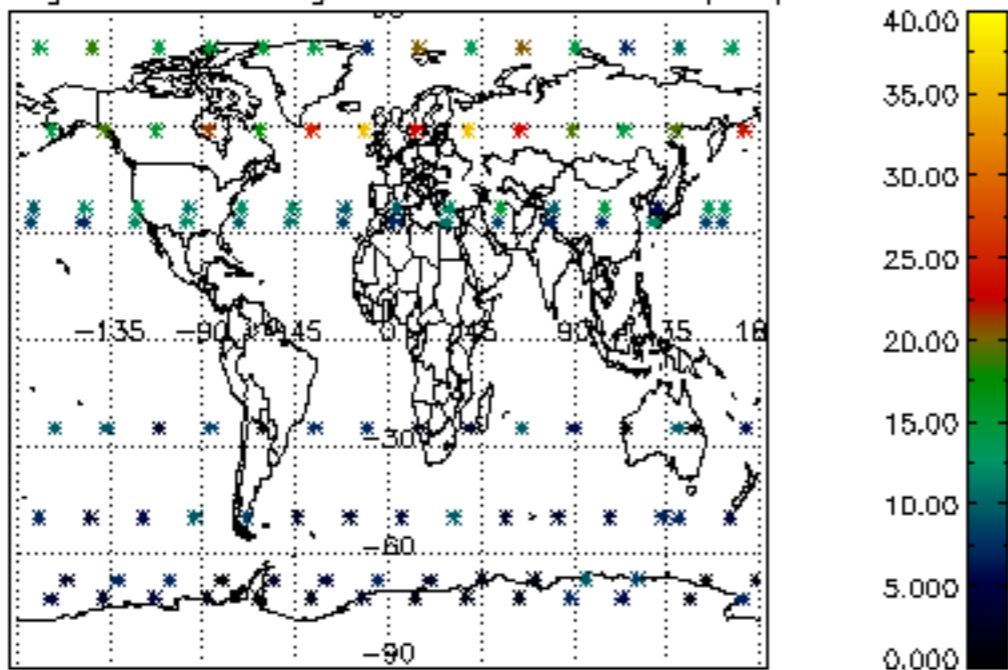
Percentage of cosmic ray hits per profile



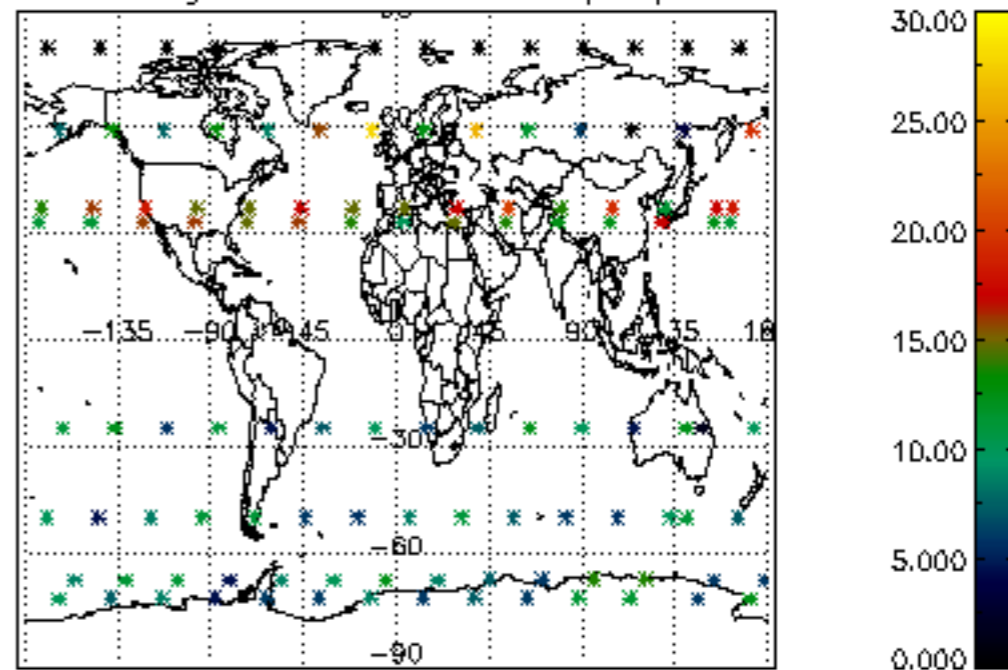
Percentage of datation errors per profile

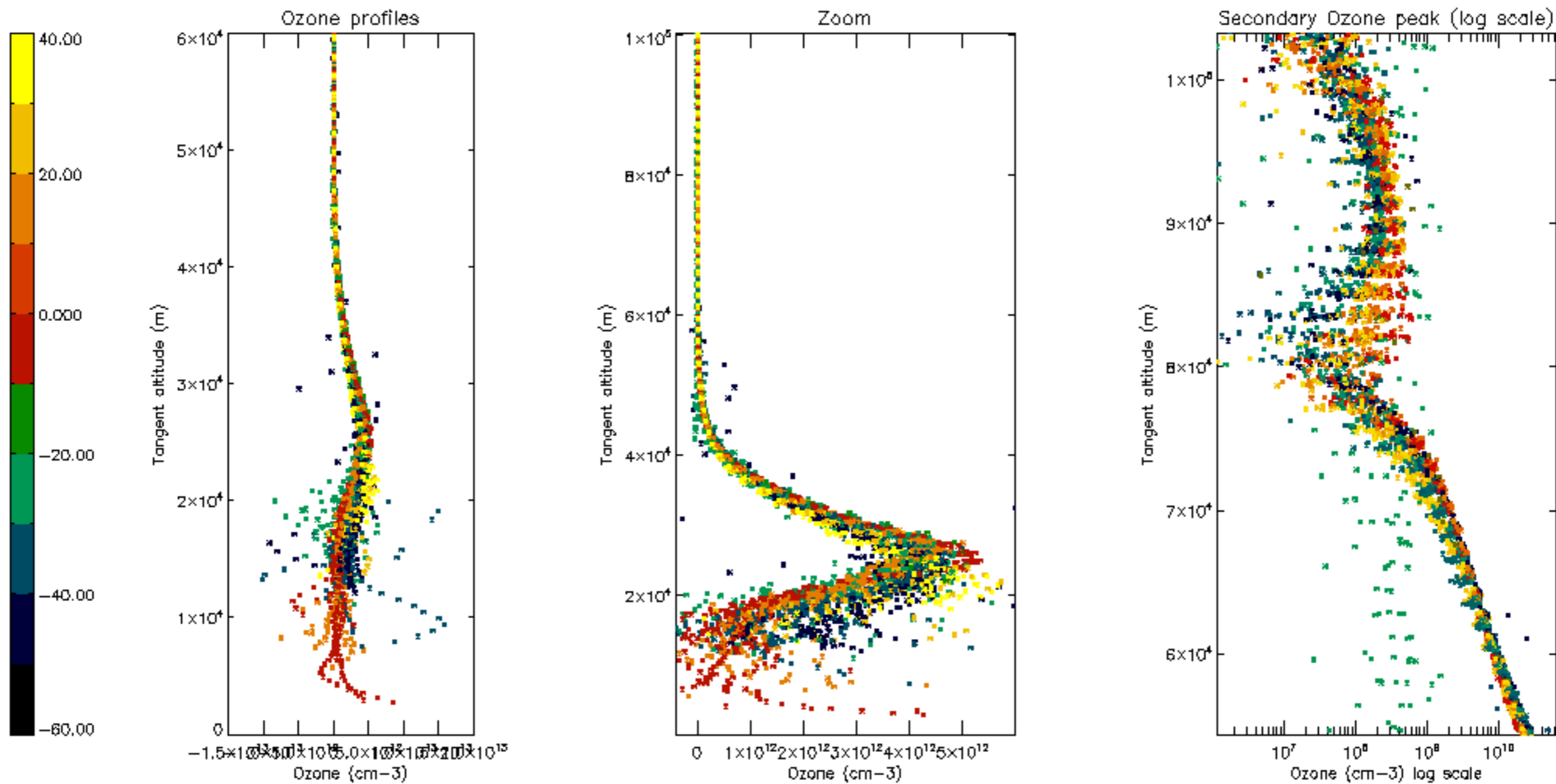


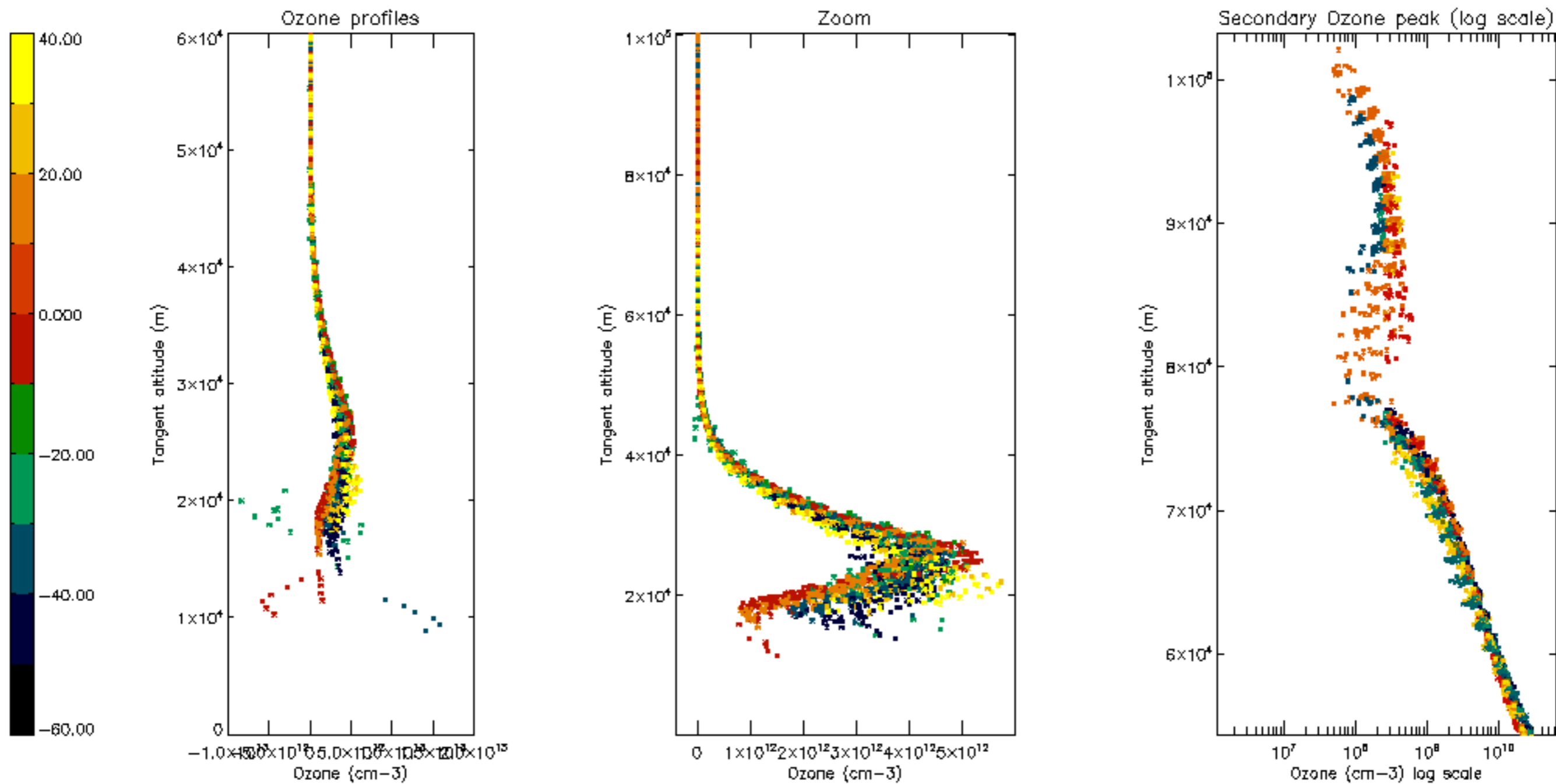
Percentage of star falling outside central band per profile

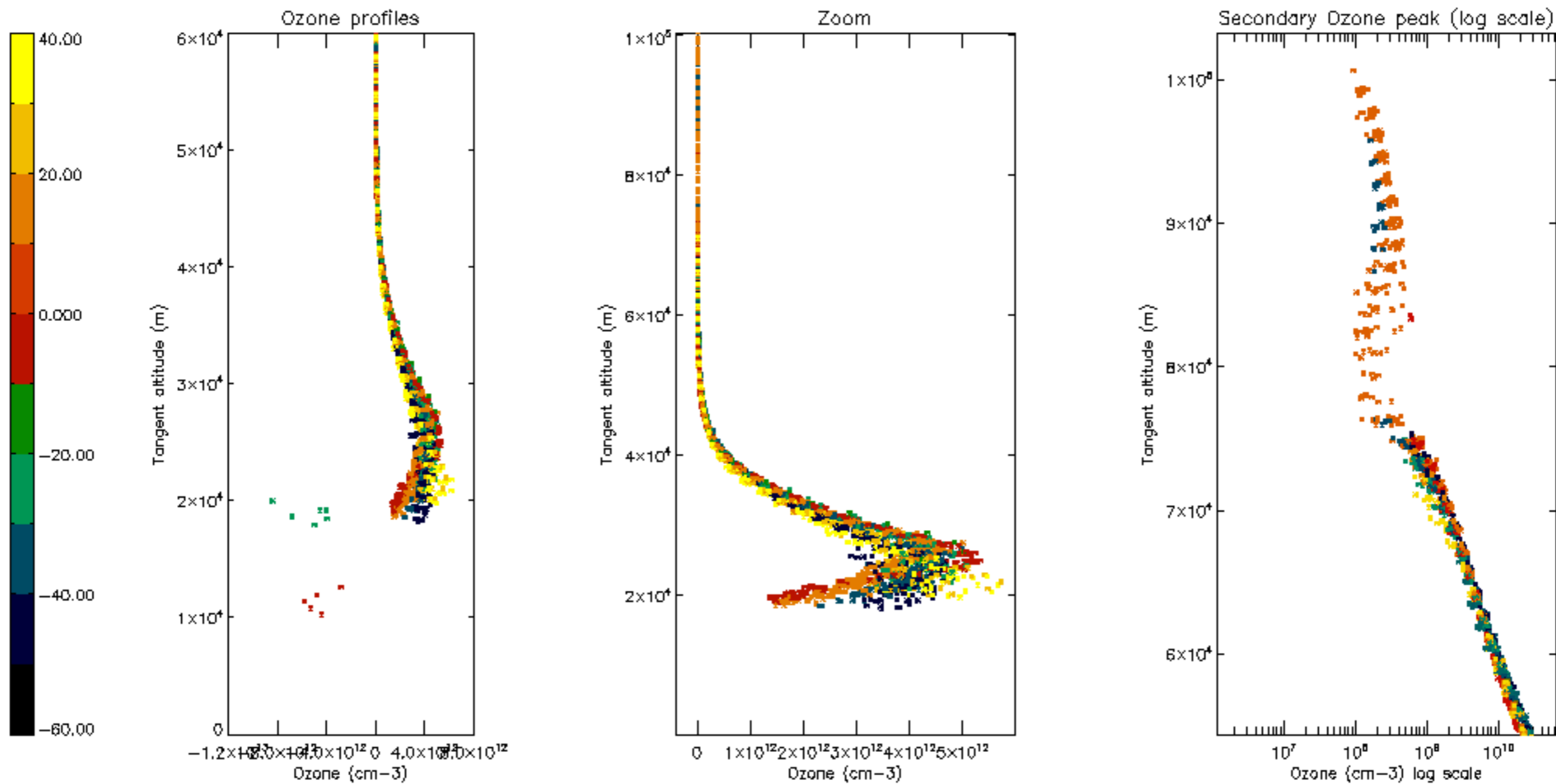


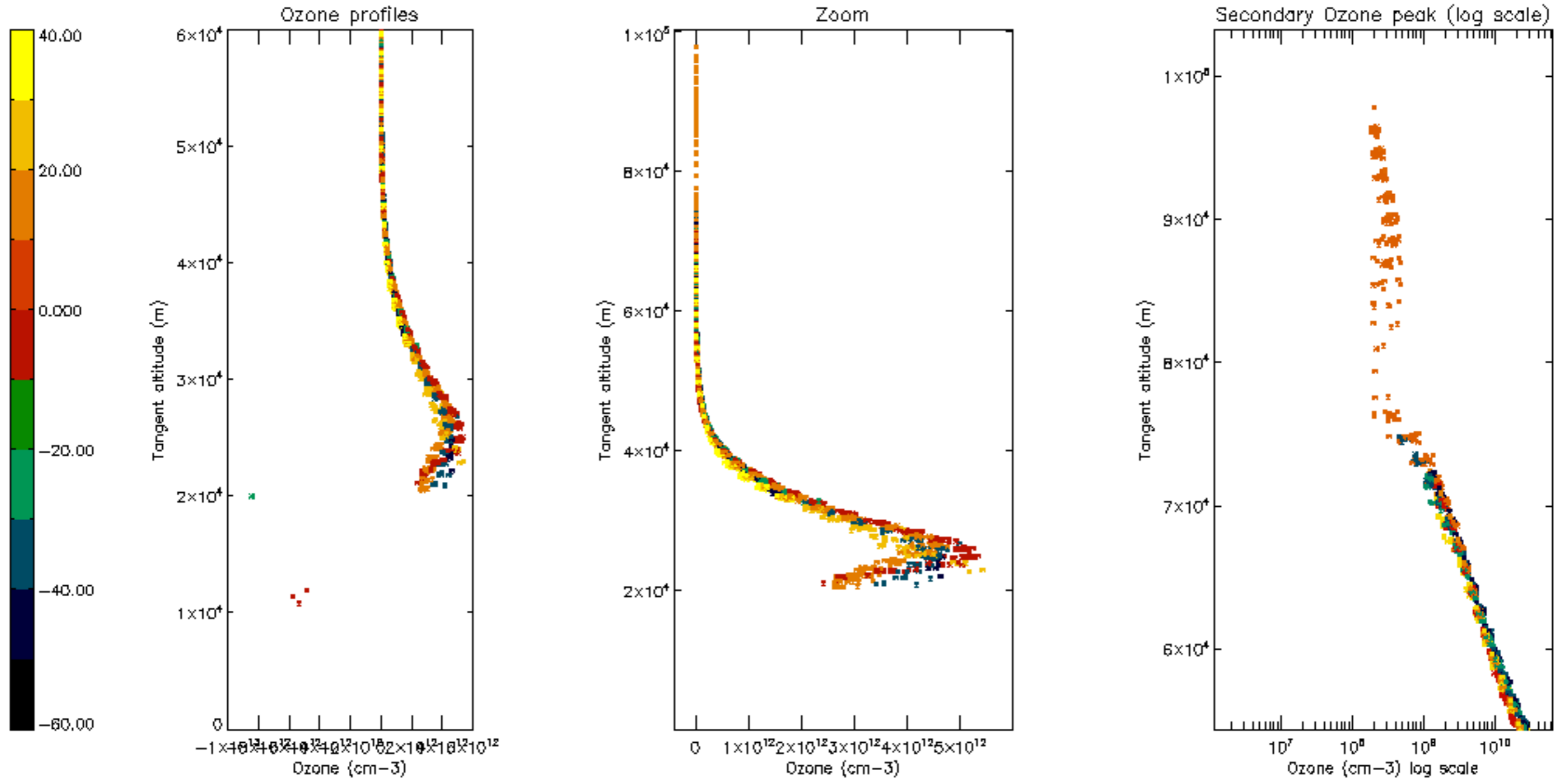
Percentage of saturation errors per profile

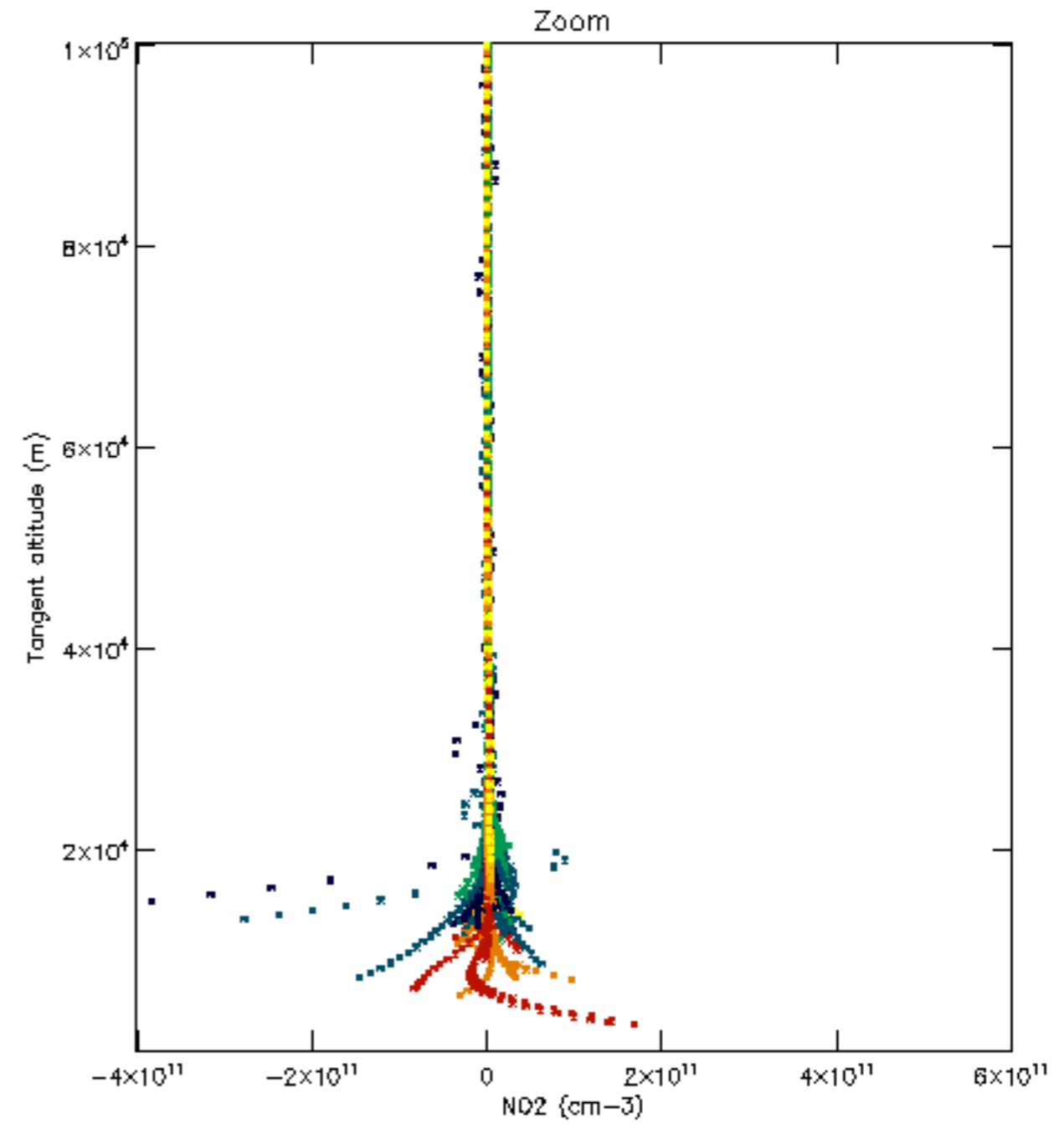
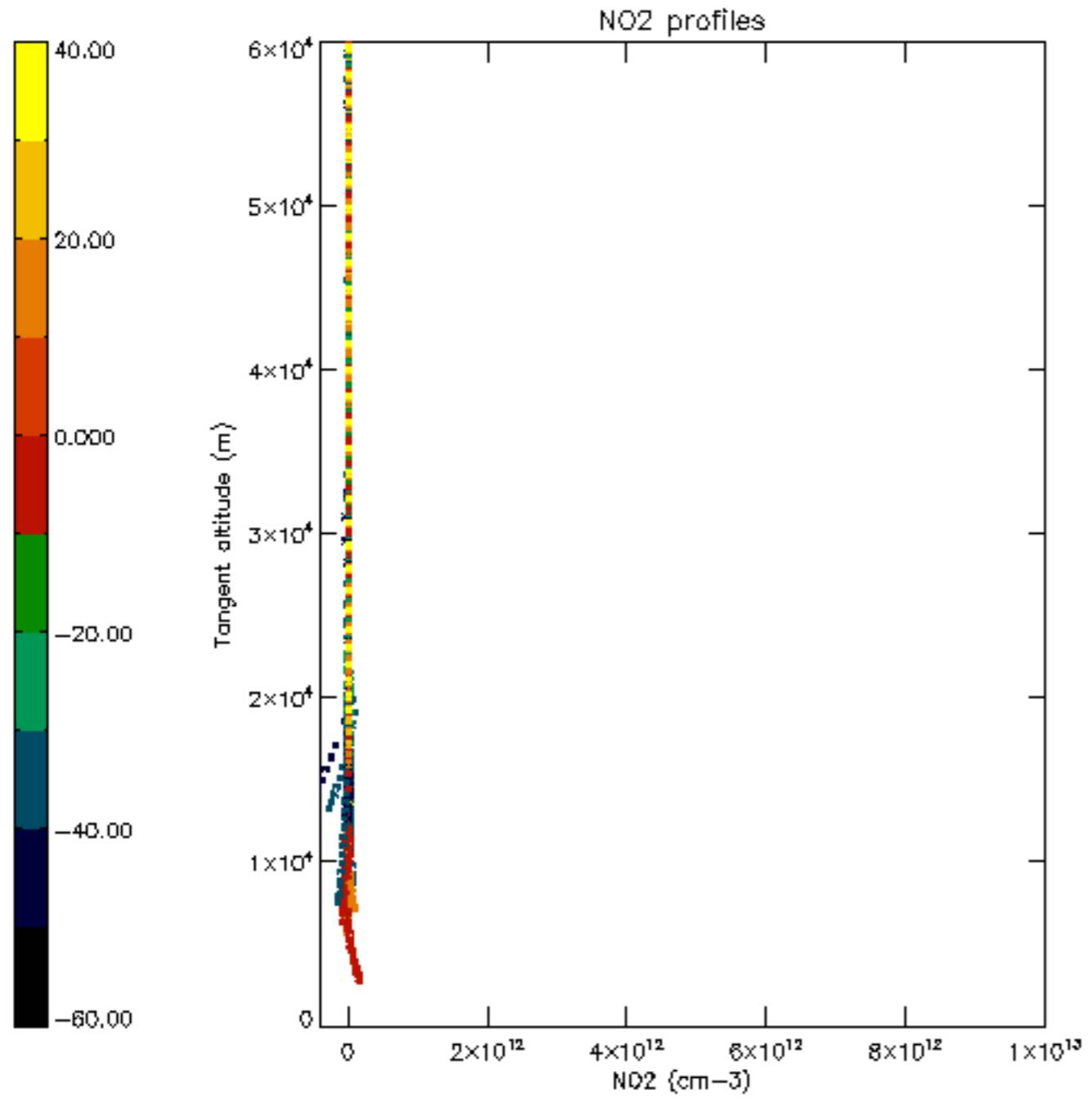


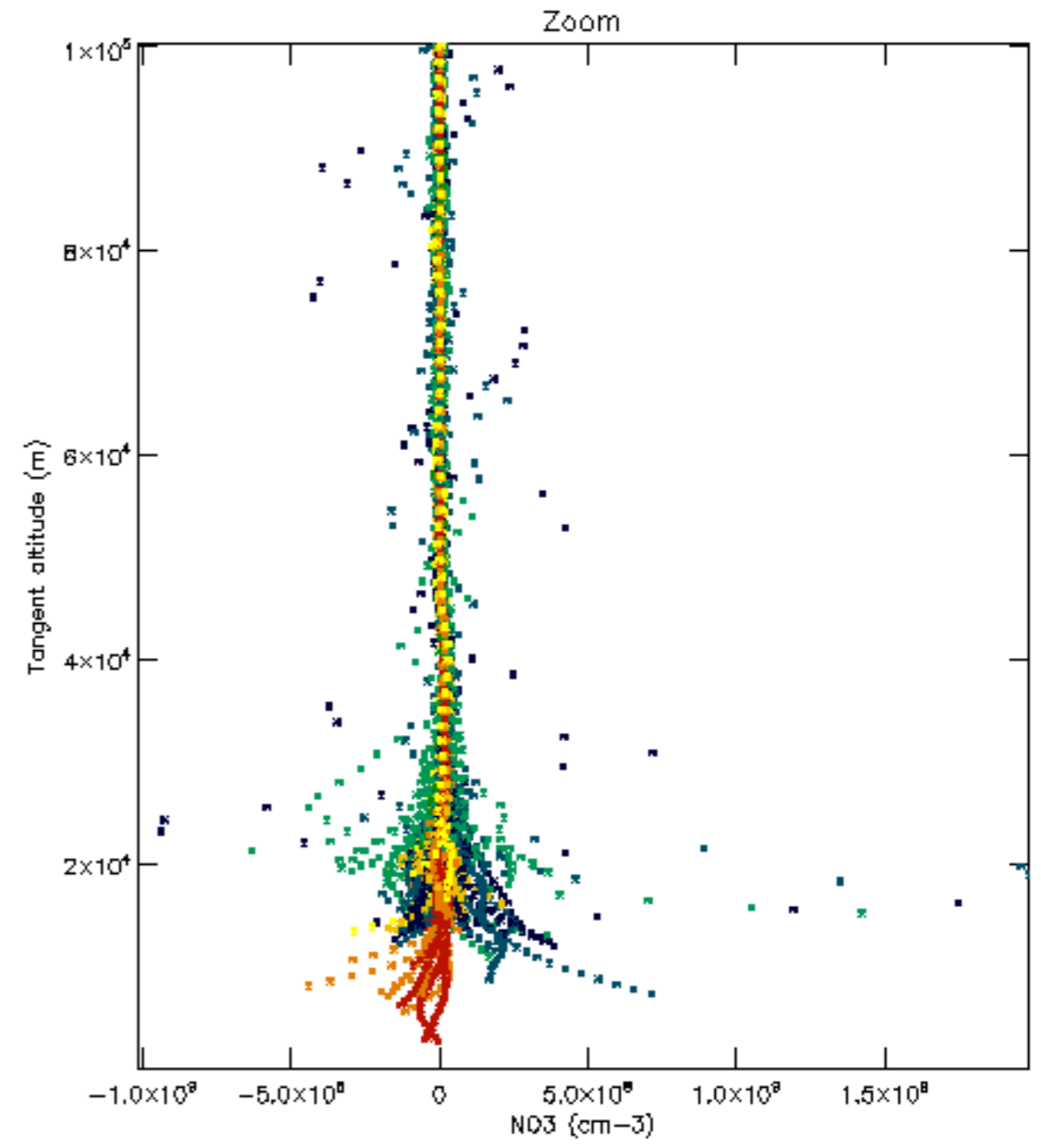
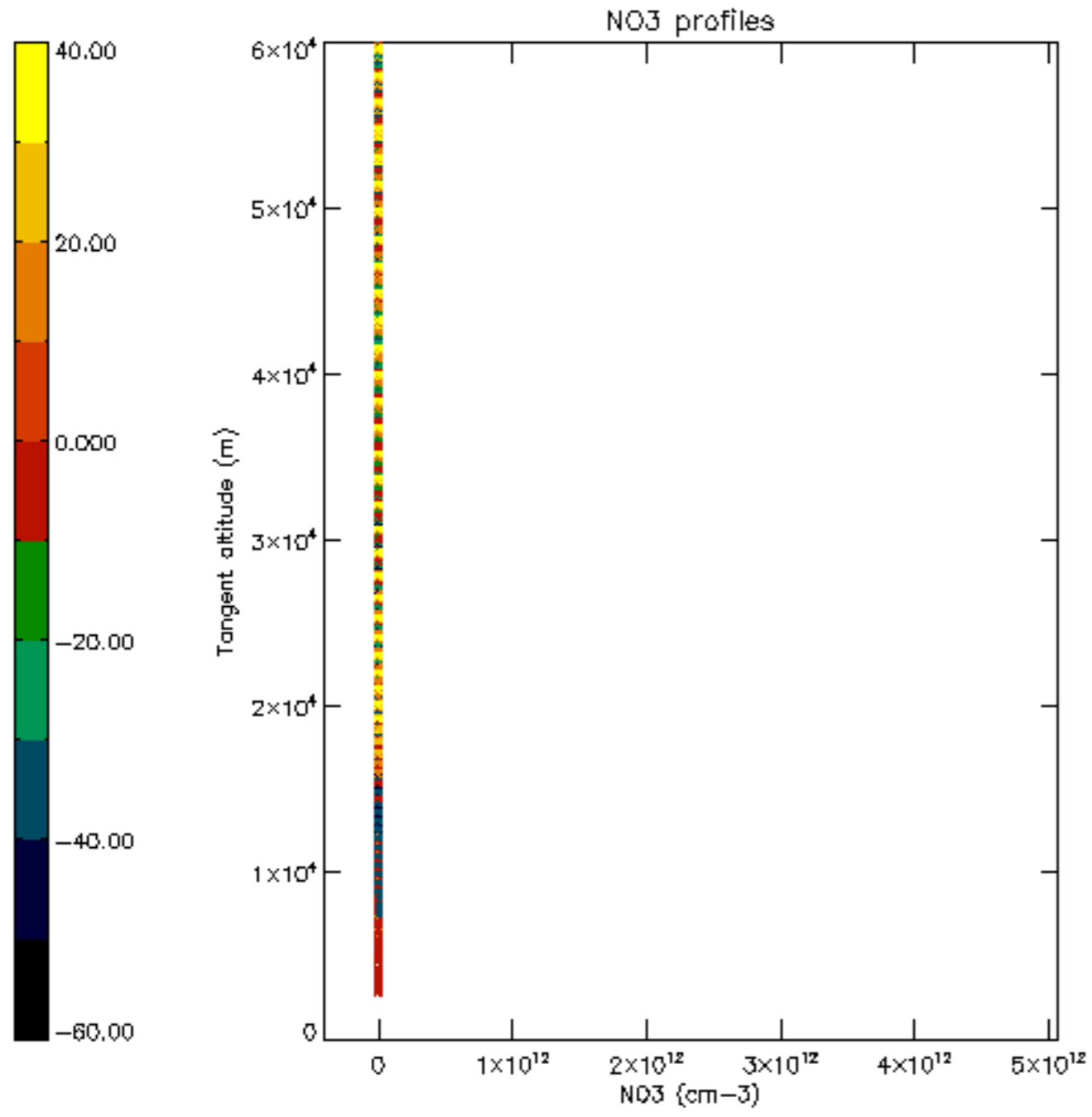


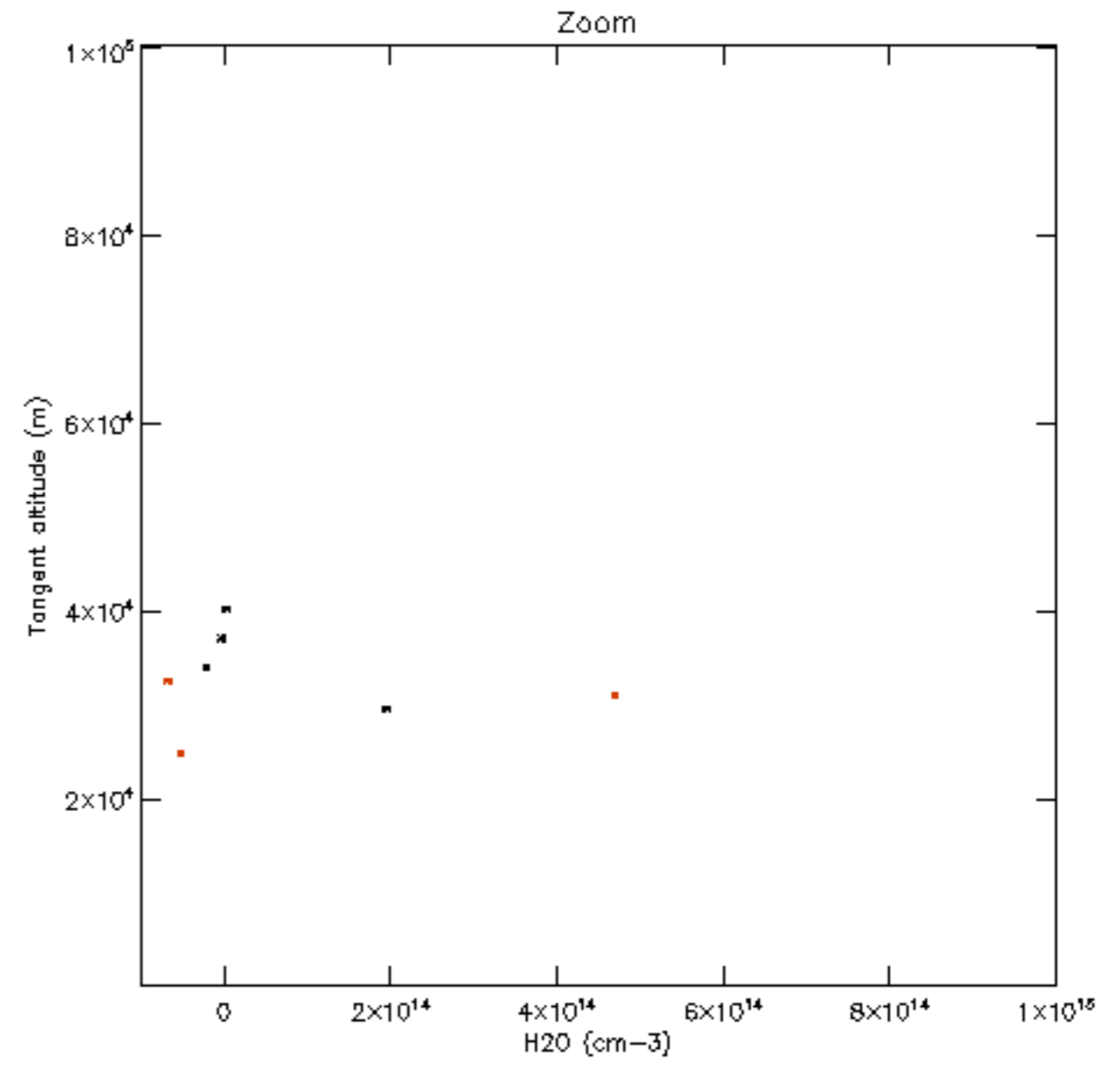
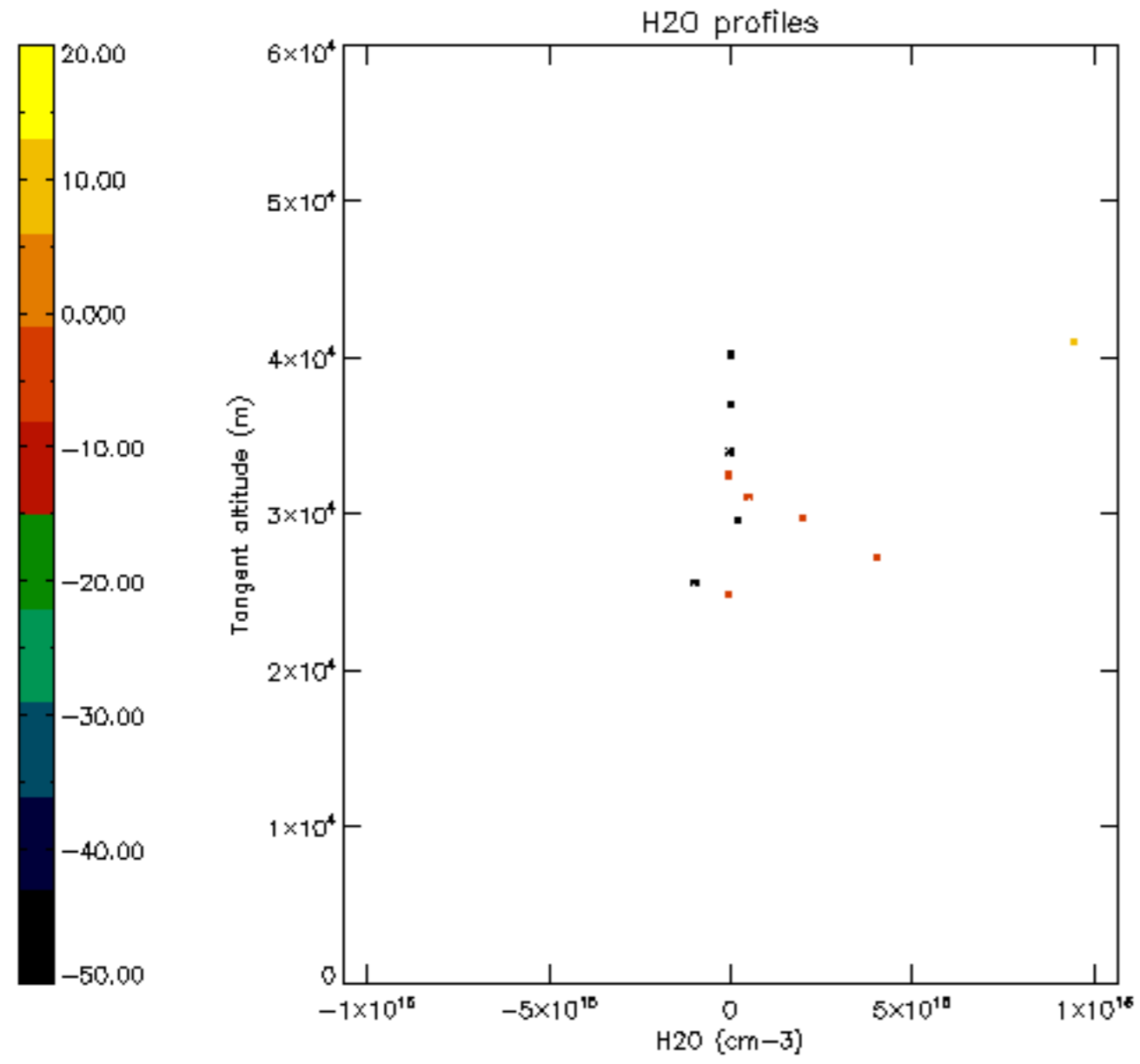


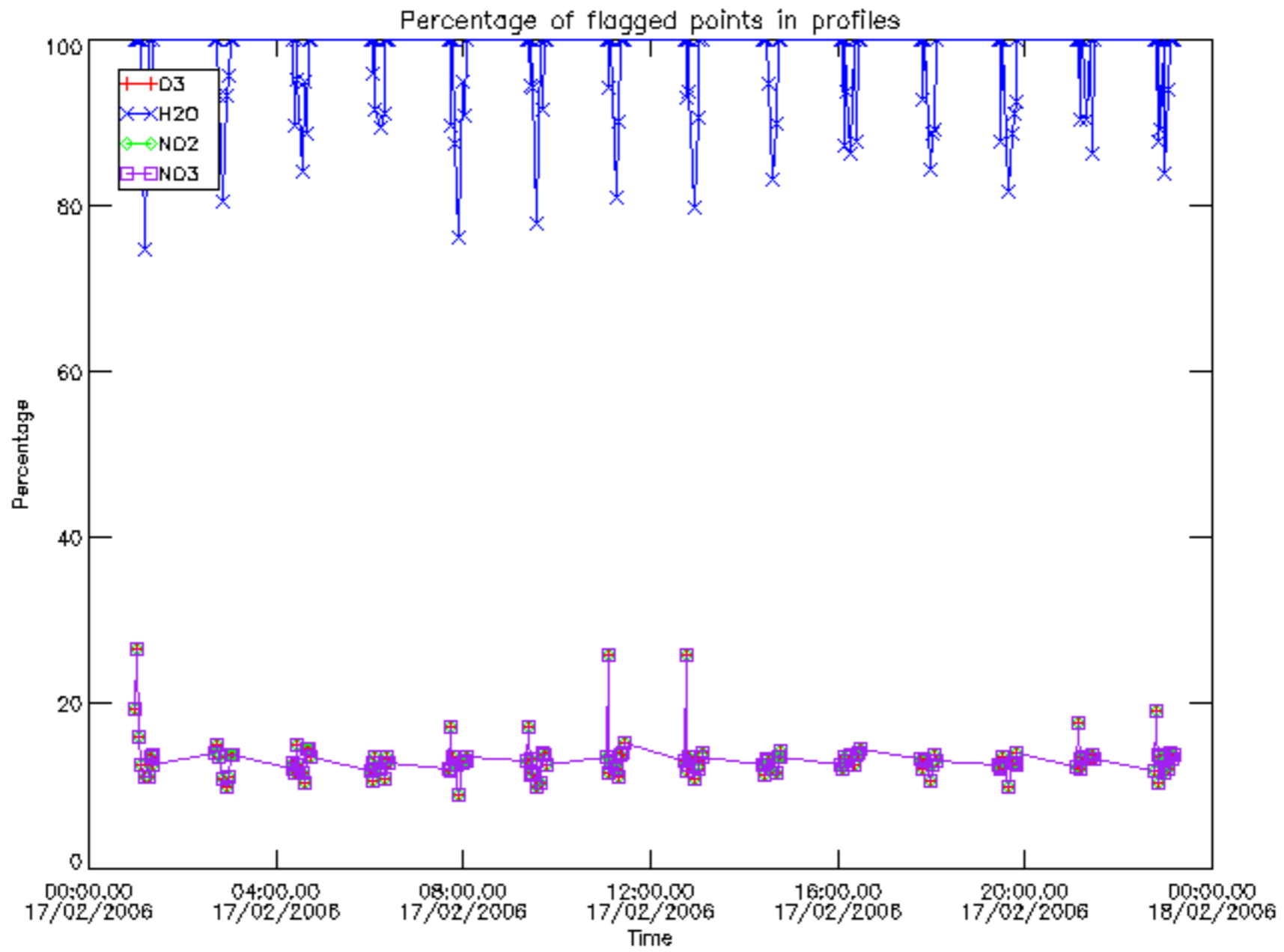




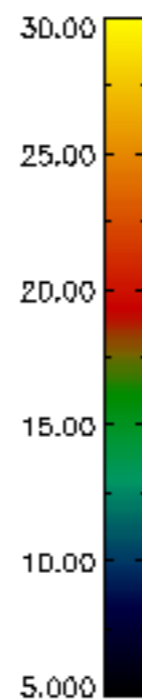
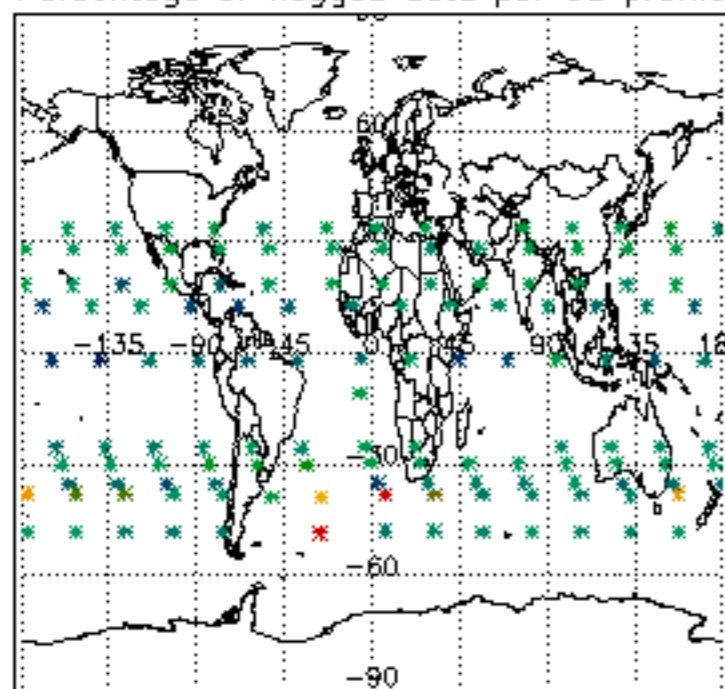




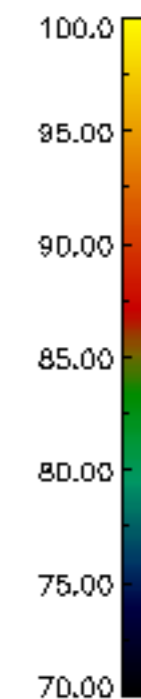
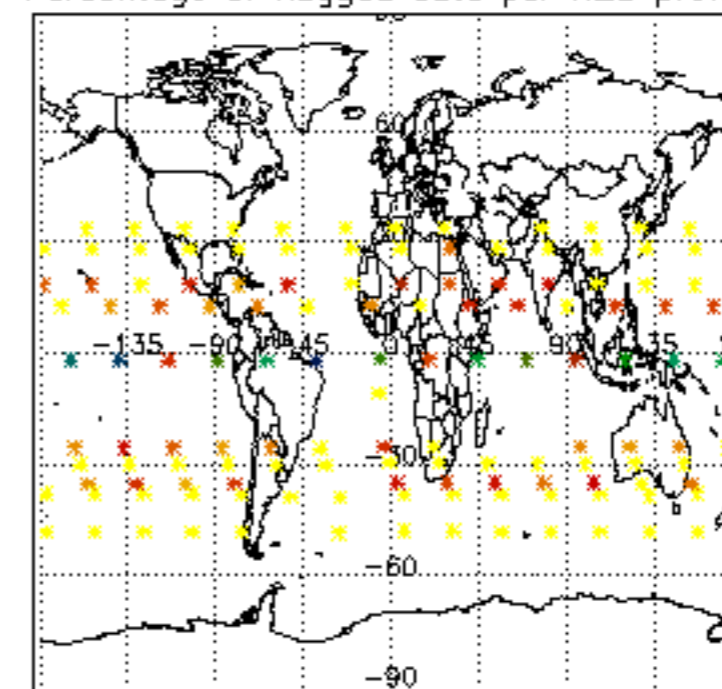




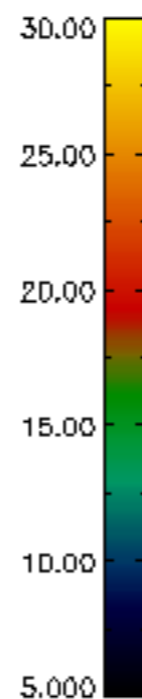
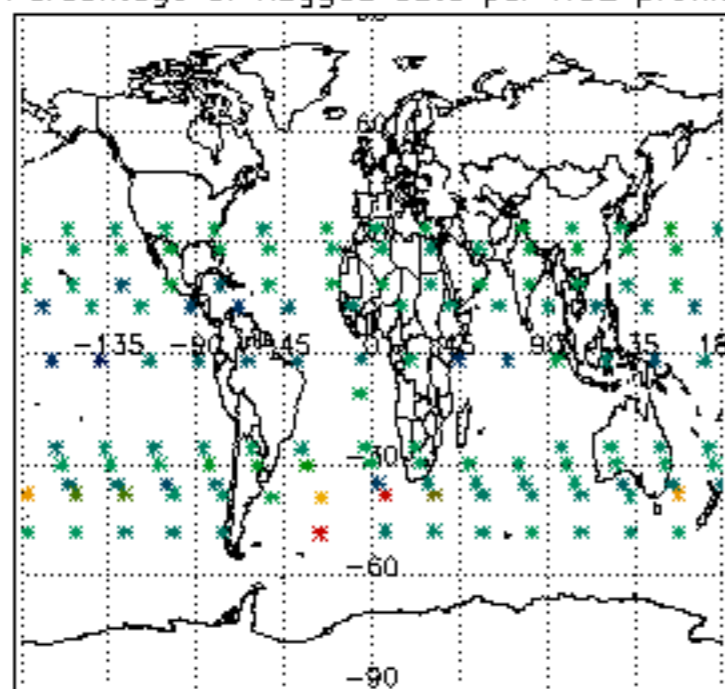
Percentage of flagged data per D3 profile



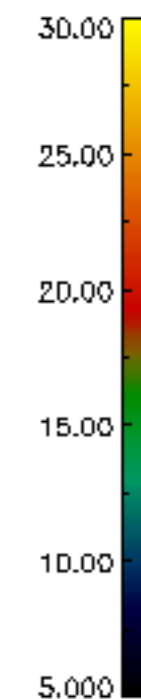
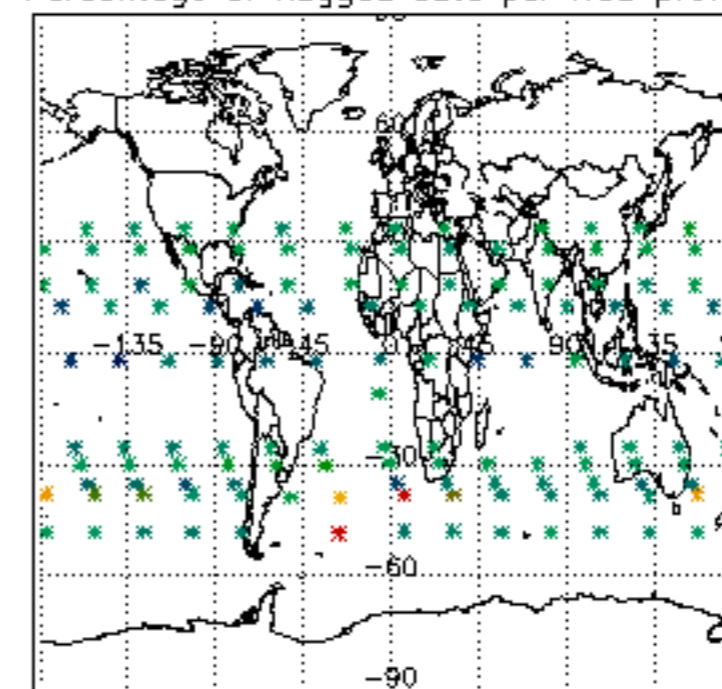
Percentage of flagged data per H2O profile

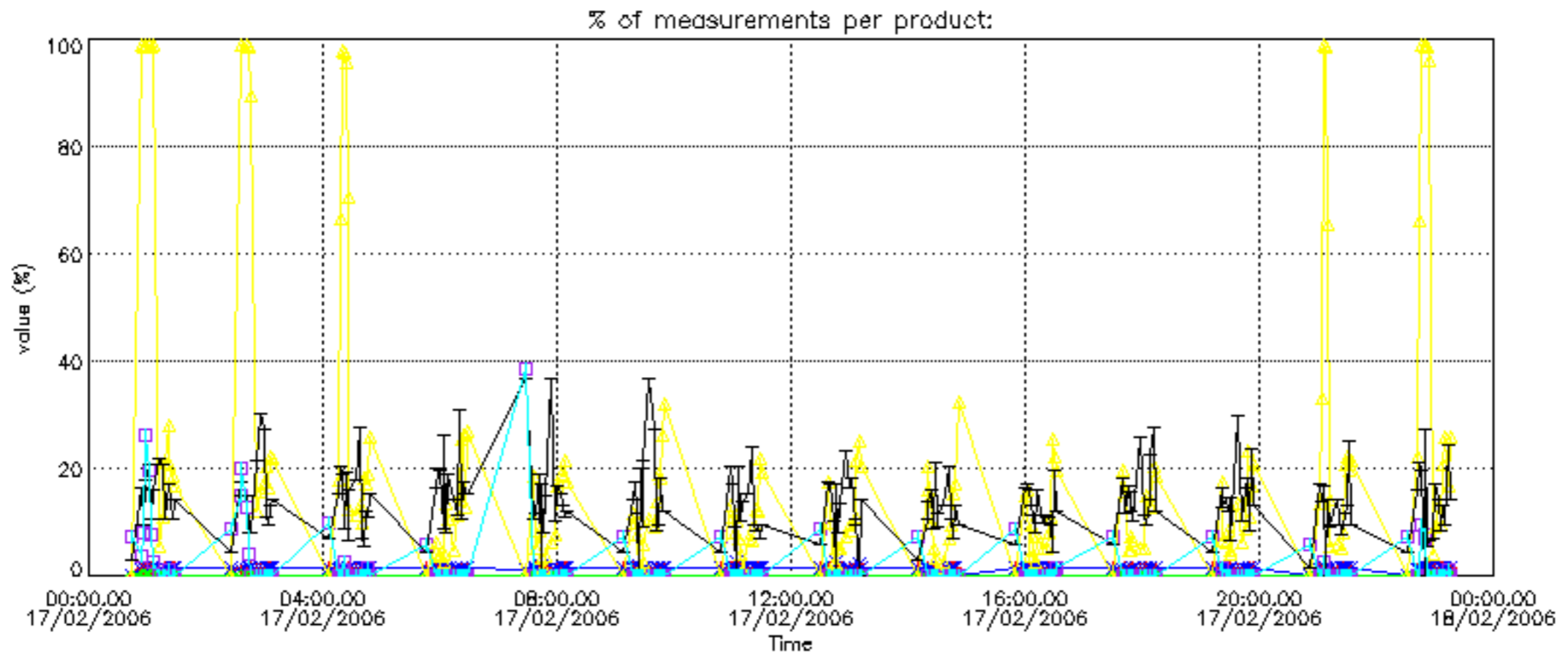


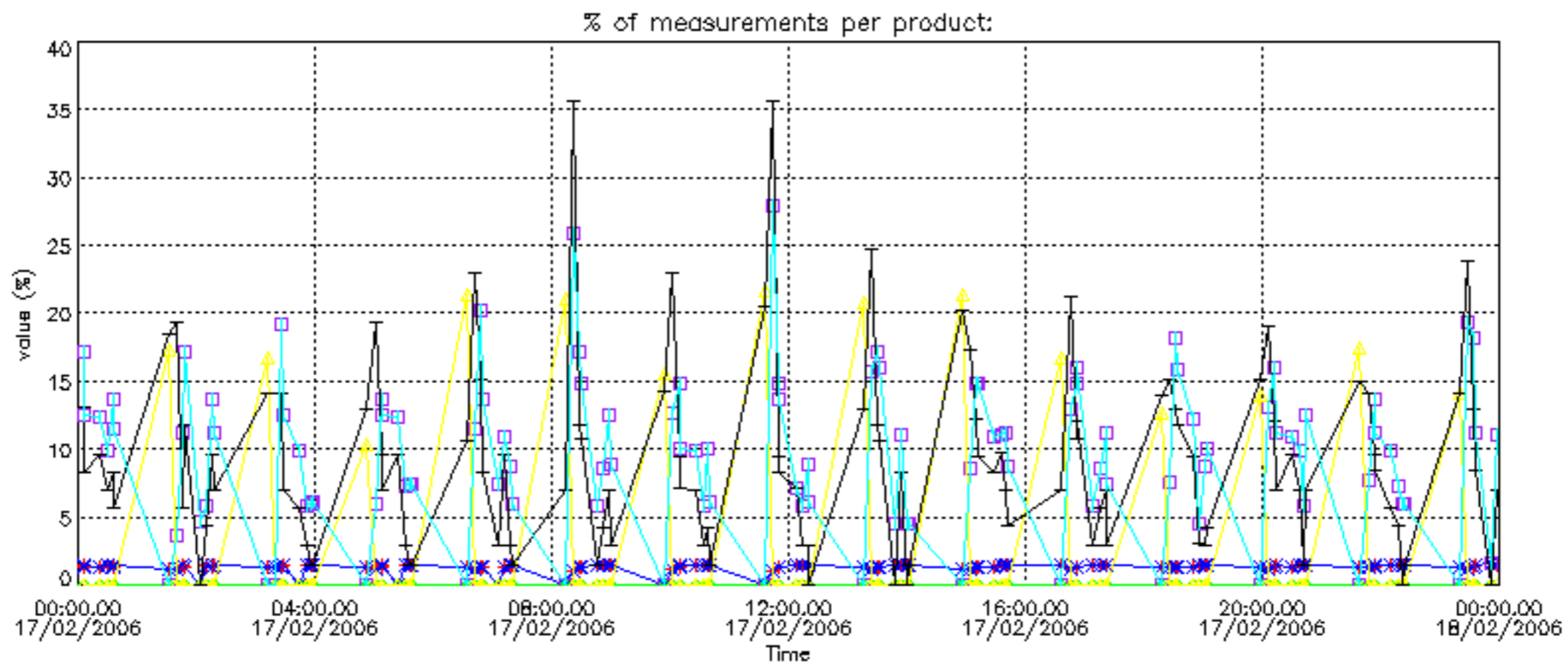
Percentage of flagged data per NO2 profile



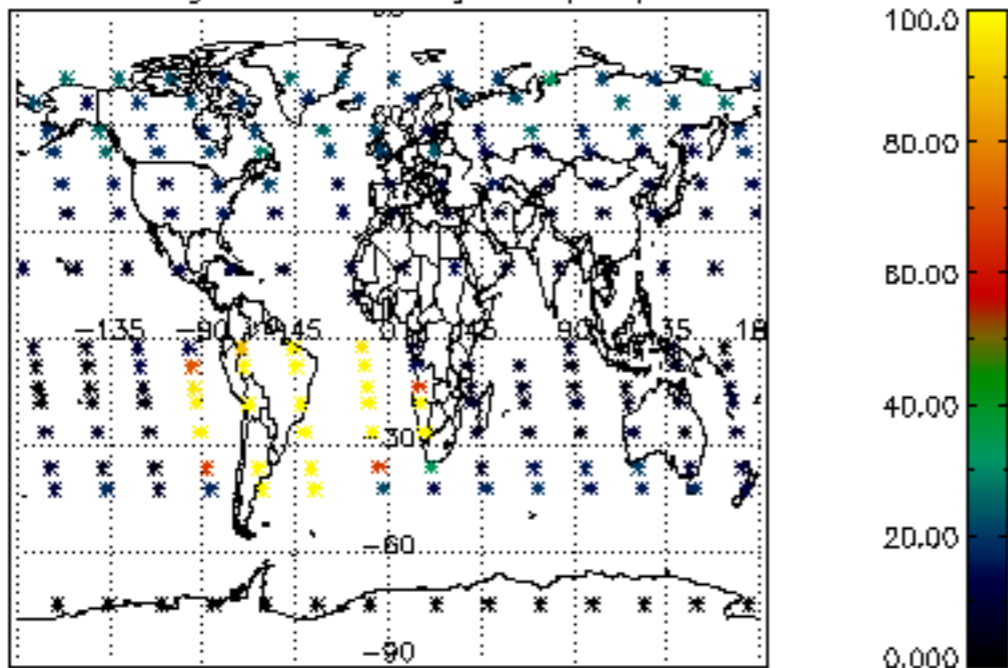
Percentage of flagged data per NO3 profile



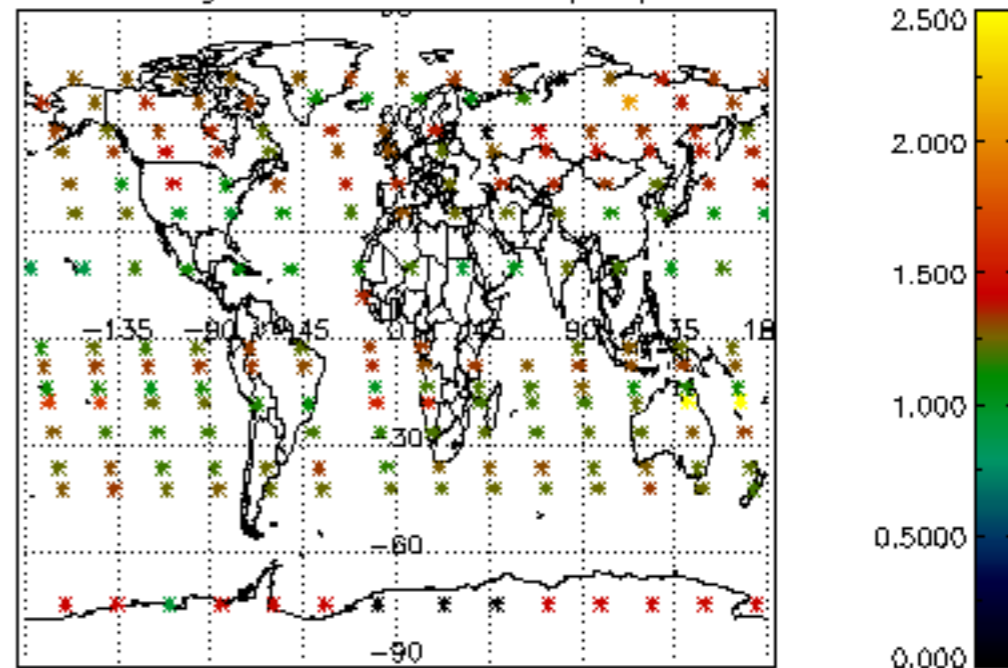




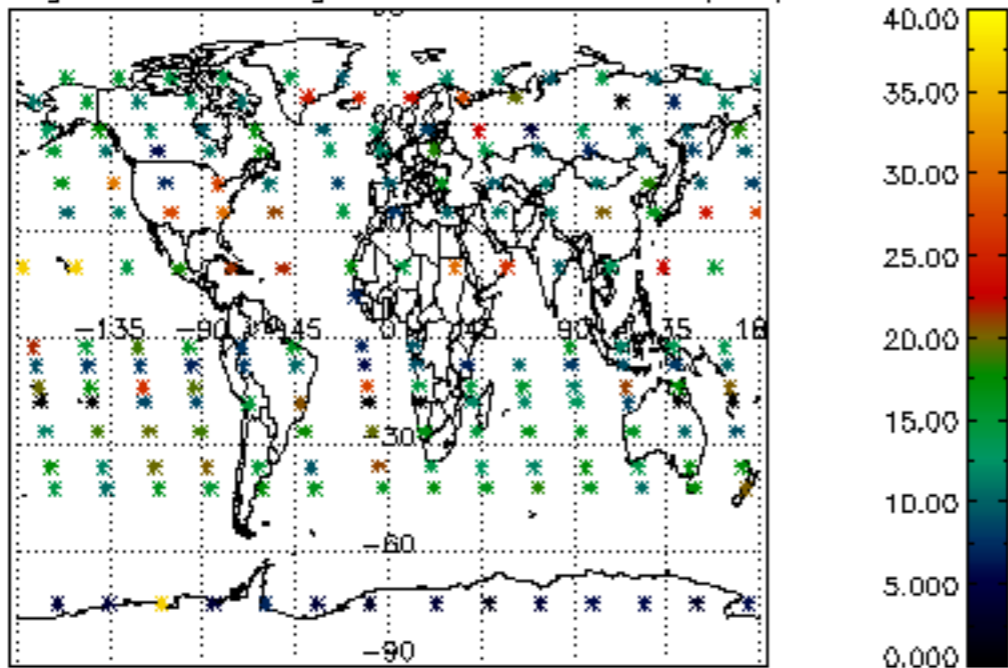
Percentage of cosmic ray hits per profile



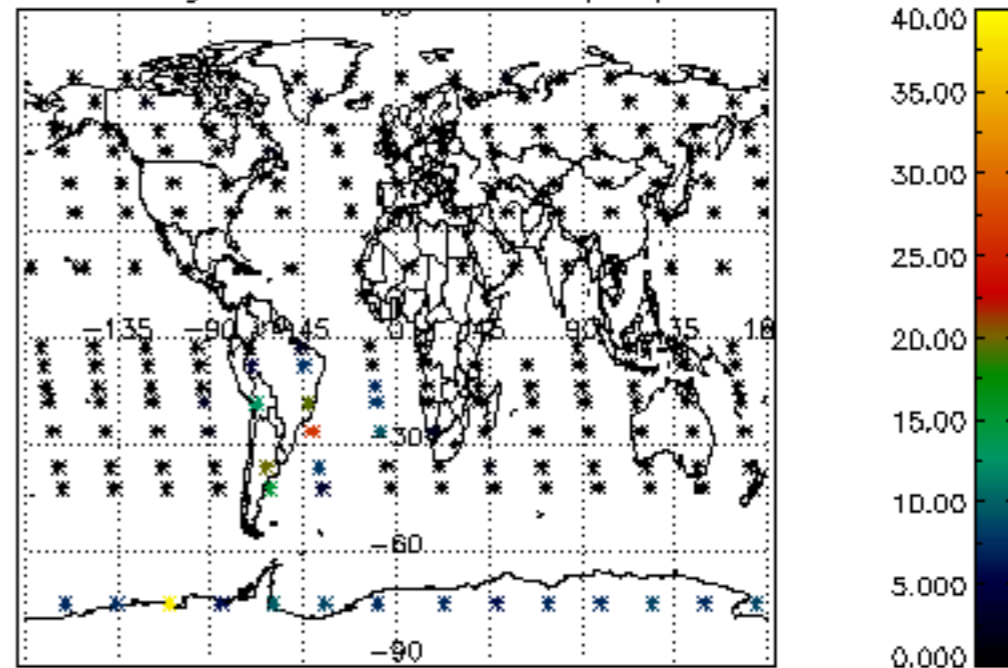
Percentage of datation errors per profile



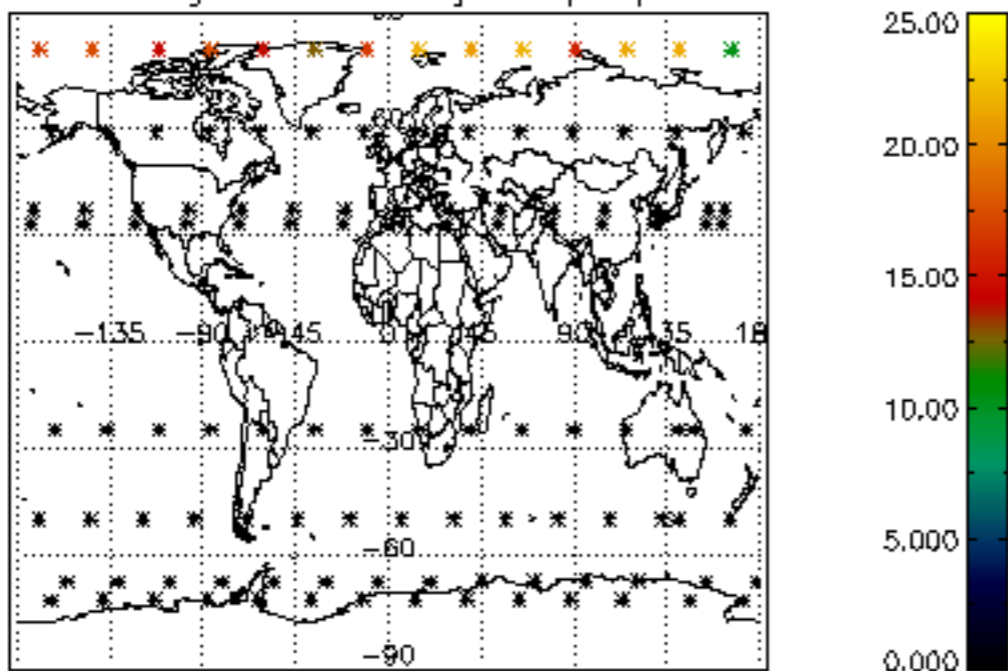
Percentage of star falling outside central band per profile



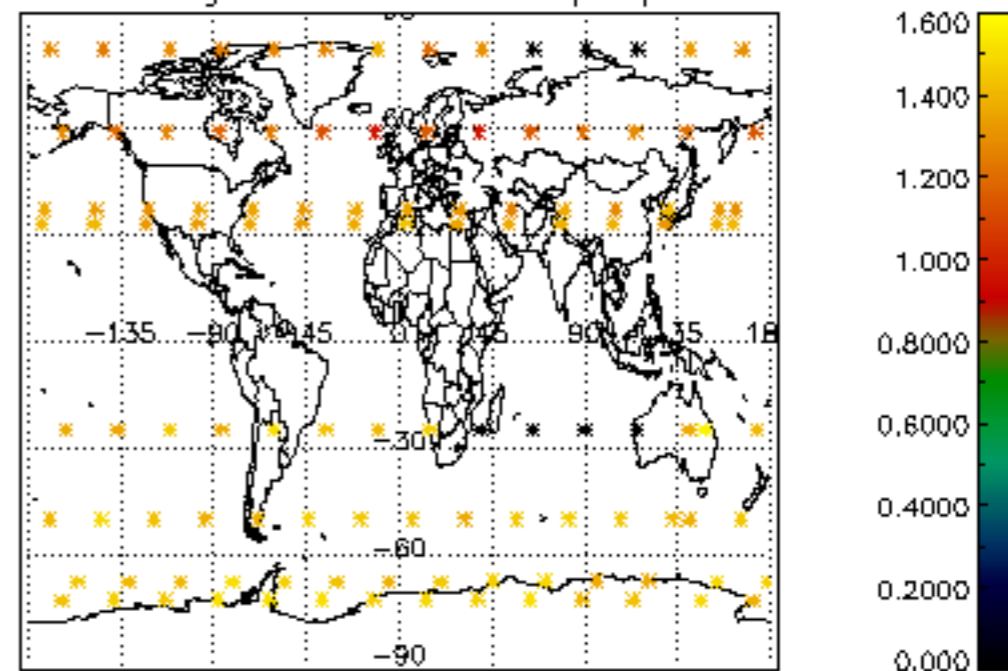
Percentage of saturation errors per profile



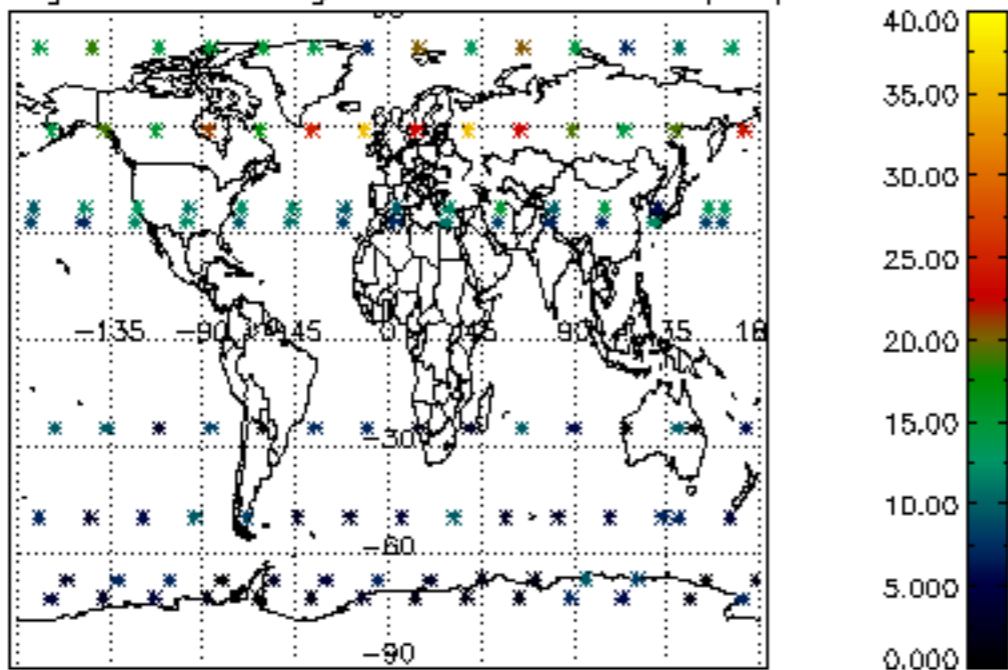
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

