

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 19:11:39
Data source version	GOMOS/6.01
Start time of products	24-08-2008 (24AUG2008 00:00:00)
Stop time of products	25-08-2008 (25AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	330
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

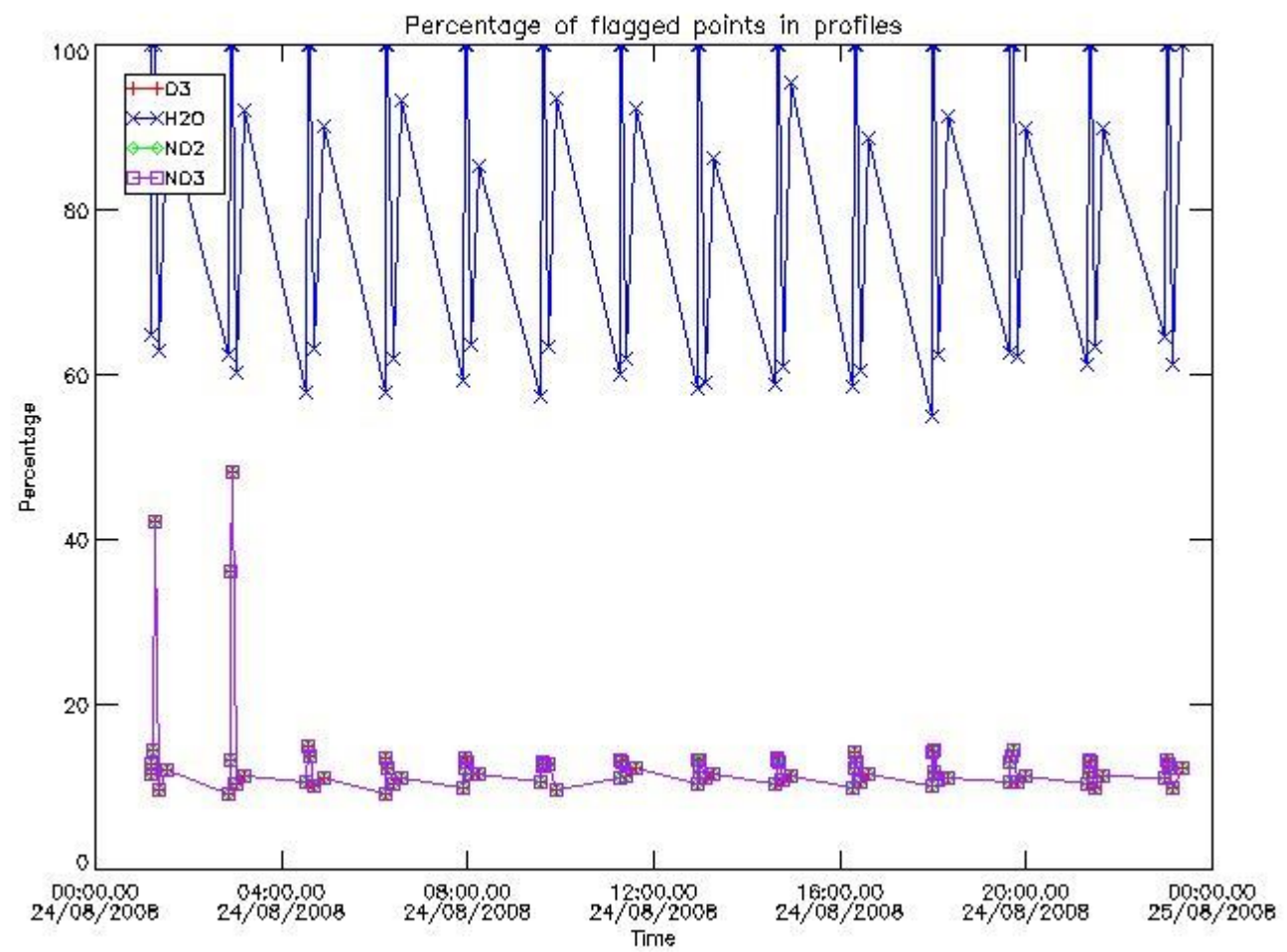
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080824_000032_000000402071_00274_33895_8648.N1	24-AUG-2008 00:00:32	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33895	No
2	GOM_NL__2PRFIN20080824_000434_000000482071_00274_33895_8649.N1	24-AUG-2008 00:04:34	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	33895	No
3	GOM_NL__2PRFIN20080824_000943_000000562071_00274_33895_8650.N1	24-AUG-2008 00:09:43	Bright	55.500	142	49Del Cap	2.8500	8900.0	111	33895	No
4	GOM_NL__2PRFIN20080824_001259_000000402071_00274_33895_8651.N1	24-AUG-2008 00:12:59	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33895	No
5	GOM_NL__2PRFIN20080824_001441_000000432071_00274_33895_8652.N1	24-AUG-2008 00:14:41	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	33895	No
6	GOM_NL__2PRFIN20080824_001745_000000422071_00274_33895_8653.N1	24-AUG-2008 00:17:45	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	33895	No
7	GOM_NL__2PRFIN20080824_002426_000000382071_00274_33895_8654.N1	24-AUG-2008 00:24:26	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	33895	No
8	GOM_NL__2PRFIN20080824_002610_000000372071_00274_33895_8655.N1	24-AUG-2008 00:26:10	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33895	No
9	GOM_NL__2PRFIN20080824_002738_000000342071_00274_33895_8656.N1	24-AUG-2008 00:27:38	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	33895	No
10	GOM_NL__2PRFIN20080824_003249_000000352071_00274_33895_8657.N1	24-AUG-2008 00:32:49	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	33895	No
11	GOM_NL__2PRFIN20080824_004014_000000342071_00274_33895_8658.N1	24-AUG-2008 00:40:14	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	33895	No
12	GOM_NL__2PRFIN20080824_005315_000000432071_00274_33895_8659.N1	24-AUG-2008 00:53:15	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	33895	No
13	GOM_NL__2PRFIN20080824_005655_000000352071_00274_33895_8660.N1	24-AUG-2008 00:56:55	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	33895	No
14	GOM_NL__2PRFIN20080824_010032_000000492071_00274_33895_8661.N1	24-AUG-2008 01:00:32	Twilight	48.500	151	13Mu Gem	2.8900	3000.0	97	33895	No
15	GOM_NL__2PRFIN20080824_010212_000000432071_00274_33895_8662.N1	24-AUG-2008 01:02:12	Twilight	43.000	44	24Gam Gem	1.9280	11000.	86	33895	No
16	GOM_NL__2PRFIN20080824_010342_000000382071_00274_33895_8663.N1	24-AUG-2008 01:03:42	Twilight	38.000	153	3Bet CMi	2.8940	13100.	76	33895	No
17	GOM_NL__2PRFIN20080824_011133_000000452071_00274_33895_8664.N1	24-AUG-2008 01:11:33	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	33895	No
18	GOM_NL__2PRFIN20080824_011301_000000402071_00274_33895_8665.N1	24-AUG-2008 01:13:01	Dark	40.000	179	24Omi2CMa	3.0320	24000.	80	33895	No
19	GOM_NL__2PRFIN20080824_011429_000000432071_00274_33895_8666.N1	24-AUG-2008 01:14:29	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	33895	No
20	GOM_NL__2PRFIN20080824_011550_000000392071_00274_33895_8667.N1	24-AUG-2008 01:15:50	Dark	38.500	177	1Zet CMa	3.0220	26000.	77	33895	No
21	GOM_NL__2PRFIN20080824_012118_000000532071_00274_33895_8668.N1	24-AUG-2008 01:21:18	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	33895	No
22	GOM_NL__2PRFIN20080824_013229_000000432071_00275_33896_8652.N1	24-AUG-2008 01:32:29	Dark	42.500	9	Alp Eri	0.45300	24000.	85	33896	No
23	GOM_NL__2PRFIN20080824_013731_000000412071_00275_33896_8653.N1	24-AUG-2008 01:37:31	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33896	No
24	GOM_NL__2PRFIN20080824_014108_000000432071_00275_33896_8654.N1	24-AUG-2008 01:41:08	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	33896	No
25	GOM_NL__2PRFIN20080824_014510_000000512071_00275_33896_8655.N1	24-AUG-2008 01:45:10	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	33896	No
26	GOM_NL__2PRFIN20080824_015019_000000432071_00275_33896_8656.N1	24-AUG-2008 01:50:19	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	33896	No
27	GOM_NL__2PRFIN20080824_015334_000000402071_00275_33896_8657.N1	24-AUG-2008 01:53:34	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33896	No
28	GOM_NL__2PRFIN20080824_015516_000000432071_00275_33896_8658.N1	24-AUG-2008 01:55:16	Bright	43.000	162	34Alp Aqr	2.9440	5350.0	86	33896	No
29	GOM_NL__2PRFIN20080824_015820_000000422071_00275_33896_8659.N1	24-AUG-2008 01:58:20	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	33896	No
30	GOM_NL__2PRFIN20080824_020501_000000352071_00275_33896_8660.N1	24-AUG-2008 02:05:01	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	33896	No
31	GOM_NL__2PRFIN20080824_020646_000000372071_00275_33896_8661.N1	24-AUG-2008 02:06:46	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33896	No
32	GOM_NL__2PRFIN20080824_020813_000000372071_00275_33896_8662.N1	24-AUG-2008 02:08:13	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	33896	No
33	GOM_NL__2PRFIN20080824_021324_000000352071_00275_33896_8663.N1	24-AUG-2008 02:13:24	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	33896	No
34	GOM_NL__2PRFIN20080824_022050_000000322071_00275_33896_8664.N1	24-AUG-2008 02:20:50	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	33896	No
35	GOM_NL__2PRFIN20080824_023351_000000532071_00275_33896_8665.N1	24-AUG-2008 02:33:51	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	33896	No
36	GOM_NL__2PRFIN20080824_023731_000000342071_00275_33896_8666.N1	24-AUG-2008 02:37:31	Bright	34.000	24	66Alp Gem	1.5800	10200.	68	33896	No
37	GOM_NL__2PRFIN20080824_024109_000000562071_00275_33896_8667.N1	24-AUG-2008 02:41:09	Twilight	55.500	151	13Mu Gem	2.8900	3000.0	111	33896	No
38	GOM_NL__2PRFIN20080824_024248_000000432071_00275_33896_8668.N1	24-AUG-2008 02:42:48	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	33896	No
39	GOM_NL__2PRFIN20080824_024418_000000382071_00275_33896_8669.N1	24-AUG-2008 02:44:18	Twilight	38.000	153	3Bet CMi	2.8940	13100.	76	33896	No
40	GOM_NL__2PRFIN20080824_025209_000000552071_00275_33896_8670.N1	24-AUG-2008 02:52:09	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	33896	No
41	GOM_NL__2PRFIN20080824_025337_000000392071_00275_33896_8671.N1	24-AUG-2008 02:53:37	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33896	No
42	GOM_NL__2PRFIN20080824_025505_000000422071_00275_33896_8672.N1	24-AUG-2008 02:55:05	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	33896	No

279	GOM_NL_2PRFIN20080824_202010_000000392071_00286_33907_8743.N1	24-AUG-2008 20:20:10	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	33907	No
280	GOM_NL_2PRFIN20080824_202151_000000422071_00286_33907_8744.N1	24-AUG-2008 20:21:51	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	33907	No
281	GOM_NL_2PRFIN20080824_202454_000000412071_00286_33907_8745.N1	24-AUG-2008 20:24:54	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	33907	No
282	GOM_NL_2PRFIN20080824_203136_000000382071_00286_33907_8746.N1	24-AUG-2008 20:31:36	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33907	No
283	GOM_NL_2PRFIN20080824_203322_000000372071_00286_33907_8747.N1	24-AUG-2008 20:33:22	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33907	No
284	GOM_NL_2PRFIN20080824_203448_000000382071_00286_33907_8748.N1	24-AUG-2008 20:34:48	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	33907	No
285	GOM_NL_2PRFIN20080824_203958_000000372071_00286_33907_8749.N1	24-AUG-2008 20:39:58	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33907	No
286	GOM_NL_2PRFIN20080824_204725_000000362071_00286_33907_8750.N1	24-AUG-2008 20:47:25	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33907	No
287	GOM_NL_2PRFIN20080824_210026_000000432071_00286_33907_8751.N1	24-AUG-2008 21:00:26	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	33907	No
288	GOM_NL_2PRFIN20080824_210408_000000352071_00286_33907_8752.N1	24-AUG-2008 21:04:08	Bright	34.500	24	66Alp Gem	1.5800	10200.	69	33907	No
289	GOM_NL_2PRFIN20080824_210747_000000542071_00286_33907_8753.N1	24-AUG-2008 21:07:47	Twilight	54.000	151	13Mu Gem	2.8900	3000.0	108	33907	No
290	GOM_NL_2PRFIN20080824_210927_000000452071_00286_33907_8754.N1	24-AUG-2008 21:09:27	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	33907	No
291	GOM_NL_2PRFIN20080824_211057_000000392071_00286_33907_8755.N1	24-AUG-2008 21:10:57	Twilight	38.500	153	3Bet CMi	2.8940	13100.	77	33907	No
292	GOM_NL_2PRFIN20080824_211850_000000502071_00286_33907_8756.N1	24-AUG-2008 21:18:50	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	33907	No
293	GOM_NL_2PRFIN20080824_212017_000000392071_00286_33907_8757.N1	24-AUG-2008 21:20:17	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33907	No
294	GOM_NL_2PRFIN20080824_212145_000000442071_00286_33907_8758.N1	24-AUG-2008 21:21:45	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	33907	No
295	GOM_NL_2PRFIN20080824_212308_000000402071_00286_33907_8759.N1	24-AUG-2008 21:23:08	Dark	39.500	177	1Zet CMa	3.0220	26000.	79	33907	No
296	GOM_NL_2PRFIN20080824_212834_000000512071_00286_33907_8760.N1	24-AUG-2008 21:28:34	Dark	51.000	2	Alp Car	-0.73600	7000.0	102	33907	No
297	GOM_NL_2PRFIN20080824_213948_000000452071_00287_33908_8752.N1	24-AUG-2008 21:39:48	Dark	45.000	9	Alp Eri	0.45300	24000.	90	33908	No
298	GOM_NL_2PRFIN20080824_214446_000000392071_00287_33908_8753.N1	24-AUG-2008 21:44:46	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	33908	No
299	GOM_NL_2PRFIN20080824_214823_000000402071_00287_33908_8754.N1	24-AUG-2008 21:48:23	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	33908	No
300	GOM_NL_2PRFIN20080824_215225_000000502071_00287_33908_8755.N1	24-AUG-2008 21:52:25	Straylight	50.000	18	24Alp PsA	1.1660	9700.0	100	33908	No
301	GOM_NL_2PRFIN20080824_215732_000000422071_00287_33908_8756.N1	24-AUG-2008 21:57:32	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	33908	No
302	GOM_NL_2PRFIN20080824_220046_000000392071_00287_33908_8757.N1	24-AUG-2008 22:00:46	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	33908	No
303	GOM_NL_2PRFIN20080824_220226_000000432071_00287_33908_8758.N1	24-AUG-2008 22:02:26	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	33908	No
304	GOM_NL_2PRFIN20080824_220530_000000402071_00287_33908_8759.N1	24-AUG-2008 22:05:30	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	33908	No
305	GOM_NL_2PRFIN20080824_221212_000000382071_00287_33908_8760.N1	24-AUG-2008 22:12:12	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33908	No
306	GOM_NL_2PRFIN20080824_221358_000000352071_00287_33908_8761.N1	24-AUG-2008 22:13:58	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33908	No
307	GOM_NL_2PRFIN20080824_221524_000000352071_00287_33908_8762.N1	24-AUG-2008 22:15:24	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	33908	No
308	GOM_NL_2PRFIN20080824_222033_000000362071_00287_33908_8763.N1	24-AUG-2008 22:20:33	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	33908	No
309	GOM_NL_2PRFIN20080824_222801_000000362071_00287_33908_8764.N1	24-AUG-2008 22:28:01	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33908	No
310	GOM_NL_2PRFIN20080824_224102_000000342071_00287_33908_8765.N1	24-AUG-2008 22:41:02	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	33908	No
311	GOM_NL_2PRFIN20080824_224443_000000362071_00287_33908_8766.N1	24-AUG-2008 22:44:43	Bright	35.500	24	66Alp Gem	1.5800	10200.	71	33908	No
312	GOM_NL_2PRFIN20080824_224823_000000552071_00287_33908_8767.N1	24-AUG-2008 22:48:23	Twilight	55.000	151	13Mu Gem	2.8900	3000.0	110	33908	No
313	GOM_NL_2PRFIN20080824_225003_000000462071_00287_33908_8768.N1	24-AUG-2008 22:50:03	Twilight	45.500	44	24Gam Gem	1.9280	11000.	91	33908	No
314	GOM_NL_2PRFIN20080824_225133_000000392071_00287_33908_8769.N1	24-AUG-2008 22:51:33	Twilight	39.000	153	3Bet CMi	2.8940	13100.	78	33908	No
315	GOM_NL_2PRFIN20080824_225926_000000462071_00287_33908_8770.N1	24-AUG-2008 22:59:26	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33908	No
316	GOM_NL_2PRFIN20080824_230053_000000392071_00287_33908_8771.N1	24-AUG-2008 23:00:53	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33908	No
317	GOM_NL_2PRFIN20080824_230221_000000422071_00287_33908_8772.N1	24-AUG-2008 23:02:21	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	33908	No
318	GOM_NL_2PRFIN20080824_230344_000000402071_00287_33908_8773.N1	24-AUG-2008 23:03:44	Dark	40.000	177	1Zet CMa	3.0220	26000.	80	33908	No
319	GOM_NL_2PRFIN20080824_230910_000000522071_00287_33908_8774.N1	24-AUG-2008 23:09:10	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	33908	No
320	GOM_NL_2PRFIN20080824_232024_000000462071_00288_33909_8759.N1	24-AUG-2008 23:20:24	Dark	46.000	9	Alp Eri	0.45300	24000.	92	33909	No
321	GOM_NL_2PRFIN20080824_232522_000000422071_00288_33909_8760.N1	24-AUG-2008 23:25:22	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	33909	No
322	GOM_NL_2PRFIN20080824_232859_000000422071_00288_33909_8761.N1	24-AUG-2008 23:28:59	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	33909	No
323	GOM_NL_2PRFIN20080824_233301_000000512071_00288_33909_8762.N1	24-AUG-2008 23:33:01	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	33909	No
324	GOM_NL_2PRFIN20080824_233808_000000552071_00288_33909_8763.N1	24-AUG-2008 23:38:08	Bright	55.000	142	49Del Cap	2.8500	8900.0	110	33909	No
325	GOM_NL_2PRFIN20080824_234122_000000392071_00288_33909_8764.N1	24-AUG-2008 23:41:22	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	33909	No
326	GOM_NL_2PRFIN20080824_234302_000000432071_00288_33909_8765.N1	24-AUG-2008 23:43:02	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	33909	No
327	GOM_NL_2PRFIN20080824_234605_000000412071_00288_33909_8766.N1	24-AUG-2008 23:46:05	Bright	41.000	61	8Eps Peg	2.1000	3900.0	82	33909	No
328	GOM_NL_2PRFIN20080824_235248_000000372071_00288_33909_8767.N1	24-AUG-2008 23:52:48	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	33909	No
329	GOM_NL_2PRFIN20080824_235434_000000352071_00288_33909_8768.N1	24-AUG-2008 23:54:34	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33909	No
330	GOM_NL_2PRFIN20080824_235600_000000342071_00288_33909_8769.N1	24-AUG-2008 23:56:00	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	33909	No

3. Quality information per product

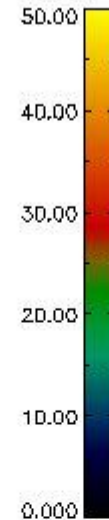
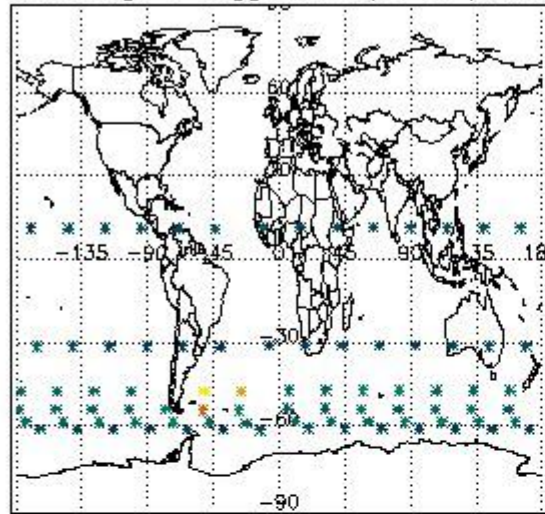
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

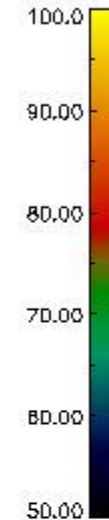
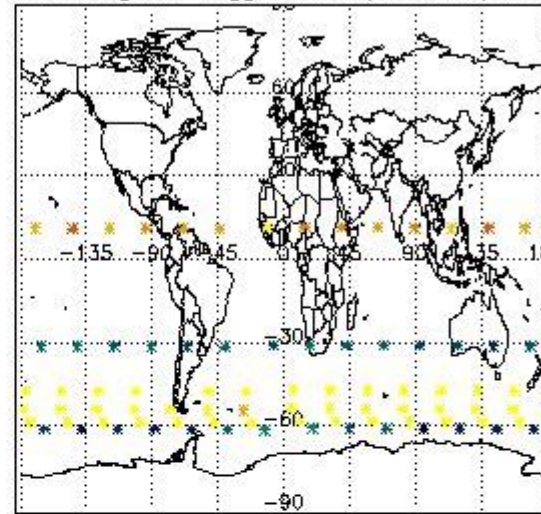


3.2 Plot quality information per product (world map)

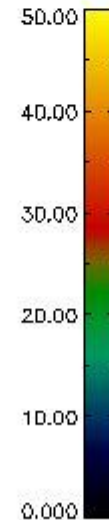
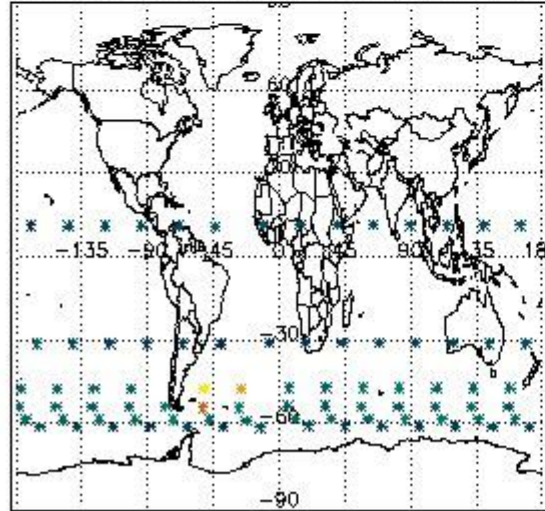
Percentage of flagged data per O3 profile



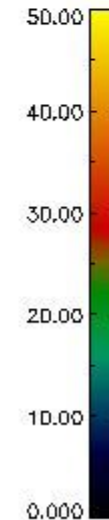
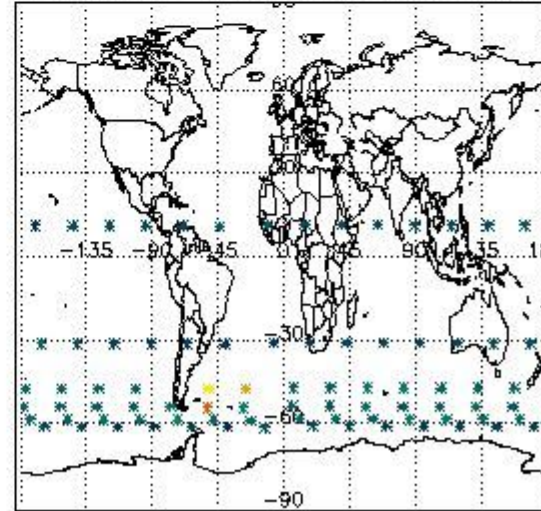
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

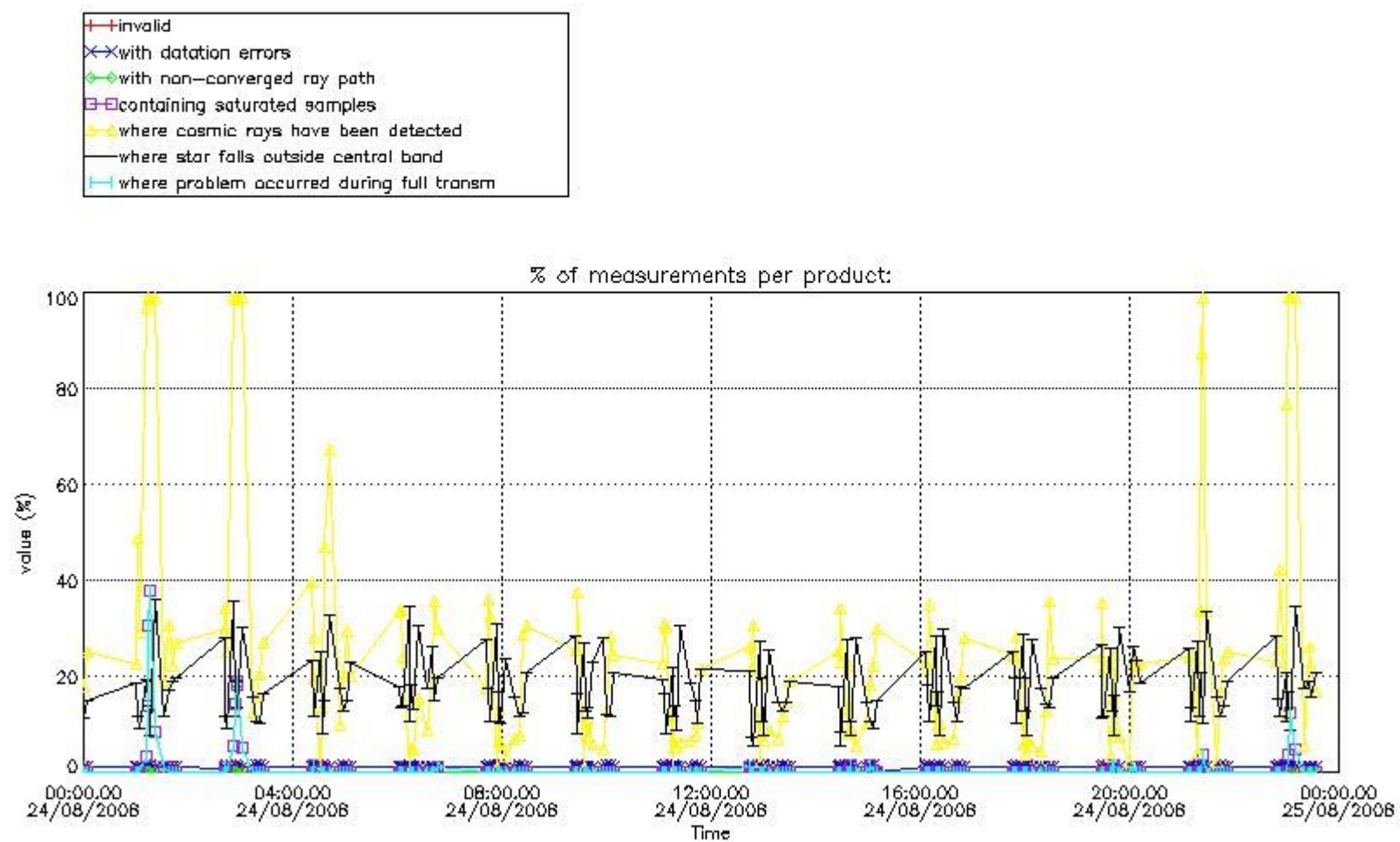


4. Level 1 quality information per product

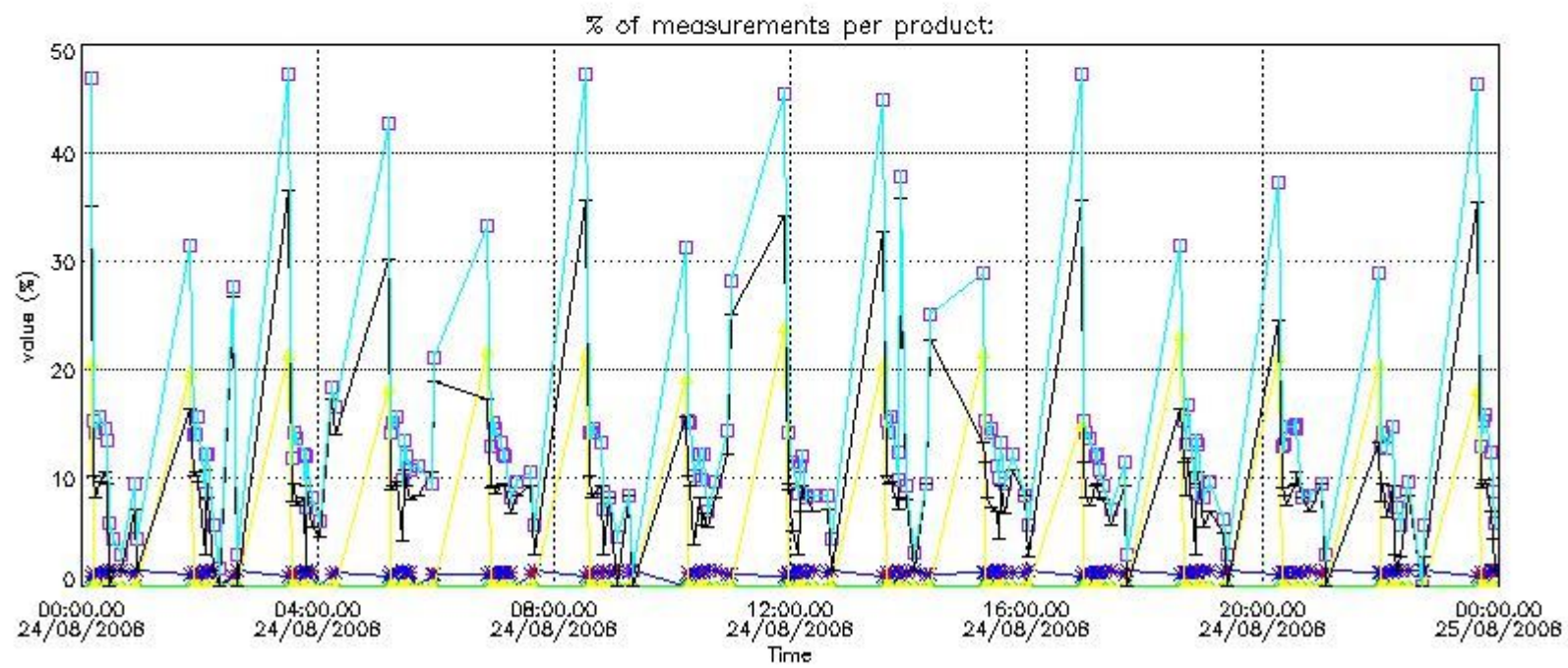
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

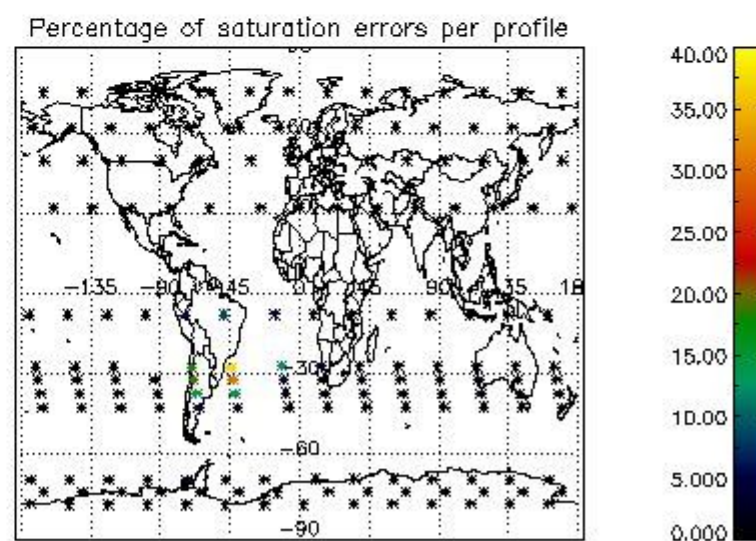
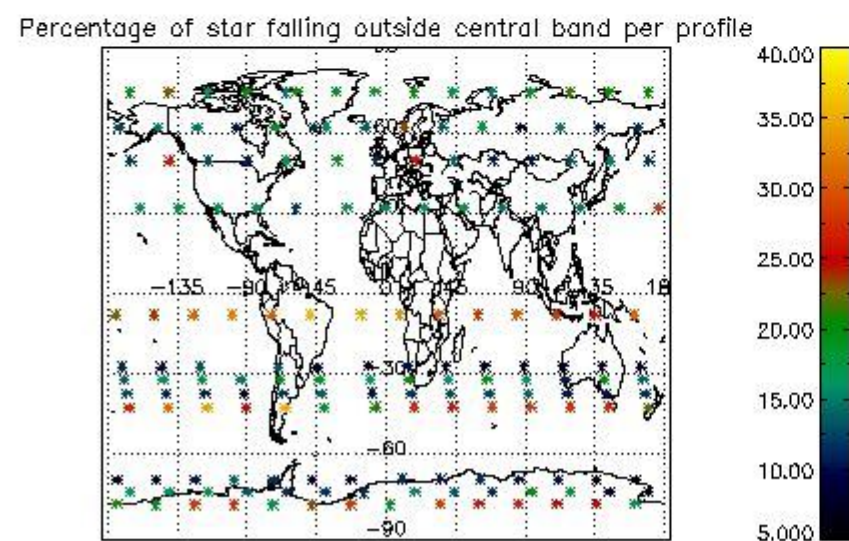
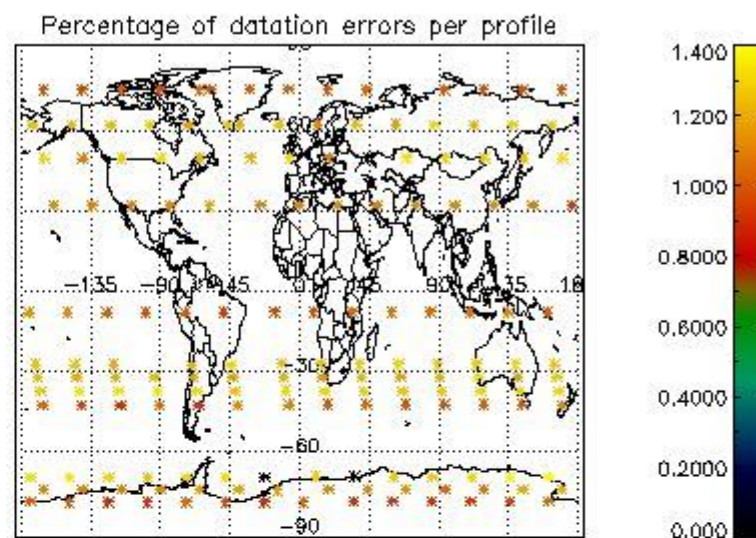
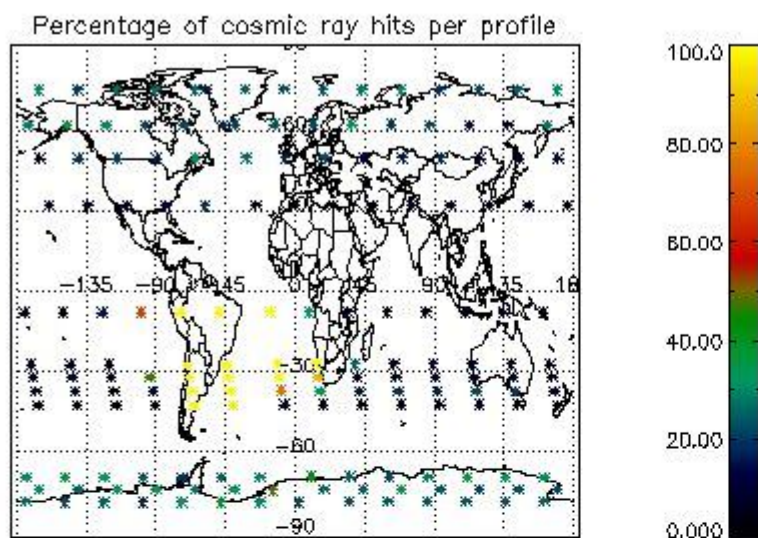


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

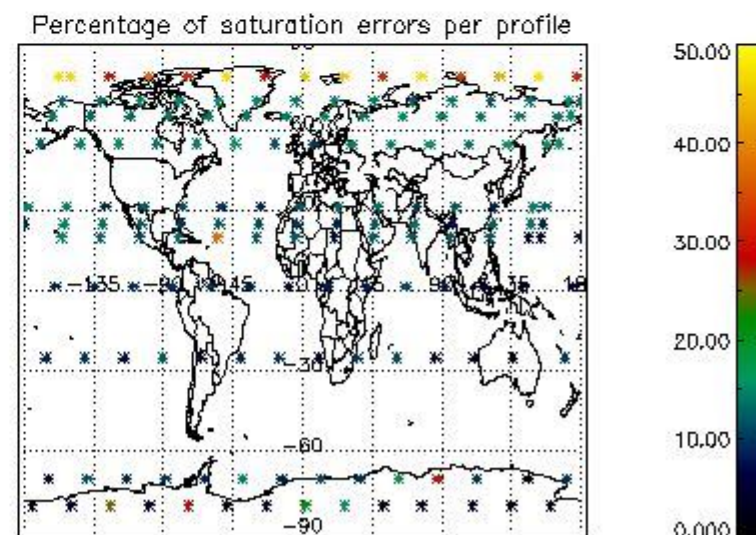
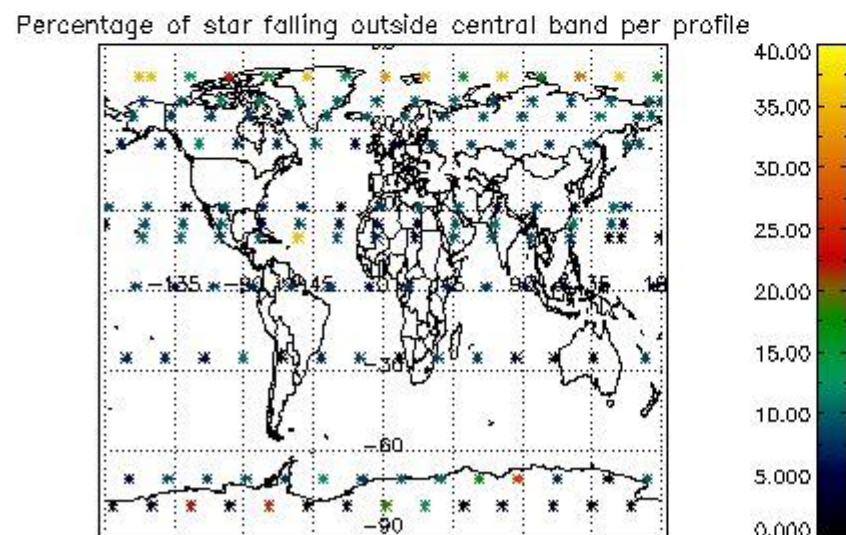
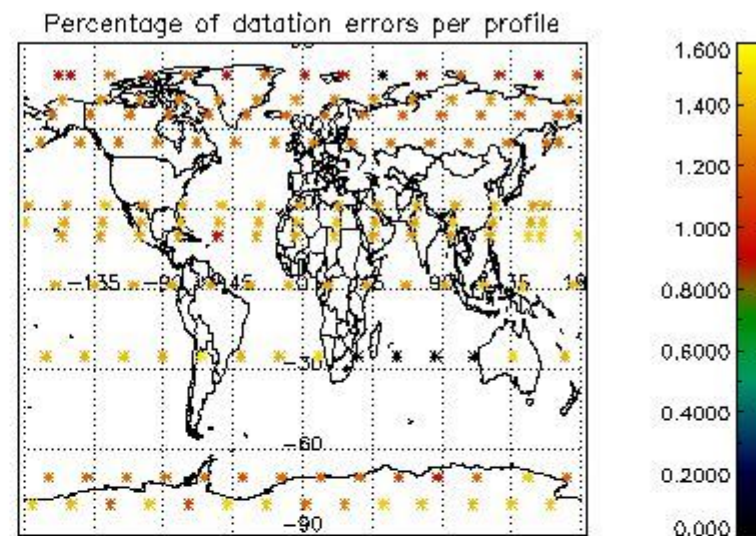
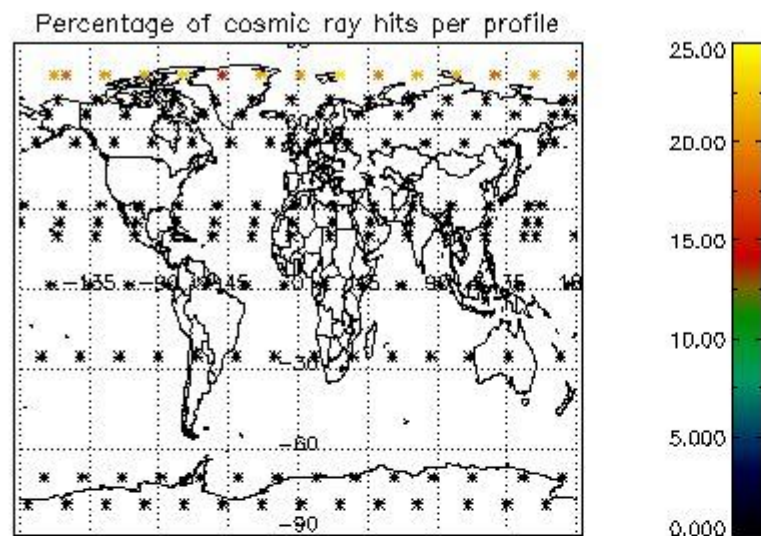


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

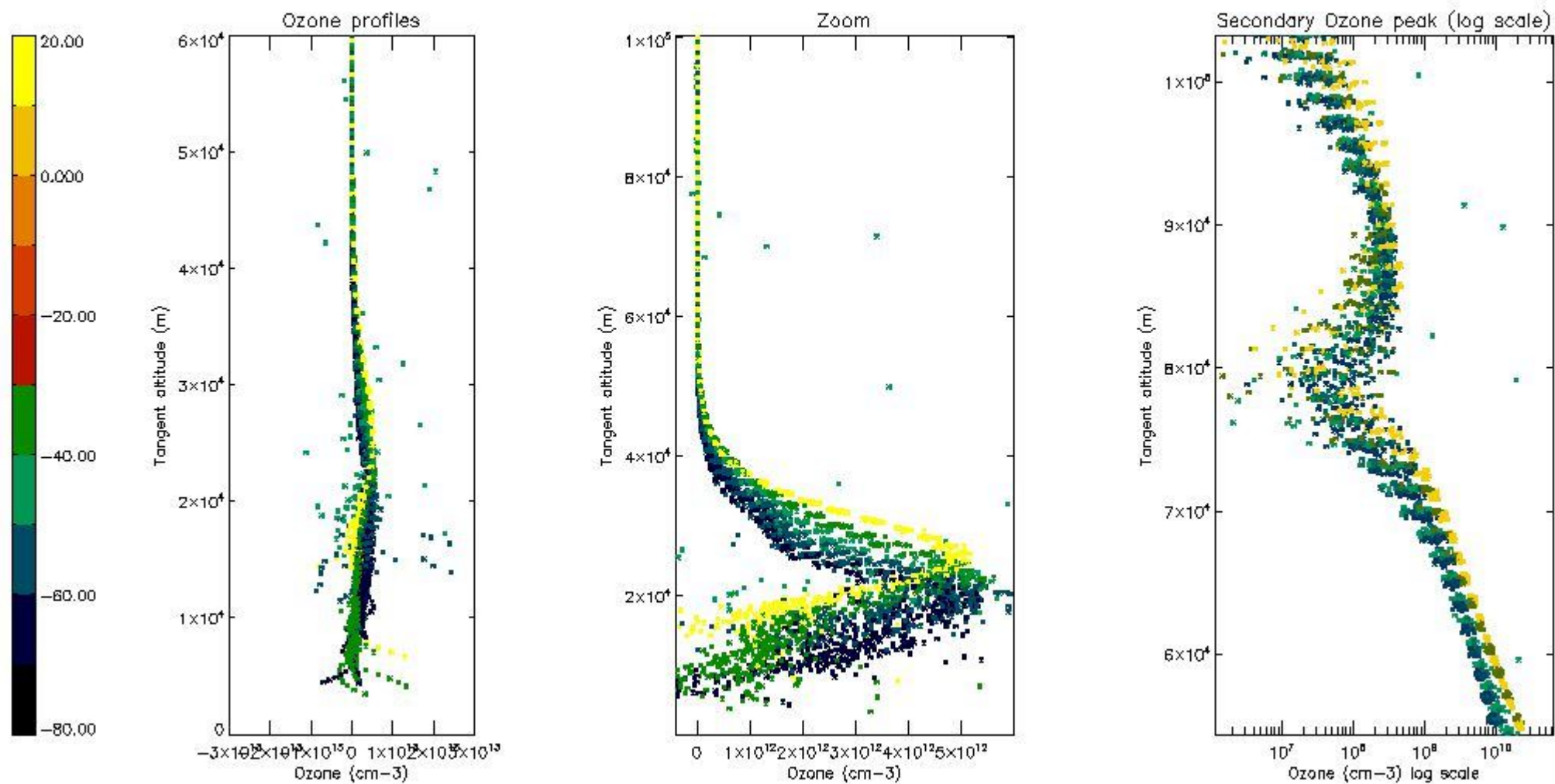
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	18

STD < 10	16
STD < 5	12

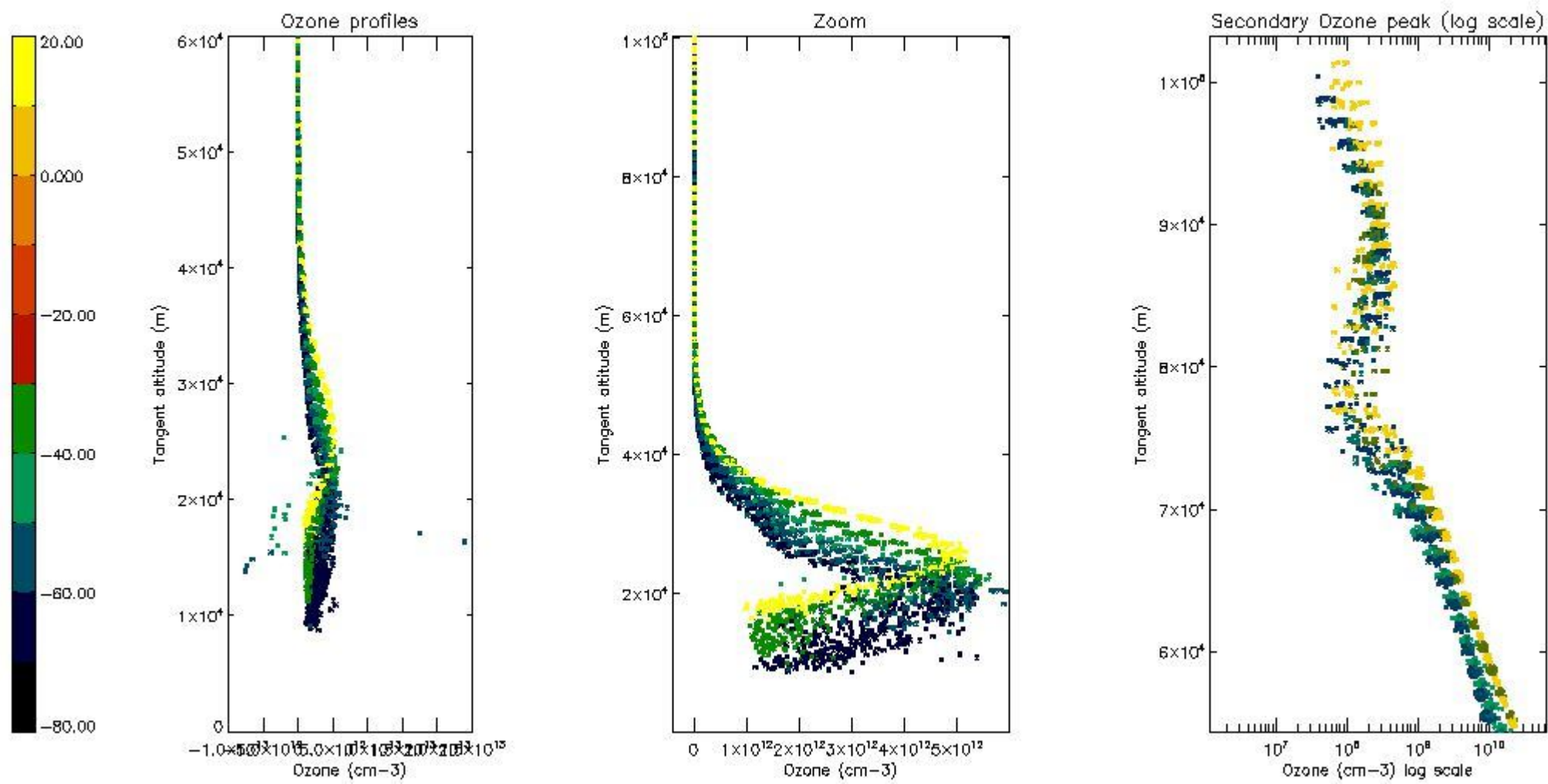
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



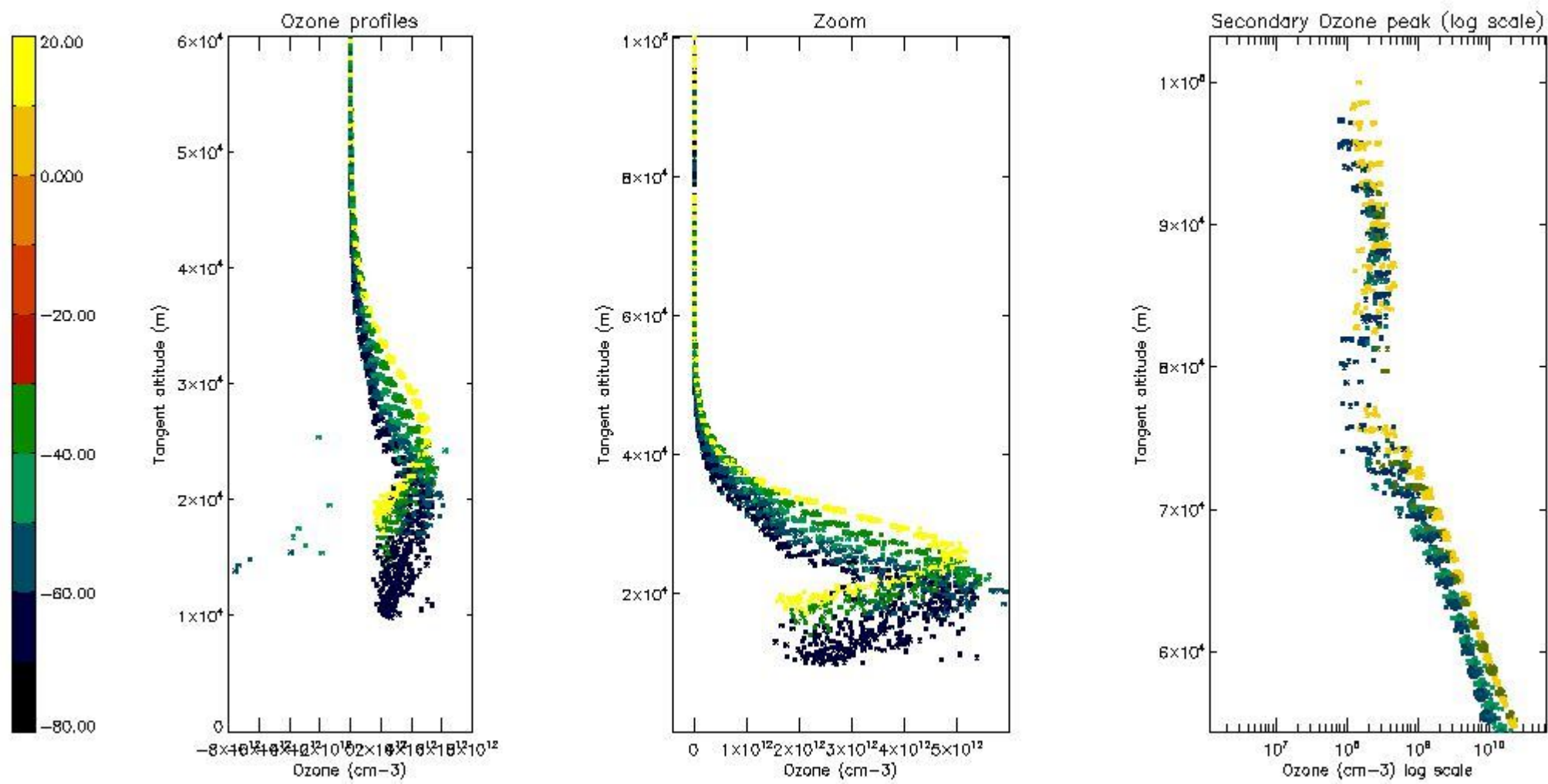
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



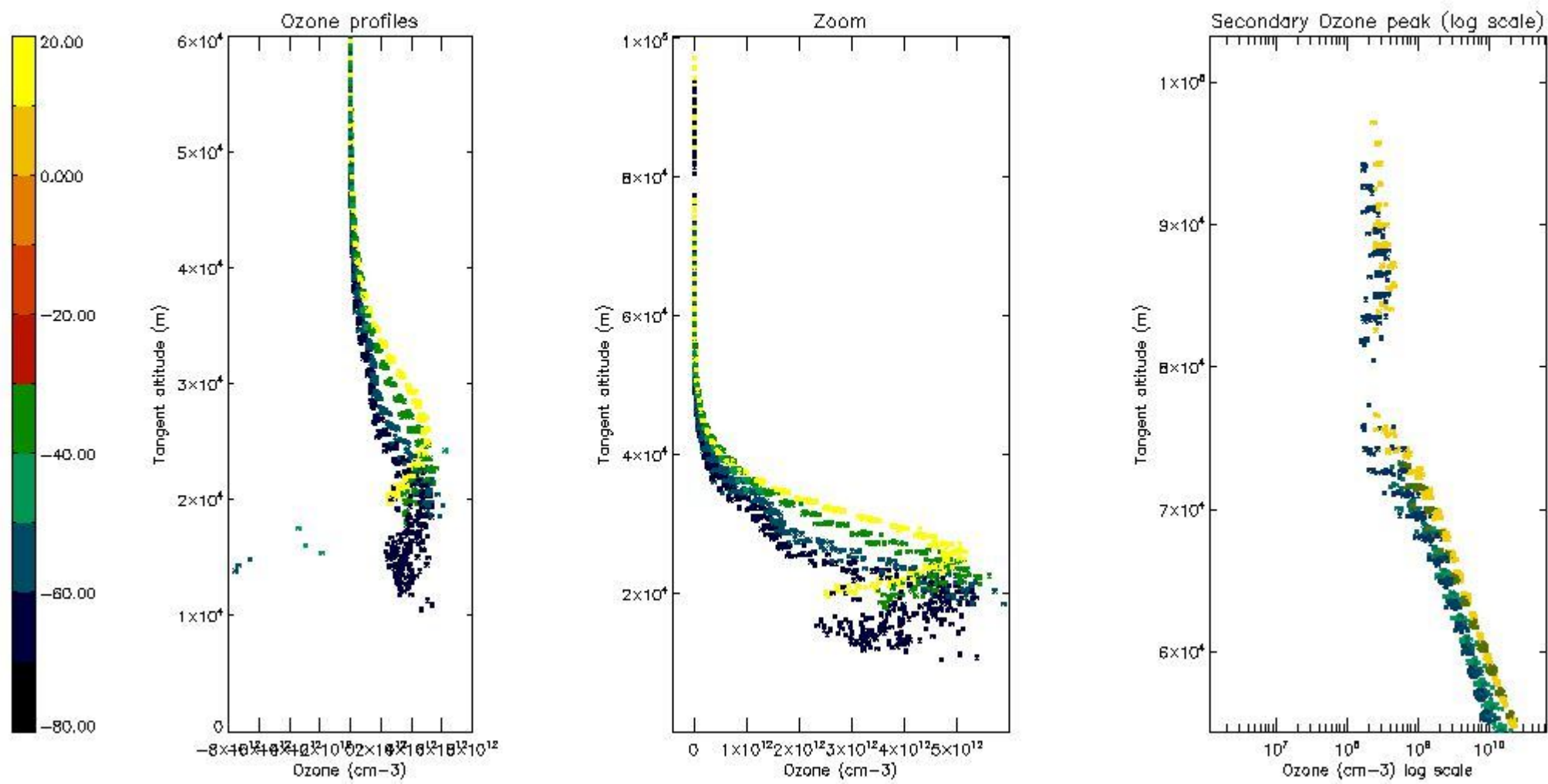
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



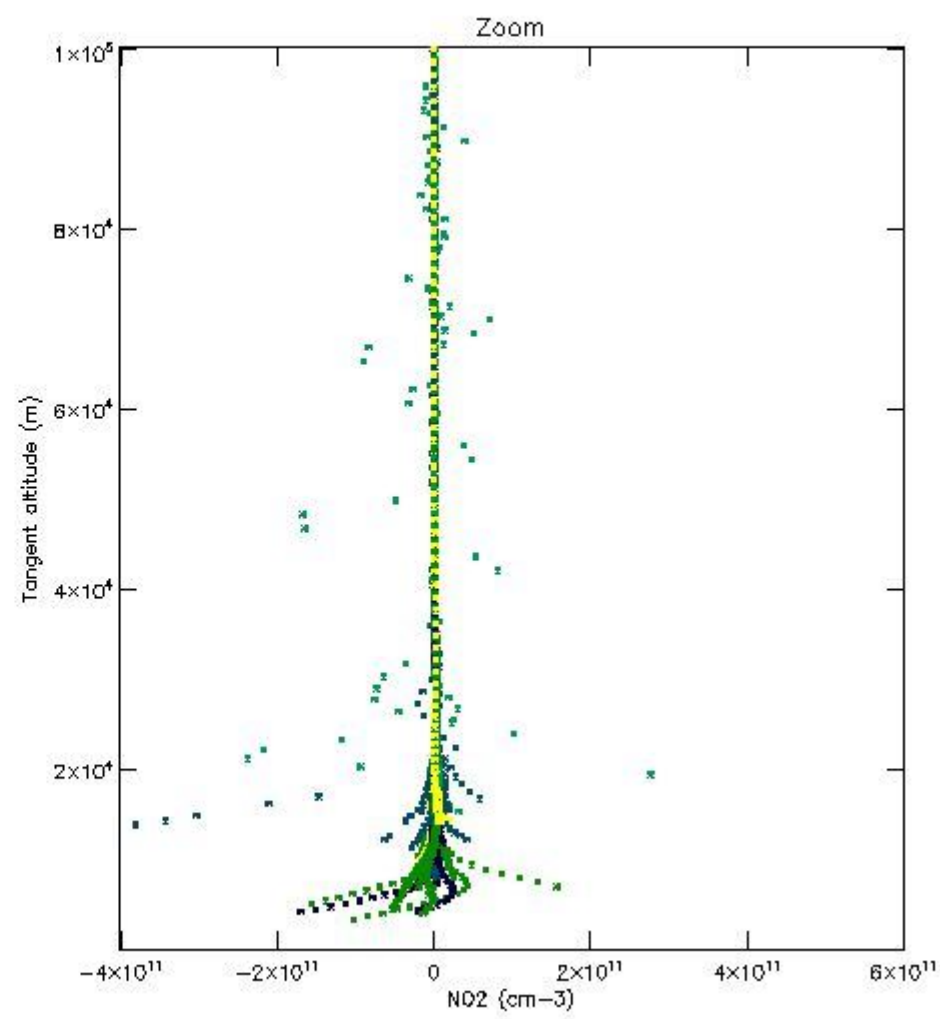
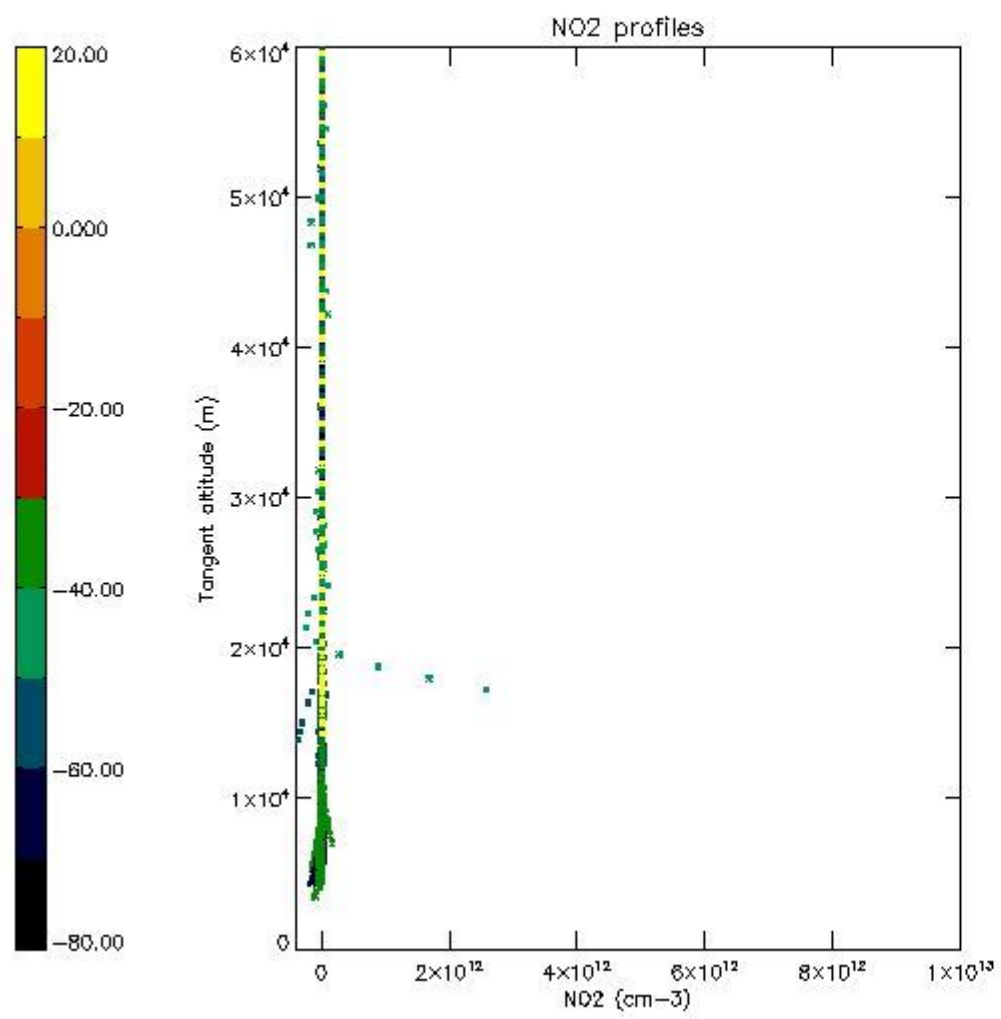
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



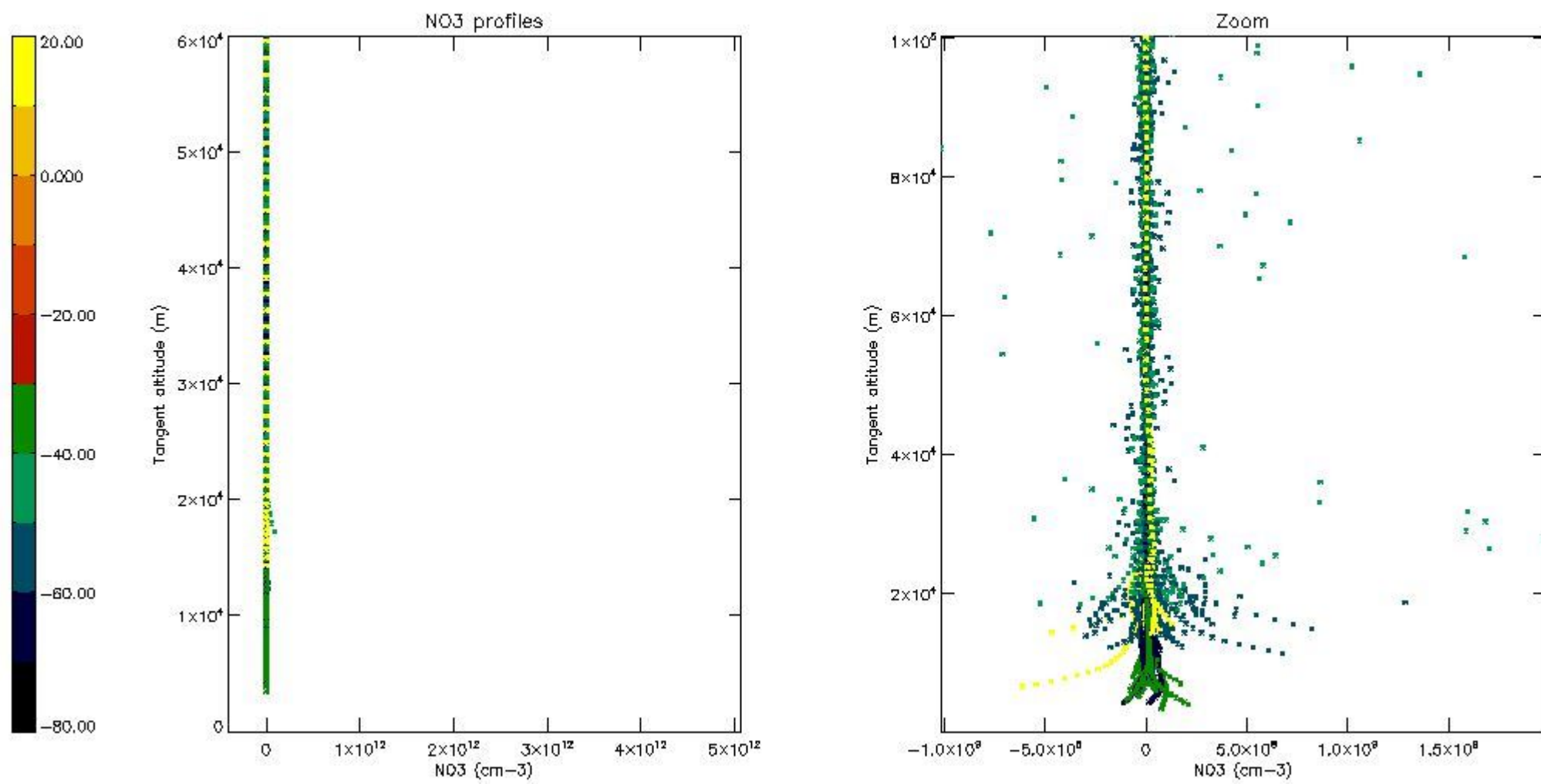
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



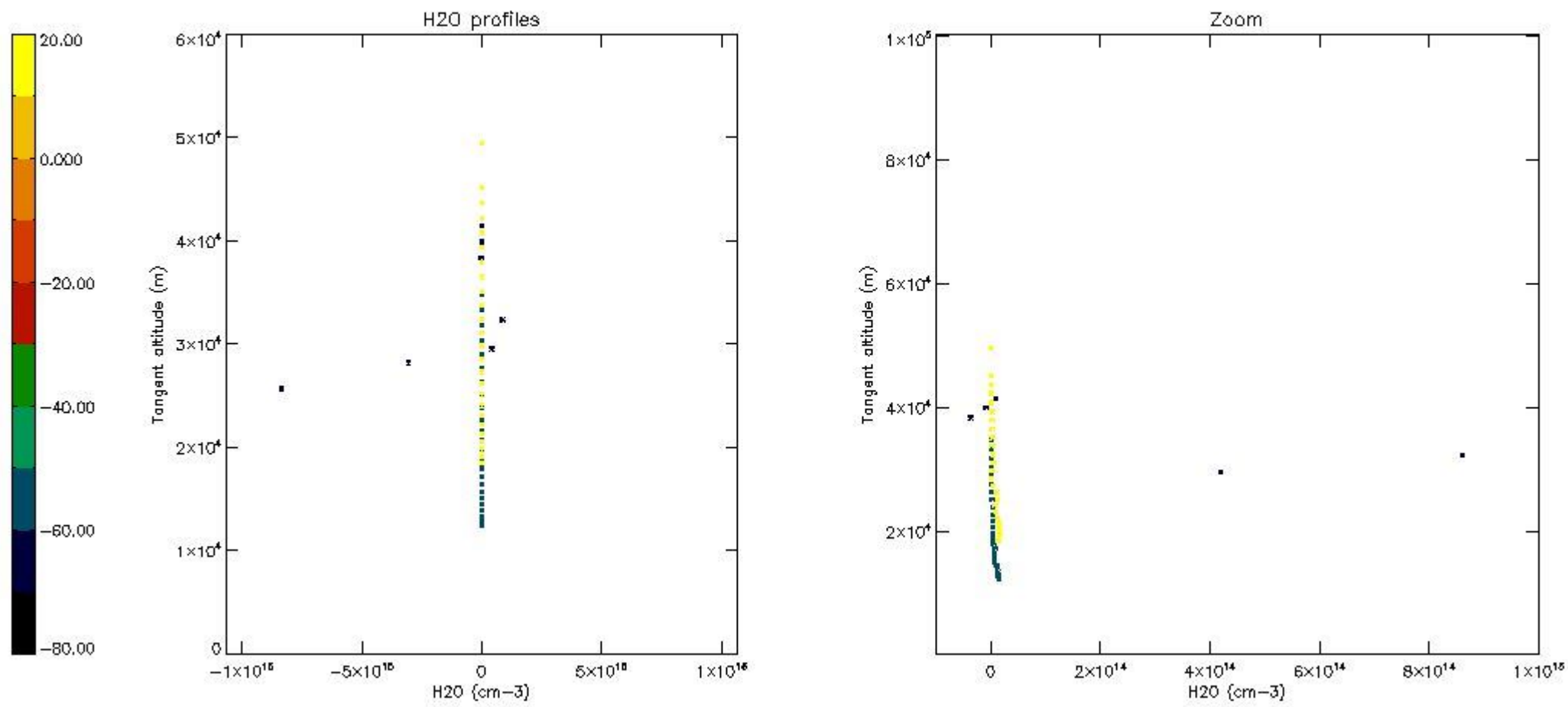
5.7 Plot NO3 profiles for all STD (dark without errors)

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	24-AUG-2008 00:00:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-AUG-2008 00:00:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-AUG-2008 00:00:32

GOMOS Level 2 Daily Report

SUMMARY

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

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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 \(world map\)](#)

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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 \(dark without errors\)](#)

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[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 19:11:39
Data source version	GOMOS/6.01
Start time of products	24-08-2008 (24AUG2008 00:00:00)
Stop time of products	25-08-2008 (25AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	330
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

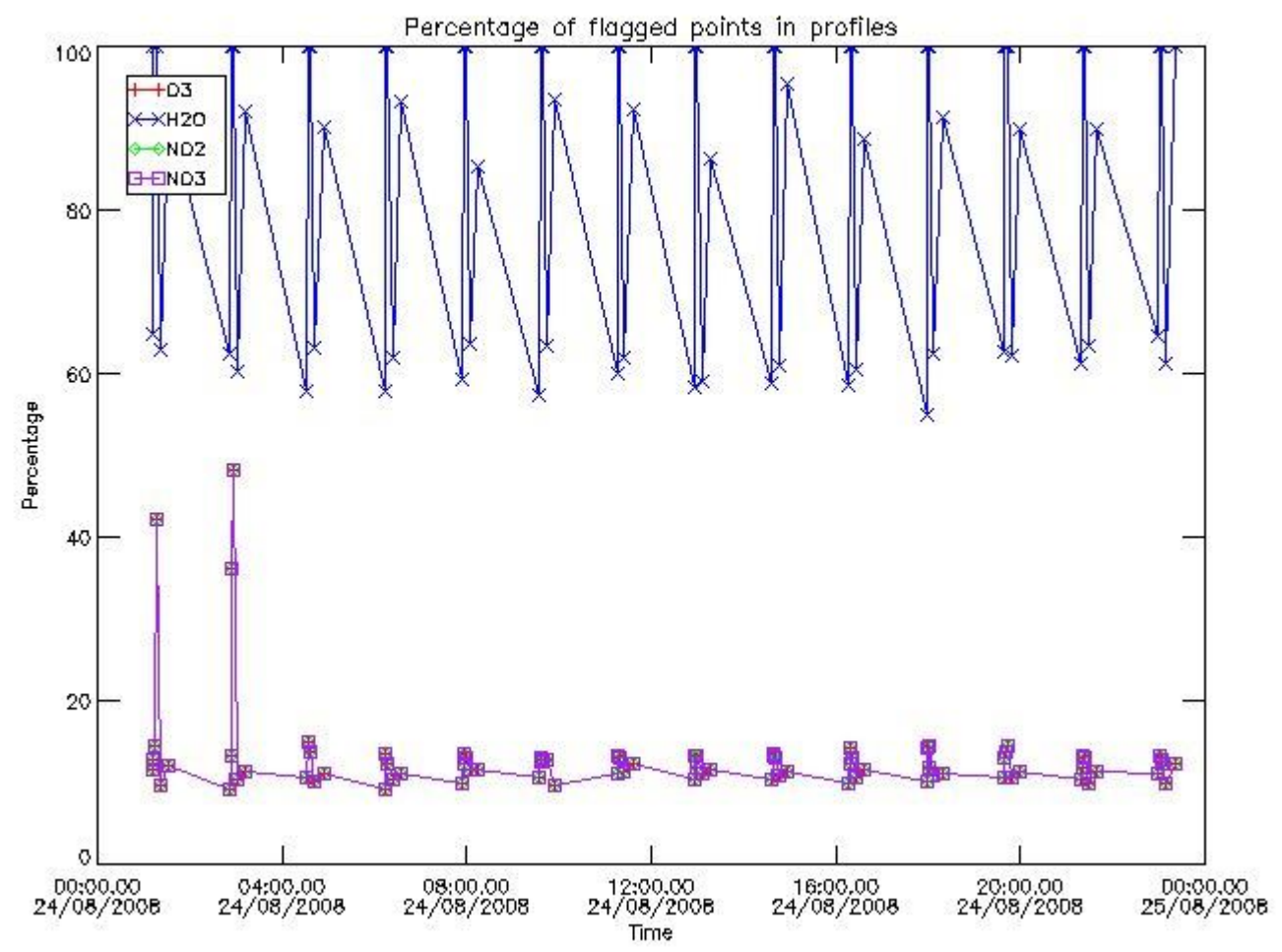
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080824_000032_000000402071_00274_33895_8648.N1	24-AUG-2008 00:00:32	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33895	No
2	GOM_NL__2PRFIN20080824_000434_000000482071_00274_33895_8649.N1	24-AUG-2008 00:04:34	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	33895	No
3	GOM_NL__2PRFIN20080824_000943_000000562071_00274_33895_8650.N1	24-AUG-2008 00:09:43	Bright	55.500	142	49Del Cap	2.8500	8900.0	111	33895	No
4	GOM_NL__2PRFIN20080824_001259_000000402071_00274_33895_8651.N1	24-AUG-2008 00:12:59	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33895	No
5	GOM_NL__2PRFIN20080824_001441_000000432071_00274_33895_8652.N1	24-AUG-2008 00:14:41	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	33895	No
6	GOM_NL__2PRFIN20080824_001745_000000422071_00274_33895_8653.N1	24-AUG-2008 00:17:45	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	33895	No
7	GOM_NL__2PRFIN20080824_002426_000000382071_00274_33895_8654.N1	24-AUG-2008 00:24:26	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	33895	No
8	GOM_NL__2PRFIN20080824_002610_000000372071_00274_33895_8655.N1	24-AUG-2008 00:26:10	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33895	No
9	GOM_NL__2PRFIN20080824_002738_000000342071_00274_33895_8656.N1	24-AUG-2008 00:27:38	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	33895	No
10	GOM_NL__2PRFIN20080824_003249_000000352071_00274_33895_8657.N1	24-AUG-2008 00:32:49	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	33895	No
11	GOM_NL__2PRFIN20080824_004014_000000342071_00274_33895_8658.N1	24-AUG-2008 00:40:14	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	33895	No
12	GOM_NL__2PRFIN20080824_005315_000000432071_00274_33895_8659.N1	24-AUG-2008 00:53:15	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	33895	No
13	GOM_NL__2PRFIN20080824_005655_000000352071_00274_33895_8660.N1	24-AUG-2008 00:56:55	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	33895	No
14	GOM_NL__2PRFIN20080824_010032_000000492071_00274_33895_8661.N1	24-AUG-2008 01:00:32	Twilight	48.500	151	13Mu Gem	2.8900	3000.0	97	33895	No
15	GOM_NL__2PRFIN20080824_010212_000000432071_00274_33895_8662.N1	24-AUG-2008 01:02:12	Twilight	43.000	44	24Gam Gem	1.9280	11000.	86	33895	No
16	GOM_NL__2PRFIN20080824_010342_000000382071_00274_33895_8663.N1	24-AUG-2008 01:03:42	Twilight	38.000	153	3Bet CMi	2.8940	13100.	76	33895	No
17	GOM_NL__2PRFIN20080824_011133_000000452071_00274_33895_8664.N1	24-AUG-2008 01:11:33	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	33895	No
18	GOM_NL__2PRFIN20080824_011301_000000402071_00274_33895_8665.N1	24-AUG-2008 01:13:01	Dark	40.000	179	24Omi2CMa	3.0320	24000.	80	33895	No
19	GOM_NL__2PRFIN20080824_011429_000000432071_00274_33895_8666.N1	24-AUG-2008 01:14:29	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	33895	No
20	GOM_NL__2PRFIN20080824_011550_000000392071_00274_33895_8667.N1	24-AUG-2008 01:15:50	Dark	38.500	177	1Zet CMa	3.0220	26000.	77	33895	No
21	GOM_NL__2PRFIN20080824_012118_000000532071_00274_33895_8668.N1	24-AUG-2008 01:21:18	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	33895	No
22	GOM_NL__2PRFIN20080824_013229_000000432071_00275_33896_8652.N1	24-AUG-2008 01:32:29	Dark	42.500	9	Alp Eri	0.45300	24000.	85	33896	No
23	GOM_NL__2PRFIN20080824_013731_000000412071_00275_33896_8653.N1	24-AUG-2008 01:37:31	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33896	No
24	GOM_NL__2PRFIN20080824_014108_000000432071_00275_33896_8654.N1	24-AUG-2008 01:41:08	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	33896	No
25	GOM_NL__2PRFIN20080824_014510_000000512071_00275_33896_8655.N1	24-AUG-2008 01:45:10	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	33896	No
26	GOM_NL__2PRFIN20080824_015019_000000432071_00275_33896_8656.N1	24-AUG-2008 01:50:19	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	33896	No
27	GOM_NL__2PRFIN20080824_015334_000000402071_00275_33896_8657.N1	24-AUG-2008 01:53:34	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33896	No
28	GOM_NL__2PRFIN20080824_015516_000000432071_00275_33896_8658.N1	24-AUG-2008 01:55:16	Bright	43.000	162	34Alp Aqr	2.9440	5350.0	86	33896	No
29	GOM_NL__2PRFIN20080824_015820_000000422071_00275_33896_8659.N1	24-AUG-2008 01:58:20	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	33896	No
30	GOM_NL__2PRFIN20080824_020501_000000352071_00275_33896_8660.N1	24-AUG-2008 02:05:01	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	33896	No
31	GOM_NL__2PRFIN20080824_020646_000000372071_00275_33896_8661.N1	24-AUG-2008 02:06:46	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33896	No
32	GOM_NL__2PRFIN20080824_020813_000000372071_00275_33896_8662.N1	24-AUG-2008 02:08:13	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	33896	No
33	GOM_NL__2PRFIN20080824_021324_000000352071_00275_33896_8663.N1	24-AUG-2008 02:13:24	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	33896	No
34	GOM_NL__2PRFIN20080824_022050_000000322071_00275_33896_8664.N1	24-AUG-2008 02:20:50	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	33896	No
35	GOM_NL__2PRFIN20080824_023351_000000532071_00275_33896_8665.N1	24-AUG-2008 02:33:51	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	33896	No
36	GOM_NL__2PRFIN20080824_023731_000000342071_00275_33896_8666.N1	24-AUG-2008 02:37:31	Bright	34.000	24	66Alp Gem	1.5800	10200.	68	33896	No
37	GOM_NL__2PRFIN20080824_024109_000000562071_00275_33896_8667.N1	24-AUG-2008 02:41:09	Twilight	55.500	151	13Mu Gem	2.8900	3000.0	111	33896	No
38	GOM_NL__2PRFIN20080824_024248_000000432071_00275_33896_8668.N1	24-AUG-2008 02:42:48	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	33896	No
39	GOM_NL__2PRFIN20080824_024418_000000382071_00275_33896_8669.N1	24-AUG-2008 02:44:18	Twilight	38.000	153	3Bet CMi	2.8940	13100.	76	33896	No
40	GOM_NL__2PRFIN20080824_025209_000000552071_00275_33896_8670.N1	24-AUG-2008 02:52:09	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	33896	No
41	GOM_NL__2PRFIN20080824_025337_000000392071_00275_33896_8671.N1	24-AUG-2008 02:53:37	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33896	No
42	GOM_NL__2PRFIN20080824_025505_000000422071_00275_33896_8672.N1	24-AUG-2008 02:55:05	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	33896	No

279	GOM_NL__2PRFIN20080824_202010_000000392071_00286_33907_8743.N1	24-AUG-2008 20:20:10	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	33907	No
280	GOM_NL__2PRFIN20080824_202151_000000422071_00286_33907_8744.N1	24-AUG-2008 20:21:51	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	33907	No
281	GOM_NL__2PRFIN20080824_202454_000000412071_00286_33907_8745.N1	24-AUG-2008 20:24:54	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	33907	No
282	GOM_NL__2PRFIN20080824_203136_000000382071_00286_33907_8746.N1	24-AUG-2008 20:31:36	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33907	No
283	GOM_NL__2PRFIN20080824_203322_000000372071_00286_33907_8747.N1	24-AUG-2008 20:33:22	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33907	No
284	GOM_NL__2PRFIN20080824_203448_000000382071_00286_33907_8748.N1	24-AUG-2008 20:34:48	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	33907	No
285	GOM_NL__2PRFIN20080824_203958_000000372071_00286_33907_8749.N1	24-AUG-2008 20:39:58	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33907	No
286	GOM_NL__2PRFIN20080824_204725_000000362071_00286_33907_8750.N1	24-AUG-2008 20:47:25	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33907	No
287	GOM_NL__2PRFIN20080824_210026_000000432071_00286_33907_8751.N1	24-AUG-2008 21:00:26	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	33907	No
288	GOM_NL__2PRFIN20080824_210408_000000352071_00286_33907_8752.N1	24-AUG-2008 21:04:08	Bright	34.500	24	66Alp Gem	1.5800	10200.	69	33907	No
289	GOM_NL__2PRFIN20080824_210747_000000542071_00286_33907_8753.N1	24-AUG-2008 21:07:47	Twilight	54.000	151	13Mu Gem	2.8900	3000.0	108	33907	No
290	GOM_NL__2PRFIN20080824_210927_000000452071_00286_33907_8754.N1	24-AUG-2008 21:09:27	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	33907	No
291	GOM_NL__2PRFIN20080824_211057_000000392071_00286_33907_8755.N1	24-AUG-2008 21:10:57	Twilight	38.500	153	3Bet CMi	2.8940	13100.	77	33907	No
292	GOM_NL__2PRFIN20080824_211850_000000502071_00286_33907_8756.N1	24-AUG-2008 21:18:50	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	33907	No
293	GOM_NL__2PRFIN20080824_212017_000000392071_00286_33907_8757.N1	24-AUG-2008 21:20:17	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33907	No
294	GOM_NL__2PRFIN20080824_212145_000000442071_00286_33907_8758.N1	24-AUG-2008 21:21:45	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	33907	No
295	GOM_NL__2PRFIN20080824_212308_000000402071_00286_33907_8759.N1	24-AUG-2008 21:23:08	Dark	39.500	177	1Zet CMa	3.0220	26000.	79	33907	No
296	GOM_NL__2PRFIN20080824_212834_000000512071_00286_33907_8760.N1	24-AUG-2008 21:28:34	Dark	51.000	2	Alp Car	-0.73600	7000.0	102	33907	No
297	GOM_NL__2PRFIN20080824_213948_000000452071_00287_33908_8752.N1	24-AUG-2008 21:39:48	Dark	45.000	9	Alp Eri	0.45300	24000.	90	33908	No
298	GOM_NL__2PRFIN20080824_214446_000000392071_00287_33908_8753.N1	24-AUG-2008 21:44:46	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	33908	No
299	GOM_NL__2PRFIN20080824_214823_000000402071_00287_33908_8754.N1	24-AUG-2008 21:48:23	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	33908	No
300	GOM_NL__2PRFIN20080824_215225_000000502071_00287_33908_8755.N1	24-AUG-2008 21:52:25	Straylight	50.000	18	24Alp PsA	1.1660	9700.0	100	33908	No
301	GOM_NL__2PRFIN20080824_215732_000000422071_00287_33908_8756.N1	24-AUG-2008 21:57:32	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	33908	No
302	GOM_NL__2PRFIN20080824_220046_000000392071_00287_33908_8757.N1	24-AUG-2008 22:00:46	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	33908	No
303	GOM_NL__2PRFIN20080824_220226_000000432071_00287_33908_8758.N1	24-AUG-2008 22:02:26	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	33908	No
304	GOM_NL__2PRFIN20080824_220530_000000402071_00287_33908_8759.N1	24-AUG-2008 22:05:30	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	33908	No
305	GOM_NL__2PRFIN20080824_221212_000000382071_00287_33908_8760.N1	24-AUG-2008 22:12:12	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33908	No
306	GOM_NL__2PRFIN20080824_221358_000000352071_00287_33908_8761.N1	24-AUG-2008 22:13:58	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33908	No
307	GOM_NL__2PRFIN20080824_221524_000000352071_00287_33908_8762.N1	24-AUG-2008 22:15:24	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	33908	No
308	GOM_NL__2PRFIN20080824_222033_000000362071_00287_33908_8763.N1	24-AUG-2008 22:20:33	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	33908	No
309	GOM_NL__2PRFIN20080824_222801_000000362071_00287_33908_8764.N1	24-AUG-2008 22:28:01	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33908	No
310	GOM_NL__2PRFIN20080824_224102_000000342071_00287_33908_8765.N1	24-AUG-2008 22:41:02	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	33908	No
311	GOM_NL__2PRFIN20080824_224443_000000362071_00287_33908_8766.N1	24-AUG-2008 22:44:43	Bright	35.500	24	66Alp Gem	1.5800	10200.	71	33908	No
312	GOM_NL__2PRFIN20080824_224823_000000552071_00287_33908_8767.N1	24-AUG-2008 22:48:23	Twilight	55.000	151	13Mu Gem	2.8900	3000.0	110	33908	No
313	GOM_NL__2PRFIN20080824_225003_000000462071_00287_33908_8768.N1	24-AUG-2008 22:50:03	Twilight	45.500	44	24Gam Gem	1.9280	11000.	91	33908	No
314	GOM_NL__2PRFIN20080824_225133_000000392071_00287_33908_8769.N1	24-AUG-2008 22:51:33	Twilight	39.000	153	3Bet CMi	2.8940	13100.	78	33908	No
315	GOM_NL__2PRFIN20080824_225926_000000462071_00287_33908_8770.N1	24-AUG-2008 22:59:26	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33908	No
316	GOM_NL__2PRFIN20080824_230053_000000392071_00287_33908_8771.N1	24-AUG-2008 23:00:53	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33908	No
317	GOM_NL__2PRFIN20080824_230221_000000422071_00287_33908_8772.N1	24-AUG-2008 23:02:21	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	33908	No
318	GOM_NL__2PRFIN20080824_230344_000000402071_00287_33908_8773.N1	24-AUG-2008 23:03:44	Dark	40.000	177	1Zet CMa	3.0220	26000.	80	33908	No
319	GOM_NL__2PRFIN20080824_230910_000000522071_00287_33908_8774.N1	24-AUG-2008 23:09:10	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	33908	No
320	GOM_NL__2PRFIN20080824_232024_000000462071_00288_33909_8759.N1	24-AUG-2008 23:20:24	Dark	46.000	9	Alp Eri	0.45300	24000.	92	33909	No
321	GOM_NL__2PRFIN20080824_232522_000000422071_00288_33909_8760.N1	24-AUG-2008 23:25:22	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	33909	No
322	GOM_NL__2PRFIN20080824_232859_000000422071_00288_33909_8761.N1	24-AUG-2008 23:28:59	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	33909	No
323	GOM_NL__2PRFIN20080824_233301_000000512071_00288_33909_8762.N1	24-AUG-2008 23:33:01	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	33909	No
324	GOM_NL__2PRFIN20080824_233808_000000552071_00288_33909_8763.N1	24-AUG-2008 23:38:08	Bright	55.000	142	49Del Cap	2.8500	8900.0	110	33909	No
325	GOM_NL__2PRFIN20080824_234122_000000392071_00288_33909_8764.N1	24-AUG-2008 23:41:22	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	33909	No
326	GOM_NL__2PRFIN20080824_234302_000000432071_00288_33909_8765.N1	24-AUG-2008 23:43:02	Bright	42.500	162	34Alp Aqr	2.9440	5350.0	85	33909	No
327	GOM_NL__2PRFIN20080824_234605_000000412071_00288_33909_8766.N1	24-AUG-2008 23:46:05	Bright	41.000	61	8Eps Peg	2.1000	3900.0	82	33909	No
328	GOM_NL__2PRFIN20080824_235248_000000372071_00288_33909_8767.N1	24-AUG-2008 23:52:48	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	33909	No
329	GOM_NL__2PRFIN20080824_235434_000000352071_00288_33909_8768.N1	24-AUG-2008 23:54:34	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33909	No
330	GOM_NL__2PRFIN20080824_235600_000000342071_00288_33909_8769.N1	24-AUG-2008 23:56:00	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	33909	No

3. Quality information per product

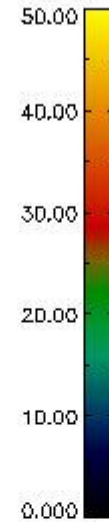
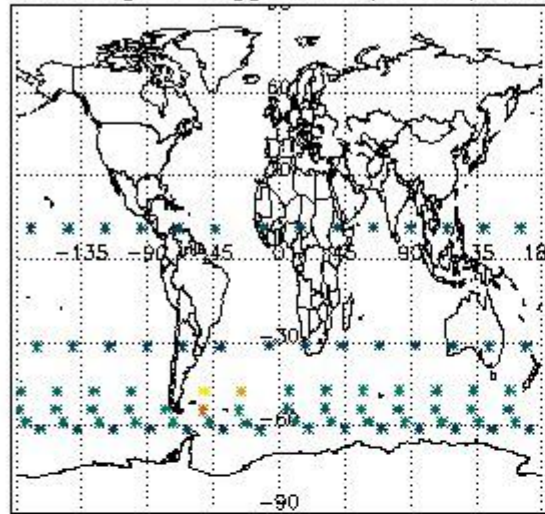
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

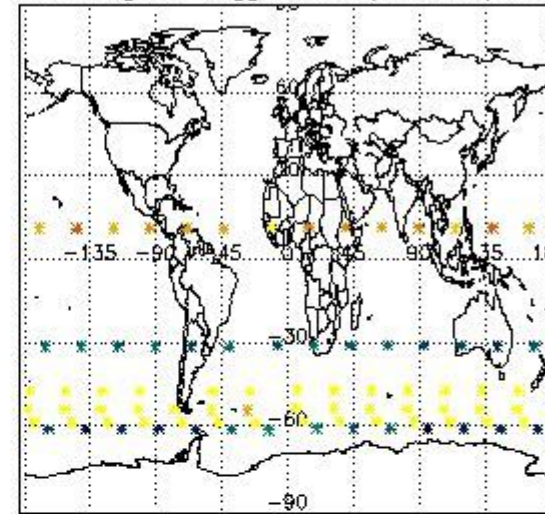


3.2 Plot quality information per product (world map)

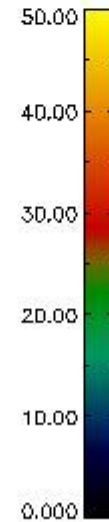
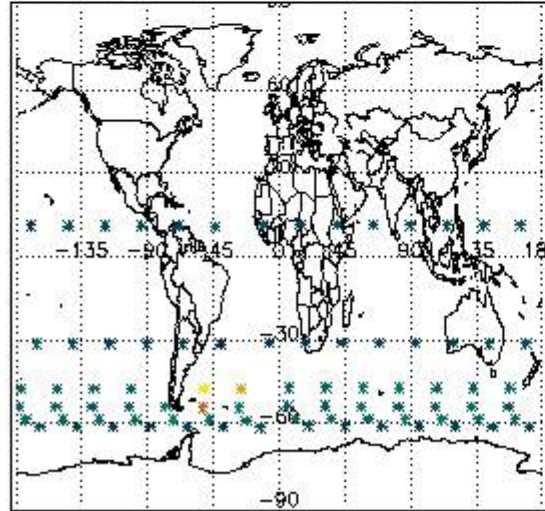
Percentage of flagged data per O3 profile



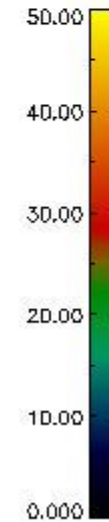
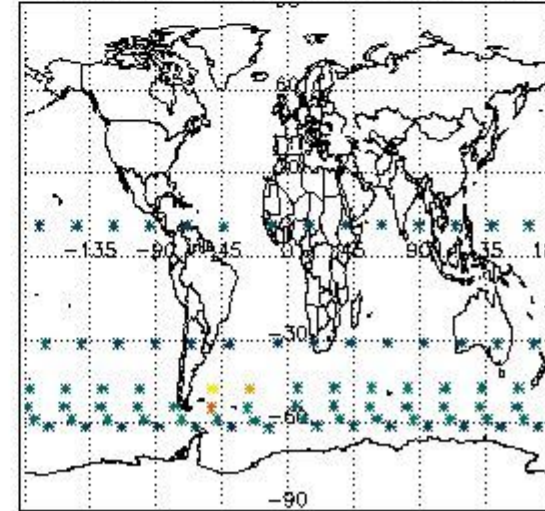
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

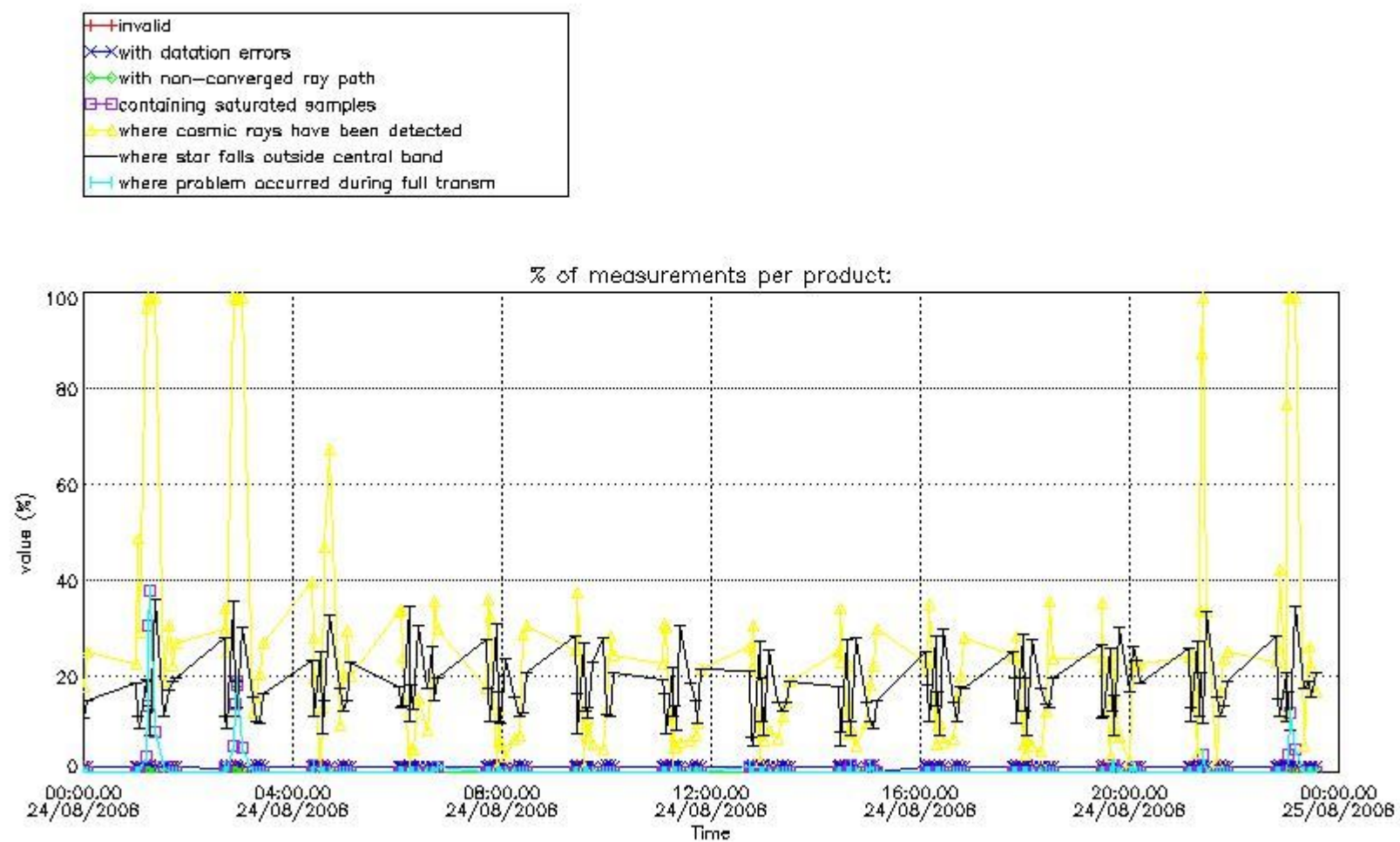


4. Level 1 quality information per product

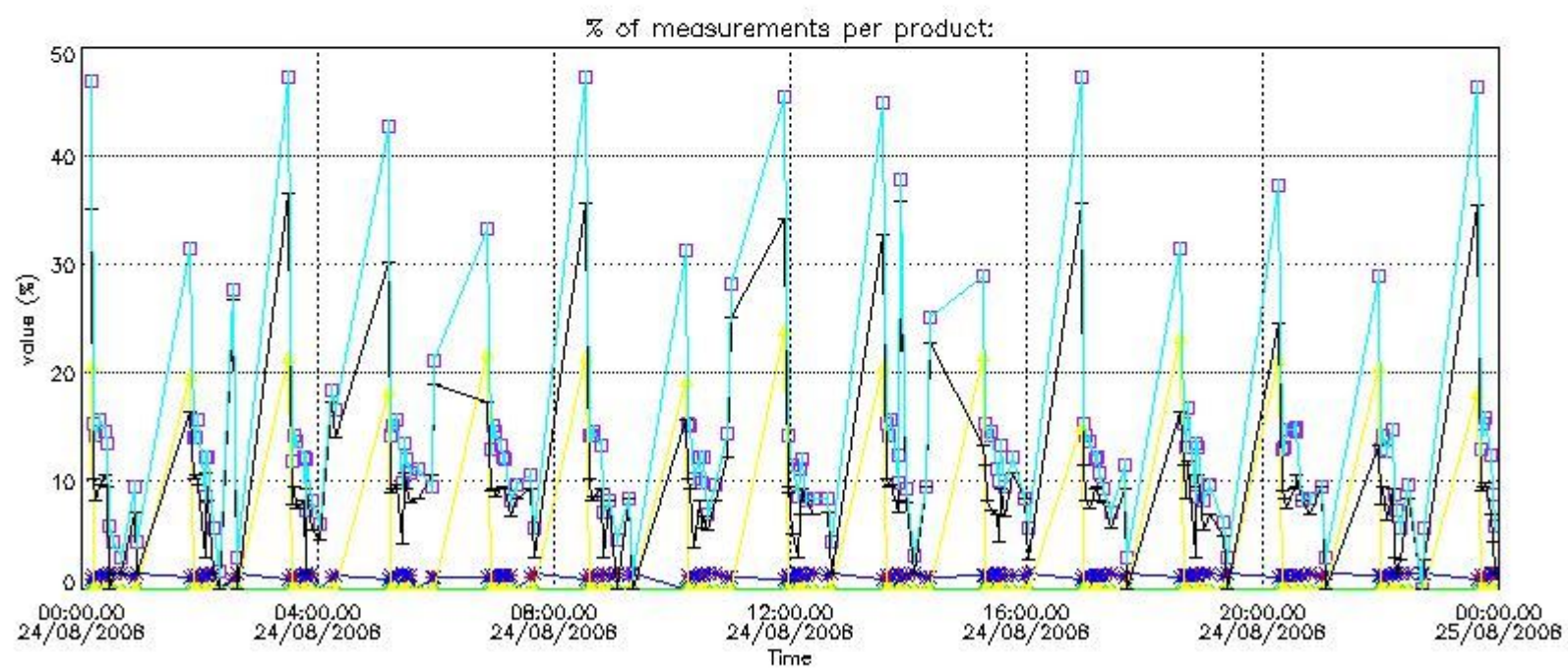
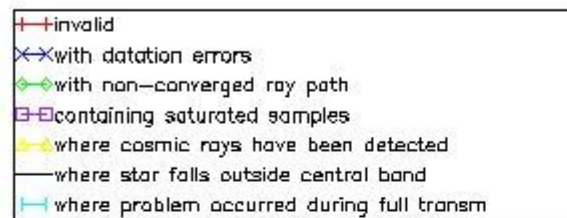
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

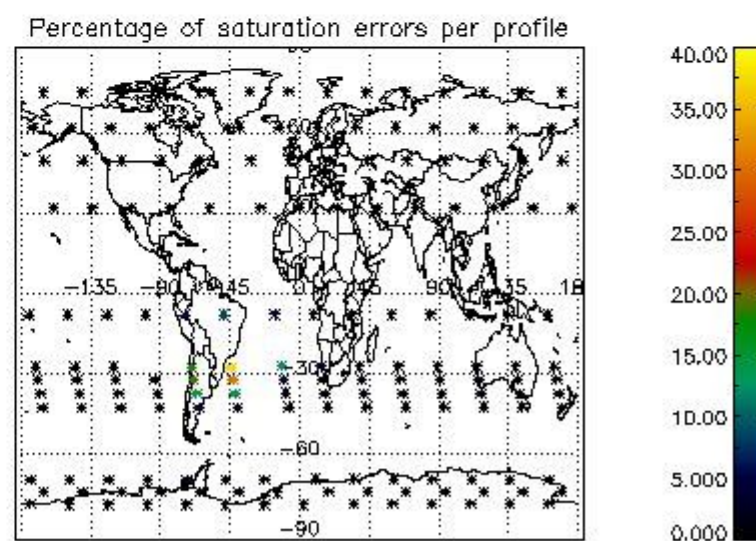
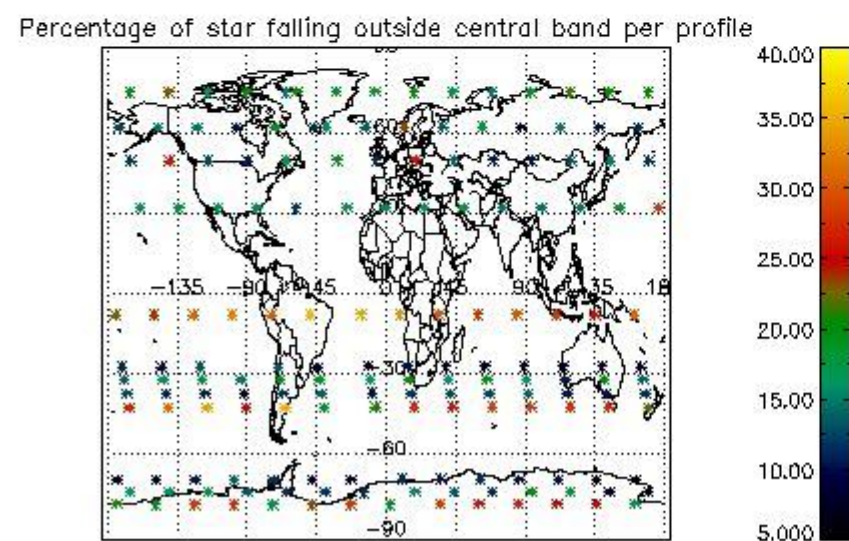
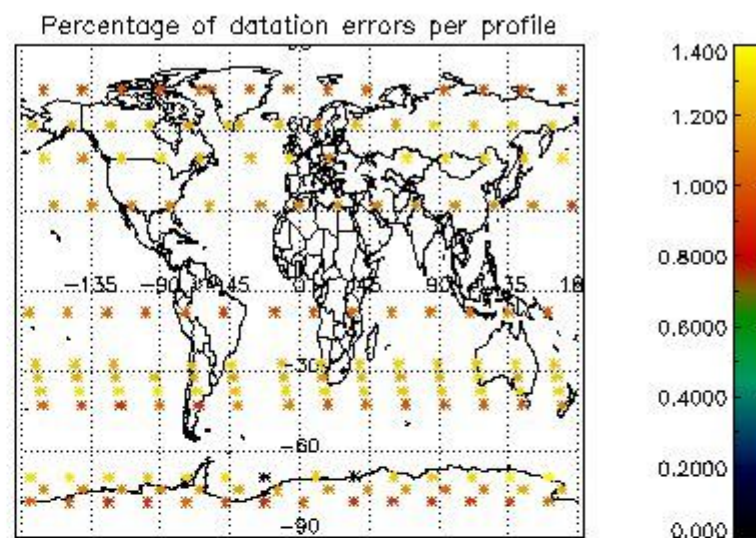
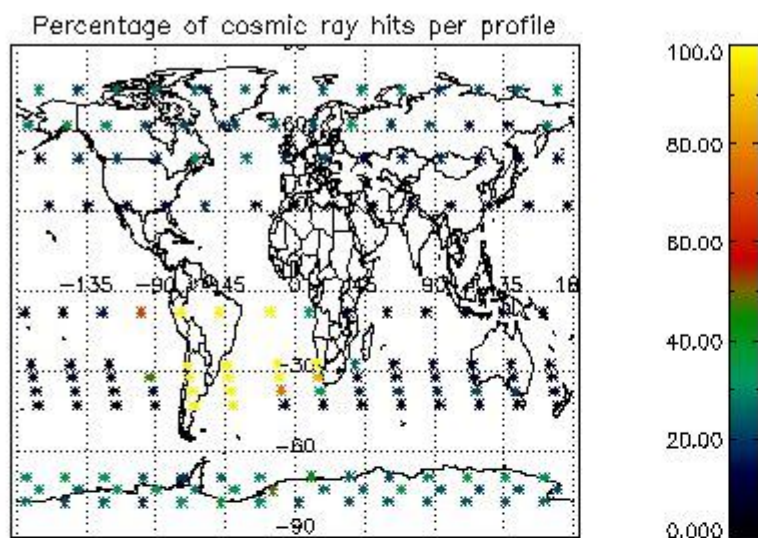


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

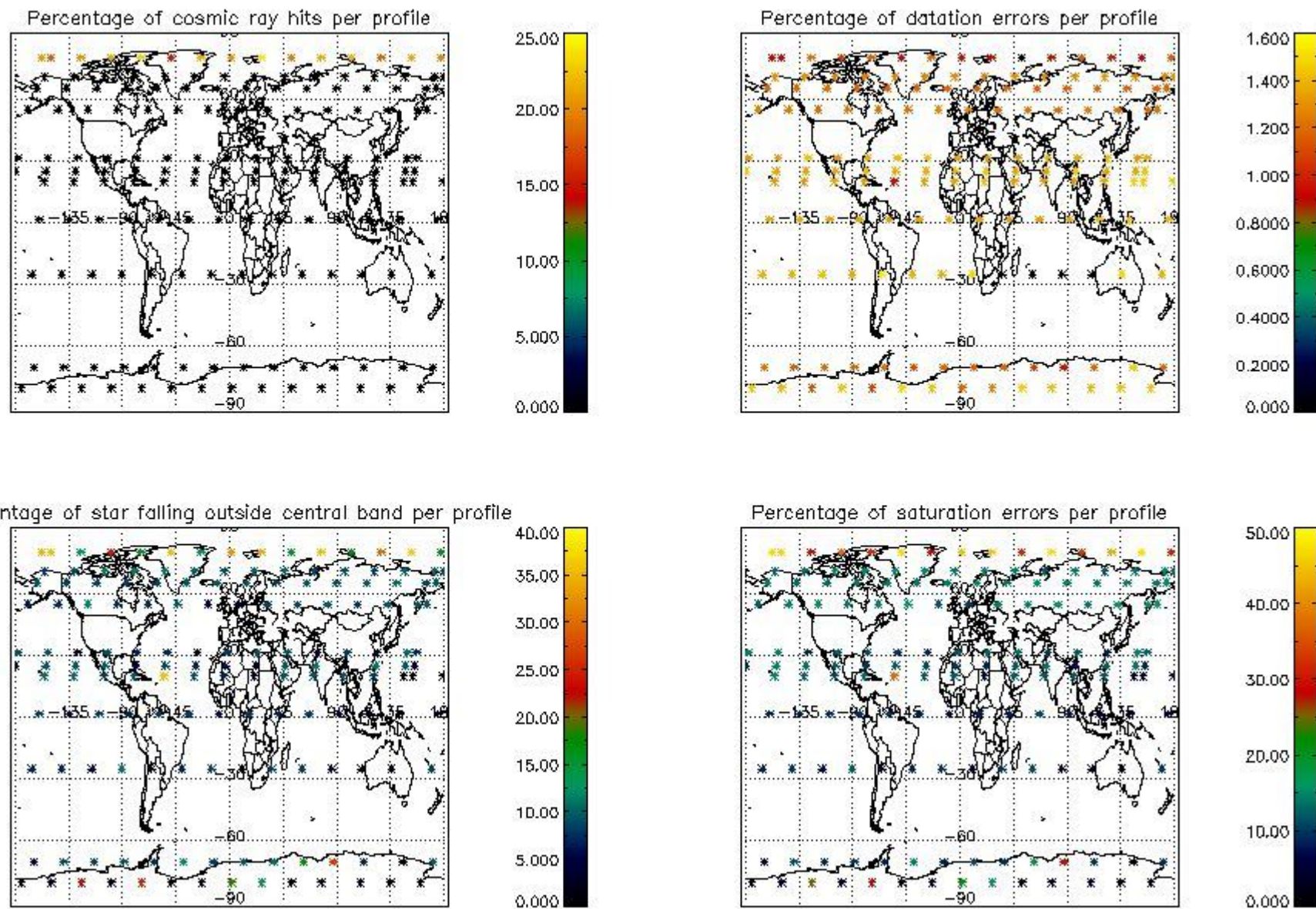


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

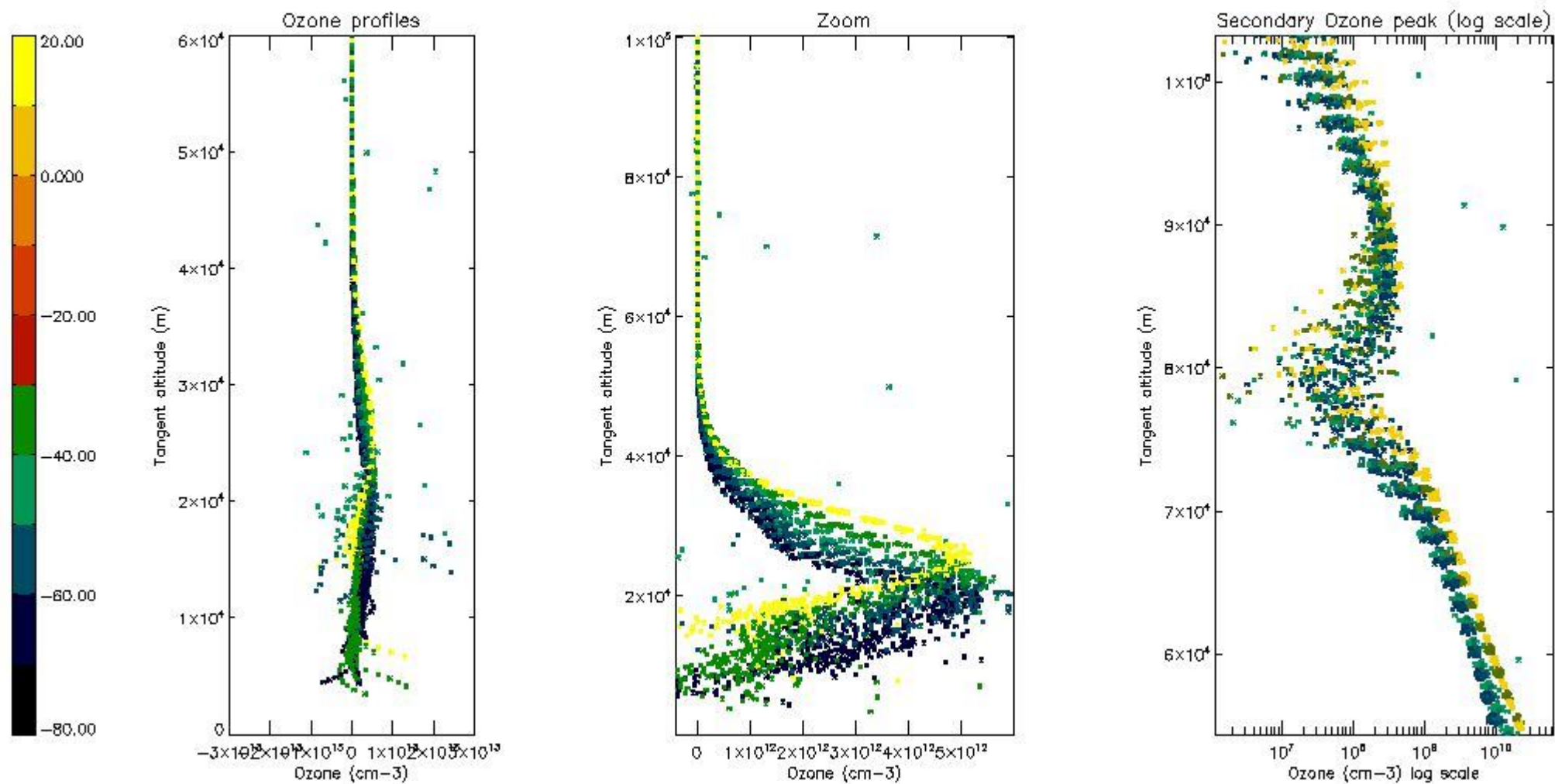
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	18

STD < 10	16
STD < 5	12

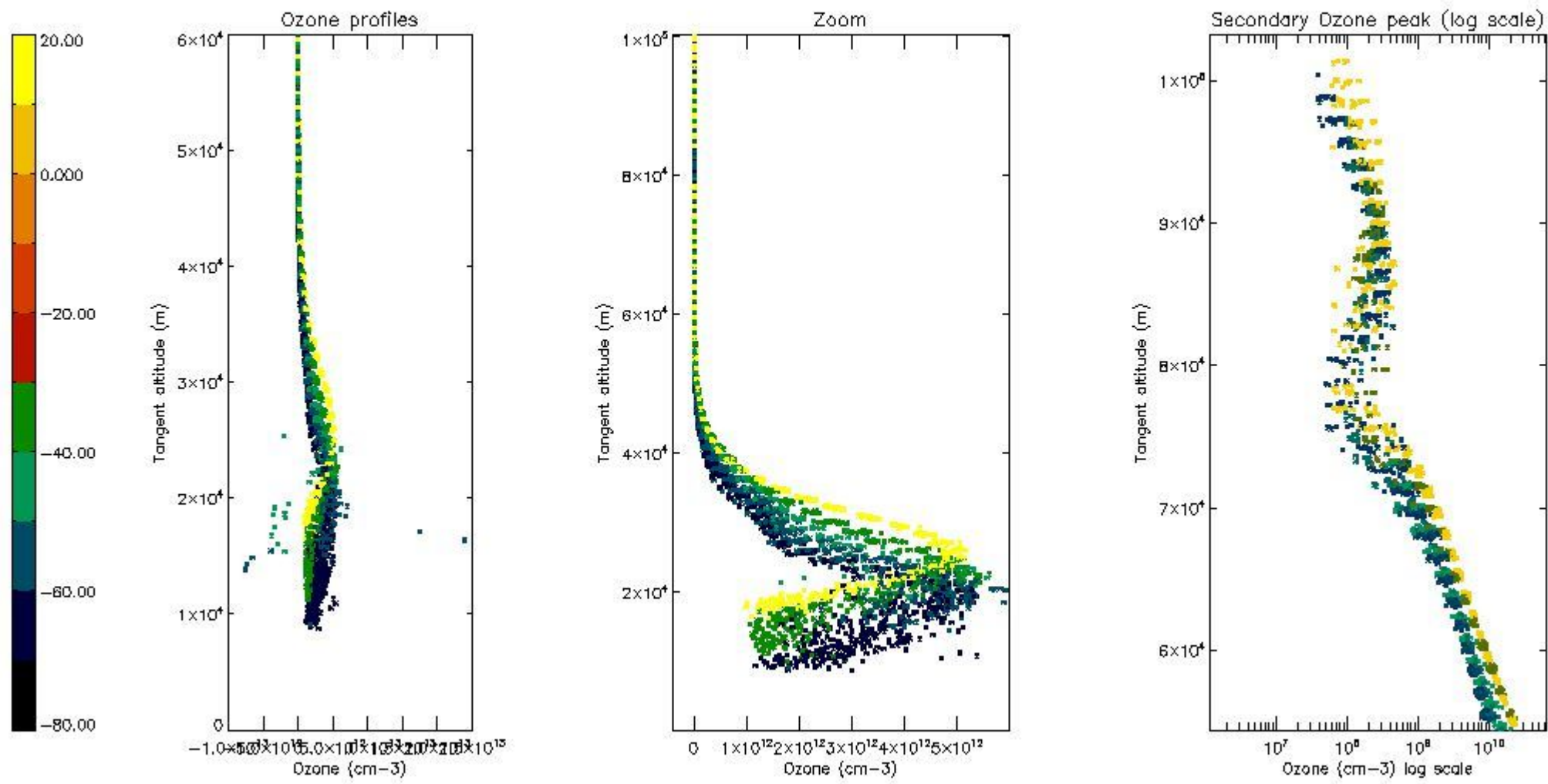
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



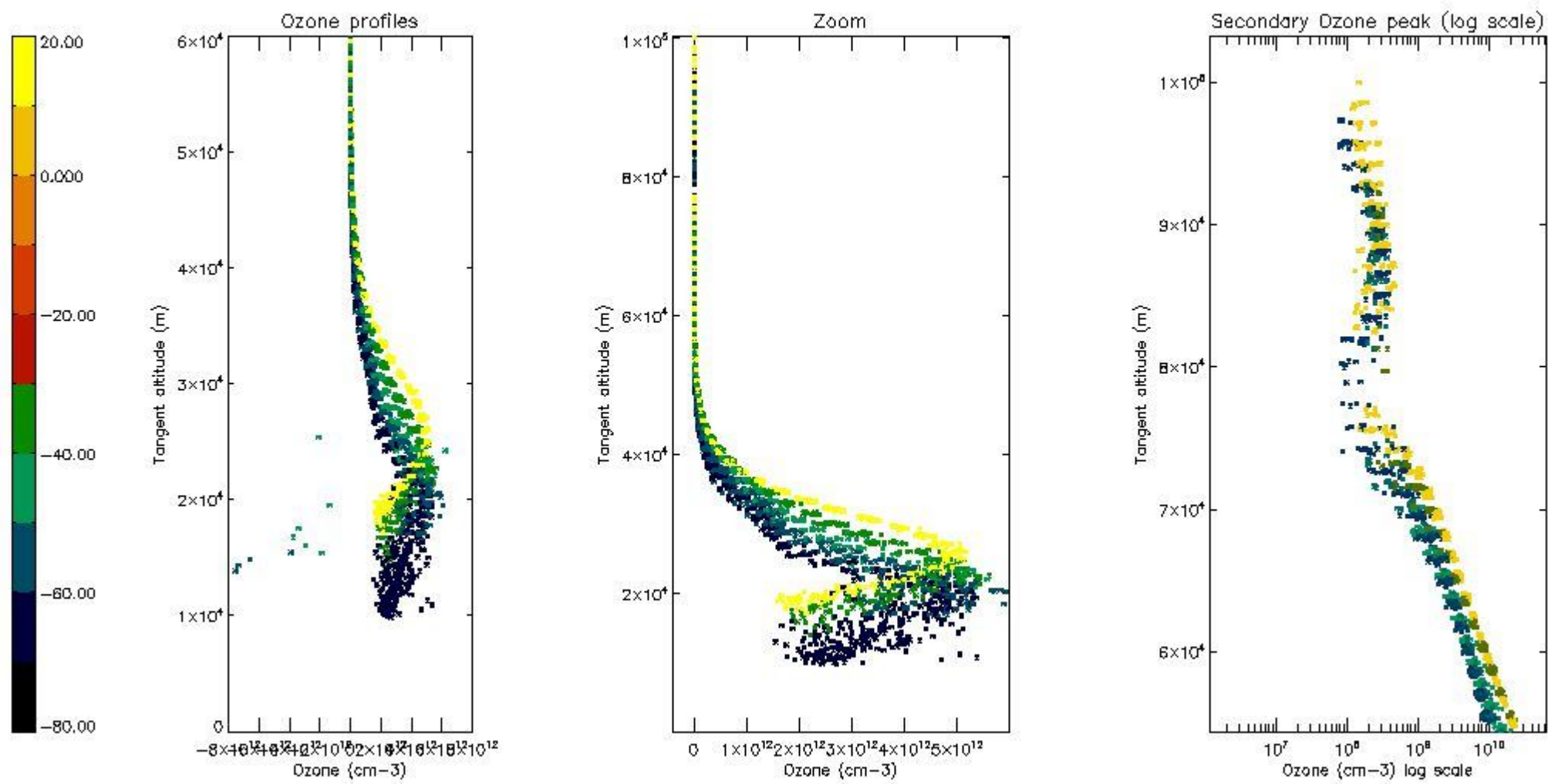
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



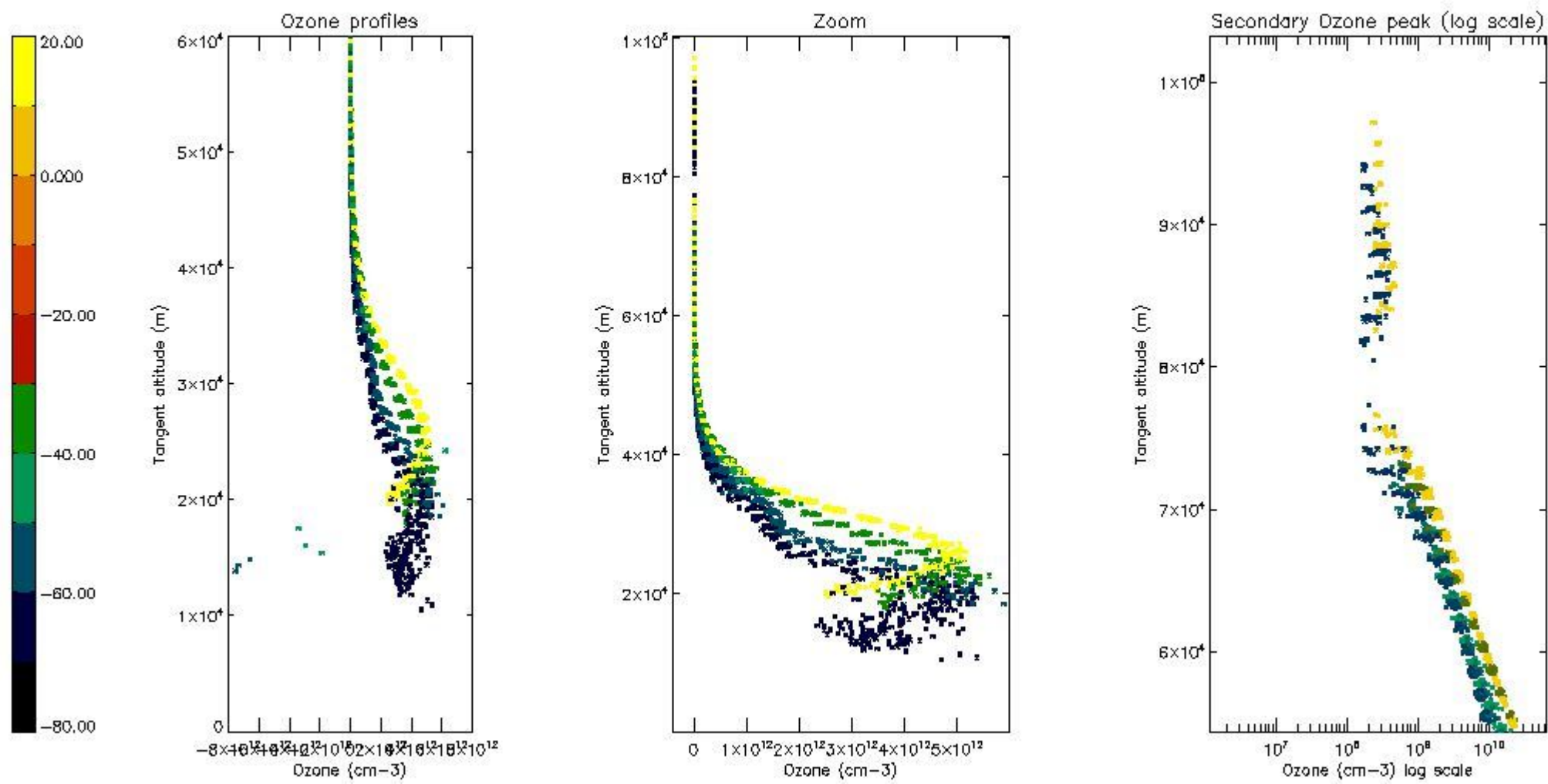
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



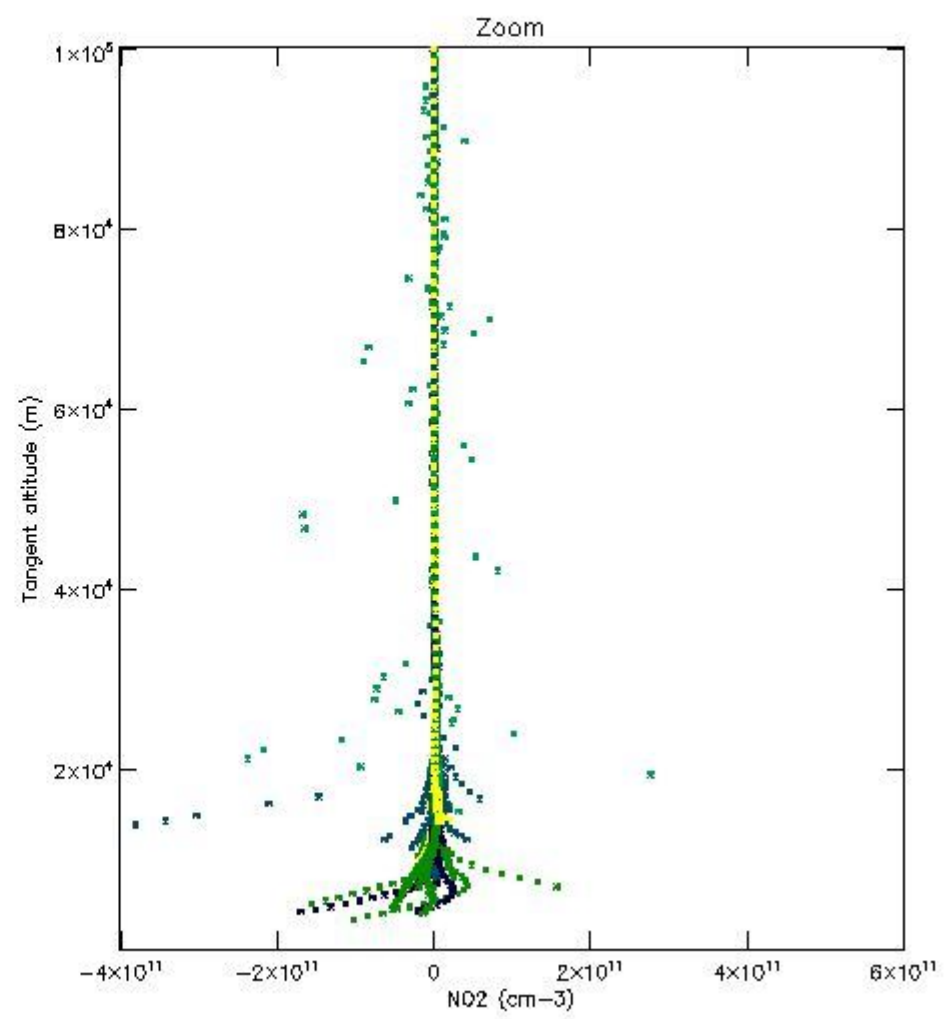
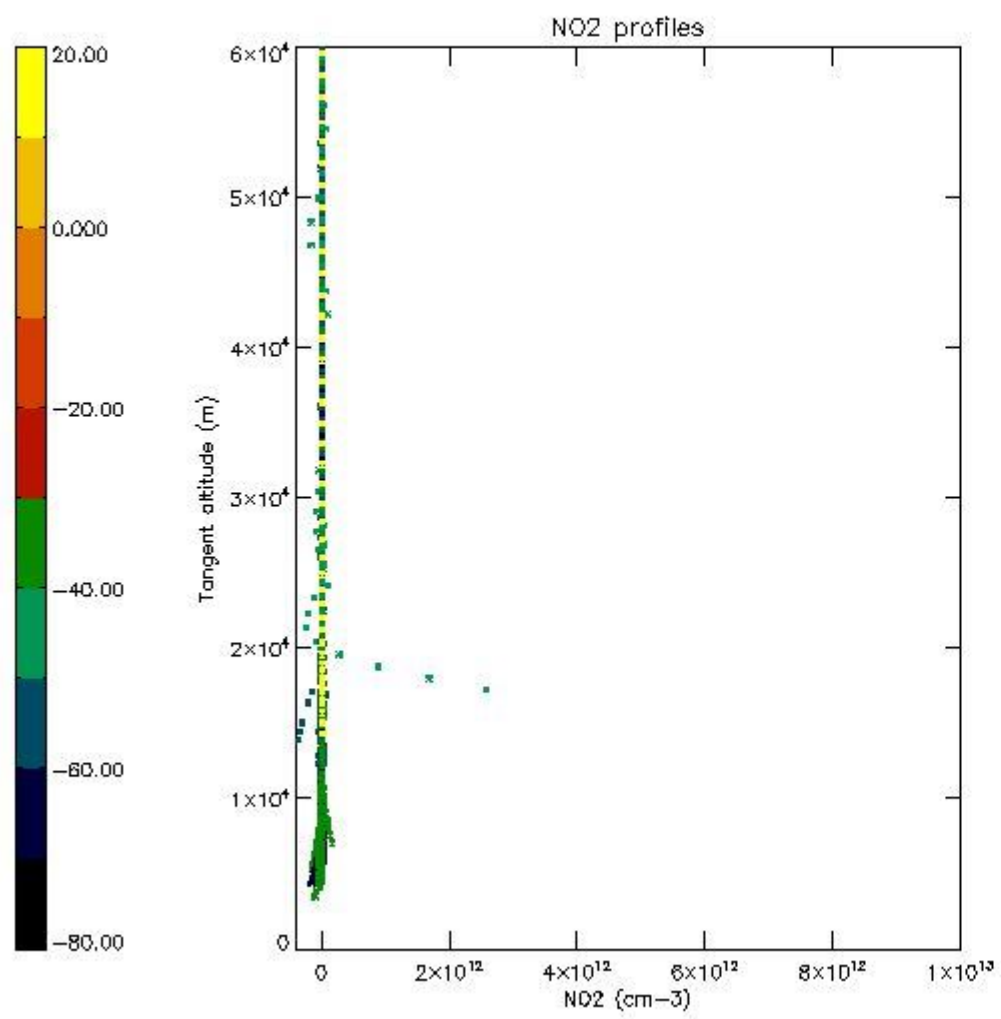
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



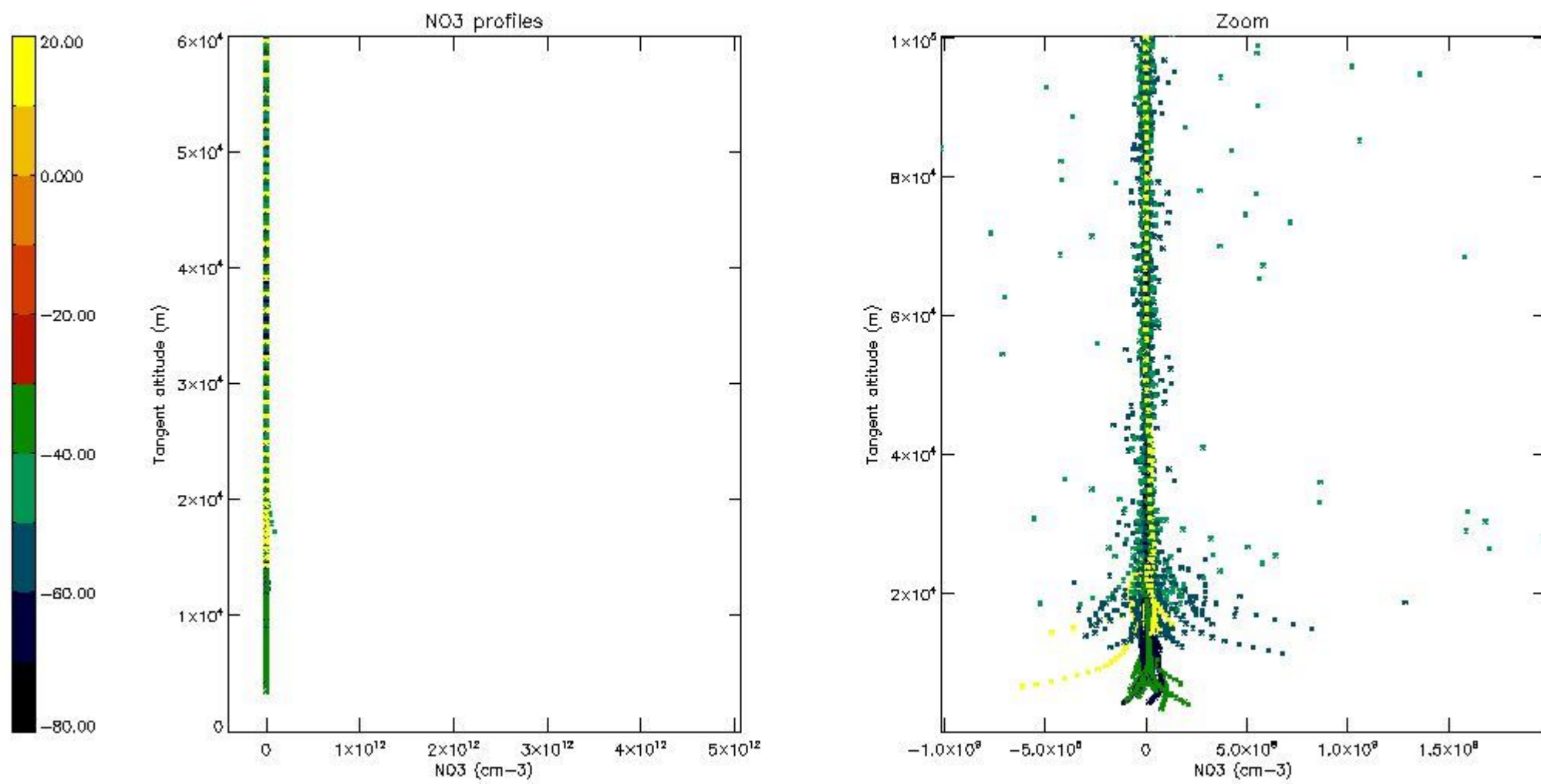
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



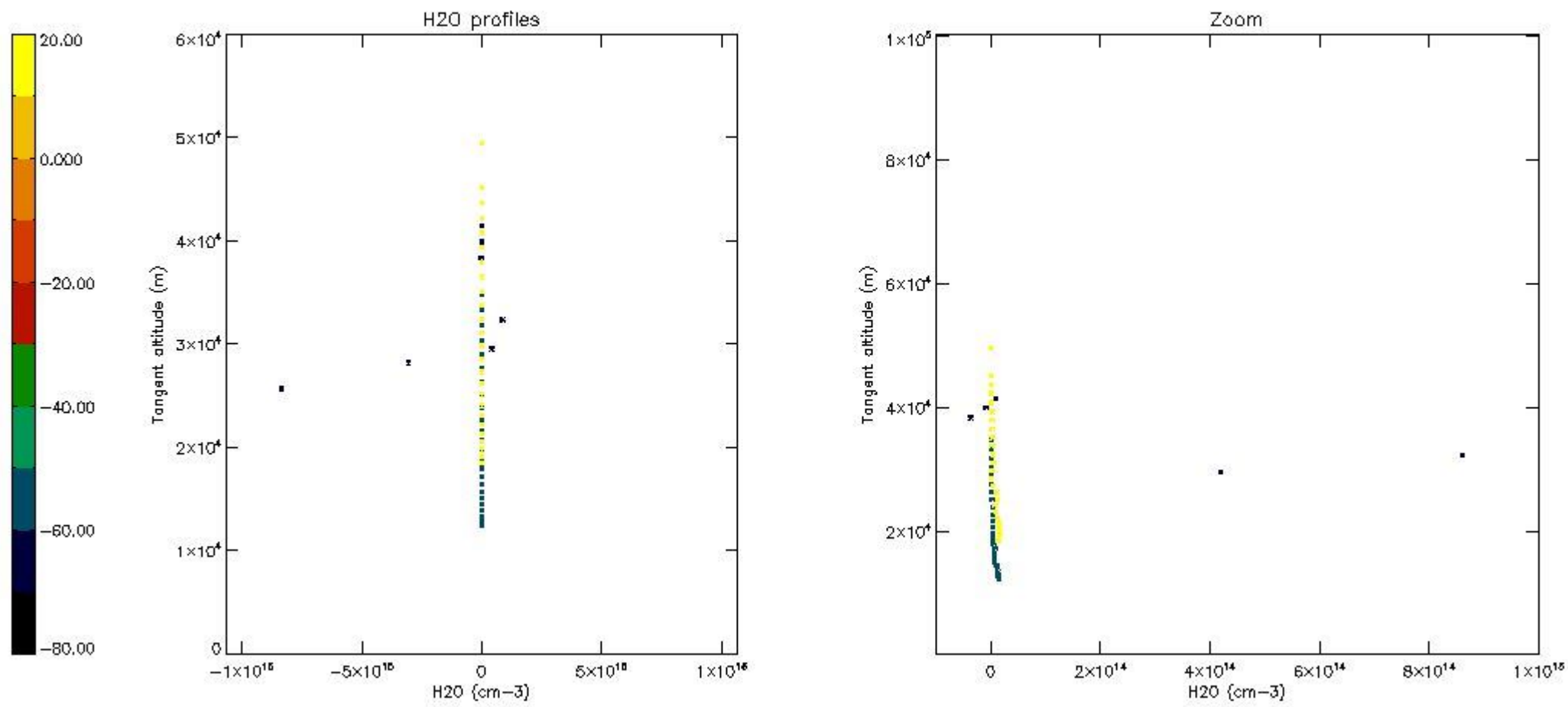
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

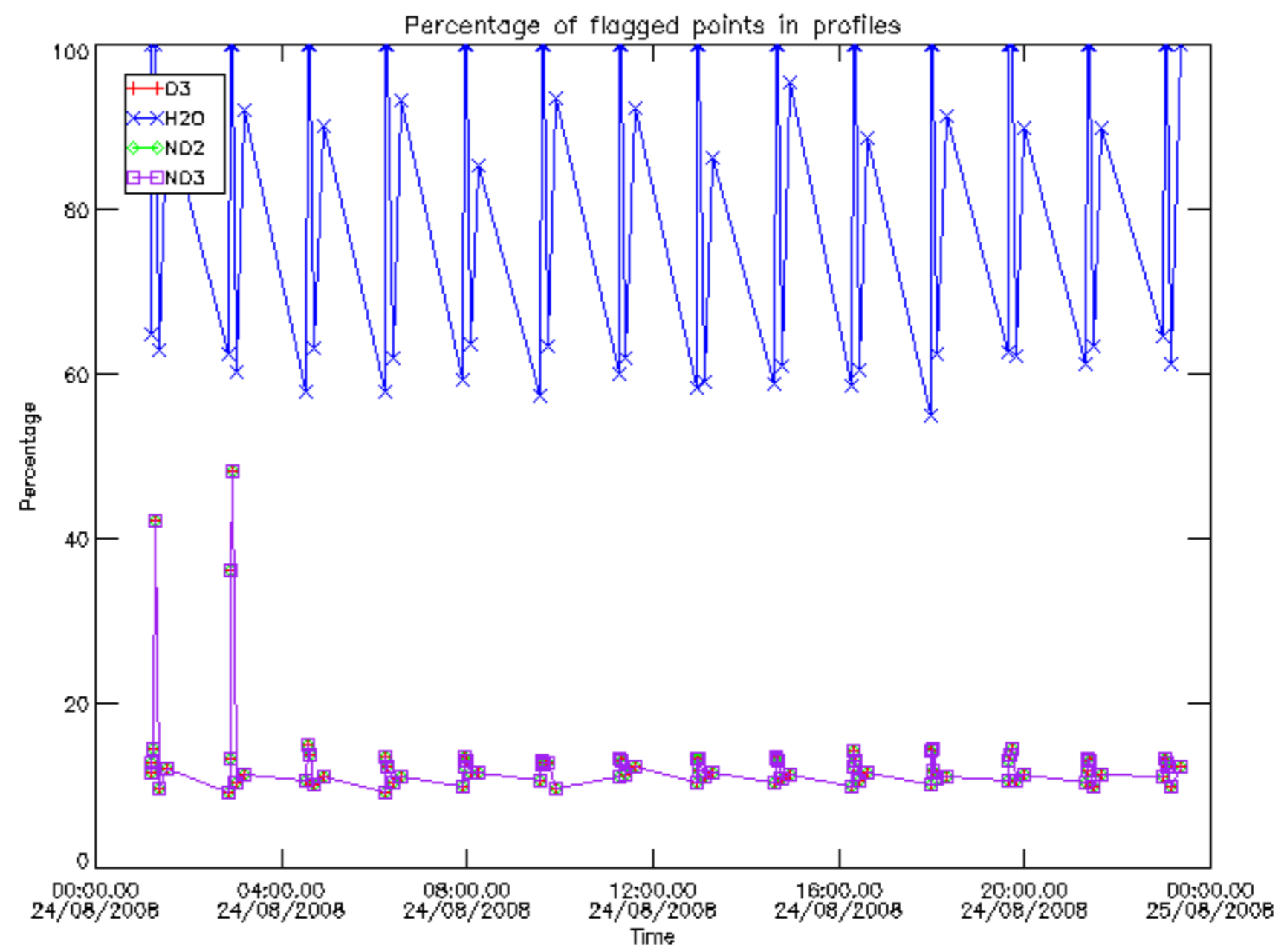
The colorbar represents the latitude.



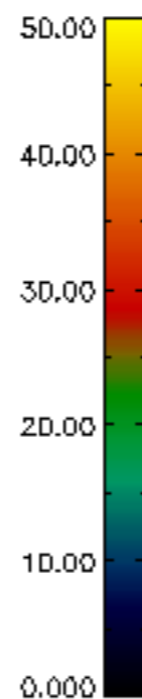
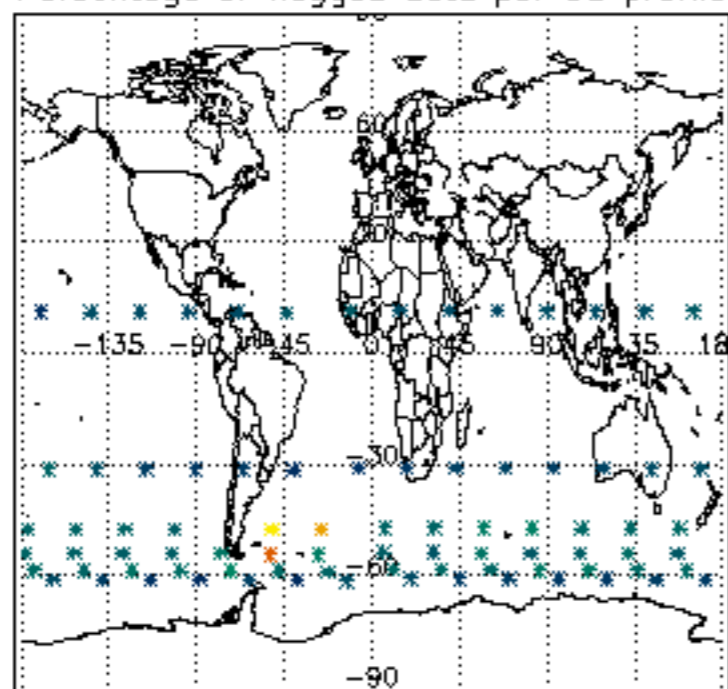
6. Auxiliary Data Files used for the production reported in section 2

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.

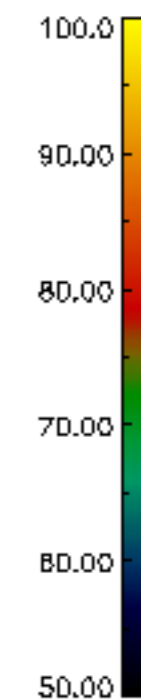
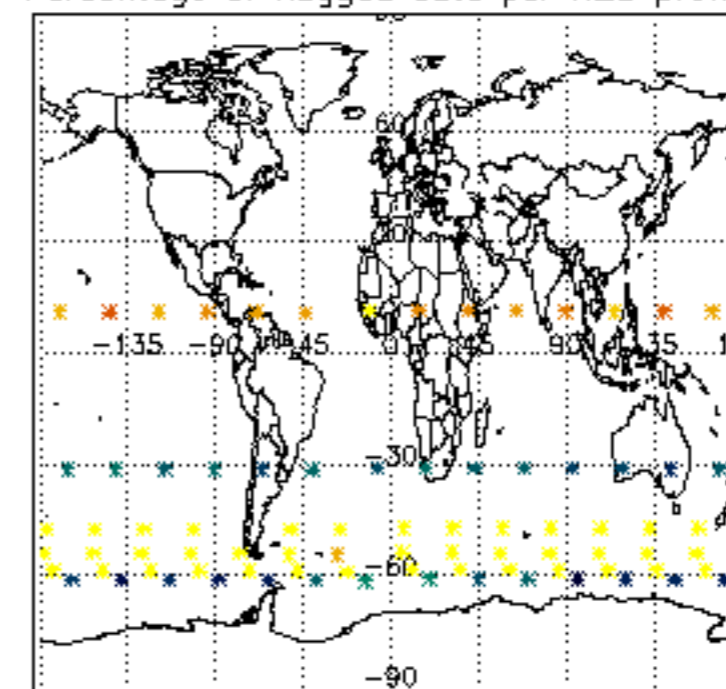
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-AUG-2008 00:00:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-AUG-2008 00:00:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-AUG-2008 00:00:32



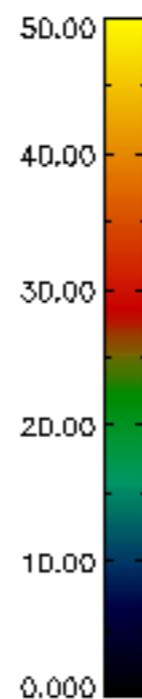
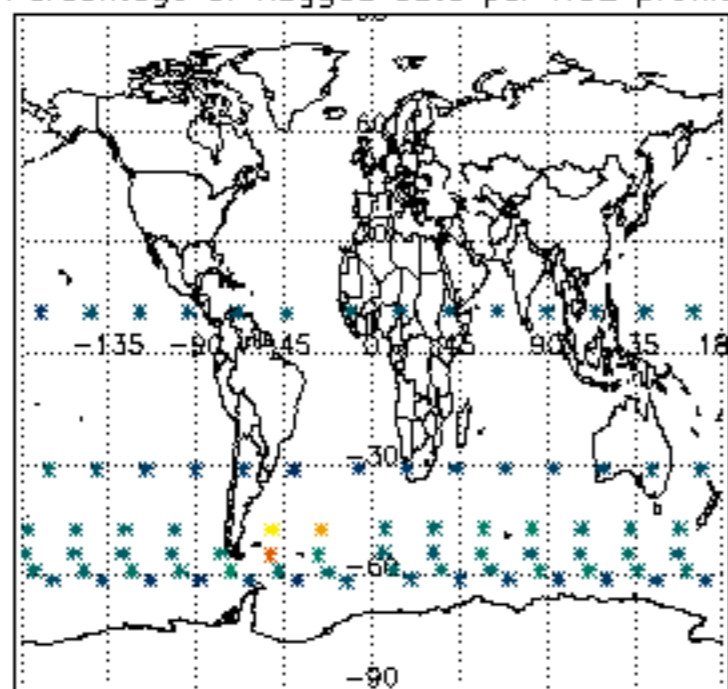
Percentage of flagged data per D3 profile



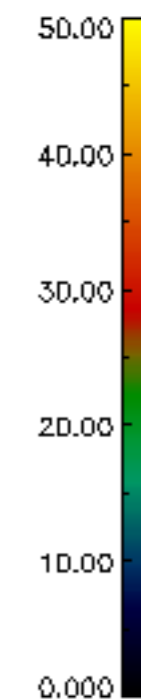
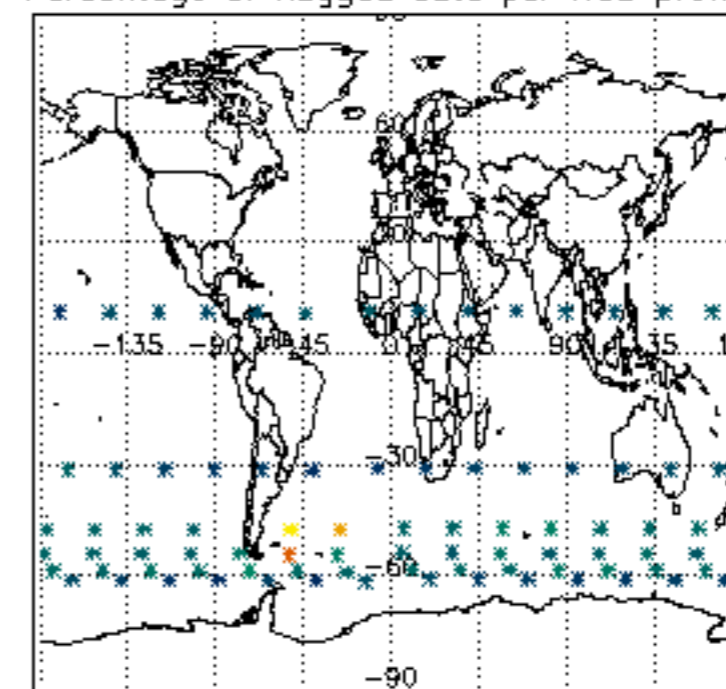
Percentage of flagged data per H2O profile

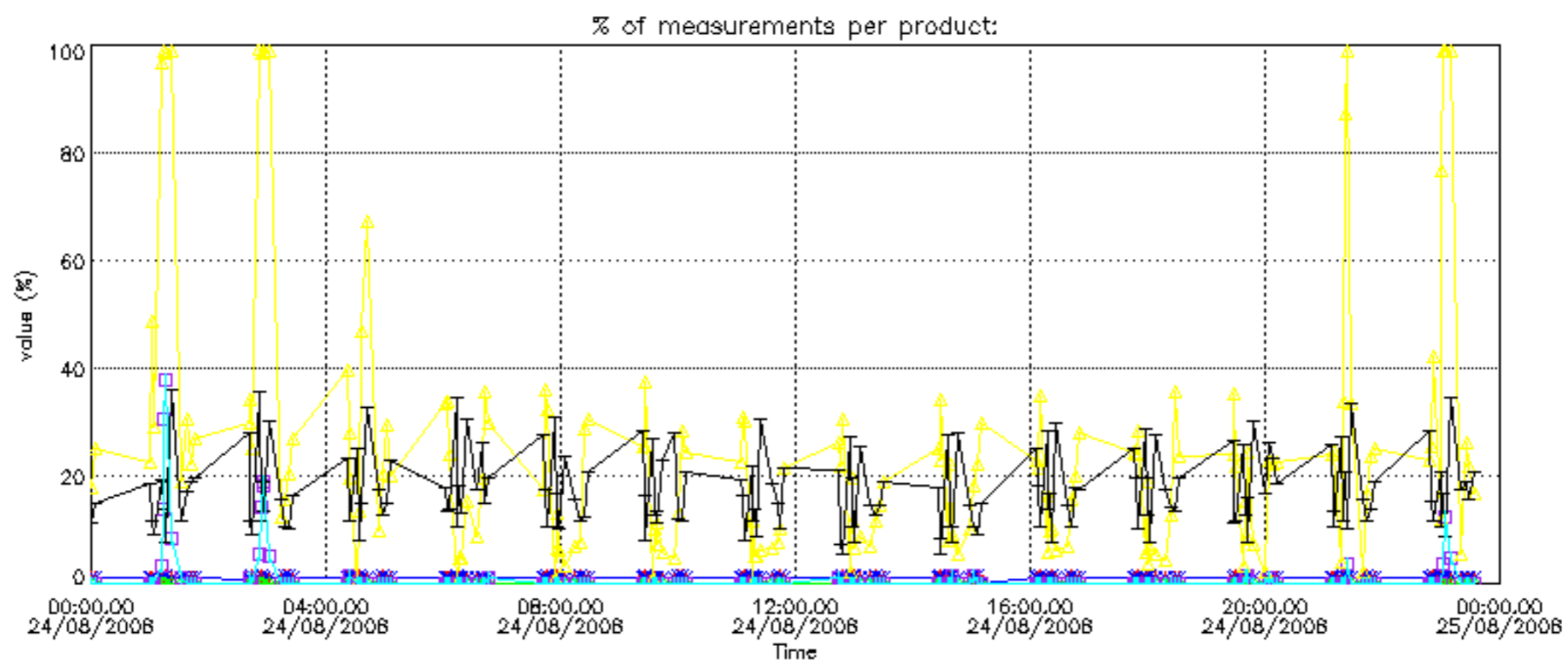


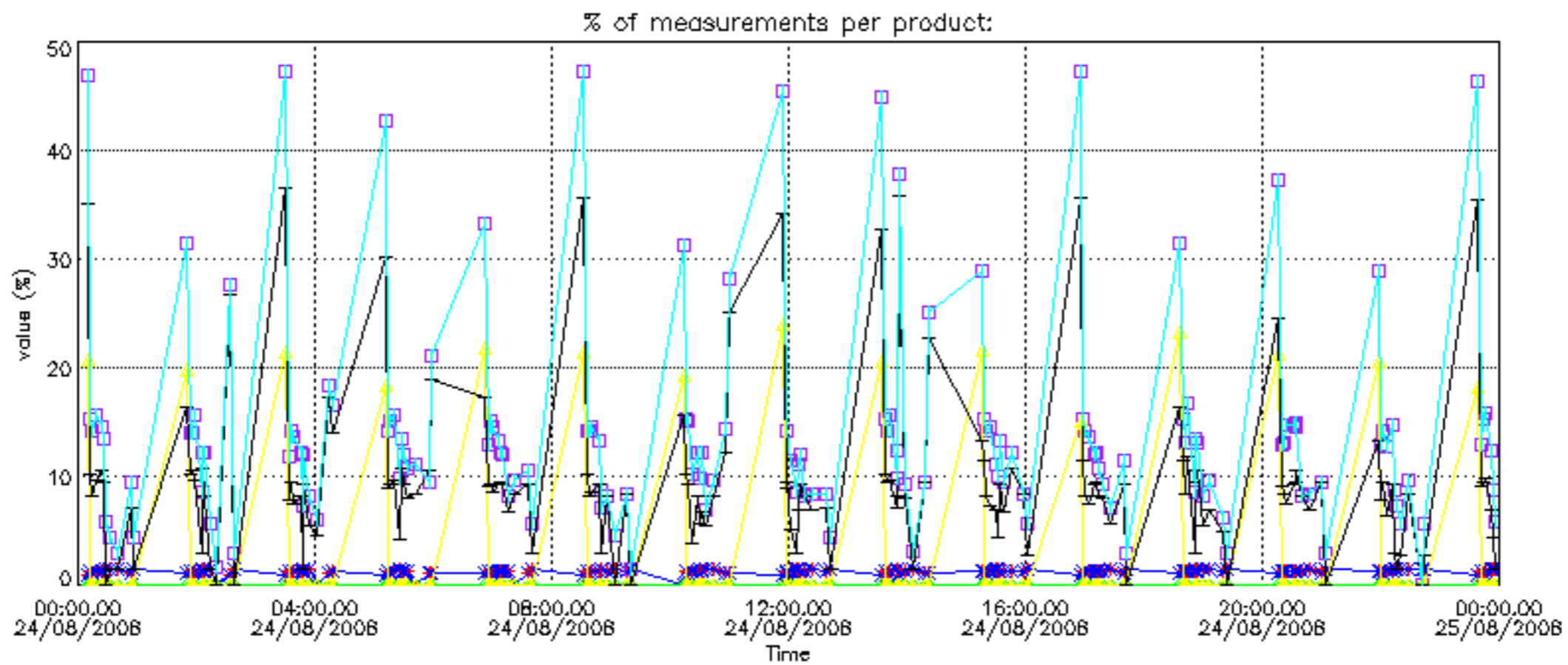
Percentage of flagged data per NO2 profile



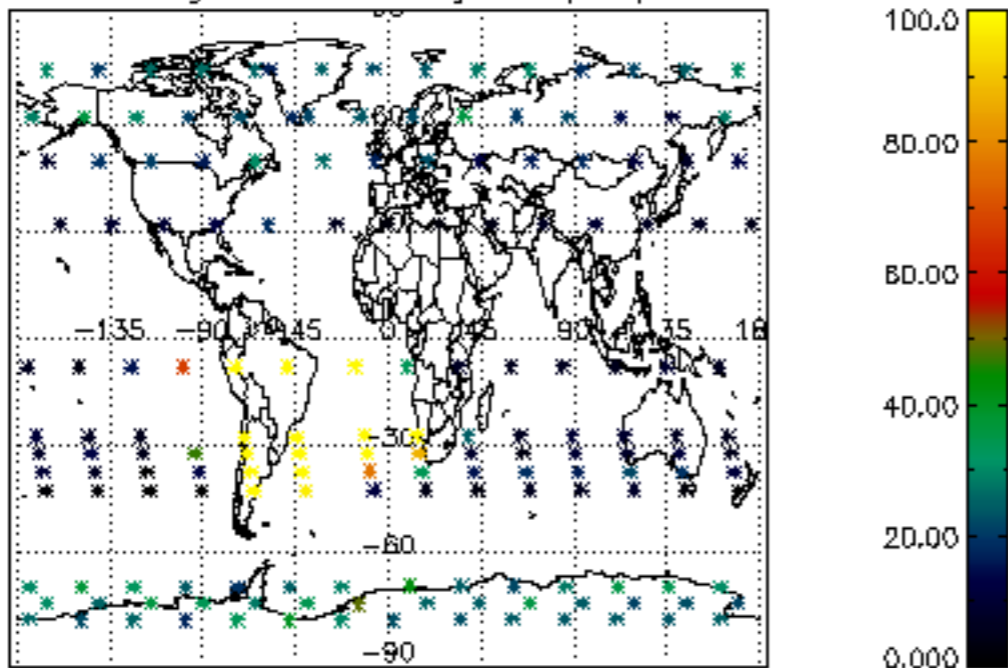
Percentage of flagged data per NO3 profile



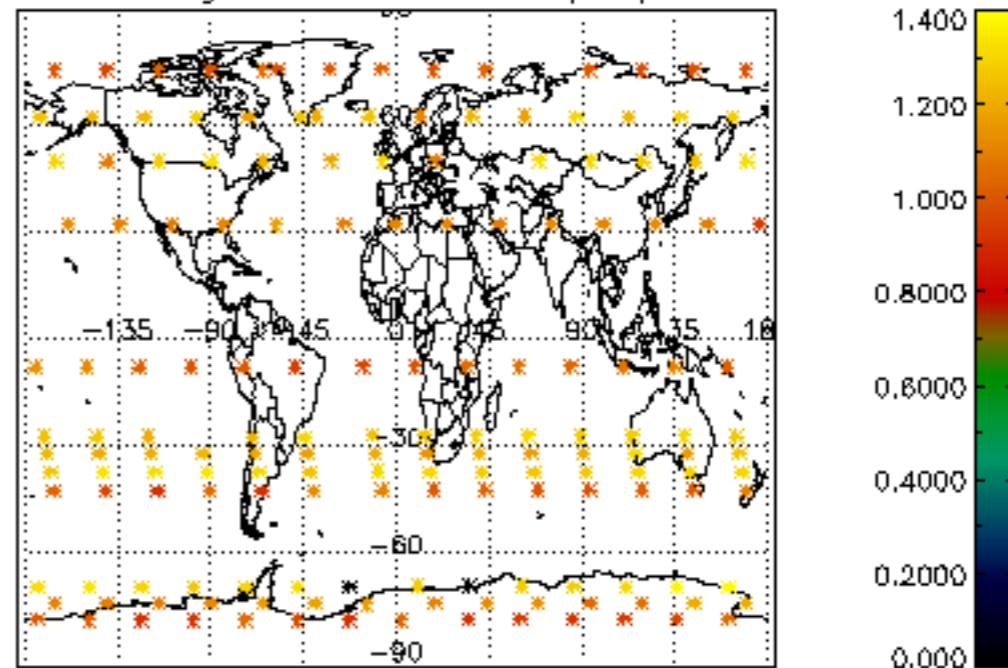




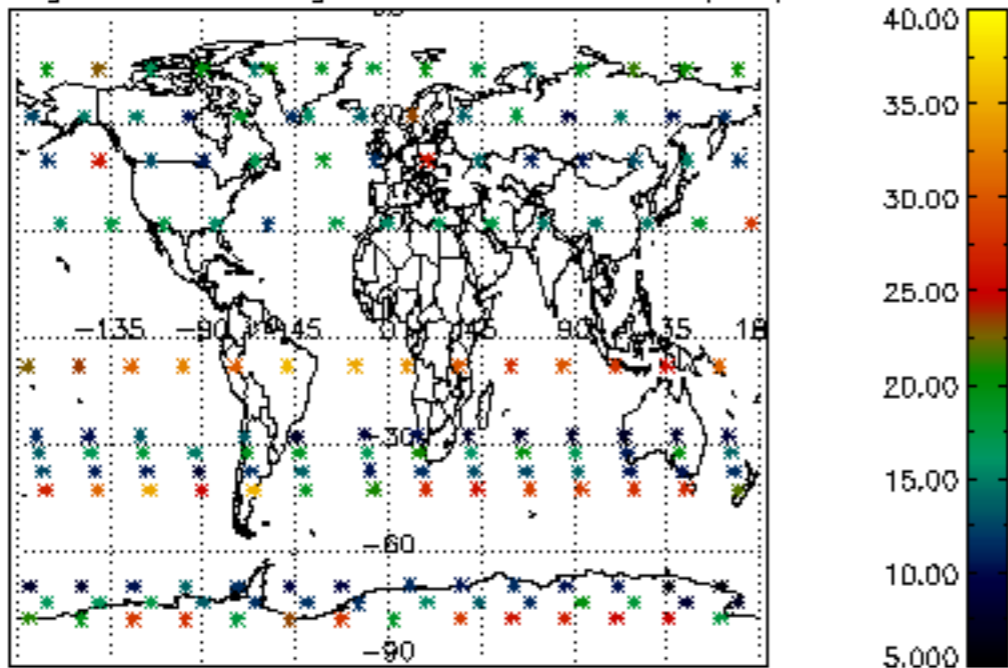
Percentage of cosmic ray hits per profile



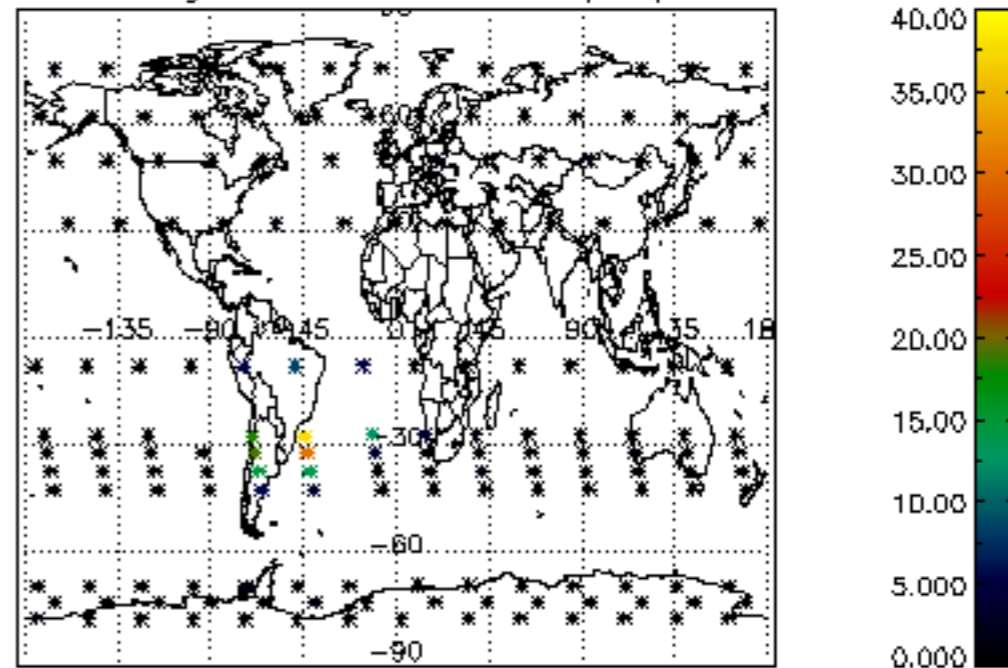
Percentage of datation errors per profile



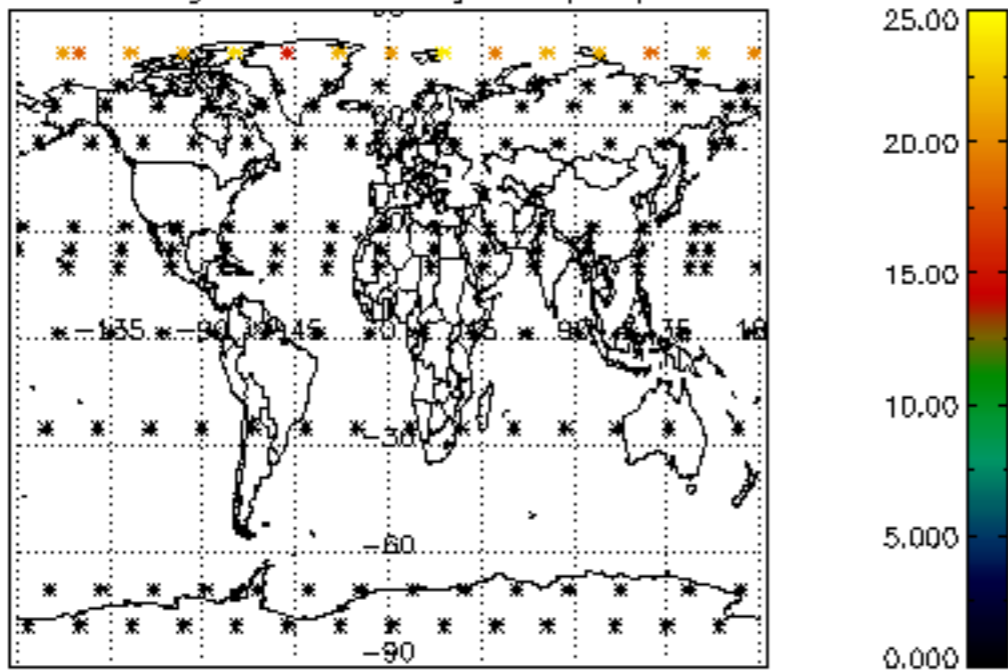
Percentage of star falling outside central band per profile



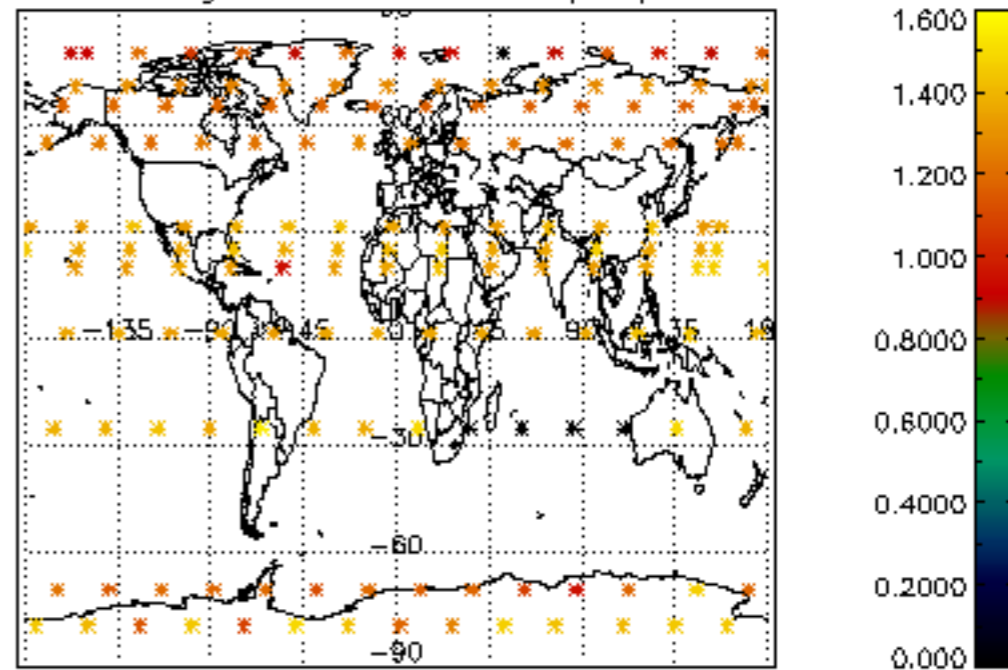
Percentage of saturation errors per profile



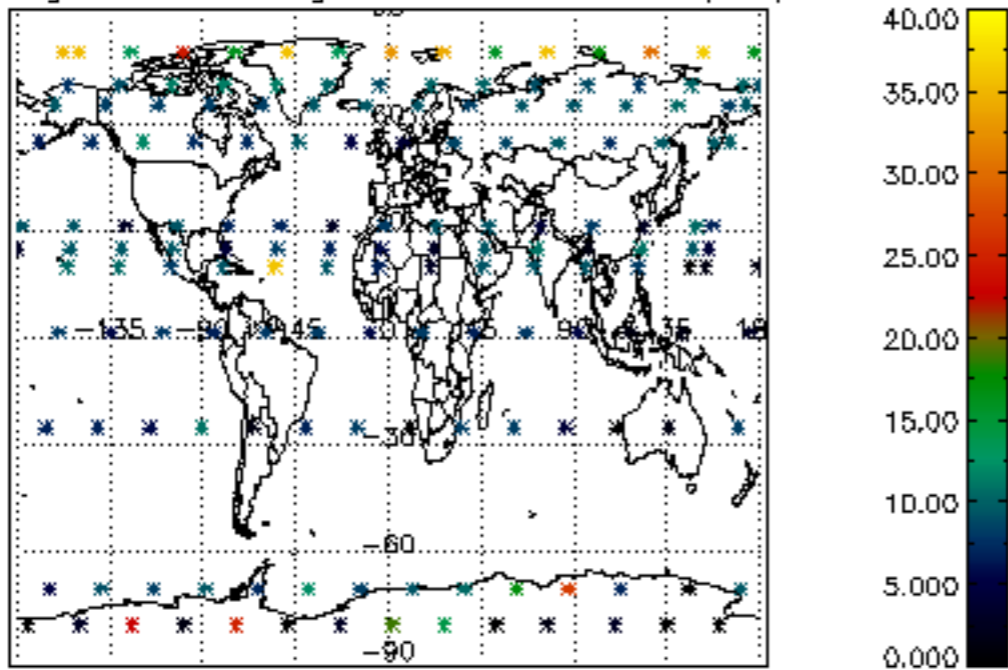
Percentage of cosmic ray hits per profile



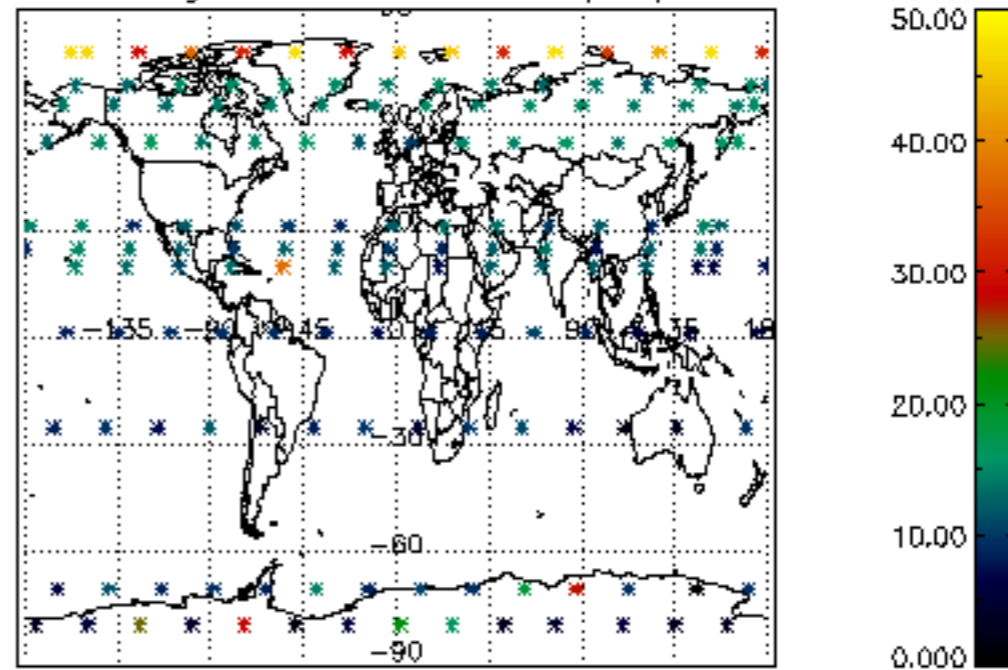
Percentage of datation errors per profile

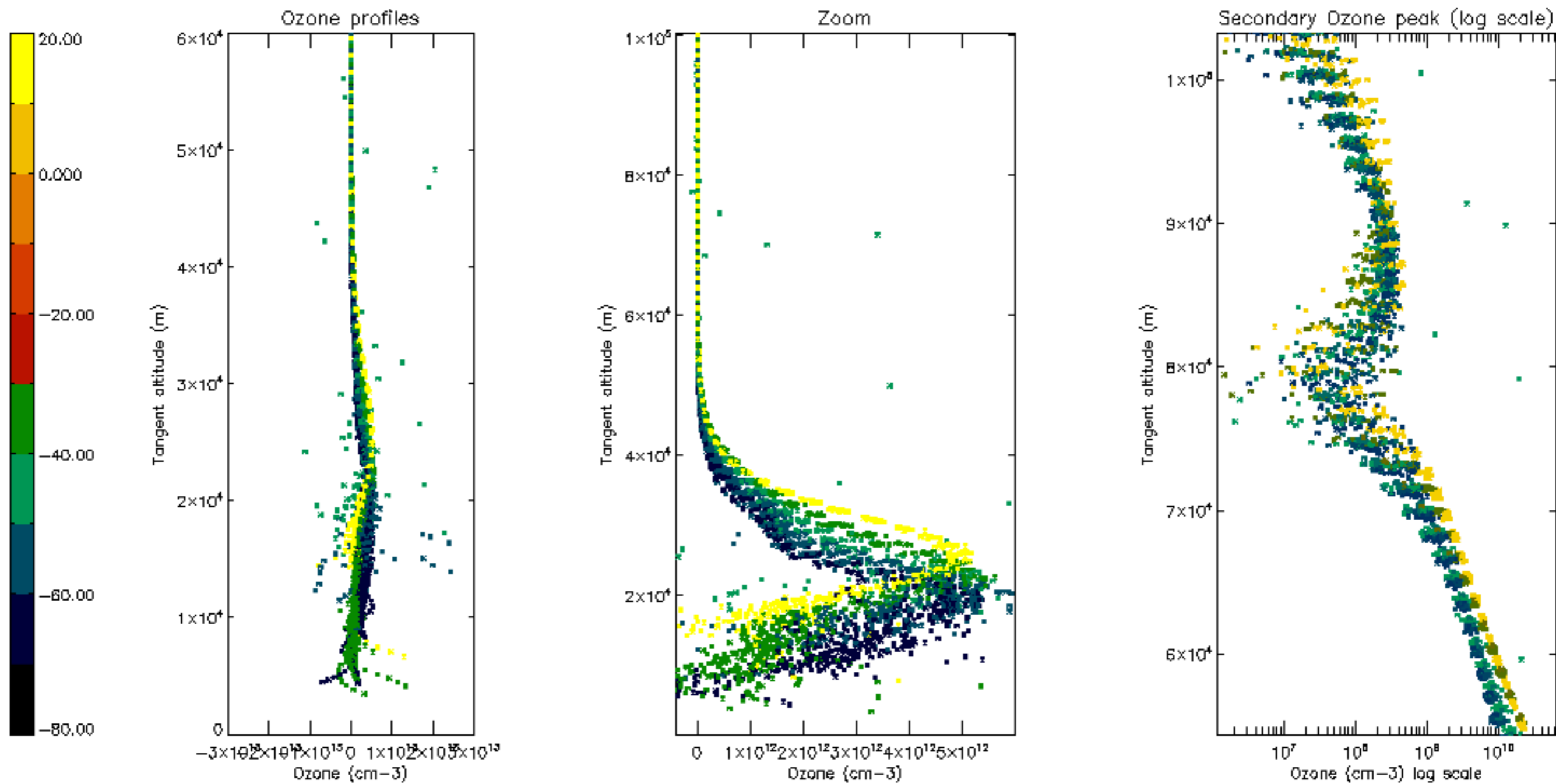


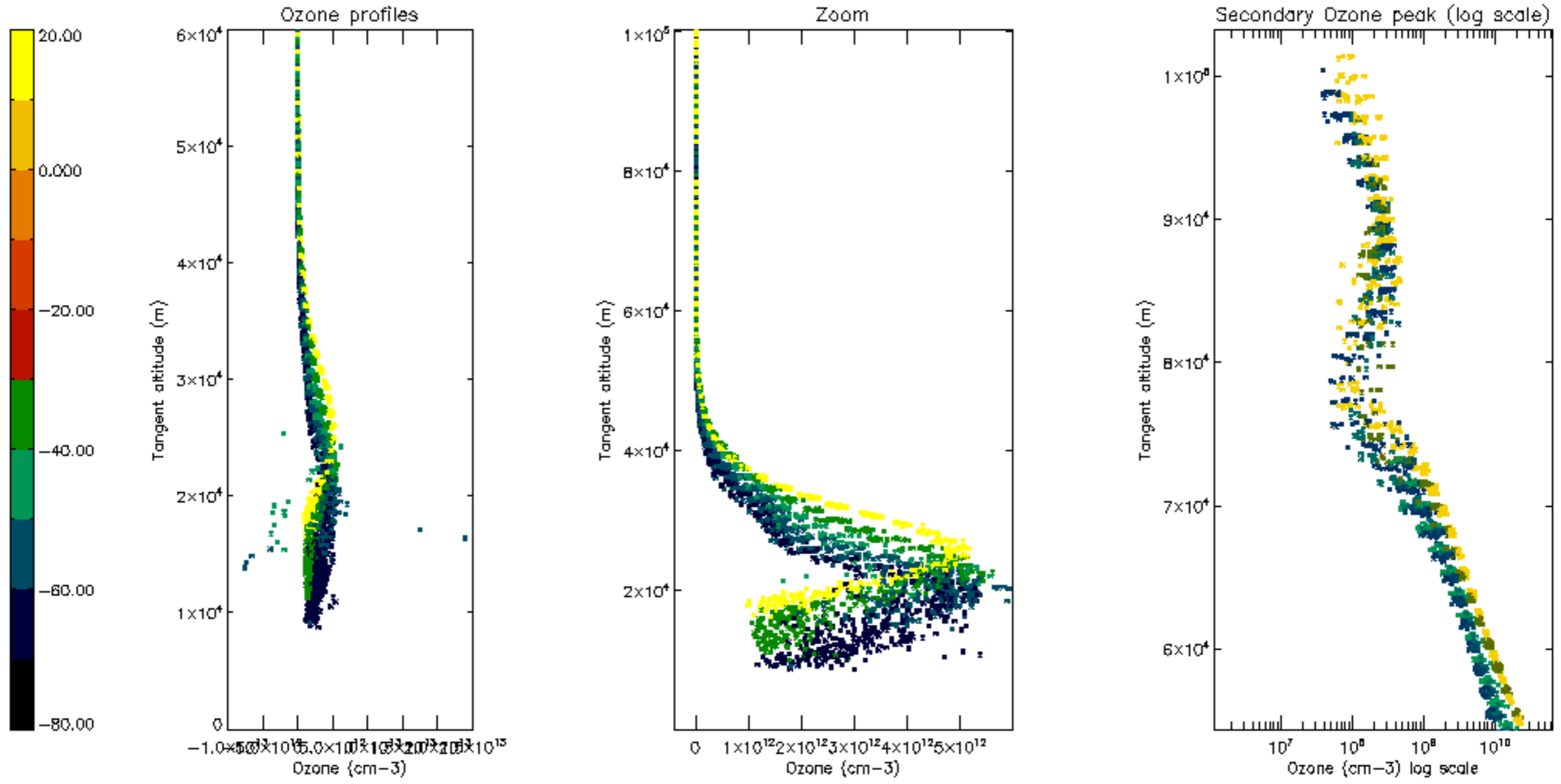
Percentage of star falling outside central band per profile

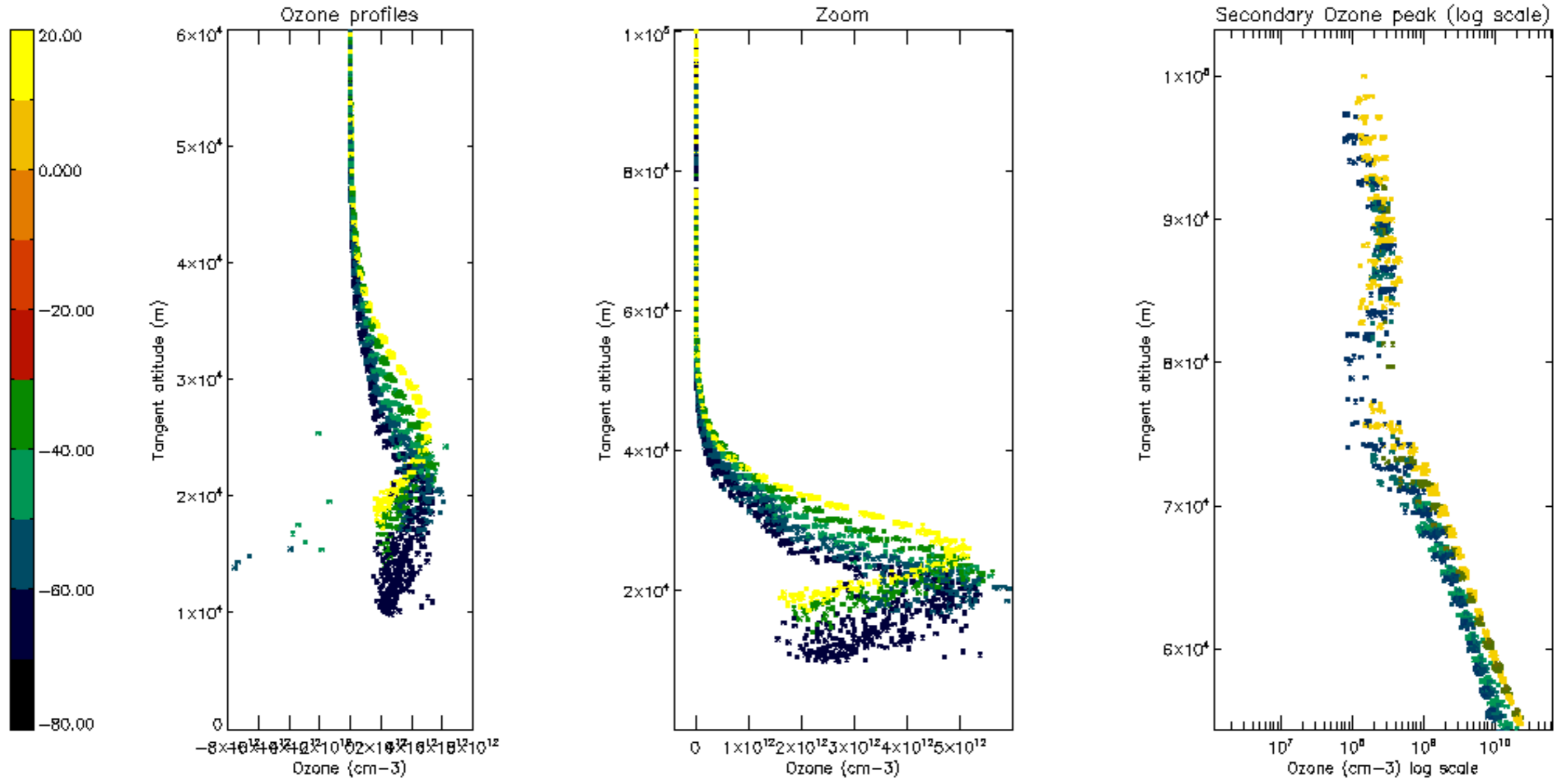


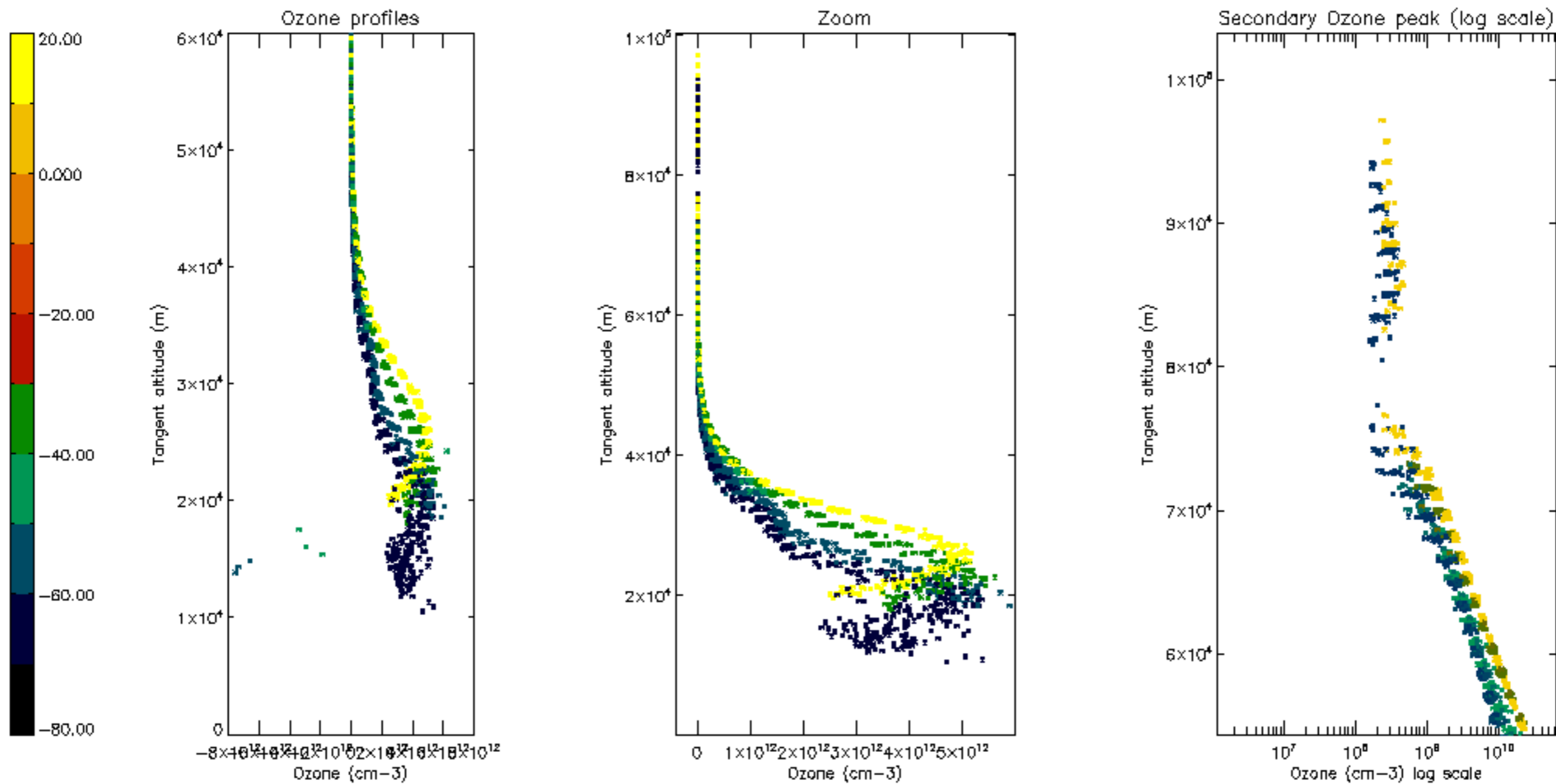
Percentage of saturation errors per profile

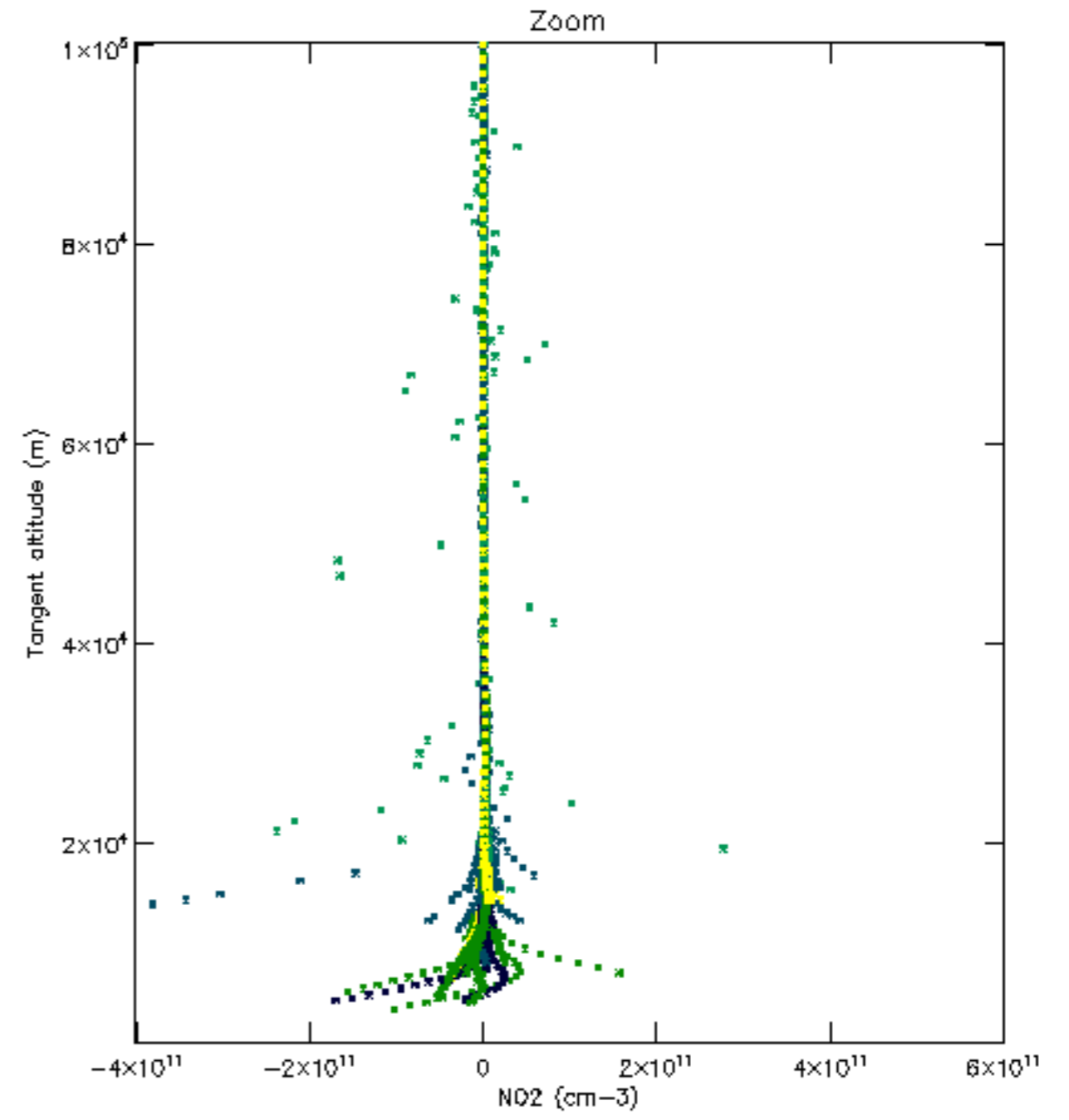
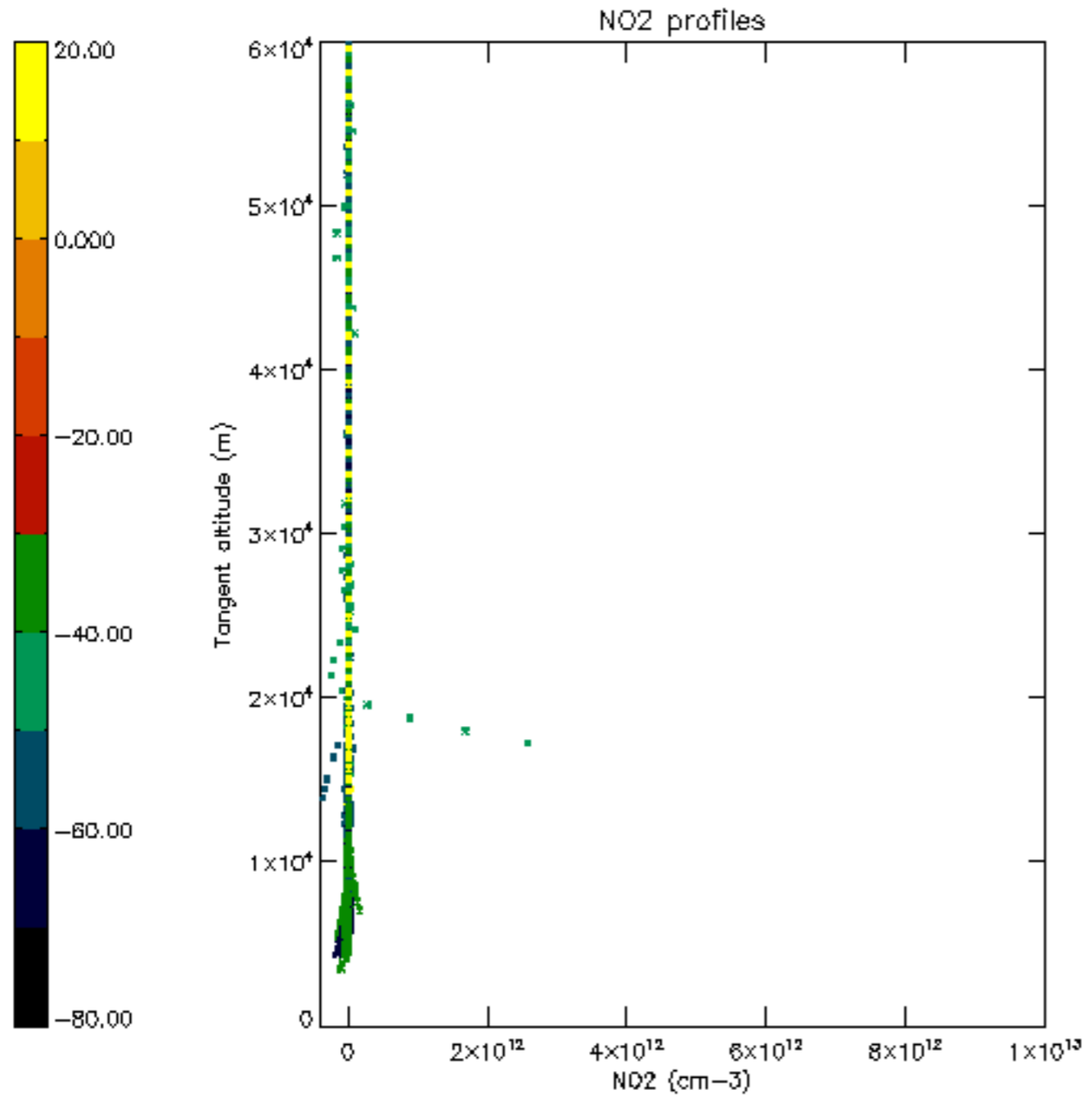


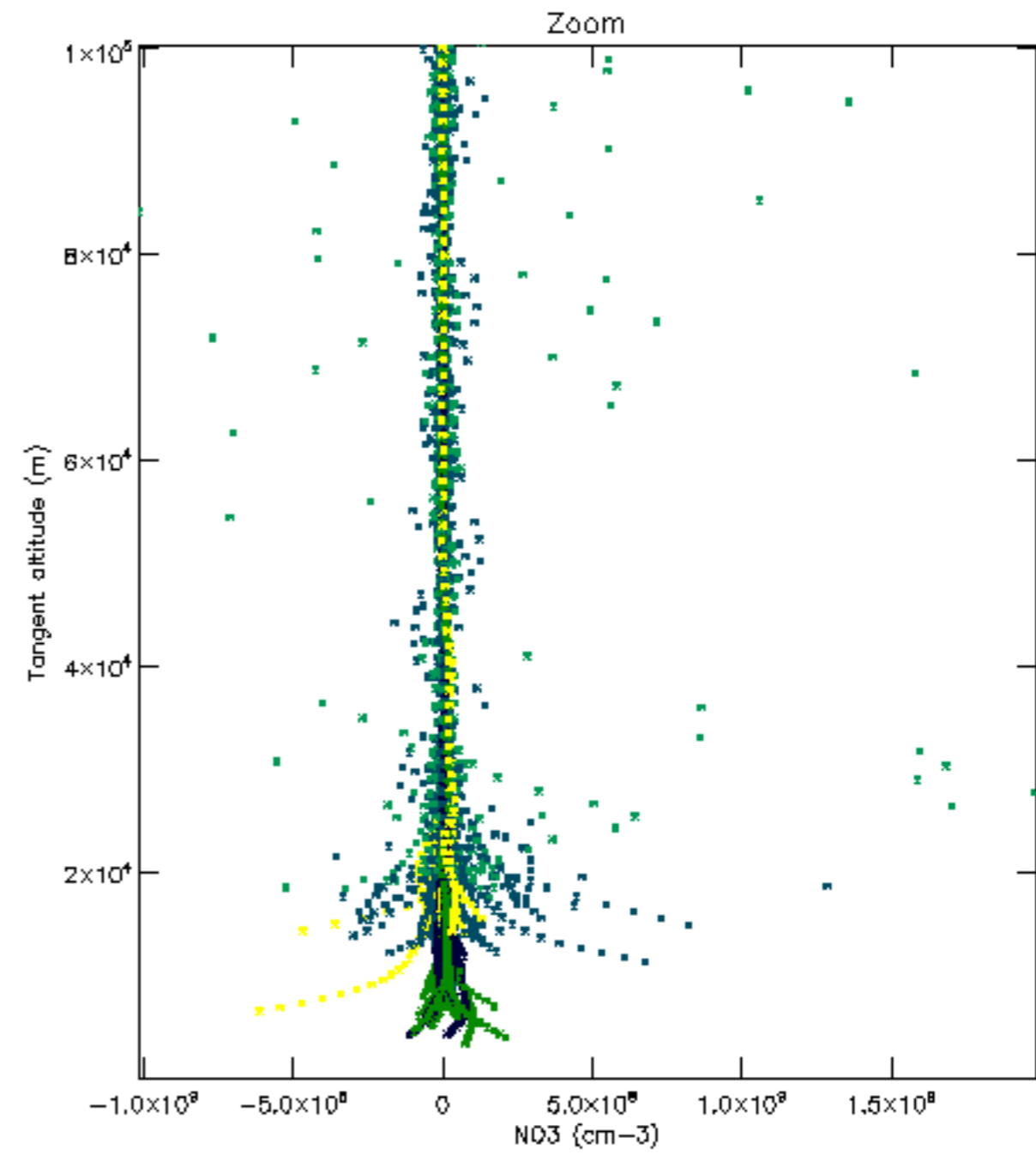
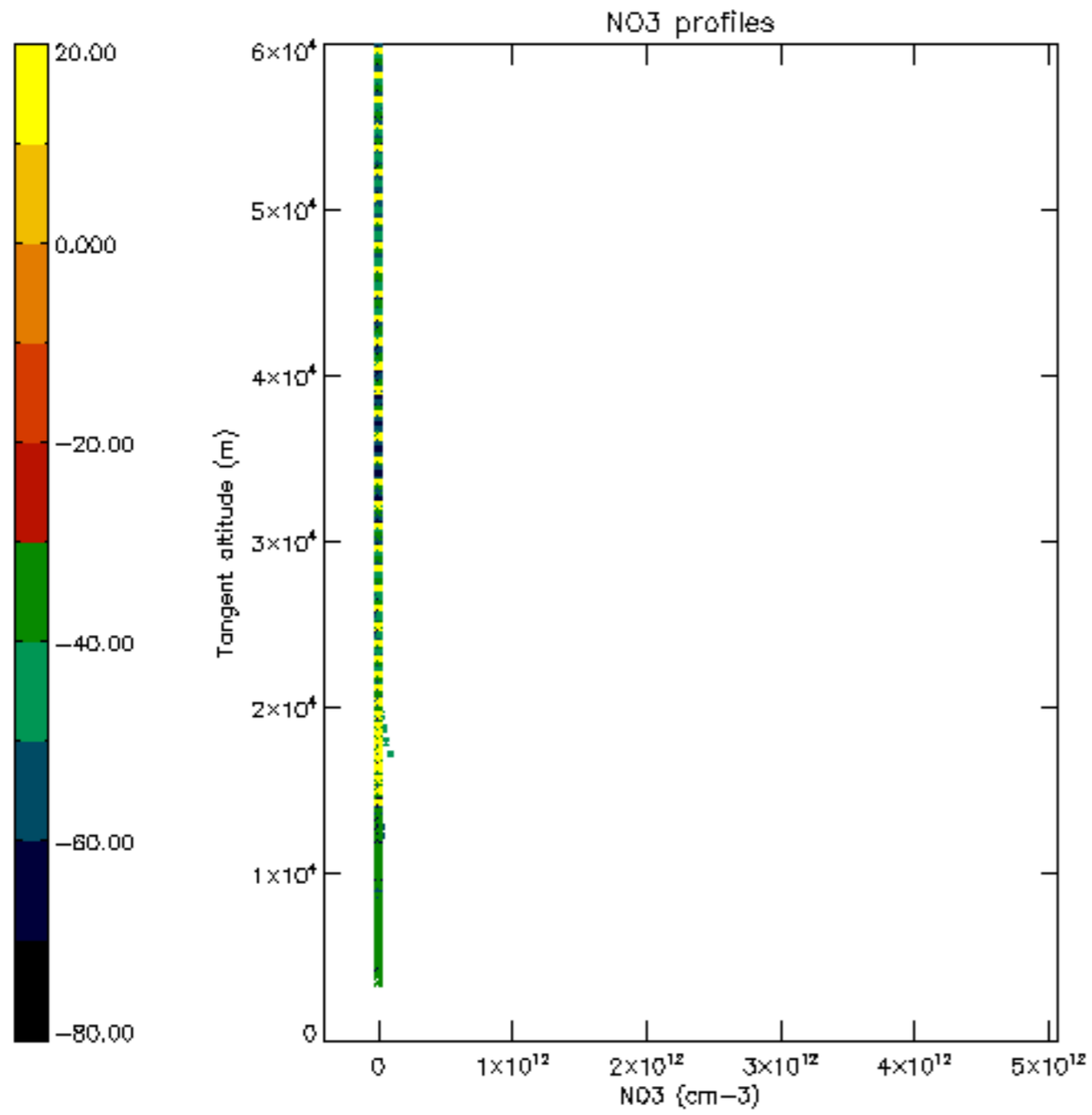


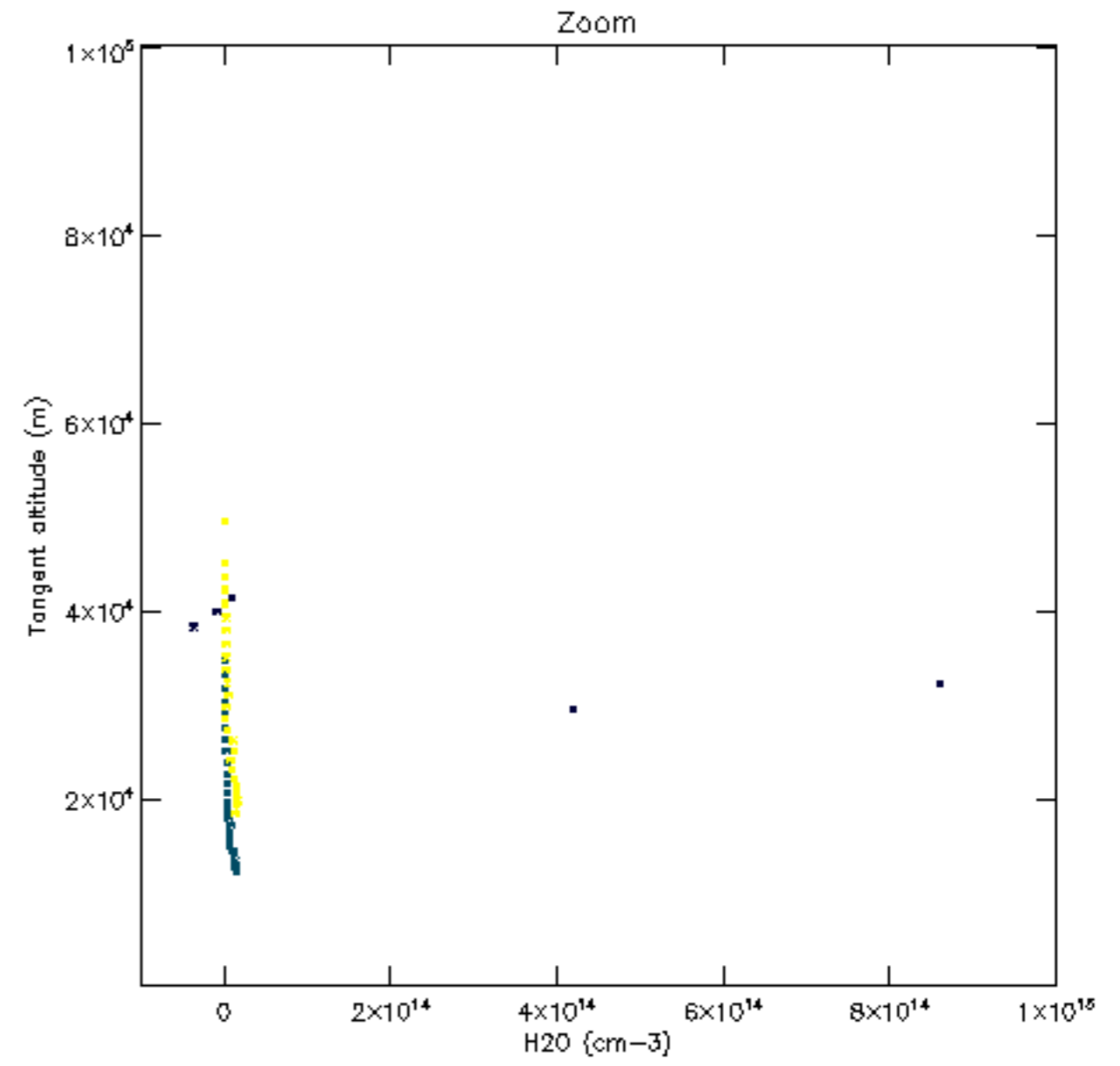
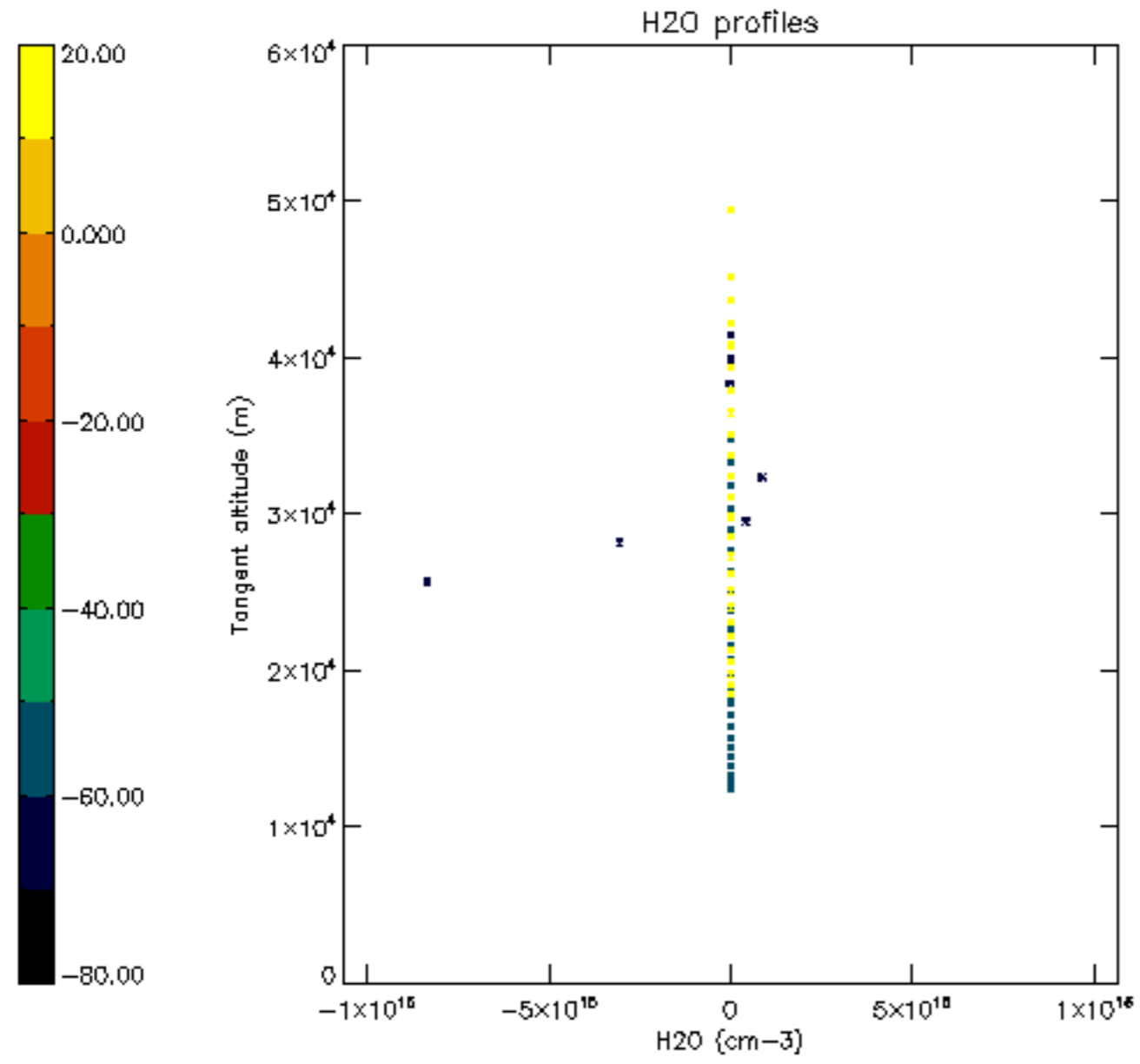


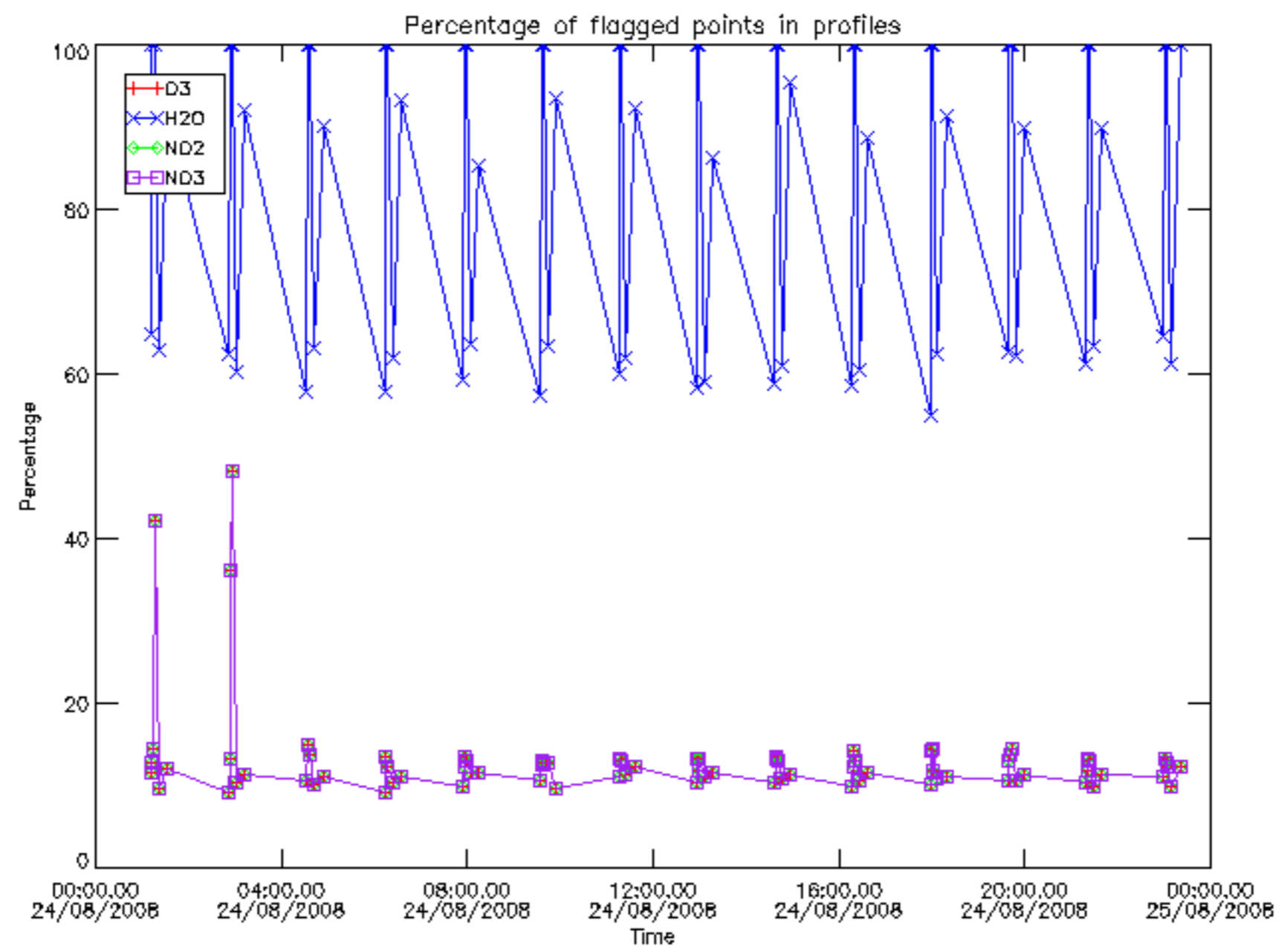




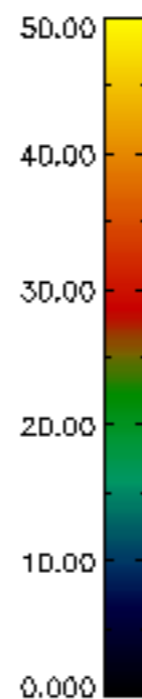
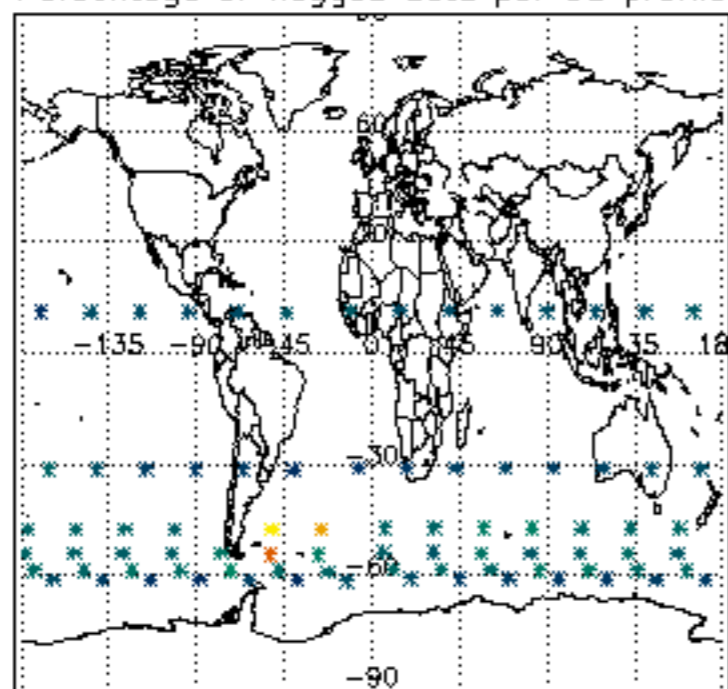




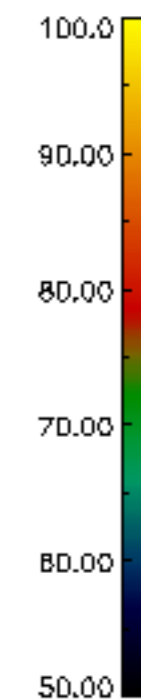
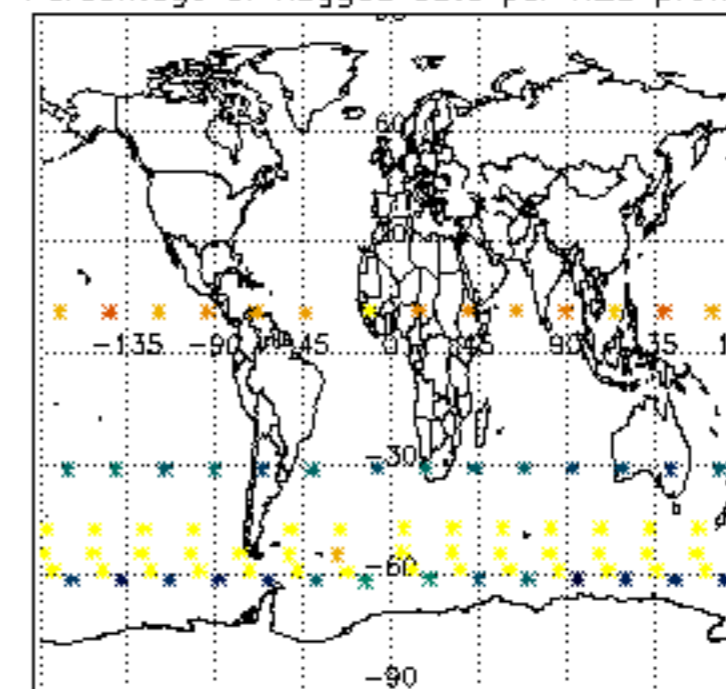




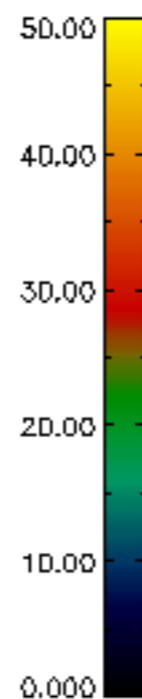
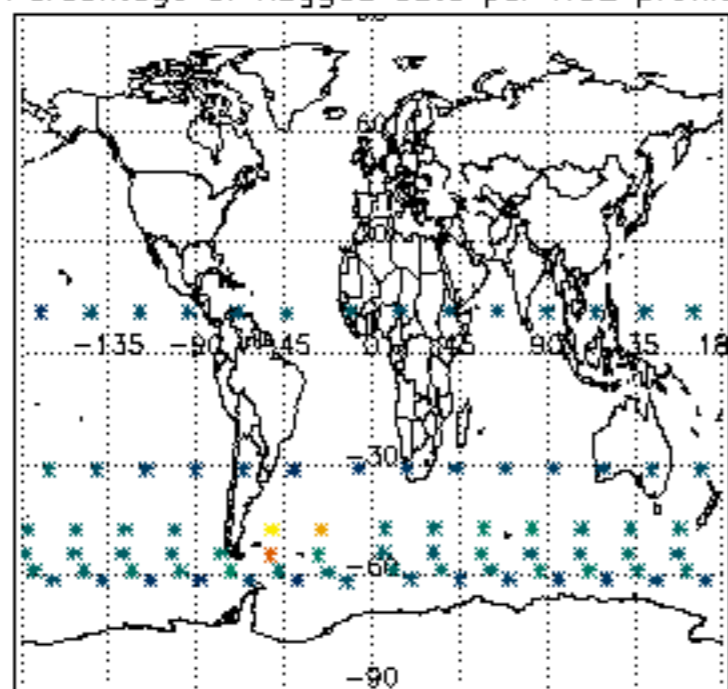
Percentage of flagged data per D3 profile



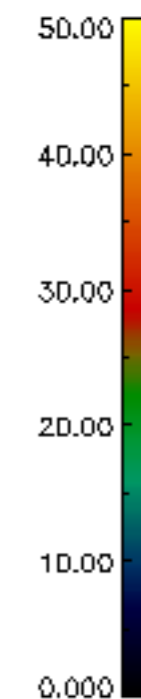
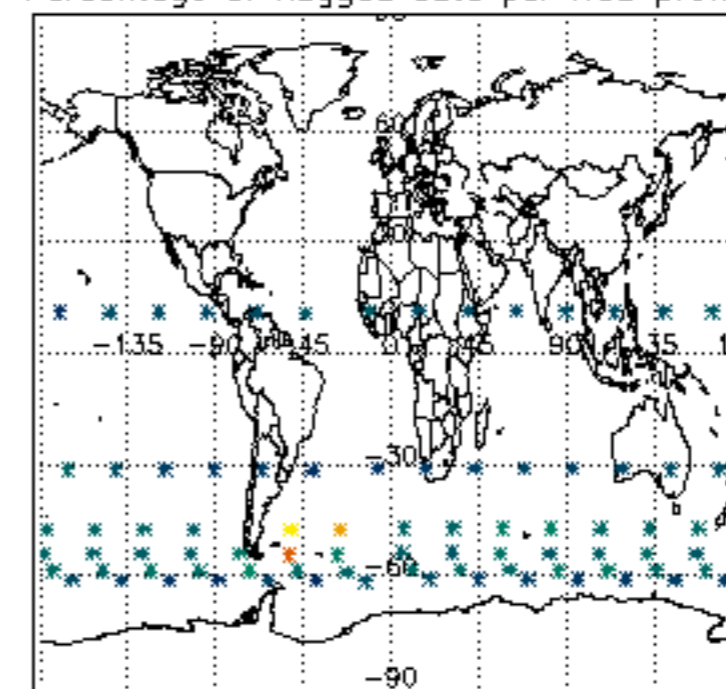
Percentage of flagged data per H2O profile

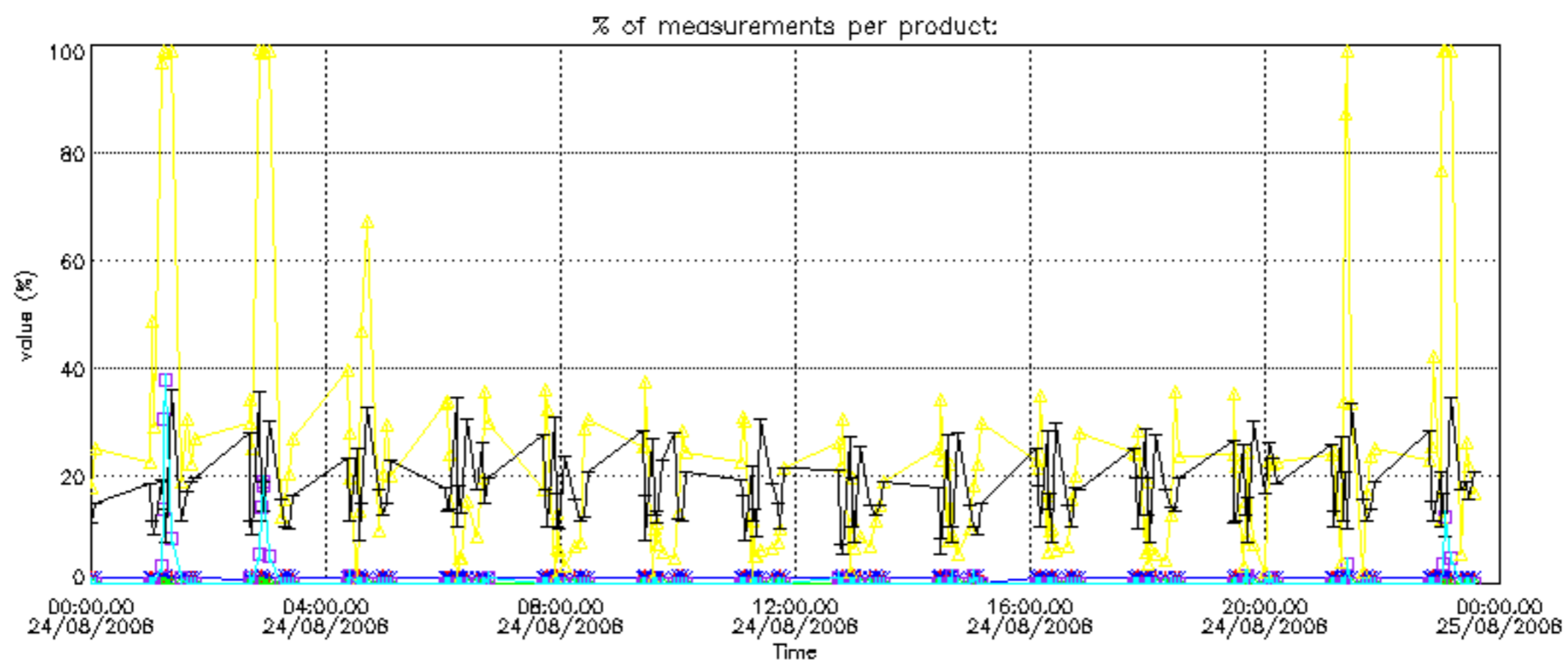
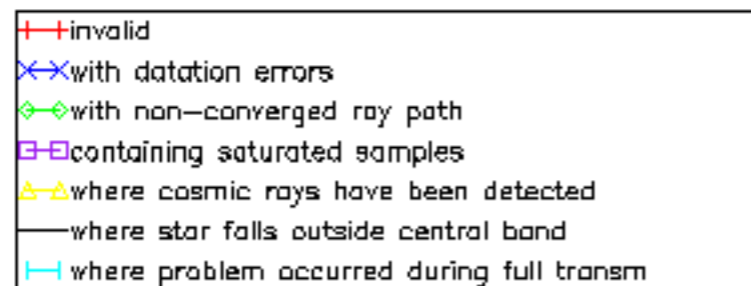


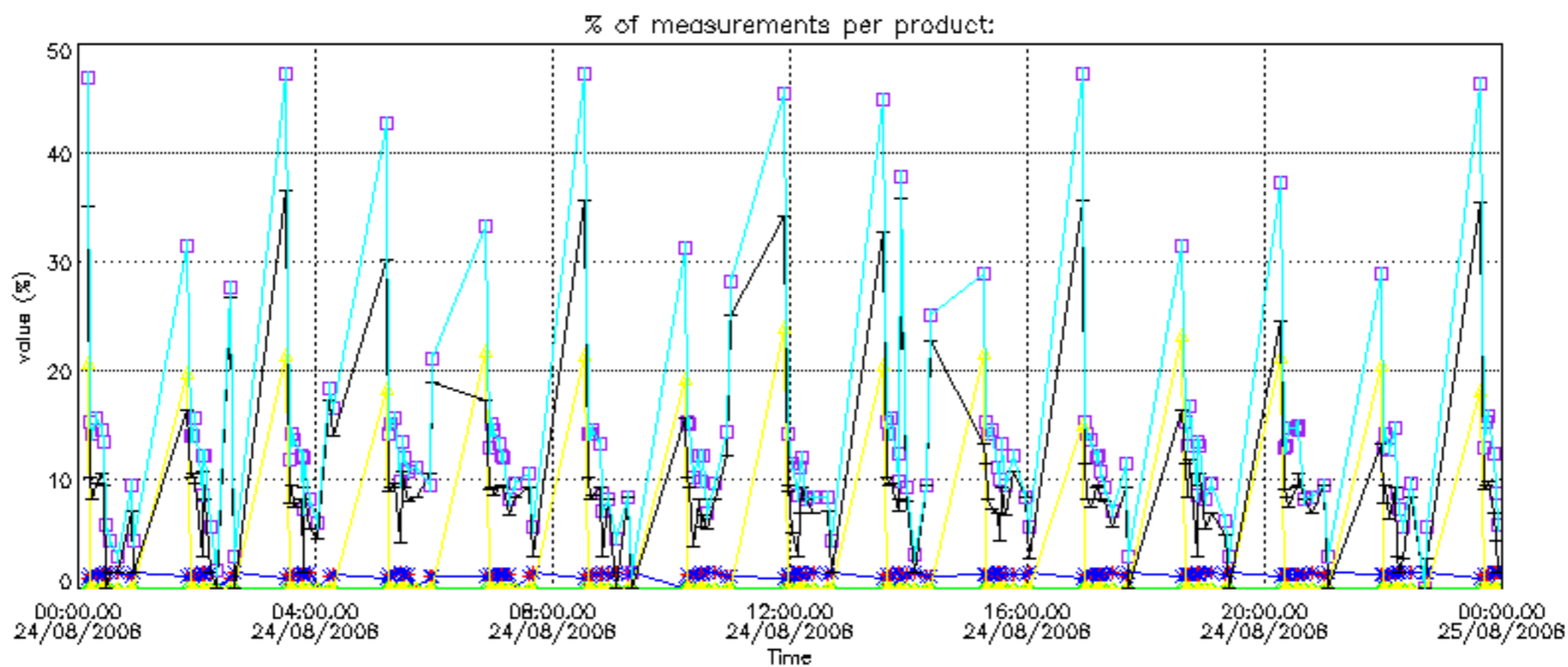
Percentage of flagged data per NO2 profile



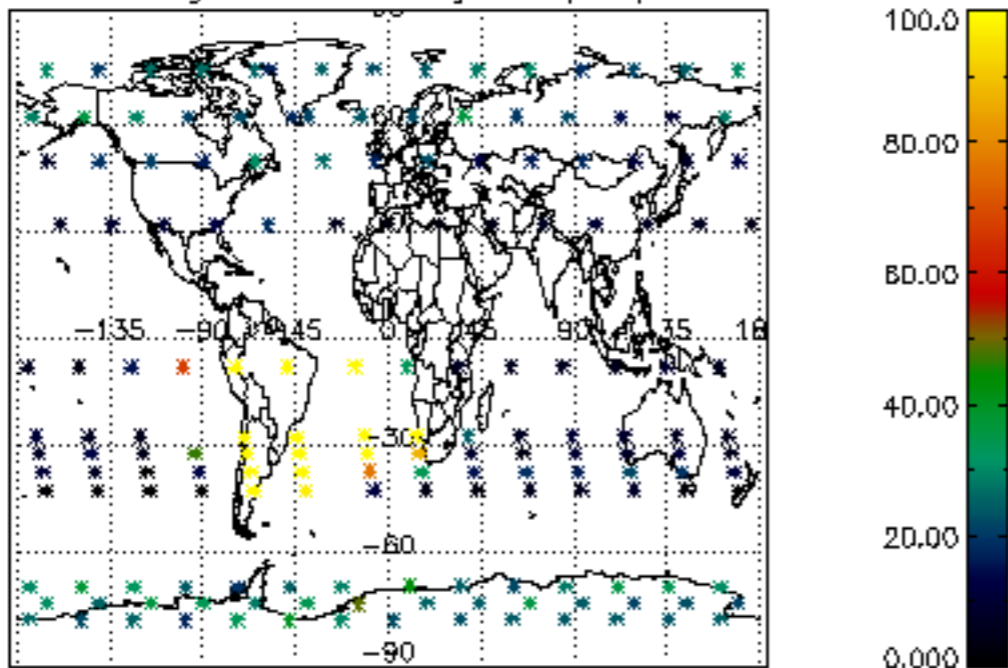
Percentage of flagged data per NO3 profile



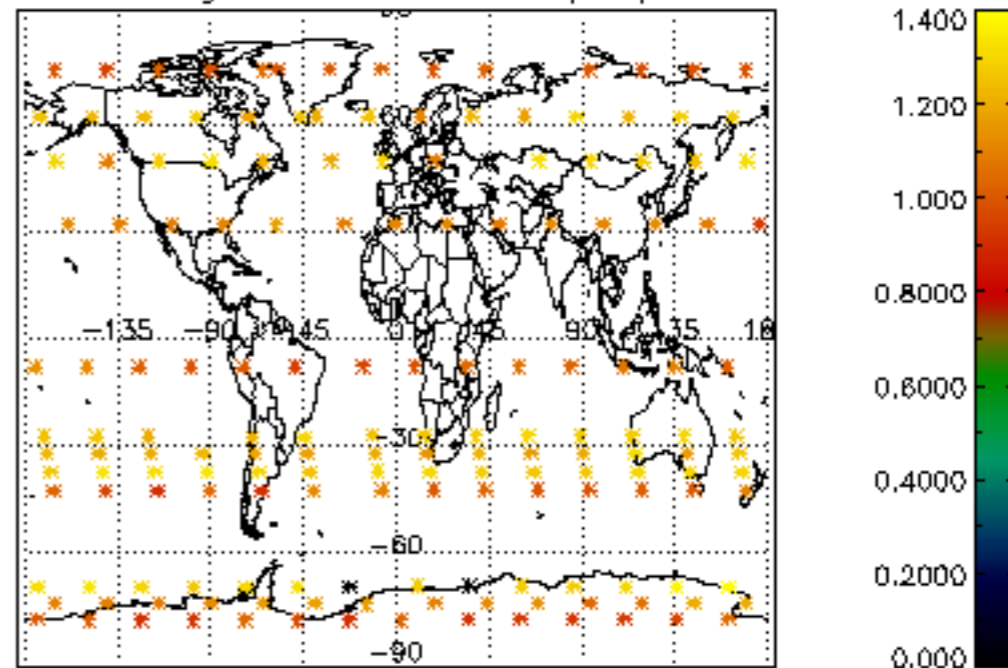




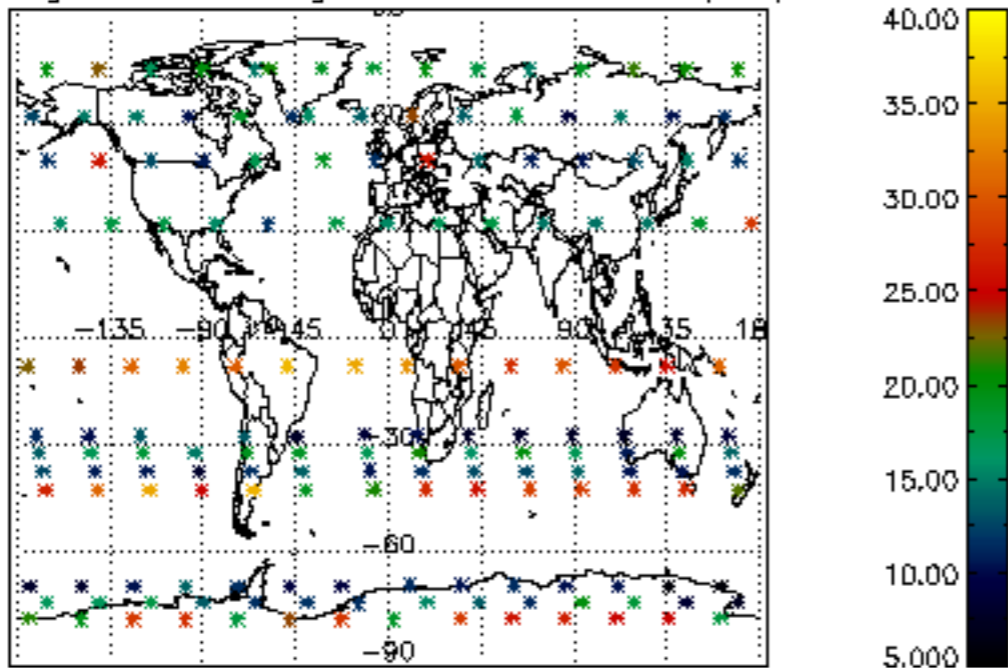
Percentage of cosmic ray hits per profile



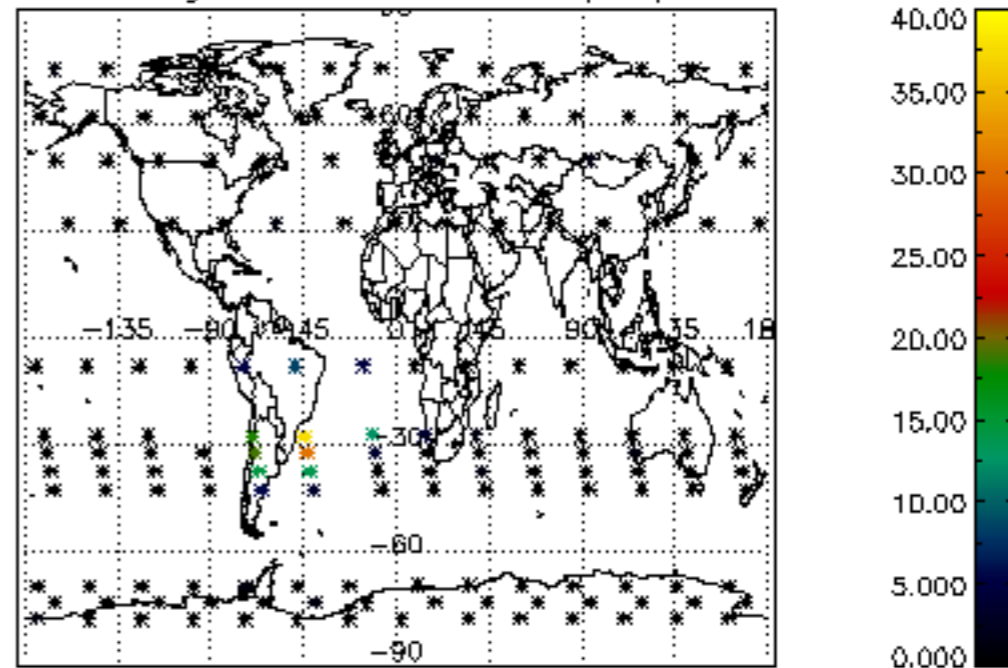
Percentage of datation errors per profile



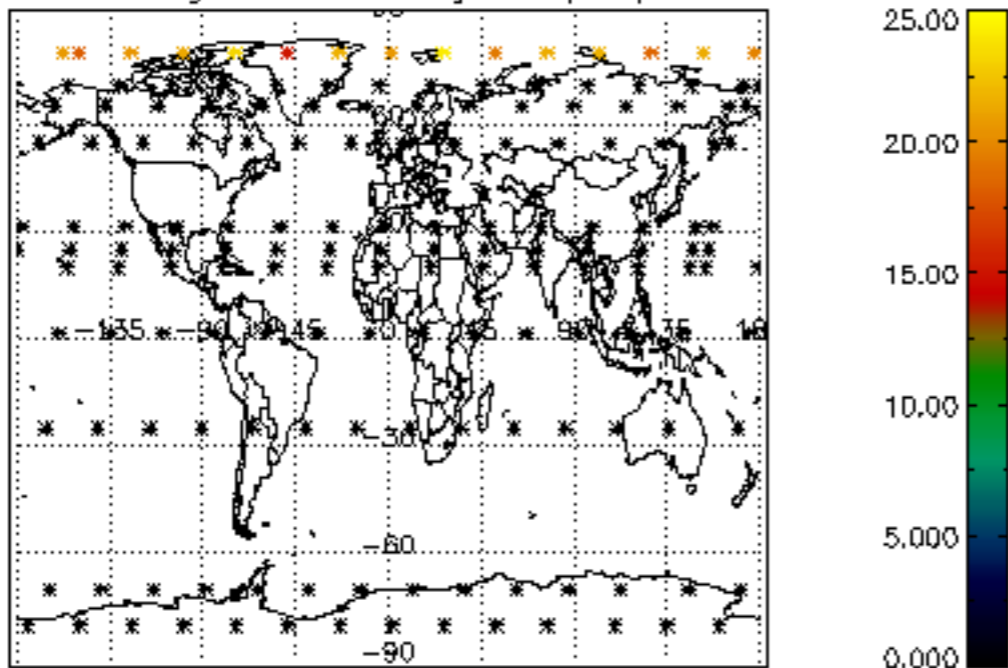
Percentage of star falling outside central band per profile



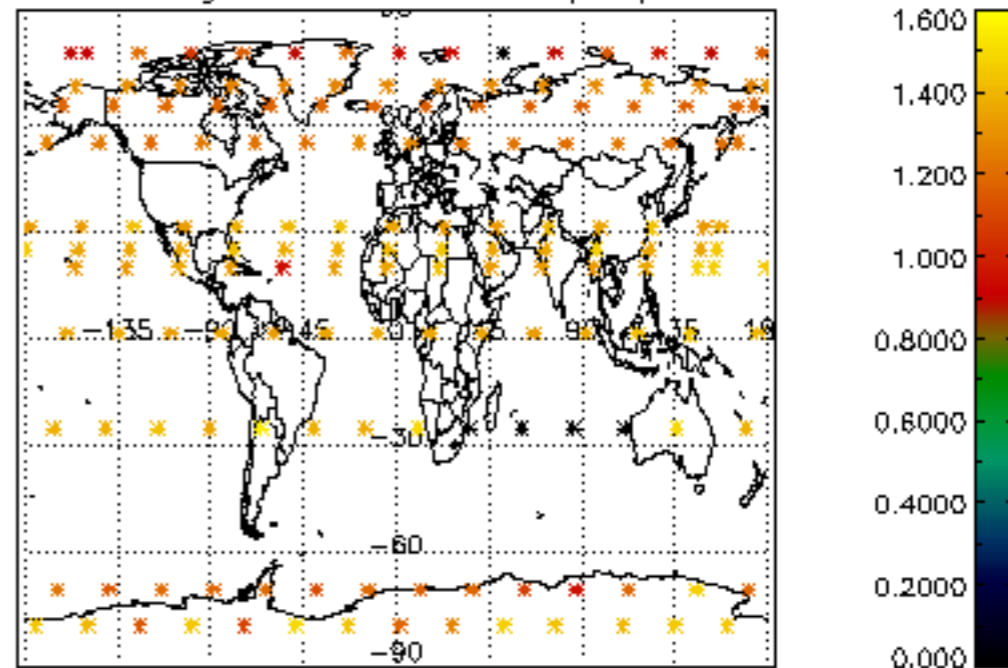
Percentage of saturation errors per profile



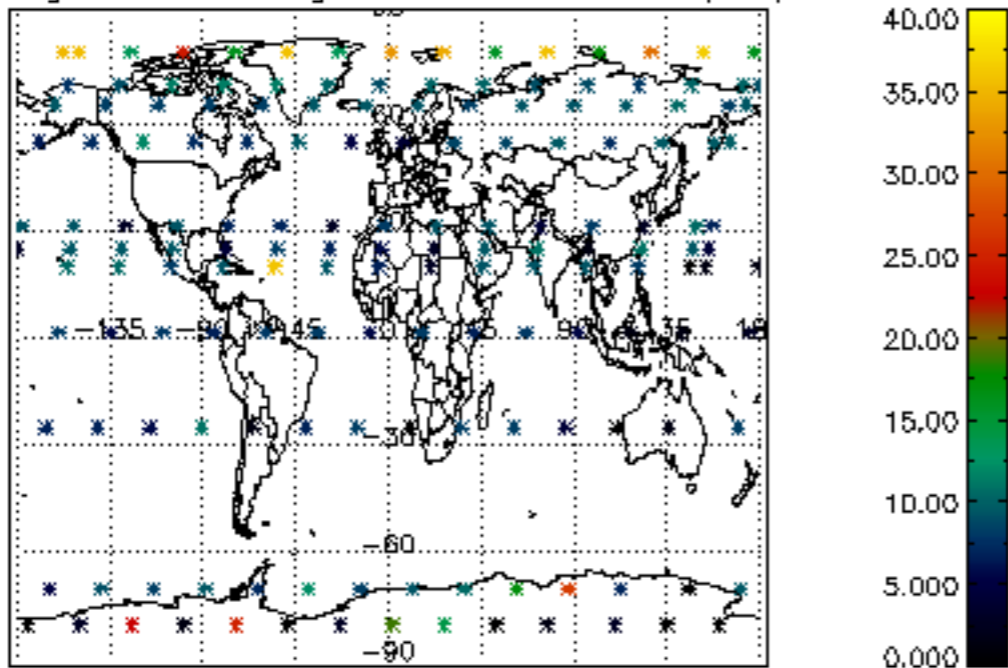
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

