

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 19:08:09
Data source version	GOMOS/6.01
Start time of products	22-08-2008 (22AUG2008 00:00:00)
Stop time of products	23-08-2008 (23AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	272
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__2PRFIN20080822_000253_000000332071_00245_33866_8201.N1	22-AUG-2008 00:02:53	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	33866	No
2	GOM_NL__2PRFIN20080822_001520_000000492071_00245_33866_8202.N1	22-AUG-2008 00:15:20	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	33866	No
3	GOM_NL__2PRFIN20080822_001829_000000392071_00245_33866_8203.N1	22-AUG-2008 00:18:29	Bright	39.000	107	37The Aur	2.6490	11000.	78	33866	No
4	GOM_NL__2PRFIN20080822_002303_000000482071_00245_33866_8204.N1	22-AUG-2008 00:23:03	Twilight	48.000	151	13Mu Gem	2.8900	3000.0	96	33866	No
5	GOM_NL__2PRFIN20080822_002441_000000432071_00245_33866_8205.N1	22-AUG-2008 00:24:41	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	33866	No
6	GOM_NL__2PRFIN20080822_002831_000000642071_00245_33866_8206.N1	22-AUG-2008 00:28:31	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	33866	No
7	GOM_NL__2PRFIN20080822_003200_000000522071_00245_33866_8207.N1	22-AUG-2008 00:32:00	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	33866	No
8	GOM_NL__2PRFIN20080822_003358_000000412071_00245_33866_8208.N1	22-AUG-2008 00:33:58	Dark	40.500	1	9Alp CMa	-1.4400	11000.	81	33866	No
9	GOM_NL__2PRFIN20080822_003658_000000512071_00245_33866_8209.N1	22-AUG-2008 00:36:58	Dark	51.000	101	11Alp Lep	2.5820	7000.0	102	33866	No
10	GOM_NL__2PRFIN20080822_005128_000000392071_00246_33867_8206.N1	22-AUG-2008 00:51:28	Dark	39.000	157	The1Eri	2.9060	9300.0	78	33867	No
11	GOM_NL__2PRFIN20080822_005448_000000442071_00246_33867_8207.N1	22-AUG-2008 00:54:48	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33867	No
12	GOM_NL__2PRFIN20080822_010042_000000552071_00246_33867_8208.N1	22-AUG-2008 01:00:42	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	33867	No
13	GOM_NL__2PRFIN20080822_010338_000000392071_00246_33867_8209.N1	22-AUG-2008 01:03:38	Straylight	38.500	31	Alp Gru	1.7340	15200.	77	33867	No
14	GOM_NL__2PRFIN20080822_010738_000000532071_00246_33867_8210.N1	22-AUG-2008 01:07:38	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	33867	No
15	GOM_NL__2PRFIN20080822_011254_000000412071_00246_33867_8211.N1	22-AUG-2008 01:12:54	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	33867	No
16	GOM_NL__2PRFIN20080822_011612_000000402071_00246_33867_8212.N1	22-AUG-2008 01:16:12	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33867	No
17	GOM_NL__2PRFIN20080822_012104_000000432071_00246_33867_8213.N1	22-AUG-2008 01:21:04	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	33867	No
18	GOM_NL__2PRFIN20080822_012742_000000372071_00246_33867_8214.N1	22-AUG-2008 01:27:42	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33867	No
19	GOM_NL__2PRFIN20080822_012925_000000342071_00246_33867_8215.N1	22-AUG-2008 01:29:25	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	33867	No
20	GOM_NL__2PRFIN20080822_013054_000000342071_00246_33867_8216.N1	22-AUG-2008 01:30:54	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	33867	No
21	GOM_NL__2PRFIN20080822_013608_000000372071_00246_33867_8217.N1	22-AUG-2008 01:36:08	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33867	No
22	GOM_NL__2PRFIN20080822_014329_000000352071_00246_33867_8218.N1	22-AUG-2008 01:43:29	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	33867	No
23	GOM_NL__2PRFIN20080822_015556_000000502071_00246_33867_8219.N1	22-AUG-2008 01:55:56	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	33867	No
24	GOM_NL__2PRFIN20080822_015905_000000422071_00246_33867_8220.N1	22-AUG-2008 01:59:05	Bright	42.000	107	37The Aur	2.6490	11000.	84	33867	No
25	GOM_NL__2PRFIN20080822_020339_000000502071_00246_33867_8221.N1	22-AUG-2008 02:03:39	Twilight	50.000	151	13Mu Gem	2.8900	3000.0	100	33867	No
26	GOM_NL__2PRFIN20080822_020518_000000452071_00246_33867_8222.N1	22-AUG-2008 02:05:18	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	33867	No
27	GOM_NL__2PRFIN20080822_020908_000000642071_00246_33867_8223.N1	22-AUG-2008 02:09:08	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	33867	No
28	GOM_NL__2PRFIN20080822_021237_000000532071_00246_33867_8224.N1	22-AUG-2008 02:12:37	Dark	52.500	30	46Eps Ori	1.6940	30000.	105	33867	No
29	GOM_NL__2PRFIN20080822_021435_000000402071_00246_33867_8225.N1	22-AUG-2008 02:14:35	Dark	39.500	1	9Alp CMa	-1.4400	11000.	79	33867	No
30	GOM_NL__2PRFIN20080822_021734_000000492071_00246_33867_8226.N1	22-AUG-2008 02:17:34	Dark	49.000	101	11Alp Lep	2.5820	7000.0	98	33867	No
31	GOM_NL__2PRFIN20080822_023206_000000372071_00247_33868_8228.N1	22-AUG-2008 02:32:06	Dark	37.000	157	The1Eri	2.9060	9300.0	74	33868	No
32	GOM_NL__2PRFIN20080822_023525_000000462071_00247_33868_8229.N1	22-AUG-2008 02:35:25	Dark	45.500	9	Alp Eri	0.45300	24000.	91	33868	No
33	GOM_NL__2PRFIN20080822_024119_000000532071_00247_33868_8230.N1	22-AUG-2008 02:41:19	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	33868	No
34	GOM_NL__2PRFIN20080822_024414_000000402071_00247_33868_8231.N1	22-AUG-2008 02:44:14	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33868	No
35	GOM_NL__2PRFIN20080822_024815_000000472071_00247_33868_8232.N1	22-AUG-2008 02:48:15	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	33868	No
36	GOM_NL__2PRFIN20080822_025330_000000402071_00247_33868_8233.N1	22-AUG-2008 02:53:30	Bright	39.500	142	49Del Cap	2.8500	8900.0	79	33868	No
37	GOM_NL__2PRFIN20080822_025648_000000402071_00247_33868_8234.N1	22-AUG-2008 02:56:48	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33868	No
38	GOM_NL__2PRFIN20080822_025834_000000442071_00247_33868_8235.N1	22-AUG-2008 02:58:34	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33868	No
39	GOM_NL__2PRFIN20080822_030139_000000412071_00247_33868_8236.N1	22-AUG-2008 03:01:39	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	33868	No
40	GOM_NL__2PRFIN20080822_030818_000000362071_00247_33868_8237.N1	22-AUG-2008 03:08:18	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	33868	No
41	GOM_NL__2PRFIN20080822_031001_000000352071_00247_33868_8238.N1	22-AUG-2008 03:10:01	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33868	No
42	GOM_NL__2PRFIN20080822_031130_000000372071_00247_33868_8239.N1	22-AUG-2008 03:11:30	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	33868	No

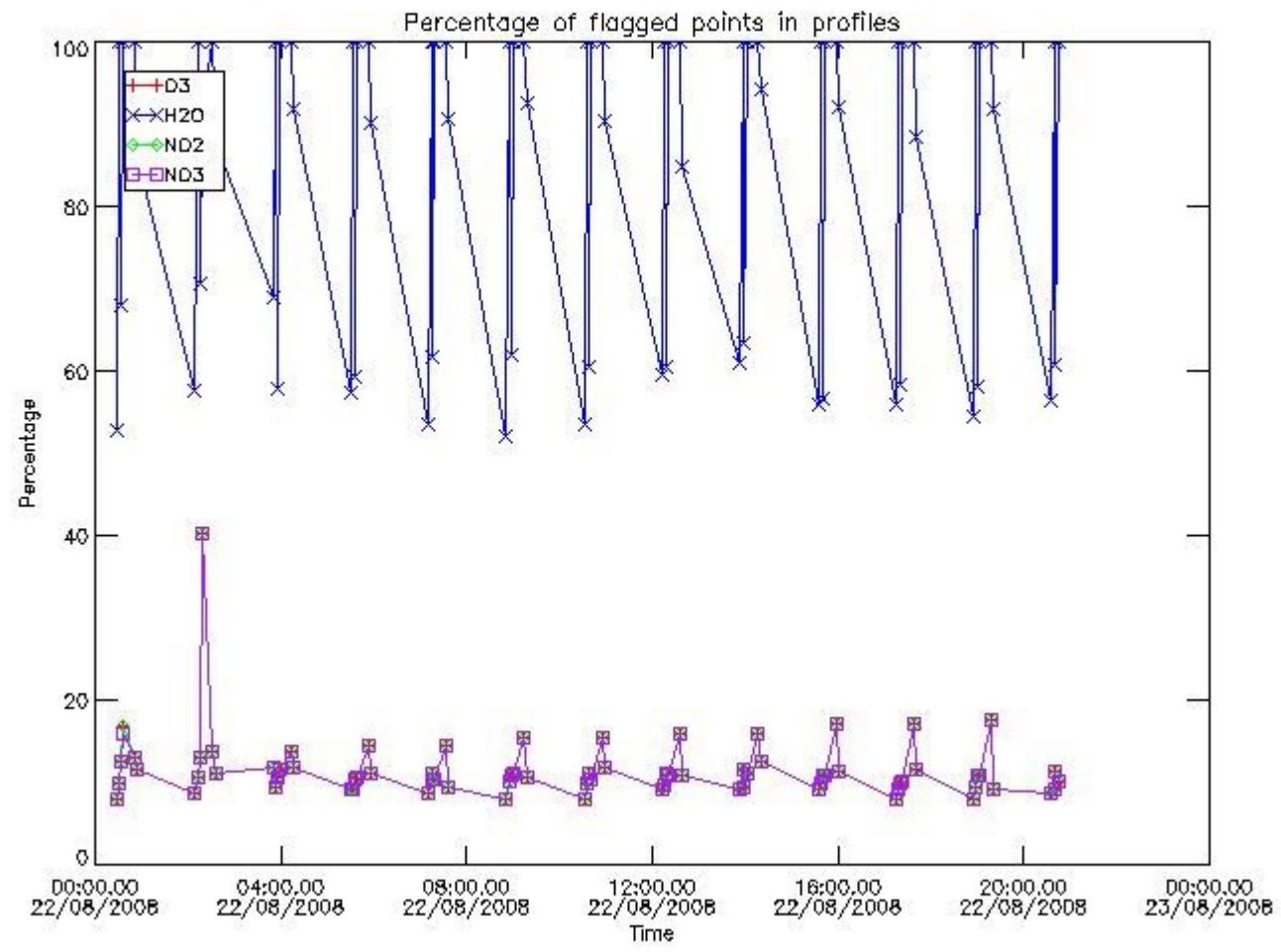
220	GOM_NL__2PRFIN20080822_164852_000000352071_00255_33876_8451.N1	22-AUG-2008 16:48:52	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	33876	No
221	GOM_NL__2PRFIN20080822_170118_000000522071_00255_33876_8452.N1	22-AUG-2008 17:01:18	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	33876	No
222	GOM_NL__2PRFIN20080822_170429_000000432071_00255_33876_8453.N1	22-AUG-2008 17:04:29	Bright	42.500	107	37The Aur	2.6490	11000.	85	33876	No
223	GOM_NL__2PRFIN20080822_170905_000000482071_00255_33876_8454.N1	22-AUG-2008 17:09:05	Tw_i_and_stray	48.000	151	13Mu Gem	2.8900	3000.0	96	33876	No
224	GOM_NL__2PRFIN20080822_171044_000000462071_00255_33876_8455.N1	22-AUG-2008 17:10:44	Tw_i_and_stray	45.500	44	24Gam Gem	1.9280	11000.	91	33876	No
225	GOM_NL__2PRFIN20080822_171436_000000652071_00255_33876_8456.N1	22-AUG-2008 17:14:36	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	33876	No
226	GOM_NL__2PRFIN20080822_171807_000000562071_00255_33876_8457.N1	22-AUG-2008 17:18:07	Dark	56.000	30	46Eps Ori	1.6940	30000.	112	33876	No
227	GOM_NL__2PRFIN20080822_172002_000000522071_00255_33876_8458.N1	22-AUG-2008 17:20:02	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	33876	No
228	GOM_NL__2PRFIN20080822_172306_000000502071_00255_33876_8459.N1	22-AUG-2008 17:23:06	Dark	50.000	101	11Alp Lep	2.5820	7000.0	100	33876	No
229	GOM_NL__2PRFIN20080822_173740_000000302071_00256_33877_8454.N1	22-AUG-2008 17:37:40	Dark	30.000	157	The1Eri	2.9060	9300.0	60	33877	No
230	GOM_NL__2PRFIN20080822_174054_000000442071_00256_33877_8455.N1	22-AUG-2008 17:40:54	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33877	No
231	GOM_NL__2PRFIN20080822_174649_000000522071_00256_33877_8456.N1	22-AUG-2008 17:46:49	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	33877	No
232	GOM_NL__2PRFIN20080822_174940_000000382071_00256_33877_8457.N1	22-AUG-2008 17:49:40	Straylight	38.000	31	Alp Gru	1.7340	15200.	76	33877	No
233	GOM_NL__2PRFIN20080822_175341_000000512071_00256_33877_8458.N1	22-AUG-2008 17:53:41	Straylight	51.000	18	24Alp PsA	1.1660	9700.0	102	33877	No
234	GOM_NL__2PRFIN20080822_175855_000000512071_00256_33877_8459.N1	22-AUG-2008 17:58:55	Bright	51.000	142	49Del Cap	2.8500	8900.0	102	33877	No
235	GOM_NL__2PRFIN20080822_180212_000000402071_00256_33877_8460.N1	22-AUG-2008 18:02:12	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33877	No
236	GOM_NL__2PRFIN20080822_180356_000000442071_00256_33877_8461.N1	22-AUG-2008 18:03:56	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33877	No
237	GOM_NL__2PRFIN20080822_180701_000000422071_00256_33877_8462.N1	22-AUG-2008 18:07:01	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	33877	No
238	GOM_NL__2PRFIN20080822_181341_000000382071_00256_33877_8463.N1	22-AUG-2008 18:13:41	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33877	No
239	GOM_NL__2PRFIN20080822_181524_000000362071_00256_33877_8464.N1	22-AUG-2008 18:15:24	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	33877	No
240	GOM_NL__2PRFIN20080822_181653_000000402071_00256_33877_8465.N1	22-AUG-2008 18:16:53	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	33877	No
241	GOM_NL__2PRFIN20080822_182205_000000372071_00256_33877_8466.N1	22-AUG-2008 18:22:05	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33877	No
242	GOM_NL__2PRFIN20080822_182928_000000362071_00256_33877_8467.N1	22-AUG-2008 18:29:28	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33877	No
243	GOM_NL__2PRFIN20080822_184153_000000502071_00256_33877_8468.N1	22-AUG-2008 18:41:53	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	33877	No
244	GOM_NL__2PRFIN20080822_184505_000000432071_00256_33877_8469.N1	22-AUG-2008 18:45:05	Bright	42.500	107	37The Aur	2.6490	11000.	85	33877	No
245	GOM_NL__2PRFIN20080822_184941_000000482071_00256_33877_8470.N1	22-AUG-2008 18:49:41	Tw_i_and_stray	48.000	151	13Mu Gem	2.8900	3000.0	96	33877	No
246	GOM_NL__2PRFIN20080822_185120_000000432071_00256_33877_8471.N1	22-AUG-2008 18:51:20	Tw_i_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	33877	No
247	GOM_NL__2PRFIN20080822_185512_000000642071_00256_33877_8472.N1	22-AUG-2008 18:55:12	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	33877	No
248	GOM_NL__2PRFIN20080822_185844_000000542071_00256_33877_8473.N1	22-AUG-2008 18:58:44	Dark	54.000	30	46Eps Ori	1.6940	30000.	108	33877	No
249	GOM_NL__2PRFIN20080822_190039_000000472071_00256_33877_8474.N1	22-AUG-2008 19:00:39	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	33877	No
250	GOM_NL__2PRFIN20080822_190342_000000482071_00256_33877_8475.N1	22-AUG-2008 19:03:42	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	33877	No
251	GOM_NL__2PRFIN20080822_191817_000000292071_00257_33878_8464.N1	22-AUG-2008 19:18:17	Dark	29.000	157	The1Eri	2.9060	9300.0	58	33878	No
252	GOM_NL__2PRFIN20080822_192131_000000562071_00257_33878_8465.N1	22-AUG-2008 19:21:31	Dark	55.500	9	Alp Eri	0.45300	24000.	111	33878	No
253	GOM_NL__2PRFIN20080822_192726_000000512071_00257_33878_8466.N1	22-AUG-2008 19:27:26	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	33878	No
254	GOM_NL__2PRFIN20080822_193016_000000392071_00257_33878_8467.N1	22-AUG-2008 19:30:16	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	33878	No
255	GOM_NL__2PRFIN20080822_193417_000000512071_00257_33878_8468.N1	22-AUG-2008 19:34:17	Straylight	51.000	18	24Alp PsA	1.1660	9700.0	102	33878	No
256	GOM_NL__2PRFIN20080822_193931_000000462071_00257_33878_8469.N1	22-AUG-2008 19:39:31	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	33878	No
257	GOM_NL__2PRFIN20080822_194248_000000402071_00257_33878_8470.N1	22-AUG-2008 19:42:48	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33878	No
258	GOM_NL__2PRFIN20080822_194432_000000442071_00257_33878_8471.N1	22-AUG-2008 19:44:32	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33878	No
259	GOM_NL__2PRFIN20080822_194737_000000442071_00257_33878_8472.N1	22-AUG-2008 19:47:37	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	33878	No
260	GOM_NL__2PRFIN20080822_195416_000000382071_00257_33878_8473.N1	22-AUG-2008 19:54:16	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33878	No
261	GOM_NL__2PRFIN20080822_195600_000000362071_00257_33878_8474.N1	22-AUG-2008 19:56:00	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	33878	No
262	GOM_NL__2PRFIN20080822_195728_000000352071_00257_33878_8475.N1	22-AUG-2008 19:57:28	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	33878	No
263	GOM_NL__2PRFIN20080822_200241_000000382071_00257_33878_8476.N1	22-AUG-2008 20:02:41	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	33878	No
264	GOM_NL__2PRFIN20080822_201004_000000372071_00257_33878_8477.N1	22-AUG-2008 20:10:04	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33878	No
265	GOM_NL__2PRFIN20080822_202229_000000532071_00257_33878_8478.N1	22-AUG-2008 20:22:29	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	33878	No
266	GOM_NL__2PRFIN20080822_202541_000000412071_00257_33878_8479.N1	22-AUG-2008 20:25:41	Bright	41.000	107	37The Aur	2.6490	11000.	82	33878	No
267	GOM_NL__2PRFIN20080822_203018_000000542071_00257_33878_8480.N1	22-AUG-2008 20:30:18	Tw_i_and_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	33878	No
268	GOM_NL__2PRFIN20080822_203156_000000482071_00257_33878_8481.N1	22-AUG-2008 20:31:56	Tw_i_and_stray	47.500	44	24Gam Gem	1.9280	11000.	95	33878	No
269	GOM_NL__2PRFIN20080822_203549_000000592071_00257_33878_8482.N1	22-AUG-2008 20:35:49	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	33878	No
270	GOM_NL__2PRFIN20080822_203921_000000552071_00257_33878_8483.N1	22-AUG-2008 20:39:21	Dark	55.000	30	46Eps Ori	1.6940	30000.	110	33878	No
271	GOM_NL__2PRFIN20080822_204115_000000452071_00257_33878_8484.N1	22-AUG-2008 20:41:15	Dark	45.000	1	9Alp CMa	-1.4400	11000.	90	33878	No
272	GOM_NL__2PRFIN20080822_204419_000000512071_00257_33878_8485.N1	22-AUG-2008 20:44:19	Dark	50.500	101	11Alp Lep	2.5820	7000.0	101	33878	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

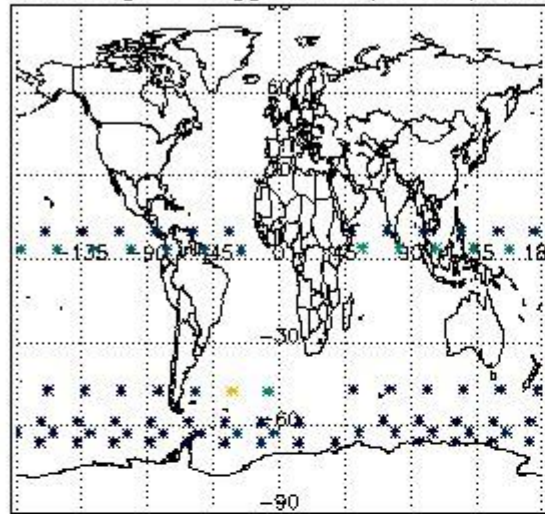
the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

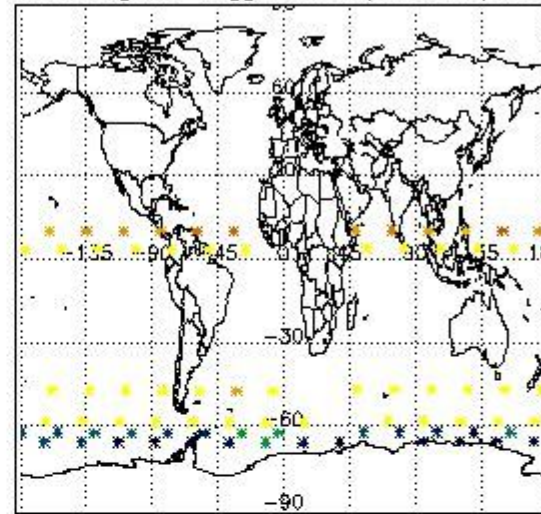


3.2 Plot quality information per product (world map)

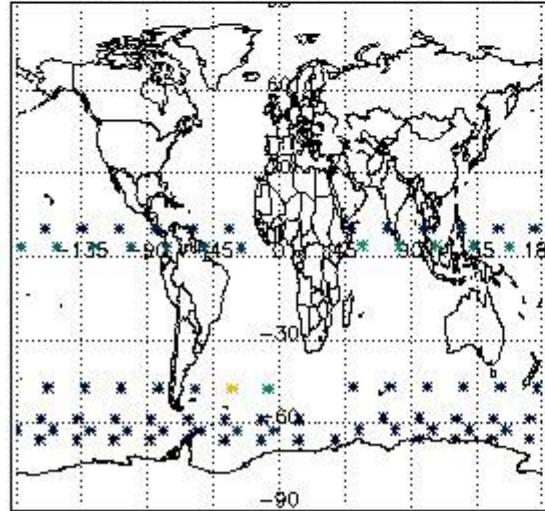
Percentage of flagged data per O3 profile



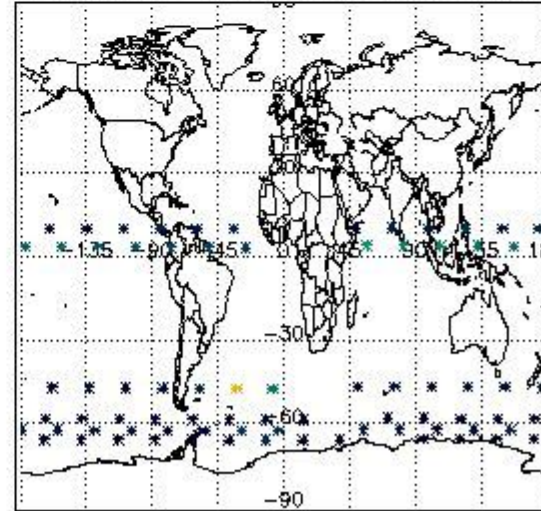
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

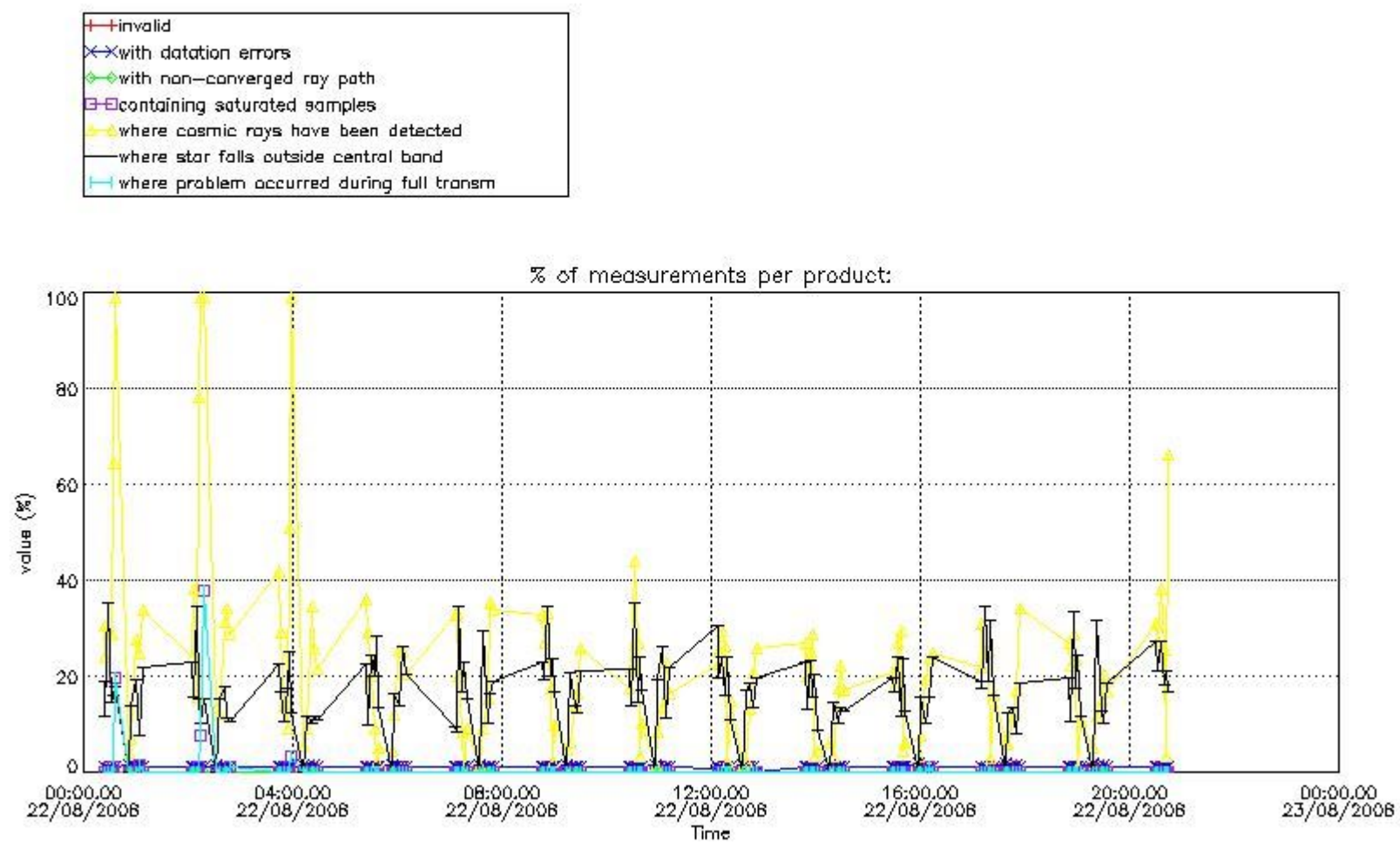


4. Level 1 quality information per product

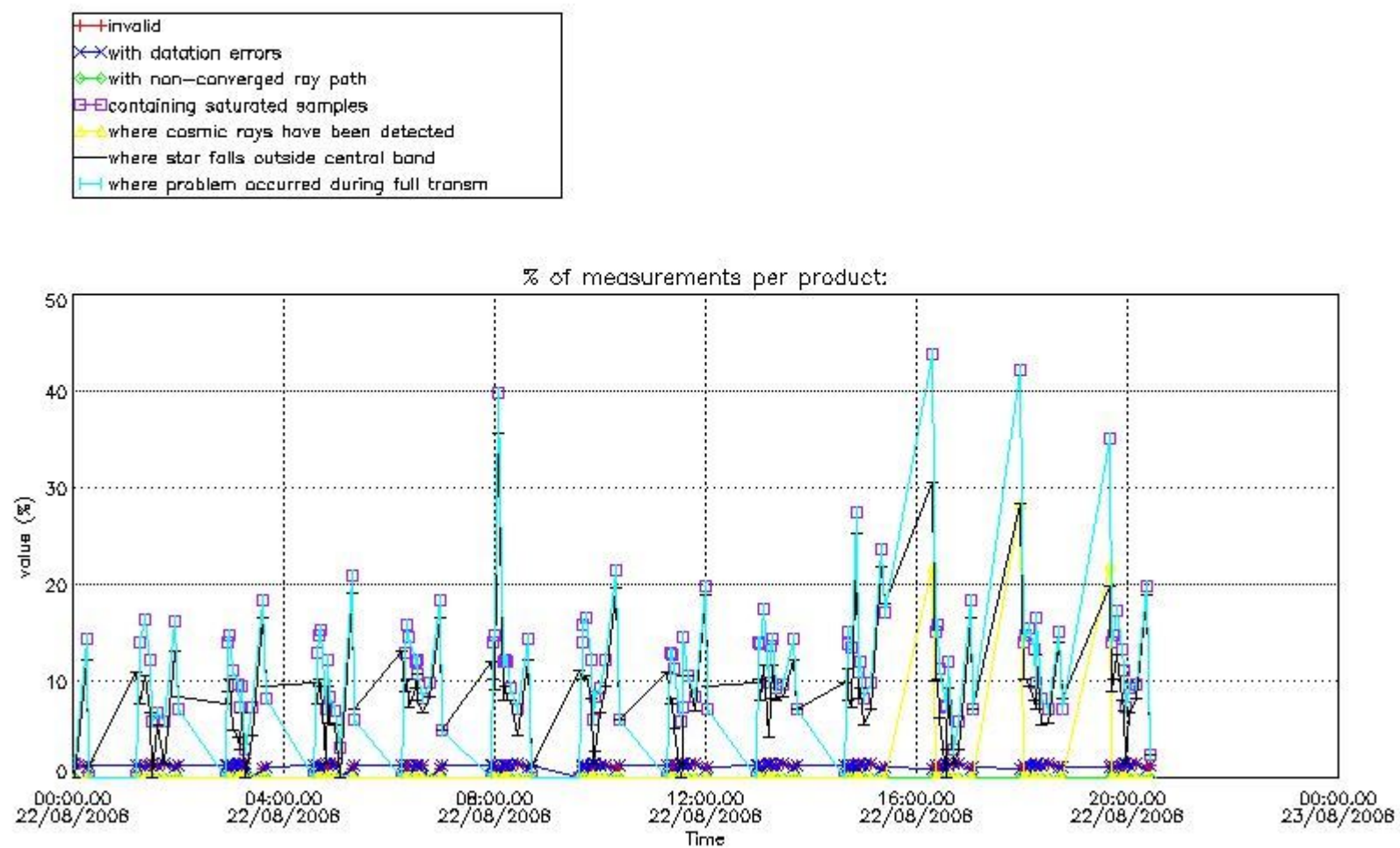
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

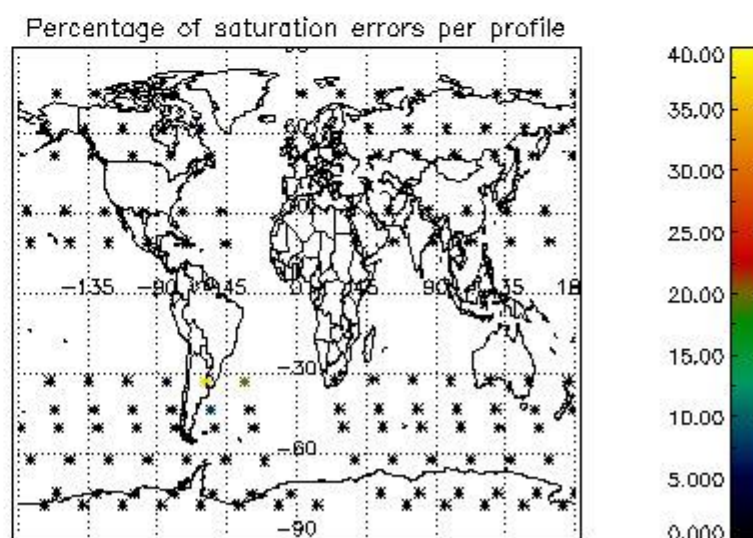
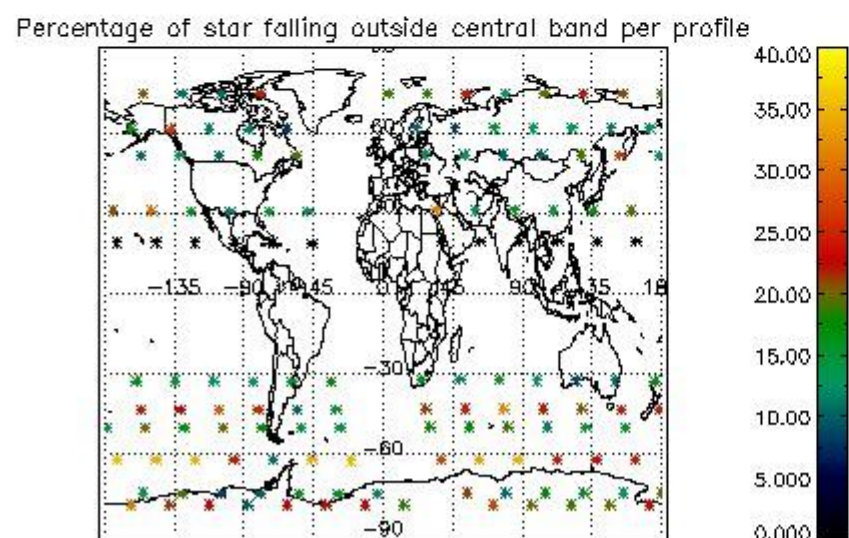
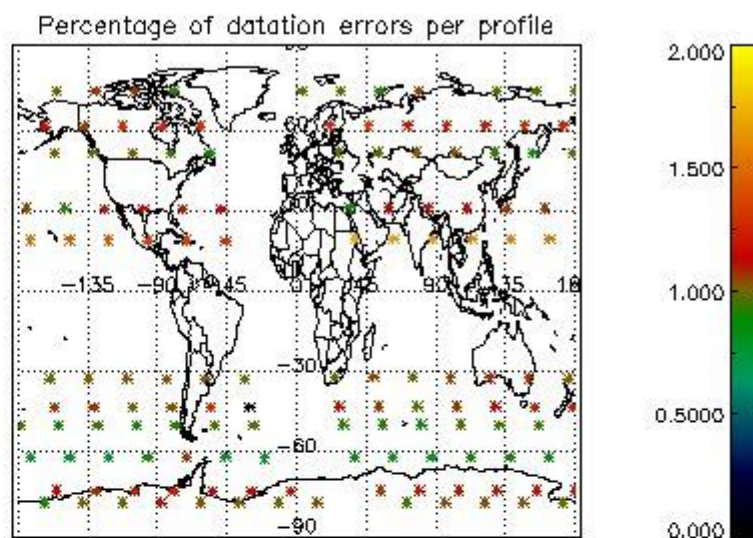
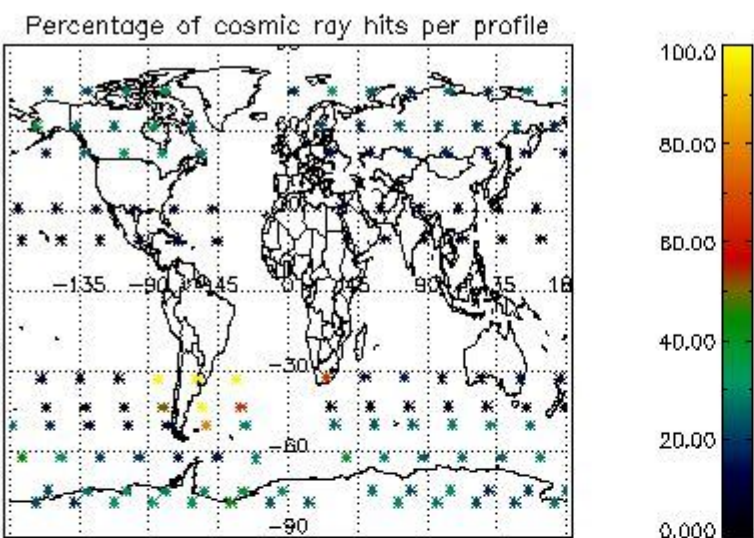


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

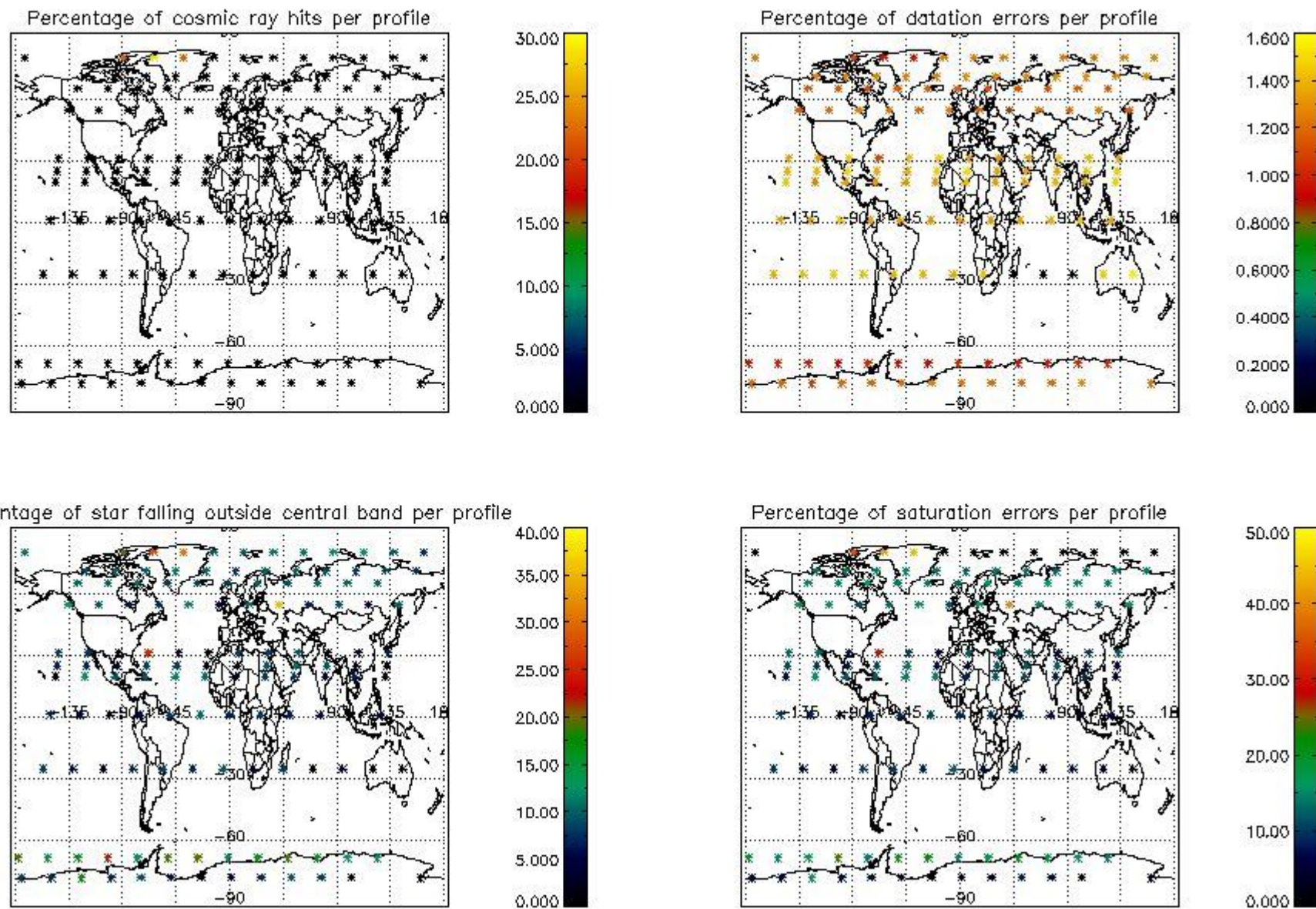


4.2 Plot quality information per product coming from level 1b processing (world map)

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

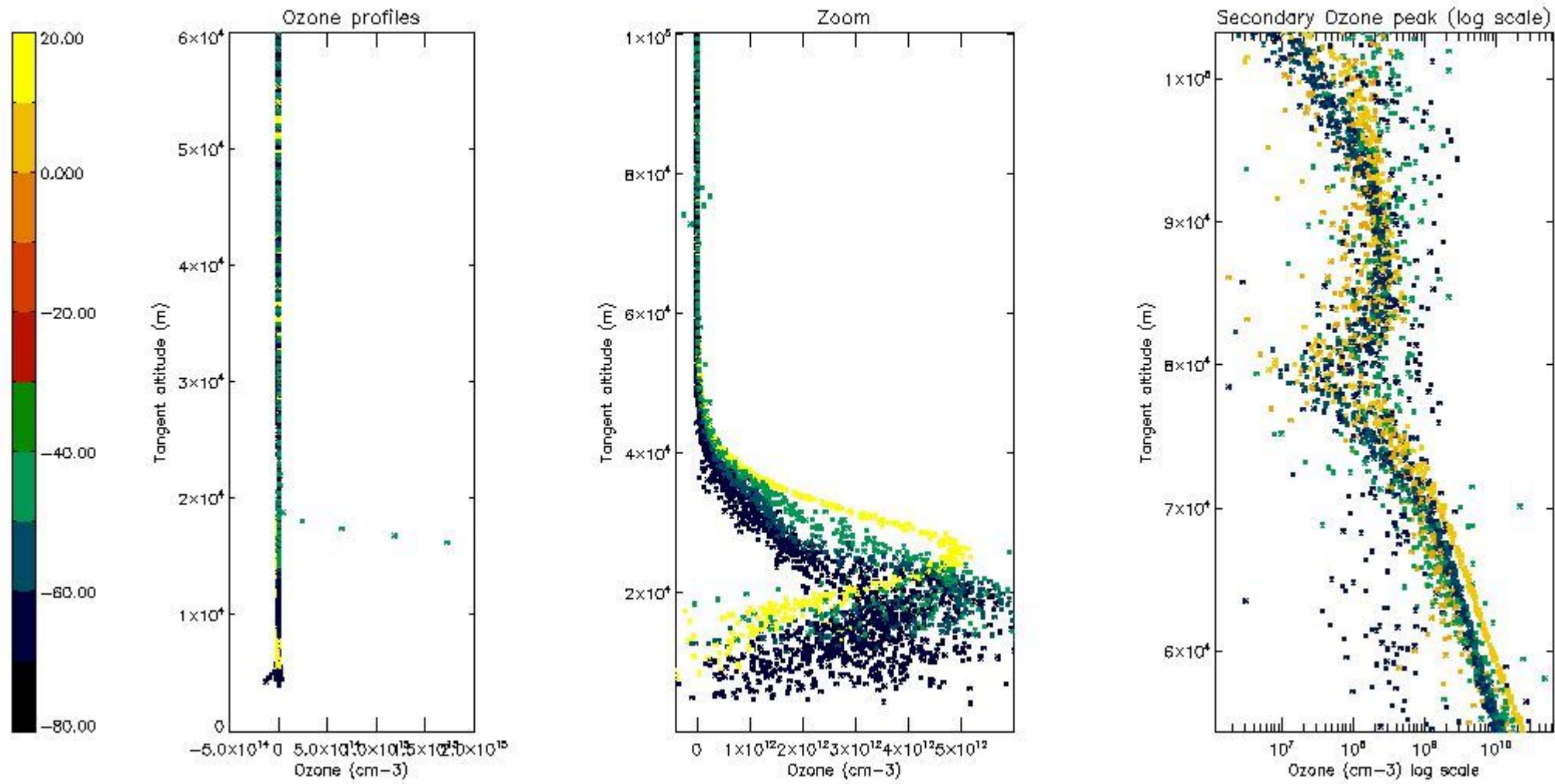
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	17

STD < 10	14
STD < 5	10

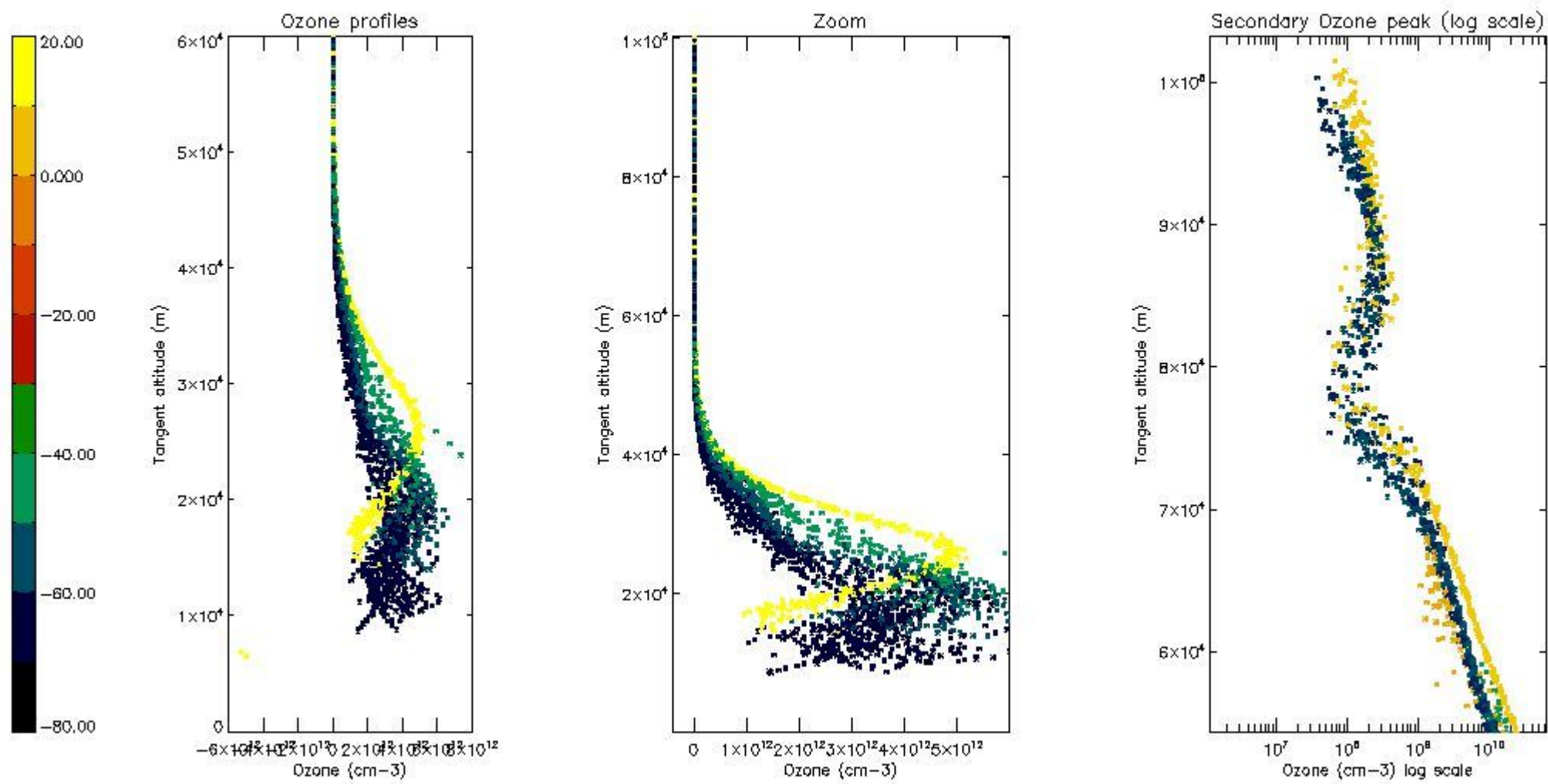
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



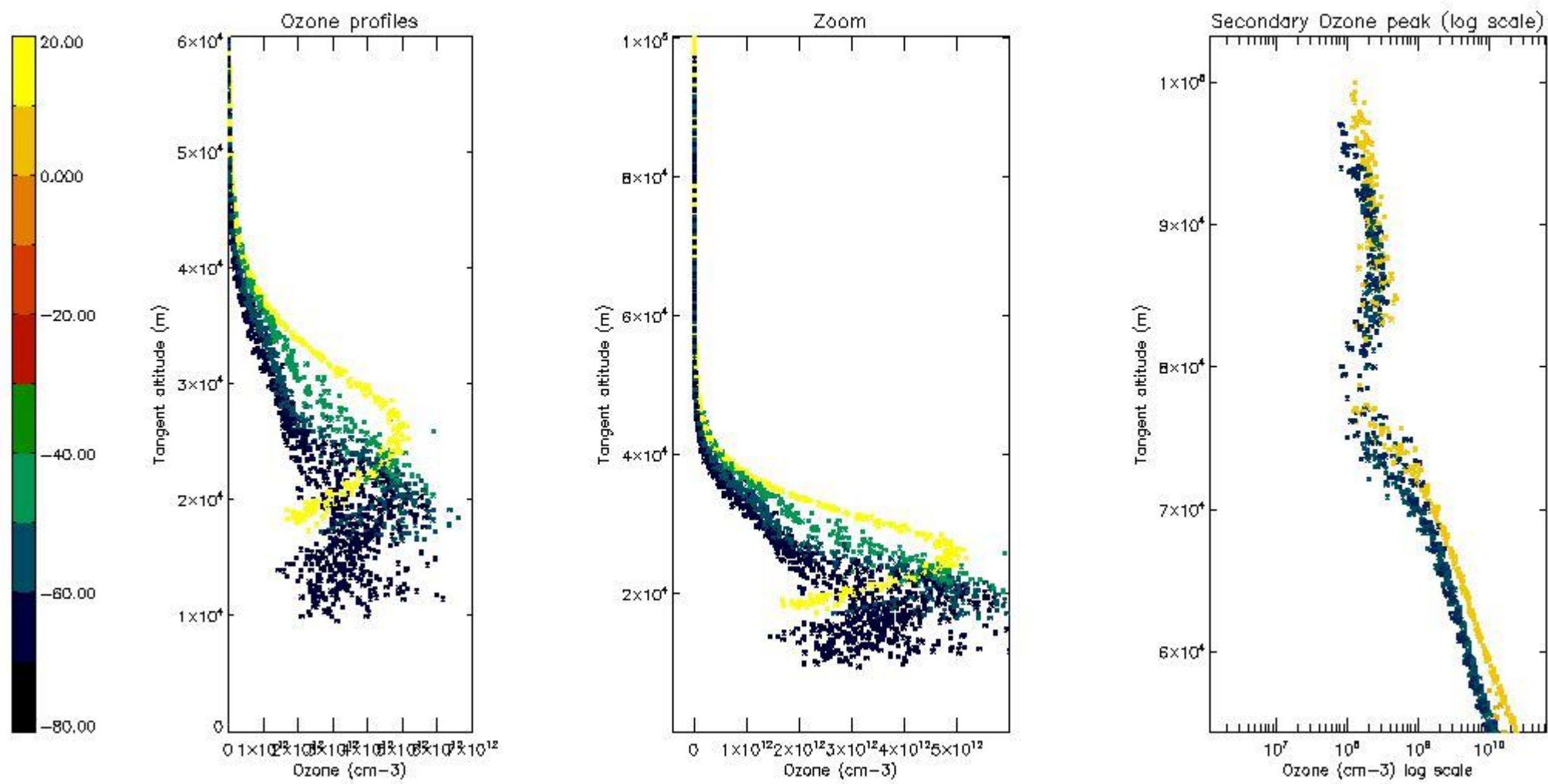
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



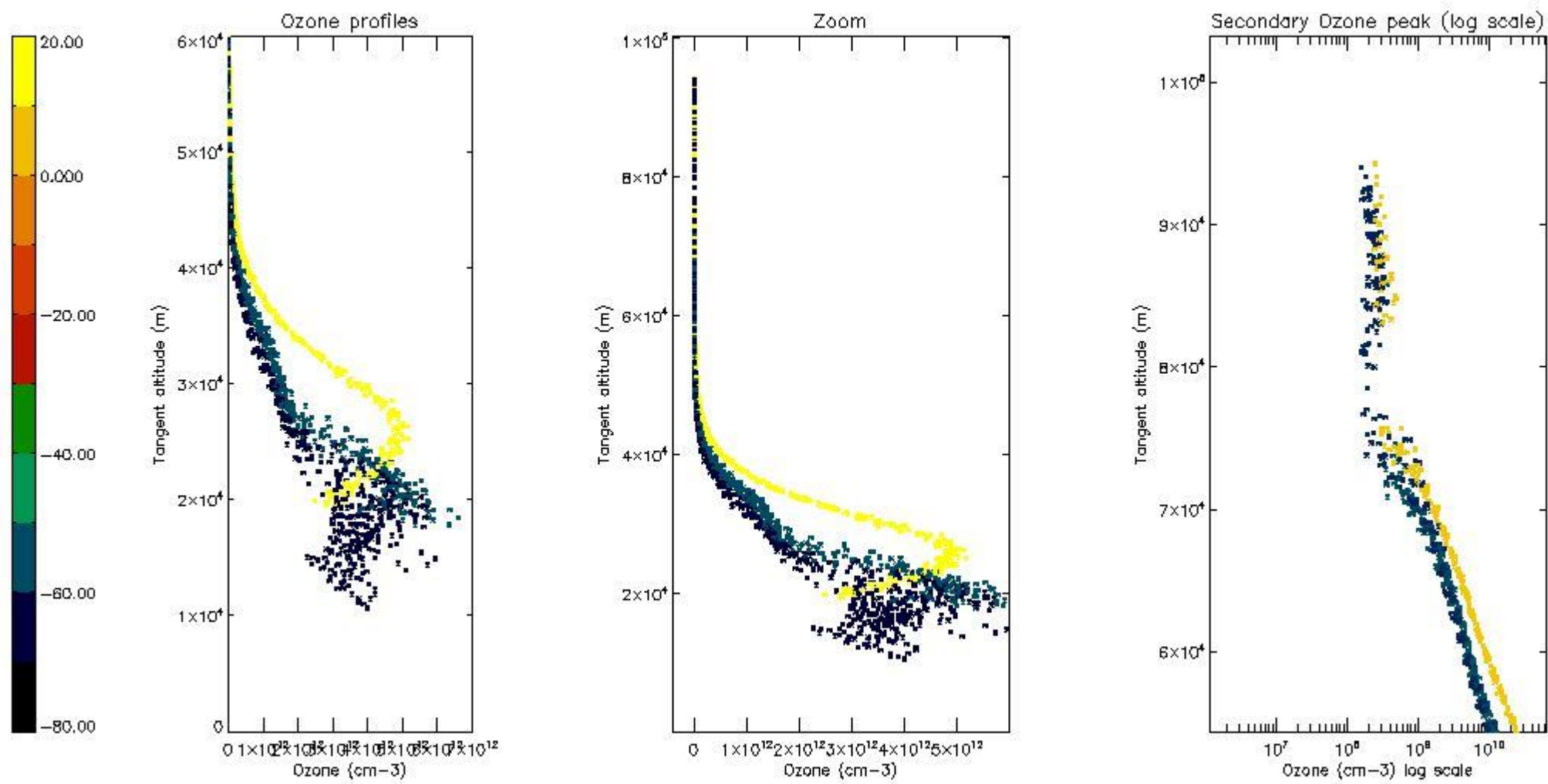
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



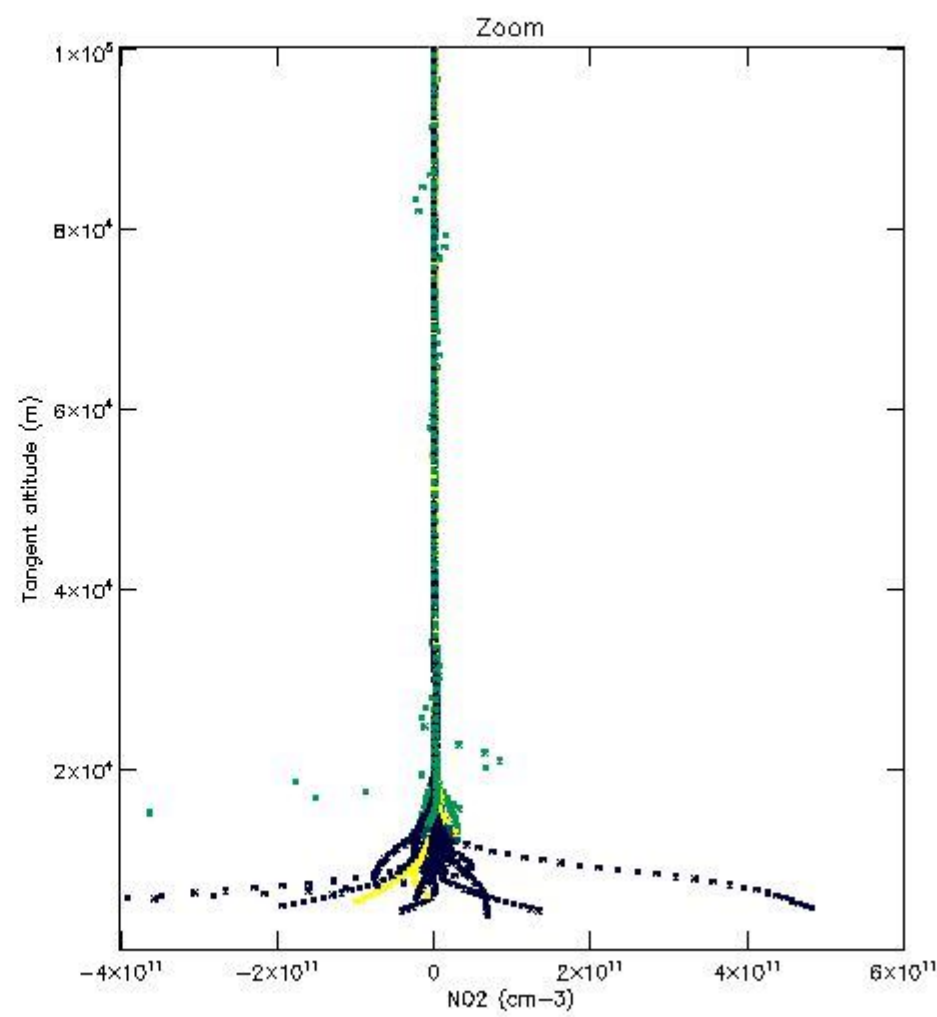
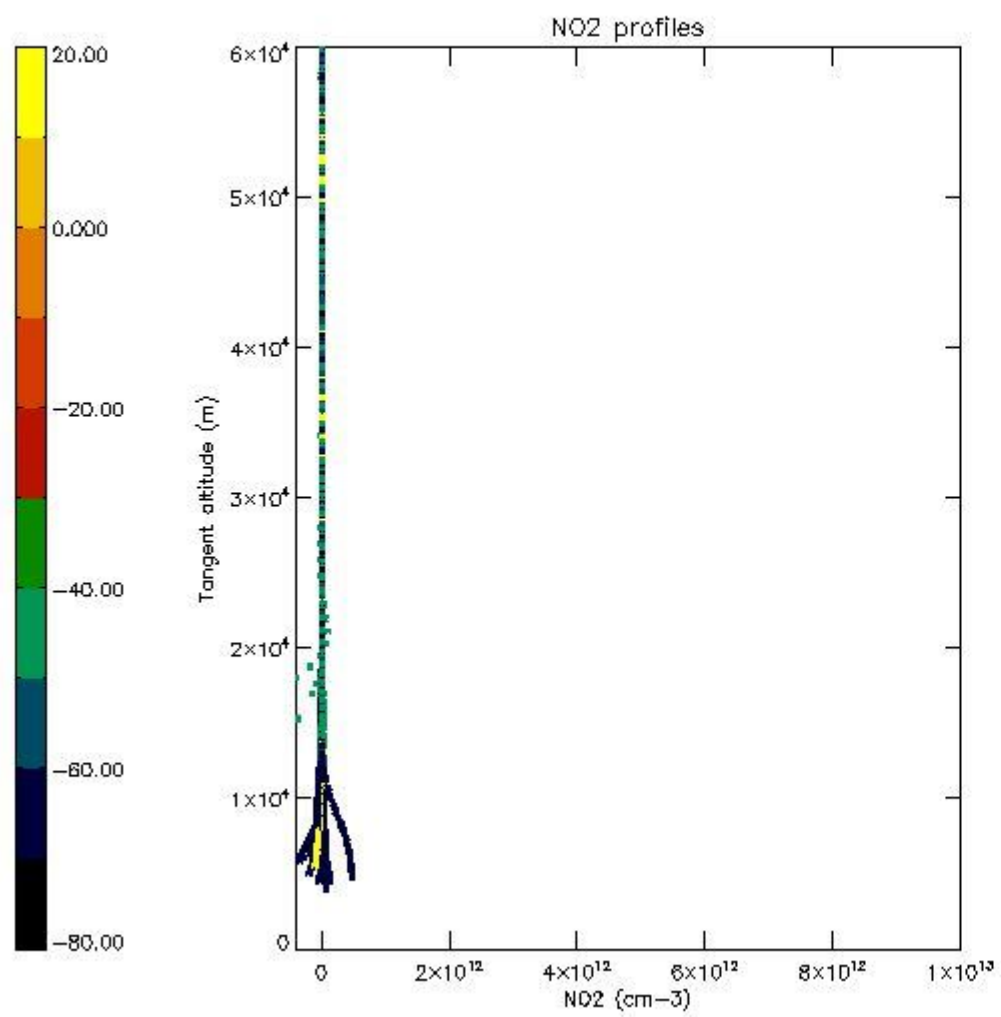
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



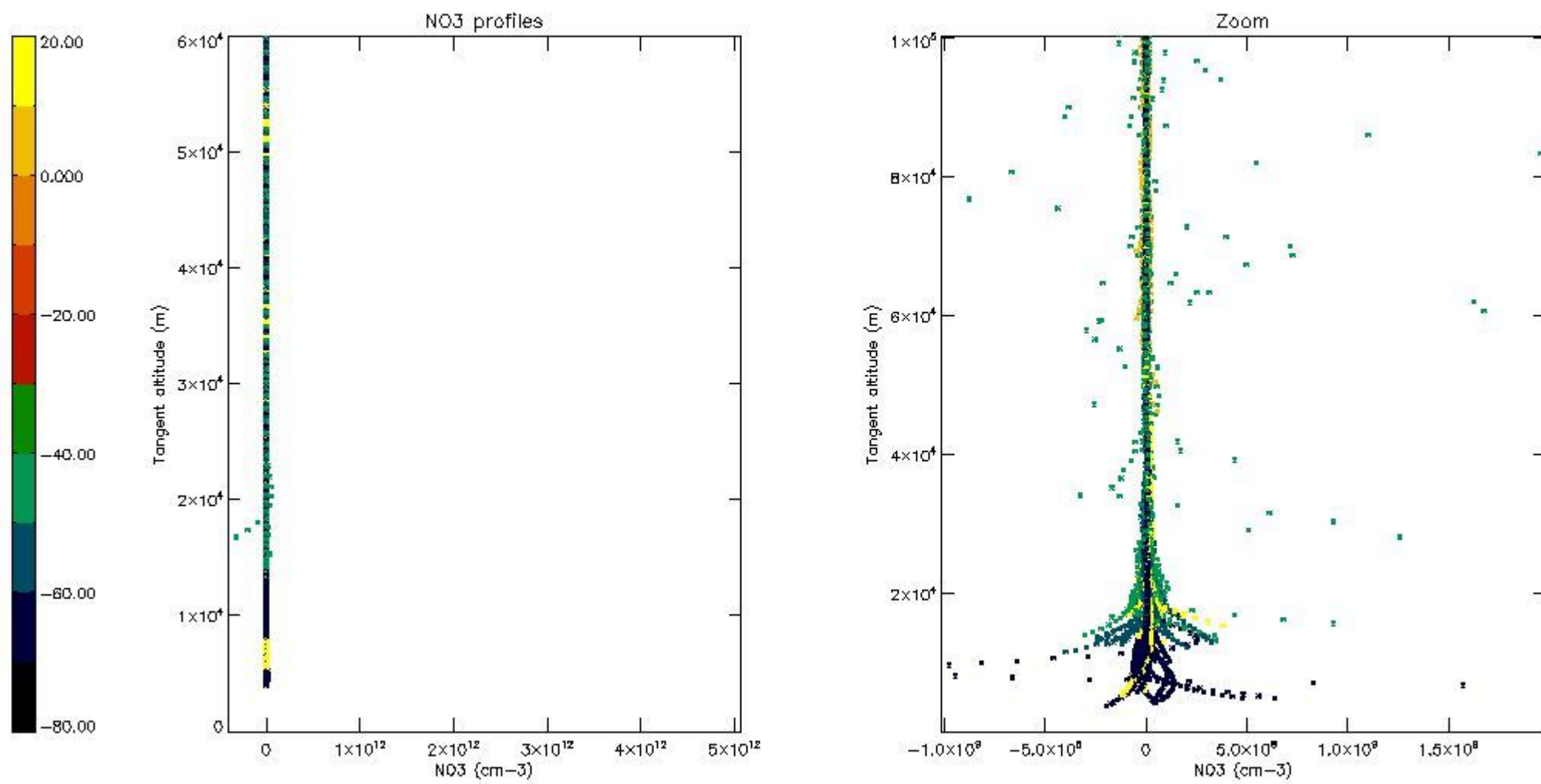
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



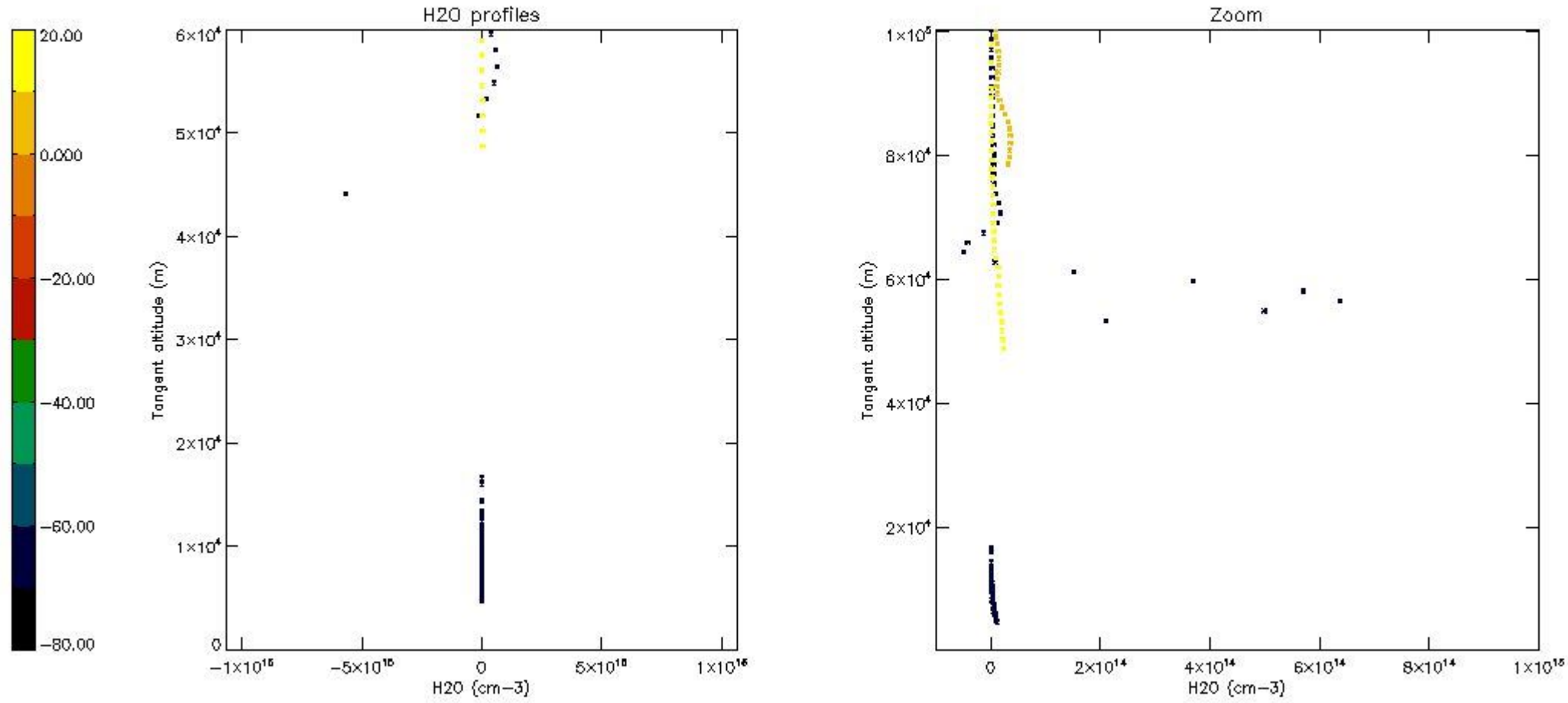
5.7 Plot NO3 profiles for all STD (dark without errors)

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	22-AUG-2008 00:02:53
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	22-AUG-2008 00:02:53
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	22-AUG-2008 00:02:53

GOMOS Level 2 Daily Report

SUMMARY

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

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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 19:08:09
Data source version	GOMOS/6.01
Start time of products	22-08-2008 (22AUG2008 00:00:00)
Stop time of products	23-08-2008 (23AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	272
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__2PRFIN20080822_000253_000000332071_00245_33866_8201.N1	22-AUG-2008 00:02:53	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	33866	No
2	GOM_NL__2PRFIN20080822_001520_000000492071_00245_33866_8202.N1	22-AUG-2008 00:15:20	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	33866	No
3	GOM_NL__2PRFIN20080822_001829_000000392071_00245_33866_8203.N1	22-AUG-2008 00:18:29	Bright	39.000	107	37The Aur	2.6490	11000.	78	33866	No
4	GOM_NL__2PRFIN20080822_002303_000000482071_00245_33866_8204.N1	22-AUG-2008 00:23:03	Twilight	48.000	151	13Mu Gem	2.8900	3000.0	96	33866	No
5	GOM_NL__2PRFIN20080822_002441_000000432071_00245_33866_8205.N1	22-AUG-2008 00:24:41	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	33866	No
6	GOM_NL__2PRFIN20080822_002831_000000642071_00245_33866_8206.N1	22-AUG-2008 00:28:31	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	33866	No
7	GOM_NL__2PRFIN20080822_003200_000000522071_00245_33866_8207.N1	22-AUG-2008 00:32:00	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	33866	No
8	GOM_NL__2PRFIN20080822_003358_000000412071_00245_33866_8208.N1	22-AUG-2008 00:33:58	Dark	40.500	1	9Alp CMa	-1.4400	11000.	81	33866	No
9	GOM_NL__2PRFIN20080822_003658_000000512071_00245_33866_8209.N1	22-AUG-2008 00:36:58	Dark	51.000	101	11Alp Lep	2.5820	7000.0	102	33866	No
10	GOM_NL__2PRFIN20080822_005128_000000392071_00246_33867_8206.N1	22-AUG-2008 00:51:28	Dark	39.000	157	The1Eri	2.9060	9300.0	78	33867	No
11	GOM_NL__2PRFIN20080822_005448_000000442071_00246_33867_8207.N1	22-AUG-2008 00:54:48	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33867	No
12	GOM_NL__2PRFIN20080822_010042_000000552071_00246_33867_8208.N1	22-AUG-2008 01:00:42	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	33867	No
13	GOM_NL__2PRFIN20080822_010338_000000392071_00246_33867_8209.N1	22-AUG-2008 01:03:38	Straylight	38.500	31	Alp Gru	1.7340	15200.	77	33867	No
14	GOM_NL__2PRFIN20080822_010738_000000532071_00246_33867_8210.N1	22-AUG-2008 01:07:38	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	33867	No
15	GOM_NL__2PRFIN20080822_011254_000000412071_00246_33867_8211.N1	22-AUG-2008 01:12:54	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	33867	No
16	GOM_NL__2PRFIN20080822_011612_000000402071_00246_33867_8212.N1	22-AUG-2008 01:16:12	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33867	No
17	GOM_NL__2PRFIN20080822_012104_000000432071_00246_33867_8213.N1	22-AUG-2008 01:21:04	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	33867	No
18	GOM_NL__2PRFIN20080822_012742_000000372071_00246_33867_8214.N1	22-AUG-2008 01:27:42	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33867	No
19	GOM_NL__2PRFIN20080822_012925_000000342071_00246_33867_8215.N1	22-AUG-2008 01:29:25	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	33867	No
20	GOM_NL__2PRFIN20080822_013054_000000342071_00246_33867_8216.N1	22-AUG-2008 01:30:54	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	33867	No
21	GOM_NL__2PRFIN20080822_013608_000000372071_00246_33867_8217.N1	22-AUG-2008 01:36:08	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33867	No
22	GOM_NL__2PRFIN20080822_014329_000000352071_00246_33867_8218.N1	22-AUG-2008 01:43:29	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	33867	No
23	GOM_NL__2PRFIN20080822_015556_000000502071_00246_33867_8219.N1	22-AUG-2008 01:55:56	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	33867	No
24	GOM_NL__2PRFIN20080822_015905_000000422071_00246_33867_8220.N1	22-AUG-2008 01:59:05	Bright	42.000	107	37The Aur	2.6490	11000.	84	33867	No
25	GOM_NL__2PRFIN20080822_020339_000000502071_00246_33867_8221.N1	22-AUG-2008 02:03:39	Twilight	50.000	151	13Mu Gem	2.8900	3000.0	100	33867	No
26	GOM_NL__2PRFIN20080822_020518_000000452071_00246_33867_8222.N1	22-AUG-2008 02:05:18	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	33867	No
27	GOM_NL__2PRFIN20080822_020908_000000642071_00246_33867_8223.N1	22-AUG-2008 02:09:08	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	33867	No
28	GOM_NL__2PRFIN20080822_021237_000000532071_00246_33867_8224.N1	22-AUG-2008 02:12:37	Dark	52.500	30	46Eps Ori	1.6940	30000.	105	33867	No
29	GOM_NL__2PRFIN20080822_021435_000000402071_00246_33867_8225.N1	22-AUG-2008 02:14:35	Dark	39.500	1	9Alp CMa	-1.4400	11000.	79	33867	No
30	GOM_NL__2PRFIN20080822_021734_000000492071_00246_33867_8226.N1	22-AUG-2008 02:17:34	Dark	49.000	101	11Alp Lep	2.5820	7000.0	98	33867	No
31	GOM_NL__2PRFIN20080822_023206_000000372071_00247_33868_8228.N1	22-AUG-2008 02:32:06	Dark	37.000	157	The1Eri	2.9060	9300.0	74	33868	No
32	GOM_NL__2PRFIN20080822_023525_000000462071_00247_33868_8229.N1	22-AUG-2008 02:35:25	Dark	45.500	9	Alp Eri	0.45300	24000.	91	33868	No
33	GOM_NL__2PRFIN20080822_024119_000000532071_00247_33868_8230.N1	22-AUG-2008 02:41:19	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	33868	No
34	GOM_NL__2PRFIN20080822_024414_000000402071_00247_33868_8231.N1	22-AUG-2008 02:44:14	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33868	No
35	GOM_NL__2PRFIN20080822_024815_000000472071_00247_33868_8232.N1	22-AUG-2008 02:48:15	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	33868	No
36	GOM_NL__2PRFIN20080822_025330_000000402071_00247_33868_8233.N1	22-AUG-2008 02:53:30	Bright	39.500	142	49Del Cap	2.8500	8900.0	79	33868	No
37	GOM_NL__2PRFIN20080822_025648_000000402071_00247_33868_8234.N1	22-AUG-2008 02:56:48	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33868	No
38	GOM_NL__2PRFIN20080822_025834_000000442071_00247_33868_8235.N1	22-AUG-2008 02:58:34	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33868	No
39	GOM_NL__2PRFIN20080822_030139_000000412071_00247_33868_8236.N1	22-AUG-2008 03:01:39	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	33868	No
40	GOM_NL__2PRFIN20080822_030818_000000362071_00247_33868_8237.N1	22-AUG-2008 03:08:18	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	33868	No
41	GOM_NL__2PRFIN20080822_031001_000000352071_00247_33868_8238.N1	22-AUG-2008 03:10:01	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33868	No
42	GOM_NL__2PRFIN20080822_031130_000000372071_00247_33868_8239.N1	22-AUG-2008 03:11:30	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	33868	No

43	GOM_NL__2PRFIN20080822_031644_000000352071_00247_33868_8240.N1	22-AUG-2008 03:16:44	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	33868	No
44	GOM_NL__2PRFIN20080822_032405_000000342071_00247_33868_8241.N1	22-AUG-2008 03:24:05	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	33868	No
45	GOM_NL__2PRFIN20080822_033631_000000522071_00247_33868_8242.N1	22-AUG-2008 03:36:31	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	33868	No
46	GOM_NL__2PRFIN20080822_033941_000000432071_00247_33868_8243.N1	22-AUG-2008 03:39:41	Bright	42.500	107	37The Aur	2.6490	11000.	85	33868	No
47	GOM_NL__2PRFIN20080822_034416_000000492071_00247_33868_8244.N1	22-AUG-2008 03:44:16	Twi_and_stray	49.000	151	13Mu Gem	2.8900	3000.0	98	33868	No
48	GOM_NL__2PRFIN20080822_034554_000000452071_00247_33868_8245.N1	22-AUG-2008 03:45:54	Twi_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	33868	No
49	GOM_NL__2PRFIN20080822_034944_000000472071_00247_33868_8246.N1	22-AUG-2008 03:49:44	Dark	47.000	14	58Alp Ori	0.87000	3000.0	94	33868	No
50	GOM_NL__2PRFIN20080822_035313_000000552071_00247_33868_8247.N1	22-AUG-2008 03:53:13	Dark	54.500	30	46Eps Ori	1.6940	30000.	109	33868	No
51	GOM_NL__2PRFIN20080822_035511_000000482071_00247_33868_8248.N1	22-AUG-2008 03:55:11	Dark	48.000	1	9Alp CMa	-1.4400	11000.	96	33868	No
52	GOM_NL__2PRFIN20080822_035811_000000482071_00247_33868_8249.N1	22-AUG-2008 03:58:11	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	33868	No
53	GOM_NL__2PRFIN20080822_041243_000000372071_00248_33869_8264.N1	22-AUG-2008 04:12:43	Dark	37.000	157	The1Eri	2.9060	9300.0	74	33869	No
54	GOM_NL__2PRFIN20080822_041601_000000442071_00248_33869_8265.N1	22-AUG-2008 04:16:01	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33869	No
55	GOM_NL__2PRFIN20080822_042156_000000492071_00248_33869_8266.N1	22-AUG-2008 04:21:56	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	33869	No
56	GOM_NL__2PRFIN20080822_042450_000000392071_00248_33869_8267.N1	22-AUG-2008 04:24:50	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	33869	No
57	GOM_NL__2PRFIN20080822_042851_000000472071_00248_33869_8268.N1	22-AUG-2008 04:28:51	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	33869	No
58	GOM_NL__2PRFIN20080822_043406_000000412071_00248_33869_8269.N1	22-AUG-2008 04:34:06	Bright	40.500	142	49Del Cap	2.8500	8900.0	81	33869	No
59	GOM_NL__2PRFIN20080822_043724_000000392071_00248_33869_8270.N1	22-AUG-2008 04:37:24	Bright	39.000	154	22Bet Aqr	2.8990	5700.0	78	33869	No
60	GOM_NL__2PRFIN20080822_043910_000000442071_00248_33869_8271.N1	22-AUG-2008 04:39:10	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33869	No
61	GOM_NL__2PRFIN20080822_044215_000000432071_00248_33869_8272.N1	22-AUG-2008 04:42:15	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	33869	No
62	GOM_NL__2PRFIN20080822_044854_000000352071_00248_33869_8273.N1	22-AUG-2008 04:48:54	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	33869	No
63	GOM_NL__2PRFIN20080822_045037_000000372071_00248_33869_8274.N1	22-AUG-2008 04:50:37	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33869	No
64	GOM_NL__2PRFIN20080822_045206_000000362071_00248_33869_8275.N1	22-AUG-2008 04:52:06	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	33869	No
65	GOM_NL__2PRFIN20080822_045720_000000372071_00248_33869_8276.N1	22-AUG-2008 04:57:20	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	33869	No
66	GOM_NL__2PRFIN20080822_050441_000000322071_00248_33869_8277.N1	22-AUG-2008 05:04:41	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	33869	No
67	GOM_NL__2PRFIN20080822_051707_000000532071_00248_33869_8278.N1	22-AUG-2008 05:17:07	Bright	52.500	6	13Alp Aur	0.080000	3400.0	105	33869	No
68	GOM_NL__2PRFIN20080822_052017_000000422071_00248_33869_8279.N1	22-AUG-2008 05:20:17	Bright	42.000	107	37The Aur	2.6490	11000.	84	33869	No
69	GOM_NL__2PRFIN20080822_052452_000000492071_00248_33869_8280.N1	22-AUG-2008 05:24:52	Twi_and_stray	48.500	151	13Mu Gem	2.8900	3000.0	97	33869	No
70	GOM_NL__2PRFIN20080822_052630_000000412071_00248_33869_8281.N1	22-AUG-2008 05:26:30	Twi_and_stray	41.000	44	24Gam Gem	1.9280	11000.	82	33869	No
71	GOM_NL__2PRFIN20080822_053021_000000562071_00248_33869_8282.N1	22-AUG-2008 05:30:21	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	33869	No
72	GOM_NL__2PRFIN20080822_053350_000000562071_00248_33869_8283.N1	22-AUG-2008 05:33:50	Dark	55.500	30	46Eps Ori	1.6940	30000.	111	33869	No
73	GOM_NL__2PRFIN20080822_053548_000000502071_00248_33869_8284.N1	22-AUG-2008 05:35:48	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	33869	No
74	GOM_NL__2PRFIN20080822_053848_000000492071_00248_33869_8285.N1	22-AUG-2008 05:38:48	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	33869	No
75	GOM_NL__2PRFIN20080822_055320_000000352071_00249_33870_8287.N1	22-AUG-2008 05:53:20	Dark	35.000	157	The1Eri	2.9060	9300.0	70	33870	No
76	GOM_NL__2PRFIN20080822_055638_000000462071_00249_33870_8288.N1	22-AUG-2008 05:56:38	Dark	45.500	9	Alp Eri	0.45300	24000.	91	33870	No
77	GOM_NL__2PRFIN20080822_060232_000000512071_00249_33870_8289.N1	22-AUG-2008 06:02:32	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	33870	No
78	GOM_NL__2PRFIN20080822_060526_000000482071_00249_33870_8290.N1	22-AUG-2008 06:05:26	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	33870	No
79	GOM_NL__2PRFIN20080822_060927_000000522071_00249_33870_8291.N1	22-AUG-2008 06:09:27	Twi_and_stray	51.500	18	24Alp PsA	1.1660	9700.0	103	33870	No
80	GOM_NL__2PRFIN20080822_061442_000000422071_00249_33870_8292.N1	22-AUG-2008 06:14:42	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	33870	No
81	GOM_NL__2PRFIN20080822_061800_000000392071_00249_33870_8293.N1	22-AUG-2008 06:18:00	Bright	39.000	154	22Bet Aqr	2.8990	5700.0	78	33870	No
82	GOM_NL__2PRFIN20080822_061946_000000452071_00249_33870_8294.N1	22-AUG-2008 06:19:46	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	33870	No
83	GOM_NL__2PRFIN20080822_062251_000000422071_00249_33870_8295.N1	22-AUG-2008 06:22:51	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	33870	No
84	GOM_NL__2PRFIN20080822_062930_000000382071_00249_33870_8296.N1	22-AUG-2008 06:29:30	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33870	No
85	GOM_NL__2PRFIN20080822_063113_000000372071_00249_33870_8297.N1	22-AUG-2008 06:31:13	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33870	No
86	GOM_NL__2PRFIN20080822_063242_000000382071_00249_33870_8298.N1	22-AUG-2008 06:32:42	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	33870	No
87	GOM_NL__2PRFIN20080822_063755_000000372071_00249_33870_8299.N1	22-AUG-2008 06:37:55	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33870	No
88	GOM_NL__2PRFIN20080822_064517_000000362071_00249_33870_8300.N1	22-AUG-2008 06:45:17	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33870	No
89	GOM_NL__2PRFIN20080822_065743_000000522071_00249_33870_8301.N1	22-AUG-2008 06:57:43	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	33870	No
90	GOM_NL__2PRFIN20080822_070053_000000422071_00249_33870_8302.N1	22-AUG-2008 07:00:53	Bright	41.500	107	37The Aur	2.6490	11000.	83	33870	No
91	GOM_NL__2PRFIN20080822_070528_000000432071_00249_33870_8303.N1	22-AUG-2008 07:05:28	Twi_and_stray	43.000	151	13Mu Gem	2.8900	3000.0	86	33870	No
92	GOM_NL__2PRFIN20080822_070706_000000412071_00249_33870_8304.N1	22-AUG-2008 07:07:06	Twi_and_stray	41.000	44	24Gam Gem	1.9280	11000.	82	33870	No
93	GOM_NL__2PRFIN20080822_071057_000000652071_00249_33870_8305.N1	22-AUG-2008 07:10:57	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	33870	No
94	GOM_NL__2PRFIN20080822_071427_000000542071_00249_33870_8306.N1	22-AUG-2008 07:14:27	Dark	53.500	30	46Eps Ori	1.6940	30000.	107	33870	No
95	GOM_NL__2PRFIN20080822_071624_000000462071_00249_33870_8307.N1	22-AUG-2008 07:16:24	Dark	46.000	1	9Alp CMa	-1.4400	11000.	92	33870	No
96	GOM_NL__2PRFIN20080822_071925_000000502071_00249_33870_8308.N1	22-AUG-2008 07:19:25	Dark	49.500	101	11Alp Lep	2.5820	7000.0	99	33870	No
97	GOM_NL__2PRFIN20080822_073357_000000352071_00250_33871_8308.N1	22-AUG-2008 07:33:57	Dark	35.000	157	The1Eri	2.9060	9300.0	70	33871	No
98	GOM_NL__2PRFIN20080822_073715_000000542071_00250_33871_8309.N1	22-AUG-2008 07:37:15	Dark	54.000	9	Alp Eri	0.45300	24000.	108	33871	No
99	GOM_NL__2PRFIN20080822_074309_000000492071_00250_33871_8310.N1	22-AUG-2008 07:43:09	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	33871	No
100	GOM_NL__2PRFIN20080822_074603_000000432071_00250_33871_8311.N1	22-AUG-2008 07:46:03	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	33871	No
101	GOM_NL__2PRFIN20080822_075004_000000512071_00250_33871_8312.N1	22-AUG-2008 07:50:04	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	33871	No

102	GOM_NL__2PRFIN20080822_075518_000000422071_00250_33871_8313.N1	22-AUG-2008 07:55:18	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	33871	No
103	GOM_NL__2PRFIN20080822_075836_000000402071_00250_33871_8314.N1	22-AUG-2008 07:58:36	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33871	No
104	GOM_NL__2PRFIN20080822_080022_000000442071_00250_33871_8315.N1	22-AUG-2008 08:00:22	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33871	No
105	GOM_NL__2PRFIN20080822_080327_000000592071_00250_33871_8316.N1	22-AUG-2008 08:03:27	Bright	59.000	61	8Eps Peg	2.1000	3900.0	118	33871	No
106	GOM_NL__2PRFIN20080822_081006_000000382071_00250_33871_8317.N1	22-AUG-2008 08:10:06	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33871	No
107	GOM_NL__2PRFIN20080822_081149_000000372071_00250_33871_8318.N1	22-AUG-2008 08:11:49	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	33871	No
108	GOM_NL__2PRFIN20080822_081318_000000382071_00250_33871_8319.N1	22-AUG-2008 08:13:18	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	33871	No
109	GOM_NL__2PRFIN20080822_081831_000000382071_00250_33871_8320.N1	22-AUG-2008 08:18:31	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	33871	No
110	GOM_NL__2PRFIN20080822_082553_000000352071_00250_33871_8321.N1	22-AUG-2008 08:25:53	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	33871	No
111	GOM_NL__2PRFIN20080822_083819_000000492071_00250_33871_8322.N1	22-AUG-2008 08:38:19	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	33871	No
112	GOM_NL__2PRFIN20080822_084129_000000402071_00250_33871_8323.N1	22-AUG-2008 08:41:29	Bright	39.500	107	37The Aur	2.6490	11000.	79	33871	No
113	GOM_NL__2PRFIN20080822_084604_000000512071_00250_33871_8324.N1	22-AUG-2008 08:46:04	Tw_i_and_stray	50.500	151	13Mu Gem	2.8900	3000.0	101	33871	No
114	GOM_NL__2PRFIN20080822_084743_000000472071_00250_33871_8325.N1	22-AUG-2008 08:47:43	Tw_i_and_stray	46.500	44	24Gam Gem	1.9280	11000.	93	33871	No
115	GOM_NL__2PRFIN20080822_085134_000000652071_00250_33871_8326.N1	22-AUG-2008 08:51:34	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	33871	No
116	GOM_NL__2PRFIN20080822_085504_000000552071_00250_33871_8327.N1	22-AUG-2008 08:55:04	Dark	55.000	30	46Eps Ori	1.6940	30000.	110	33871	No
117	GOM_NL__2PRFIN20080822_085700_000000472071_00250_33871_8328.N1	22-AUG-2008 08:57:00	Dark	46.500	1	9Alp CMa	-1.4400	11000.	93	33871	No
118	GOM_NL__2PRFIN20080822_090002_000000512071_00250_33871_8329.N1	22-AUG-2008 09:00:02	Dark	50.500	101	11Alp Lep	2.5820	7000.0	101	33871	No
119	GOM_NL__2PRFIN20080822_091434_000000332071_00251_33872_8338.N1	22-AUG-2008 09:14:34	Dark	33.000	157	The1Eri	2.9060	9300.0	66	33872	No
120	GOM_NL__2PRFIN20080822_091751_000000482071_00251_33872_8339.N1	22-AUG-2008 09:17:51	Dark	48.000	9	Alp Eri	0.45300	24000.	96	33872	No
121	GOM_NL__2PRFIN20080822_092346_000000512071_00251_33872_8340.N1	22-AUG-2008 09:23:46	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	33872	No
122	GOM_NL__2PRFIN20080822_092639_000000402071_00251_33872_8341.N1	22-AUG-2008 09:26:39	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	33872	No
123	GOM_NL__2PRFIN20080822_093040_000000532071_00251_33872_8342.N1	22-AUG-2008 09:30:40	Tw_i_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	33872	No
124	GOM_NL__2PRFIN20080822_093554_000000412071_00251_33872_8343.N1	22-AUG-2008 09:35:54	Bright	40.500	142	49Del Cap	2.8500	8900.0	81	33872	No
125	GOM_NL__2PRFIN20080822_093912_000000402071_00251_33872_8344.N1	22-AUG-2008 09:39:12	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33872	No
126	GOM_NL__2PRFIN20080822_094058_000000452071_00251_33872_8345.N1	22-AUG-2008 09:40:58	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	33872	No
127	GOM_NL__2PRFIN20080822_094403_000000432071_00251_33872_8346.N1	22-AUG-2008 09:44:03	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	33872	No
128	GOM_NL__2PRFIN20080822_095041_000000372071_00251_33872_8347.N1	22-AUG-2008 09:50:41	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33872	No
129	GOM_NL__2PRFIN20080822_095225_000000342071_00251_33872_8348.N1	22-AUG-2008 09:52:25	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	33872	No
130	GOM_NL__2PRFIN20080822_095353_000000362071_00251_33872_8349.N1	22-AUG-2008 09:53:53	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	33872	No
131	GOM_NL__2PRFIN20080822_095907_000000382071_00251_33872_8350.N1	22-AUG-2008 09:59:07	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	33872	No
132	GOM_NL__2PRFIN20080822_100629_000000372071_00251_33872_8351.N1	22-AUG-2008 10:06:29	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33872	No
133	GOM_NL__2PRFIN20080822_101855_000000542071_00251_33872_8352.N1	22-AUG-2008 10:18:55	Bright	53.500	6	13Alp Aur	0.080000	3400.0	107	33872	No
134	GOM_NL__2PRFIN20080822_102205_000000422071_00251_33872_8353.N1	22-AUG-2008 10:22:05	Bright	42.000	107	37The Aur	2.6490	11000.	84	33872	No
135	GOM_NL__2PRFIN20080822_102640_000000492071_00251_33872_8354.N1	22-AUG-2008 10:26:40	Tw_i_and_stray	49.000	151	13Mu Gem	2.8900	3000.0	98	33872	No
136	GOM_NL__2PRFIN20080822_102819_000000442071_00251_33872_8355.N1	22-AUG-2008 10:28:19	Tw_i_and_stray	43.500	44	24Gam Gem	1.9280	11000.	87	33872	No
137	GOM_NL__2PRFIN20080822_103210_000000652071_00251_33872_8356.N1	22-AUG-2008 10:32:10	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	33872	No
138	GOM_NL__2PRFIN20080822_103540_000000522071_00251_33872_8357.N1	22-AUG-2008 10:35:40	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	33872	No
139	GOM_NL__2PRFIN20080822_103737_000000462071_00251_33872_8358.N1	22-AUG-2008 10:37:37	Dark	46.000	1	9Alp CMa	-1.4400	11000.	92	33872	No
140	GOM_NL__2PRFIN20080822_104039_000000502071_00251_33872_8359.N1	22-AUG-2008 10:40:39	Dark	49.500	101	11Alp Lep	2.5820	7000.0	99	33872	No
141	GOM_NL__2PRFIN20080822_105512_000000332071_00252_33873_8356.N1	22-AUG-2008 10:55:12	Dark	33.000	157	The1Eri	2.9060	9300.0	66	33873	No
142	GOM_NL__2PRFIN20080822_105828_000000472071_00252_33873_8357.N1	22-AUG-2008 10:58:28	Dark	47.000	9	Alp Eri	0.45300	24000.	94	33873	No
143	GOM_NL__2PRFIN20080822_110423_000000602071_00252_33873_8358.N1	22-AUG-2008 11:04:23	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	33873	No
144	GOM_NL__2PRFIN20080822_110715_000000402071_00252_33873_8359.N1	22-AUG-2008 11:07:15	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33873	No
145	GOM_NL__2PRFIN20080822_111116_000000532071_00252_33873_8360.N1	22-AUG-2008 11:11:16	Tw_i_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	33873	No
146	GOM_NL__2PRFIN20080822_111630_000000412071_00252_33873_8361.N1	22-AUG-2008 11:16:30	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	33873	No
147	GOM_NL__2PRFIN20080822_111948_000000392071_00252_33873_8362.N1	22-AUG-2008 11:19:48	Bright	39.000	154	22Bet Aqr	2.8990	5700.0	78	33873	No
148	GOM_NL__2PRFIN20080822_112133_000000432071_00252_33873_8363.N1	22-AUG-2008 11:21:33	Bright	43.000	162	34Alp Aqr	2.9440	5350.0	86	33873	No
149	GOM_NL__2PRFIN20080822_112438_000000402071_00252_33873_8364.N1	22-AUG-2008 11:24:38	Bright	40.000	61	8Eps Peg	2.1000	3900.0	80	33873	No
150	GOM_NL__2PRFIN20080822_113117_000000342071_00252_33873_8365.N1	22-AUG-2008 11:31:17	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	33873	No
151	GOM_NL__2PRFIN20080822_113300_000000342071_00252_33873_8366.N1	22-AUG-2008 11:33:00	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	33873	No
152	GOM_NL__2PRFIN20080822_113429_000000382071_00252_33873_8367.N1	22-AUG-2008 11:34:29	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	33873	No
153	GOM_NL__2PRFIN20080822_113942_000000382071_00252_33873_8368.N1	22-AUG-2008 11:39:42	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33873	No
154	GOM_NL__2PRFIN20080822_114704_000000362071_00252_33873_8369.N1	22-AUG-2008 11:47:04	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33873	No
155	GOM_NL__2PRFIN20080822_115930_000000532071_00252_33873_8370.N1	22-AUG-2008 11:59:30	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	33873	No
156	GOM_NL__2PRFIN20080822_120241_000000432071_00252_33873_8371.N1	22-AUG-2008 12:02:41	Bright	42.500	107	37The Aur	2.6490	11000.	85	33873	No
157	GOM_NL__2PRFIN20080822_120716_000000562071_00252_33873_8372.N1	22-AUG-2008 12:07:16	Tw_i_and_stray	55.500	151	13Mu Gem	2.8900	3000.0	111	33873	No
158	GOM_NL__2PRFIN20080822_120855_000000462071_00252_33873_8373.N1	22-AUG-2008 12:08:55	Tw_i_and_stray	46.000	44	24Gam Gem	1.9280	11000.	92	33873	No
159	GOM_NL__2PRFIN20080822_121246_000000562071_00252_33873_8374.N1	22-AUG-2008 12:12:46	Dark	56.000	14	58Alp Ori	0.87000	3000.0	112	33873	No
160	GOM_NL__2PRFIN20080822_121617_000000542071_00252_33873_8375.N1	22-AUG-2008 12:16:17	Dark	53.500	30	46Eps Ori	1.6940	30000.	107	33873	No

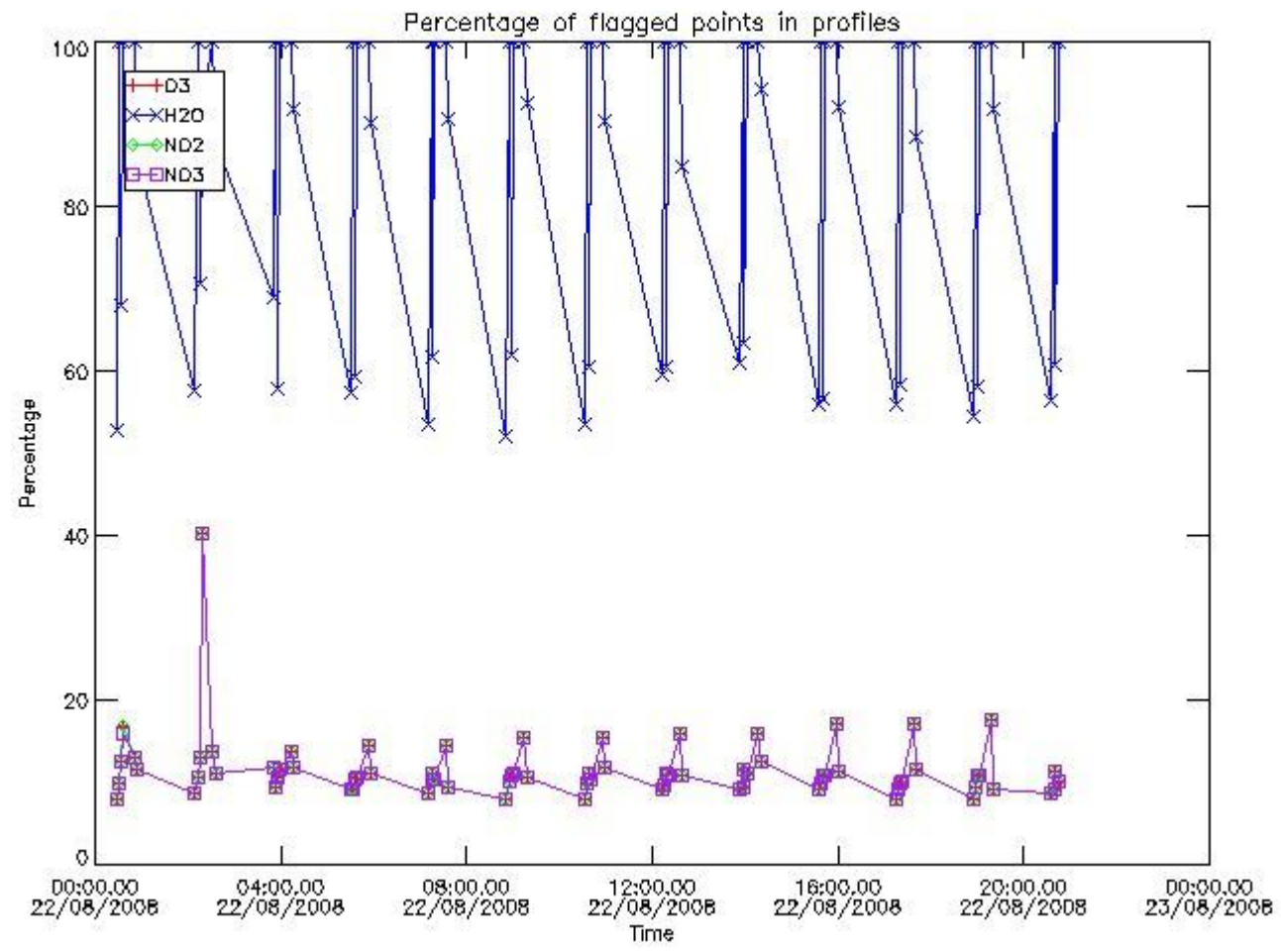
220	GOM_NL__2PRFIN20080822_164852_000000352071_00255_33876_8451.N1	22-AUG-2008 16:48:52	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	33876	No
221	GOM_NL__2PRFIN20080822_170118_000000522071_00255_33876_8452.N1	22-AUG-2008 17:01:18	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	33876	No
222	GOM_NL__2PRFIN20080822_170429_000000432071_00255_33876_8453.N1	22-AUG-2008 17:04:29	Bright	42.500	107	37The Aur	2.6490	11000.	85	33876	No
223	GOM_NL__2PRFIN20080822_170905_000000482071_00255_33876_8454.N1	22-AUG-2008 17:09:05	Twilight	48.000	151	13Mu Gem	2.8900	3000.0	96	33876	No
224	GOM_NL__2PRFIN20080822_171044_000000462071_00255_33876_8455.N1	22-AUG-2008 17:10:44	Twilight	45.500	44	24Gam Gem	1.9280	11000.	91	33876	No
225	GOM_NL__2PRFIN20080822_171436_000000652071_00255_33876_8456.N1	22-AUG-2008 17:14:36	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	33876	No
226	GOM_NL__2PRFIN20080822_171807_000000562071_00255_33876_8457.N1	22-AUG-2008 17:18:07	Dark	56.000	30	46Eps Ori	1.6940	30000.	112	33876	No
227	GOM_NL__2PRFIN20080822_172002_000000522071_00255_33876_8458.N1	22-AUG-2008 17:20:02	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	33876	No
228	GOM_NL__2PRFIN20080822_172306_000000502071_00255_33876_8459.N1	22-AUG-2008 17:23:06	Dark	50.000	101	11Alp Lep	2.5820	7000.0	100	33876	No
229	GOM_NL__2PRFIN20080822_173740_000000302071_00256_33877_8454.N1	22-AUG-2008 17:37:40	Dark	30.000	157	The1Eri	2.9060	9300.0	60	33877	No
230	GOM_NL__2PRFIN20080822_174054_000000442071_00256_33877_8455.N1	22-AUG-2008 17:40:54	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33877	No
231	GOM_NL__2PRFIN20080822_174649_000000522071_00256_33877_8456.N1	22-AUG-2008 17:46:49	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	33877	No
232	GOM_NL__2PRFIN20080822_174940_000000382071_00256_33877_8457.N1	22-AUG-2008 17:49:40	Straylight	38.000	31	Alp Gru	1.7340	15200.	76	33877	No
233	GOM_NL__2PRFIN20080822_175341_000000512071_00256_33877_8458.N1	22-AUG-2008 17:53:41	Straylight	51.000	18	24Alp PsA	1.1660	9700.0	102	33877	No
234	GOM_NL__2PRFIN20080822_175855_000000512071_00256_33877_8459.N1	22-AUG-2008 17:58:55	Bright	51.000	142	49Del Cap	2.8500	8900.0	102	33877	No
235	GOM_NL__2PRFIN20080822_180212_000000402071_00256_33877_8460.N1	22-AUG-2008 18:02:12	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33877	No
236	GOM_NL__2PRFIN20080822_180356_000000442071_00256_33877_8461.N1	22-AUG-2008 18:03:56	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33877	No
237	GOM_NL__2PRFIN20080822_180701_000000422071_00256_33877_8462.N1	22-AUG-2008 18:07:01	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	33877	No
238	GOM_NL__2PRFIN20080822_181341_000000382071_00256_33877_8463.N1	22-AUG-2008 18:13:41	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33877	No
239	GOM_NL__2PRFIN20080822_181524_000000362071_00256_33877_8464.N1	22-AUG-2008 18:15:24	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	33877	No
240	GOM_NL__2PRFIN20080822_181653_000000402071_00256_33877_8465.N1	22-AUG-2008 18:16:53	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	33877	No
241	GOM_NL__2PRFIN20080822_182205_000000372071_00256_33877_8466.N1	22-AUG-2008 18:22:05	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	33877	No
242	GOM_NL__2PRFIN20080822_182928_000000362071_00256_33877_8467.N1	22-AUG-2008 18:29:28	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33877	No
243	GOM_NL__2PRFIN20080822_184153_000000502071_00256_33877_8468.N1	22-AUG-2008 18:41:53	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	33877	No
244	GOM_NL__2PRFIN20080822_184505_000000432071_00256_33877_8469.N1	22-AUG-2008 18:45:05	Bright	42.500	107	37The Aur	2.6490	11000.	85	33877	No
245	GOM_NL__2PRFIN20080822_184941_000000482071_00256_33877_8470.N1	22-AUG-2008 18:49:41	Twilight	48.000	151	13Mu Gem	2.8900	3000.0	96	33877	No
246	GOM_NL__2PRFIN20080822_185120_000000432071_00256_33877_8471.N1	22-AUG-2008 18:51:20	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	33877	No
247	GOM_NL__2PRFIN20080822_185512_000000642071_00256_33877_8472.N1	22-AUG-2008 18:55:12	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	33877	No
248	GOM_NL__2PRFIN20080822_185844_000000542071_00256_33877_8473.N1	22-AUG-2008 18:58:44	Dark	54.000	30	46Eps Ori	1.6940	30000.	108	33877	No
249	GOM_NL__2PRFIN20080822_190039_000000472071_00256_33877_8474.N1	22-AUG-2008 19:00:39	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	33877	No
250	GOM_NL__2PRFIN20080822_190342_000000482071_00256_33877_8475.N1	22-AUG-2008 19:03:42	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	33877	No
251	GOM_NL__2PRFIN20080822_191817_000000292071_00257_33878_8464.N1	22-AUG-2008 19:18:17	Dark	29.000	157	The1Eri	2.9060	9300.0	58	33878	No
252	GOM_NL__2PRFIN20080822_192131_000000562071_00257_33878_8465.N1	22-AUG-2008 19:21:31	Dark	55.500	9	Alp Eri	0.45300	24000.	111	33878	No
253	GOM_NL__2PRFIN20080822_192726_000000512071_00257_33878_8466.N1	22-AUG-2008 19:27:26	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	33878	No
254	GOM_NL__2PRFIN20080822_193016_000000392071_00257_33878_8467.N1	22-AUG-2008 19:30:16	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	33878	No
255	GOM_NL__2PRFIN20080822_193417_000000512071_00257_33878_8468.N1	22-AUG-2008 19:34:17	Straylight	51.000	18	24Alp PsA	1.1660	9700.0	102	33878	No
256	GOM_NL__2PRFIN20080822_193931_000000462071_00257_33878_8469.N1	22-AUG-2008 19:39:31	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	33878	No
257	GOM_NL__2PRFIN20080822_194248_000000402071_00257_33878_8470.N1	22-AUG-2008 19:42:48	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	33878	No
258	GOM_NL__2PRFIN20080822_194432_000000442071_00257_33878_8471.N1	22-AUG-2008 19:44:32	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	33878	No
259	GOM_NL__2PRFIN20080822_194737_000000442071_00257_33878_8472.N1	22-AUG-2008 19:47:37	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	33878	No
260	GOM_NL__2PRFIN20080822_195416_000000382071_00257_33878_8473.N1	22-AUG-2008 19:54:16	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33878	No
261	GOM_NL__2PRFIN20080822_195600_000000362071_00257_33878_8474.N1	22-AUG-2008 19:56:00	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	33878	No
262	GOM_NL__2PRFIN20080822_195728_000000352071_00257_33878_8475.N1	22-AUG-2008 19:57:28	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	33878	No
263	GOM_NL__2PRFIN20080822_200241_000000382071_00257_33878_8476.N1	22-AUG-2008 20:02:41	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	33878	No
264	GOM_NL__2PRFIN20080822_201004_000000372071_00257_33878_8477.N1	22-AUG-2008 20:10:04	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33878	No
265	GOM_NL__2PRFIN20080822_202229_000000532071_00257_33878_8478.N1	22-AUG-2008 20:22:29	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	33878	No
266	GOM_NL__2PRFIN20080822_202541_000000412071_00257_33878_8479.N1	22-AUG-2008 20:25:41	Bright	41.000	107	37The Aur	2.6490	11000.	82	33878	No
267	GOM_NL__2PRFIN20080822_203018_000000542071_00257_33878_8480.N1	22-AUG-2008 20:30:18	Twilight	53.500	151	13Mu Gem	2.8900	3000.0	107	33878	No
268	GOM_NL__2PRFIN20080822_203156_000000482071_00257_33878_8481.N1	22-AUG-2008 20:31:56	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	33878	No
269	GOM_NL__2PRFIN20080822_203549_000000592071_00257_33878_8482.N1	22-AUG-2008 20:35:49	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	33878	No
270	GOM_NL__2PRFIN20080822_203921_000000552071_00257_33878_8483.N1	22-AUG-2008 20:39:21	Dark	55.000	30	46Eps Ori	1.6940	30000.	110	33878	No
271	GOM_NL__2PRFIN20080822_204115_000000452071_00257_33878_8484.N1	22-AUG-2008 20:41:15	Dark	45.000	1	9Alp CMa	-1.4400	11000.	90	33878	No
272	GOM_NL__2PRFIN20080822_204419_000000512071_00257_33878_8485.N1	22-AUG-2008 20:44:19	Dark	50.500	101	11Alp Lep	2.5820	7000.0	101	33878	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

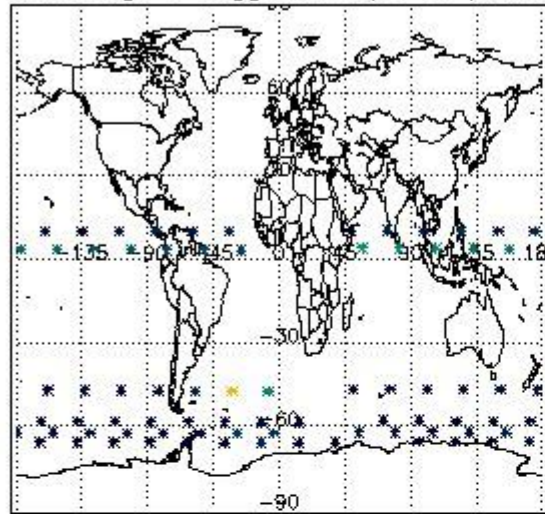
the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

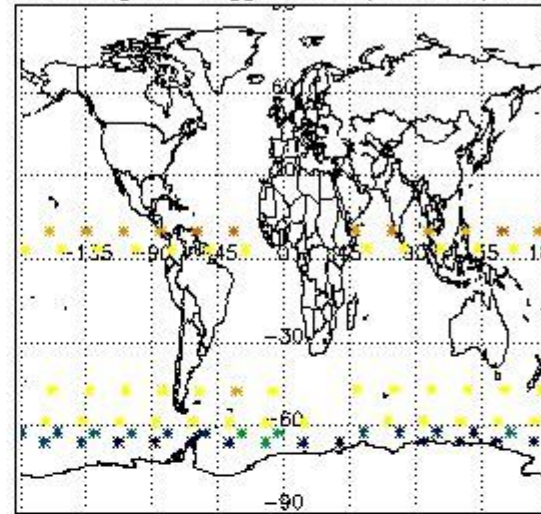


3.2 Plot quality information per product (world map)

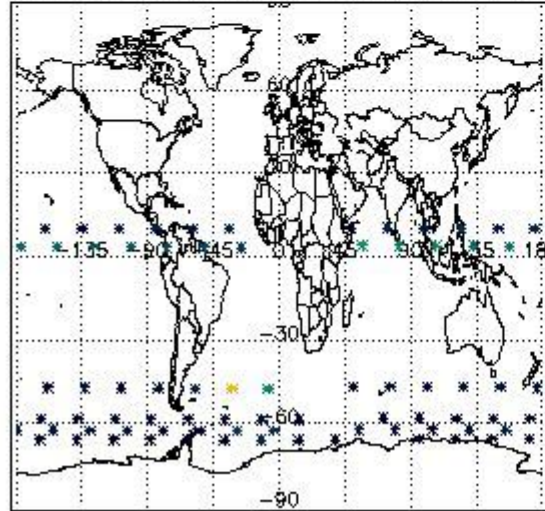
Percentage of flagged data per O3 profile



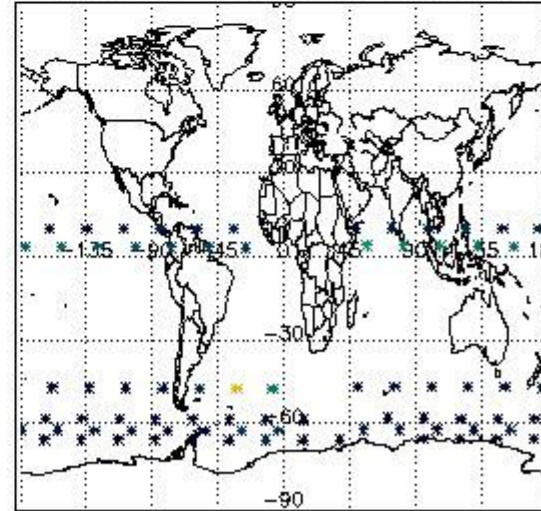
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

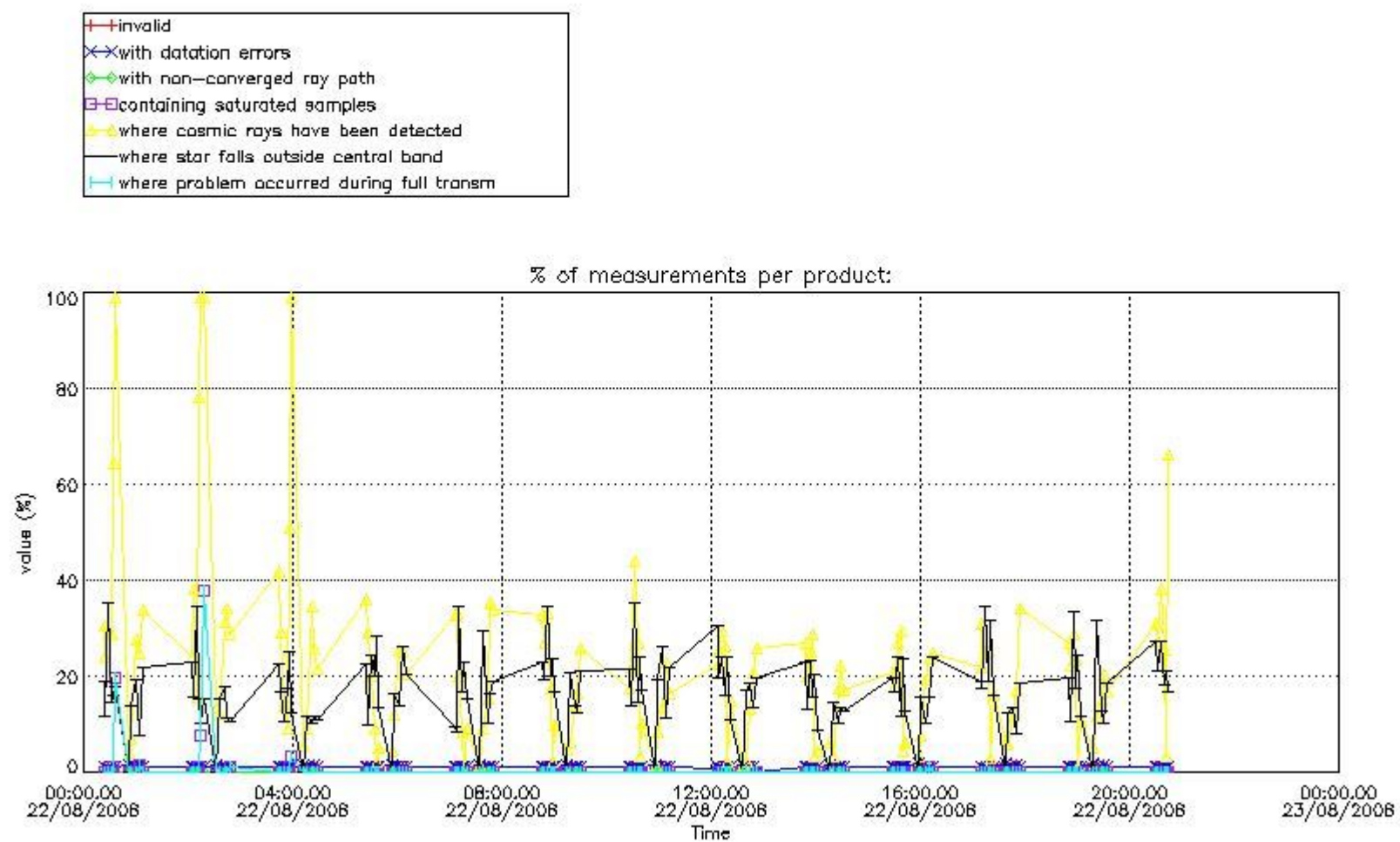


4. Level 1 quality information per product

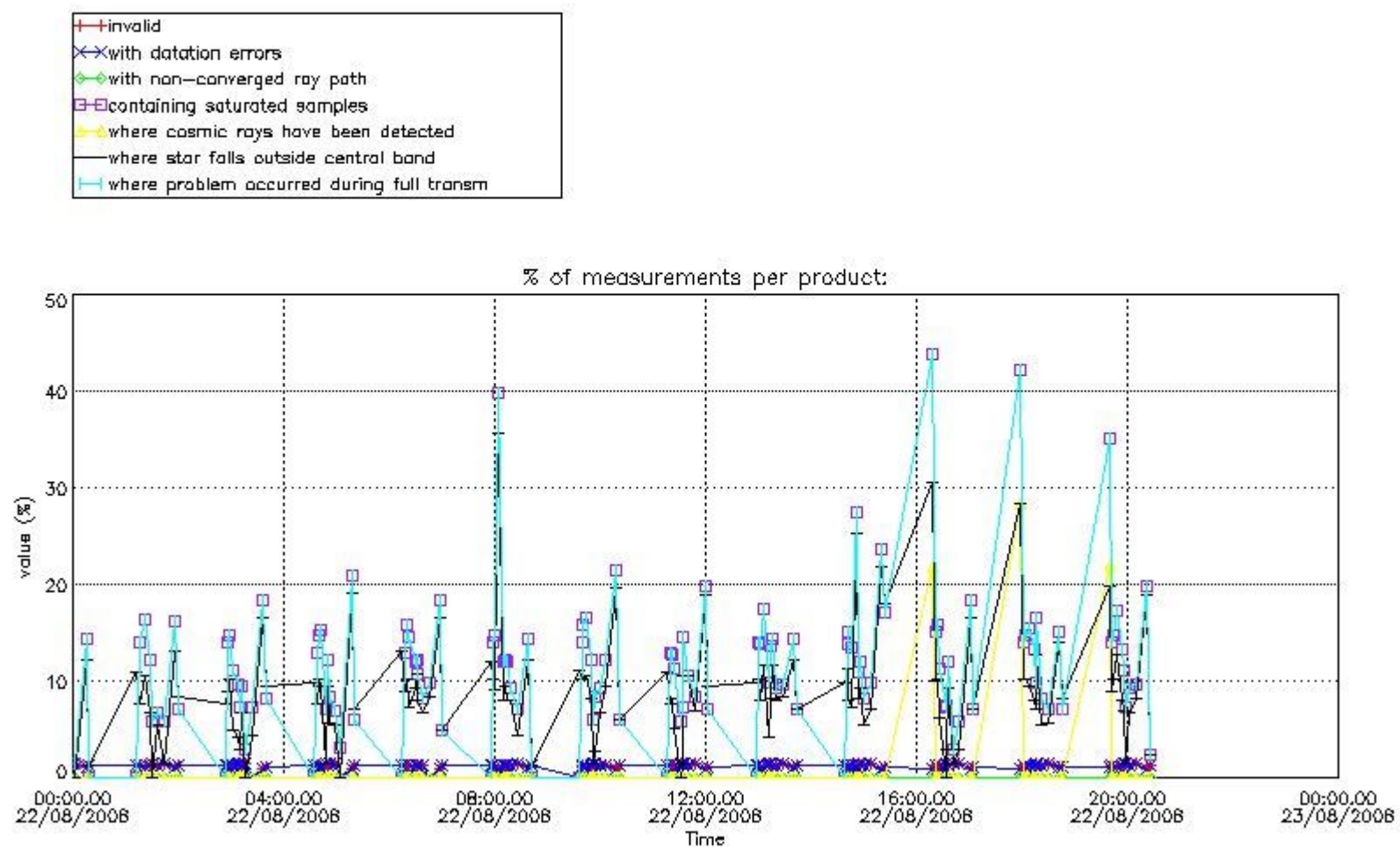
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

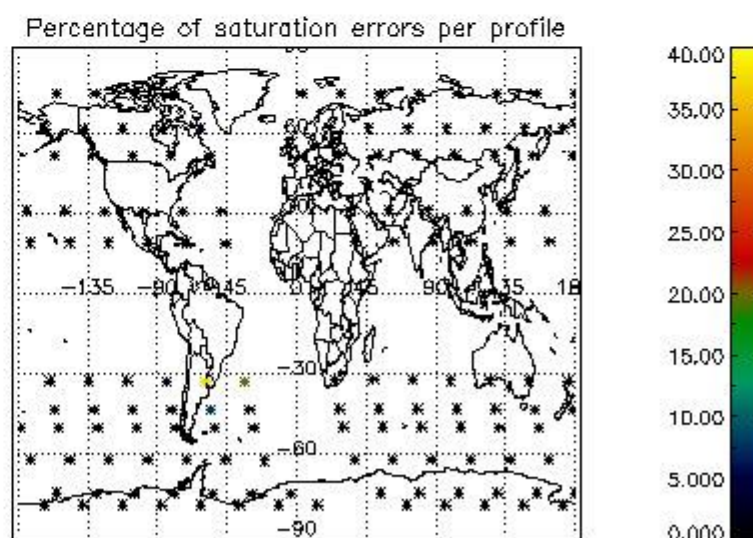
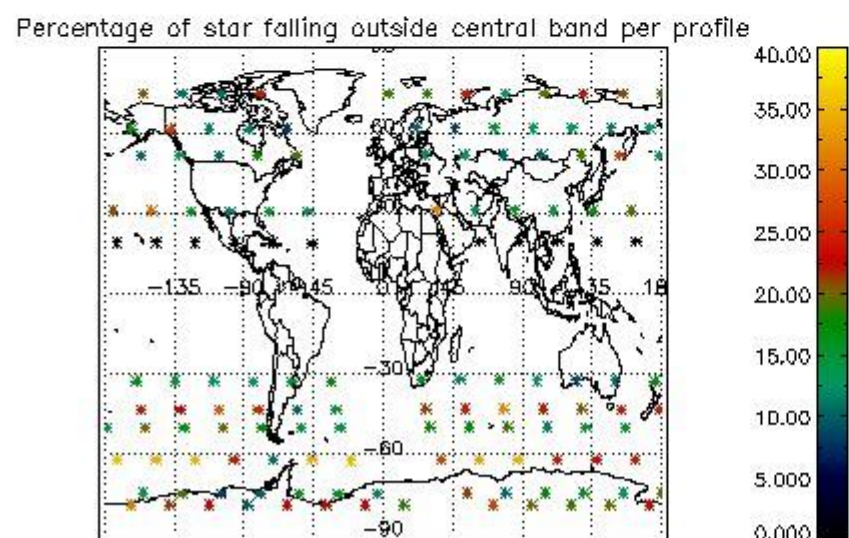
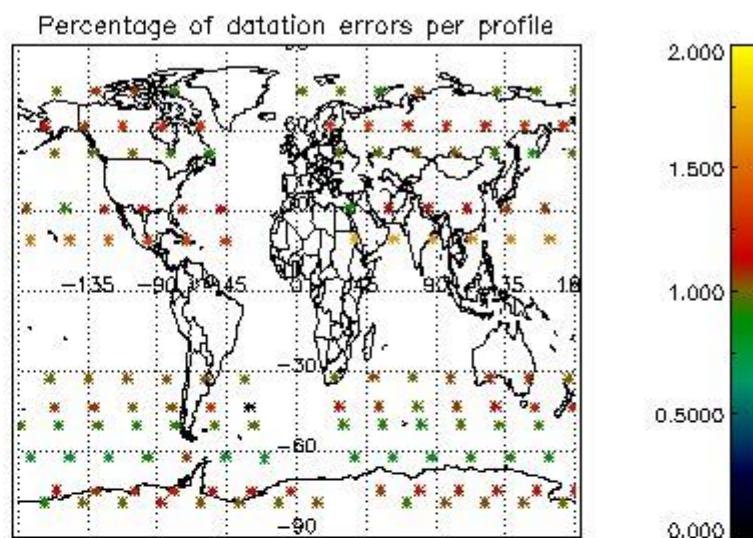
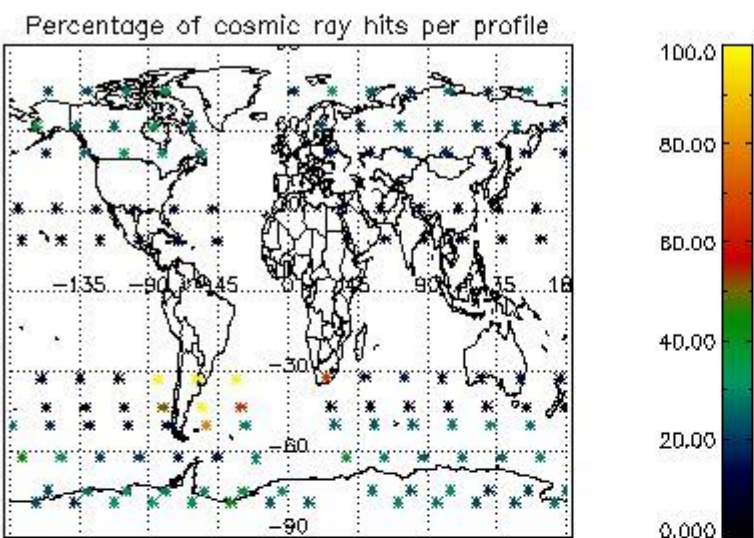
4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



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

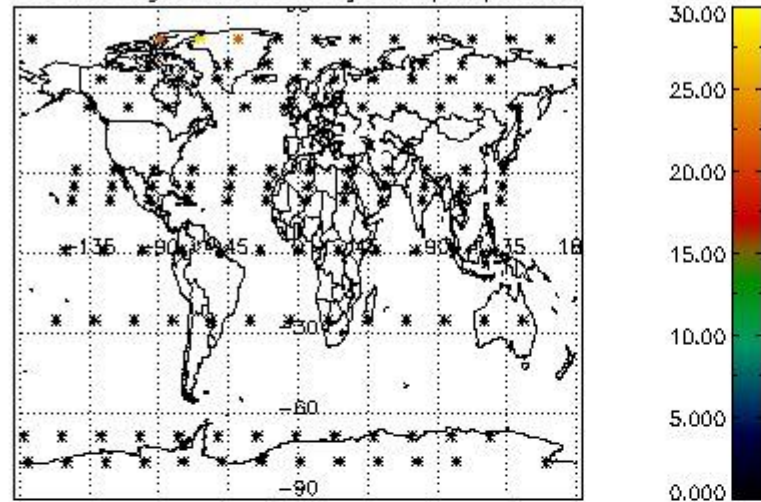


4.2 Plot quality information per product coming from level 1b processing (world map)
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

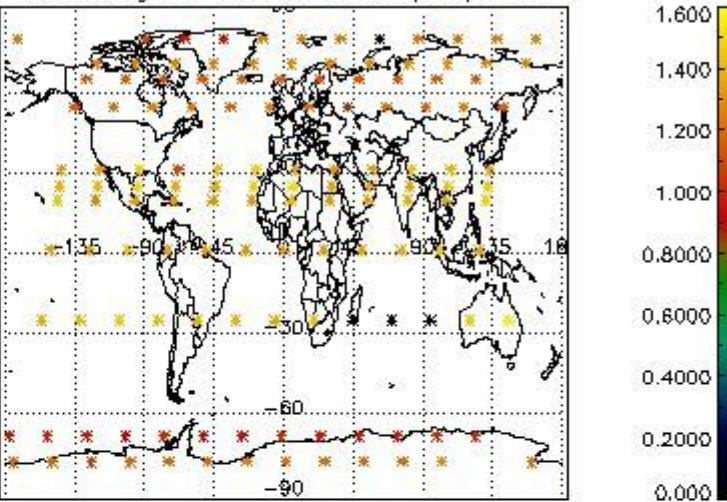


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

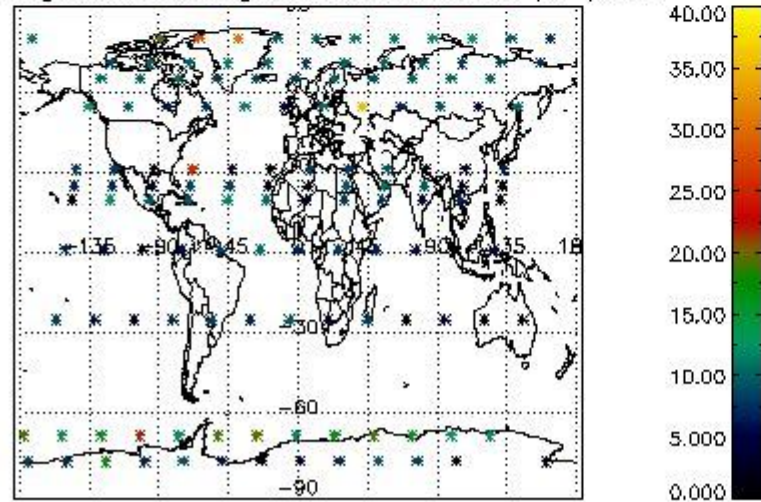
Percentage of cosmic ray hits per profile



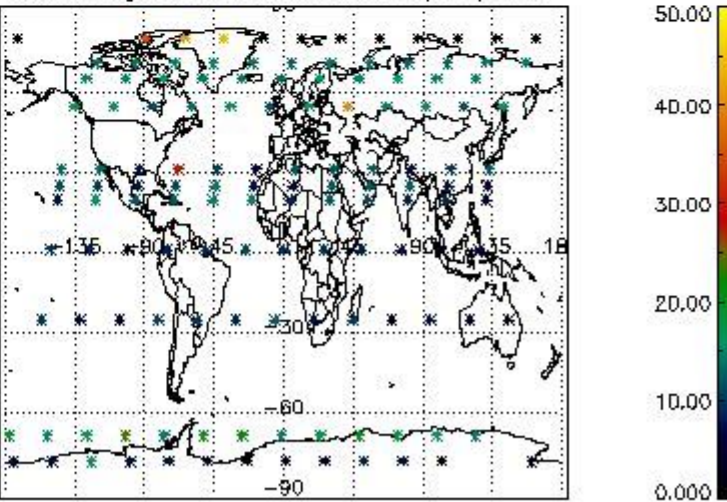
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

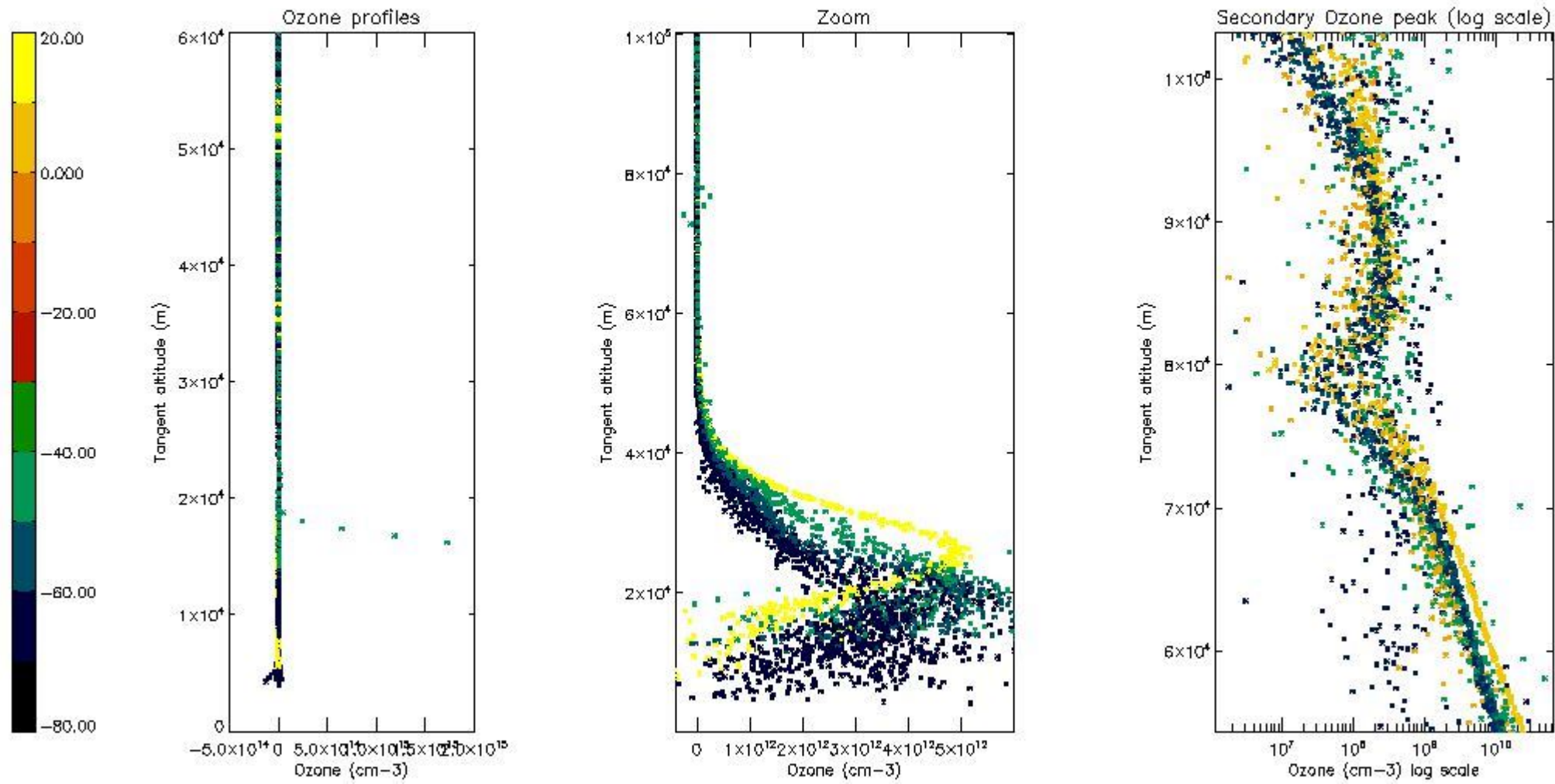
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	17

STD < 10	14
STD < 5	10

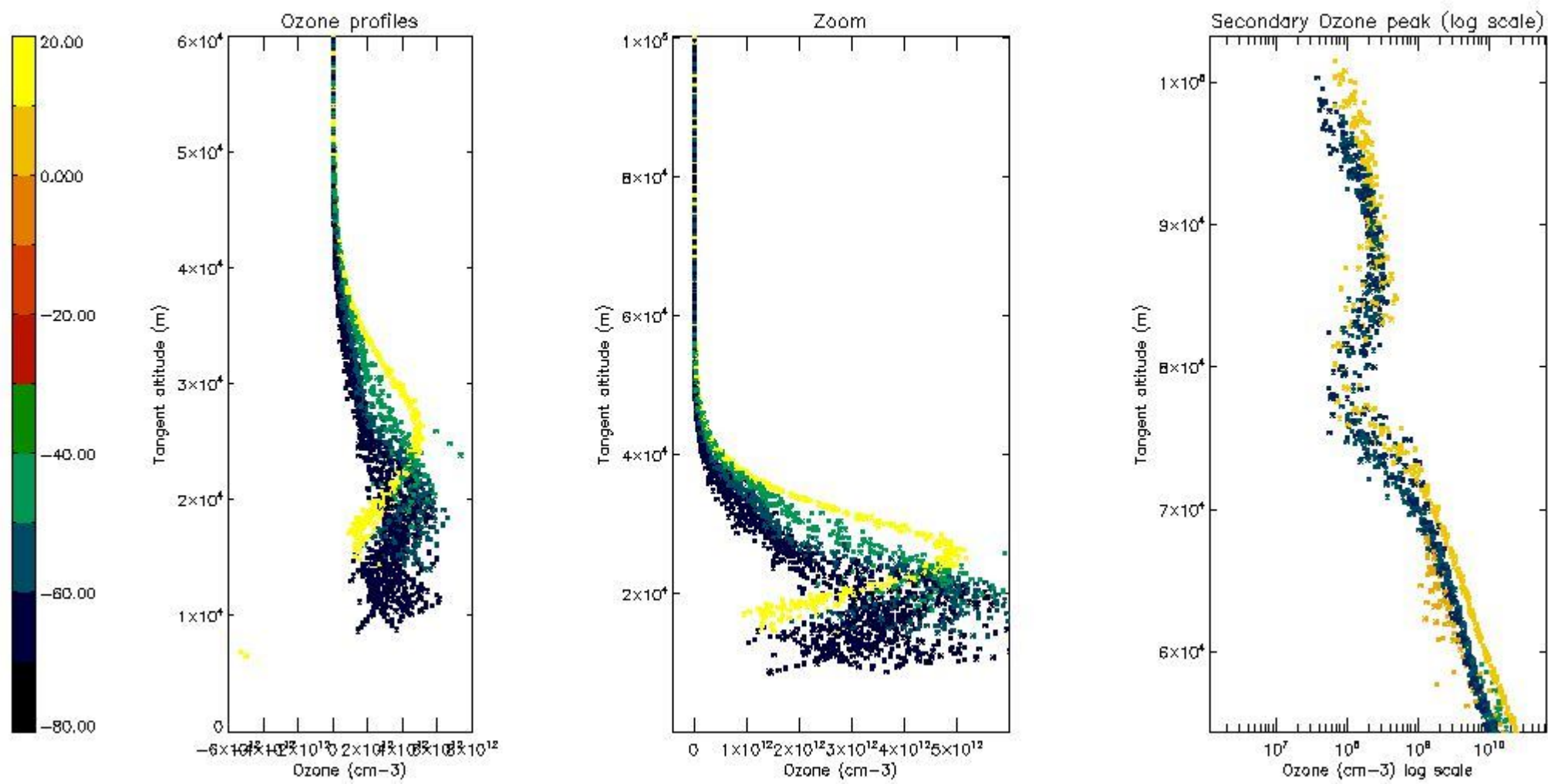
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



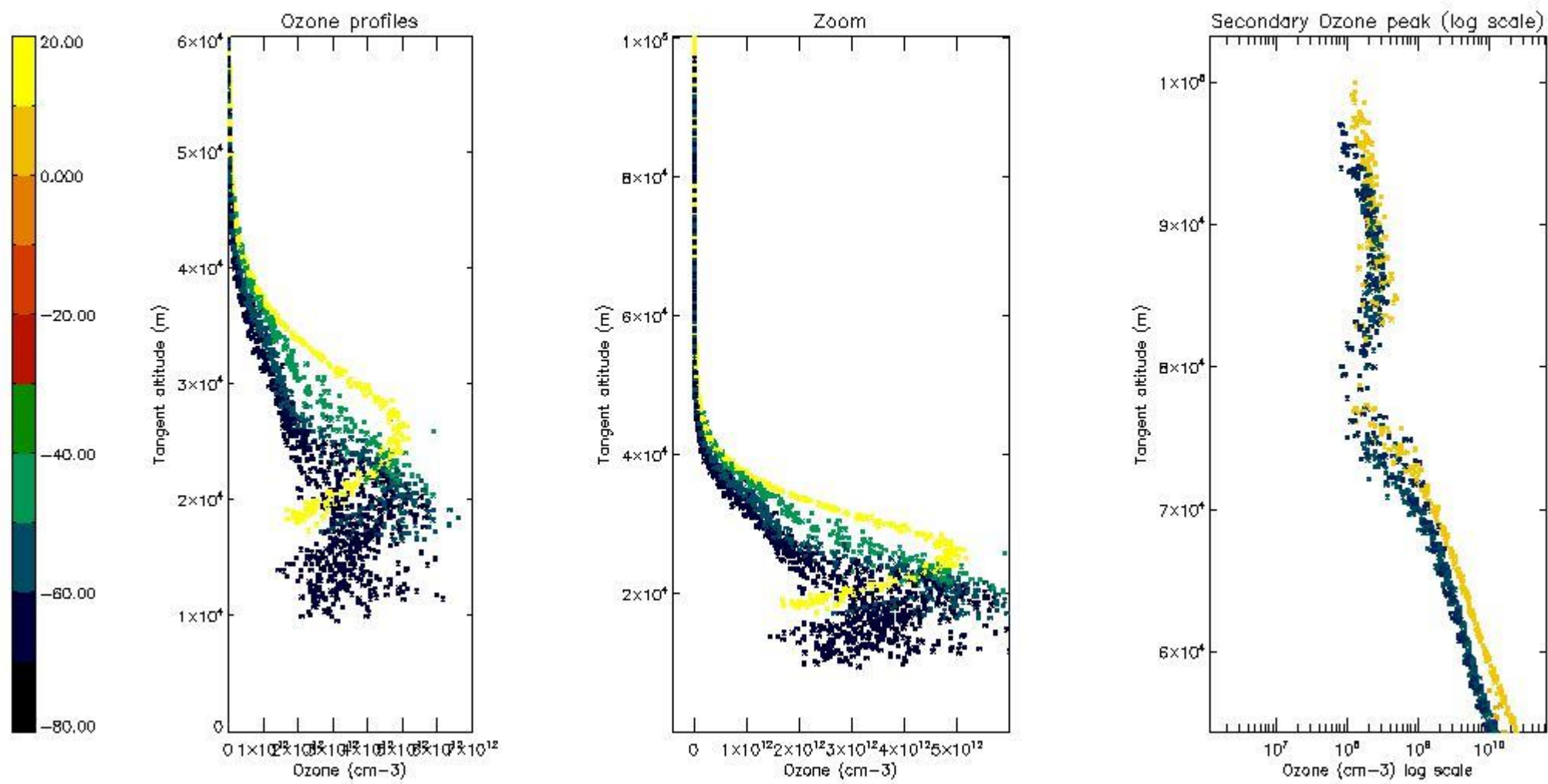
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



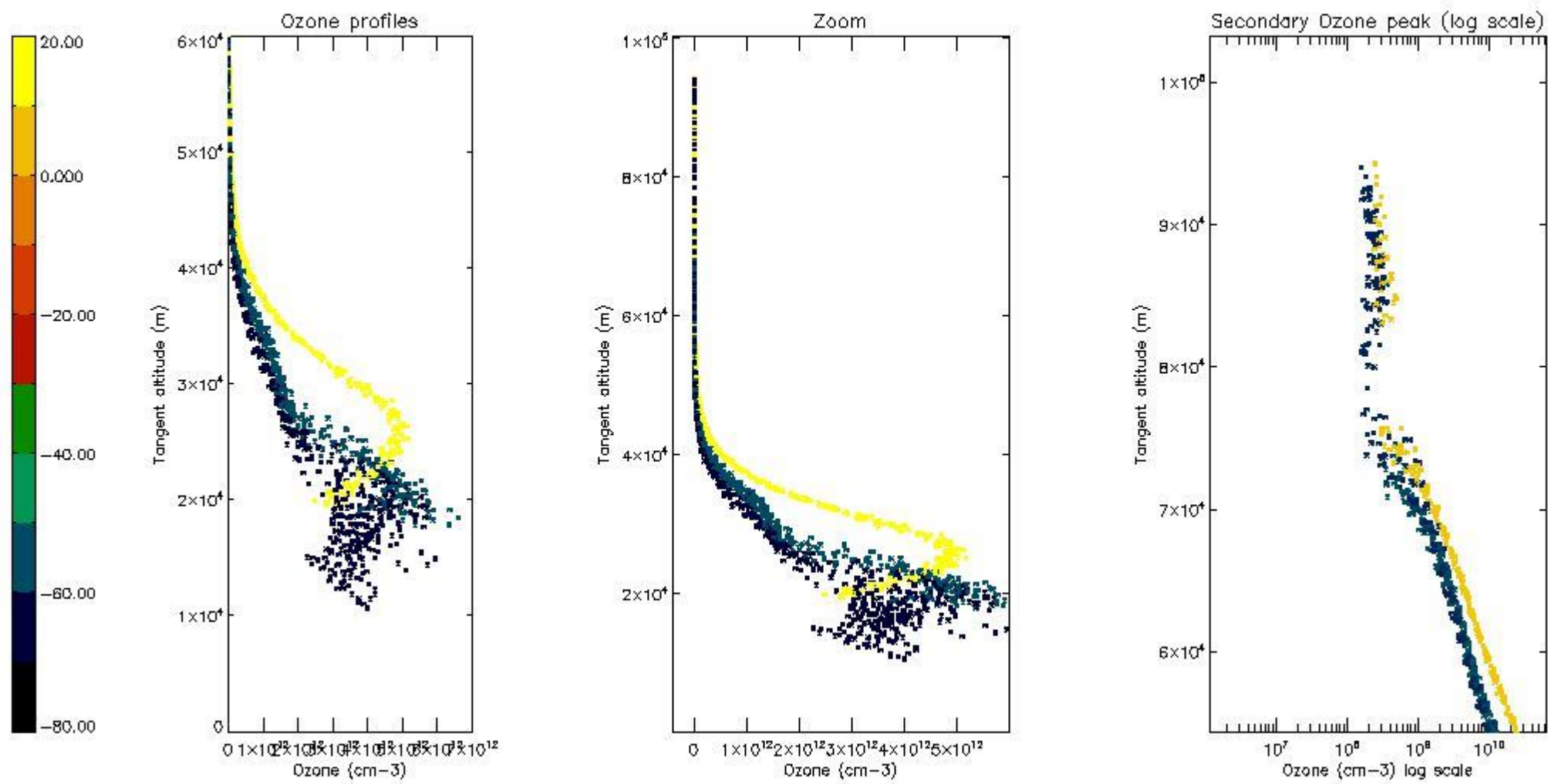
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



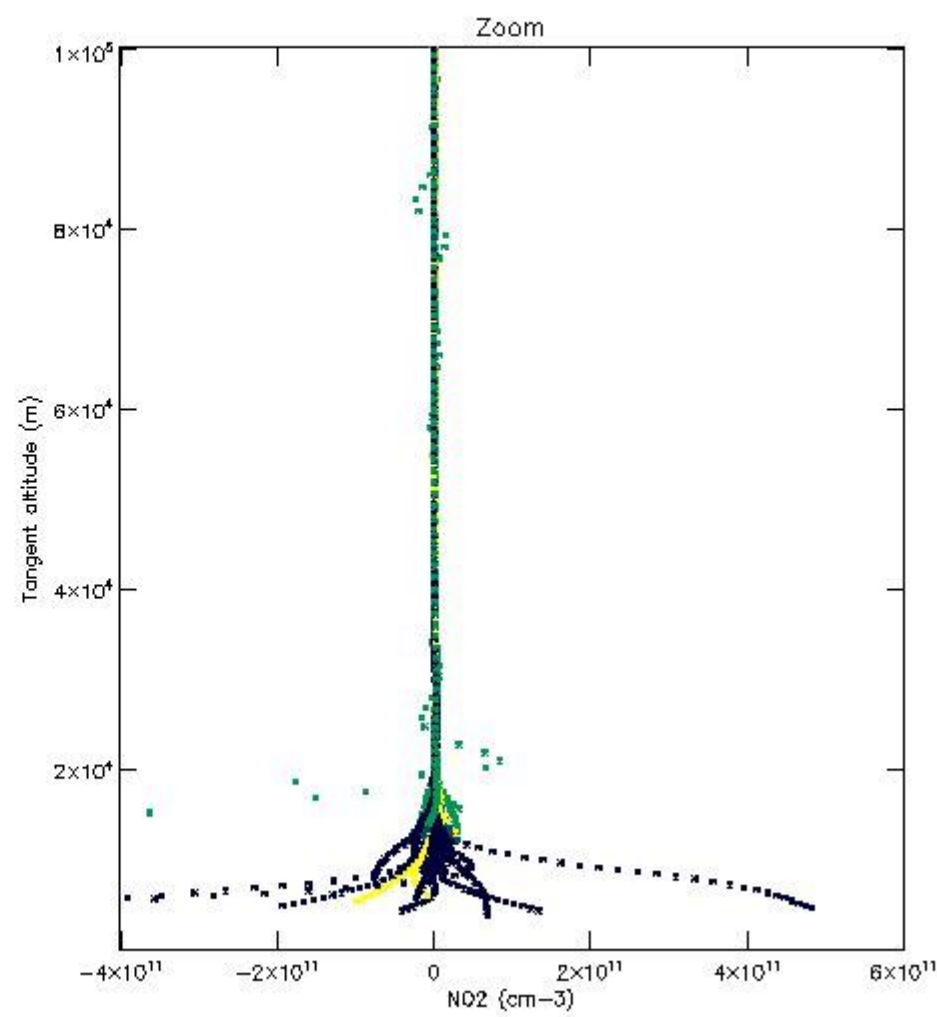
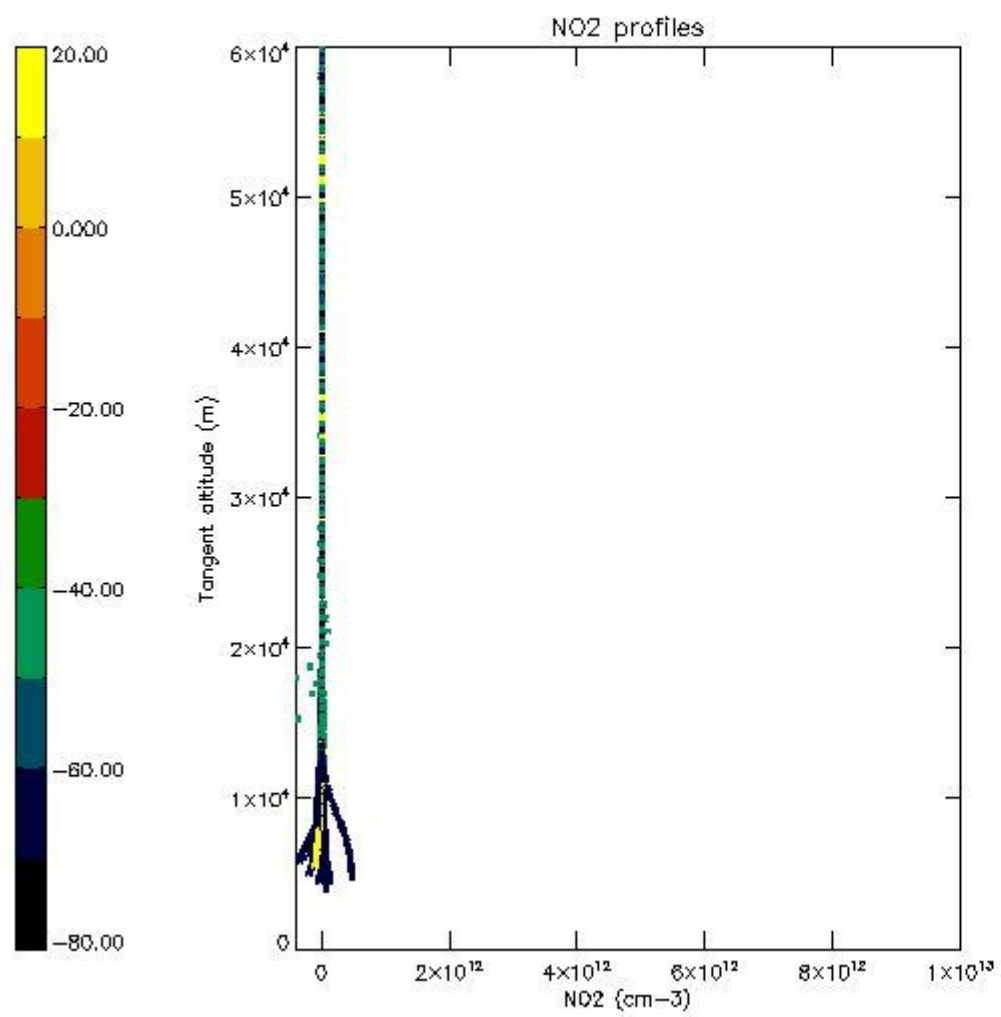
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



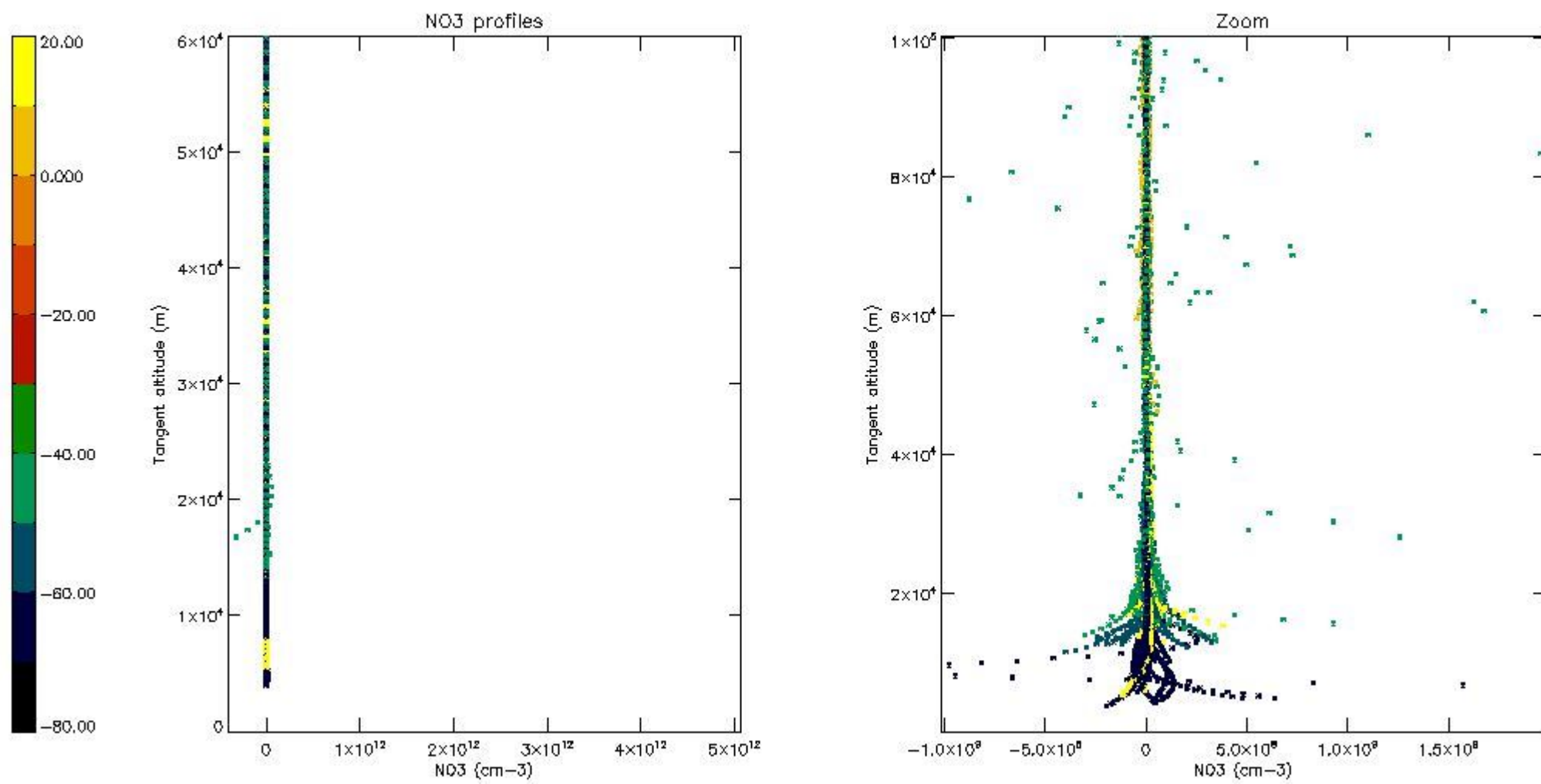
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



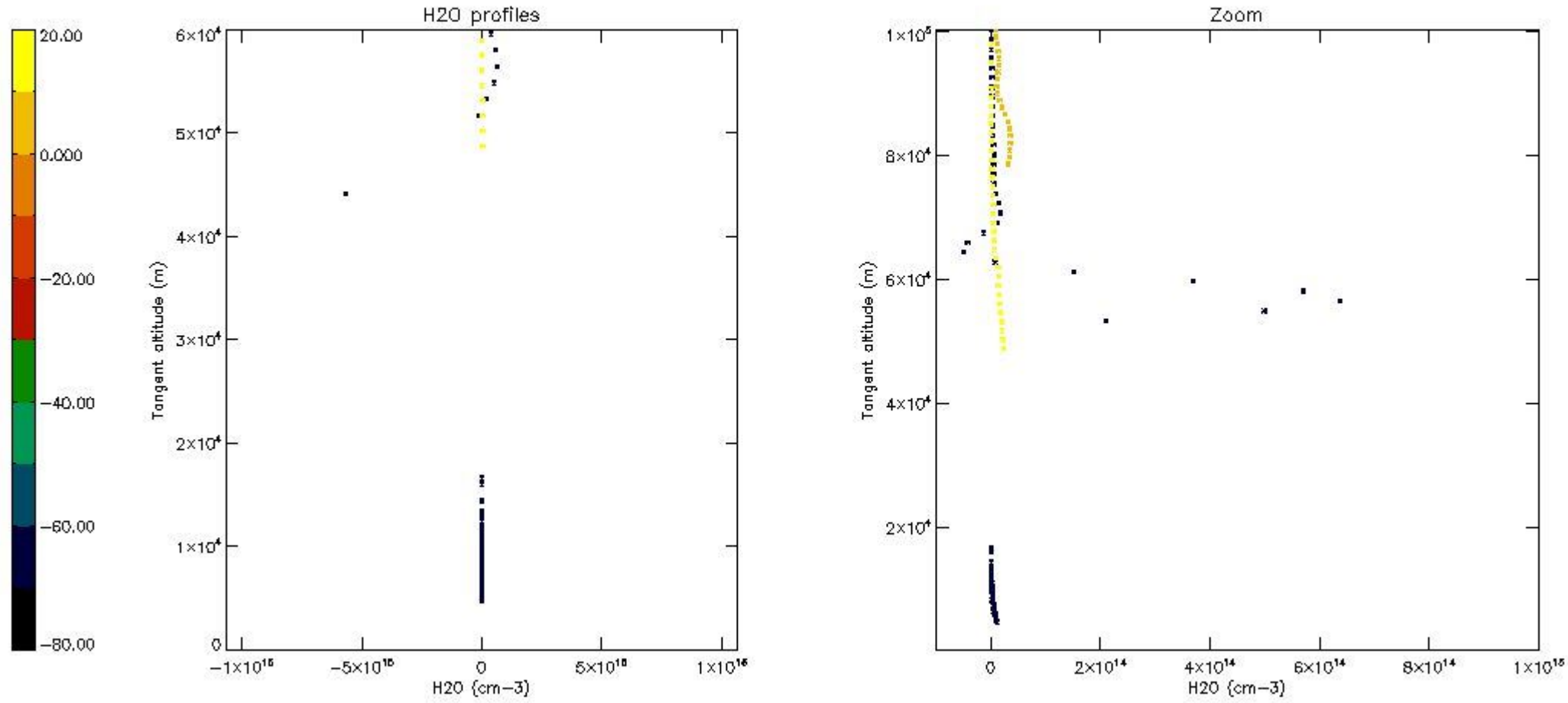
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

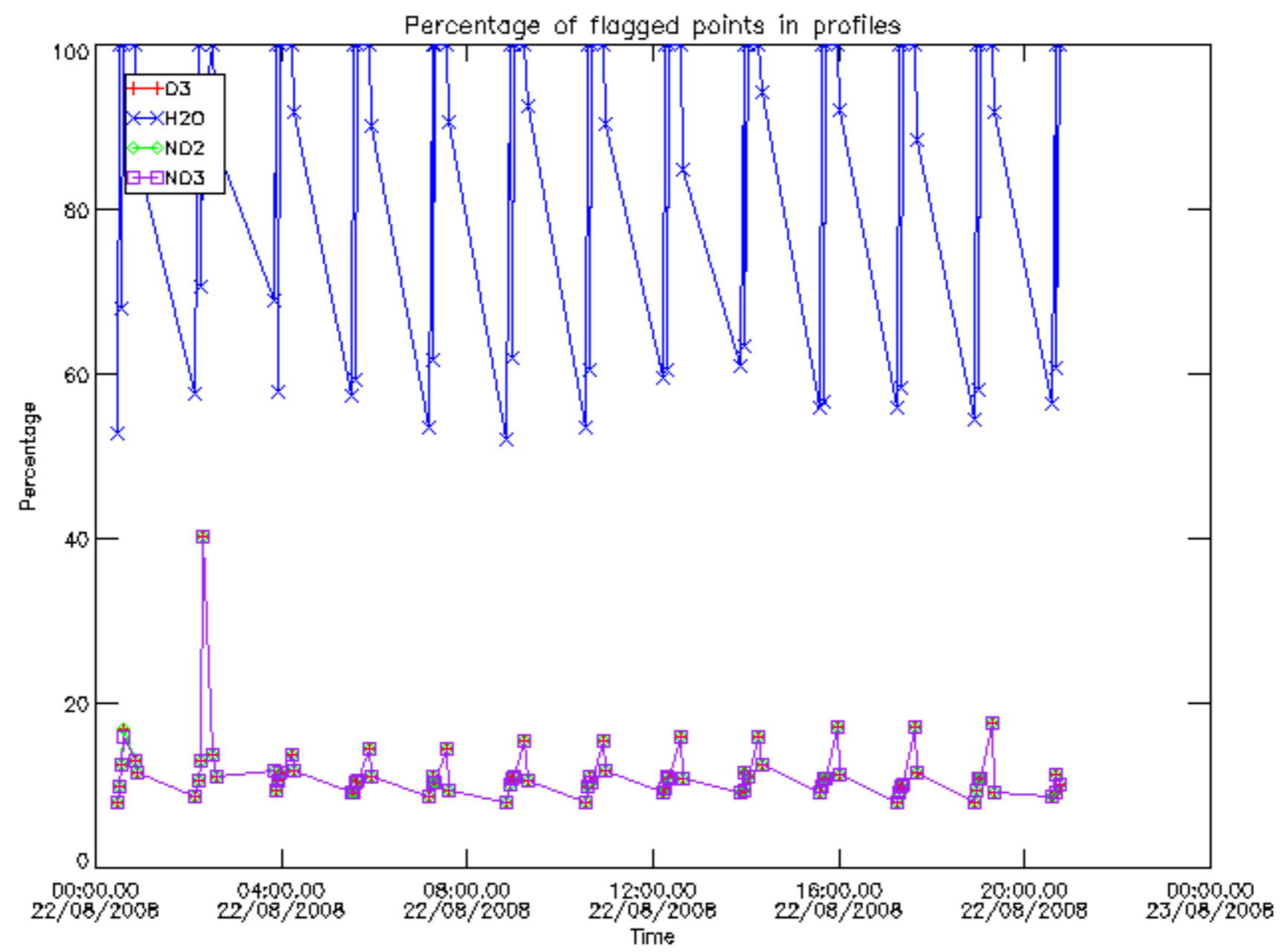
The colorbar represents the latitude.



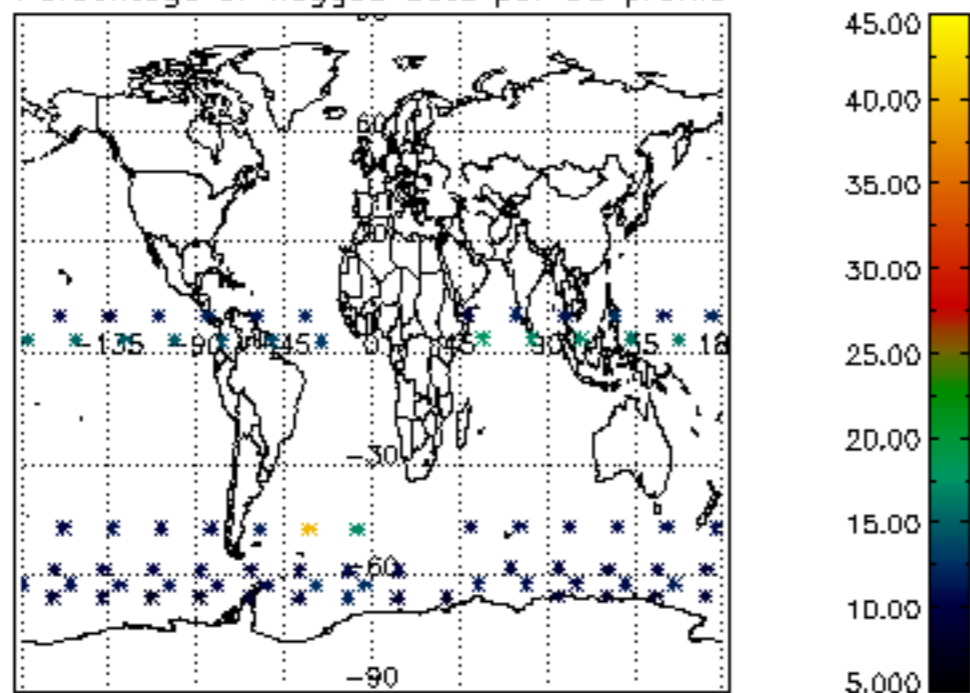
6. Auxiliary Data Files used for the production reported in section 2

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.

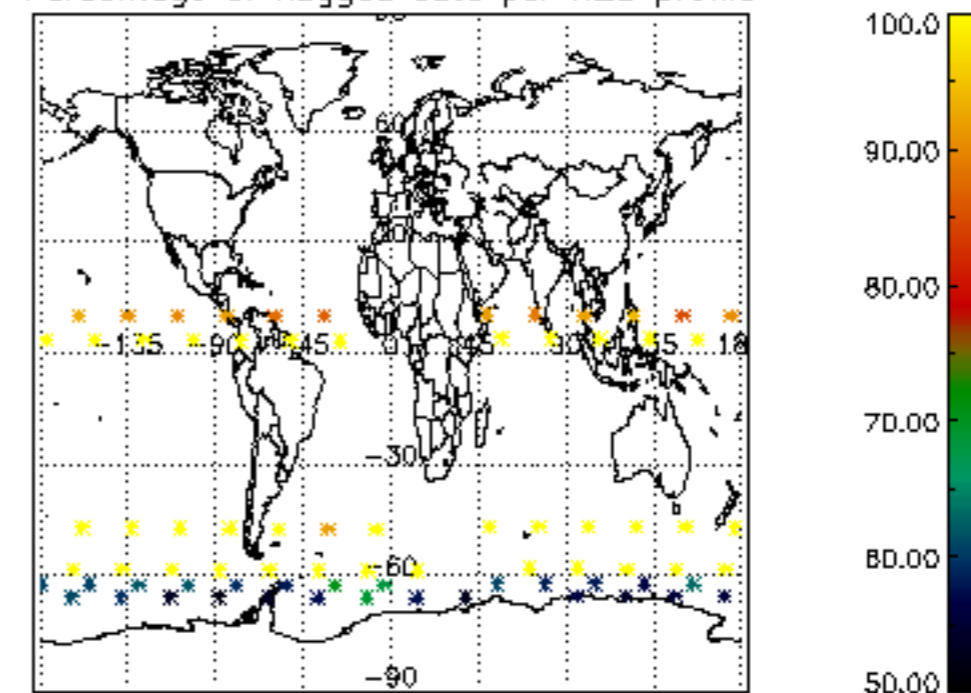
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-AUG-2008 00:02:53
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	22-AUG-2008 00:02:53
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	22-AUG-2008 00:02:53



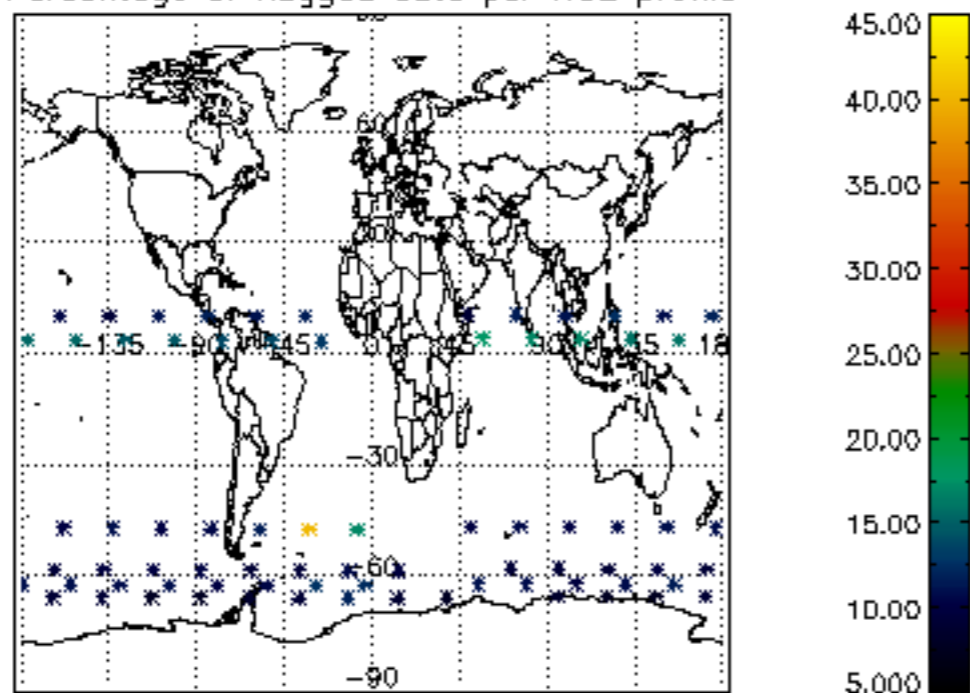
Percentage of flagged data per D3 profile



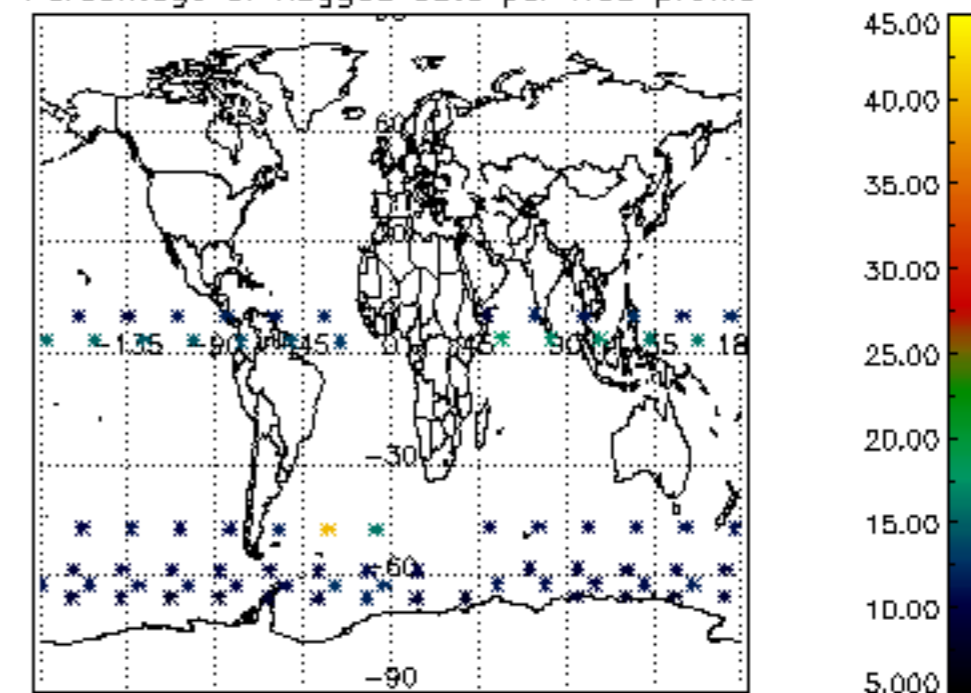
Percentage of flagged data per H2O profile

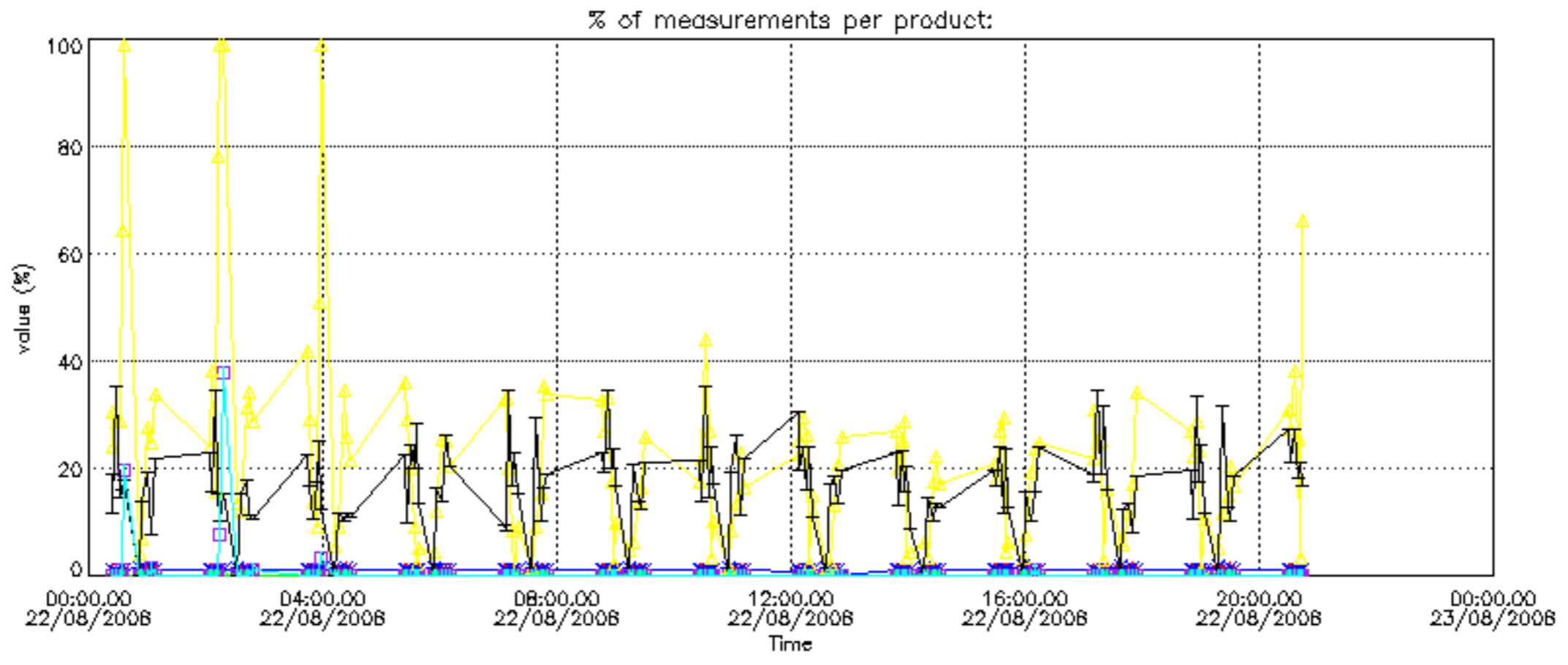


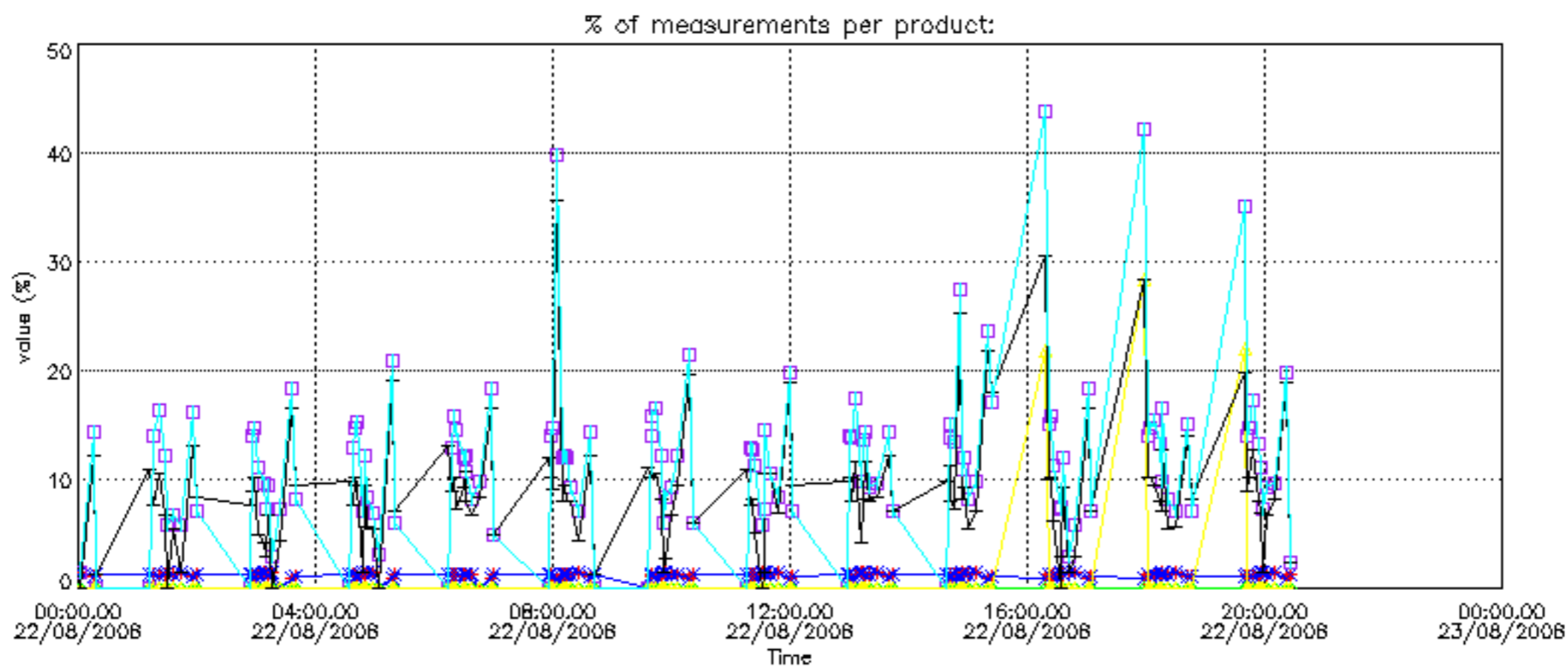
Percentage of flagged data per NO2 profile



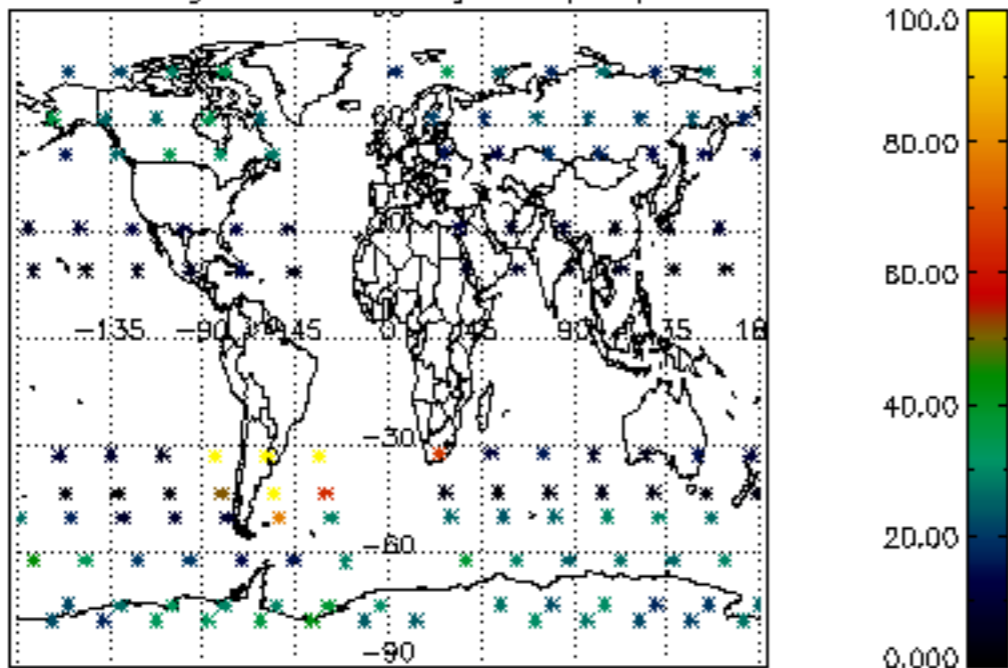
Percentage of flagged data per NO3 profile



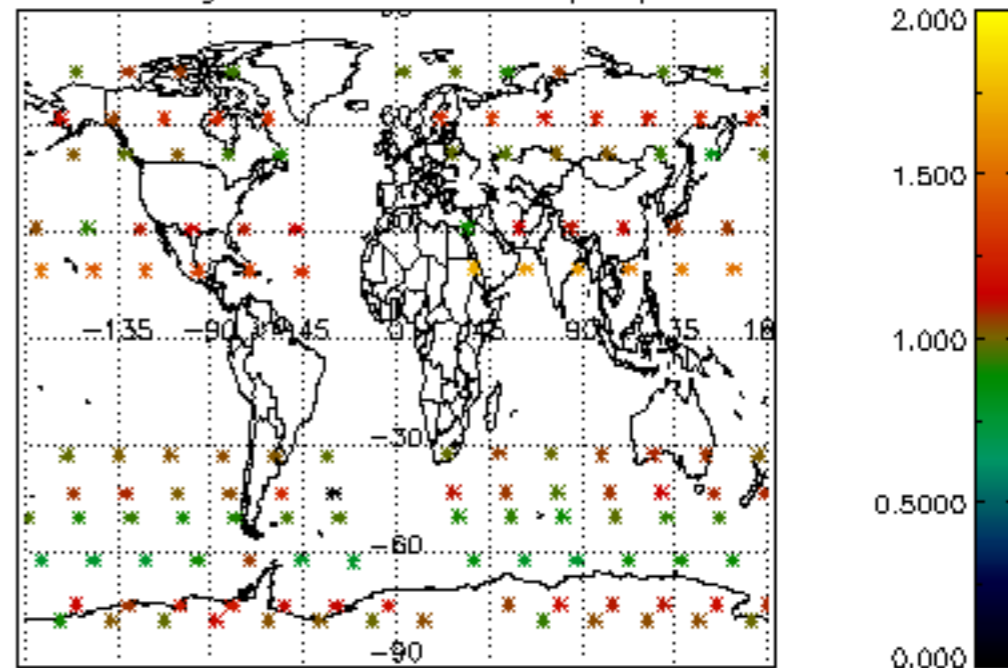




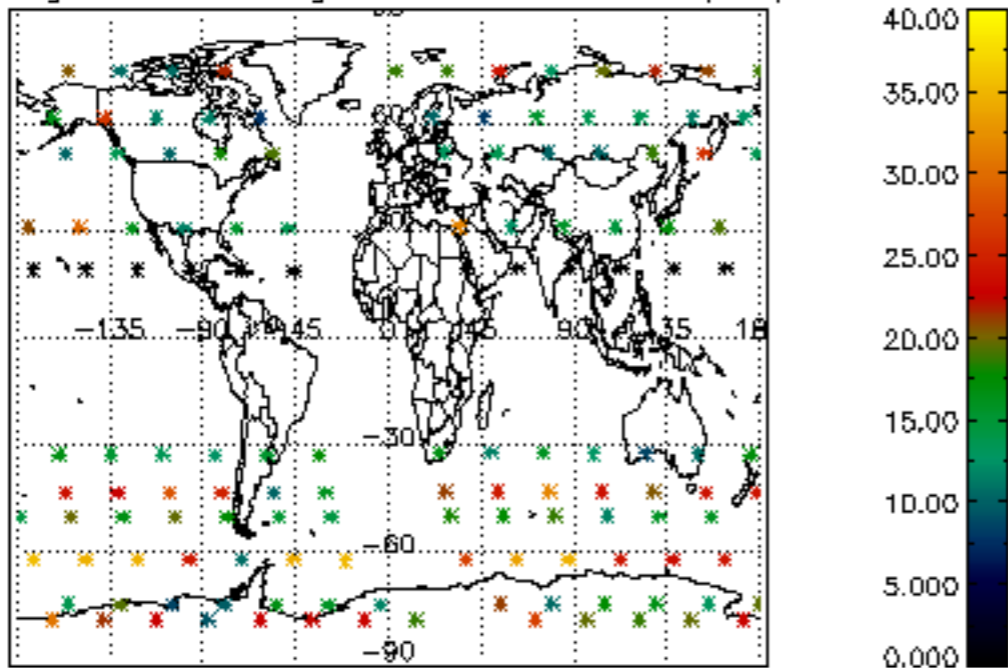
Percentage of cosmic ray hits per profile



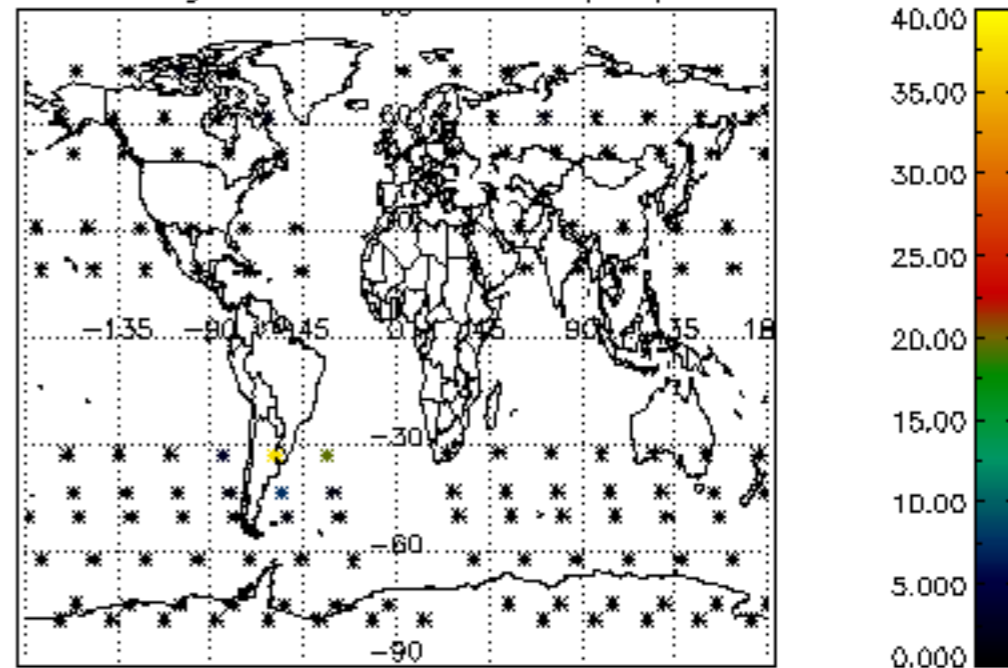
Percentage of datation errors per profile



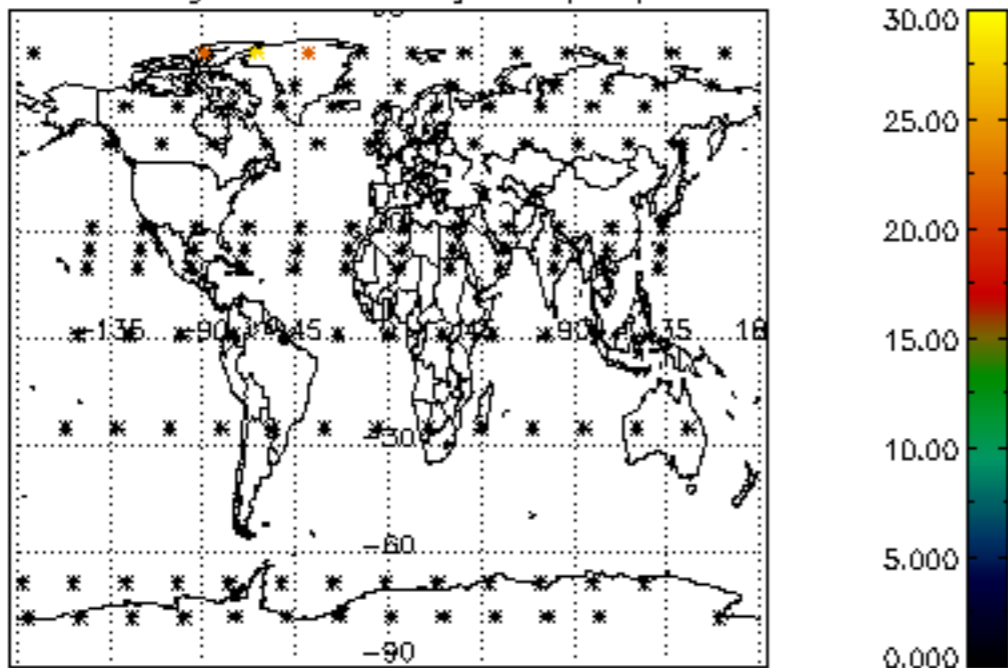
Percentage of star falling outside central band per profile



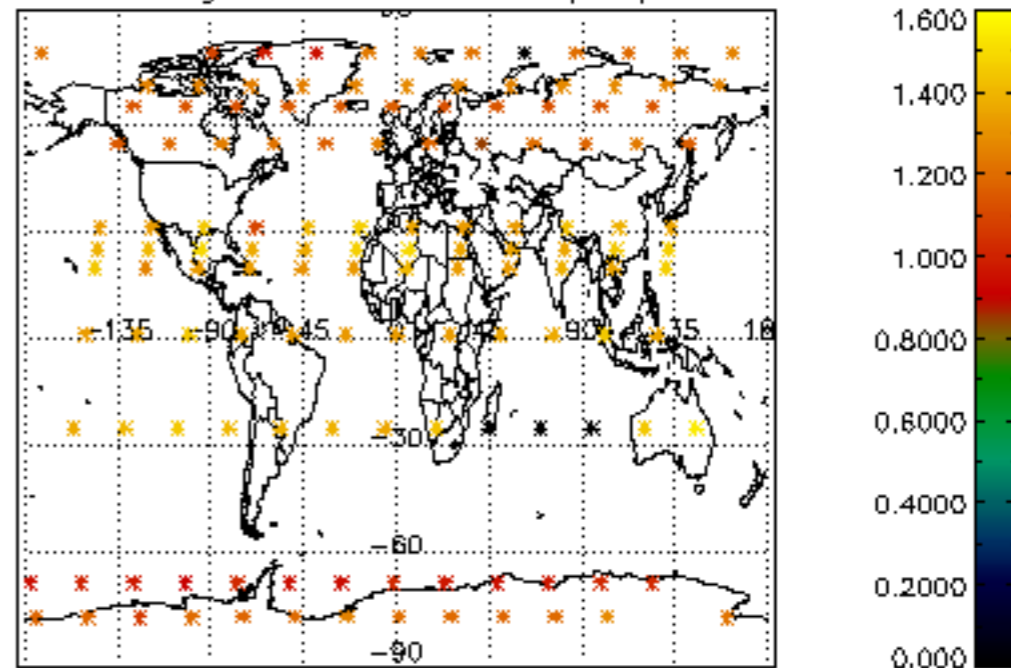
Percentage of saturation errors per profile



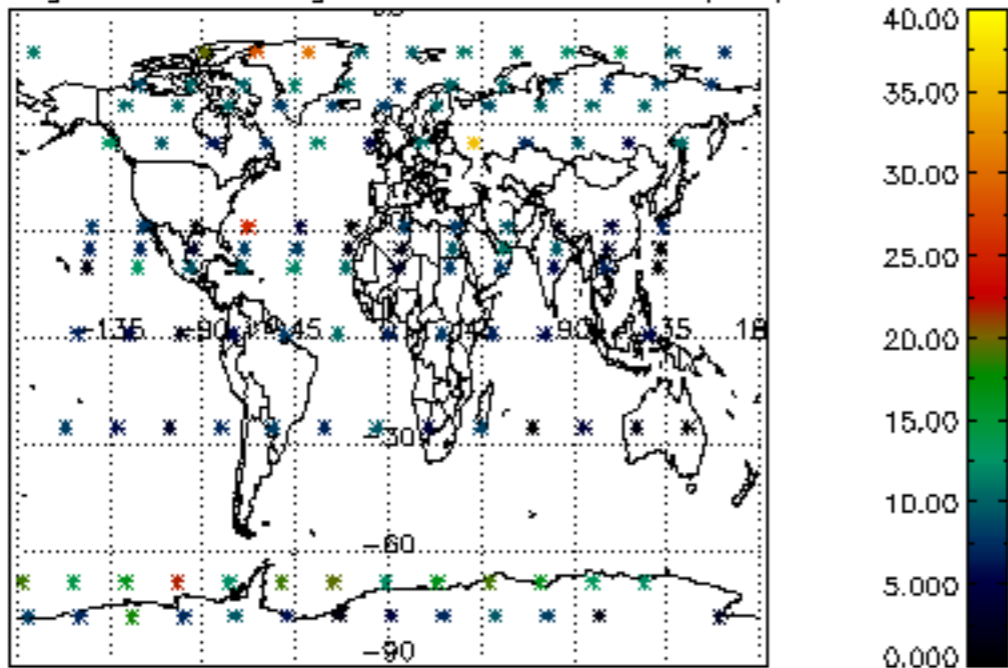
Percentage of cosmic ray hits per profile



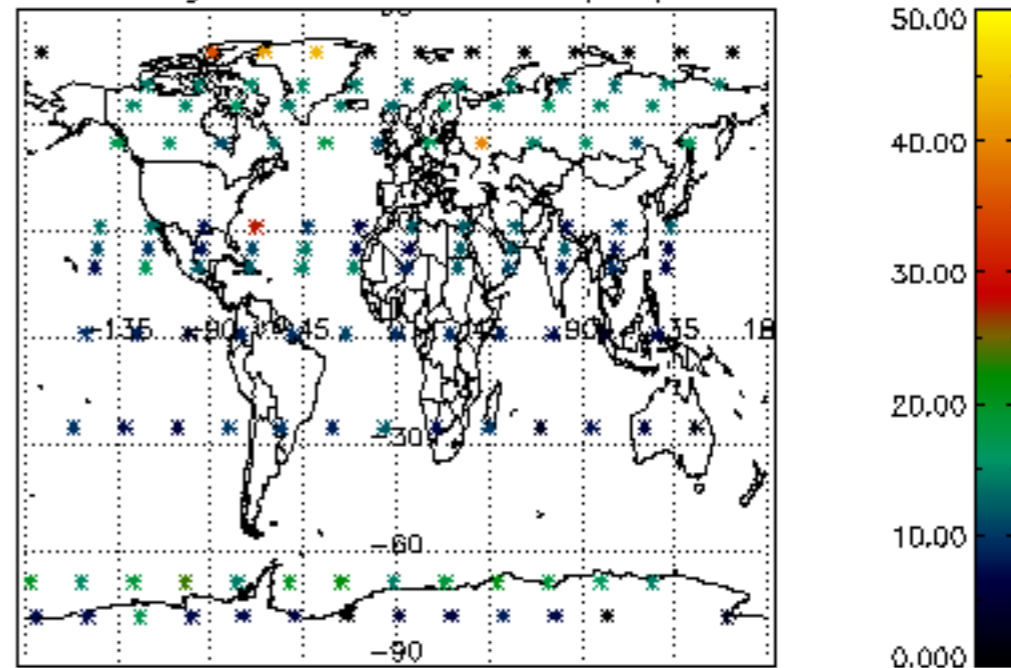
Percentage of datation errors per profile

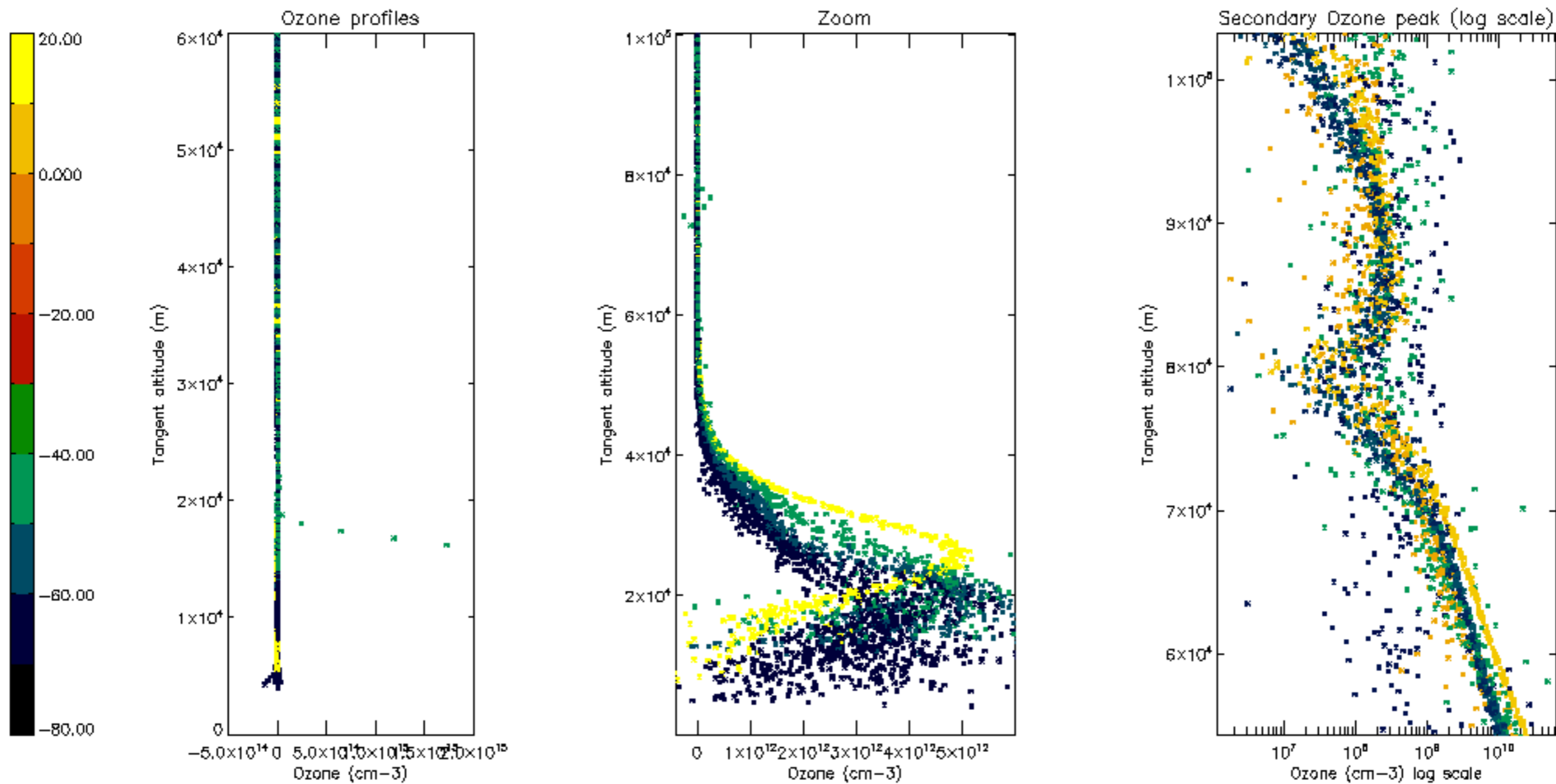


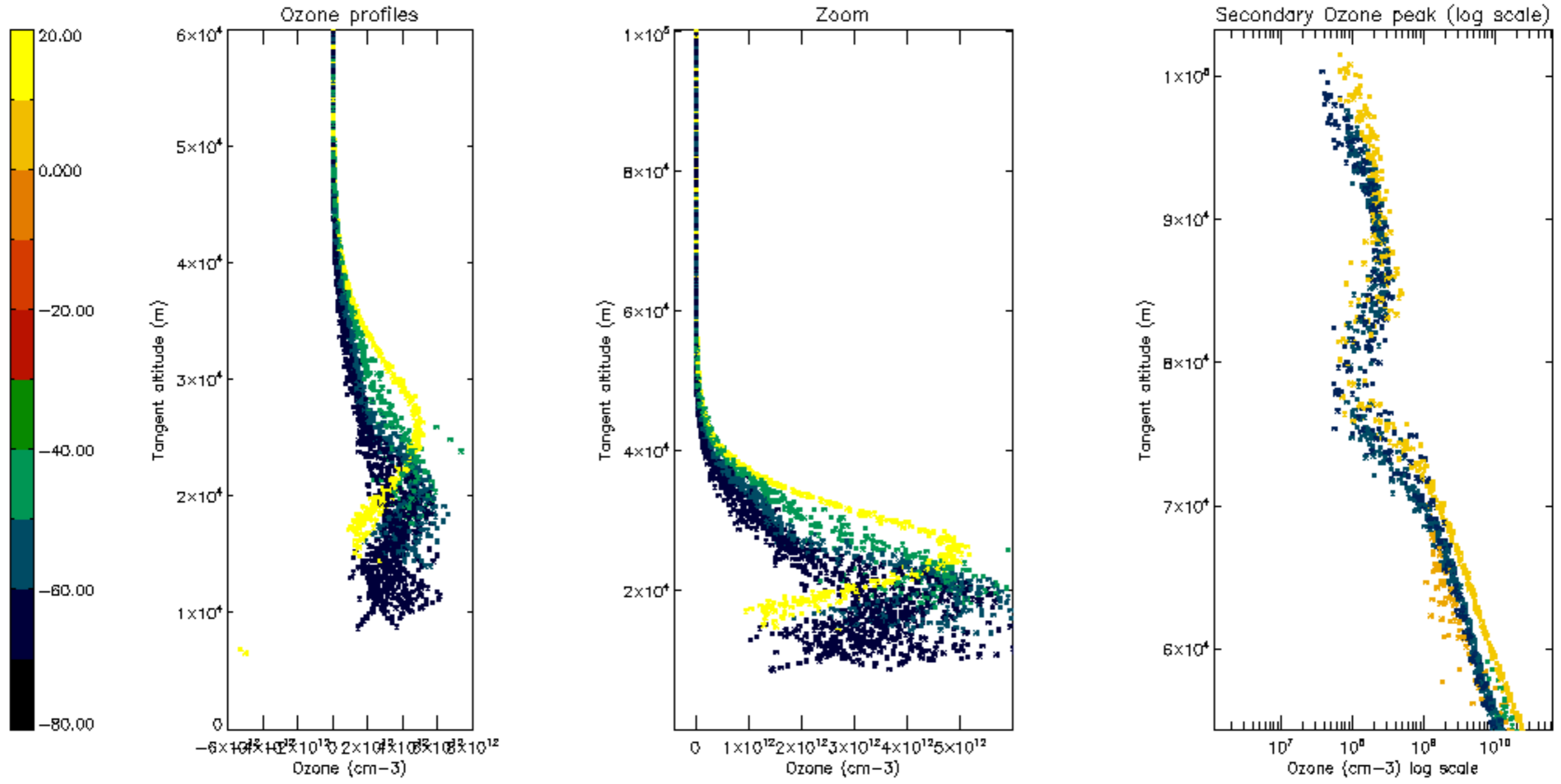
Percentage of star falling outside central band per profile

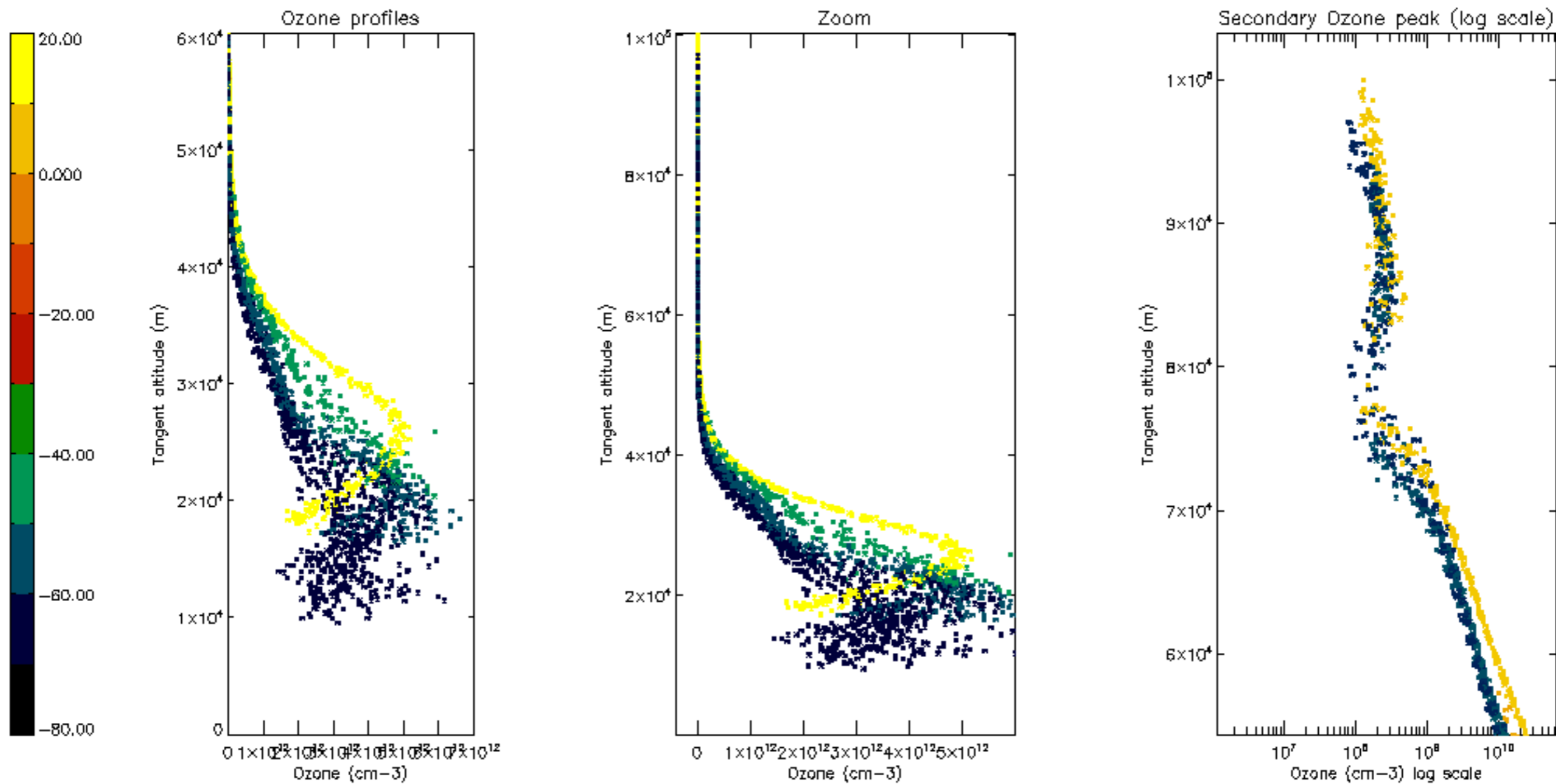


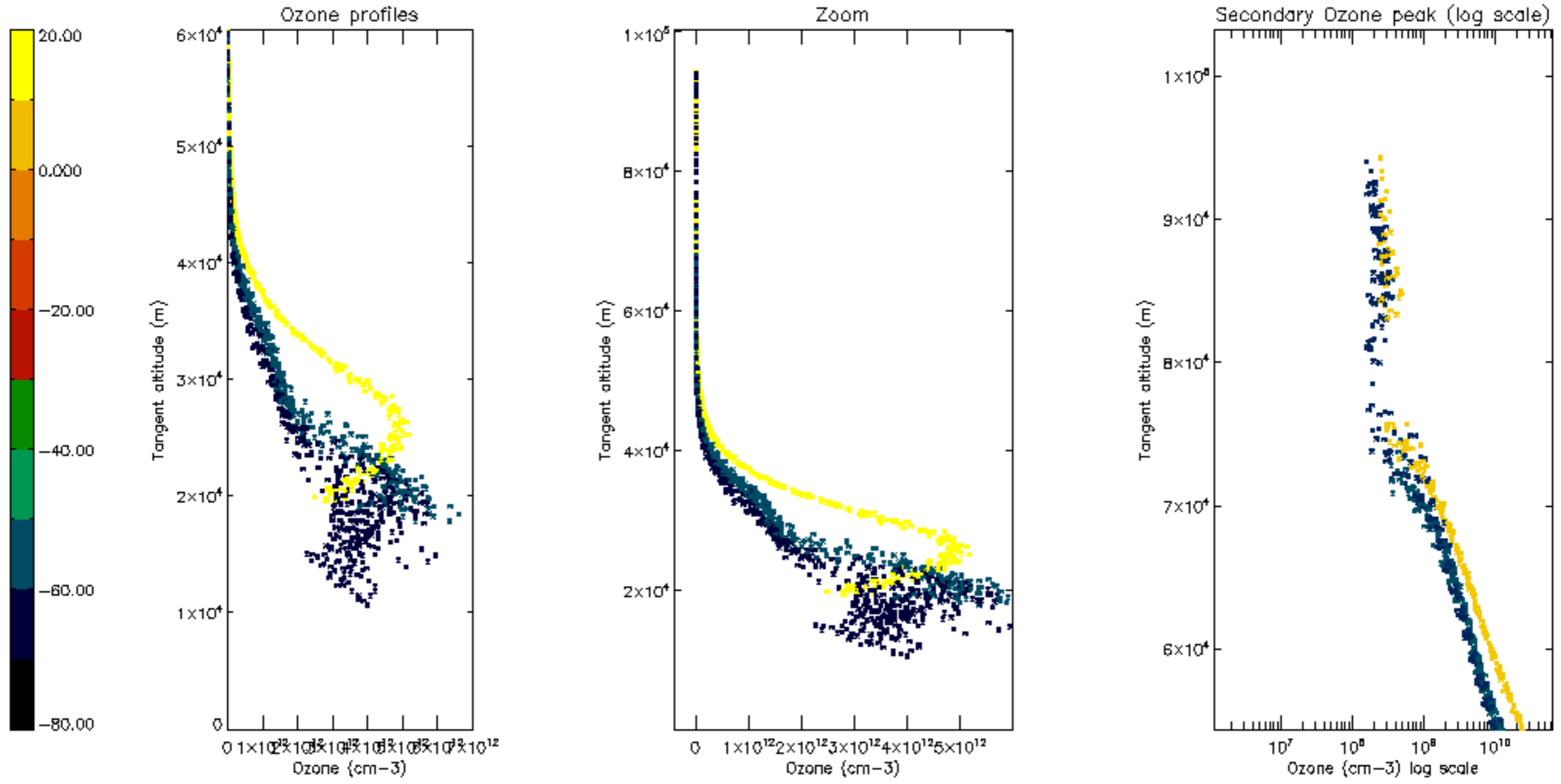
Percentage of saturation errors per profile

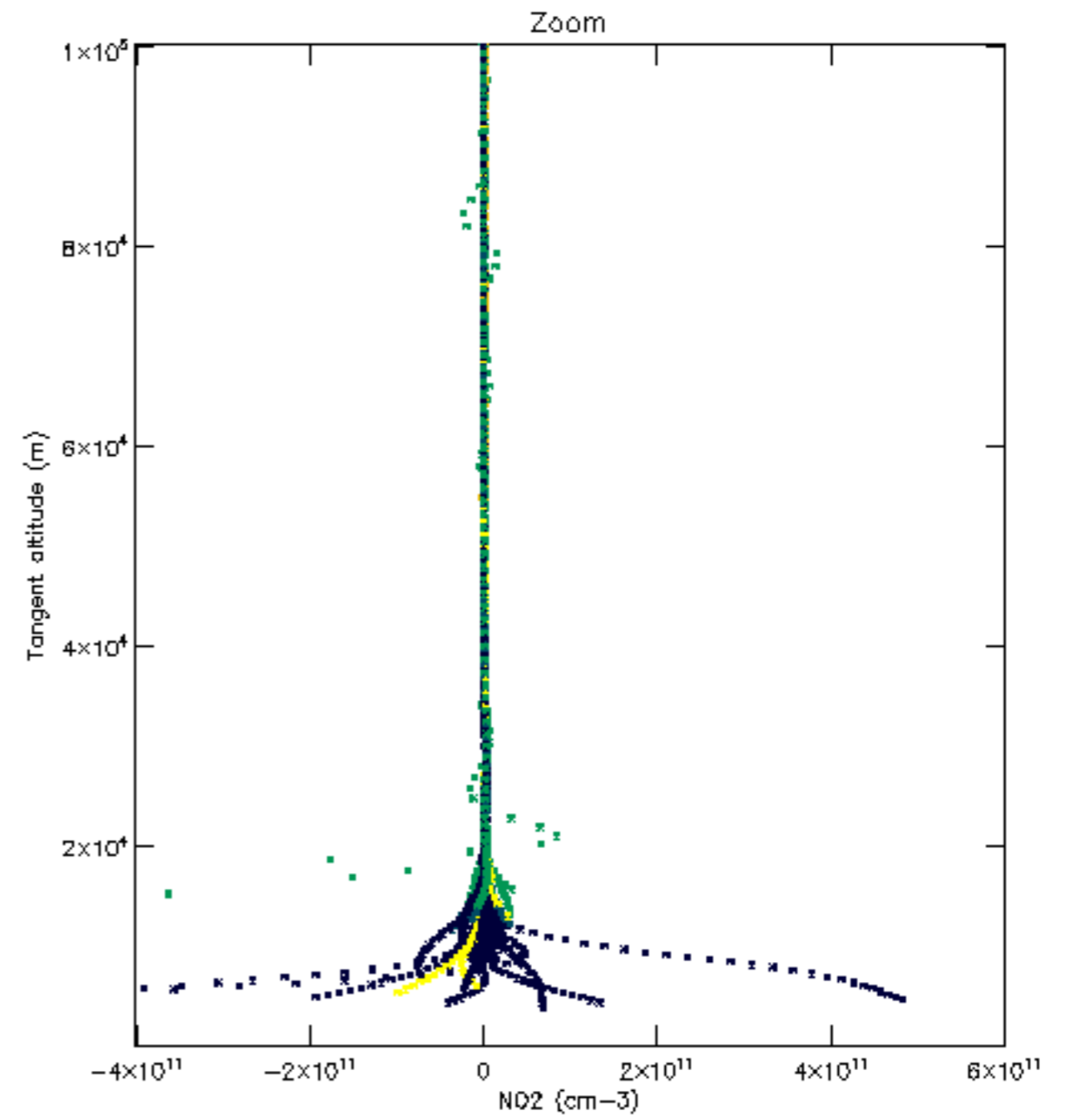
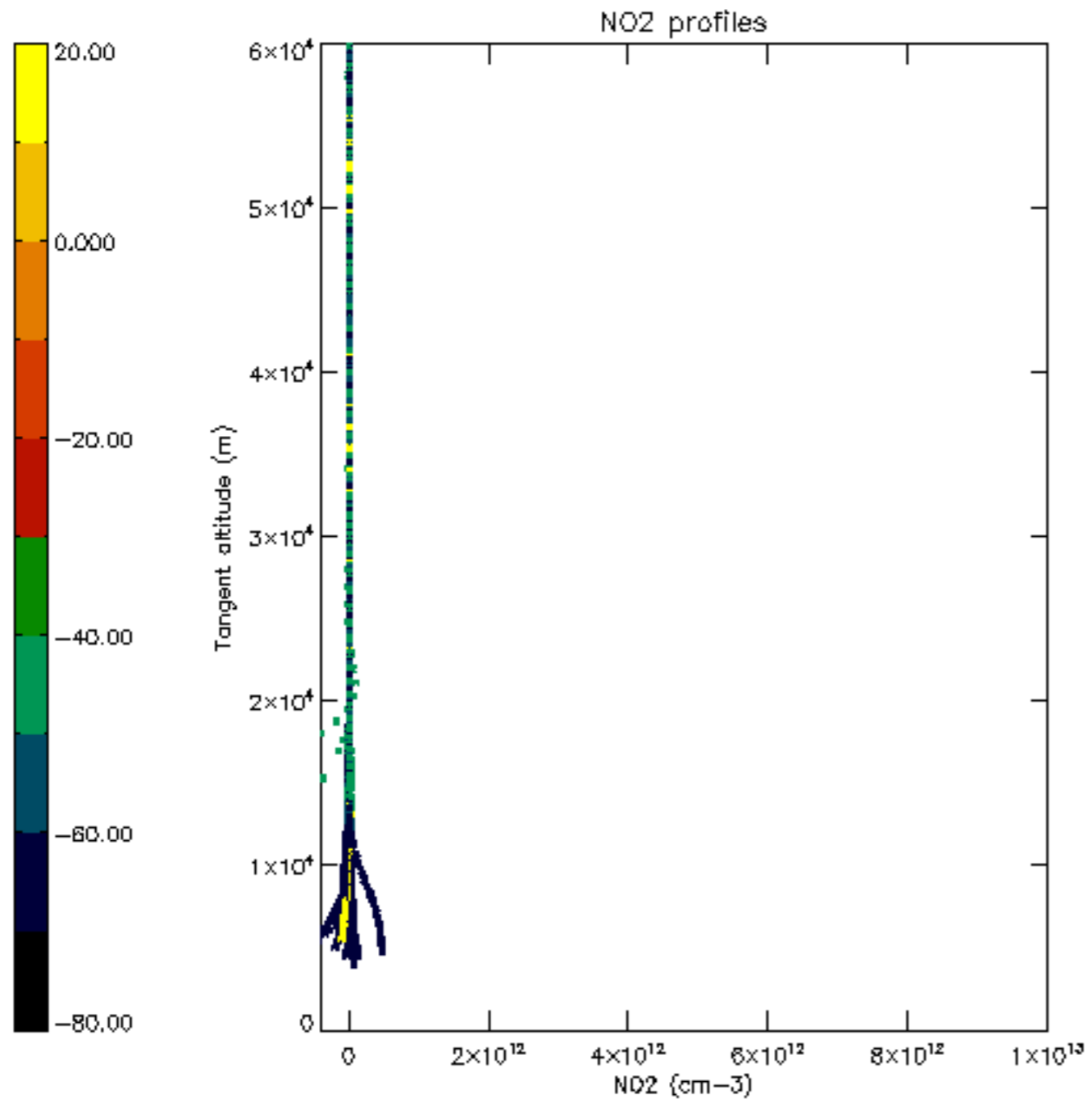


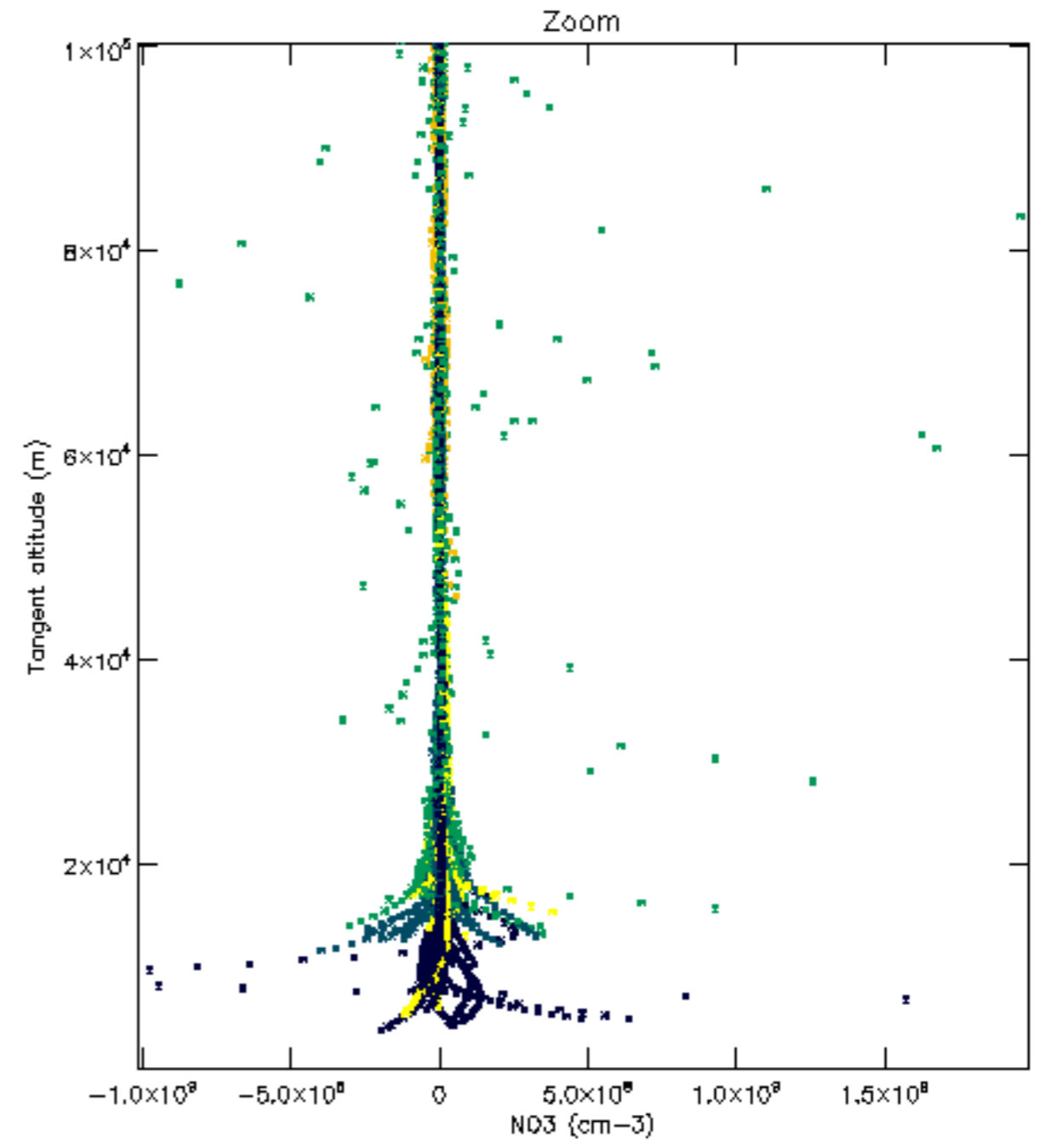
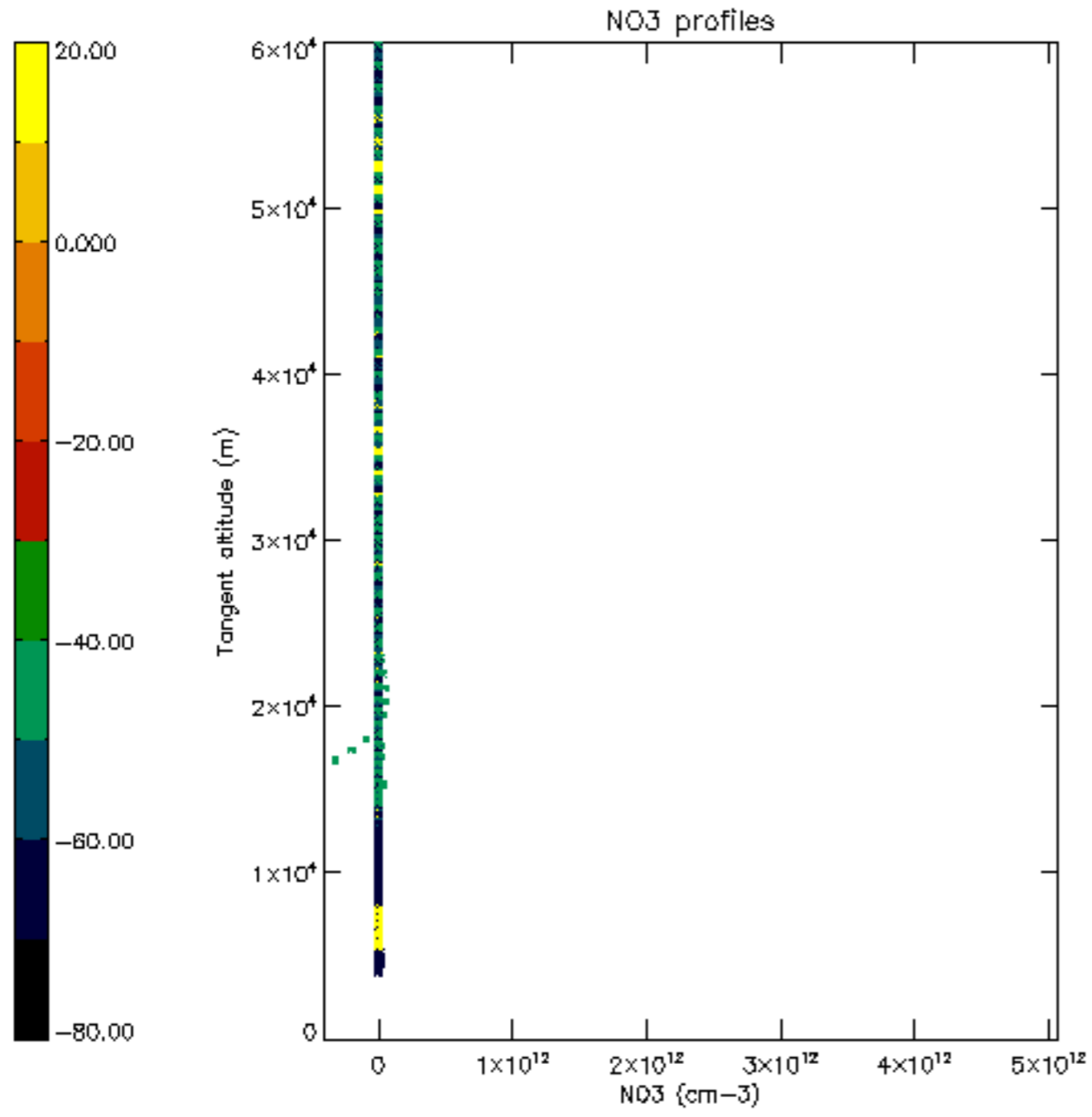


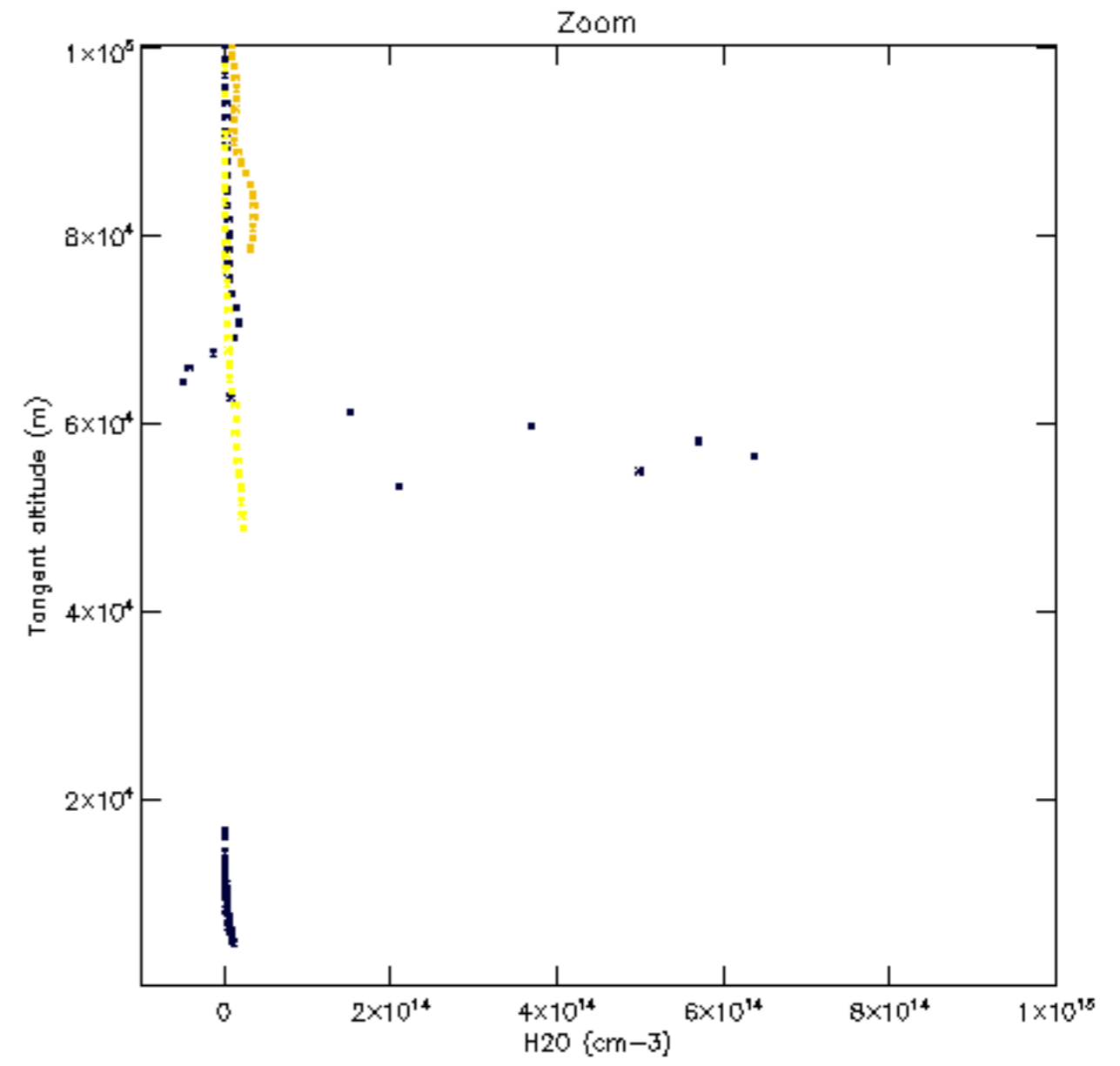
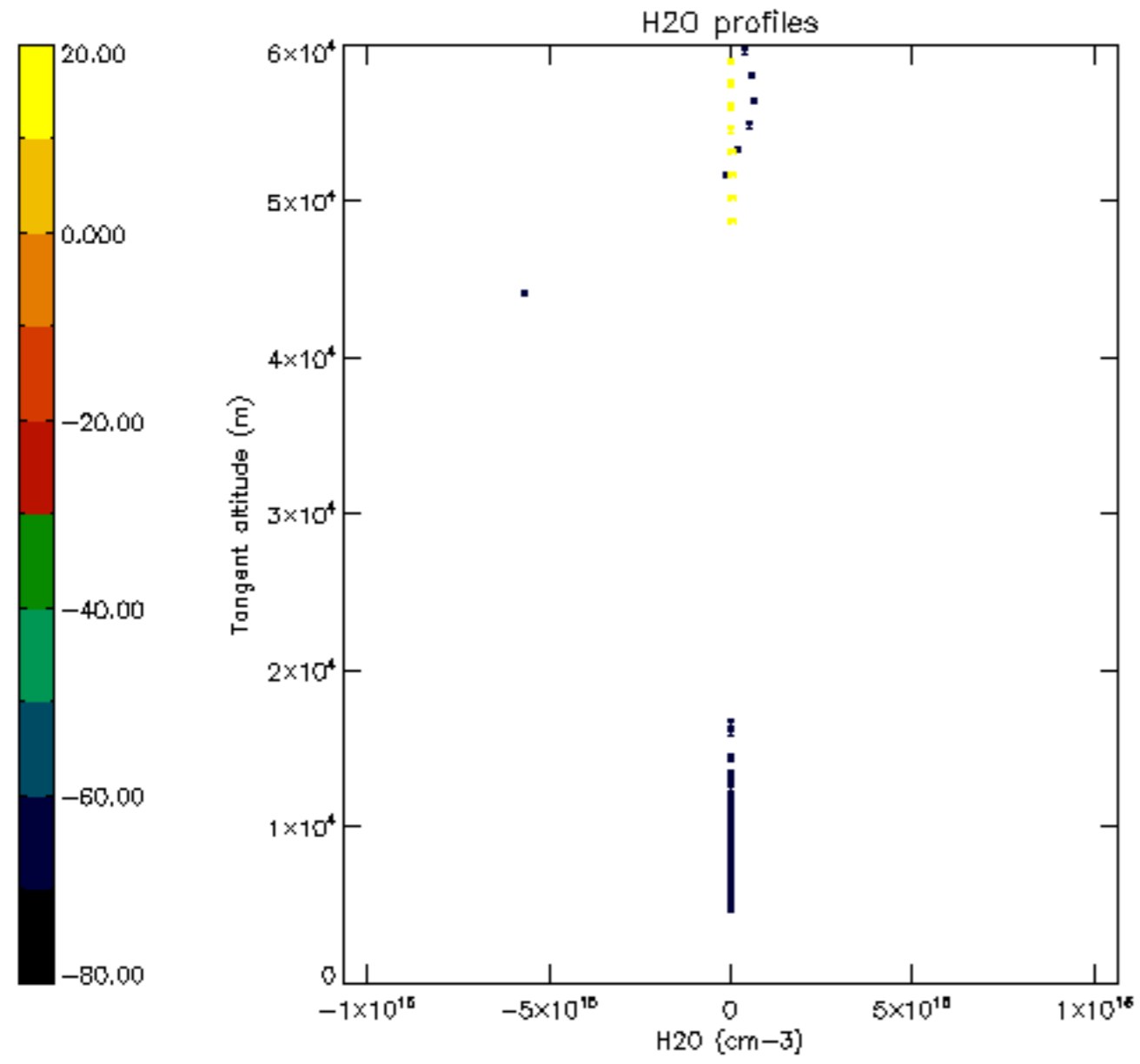


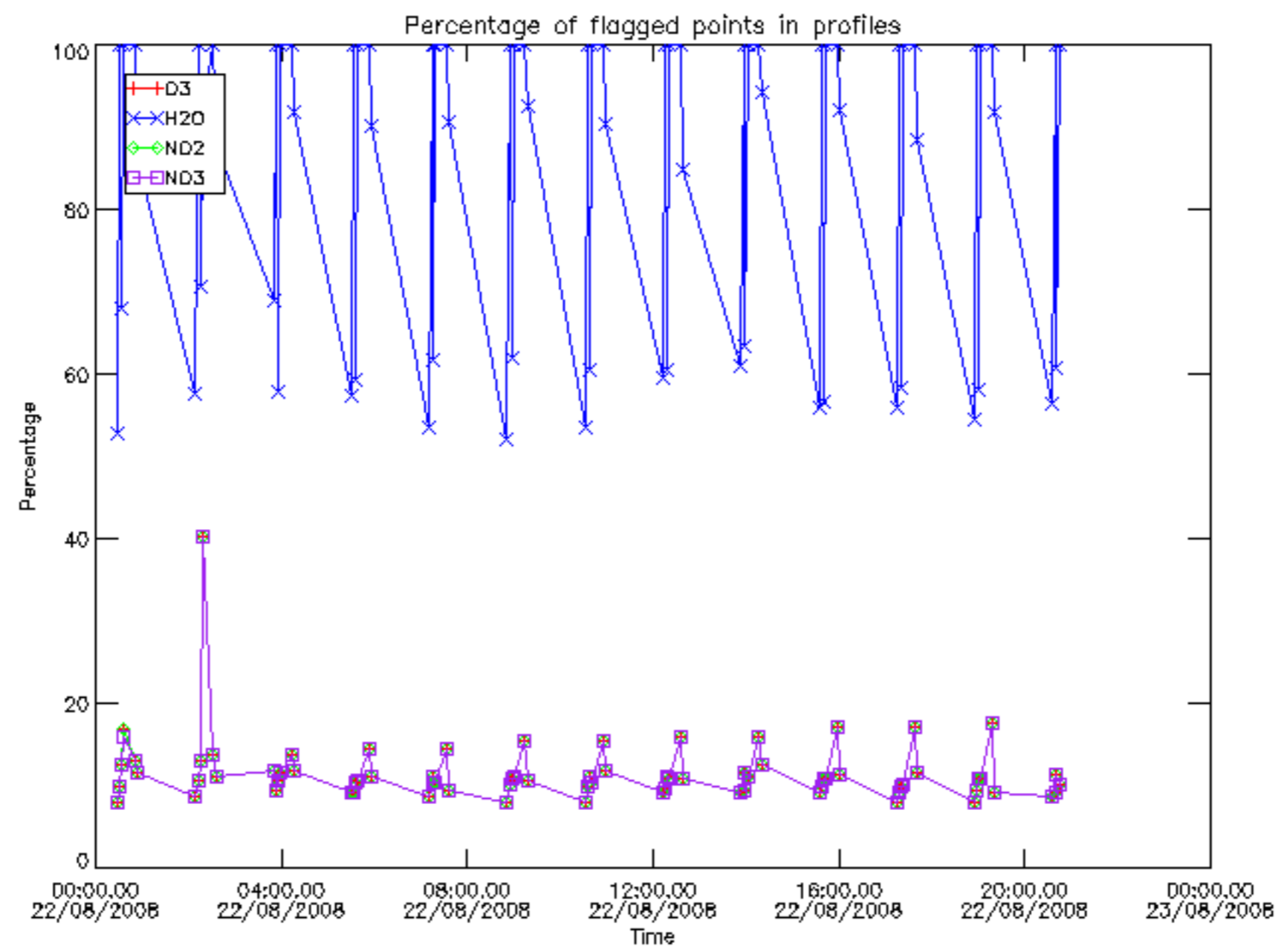




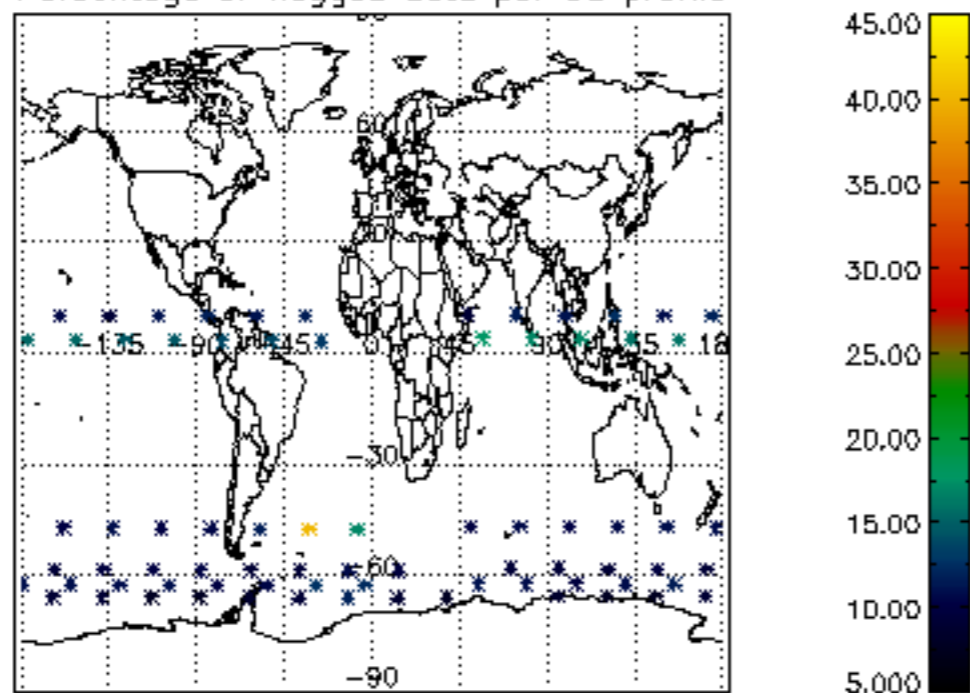




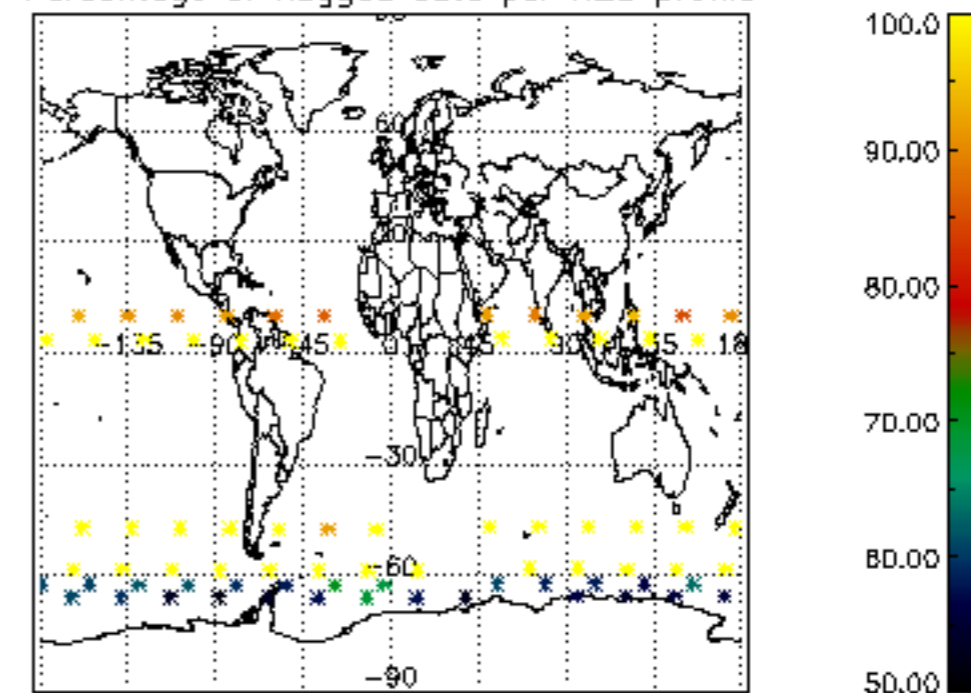




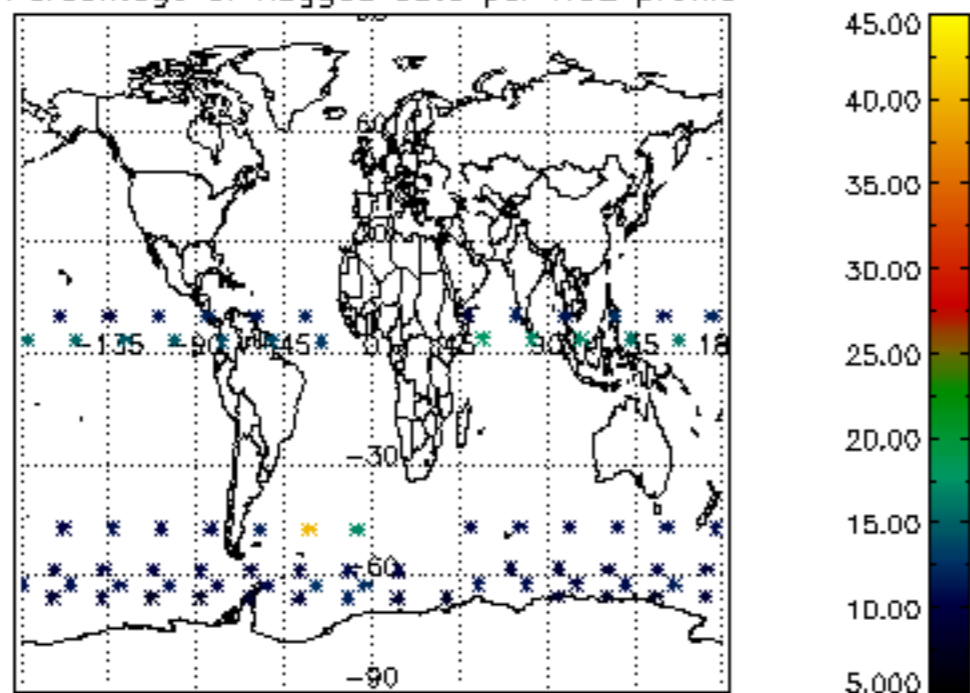
Percentage of flagged data per D3 profile



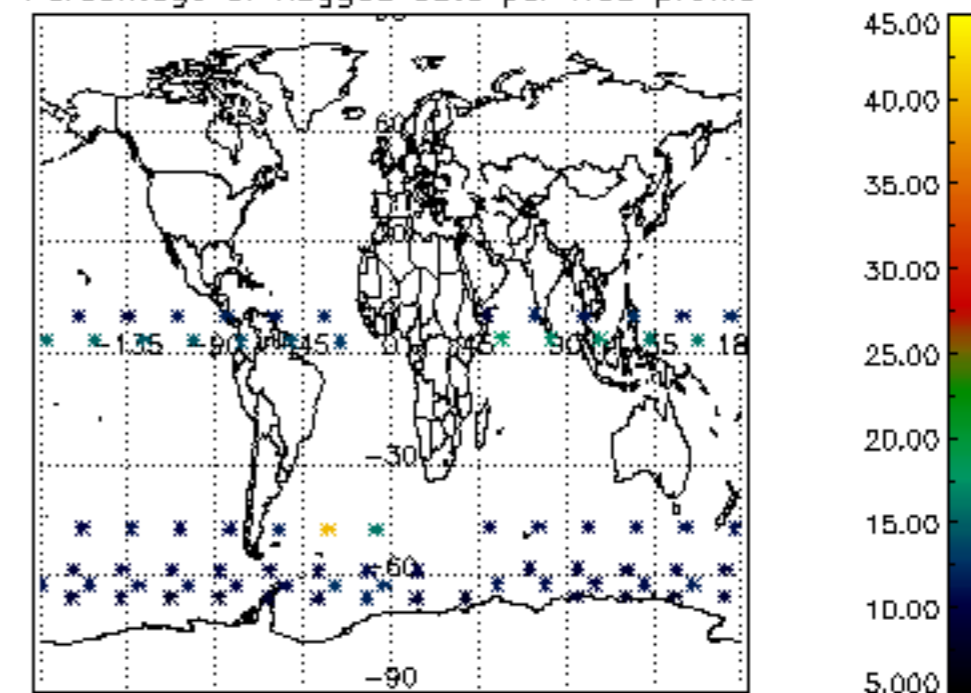
Percentage of flagged data per H2O profile

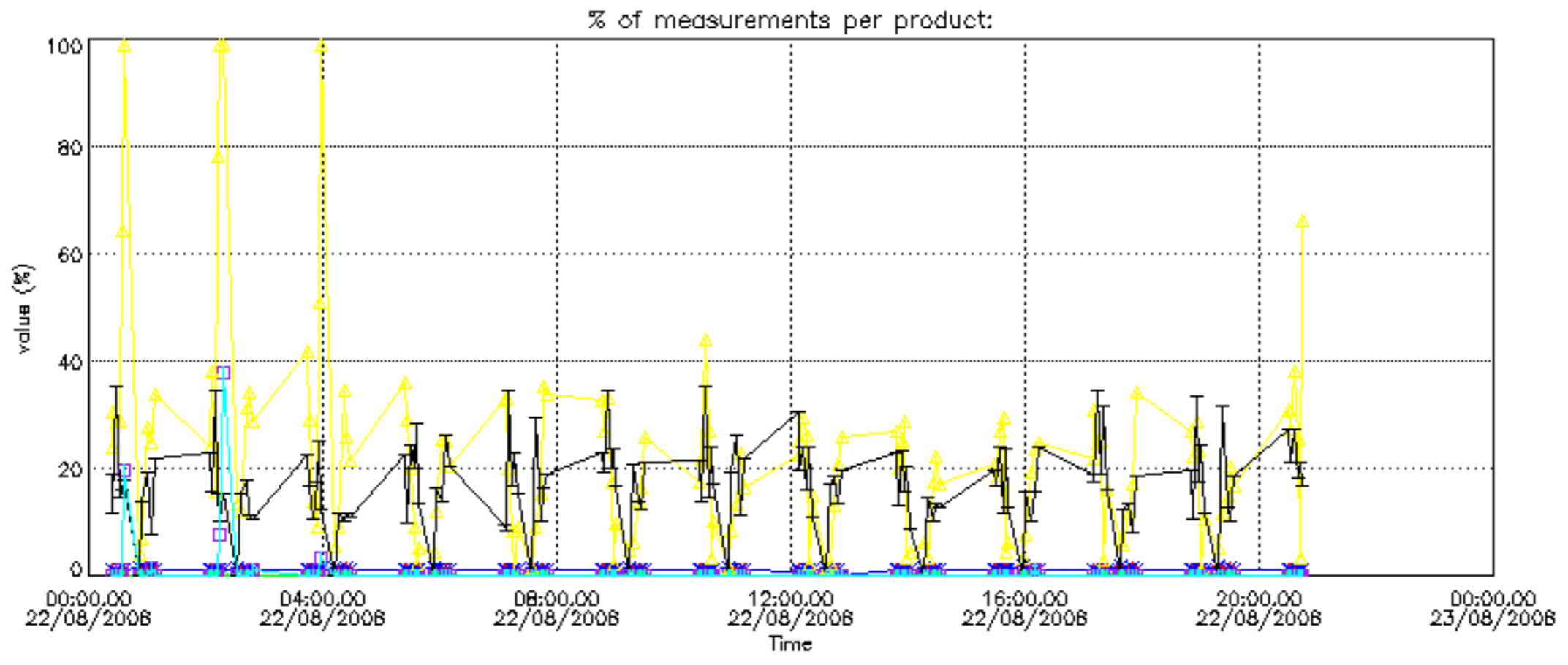


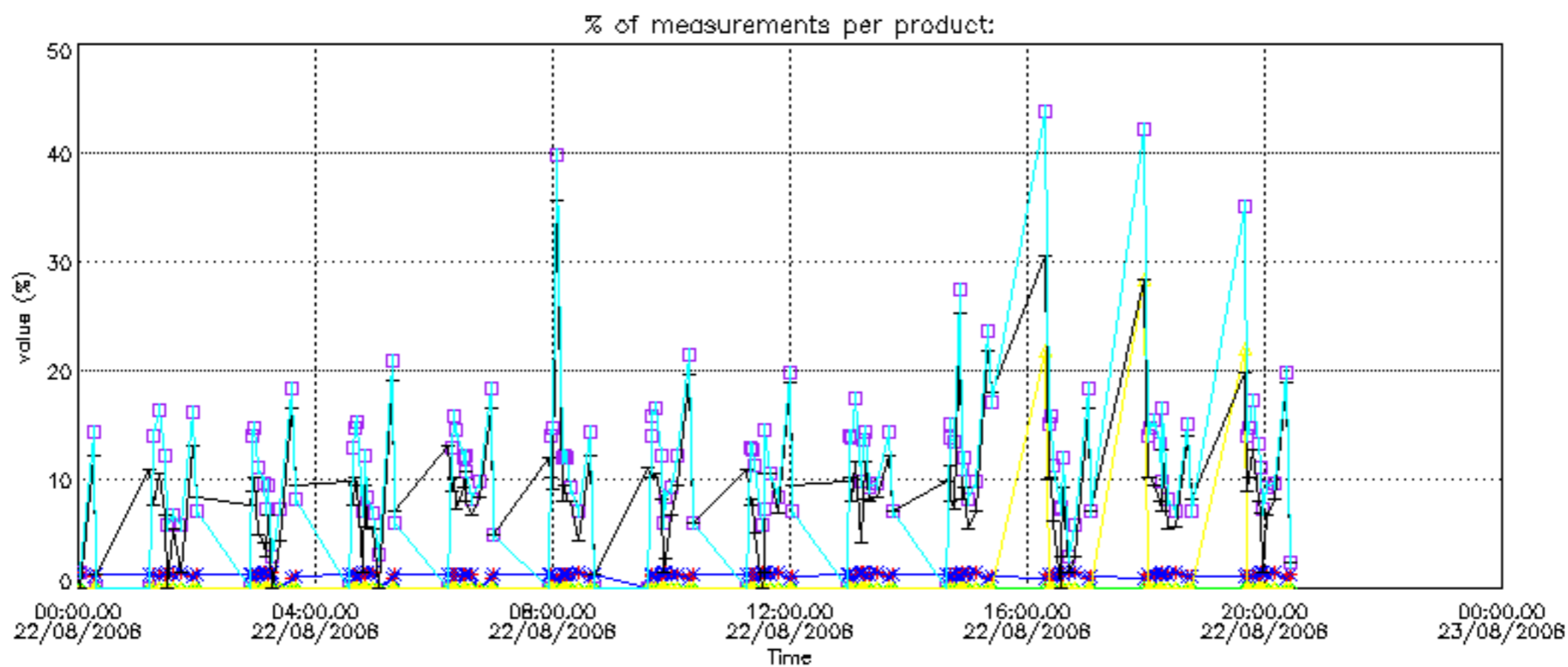
Percentage of flagged data per NO2 profile



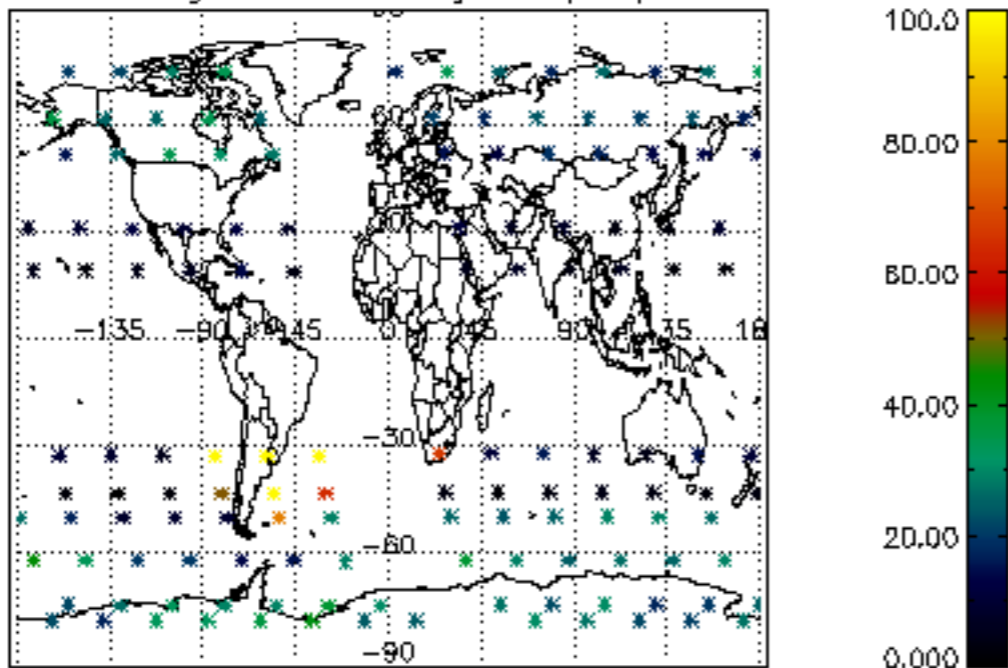
Percentage of flagged data per NO3 profile



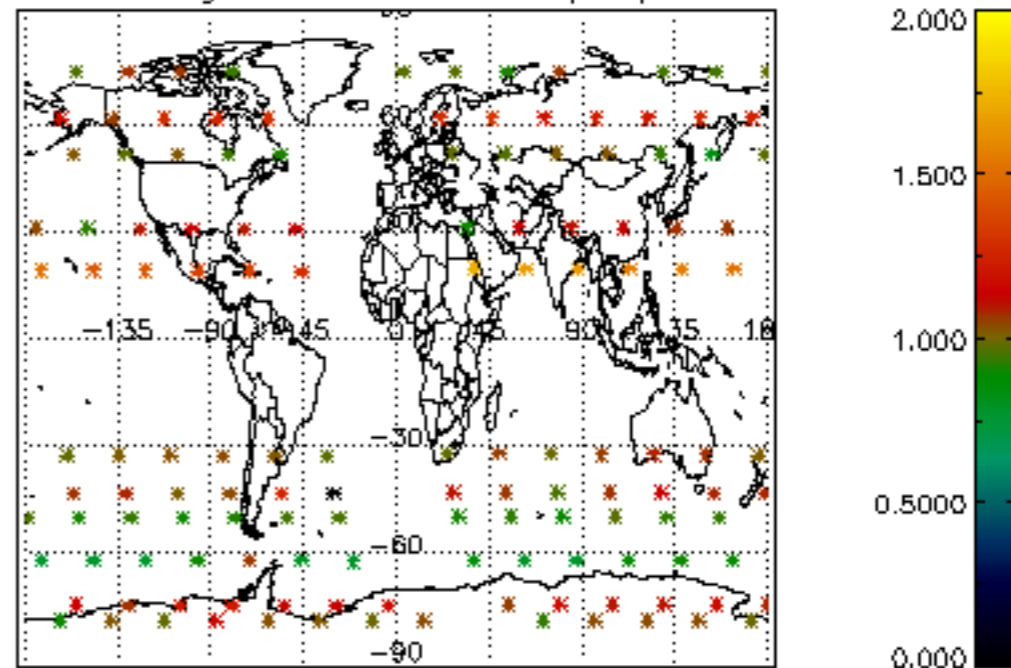




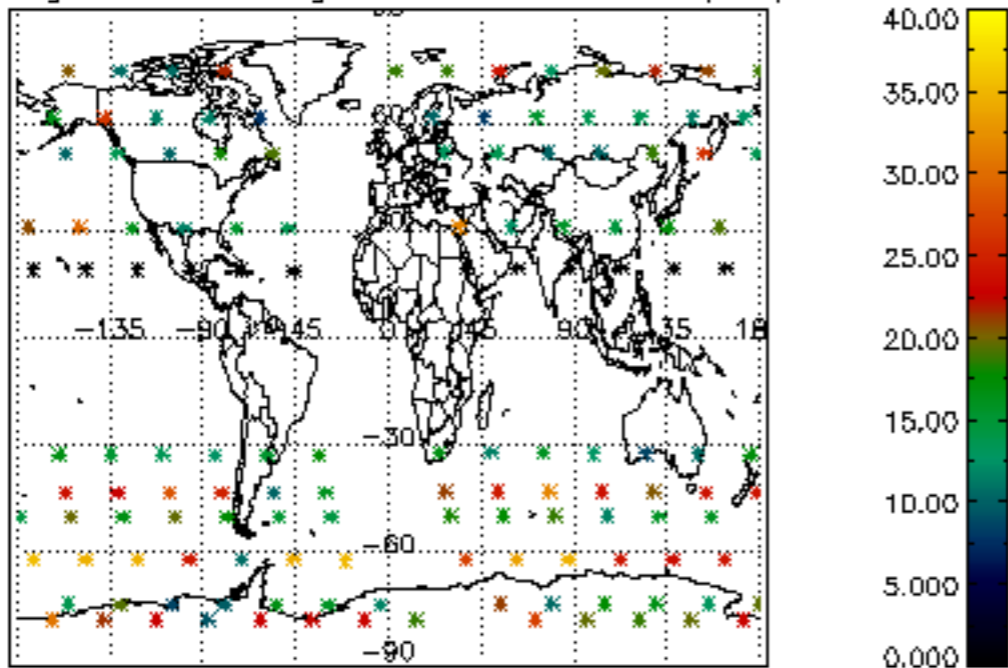
Percentage of cosmic ray hits per profile



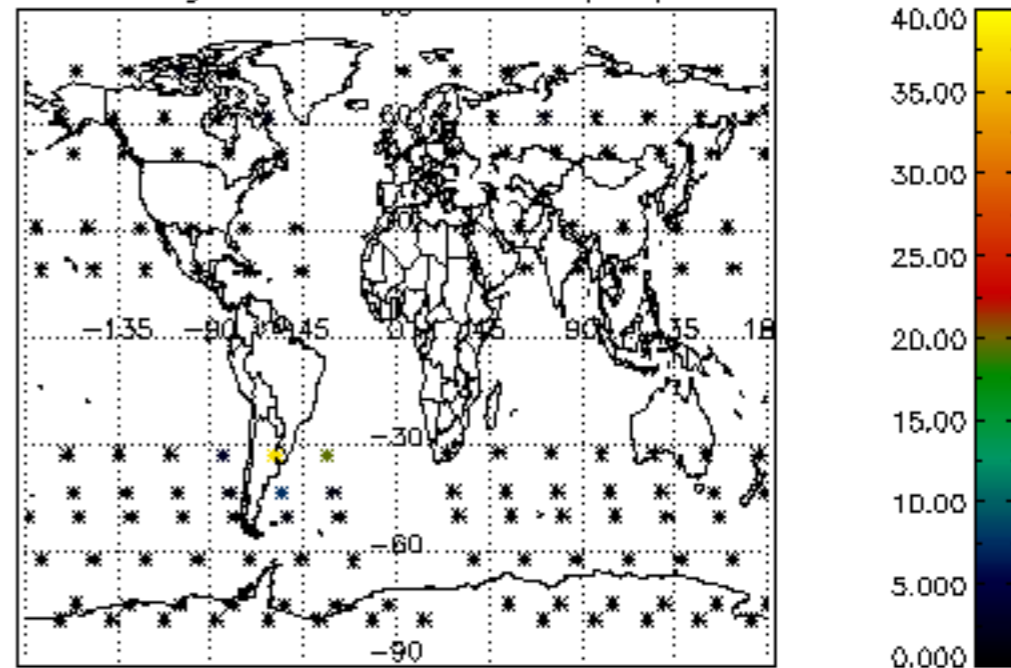
Percentage of datation errors per profile



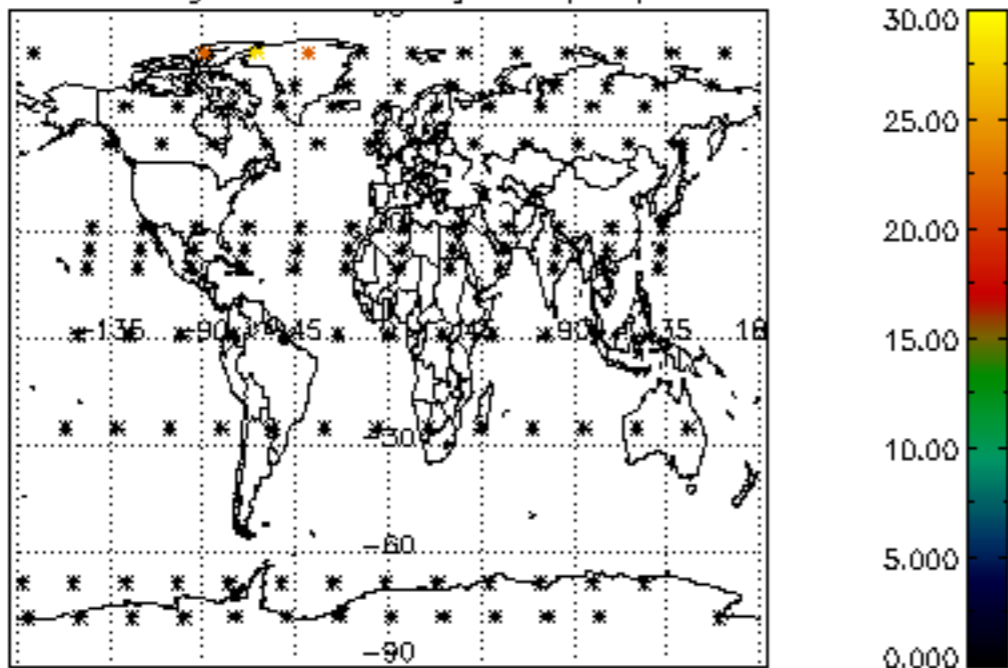
Percentage of star falling outside central band per profile



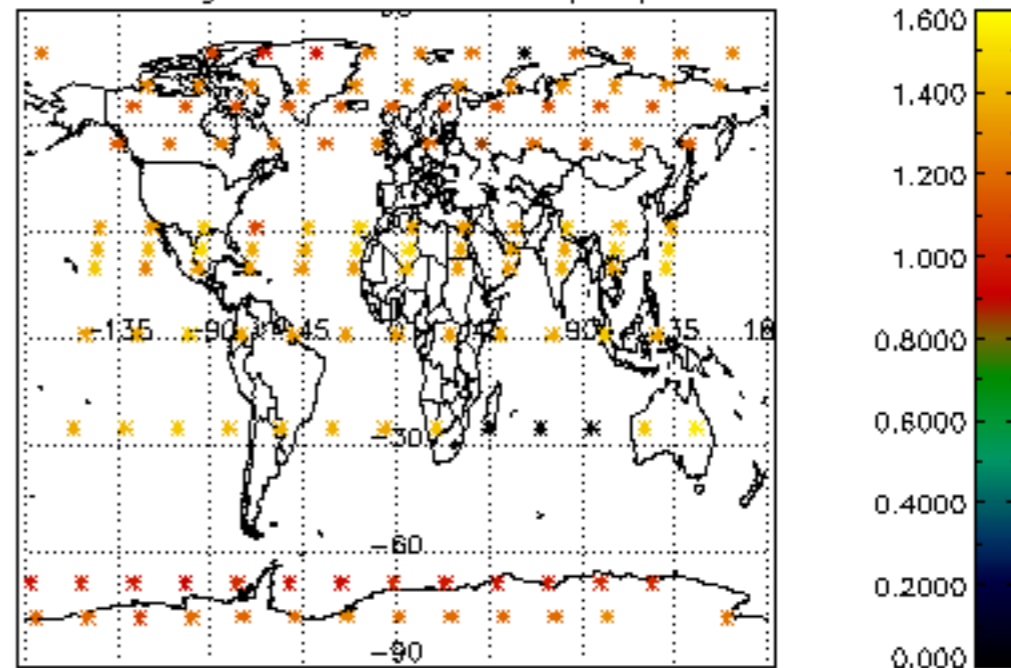
Percentage of saturation errors per profile



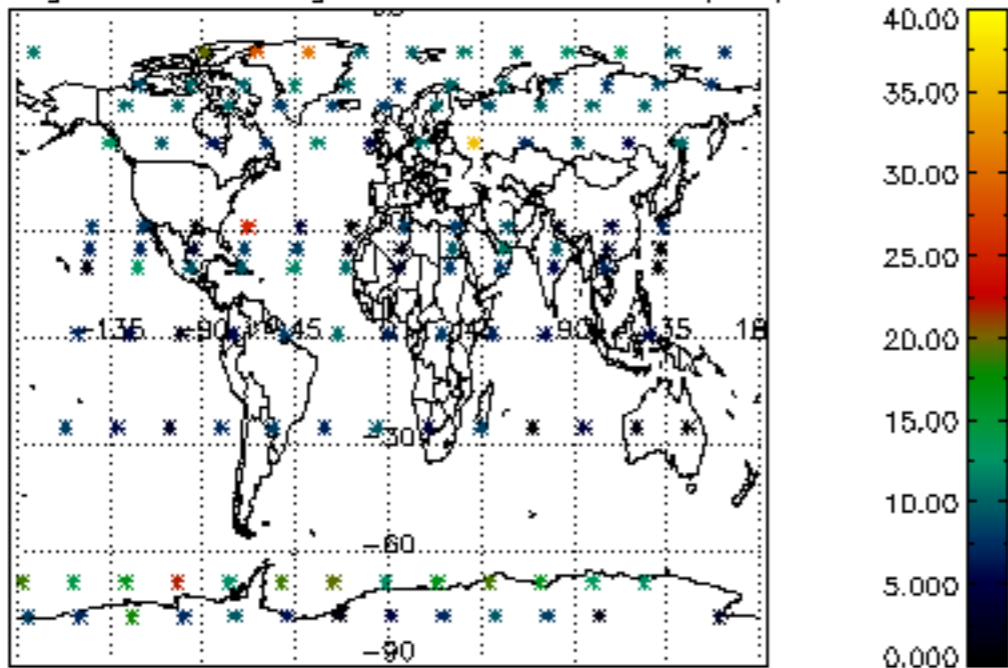
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

