

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	22APR2013 18:09:15
Data source version	GOMOS/6.01
Start time of products	07-04-2007 (07APR2007 00:00:00)
Stop time of products	08-04-2007 (08APR2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	273
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__2PRFIN20070407_000127_000000372057_00059_26666_7459.N1	07-APR-2007 00:01:27	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	26666	No
2	GOM_NL__2PRFIN20070407_000302_000000252057_00059_26666_7460.N1	07-APR-2007 00:03:02	Twilight	25.000	32	77Eps UMa	1.7630	11000.	50	26666	No
3	GOM_NL__2PRFIN20070407_000927_000000392057_00059_26666_7461.N1	07-APR-2007 00:09:27	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26666	No
4	GOM_NL__2PRFIN20070407_001135_000000352057_00059_26666_7462.N1	07-APR-2007 00:11:35	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26666	No
5	GOM_NL__2PRFIN20070407_001911_000000452057_00059_26666_7463.N1	07-APR-2007 00:19:11	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	26666	No
6	GOM_NL__2PRFIN20070407_003505_000000462057_00059_26666_7464.N1	07-APR-2007 00:35:05	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	26666	No
7	GOM_NL__2PRFIN20070407_003734_000000442057_00059_26666_7465.N1	07-APR-2007 00:37:34	Twilight	44.000	162	34Alp Aqr	2.9440	5350.0	88	26666	No
8	GOM_NL__2PRFIN20070407_003950_000000432057_00059_26666_7466.N1	07-APR-2007 00:39:50	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	26666	No
9	GOM_NL__2PRFIN20070407_004220_000000412057_00059_26666_7467.N1	07-APR-2007 00:42:20	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	26666	No
10	GOM_NL__2PRFIN20070407_005439_000000402057_00059_26666_7468.N1	07-APR-2007 00:54:39	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26666	No
11	GOM_NL__2PRFIN20070407_010210_000000382057_00060_26667_7462.N1	07-APR-2007 01:02:10	Dark	37.500	43	Alp TrA	1.9100	4250.0	75	26667	No
12	GOM_NL__2PRFIN20070407_010407_000000382057_00060_26667_7463.N1	07-APR-2007 01:04:07	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	26667	No
13	GOM_NL__2PRFIN20070407_010641_000000542057_00060_26667_7464.N1	07-APR-2007 01:06:41	Straylight	54.000	4	Alp1Cen	-0.010000	5800.0	108	26667	No
14	GOM_NL__2PRFIN20070407_010937_000000452057_00060_26667_7465.N1	07-APR-2007 01:09:37	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	26667	No
15	GOM_NL__2PRFIN20070407_011209_000000392057_00060_26667_7466.N1	07-APR-2007 01:12:09	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	26667	No
16	GOM_NL__2PRFIN20070407_011448_000000432057_00060_26667_7467.N1	07-APR-2007 01:14:48	Straylight	43.000	123	lot Cen	2.7500	10200.	86	26667	No
17	GOM_NL__2PRFIN20070407_011926_000000442057_00060_26667_7468.N1	07-APR-2007 01:19:26	Twilight	44.000	106	9Bet Crv	2.6480	5600.0	88	26667	No
18	GOM_NL__2PRFIN20070407_012120_000000412057_00060_26667_7469.N1	07-APR-2007 01:21:20	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	26667	No
19	GOM_NL__2PRFIN20070407_013046_000000372057_00060_26667_7470.N1	07-APR-2007 01:30:46	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	26667	No
20	GOM_NL__2PRFIN20070407_013230_000000362057_00060_26667_7471.N1	07-APR-2007 01:32:30	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	26667	No
21	GOM_NL__2PRFIN20070407_013914_000000372057_00060_26667_7472.N1	07-APR-2007 01:39:14	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	26667	No
22	GOM_NL__2PRFIN20070407_014203_000000382057_00060_26667_7473.N1	07-APR-2007 01:42:03	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	26667	No
23	GOM_NL__2PRFIN20070407_014337_000000252057_00060_26667_7474.N1	07-APR-2007 01:43:37	Twilight	25.000	32	77Eps UMa	1.7630	11000.	50	26667	No
24	GOM_NL__2PRFIN20070407_015002_000000392057_00060_26667_7475.N1	07-APR-2007 01:50:02	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26667	No
25	GOM_NL__2PRFIN20070407_015211_000000362057_00060_26667_7476.N1	07-APR-2007 01:52:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26667	No
26	GOM_NL__2PRFIN20070407_015946_000000352057_00060_26667_7477.N1	07-APR-2007 01:59:46	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	26667	No
27	GOM_NL__2PRFIN20070407_021542_000000462057_00060_26667_7478.N1	07-APR-2007 02:15:42	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	26667	No
28	GOM_NL__2PRFIN20070407_021811_000000422057_00060_26667_7479.N1	07-APR-2007 02:18:11	Twilight	42.000	162	34Alp Aqr	2.9440	5350.0	84	26667	No
29	GOM_NL__2PRFIN20070407_022026_000000432057_00060_26667_7480.N1	07-APR-2007 02:20:26	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	26667	No
30	GOM_NL__2PRFIN20070407_022256_000000412057_00060_26667_7481.N1	07-APR-2007 02:22:56	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	26667	No
31	GOM_NL__2PRFIN20070407_023515_000000382057_00060_26667_7482.N1	07-APR-2007 02:35:15	Dark	38.000	45	Alp Pav	1.9400	26000.	76	26667	No
32	GOM_NL__2PRFIN20070407_024246_000000412057_00061_26668_7513.N1	07-APR-2007 02:42:46	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	26668	No
33	GOM_NL__2PRFIN20070407_024444_000000382057_00061_26668_7514.N1	07-APR-2007 02:44:44	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	26668	No
34	GOM_NL__2PRFIN20070407_024717_000000432057_00061_26668_7515.N1	07-APR-2007 02:47:17	Straylight	43.000	4	Alp1Cen	-0.010000	5800.0	86	26668	No
35	GOM_NL__2PRFIN20070407_025014_000000432057_00061_26668_7516.N1	07-APR-2007 02:50:14	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	26668	No
36	GOM_NL__2PRFIN20070407_025245_000000402057_00061_26668_7517.N1	07-APR-2007 02:52:45	Straylight	39.500	64	Gam Cen	2.2000	10600.	79	26668	No
37	GOM_NL__2PRFIN20070407_025524_000000422057_00061_26668_7518.N1	07-APR-2007 02:55:24	Straylight	42.000	123	lot Cen	2.7500	10200.	84	26668	No
38	GOM_NL__2PRFIN20070407_030002_000000422057_00061_26668_7519.N1	07-APR-2007 03:00:02	Twilight	42.000	106	9Bet Crv	2.6480	5600.0	84	26668	No
39	GOM_NL__2PRFIN20070407_030156_000000412057_00061_26668_7520.N1	07-APR-2007 03:01:56	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	26668	No
40	GOM_NL__2PRFIN20070407_031122_000000362057_00061_26668_7521.N1	07-APR-2007 03:11:22	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	26668	No
41	GOM_NL__2PRFIN20070407_031306_000000362057_00061_26668_7522.N1	07-APR-2007 03:13:06	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	26668	No
42	GOM_NL__2PRFIN20070407_031950_000000372057_00061_26668_7523.N1	07-APR-2007 03:19:50	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	26668	No

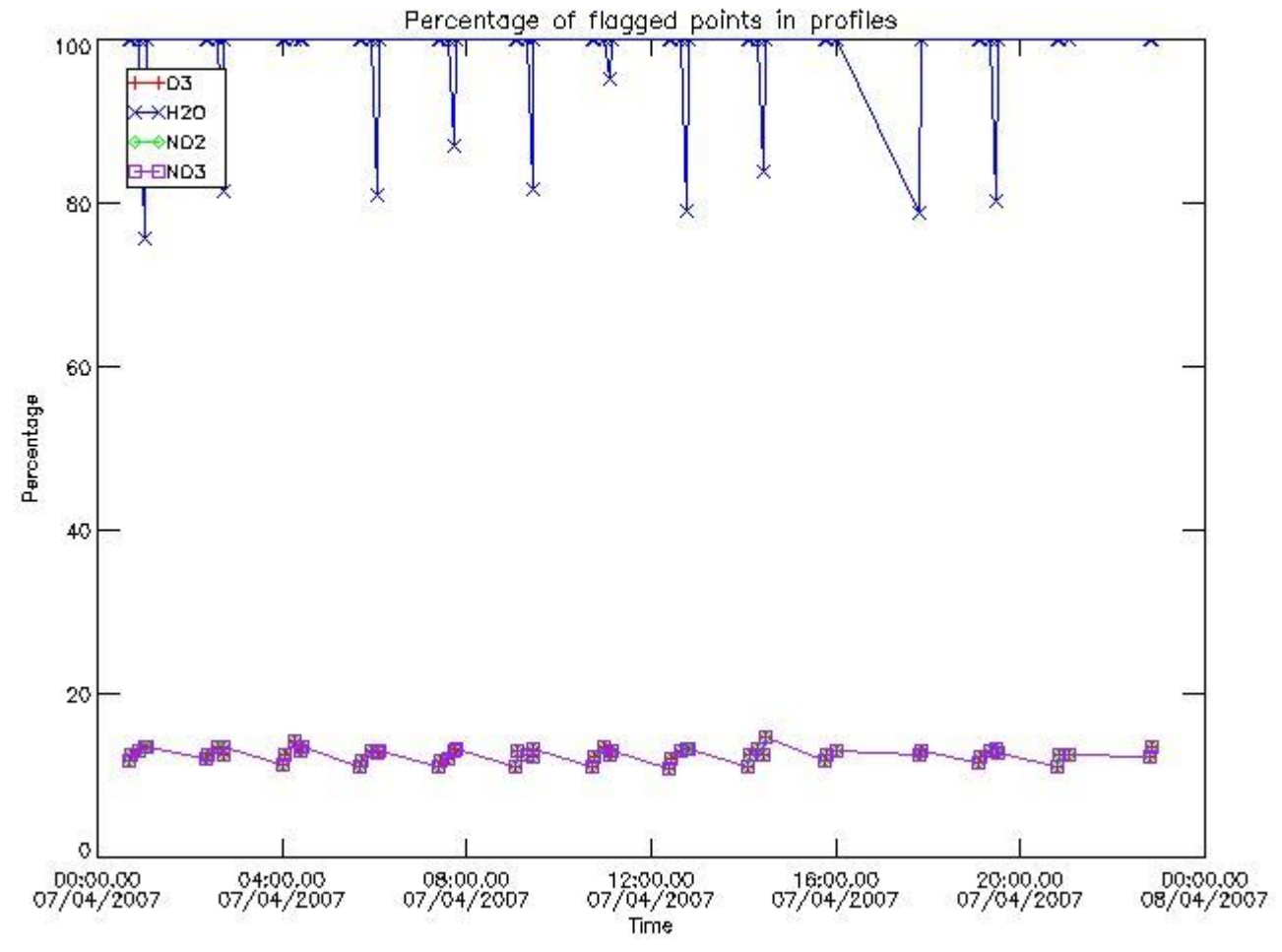
220	GOM_NL__2PRFIN20070407_181206_000000412057_00070_26677_7656.N1	07-APR-2007 18:12:06	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	26677	No
221	GOM_NL__2PRFIN20070407_181645_000000372057_00070_26677_7657.N1	07-APR-2007 18:16:45	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	26677	No
222	GOM_NL__2PRFIN20070407_181830_000000352057_00070_26677_7658.N1	07-APR-2007 18:18:30	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	26677	No
223	GOM_NL__2PRFIN20070407_182514_000000342057_00070_26677_7659.N1	07-APR-2007 18:25:14	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	26677	No
224	GOM_NL__2PRFIN20070407_182801_000000382057_00070_26677_7660.N1	07-APR-2007 18:28:01	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	26677	No
225	GOM_NL__2PRFIN20070407_182933_000000402057_00070_26677_7661.N1	07-APR-2007 18:29:33	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	26677	No
226	GOM_NL__2PRFIN20070407_183559_000000402057_00070_26677_7662.N1	07-APR-2007 18:35:59	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	26677	No
227	GOM_NL__2PRFIN20070407_183811_000000362057_00070_26677_7663.N1	07-APR-2007 18:38:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26677	No
228	GOM_NL__2PRFIN20070407_184545_000000372057_00070_26677_7664.N1	07-APR-2007 18:45:45	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	26677	No
229	GOM_NL__2PRFIN20070407_185506_000000352057_00070_26677_7665.N1	07-APR-2007 18:55:06	Bright	34.500	164	44Eta Peg	2.9480	5400.0	69	26677	No
230	GOM_NL__2PRFIN20070407_190145_000000482057_00070_26677_7666.N1	07-APR-2007 19:01:45	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	26677	No
231	GOM_NL__2PRFIN20070407_190413_000000432057_00070_26677_7667.N1	07-APR-2007 19:04:13	Twilight	43.000	162	34Alp Aqr	2.9440	5350.0	86	26677	No
232	GOM_NL__2PRFIN20070407_190630_000000442057_00070_26677_7668.N1	07-APR-2007 19:06:30	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	26677	No
233	GOM_NL__2PRFIN20070407_190900_000000422057_00070_26677_7669.N1	07-APR-2007 19:09:00	Dark	41.500	142	49Del Cap	2.8500	8900.0	83	26677	No
234	GOM_NL__2PRFIN20070407_192119_000000392057_00070_26677_7670.N1	07-APR-2007 19:21:19	Dark	39.000	45	Alp Pav	1.9400	26000.	78	26677	No
235	GOM_NL__2PRFIN20070407_192850_000000392057_00071_26678_7663.N1	07-APR-2007 19:28:50	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	26678	No
236	GOM_NL__2PRFIN20070407_193048_000000402057_00071_26678_7664.N1	07-APR-2007 19:30:48	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	26678	No
237	GOM_NL__2PRFIN20070407_193321_000000402057_00071_26678_7665.N1	07-APR-2007 19:33:21	Straylight	40.000	4	Alp1Cen	-0.010000	5800.0	80	26678	No
238	GOM_NL__2PRFIN20070407_193619_000000422057_00071_26678_7666.N1	07-APR-2007 19:36:19	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	26678	No
239	GOM_NL__2PRFIN20070407_193847_000000392057_00071_26678_7667.N1	07-APR-2007 19:38:47	Straylight	38.500	64	Gam Cen	2.2000	10600.	77	26678	No
240	GOM_NL__2PRFIN20070407_194127_000000412057_00071_26678_7668.N1	07-APR-2007 19:41:27	Straylight	40.500	123	lot Cen	2.7500	10200.	81	26678	No
241	GOM_NL__2PRFIN20070407_194604_000000412057_00071_26678_7669.N1	07-APR-2007 19:46:04	Twilight	40.500	106	9Bet Crv	2.6480	5600.0	81	26678	No
242	GOM_NL__2PRFIN20070407_194757_000000372057_00071_26678_7670.N1	07-APR-2007 19:47:57	Twilight	37.000	100	4Gam Crv	2.5800	13100.	74	26678	No
243	GOM_NL__2PRFIN20070407_195242_000000392057_00071_26678_7671.N1	07-APR-2007 19:52:42	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	26678	No
244	GOM_NL__2PRFIN20070407_195721_000000362057_00071_26678_7672.N1	07-APR-2007 19:57:21	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	26678	No
245	GOM_NL__2PRFIN20070407_195906_000000352057_00071_26678_7673.N1	07-APR-2007 19:59:06	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	26678	No
246	GOM_NL__2PRFIN20070407_200550_000000362057_00071_26678_7674.N1	07-APR-2007 20:05:50	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	26678	No
247	GOM_NL__2PRFIN20070407_200837_000000372057_00071_26678_7675.N1	07-APR-2007 20:08:37	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	26678	No
248	GOM_NL__2PRFIN20070407_201009_000000392057_00071_26678_7676.N1	07-APR-2007 20:10:09	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	26678	No
249	GOM_NL__2PRFIN20070407_201634_000000382057_00071_26678_7677.N1	07-APR-2007 20:16:34	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	26678	No
250	GOM_NL__2PRFIN20070407_201847_000000362057_00071_26678_7678.N1	07-APR-2007 20:18:47	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26678	No
251	GOM_NL__2PRFIN20070407_202621_000000442057_00071_26678_7679.N1	07-APR-2007 20:26:21	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	26678	No
252	GOM_NL__2PRFIN20070407_203542_000000342057_00071_26678_7680.N1	07-APR-2007 20:35:42	Bright	34.000	164	44Eta Peg	2.9480	5400.0	68	26678	No
253	GOM_NL__2PRFIN20070407_204221_000000482057_00071_26678_7681.N1	07-APR-2007 20:42:21	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	26678	No
254	GOM_NL__2PRFIN20070407_204449_000000422057_00071_26678_7682.N1	07-APR-2007 20:44:49	Twilight	42.000	162	34Alp Aqr	2.9440	5350.0	84	26678	No
255	GOM_NL__2PRFIN20070407_204706_000000462057_00071_26678_7683.N1	07-APR-2007 20:47:06	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	26678	No
256	GOM_NL__2PRFIN20070407_204936_000000412057_00071_26678_7684.N1	07-APR-2007 20:49:36	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	26678	No
257	GOM_NL__2PRFIN20070407_210155_000000402057_00071_26678_7685.N1	07-APR-2007 21:01:55	Dark	40.000	45	Alp Pav	1.9400	26000.	80	26678	No
258	GOM_NL__2PRFIN20070407_224920_000000462057_00073_26680_7703.N1	07-APR-2007 22:49:20	Dark	45.500	141	Bet Ara	2.8400	4600.0	91	26680	No
259	GOM_NL__2PRFIN20070407_225201_000000382057_00073_26680_7704.N1	07-APR-2007 22:52:01	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	26680	No
260	GOM_NL__2PRFIN20070407_225434_000000462057_00073_26680_7705.N1	07-APR-2007 22:54:34	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	26680	No
261	GOM_NL__2PRFIN20070407_225732_000000432057_00073_26680_7706.N1	07-APR-2007 22:57:32	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	26680	No
262	GOM_NL__2PRFIN20070407_225908_000000452057_00073_26680_7707.N1	07-APR-2007 22:59:08	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	26680	No
263	GOM_NL__2PRFIN20070407_230142_000000482057_00073_26680_7708.N1	07-APR-2007 23:01:42	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	26680	No
264	GOM_NL__2PRFIN20070407_230716_000000422057_00073_26680_7709.N1	07-APR-2007 23:07:16	Twilight	42.000	106	9Bet Crv	2.6480	5600.0	84	26680	No
265	GOM_NL__2PRFIN20070407_230909_000000402057_00073_26680_7710.N1	07-APR-2007 23:09:09	Twilight	40.000	100	4Gam Crv	2.5800	13100.	80	26680	No
266	GOM_NL__2PRFIN20070407_231354_000000402057_00073_26680_7711.N1	07-APR-2007 23:13:54	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	26680	No
267	GOM_NL__2PRFIN20070407_231833_000000372057_00073_26680_7712.N1	07-APR-2007 23:18:33	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	26680	No
268	GOM_NL__2PRFIN20070407_232702_000000362057_00073_26680_7713.N1	07-APR-2007 23:27:02	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	26680	No
269	GOM_NL__2PRFIN20070407_232948_000000352057_00073_26680_7714.N1	07-APR-2007 23:29:48	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	26680	No
270	GOM_NL__2PRFIN20070407_233120_000000392057_00073_26680_7715.N1	07-APR-2007 23:31:20	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	26680	No
271	GOM_NL__2PRFIN20070407_233746_000000402057_00073_26680_7716.N1	07-APR-2007 23:37:46	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	26680	No
272	GOM_NL__2PRFIN20070407_233959_000000322057_00073_26680_7717.N1	07-APR-2007 23:39:59	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	26680	No
273	GOM_NL__2PRFIN20070407_234732_000000372057_00073_26680_7718.N1	07-APR-2007 23:47:32	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	26680	No

3. Quality information per product

In this section it is plotted some information contained in the Quality Summary data set of

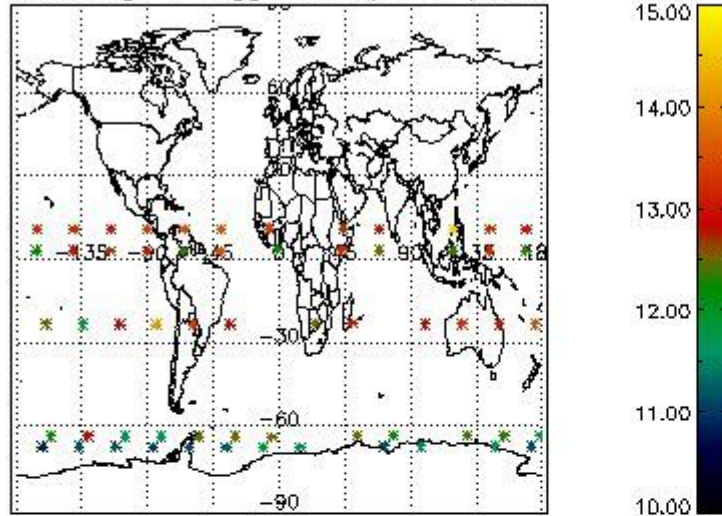
the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

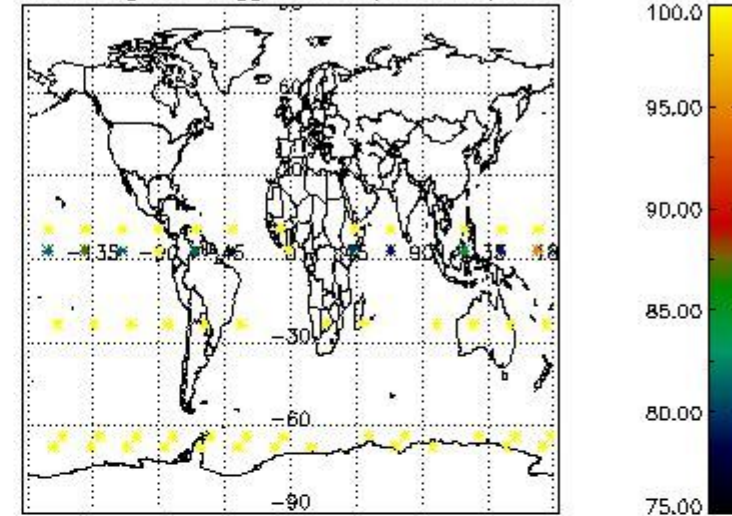


3.2 Plot quality information per product (world map)

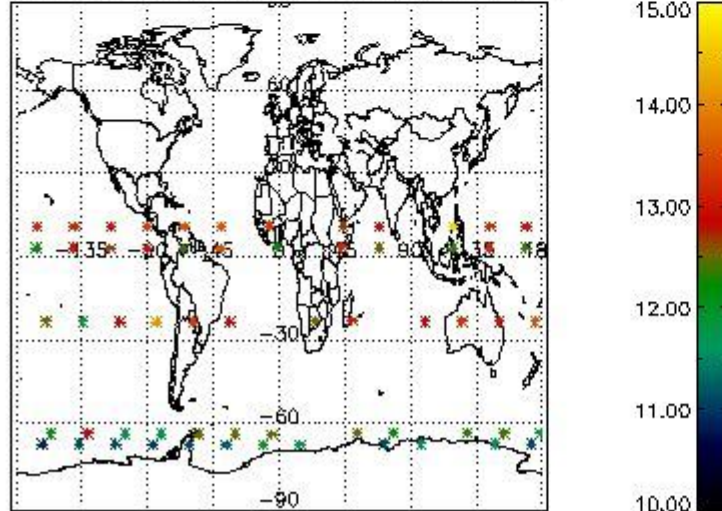
Percentage of flagged data per O3 profile



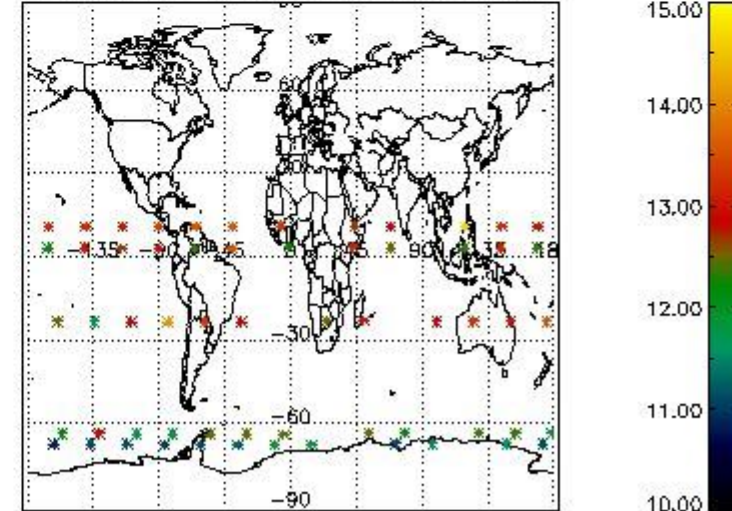
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

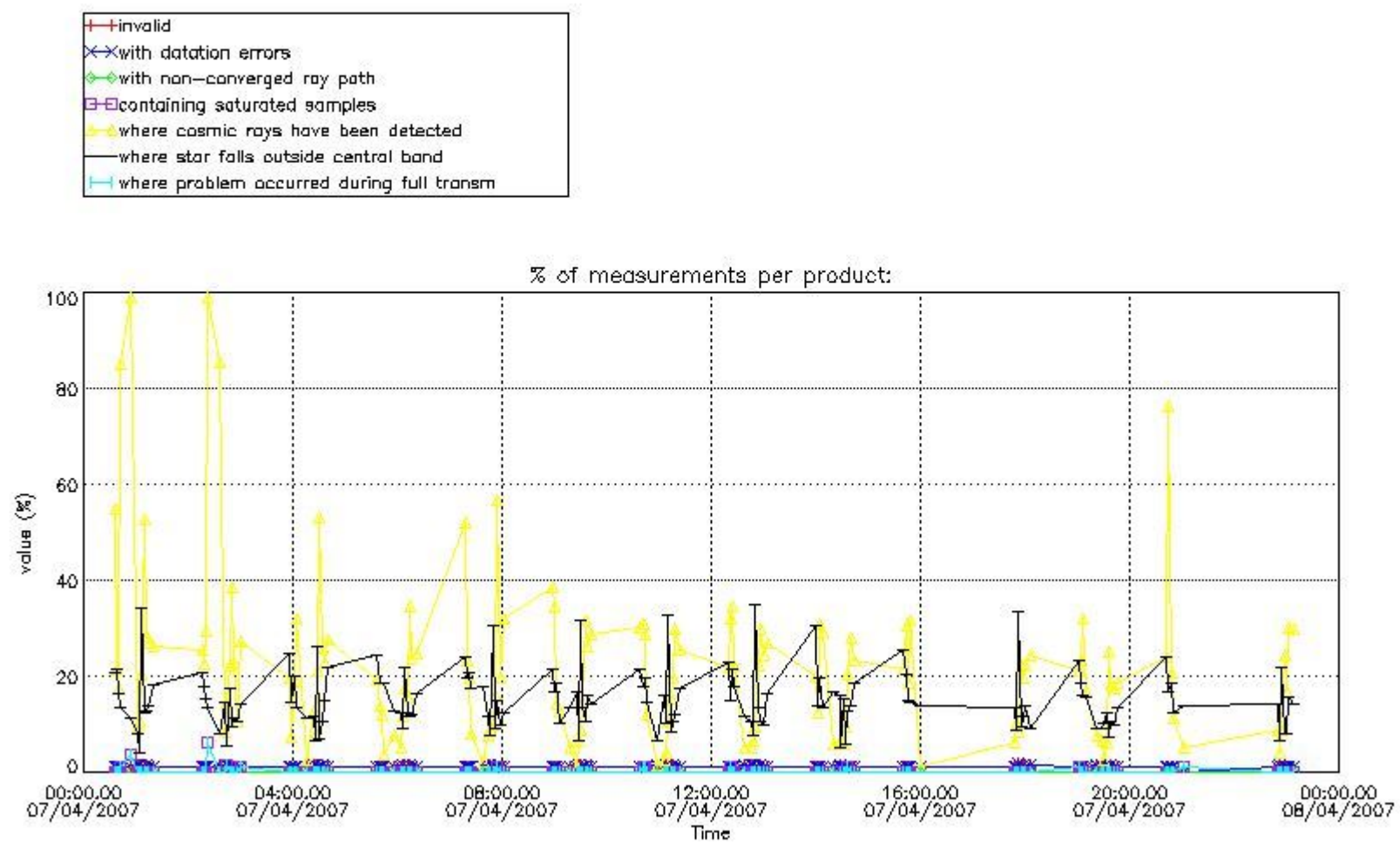


4. Level 1 quality information per product

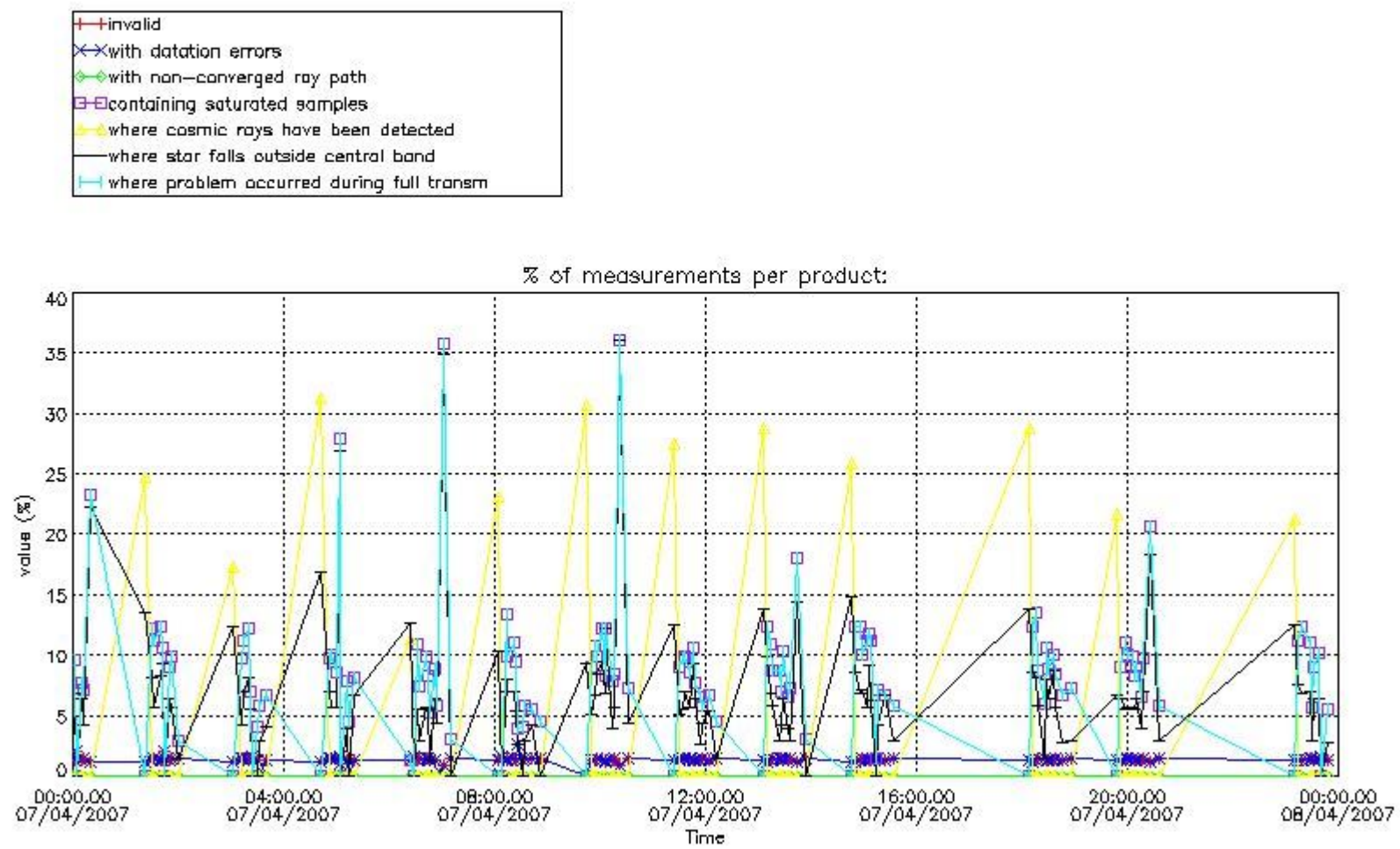
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



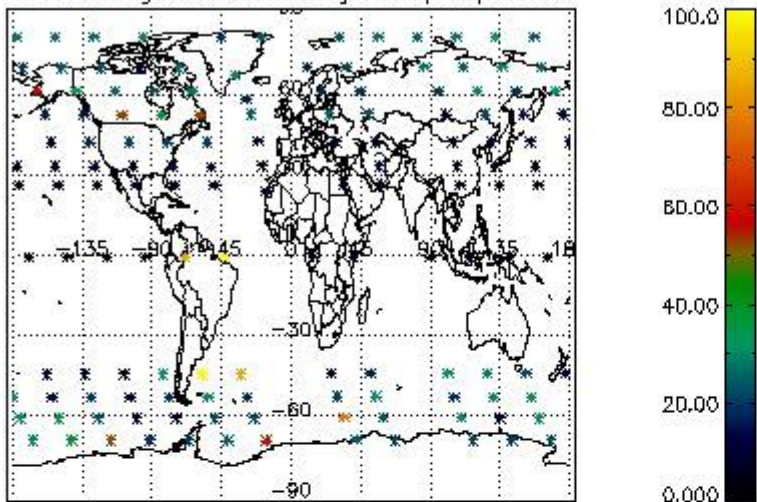
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



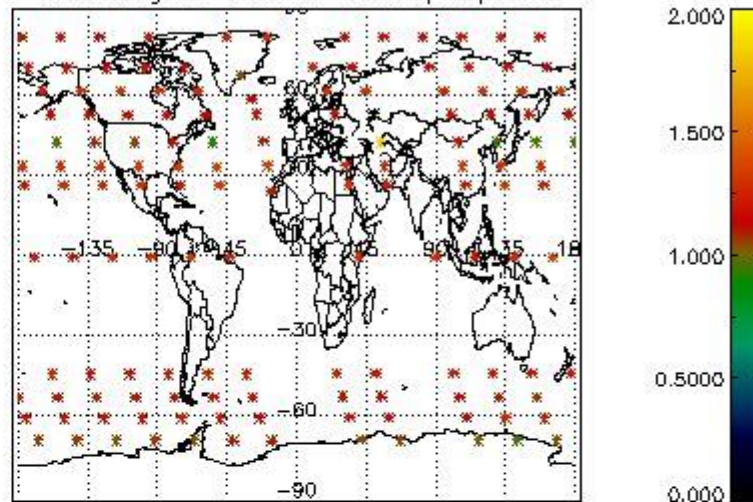
4.2 Plot quality information per product coming from level 1b processing (world map)

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

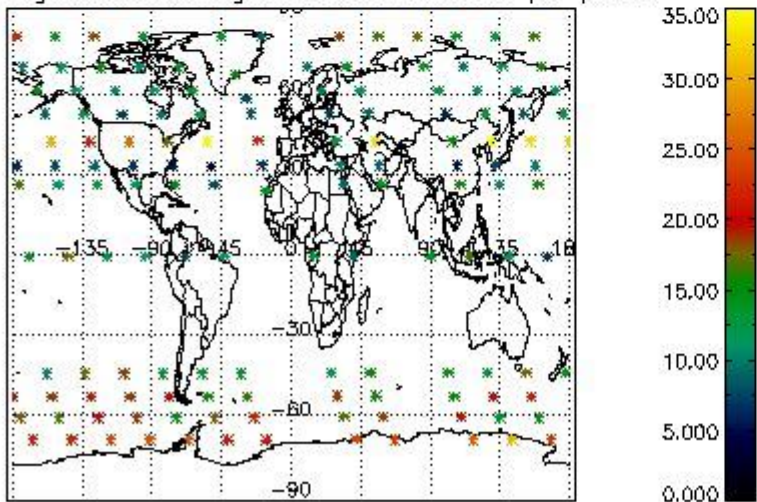
Percentage of cosmic ray hits per profile



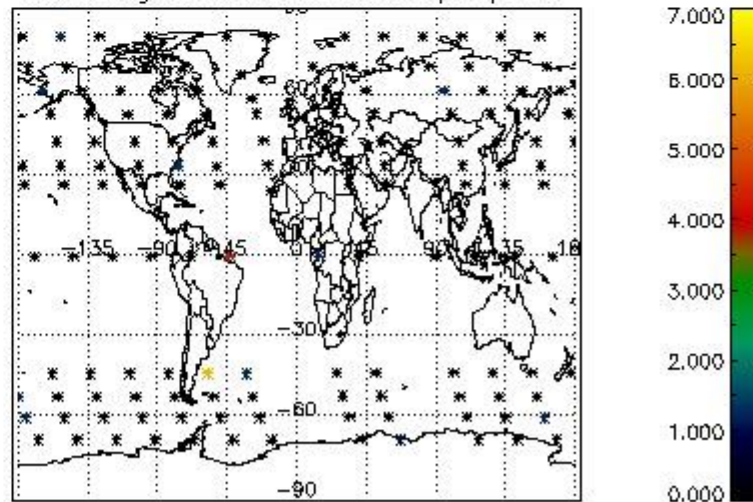
Percentage of datation errors per profile



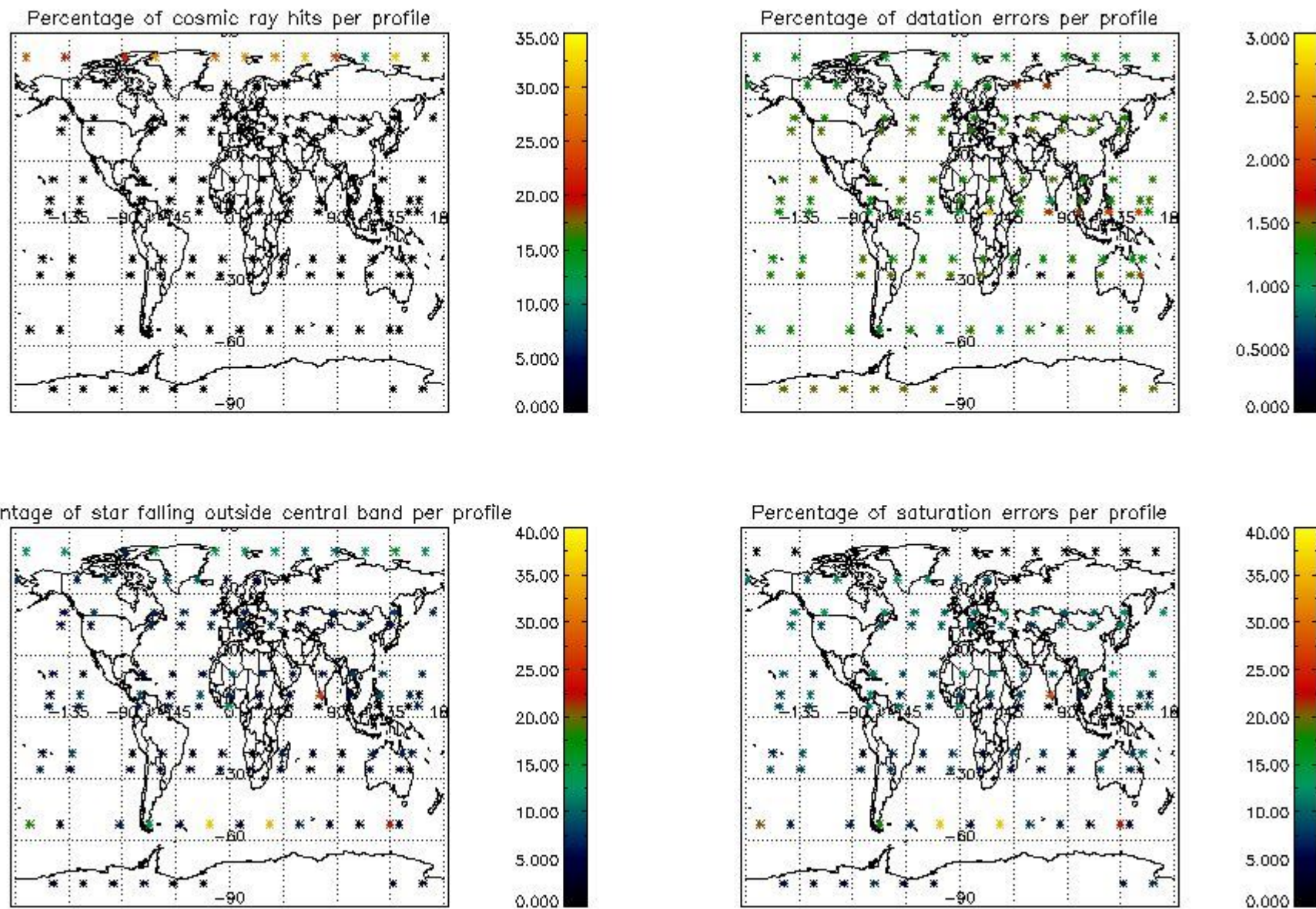
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

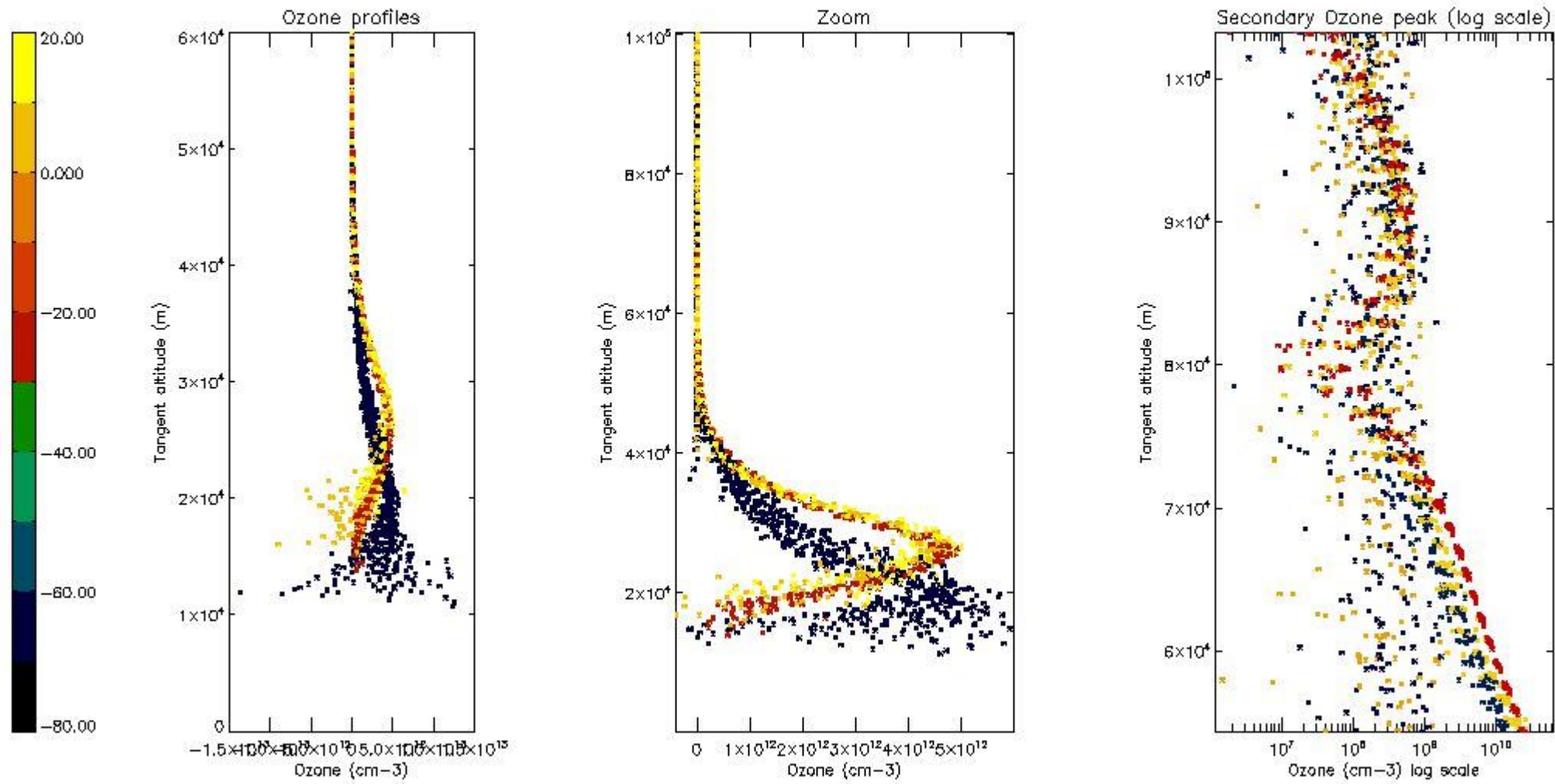
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	10

STD < 10	6
STD < 5	2

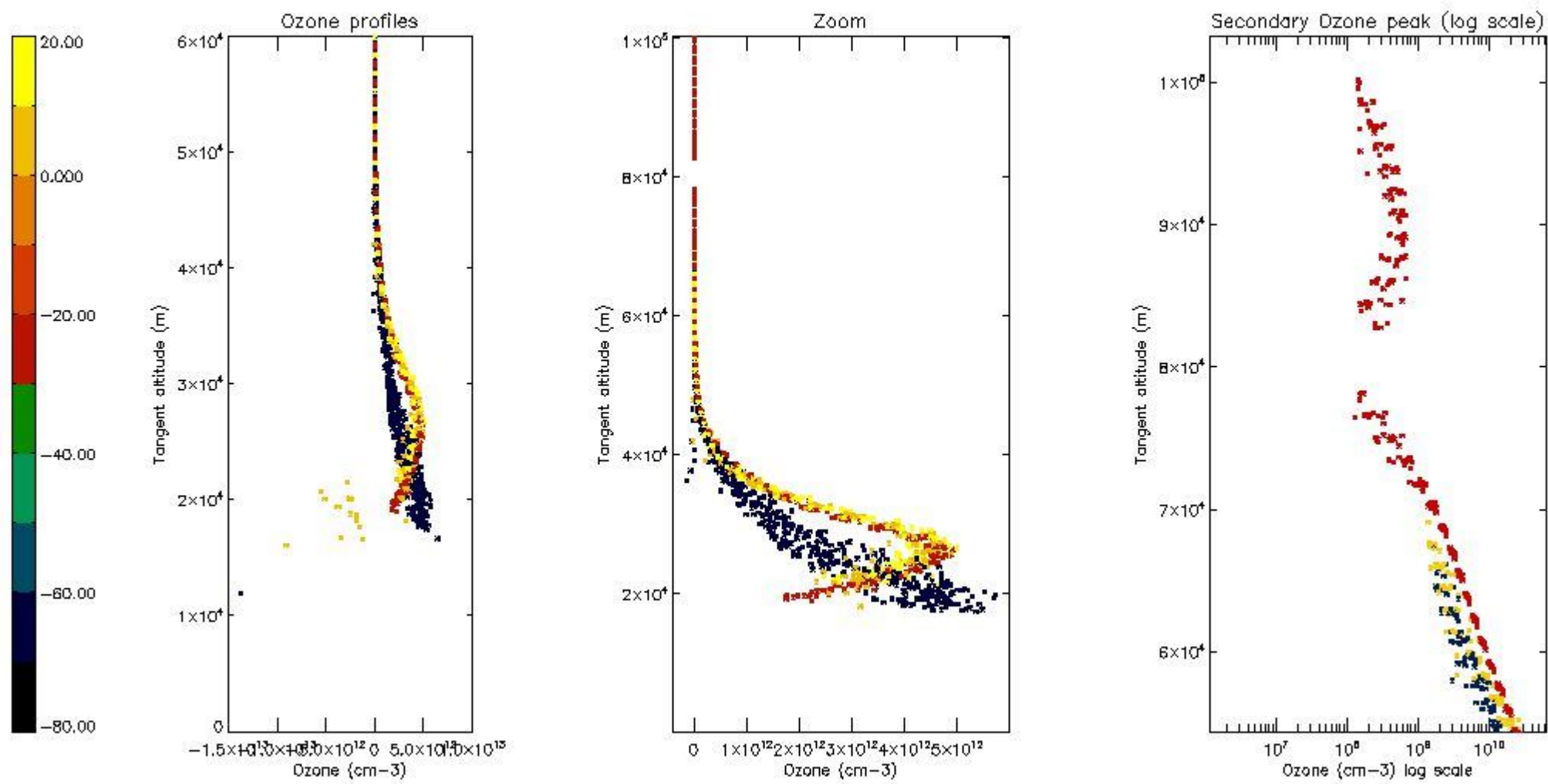
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



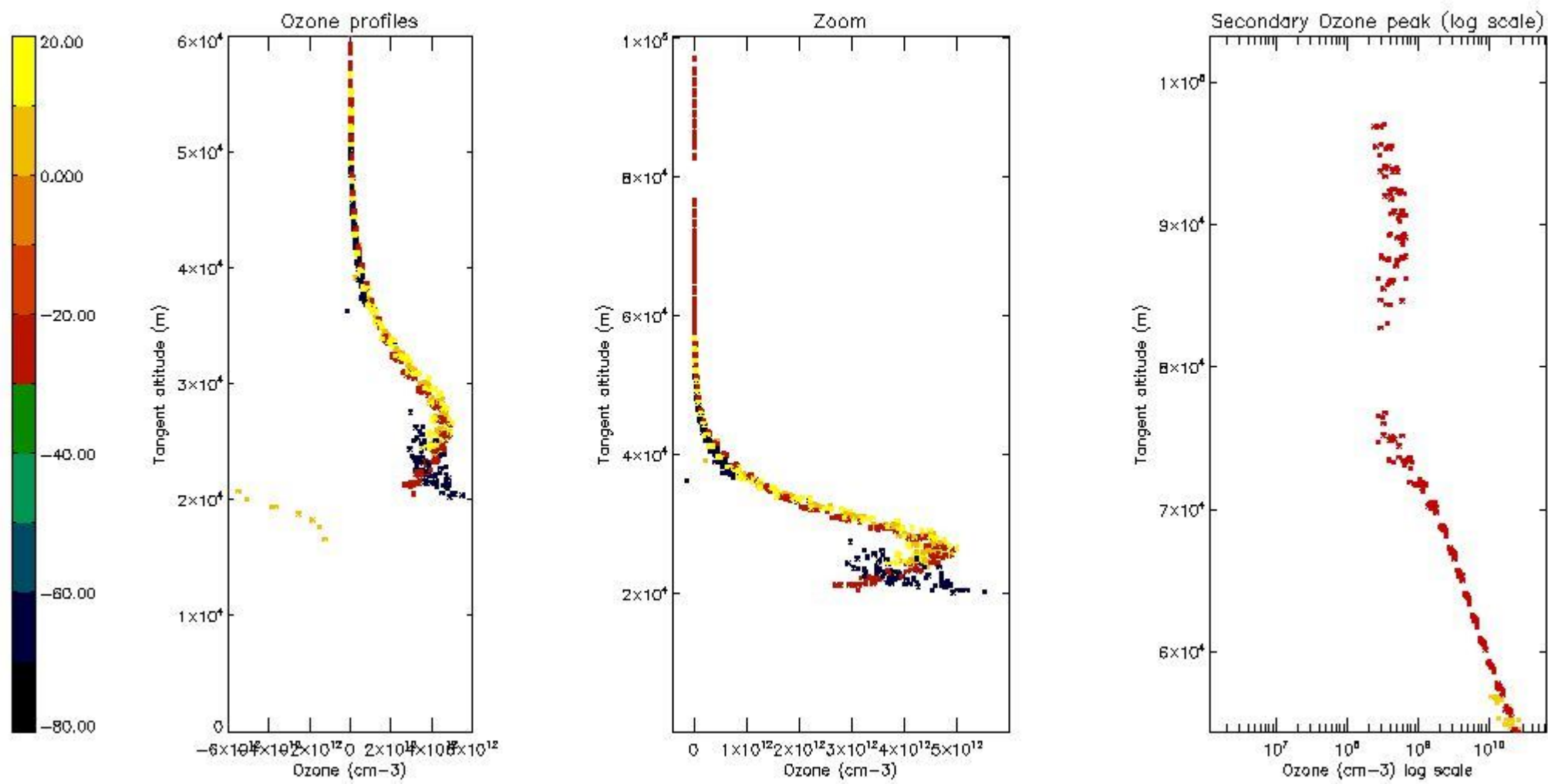
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



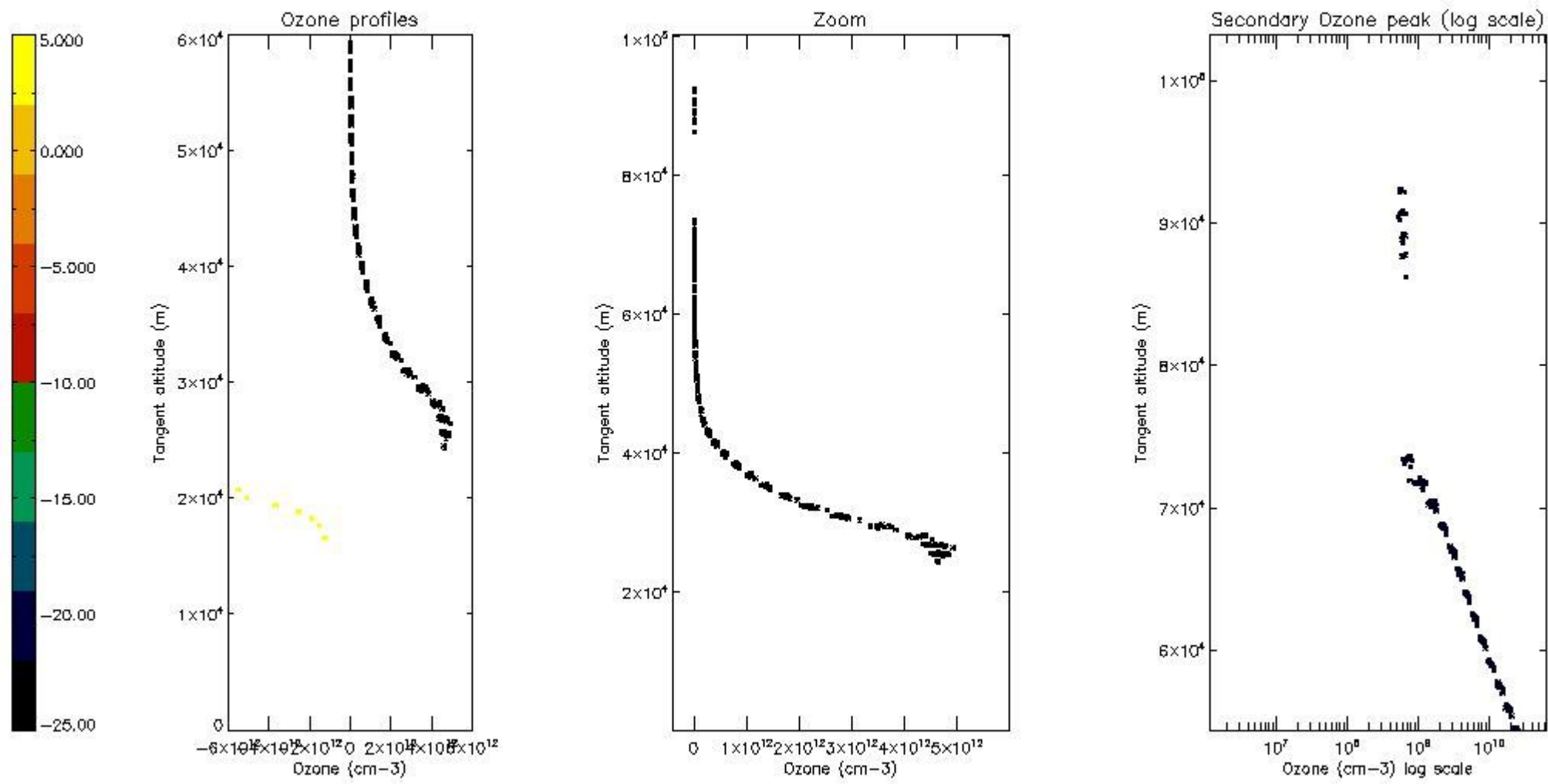
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



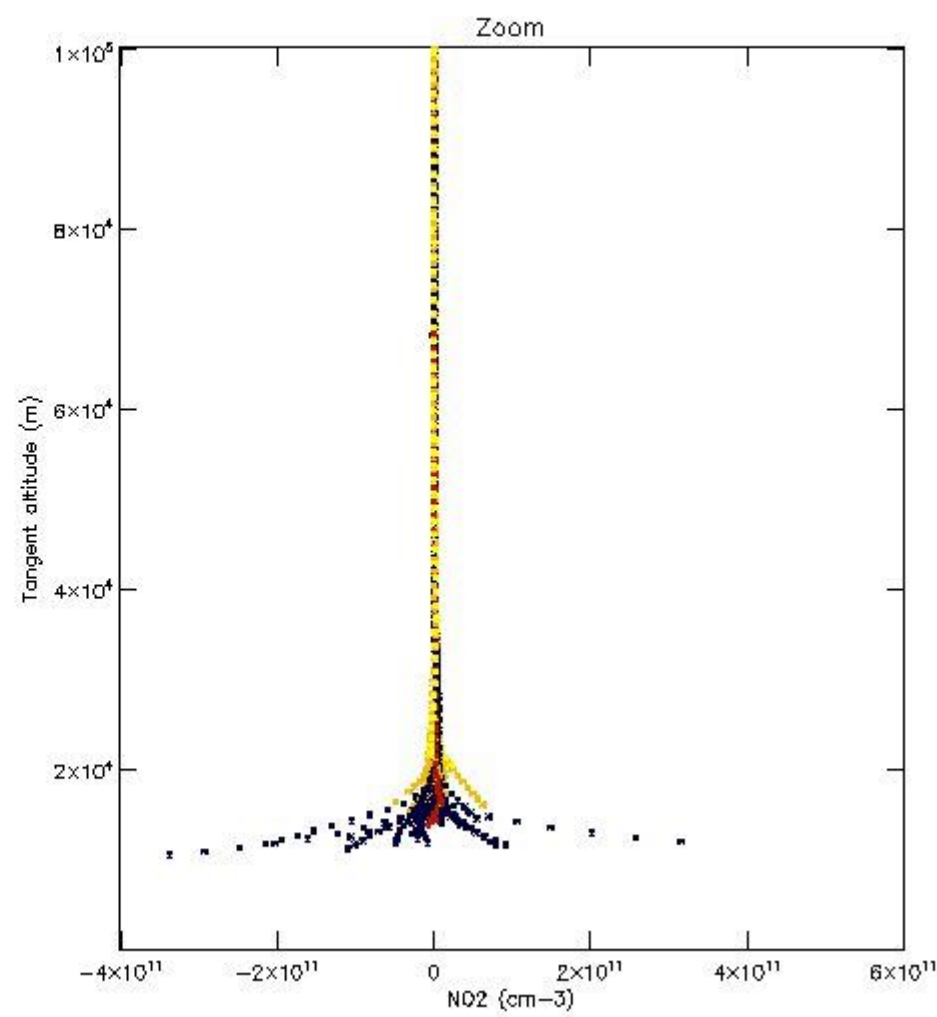
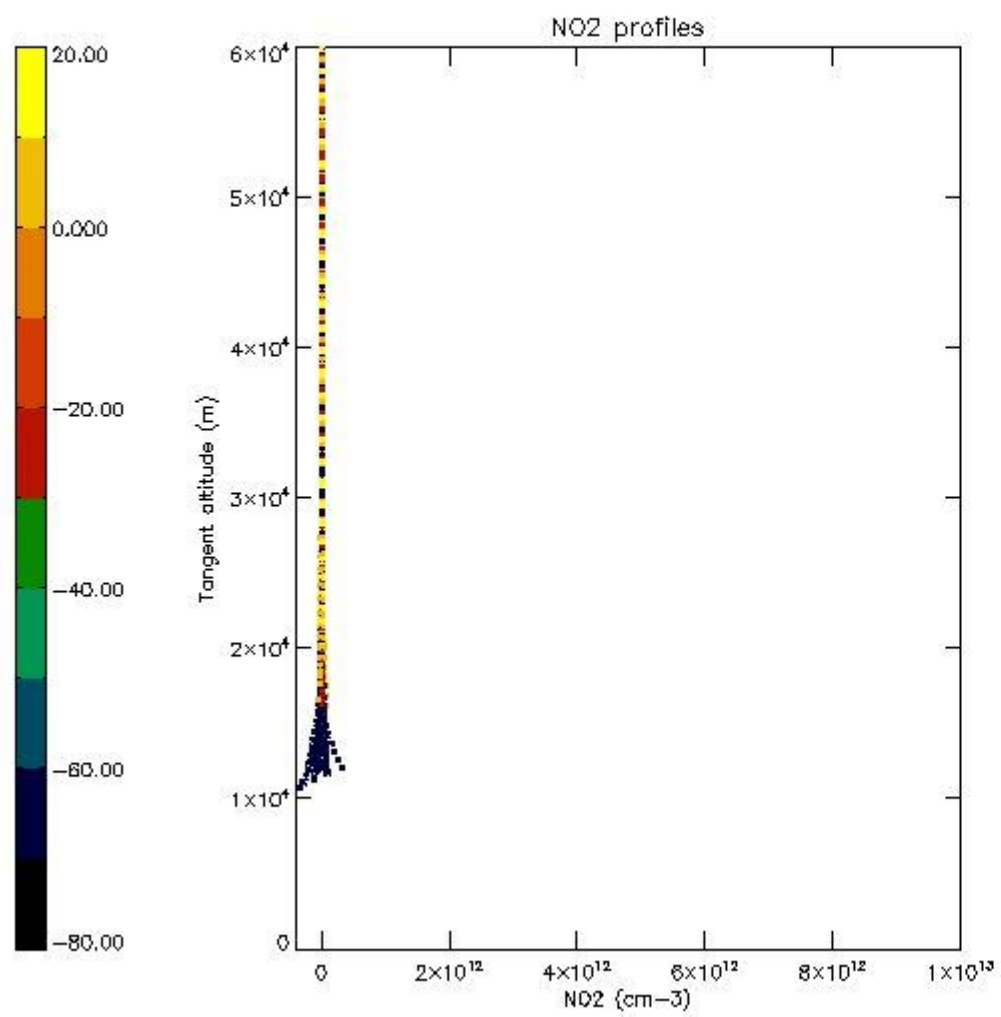
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



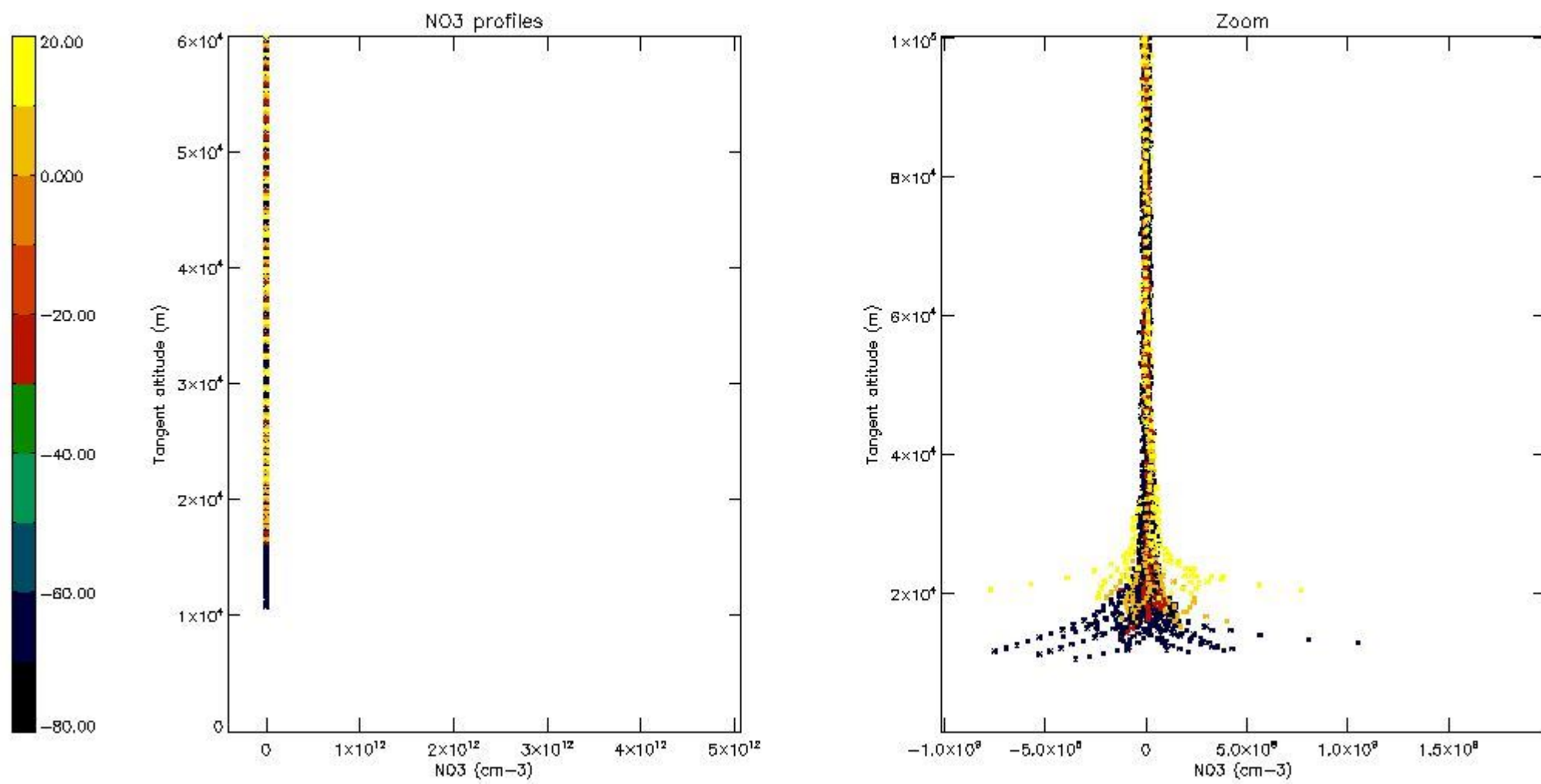
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



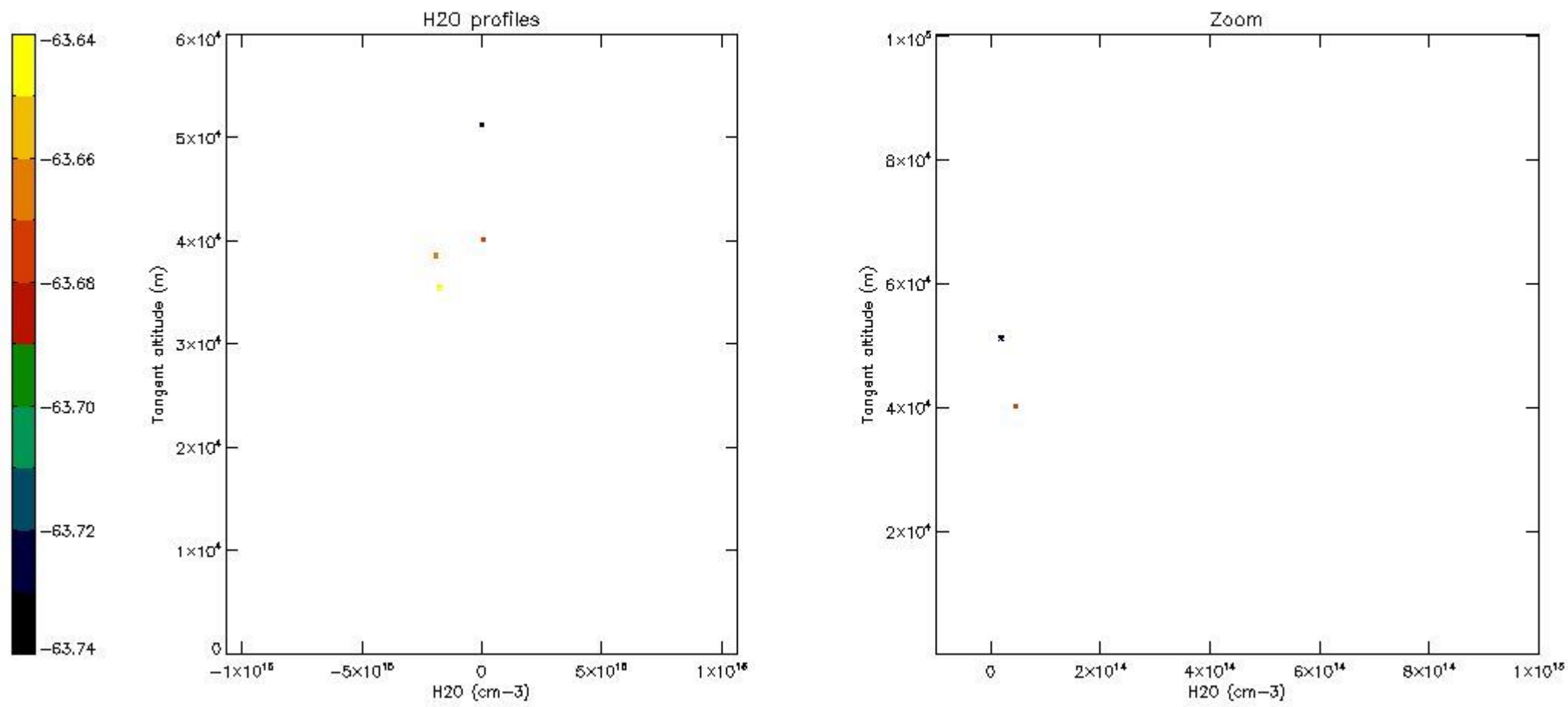
5.7 Plot NO3 profiles for all STD (dark without errors)

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	07-APR-2007 00:01:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-APR-2007 00:01:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-APR-2007 00:01:27

GOMOS Level 2 Daily Report

SUMMARY

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

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

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

Item	Value
Time of report generation	22APR2013 18:09:15
Data source version	GOMOS/6.01
Start time of products	07-04-2007 (07APR2007 00:00:00)
Stop time of products	08-04-2007 (08APR2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	273
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__2PRFIN20070407_000127_000000372057_00059_26666_7459.N1	07-APR-2007 00:01:27	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	26666	No
2	GOM_NL__2PRFIN20070407_000302_000000252057_00059_26666_7460.N1	07-APR-2007 00:03:02	Twilight	25.000	32	77Eps UMa	1.7630	11000.	50	26666	No
3	GOM_NL__2PRFIN20070407_000927_000000392057_00059_26666_7461.N1	07-APR-2007 00:09:27	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26666	No
4	GOM_NL__2PRFIN20070407_001135_000000352057_00059_26666_7462.N1	07-APR-2007 00:11:35	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26666	No
5	GOM_NL__2PRFIN20070407_001911_000000452057_00059_26666_7463.N1	07-APR-2007 00:19:11	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	26666	No
6	GOM_NL__2PRFIN20070407_003505_000000462057_00059_26666_7464.N1	07-APR-2007 00:35:05	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	26666	No
7	GOM_NL__2PRFIN20070407_003734_000000442057_00059_26666_7465.N1	07-APR-2007 00:37:34	Twilight	44.000	162	34Alp Aqr	2.9440	5350.0	88	26666	No
8	GOM_NL__2PRFIN20070407_003950_000000432057_00059_26666_7466.N1	07-APR-2007 00:39:50	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	26666	No
9	GOM_NL__2PRFIN20070407_004220_000000412057_00059_26666_7467.N1	07-APR-2007 00:42:20	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	26666	No
10	GOM_NL__2PRFIN20070407_005439_000000402057_00059_26666_7468.N1	07-APR-2007 00:54:39	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26666	No
11	GOM_NL__2PRFIN20070407_010210_000000382057_00060_26667_7462.N1	07-APR-2007 01:02:10	Dark	37.500	43	Alp TrA	1.9100	4250.0	75	26667	No
12	GOM_NL__2PRFIN20070407_010407_000000382057_00060_26667_7463.N1	07-APR-2007 01:04:07	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	26667	No
13	GOM_NL__2PRFIN20070407_010641_000000542057_00060_26667_7464.N1	07-APR-2007 01:06:41	Straylight	54.000	4	Alp1Cen	-0.010000	5800.0	108	26667	No
14	GOM_NL__2PRFIN20070407_010937_000000452057_00060_26667_7465.N1	07-APR-2007 01:09:37	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	26667	No
15	GOM_NL__2PRFIN20070407_011209_000000392057_00060_26667_7466.N1	07-APR-2007 01:12:09	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	26667	No
16	GOM_NL__2PRFIN20070407_011448_000000432057_00060_26667_7467.N1	07-APR-2007 01:14:48	Straylight	43.000	123	lot Cen	2.7500	10200.	86	26667	No
17	GOM_NL__2PRFIN20070407_011926_000000442057_00060_26667_7468.N1	07-APR-2007 01:19:26	Twilight	44.000	106	9Bet Crv	2.6480	5600.0	88	26667	No
18	GOM_NL__2PRFIN20070407_012120_000000412057_00060_26667_7469.N1	07-APR-2007 01:21:20	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	26667	No
19	GOM_NL__2PRFIN20070407_013046_000000372057_00060_26667_7470.N1	07-APR-2007 01:30:46	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	26667	No
20	GOM_NL__2PRFIN20070407_013230_000000362057_00060_26667_7471.N1	07-APR-2007 01:32:30	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	26667	No
21	GOM_NL__2PRFIN20070407_013914_000000372057_00060_26667_7472.N1	07-APR-2007 01:39:14	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	26667	No
22	GOM_NL__2PRFIN20070407_014203_000000382057_00060_26667_7473.N1	07-APR-2007 01:42:03	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	26667	No
23	GOM_NL__2PRFIN20070407_014337_000000252057_00060_26667_7474.N1	07-APR-2007 01:43:37	Twilight	25.000	32	77Eps UMa	1.7630	11000.	50	26667	No
24	GOM_NL__2PRFIN20070407_015002_000000392057_00060_26667_7475.N1	07-APR-2007 01:50:02	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	26667	No
25	GOM_NL__2PRFIN20070407_015211_000000362057_00060_26667_7476.N1	07-APR-2007 01:52:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26667	No
26	GOM_NL__2PRFIN20070407_015946_000000352057_00060_26667_7477.N1	07-APR-2007 01:59:46	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	26667	No
27	GOM_NL__2PRFIN20070407_021542_000000462057_00060_26667_7478.N1	07-APR-2007 02:15:42	Twilight	45.500	61	8Eps Peg	2.1000	3900.0	91	26667	No
28	GOM_NL__2PRFIN20070407_021811_000000422057_00060_26667_7479.N1	07-APR-2007 02:18:11	Twilight	42.000	162	34Alp Aqr	2.9440	5350.0	84	26667	No
29	GOM_NL__2PRFIN20070407_022026_000000432057_00060_26667_7480.N1	07-APR-2007 02:20:26	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	26667	No
30	GOM_NL__2PRFIN20070407_022256_000000412057_00060_26667_7481.N1	07-APR-2007 02:22:56	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	26667	No
31	GOM_NL__2PRFIN20070407_023515_000000382057_00060_26667_7482.N1	07-APR-2007 02:35:15	Dark	38.000	45	Alp Pav	1.9400	26000.	76	26667	No
32	GOM_NL__2PRFIN20070407_024246_000000412057_00061_26668_7513.N1	07-APR-2007 02:42:46	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	26668	No
33	GOM_NL__2PRFIN20070407_024444_000000382057_00061_26668_7514.N1	07-APR-2007 02:44:44	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	26668	No
34	GOM_NL__2PRFIN20070407_024717_000000432057_00061_26668_7515.N1	07-APR-2007 02:47:17	Straylight	43.000	4	Alp1Cen	-0.010000	5800.0	86	26668	No
35	GOM_NL__2PRFIN20070407_025014_000000432057_00061_26668_7516.N1	07-APR-2007 02:50:14	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	26668	No
36	GOM_NL__2PRFIN20070407_025245_000000402057_00061_26668_7517.N1	07-APR-2007 02:52:45	Straylight	39.500	64	Gam Cen	2.2000	10600.	79	26668	No
37	GOM_NL__2PRFIN20070407_025524_000000422057_00061_26668_7518.N1	07-APR-2007 02:55:24	Straylight	42.000	123	lot Cen	2.7500	10200.	84	26668	No
38	GOM_NL__2PRFIN20070407_030002_000000422057_00061_26668_7519.N1	07-APR-2007 03:00:02	Twilight	42.000	106	9Bet Crv	2.6480	5600.0	84	26668	No
39	GOM_NL__2PRFIN20070407_030156_000000412057_00061_26668_7520.N1	07-APR-2007 03:01:56	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	26668	No
40	GOM_NL__2PRFIN20070407_031122_000000362057_00061_26668_7521.N1	07-APR-2007 03:11:22	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	26668	No
41	GOM_NL__2PRFIN20070407_031306_000000362057_00061_26668_7522.N1	07-APR-2007 03:13:06	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	26668	No
42	GOM_NL__2PRFIN20070407_031950_000000372057_00061_26668_7523.N1	07-APR-2007 03:19:50	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	26668	No

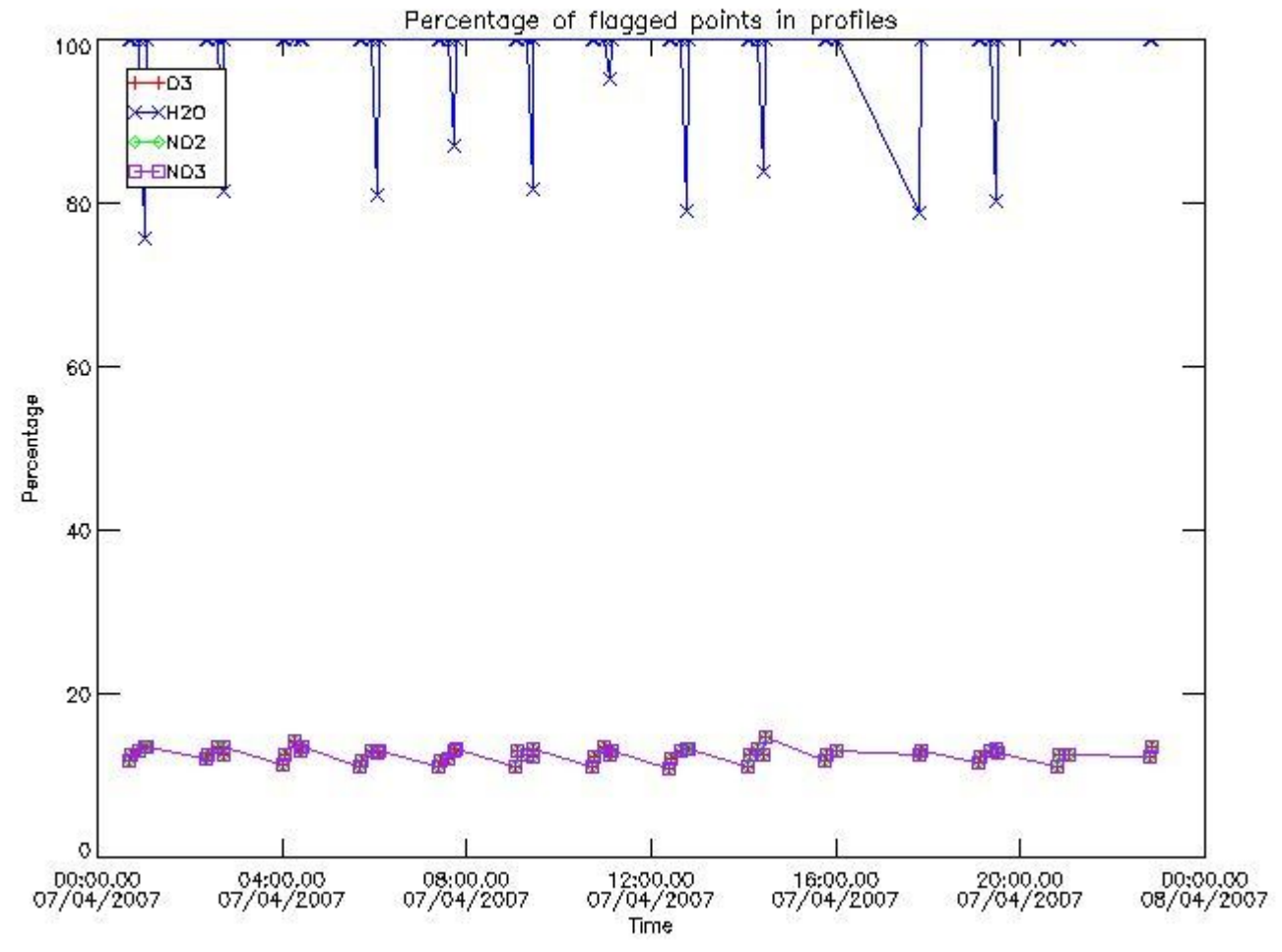
220	GOM_NL__2PRFIN20070407_181206_000000412057_00070_26677_7656.N1	07-APR-2007 18:12:06	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	26677	No
221	GOM_NL__2PRFIN20070407_181645_000000372057_00070_26677_7657.N1	07-APR-2007 18:16:45	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	26677	No
222	GOM_NL__2PRFIN20070407_181830_000000352057_00070_26677_7658.N1	07-APR-2007 18:18:30	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	26677	No
223	GOM_NL__2PRFIN20070407_182514_000000342057_00070_26677_7659.N1	07-APR-2007 18:25:14	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	26677	No
224	GOM_NL__2PRFIN20070407_182801_000000382057_00070_26677_7660.N1	07-APR-2007 18:28:01	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	26677	No
225	GOM_NL__2PRFIN20070407_182933_000000402057_00070_26677_7661.N1	07-APR-2007 18:29:33	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	26677	No
226	GOM_NL__2PRFIN20070407_183559_000000402057_00070_26677_7662.N1	07-APR-2007 18:35:59	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	26677	No
227	GOM_NL__2PRFIN20070407_183811_000000362057_00070_26677_7663.N1	07-APR-2007 18:38:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	26677	No
228	GOM_NL__2PRFIN20070407_184545_000000372057_00070_26677_7664.N1	07-APR-2007 18:45:45	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	26677	No
229	GOM_NL__2PRFIN20070407_185506_000000352057_00070_26677_7665.N1	07-APR-2007 18:55:06	Bright	34.500	164	44Eta Peg	2.9480	5400.0	69	26677	No
230	GOM_NL__2PRFIN20070407_190145_000000482057_00070_26677_7666.N1	07-APR-2007 19:01:45	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	26677	No
231	GOM_NL__2PRFIN20070407_190413_000000432057_00070_26677_7667.N1	07-APR-2007 19:04:13	Twilight	43.000	162	34Alp Aqr	2.9440	5350.0	86	26677	No
232	GOM_NL__2PRFIN20070407_190630_000000442057_00070_26677_7668.N1	07-APR-2007 19:06:30	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	26677	No
233	GOM_NL__2PRFIN20070407_190900_000000422057_00070_26677_7669.N1	07-APR-2007 19:09:00	Dark	41.500	142	49Del Cap	2.8500	8900.0	83	26677	No
234	GOM_NL__2PRFIN20070407_192119_000000392057_00070_26677_7670.N1	07-APR-2007 19:21:19	Dark	39.000	45	Alp Pav	1.9400	26000.	78	26677	No
235	GOM_NL__2PRFIN20070407_192850_000000392057_00071_26678_7663.N1	07-APR-2007 19:28:50	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	26678	No
236	GOM_NL__2PRFIN20070407_193048_000000402057_00071_26678_7664.N1	07-APR-2007 19:30:48	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	26678	No
237	GOM_NL__2PRFIN20070407_193321_000000402057_00071_26678_7665.N1	07-APR-2007 19:33:21	Straylight	40.000	4	Alp1Cen	-0.010000	5800.0	80	26678	No
238	GOM_NL__2PRFIN20070407_193619_000000422057_00071_26678_7666.N1	07-APR-2007 19:36:19	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	26678	No
239	GOM_NL__2PRFIN20070407_193847_000000392057_00071_26678_7667.N1	07-APR-2007 19:38:47	Straylight	38.500	64	Gam Cen	2.2000	10600.	77	26678	No
240	GOM_NL__2PRFIN20070407_194127_000000412057_00071_26678_7668.N1	07-APR-2007 19:41:27	Straylight	40.500	123	1ot Cen	2.7500	10200.	81	26678	No
241	GOM_NL__2PRFIN20070407_194604_000000412057_00071_26678_7669.N1	07-APR-2007 19:46:04	Twilight	40.500	106	9Bet Crv	2.6480	5600.0	81	26678	No
242	GOM_NL__2PRFIN20070407_194757_000000372057_00071_26678_7670.N1	07-APR-2007 19:47:57	Twilight	37.000	100	4Gam Crv	2.5800	13100.	74	26678	No
243	GOM_NL__2PRFIN20070407_195242_000000392057_00071_26678_7671.N1	07-APR-2007 19:52:42	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	26678	No
244	GOM_NL__2PRFIN20070407_195721_000000362057_00071_26678_7672.N1	07-APR-2007 19:57:21	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	26678	No
245	GOM_NL__2PRFIN20070407_195906_000000352057_00071_26678_7673.N1	07-APR-2007 19:59:06	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	26678	No
246	GOM_NL__2PRFIN20070407_200550_000000362057_00071_26678_7674.N1	07-APR-2007 20:05:50	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	26678	No
247	GOM_NL__2PRFIN20070407_200837_000000372057_00071_26678_7675.N1	07-APR-2007 20:08:37	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	26678	No
248	GOM_NL__2PRFIN20070407_201009_000000392057_00071_26678_7676.N1	07-APR-2007 20:10:09	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	26678	No
249	GOM_NL__2PRFIN20070407_201634_000000382057_00071_26678_7677.N1	07-APR-2007 20:16:34	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	26678	No
250	GOM_NL__2PRFIN20070407_201847_000000362057_00071_26678_7678.N1	07-APR-2007 20:18:47	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26678	No
251	GOM_NL__2PRFIN20070407_202621_000000442057_00071_26678_7679.N1	07-APR-2007 20:26:21	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	26678	No
252	GOM_NL__2PRFIN20070407_203542_000000342057_00071_26678_7680.N1	07-APR-2007 20:35:42	Bright	34.000	164	44Eta Peg	2.9480	5400.0	68	26678	No
253	GOM_NL__2PRFIN20070407_204221_000000482057_00071_26678_7681.N1	07-APR-2007 20:42:21	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	26678	No
254	GOM_NL__2PRFIN20070407_204449_000000422057_00071_26678_7682.N1	07-APR-2007 20:44:49	Twilight	42.000	162	34Alp Aqr	2.9440	5350.0	84	26678	No
255	GOM_NL__2PRFIN20070407_204706_000000462057_00071_26678_7683.N1	07-APR-2007 20:47:06	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	26678	No
256	GOM_NL__2PRFIN20070407_204936_000000412057_00071_26678_7684.N1	07-APR-2007 20:49:36	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	26678	No
257	GOM_NL__2PRFIN20070407_210155_000000402057_00071_26678_7685.N1	07-APR-2007 21:01:55	Dark	40.000	45	Alp Pav	1.9400	26000.	80	26678	No
258	GOM_NL__2PRFIN20070407_224920_000000462057_00073_26680_7703.N1	07-APR-2007 22:49:20	Dark	45.500	141	Bet Ara	2.8400	4600.0	91	26680	No
259	GOM_NL__2PRFIN20070407_225201_000000382057_00073_26680_7704.N1	07-APR-2007 22:52:01	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	26680	No
260	GOM_NL__2PRFIN20070407_225434_000000462057_00073_26680_7705.N1	07-APR-2007 22:54:34	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	26680	No
261	GOM_NL__2PRFIN20070407_225732_000000432057_00073_26680_7706.N1	07-APR-2007 22:57:32	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	26680	No
262	GOM_NL__2PRFIN20070407_225908_000000452057_00073_26680_7707.N1	07-APR-2007 22:59:08	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	26680	No
263	GOM_NL__2PRFIN20070407_230142_000000482057_00073_26680_7708.N1	07-APR-2007 23:01:42	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	26680	No
264	GOM_NL__2PRFIN20070407_230716_000000422057_00073_26680_7709.N1	07-APR-2007 23:07:16	Twilight	42.000	106	9Bet Crv	2.6480	5600.0	84	26680	No
265	GOM_NL__2PRFIN20070407_230909_000000402057_00073_26680_7710.N1	07-APR-2007 23:09:09	Twilight	40.000	100	4Gam Crv	2.5800	13100.	80	26680	No
266	GOM_NL__2PRFIN20070407_231354_000000402057_00073_26680_7711.N1	07-APR-2007 23:13:54	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	26680	No
267	GOM_NL__2PRFIN20070407_231833_000000372057_00073_26680_7712.N1	07-APR-2007 23:18:33	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	26680	No
268	GOM_NL__2PRFIN20070407_232702_000000362057_00073_26680_7713.N1	07-APR-2007 23:27:02	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	26680	No
269	GOM_NL__2PRFIN20070407_232948_000000352057_00073_26680_7714.N1	07-APR-2007 23:29:48	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	26680	No
270	GOM_NL__2PRFIN20070407_233120_000000392057_00073_26680_7715.N1	07-APR-2007 23:31:20	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	26680	No
271	GOM_NL__2PRFIN20070407_233746_000000402057_00073_26680_7716.N1	07-APR-2007 23:37:46	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	26680	No
272	GOM_NL__2PRFIN20070407_233959_000000322057_00073_26680_7717.N1	07-APR-2007 23:39:59	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	26680	No
273	GOM_NL__2PRFIN20070407_234732_000000372057_00073_26680_7718.N1	07-APR-2007 23:47:32	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	26680	No

3. Quality information per product

In this section it is plotted some information contained in the Quality Summary data set of

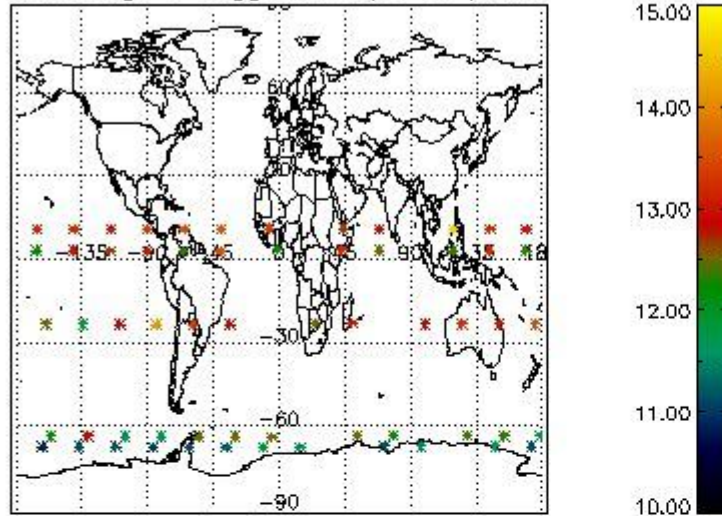
the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

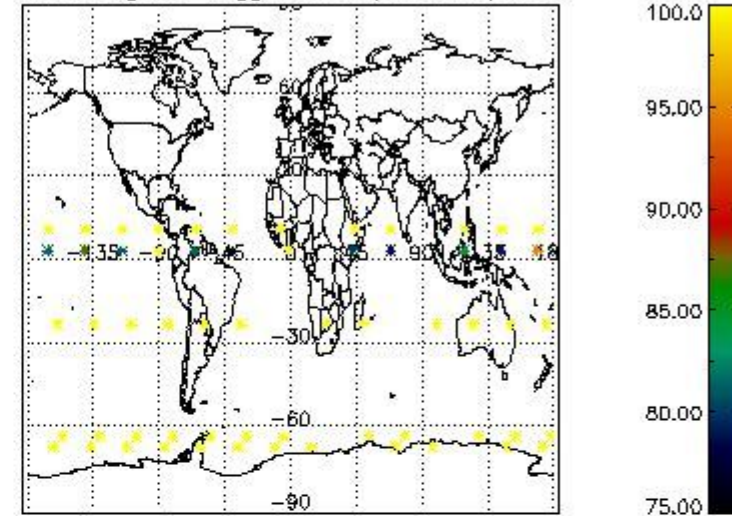


3.2 Plot quality information per product (world map)

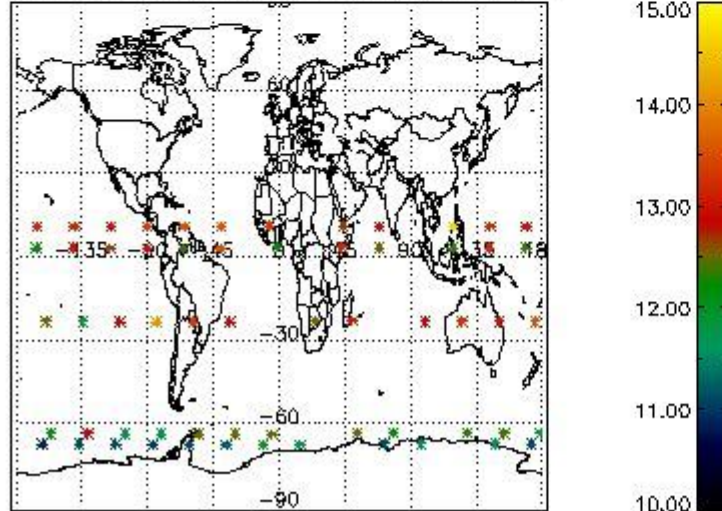
Percentage of flagged data per O3 profile



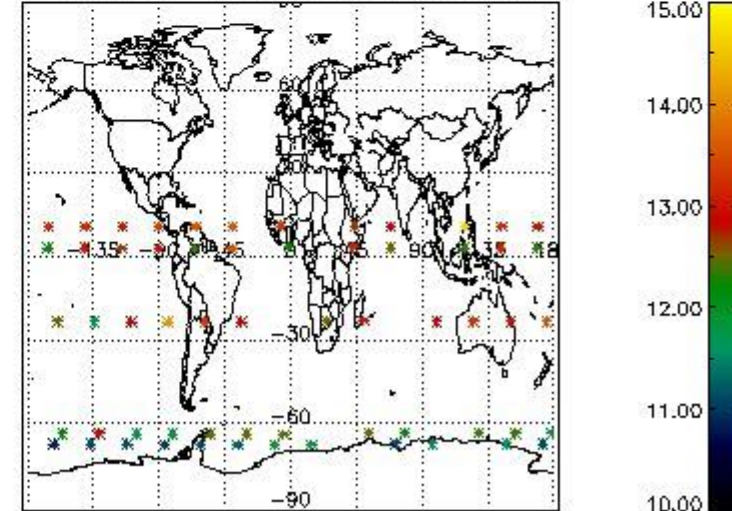
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

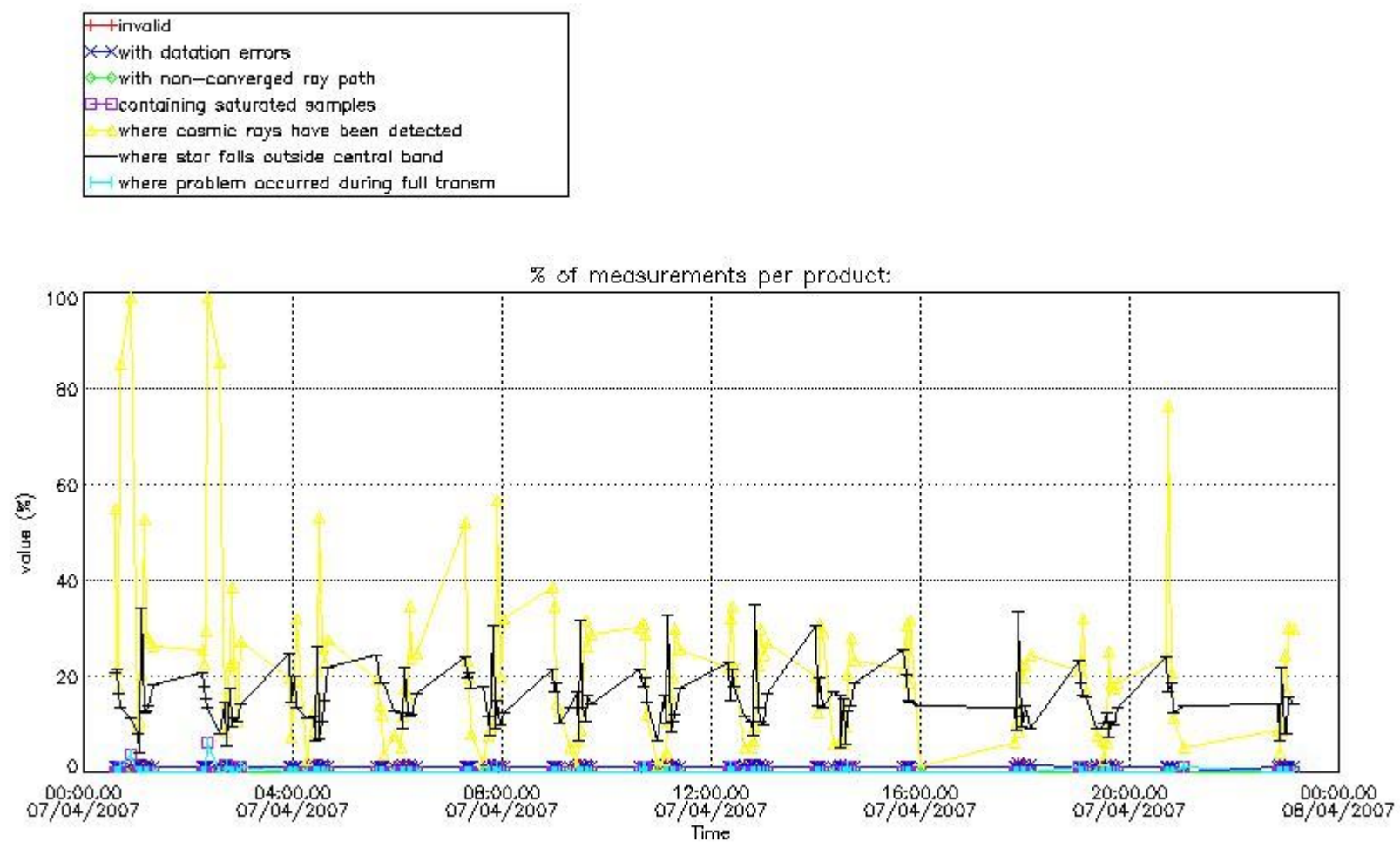


4. Level 1 quality information per product

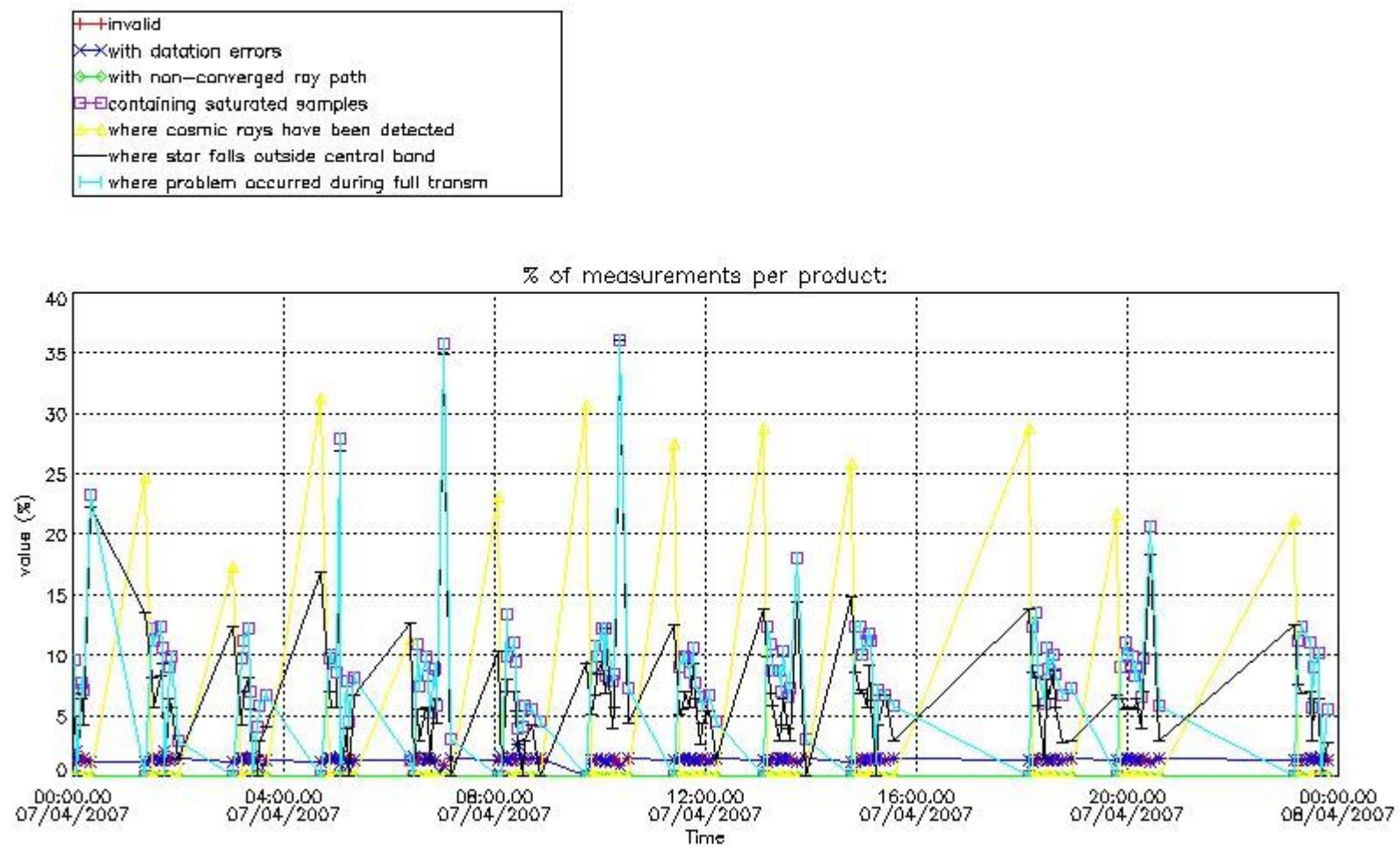
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



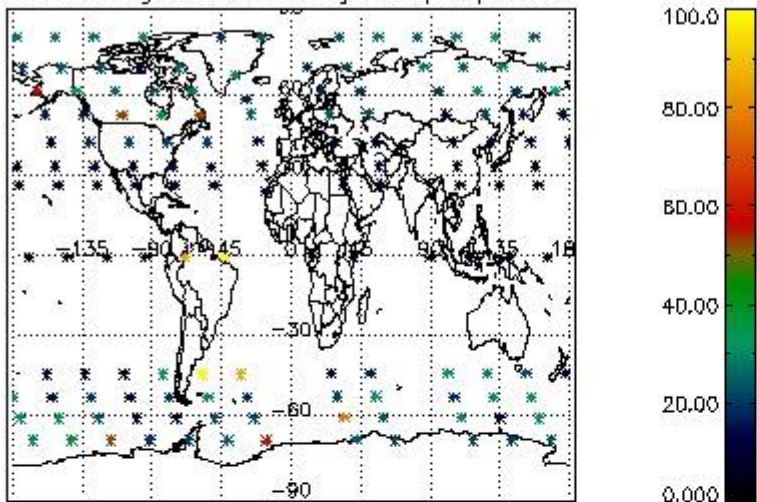
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



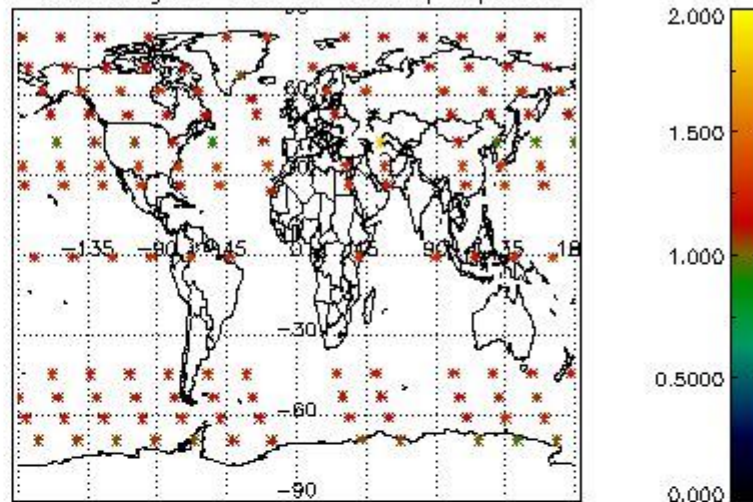
4.2 Plot quality information per product coming from level 1b processing (world map)

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

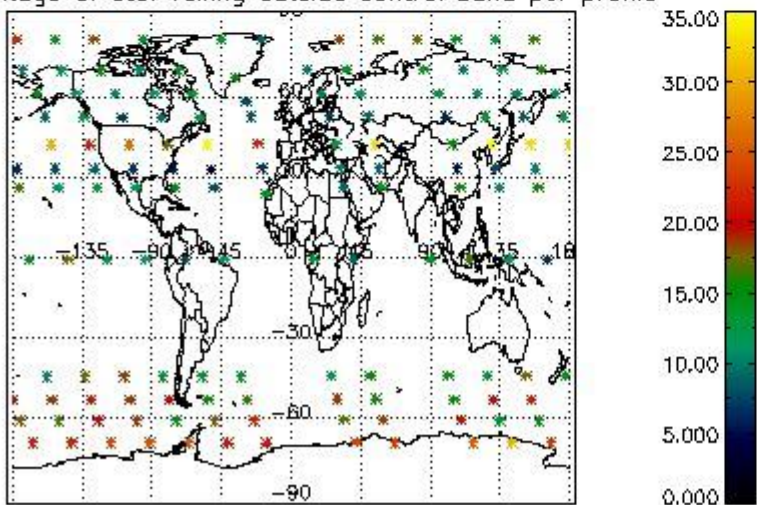
Percentage of cosmic ray hits per profile



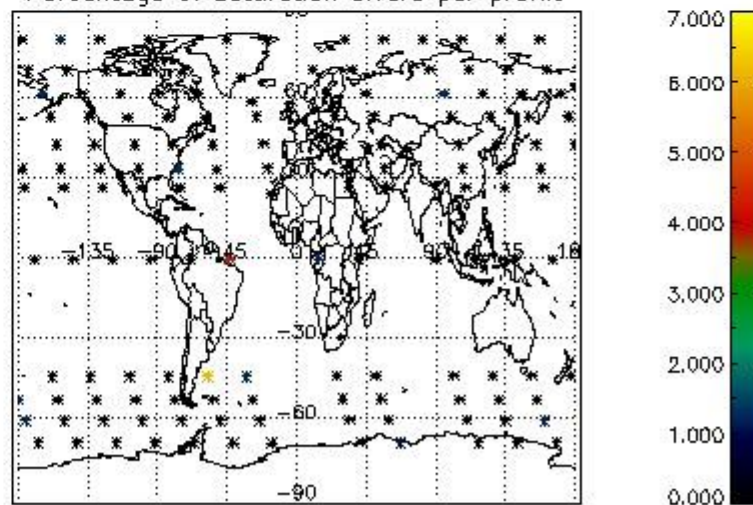
Percentage of datation errors per profile



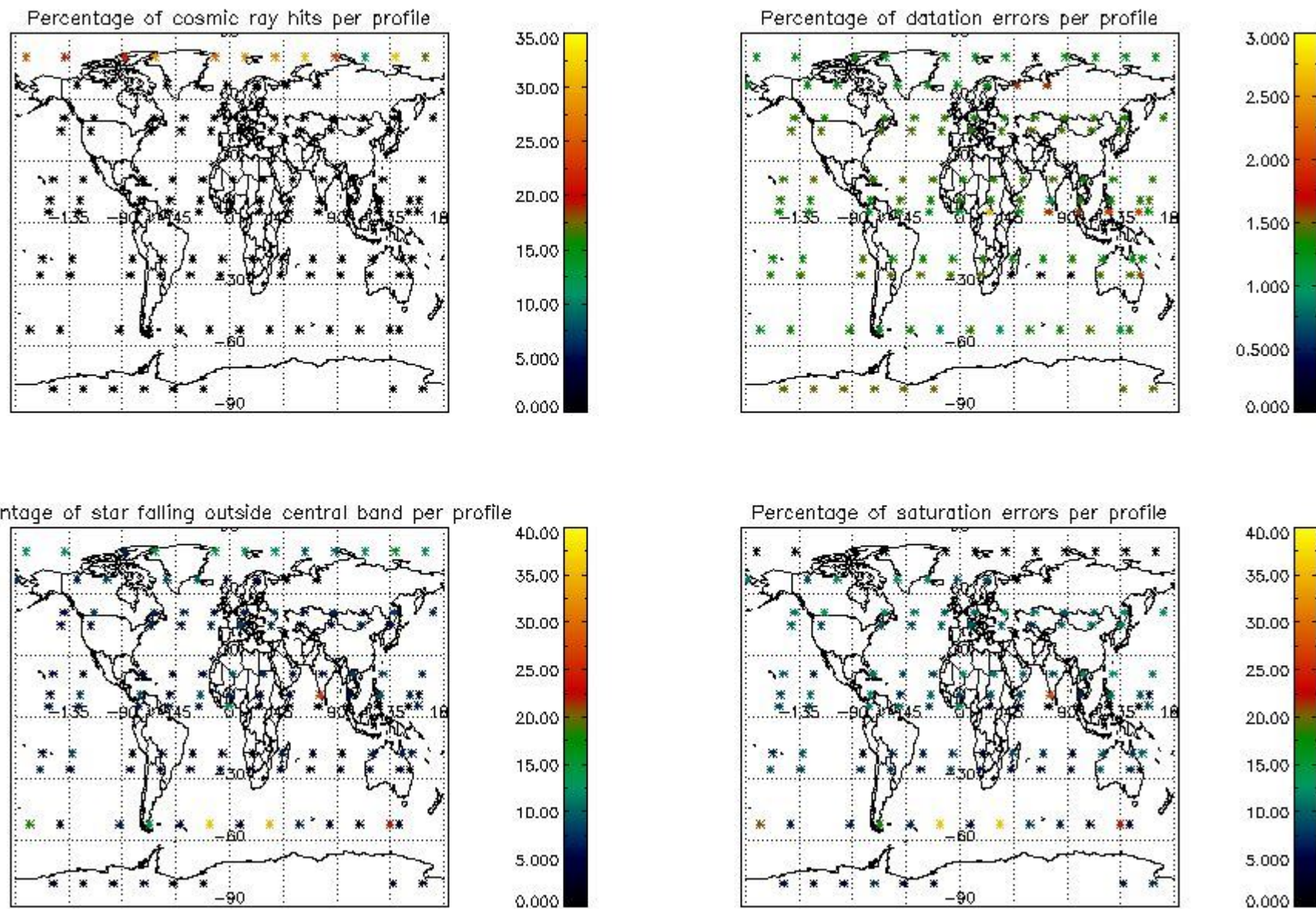
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

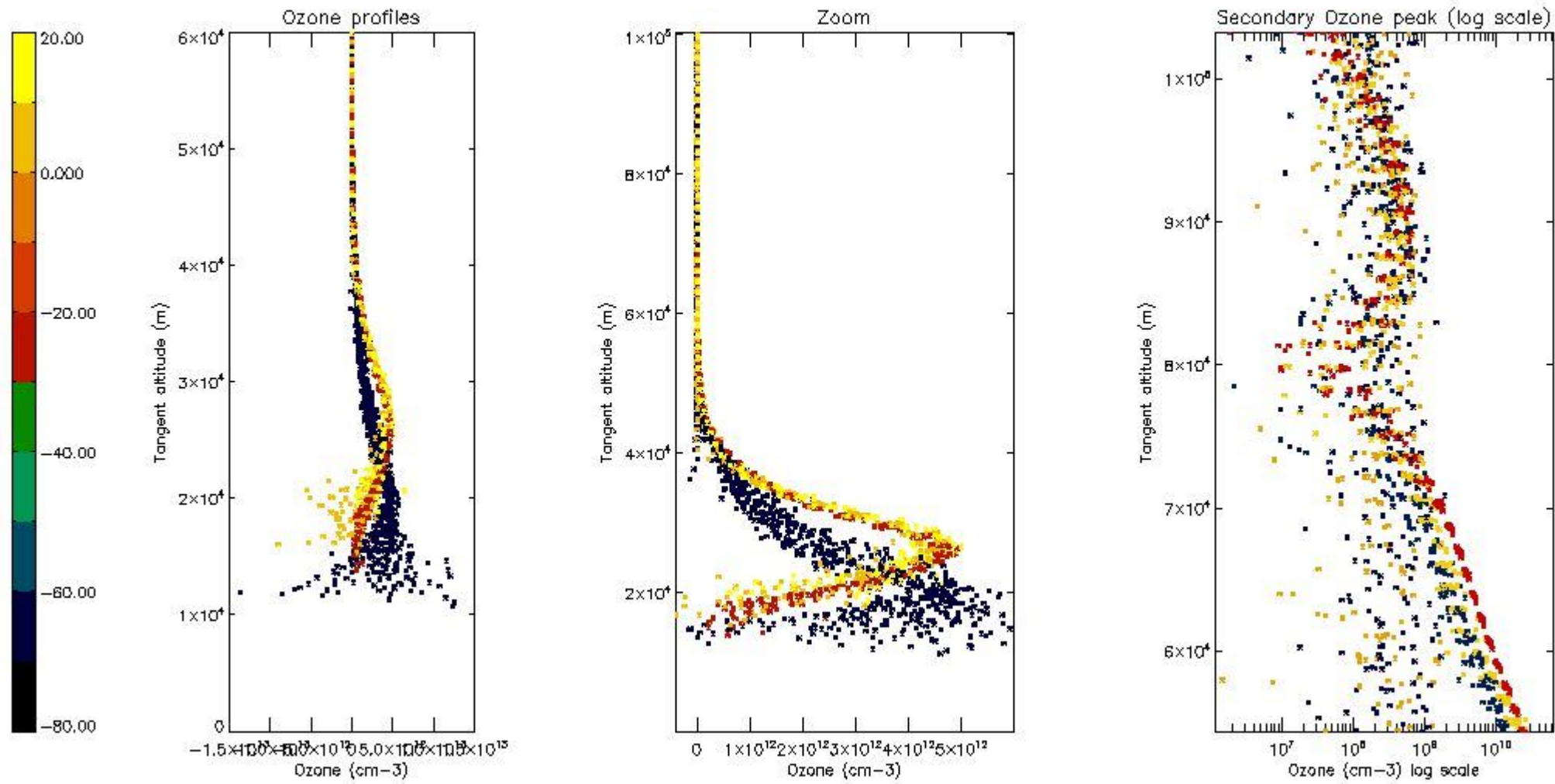
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	10

STD < 10	6
STD < 5	2

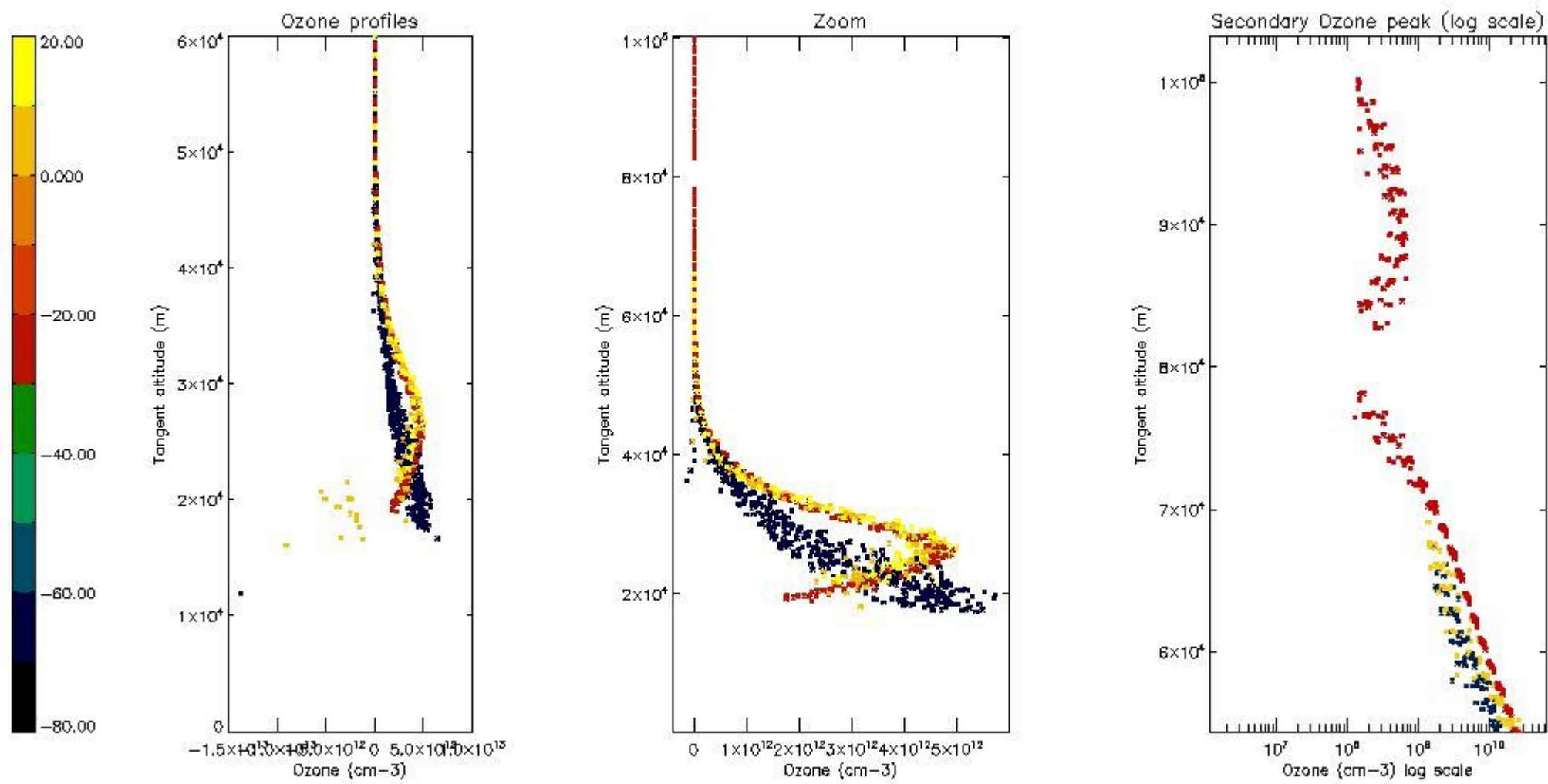
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



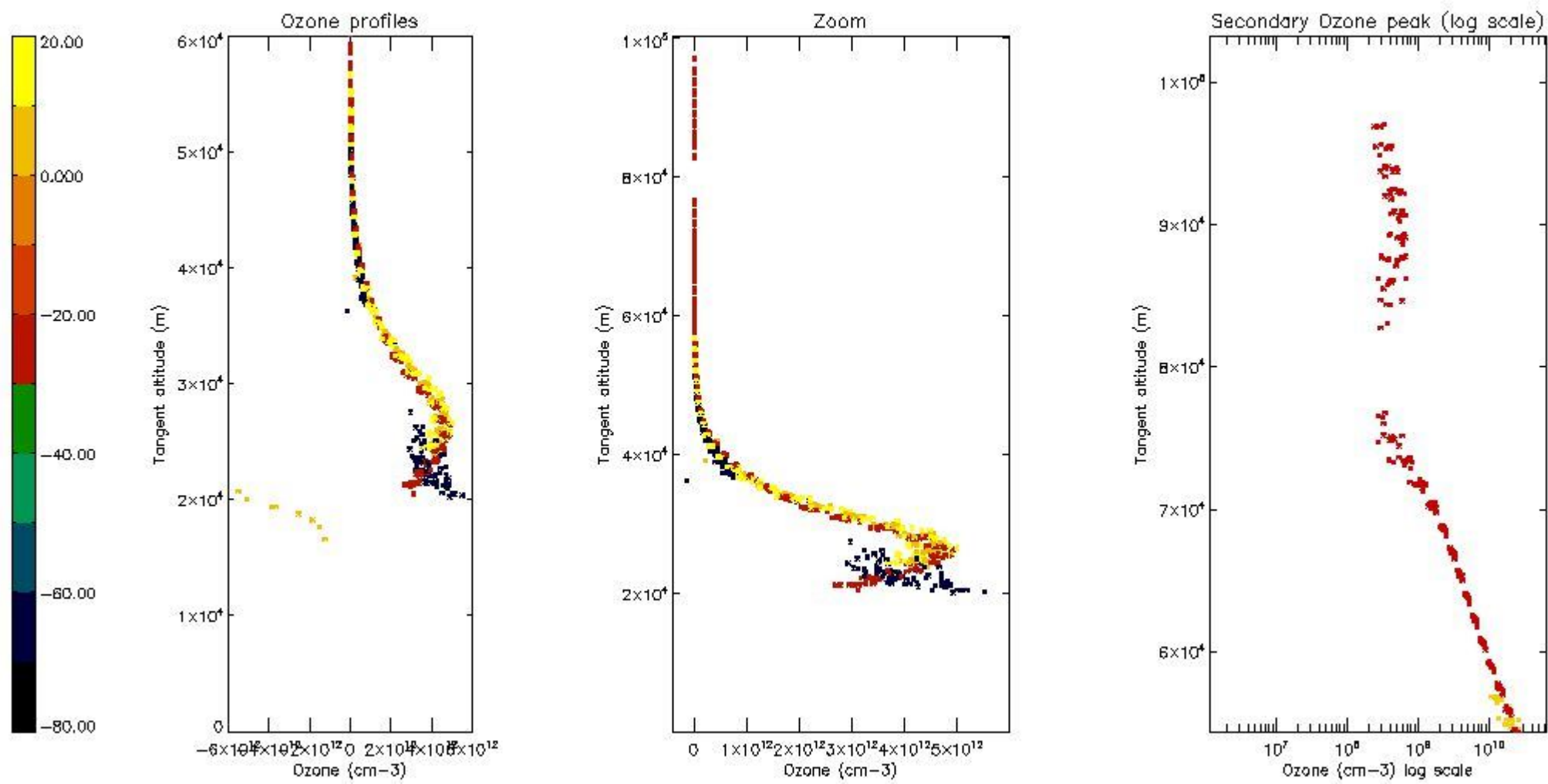
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



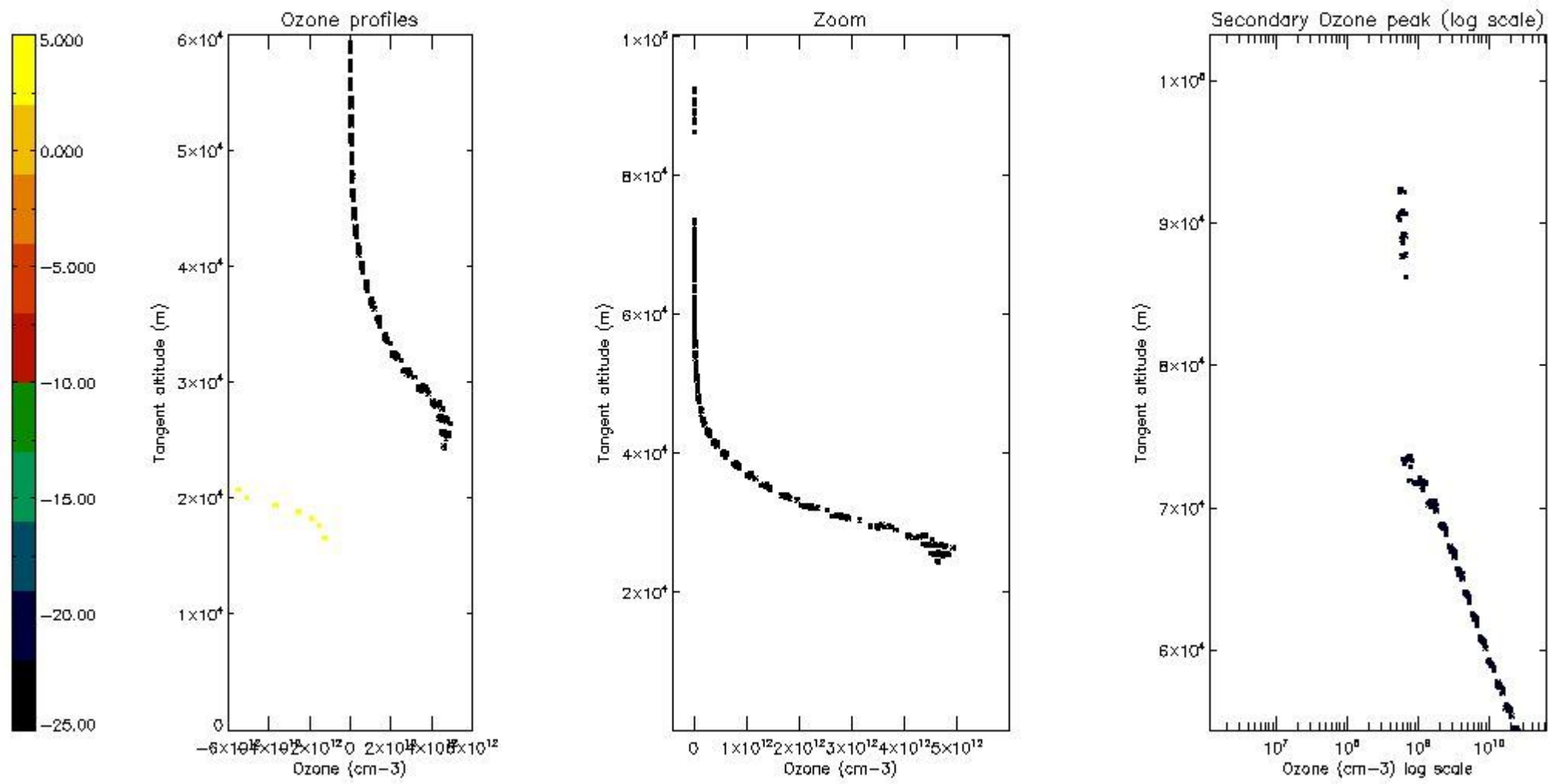
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



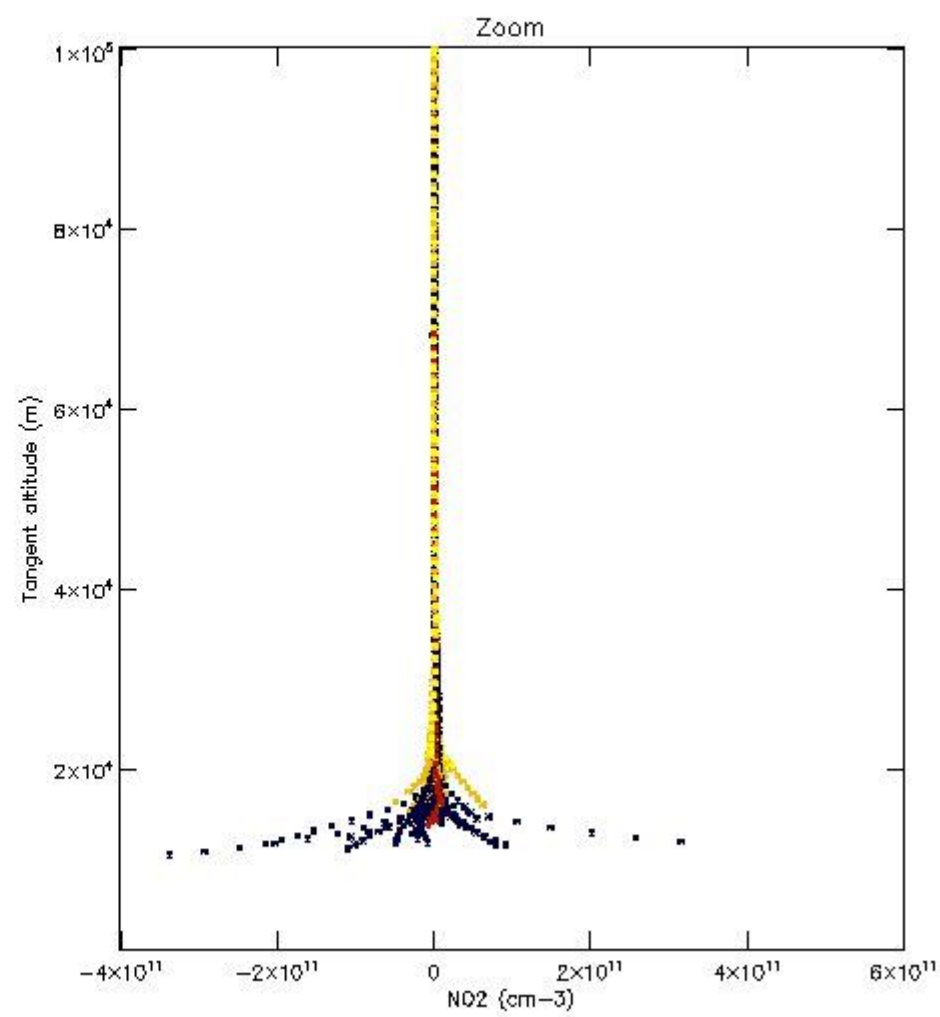
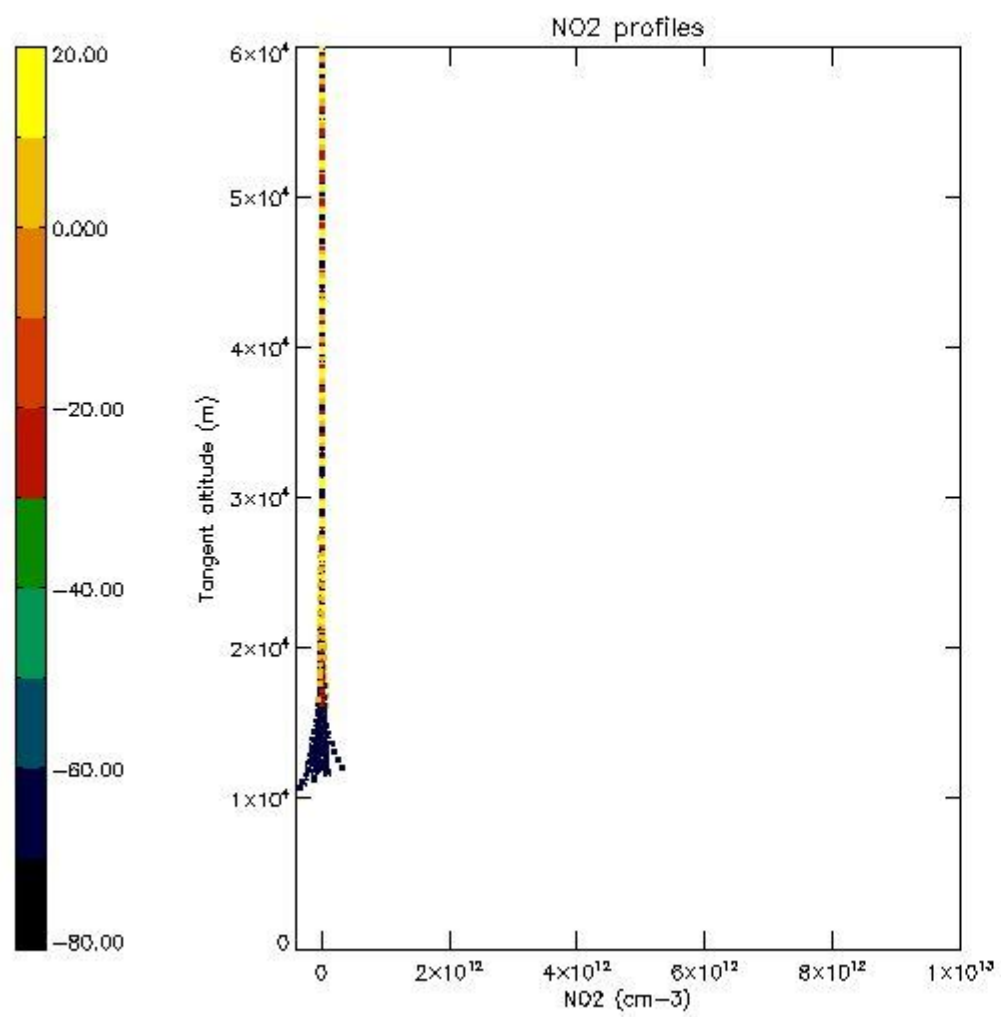
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



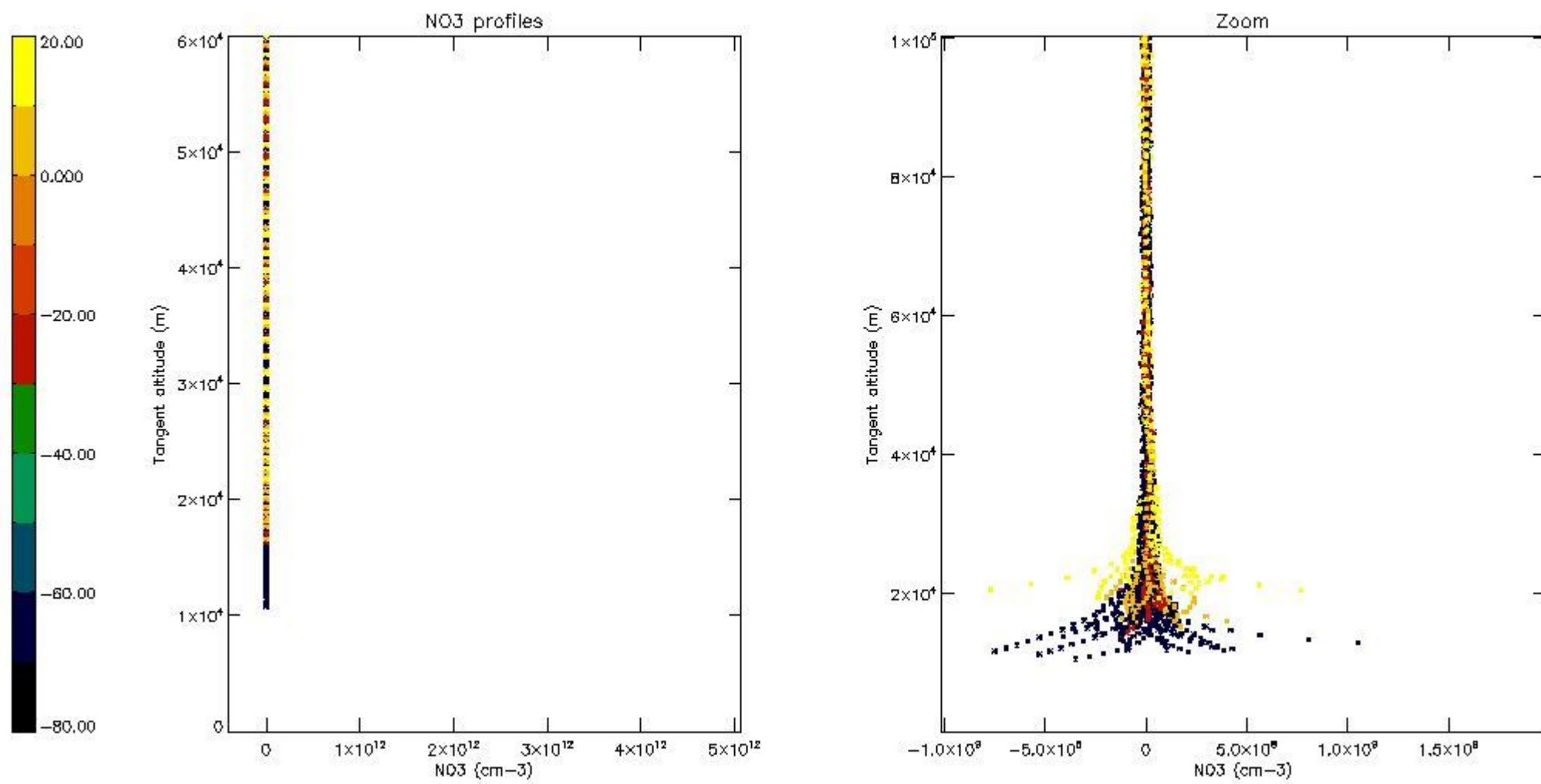
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



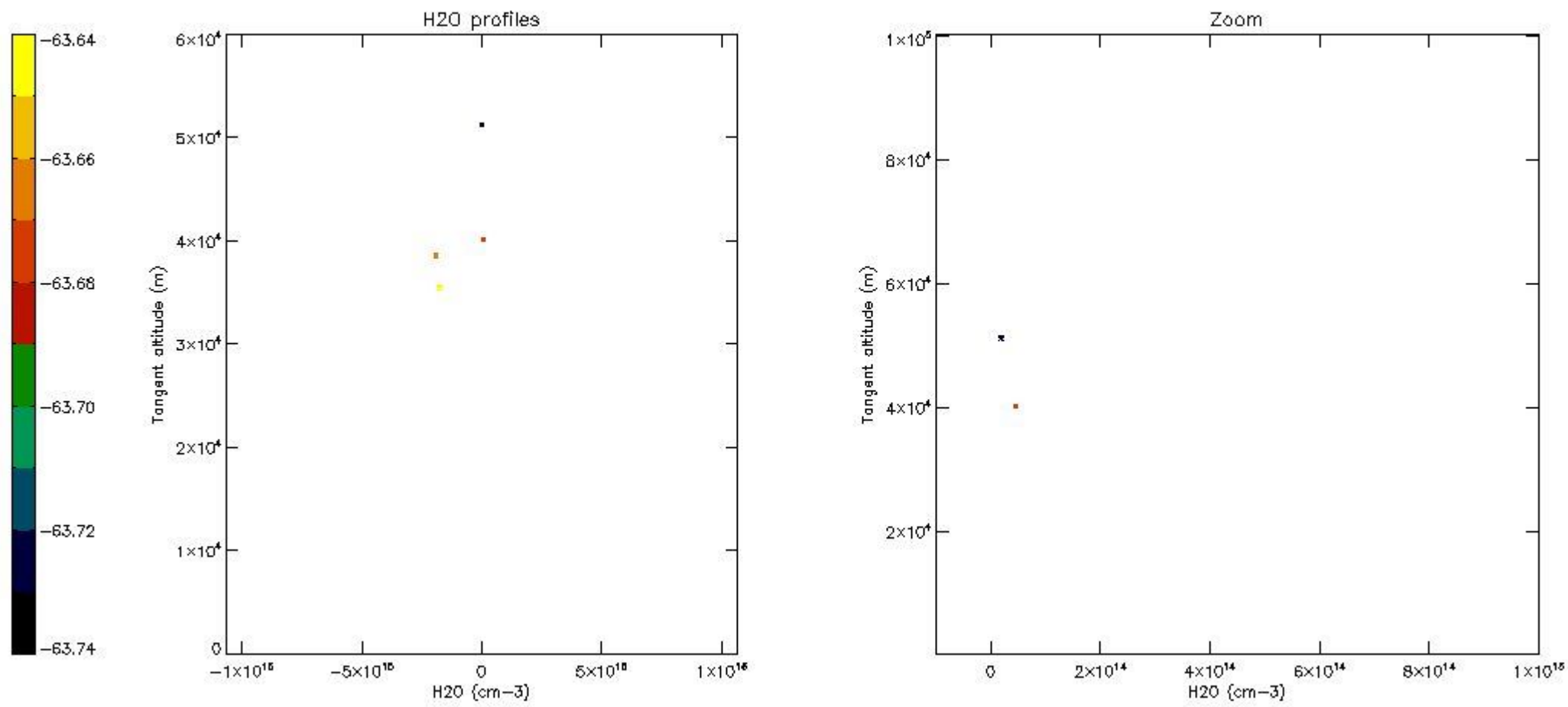
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

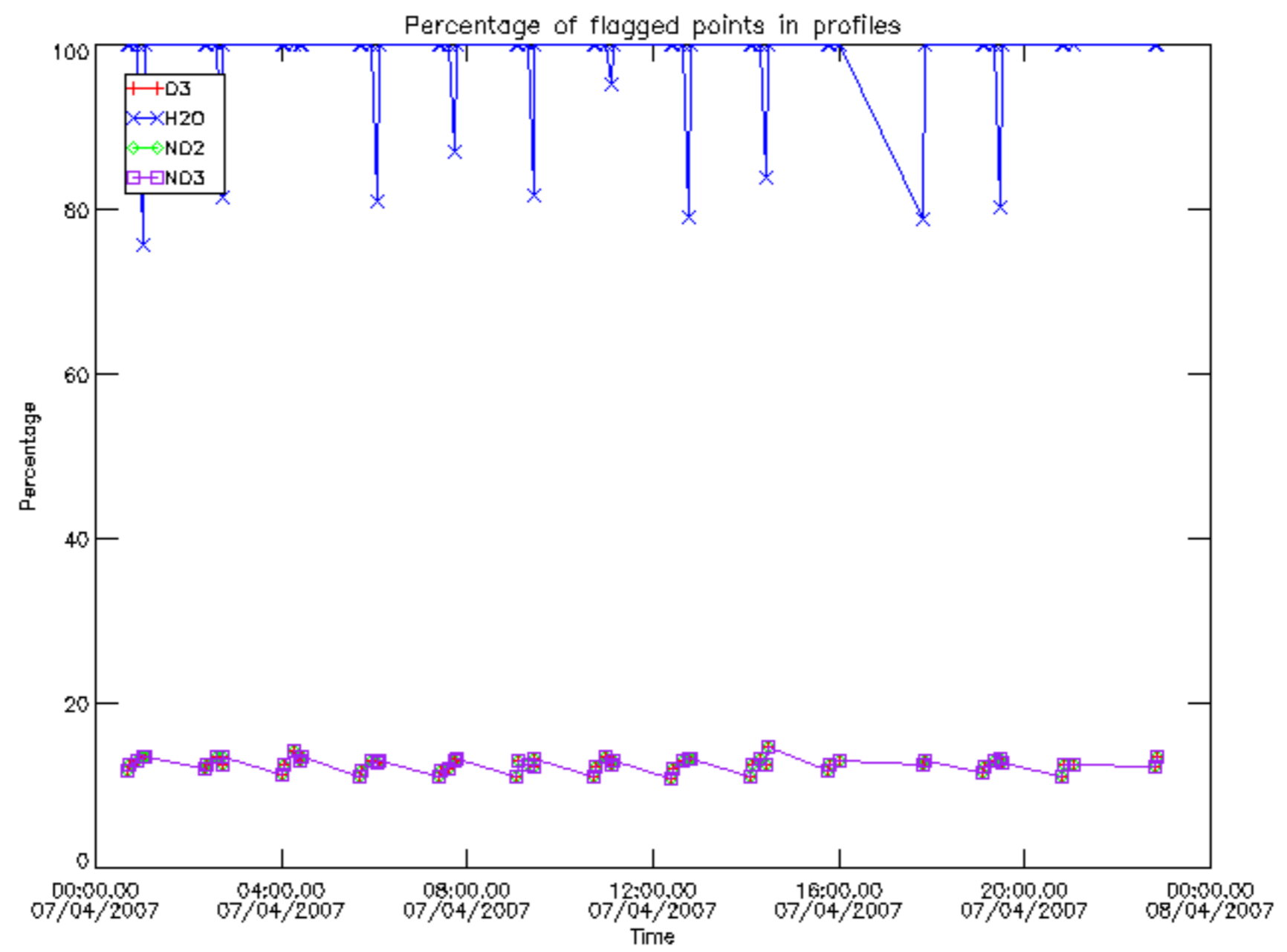
The colorbar represents the latitude.



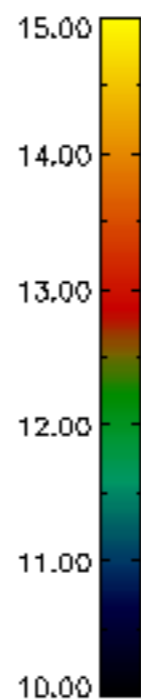
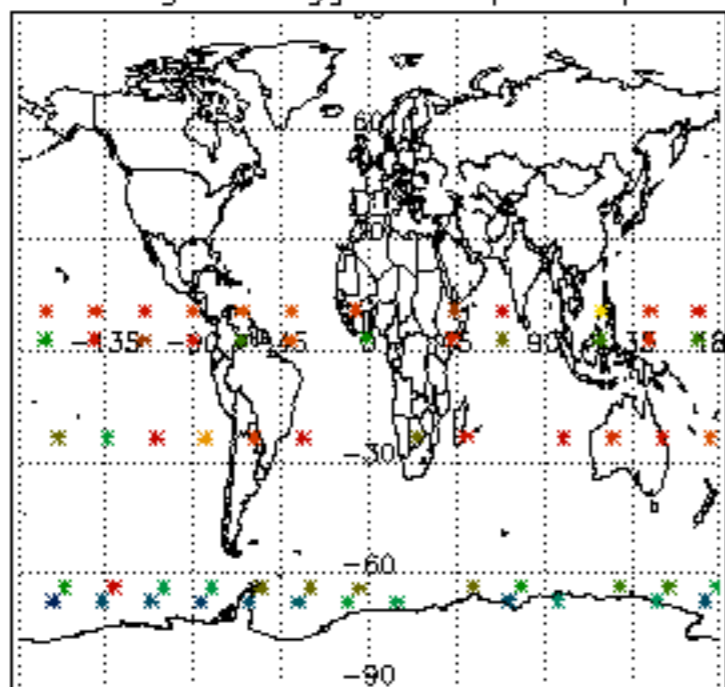
6. Auxiliary Data Files used for the production reported in section 2

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.

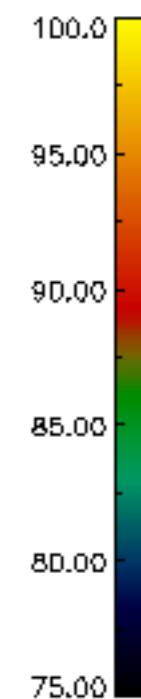
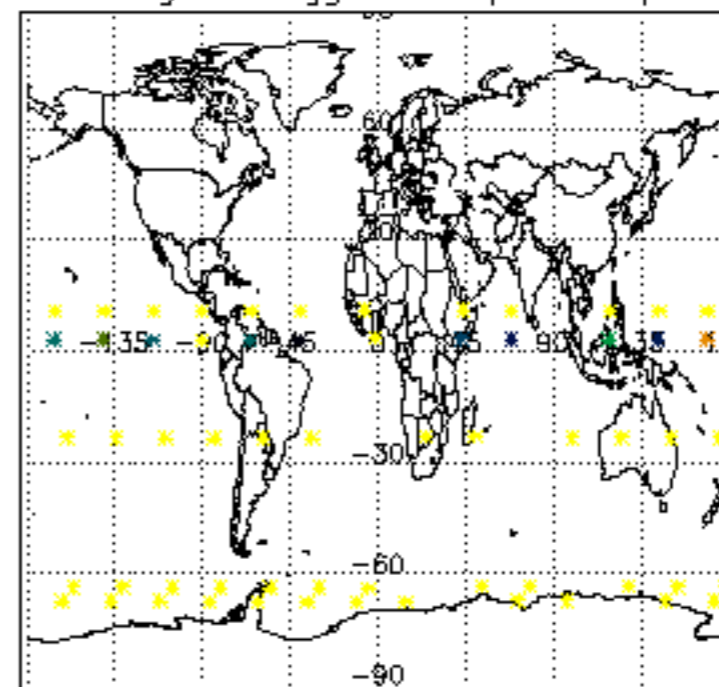
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-APR-2007 00:01:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-APR-2007 00:01:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-APR-2007 00:01:27



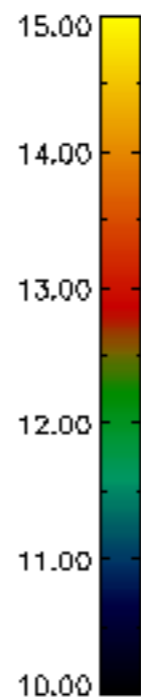
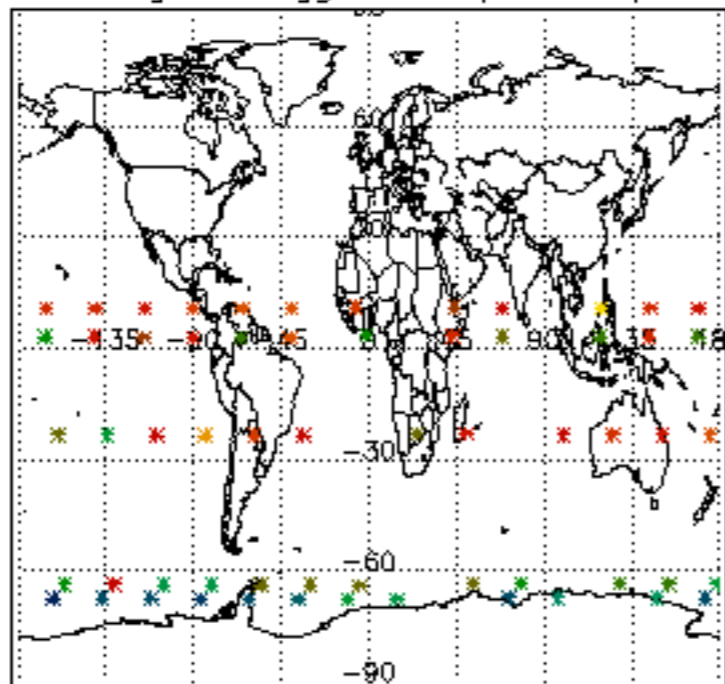
Percentage of flagged data per D3 profile



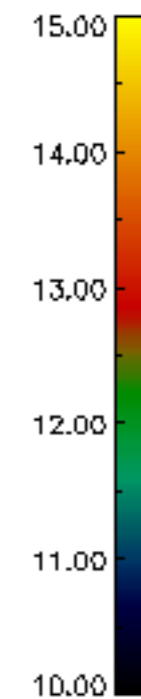
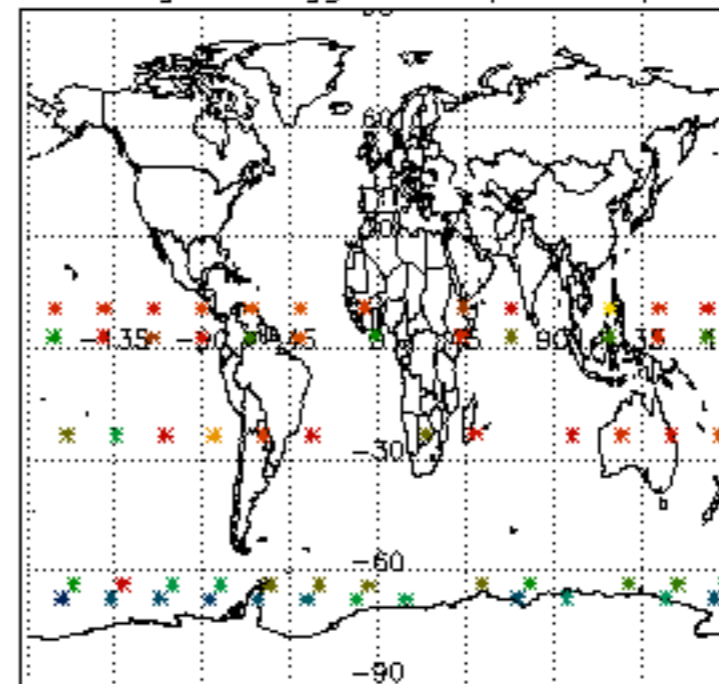
Percentage of flagged data per H2O profile

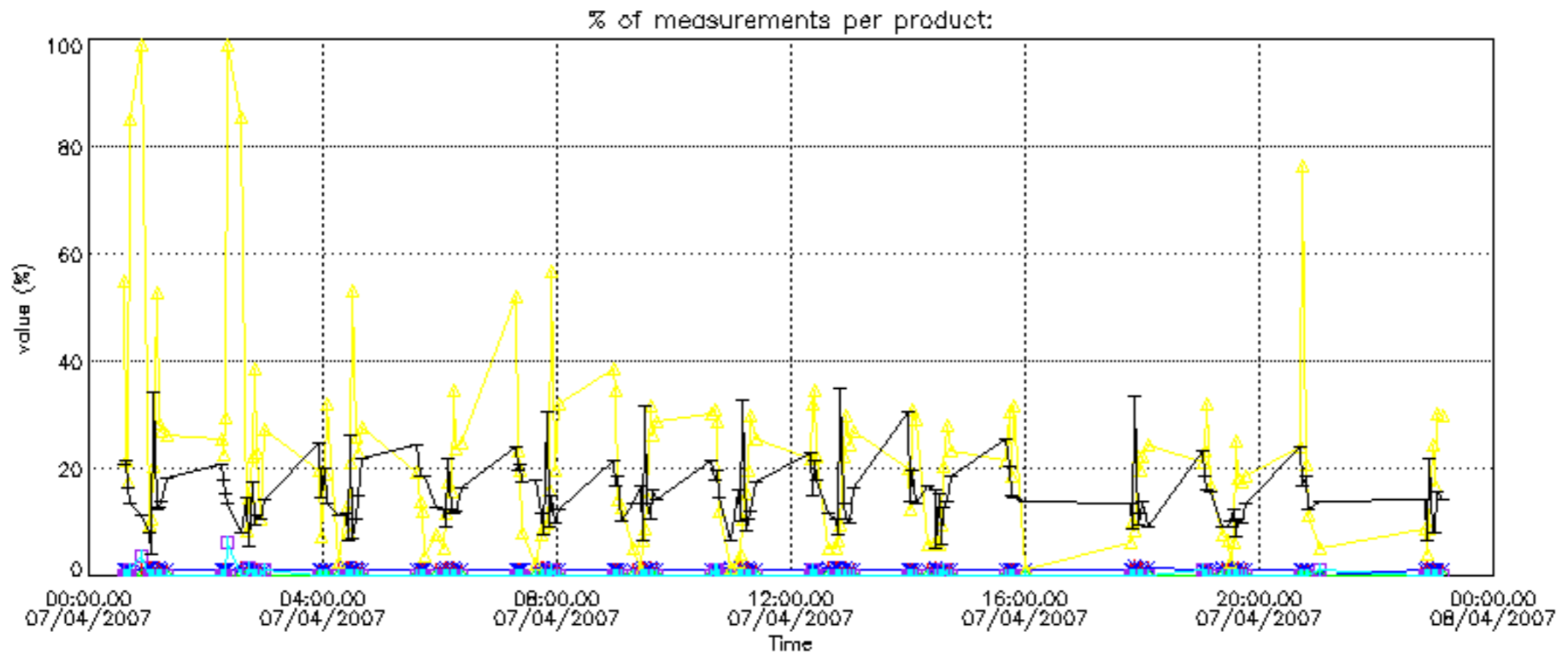


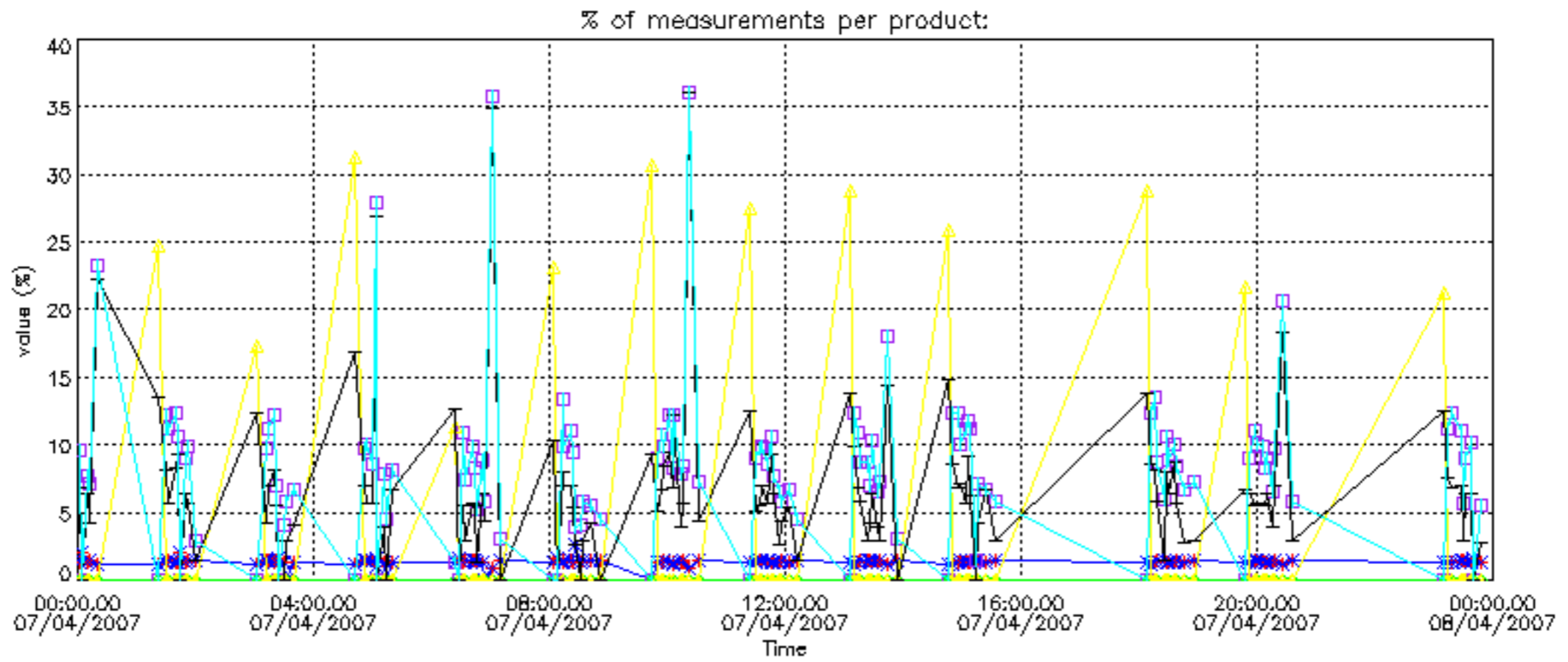
Percentage of flagged data per NO2 profile



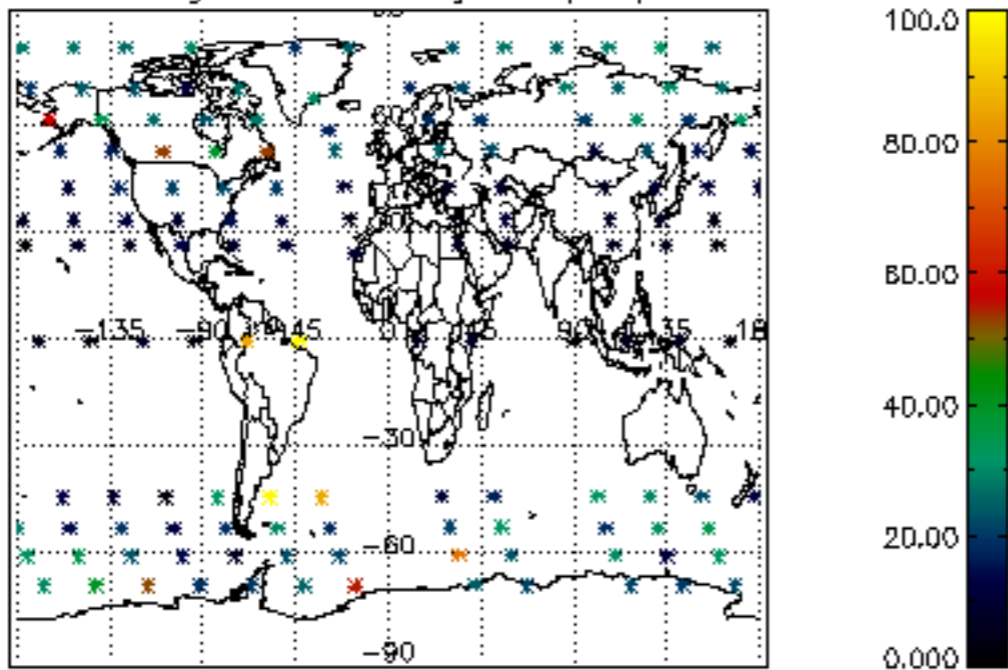
Percentage of flagged data per NO3 profile



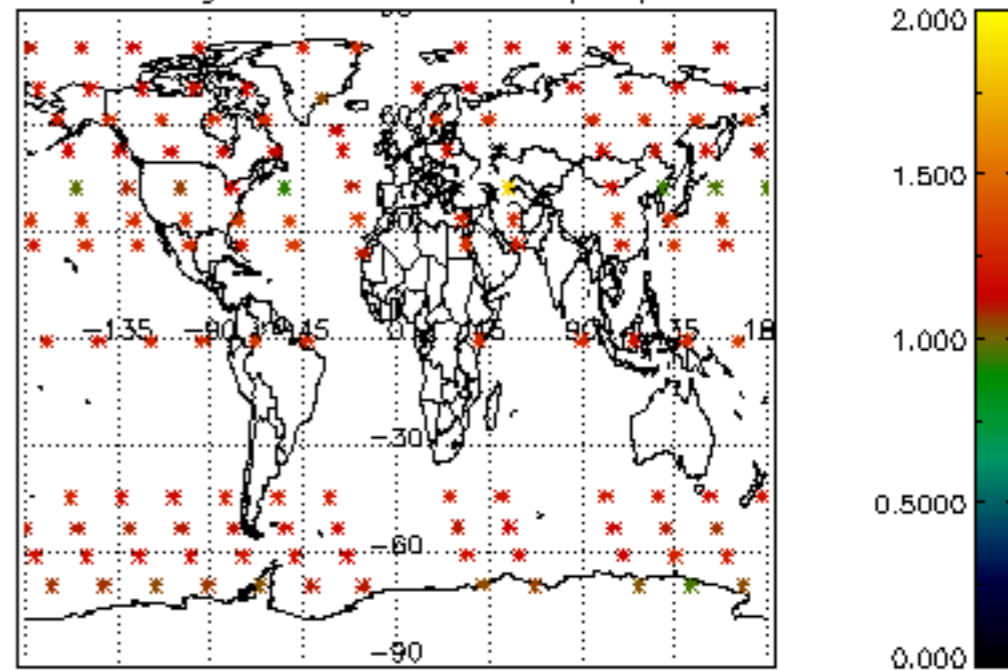




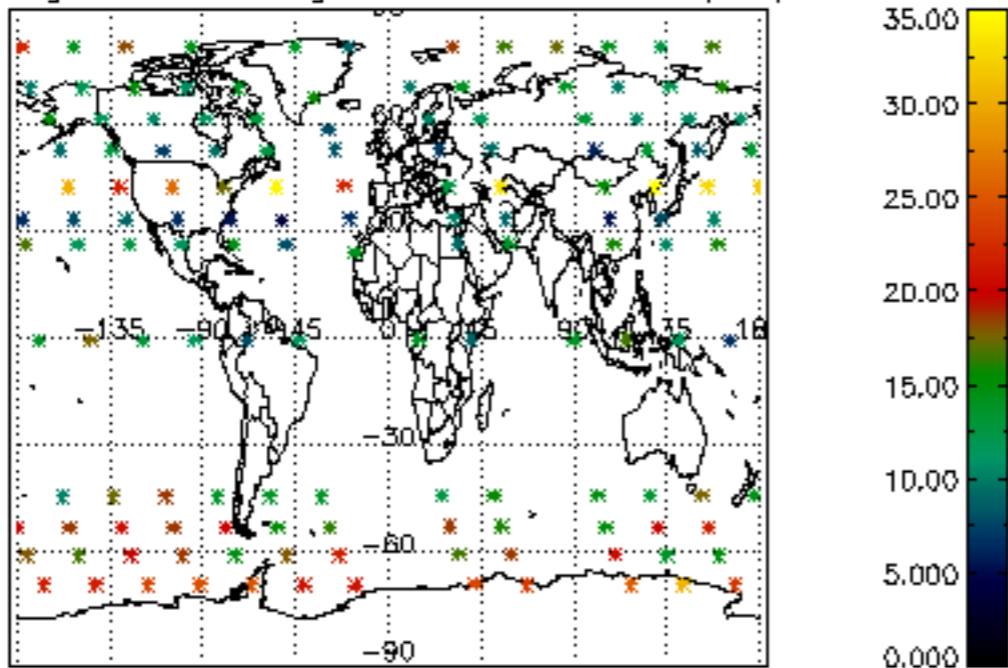
Percentage of cosmic ray hits per profile



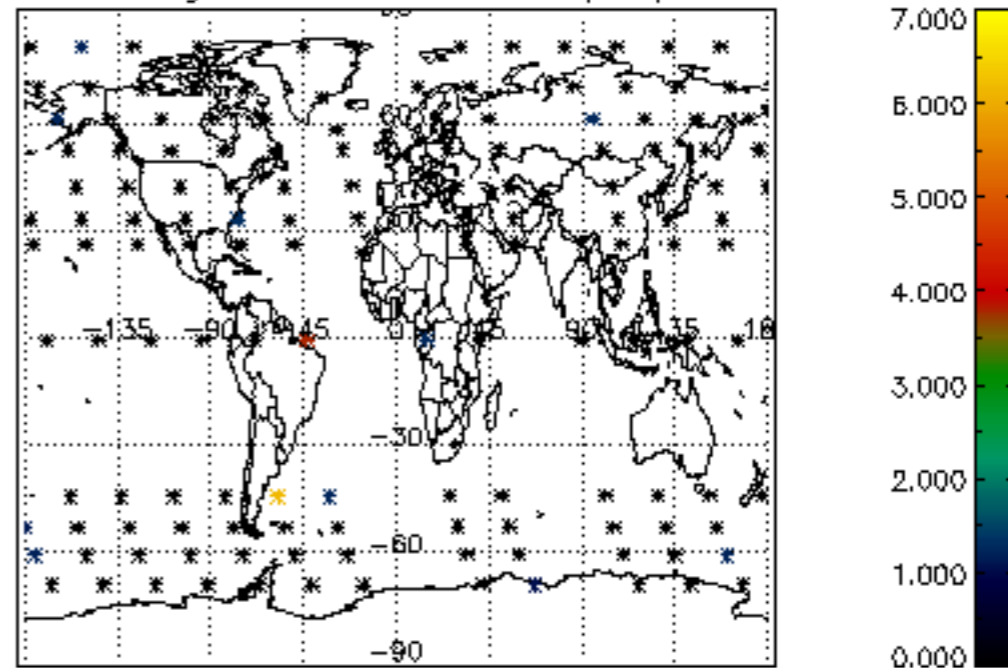
Percentage of datation errors per profile



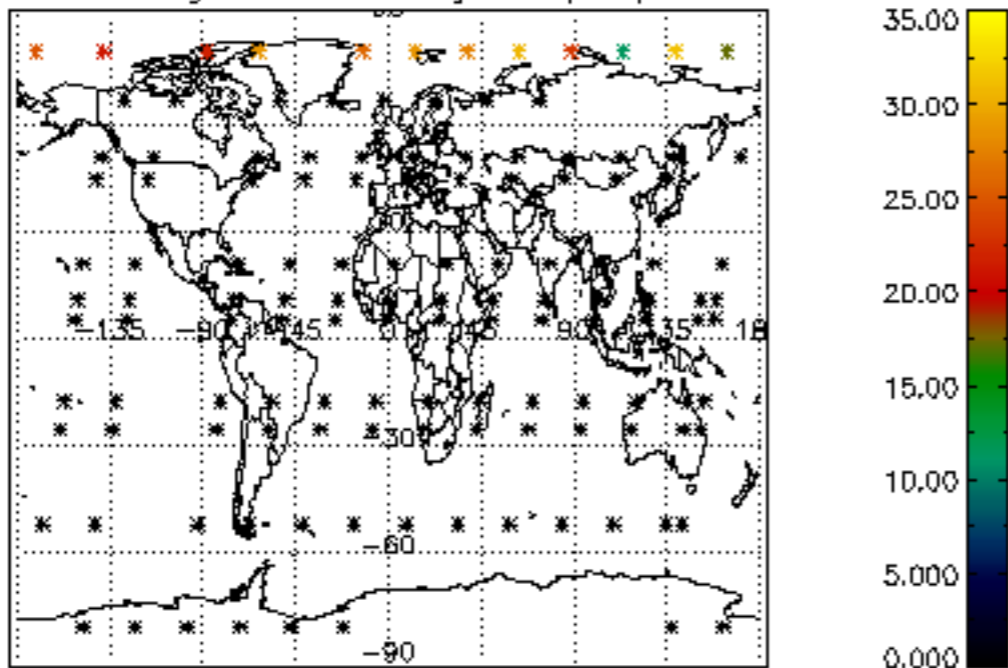
Percentage of star falling outside central band per profile



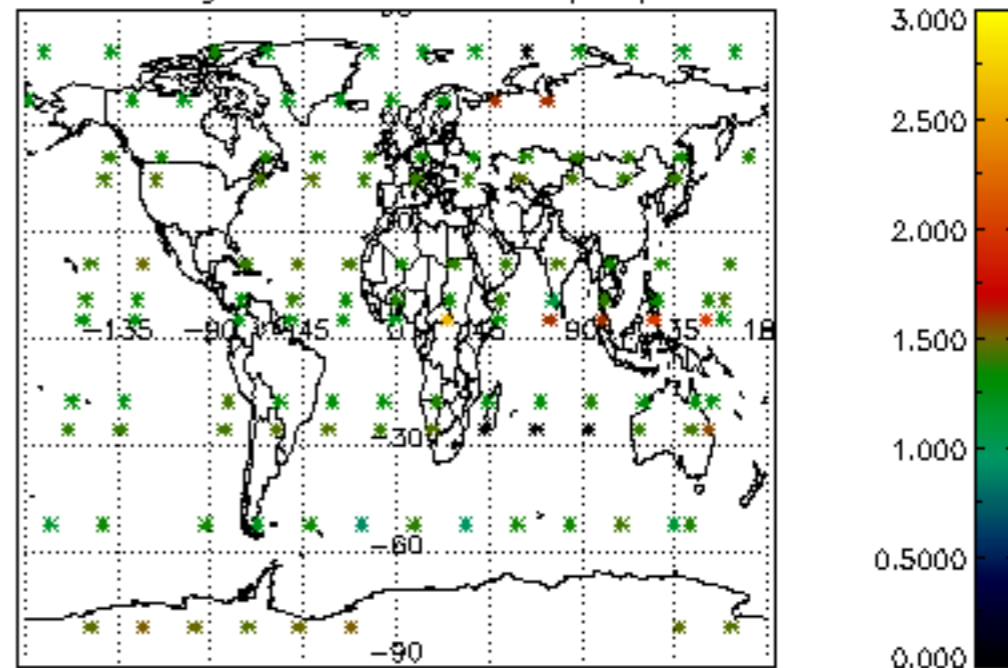
Percentage of saturation errors per profile



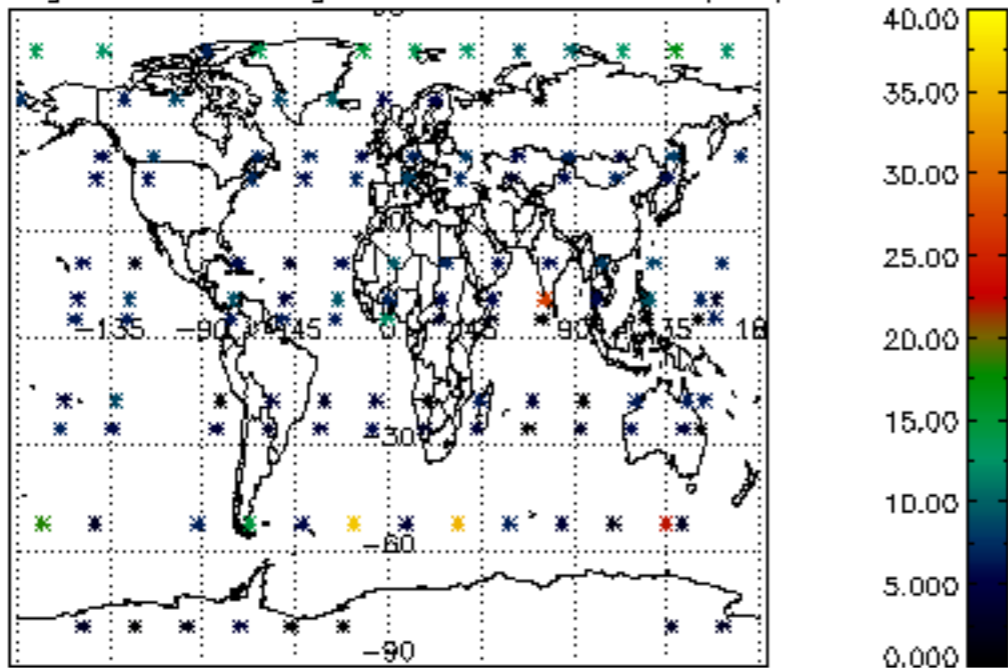
Percentage of cosmic ray hits per profile



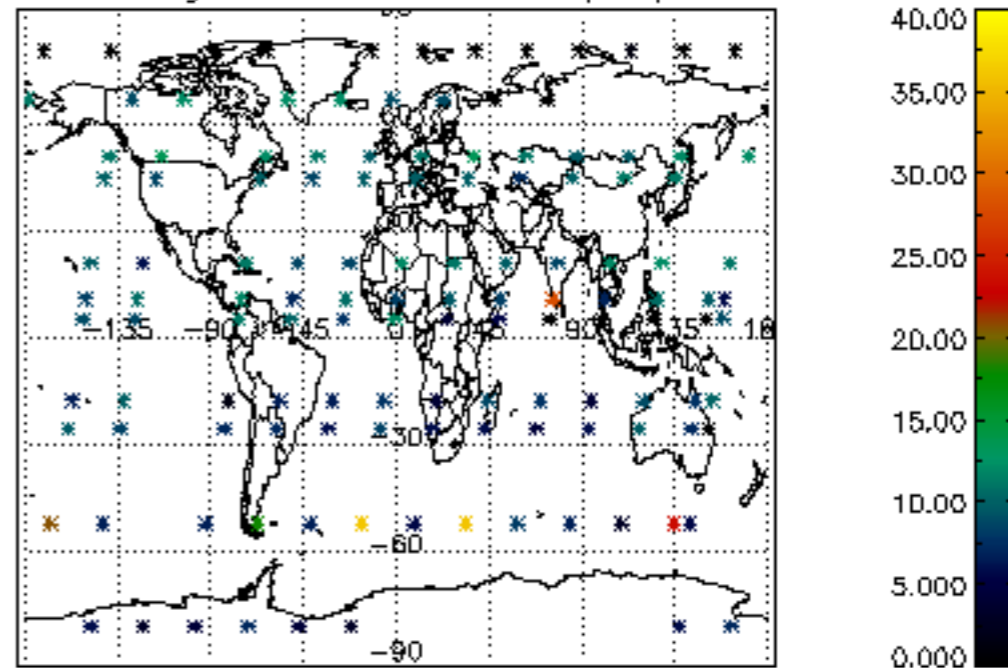
Percentage of datation errors per profile

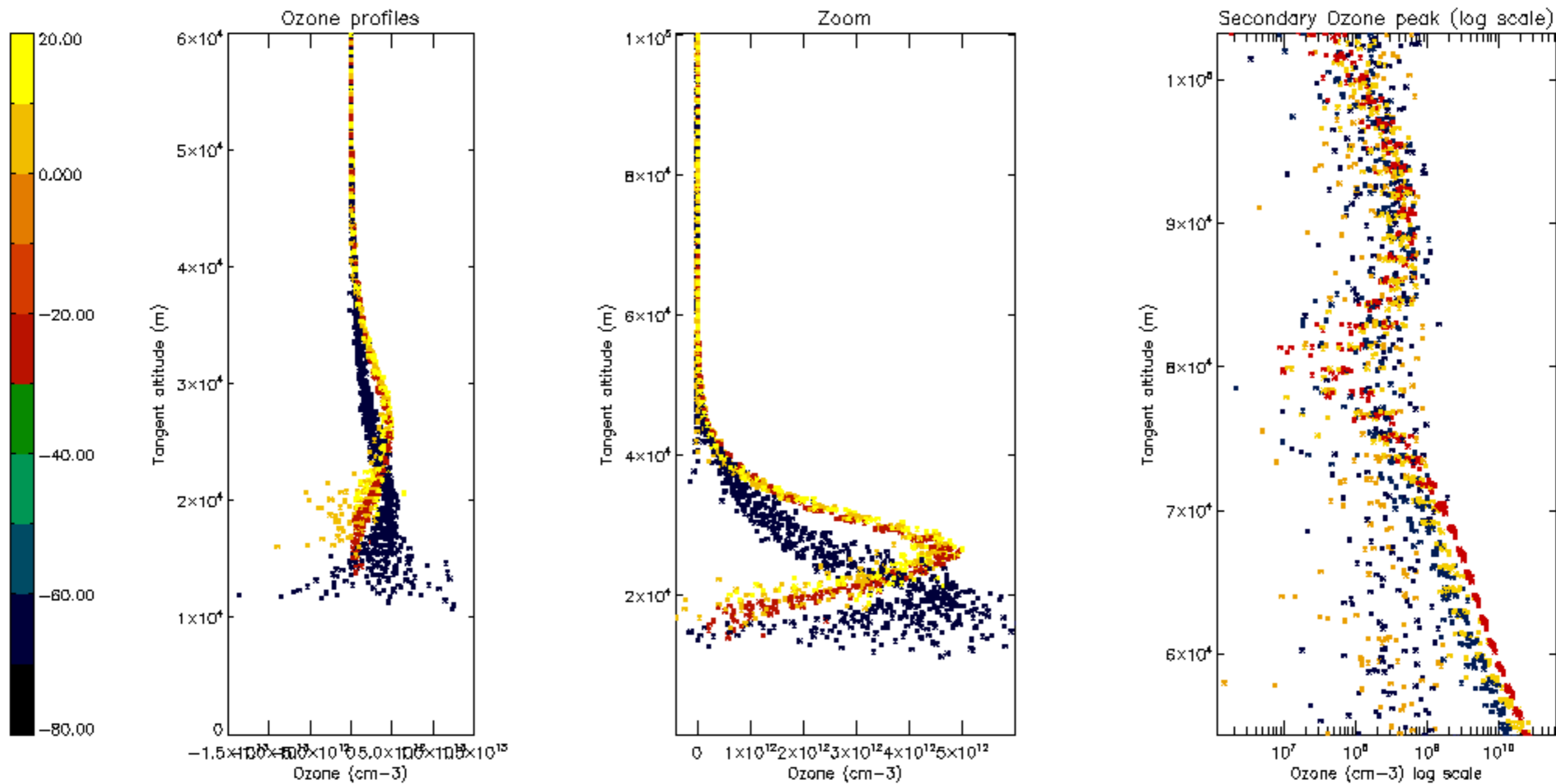


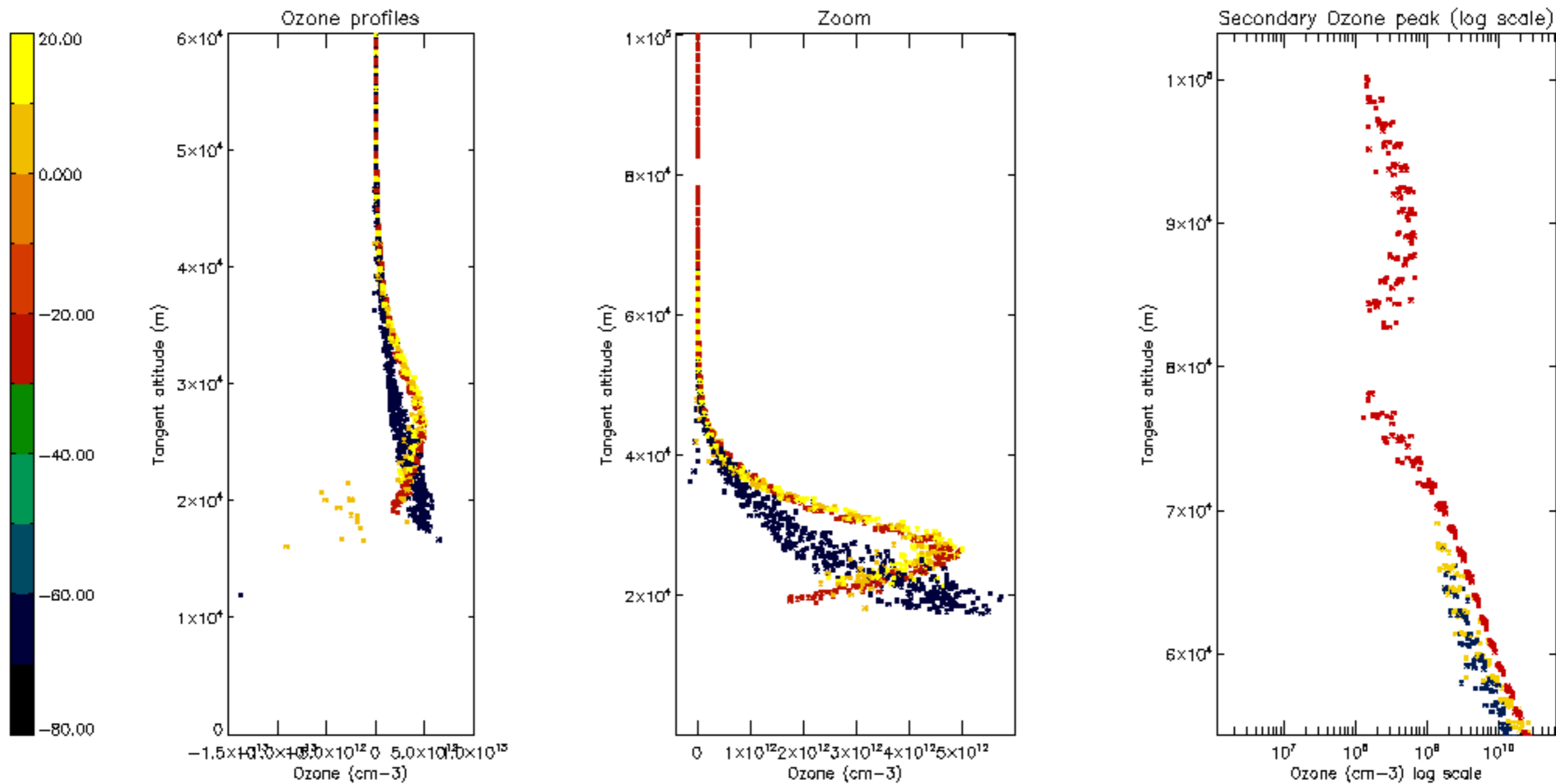
Percentage of star falling outside central band per profile

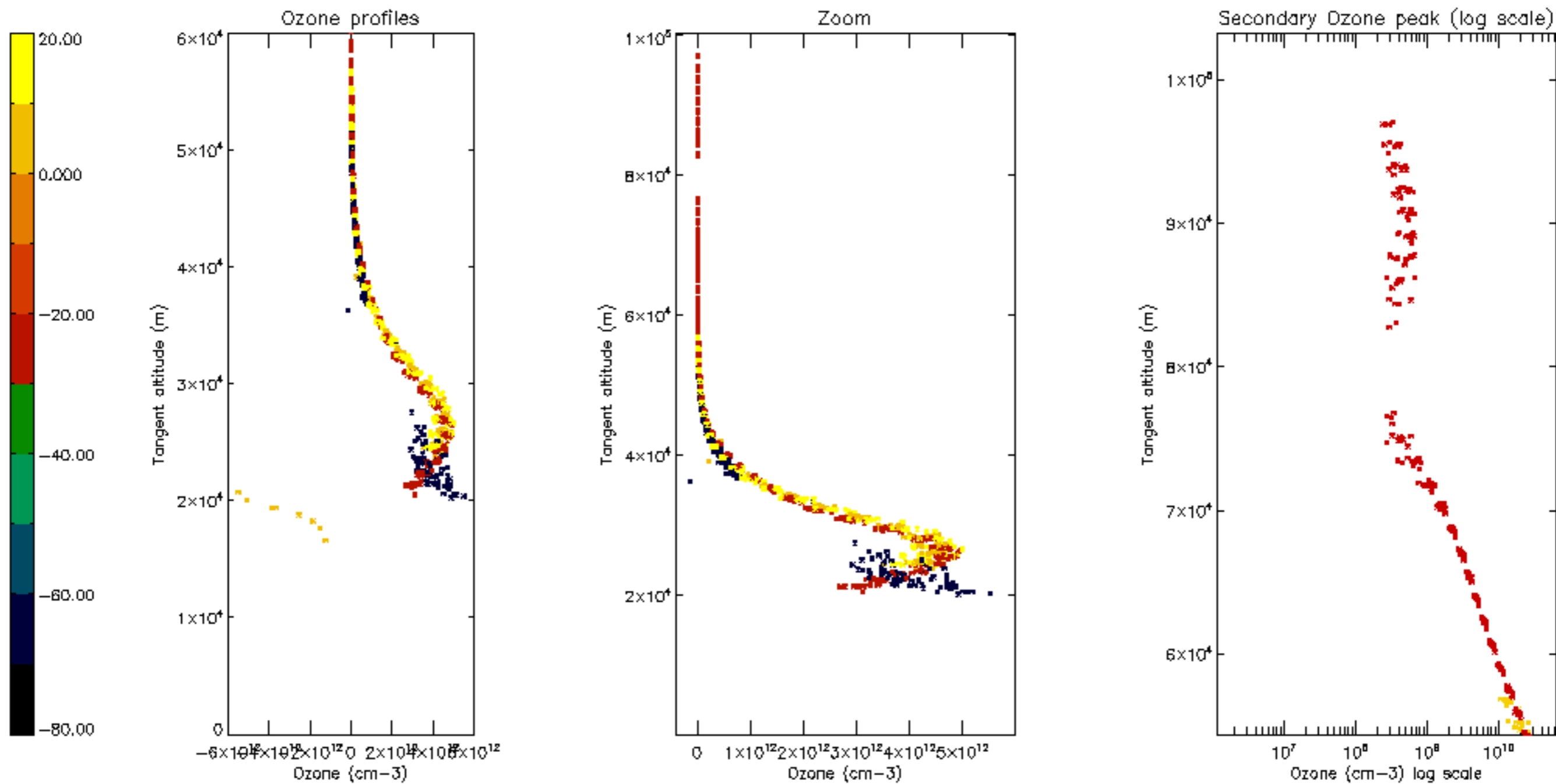


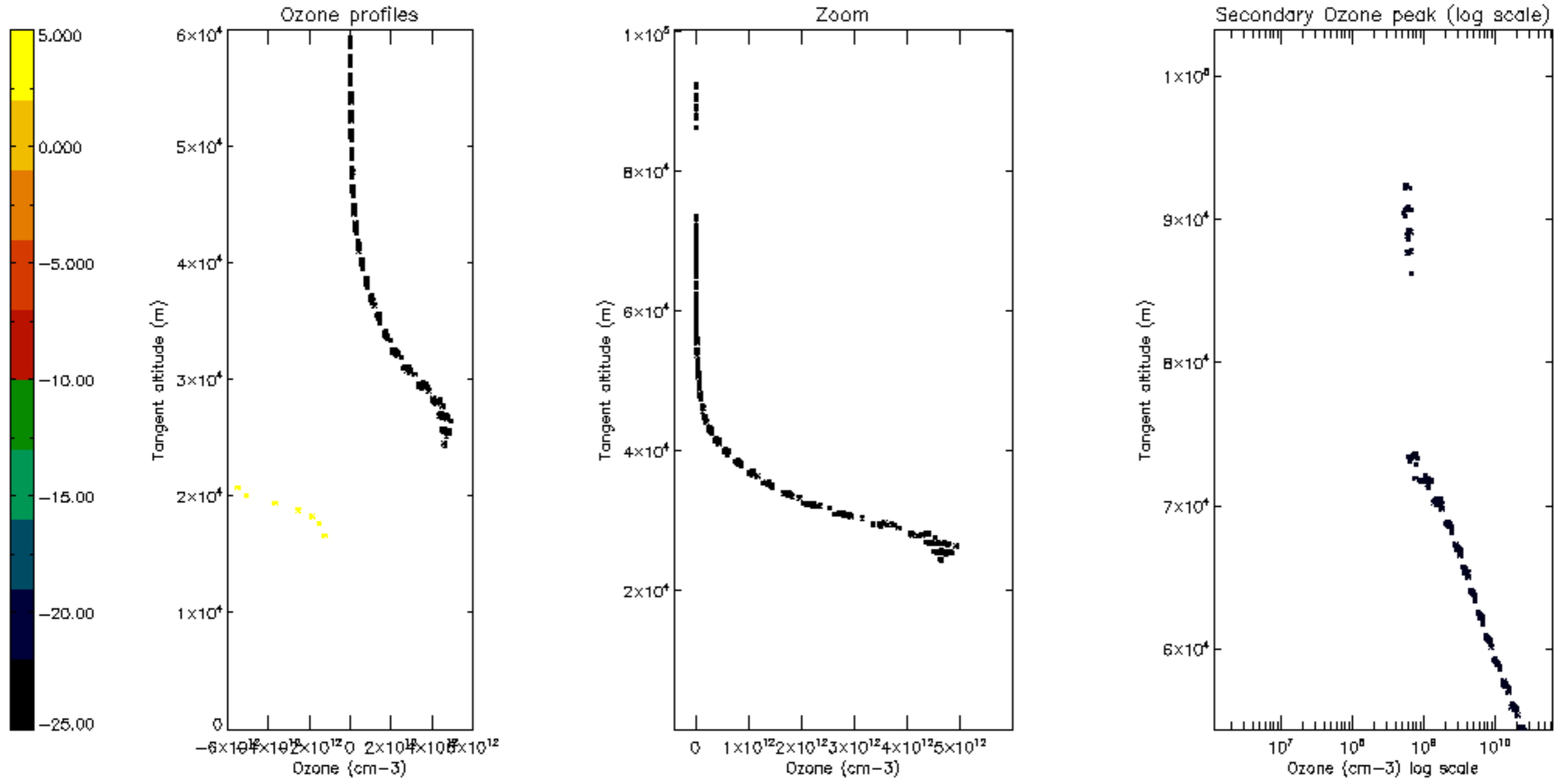
Percentage of saturation errors per profile

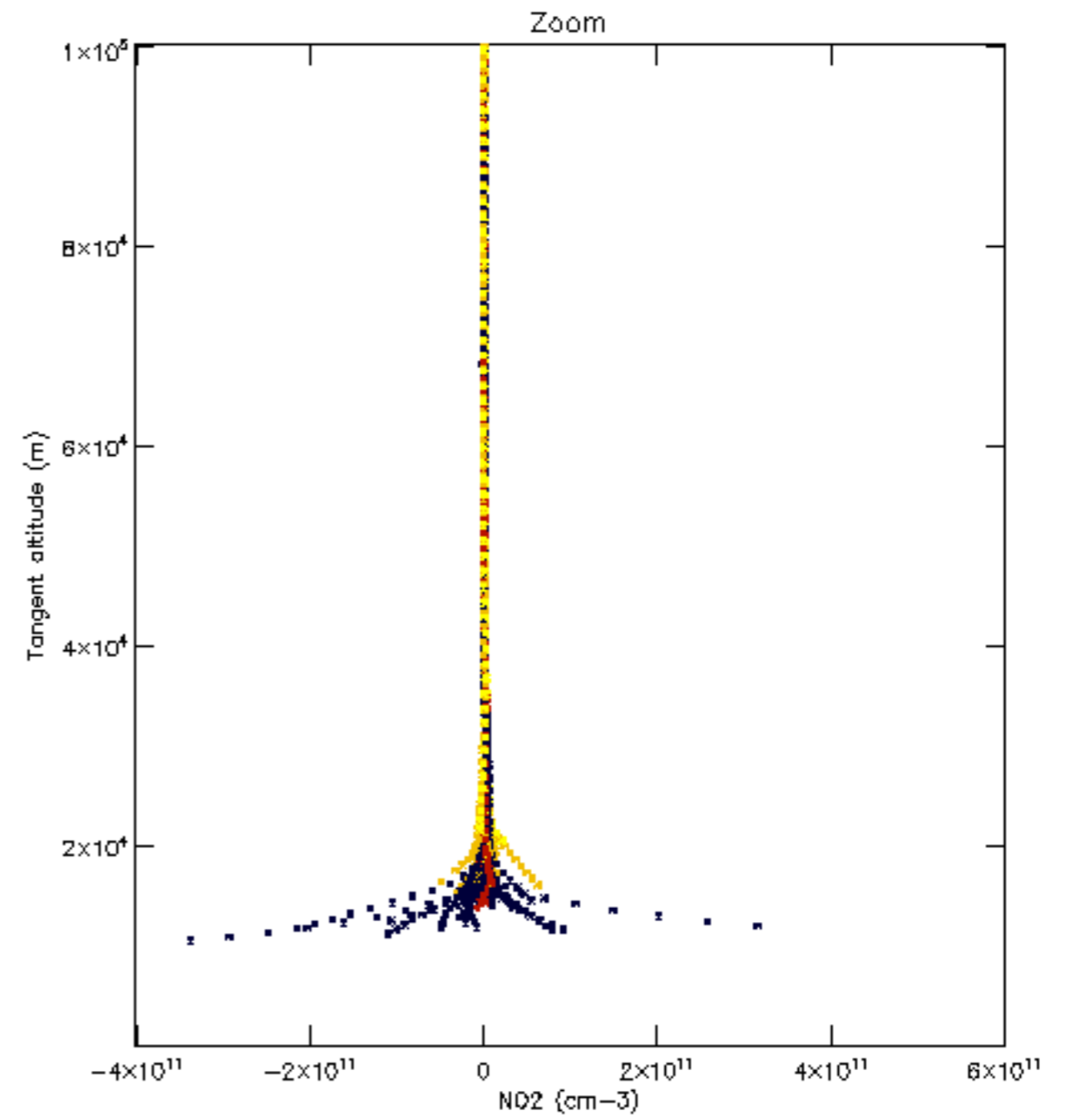
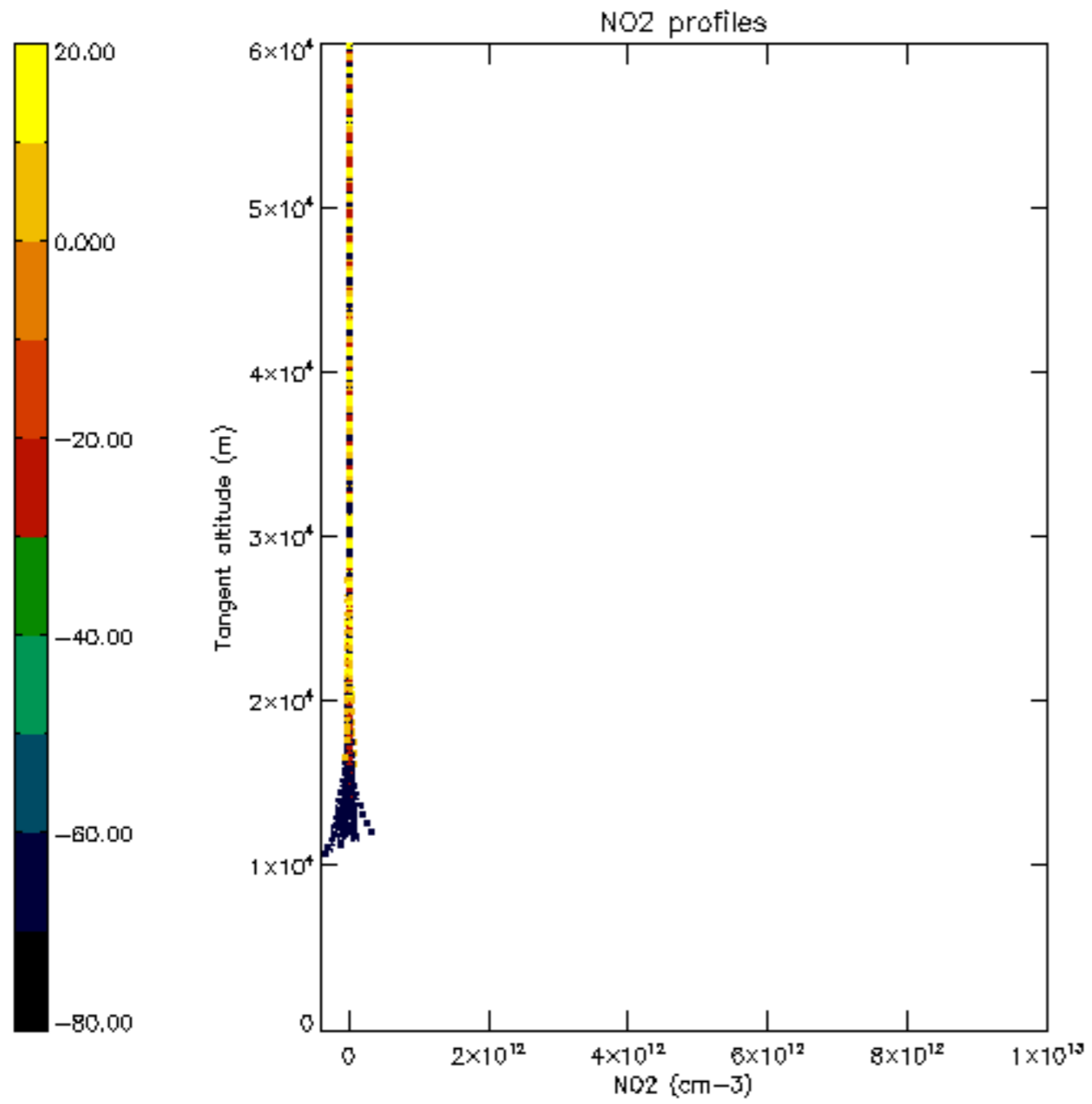


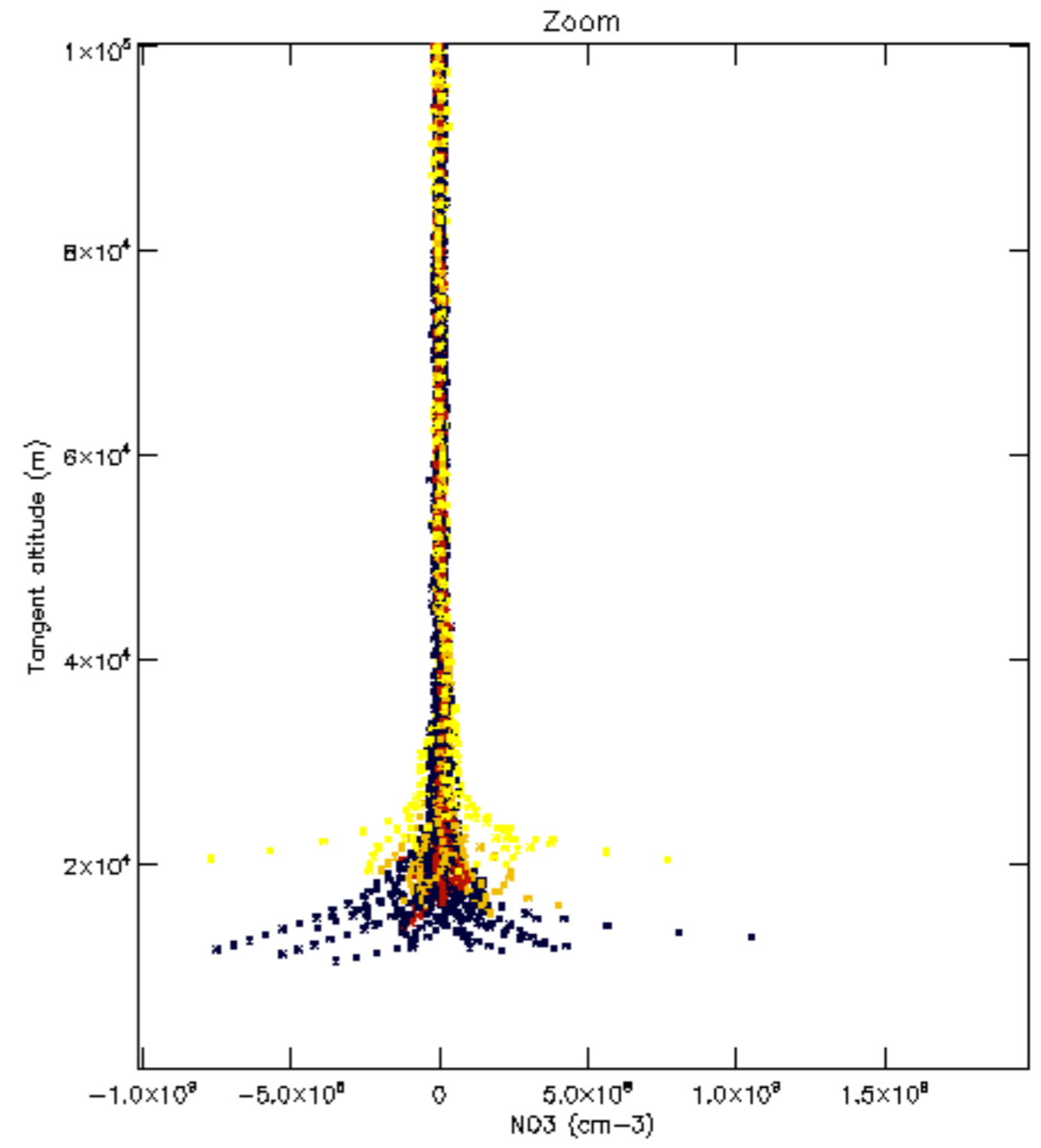
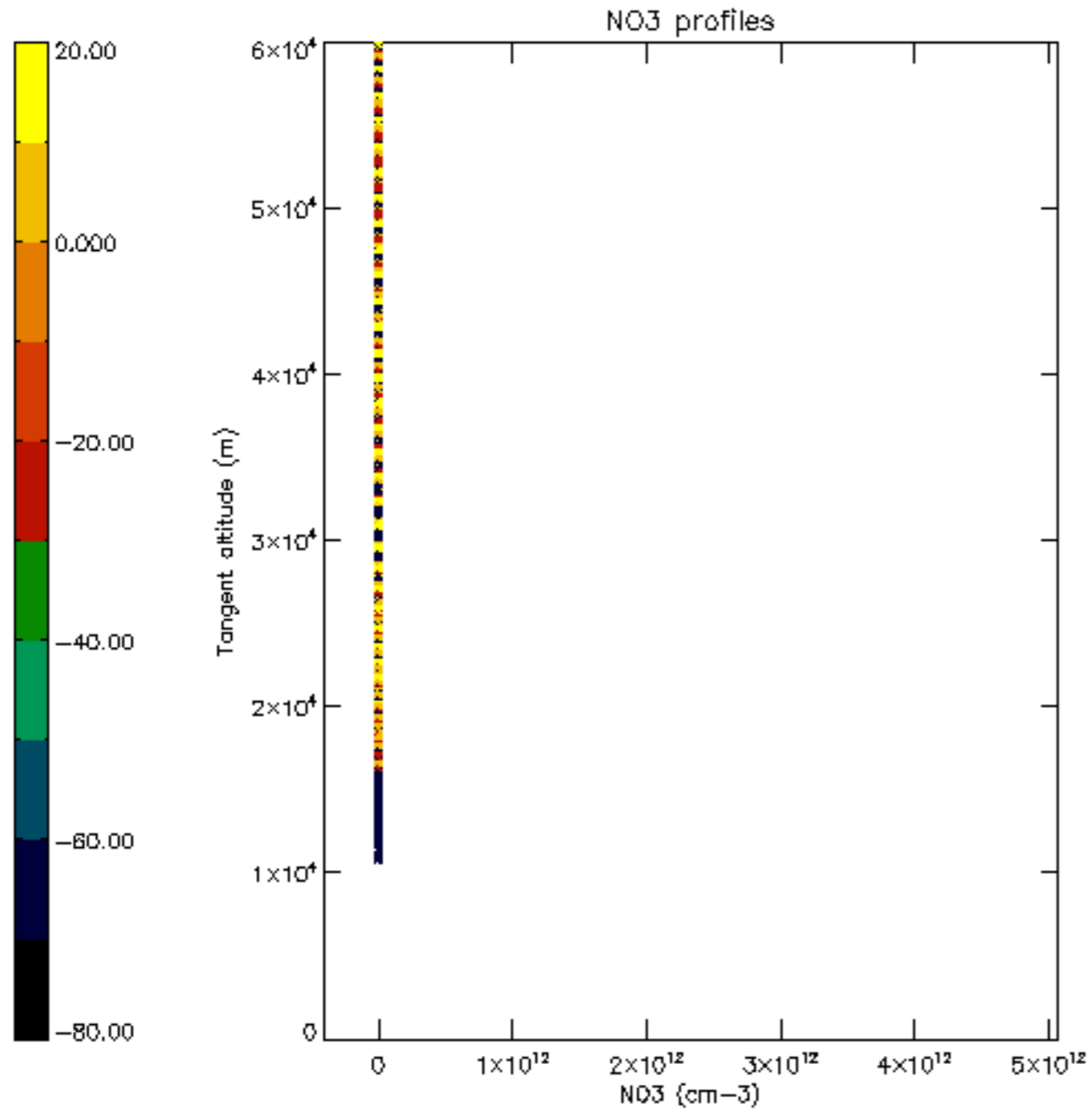


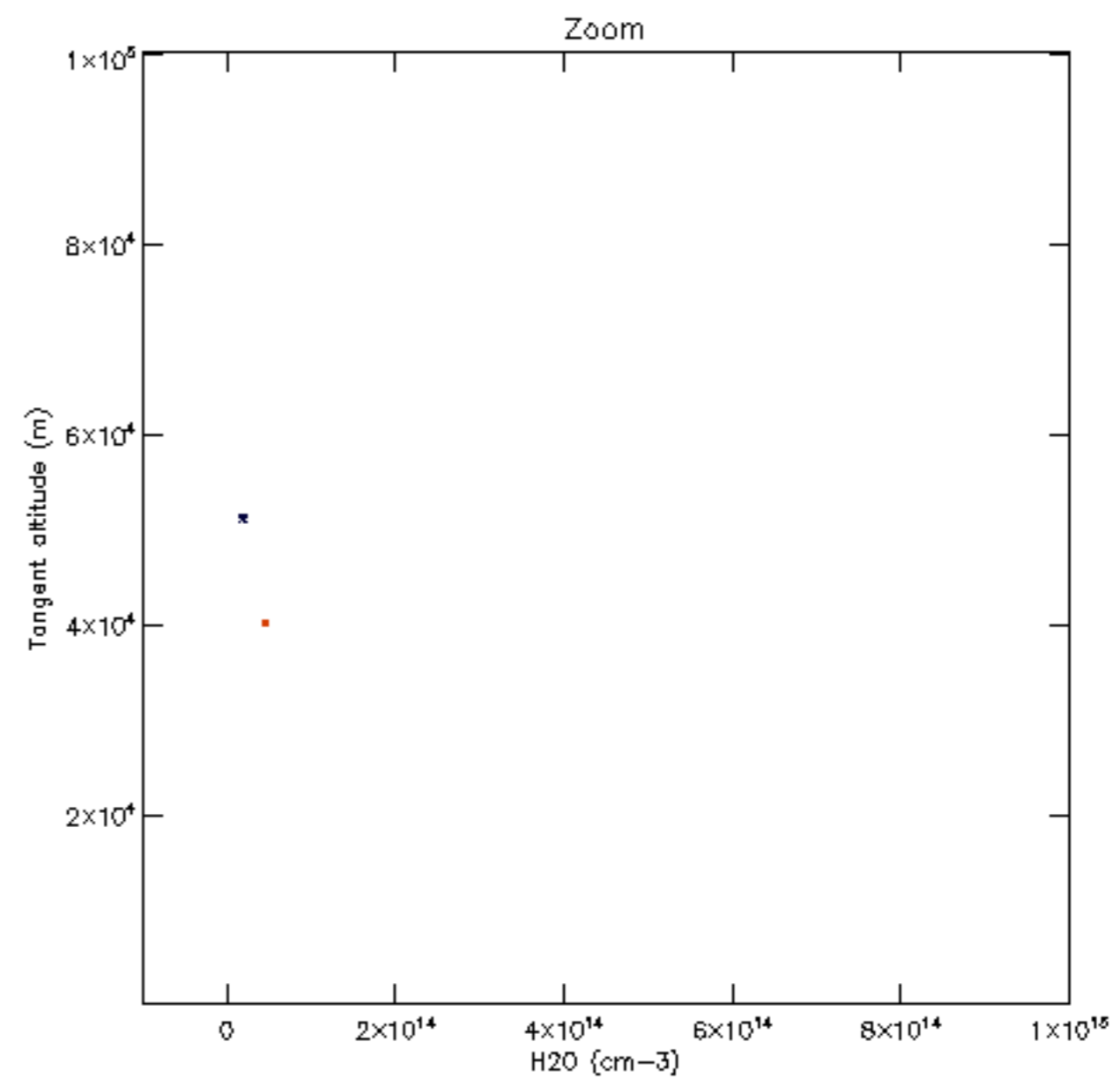
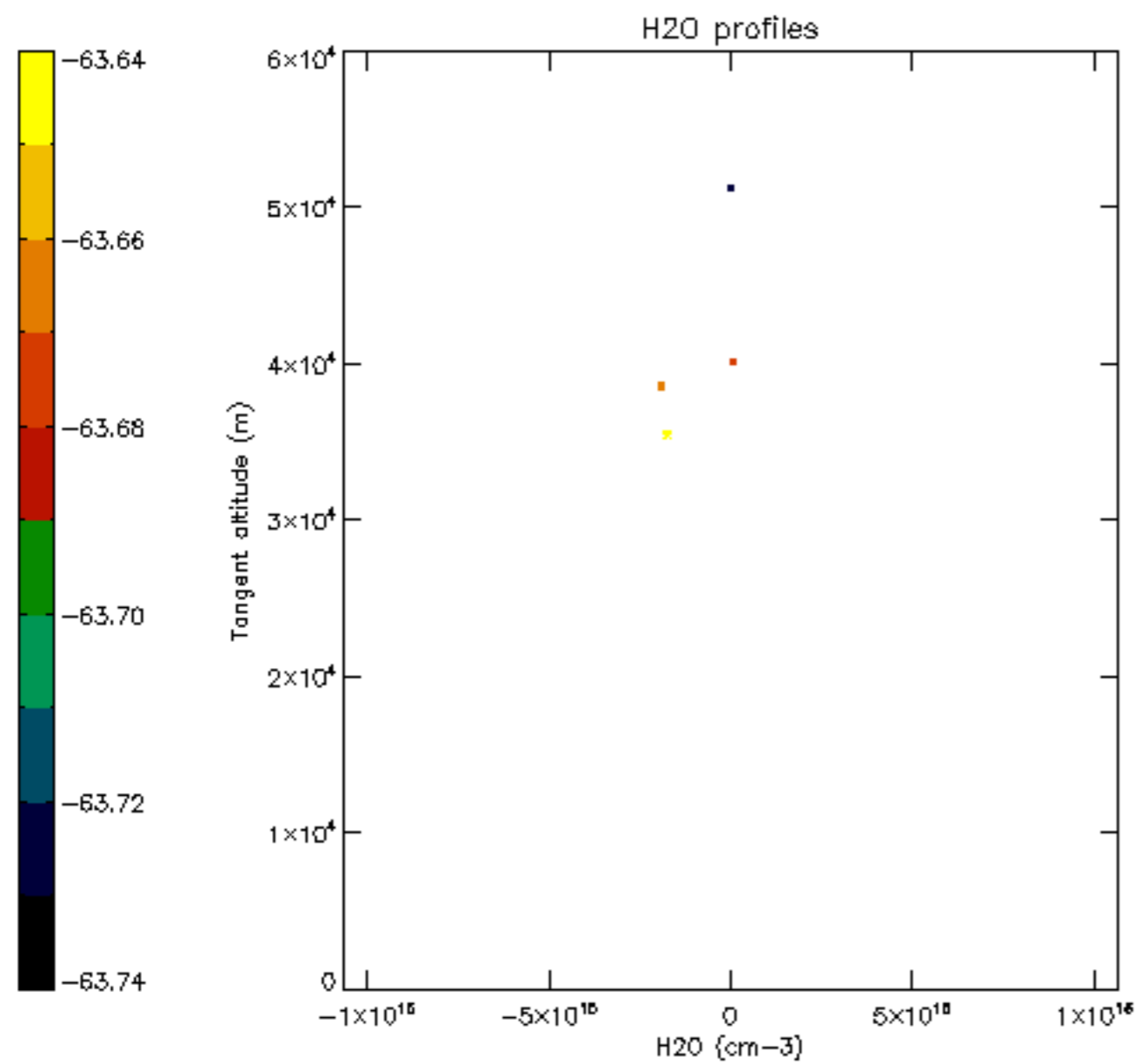


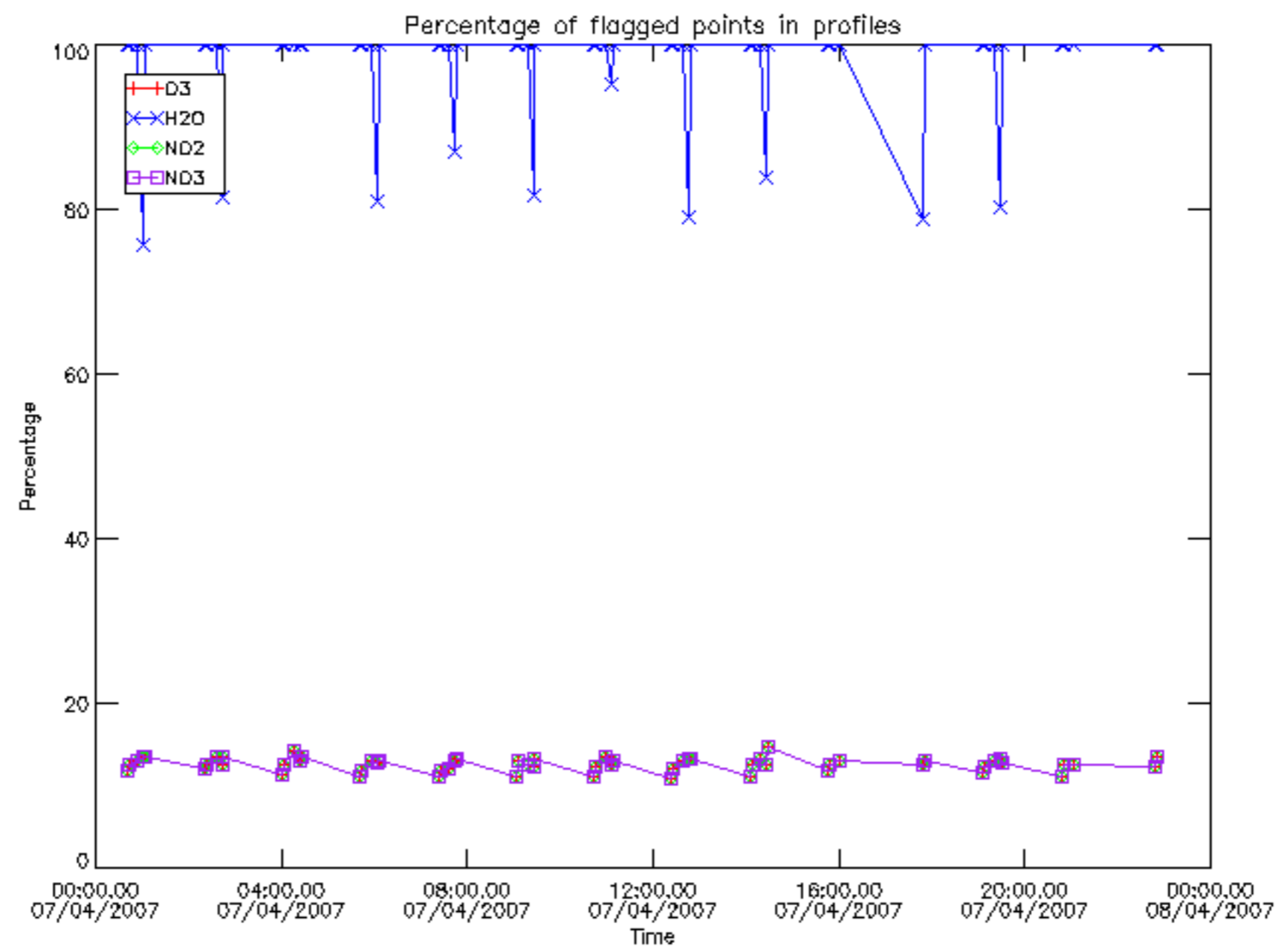




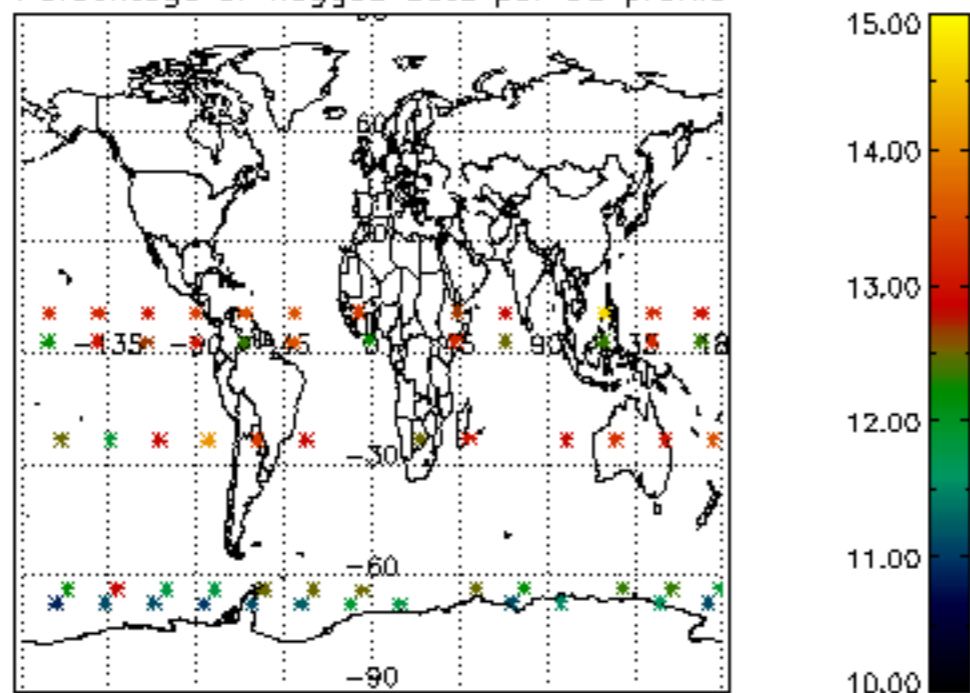




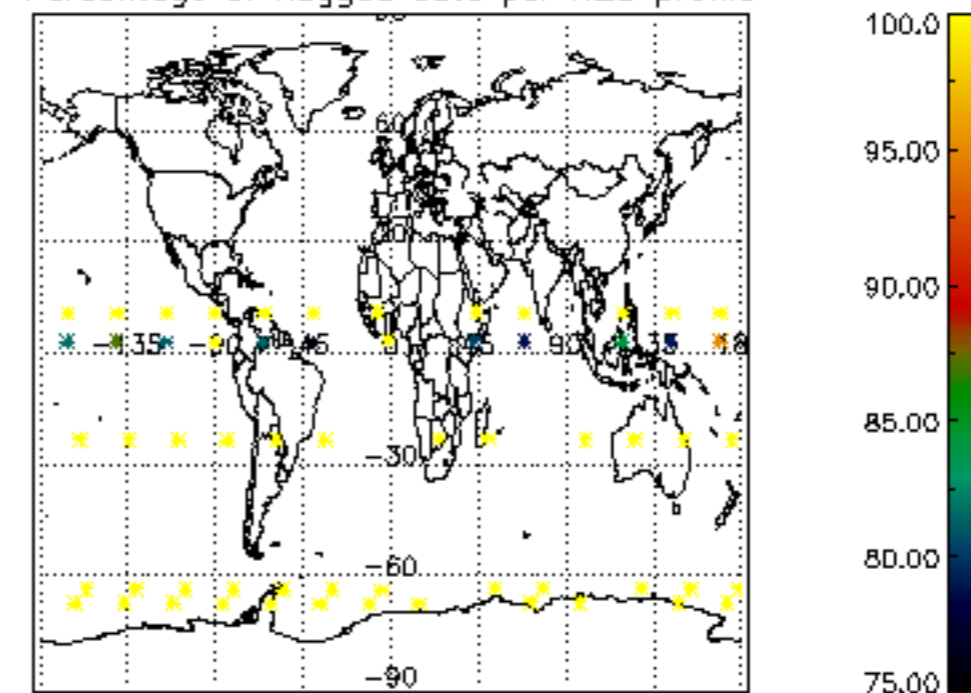




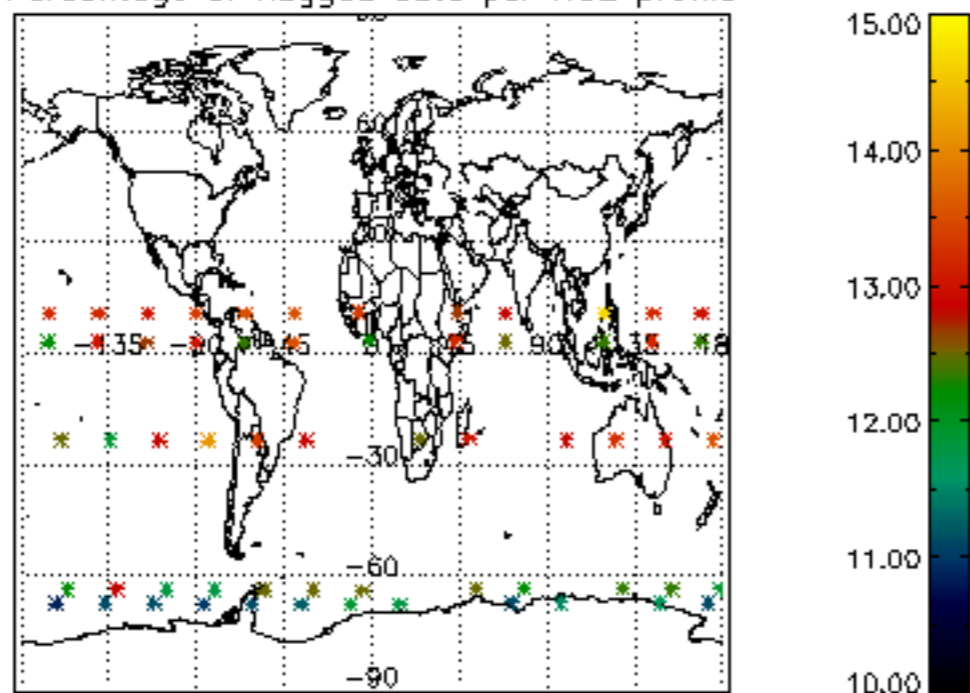
Percentage of flagged data per D3 profile



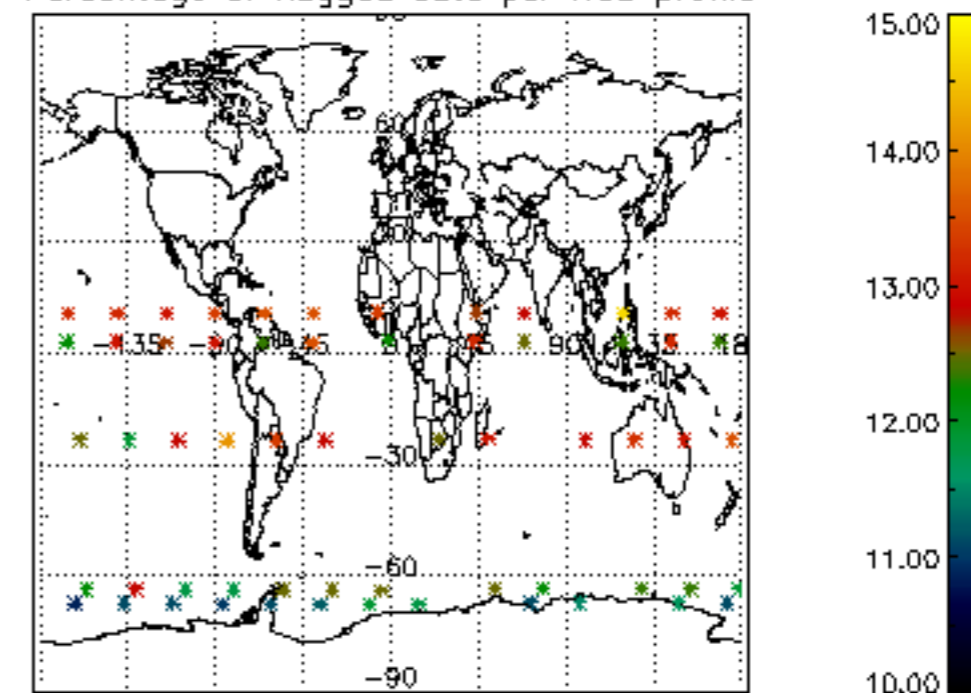
Percentage of flagged data per H2O profile

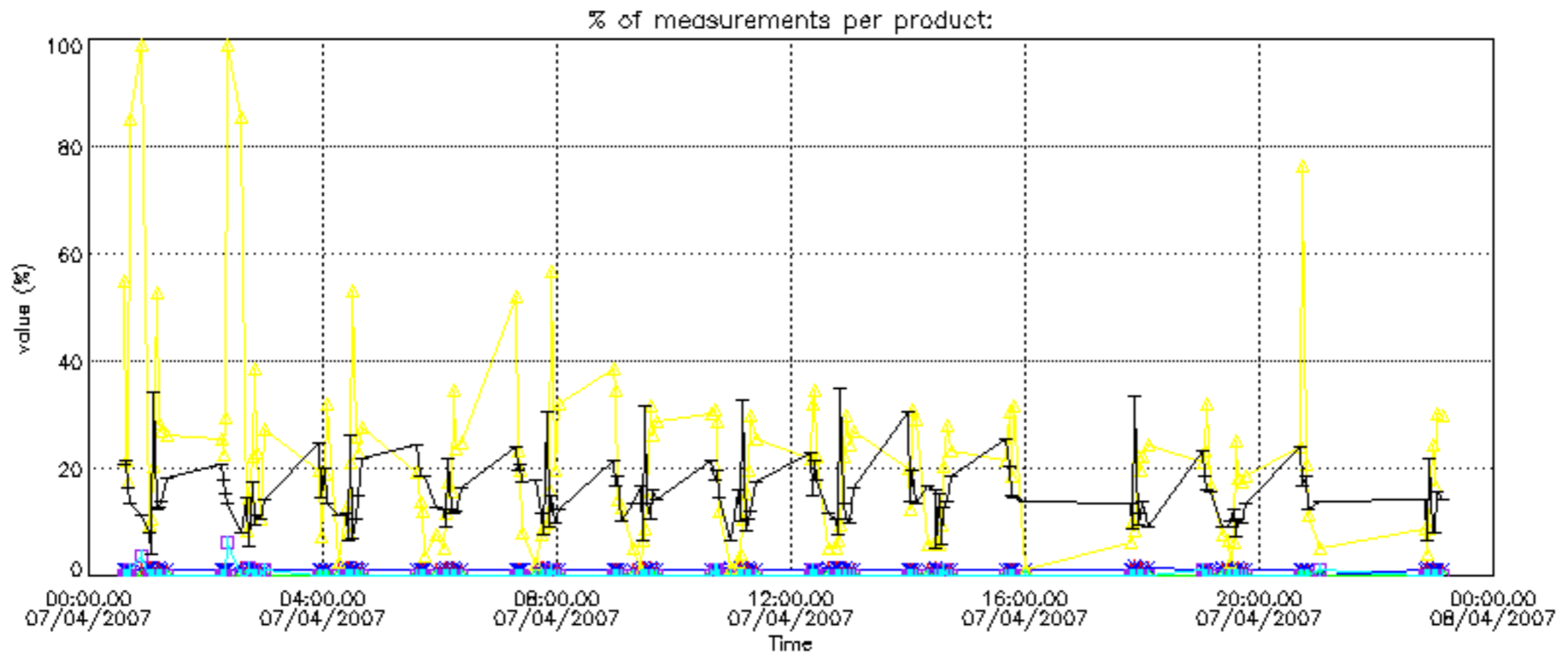


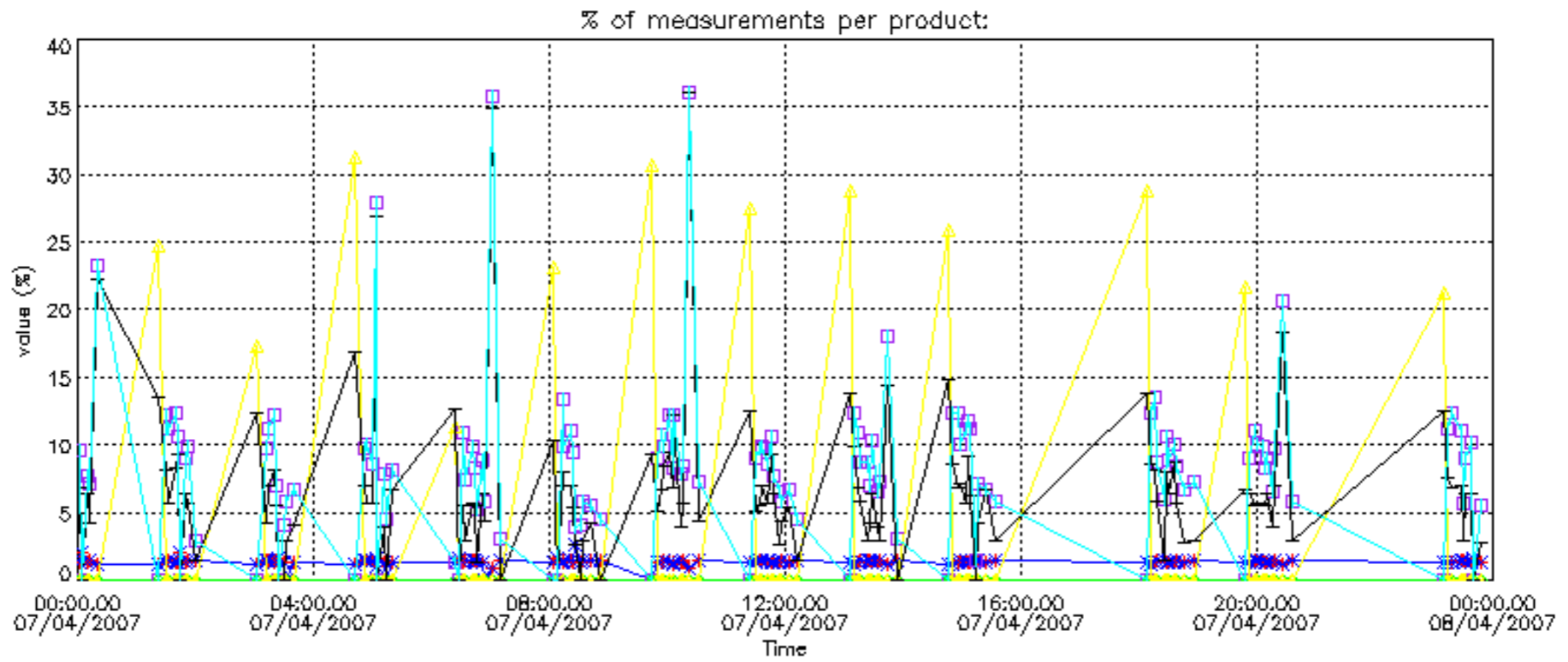
Percentage of flagged data per NO2 profile



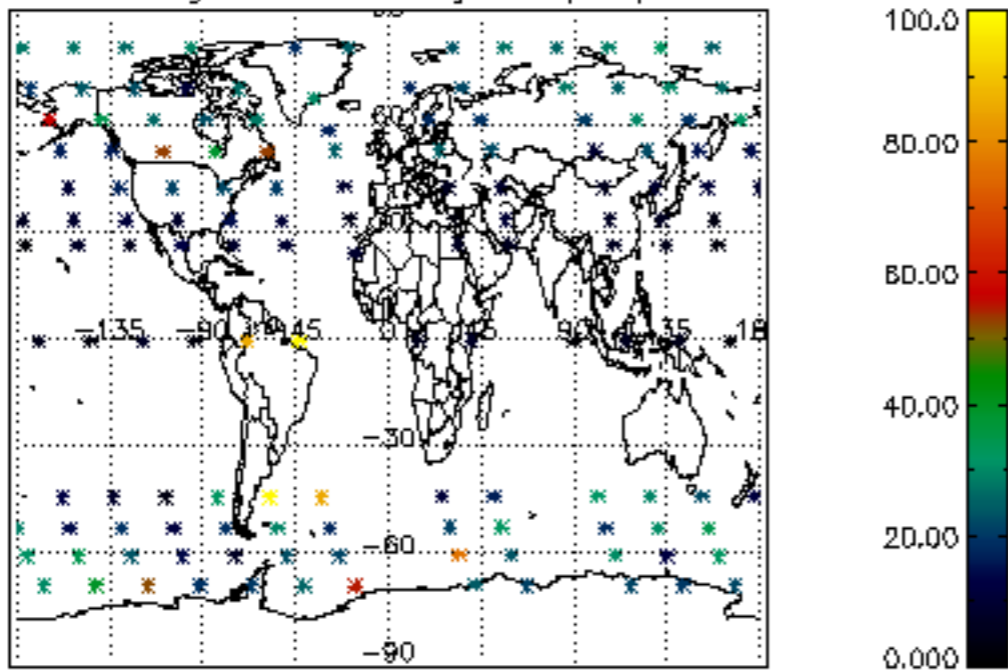
Percentage of flagged data per NO3 profile



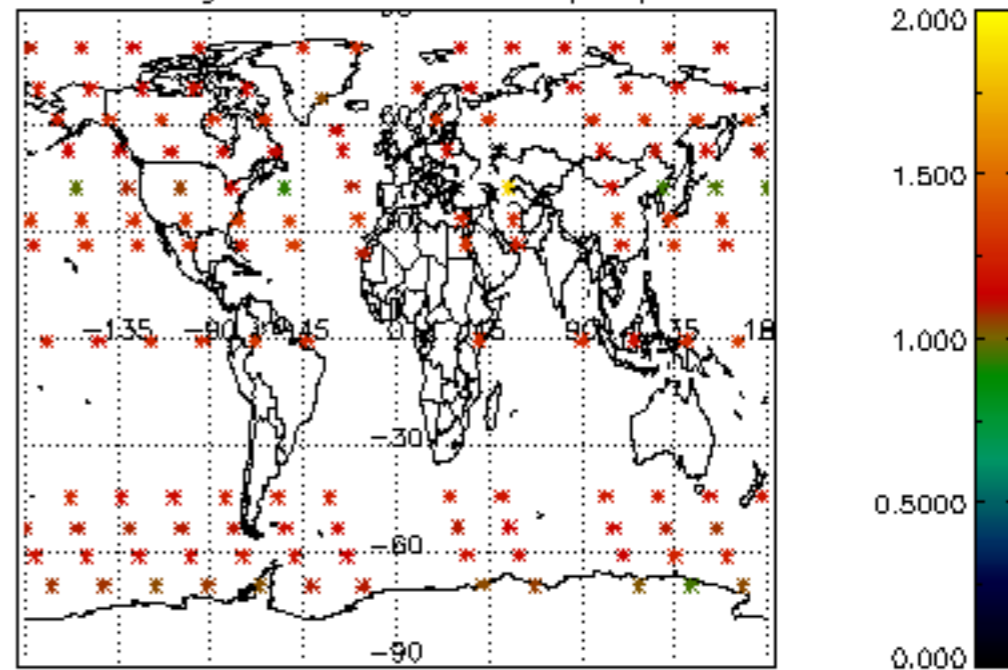




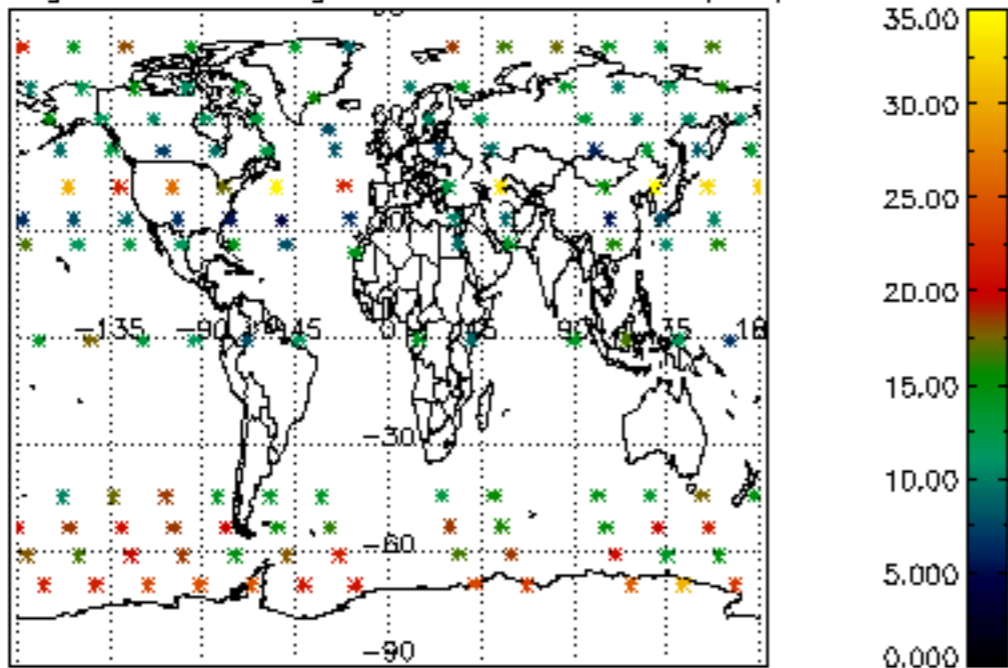
Percentage of cosmic ray hits per profile



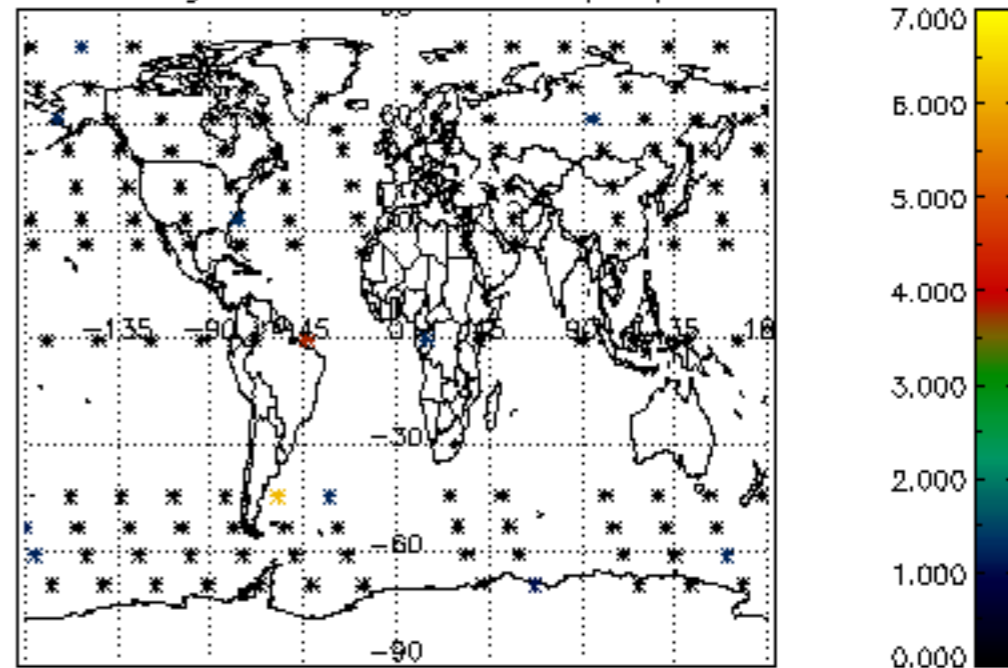
Percentage of datation errors per profile



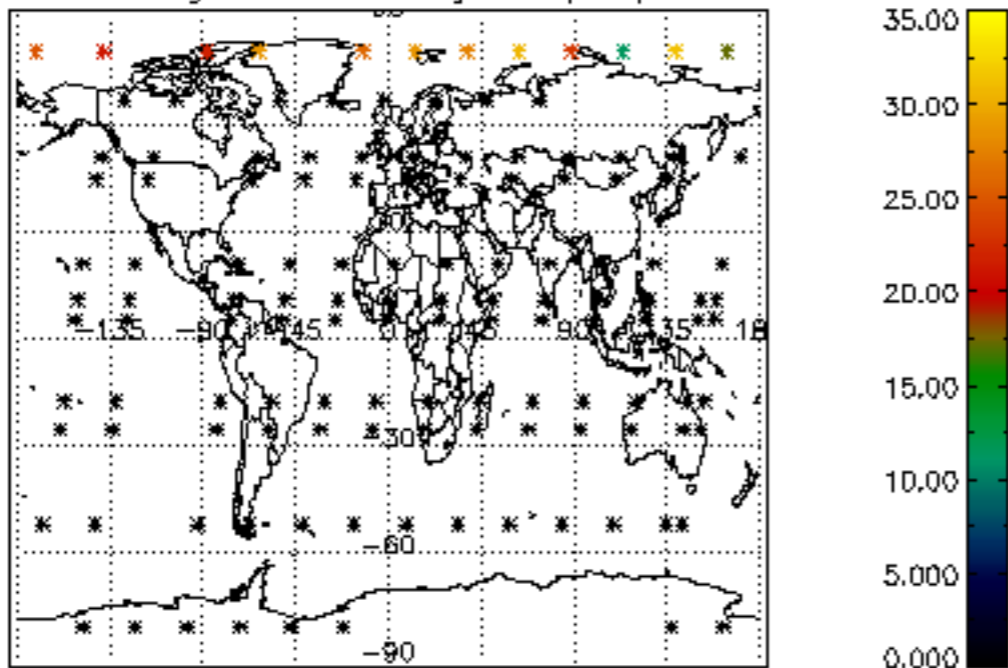
Percentage of star falling outside central band per profile



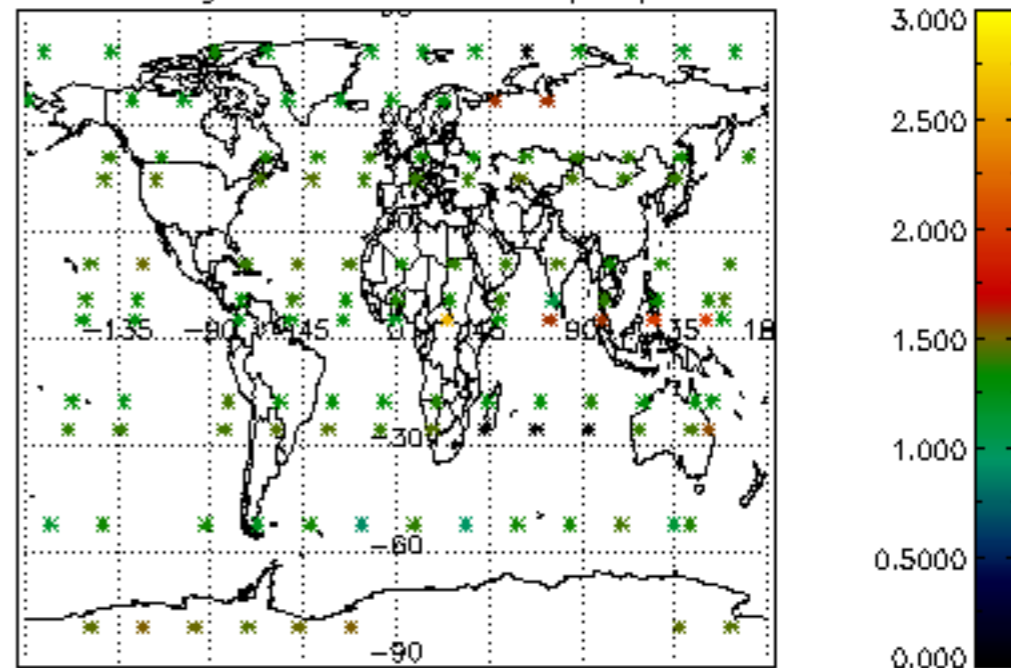
Percentage of saturation errors per profile



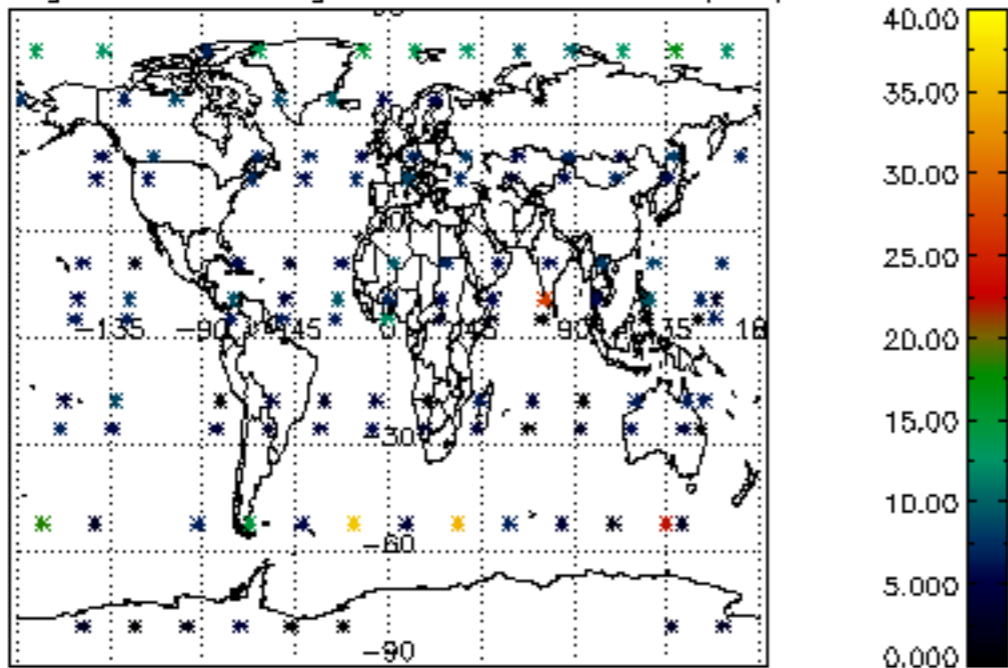
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

