

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	18APR2013 12:02:33
Data source version	GOMOS/6.01
Start time of products	24-10-2005 (24OCT2005 00:00:00)
Stop time of products	25-10-2005 (25OCT2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	90
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

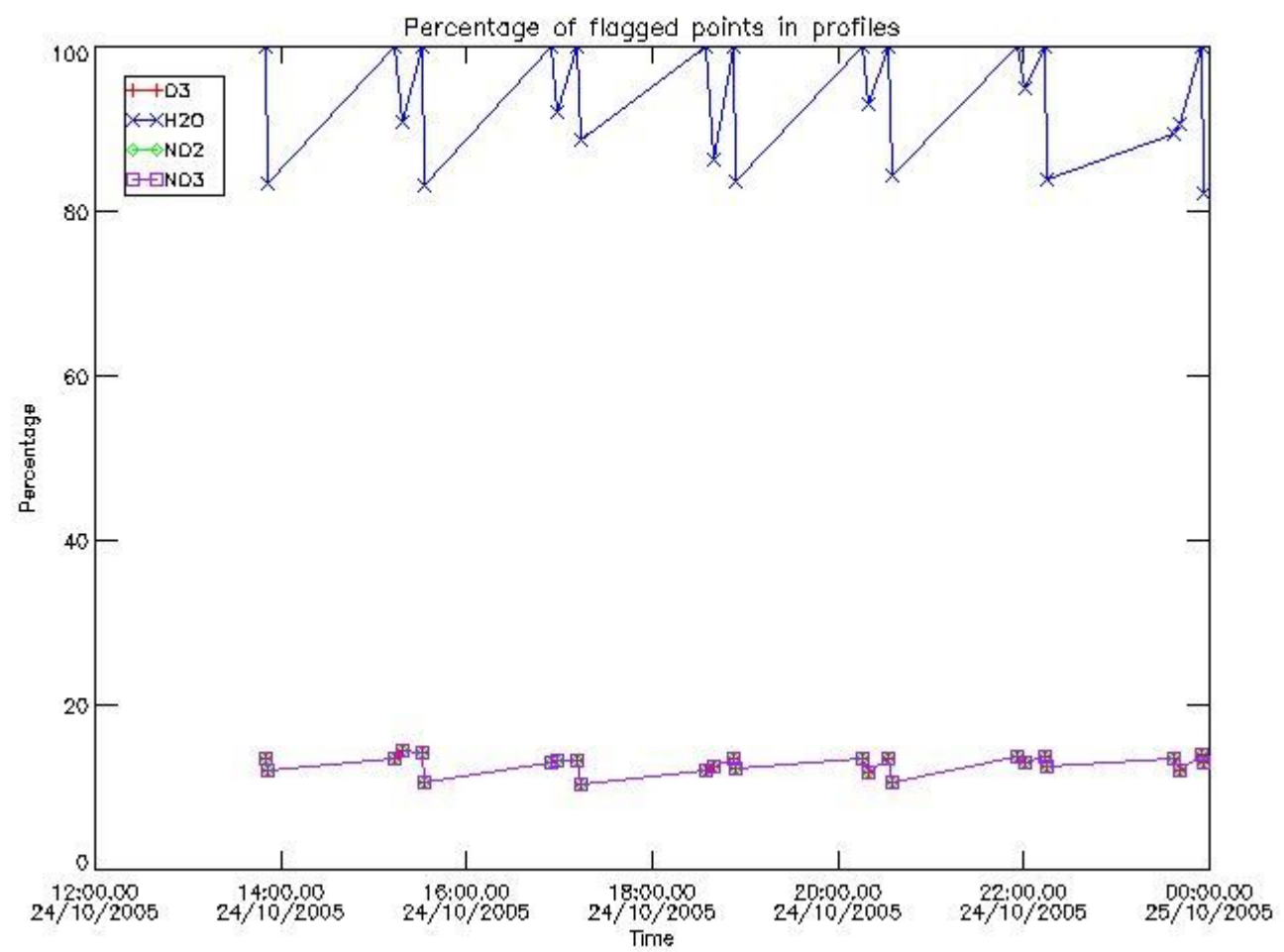
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20051024_135040_000000382041_00497_19088_8030.N1	24-OCT-2005 13:50:40	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	19088	No
2	GOM_NL__2PRFIN20051024_135205_000000432041_00497_19088_8031.N1	24-OCT-2005 13:52:05	Dark	42.500	9	Alp Eri	0.45300	24000.	85	19088	No
3	GOM_NL__2PRFIN20051024_135656_000000372041_00497_19088_8032.N1	24-OCT-2005 13:56:56	Straylight	37.000	84	Alp Phe	2.3970	4500.0	74	19088	No
4	GOM_NL__2PRFIN20051024_140330_000000432041_00497_19088_8033.N1	24-OCT-2005 14:03:30	Straylight	43.000	52	16Bet Cet	2.0370	4500.0	86	19088	No
5	GOM_NL__2PRFIN20051024_141259_000000362041_00497_19088_8034.N1	24-OCT-2005 14:12:59	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	19088	No
6	GOM_NL__2PRFIN20051024_141652_000000362041_00497_19088_8035.N1	24-OCT-2005 14:16:52	Bright	36.000	58	21Alp And	2.0730	11000.	72	19088	No
7	GOM_NL__2PRFIN20051024_142433_000000362041_00497_19088_8036.N1	24-OCT-2005 14:24:33	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	19088	No
8	GOM_NL__2PRFIN20051024_142550_000000372041_00497_19088_8037.N1	24-OCT-2005 14:25:50	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	19088	No
9	GOM_NL__2PRFIN20051024_143348_000000322041_00497_19088_8038.N1	24-OCT-2005 14:33:48	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	19088	No
10	GOM_NL__2PRFIN20051024_143717_000000342041_00497_19088_8039.N1	24-OCT-2005 14:37:17	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	19088	No
11	GOM_NL__2PRFIN20051024_144202_000000072041_00497_19088_8040.N1	24-OCT-2005 14:42:02	Straylight	7.0000	36	50Alp UMa	1.8000	6300.0	14	19088	No
12	GOM_NL__2PRFIN20051024_144316_000000352041_00497_19088_8041.N1	24-OCT-2005 14:43:16	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	19088	No
13	GOM_NL__2PRFIN20051024_144806_000000322041_00497_19088_8042.N1	24-OCT-2005 14:48:06	Bright	32.000	152	12Alp2CVn	2.8900	11000.	64	19088	No
14	GOM_NL__2PRFIN20051024_145411_000000362041_00497_19088_8043.N1	24-OCT-2005 14:54:11	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	19088	No
15	GOM_NL__2PRFIN20051024_151349_000000382041_00497_19088_8044.N1	24-OCT-2005 15:13:49	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	19088	No
16	GOM_NL__2PRFIN20051024_151812_000000392041_00498_19089_7865.N1	24-OCT-2005 15:18:12	Dark	39.000	71	Iot Car	2.2460	7700.0	78	19089	No
17	GOM_NL__2PRFIN20051024_153117_000000362041_00498_19089_7866.N1	24-OCT-2005 15:31:17	Dark	36.000	143	Alp Hyi	2.8570	7200.0	72	19089	No
18	GOM_NL__2PRFIN20051024_153241_000000482041_00498_19089_7867.N1	24-OCT-2005 15:32:41	Dark	48.000	9	Alp Eri	0.45300	24000.	96	19089	No
19	GOM_NL__2PRFIN20051024_153732_000000442041_00498_19089_7868.N1	24-OCT-2005 15:37:32	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	19089	No
20	GOM_NL__2PRFIN20051024_154406_000000422041_00498_19089_7869.N1	24-OCT-2005 15:44:06	Straylight	42.000	52	16Bet Cet	2.0370	4500.0	84	19089	No
21	GOM_NL__2PRFIN20051024_155335_000000352041_00498_19089_7870.N1	24-OCT-2005 15:53:35	Bright	34.500	140	88Gam Peg	2.8340	26000.	69	19089	No
22	GOM_NL__2PRFIN20051024_155728_000000362041_00498_19089_7871.N1	24-OCT-2005 15:57:28	Bright	35.500	58	21Alp And	2.0730	11000.	71	19089	No
23	GOM_NL__2PRFIN20051024_160509_000000372041_00498_19089_7872.N1	24-OCT-2005 16:05:09	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	19089	No
24	GOM_NL__2PRFIN20051024_160626_000000362041_00498_19089_7873.N1	24-OCT-2005 16:06:26	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19089	No
25	GOM_NL__2PRFIN20051024_161423_000000362041_00498_19089_7874.N1	24-OCT-2005 16:14:23	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	19089	No
26	GOM_NL__2PRFIN20051024_161753_000000372041_00498_19089_7875.N1	24-OCT-2005 16:17:53	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	19089	No
27	GOM_NL__2PRFIN20051024_162238_000000072041_00498_19089_7876.N1	24-OCT-2005 16:22:38	Straylight	7.0000	36	50Alp UMa	1.8000	6300.0	14	19089	No
28	GOM_NL__2PRFIN20051024_162352_000000372041_00498_19089_7877.N1	24-OCT-2005 16:23:52	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	19089	No
29	GOM_NL__2PRFIN20051024_163447_000000362041_00498_19089_7878.N1	24-OCT-2005 16:34:47	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	19089	No
30	GOM_NL__2PRFIN20051024_165425_000000392041_00498_19089_7879.N1	24-OCT-2005 16:54:25	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	19089	No
31	GOM_NL__2PRFIN20051024_165849_000000392041_00499_19090_7885.N1	24-OCT-2005 16:58:49	Dark	38.500	71	Iot Car	2.2460	7700.0	77	19090	No
32	GOM_NL__2PRFIN20051024_171153_000000392041_00499_19090_7886.N1	24-OCT-2005 17:11:53	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	19090	No
33	GOM_NL__2PRFIN20051024_171318_000000492041_00499_19090_7887.N1	24-OCT-2005 17:13:18	Dark	48.500	9	Alp Eri	0.45300	24000.	97	19090	No
34	GOM_NL__2PRFIN20051024_171830_00000012041_00499_19090_7888.N1	24-OCT-2005 17:18:30	Dark	1.0000	84	Alp Phe	2.3970	4500.0	2	19090	Yes
35	GOM_NL__2PRFIN20051024_172442_000000452041_00499_19090_7889.N1	24-OCT-2005 17:24:42	Straylight	44.500	52	16Bet Cet	2.0370	4500.0	89	19090	No
36	GOM_NL__2PRFIN20051024_173411_000000362041_00499_19090_7890.N1	24-OCT-2005 17:34:11	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	19090	No
37	GOM_NL__2PRFIN20051024_173804_000000372041_00499_19090_7891.N1	24-OCT-2005 17:38:04	Bright	37.000	58	21Alp And	2.0730	11000.	74	19090	No
38	GOM_NL__2PRFIN20051024_174545_000000352041_00499_19090_7892.N1	24-OCT-2005 17:45:45	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	19090	No
39	GOM_NL__2PRFIN20051024_174701_000000362041_00499_19090_7893.N1	24-OCT-2005 17:47:01	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19090	No
40	GOM_NL__2PRFIN20051024_175459_000000372041_00499_19090_7894.N1	24-OCT-2005 17:54:59	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	19090	No
41	GOM_NL__2PRFIN20051024_175829_000000372041_00499_19090_7895.N1	24-OCT-2005 17:58:29	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	19090	No
42	GOM_NL__2PRFIN20051024_180428_000000372041_00499_19090_7896.N1	24-OCT-2005 18:04:28	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	19090	No

43	GOM_NL__2PRFIN20051024_180918_000000342041_00499_19090_7897.N1	24-OCT-2005 18:09:18	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	19090	No
44	GOM_NL__2PRFIN20051024_181524_000000362041_00499_19090_7898.N1	24-OCT-2005 18:15:24	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	19090	No
45	GOM_NL__2PRFIN20051024_183501_000000422041_00499_19090_7899.N1	24-OCT-2005 18:35:01	Dark	42.000	113	Mu Vel	2.6920	5000.0	84	19090	No
46	GOM_NL__2PRFIN20051024_183925_000000412041_00500_19091_7885.N1	24-OCT-2005 18:39:25	Dark	40.500	71	Iot Car	2.2460	7700.0	81	19091	No
47	GOM_NL__2PRFIN20051024_185229_000000382041_00500_19091_7886.N1	24-OCT-2005 18:52:29	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	19091	No
48	GOM_NL__2PRFIN20051024_185354_000000462041_00500_19091_7887.N1	24-OCT-2005 18:53:54	Dark	46.000	9	Alp Eri	0.45300	24000.	92	19091	No
49	GOM_NL__2PRFIN20051024_190518_000000432041_00500_19091_7888.N1	24-OCT-2005 19:05:18	Straylight	43.000	52	16Bet Cet	2.0370	4500.0	86	19091	No
50	GOM_NL__2PRFIN20051024_191447_000000352041_00500_19091_7889.N1	24-OCT-2005 19:14:47	Bright	35.000	140	88Gam Peg	2.8340	26000.	70	19091	No
51	GOM_NL__2PRFIN20051024_191840_000000362041_00500_19091_7890.N1	24-OCT-2005 19:18:40	Bright	36.000	58	21Alp And	2.0730	11000.	72	19091	No
52	GOM_NL__2PRFIN20051024_192621_000000382041_00500_19091_7891.N1	24-OCT-2005 19:26:21	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	19091	No
53	GOM_NL__2PRFIN20051024_192737_000000362041_00500_19091_7892.N1	24-OCT-2005 19:27:37	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19091	No
54	GOM_NL__2PRFIN20051024_193535_000000362041_00500_19091_7893.N1	24-OCT-2005 19:35:35	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	19091	No
55	GOM_NL__2PRFIN20051024_193905_000000362041_00500_19091_7894.N1	24-OCT-2005 19:39:05	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	19091	No
56	GOM_NL__2PRFIN20051024_194504_000000332041_00500_19091_7895.N1	24-OCT-2005 19:45:04	Bright	33.000	32	77Eps UMa	1.7630	11000.	66	19091	No
57	GOM_NL__2PRFIN20051024_194954_000000342041_00500_19091_7896.N1	24-OCT-2005 19:49:54	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	19091	No
58	GOM_NL__2PRFIN20051024_195600_000000352041_00500_19091_7897.N1	24-OCT-2005 19:56:00	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	19091	No
59	GOM_NL__2PRFIN20051024_201538_000000382041_00500_19091_7898.N1	24-OCT-2005 20:15:38	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	19091	No
60	GOM_NL__2PRFIN20051024_202002_000000432041_00501_19092_7885.N1	24-OCT-2005 20:20:02	Dark	43.000	71	Iot Car	2.2460	7700.0	86	19092	No
61	GOM_NL__2PRFIN20051024_203305_000000382041_00501_19092_7886.N1	24-OCT-2005 20:33:05	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	19092	No
62	GOM_NL__2PRFIN20051024_203430_000000482041_00501_19092_7887.N1	24-OCT-2005 20:34:30	Dark	48.000	9	Alp Eri	0.45300	24000.	96	19092	No
63	GOM_NL__2PRFIN20051024_204554_000000442041_00501_19092_7888.N1	24-OCT-2005 20:45:54	Straylight	43.500	52	16Bet Cet	2.0370	4500.0	87	19092	No
64	GOM_NL__2PRFIN20051024_205523_000000342041_00501_19092_7889.N1	24-OCT-2005 20:55:23	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	19092	No
65	GOM_NL__2PRFIN20051024_205916_000000362041_00501_19092_7890.N1	24-OCT-2005 20:59:16	Bright	36.000	58	21Alp And	2.0730	11000.	72	19092	No
66	GOM_NL__2PRFIN20051024_210657_000000352041_00501_19092_7891.N1	24-OCT-2005 21:06:57	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	19092	No
67	GOM_NL__2PRFIN20051024_210813_000000372041_00501_19092_7892.N1	24-OCT-2005 21:08:13	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	19092	No
68	GOM_NL__2PRFIN20051024_211611_000000362041_00501_19092_7893.N1	24-OCT-2005 21:16:11	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	19092	No
69	GOM_NL__2PRFIN20051024_211941_000000362041_00501_19092_7894.N1	24-OCT-2005 21:19:41	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	19092	No
70	GOM_NL__2PRFIN20051024_212540_000000362041_00501_19092_7895.N1	24-OCT-2005 21:25:40	Bright	35.500	32	77Eps UMa	1.7630	11000.	71	19092	No
71	GOM_NL__2PRFIN20051024_213030_000000342041_00501_19092_7896.N1	24-OCT-2005 21:30:30	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	19092	No
72	GOM_NL__2PRFIN20051024_213636_000000462041_00501_19092_7897.N1	24-OCT-2005 21:36:36	Bright	46.000	96	68Del Leo	2.5600	9300.0	92	19092	No
73	GOM_NL__2PRFIN20051024_215614_000000412041_00501_19092_7898.N1	24-OCT-2005 21:56:14	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	19092	No
74	GOM_NL__2PRFIN20051024_220038_000000402042_00001_19093_7885.N1	24-OCT-2005 22:00:38	Dark	39.500	71	Iot Car	2.2460	7700.0	79	19093	No
75	GOM_NL__2PRFIN20051024_221341_000000372042_00001_19093_7886.N1	24-OCT-2005 22:13:41	Dark	37.000	143	Alp Hyi	2.8570	7200.0	74	19093	No
76	GOM_NL__2PRFIN20051024_221506_000000412042_00001_19093_7887.N1	24-OCT-2005 22:15:06	Dark	40.500	9	Alp Eri	0.45300	24000.	81	19093	No
77	GOM_NL__2PRFIN20051024_222630_000000432042_00001_19093_7888.N1	24-OCT-2005 22:26:30	Straylight	42.500	52	16Bet Cet	2.0370	4500.0	85	19093	No
78	GOM_NL__2PRFIN20051024_223559_000000352042_00001_19093_7889.N1	24-OCT-2005 22:35:59	Bright	34.500	140	88Gam Peg	2.8340	26000.	69	19093	No
79	GOM_NL__2PRFIN20051024_223952_000000362042_00001_19093_7890.N1	24-OCT-2005 22:39:52	Bright	36.000	58	21Alp And	2.0730	11000.	72	19093	No
80	GOM_NL__2PRFIN20051024_224733_000000372042_00001_19093_7891.N1	24-OCT-2005 22:47:33	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	19093	No
81	GOM_NL__2PRFIN20051024_224849_000000362042_00001_19093_7892.N1	24-OCT-2005 22:48:49	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19093	No
82	GOM_NL__2PRFIN20051024_225647_000000342042_00001_19093_7893.N1	24-OCT-2005 22:56:47	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	19093	No
83	GOM_NL__2PRFIN20051024_230017_000000332042_00001_19093_7894.N1	24-OCT-2005 23:00:17	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	19093	No
84	GOM_NL__2PRFIN20051024_230616_000000332042_00001_19093_7895.N1	24-OCT-2005 23:06:16	Bright	33.000	32	77Eps UMa	1.7630	11000.	66	19093	No
85	GOM_NL__2PRFIN20051024_231106_000000382042_00001_19093_7896.N1	24-OCT-2005 23:11:06	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	19093	No
86	GOM_NL__2PRFIN20051024_231712_000000352042_00001_19093_7897.N1	24-OCT-2005 23:17:12	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	19093	No
87	GOM_NL__2PRFIN20051024_233650_000000382042_00001_19093_7898.N1	24-OCT-2005 23:36:50	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	19093	No
88	GOM_NL__2PRFIN20051024_234114_000000432042_00002_19094_7885.N1	24-OCT-2005 23:41:14	Dark	42.500	71	Iot Car	2.2460	7700.0	85	19094	No
89	GOM_NL__2PRFIN20051024_235417_000000372042_00002_19094_7886.N1	24-OCT-2005 23:54:17	Dark	36.500	143	Alp Hyi	2.8570	7200.0	73	19094	No
90	GOM_NL__2PRFIN20051024_235542_000000402042_00002_19094_7887.N1	24-OCT-2005 23:55:42	Dark	39.500	9	Alp Eri	0.45300	24000.	79	19094	No

3. Quality information per product

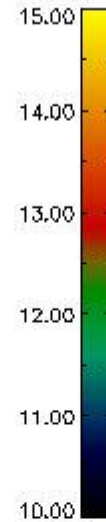
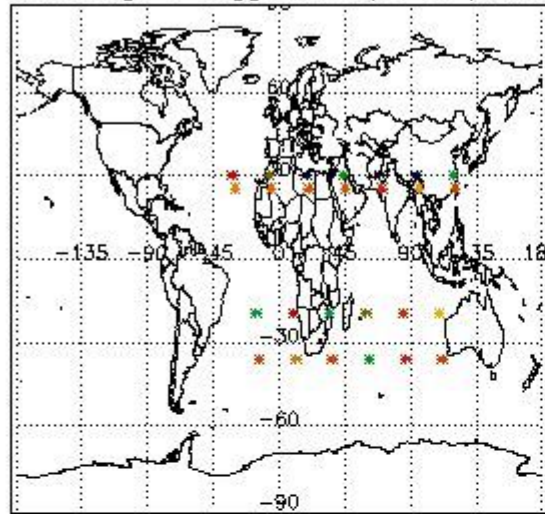
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

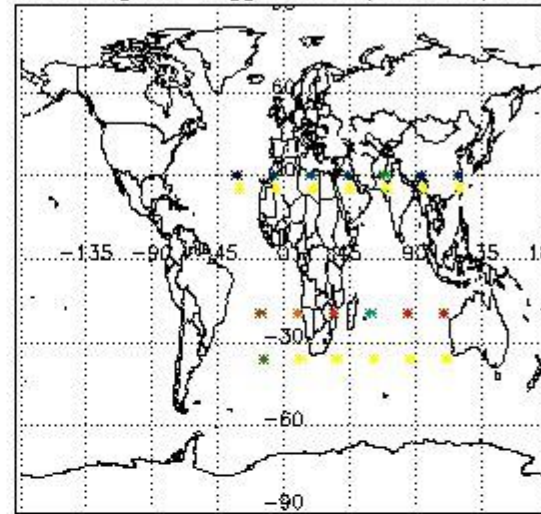


3.2 Plot quality information per product (world map)

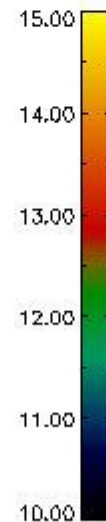
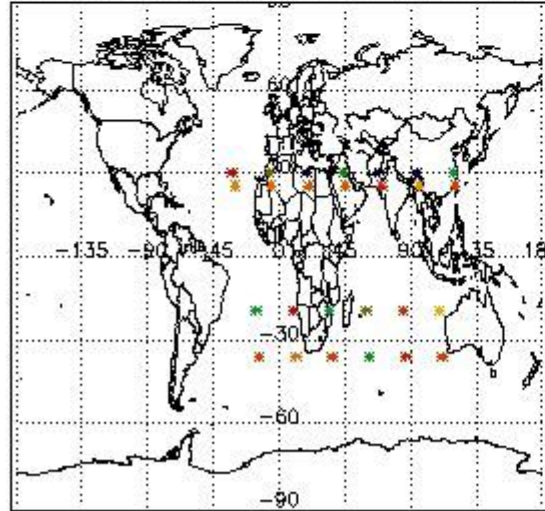
Percentage of flagged data per O3 profile



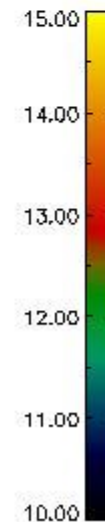
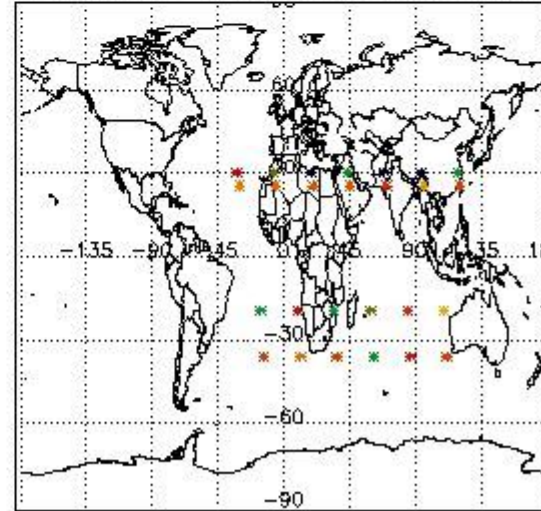
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

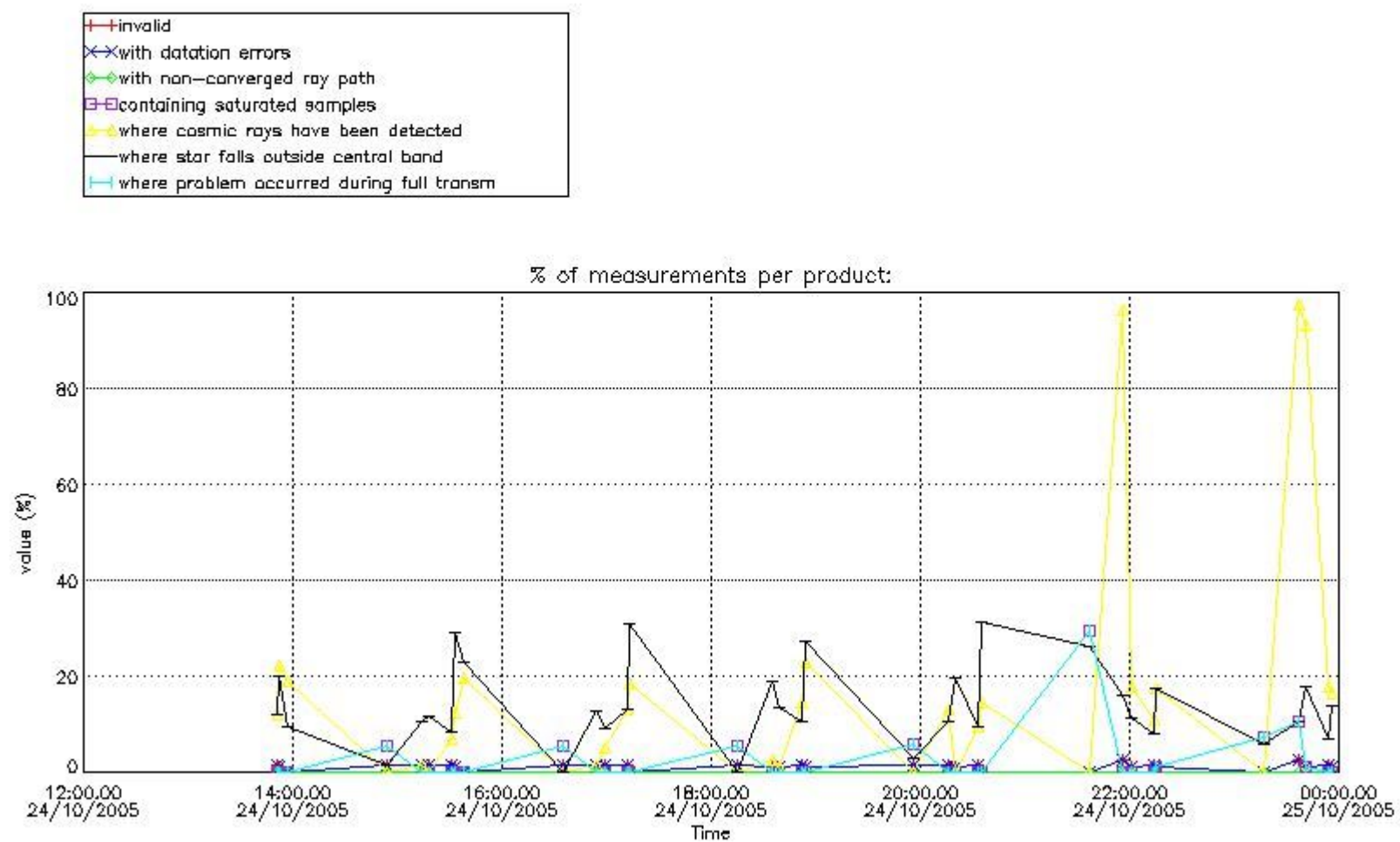


4. Level 1 quality information per product

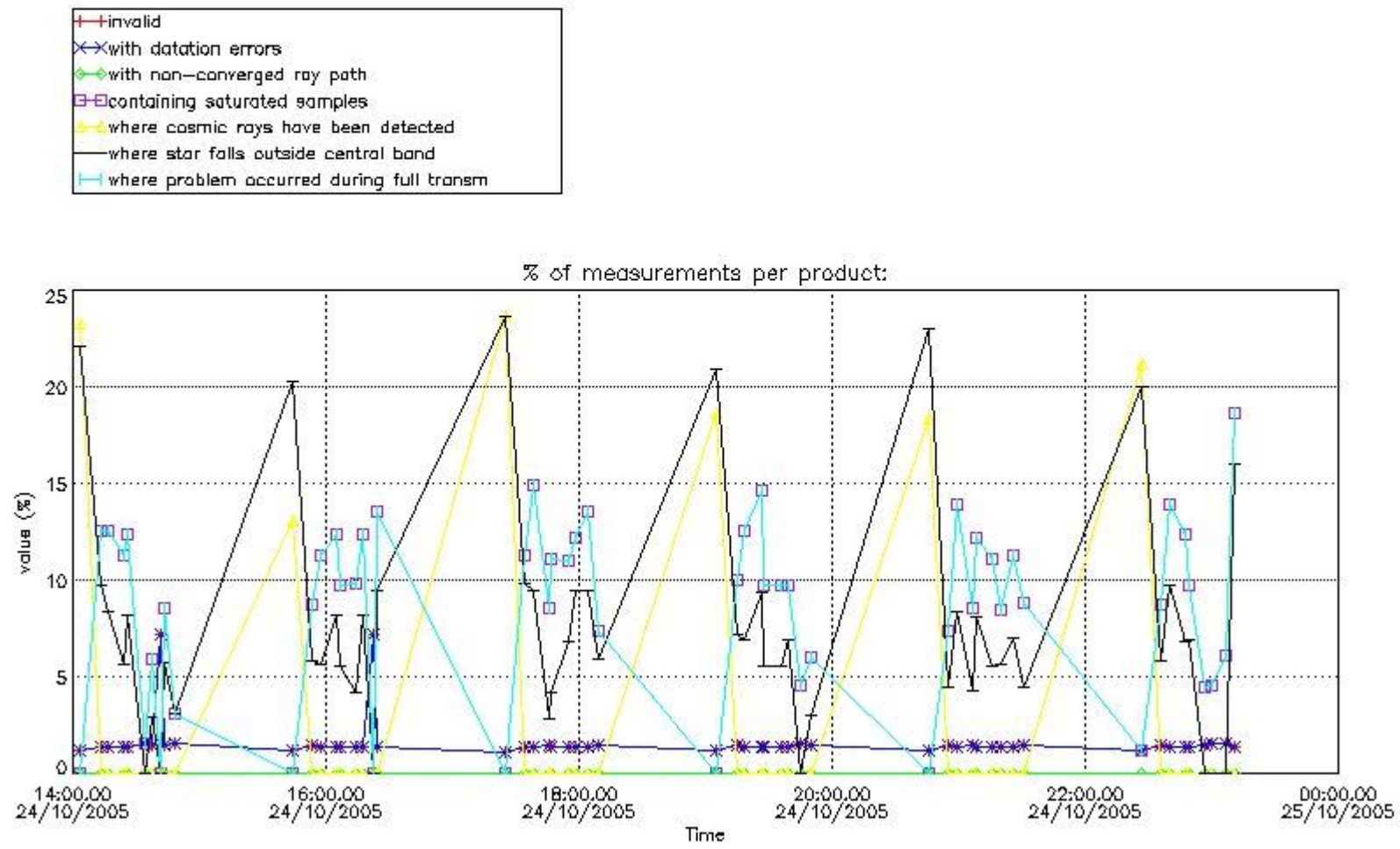
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



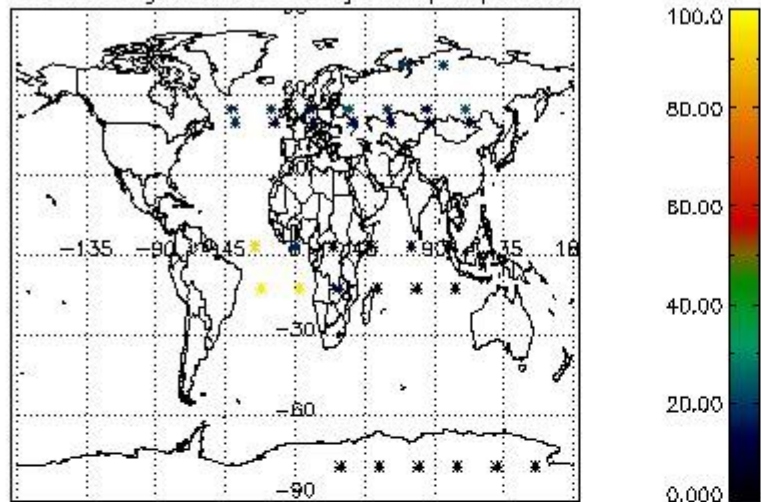
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



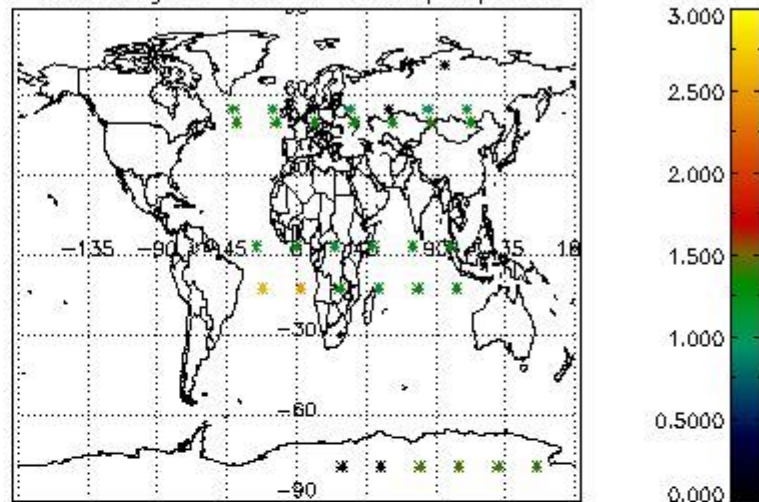
4.2 Plot quality information per product coming from level 1b processing (world map)

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

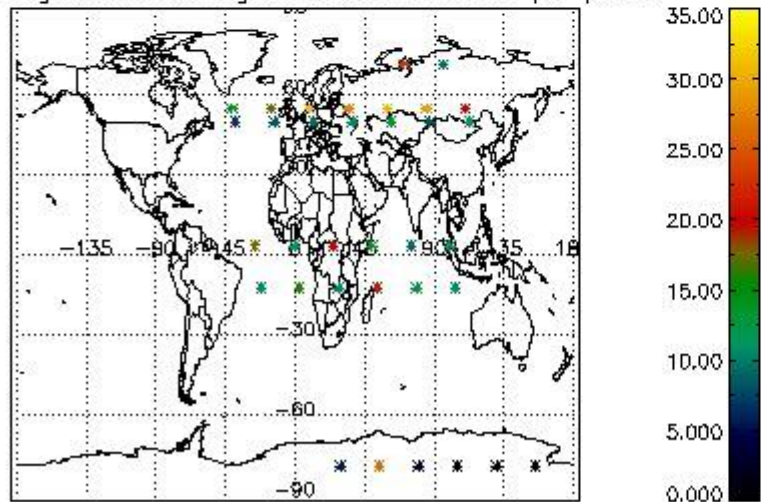
Percentage of cosmic ray hits per profile



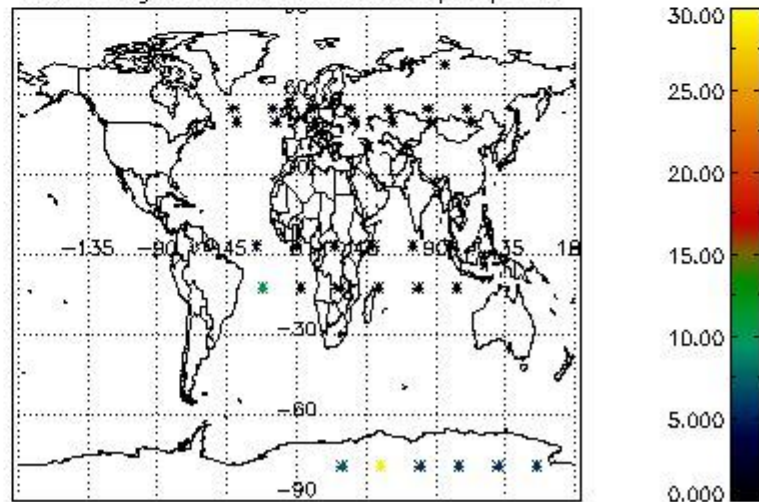
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

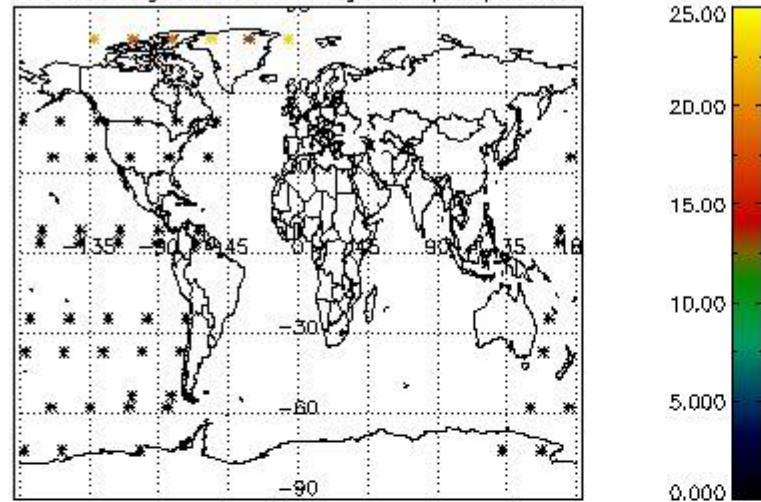


Percentage of saturation errors per profile

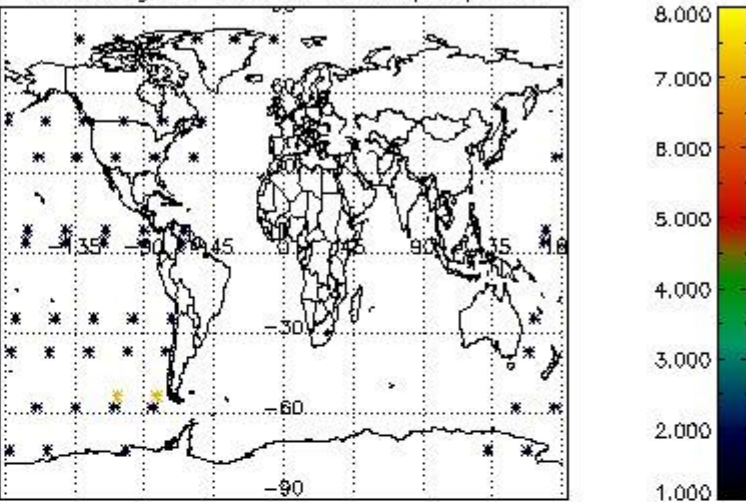


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

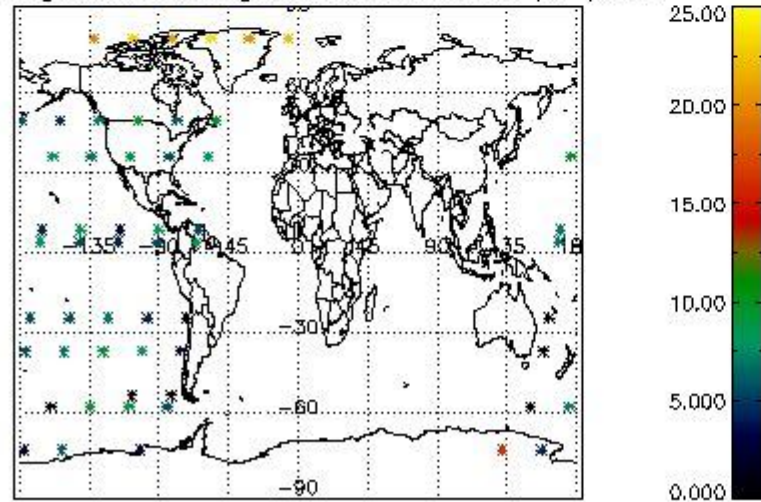
Percentage of cosmic ray hits per profile



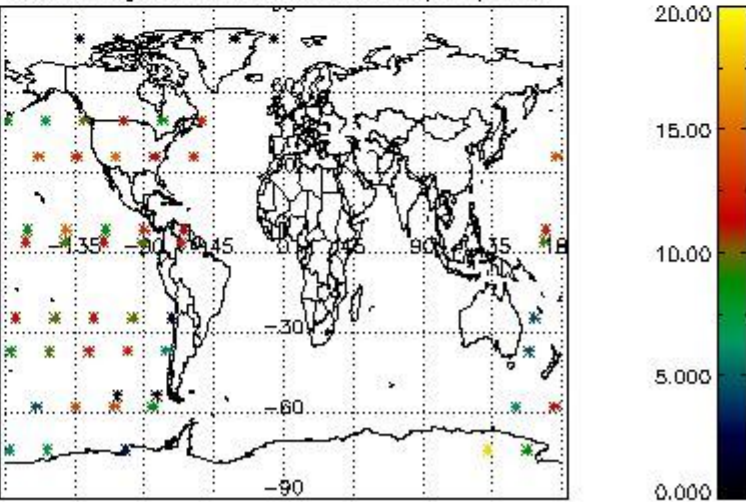
Percentage of datation errors per profile



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

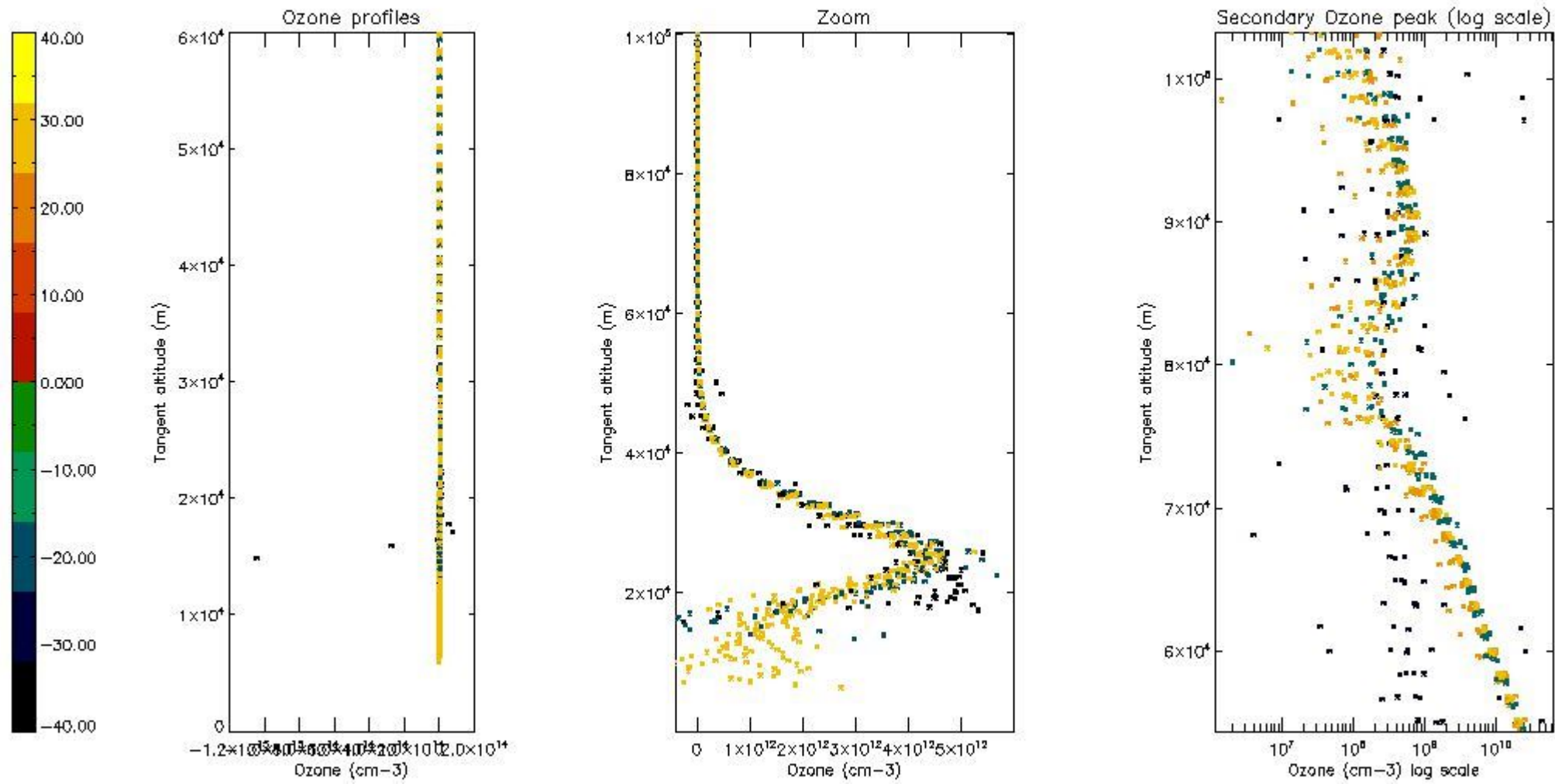
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	18

STD < 10	13
STD < 5	6

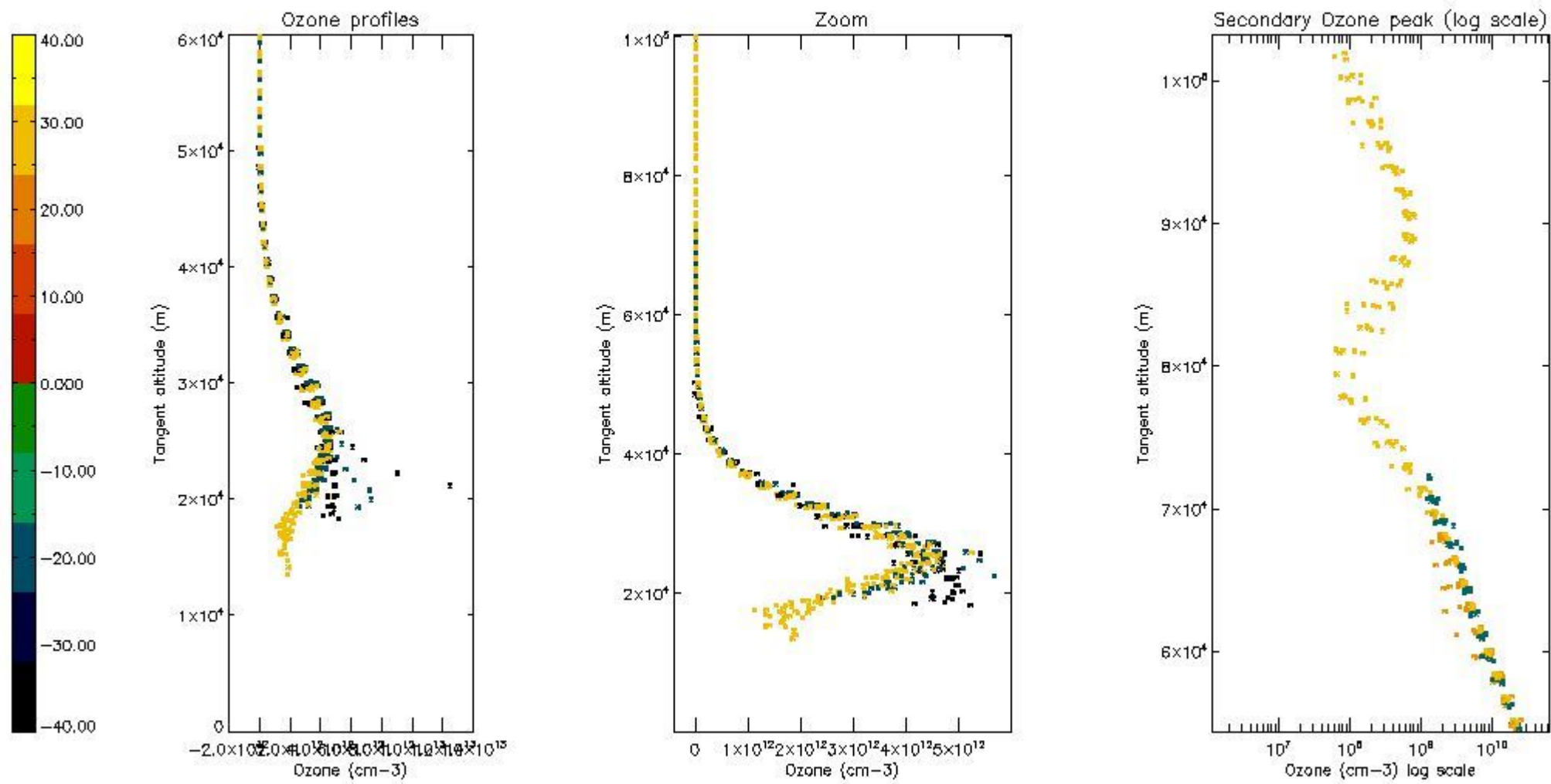
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



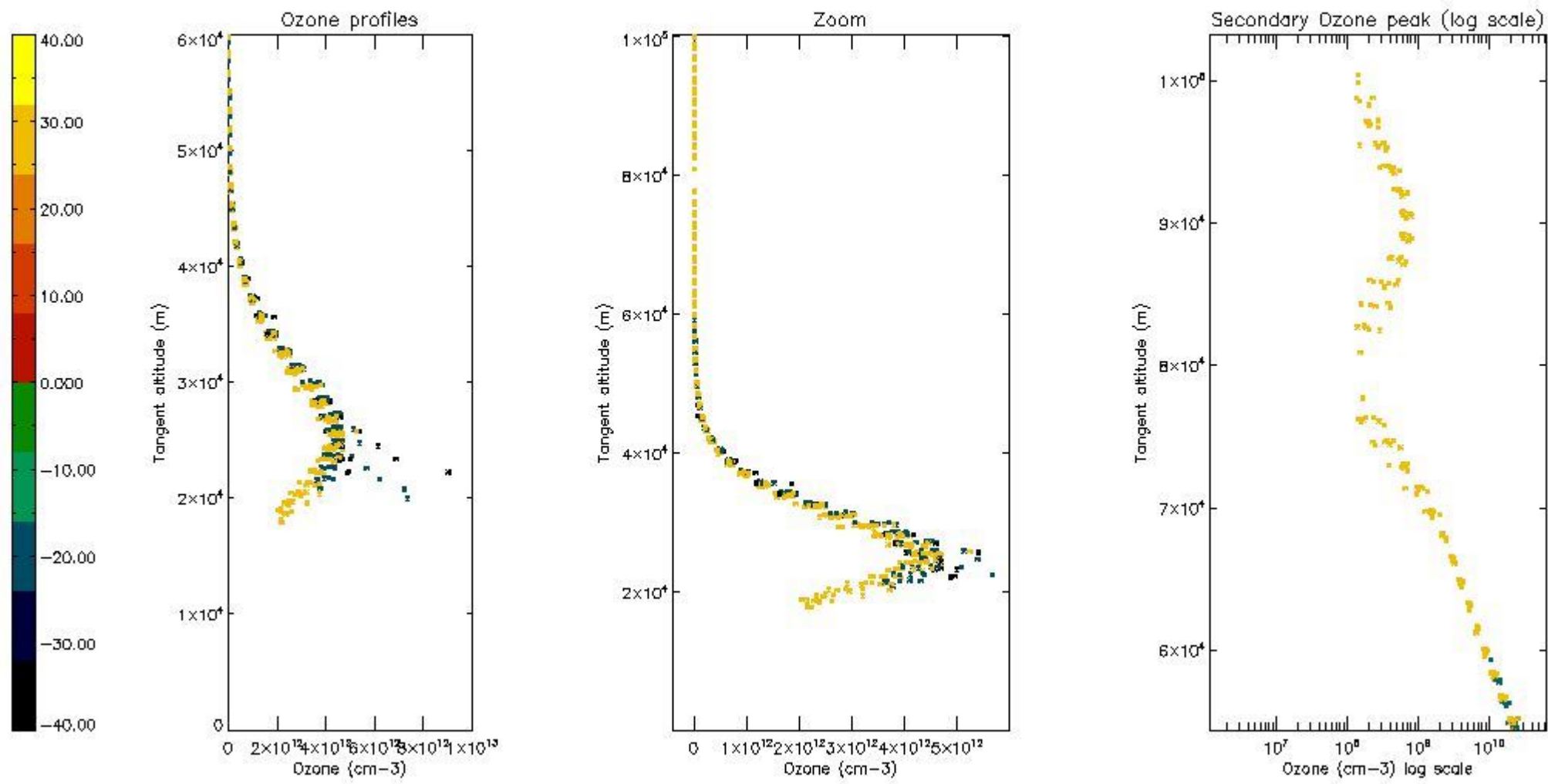
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



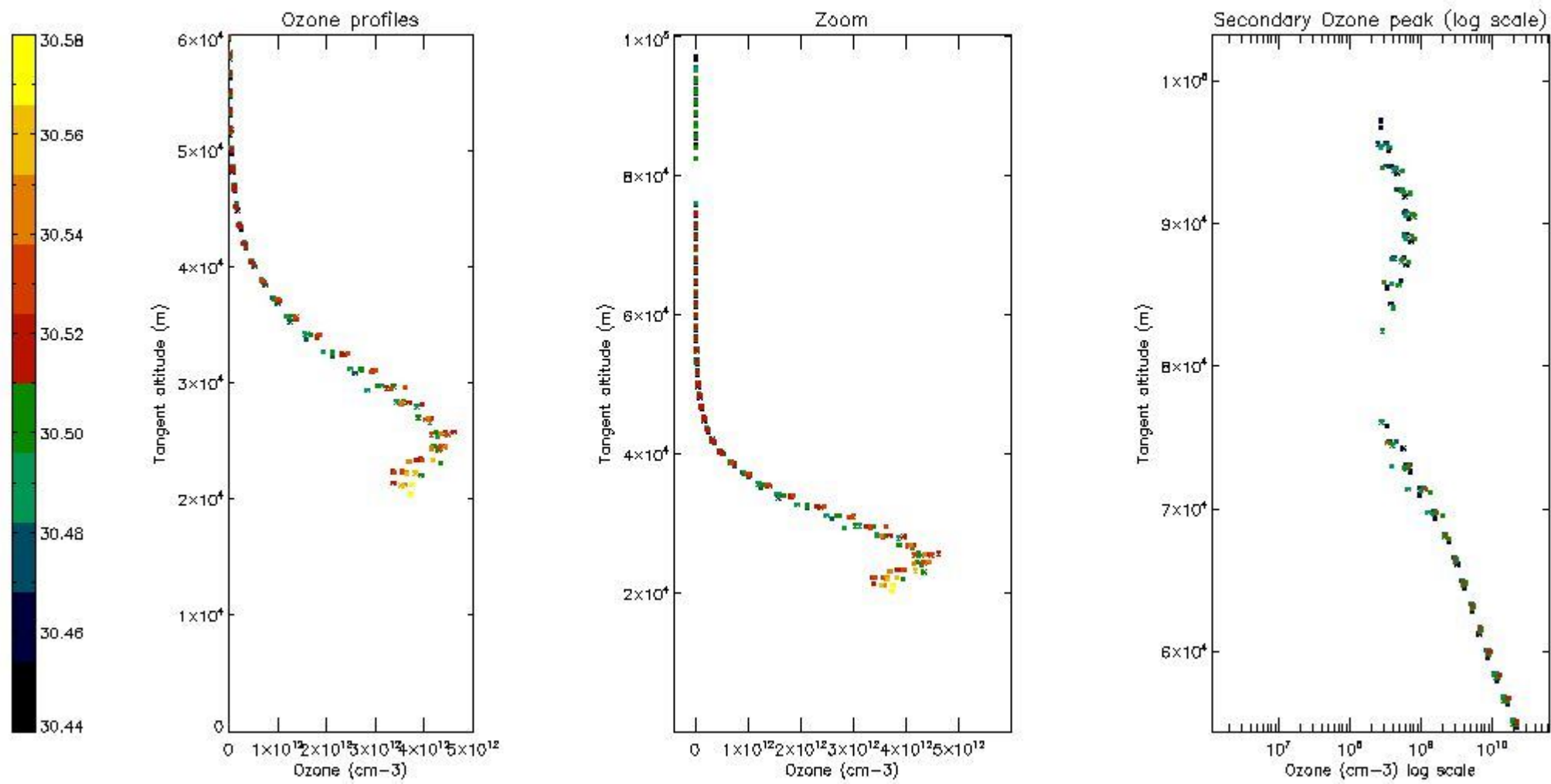
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



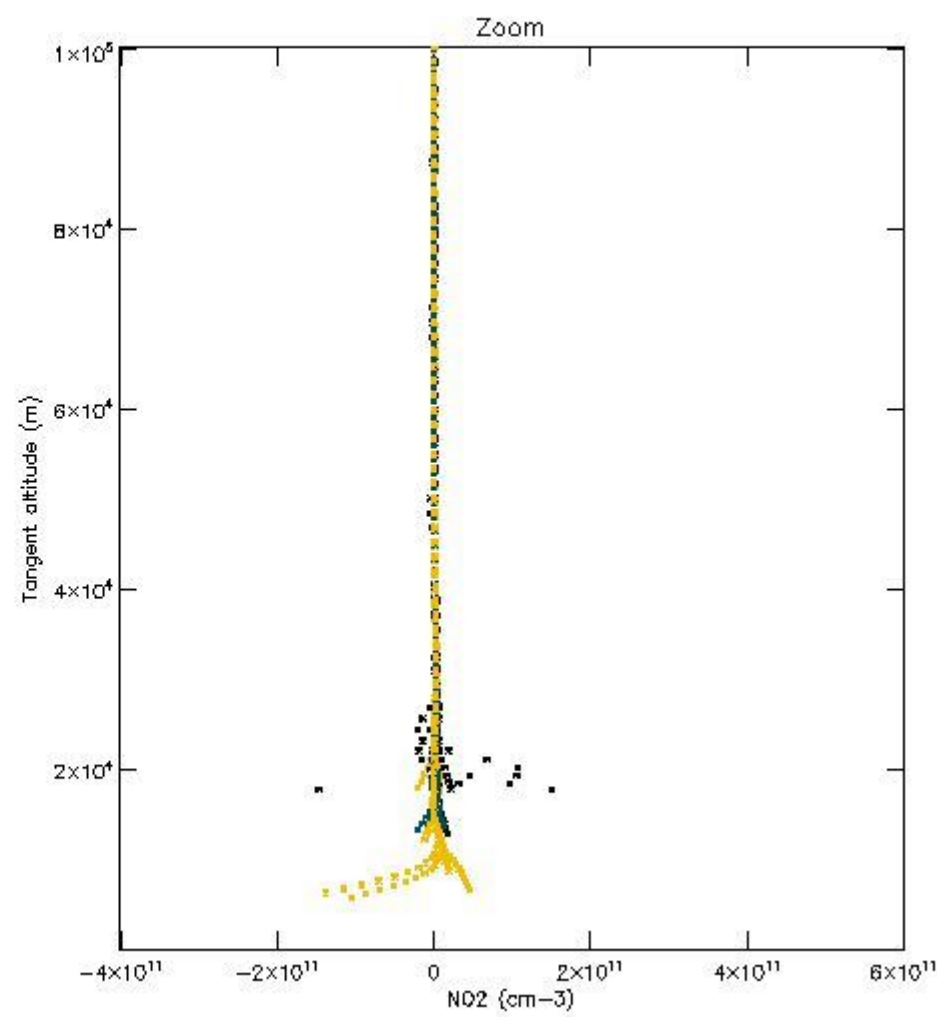
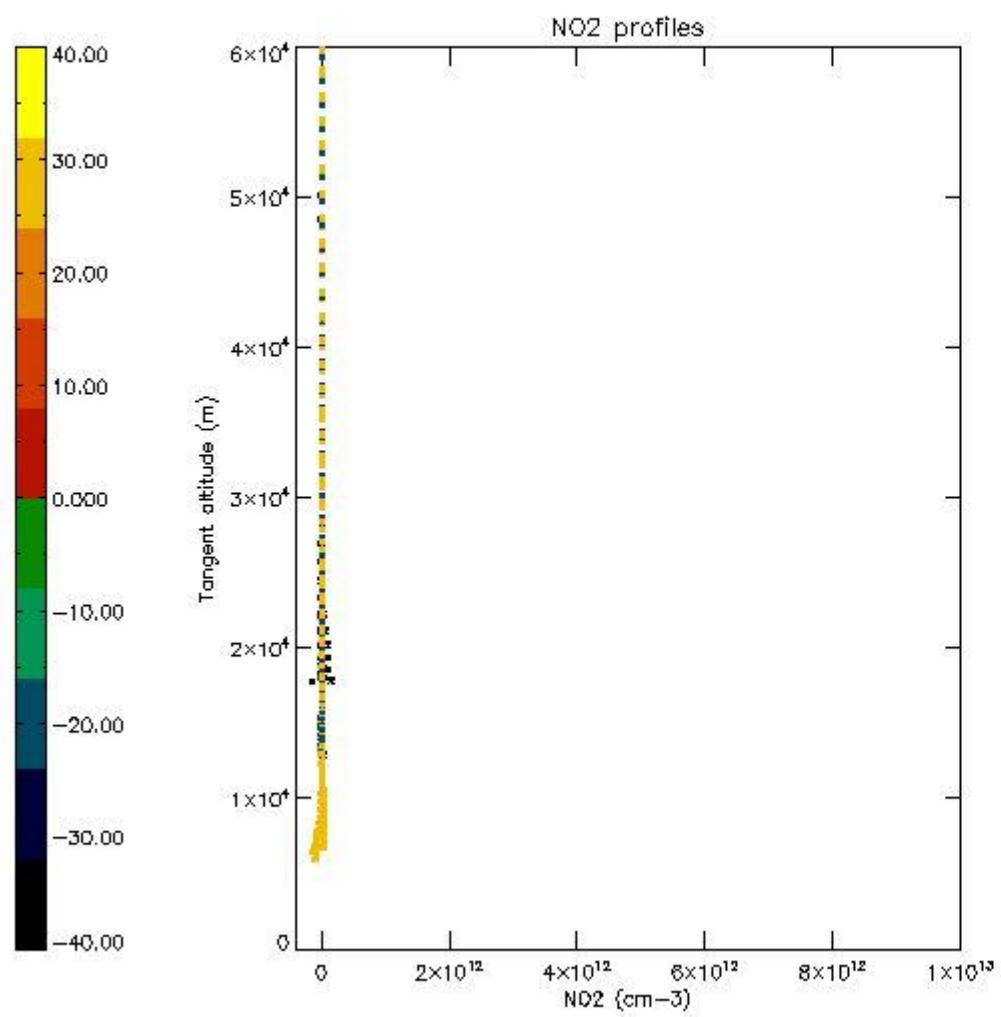
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



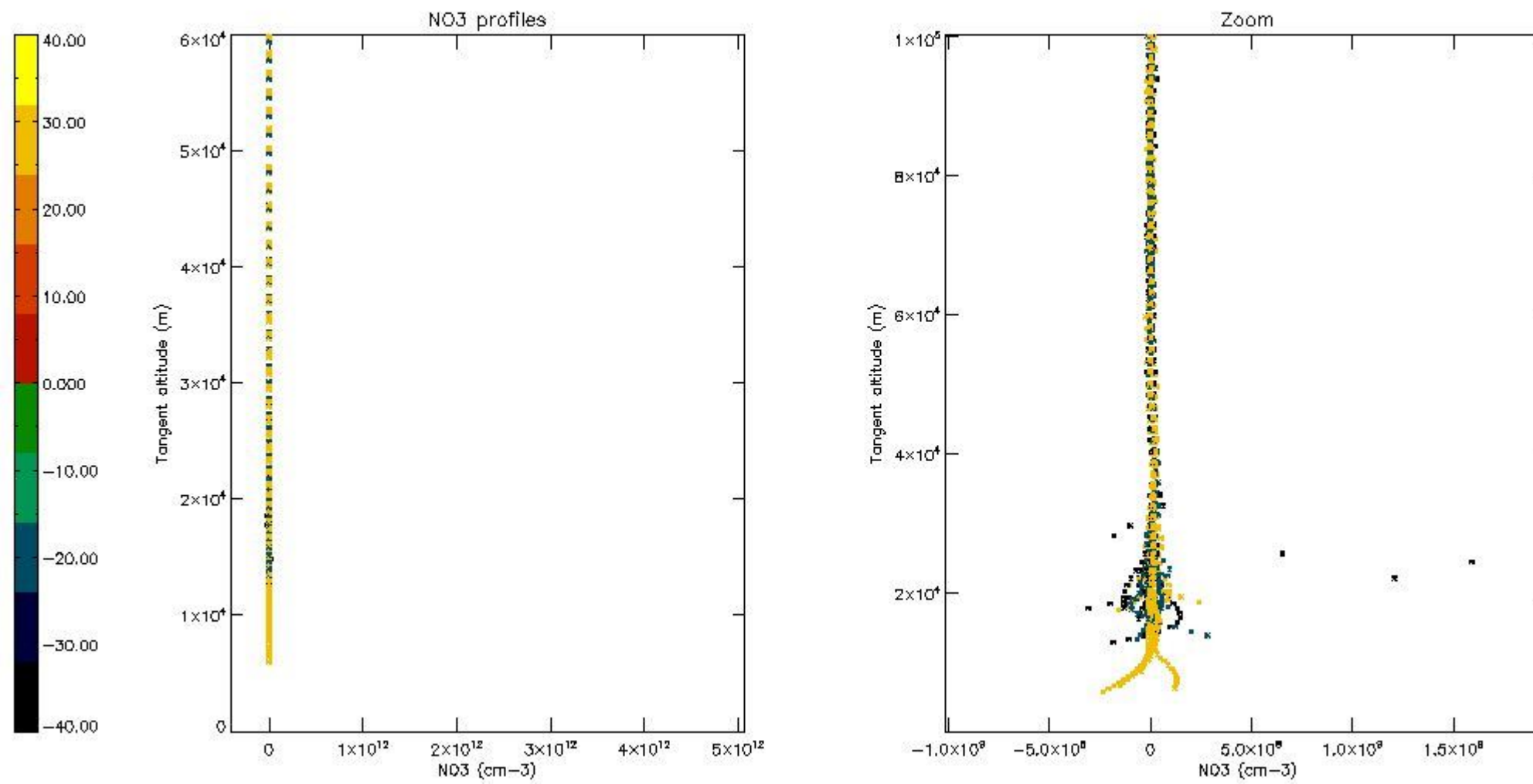
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-OCT-2005 13:50:40
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2005 13:50:40
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2005 13:50:40

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	18APR2013 12:02:33
Data source version	GOMOS/6.01
Start time of products	24-10-2005 (24OCT2005 00:00:00)
Stop time of products	25-10-2005 (25OCT2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	90
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

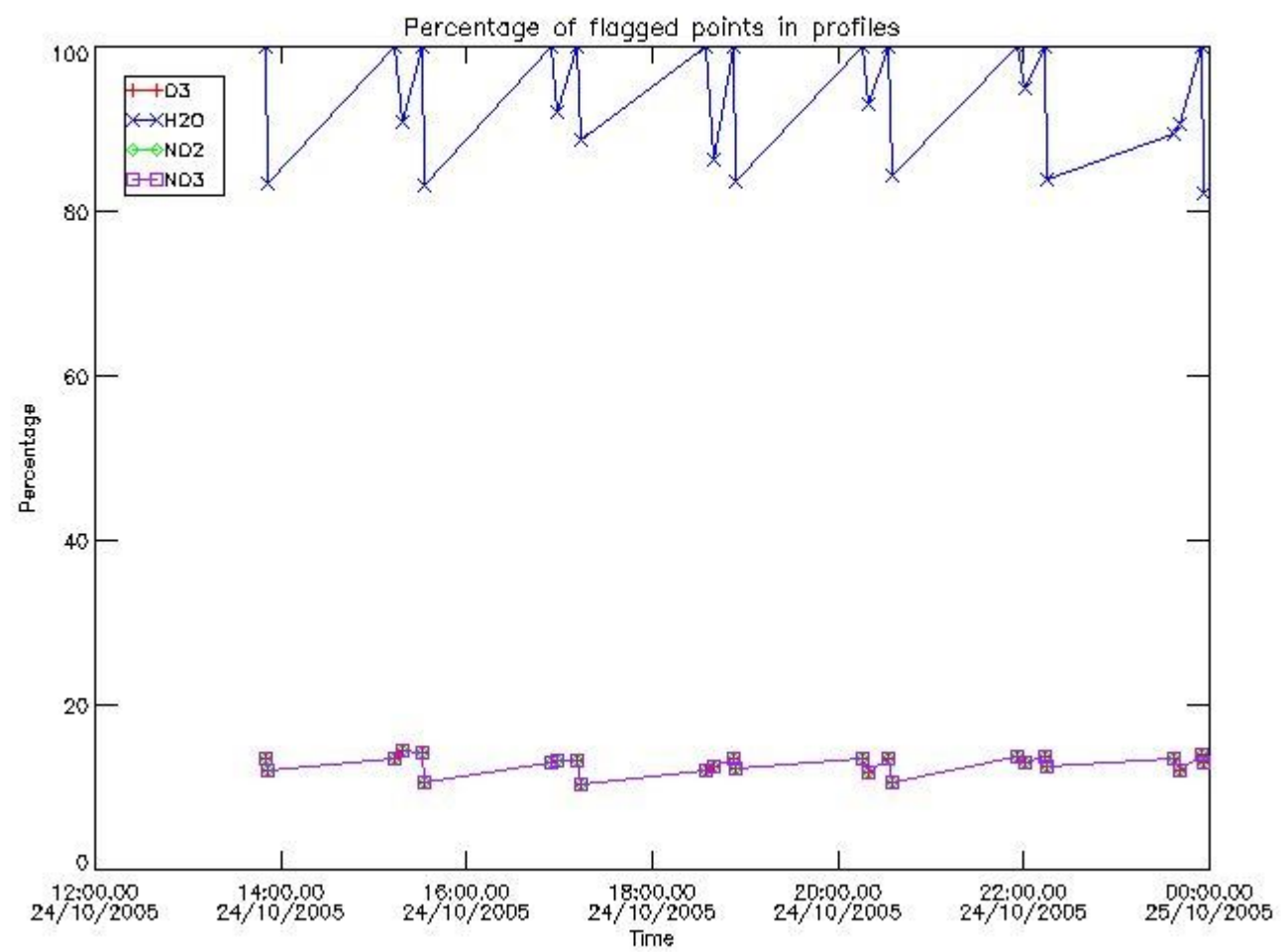
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20051024_135040_000000382041_00497_19088_8030.N1	24-OCT-2005 13:50:40	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	19088	No
2	GOM_NL__2PRFIN20051024_135205_000000432041_00497_19088_8031.N1	24-OCT-2005 13:52:05	Dark	42.500	9	Alp Eri	0.45300	24000.	85	19088	No
3	GOM_NL__2PRFIN20051024_135656_000000372041_00497_19088_8032.N1	24-OCT-2005 13:56:56	Straylight	37.000	84	Alp Phe	2.3970	4500.0	74	19088	No
4	GOM_NL__2PRFIN20051024_140330_000000432041_00497_19088_8033.N1	24-OCT-2005 14:03:30	Straylight	43.000	52	16Bet Cet	2.0370	4500.0	86	19088	No
5	GOM_NL__2PRFIN20051024_141259_000000362041_00497_19088_8034.N1	24-OCT-2005 14:12:59	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	19088	No
6	GOM_NL__2PRFIN20051024_141652_000000362041_00497_19088_8035.N1	24-OCT-2005 14:16:52	Bright	36.000	58	21Alp And	2.0730	11000.	72	19088	No
7	GOM_NL__2PRFIN20051024_142433_000000362041_00497_19088_8036.N1	24-OCT-2005 14:24:33	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	19088	No
8	GOM_NL__2PRFIN20051024_142550_000000372041_00497_19088_8037.N1	24-OCT-2005 14:25:50	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	19088	No
9	GOM_NL__2PRFIN20051024_143348_000000322041_00497_19088_8038.N1	24-OCT-2005 14:33:48	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	19088	No
10	GOM_NL__2PRFIN20051024_143717_000000342041_00497_19088_8039.N1	24-OCT-2005 14:37:17	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	19088	No
11	GOM_NL__2PRFIN20051024_144202_000000072041_00497_19088_8040.N1	24-OCT-2005 14:42:02	Straylight	7.0000	36	50Alp UMa	1.8000	6300.0	14	19088	No
12	GOM_NL__2PRFIN20051024_144316_000000352041_00497_19088_8041.N1	24-OCT-2005 14:43:16	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	19088	No
13	GOM_NL__2PRFIN20051024_144806_000000322041_00497_19088_8042.N1	24-OCT-2005 14:48:06	Bright	32.000	152	12Alp2CVn	2.8900	11000.	64	19088	No
14	GOM_NL__2PRFIN20051024_145411_000000362041_00497_19088_8043.N1	24-OCT-2005 14:54:11	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	19088	No
15	GOM_NL__2PRFIN20051024_151349_000000382041_00497_19088_8044.N1	24-OCT-2005 15:13:49	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	19088	No
16	GOM_NL__2PRFIN20051024_151812_000000392041_00498_19089_7865.N1	24-OCT-2005 15:18:12	Dark	39.000	71	Iot Car	2.2460	7700.0	78	19089	No
17	GOM_NL__2PRFIN20051024_153117_000000362041_00498_19089_7866.N1	24-OCT-2005 15:31:17	Dark	36.000	143	Alp Hyi	2.8570	7200.0	72	19089	No
18	GOM_NL__2PRFIN20051024_153241_000000482041_00498_19089_7867.N1	24-OCT-2005 15:32:41	Dark	48.000	9	Alp Eri	0.45300	24000.	96	19089	No
19	GOM_NL__2PRFIN20051024_153732_000000442041_00498_19089_7868.N1	24-OCT-2005 15:37:32	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	19089	No
20	GOM_NL__2PRFIN20051024_154406_000000422041_00498_19089_7869.N1	24-OCT-2005 15:44:06	Straylight	42.000	52	16Bet Cet	2.0370	4500.0	84	19089	No
21	GOM_NL__2PRFIN20051024_155335_000000352041_00498_19089_7870.N1	24-OCT-2005 15:53:35	Bright	34.500	140	88Gam Peg	2.8340	26000.	69	19089	No
22	GOM_NL__2PRFIN20051024_155728_000000362041_00498_19089_7871.N1	24-OCT-2005 15:57:28	Bright	35.500	58	21Alp And	2.0730	11000.	71	19089	No
23	GOM_NL__2PRFIN20051024_160509_000000372041_00498_19089_7872.N1	24-OCT-2005 16:05:09	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	19089	No
24	GOM_NL__2PRFIN20051024_160626_000000362041_00498_19089_7873.N1	24-OCT-2005 16:06:26	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19089	No
25	GOM_NL__2PRFIN20051024_161423_000000362041_00498_19089_7874.N1	24-OCT-2005 16:14:23	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	19089	No
26	GOM_NL__2PRFIN20051024_161753_000000372041_00498_19089_7875.N1	24-OCT-2005 16:17:53	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	19089	No
27	GOM_NL__2PRFIN20051024_162238_000000072041_00498_19089_7876.N1	24-OCT-2005 16:22:38	Straylight	7.0000	36	50Alp UMa	1.8000	6300.0	14	19089	No
28	GOM_NL__2PRFIN20051024_162352_000000372041_00498_19089_7877.N1	24-OCT-2005 16:23:52	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	19089	No
29	GOM_NL__2PRFIN20051024_163447_000000362041_00498_19089_7878.N1	24-OCT-2005 16:34:47	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	19089	No
30	GOM_NL__2PRFIN20051024_165425_000000392041_00498_19089_7879.N1	24-OCT-2005 16:54:25	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	19089	No
31	GOM_NL__2PRFIN20051024_165849_000000392041_00499_19090_7885.N1	24-OCT-2005 16:58:49	Dark	38.500	71	Iot Car	2.2460	7700.0	77	19090	No
32	GOM_NL__2PRFIN20051024_171153_000000392041_00499_19090_7886.N1	24-OCT-2005 17:11:53	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	19090	No
33	GOM_NL__2PRFIN20051024_171318_000000492041_00499_19090_7887.N1	24-OCT-2005 17:13:18	Dark	48.500	9	Alp Eri	0.45300	24000.	97	19090	No
34	GOM_NL__2PRFIN20051024_171830_00000012041_00499_19090_7888.N1	24-OCT-2005 17:18:30	Dark	1.0000	84	Alp Phe	2.3970	4500.0	2	19090	Yes
35	GOM_NL__2PRFIN20051024_172442_000000452041_00499_19090_7889.N1	24-OCT-2005 17:24:42	Straylight	44.500	52	16Bet Cet	2.0370	4500.0	89	19090	No
36	GOM_NL__2PRFIN20051024_173411_000000362041_00499_19090_7890.N1	24-OCT-2005 17:34:11	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	19090	No
37	GOM_NL__2PRFIN20051024_173804_000000372041_00499_19090_7891.N1	24-OCT-2005 17:38:04	Bright	37.000	58	21Alp And	2.0730	11000.	74	19090	No
38	GOM_NL__2PRFIN20051024_174545_000000352041_00499_19090_7892.N1	24-OCT-2005 17:45:45	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	19090	No
39	GOM_NL__2PRFIN20051024_174701_000000362041_00499_19090_7893.N1	24-OCT-2005 17:47:01	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19090	No
40	GOM_NL__2PRFIN20051024_175459_000000372041_00499_19090_7894.N1	24-OCT-2005 17:54:59	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	19090	No
41	GOM_NL__2PRFIN20051024_175829_000000372041_00499_19090_7895.N1	24-OCT-2005 17:58:29	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	19090	No
42	GOM_NL__2PRFIN20051024_180428_000000372041_00499_19090_7896.N1	24-OCT-2005 18:04:28	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	19090	No

43	GOM_NL__2PRFIN20051024_180918_000000342041_00499_19090_7897.N1	24-OCT-2005 18:09:18	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	19090	No
44	GOM_NL__2PRFIN20051024_181524_000000362041_00499_19090_7898.N1	24-OCT-2005 18:15:24	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	19090	No
45	GOM_NL__2PRFIN20051024_183501_000000422041_00499_19090_7899.N1	24-OCT-2005 18:35:01	Dark	42.000	113	Mu Vel	2.6920	5000.0	84	19090	No
46	GOM_NL__2PRFIN20051024_183925_000000412041_00500_19091_7885.N1	24-OCT-2005 18:39:25	Dark	40.500	71	Iot Car	2.2460	7700.0	81	19091	No
47	GOM_NL__2PRFIN20051024_185229_000000382041_00500_19091_7886.N1	24-OCT-2005 18:52:29	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	19091	No
48	GOM_NL__2PRFIN20051024_185354_000000462041_00500_19091_7887.N1	24-OCT-2005 18:53:54	Dark	46.000	9	Alp Eri	0.45300	24000.	92	19091	No
49	GOM_NL__2PRFIN20051024_190518_000000432041_00500_19091_7888.N1	24-OCT-2005 19:05:18	Straylight	43.000	52	16Bet Cet	2.0370	4500.0	86	19091	No
50	GOM_NL__2PRFIN20051024_191447_000000352041_00500_19091_7889.N1	24-OCT-2005 19:14:47	Bright	35.000	140	88Gam Peg	2.8340	26000.	70	19091	No
51	GOM_NL__2PRFIN20051024_191840_000000362041_00500_19091_7890.N1	24-OCT-2005 19:18:40	Bright	36.000	58	21Alp And	2.0730	11000.	72	19091	No
52	GOM_NL__2PRFIN20051024_192621_000000382041_00500_19091_7891.N1	24-OCT-2005 19:26:21	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	19091	No
53	GOM_NL__2PRFIN20051024_192737_000000362041_00500_19091_7892.N1	24-OCT-2005 19:27:37	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19091	No
54	GOM_NL__2PRFIN20051024_193535_000000362041_00500_19091_7893.N1	24-OCT-2005 19:35:35	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	19091	No
55	GOM_NL__2PRFIN20051024_193905_000000362041_00500_19091_7894.N1	24-OCT-2005 19:39:05	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	19091	No
56	GOM_NL__2PRFIN20051024_194504_000000332041_00500_19091_7895.N1	24-OCT-2005 19:45:04	Bright	33.000	32	77Eps UMa	1.7630	11000.	66	19091	No
57	GOM_NL__2PRFIN20051024_194954_000000342041_00500_19091_7896.N1	24-OCT-2005 19:49:54	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	19091	No
58	GOM_NL__2PRFIN20051024_195600_000000352041_00500_19091_7897.N1	24-OCT-2005 19:56:00	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	19091	No
59	GOM_NL__2PRFIN20051024_201538_000000382041_00500_19091_7898.N1	24-OCT-2005 20:15:38	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	19091	No
60	GOM_NL__2PRFIN20051024_202002_000000432041_00501_19092_7885.N1	24-OCT-2005 20:20:02	Dark	43.000	71	Iot Car	2.2460	7700.0	86	19092	No
61	GOM_NL__2PRFIN20051024_203305_000000382041_00501_19092_7886.N1	24-OCT-2005 20:33:05	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	19092	No
62	GOM_NL__2PRFIN20051024_203430_000000482041_00501_19092_7887.N1	24-OCT-2005 20:34:30	Dark	48.000	9	Alp Eri	0.45300	24000.	96	19092	No
63	GOM_NL__2PRFIN20051024_204554_000000442041_00501_19092_7888.N1	24-OCT-2005 20:45:54	Straylight	43.500	52	16Bet Cet	2.0370	4500.0	87	19092	No
64	GOM_NL__2PRFIN20051024_205523_000000342041_00501_19092_7889.N1	24-OCT-2005 20:55:23	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	19092	No
65	GOM_NL__2PRFIN20051024_205916_000000362041_00501_19092_7890.N1	24-OCT-2005 20:59:16	Bright	36.000	58	21Alp And	2.0730	11000.	72	19092	No
66	GOM_NL__2PRFIN20051024_210657_000000352041_00501_19092_7891.N1	24-OCT-2005 21:06:57	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	19092	No
67	GOM_NL__2PRFIN20051024_210813_000000372041_00501_19092_7892.N1	24-OCT-2005 21:08:13	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	19092	No
68	GOM_NL__2PRFIN20051024_211611_000000362041_00501_19092_7893.N1	24-OCT-2005 21:16:11	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	19092	No
69	GOM_NL__2PRFIN20051024_211941_000000362041_00501_19092_7894.N1	24-OCT-2005 21:19:41	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	19092	No
70	GOM_NL__2PRFIN20051024_212540_000000362041_00501_19092_7895.N1	24-OCT-2005 21:25:40	Bright	35.500	32	77Eps UMa	1.7630	11000.	71	19092	No
71	GOM_NL__2PRFIN20051024_213030_000000342041_00501_19092_7896.N1	24-OCT-2005 21:30:30	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	19092	No
72	GOM_NL__2PRFIN20051024_213636_000000462041_00501_19092_7897.N1	24-OCT-2005 21:36:36	Bright	46.000	96	68Del Leo	2.5600	9300.0	92	19092	No
73	GOM_NL__2PRFIN20051024_215614_000000412041_00501_19092_7898.N1	24-OCT-2005 21:56:14	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	19092	No
74	GOM_NL__2PRFIN20051024_220038_000000402042_00001_19093_7885.N1	24-OCT-2005 22:00:38	Dark	39.500	71	Iot Car	2.2460	7700.0	79	19093	No
75	GOM_NL__2PRFIN20051024_221341_000000372042_00001_19093_7886.N1	24-OCT-2005 22:13:41	Dark	37.000	143	Alp Hyi	2.8570	7200.0	74	19093	No
76	GOM_NL__2PRFIN20051024_221506_000000412042_00001_19093_7887.N1	24-OCT-2005 22:15:06	Dark	40.500	9	Alp Eri	0.45300	24000.	81	19093	No
77	GOM_NL__2PRFIN20051024_222630_000000432042_00001_19093_7888.N1	24-OCT-2005 22:26:30	Straylight	42.500	52	16Bet Cet	2.0370	4500.0	85	19093	No
78	GOM_NL__2PRFIN20051024_223559_000000352042_00001_19093_7889.N1	24-OCT-2005 22:35:59	Bright	34.500	140	88Gam Peg	2.8340	26000.	69	19093	No
79	GOM_NL__2PRFIN20051024_223952_000000362042_00001_19093_7890.N1	24-OCT-2005 22:39:52	Bright	36.000	58	21Alp And	2.0730	11000.	72	19093	No
80	GOM_NL__2PRFIN20051024_224733_000000372042_00001_19093_7891.N1	24-OCT-2005 22:47:33	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	19093	No
81	GOM_NL__2PRFIN20051024_224849_000000362042_00001_19093_7892.N1	24-OCT-2005 22:48:49	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	19093	No
82	GOM_NL__2PRFIN20051024_225647_000000342042_00001_19093_7893.N1	24-OCT-2005 22:56:47	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	19093	No
83	GOM_NL__2PRFIN20051024_230017_000000332042_00001_19093_7894.N1	24-OCT-2005 23:00:17	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	19093	No
84	GOM_NL__2PRFIN20051024_230616_000000332042_00001_19093_7895.N1	24-OCT-2005 23:06:16	Bright	33.000	32	77Eps UMa	1.7630	11000.	66	19093	No
85	GOM_NL__2PRFIN20051024_231106_000000382042_00001_19093_7896.N1	24-OCT-2005 23:11:06	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	19093	No
86	GOM_NL__2PRFIN20051024_231712_000000352042_00001_19093_7897.N1	24-OCT-2005 23:17:12	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	19093	No
87	GOM_NL__2PRFIN20051024_233650_000000382042_00001_19093_7898.N1	24-OCT-2005 23:36:50	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	19093	No
88	GOM_NL__2PRFIN20051024_234114_000000432042_00002_19094_7885.N1	24-OCT-2005 23:41:14	Dark	42.500	71	Iot Car	2.2460	7700.0	85	19094	No
89	GOM_NL__2PRFIN20051024_235417_000000372042_00002_19094_7886.N1	24-OCT-2005 23:54:17	Dark	36.500	143	Alp Hyi	2.8570	7200.0	73	19094	No
90	GOM_NL__2PRFIN20051024_235542_000000402042_00002_19094_7887.N1	24-OCT-2005 23:55:42	Dark	39.500	9	Alp Eri	0.45300	24000.	79	19094	No

3. Quality information per product

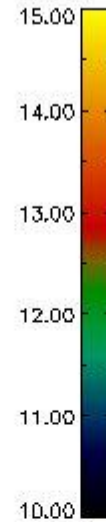
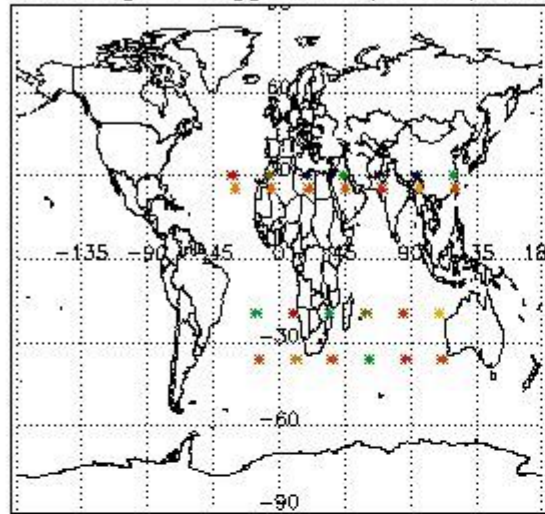
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

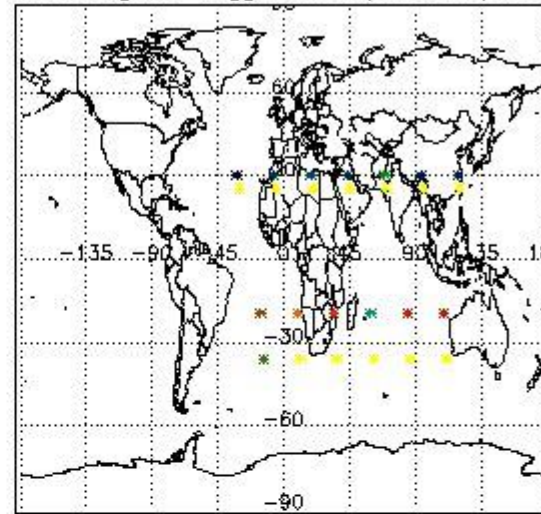


3.2 Plot quality information per product (world map)

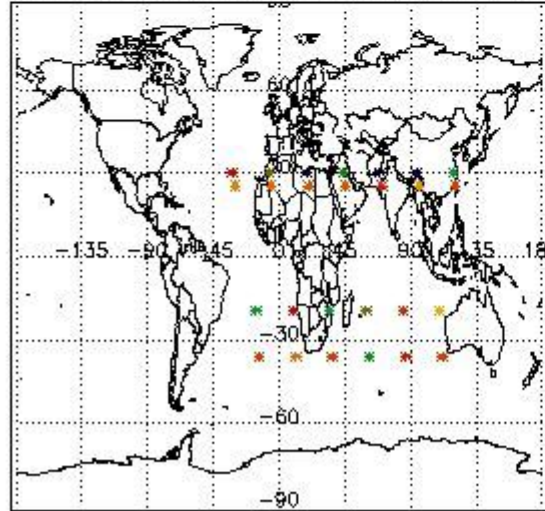
Percentage of flagged data per O3 profile



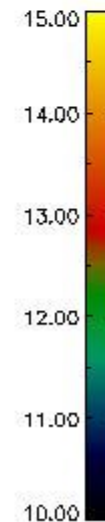
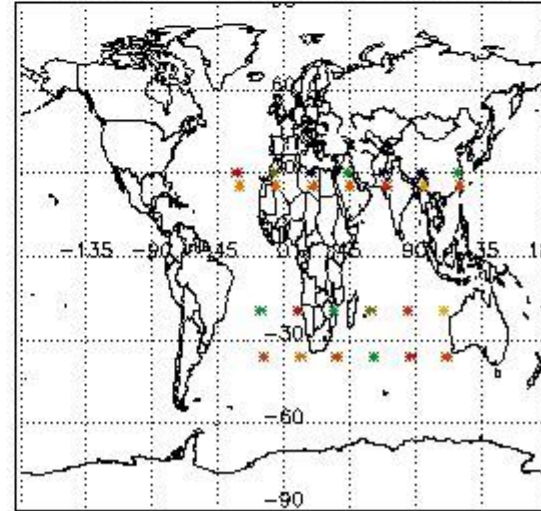
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

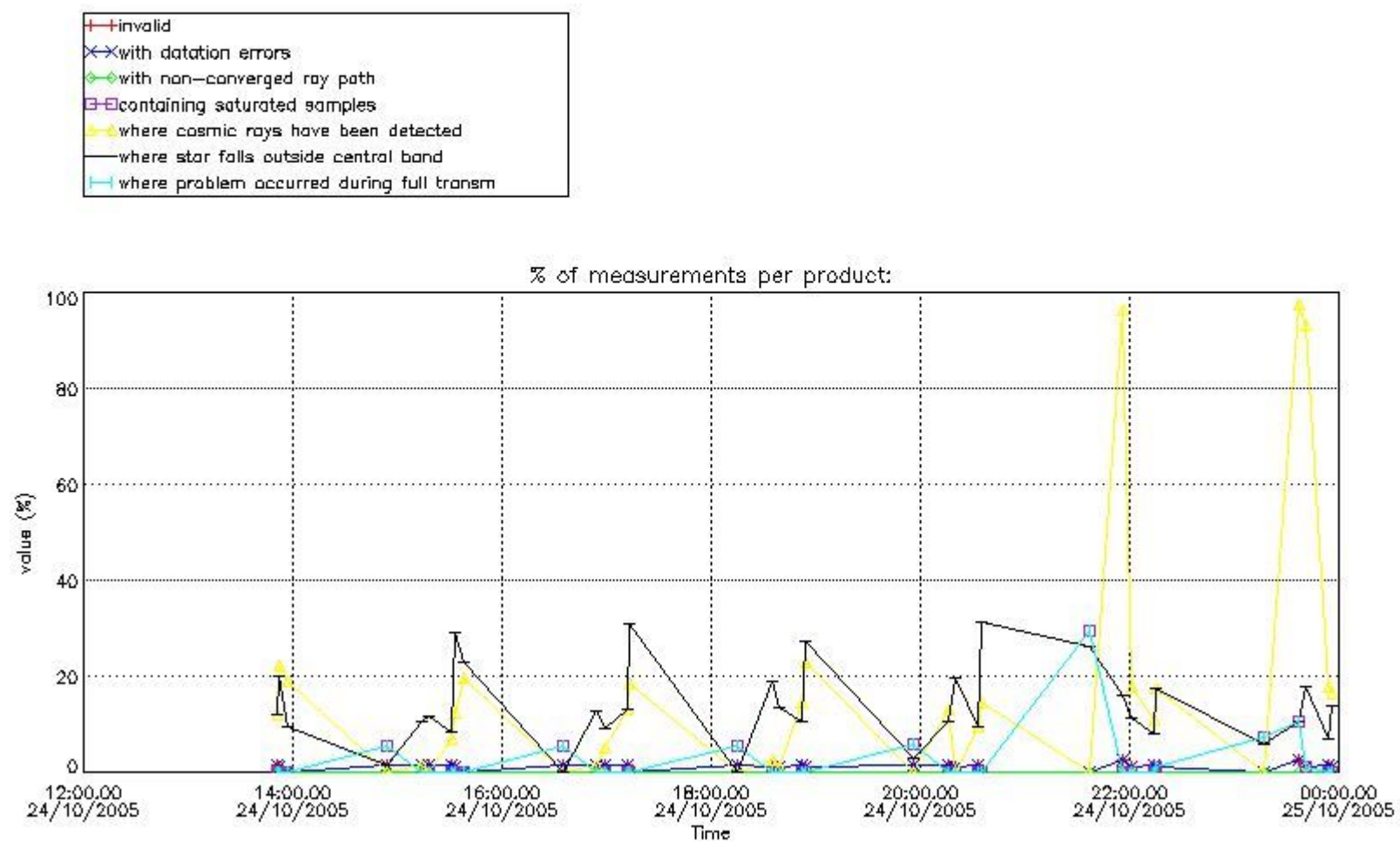


4. Level 1 quality information per product

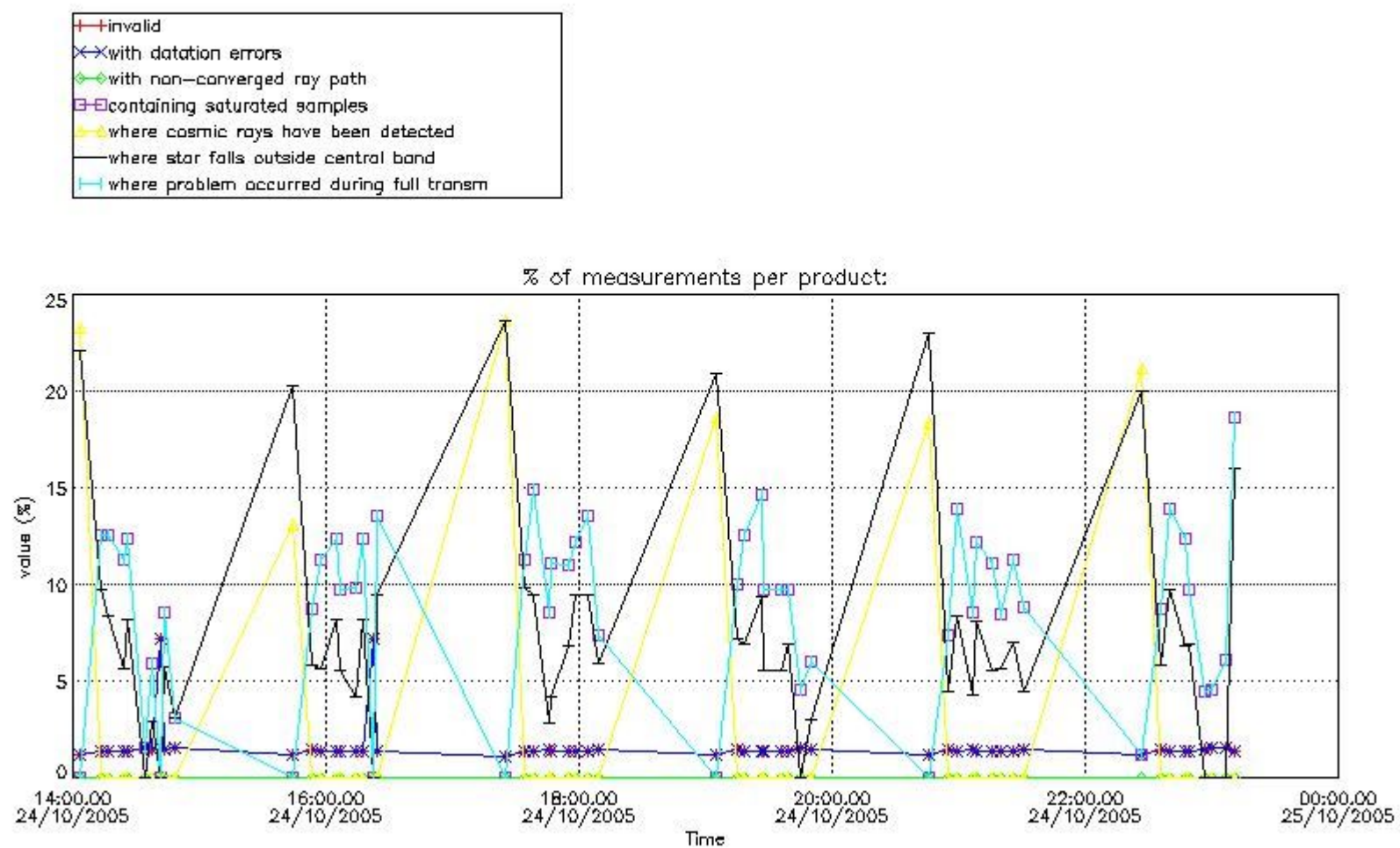
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



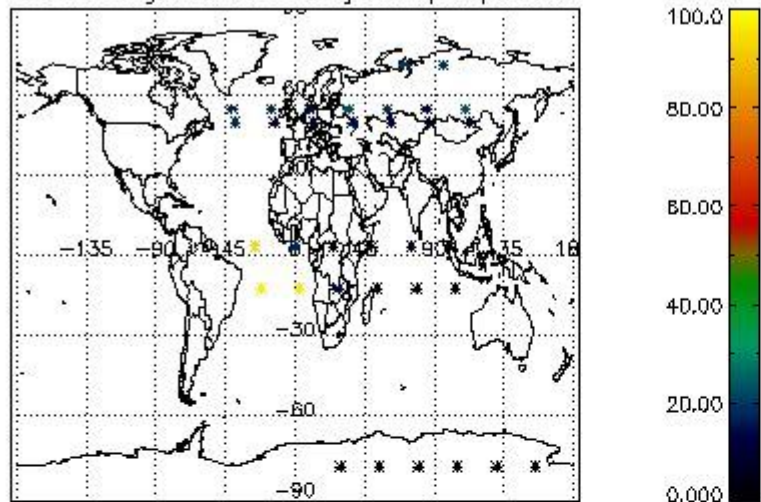
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



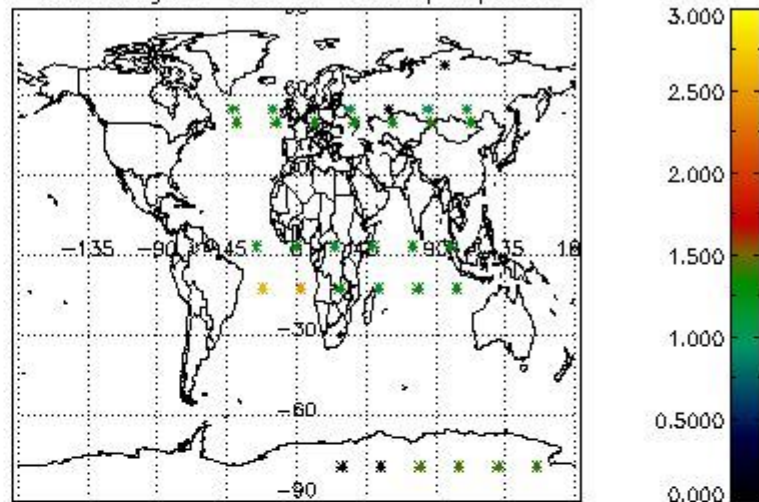
4.2 Plot quality information per product coming from level 1b processing (world map)

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

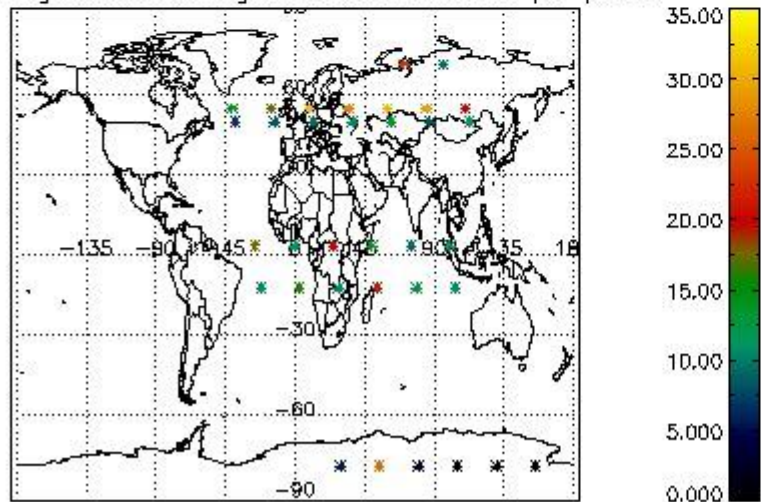
Percentage of cosmic ray hits per profile



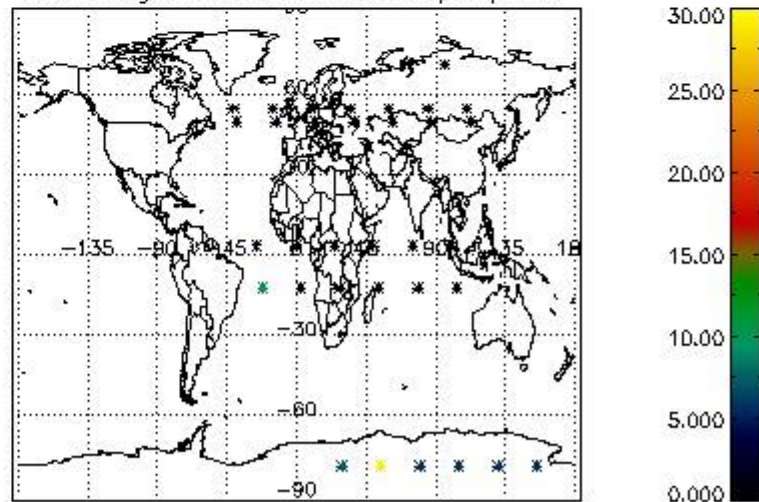
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

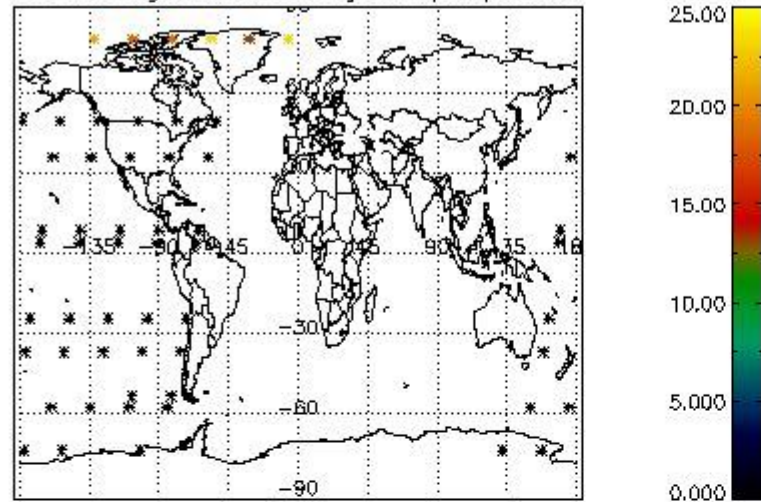


Percentage of saturation errors per profile

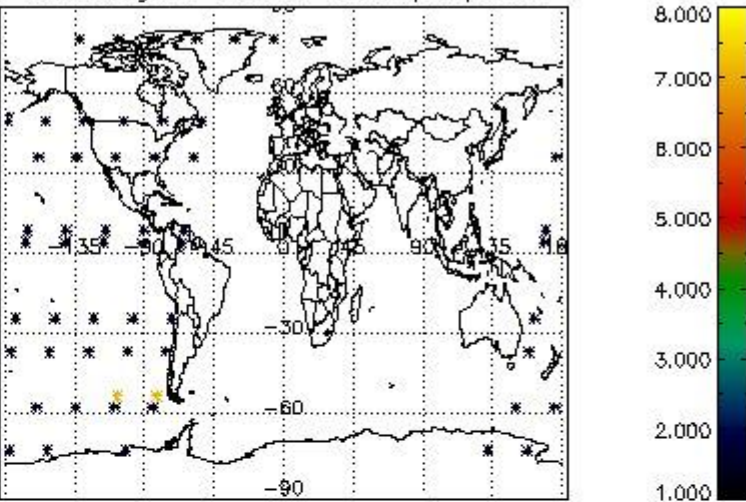


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

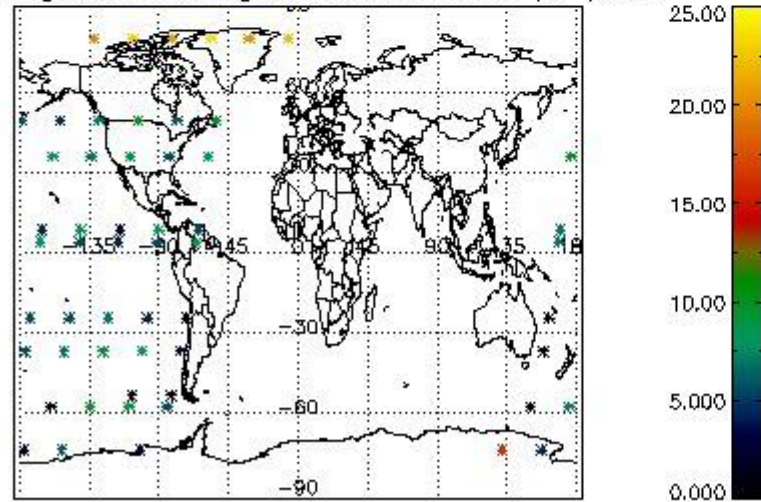
Percentage of cosmic ray hits per profile



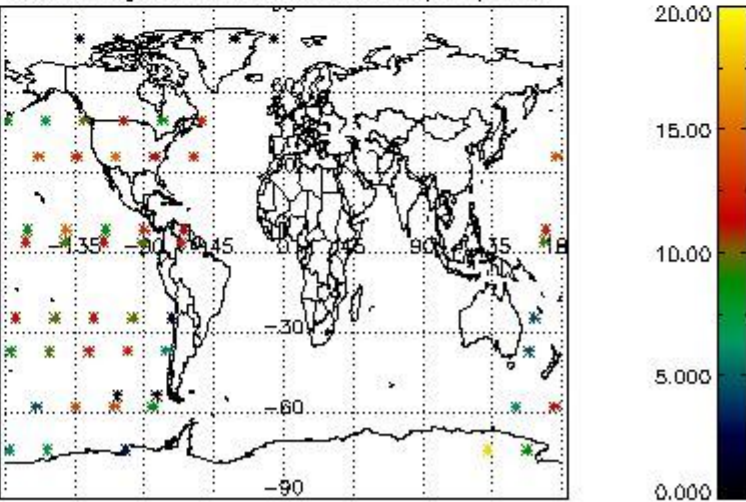
Percentage of datation errors per profile



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

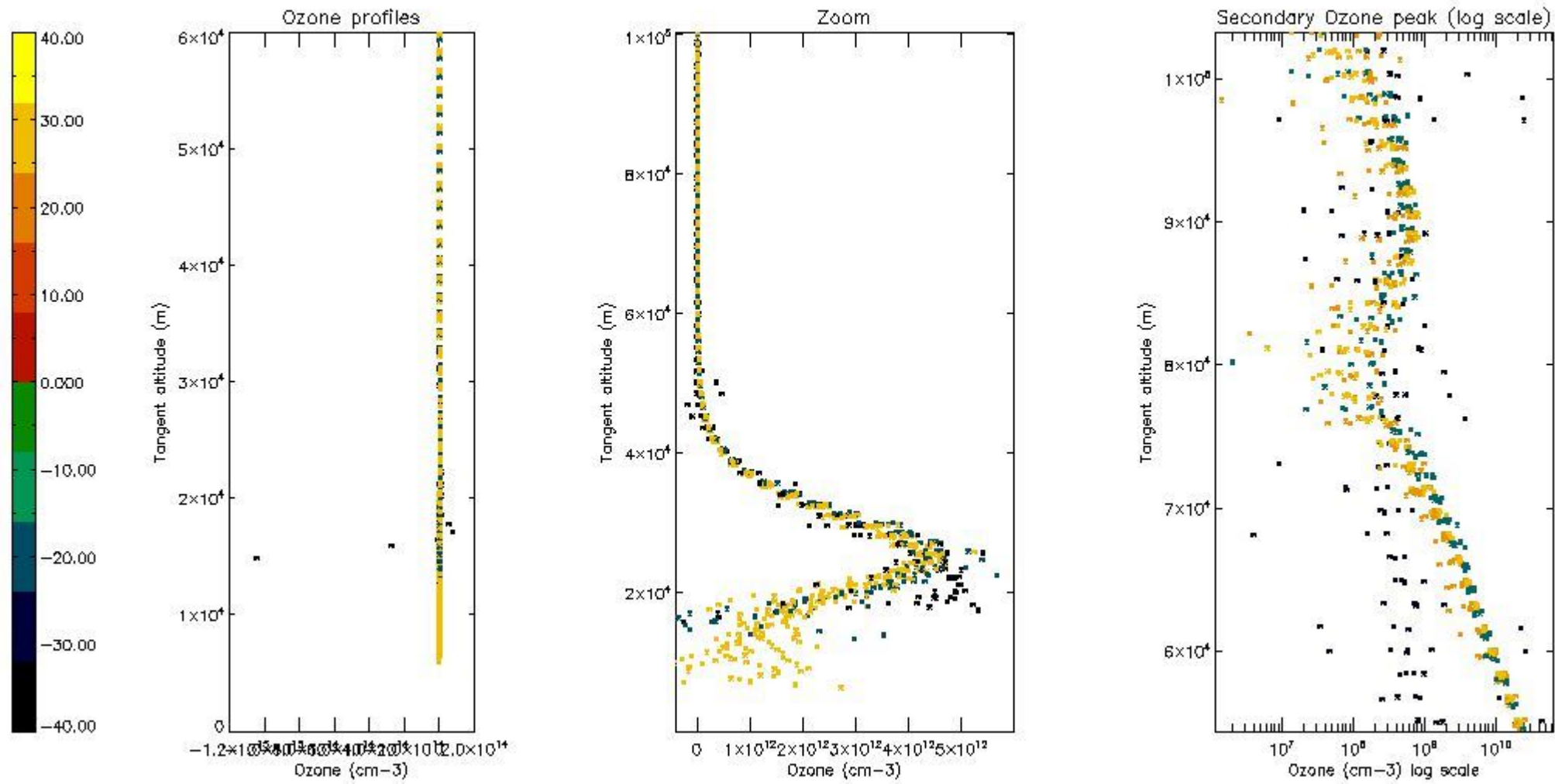
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	18

STD < 10	13
STD < 5	6

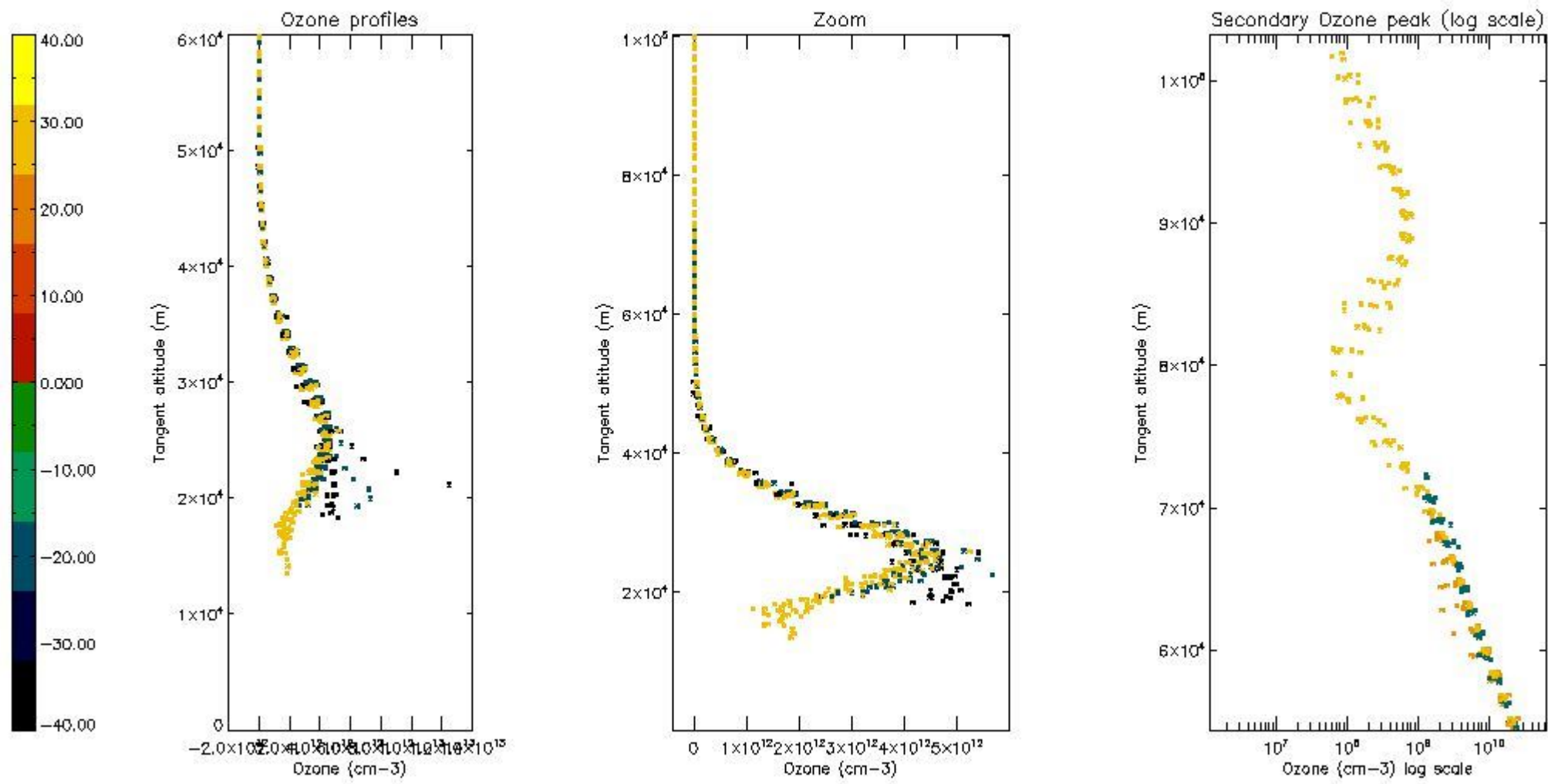
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



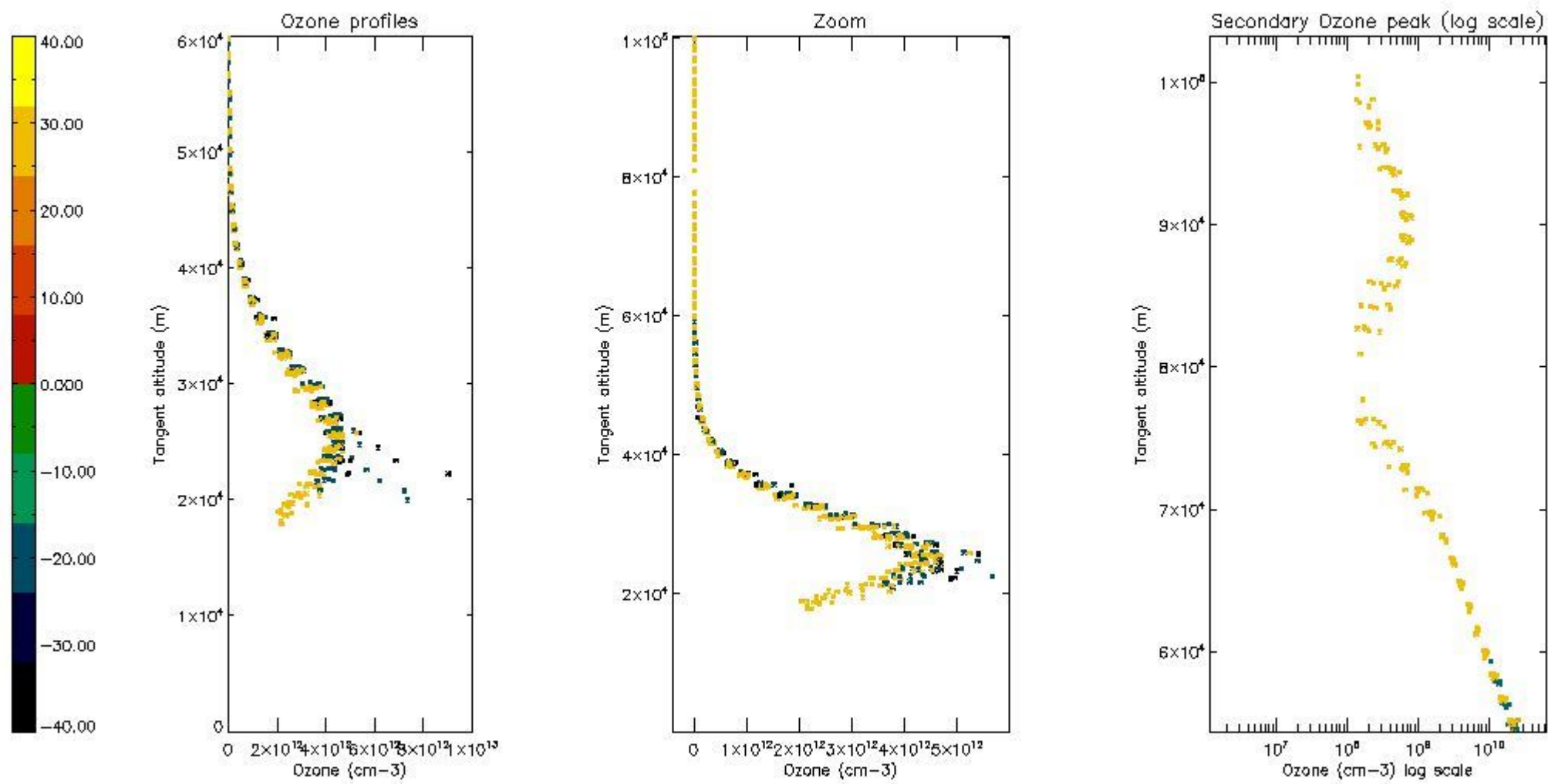
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



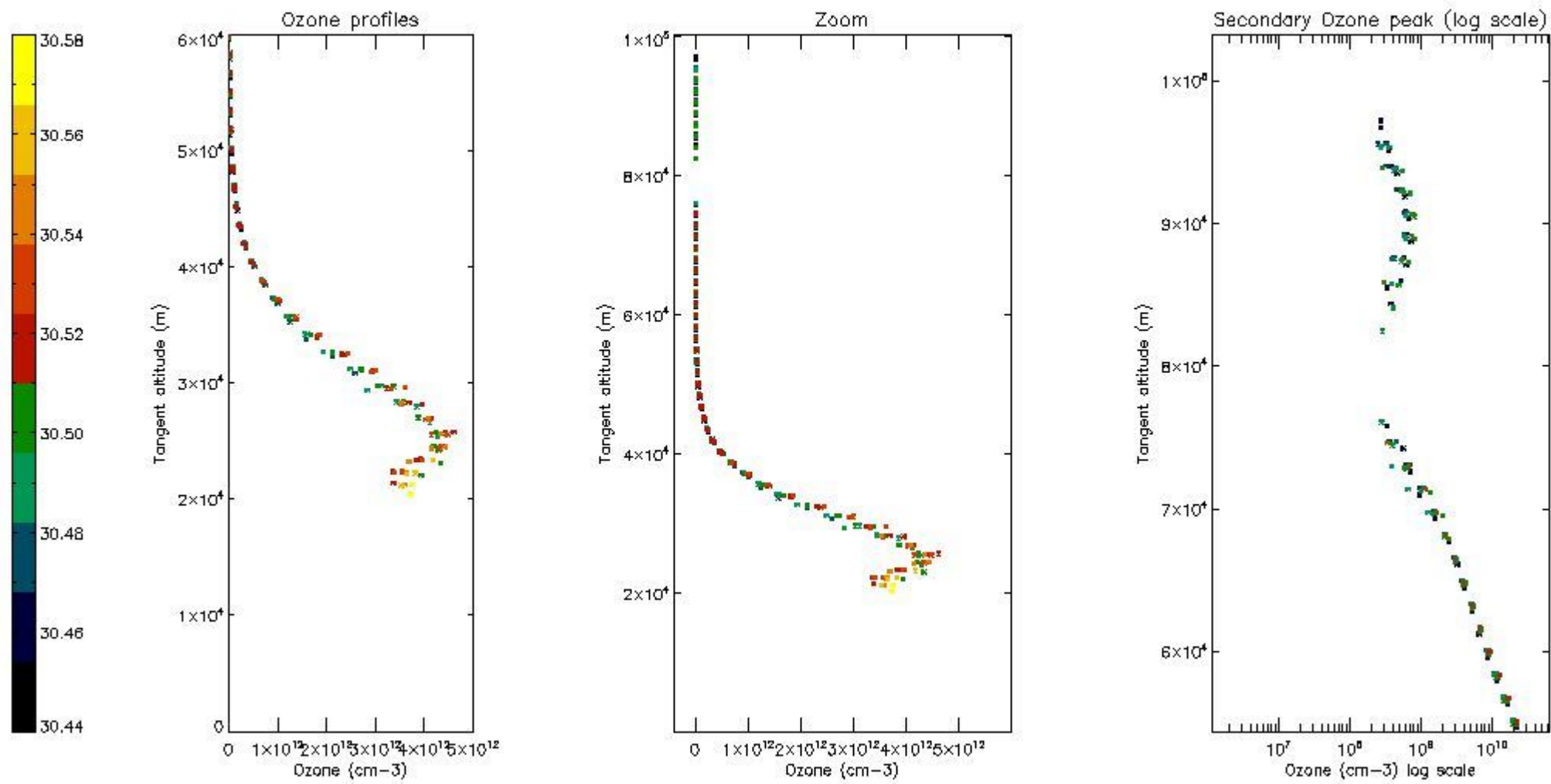
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



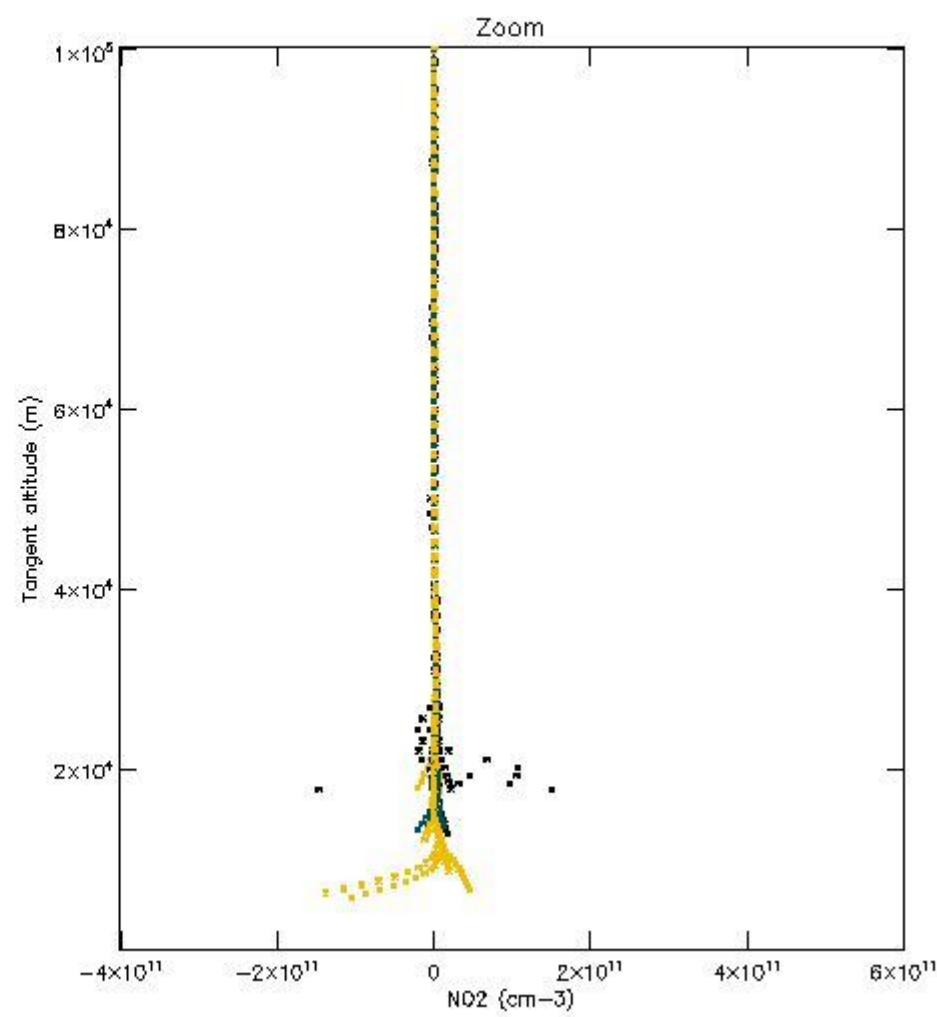
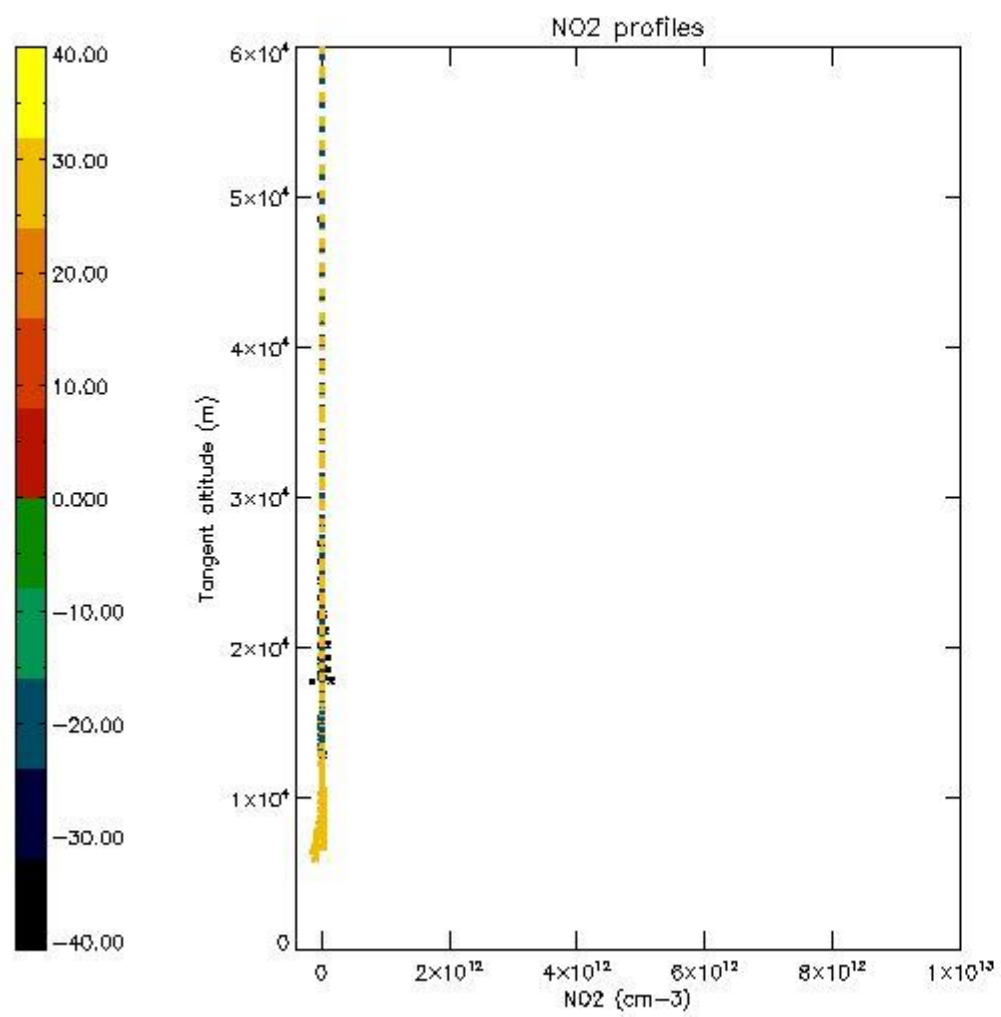
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



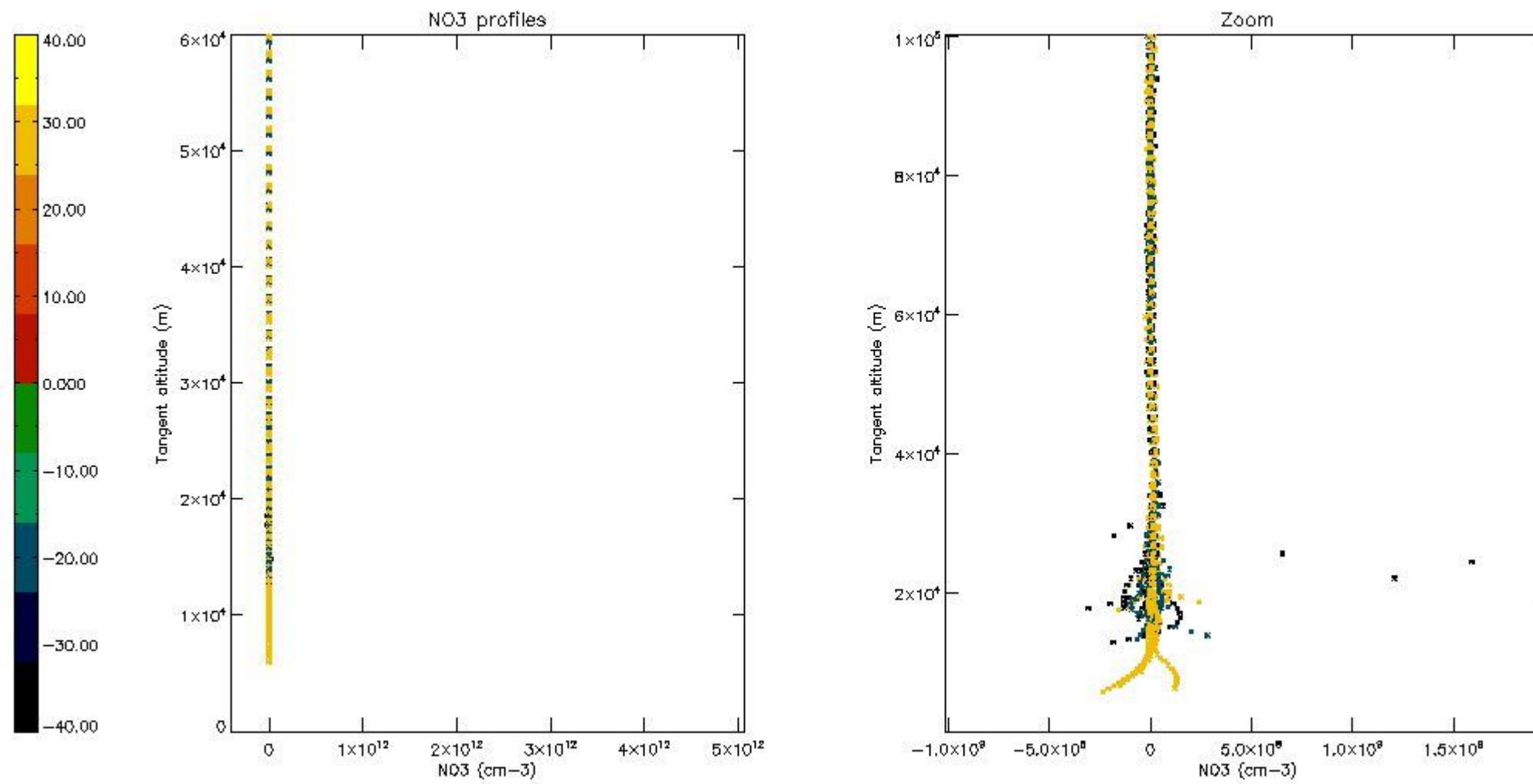
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

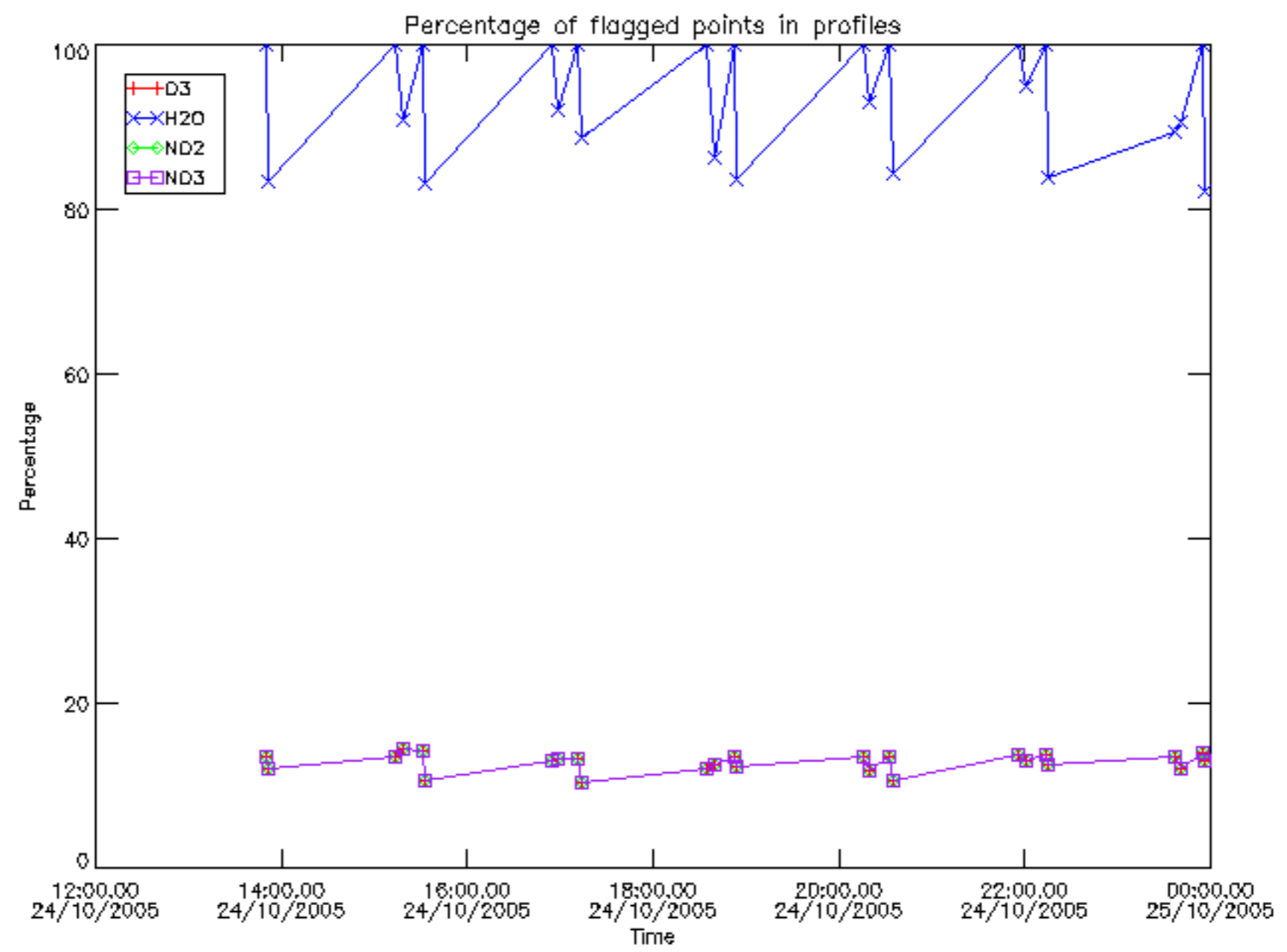
The colorbar represents the latitude.



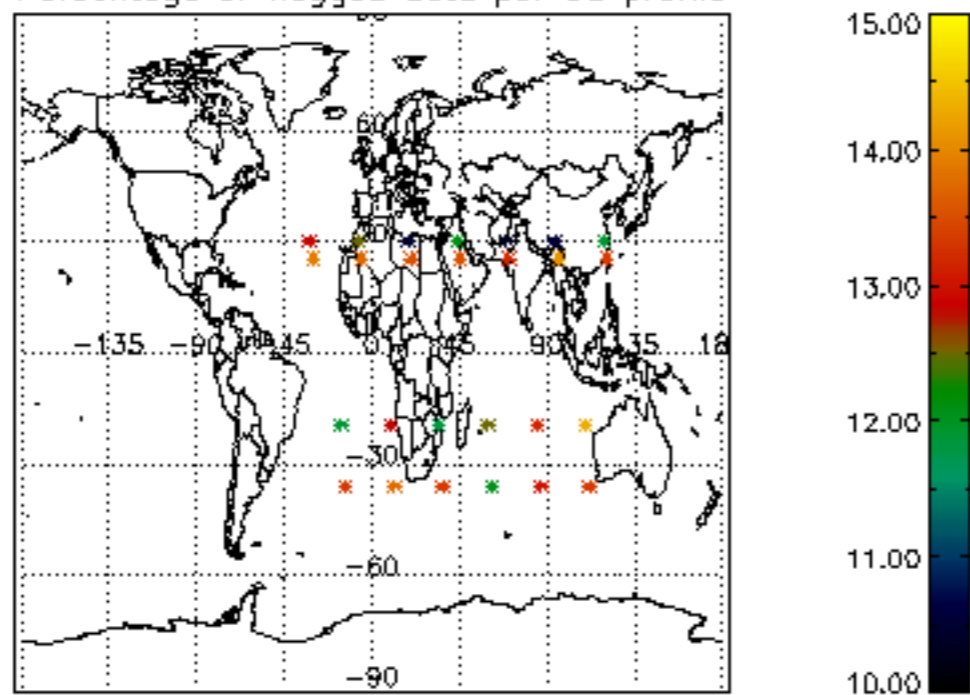
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

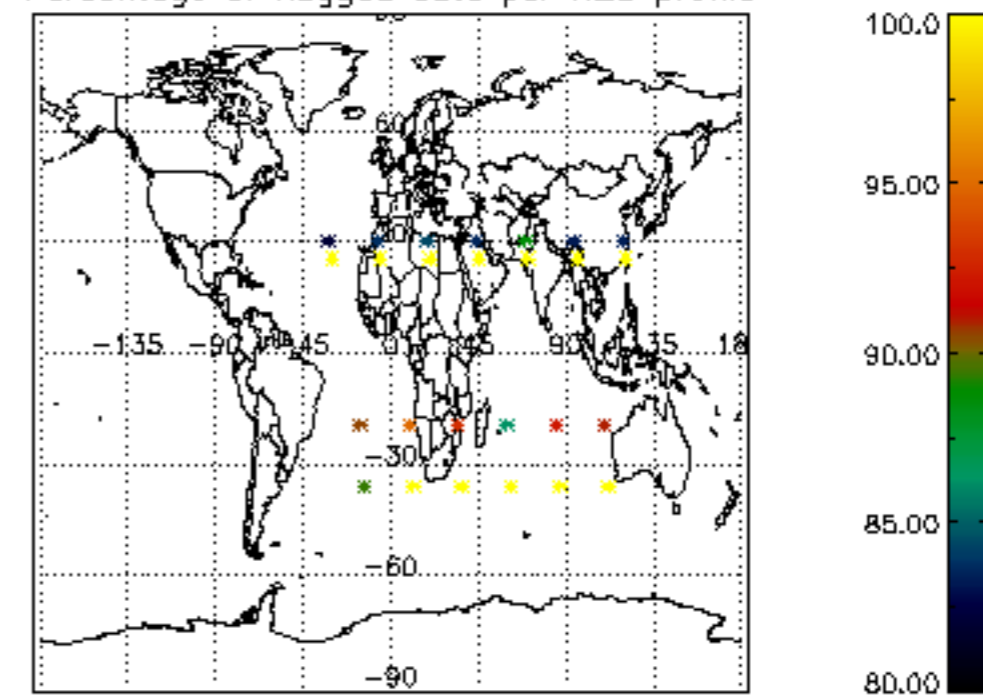
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-OCT-2005 13:50:40
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2005 13:50:40
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2005 13:50:40



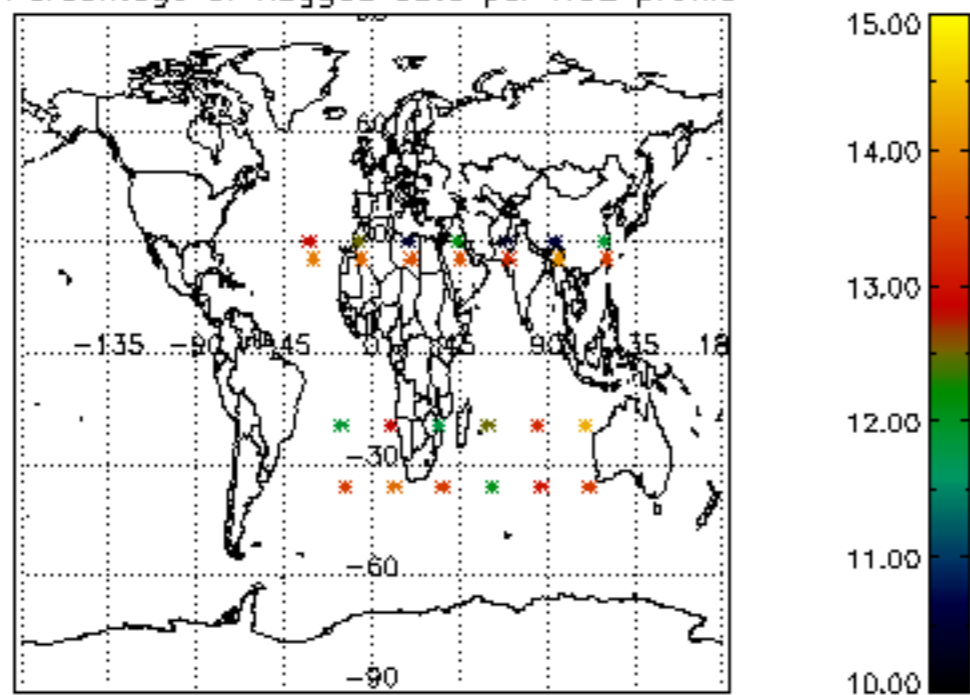
Percentage of flagged data per D3 profile



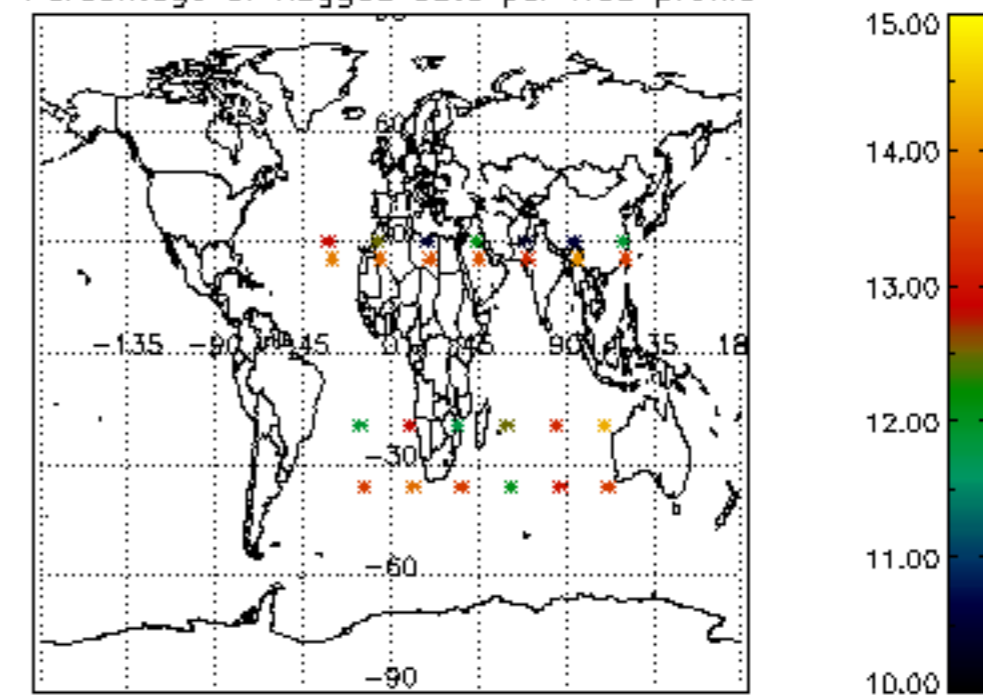
Percentage of flagged data per H2O profile

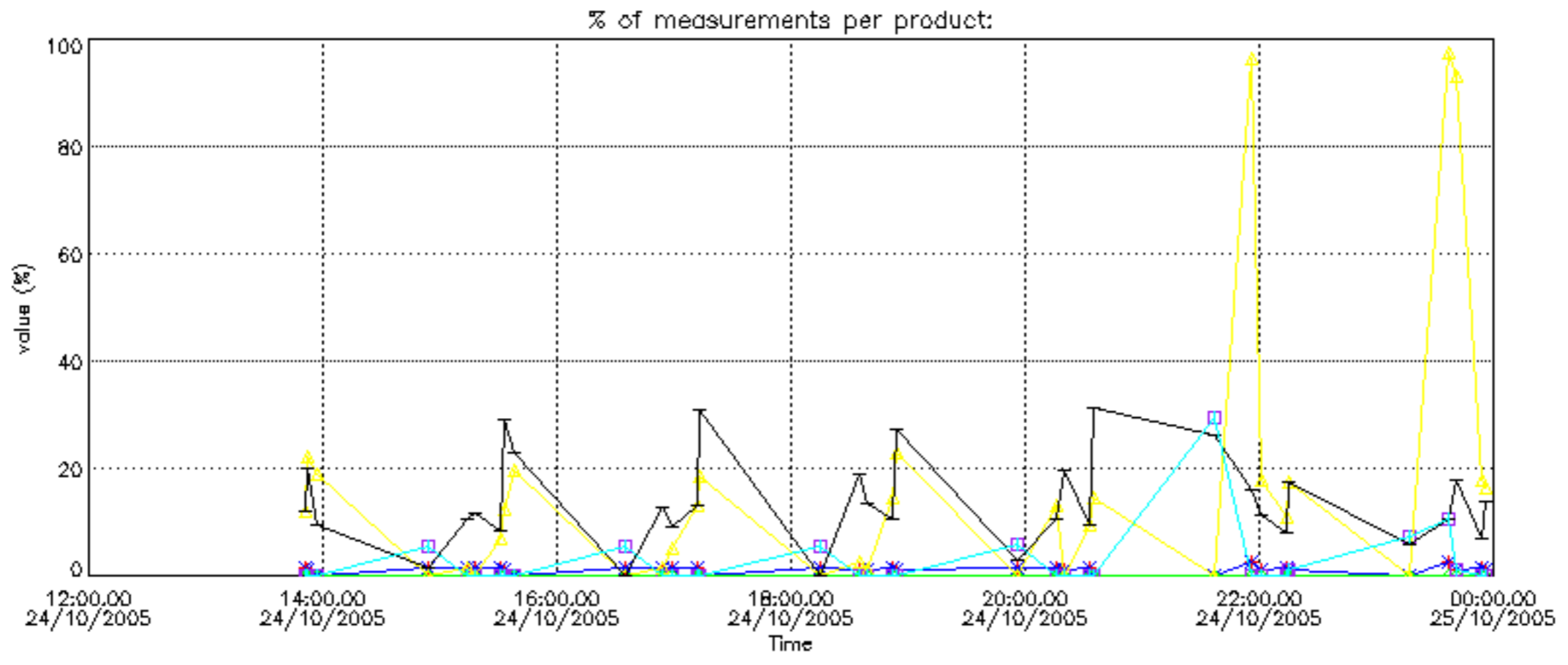


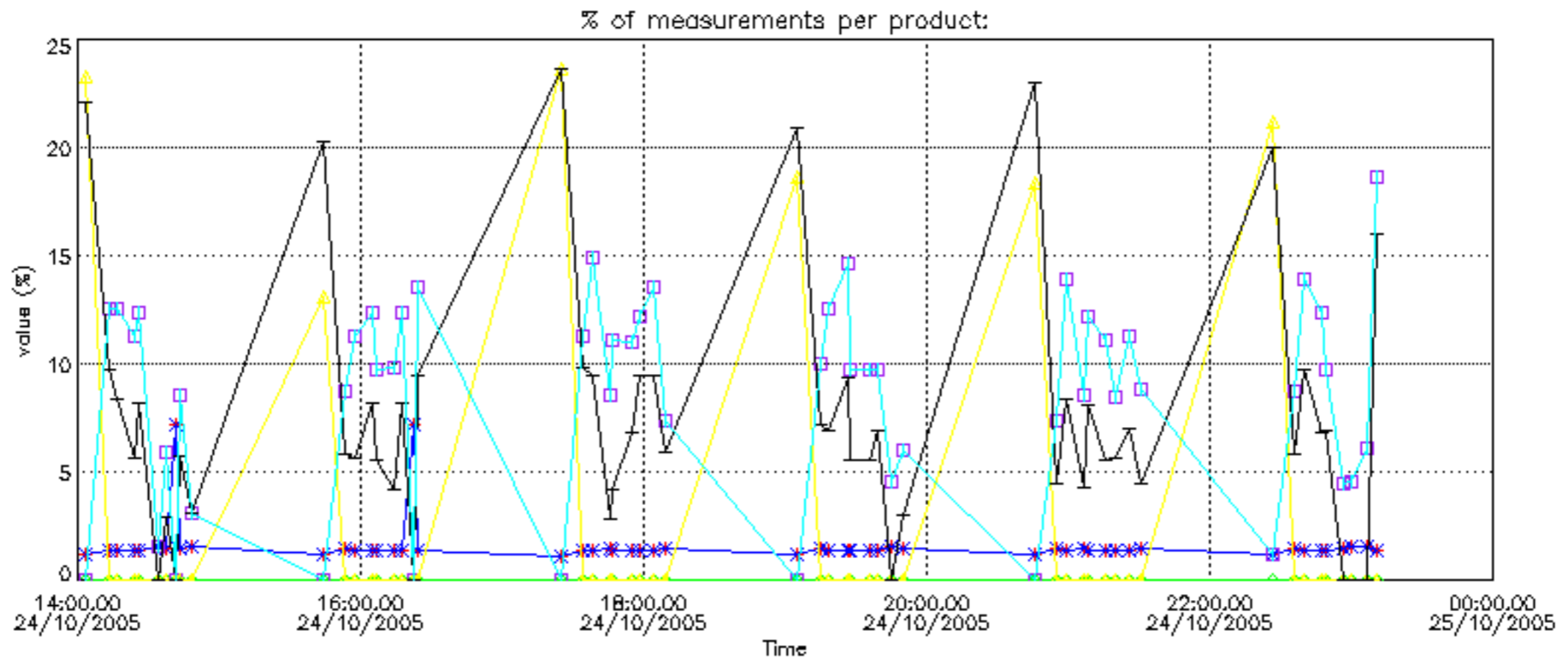
Percentage of flagged data per NO2 profile



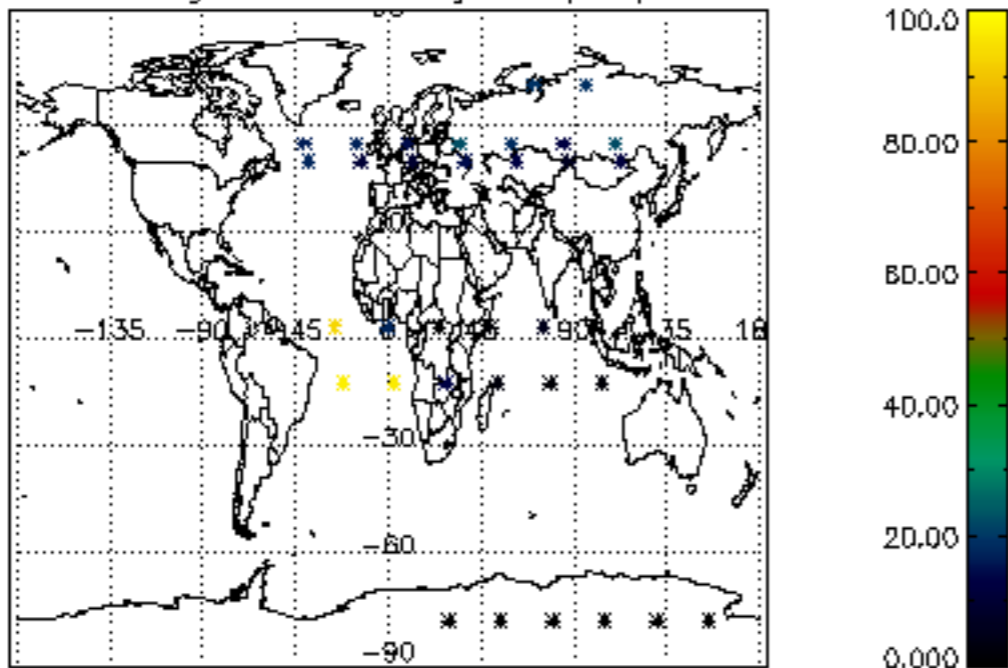
Percentage of flagged data per NO3 profile



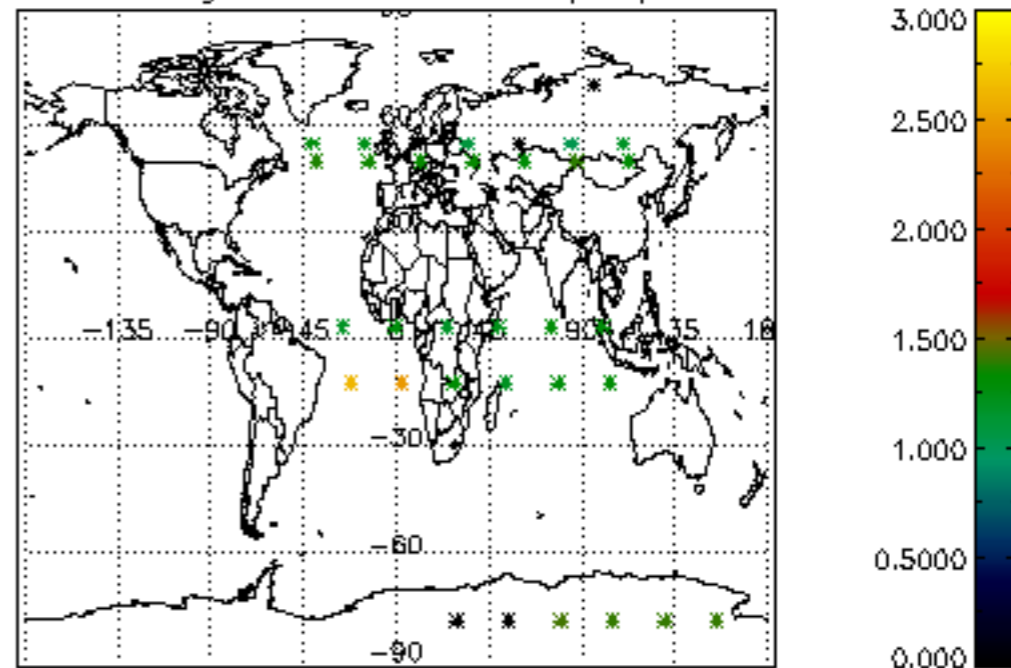




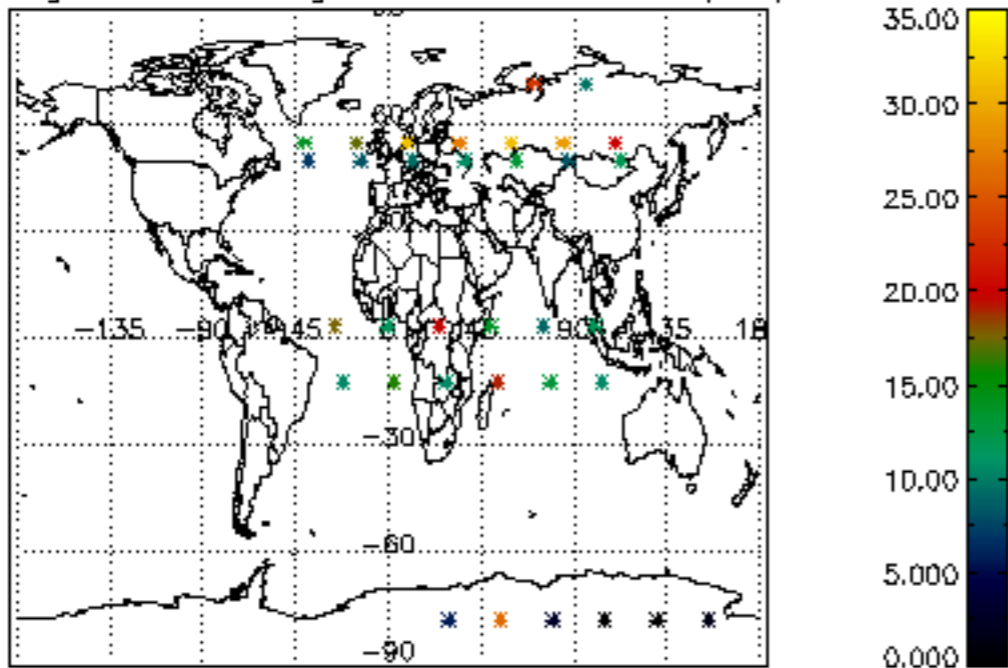
Percentage of cosmic ray hits per profile



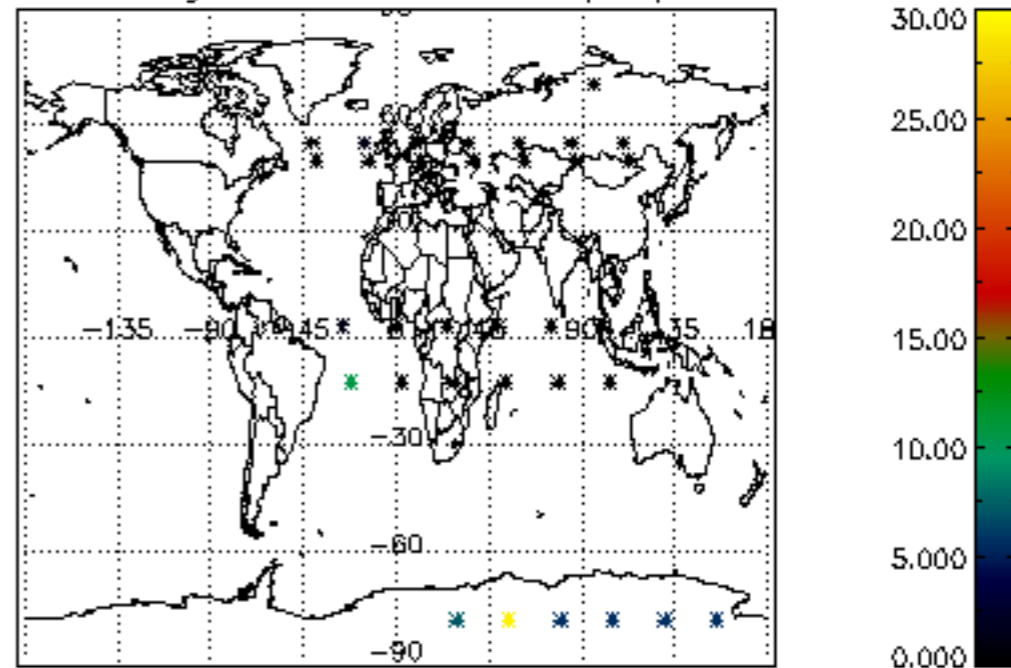
Percentage of datation errors per profile



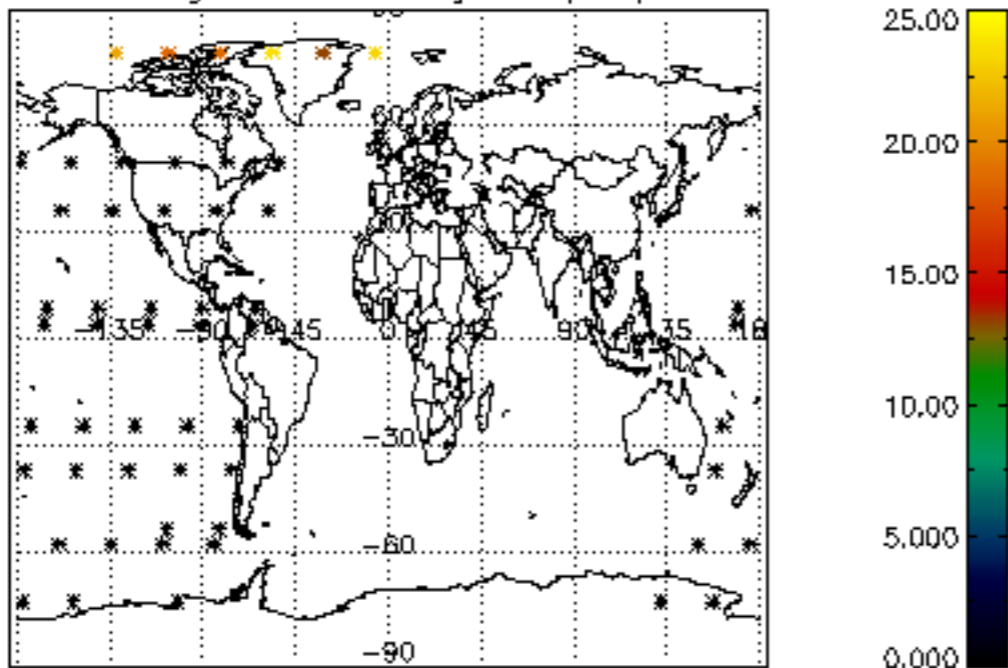
Percentage of star falling outside central band per profile



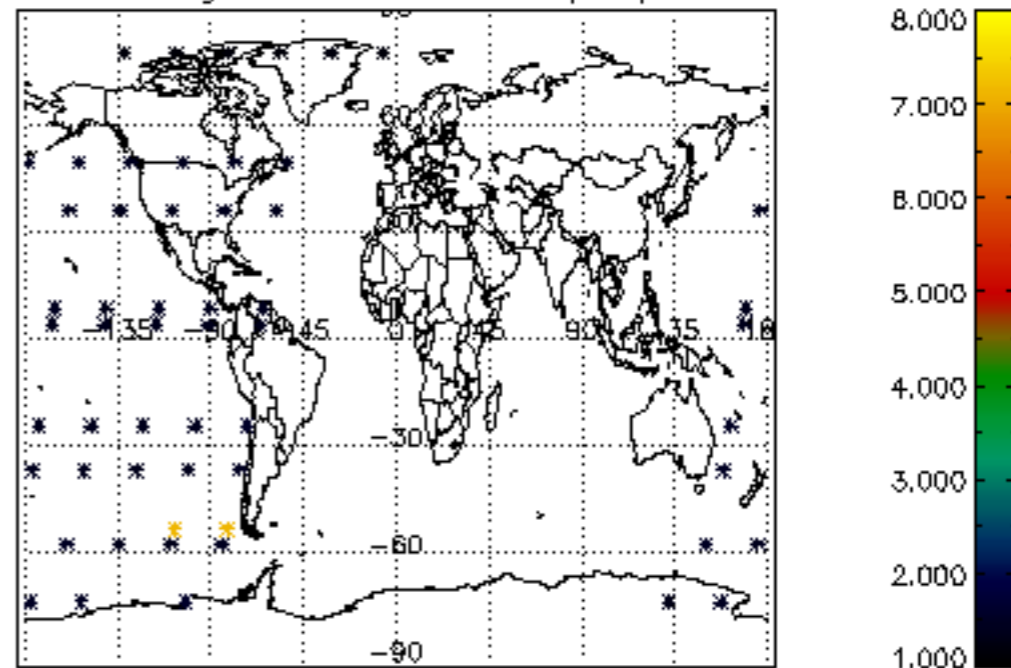
Percentage of saturation errors per profile



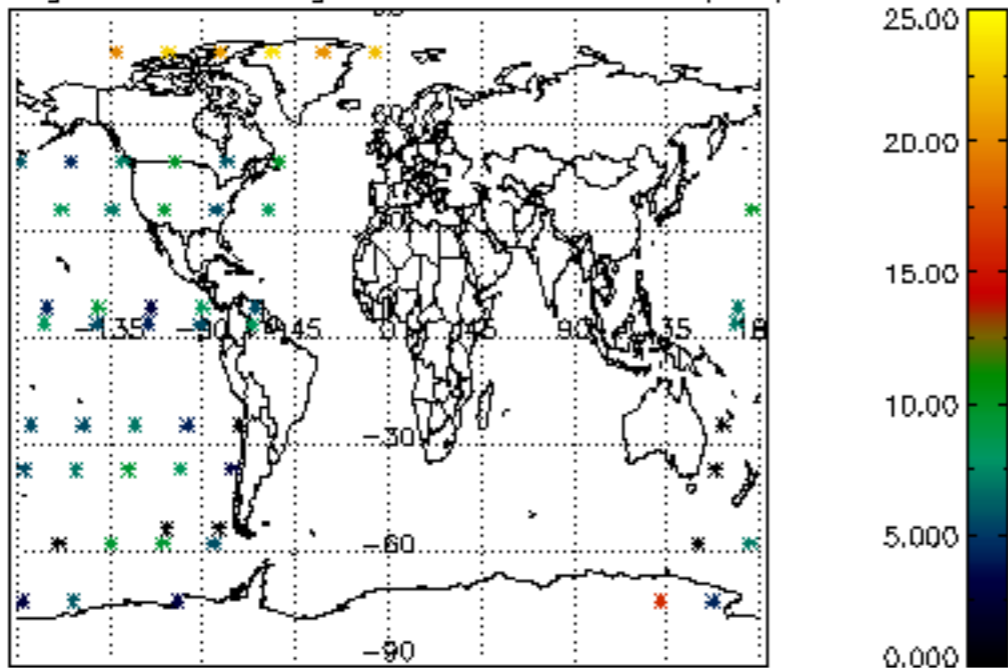
Percentage of cosmic ray hits per profile



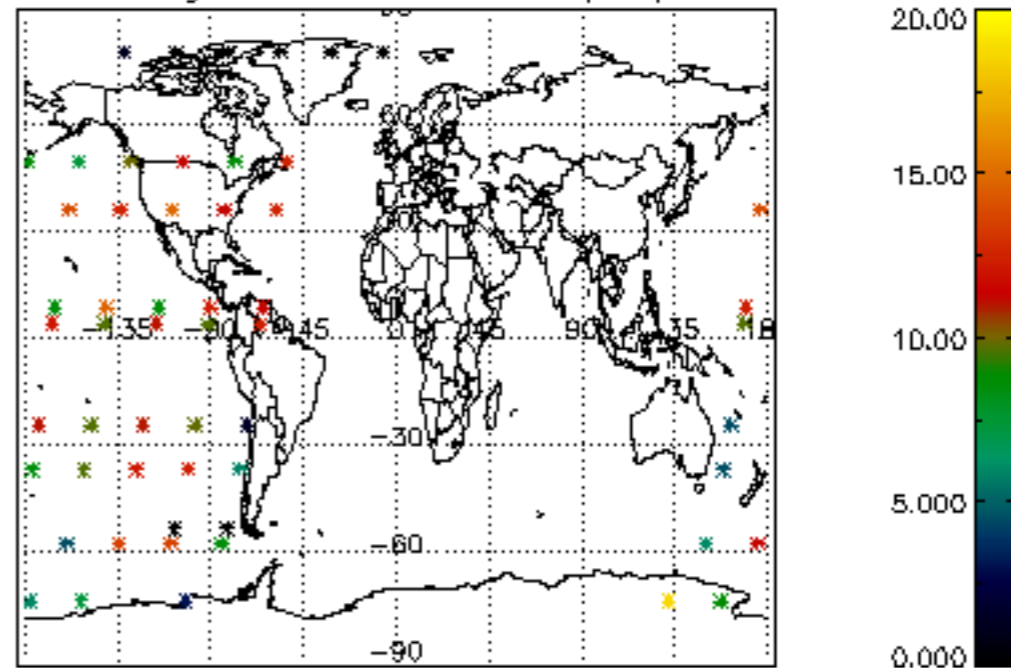
Percentage of datation errors per profile

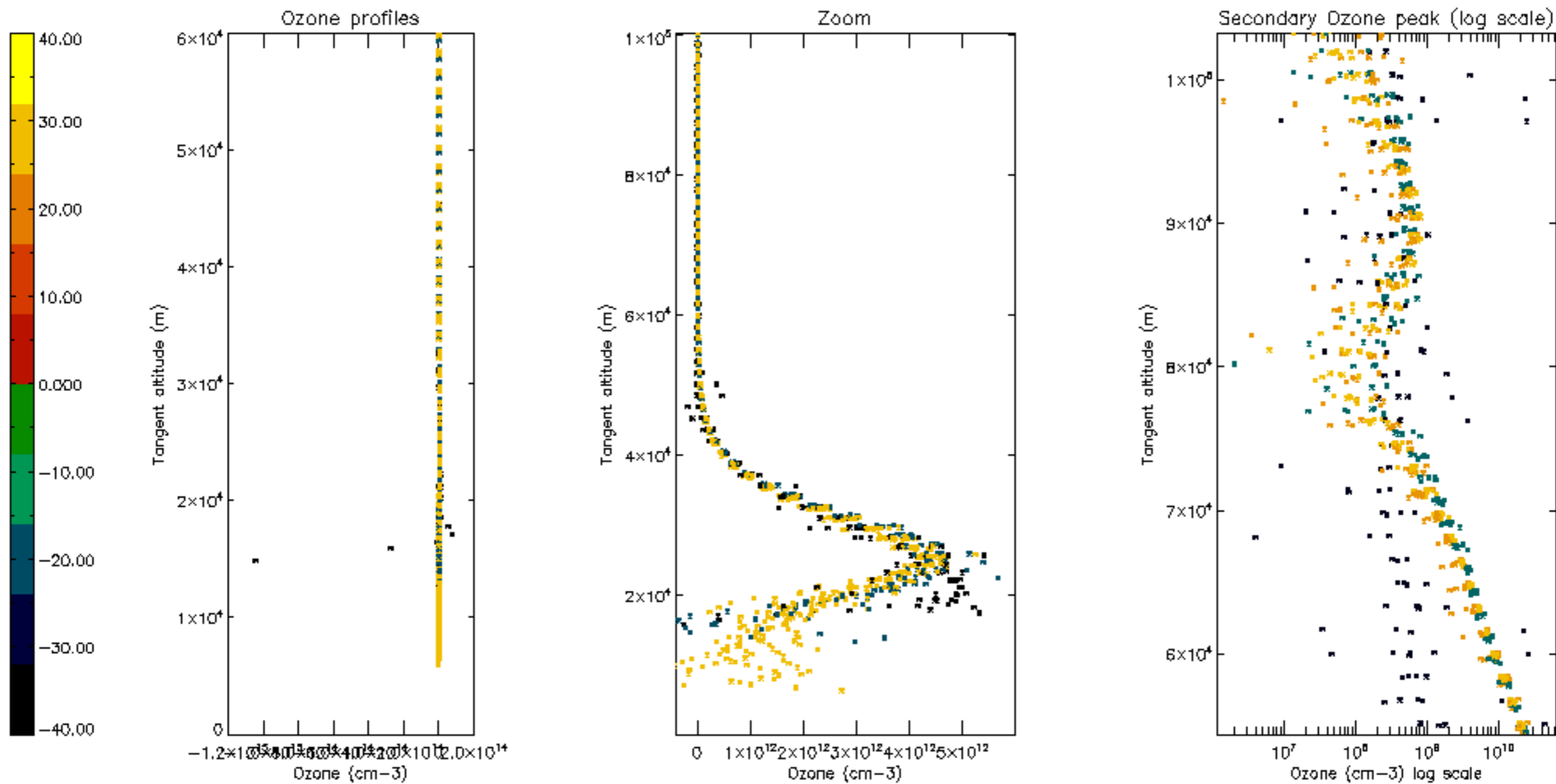


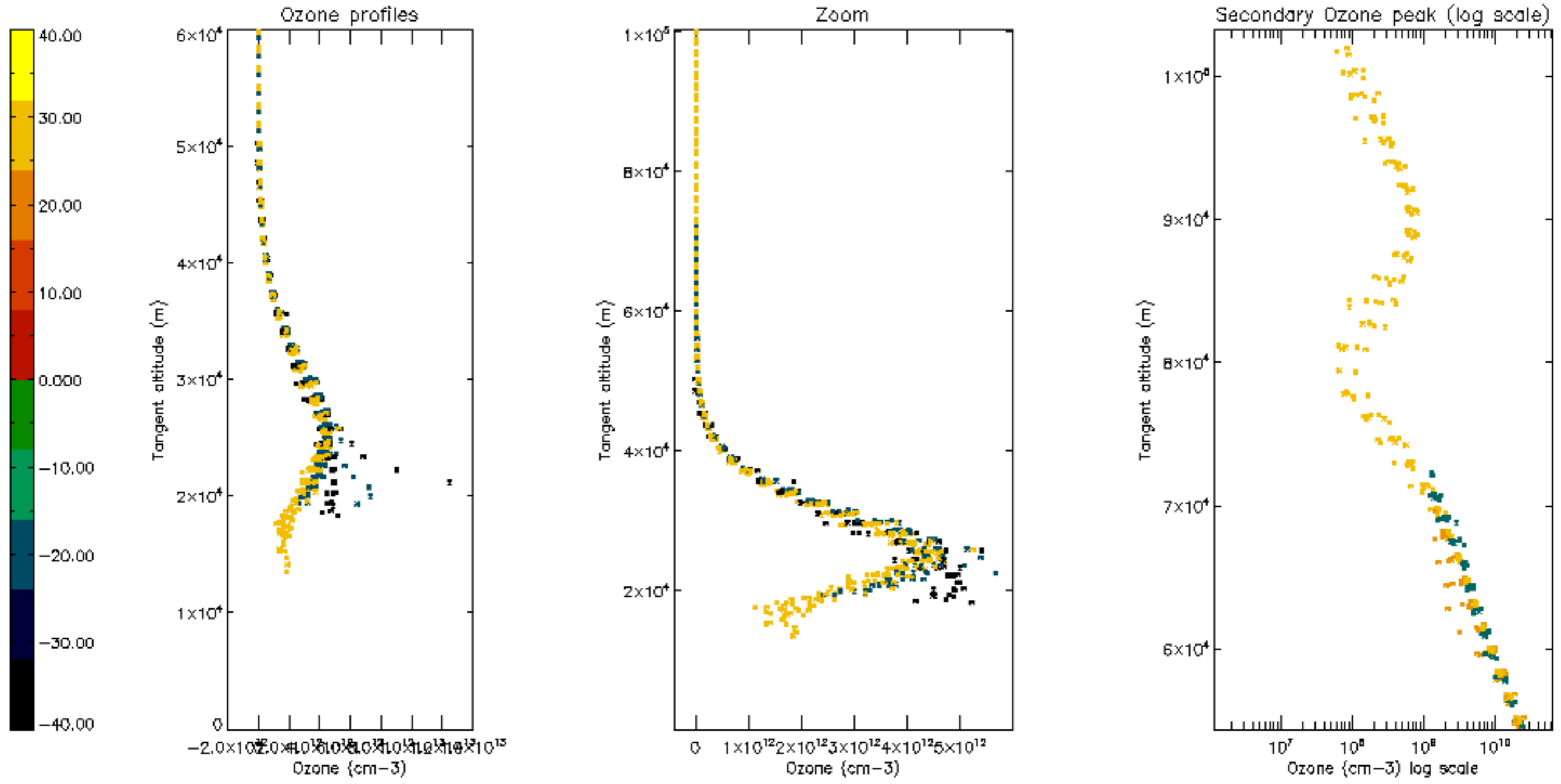
Percentage of star falling outside central band per profile

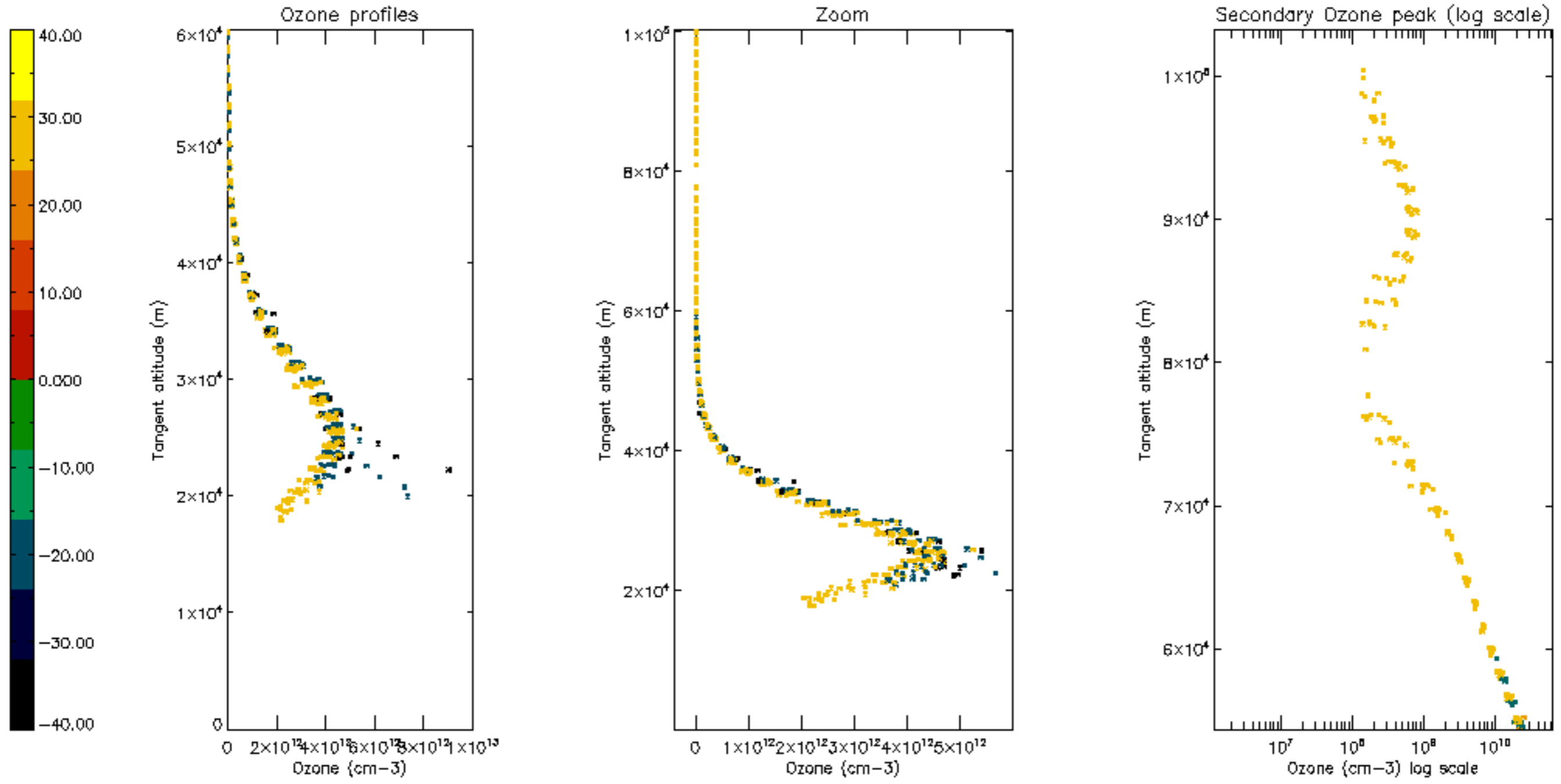


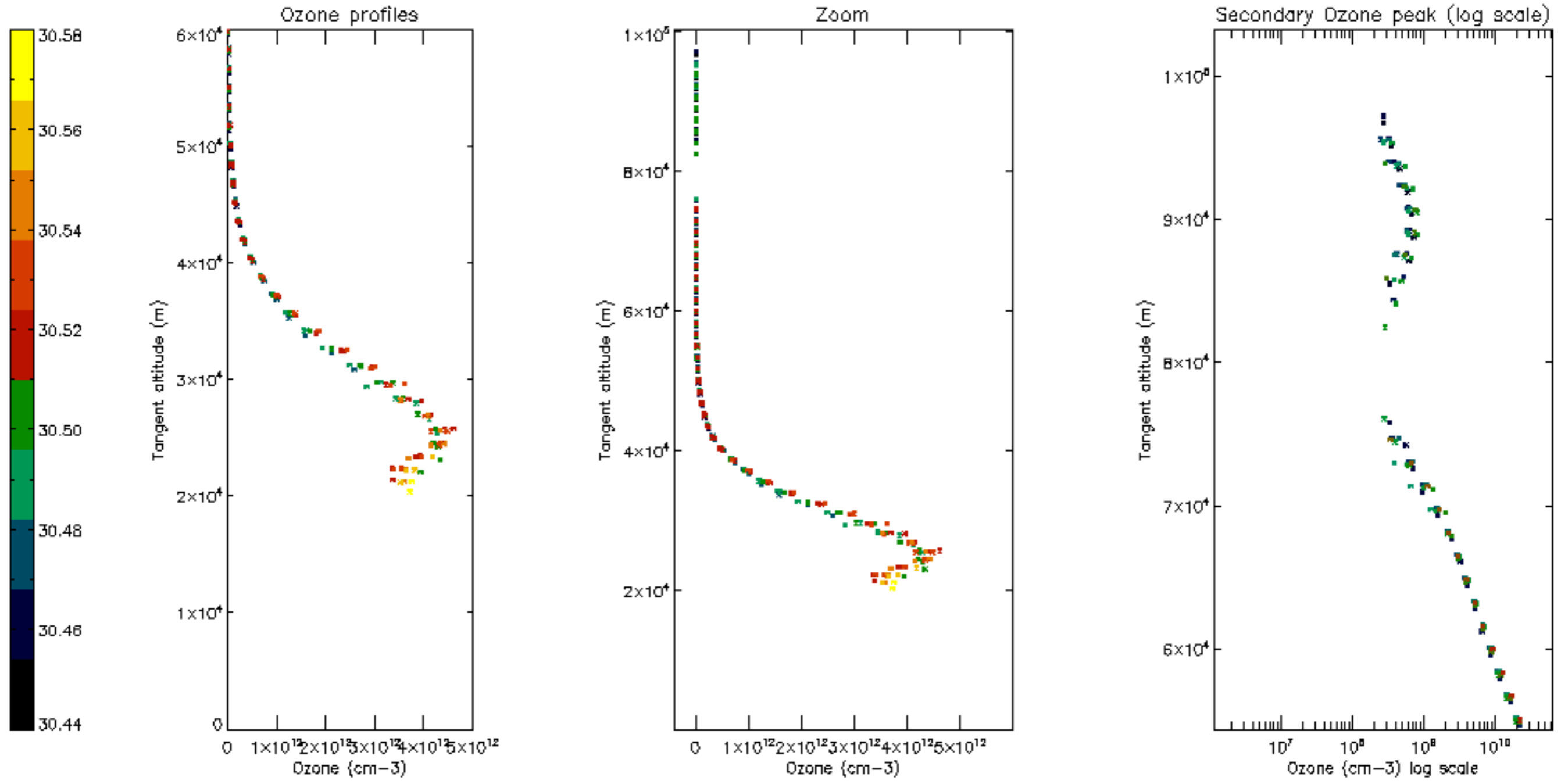
Percentage of saturation errors per profile

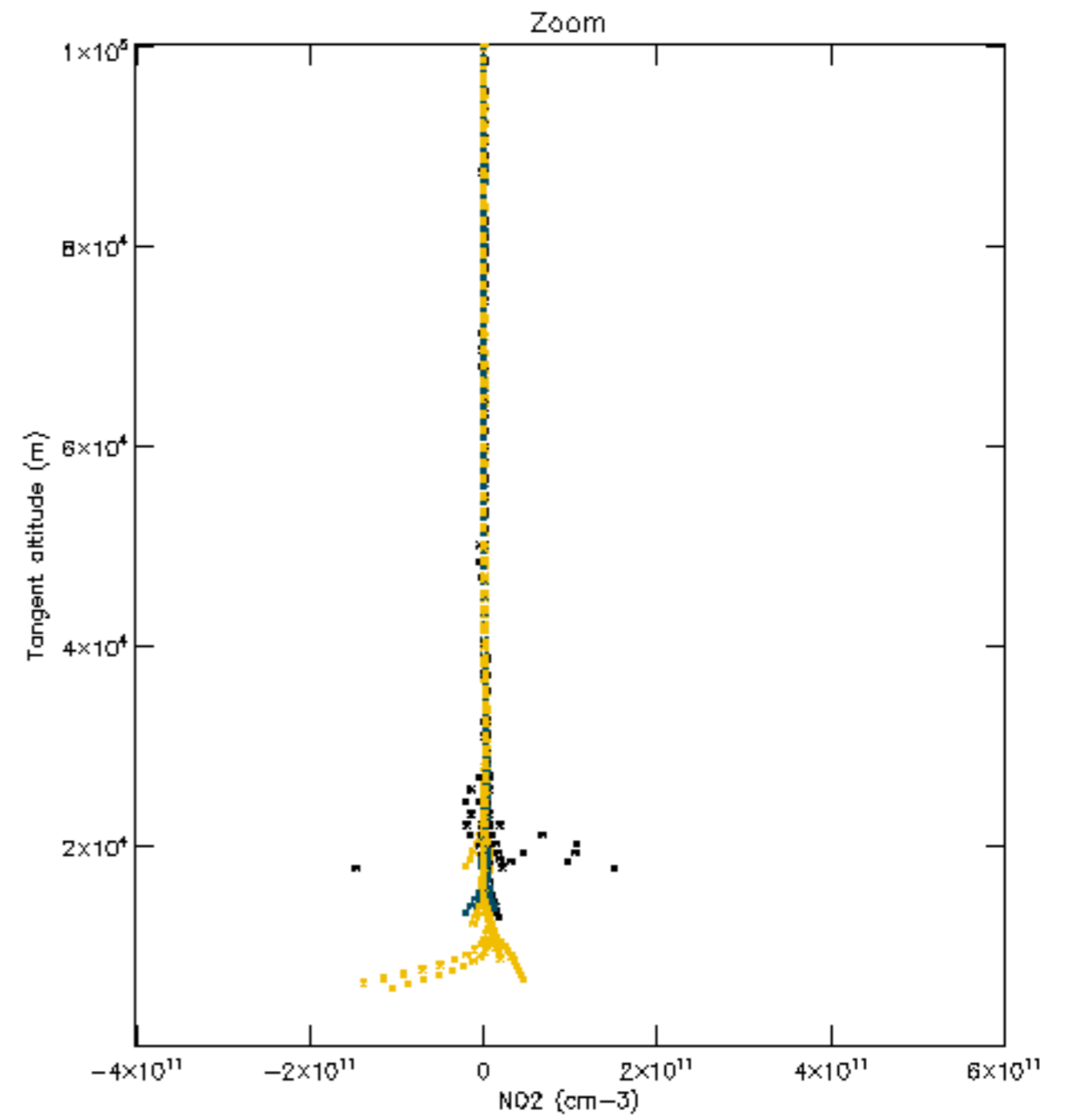
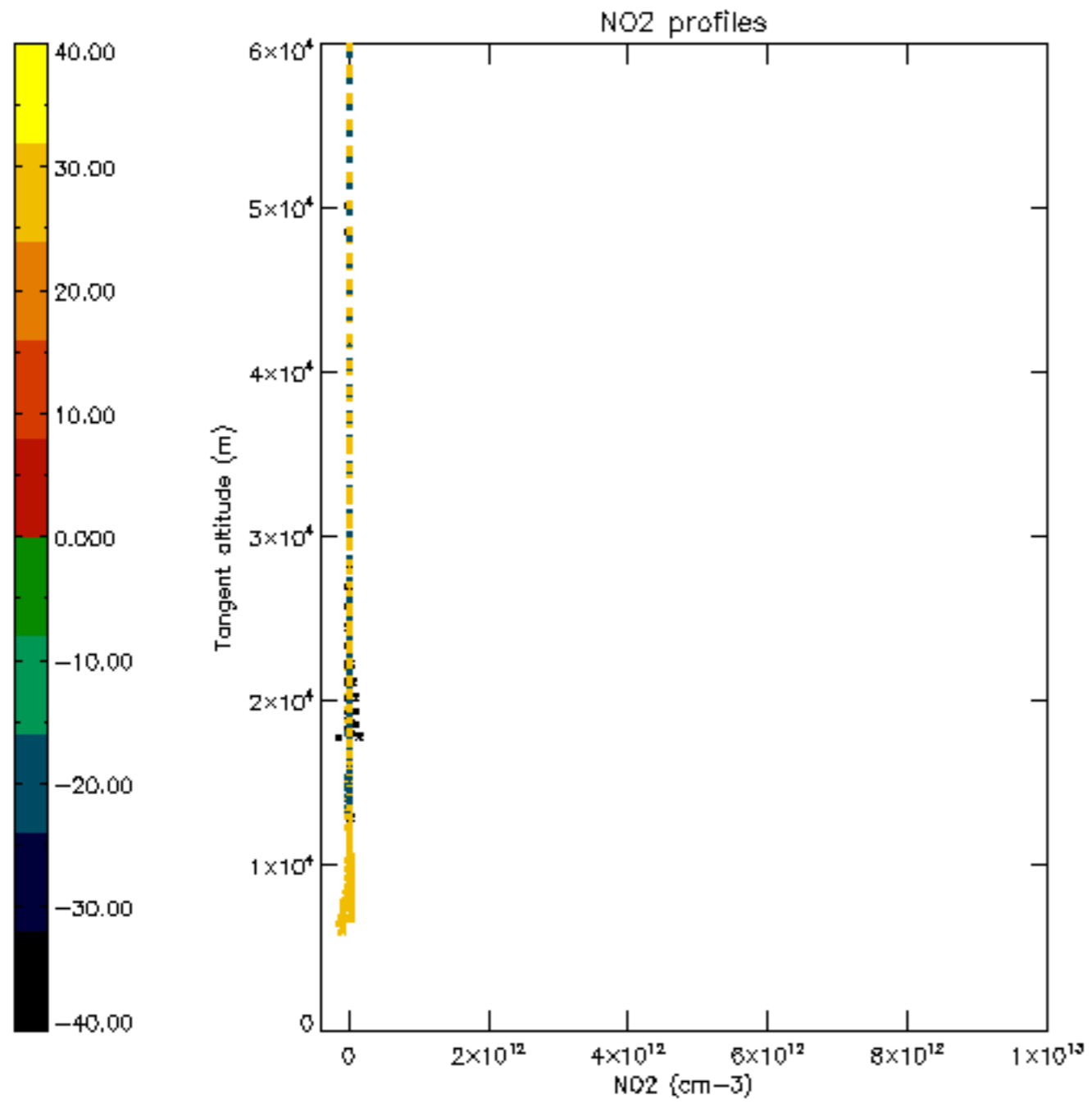


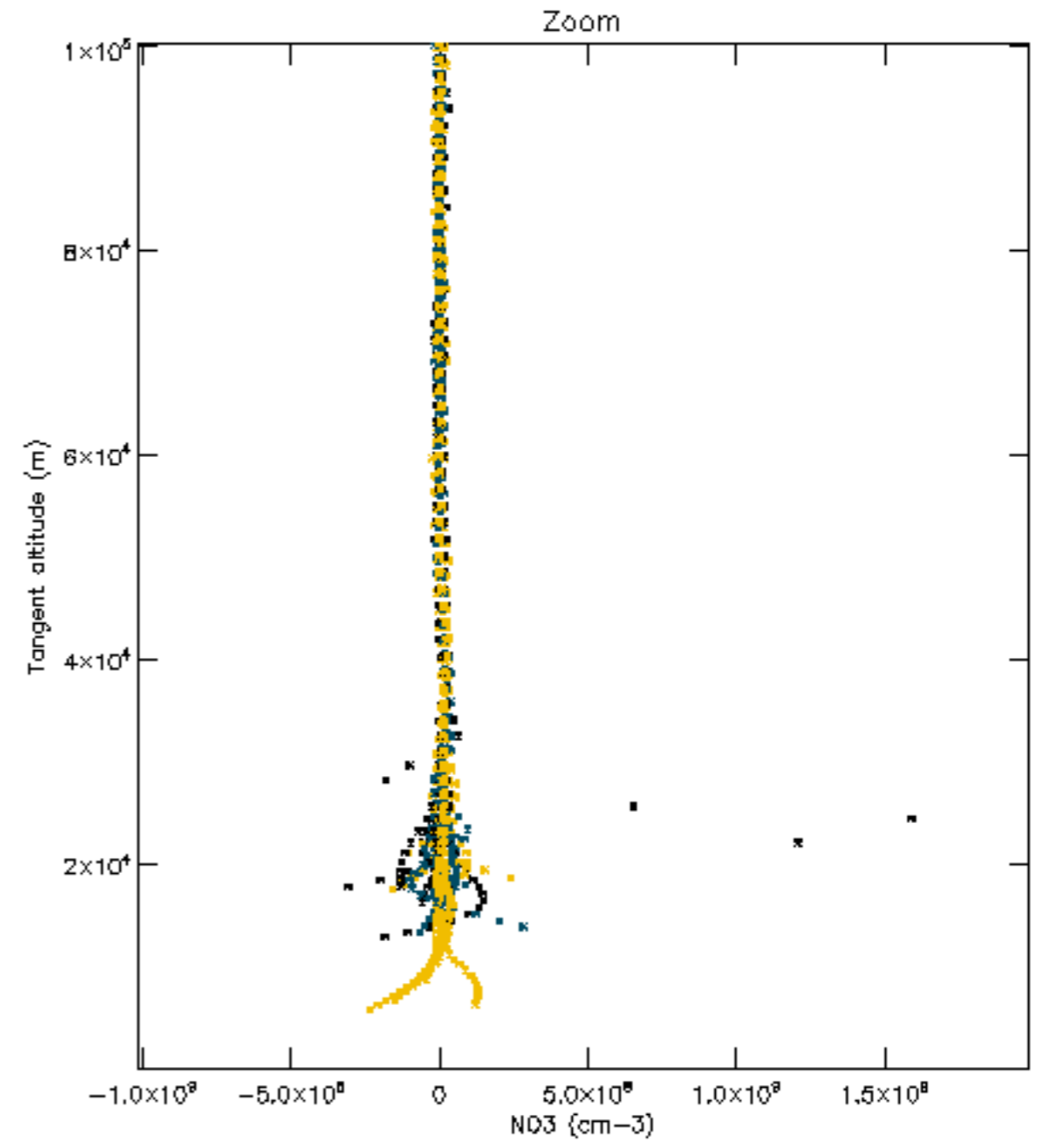
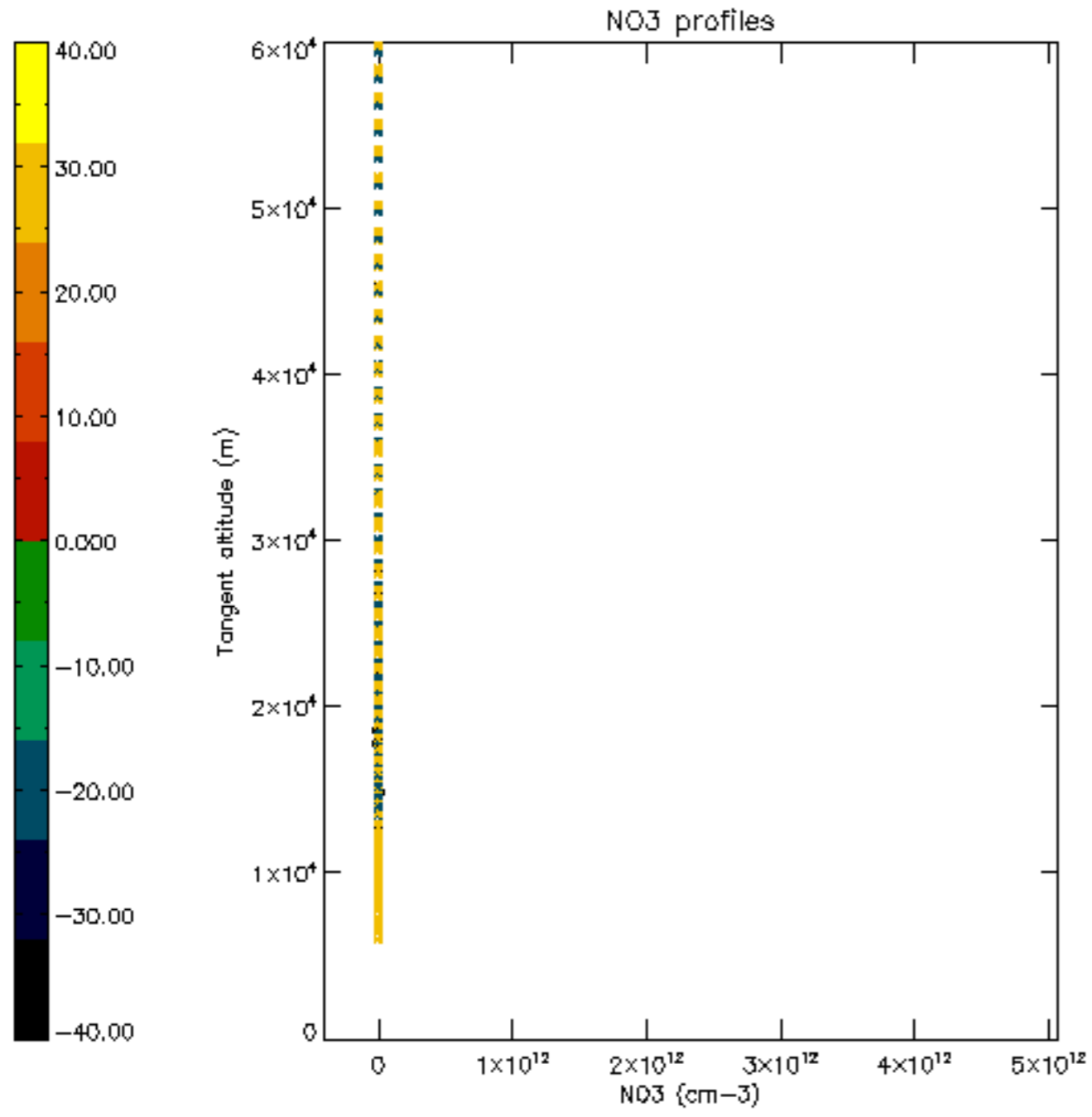


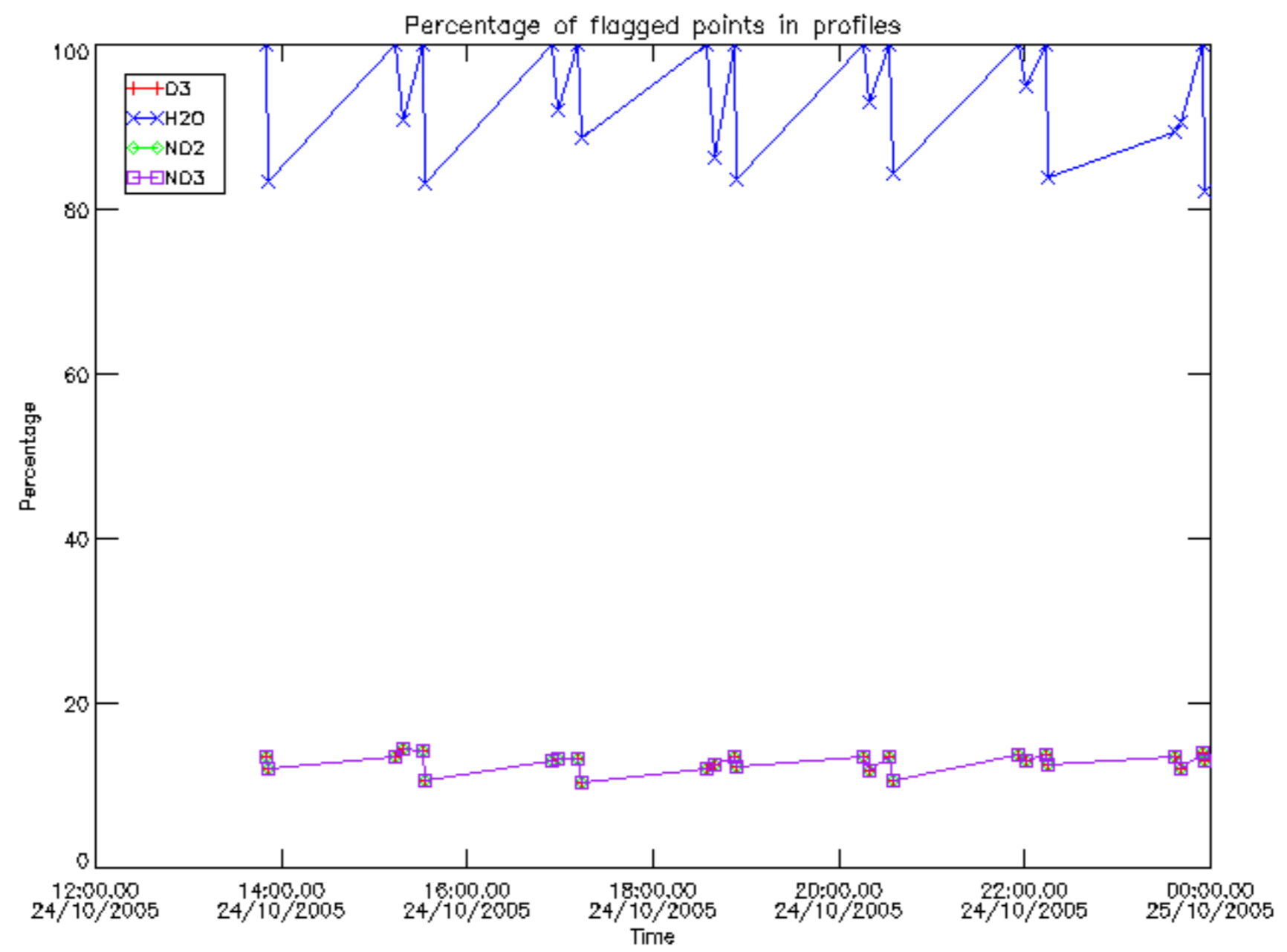




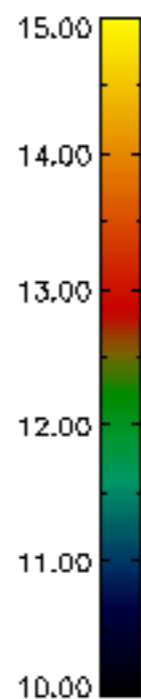
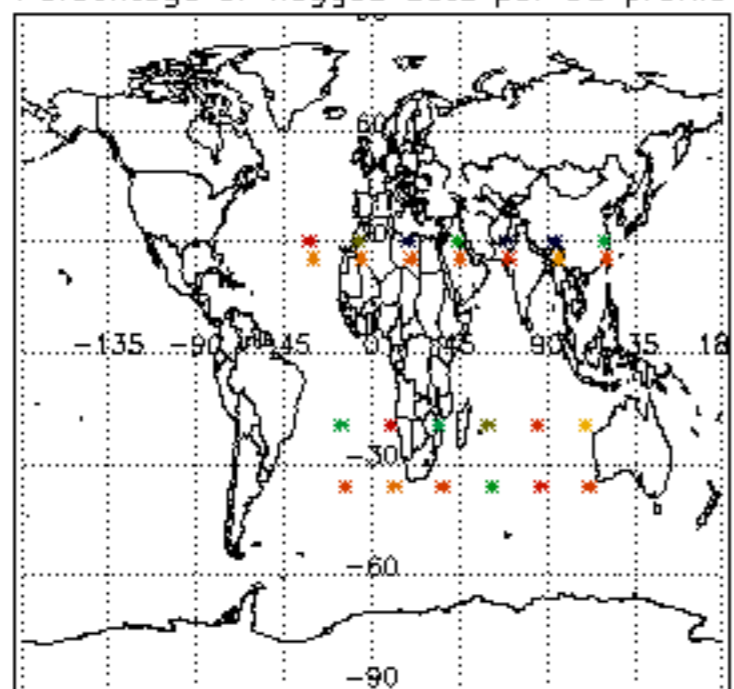




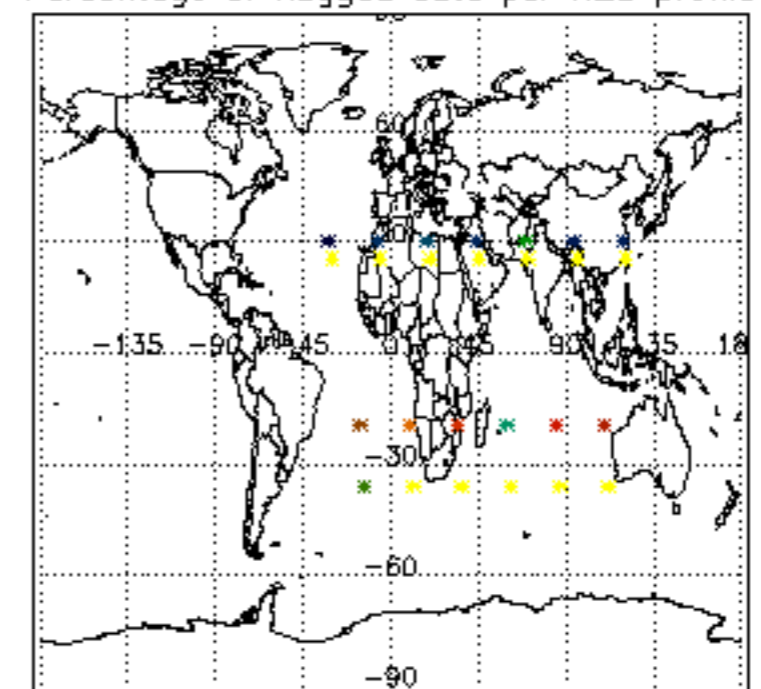




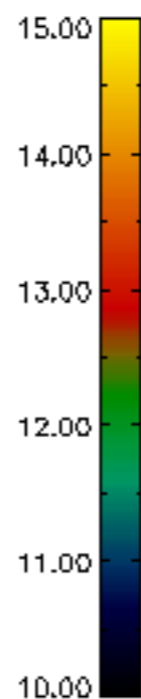
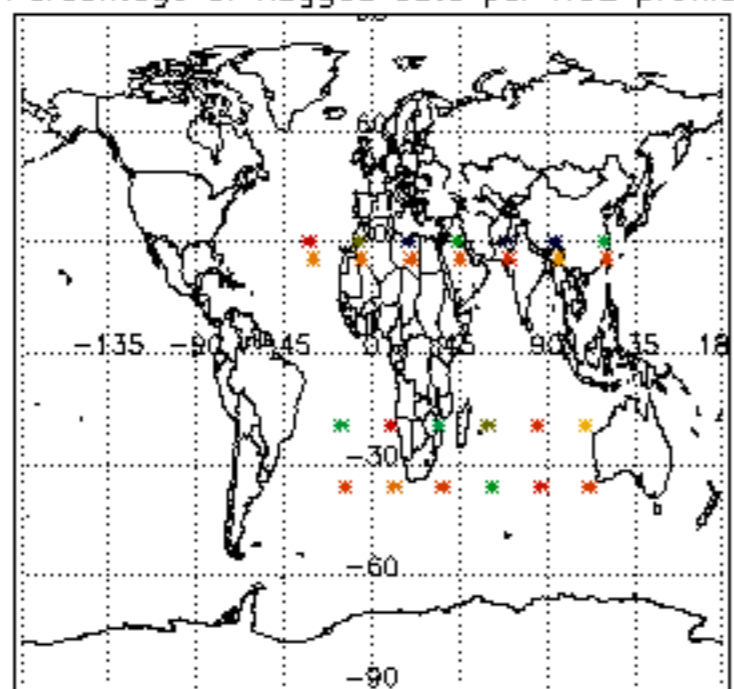
Percentage of flagged data per D3 profile



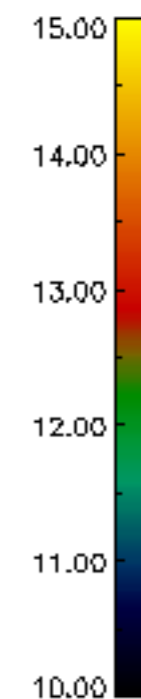
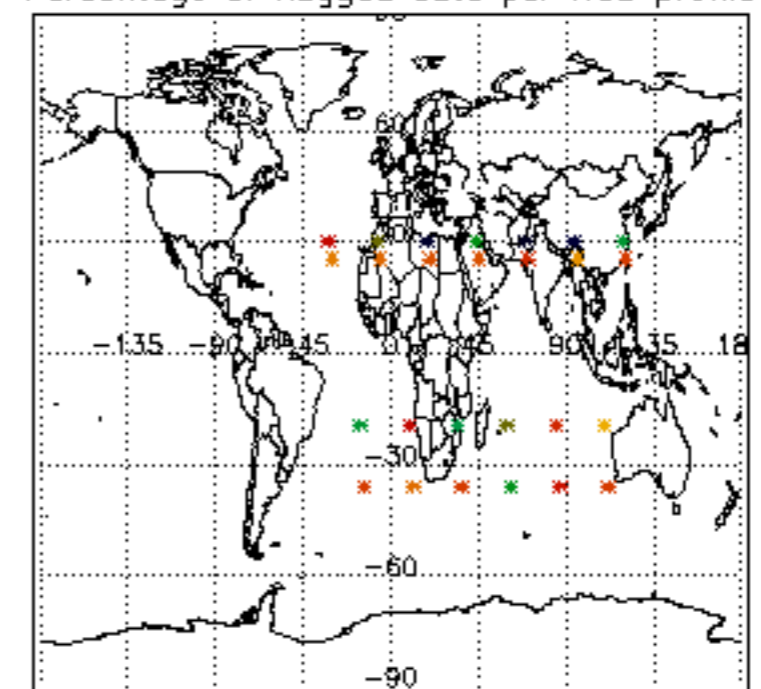
Percentage of flagged data per H2O profile

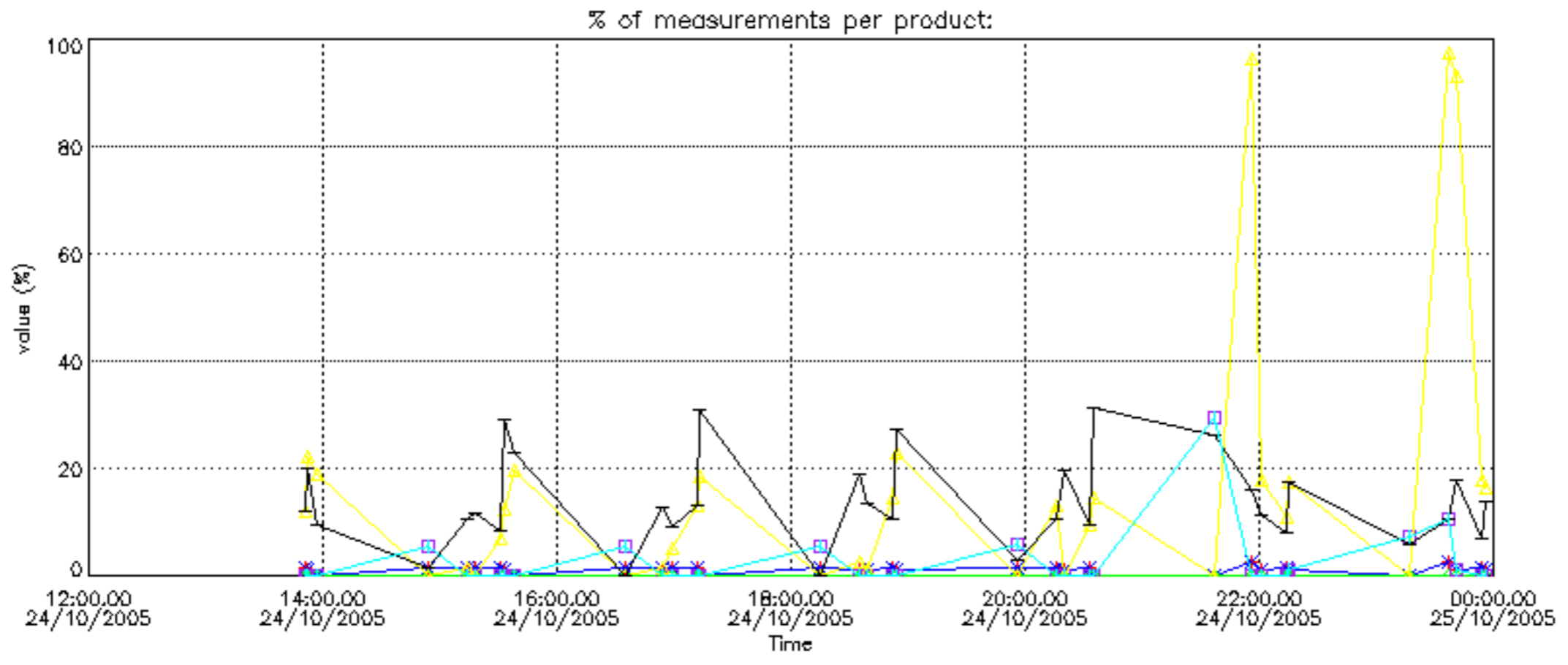


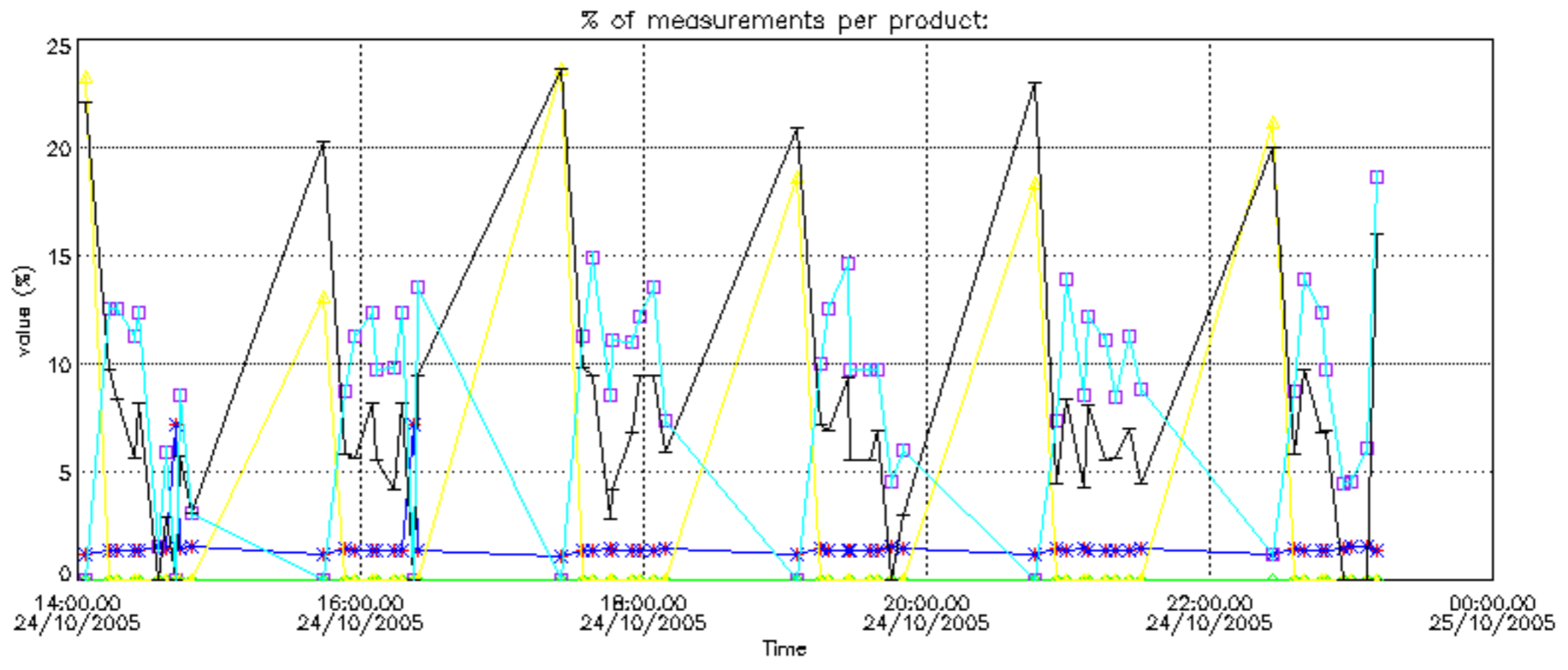
Percentage of flagged data per NO2 profile



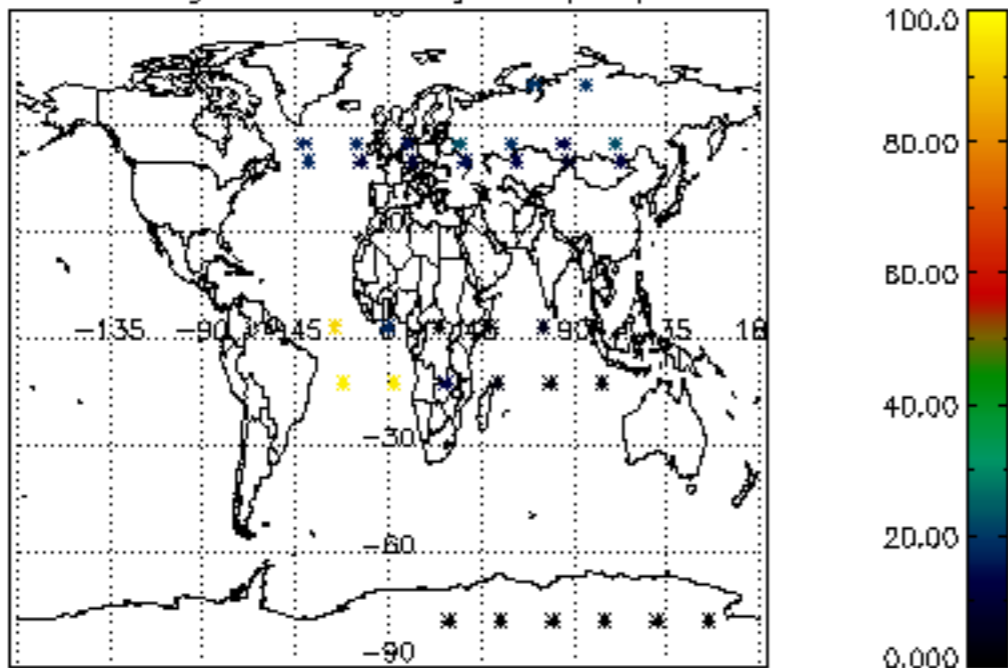
Percentage of flagged data per NO3 profile



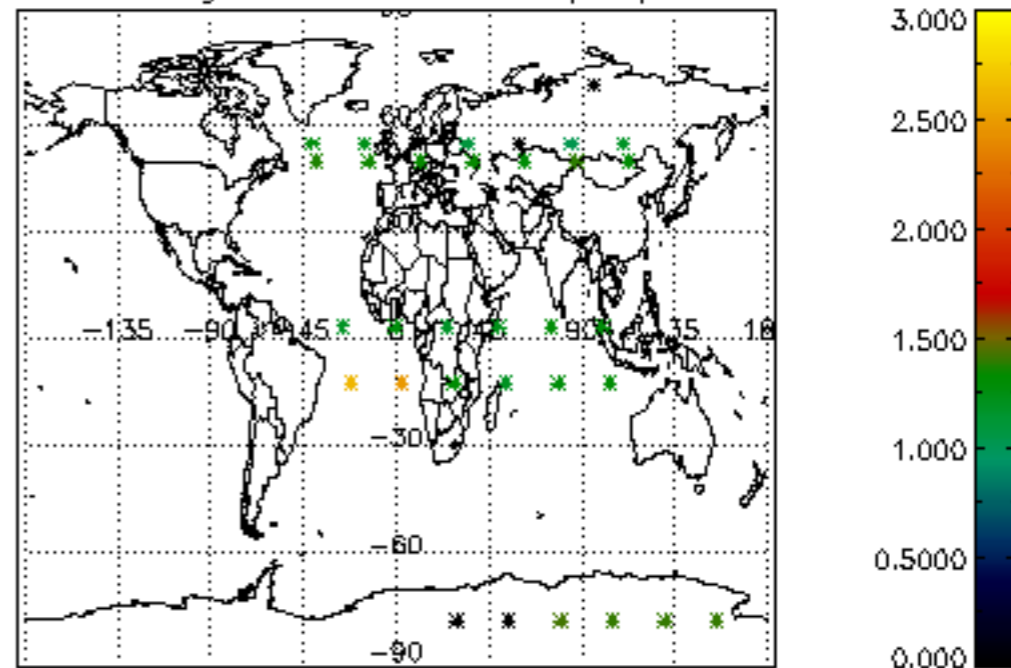




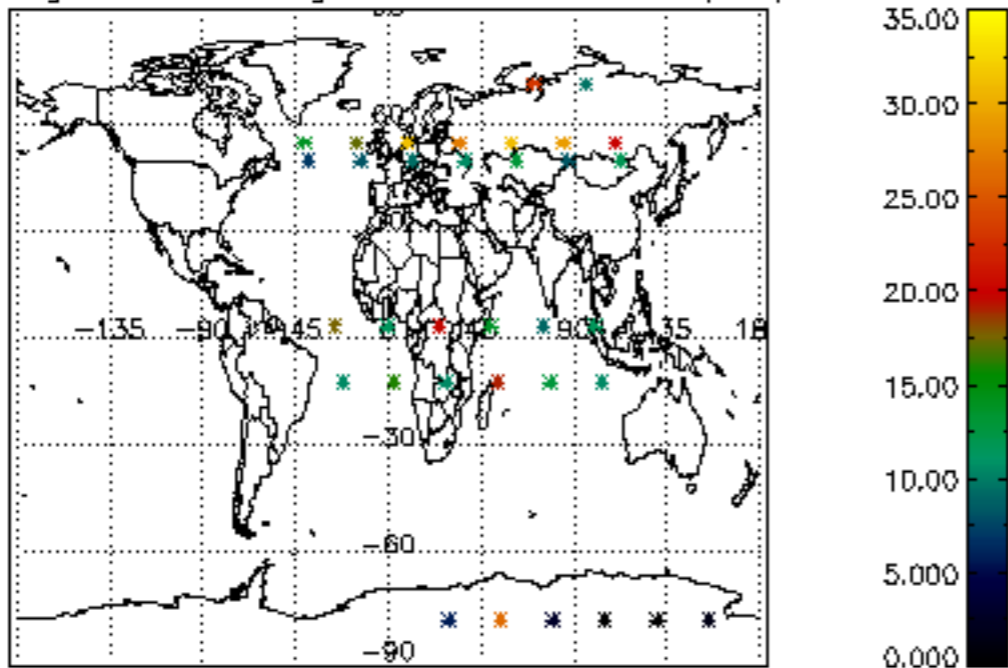
Percentage of cosmic ray hits per profile



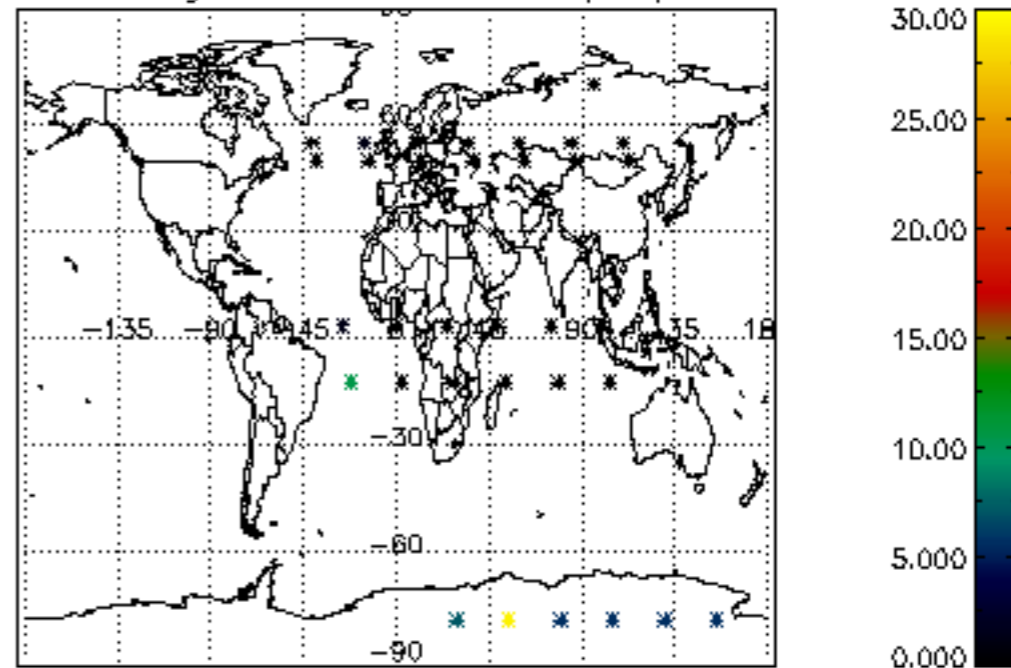
Percentage of datation errors per profile



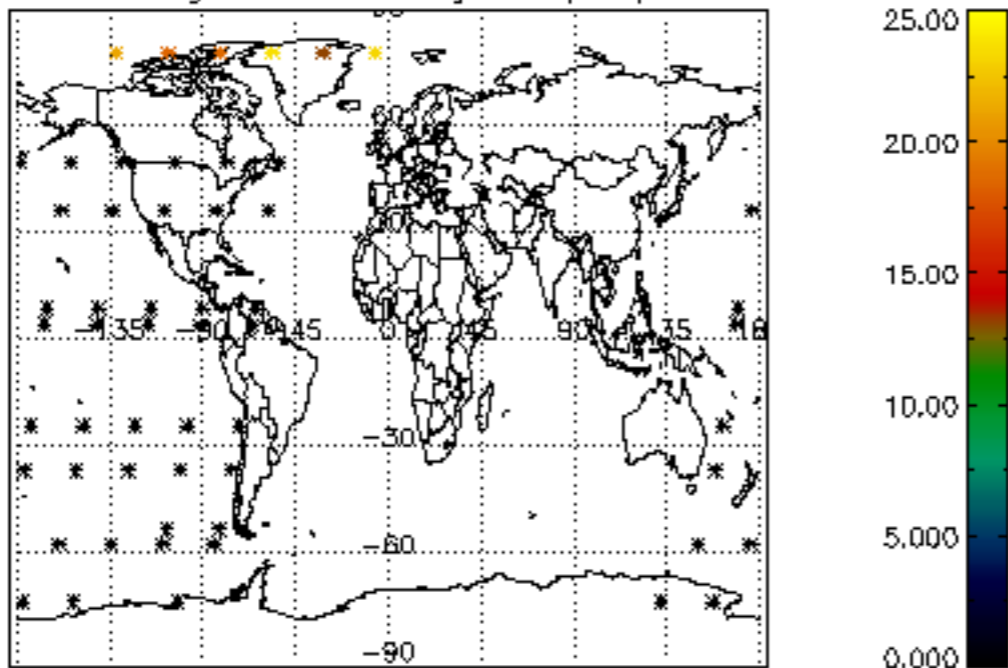
Percentage of star falling outside central band per profile



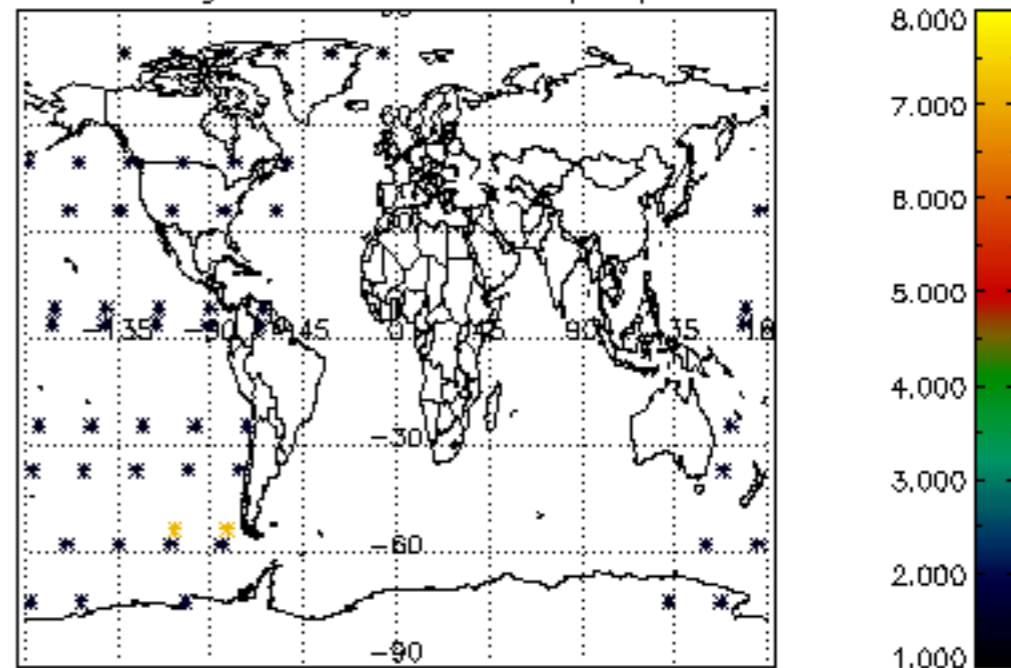
Percentage of saturation errors per profile



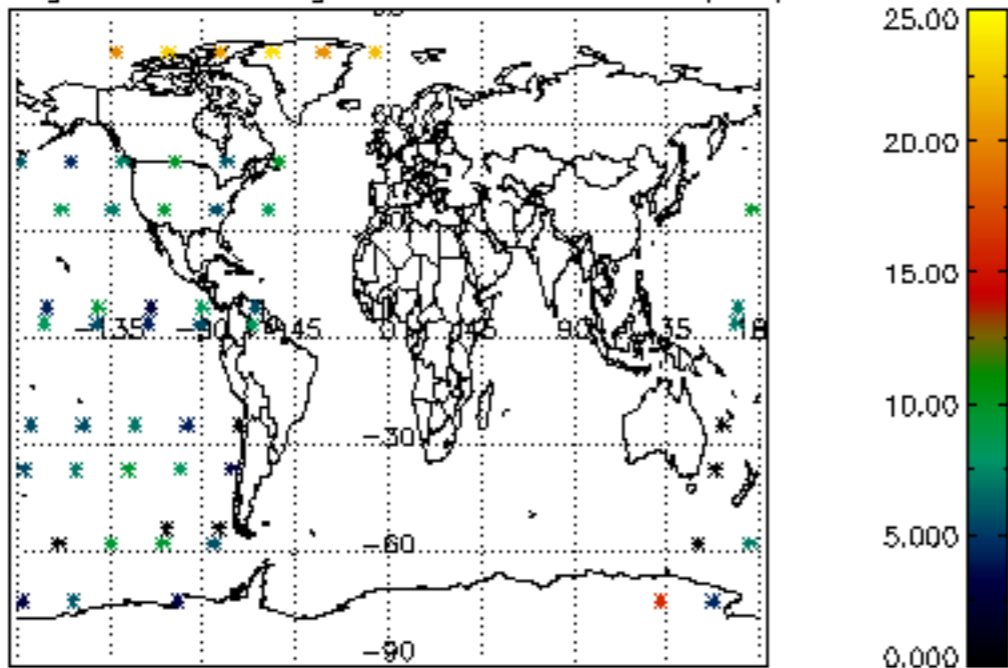
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

