

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	24APR2013 05:59:44
Data source version	GOMOS/6.01
Start time of products	19-11-2006 (19NOV2006 00:00:00)
Stop time of products	20-11-2006 (20NOV2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	100
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

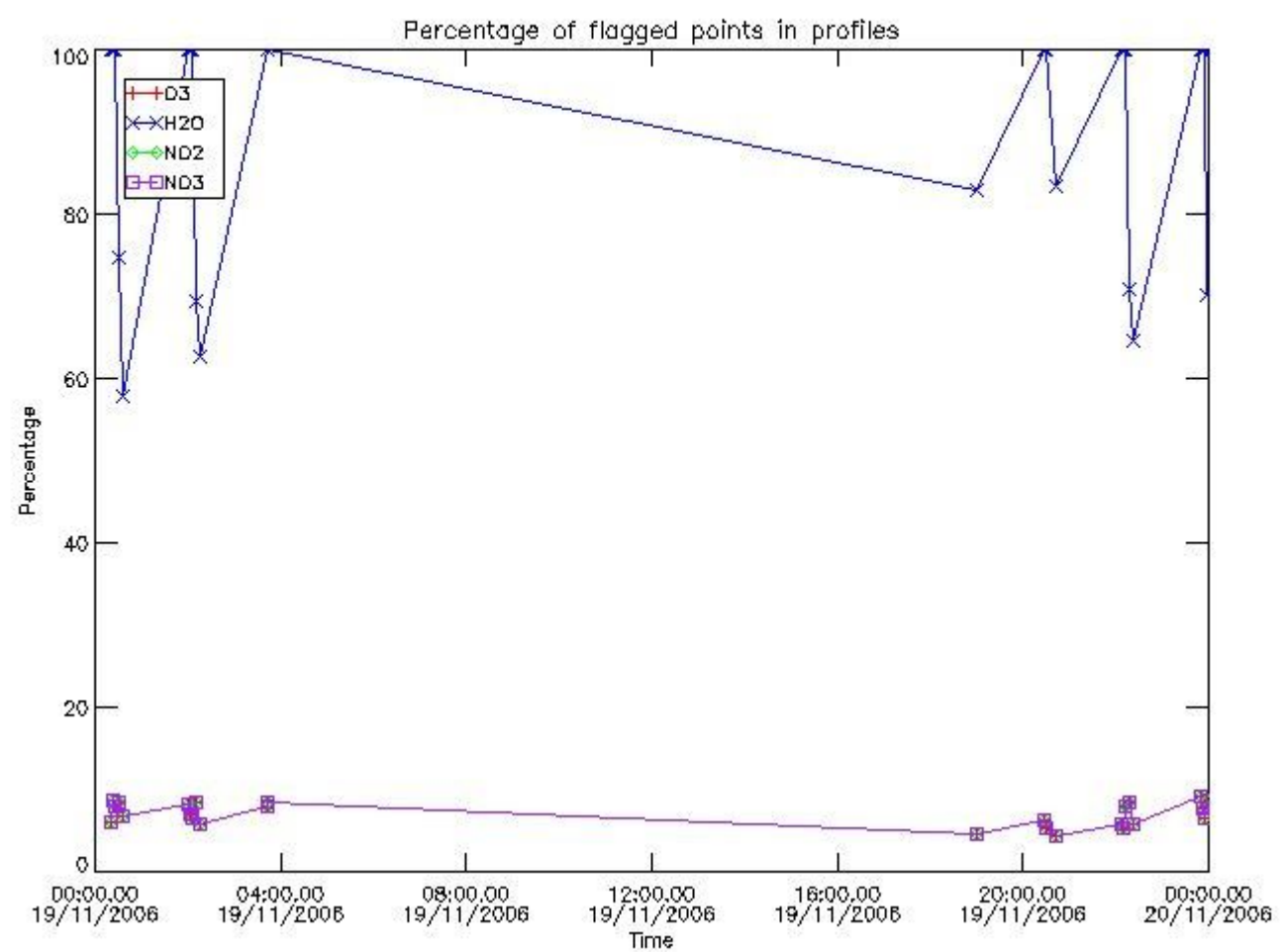
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20061119_000256_000000302053_00073_24676_4087.N1	19-NOV-2006 00:02:56	Bright	29.500	138	47Eps Vir	2.8280	4700.0	59	24676	No
2	GOM_NL__2PRFIN20061119_000650_000000332053_00073_24676_4088.N1	19-NOV-2006 00:06:50	Bright	32.500	121	29Gam Vir	2.7400	7200.0	65	24676	No
3	GOM_NL__2PRFIN20061119_001158_000000382053_00073_24676_4089.N1	19-NOV-2006 00:11:58	Twilight	38.000	100	4Gam Crv	2.5800	13100.	76	24676	No
4	GOM_NL__2PRFIN20061119_001330_000000392053_00073_24676_4090.N1	19-NOV-2006 00:13:30	Twilight	38.500	171	2Eps Crv	3.0010	4250.0	77	24676	No
5	GOM_NL__2PRFIN20061119_002038_000000352053_00073_24676_4091.N1	19-NOV-2006 00:20:38	Dark	34.500	99	Del Cen	2.5750	26000.	69	24676	No
6	GOM_NL__2PRFIN20061119_002250_000000362053_00073_24676_4092.N1	19-NOV-2006 00:22:50	Dark	35.500	113	Mu Vel	2.6920	5000.0	71	24676	No
7	GOM_NL__2PRFIN20061119_002537_000000332053_00074_24677_4071.N1	19-NOV-2006 00:25:37	Dark	32.500	124	The Car	2.7640	30000.	65	24677	No
8	GOM_NL__2PRFIN20061119_002942_000000362053_00074_24677_4072.N1	19-NOV-2006 00:29:42	Dark	36.000	41	Eps Car	1.8600	4100.0	72	24677	No
9	GOM_NL__2PRFIN20061119_003513_000000532053_00074_24677_4073.N1	19-NOV-2006 00:35:13	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	24677	No
10	GOM_NL__2PRFIN20061119_004338_000000322053_00074_24677_4074.N1	19-NOV-2006 00:43:38	Straylight	32.000	157	The1Eri	2.9060	9300.0	64	24677	No
11	GOM_NL__2PRFIN20061119_005621_000000402053_00074_24677_4075.N1	19-NOV-2006 00:56:21	Twilight	39.500	94	92Alp Cet	2.5260	3100.0	79	24677	No
12	GOM_NL__2PRFIN20061119_010115_000000302053_00074_24677_4076.N1	19-NOV-2006 01:01:15	Bright	30.000	105	6Bet Ari	2.6450	8900.0	60	24677	No
13	GOM_NL__2PRFIN20061119_010510_000000312053_00074_24677_4077.N1	19-NOV-2006 01:05:10	Bright	30.500	173	4Bet Tri	3.0040	8900.0	61	24677	No
14	GOM_NL__2PRFIN20061119_010715_000000322053_00074_24677_4078.N1	19-NOV-2006 01:07:15	Bright	31.500	73	57Gam1And	2.2600	13100.	63	24677	No
15	GOM_NL__2PRFIN20061119_011008_000000332053_00074_24677_4079.N1	19-NOV-2006 01:10:08	Bright	32.500	35	33Alp Per	1.7950	6250.0	65	24677	No
16	GOM_NL__2PRFIN20061119_011221_000000292053_00074_24677_4080.N1	19-NOV-2006 01:12:21	Bright	28.500	110	37Del Cas	2.6780	8900.0	57	24677	No
17	GOM_NL__2PRFIN20061119_012029_000000302053_00074_24677_4081.N1	19-NOV-2006 01:20:29	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24677	No
18	GOM_NL__2PRFIN20061119_012456_000000312053_00074_24677_4082.N1	19-NOV-2006 01:24:56	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	24677	No
19	GOM_NL__2PRFIN20061119_013029_000000322053_00074_24677_4083.N1	19-NOV-2006 01:30:29	Bright	31.500	32	77Eps UMa	1.7630	11000.	63	24677	No
20	GOM_NL__2PRFIN20061119_013213_000000282053_00074_24677_4084.N1	19-NOV-2006 01:32:13	Bright	28.000	39	85Eta UMa	1.8540	24000.	56	24677	No
21	GOM_NL__2PRFIN20061119_013541_000000312053_00074_24677_4085.N1	19-NOV-2006 01:35:41	Bright	30.500	152	12Alp2CVn	2.8900	11000.	61	24677	No
22	GOM_NL__2PRFIN20061119_014332_000000302053_00074_24677_4086.N1	19-NOV-2006 01:43:32	Bright	29.500	138	47Eps Vir	2.8280	4700.0	59	24677	No
23	GOM_NL__2PRFIN20061119_014726_000000332053_00074_24677_4087.N1	19-NOV-2006 01:47:26	Bright	33.000	121	29Gam Vir	2.7400	7200.0	66	24677	No
24	GOM_NL__2PRFIN20061119_015407_000000402053_00074_24677_4088.N1	19-NOV-2006 01:54:07	Twilight	40.000	171	2Eps Crv	3.0010	4250.0	80	24677	No
25	GOM_NL__2PRFIN20061119_020114_000000322053_00074_24677_4089.N1	19-NOV-2006 02:01:14	Dark	31.500	99	Del Cen	2.5750	26000.	63	24677	No
26	GOM_NL__2PRFIN20061119_020327_000000372053_00074_24677_4090.N1	19-NOV-2006 02:03:27	Dark	37.000	113	Mu Vel	2.6920	5000.0	74	24677	No
27	GOM_NL__2PRFIN20061119_020613_000000322053_00075_24678_4088.N1	19-NOV-2006 02:06:13	Dark	32.000	124	The Car	2.7640	30000.	64	24678	No
28	GOM_NL__2PRFIN20061119_021019_000000372053_00075_24678_4089.N1	19-NOV-2006 02:10:19	Dark	36.500	41	Eps Car	1.8600	4100.0	73	24678	No
29	GOM_NL__2PRFIN20061119_021550_000000542053_00075_24678_4090.N1	19-NOV-2006 02:15:50	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	24678	No
30	GOM_NL__2PRFIN20061119_022414_000000342053_00075_24678_4091.N1	19-NOV-2006 02:24:14	Straylight	33.500	157	The1Eri	2.9060	9300.0	67	24678	No
31	GOM_NL__2PRFIN20061119_023657_000000422053_00075_24678_4092.N1	19-NOV-2006 02:36:57	Twilight	41.500	94	92Alp Cet	2.5260	3100.0	83	24678	No
32	GOM_NL__2PRFIN20061119_024151_000000322053_00075_24678_4093.N1	19-NOV-2006 02:41:51	Bright	31.500	105	6Bet Ari	2.6450	8900.0	63	24678	No
33	GOM_NL__2PRFIN20061119_024546_000000302053_00075_24678_4094.N1	19-NOV-2006 02:45:46	Bright	30.000	173	4Bet Tri	3.0040	8900.0	60	24678	No
34	GOM_NL__2PRFIN20061119_024750_000000312053_00075_24678_4095.N1	19-NOV-2006 02:47:50	Bright	31.000	73	57Gam1And	2.2600	13100.	62	24678	No
35	GOM_NL__2PRFIN20061119_025044_000000342053_00075_24678_4096.N1	19-NOV-2006 02:50:44	Bright	33.500	35	33Alp Per	1.7950	6250.0	67	24678	No
36	GOM_NL__2PRFIN20061119_025257_000000292053_00075_24678_4097.N1	19-NOV-2006 02:52:57	Bright	28.500	110	37Del Cas	2.6780	8900.0	57	24678	No
37	GOM_NL__2PRFIN20061119_030105_000000302053_00075_24678_4098.N1	19-NOV-2006 03:01:05	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24678	No
38	GOM_NL__2PRFIN20061119_030532_000000462053_00075_24678_4099.N1	19-NOV-2006 03:05:32	Bright	46.000	60	7Bet UMi	2.0810	3950.0	92	24678	No
39	GOM_NL__2PRFIN20061119_031105_000000302053_00075_24678_4100.N1	19-NOV-2006 03:11:05	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	24678	No
40	GOM_NL__2PRFIN20061119_031249_000000282053_00075_24678_4101.N1	19-NOV-2006 03:12:49	Bright	28.000	39	85Eta UMa	1.8540	24000.	56	24678	No
41	GOM_NL__2PRFIN20061119_031617_000000302053_00075_24678_4102.N1	19-NOV-2006 03:16:17	Bright	30.000	152	12Alp2CVn	2.8900	11000.	60	24678	No
42	GOM_NL__2PRFIN20061119_032408_000000292053_00075_24678_4103.N1	19-NOV-2006 03:24:08	Bright	29.000	138	47Eps Vir	2.8280	4700.0	58	24678	No

43	GOM_NL__2PRFIN20061119_032802_000000332053_00075_24678_4104.N1	19-NOV-2006 03:28:02	Bright	32.500	121	29Gam Vir	2.7400	7200.0	65	24678	No
44	GOM_NL__2PRFIN20061119_033311_000000372053_00075_24678_4105.N1	19-NOV-2006 03:33:11	Twilight	36.500	100	4Gam Crv	2.5800	13100.	73	24678	No
45	GOM_NL__2PRFIN20061119_033443_000000402053_00075_24678_4106.N1	19-NOV-2006 03:34:43	Twilight	39.500	171	2Eps Crv	3.0010	4250.0	79	24678	No
46	GOM_NL__2PRFIN20061119_034151_000000332053_00075_24678_4107.N1	19-NOV-2006 03:41:51	Dark	32.500	99	Del Cen	2.5750	26000.	65	24678	No
47	GOM_NL__2PRFIN20061119_034403_000000362053_00075_24678_4108.N1	19-NOV-2006 03:44:03	Dark	35.500	113	Mu Vel	2.6920	5000.0	71	24678	No
48	GOM_NL__2PRFIN20061119_190053_000001142053_00085_24688_1475.N1	19-NOV-2006 19:00:53	Dark	114.00	2	Alp Car	-0.73600	7000.0	228	24688	No
49	GOM_NL__2PRFIN20061119_190919_000000902053_00085_24688_1476.N1	19-NOV-2006 19:09:19	Straylight	90.000	157	The1Eri	2.9060	9300.0	180	24688	No
50	GOM_NL__2PRFIN20061119_192157_000000962053_00085_24688_1477.N1	19-NOV-2006 19:21:57	Twilight	96.000	94	92Alp Cet	2.5260	3100.0	192	24688	No
51	GOM_NL__2PRFIN20061119_192657_000000862053_00085_24688_1478.N1	19-NOV-2006 19:26:57	Bright	86.000	105	6Bet Ari	2.6450	8900.0	172	24688	No
52	GOM_NL__2PRFIN20061119_193802_000000842053_00085_24688_1479.N1	19-NOV-2006 19:38:02	Bright	84.000	110	37Del Cas	2.6780	8900.0	168	24688	No
53	GOM_NL__2PRFIN20061119_194608_000000882053_00085_24688_1480.N1	19-NOV-2006 19:46:08	Bright	87.500	49	1Alp UMi	1.9900	6300.0	175	24688	No
54	GOM_NL__2PRFIN20061119_195036_000000862053_00085_24688_1481.N1	19-NOV-2006 19:50:36	Bright	85.500	60	7Bet UMi	2.0810	3950.0	171	24688	No
55	GOM_NL__2PRFIN20061119_195606_000000892053_00085_24688_1482.N1	19-NOV-2006 19:56:06	Bright	88.500	32	77Eps UMa	1.7630	11000.	177	24688	No
56	GOM_NL__2PRFIN20061119_200119_000000892053_00085_24688_1483.N1	19-NOV-2006 20:01:19	Bright	88.500	152	12Alp2CVn	2.8900	11000.	177	24688	No
57	GOM_NL__2PRFIN20061119_200913_000000882053_00085_24688_1484.N1	19-NOV-2006 20:09:13	Bright	87.500	138	47Eps Vir	2.8280	4700.0	175	24688	No
58	GOM_NL__2PRFIN20061119_201307_000000902053_00085_24688_1485.N1	19-NOV-2006 20:13:07	Bright	90.000	121	29Gam Vir	2.7400	7200.0	180	24688	No
59	GOM_NL__2PRFIN20061119_201735_000000922053_00085_24688_1486.N1	19-NOV-2006 20:17:35	Twilight	92.000	163	7Del Crv	2.9450	11000.	184	24688	No
60	GOM_NL__2PRFIN20061119_201948_000000972053_00085_24688_1487.N1	19-NOV-2006 20:19:48	Twilight	97.000	171	2Eps Crv	3.0010	4250.0	194	24688	No
61	GOM_NL__2PRFIN20061119_202658_000000882053_00085_24688_1488.N1	19-NOV-2006 20:26:58	Dark	88.000	99	Del Cen	2.5750	26000.	176	24688	No
62	GOM_NL__2PRFIN20061119_202910_000000962053_00085_24688_1489.N1	19-NOV-2006 20:29:10	Dark	95.500	113	Mu Vel	2.6920	5000.0	191	24688	No
63	GOM_NL__2PRFIN20061119_204130_000001172053_00086_24689_1474.N1	19-NOV-2006 20:41:30	Dark	117.00	2	Alp Car	-0.73600	7000.0	234	24689	No
64	GOM_NL__2PRFIN20061119_204956_000000892053_00086_24689_1475.N1	19-NOV-2006 20:49:56	Straylight	88.500	157	The1Eri	2.9060	9300.0	177	24689	No
65	GOM_NL__2PRFIN20061119_210233_000001002053_00086_24689_1476.N1	19-NOV-2006 21:02:33	Twilight	99.500	94	92Alp Cet	2.5260	3100.0	199	24689	No
66	GOM_NL__2PRFIN20061119_210733_000000852053_00086_24689_1477.N1	19-NOV-2006 21:07:33	Bright	85.000	105	6Bet Ari	2.6450	8900.0	170	24689	No
67	GOM_NL__2PRFIN20061119_211838_000000932053_00086_24689_1478.N1	19-NOV-2006 21:18:38	Bright	93.000	110	37Del Cas	2.6780	8900.0	186	24689	No
68	GOM_NL__2PRFIN20061119_212644_000000832053_00086_24689_1479.N1	19-NOV-2006 21:26:44	Bright	83.000	49	1Alp UMi	1.9900	6300.0	166	24689	No
69	GOM_NL__2PRFIN20061119_213112_000000882053_00086_24689_1480.N1	19-NOV-2006 21:31:12	Bright	87.500	60	7Bet UMi	2.0810	3950.0	175	24689	No
70	GOM_NL__2PRFIN20061119_213642_000000902053_00086_24689_1481.N1	19-NOV-2006 21:36:42	Bright	89.500	32	77Eps UMa	1.7630	11000.	179	24689	No
71	GOM_NL__2PRFIN20061119_214155_000000892053_00086_24689_1482.N1	19-NOV-2006 21:41:55	Bright	89.000	152	12Alp2CVn	2.8900	11000.	178	24689	No
72	GOM_NL__2PRFIN20061119_214949_000000872053_00086_24689_1483.N1	19-NOV-2006 21:49:49	Bright	87.000	138	47Eps Vir	2.8280	4700.0	174	24689	No
73	GOM_NL__2PRFIN20061119_215343_000000952053_00086_24689_1484.N1	19-NOV-2006 21:53:43	Bright	95.000	121	29Gam Vir	2.7400	7200.0	190	24689	No
74	GOM_NL__2PRFIN20061119_215812_000000912053_00086_24689_1485.N1	19-NOV-2006 21:58:12	Twilight	90.500	163	7Del Crv	2.9450	11000.	181	24689	No
75	GOM_NL__2PRFIN20061119_220025_000000942053_00086_24689_1486.N1	19-NOV-2006 22:00:25	Twilight	94.000	171	2Eps Crv	3.0010	4250.0	188	24689	No
76	GOM_NL__2PRFIN20061119_220734_000000892053_00086_24689_1487.N1	19-NOV-2006 22:07:34	Dark	88.500	99	Del Cen	2.5750	26000.	177	24689	No
77	GOM_NL__2PRFIN20061119_220947_000000962053_00086_24689_1488.N1	19-NOV-2006 22:09:47	Dark	96.000	113	Mu Vel	2.6920	5000.0	192	24689	No
78	GOM_NL__2PRFIN20061119_221329_000000332053_00087_24690_1473.N1	19-NOV-2006 22:13:29	Dark	32.500	124	The Car	2.7640	30000.	65	24690	No
79	GOM_NL__2PRFIN20061119_221738_000000372053_00087_24690_1474.N1	19-NOV-2006 22:17:38	Dark	36.500	41	Eps Car	1.8600	4100.0	73	24690	No
80	GOM_NL__2PRFIN20061119_222309_000000542053_00087_24690_1475.N1	19-NOV-2006 22:23:09	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	24690	No
81	GOM_NL__2PRFIN20061119_223128_000000332053_00087_24690_1476.N1	19-NOV-2006 22:31:28	Straylight	32.500	157	The1Eri	2.9060	9300.0	65	24690	No
82	GOM_NL__2PRFIN20061119_224408_000000402053_00087_24690_1477.N1	19-NOV-2006 22:44:08	Twilight	39.500	94	92Alp Cet	2.5260	3100.0	79	24690	No
83	GOM_NL__2PRFIN20061119_224904_000000312053_00087_24690_1478.N1	19-NOV-2006 22:49:04	Bright	31.000	105	6Bet Ari	2.6450	8900.0	62	24690	No
84	GOM_NL__2PRFIN20061119_225258_000000292053_00087_24690_1479.N1	19-NOV-2006 22:52:58	Bright	29.000	173	4Bet Tri	3.0040	8900.0	58	24690	No
85	GOM_NL__2PRFIN20061119_225502_000000302053_00087_24690_1480.N1	19-NOV-2006 22:55:02	Bright	29.500	73	57Gam1And	2.2600	13100.	59	24690	No
86	GOM_NL__2PRFIN20061119_225752_000000332053_00087_24690_1481.N1	19-NOV-2006 22:57:52	Bright	33.000	35	33Alp Per	1.7950	6250.0	66	24690	No
87	GOM_NL__2PRFIN20061119_230009_000000302053_00087_24690_1482.N1	19-NOV-2006 23:00:09	Bright	30.000	110	37Del Cas	2.6780	8900.0	60	24690	No
88	GOM_NL__2PRFIN20061119_230817_000000302053_00087_24690_1483.N1	19-NOV-2006 23:08:17	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24690	No
89	GOM_NL__2PRFIN20061119_231244_000000312053_00087_24690_1484.N1	19-NOV-2006 23:12:44	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	24690	No
90	GOM_NL__2PRFIN20061119_231816_000000312053_00087_24690_1485.N1	19-NOV-2006 23:18:16	Bright	30.500	32	77Eps UMa	1.7630	11000.	61	24690	No
91	GOM_NL__2PRFIN20061119_232001_000000292053_00087_24690_1486.N1	19-NOV-2006 23:20:01	Bright	29.000	39	85Eta UMa	1.8540	24000.	58	24690	No
92	GOM_NL__2PRFIN20061119_232330_000000312053_00087_24690_1487.N1	19-NOV-2006 23:23:30	Bright	31.000	152	12Alp2CVn	2.8900	11000.	62	24690	No
93	GOM_NL__2PRFIN20061119_233123_000000292053_00087_24690_1488.N1	19-NOV-2006 23:31:23	Bright	29.000	138	47Eps Vir	2.8280	4700.0	58	24690	No
94	GOM_NL__2PRFIN20061119_233518_000000332053_00087_24690_1489.N1	19-NOV-2006 23:35:18	Bright	33.000	121	29Gam Vir	2.7400	7200.0	66	24690	No
95	GOM_NL__2PRFIN20061119_234029_000000382053_00087_24690_1490.N1	19-NOV-2006 23:40:29	Twilight	37.500	100	4Gam Crv	2.5800	13100.	75	24690	No
96	GOM_NL__2PRFIN20061119_234201_000000382053_00087_24690_1491.N1	19-NOV-2006 23:42:01	Twilight	38.000	171	2Eps Crv	3.0010	4250.0	76	24690	No
97	GOM_NL__2PRFIN20061119_234907_000000342053_00087_24690_1492.N1	19-NOV-2006 23:49:07	Dark	33.500	99	Del Cen	2.5750	26000.	67	24690	No
98	GOM_NL__2PRFIN20061119_235123_000000402053_00087_24690_1493.N1	19-NOV-2006 23:51:23	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	24690	No
99	GOM_NL__2PRFIN20061119_235406_000000322053_00088_24691_1472.N1	19-NOV-2006 23:54:06	Dark	31.500	124	The Car	2.7640	30000.	63	24691	No
100	GOM_NL__2PRFIN20061119_235815_000000362053_00088_24691_1473.N1	19-NOV-2006 23:58:15	Dark	35.500	41	Eps Car	1.8600	4100.0	71	24691	No

3. Quality information per product

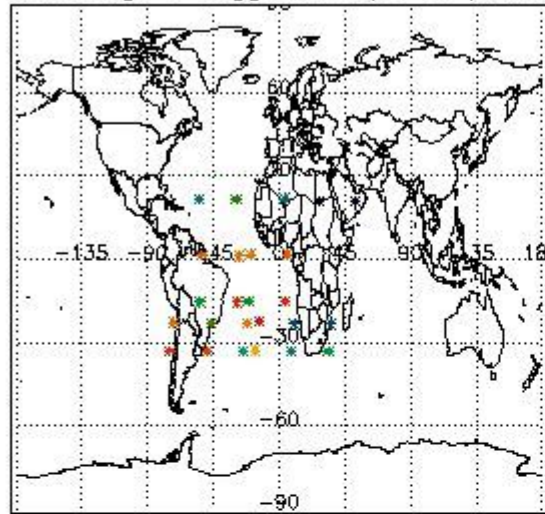
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

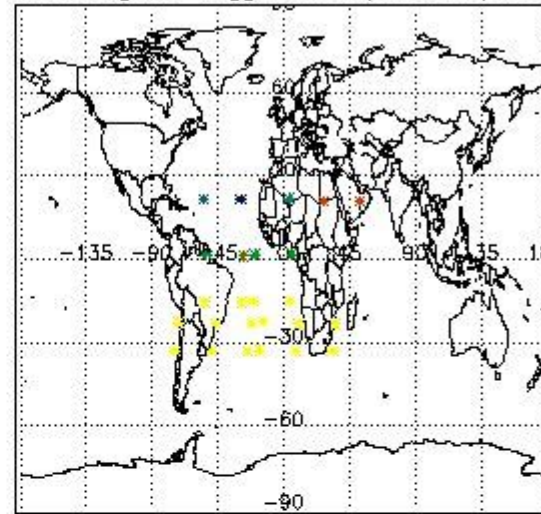


3.2 Plot quality information per product (world map)

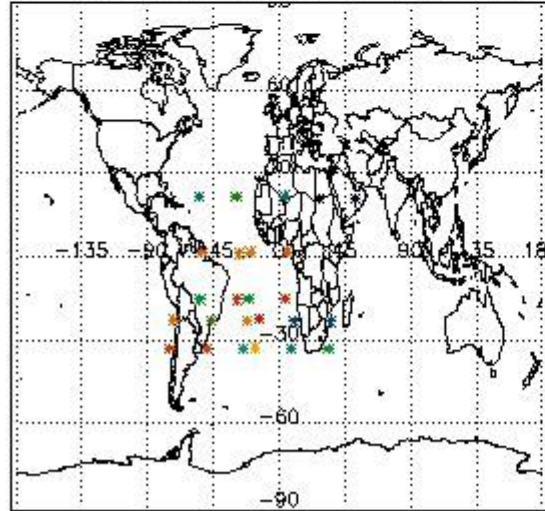
Percentage of flagged data per O3 profile



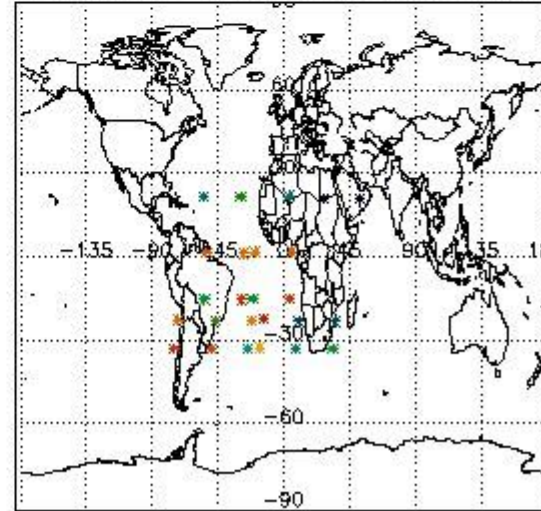
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

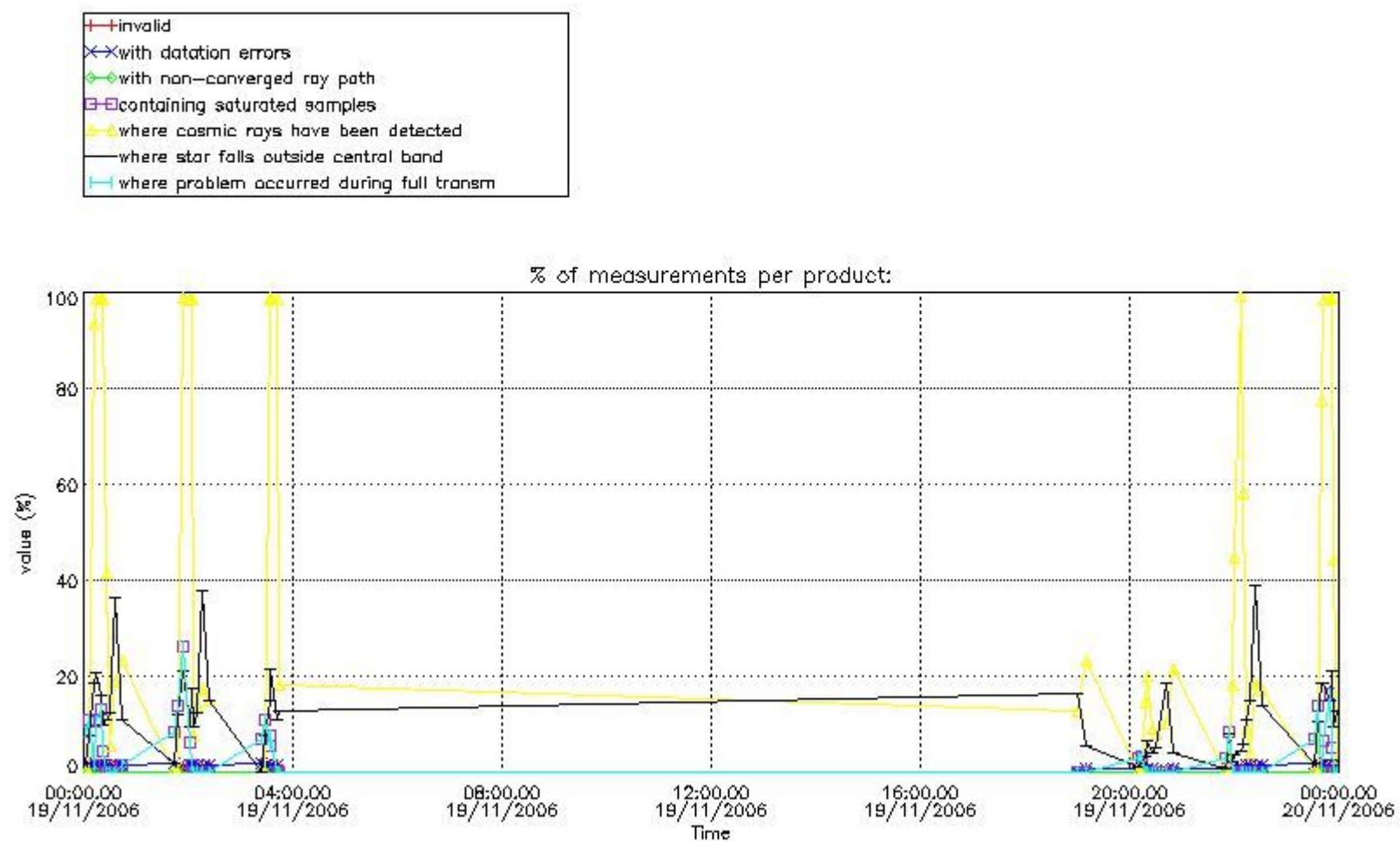


4. Level 1 quality information per product

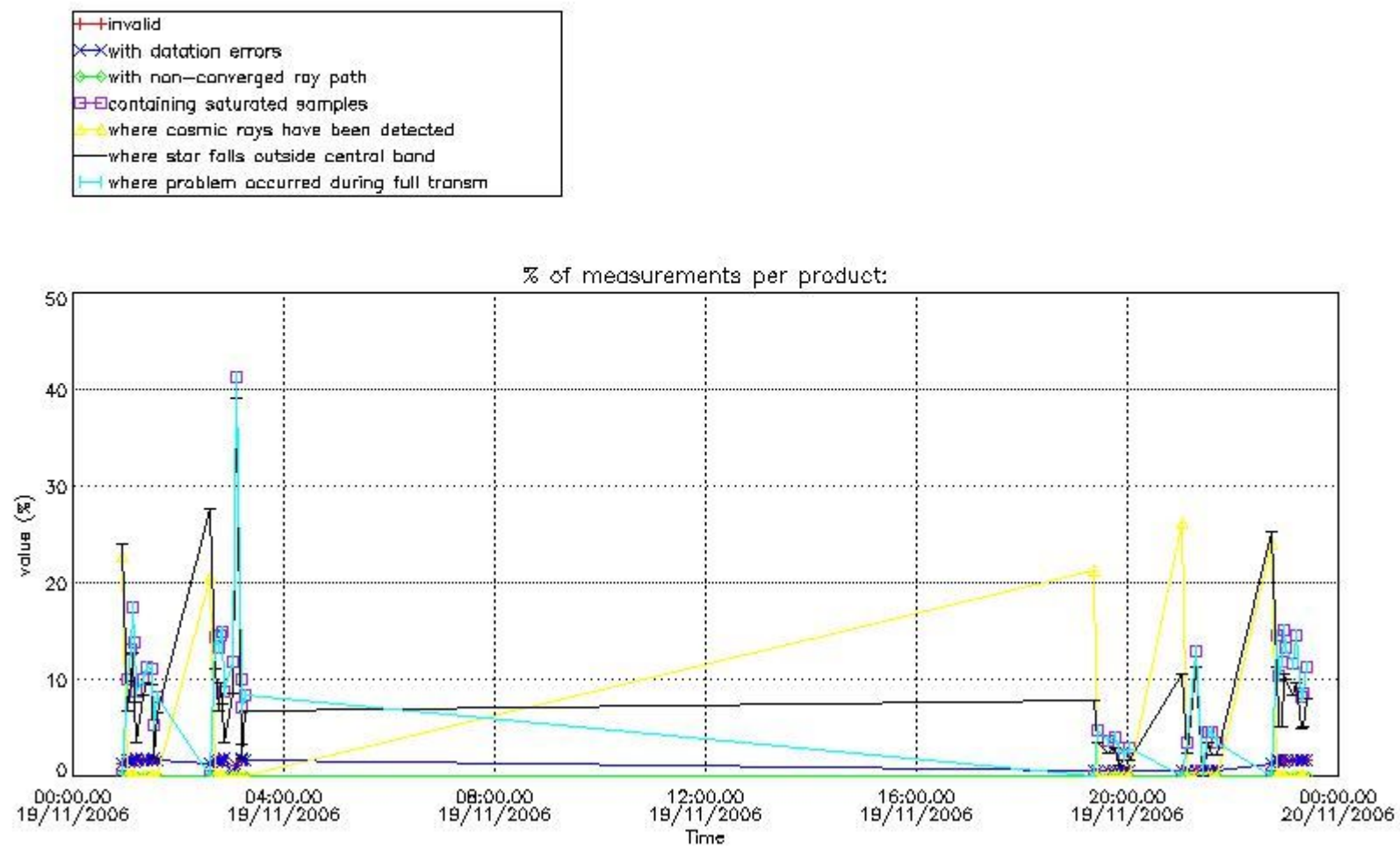
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



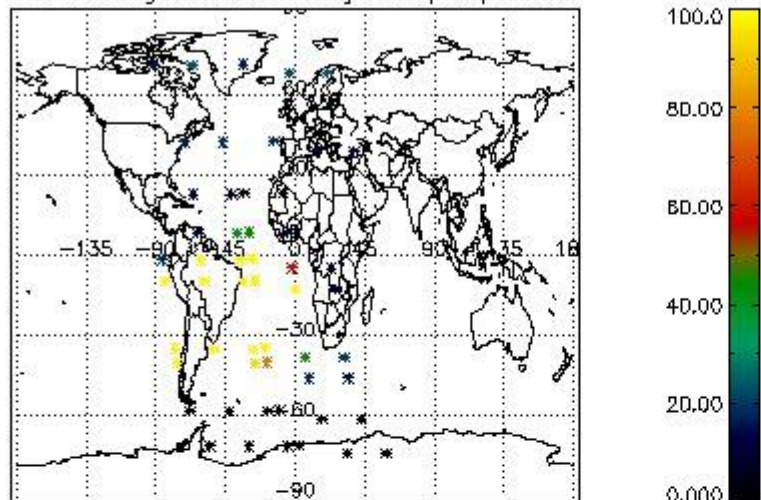
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



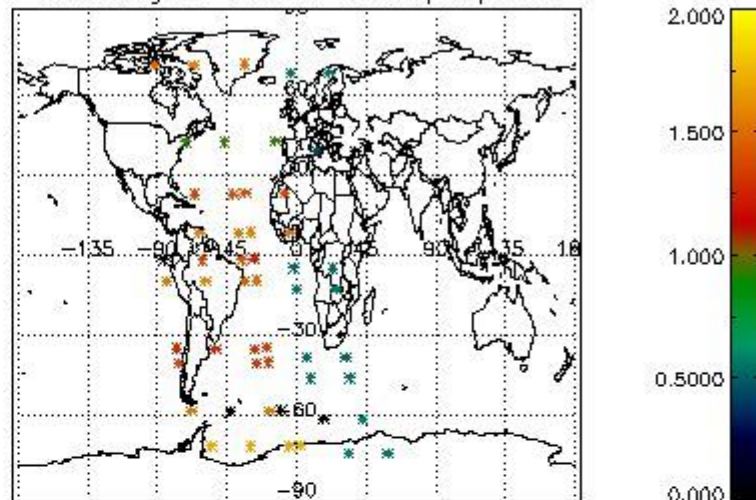
4.2 Plot quality information per product coming from level 1b processing (world map)

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

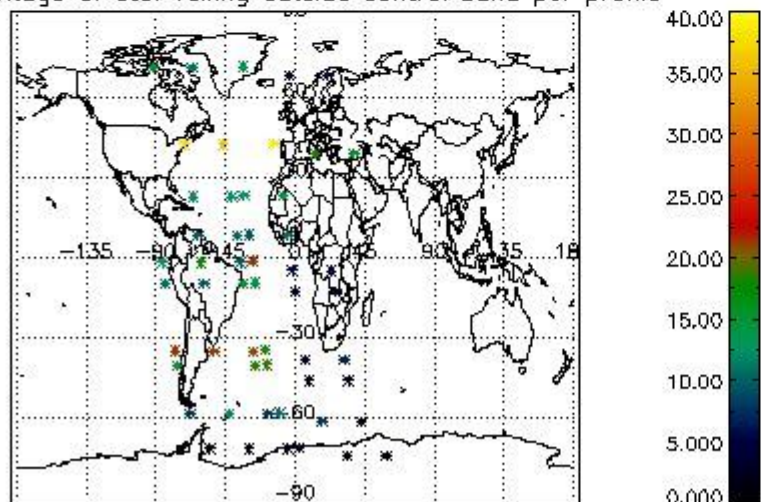
Percentage of cosmic ray hits per profile



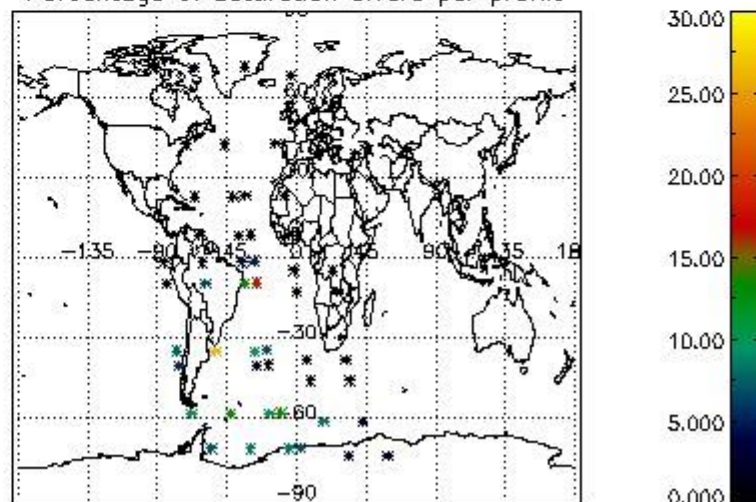
Percentage of datation errors per profile



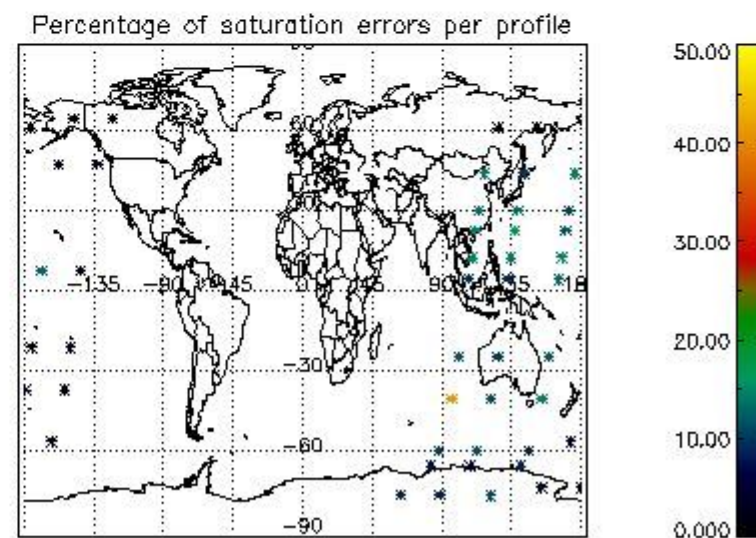
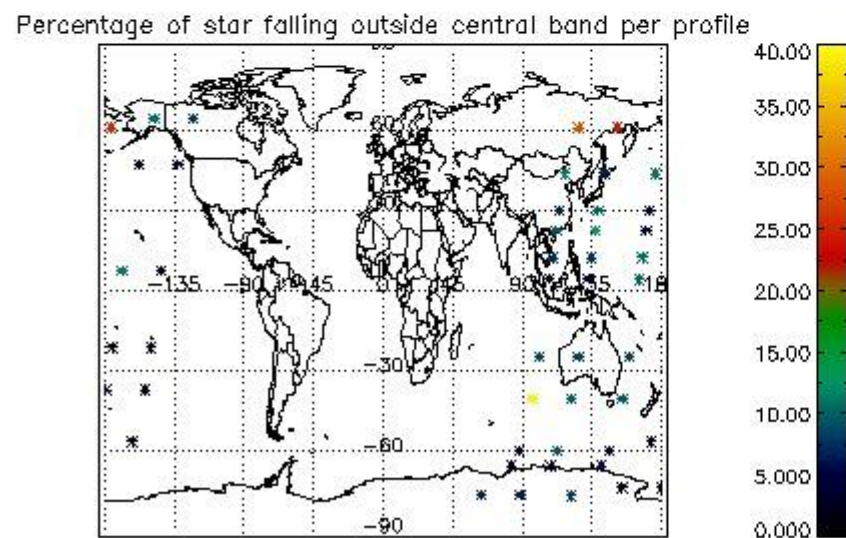
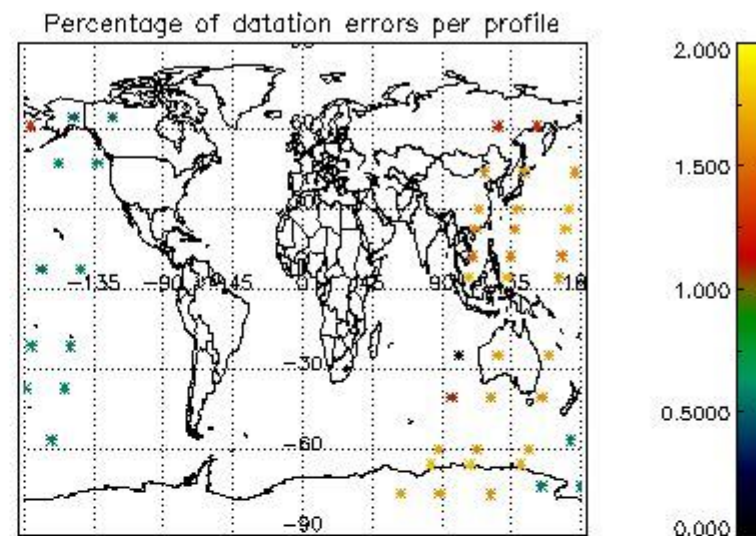
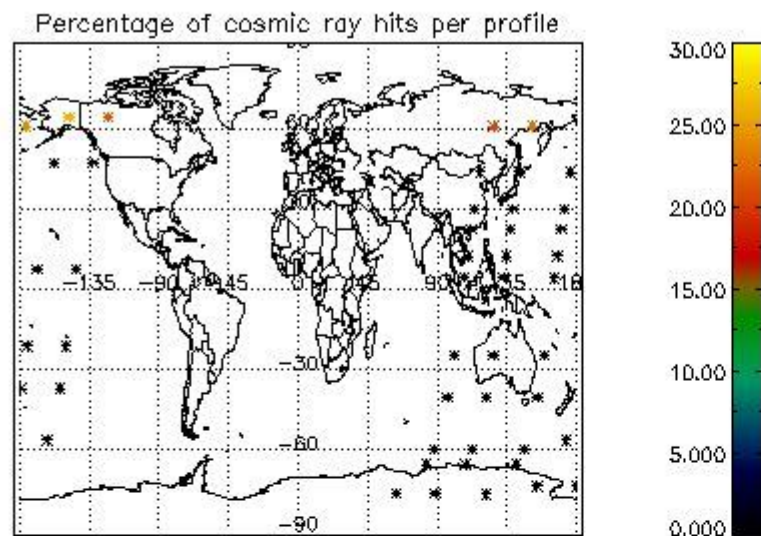
Percentage of star falling outside central band per profile



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

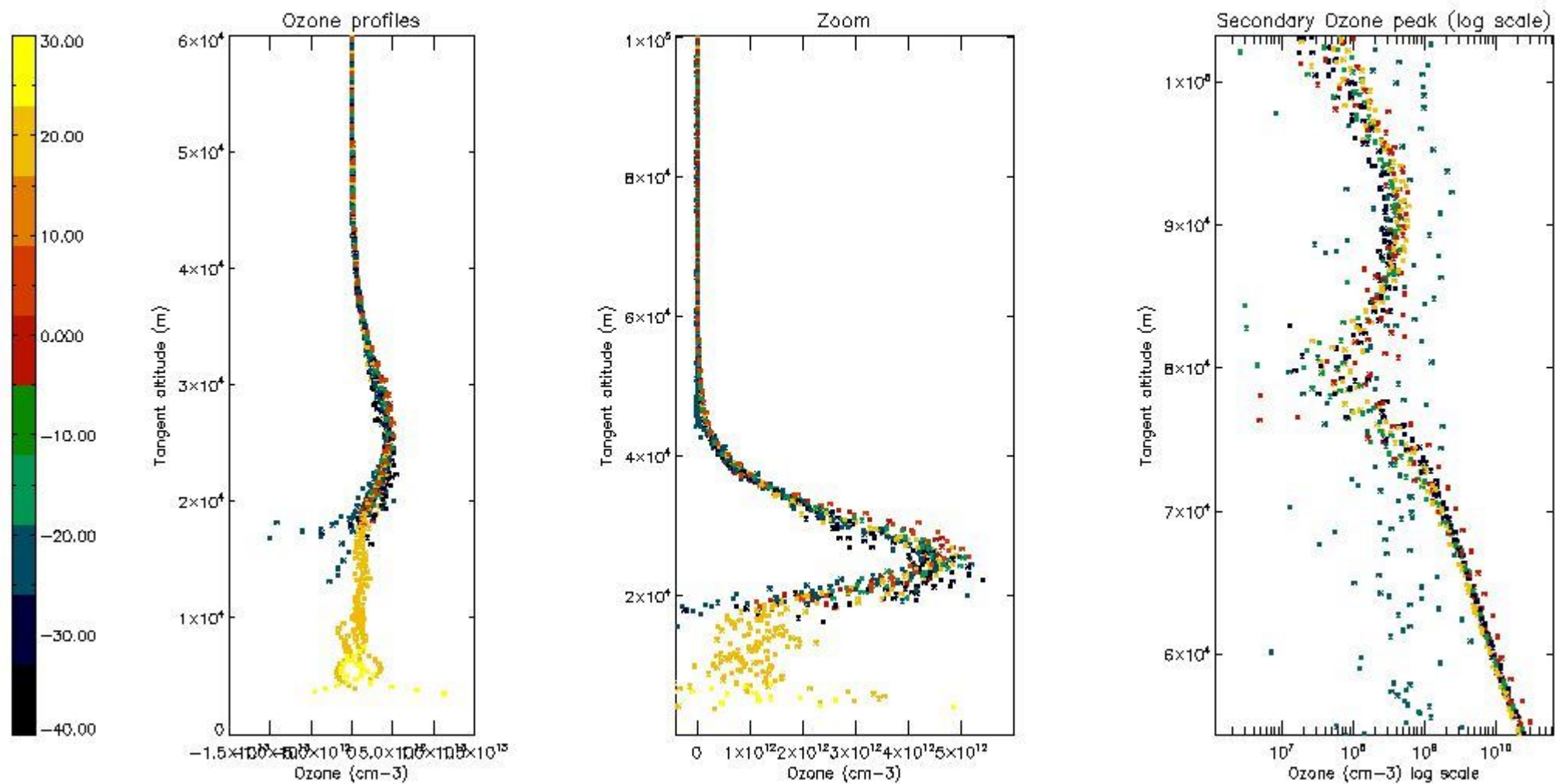
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	11

STD < 10	9
STD < 5	5

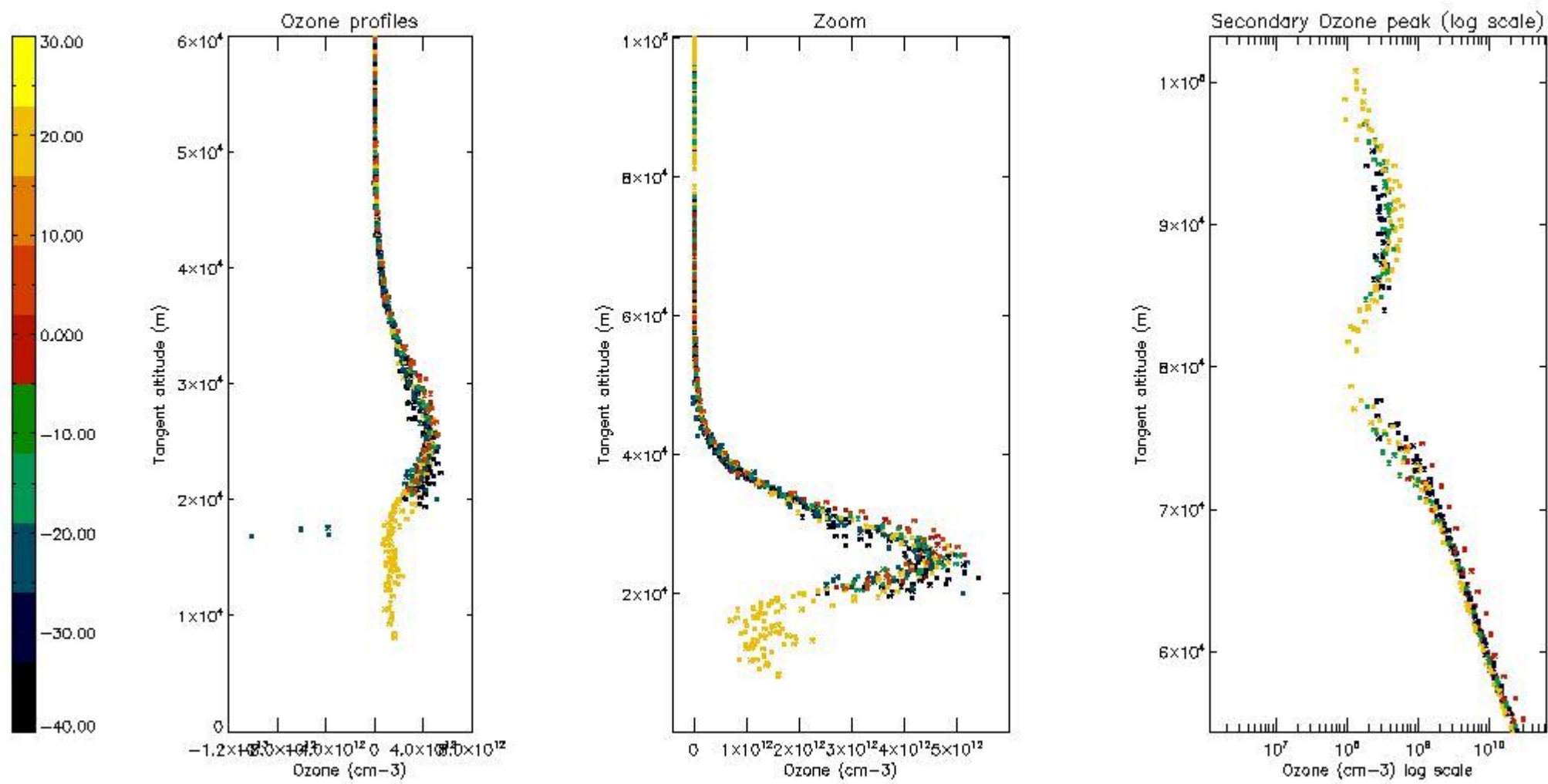
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



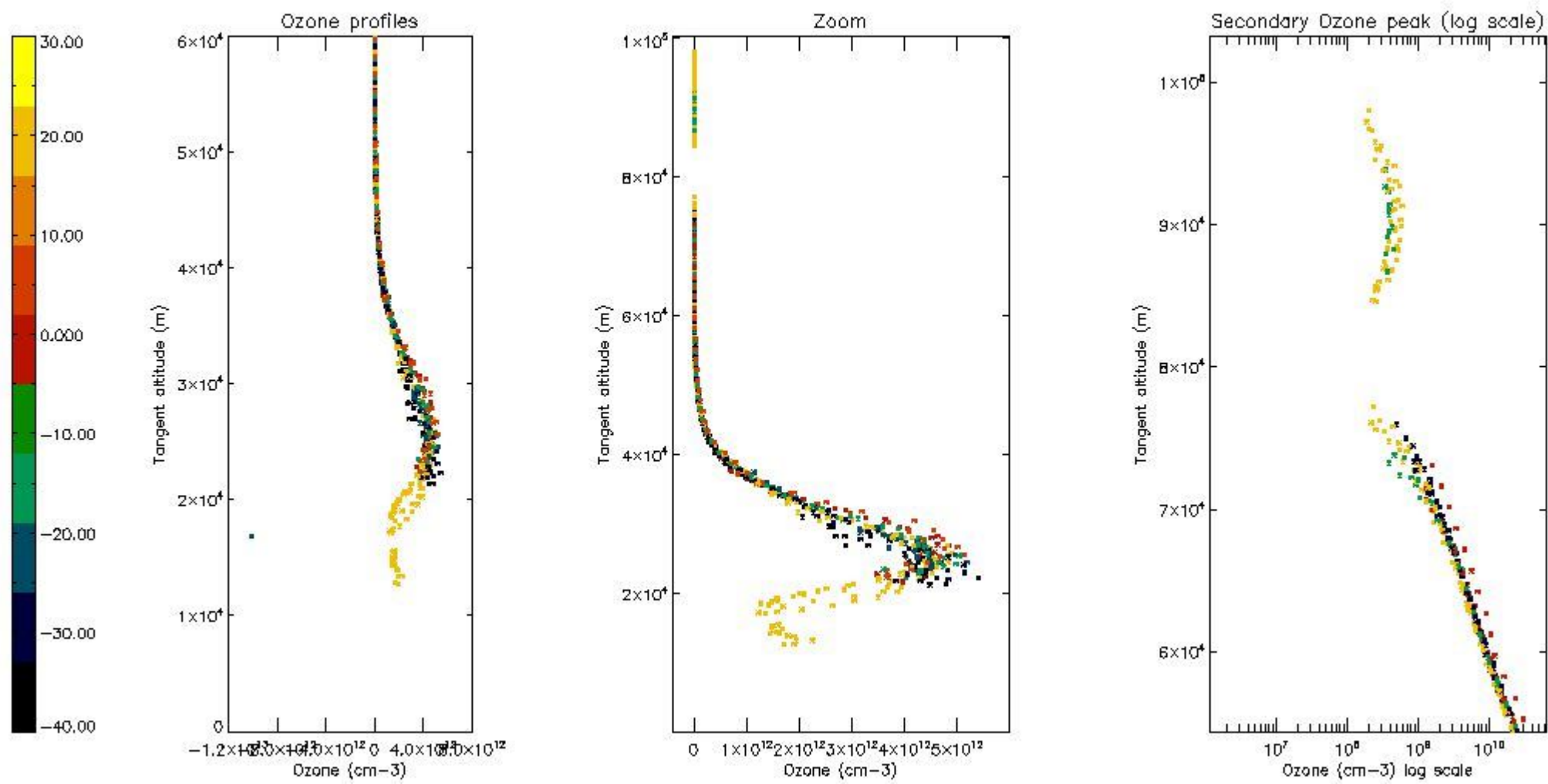
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



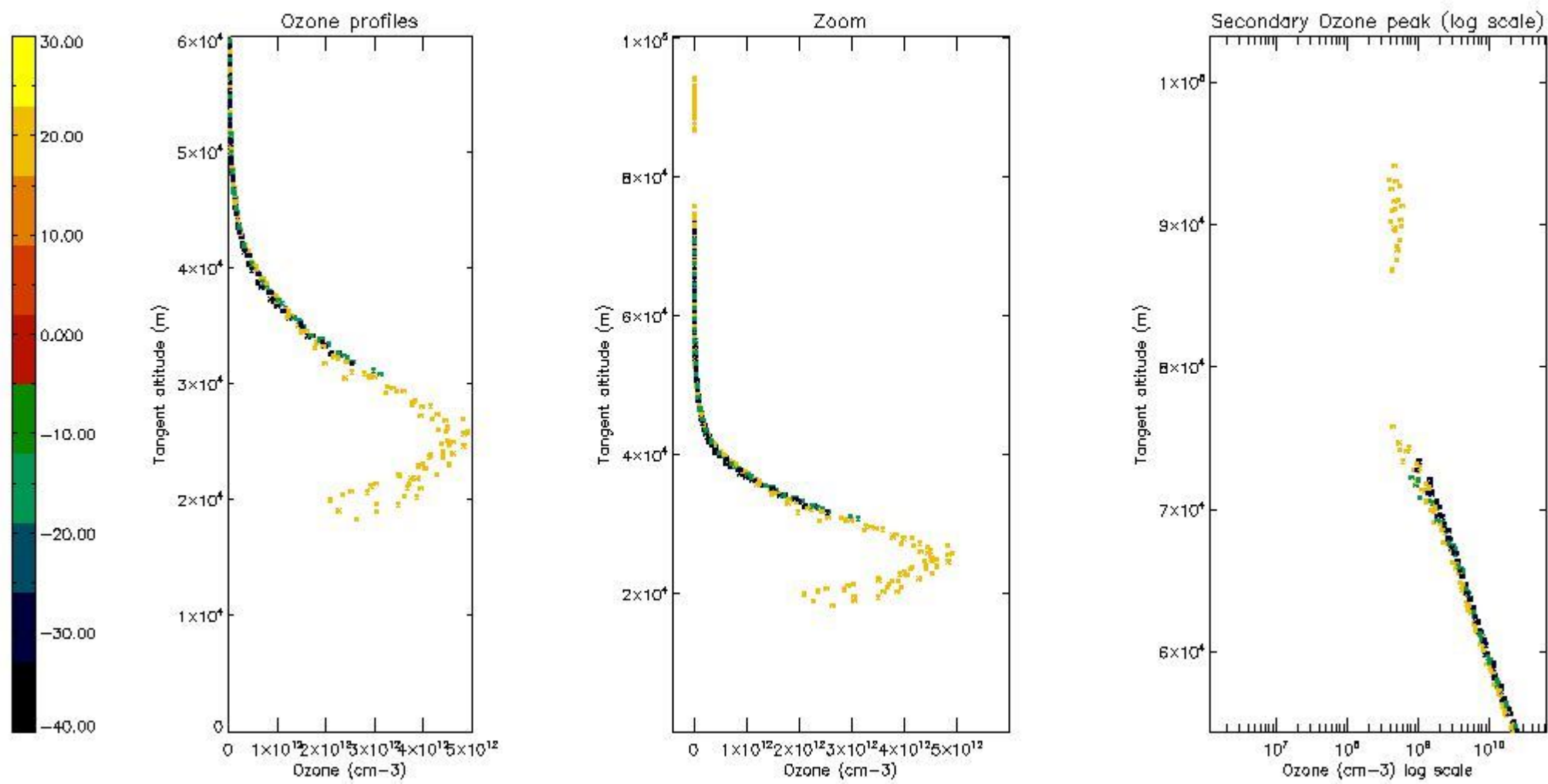
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



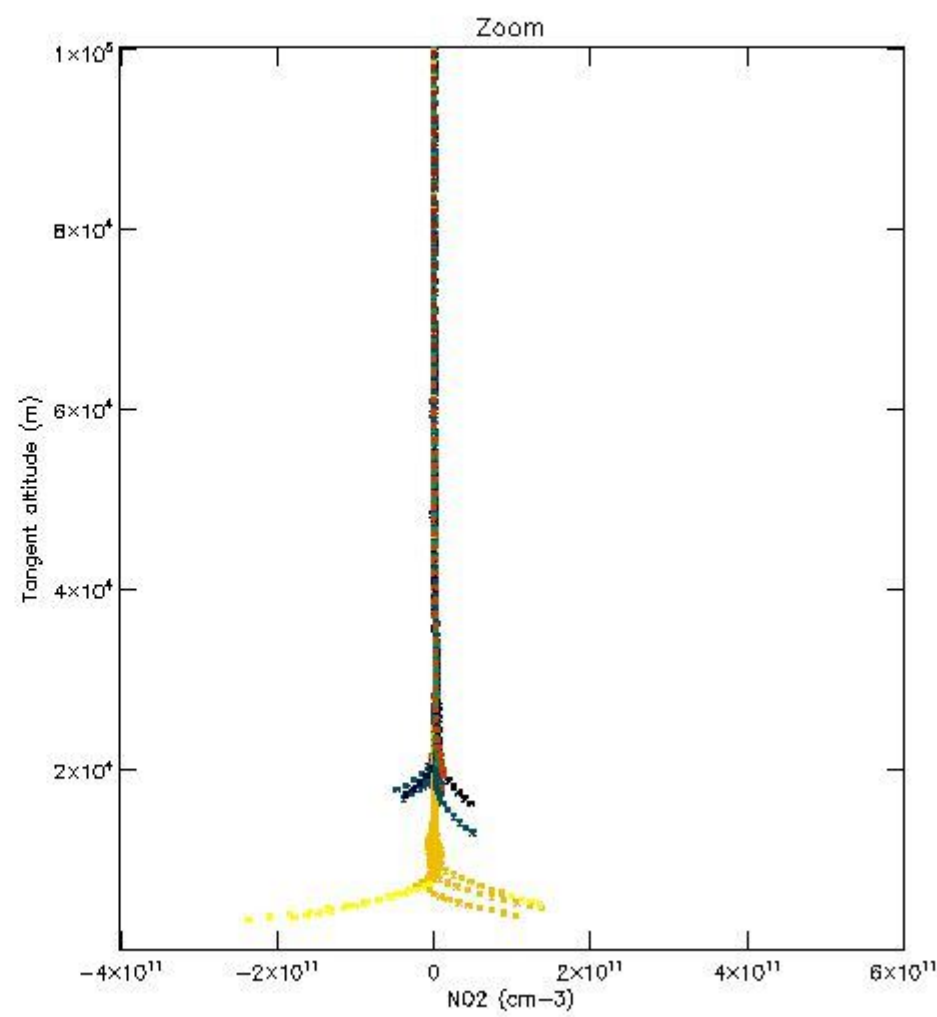
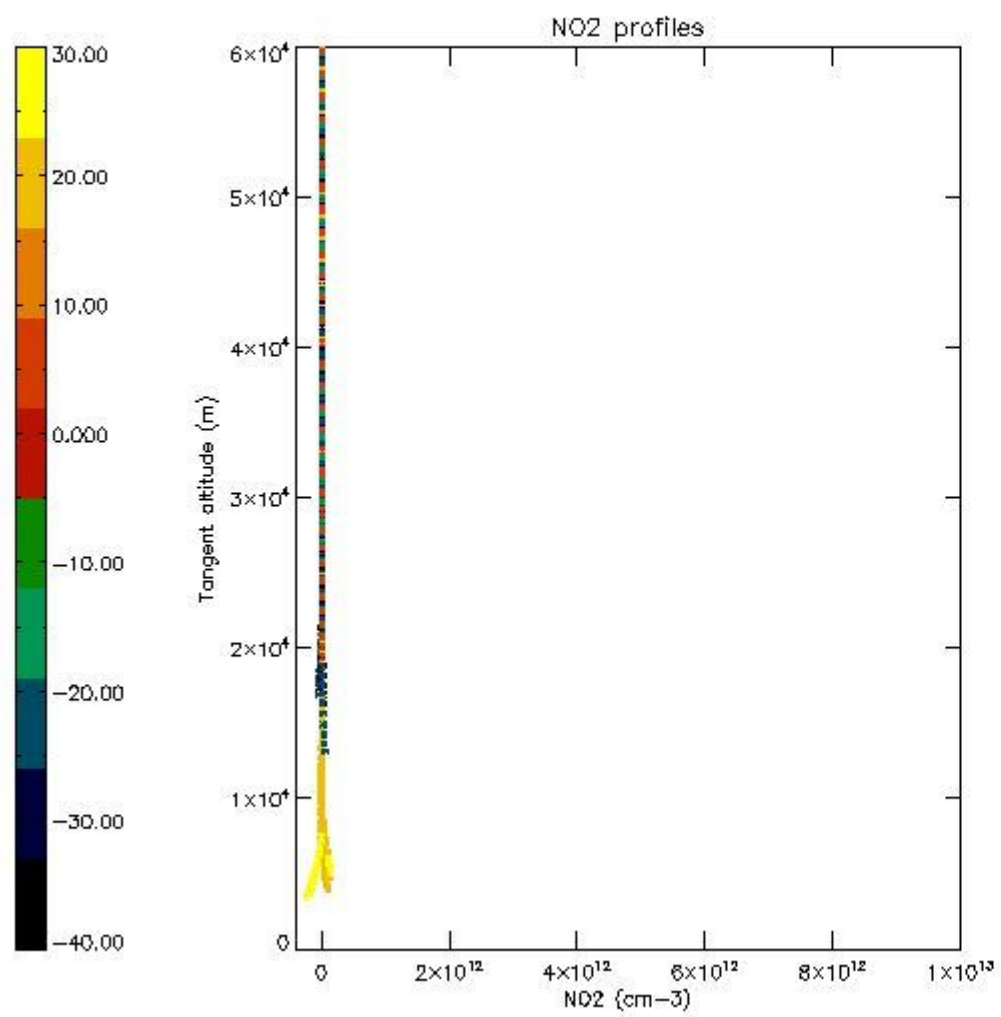
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



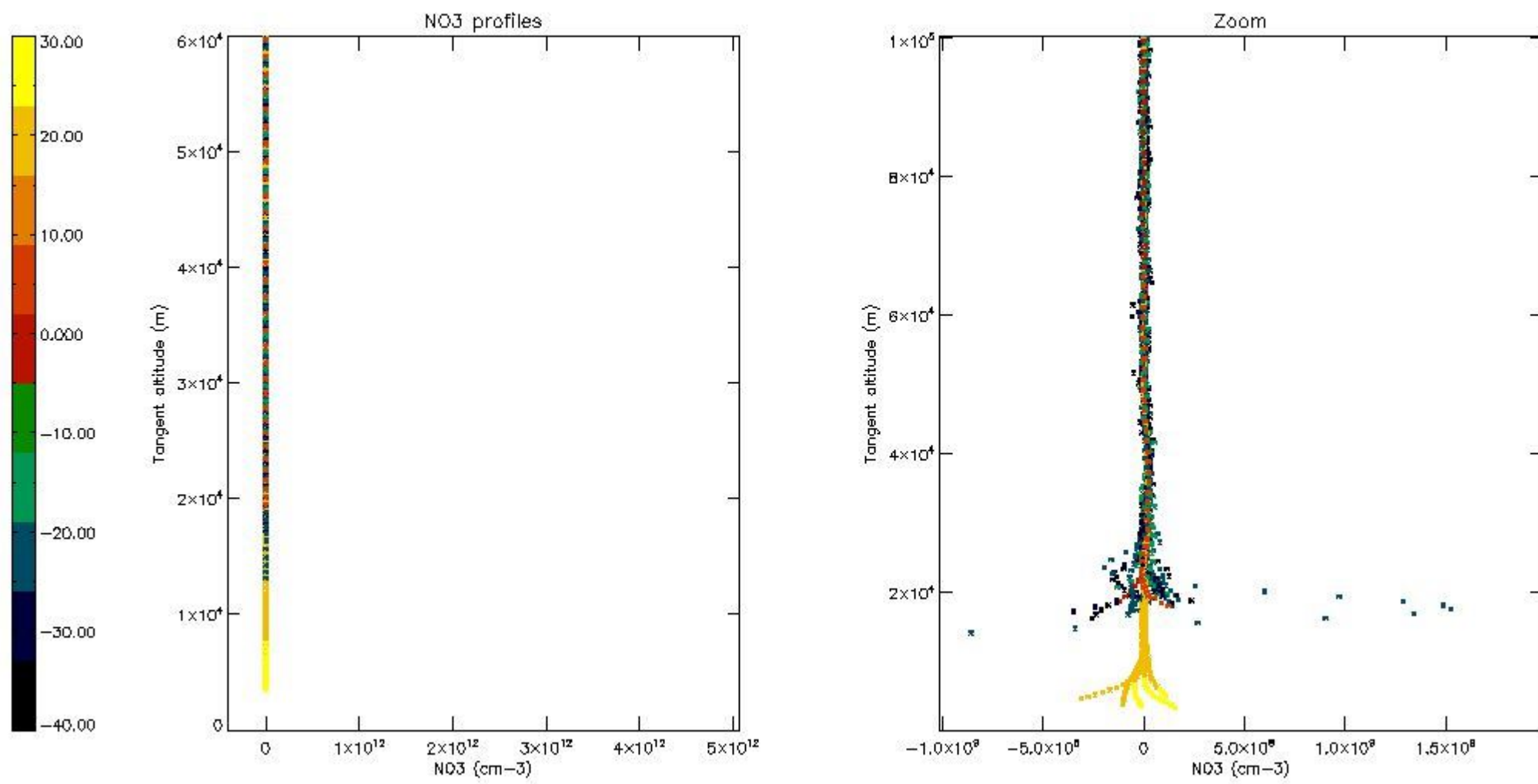
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



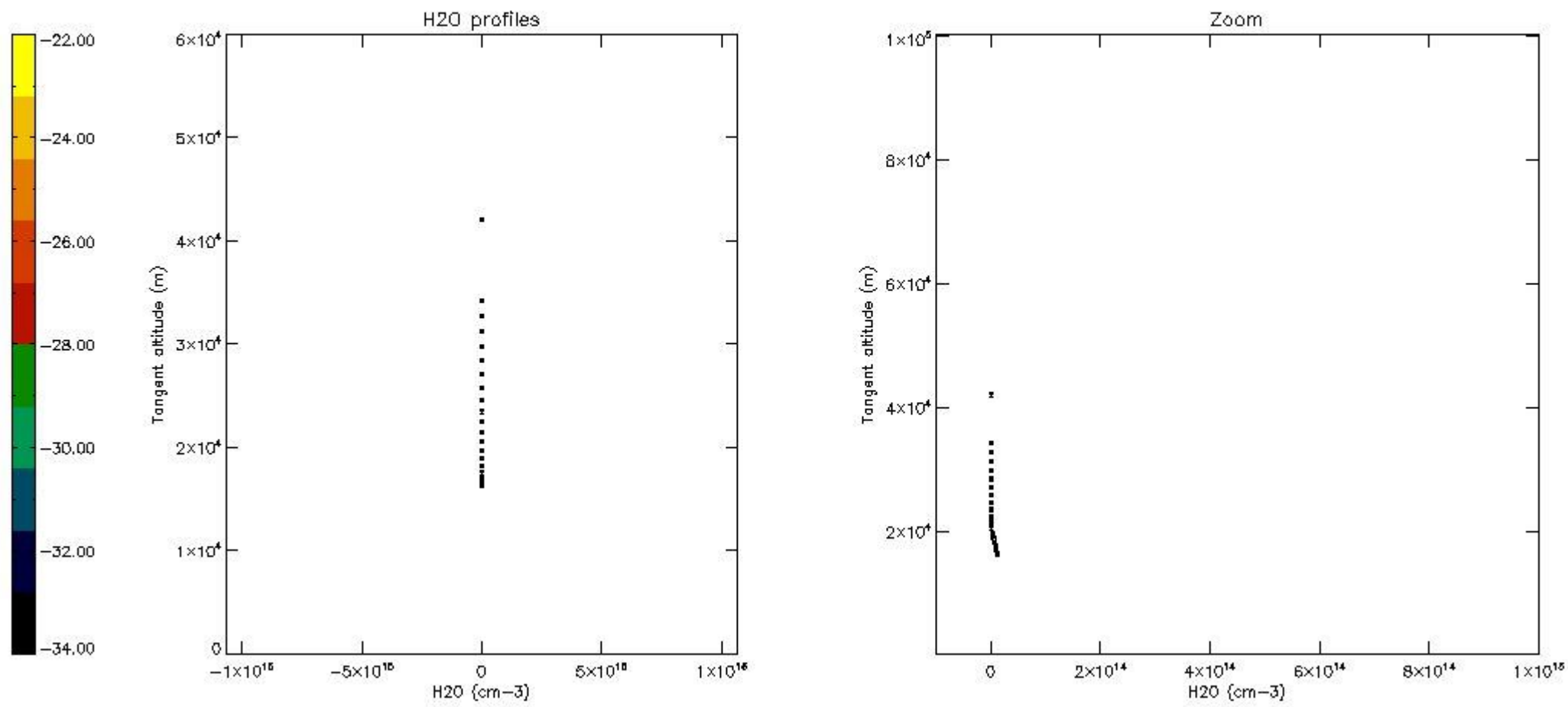
5.7 Plot NO3 profiles for all STD (dark without errors)

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	19-NOV-2006 00:02:56
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-NOV-2006 00:02:56
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-NOV-2006 00:02:56

GOMOS Level 2 Daily Report

SUMMARY

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

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

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

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

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

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

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

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

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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 \(dark without errors\)](#)

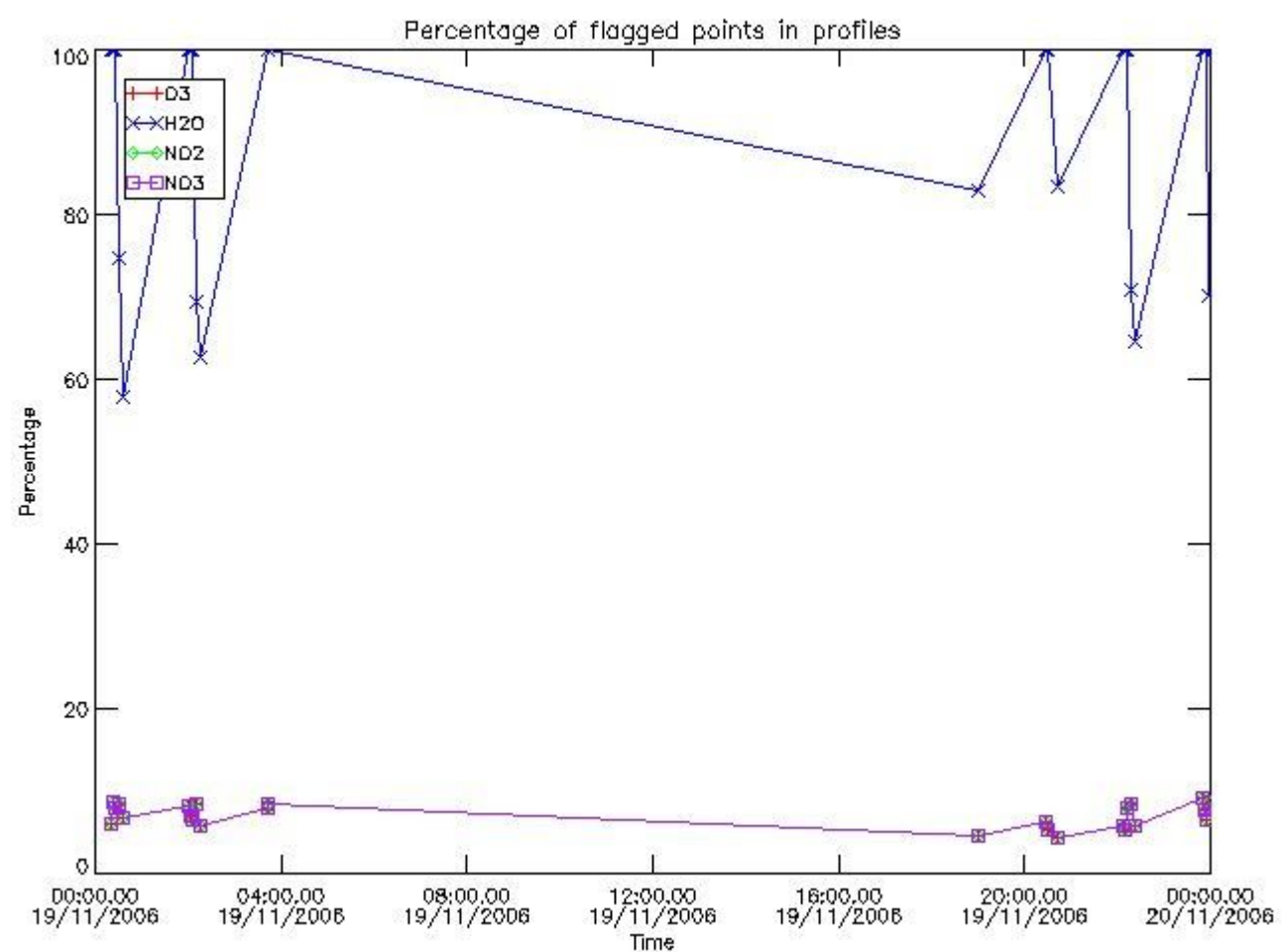
[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

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

3. Quality information per product

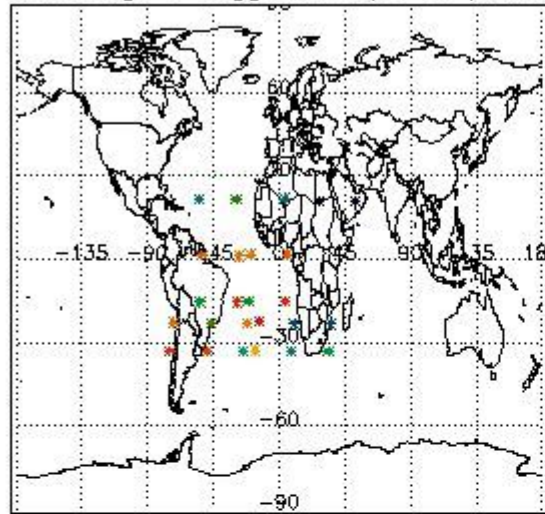
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

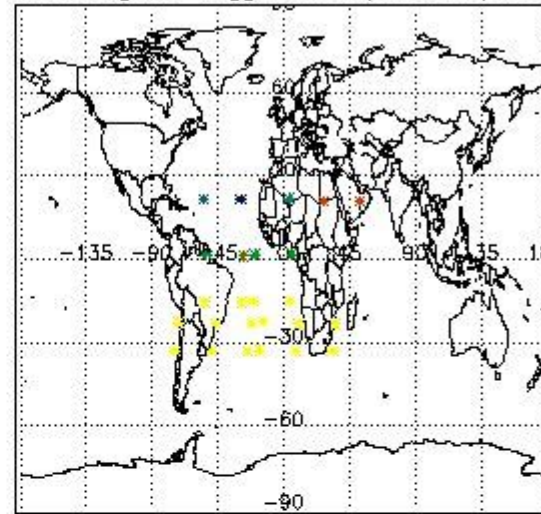


3.2 Plot quality information per product (world map)

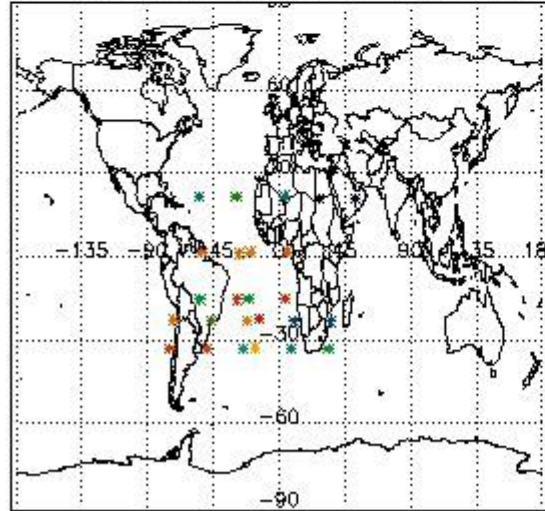
Percentage of flagged data per O3 profile



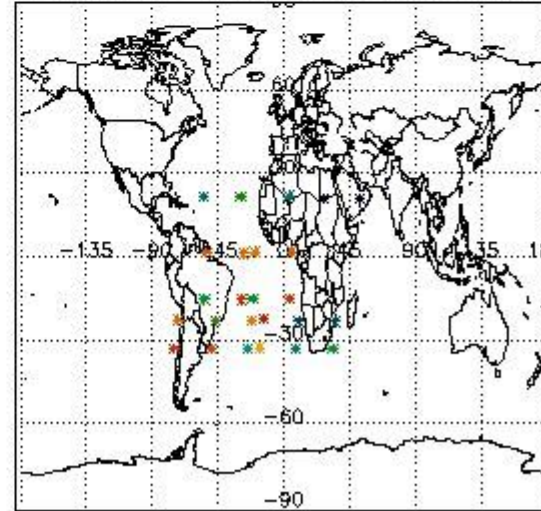
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

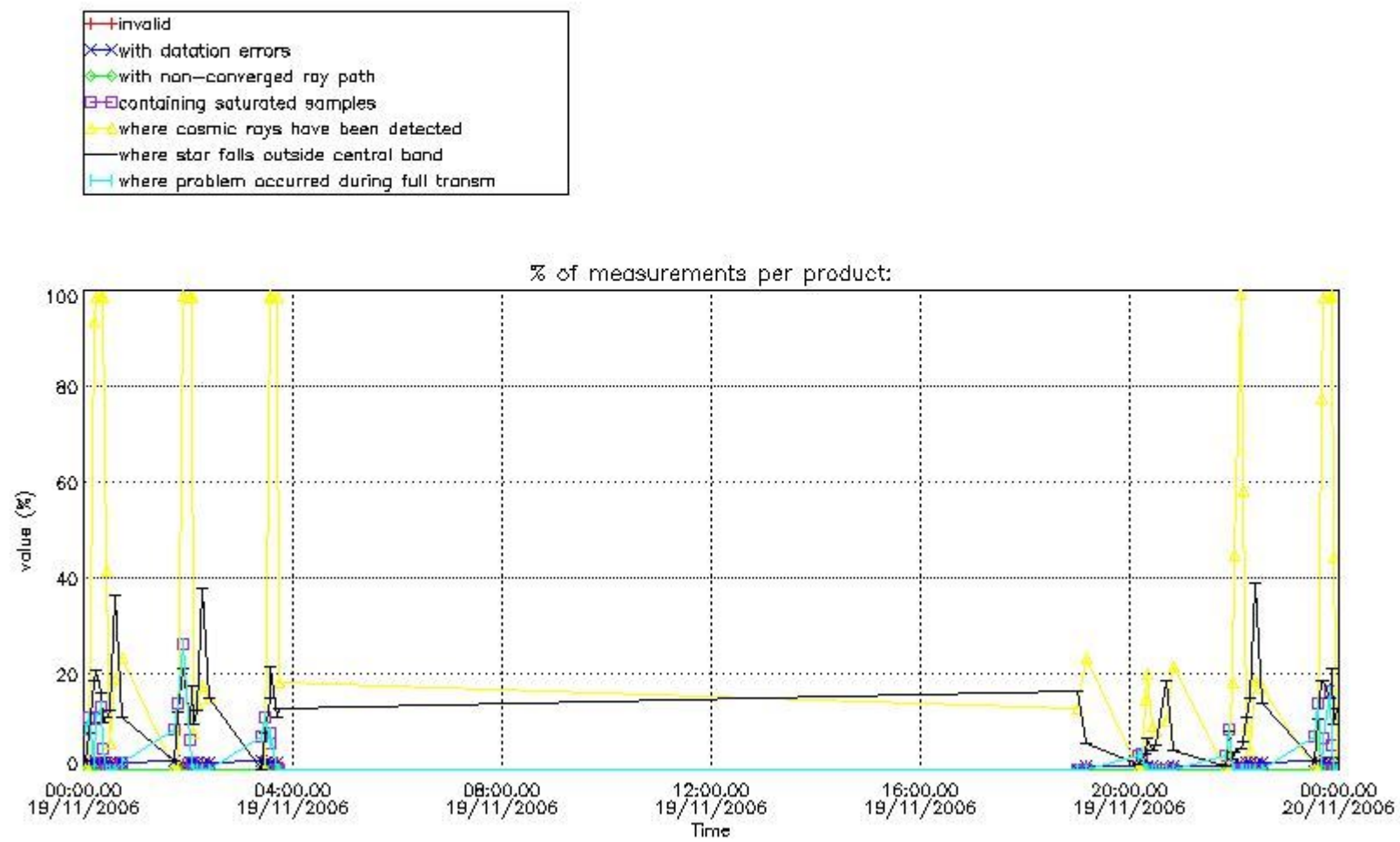


4. Level 1 quality information per product

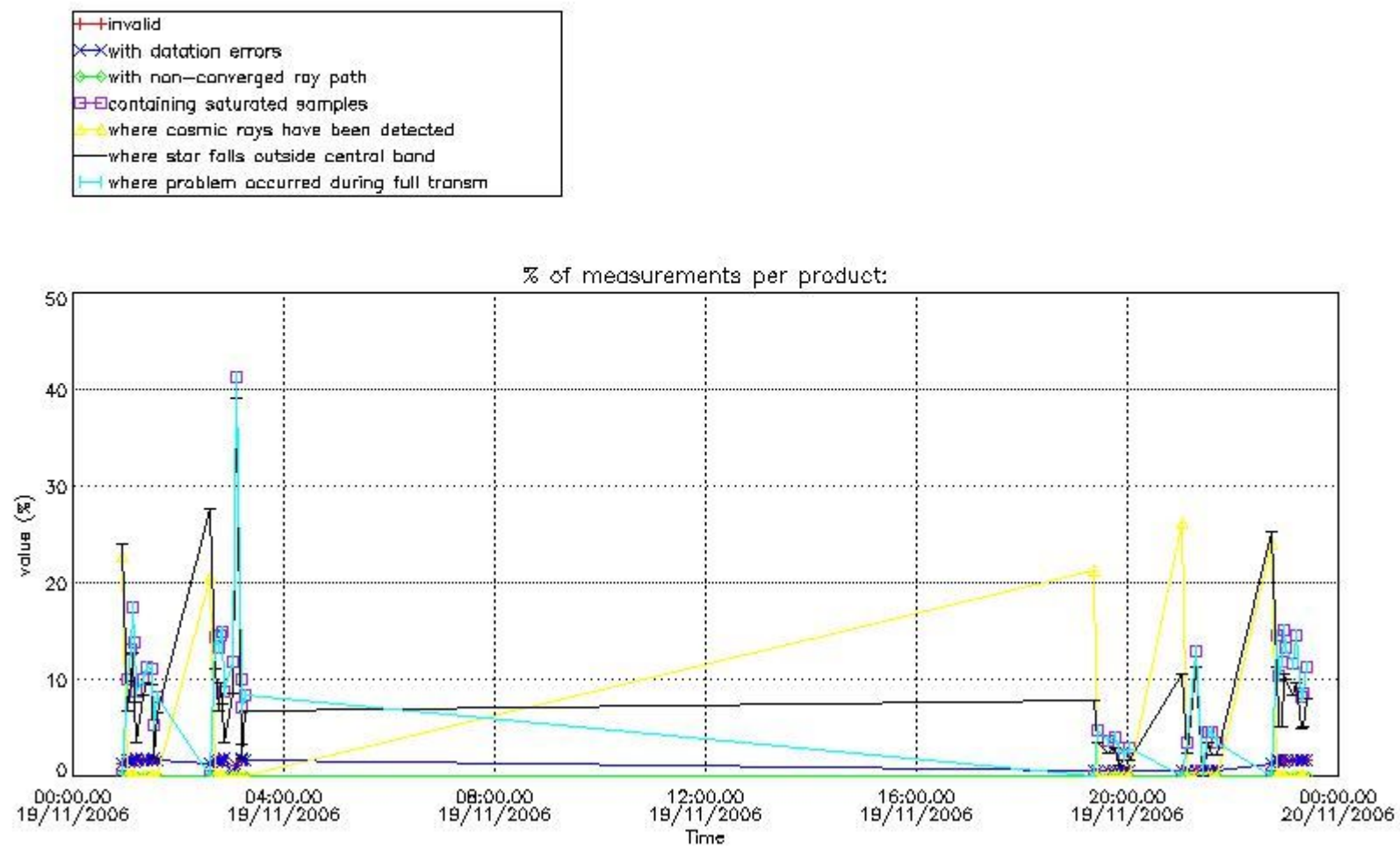
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



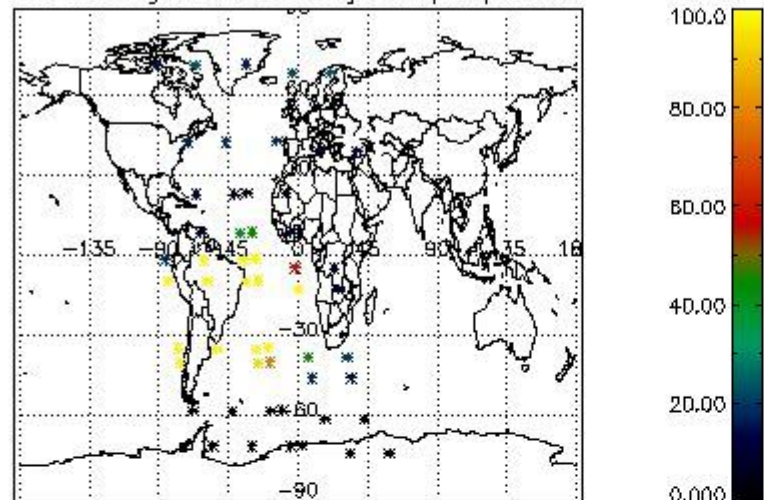
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



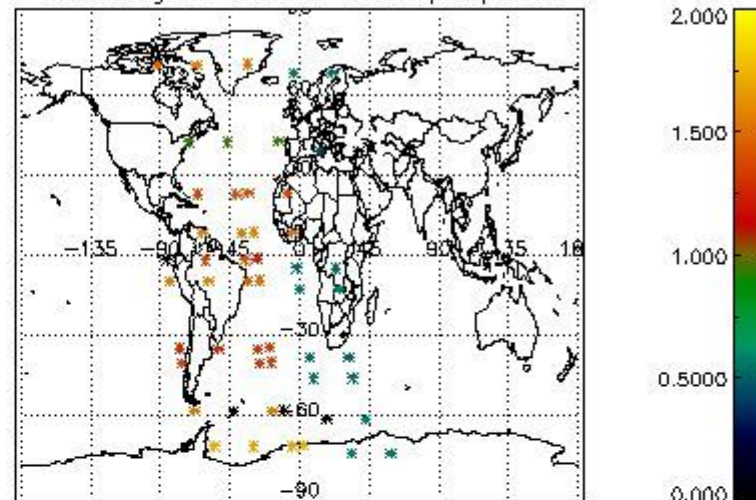
4.2 Plot quality information per product coming from level 1b processing (world map)

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

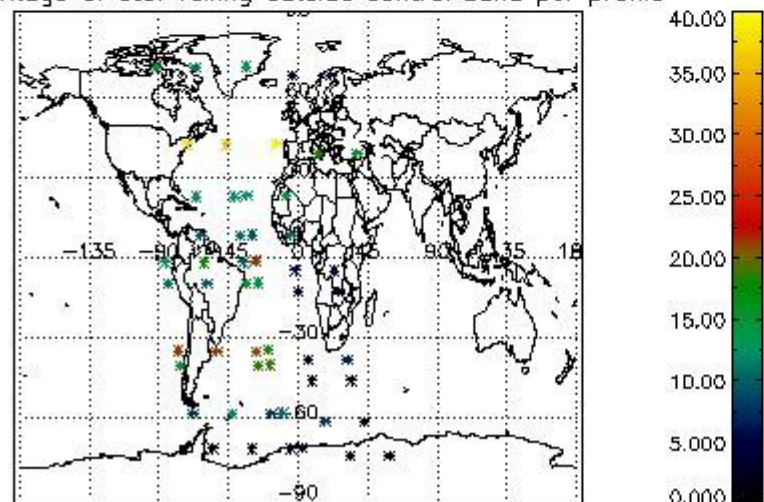
Percentage of cosmic ray hits per profile



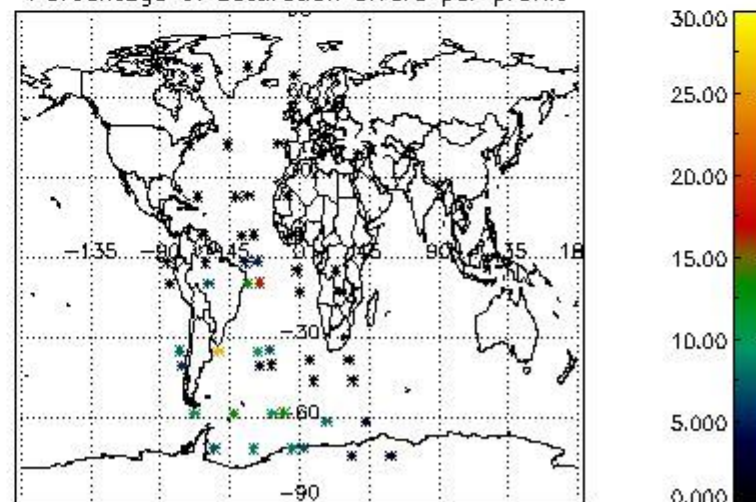
Percentage of datation errors per profile



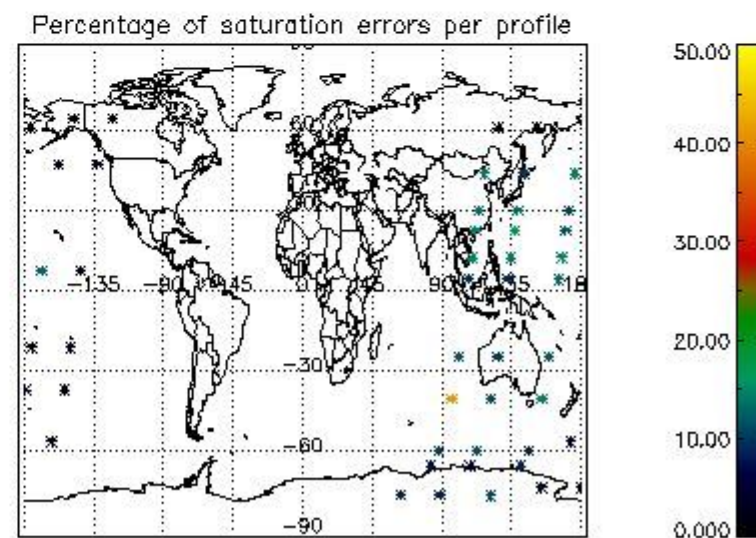
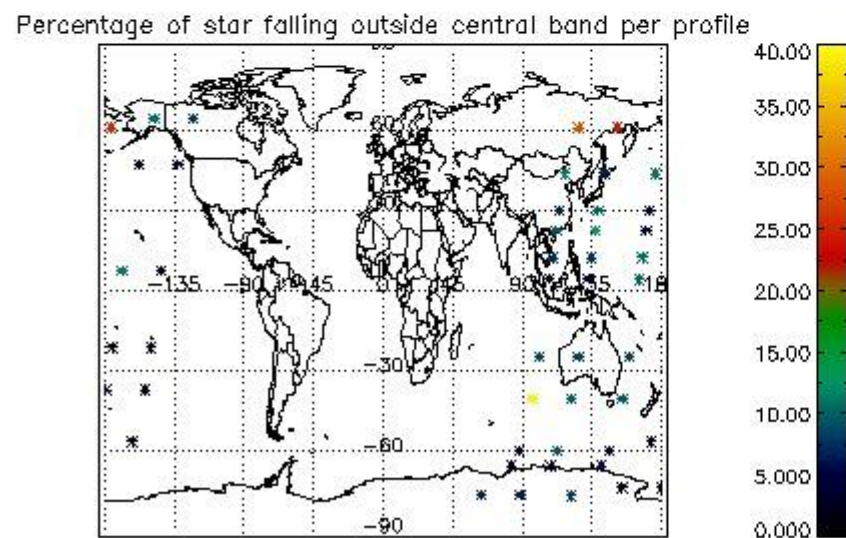
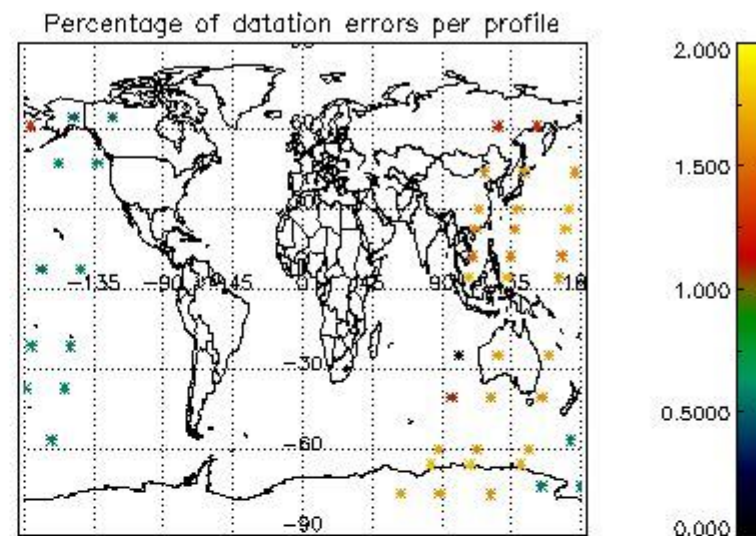
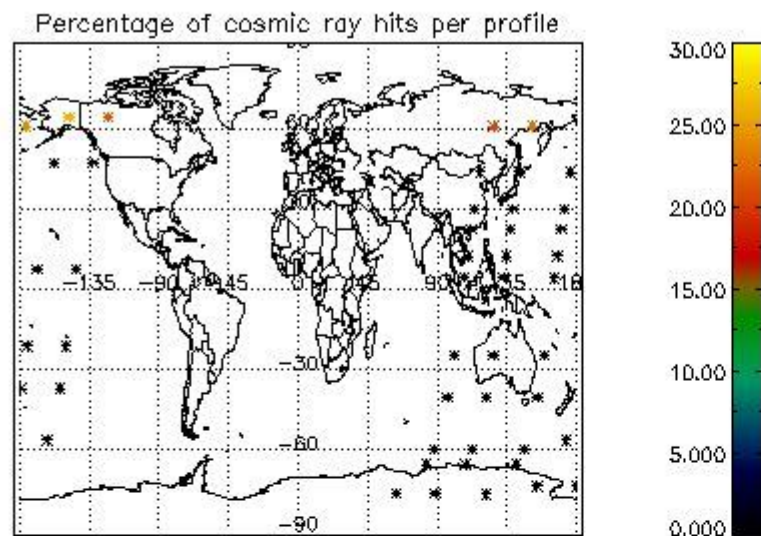
Percentage of star falling outside central band per profile



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

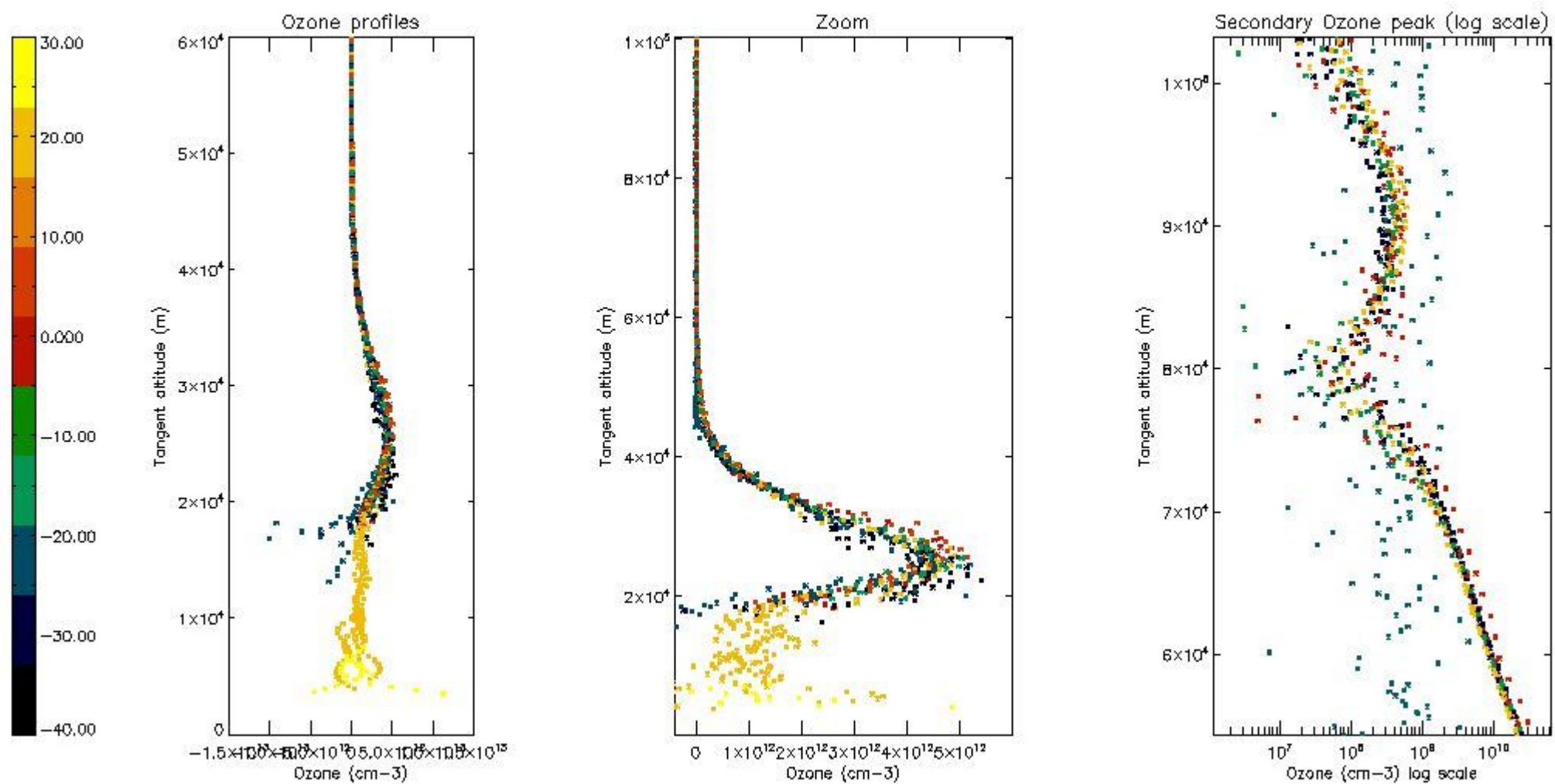
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	11

STD < 10	9
STD < 5	5

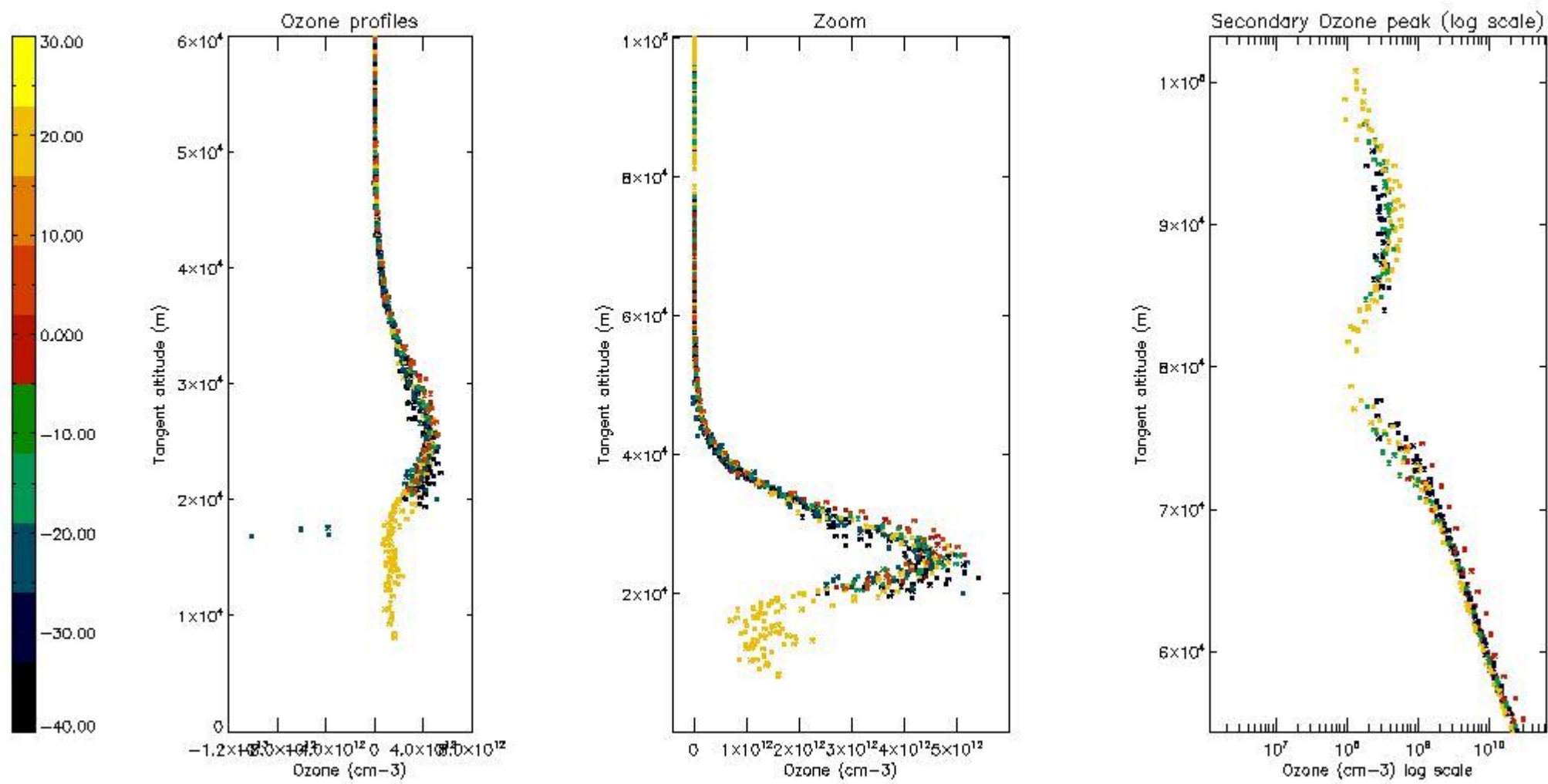
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



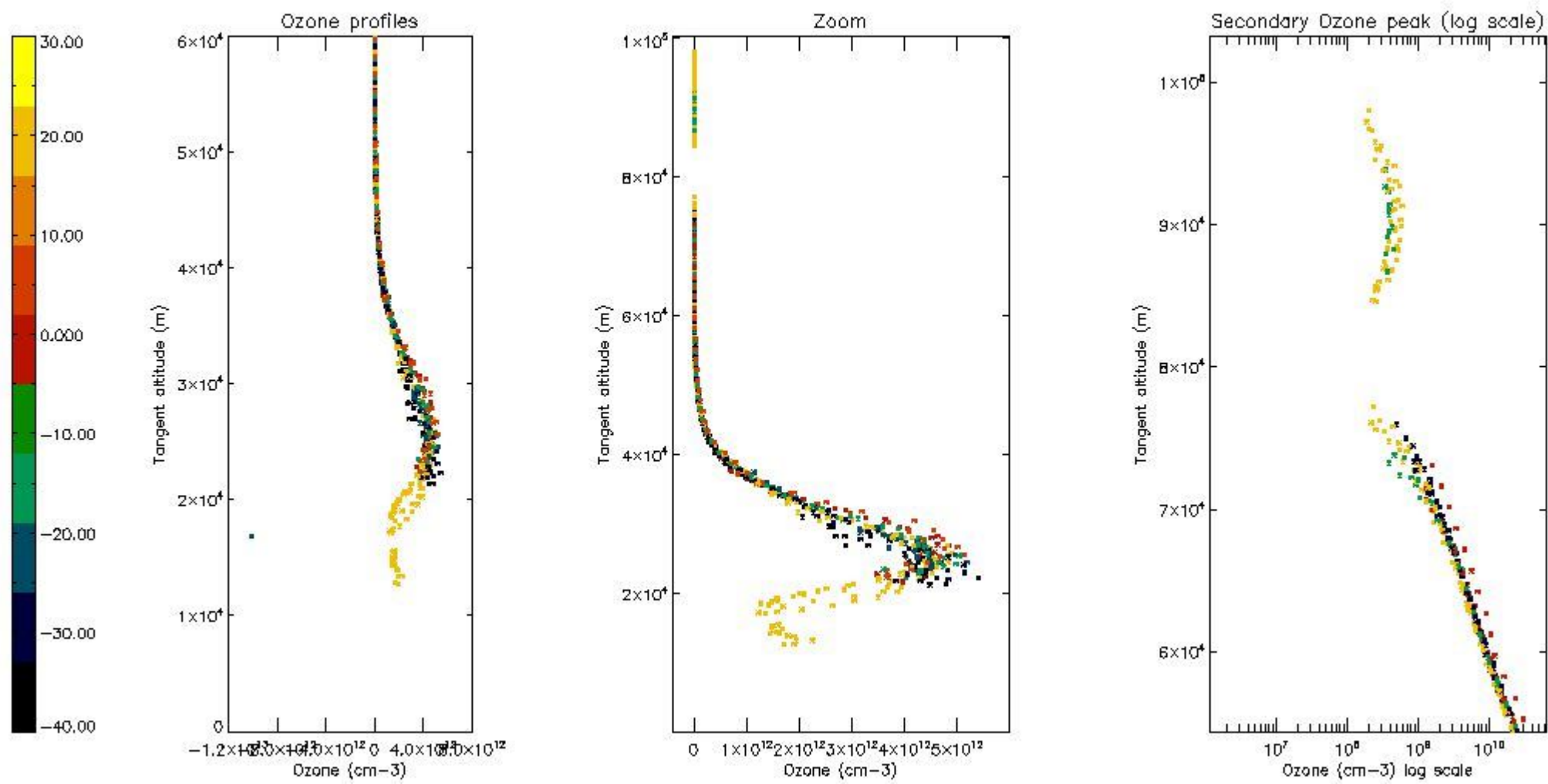
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



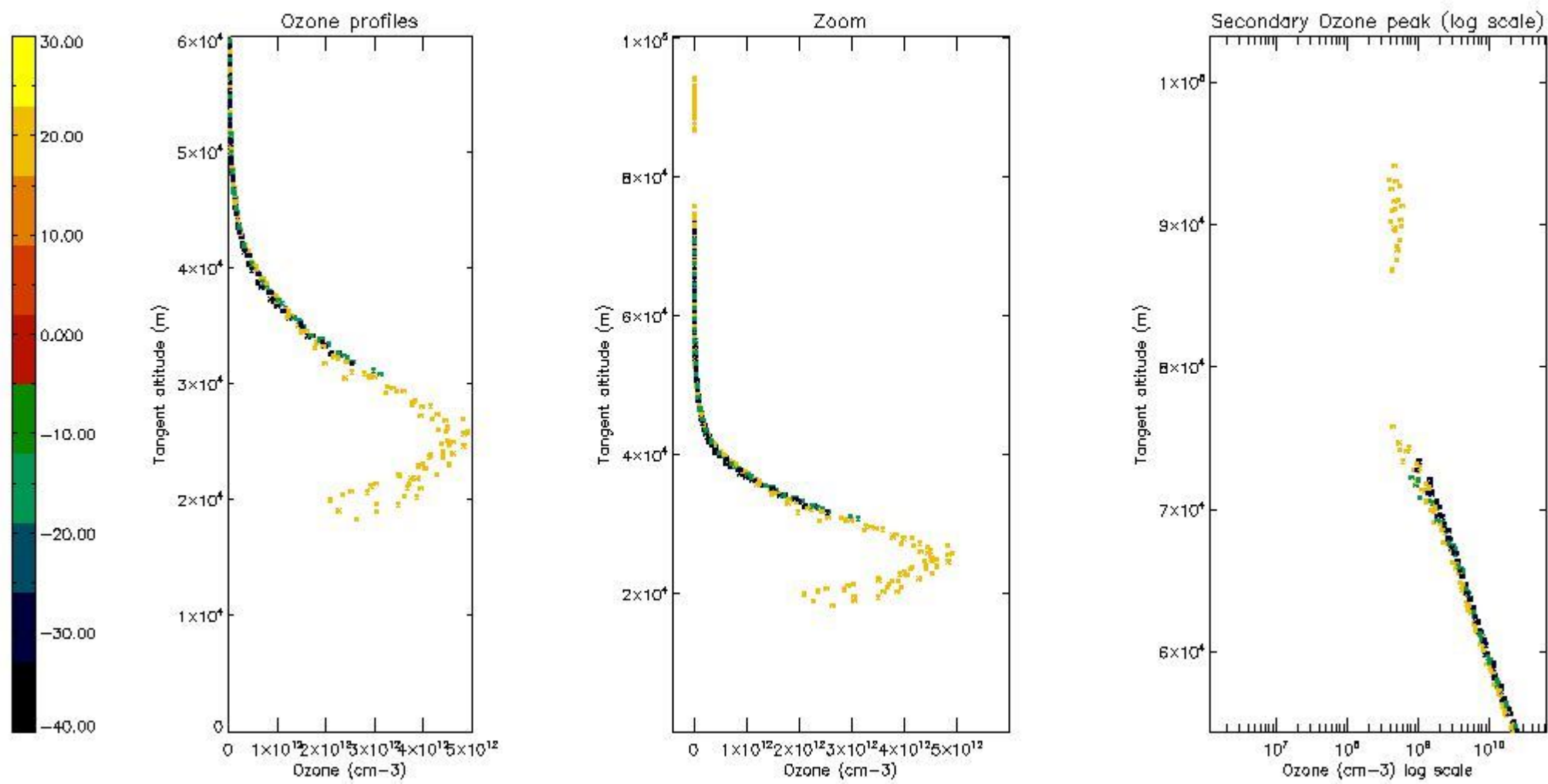
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



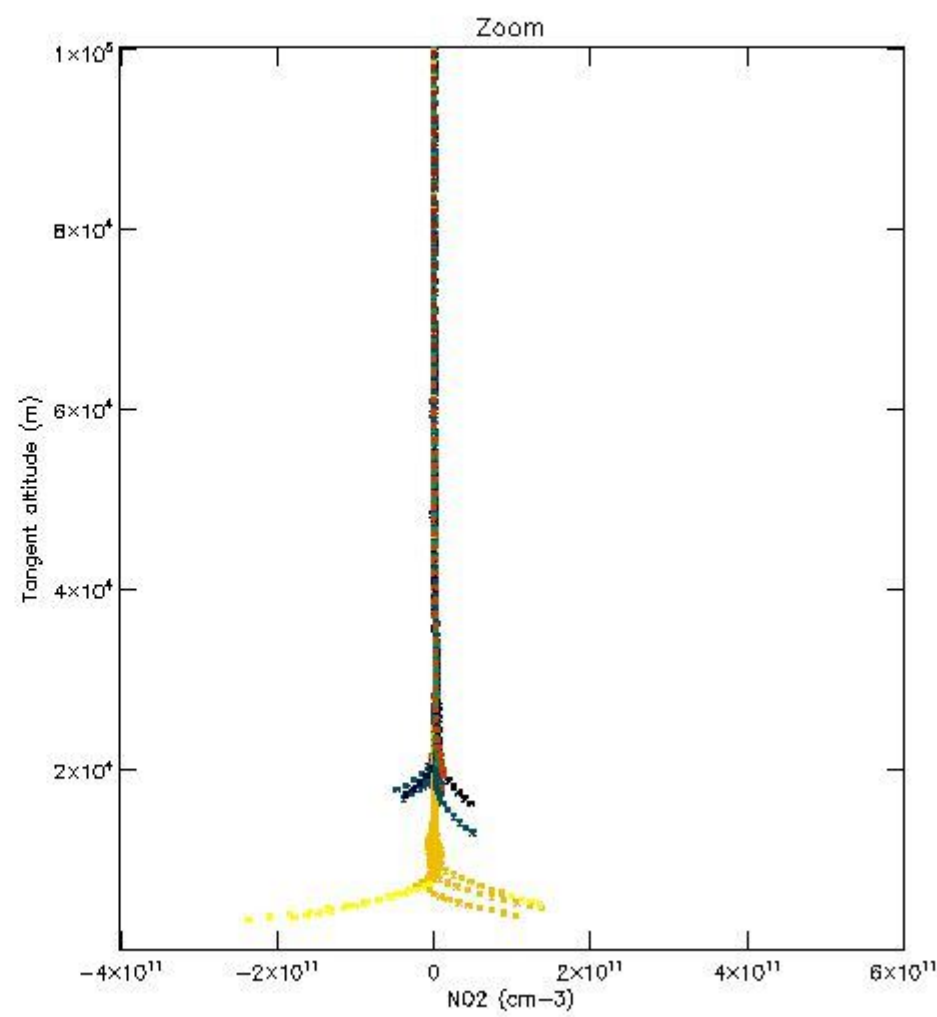
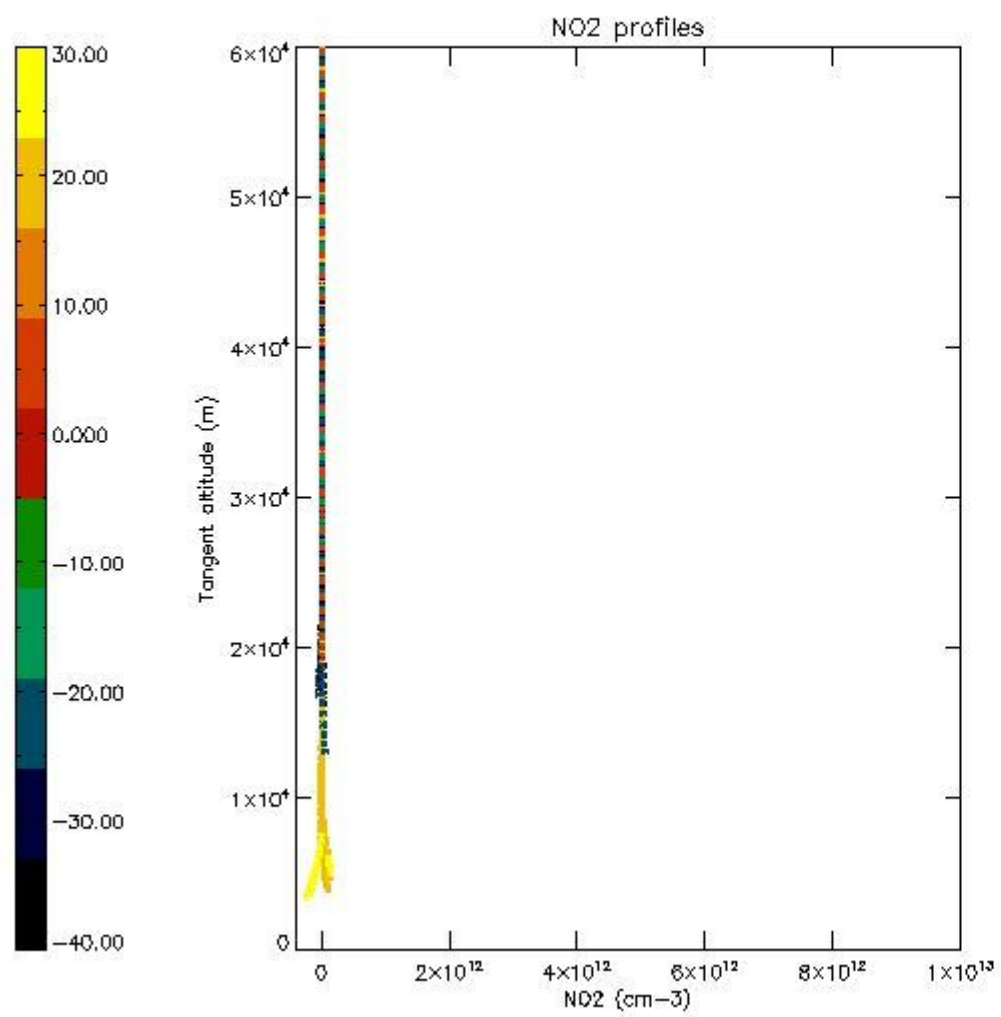
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



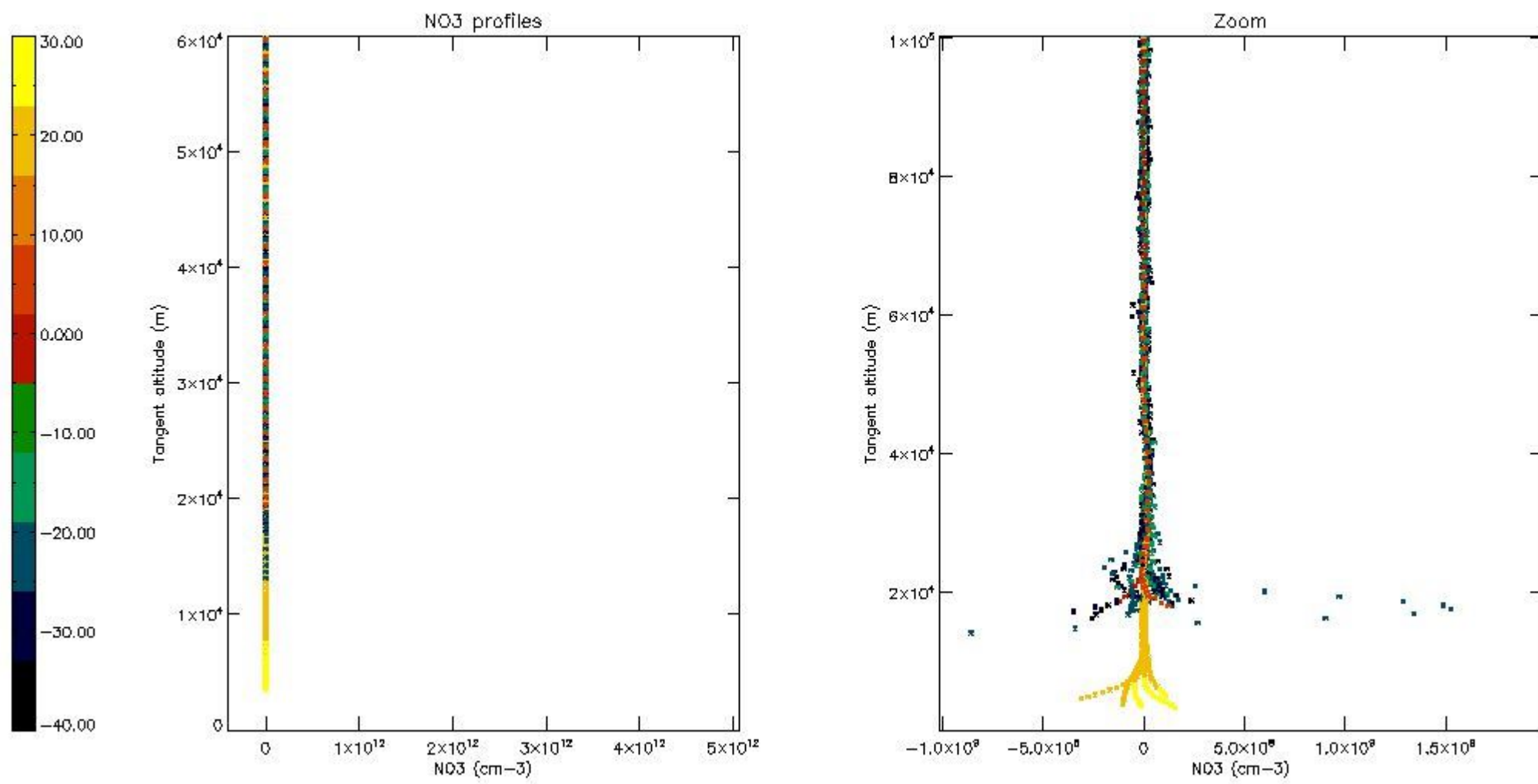
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



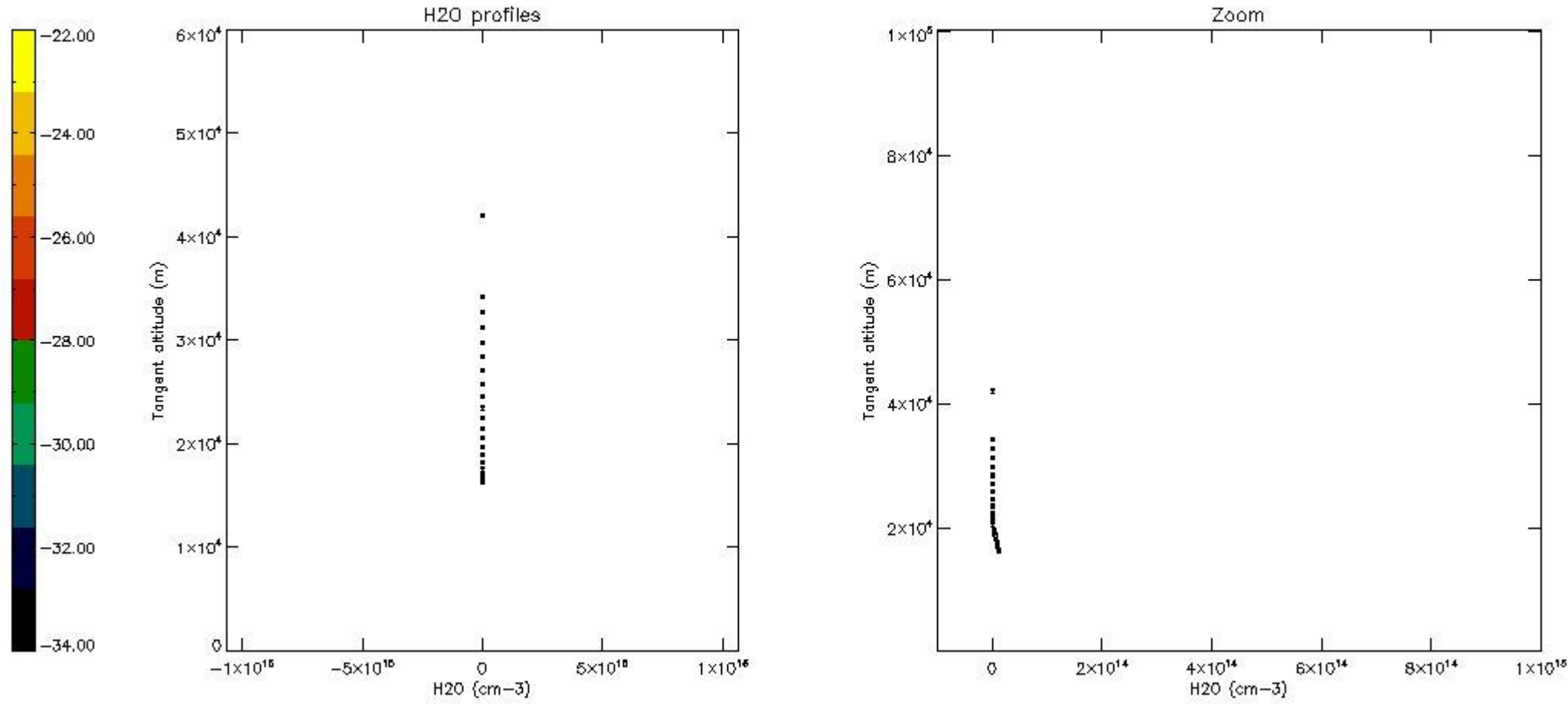
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

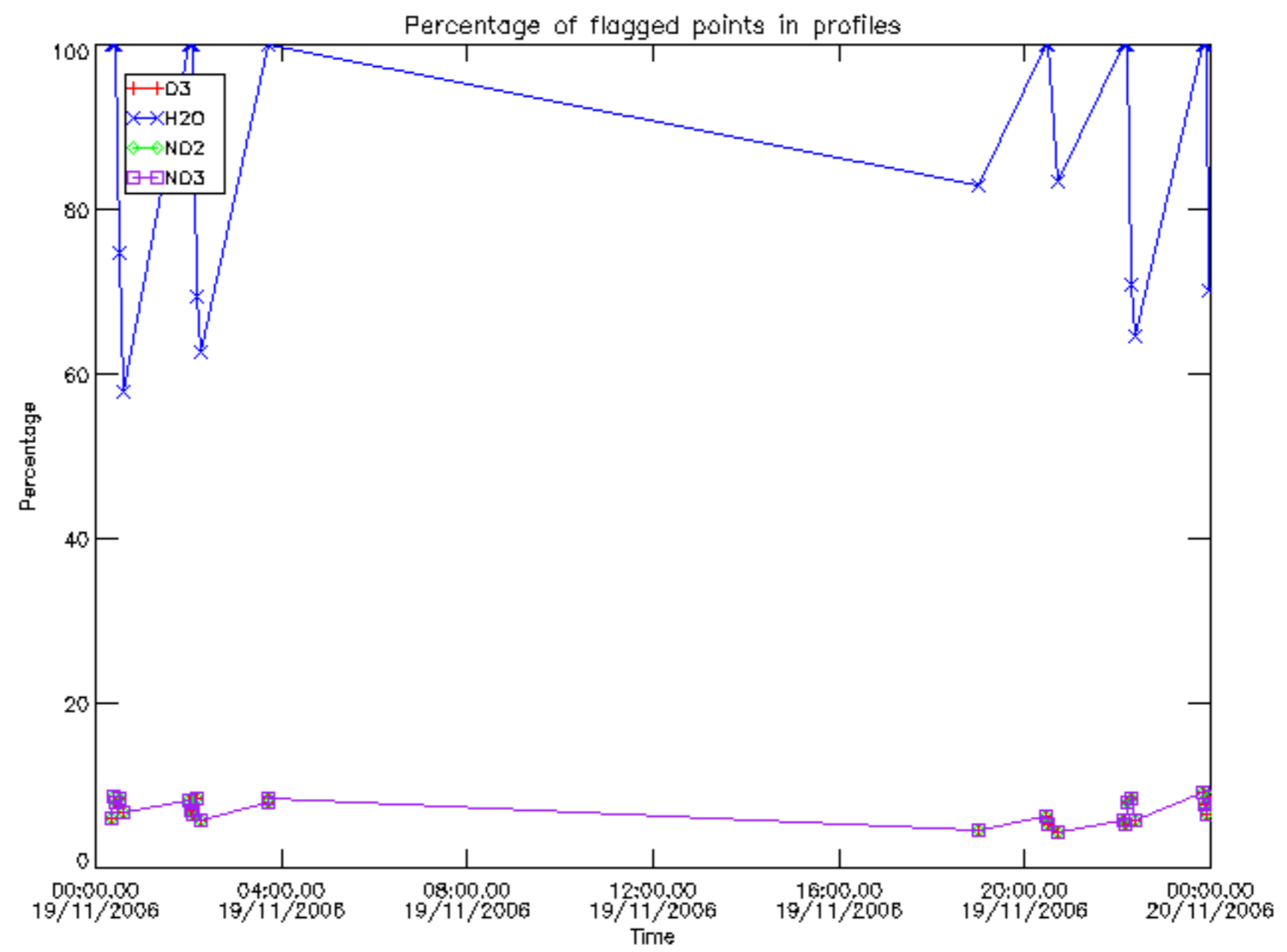
The colorbar represents the latitude.



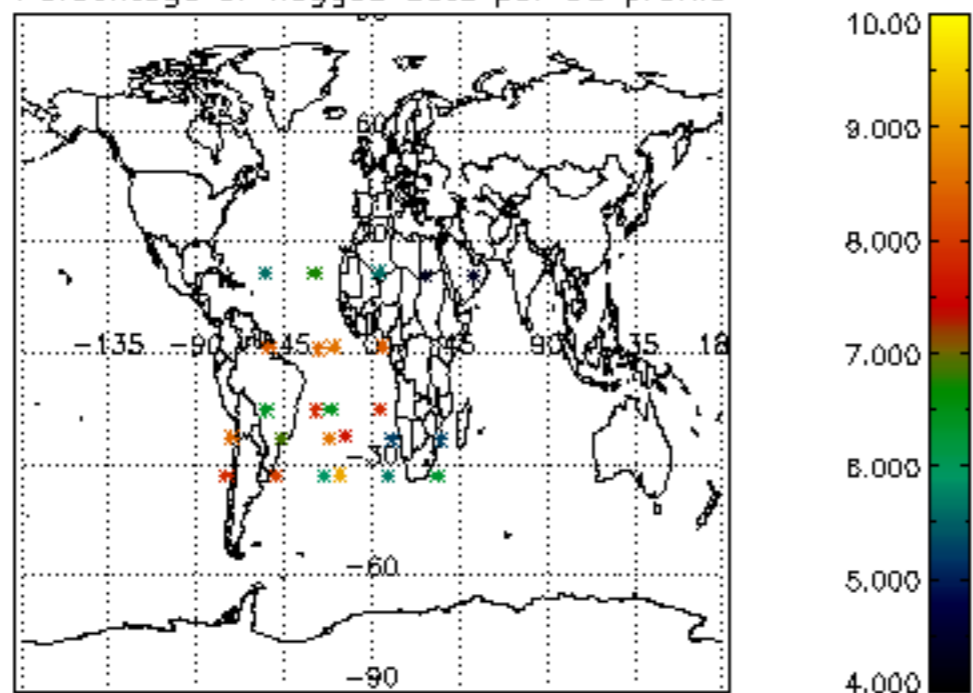
6. Auxiliary Data Files used for the production reported in section 2

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.

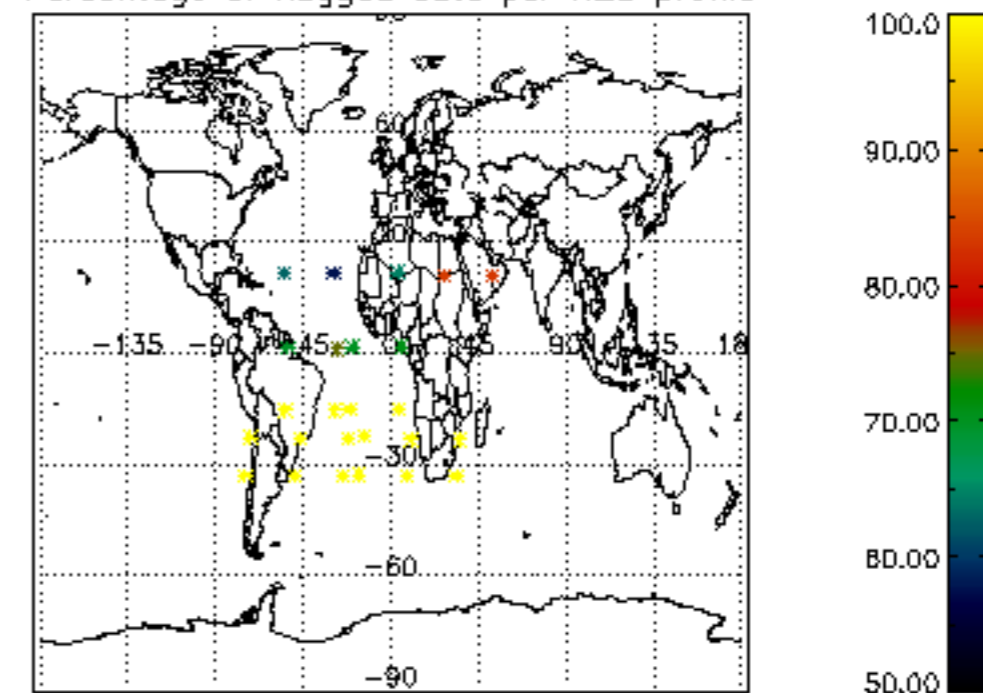
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-NOV-2006 00:02:56
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-NOV-2006 00:02:56
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-NOV-2006 00:02:56



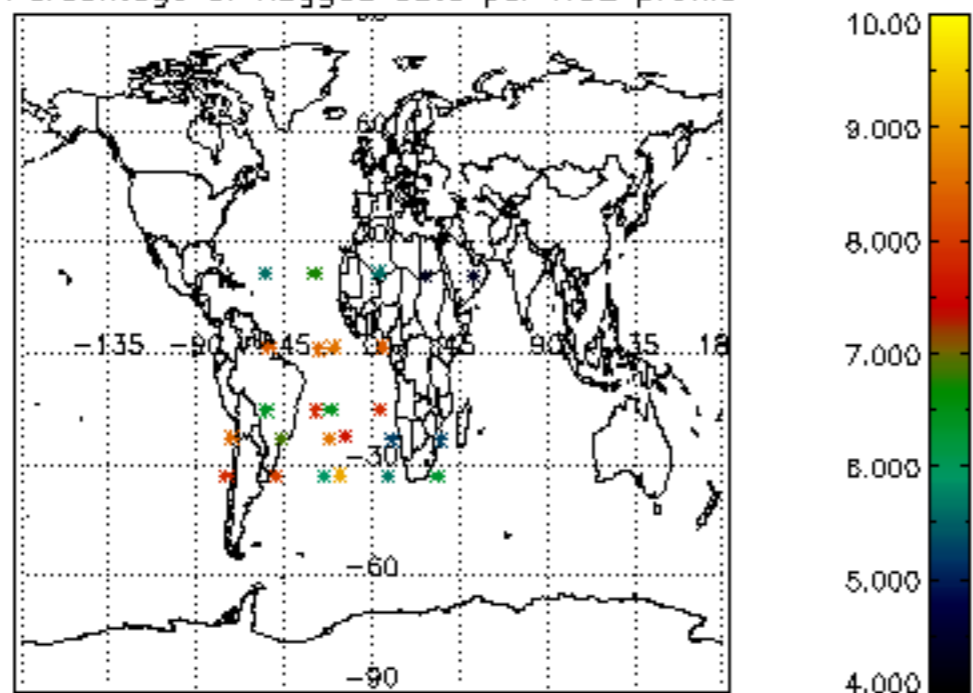
Percentage of flagged data per D3 profile



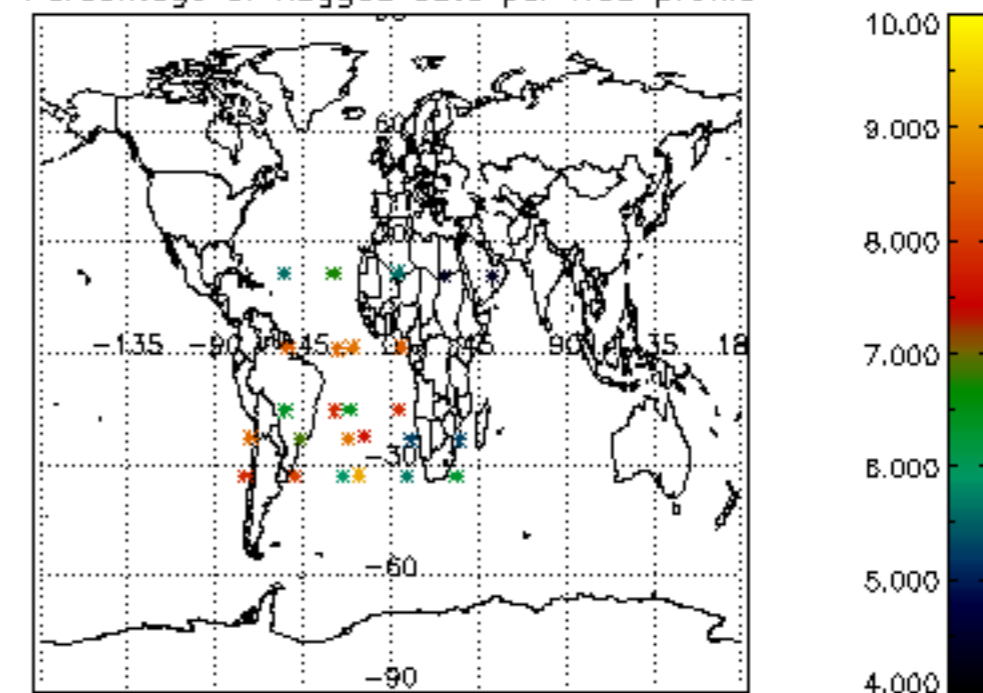
Percentage of flagged data per H2O profile

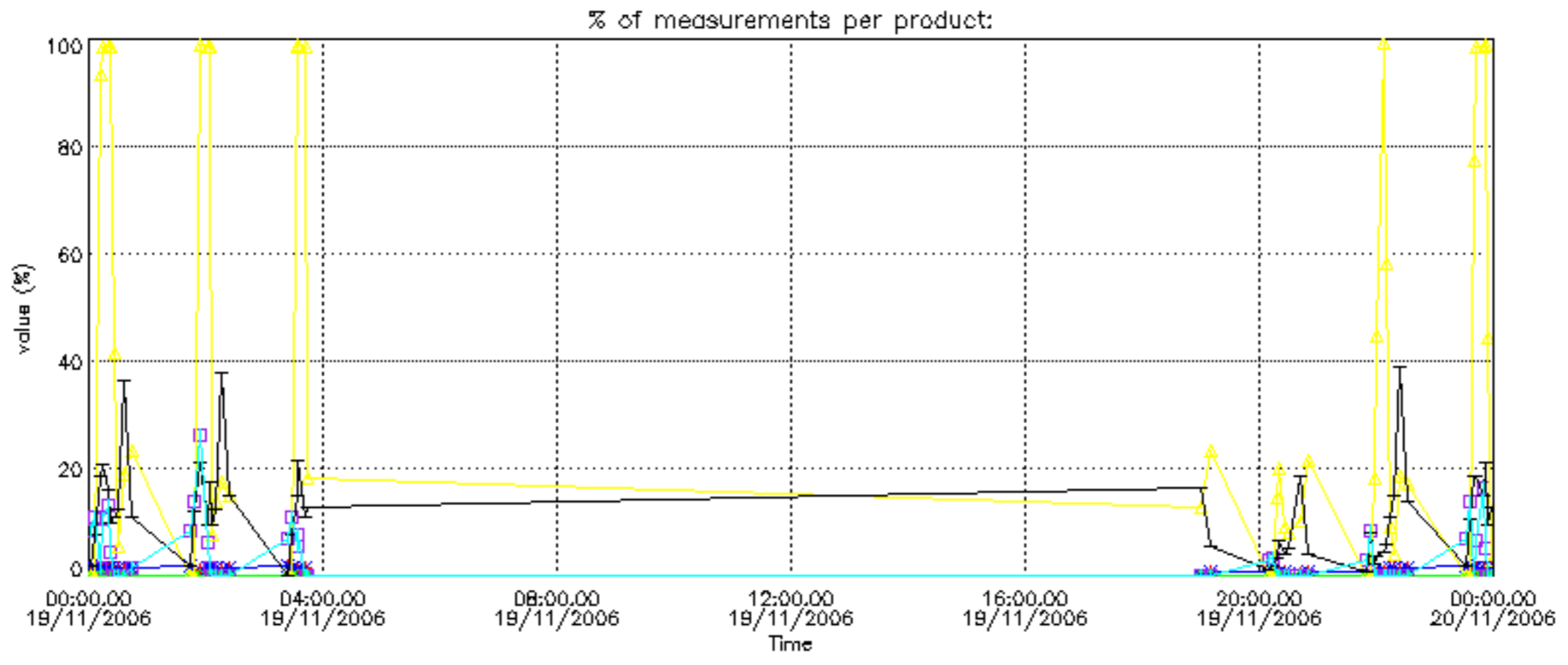


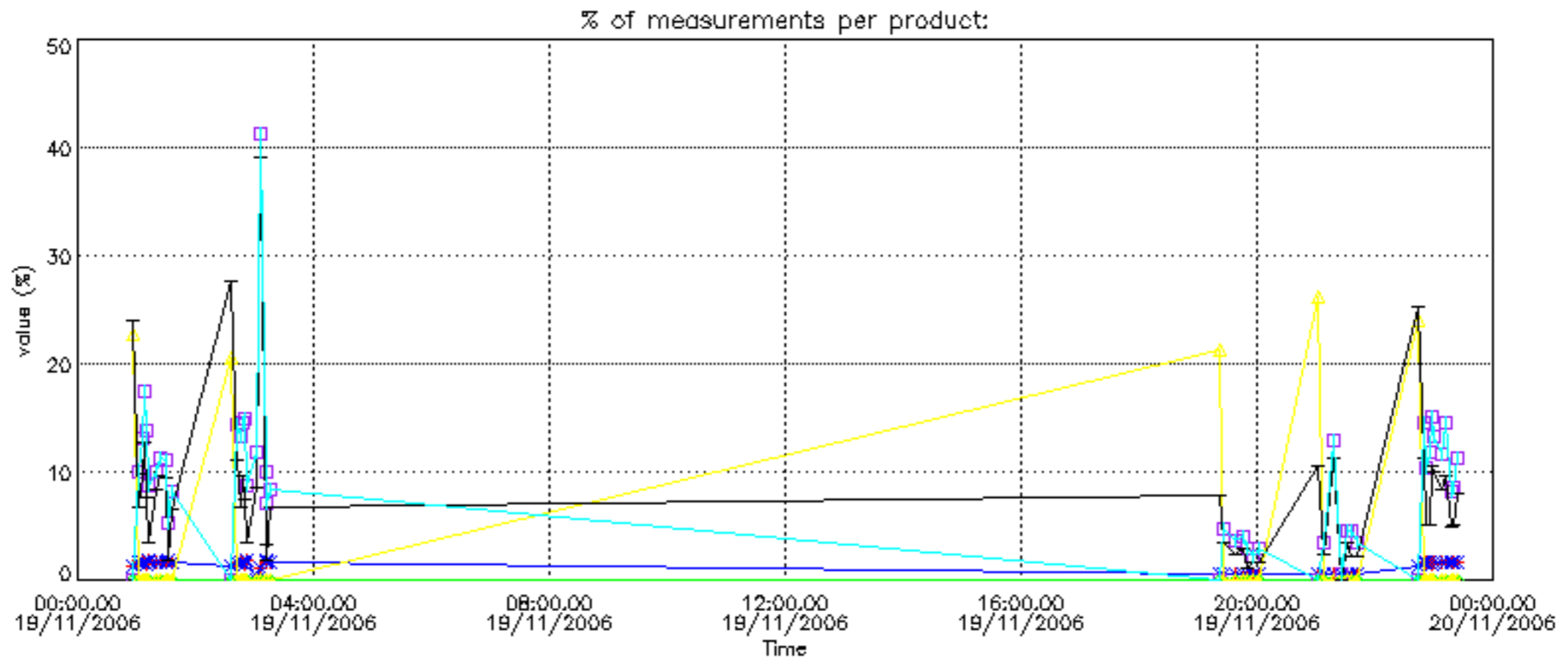
Percentage of flagged data per NO2 profile



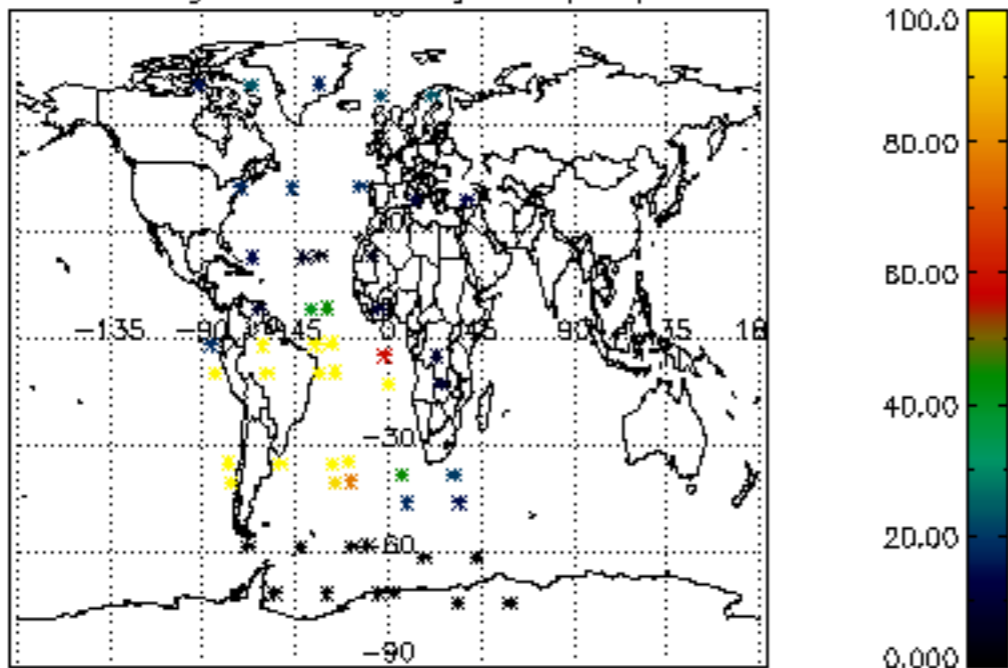
Percentage of flagged data per NO3 profile



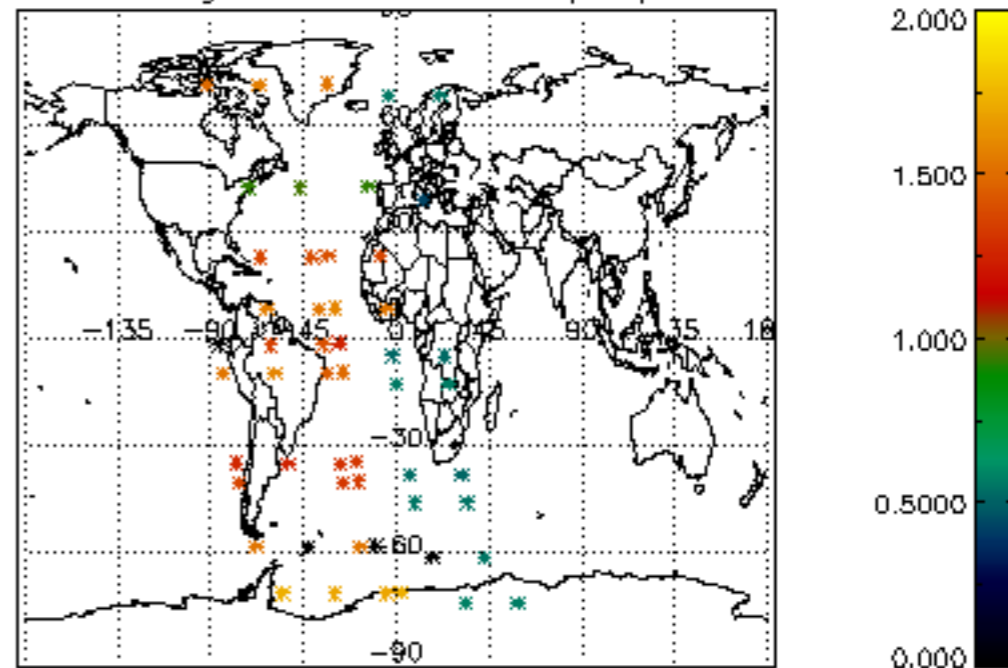




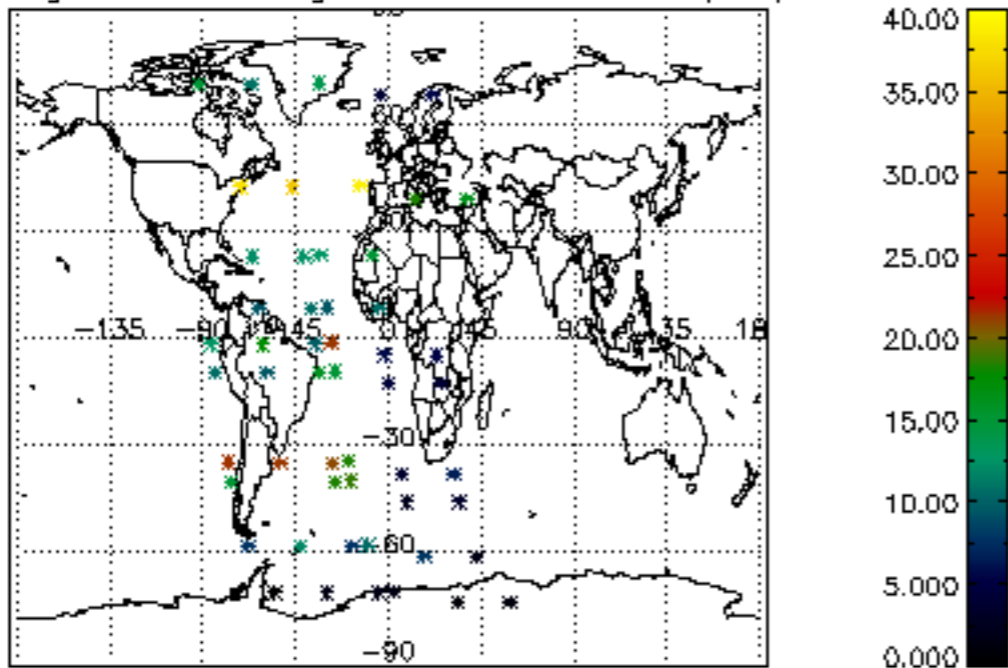
Percentage of cosmic ray hits per profile



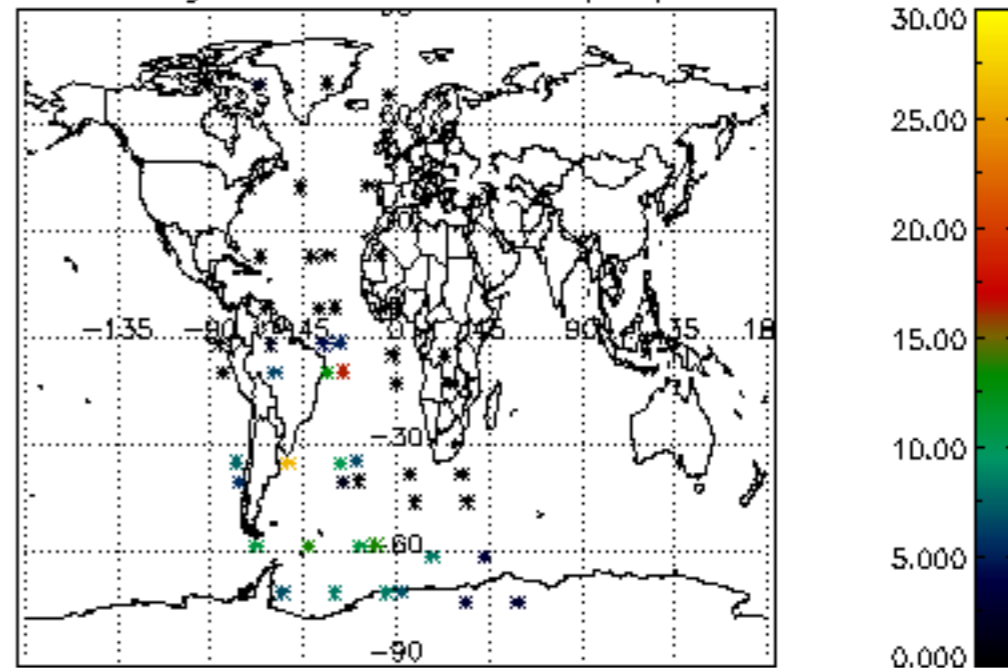
Percentage of datation errors per profile



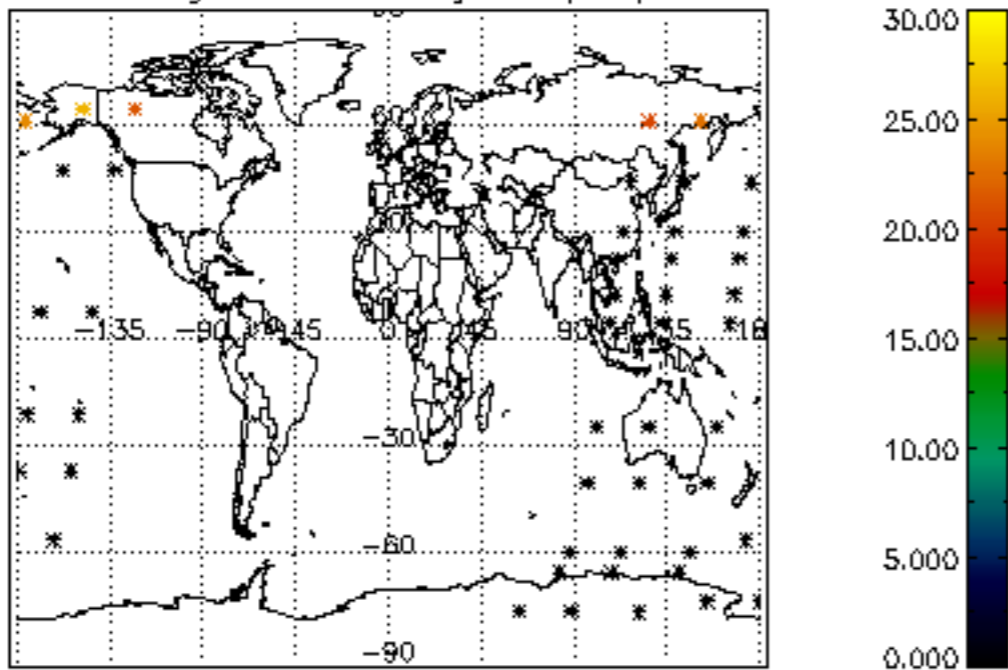
Percentage of star falling outside central band per profile



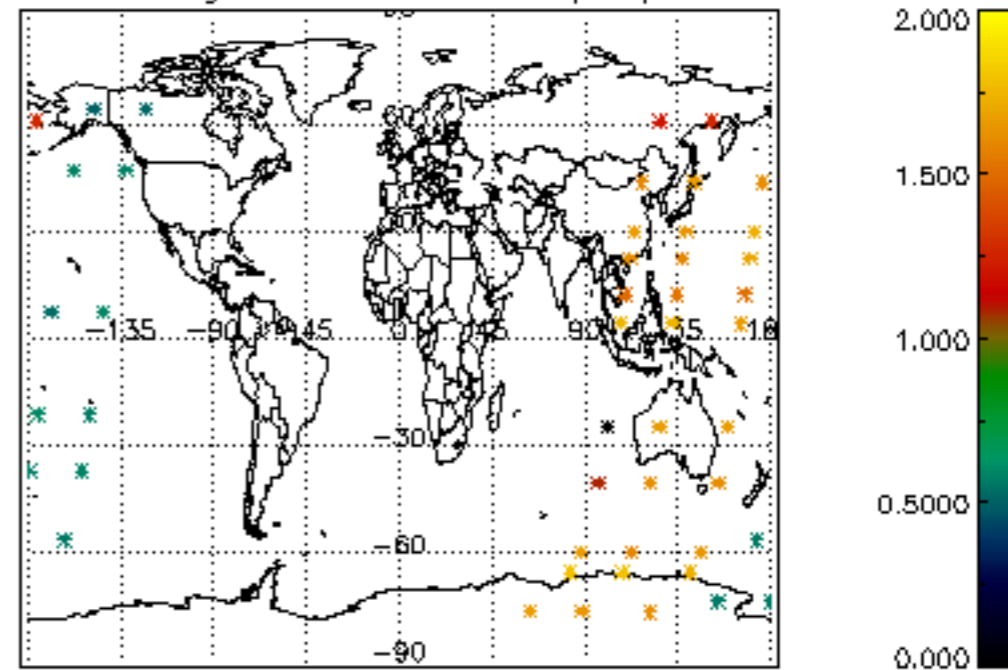
Percentage of saturation errors per profile



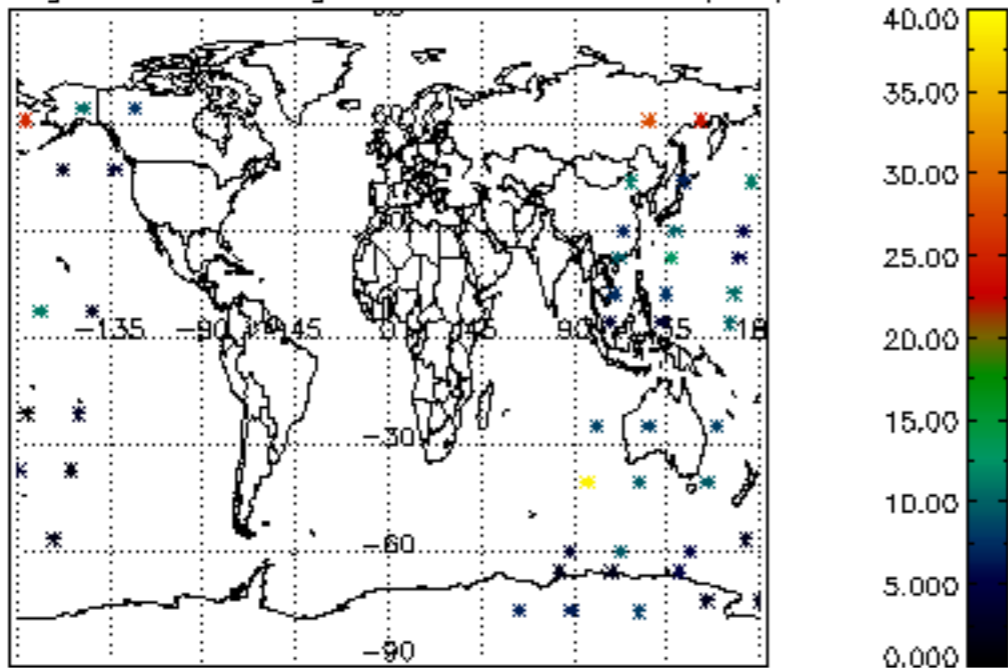
Percentage of cosmic ray hits per profile



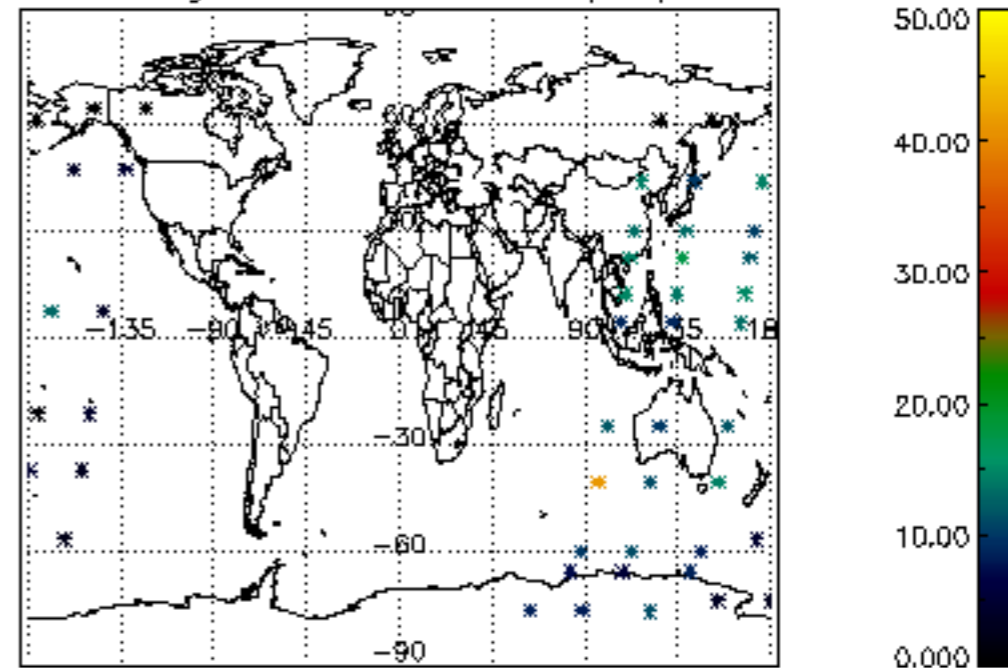
Percentage of datation errors per profile

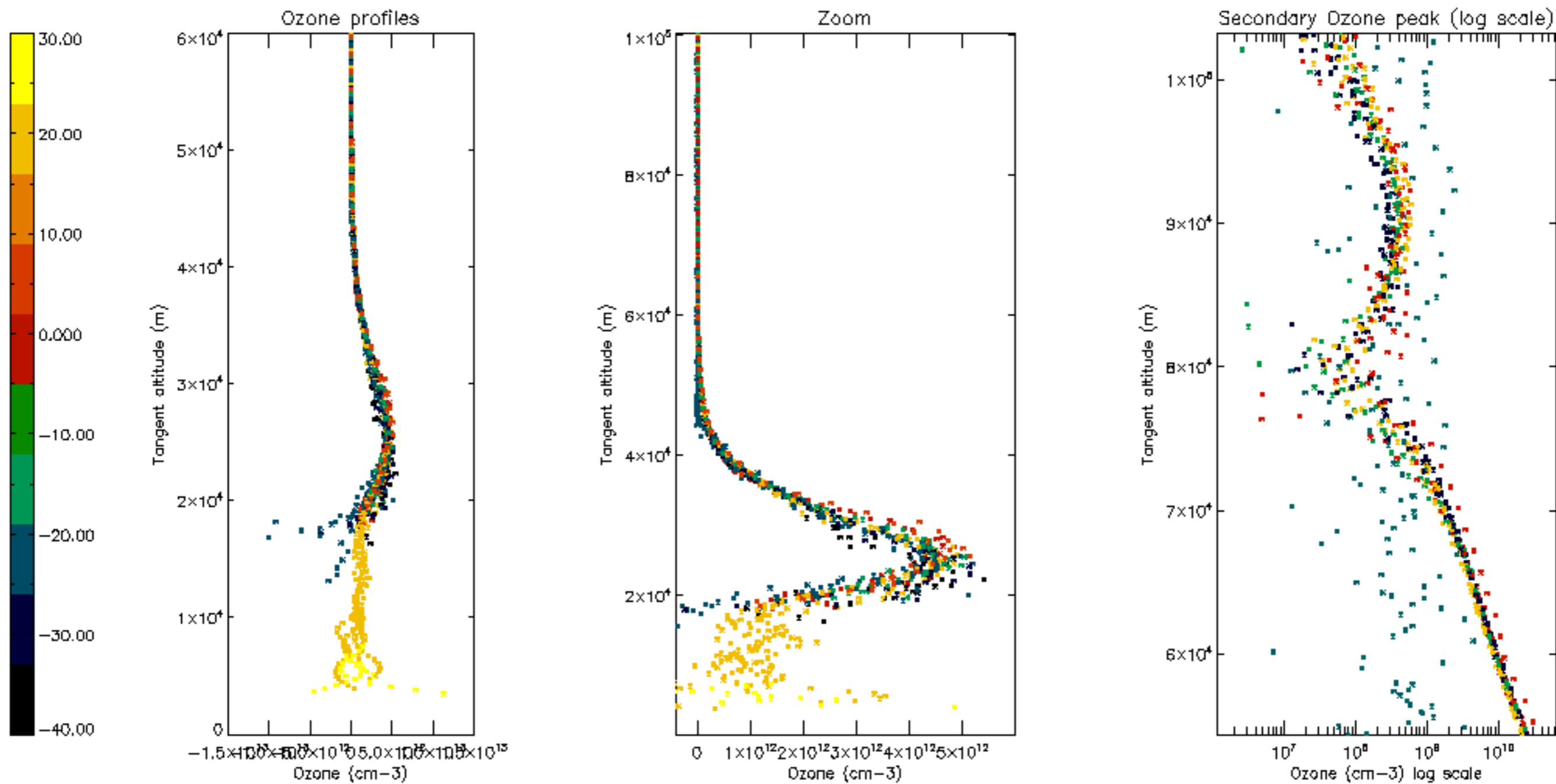


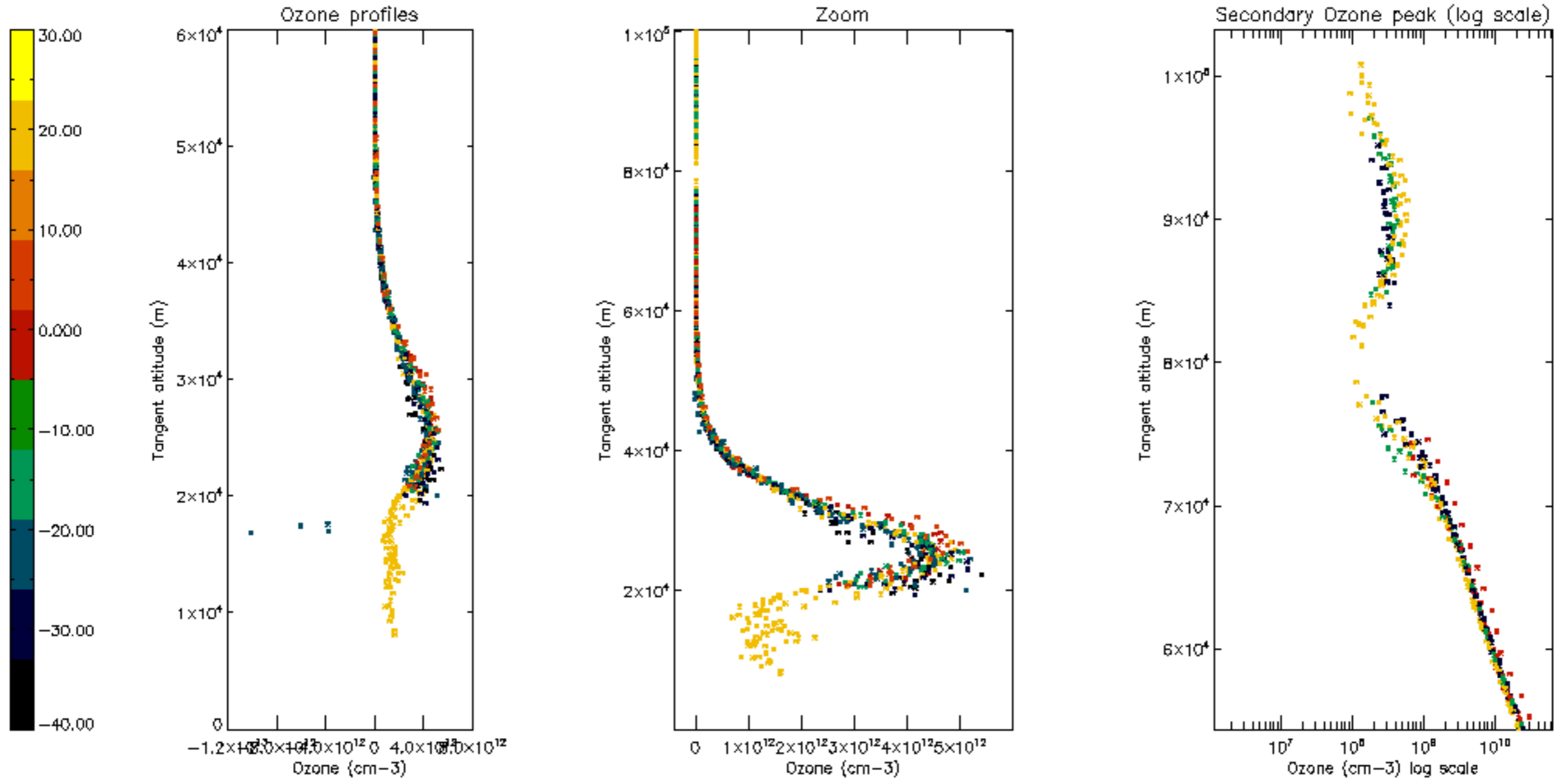
Percentage of star falling outside central band per profile

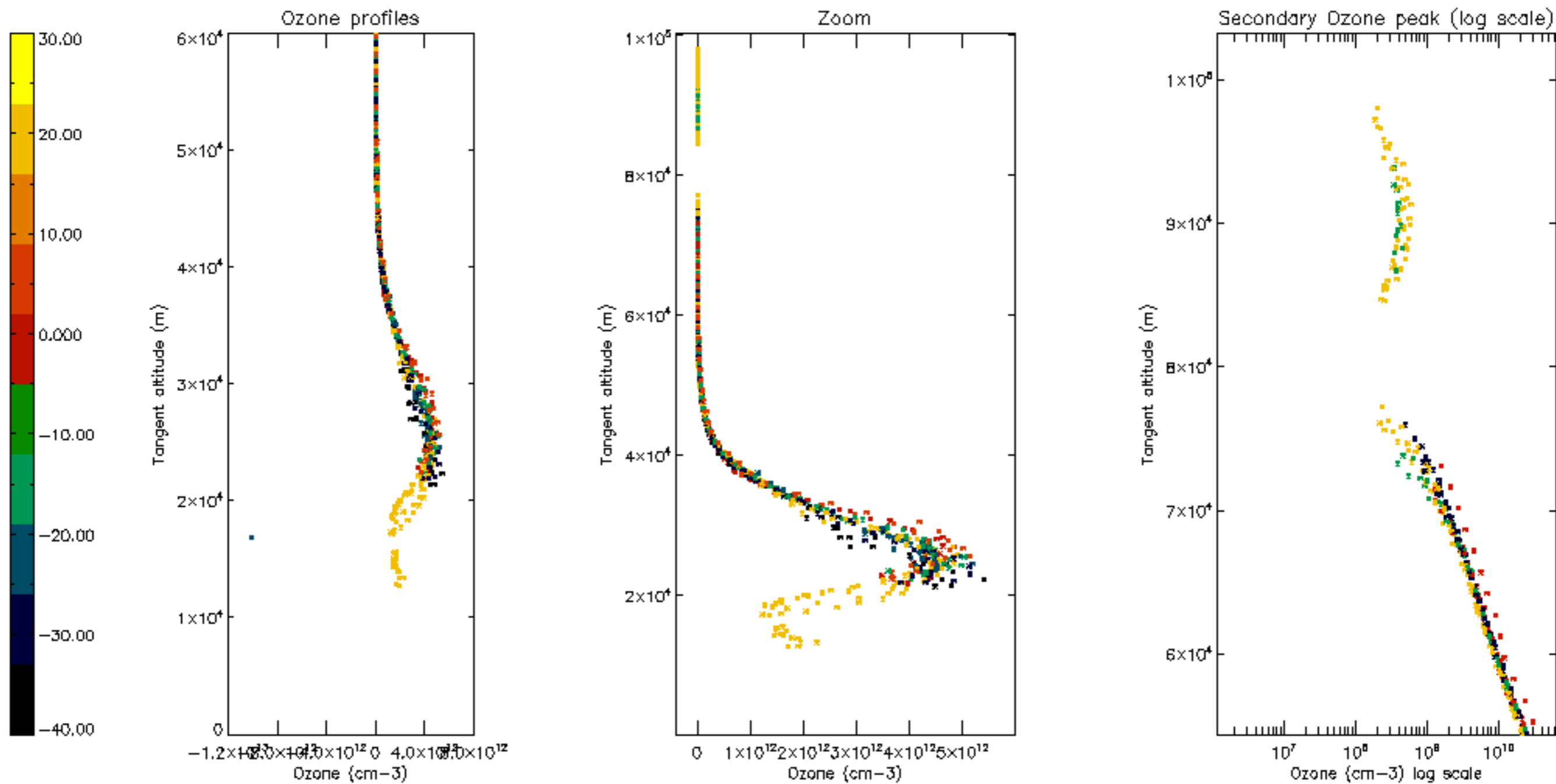


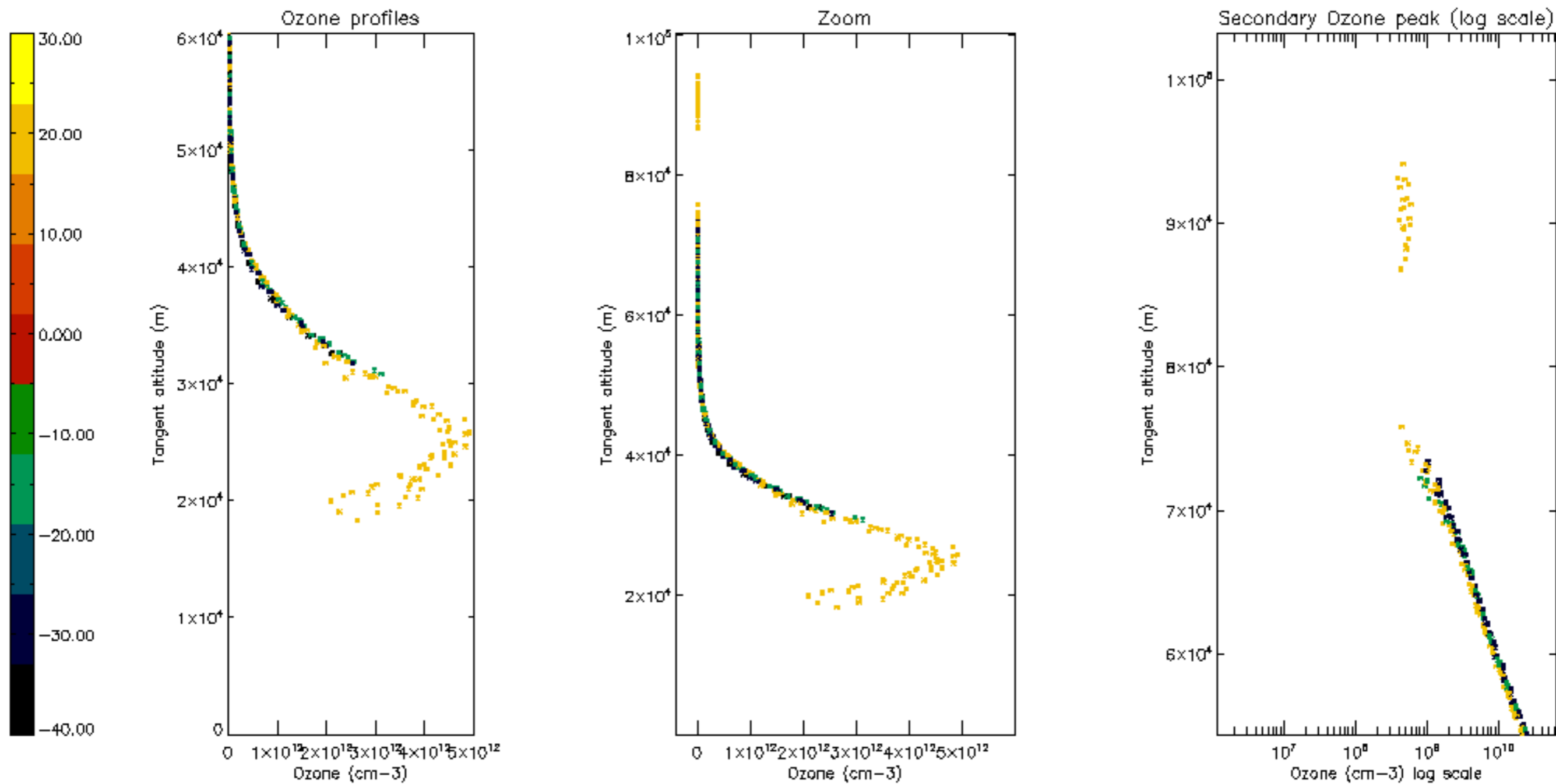
Percentage of saturation errors per profile

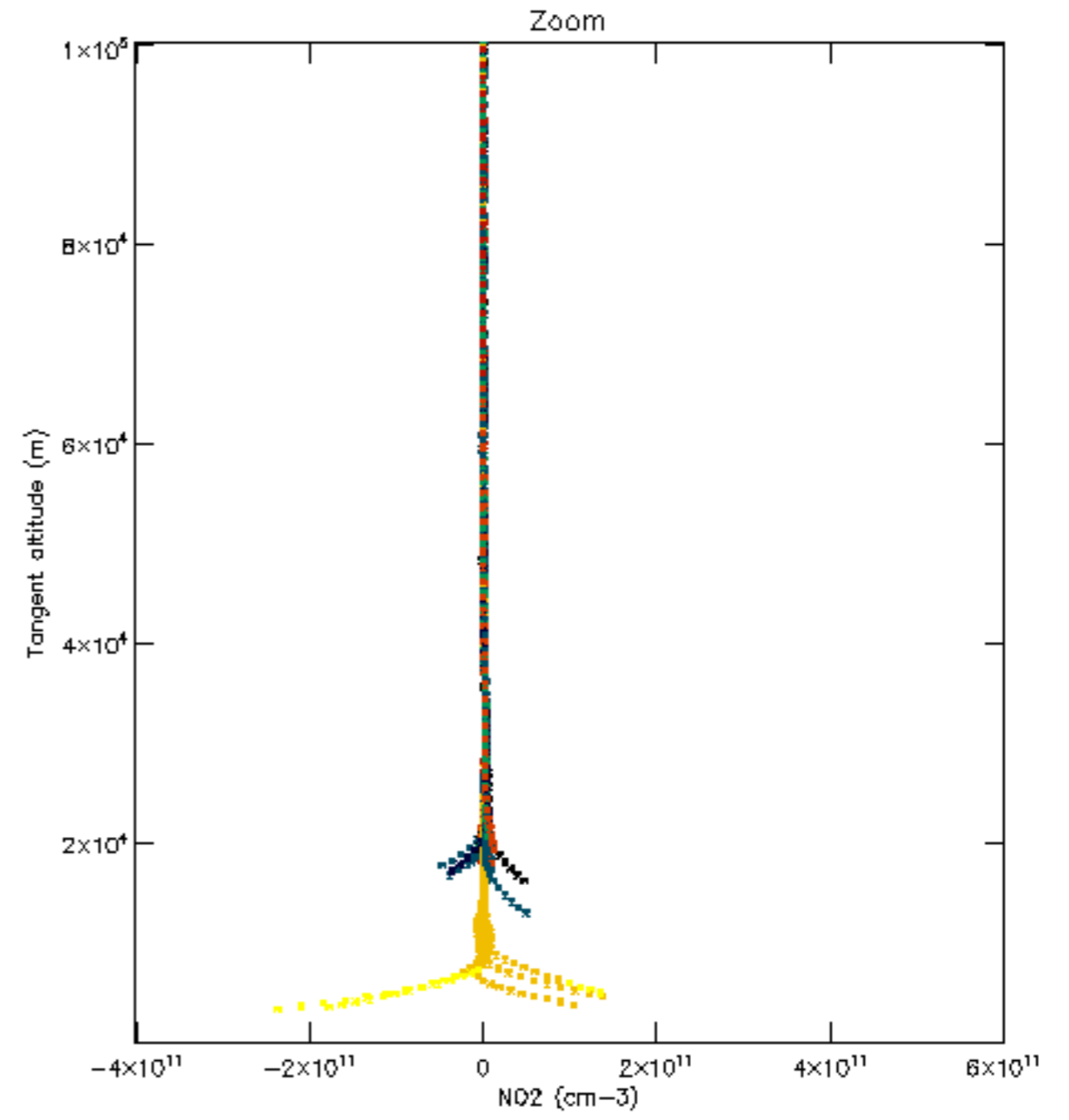
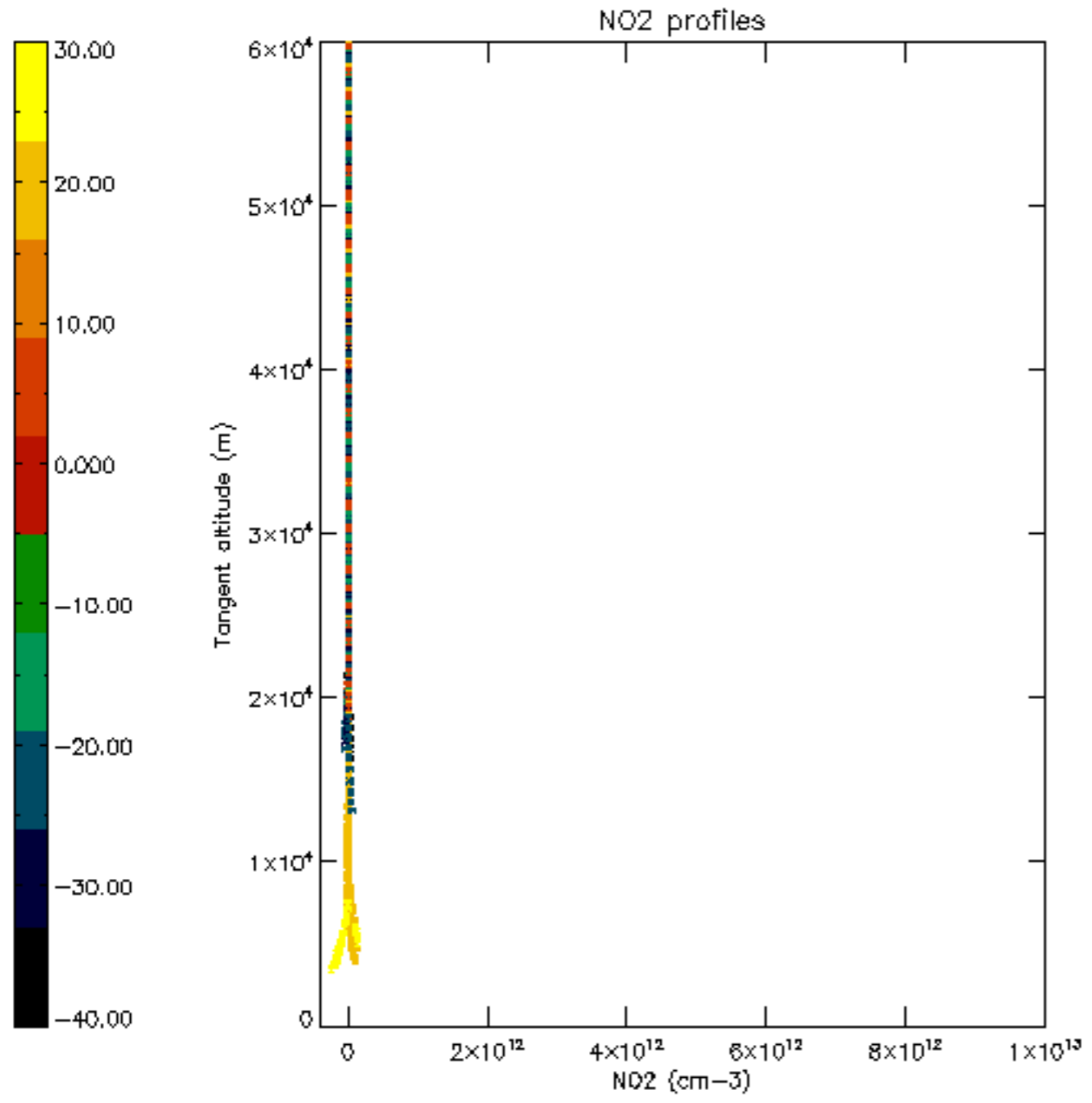


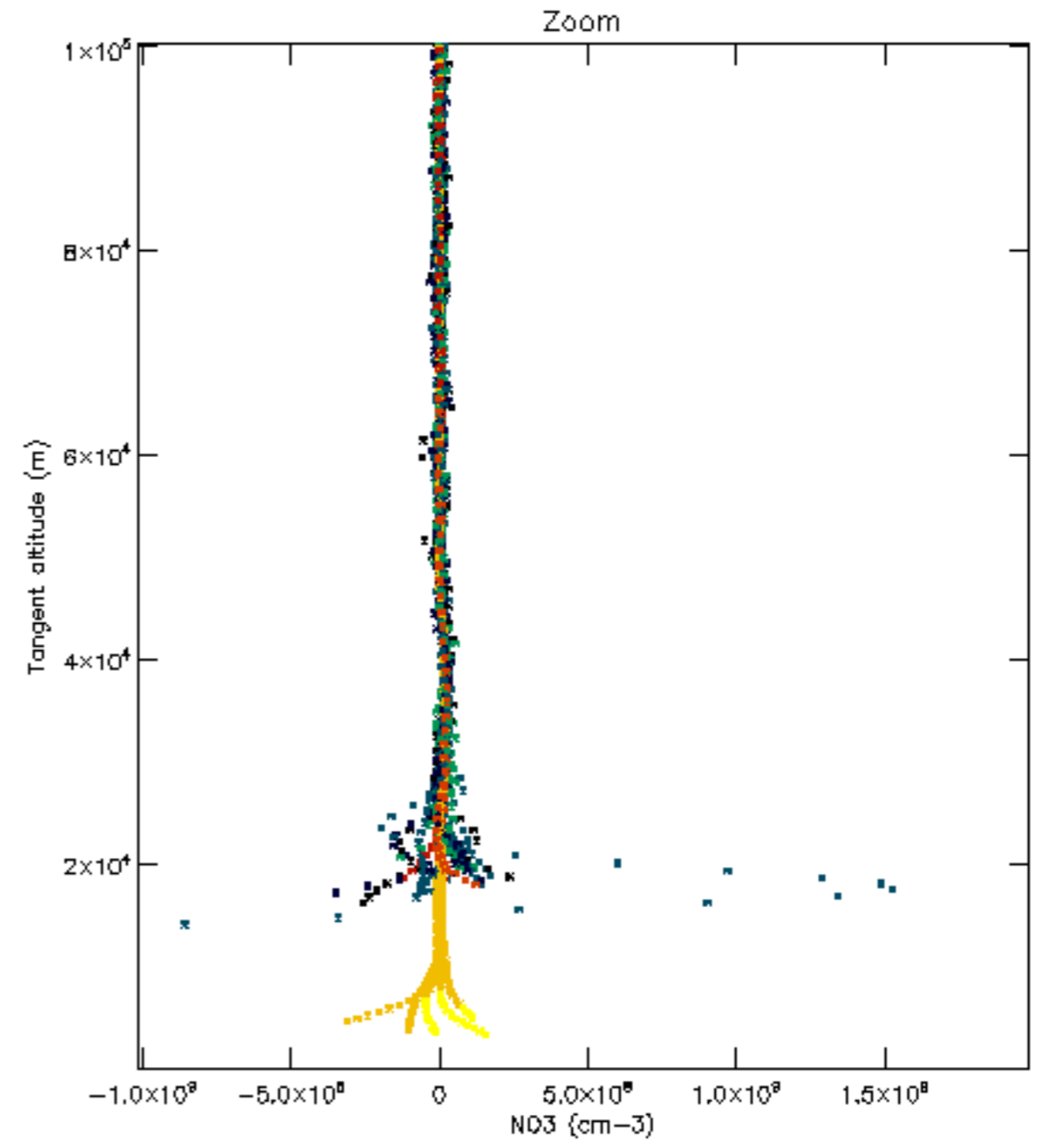
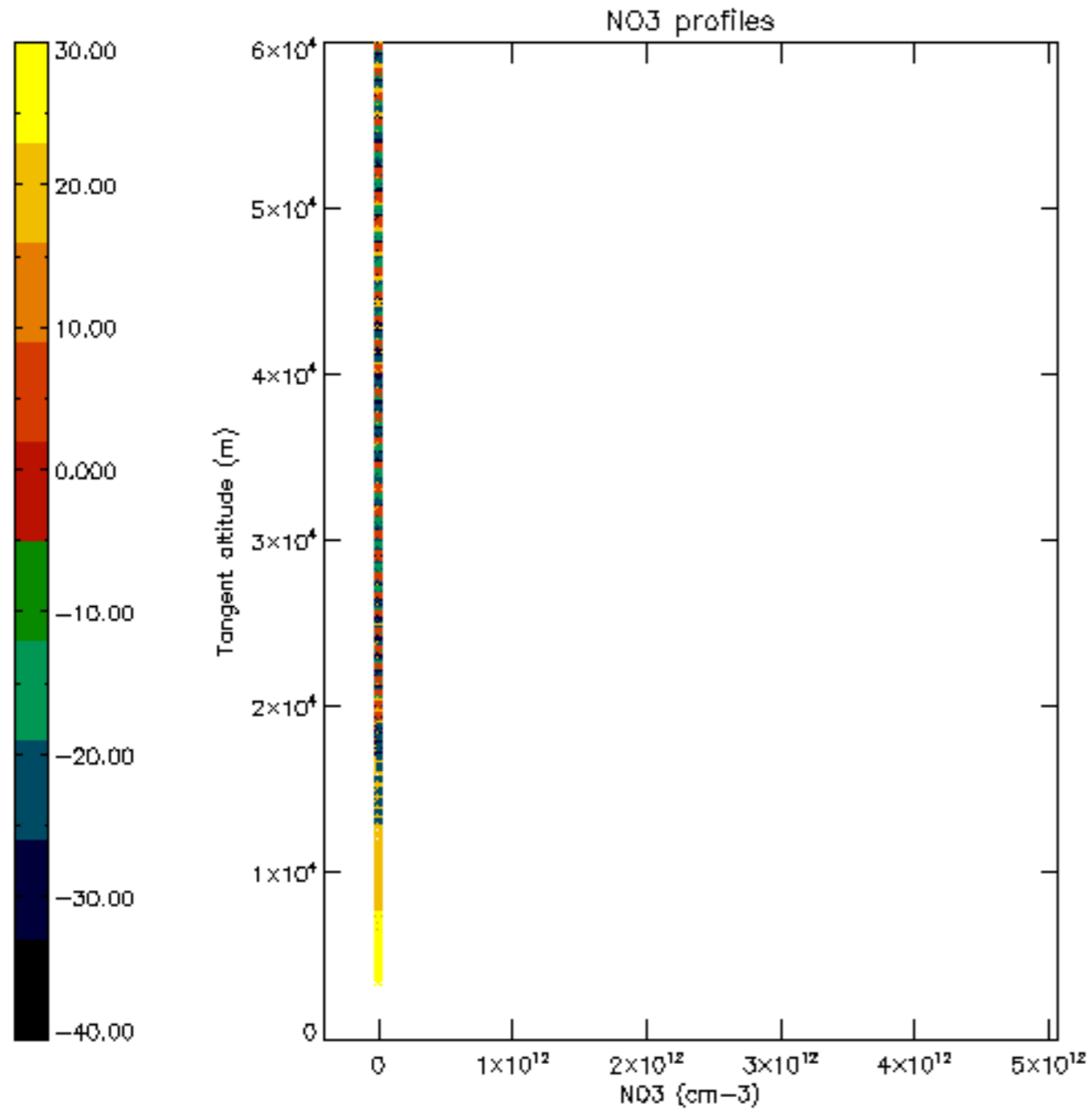


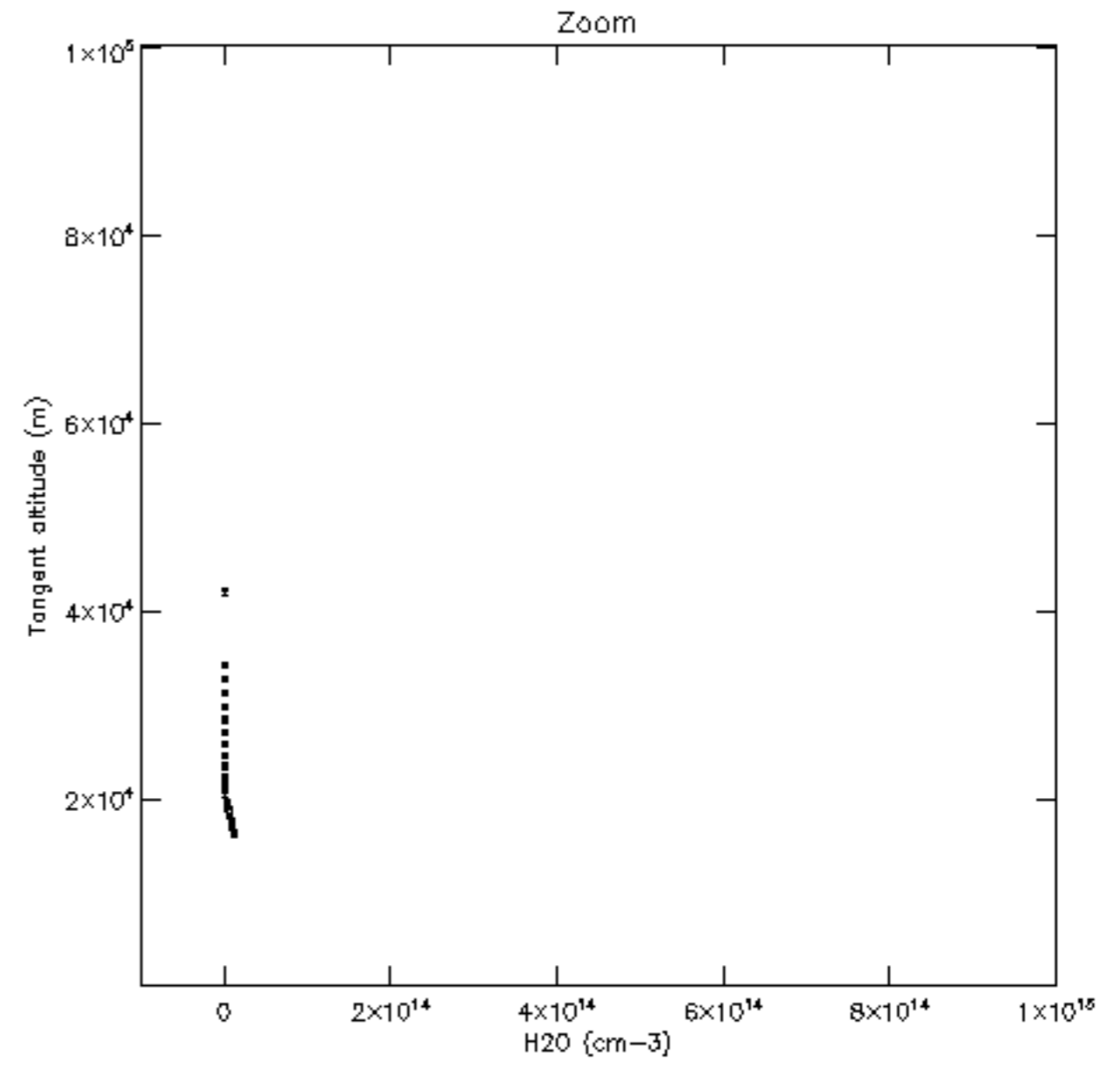
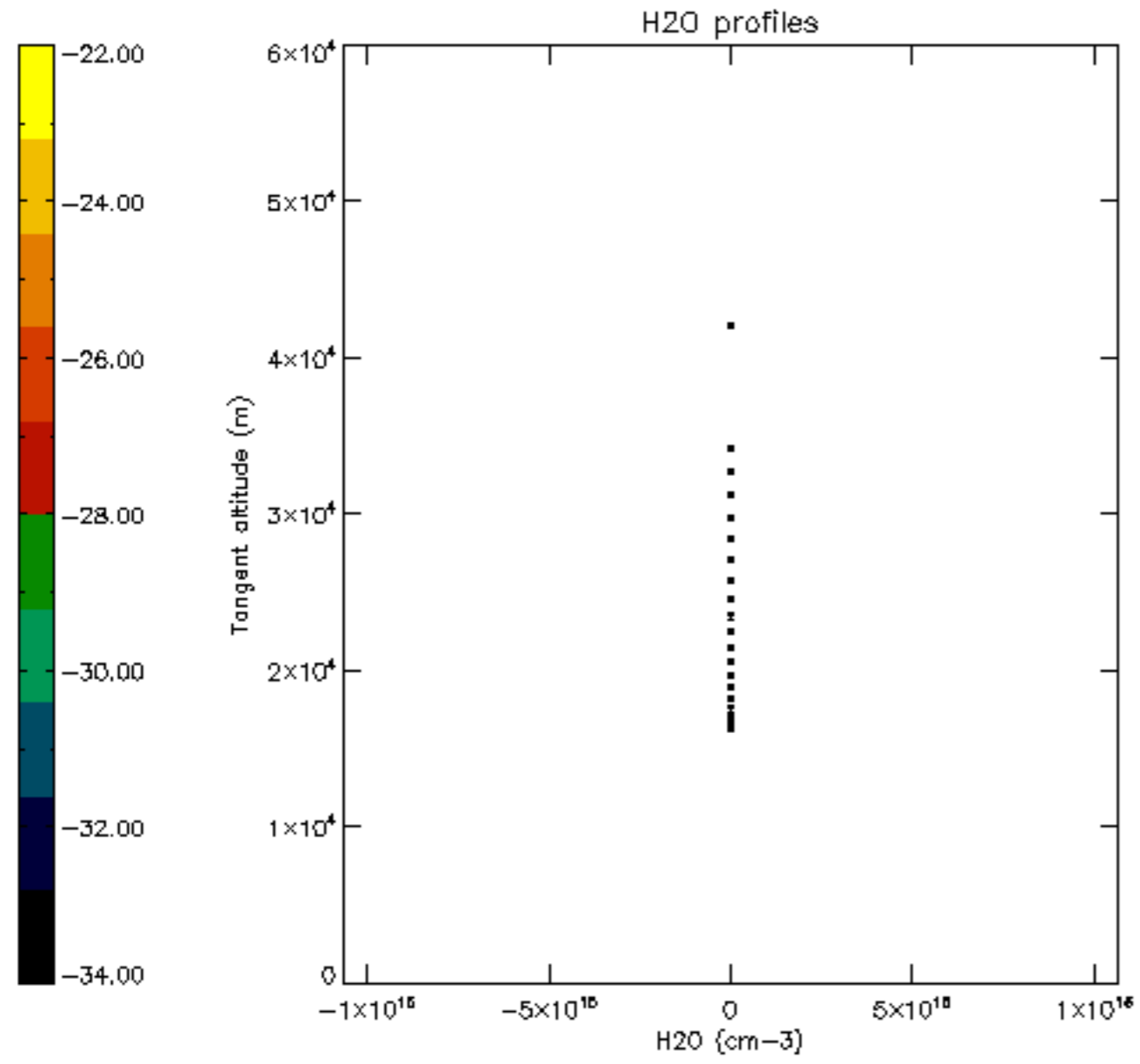


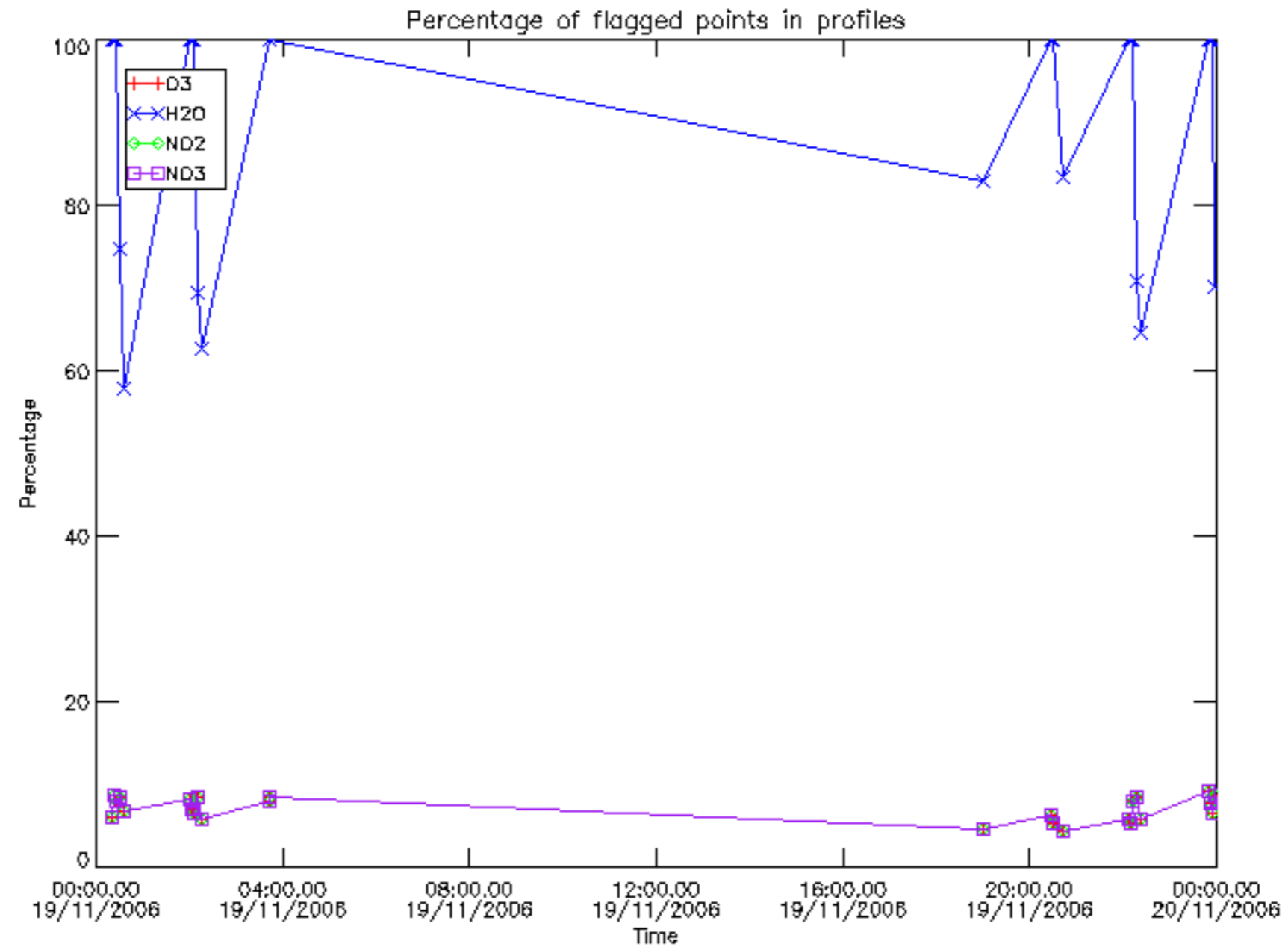




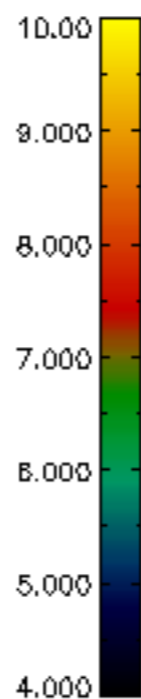
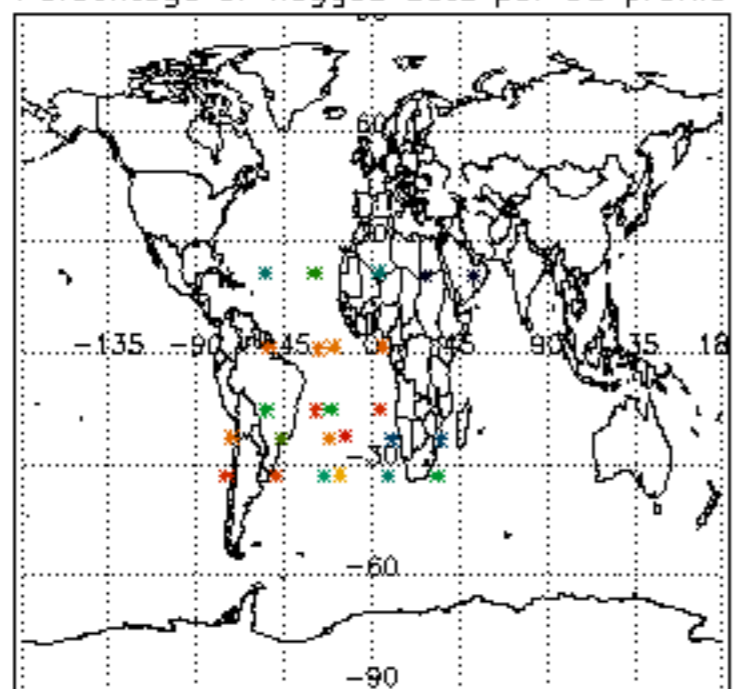




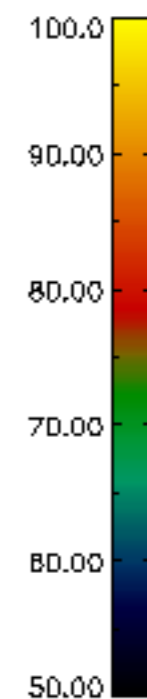
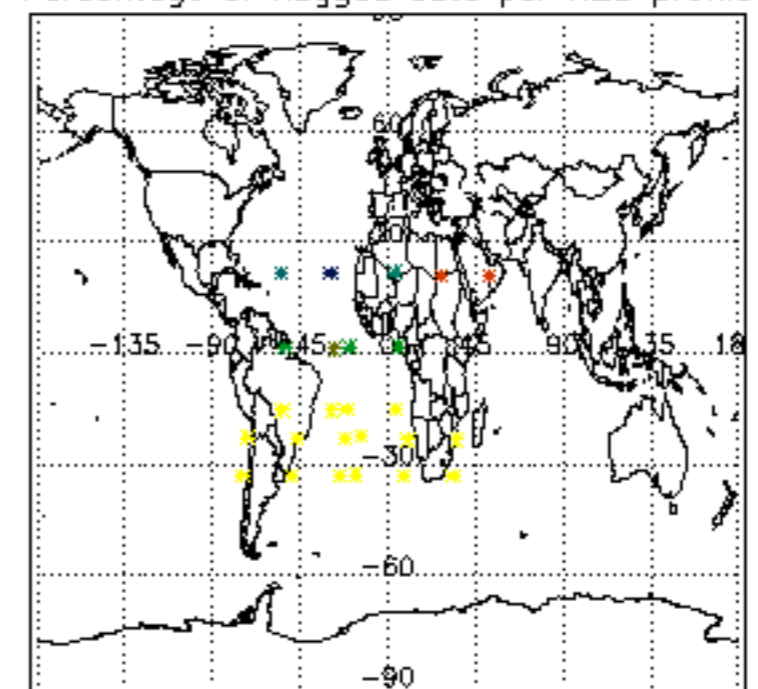




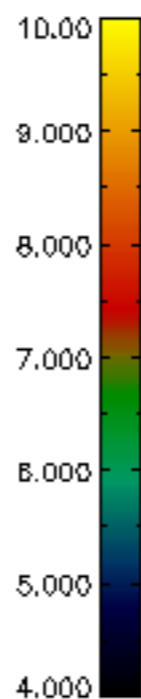
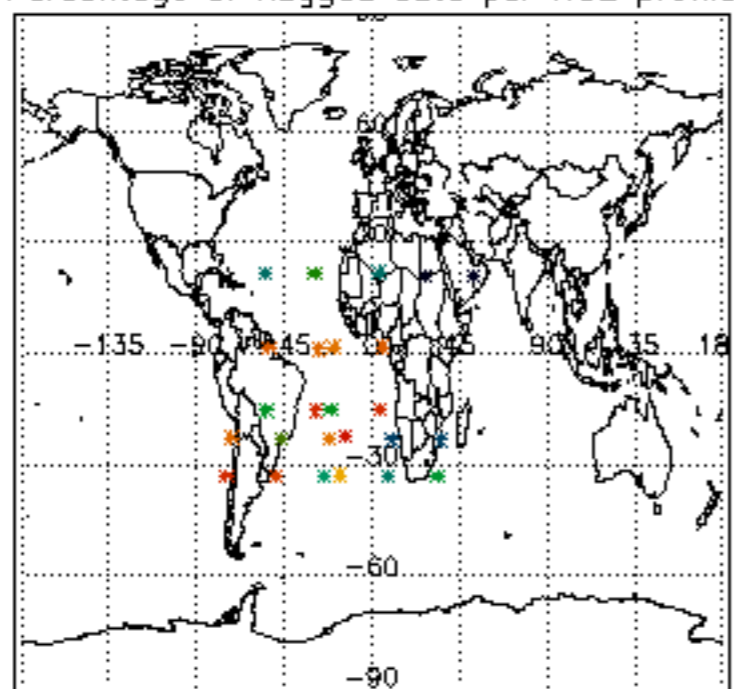
Percentage of flagged data per D3 profile



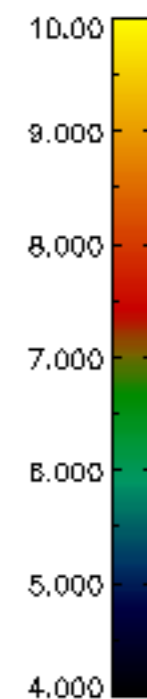
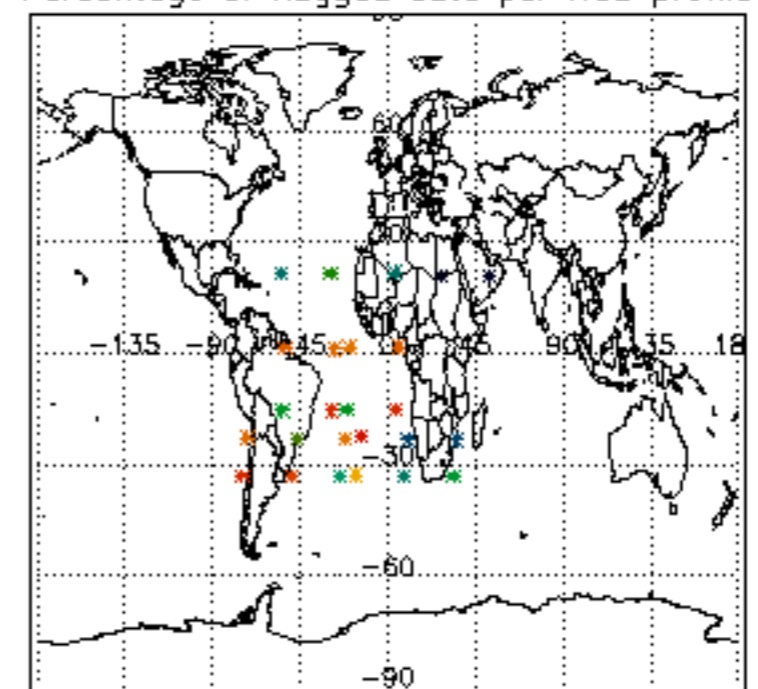
Percentage of flagged data per H2O profile

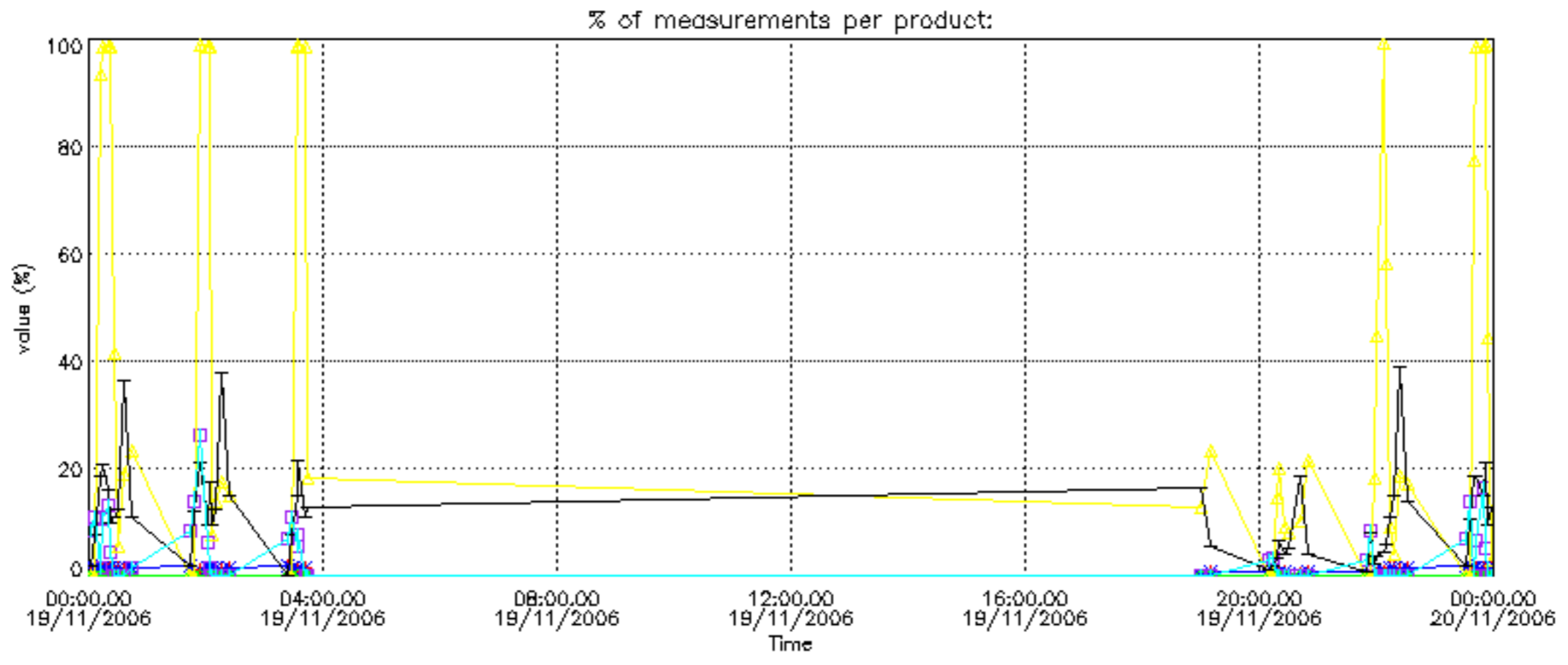


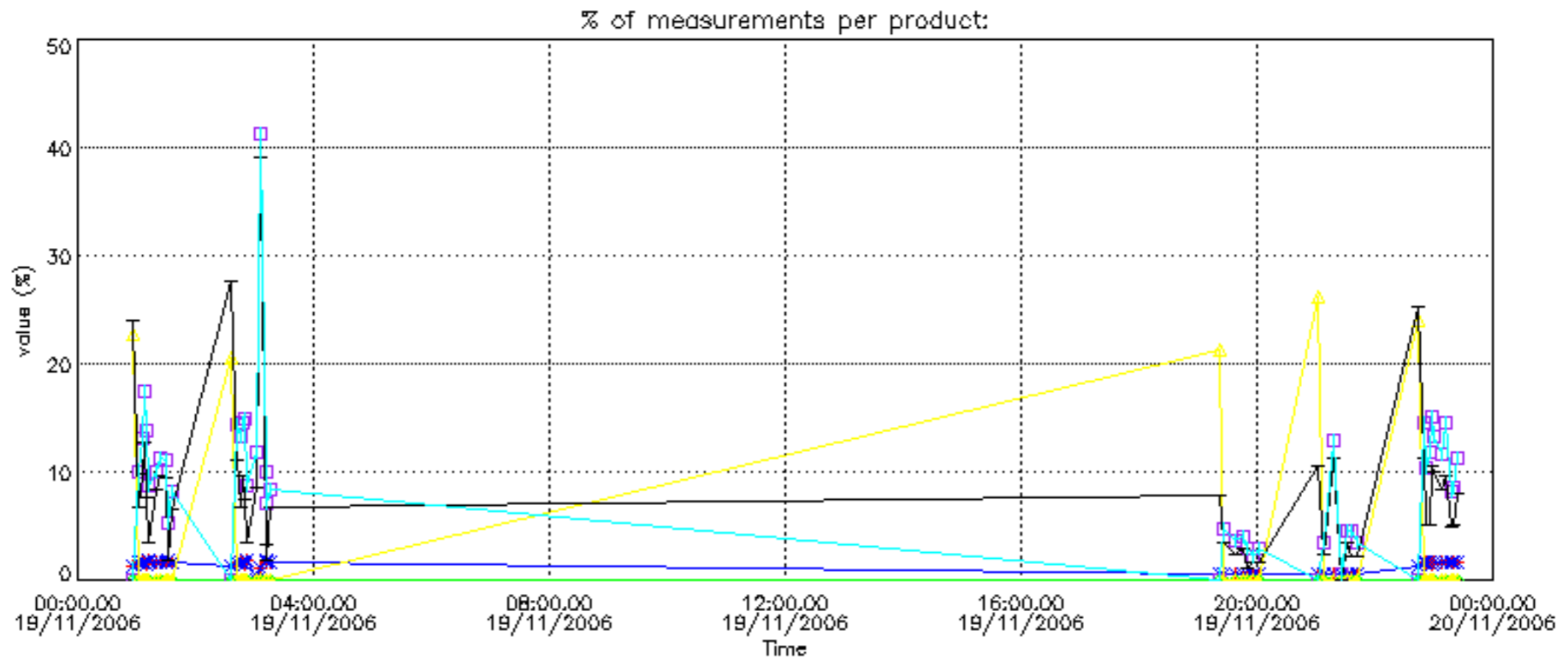
Percentage of flagged data per NO2 profile



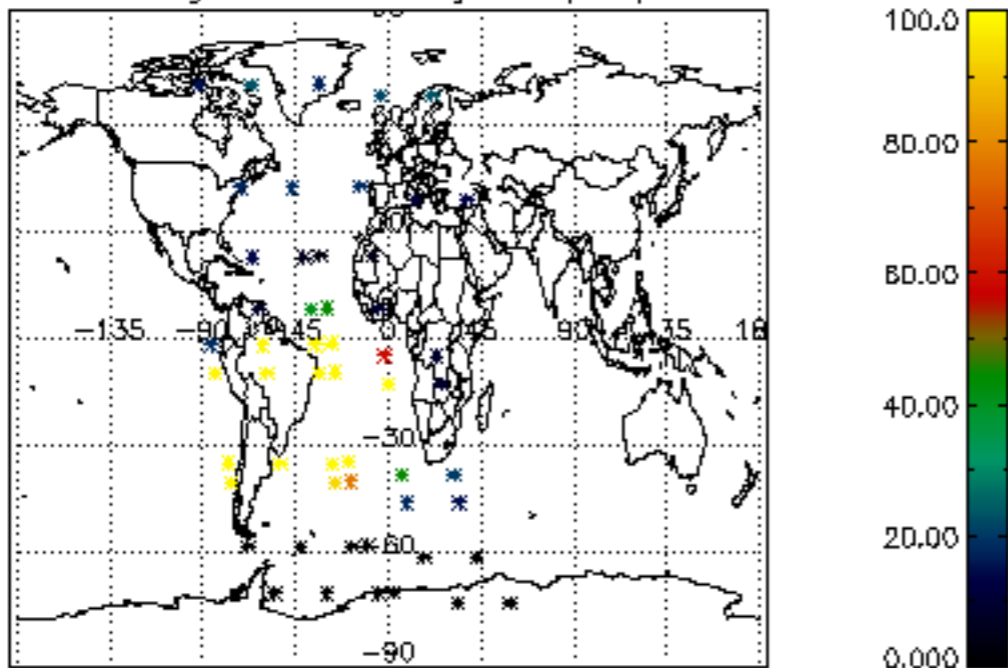
Percentage of flagged data per NO3 profile



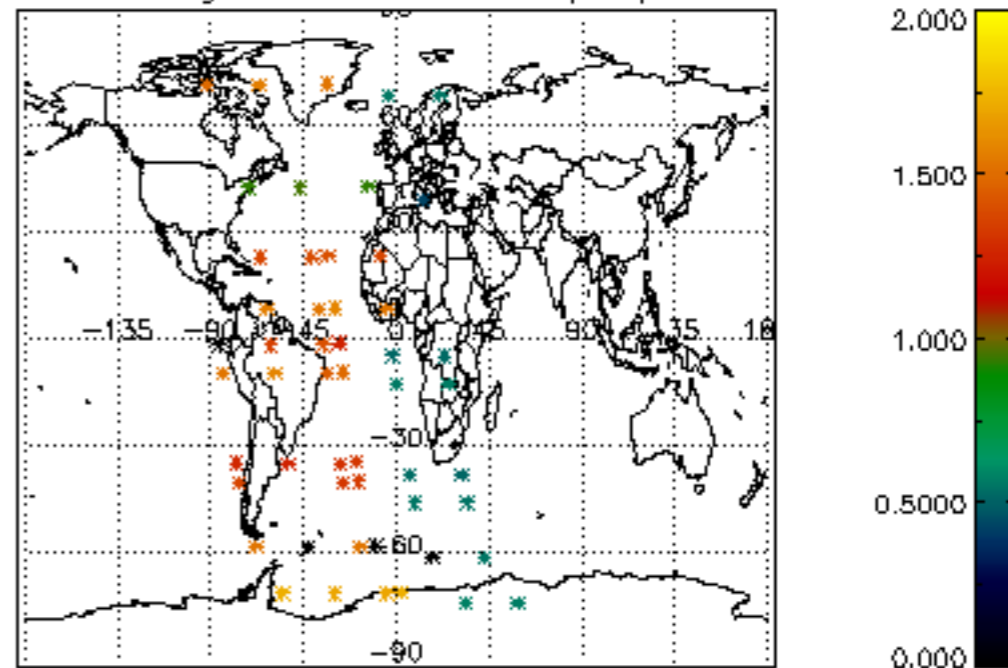




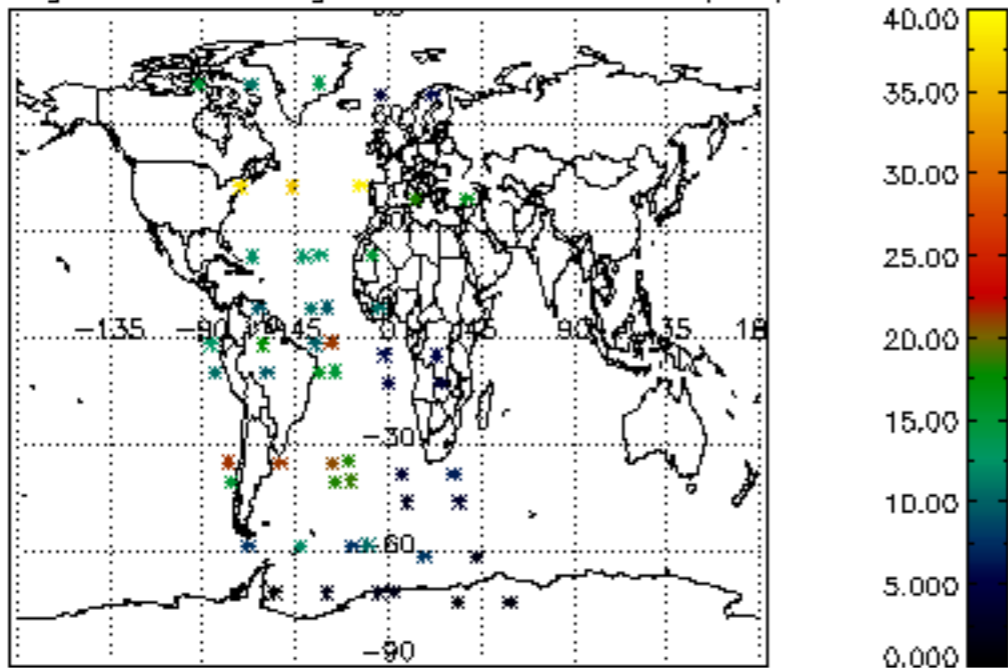
Percentage of cosmic ray hits per profile



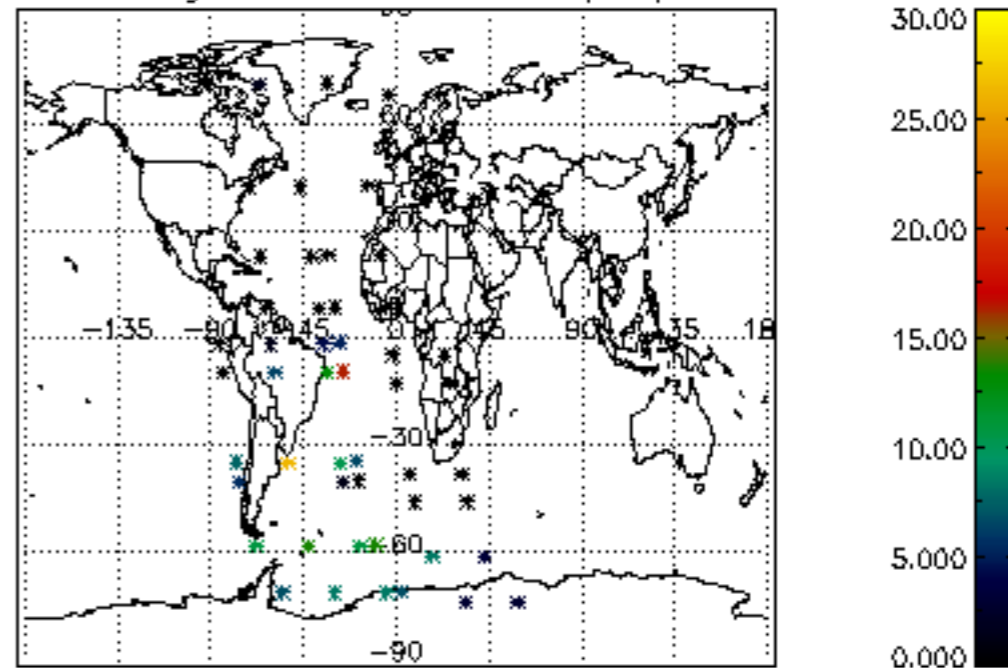
Percentage of datation errors per profile



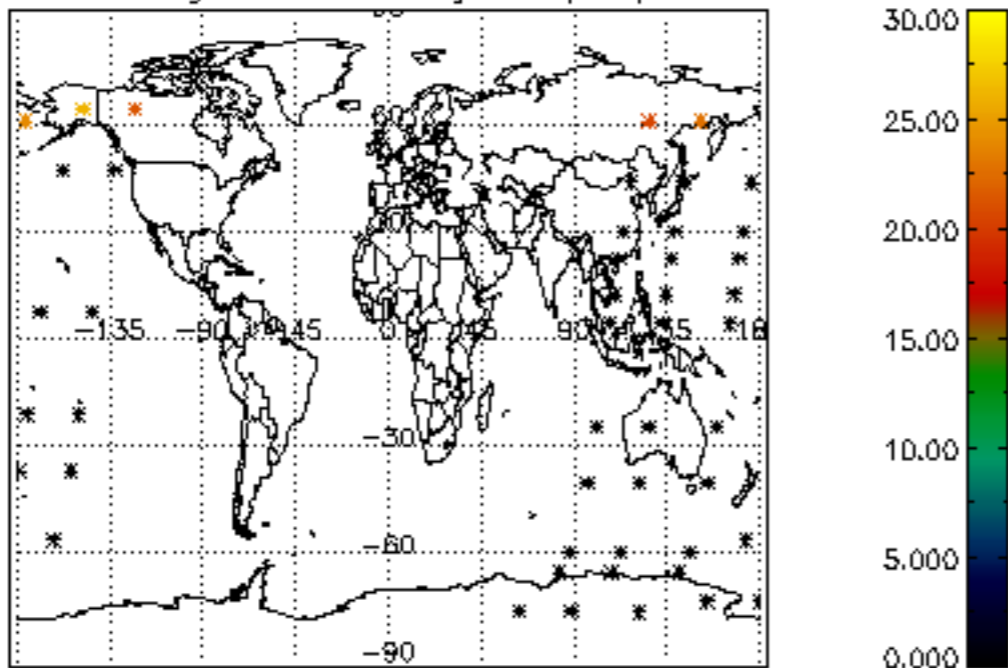
Percentage of star falling outside central band per profile



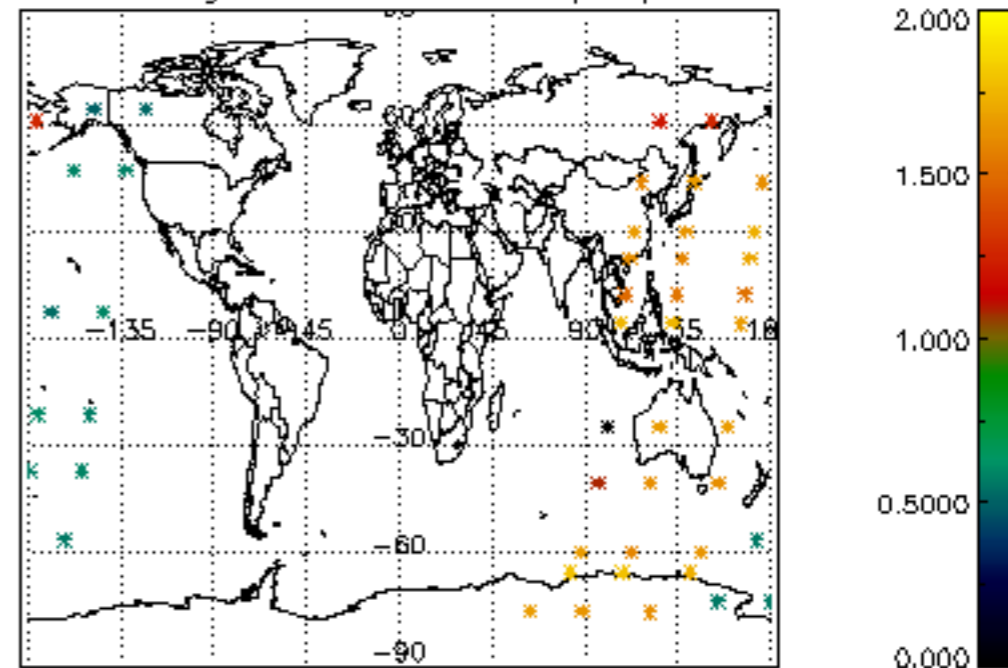
Percentage of saturation errors per profile



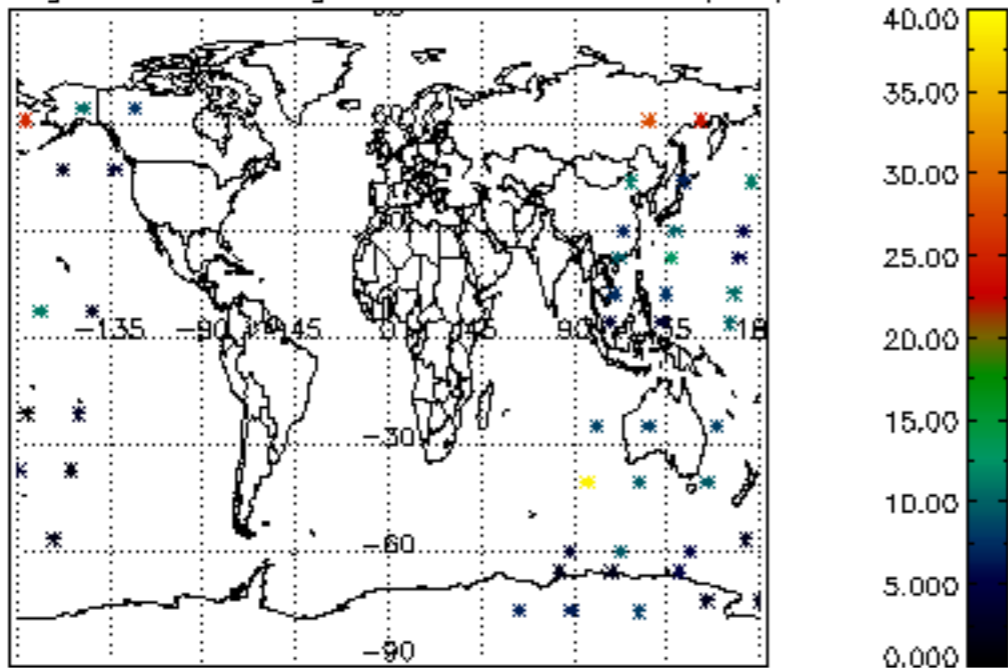
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

