

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	17APR2013 19:54:55
Data source version	GOMOS/6.01
Start time of products	03-11-2002 (03NOV2002 00:00:00)
Stop time of products	04-11-2002 (04NOV2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	102
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

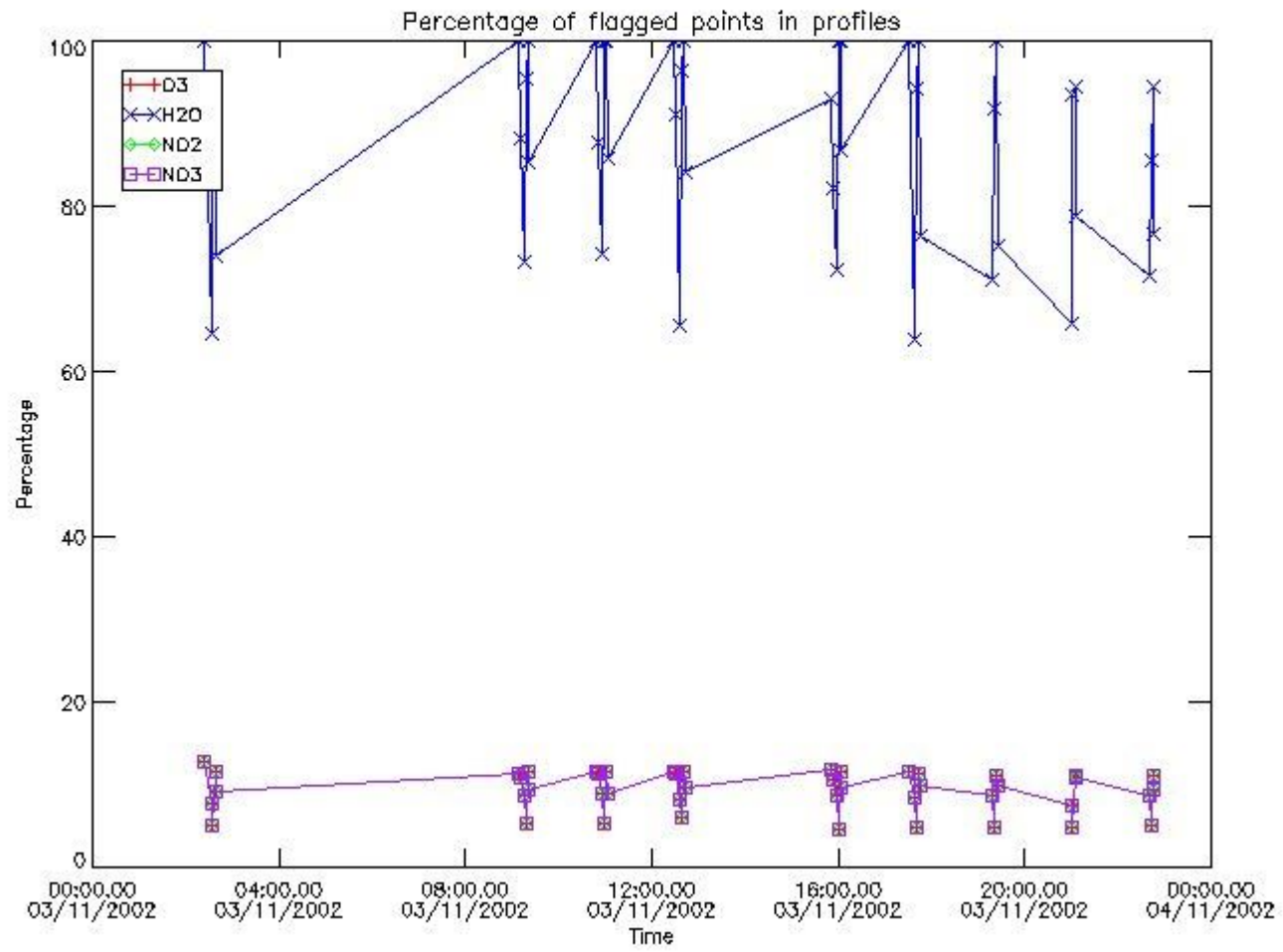
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20021103_011639_000000682010_00475_03535_9350.N1	03-NOV-2002 01:16:39	Twilight	67.500	94	92Alp Cet	2.5260	3100.0	135	3535	No
2	GOM_NL__2PRFIN20021103_011959_000000442010_00475_03535_9351.N1	03-NOV-2002 01:19:59	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	3535	No
3	GOM_NL__2PRFIN20021103_012200_000000512010_00475_03535_9352.N1	03-NOV-2002 01:22:00	Bright	51.000	50	13Alp Ari	2.0070	4250.0	102	3535	No
4	GOM_NL__2PRFIN20021103_012350_000000442010_00475_03535_9353.N1	03-NOV-2002 01:23:50	Bright	43.500	58	21Alp And	2.0730	11000.	87	3535	No
5	GOM_NL__2PRFIN20021103_012527_000000482010_00475_03535_9354.N1	03-NOV-2002 01:25:27	Bright	47.500	173	4Bet Tri	3.0040	8900.0	95	3535	No
6	GOM_NL__2PRFIN20021103_012730_000000472010_00475_03535_9355.N1	03-NOV-2002 01:27:30	Bright	47.000	73	57Gam1And	2.2600	13100.	94	3535	No
7	GOM_NL__2PRFIN20021103_013105_000000442010_00475_03535_9356.N1	03-NOV-2002 01:31:05	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	3535	No
8	GOM_NL__2PRFIN20021103_013424_000000962010_00475_03535_9357.N1	03-NOV-2002 01:34:24	Bright	95.500	114	3Iot Aur	2.6930	4600.0	191	3535	No
9	GOM_NL__2PRFIN20021103_013732_000001052010_00475_03535_9358.N1	03-NOV-2002 01:37:32	Bright	105.000	6	13Alp Aur	0.080000	3400.0	210	3535	No
10	GOM_NL__2PRFIN20021103_014019_000000452010_00475_03535_9359.N1	03-NOV-2002 01:40:19	Bright	45.000	49	1Alp UMi	1.9900	6300.0	90	3535	No
11	GOM_NL__2PRFIN20021103_014415_000000452010_00475_03535_9360.N1	03-NOV-2002 01:44:15	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	3535	No
12	GOM_NL__2PRFIN20021103_014824_000000492010_00475_03535_9361.N1	03-NOV-2002 01:48:24	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	3535	No
13	GOM_NL__2PRFIN20021103_015002_000000472010_00475_03535_9362.N1	03-NOV-2002 01:50:02	Bright	47.000	82	48Bet UMa	2.3650	10600.	94	3535	No
14	GOM_NL__2PRFIN20021103_015345_000000482010_00475_03535_9363.N1	03-NOV-2002 01:53:45	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	3535	No
15	GOM_NL__2PRFIN20021103_022445_000000442010_00476_03536_9394.N1	03-NOV-2002 02:24:45	Dark	44.000	124	The Car	2.7640	30000.	88	3536	No
16	GOM_NL__2PRFIN20021103_023257_000000662010_00476_03536_9395.N1	03-NOV-2002 02:32:57	Dark	65.500	2	Alp Car	-0.73600	7000.0	131	3536	No
17	GOM_NL__2PRFIN20021103_023448_000000992010_00476_03536_9396.N1	03-NOV-2002 02:34:48	Dark	99.000	23	21Eps CMa	1.5020	26000.	198	3536	No
18	GOM_NL__2PRFIN20021103_023819_000000452010_00476_03536_9397.N1	03-NOV-2002 02:38:19	Dark	44.500	143	Alp Hyi	2.8570	7200.0	89	3536	No
19	GOM_NL__2PRFIN20021103_023941_000000562010_00476_03536_9398.N1	03-NOV-2002 02:39:41	Dark	56.000	9	Alp Eri	0.45300	24000.	112	3536	No
20	GOM_NL__2PRFIN20021103_024303_000000512010_00476_03536_9399.N1	03-NOV-2002 02:43:03	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	3536	No
21	GOM_NL__2PRFIN20021103_024551_000002162010_00476_03536_9400.N1	03-NOV-2002 02:45:51	Straylight	216.000	47	2Bet CMa	1.9760	28000.	432	3536	No
22	GOM_NL__2PRFIN20021103_025103_000000512010_00476_03536_9401.N1	03-NOV-2002 02:51:03	Straylight	51.000	52	16Bet Cet	2.0370	4500.0	102	3536	No
23	GOM_NL__2PRFIN20021103_025714_000000682010_00476_03536_9402.N1	03-NOV-2002 02:57:14	Twilight	68.000	94	92Alp Cet	2.5260	3100.0	136	3536	No
24	GOM_NL__2PRFIN20021103_030035_000000422010_00476_03536_9403.N1	03-NOV-2002 03:00:35	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	3536	No
25	GOM_NL__2PRFIN20021103_030236_000000502010_00476_03536_9404.N1	03-NOV-2002 03:02:36	Bright	50.000	50	13Alp Ari	2.0070	4250.0	100	3536	No
26	GOM_NL__2PRFIN20021103_030426_000000442010_00476_03536_9405.N1	03-NOV-2002 03:04:26	Bright	43.500	58	21Alp And	2.0730	11000.	87	3536	No
27	GOM_NL__2PRFIN20021103_030603_000000472010_00476_03536_9406.N1	03-NOV-2002 03:06:03	Bright	46.500	173	4Bet Tri	3.0040	8900.0	93	3536	No
28	GOM_NL__2PRFIN20021103_030806_000000492010_00476_03536_9407.N1	03-NOV-2002 03:08:06	Bright	48.500	73	57Gam1And	2.2600	13100.	97	3536	No
29	GOM_NL__2PRFIN20021103_031141_000000442010_00476_03536_9408.N1	03-NOV-2002 03:11:41	Bright	44.000	68	18Alp Cas	2.2250	4500.0	88	3536	No
30	GOM_NL__2PRFIN20021103_031458_000000982010_00476_03536_9409.N1	03-NOV-2002 03:14:58	Bright	98.000	114	3Iot Aur	2.6930	4600.0	196	3536	No
31	GOM_NL__2PRFIN20021103_031807_000001052010_00476_03536_9410.N1	03-NOV-2002 03:18:07	Bright	105.000	6	13Alp Aur	0.080000	3400.0	210	3536	No
32	GOM_NL__2PRFIN20021103_032055_000000422010_00476_03536_9411.N1	03-NOV-2002 03:20:55	Bright	41.500	49	1Alp UMi	1.9900	6300.0	83	3536	No
33	GOM_NL__2PRFIN20021103_032451_000000462010_00476_03536_9412.N1	03-NOV-2002 03:24:51	Bright	45.500	60	7Bet UMi	2.0810	3950.0	91	3536	No
34	GOM_NL__2PRFIN20021103_032900_000000492010_00476_03536_9413.N1	03-NOV-2002 03:29:00	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	3536	No
35	GOM_NL__2PRFIN20021103_033038_000000482010_00476_03536_9414.N1	03-NOV-2002 03:30:38	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	3536	No
36	GOM_NL__2PRFIN20021103_033421_000000462010_00476_03536_9415.N1	03-NOV-2002 03:34:21	Bright	46.000	174	52Psi UMa	3.0040	4400.0	92	3536	No
37	GOM_NL__2PRFIN20021103_090710_000000452010_00480_03540_9397.N1	03-NOV-2002 09:07:10	Dark	45.000	124	The Car	2.7640	30000.	90	3540	No
38	GOM_NL__2PRFIN20021103_090956_000000482010_00480_03540_9398.N1	03-NOV-2002 09:09:56	Dark	47.500	29	Bet Car	1.6720	10200.	95	3540	No
39	GOM_NL__2PRFIN20021103_091523_000000592010_00480_03540_9399.N1	03-NOV-2002 09:15:23	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3540	No
40	GOM_NL__2PRFIN20021103_091719_000000982010_00480_03540_9400.N1	03-NOV-2002 09:17:19	Dark	98.000	23	21Eps CMa	1.5020	26000.	196	3540	No
41	GOM_NL__2PRFIN20021103_092043_000000452010_00480_03540_9401.N1	03-NOV-2002 09:20:43	Dark	44.500	143	Alp Hyi	2.8570	7200.0	89	3540	No
42	GOM_NL__2PRFIN20021103_092206_000000552010_00480_03540_9402.N1	03-NOV-2002 09:22:06	Dark	54.500	9	Alp Eri	0.45300	24000.	109	3540	No

43	GOM_NL__2PRFIN20021103_092526_000000512010_00480_03540_9403.N1	03-NOV-2002 09:25:26	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	3540	No
44	GOM_NL__2PRFIN20021103_092819_000002192010_00480_03540_9404.N1	03-NOV-2002 09:28:19	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3540	No
45	GOM_NL__2PRFIN20021103_093327_000000522010_00480_03540_9405.N1	03-NOV-2002 09:33:27	Straylight	52.000	52	16Bet Cet	2.0370	4500.0	104	3540	No
46	GOM_NL__2PRFIN20021103_104746_000000452010_00481_03541_9397.N1	03-NOV-2002 10:47:46	Dark	44.500	124	The Car	2.7640	30000.	89	3541	No
47	GOM_NL__2PRFIN20021103_105032_000000452010_00481_03541_9398.N1	03-NOV-2002 10:50:32	Dark	45.000	29	Bet Car	1.6720	10200.	90	3541	No
48	GOM_NL__2PRFIN20021103_105600_000000572010_00481_03541_9399.N1	03-NOV-2002 10:56:00	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	3541	No
49	GOM_NL__2PRFIN20021103_105757_000000952010_00481_03541_9400.N1	03-NOV-2002 10:57:57	Dark	95.000	23	21Eps CMa	1.5020	26000.	190	3541	No
50	GOM_NL__2PRFIN20021103_110119_000000442010_00481_03541_9401.N1	03-NOV-2002 11:01:19	Dark	44.000	143	Alp Hyi	2.8570	7200.0	88	3541	No
51	GOM_NL__2PRFIN20021103_110242_000000572010_00481_03541_9402.N1	03-NOV-2002 11:02:42	Dark	56.500	9	Alp Eri	0.45300	24000.	113	3541	No
52	GOM_NL__2PRFIN20021103_110603_000000492010_00481_03541_9403.N1	03-NOV-2002 11:06:03	Straylight	48.500	157	The1Eri	2.9060	9300.0	97	3541	No
53	GOM_NL__2PRFIN20021103_110857_000002192010_00481_03541_9404.N1	03-NOV-2002 11:08:57	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3541	No
54	GOM_NL__2PRFIN20021103_111403_000000522010_00481_03541_9405.N1	03-NOV-2002 11:14:03	Straylight	52.000	52	16Bet Cet	2.0370	4500.0	104	3541	No
55	GOM_NL__2PRFIN20021103_122823_000000442010_00482_03542_9417.N1	03-NOV-2002 12:28:23	Dark	44.000	124	The Car	2.7640	30000.	88	3542	No
56	GOM_NL__2PRFIN20021103_123109_000000452010_00482_03542_9418.N1	03-NOV-2002 12:31:09	Dark	45.000	29	Bet Car	1.6720	10200.	90	3542	No
57	GOM_NL__2PRFIN20021103_123637_000000692010_00482_03542_9419.N1	03-NOV-2002 12:36:37	Dark	68.500	2	Alp Car	-0.73600	7000.0	137	3542	No
58	GOM_NL__2PRFIN20021103_123834_000000952010_00482_03542_9420.N1	03-NOV-2002 12:38:34	Dark	94.500	23	21Eps CMa	1.5020	26000.	189	3542	No
59	GOM_NL__2PRFIN20021103_124155_000000452010_00482_03542_9421.N1	03-NOV-2002 12:41:55	Dark	44.500	143	Alp Hyi	2.8570	7200.0	89	3542	No
60	GOM_NL__2PRFIN20021103_124318_000000542010_00482_03542_9422.N1	03-NOV-2002 12:43:18	Dark	53.500	9	Alp Eri	0.45300	24000.	107	3542	No
61	GOM_NL__2PRFIN20021103_124641_000000462010_00482_03542_9423.N1	03-NOV-2002 12:46:41	Straylight	46.000	157	The1Eri	2.9060	9300.0	92	3542	No
62	GOM_NL__2PRFIN20021103_124935_000002192010_00482_03542_9424.N1	03-NOV-2002 12:49:35	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3542	No
63	GOM_NL__2PRFIN20021103_125439_000000562010_00482_03542_9425.N1	03-NOV-2002 12:54:39	Straylight	56.000	52	16Bet Cet	2.0370	4500.0	112	3542	No
64	GOM_NL__2PRFIN20021103_154935_000000442010_00484_03544_9417.N1	03-NOV-2002 15:49:35	Dark	43.500	124	The Car	2.7640	30000.	87	3544	No
65	GOM_NL__2PRFIN20021103_155221_000000482010_00484_03544_9418.N1	03-NOV-2002 15:52:21	Dark	48.000	29	Bet Car	1.6720	10200.	96	3544	No
66	GOM_NL__2PRFIN20021103_155749_000000582010_00484_03544_9419.N1	03-NOV-2002 15:57:49	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	3544	No
67	GOM_NL__2PRFIN20021103_155949_000001132010_00484_03544_9420.N1	03-NOV-2002 15:59:49	Dark	113.00	23	21Eps CMa	1.5020	26000.	226	3544	No
68	GOM_NL__2PRFIN20021103_160307_000000442010_00484_03544_9421.N1	03-NOV-2002 16:03:07	Dark	44.000	143	Alp Hyi	2.8570	7200.0	88	3544	No
69	GOM_NL__2PRFIN20021103_160430_000000542010_00484_03544_9422.N1	03-NOV-2002 16:04:30	Dark	53.500	9	Alp Eri	0.45300	24000.	107	3544	No
70	GOM_NL__2PRFIN20021103_160752_000000502010_00484_03544_9423.N1	03-NOV-2002 16:07:52	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	3544	No
71	GOM_NL__2PRFIN20021103_161051_000002192010_00484_03544_9424.N1	03-NOV-2002 16:10:51	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3544	No
72	GOM_NL__2PRFIN20021103_161552_000000532010_00484_03544_9425.N1	03-NOV-2002 16:15:52	Straylight	52.500	52	16Bet Cet	2.0370	4500.0	105	3544	No
73	GOM_NL__2PRFIN20021103_173011_000000452010_00485_03545_9417.N1	03-NOV-2002 17:30:11	Dark	44.500	124	The Car	2.7640	30000.	89	3545	No
74	GOM_NL__2PRFIN20021103_173826_000000672010_00485_03545_9418.N1	03-NOV-2002 17:38:26	Dark	67.000	2	Alp Car	-0.73600	7000.0	134	3545	No
75	GOM_NL__2PRFIN20021103_174027_000001052010_00485_03545_9419.N1	03-NOV-2002 17:40:27	Dark	104.50	23	21Eps CMa	1.5020	26000.	209	3545	No
76	GOM_NL__2PRFIN20021103_174343_000000452010_00485_03545_9420.N1	03-NOV-2002 17:43:43	Dark	45.000	143	Alp Hyi	2.8570	7200.0	90	3545	No
77	GOM_NL__2PRFIN20021103_174506_000000522010_00485_03545_9421.N1	03-NOV-2002 17:45:06	Dark	51.500	9	Alp Eri	0.45300	24000.	103	3545	No
78	GOM_NL__2PRFIN20021103_174829_000000512010_00485_03545_9422.N1	03-NOV-2002 17:48:29	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	3545	No
79	GOM_NL__2PRFIN20021103_191902_000000592010_00486_03546_9417.N1	03-NOV-2002 19:19:02	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	3546	No
80	GOM_NL__2PRFIN20021103_192104_000001062010_00486_03546_9418.N1	03-NOV-2002 19:21:04	Dark	105.50	23	21Eps CMa	1.5020	26000.	211	3546	No
81	GOM_NL__2PRFIN20021103_192419_000000462010_00486_03546_9419.N1	03-NOV-2002 19:24:19	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3546	No
82	GOM_NL__2PRFIN20021103_192542_000000512010_00486_03546_9420.N1	03-NOV-2002 19:25:42	Dark	51.000	9	Alp Eri	0.45300	24000.	102	3546	No
83	GOM_NL__2PRFIN20021103_192905_000000512010_00486_03546_9421.N1	03-NOV-2002 19:29:05	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	3546	No
84	GOM_NL__2PRFIN20021103_205939_000000692010_00487_03547_9417.N1	03-NOV-2002 20:59:39	Dark	69.000	2	Alp Car	-0.73600	7000.0	138	3547	No
85	GOM_NL__2PRFIN20021103_210142_000001082010_00487_03547_9418.N1	03-NOV-2002 21:01:42	Dark	108.00	23	21Eps CMa	1.5020	26000.	216	3547	No
86	GOM_NL__2PRFIN20021103_210456_000000462010_00487_03547_9419.N1	03-NOV-2002 21:04:56	Dark	46.000	143	Alp Hyi	2.8570	7200.0	92	3547	No
87	GOM_NL__2PRFIN20021103_210618_000000482010_00487_03547_9420.N1	03-NOV-2002 21:06:18	Dark	47.500	9	Alp Eri	0.45300	24000.	95	3547	No
88	GOM_NL__2PRFIN20021103_210941_000000502010_00487_03547_9421.N1	03-NOV-2002 21:09:41	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	3547	No
89	GOM_NL__2PRFIN20021103_224016_000000592010_00488_03548_9417.N1	03-NOV-2002 22:40:16	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3548	No
90	GOM_NL__2PRFIN20021103_224220_000001012010_00488_03548_9418.N1	03-NOV-2002 22:42:20	Dark	100.50	23	21Eps CMa	1.5020	26000.	201	3548	No
91	GOM_NL__2PRFIN20021103_224532_000000462010_00488_03548_9419.N1	03-NOV-2002 22:45:32	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3548	No
92	GOM_NL__2PRFIN20021103_224654_000000542010_00488_03548_2862.N1	03-NOV-2002 22:46:54	Dark	54.000	9	Alp Eri	0.45300	24000.	108	3548	No
93	GOM_NL__2PRFIN20021103_225017_000000482010_00488_03548_2863.N1	03-NOV-2002 22:50:17	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	3548	No
94	GOM_NL__2PRFIN20021103_225323_000002192010_00488_03548_2864.N1	03-NOV-2002 22:53:23	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3548	No
95	GOM_NL__2PRFIN20021103_232501_000000802010_00488_03548_2865.N1	03-NOV-2002 23:25:01	Bright	79.500	6	13Alp Aur	0.080000	3400.0	159	3548	No
96	GOM_NL__2PRFIN20021103_232805_000000472010_00488_03548_2866.N1	03-NOV-2002 23:28:05	Bright	46.500	49	1Alp UMi	1.9900	6300.0	93	3548	No
97	GOM_NL__2PRFIN20021103_233204_000000442010_00488_03548_2867.N1	03-NOV-2002 23:32:04	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	3548	No
98	GOM_NL__2PRFIN20021103_233608_000000492010_00488_03548_2868.N1	03-NOV-2002 23:36:08	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	3548	No
99	GOM_NL__2PRFIN20021103_233747_000000502010_00488_03548_2869.N1	03-NOV-2002 23:37:47	Bright	49.500	82	48Bet UMa	2.3650	10600.	99	3548	No
100	GOM_NL__2PRFIN20021103_234131_000000482010_00488_03548_2870.N1	03-NOV-2002 23:41:31	Bright	47.500	174	52Psi UMa	3.0040	4400.0	95	3548	No
101	GOM_NL__2PRFIN20021103_234947_000000712010_00488_03548_2871.N1	03-NOV-2002 23:49:47	Bright	70.500	166	17Eps Leo	2.9800	6000.0	141	3548	No

3. Quality information per product

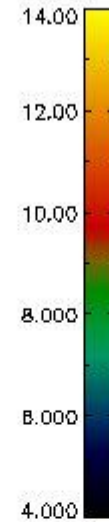
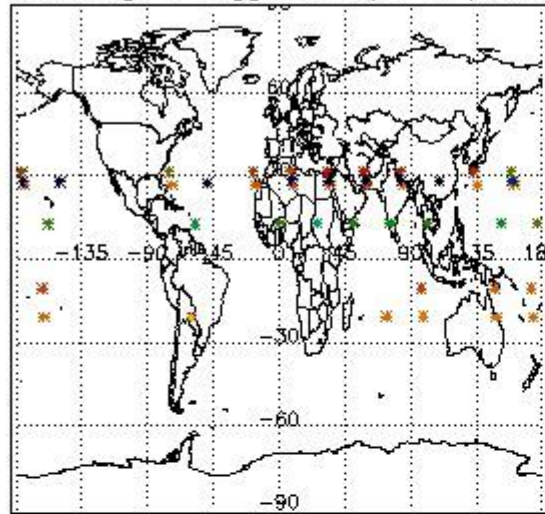
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

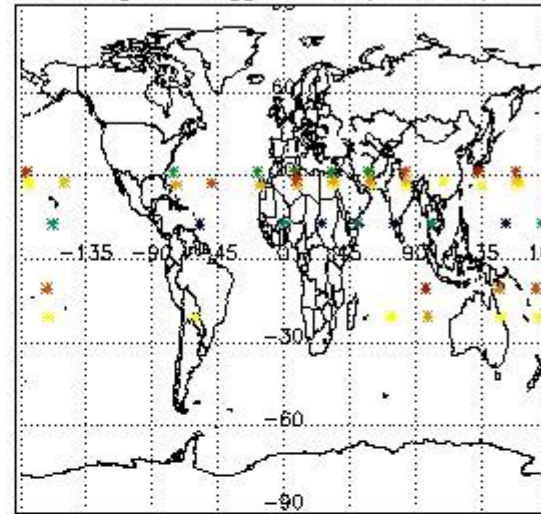


3.2 Plot quality information per product (world map)

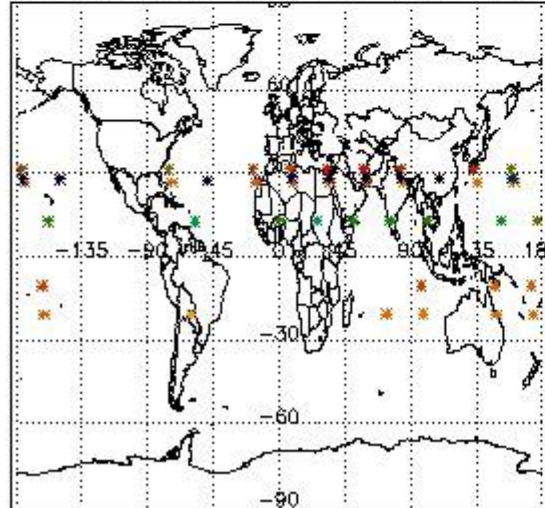
Percentage of flagged data per O3 profile



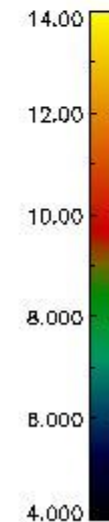
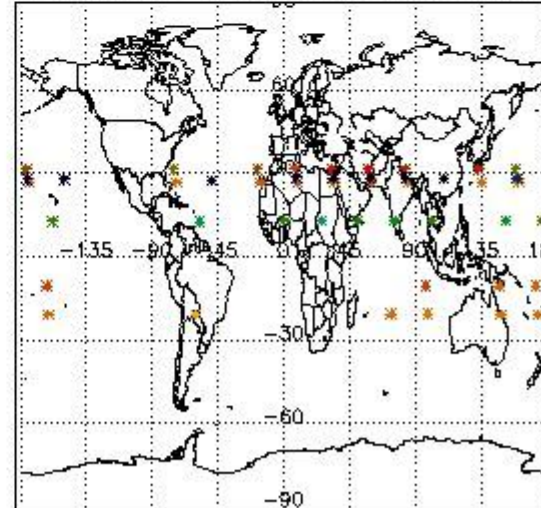
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

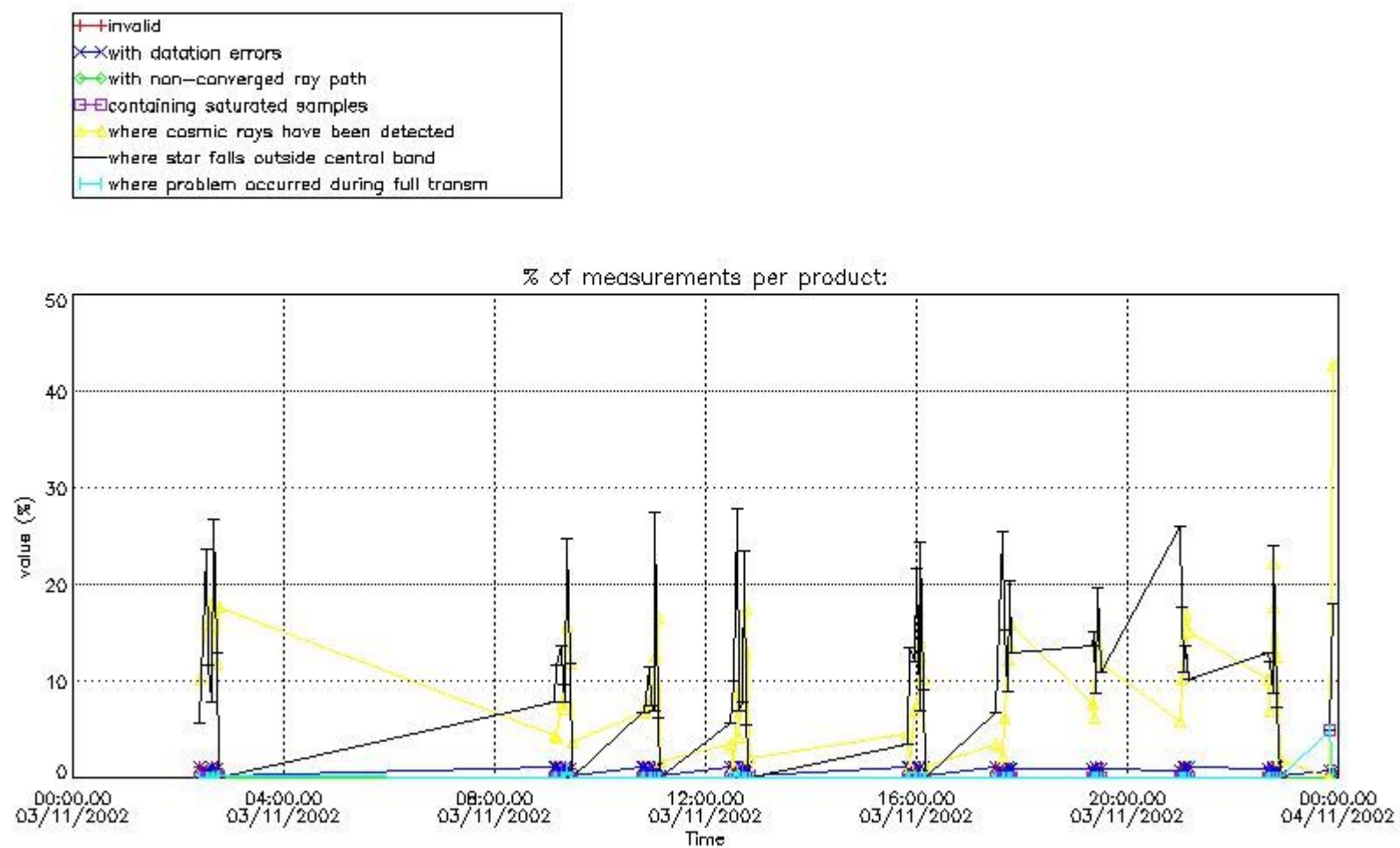


4. Level 1 quality information per product

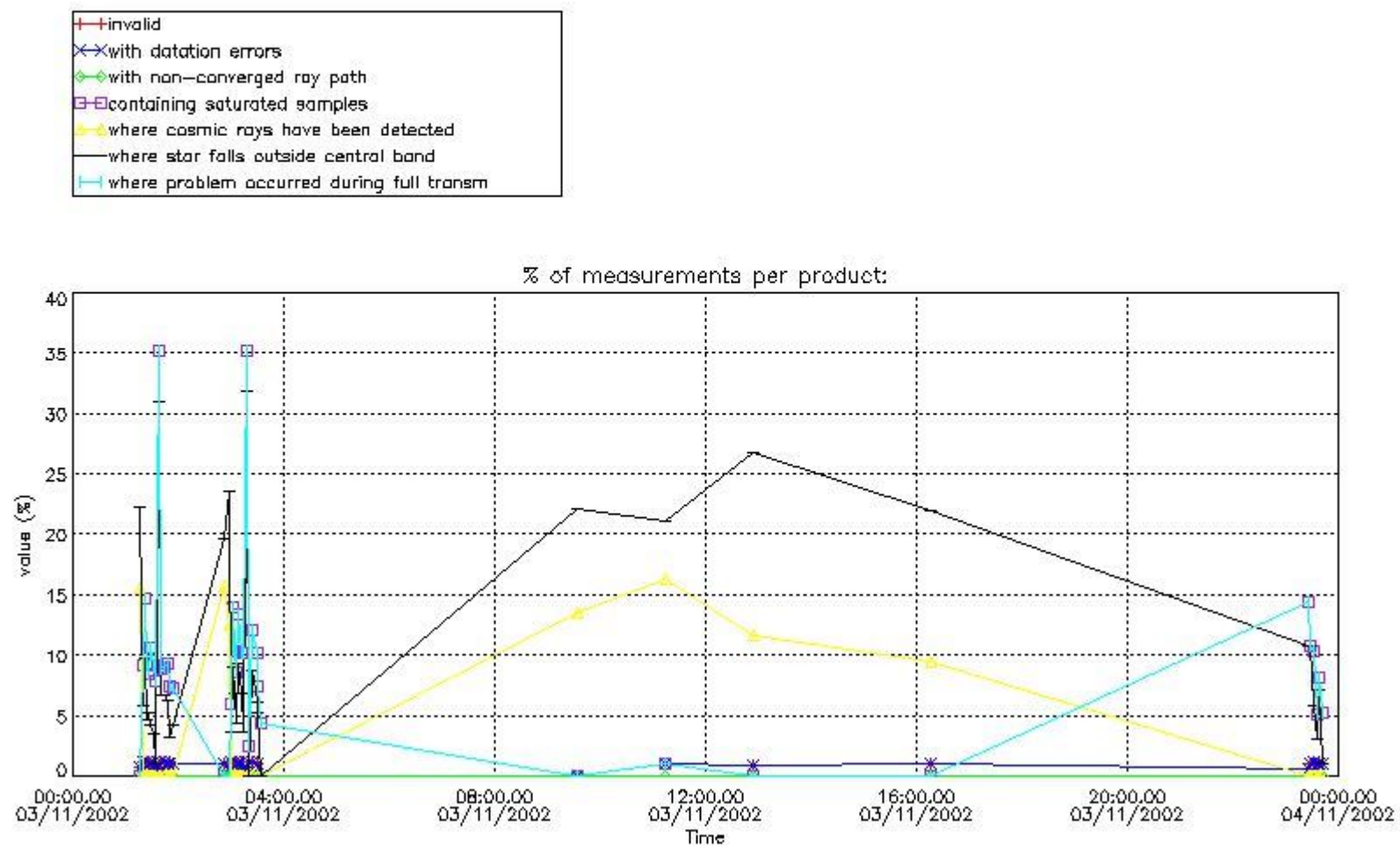
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



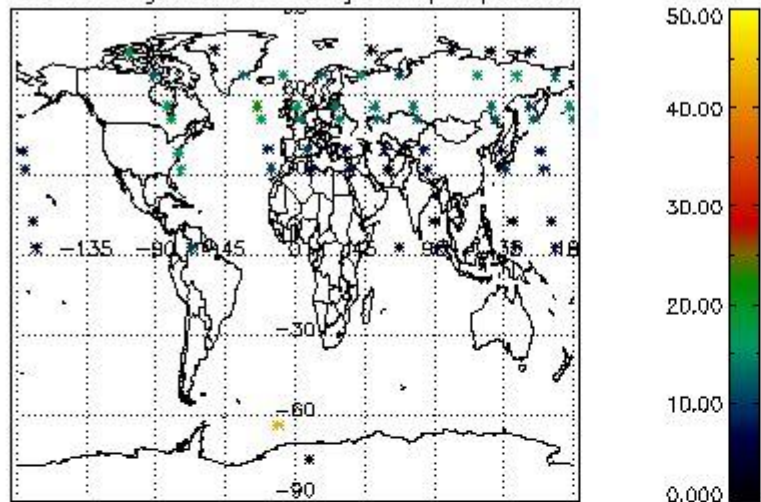
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



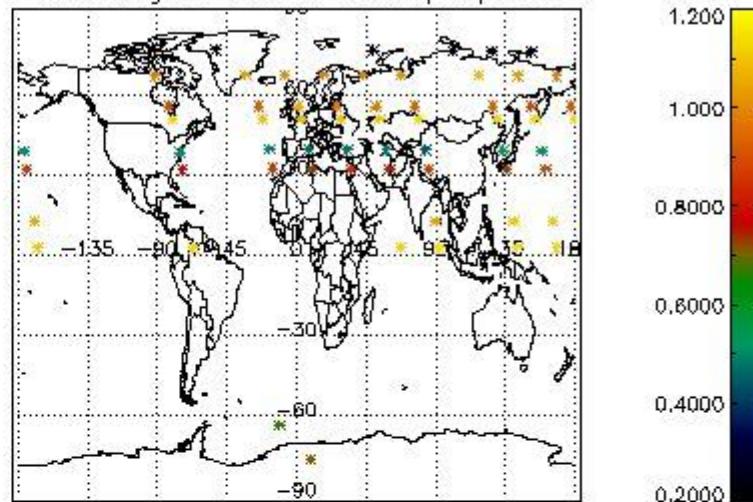
4.2 Plot quality information per product coming from level 1b processing (world map)

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

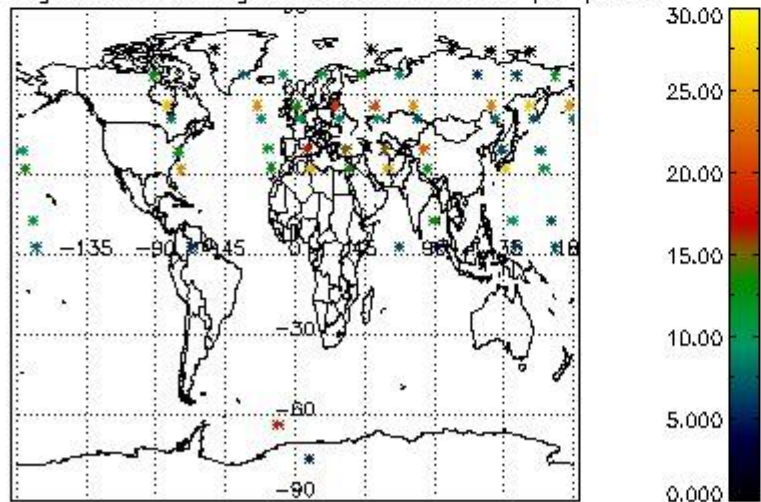
Percentage of cosmic ray hits per profile



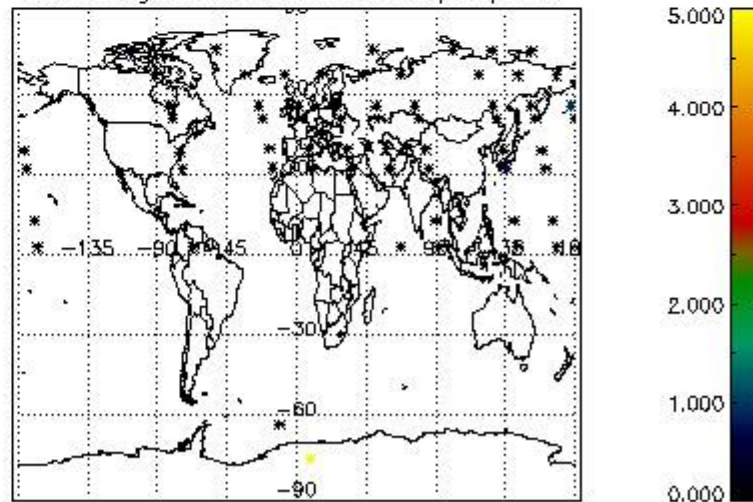
Percentage of datation errors per profile



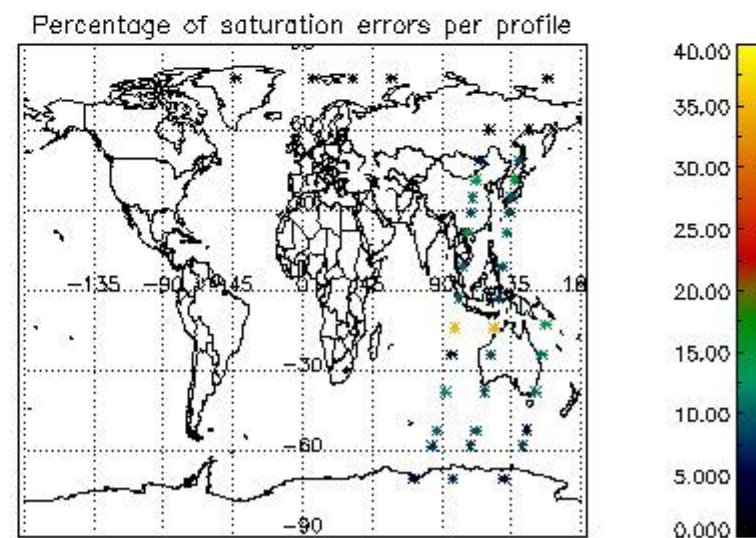
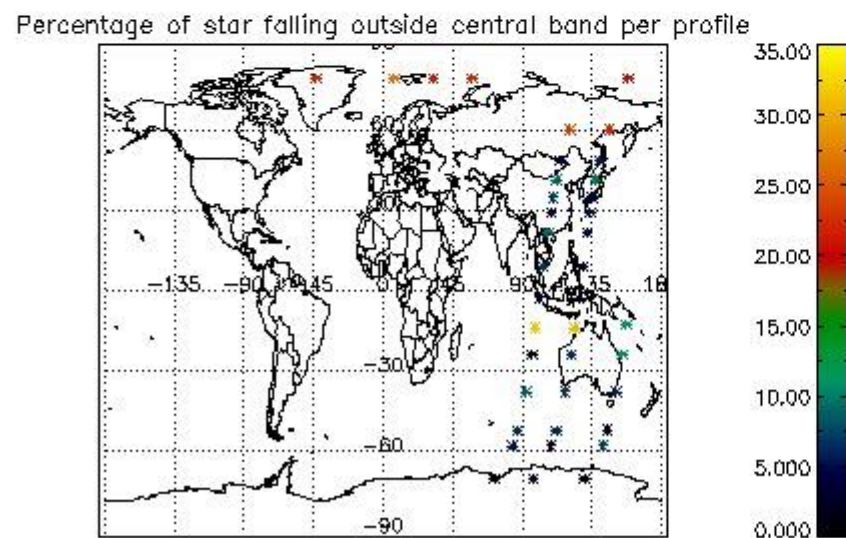
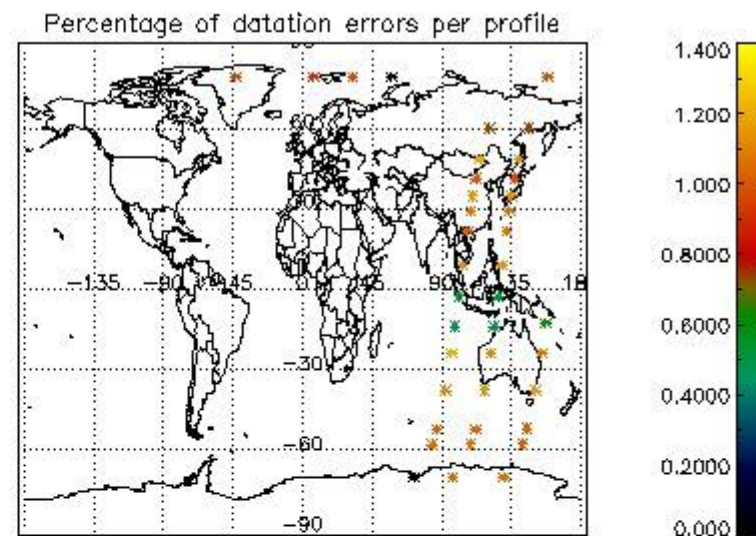
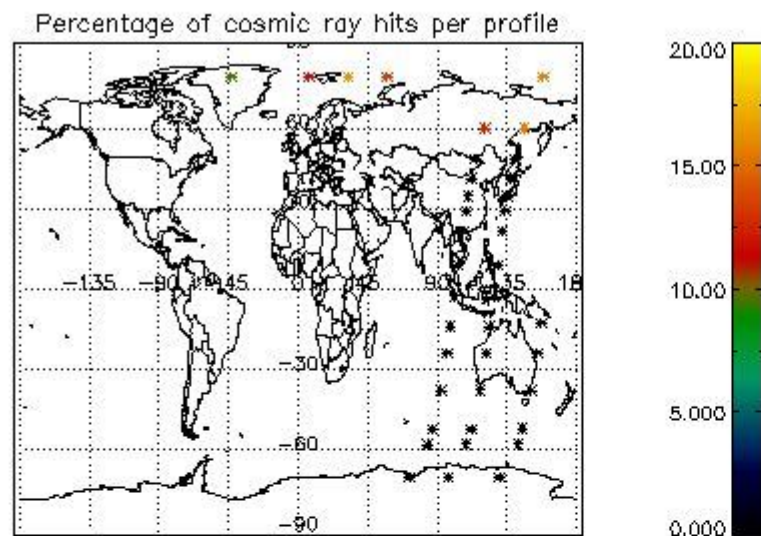
Percentage of star falling outside central band per profile



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

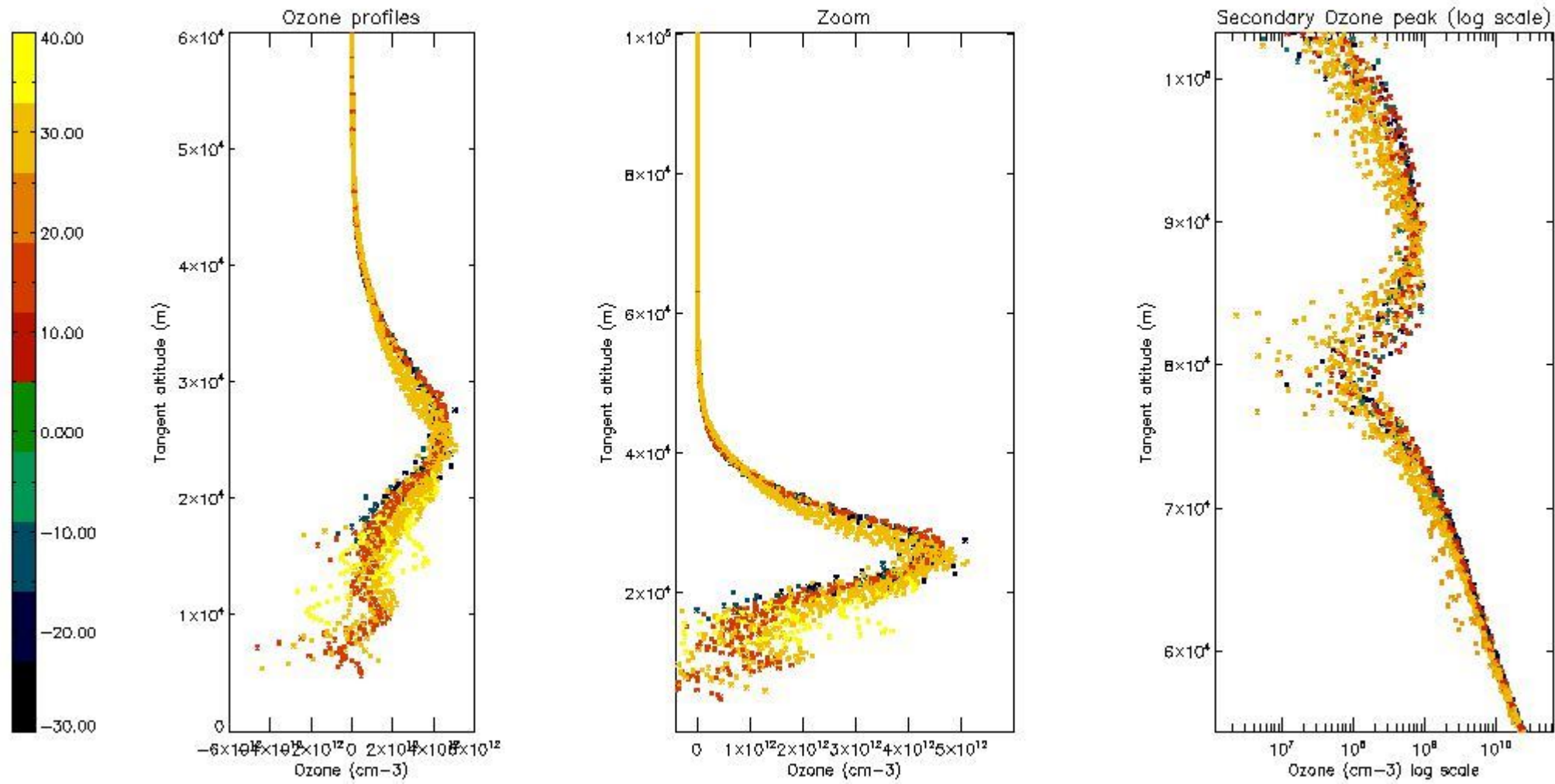
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	26

STD < 10	23
STD < 5	18

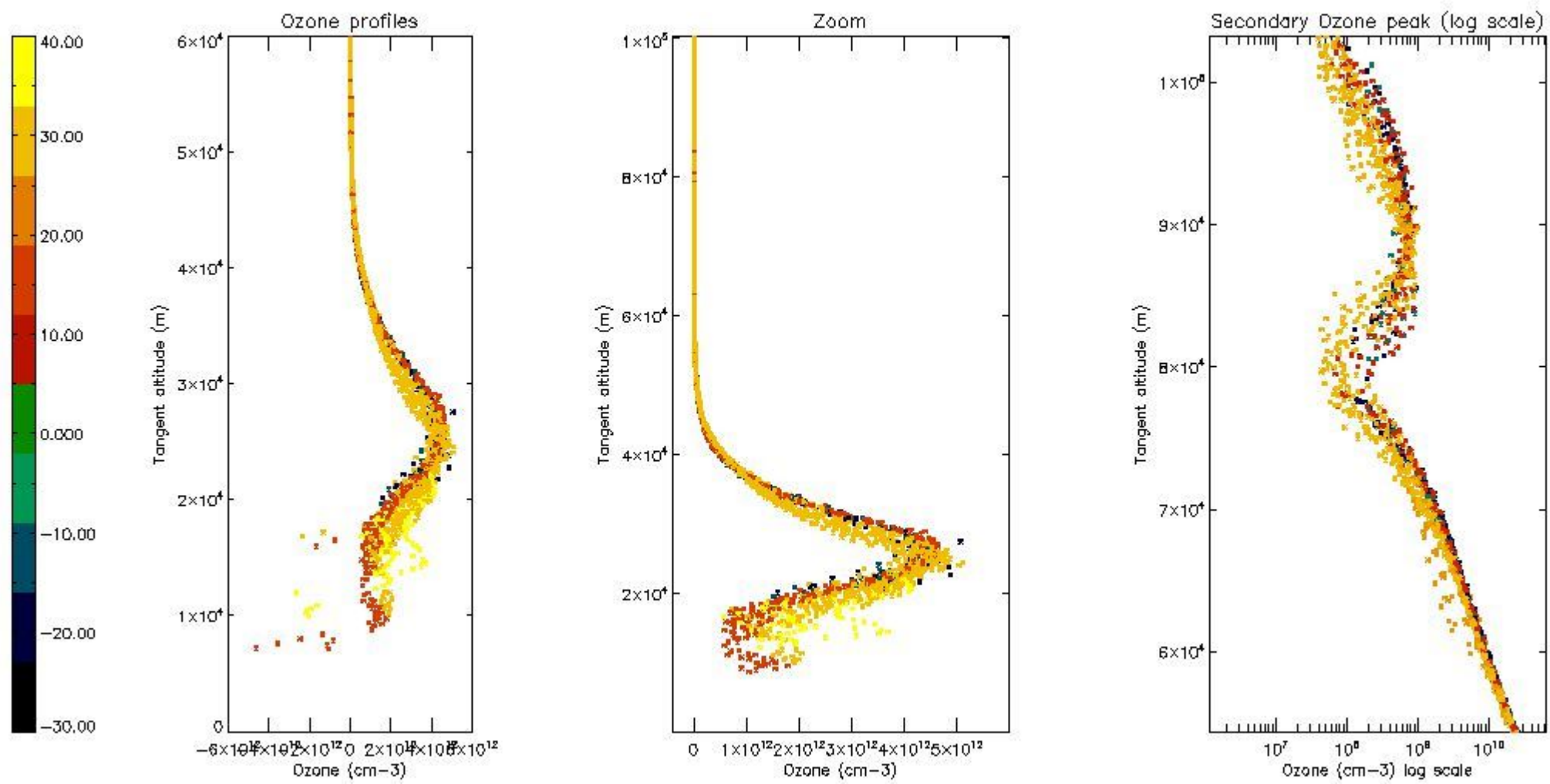
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



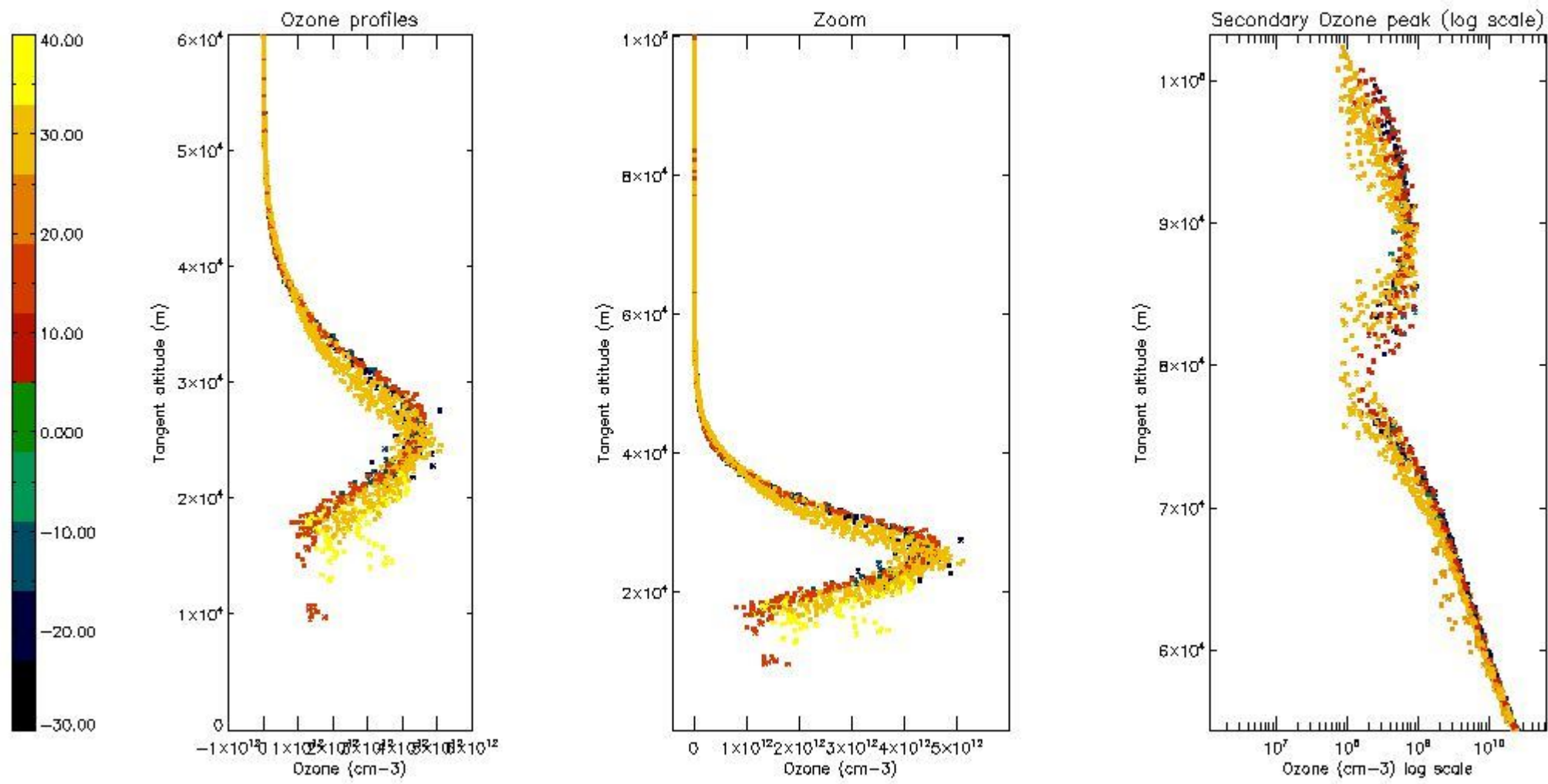
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



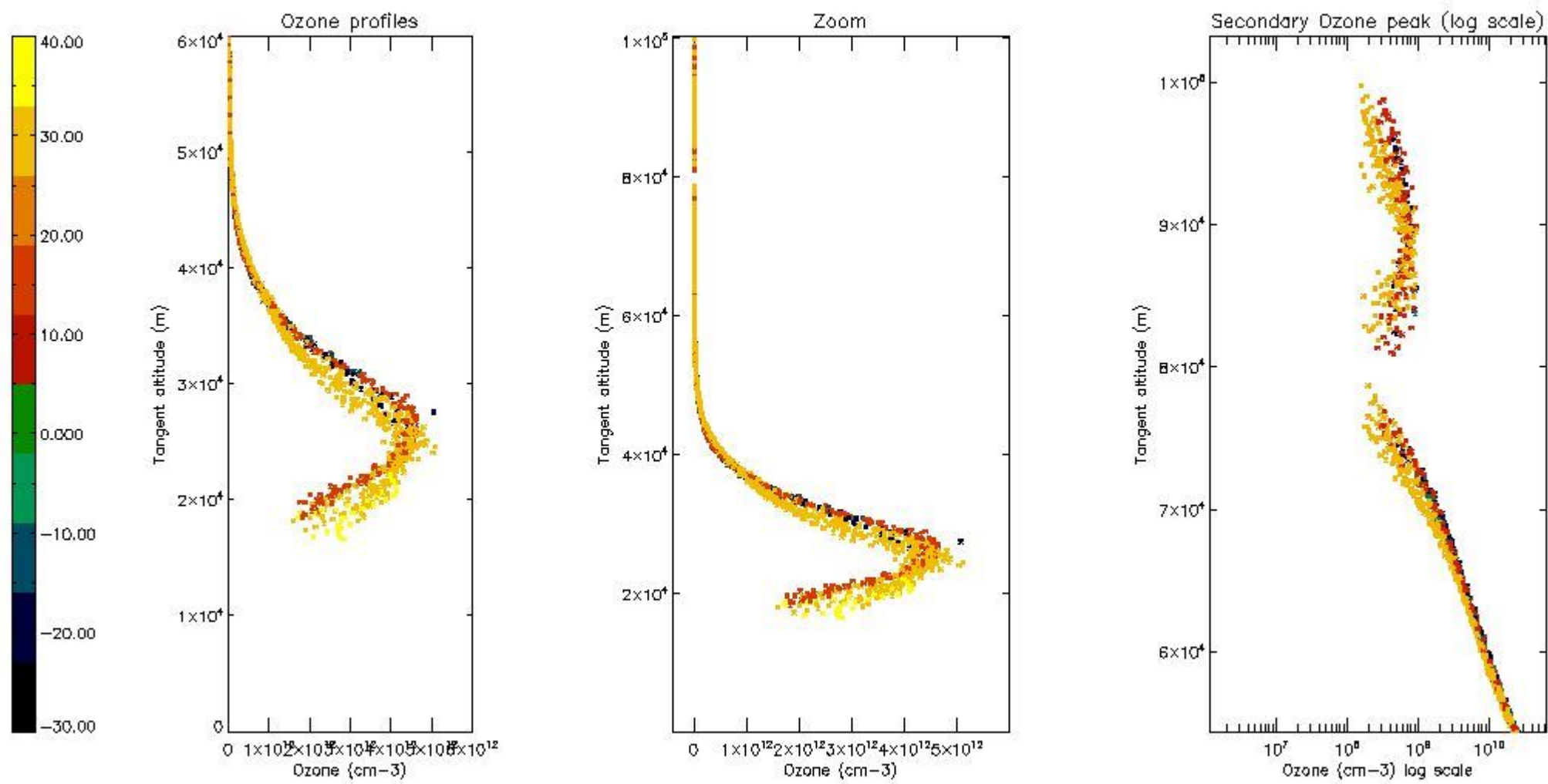
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



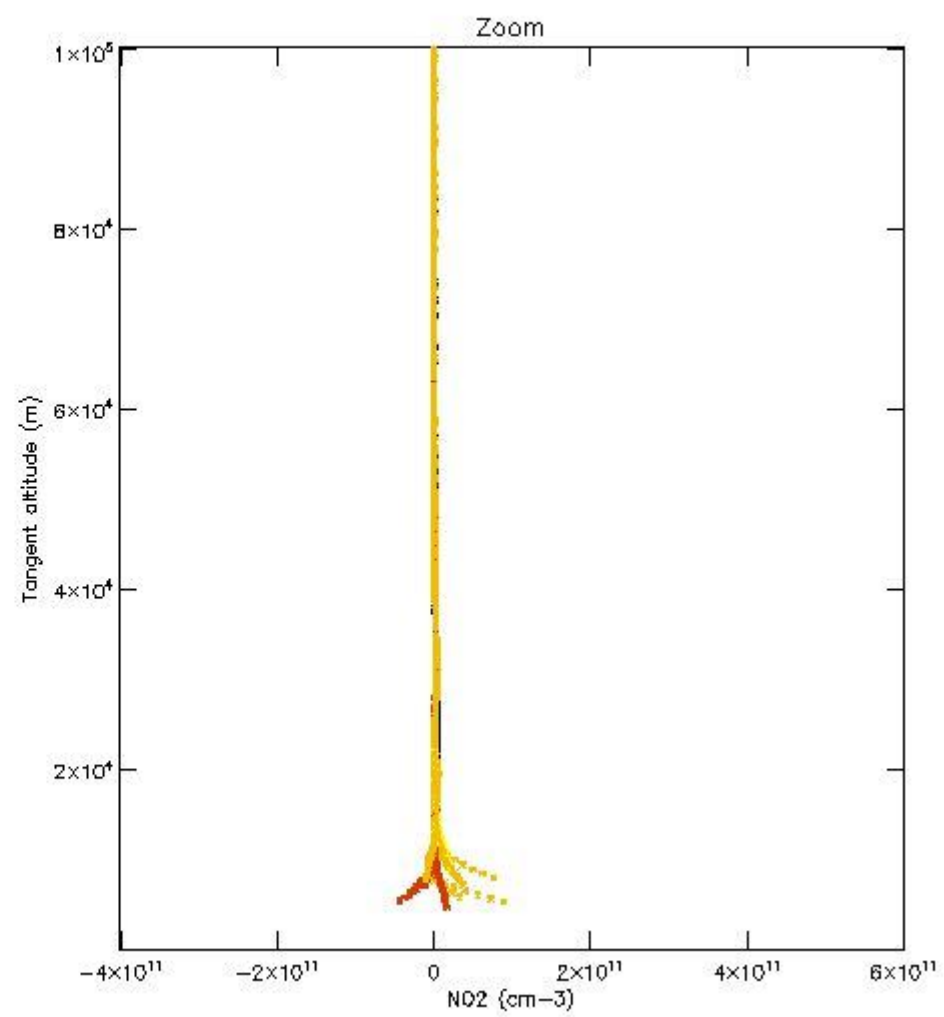
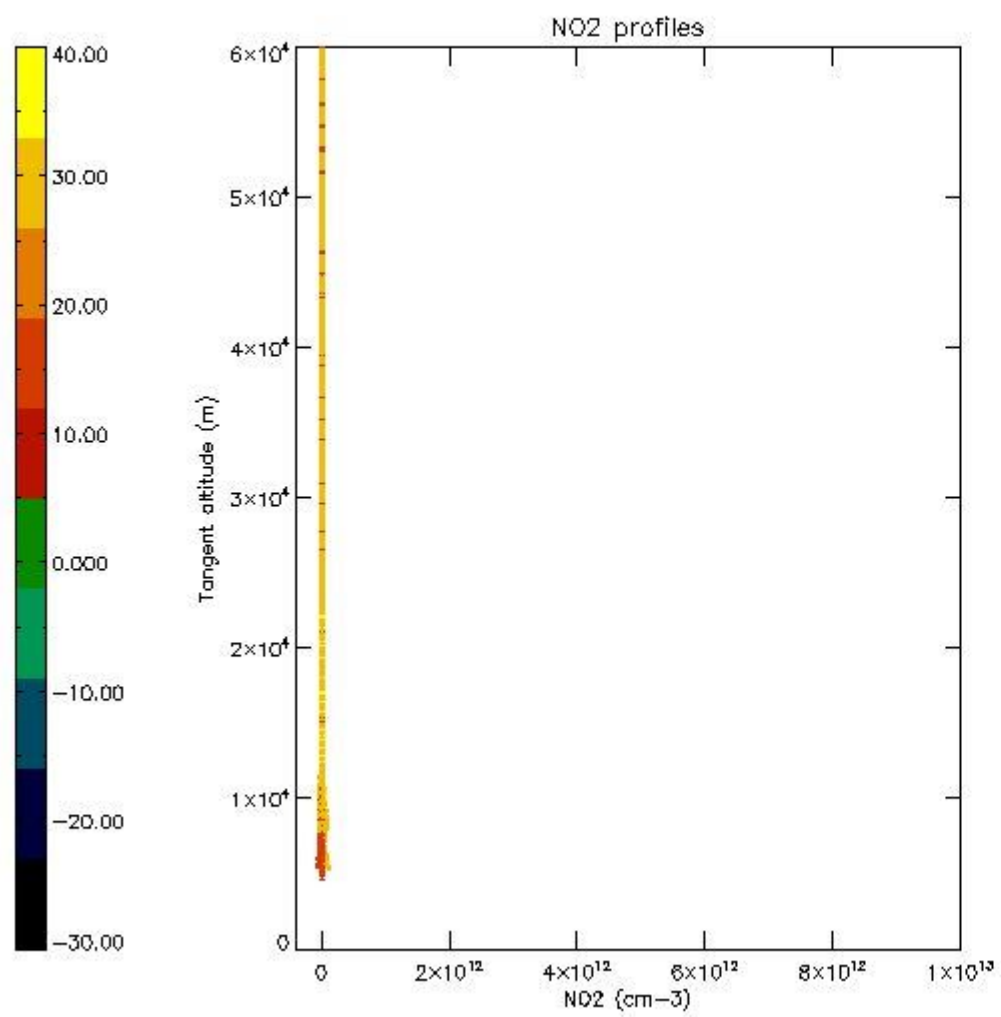
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



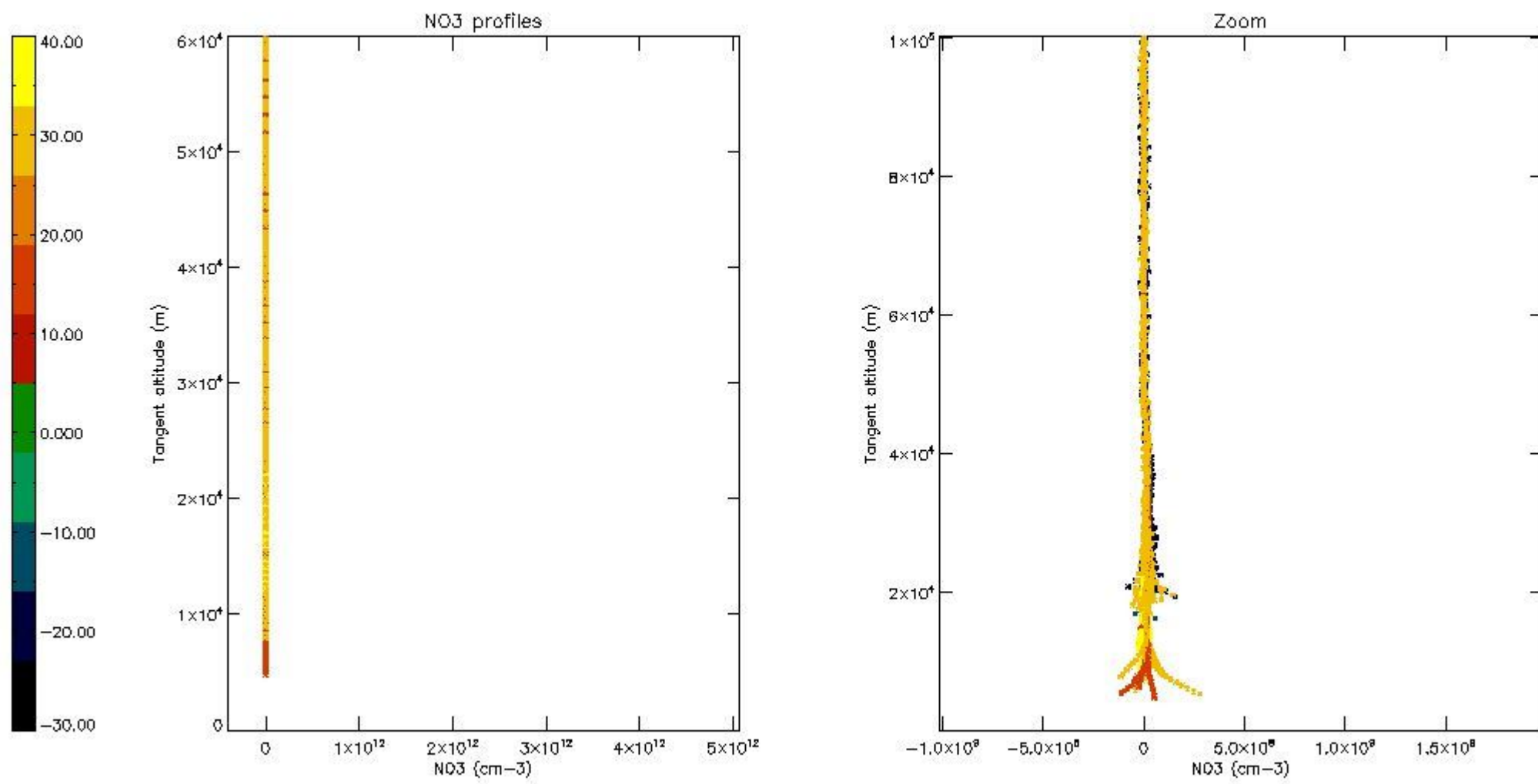
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



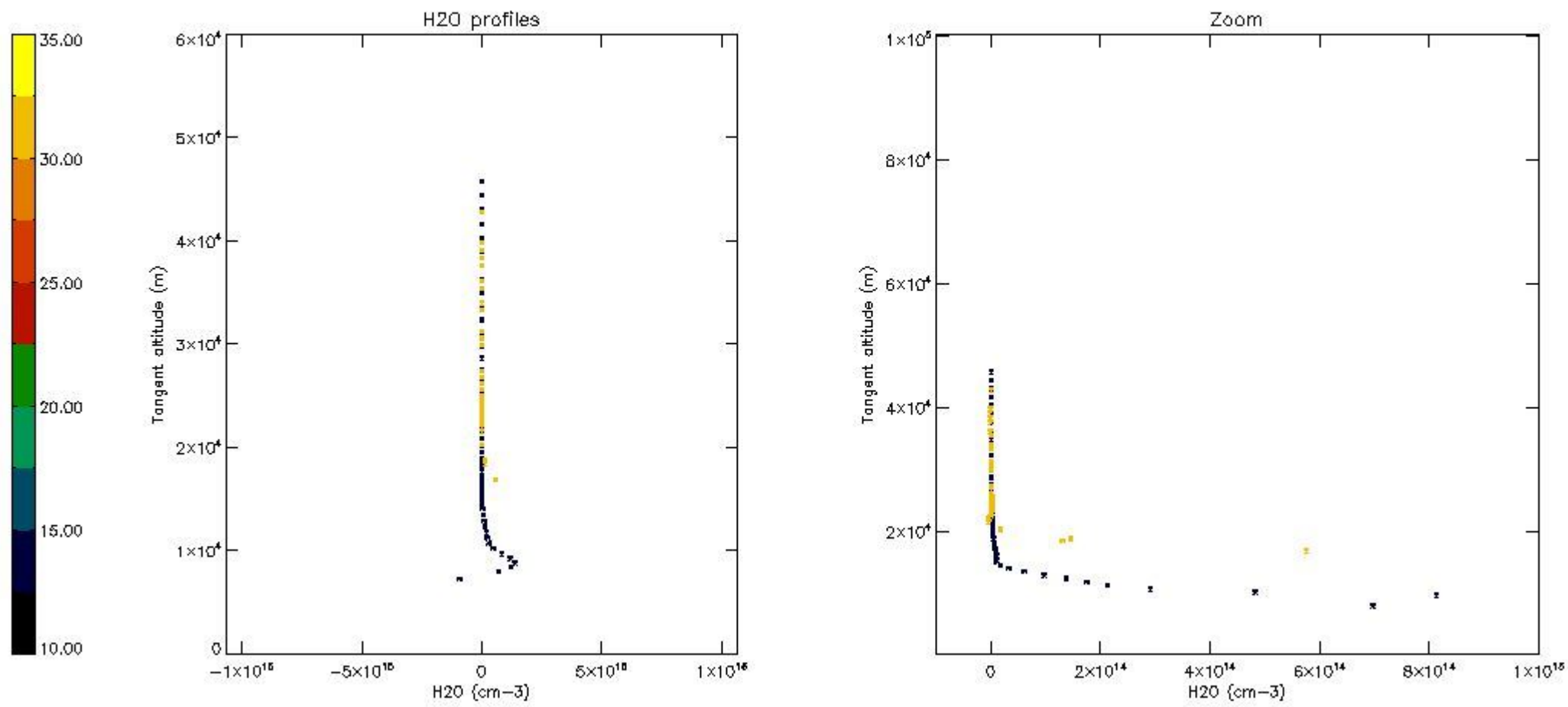
5.7 Plot NO3 profiles for all STD (dark without errors)

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_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	03-NOV-2002 01:16:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-NOV-2002 01:16:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-NOV-2002 01:16:39

GOMOS Level 2 Daily Report

SUMMARY

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[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](#)

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

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

Item	Value
Time of report generation	17APR2013 19:54:55
Data source version	GOMOS/6.01
Start time of products	03-11-2002 (03NOV2002 00:00:00)
Stop time of products	04-11-2002 (04NOV2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	102
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

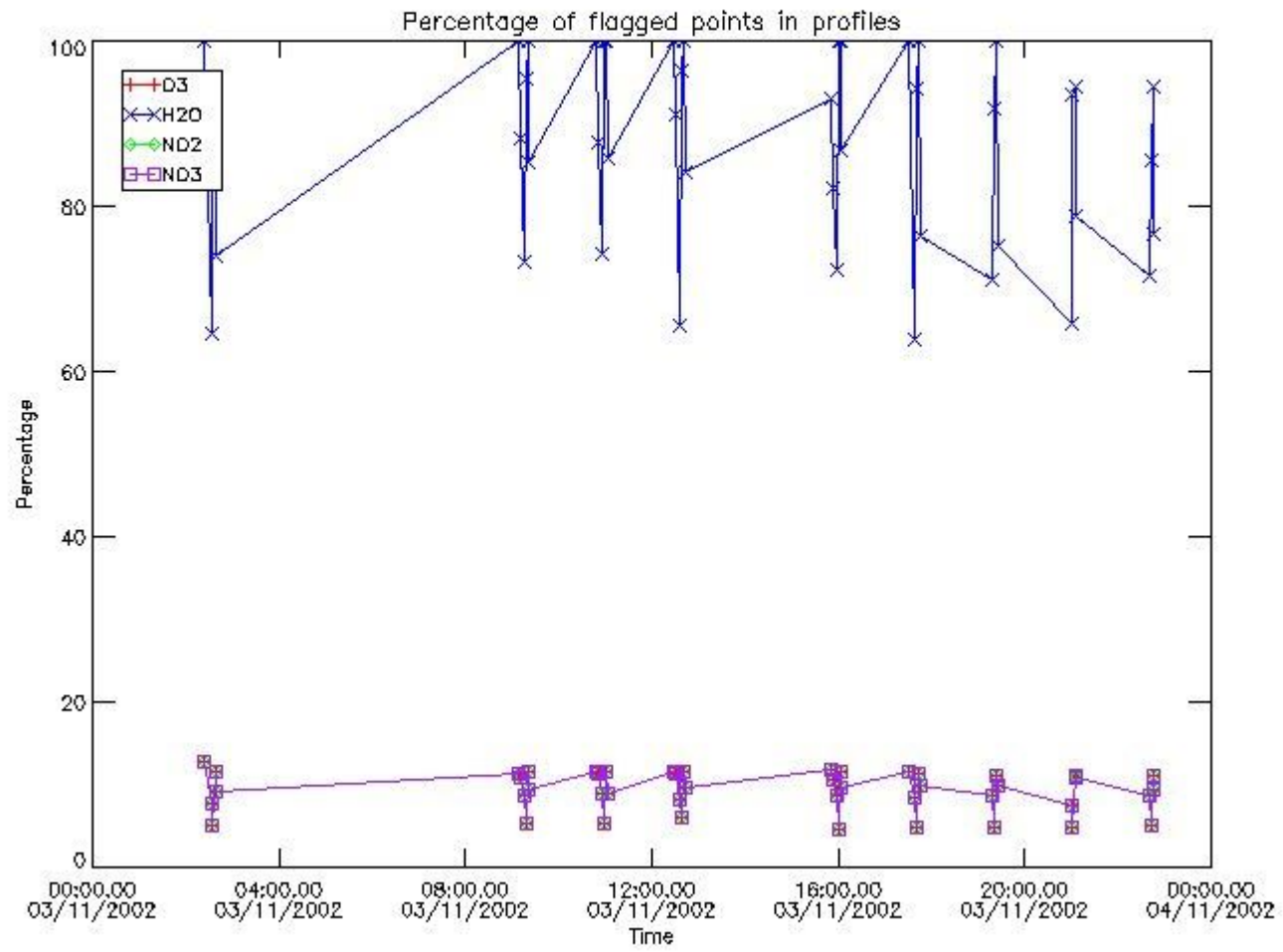
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20021103_011639_000000682010_00475_03535_9350.N1	03-NOV-2002 01:16:39	Twilight	67.500	94	92Alp Cet	2.5260	3100.0	135	3535	No
2	GOM_NL__2PRFIN20021103_011959_000000442010_00475_03535_9351.N1	03-NOV-2002 01:19:59	Bright	43.500	140	88Gam Peg	2.8340	26000.0	87	3535	No
3	GOM_NL__2PRFIN20021103_012200_000000512010_00475_03535_9352.N1	03-NOV-2002 01:22:00	Bright	51.000	50	13Alp Ari	2.0070	4250.0	102	3535	No
4	GOM_NL__2PRFIN20021103_012350_000000442010_00475_03535_9353.N1	03-NOV-2002 01:23:50	Bright	43.500	58	21Alp And	2.0730	11000.0	87	3535	No
5	GOM_NL__2PRFIN20021103_012527_000000482010_00475_03535_9354.N1	03-NOV-2002 01:25:27	Bright	47.500	173	4Bet Tri	3.0040	8900.0	95	3535	No
6	GOM_NL__2PRFIN20021103_012730_000000472010_00475_03535_9355.N1	03-NOV-2002 01:27:30	Bright	47.000	73	57Gam1And	2.2600	13100.0	94	3535	No
7	GOM_NL__2PRFIN20021103_013105_000000442010_00475_03535_9356.N1	03-NOV-2002 01:31:05	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	3535	No
8	GOM_NL__2PRFIN20021103_013424_000000962010_00475_03535_9357.N1	03-NOV-2002 01:34:24	Bright	95.500	114	3Iot Aur	2.6930	4600.0	191	3535	No
9	GOM_NL__2PRFIN20021103_013732_000001052010_00475_03535_9358.N1	03-NOV-2002 01:37:32	Bright	105.000	6	13Alp Aur	0.080000	3400.0	210	3535	No
10	GOM_NL__2PRFIN20021103_014019_000000452010_00475_03535_9359.N1	03-NOV-2002 01:40:19	Bright	45.000	49	1Alp UMi	1.9900	6300.0	90	3535	No
11	GOM_NL__2PRFIN20021103_014415_000000452010_00475_03535_9360.N1	03-NOV-2002 01:44:15	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	3535	No
12	GOM_NL__2PRFIN20021103_014824_000000492010_00475_03535_9361.N1	03-NOV-2002 01:48:24	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	3535	No
13	GOM_NL__2PRFIN20021103_015002_000000472010_00475_03535_9362.N1	03-NOV-2002 01:50:02	Bright	47.000	82	48Bet UMa	2.3650	10600.0	94	3535	No
14	GOM_NL__2PRFIN20021103_015345_000000482010_00475_03535_9363.N1	03-NOV-2002 01:53:45	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	3535	No
15	GOM_NL__2PRFIN20021103_022445_000000442010_00476_03536_9394.N1	03-NOV-2002 02:24:45	Dark	44.000	124	The Car	2.7640	30000.0	88	3536	No
16	GOM_NL__2PRFIN20021103_023257_000000662010_00476_03536_9395.N1	03-NOV-2002 02:32:57	Dark	65.500	2	Alp Car	-0.73600	7000.0	131	3536	No
17	GOM_NL__2PRFIN20021103_023448_000000992010_00476_03536_9396.N1	03-NOV-2002 02:34:48	Dark	99.000	23	21Eps CMa	1.5020	26000.0	198	3536	No
18	GOM_NL__2PRFIN20021103_023819_000000452010_00476_03536_9397.N1	03-NOV-2002 02:38:19	Dark	44.500	143	Alp Hyi	2.8570	7200.0	89	3536	No
19	GOM_NL__2PRFIN20021103_023941_000000562010_00476_03536_9398.N1	03-NOV-2002 02:39:41	Dark	56.000	9	Alp Eri	0.45300	24000.0	112	3536	No
20	GOM_NL__2PRFIN20021103_024303_000000512010_00476_03536_9399.N1	03-NOV-2002 02:43:03	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	3536	No
21	GOM_NL__2PRFIN20021103_024551_000002162010_00476_03536_9400.N1	03-NOV-2002 02:45:51	Straylight	216.000	47	2Bet CMa	1.9760	28000.0	432	3536	No
22	GOM_NL__2PRFIN20021103_025103_000000512010_00476_03536_9401.N1	03-NOV-2002 02:51:03	Straylight	51.000	52	16Bet Cet	2.0370	4500.0	102	3536	No
23	GOM_NL__2PRFIN20021103_025714_000000682010_00476_03536_9402.N1	03-NOV-2002 02:57:14	Twilight	68.000	94	92Alp Cet	2.5260	3100.0	136	3536	No
24	GOM_NL__2PRFIN20021103_030035_000000422010_00476_03536_9403.N1	03-NOV-2002 03:00:35	Bright	42.000	140	88Gam Peg	2.8340	26000.0	84	3536	No
25	GOM_NL__2PRFIN20021103_030236_000000502010_00476_03536_9404.N1	03-NOV-2002 03:02:36	Bright	50.000	50	13Alp Ari	2.0070	4250.0	100	3536	No
26	GOM_NL__2PRFIN20021103_030426_000000442010_00476_03536_9405.N1	03-NOV-2002 03:04:26	Bright	43.500	58	21Alp And	2.0730	11000.0	87	3536	No
27	GOM_NL__2PRFIN20021103_030603_000000472010_00476_03536_9406.N1	03-NOV-2002 03:06:03	Bright	46.500	173	4Bet Tri	3.0040	8900.0	93	3536	No
28	GOM_NL__2PRFIN20021103_030806_000000492010_00476_03536_9407.N1	03-NOV-2002 03:08:06	Bright	48.500	73	57Gam1And	2.2600	13100.0	97	3536	No
29	GOM_NL__2PRFIN20021103_031141_000000442010_00476_03536_9408.N1	03-NOV-2002 03:11:41	Bright	44.000	68	18Alp Cas	2.2250	4500.0	88	3536	No
30	GOM_NL__2PRFIN20021103_031458_000000982010_00476_03536_9409.N1	03-NOV-2002 03:14:58	Bright	98.000	114	3Iot Aur	2.6930	4600.0	196	3536	No
31	GOM_NL__2PRFIN20021103_031807_000001052010_00476_03536_9410.N1	03-NOV-2002 03:18:07	Bright	105.000	6	13Alp Aur	0.080000	3400.0	210	3536	No
32	GOM_NL__2PRFIN20021103_032055_000000422010_00476_03536_9411.N1	03-NOV-2002 03:20:55	Bright	41.500	49	1Alp UMi	1.9900	6300.0	83	3536	No
33	GOM_NL__2PRFIN20021103_032451_000000462010_00476_03536_9412.N1	03-NOV-2002 03:24:51	Bright	45.500	60	7Bet UMi	2.0810	3950.0	91	3536	No
34	GOM_NL__2PRFIN20021103_032900_000000492010_00476_03536_9413.N1	03-NOV-2002 03:29:00	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	3536	No
35	GOM_NL__2PRFIN20021103_033038_000000482010_00476_03536_9414.N1	03-NOV-2002 03:30:38	Bright	47.500	82	48Bet UMa	2.3650	10600.0	95	3536	No
36	GOM_NL__2PRFIN20021103_033421_000000462010_00476_03536_9415.N1	03-NOV-2002 03:34:21	Bright	46.000	174	52Psi UMa	3.0040	4400.0	92	3536	No
37	GOM_NL__2PRFIN20021103_090710_000000452010_00480_03540_9397.N1	03-NOV-2002 09:07:10	Dark	45.000	124	The Car	2.7640	30000.0	90	3540	No
38	GOM_NL__2PRFIN20021103_090956_000000482010_00480_03540_9398.N1	03-NOV-2002 09:09:56	Dark	47.500	29	Bet Car	1.6720	10200.0	95	3540	No
39	GOM_NL__2PRFIN20021103_091523_000000592010_00480_03540_9399.N1	03-NOV-2002 09:15:23	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3540	No
40	GOM_NL__2PRFIN20021103_091719_000000982010_00480_03540_9400.N1	03-NOV-2002 09:17:19	Dark	98.000	23	21Eps CMa	1.5020	26000.0	196	3540	No
41	GOM_NL__2PRFIN20021103_092043_000000452010_00480_03540_9401.N1	03-NOV-2002 09:20:43	Dark	44.500	143	Alp Hyi	2.8570	7200.0	89	3540	No
42	GOM_NL__2PRFIN20021103_092206_000000552010_00480_03540_9402.N1	03-NOV-2002 09:22:06	Dark	54.500	9	Alp Eri	0.45300	24000.0	109	3540	No

43	GOM_NL_2PRFIN20021103_092526_00000512010_00480_03540_9403.N1	03-NOV-2002 09:25:26	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	3540	No
44	GOM_NL_2PRFIN20021103_092819_000002192010_00480_03540_9404.N1	03-NOV-2002 09:28:19	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3540	No
45	GOM_NL_2PRFIN20021103_093327_00000522010_00480_03540_9405.N1	03-NOV-2002 09:33:27	Straylight	52.000	52	16Bet Cet	2.0370	4500.0	104	3540	No
46	GOM_NL_2PRFIN20021103_104746_00000452010_00481_03541_9397.N1	03-NOV-2002 10:47:46	Dark	44.500	124	The Car	2.7640	30000.	89	3541	No
47	GOM_NL_2PRFIN20021103_105032_00000452010_00481_03541_9398.N1	03-NOV-2002 10:50:32	Dark	45.000	29	Bet Car	1.6720	10200.	90	3541	No
48	GOM_NL_2PRFIN20021103_105600_00000572010_00481_03541_9399.N1	03-NOV-2002 10:56:00	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	3541	No
49	GOM_NL_2PRFIN20021103_105757_000000952010_00481_03541_9400.N1	03-NOV-2002 10:57:57	Dark	95.000	23	21Eps CMa	1.5020	26000.	190	3541	No
50	GOM_NL_2PRFIN20021103_110119_00000442010_00481_03541_9401.N1	03-NOV-2002 11:01:19	Dark	44.000	143	Alp Hyi	2.8570	7200.0	88	3541	No
51	GOM_NL_2PRFIN20021103_110242_00000572010_00481_03541_9402.N1	03-NOV-2002 11:02:42	Dark	56.500	9	Alp Eri	0.45300	24000.	113	3541	No
52	GOM_NL_2PRFIN20021103_110603_00000492010_00481_03541_9403.N1	03-NOV-2002 11:06:03	Straylight	48.500	157	The1Eri	2.9060	9300.0	97	3541	No
53	GOM_NL_2PRFIN20021103_110857_000002192010_00481_03541_9404.N1	03-NOV-2002 11:08:57	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3541	No
54	GOM_NL_2PRFIN20021103_111403_00000522010_00481_03541_9405.N1	03-NOV-2002 11:14:03	Straylight	52.000	52	16Bet Cet	2.0370	4500.0	104	3541	No
55	GOM_NL_2PRFIN20021103_122823_00000442010_00482_03542_9417.N1	03-NOV-2002 12:28:23	Dark	44.000	124	The Car	2.7640	30000.	88	3542	No
56	GOM_NL_2PRFIN20021103_123109_00000452010_00482_03542_9418.N1	03-NOV-2002 12:31:09	Dark	45.000	29	Bet Car	1.6720	10200.	90	3542	No
57	GOM_NL_2PRFIN20021103_123637_00000692010_00482_03542_9419.N1	03-NOV-2002 12:36:37	Dark	68.500	2	Alp Car	-0.73600	7000.0	137	3542	No
58	GOM_NL_2PRFIN20021103_123834_000000952010_00482_03542_9420.N1	03-NOV-2002 12:38:34	Dark	94.500	23	21Eps CMa	1.5020	26000.	189	3542	No
59	GOM_NL_2PRFIN20021103_124155_00000452010_00482_03542_9421.N1	03-NOV-2002 12:41:55	Dark	44.500	143	Alp Hyi	2.8570	7200.0	89	3542	No
60	GOM_NL_2PRFIN20021103_124318_00000542010_00482_03542_9422.N1	03-NOV-2002 12:43:18	Dark	53.500	9	Alp Eri	0.45300	24000.	107	3542	No
61	GOM_NL_2PRFIN20021103_124641_00000462010_00482_03542_9423.N1	03-NOV-2002 12:46:41	Straylight	46.000	157	The1Eri	2.9060	9300.0	92	3542	No
62	GOM_NL_2PRFIN20021103_124935_000002192010_00482_03542_9424.N1	03-NOV-2002 12:49:35	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3542	No
63	GOM_NL_2PRFIN20021103_125439_00000562010_00482_03542_9425.N1	03-NOV-2002 12:54:39	Straylight	56.000	52	16Bet Cet	2.0370	4500.0	112	3542	No
64	GOM_NL_2PRFIN20021103_154935_00000442010_00484_03544_9417.N1	03-NOV-2002 15:49:35	Dark	43.500	124	The Car	2.7640	30000.	87	3544	No
65	GOM_NL_2PRFIN20021103_155221_00000482010_00484_03544_9418.N1	03-NOV-2002 15:52:21	Dark	48.000	29	Bet Car	1.6720	10200.	96	3544	No
66	GOM_NL_2PRFIN20021103_155749_00000582010_00484_03544_9419.N1	03-NOV-2002 15:57:49	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	3544	No
67	GOM_NL_2PRFIN20021103_155949_000001132010_00484_03544_9420.N1	03-NOV-2002 15:59:49	Dark	113.00	23	21Eps CMa	1.5020	26000.	226	3544	No
68	GOM_NL_2PRFIN20021103_160307_00000442010_00484_03544_9421.N1	03-NOV-2002 16:03:07	Dark	44.000	143	Alp Hyi	2.8570	7200.0	88	3544	No
69	GOM_NL_2PRFIN20021103_160430_00000542010_00484_03544_9422.N1	03-NOV-2002 16:04:30	Dark	53.500	9	Alp Eri	0.45300	24000.	107	3544	No
70	GOM_NL_2PRFIN20021103_160752_00000502010_00484_03544_9423.N1	03-NOV-2002 16:07:52	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	3544	No
71	GOM_NL_2PRFIN20021103_161051_000002192010_00484_03544_9424.N1	03-NOV-2002 16:10:51	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3544	No
72	GOM_NL_2PRFIN20021103_161552_00000532010_00484_03544_9425.N1	03-NOV-2002 16:15:52	Straylight	52.500	52	16Bet Cet	2.0370	4500.0	105	3544	No
73	GOM_NL_2PRFIN20021103_173011_00000452010_00485_03545_9417.N1	03-NOV-2002 17:30:11	Dark	44.500	124	The Car	2.7640	30000.	89	3545	No
74	GOM_NL_2PRFIN20021103_173826_00000672010_00485_03545_9418.N1	03-NOV-2002 17:38:26	Dark	67.000	2	Alp Car	-0.73600	7000.0	134	3545	No
75	GOM_NL_2PRFIN20021103_174027_000001052010_00485_03545_9419.N1	03-NOV-2002 17:40:27	Dark	104.50	23	21Eps CMa	1.5020	26000.	209	3545	No
76	GOM_NL_2PRFIN20021103_174343_00000452010_00485_03545_9420.N1	03-NOV-2002 17:43:43	Dark	45.000	143	Alp Hyi	2.8570	7200.0	90	3545	No
77	GOM_NL_2PRFIN20021103_174506_00000522010_00485_03545_9421.N1	03-NOV-2002 17:45:06	Dark	51.500	9	Alp Eri	0.45300	24000.	103	3545	No
78	GOM_NL_2PRFIN20021103_174829_00000512010_00485_03545_9422.N1	03-NOV-2002 17:48:29	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	3545	No
79	GOM_NL_2PRFIN20021103_191902_00000592010_00486_03546_9417.N1	03-NOV-2002 19:19:02	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	3546	No
80	GOM_NL_2PRFIN20021103_192104_000001062010_00486_03546_9418.N1	03-NOV-2002 19:21:04	Dark	105.50	23	21Eps CMa	1.5020	26000.	211	3546	No
81	GOM_NL_2PRFIN20021103_192419_00000462010_00486_03546_9419.N1	03-NOV-2002 19:24:19	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3546	No
82	GOM_NL_2PRFIN20021103_192542_00000512010_00486_03546_9420.N1	03-NOV-2002 19:25:42	Dark	51.000	9	Alp Eri	0.45300	24000.	102	3546	No
83	GOM_NL_2PRFIN20021103_192905_00000512010_00486_03546_9421.N1	03-NOV-2002 19:29:05	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	3546	No
84	GOM_NL_2PRFIN20021103_205939_00000692010_00487_03547_9417.N1	03-NOV-2002 20:59:39	Dark	69.000	2	Alp Car	-0.73600	7000.0	138	3547	No
85	GOM_NL_2PRFIN20021103_210142_000001082010_00487_03547_9418.N1	03-NOV-2002 21:01:42	Dark	108.00	23	21Eps CMa	1.5020	26000.	216	3547	No
86	GOM_NL_2PRFIN20021103_210456_00000462010_00487_03547_9419.N1	03-NOV-2002 21:04:56	Dark	46.000	143	Alp Hyi	2.8570	7200.0	92	3547	No
87	GOM_NL_2PRFIN20021103_210618_00000482010_00487_03547_9420.N1	03-NOV-2002 21:06:18	Dark	47.500	9	Alp Eri	0.45300	24000.	95	3547	No
88	GOM_NL_2PRFIN20021103_210941_00000502010_00487_03547_9421.N1	03-NOV-2002 21:09:41	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	3547	No
89	GOM_NL_2PRFIN20021103_224016_00000592010_00488_03548_9417.N1	03-NOV-2002 22:40:16	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3548	No
90	GOM_NL_2PRFIN20021103_224220_000001012010_00488_03548_9418.N1	03-NOV-2002 22:42:20	Dark	100.50	23	21Eps CMa	1.5020	26000.	201	3548	No
91	GOM_NL_2PRFIN20021103_224532_00000462010_00488_03548_9419.N1	03-NOV-2002 22:45:32	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3548	No
92	GOM_NL_2PRFIN20021103_224654_00000542010_00488_03548_2862.N1	03-NOV-2002 22:46:54	Dark	54.000	9	Alp Eri	0.45300	24000.	108	3548	No
93	GOM_NL_2PRFIN20021103_225017_00000482010_00488_03548_2863.N1	03-NOV-2002 22:50:17	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	3548	No
94	GOM_NL_2PRFIN20021103_225323_000002192010_00488_03548_2864.N1	03-NOV-2002 22:53:23	Straylight	219.00	1	9Alp CMa	-1.4400	11000.	438	3548	No
95	GOM_NL_2PRFIN20021103_232501_00000802010_00488_03548_2865.N1	03-NOV-2002 23:25:01	Bright	79.500	6	13Alp Aur	0.080000	3400.0	159	3548	No
96	GOM_NL_2PRFIN20021103_232805_00000472010_00488_03548_2866.N1	03-NOV-2002 23:28:05	Bright	46.500	49	1Alp UMi	1.9900	6300.0	93	3548	No
97	GOM_NL_2PRFIN20021103_233204_00000442010_00488_03548_2867.N1	03-NOV-2002 23:32:04	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	3548	No
98	GOM_NL_2PRFIN20021103_233608_00000492010_00488_03548_2868.N1	03-NOV-2002 23:36:08	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	3548	No
99	GOM_NL_2PRFIN20021103_233747_00000502010_00488_03548_2869.N1	03-NOV-2002 23:37:47	Bright	49.500	82	48Bet UMa	2.3650	10600.	99	3548	No
100	GOM_NL_2PRFIN20021103_234131_00000482010_00488_03548_2870.N1	03-NOV-2002 23:41:31	Bright	47.500	174	52Psi UMa	3.0040	4400.0	95	3548	No
101	GOM_NL_2PRFIN20021103_234947_00000712010_00488_03548_2871.N1	03-NOV-2002 23:49:47	Bright	70.500	166	17Eps Leo	2.9800	6000.0	141	3548	No

3. Quality information per product

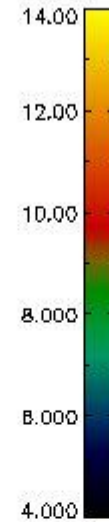
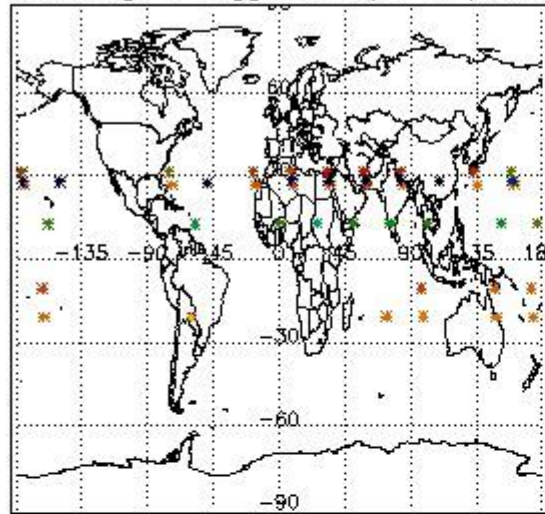
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

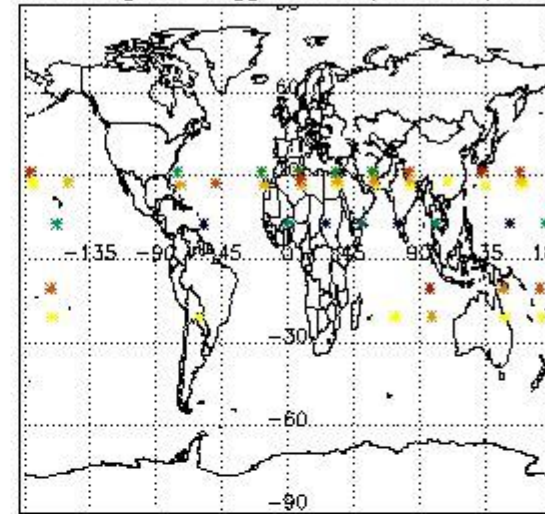


3.2 Plot quality information per product (world map)

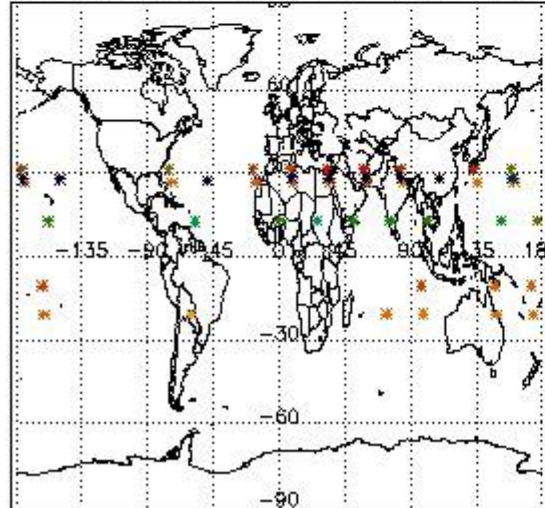
Percentage of flagged data per O3 profile



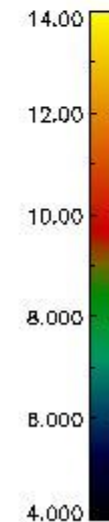
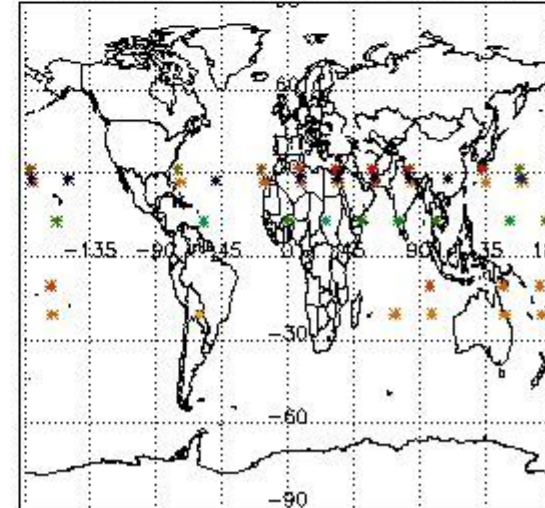
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

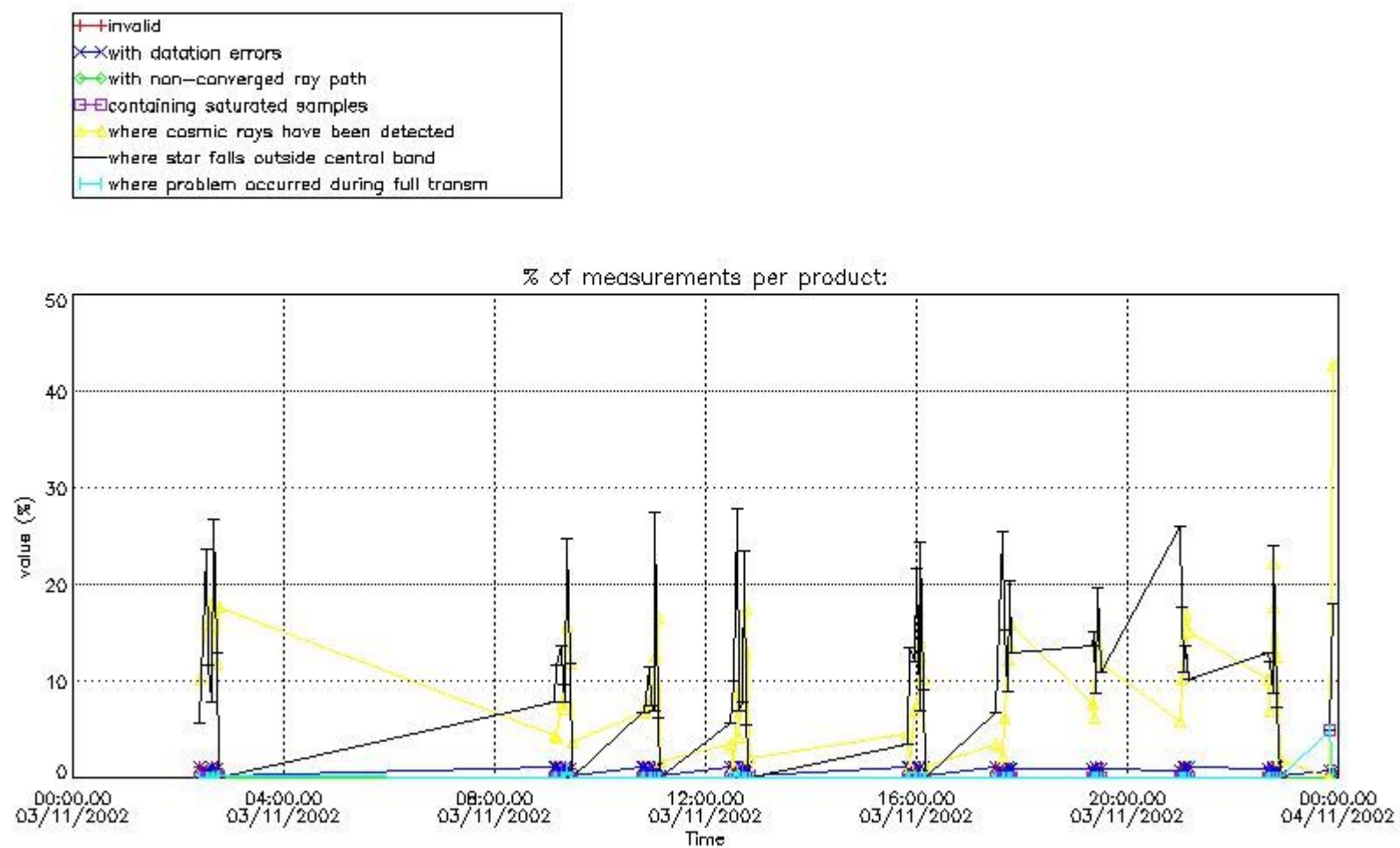


4. Level 1 quality information per product

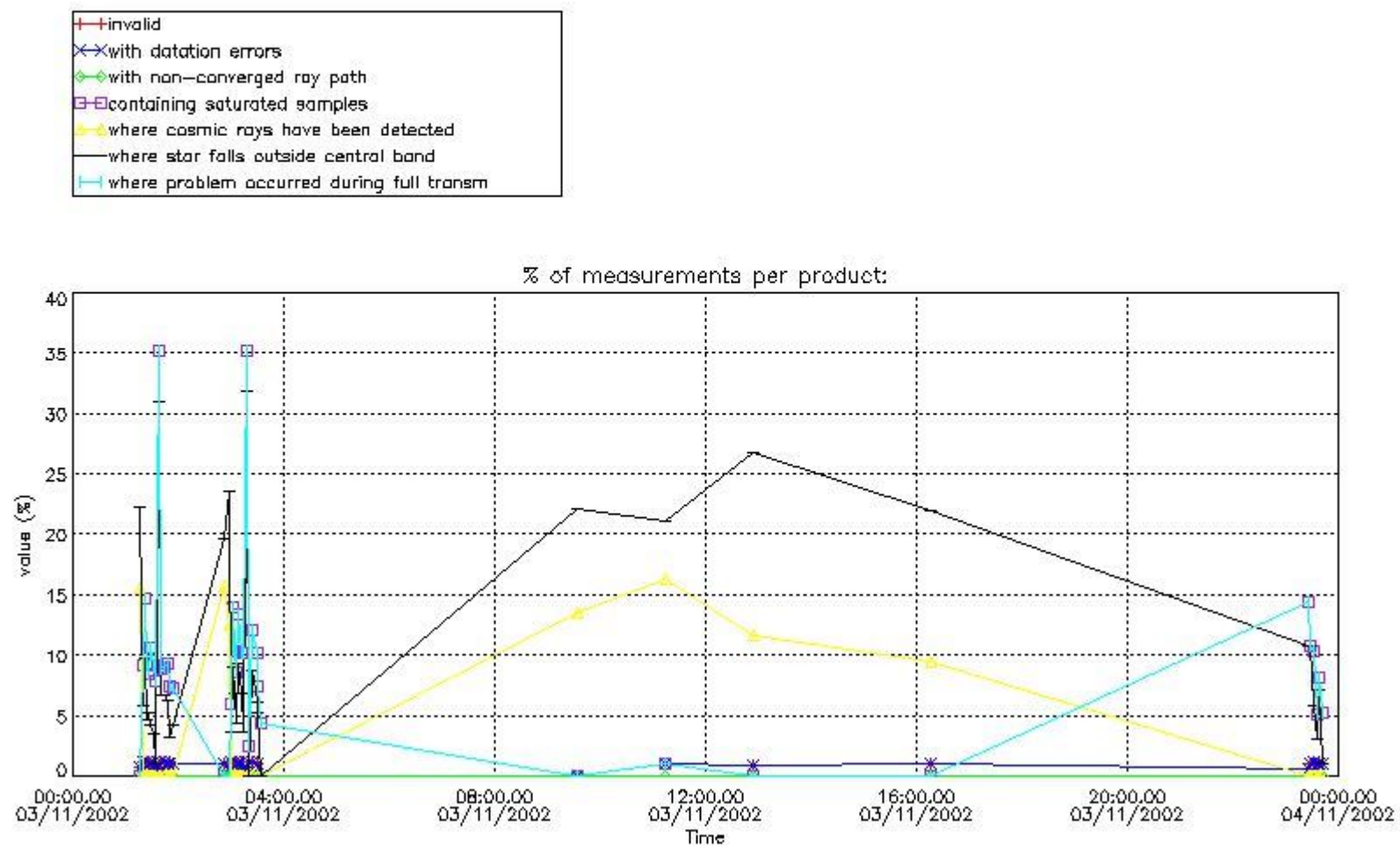
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



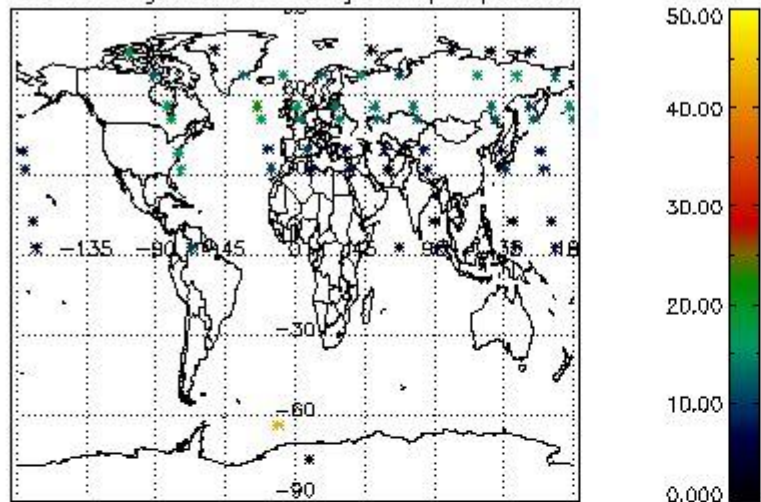
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



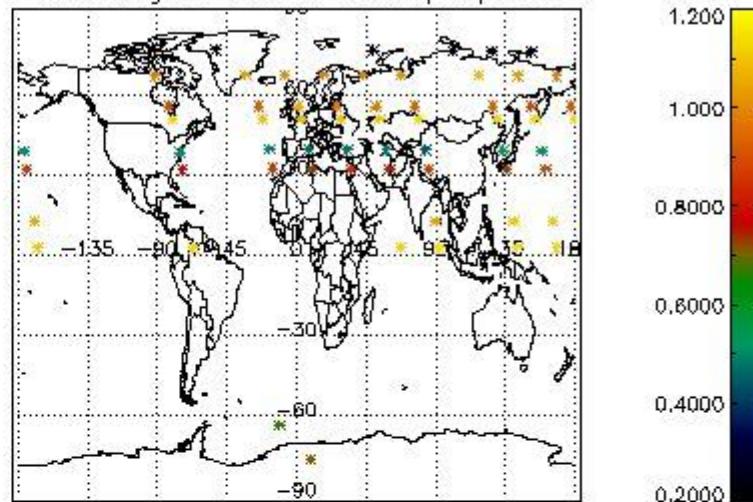
4.2 Plot quality information per product coming from level 1b processing (world map)

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

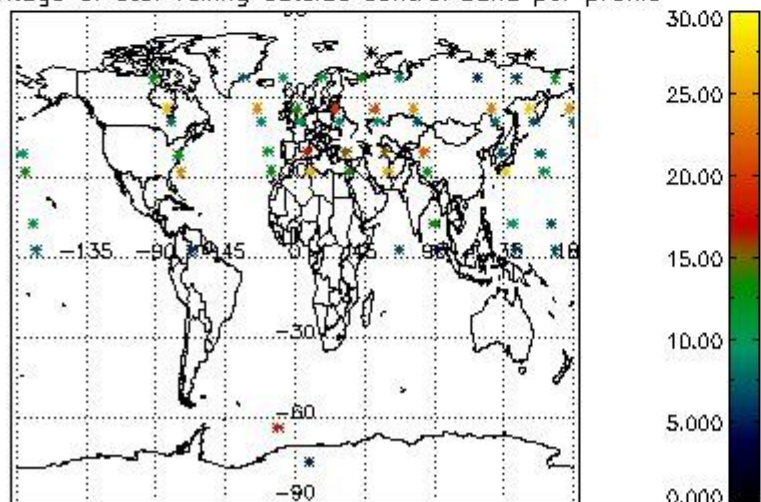
Percentage of cosmic ray hits per profile



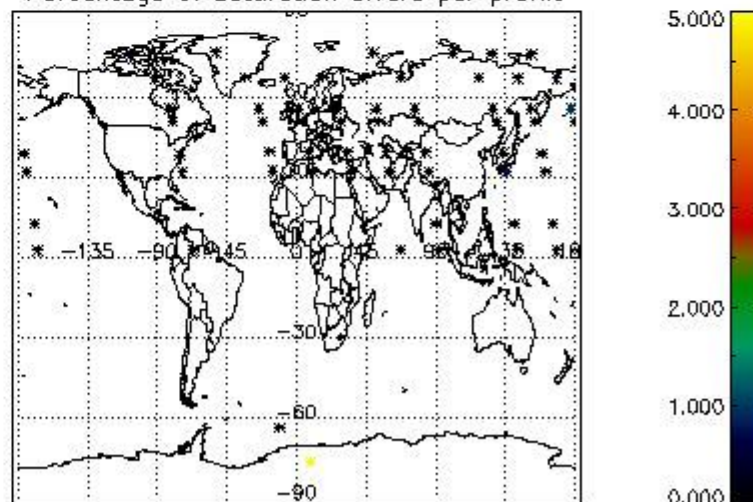
Percentage of datation errors per profile



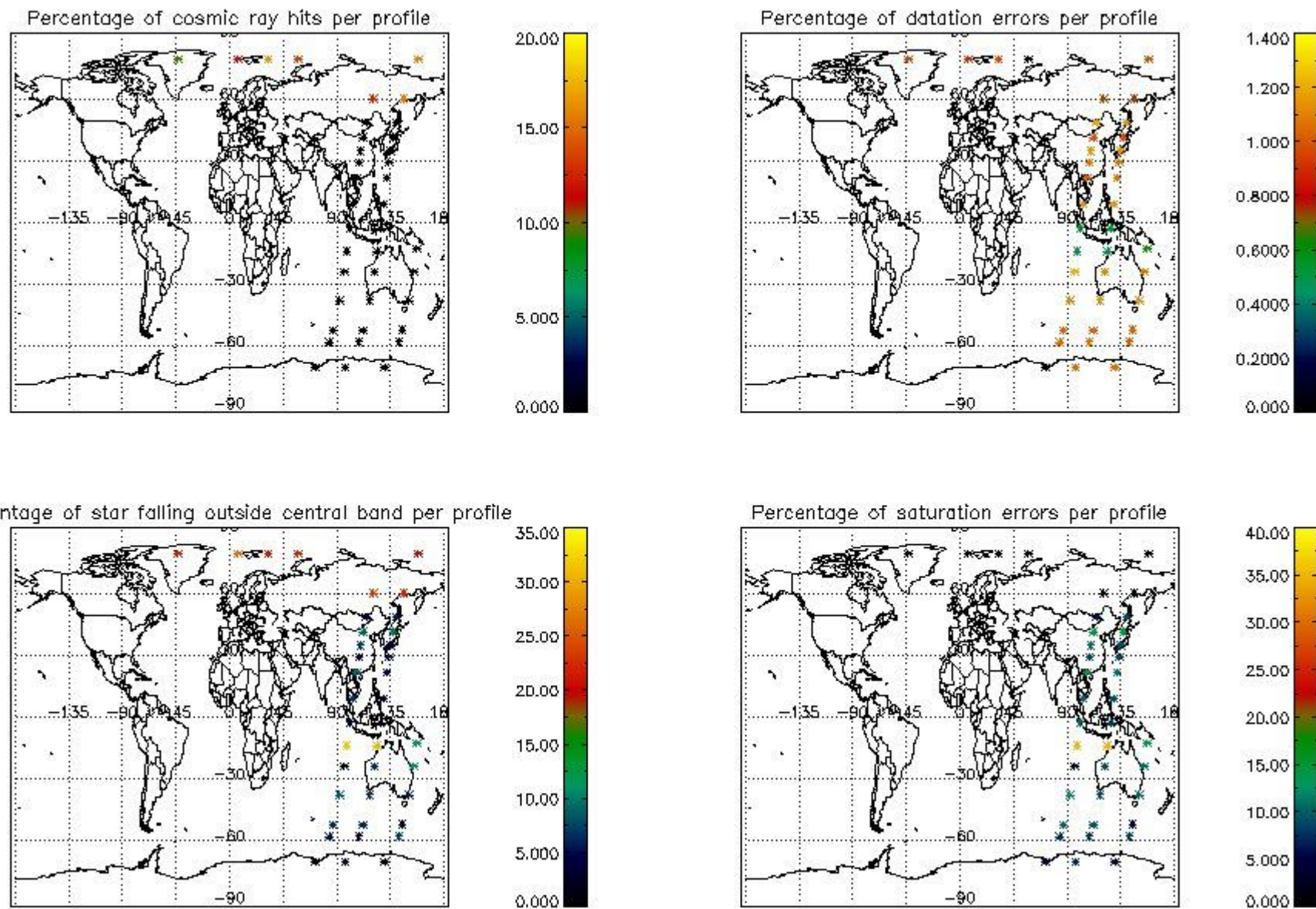
Percentage of star falling outside central band per profile



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

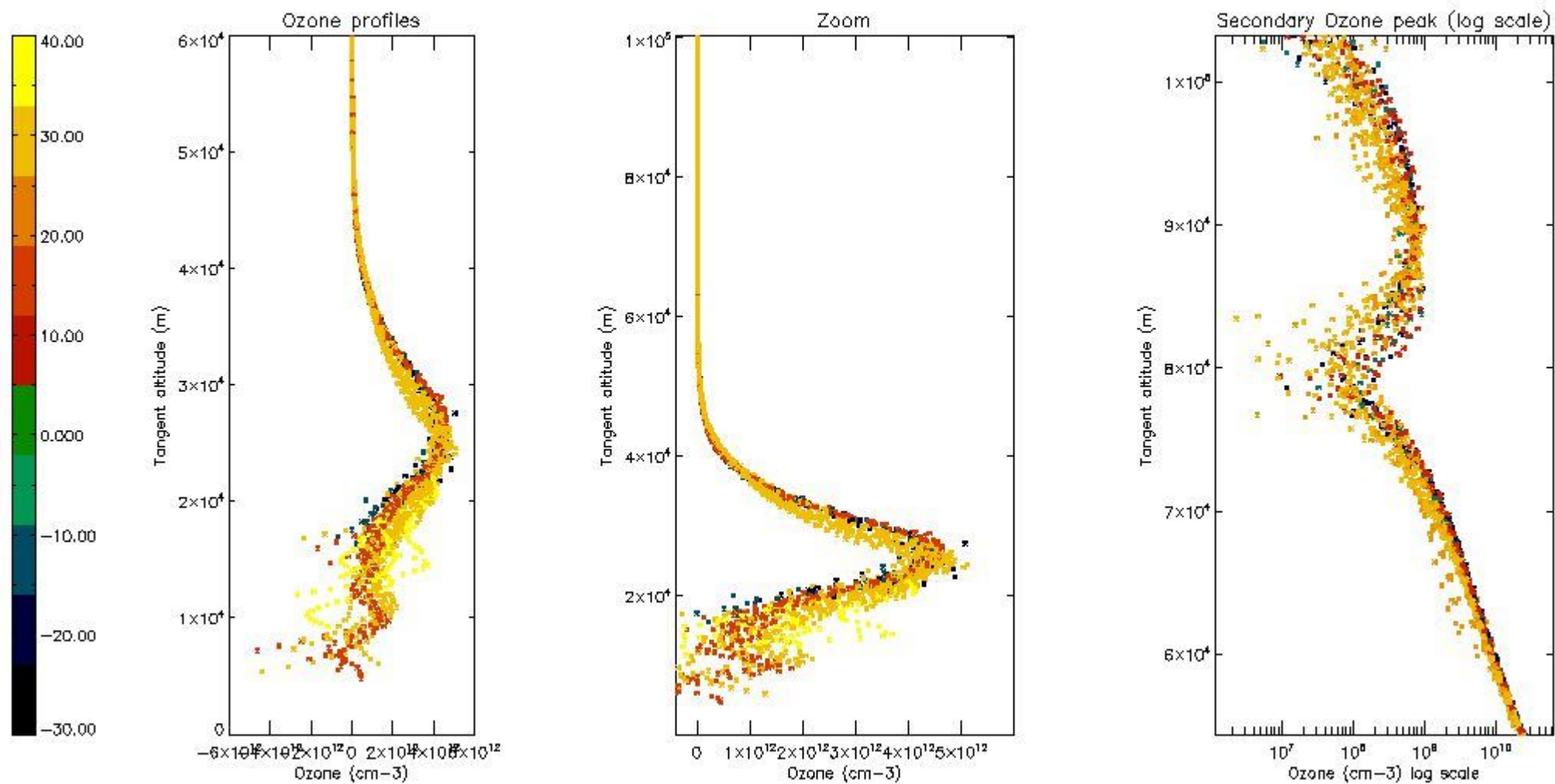
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	26

STD < 10	23
STD < 5	18

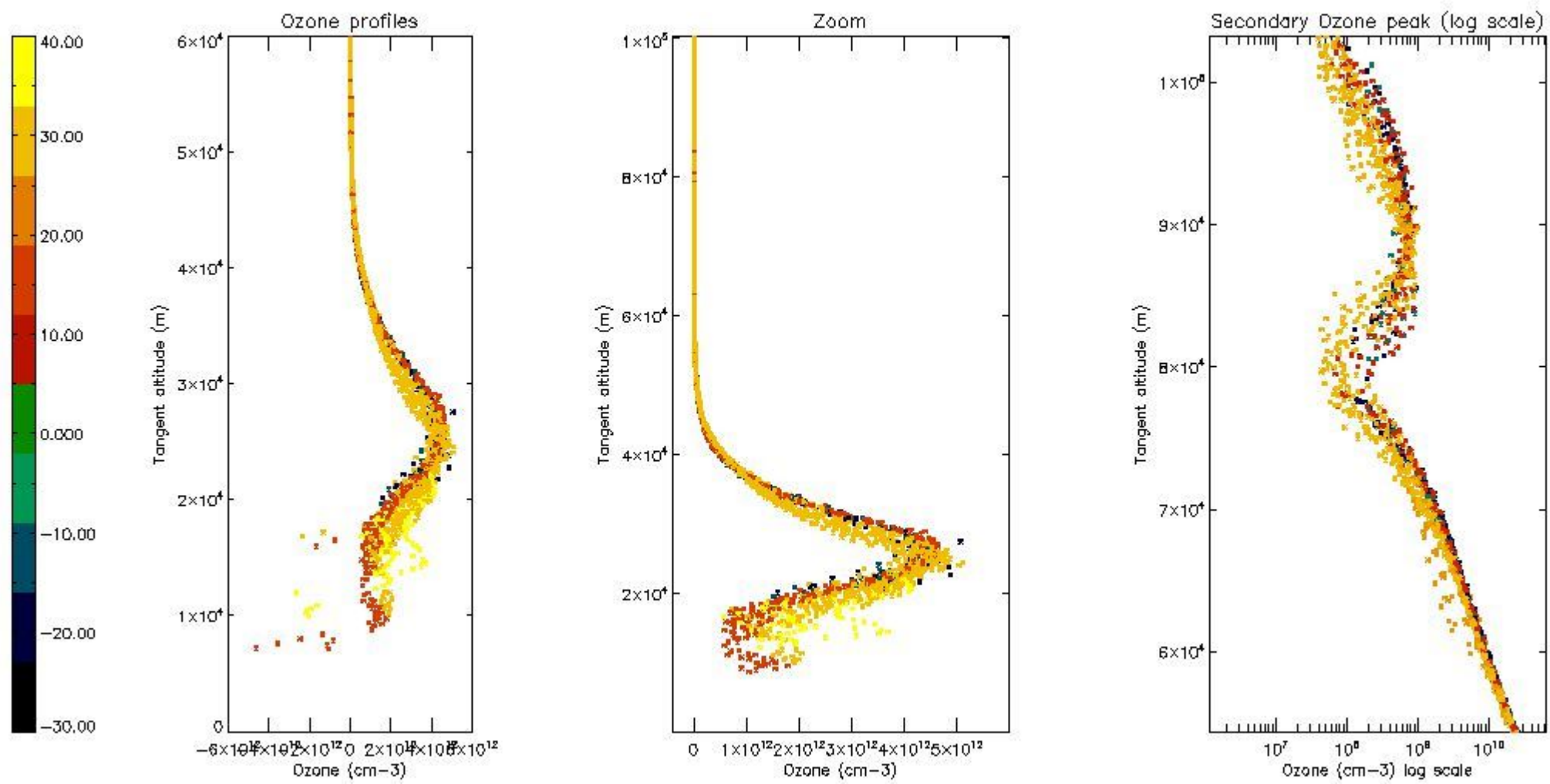
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



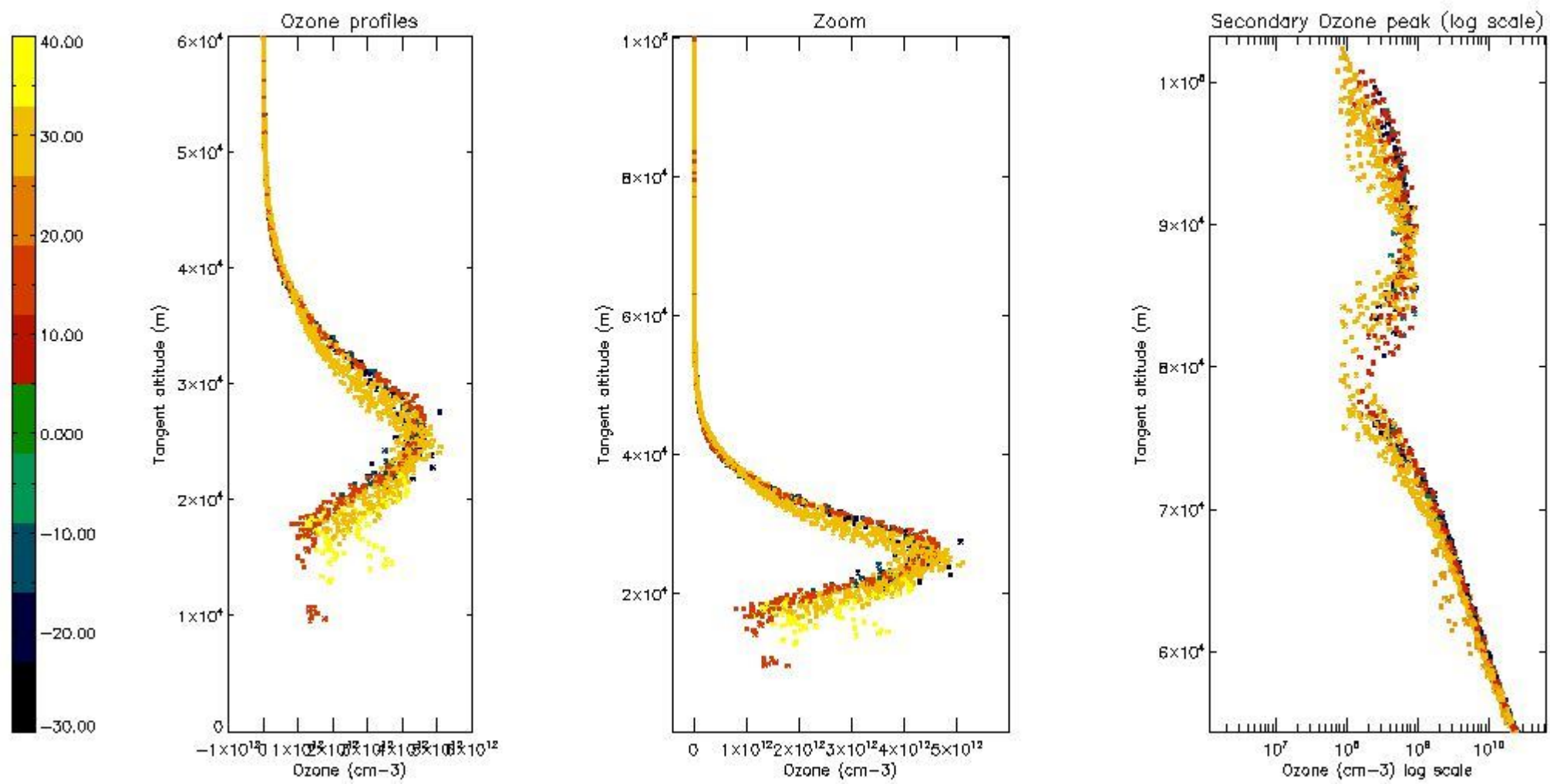
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



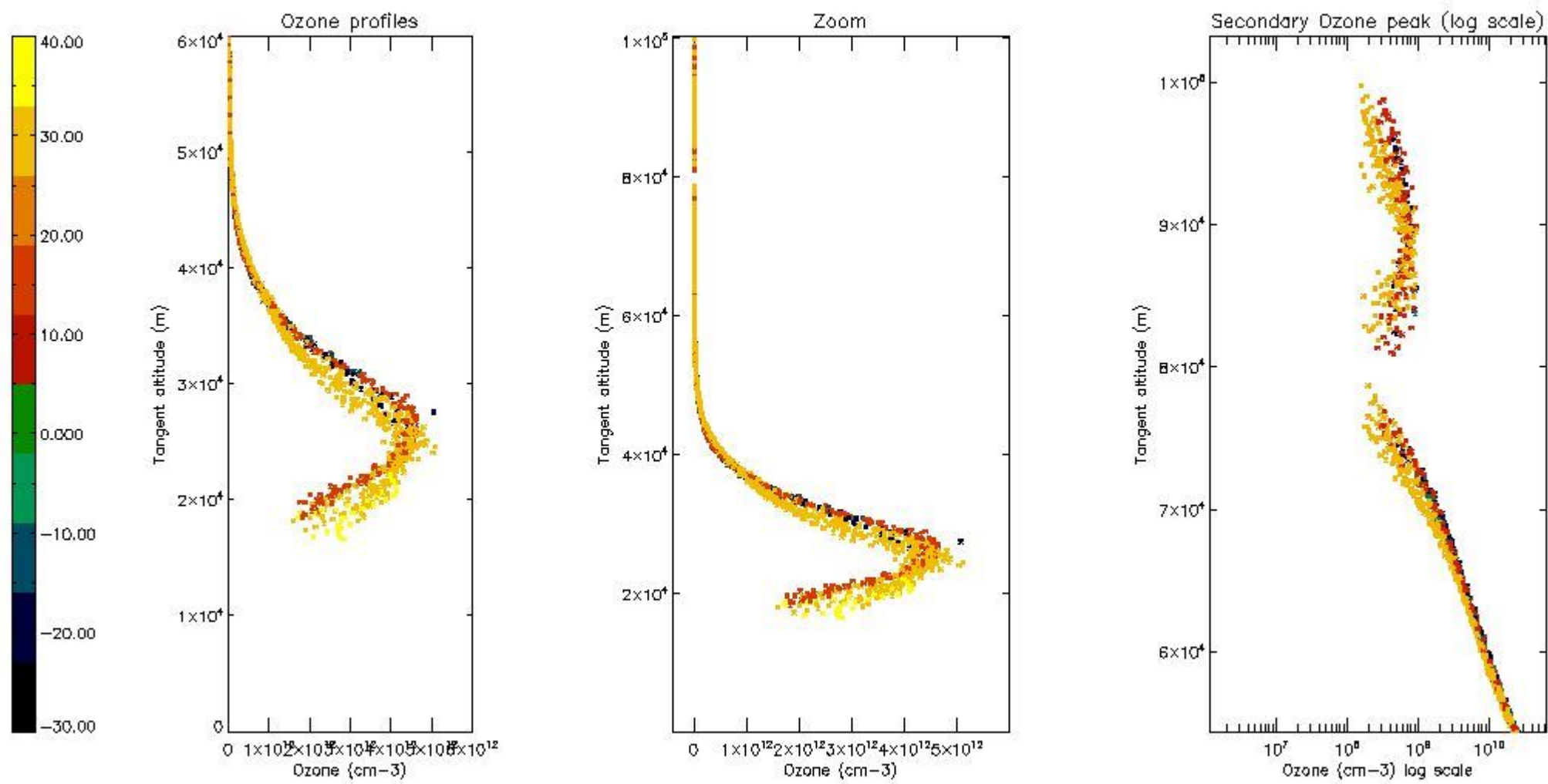
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



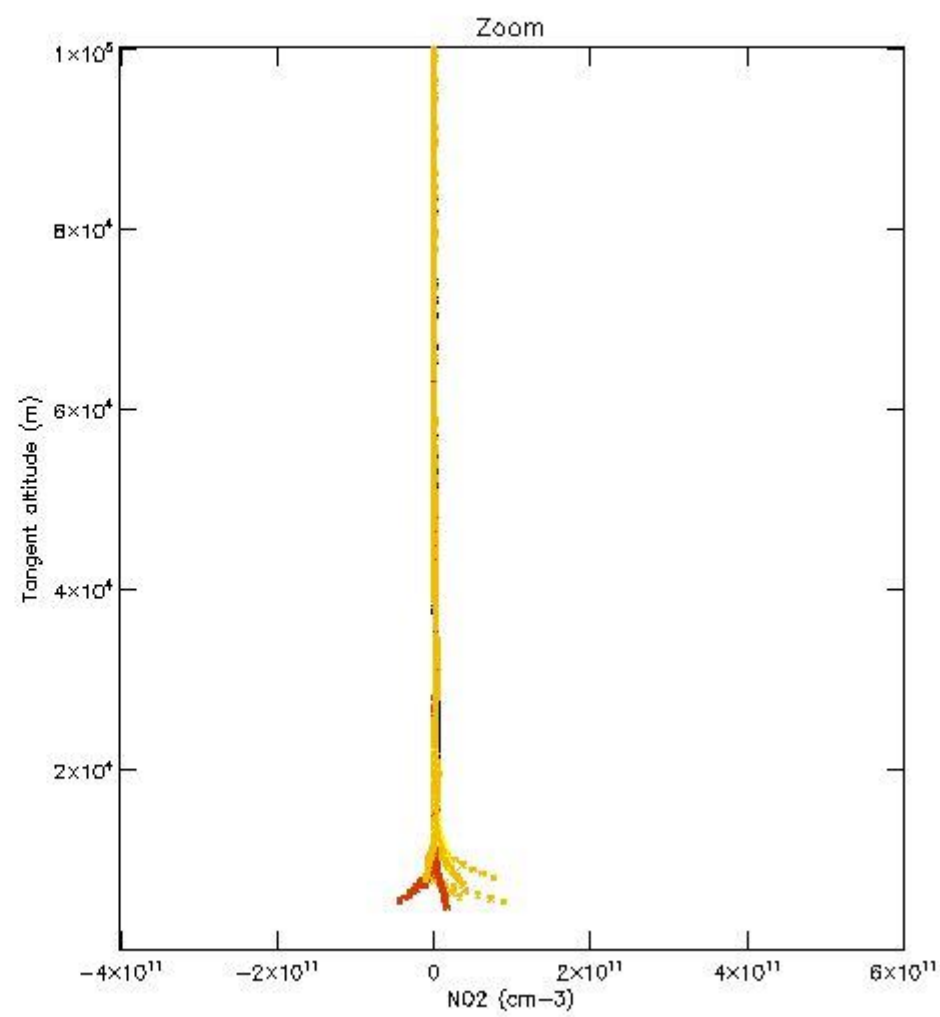
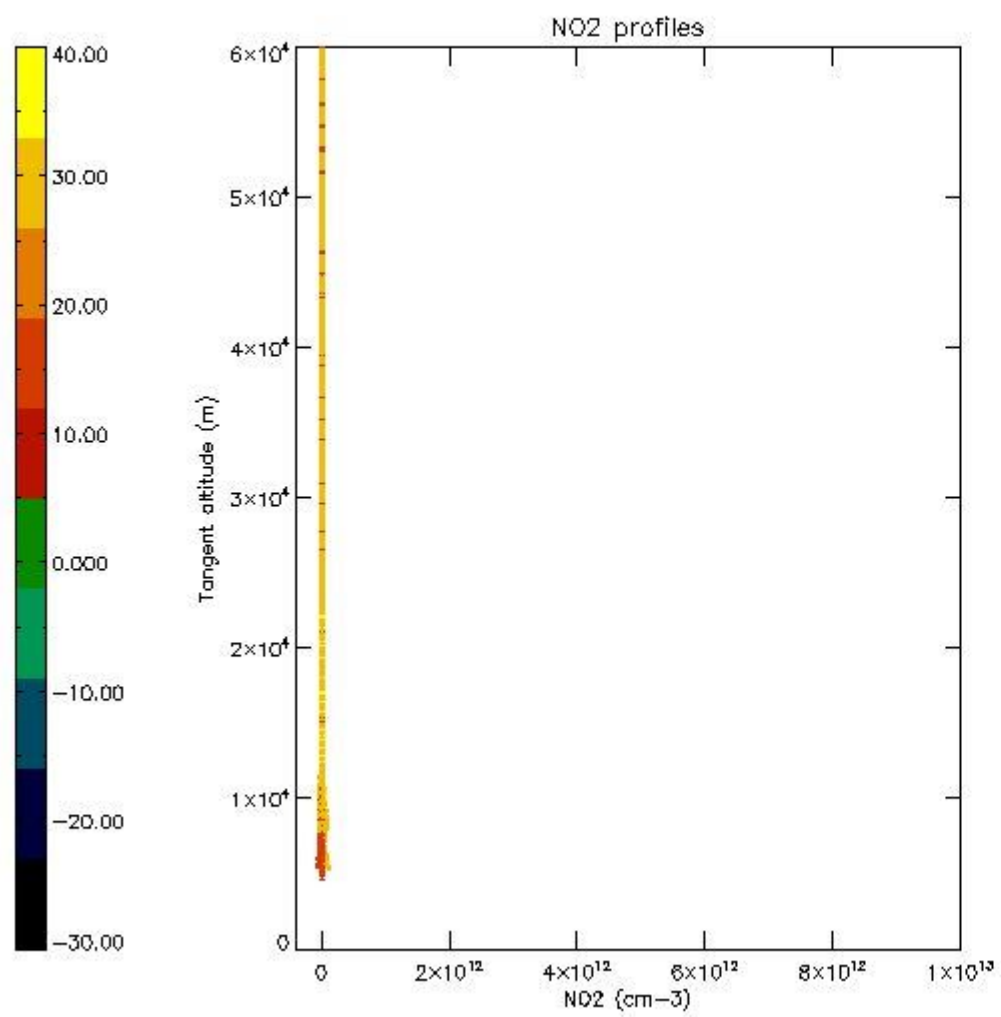
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



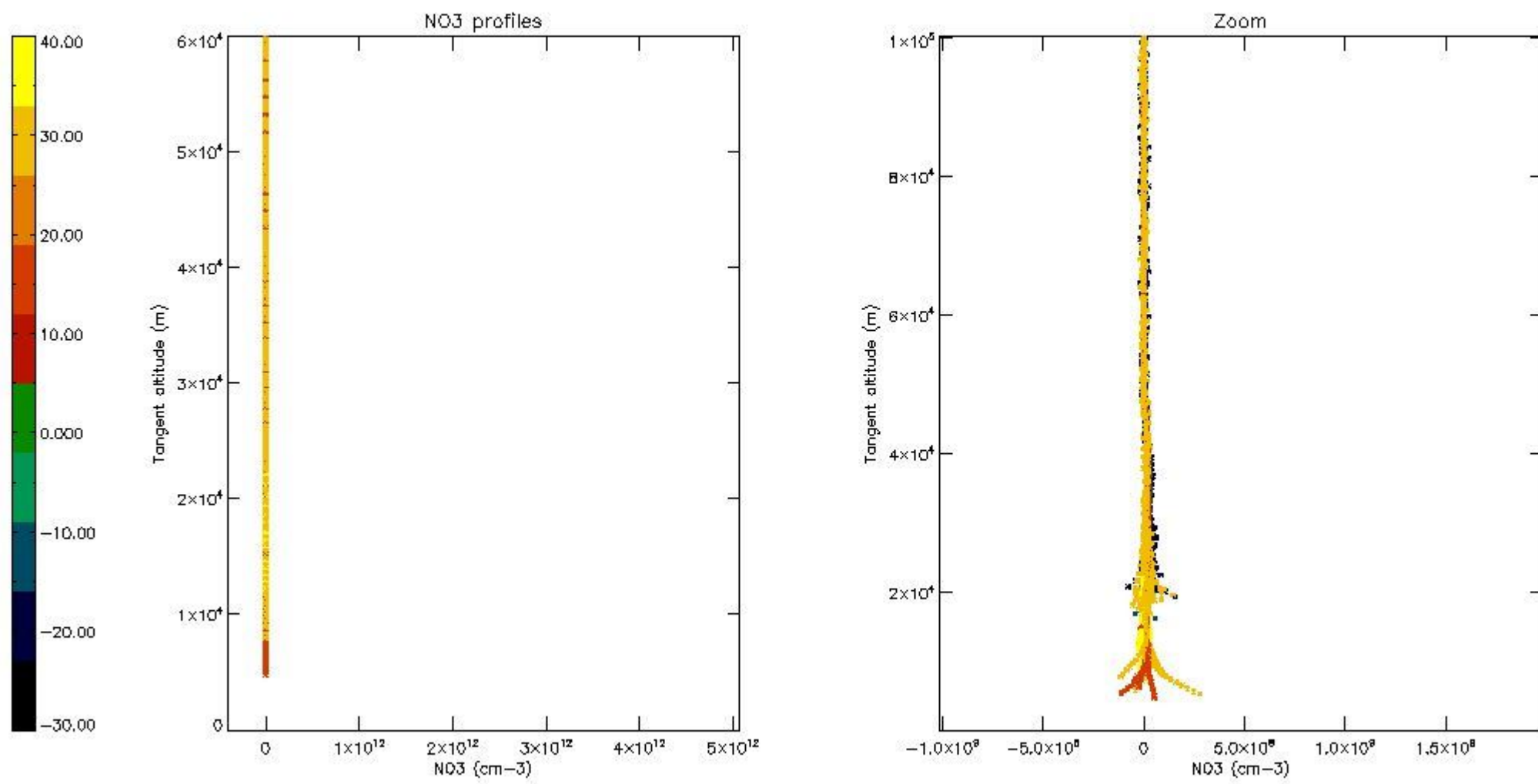
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



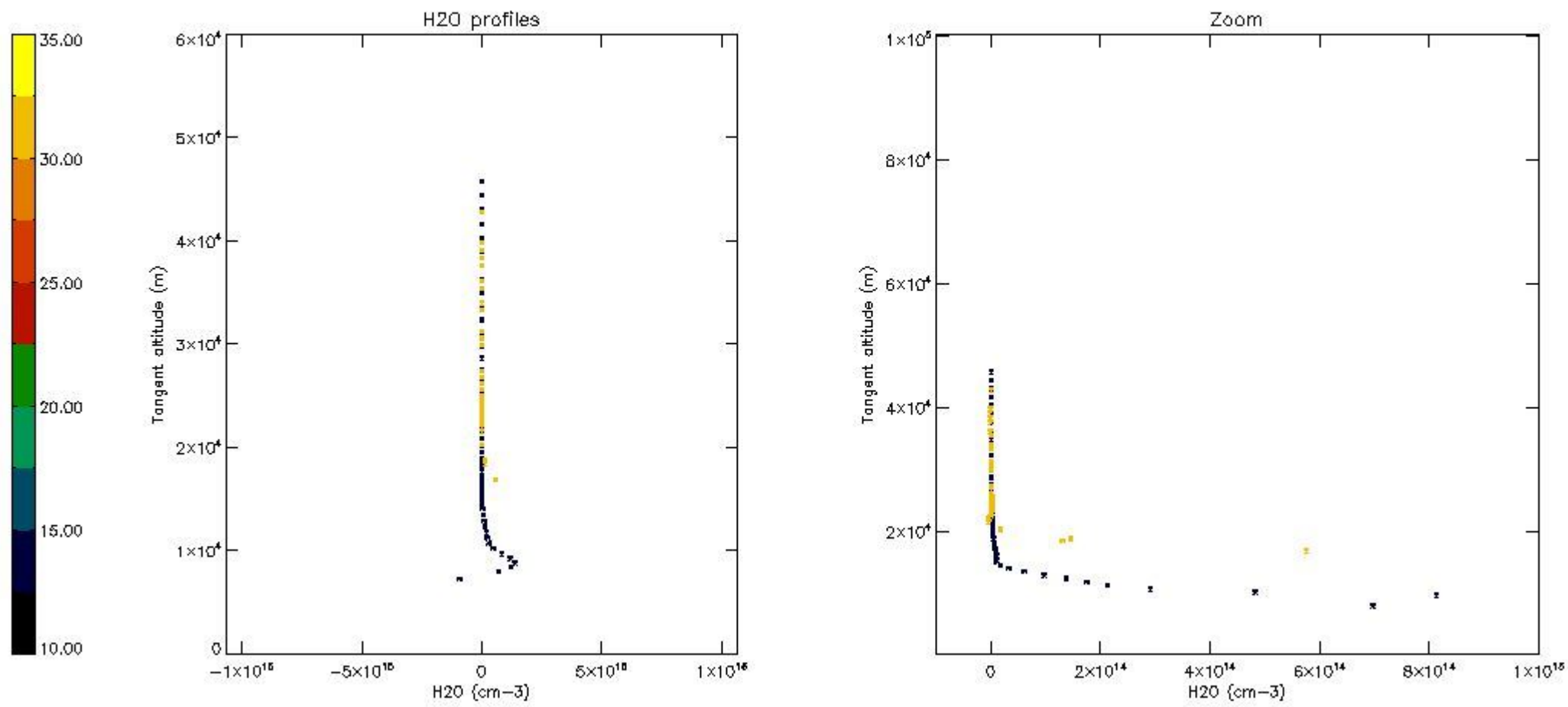
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

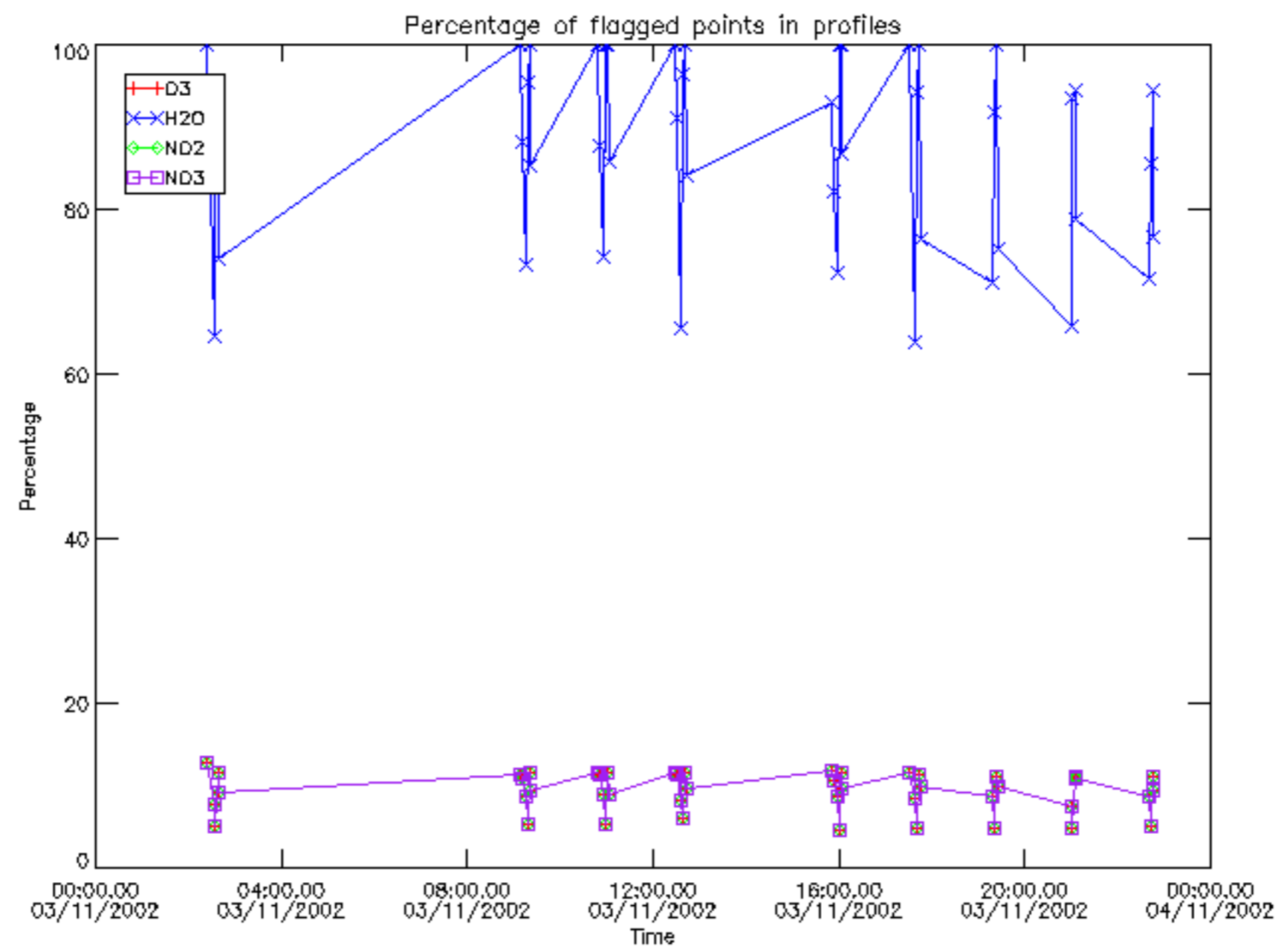
The colorbar represents the latitude.



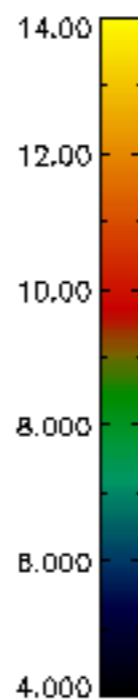
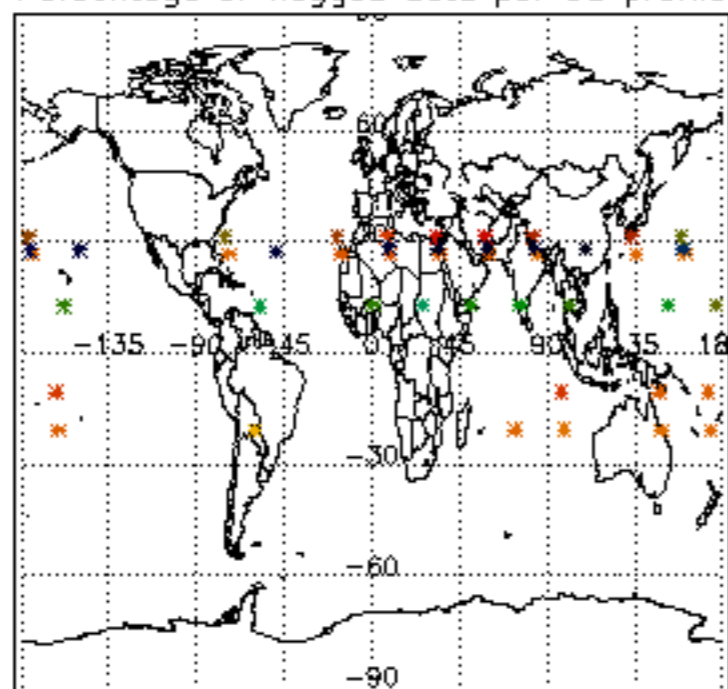
6. Auxiliary Data Files used for the production reported in section 2

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.

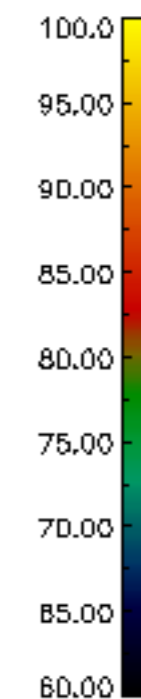
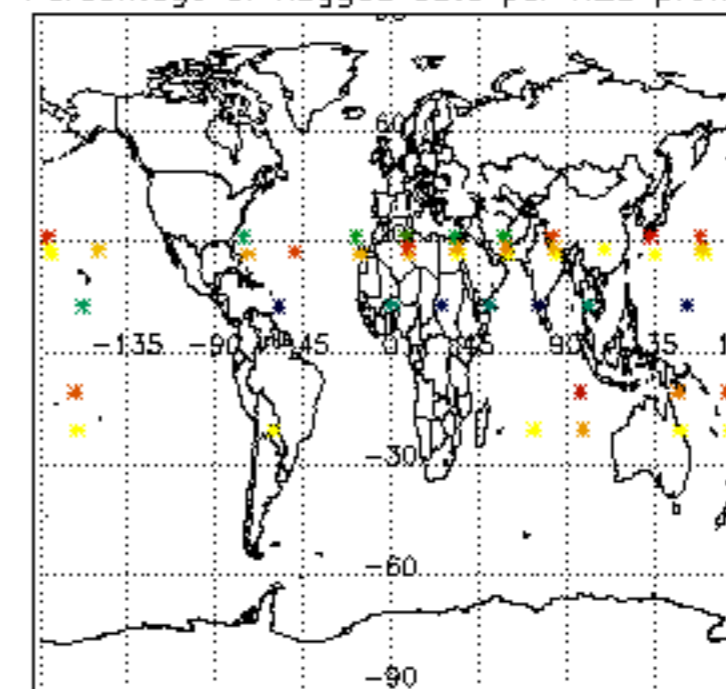
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	03-NOV-2002 01:16:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-NOV-2002 01:16:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-NOV-2002 01:16:39



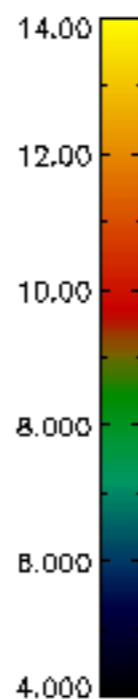
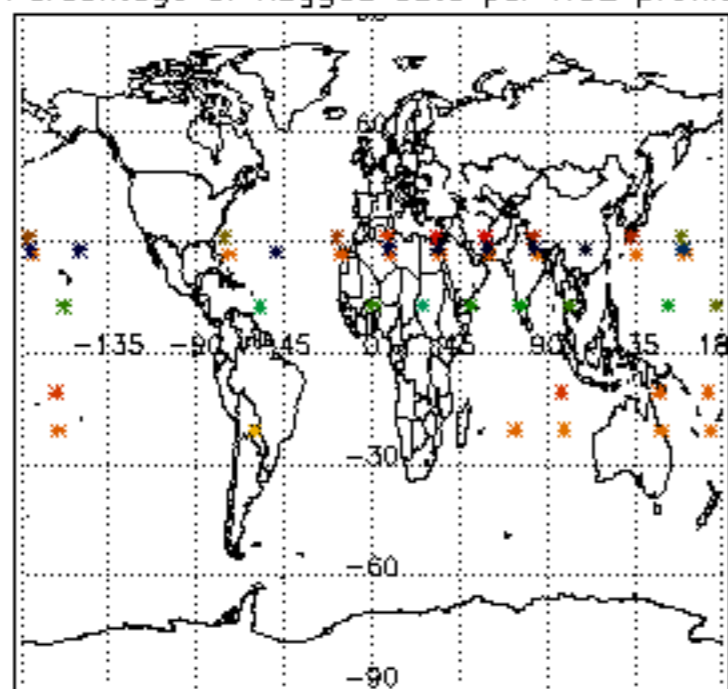
Percentage of flagged data per D3 profile



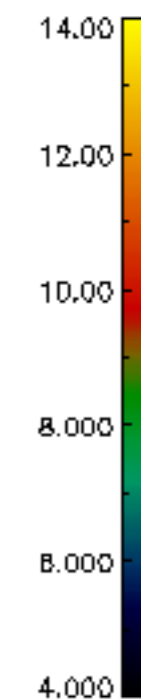
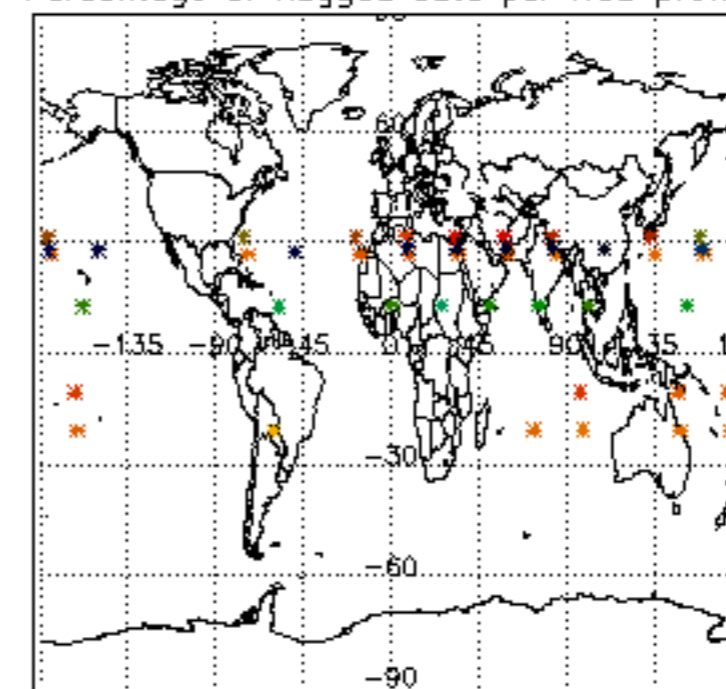
Percentage of flagged data per H2O profile

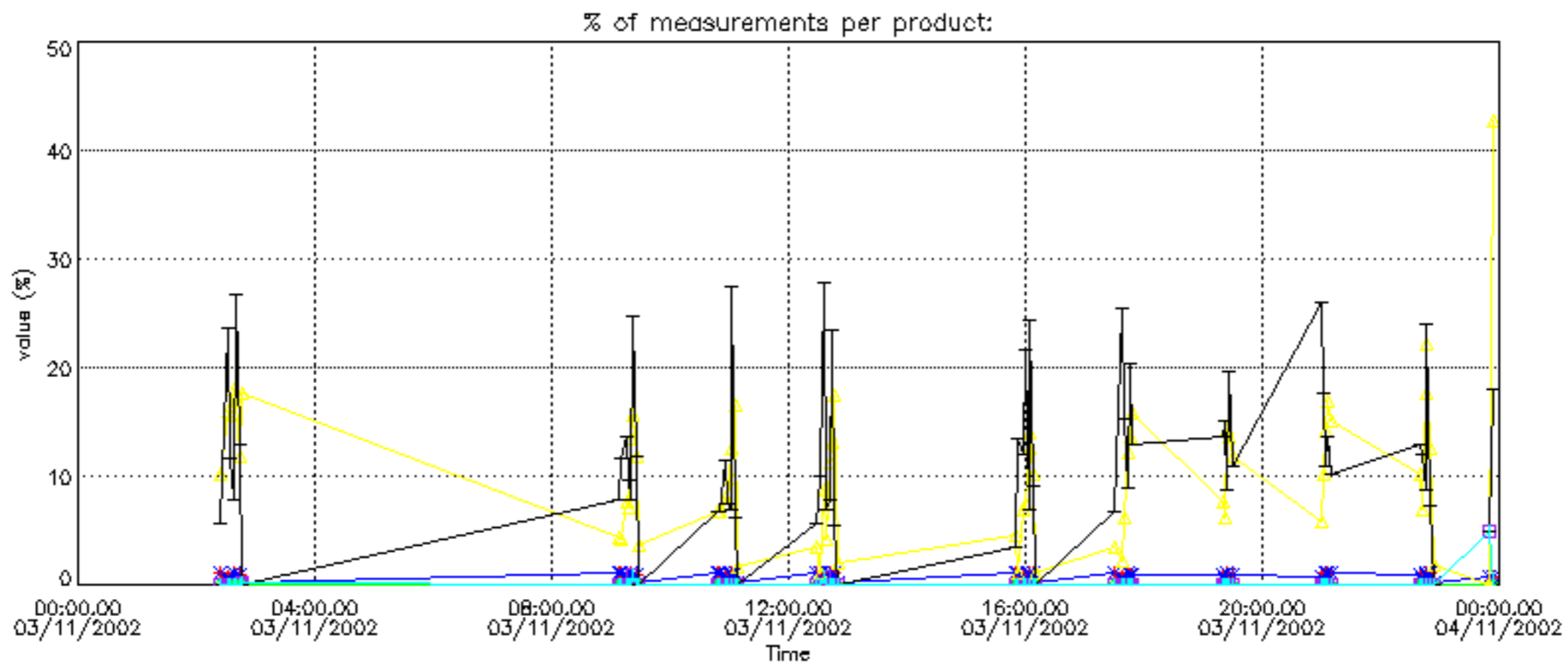


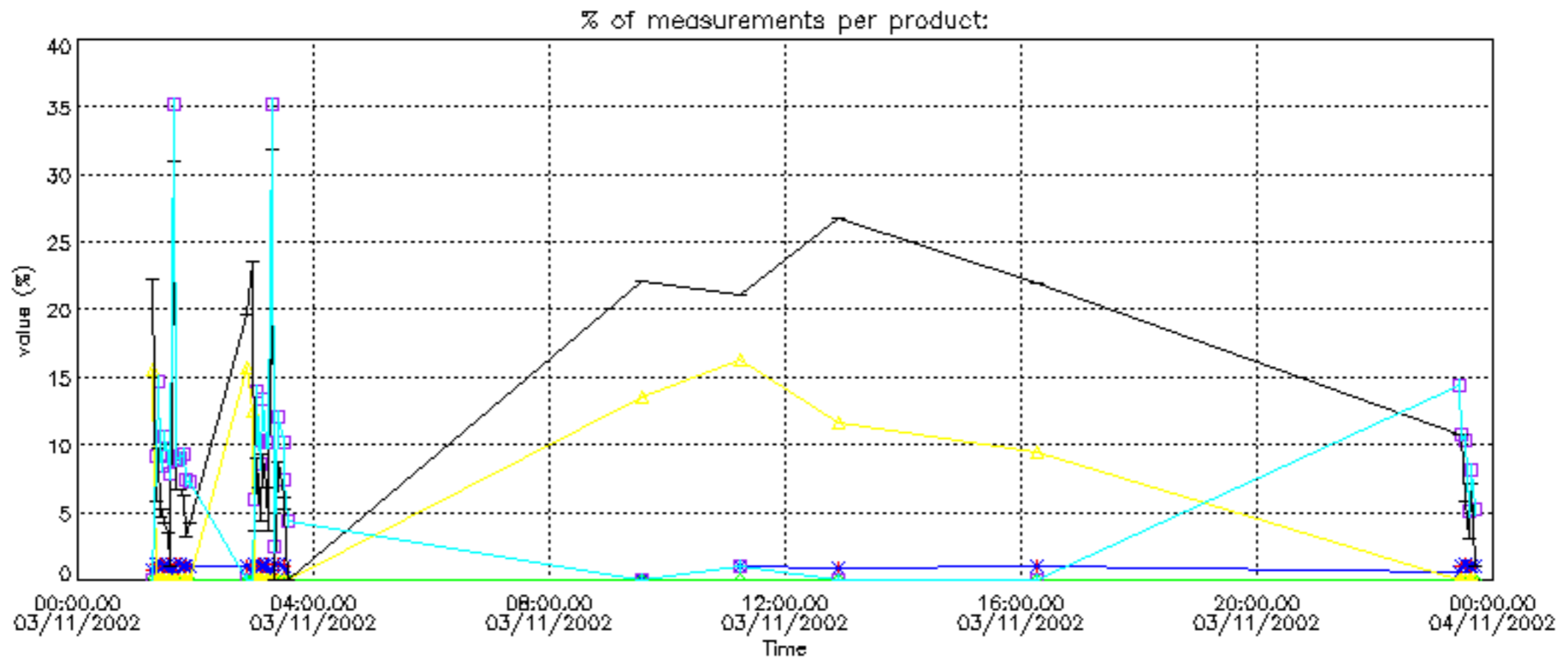
Percentage of flagged data per NO2 profile



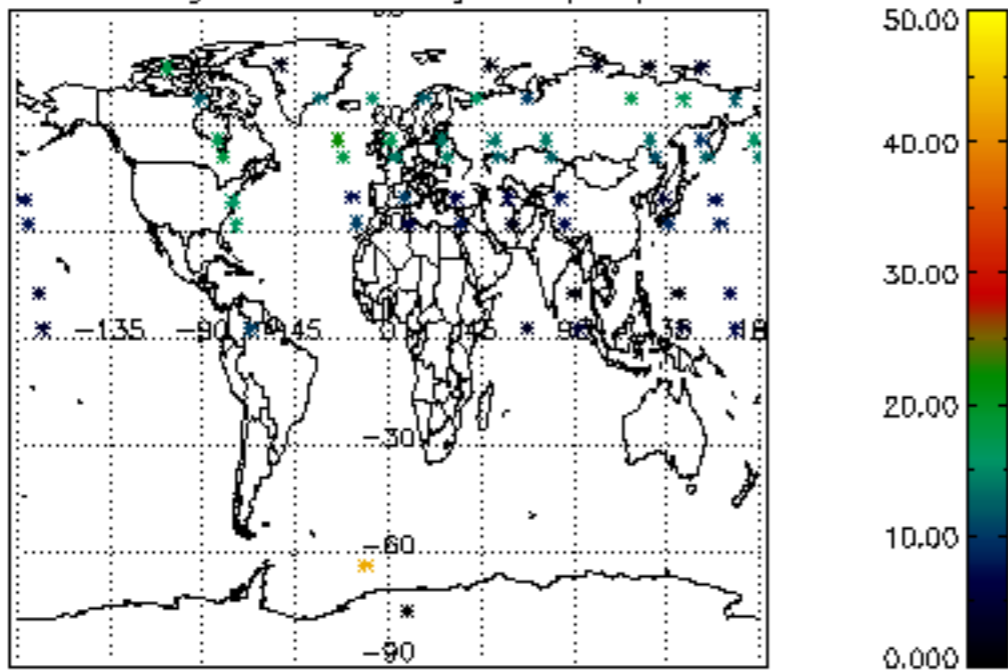
Percentage of flagged data per NO3 profile



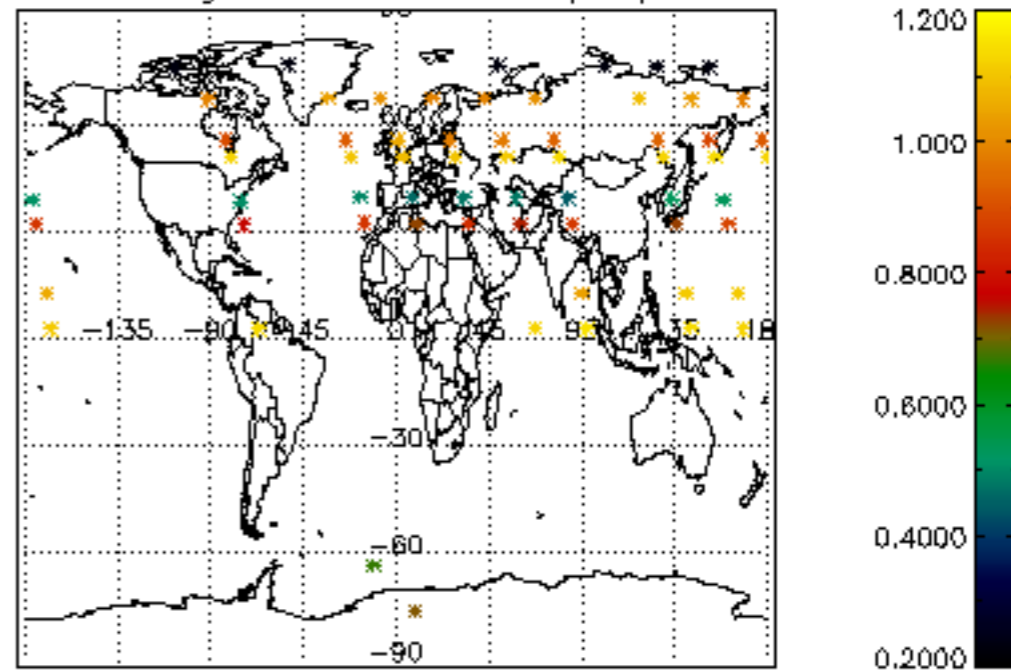




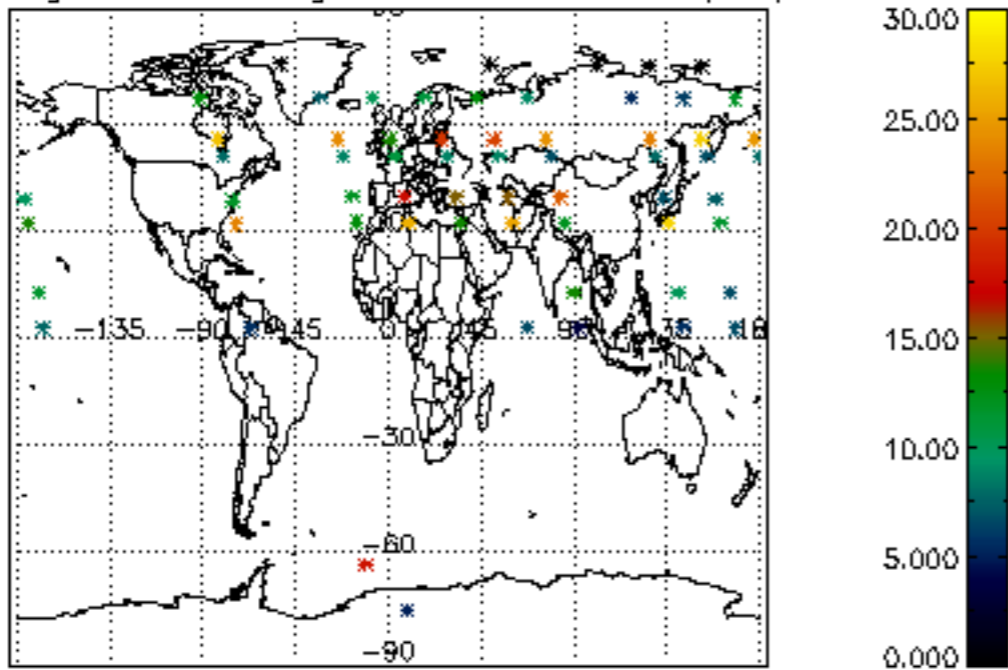
Percentage of cosmic ray hits per profile



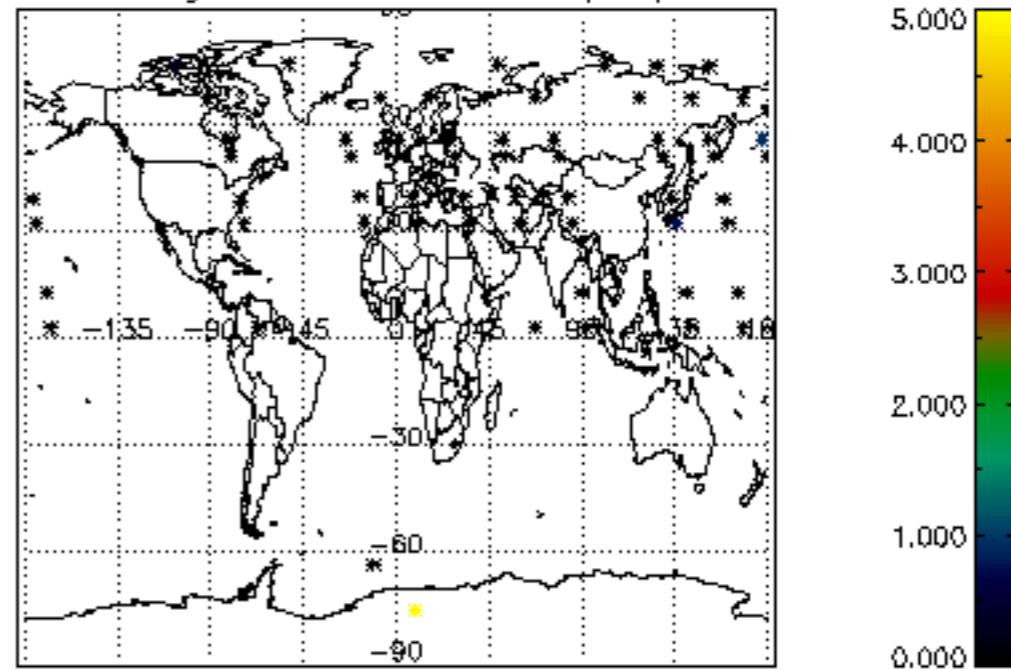
Percentage of datation errors per profile



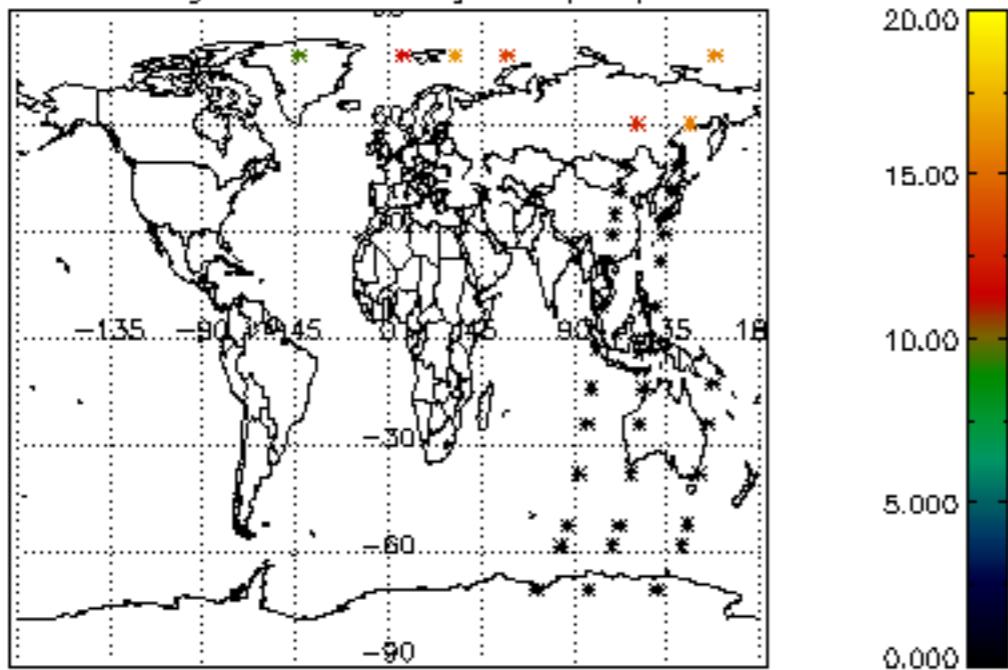
Percentage of star falling outside central band per profile



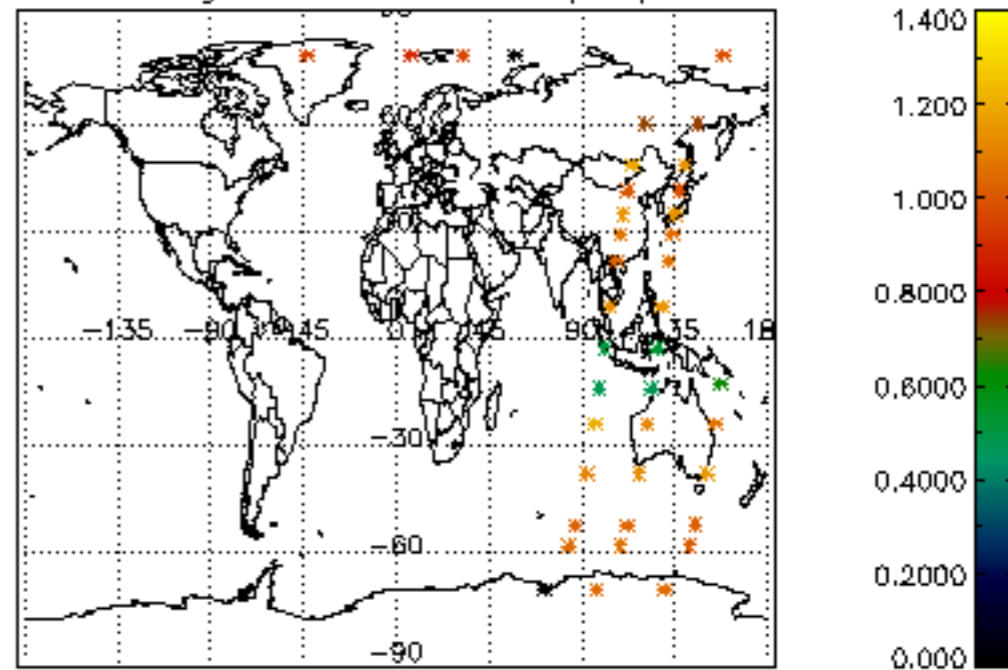
Percentage of saturation errors per profile



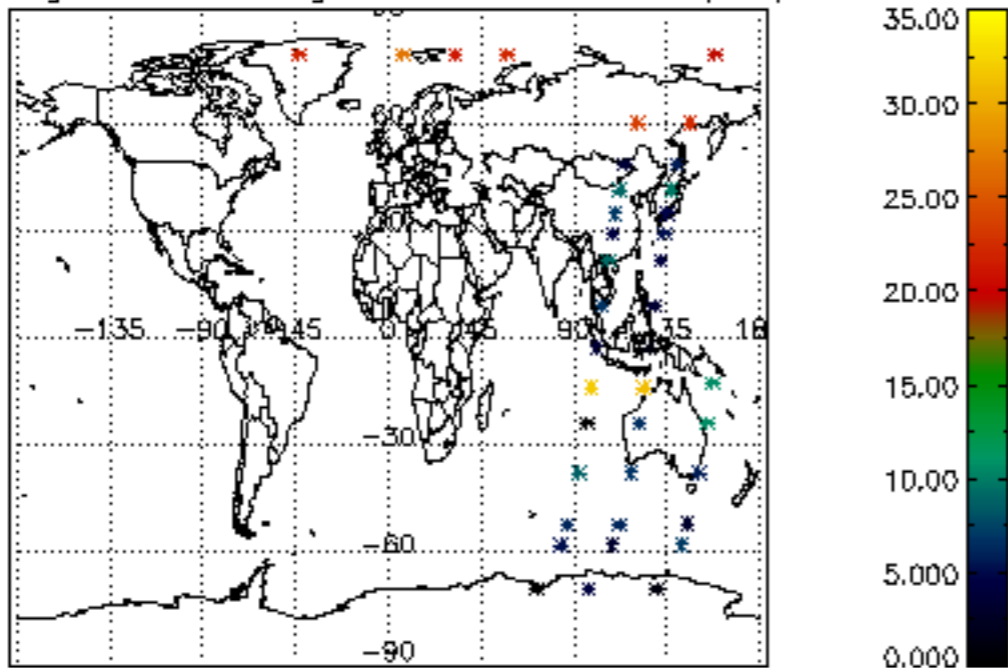
Percentage of cosmic ray hits per profile



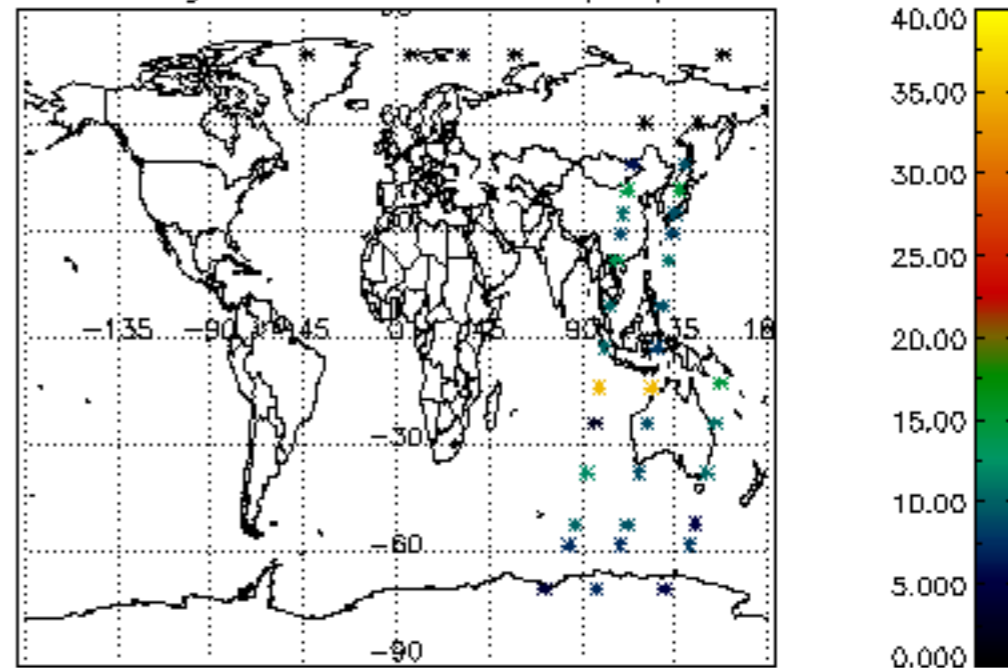
Percentage of datation errors per profile

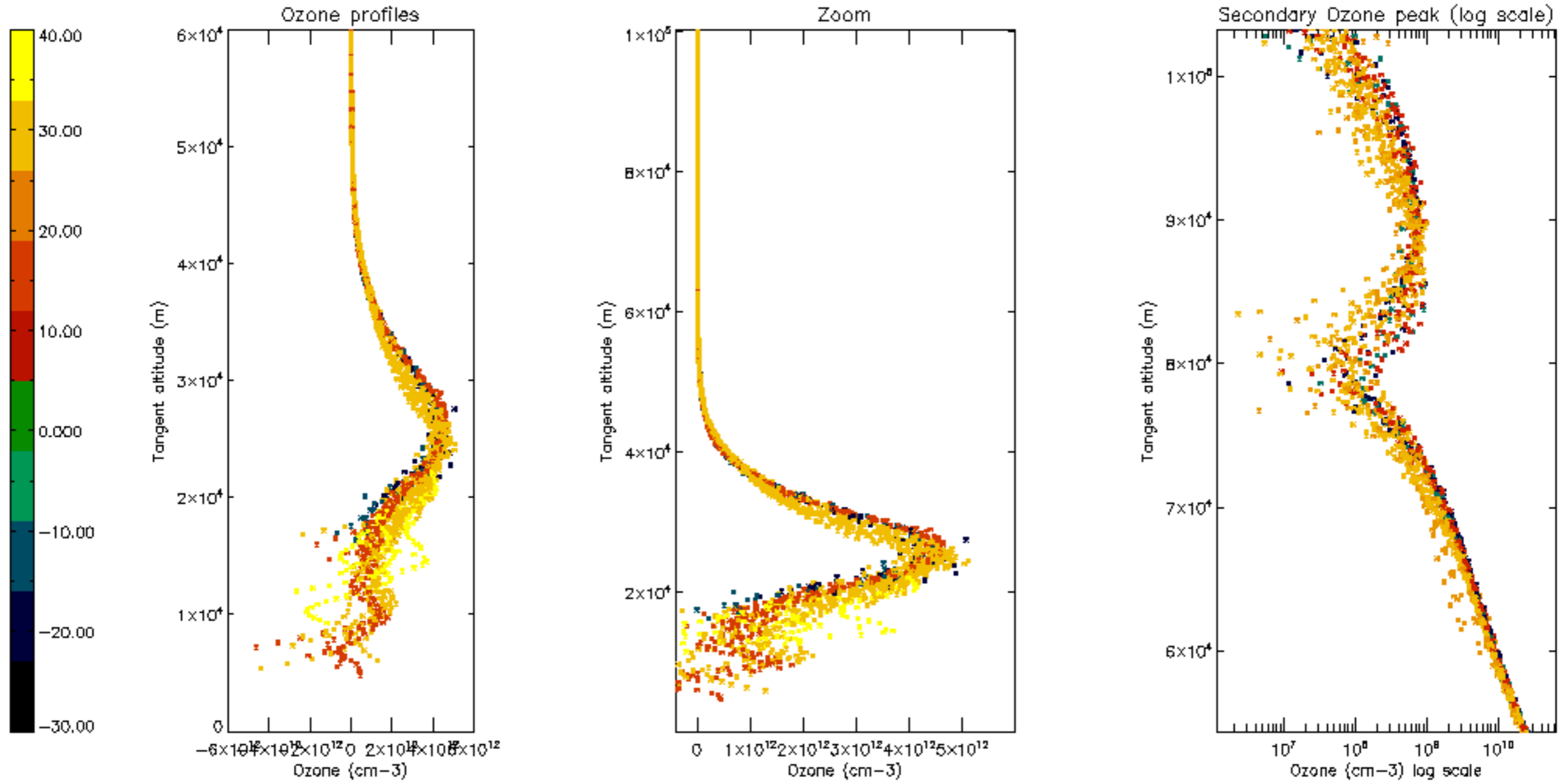


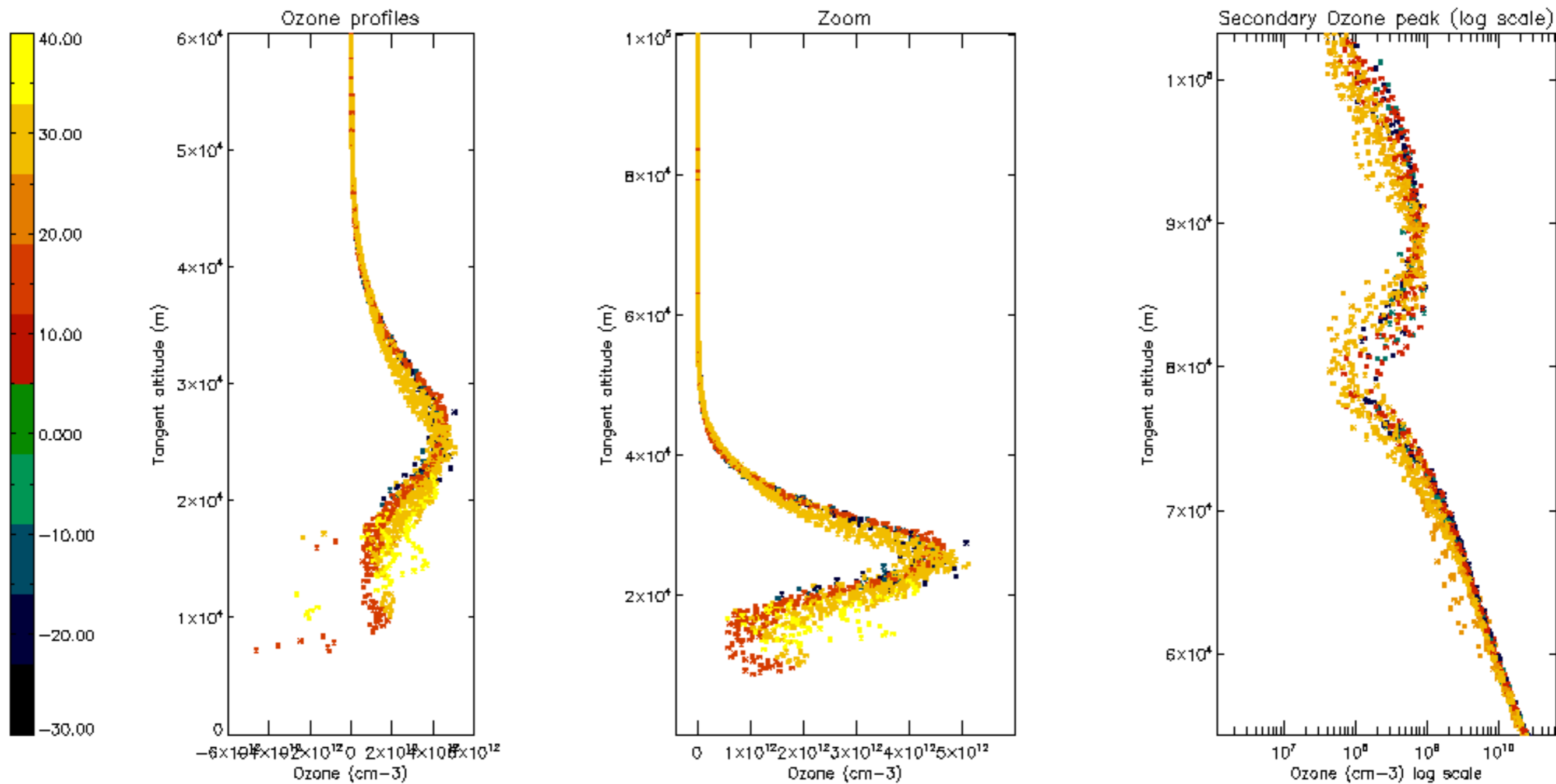
Percentage of star falling outside central band per profile

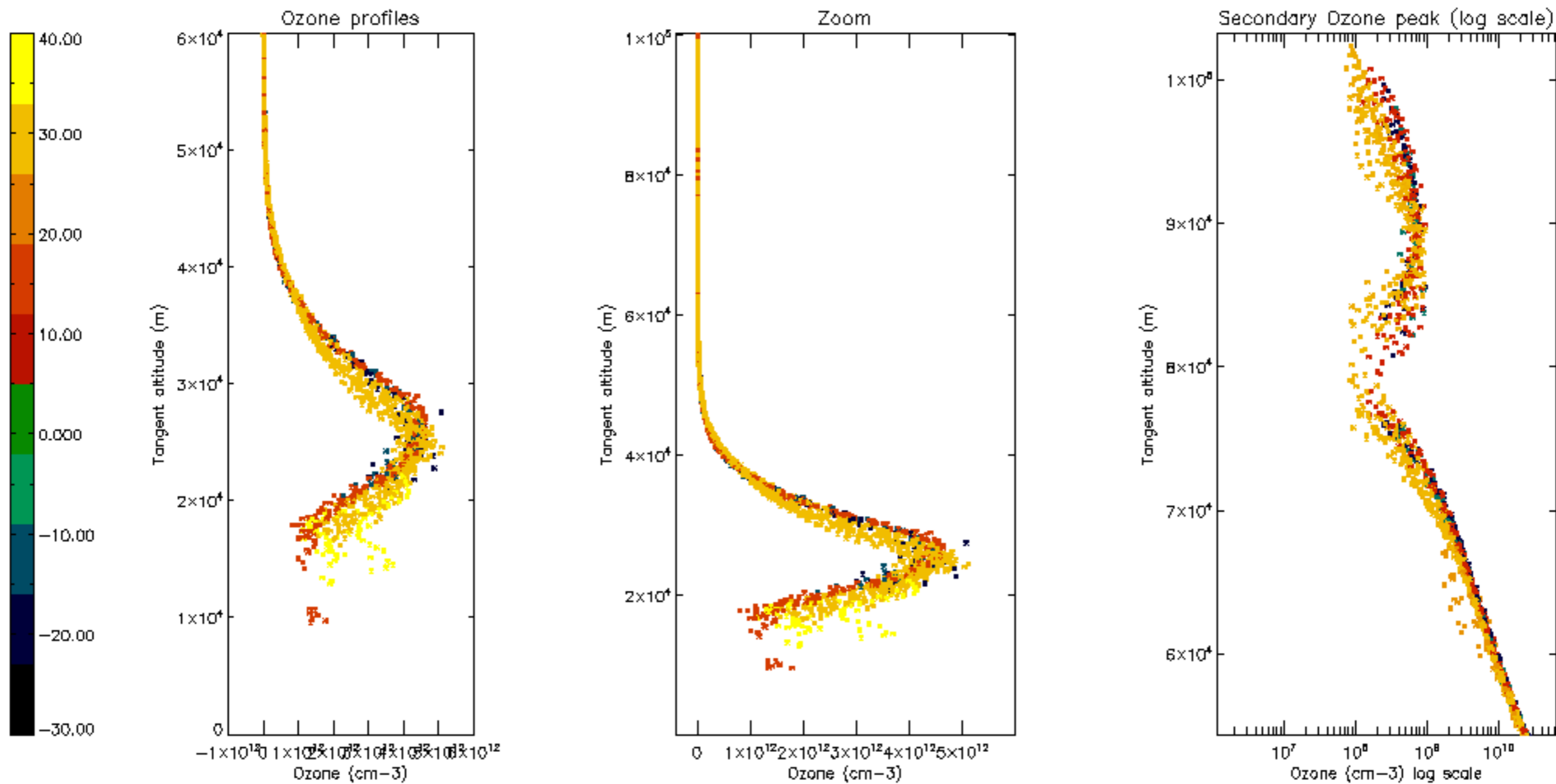


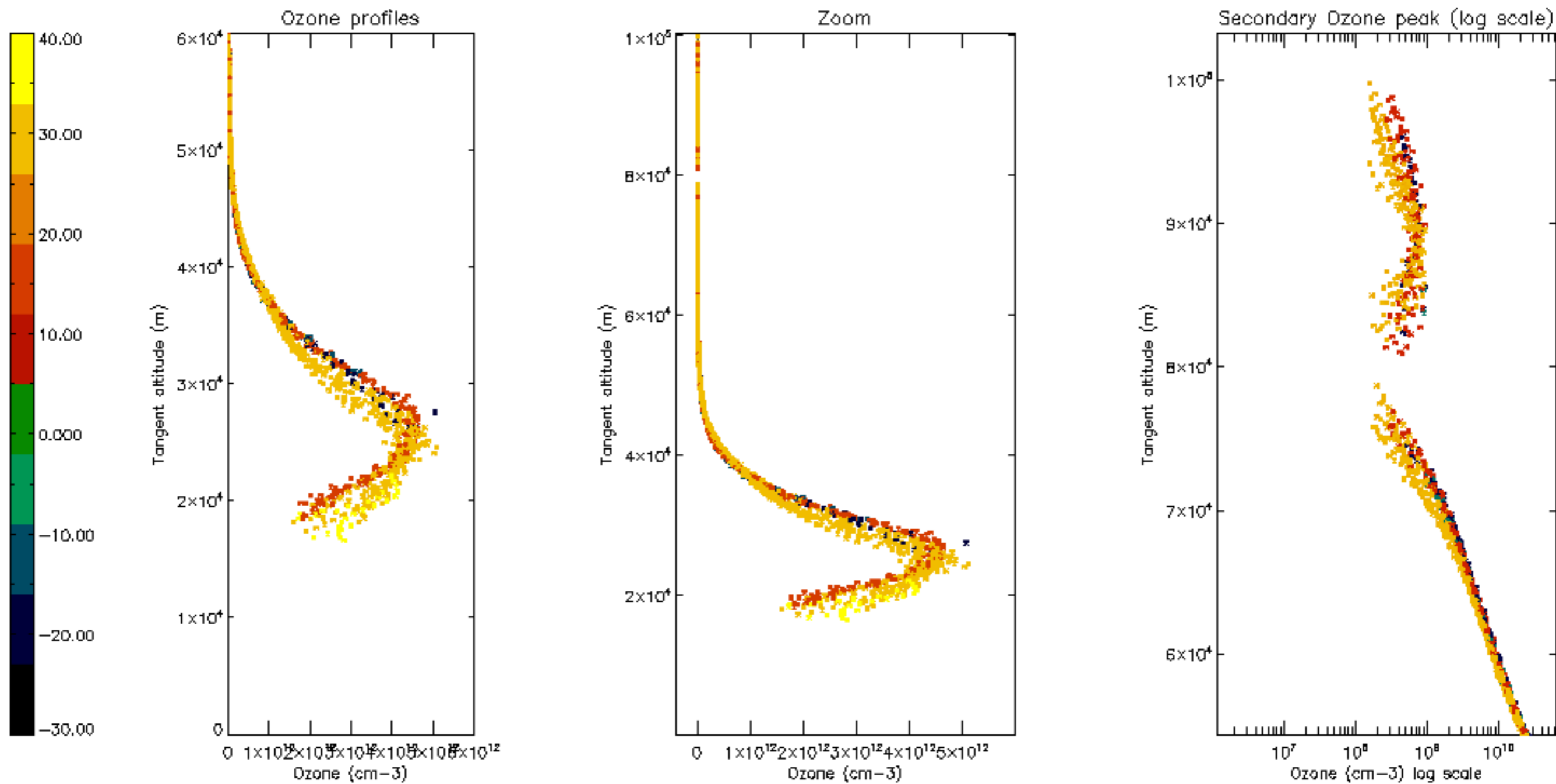
Percentage of saturation errors per profile

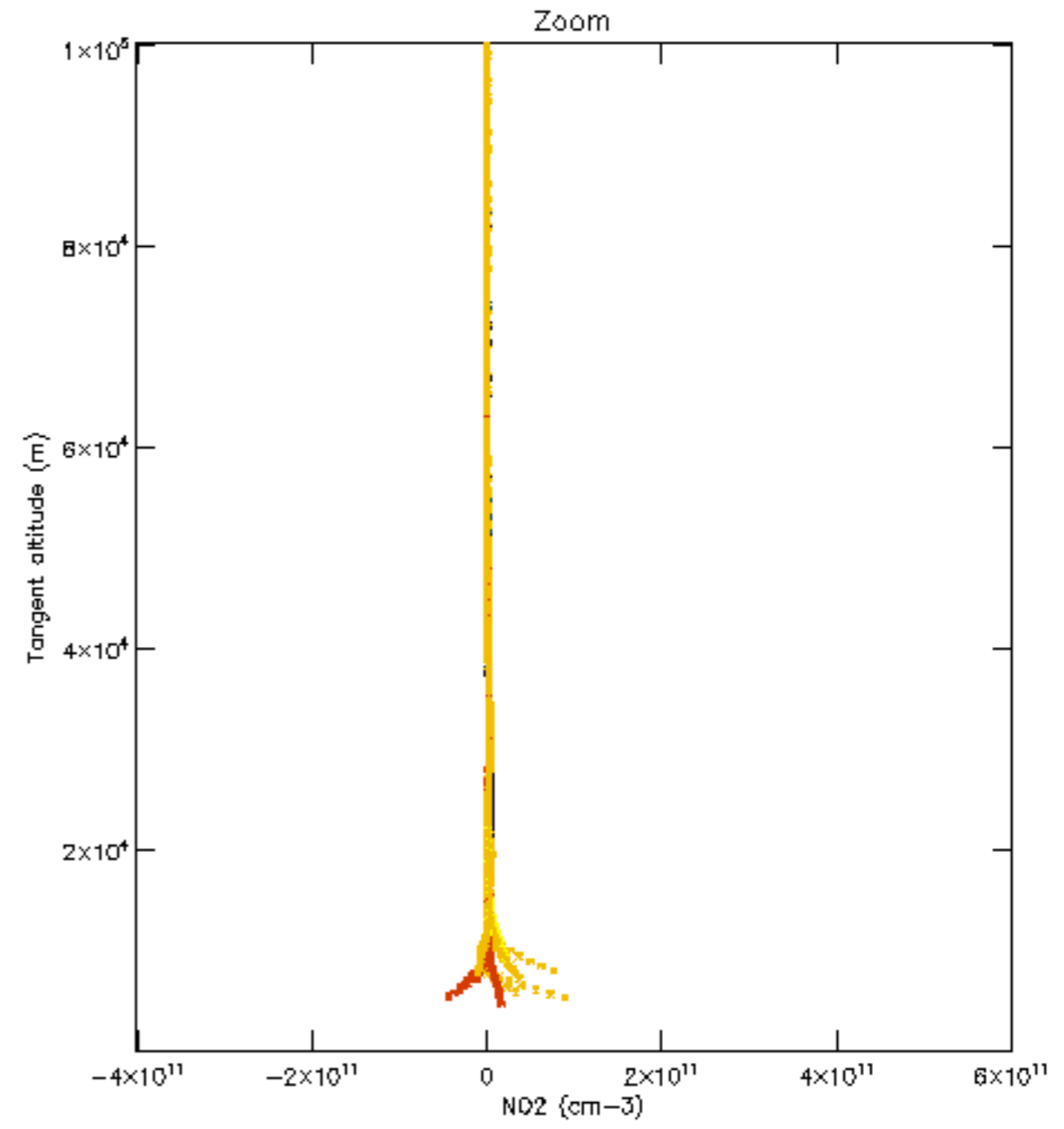
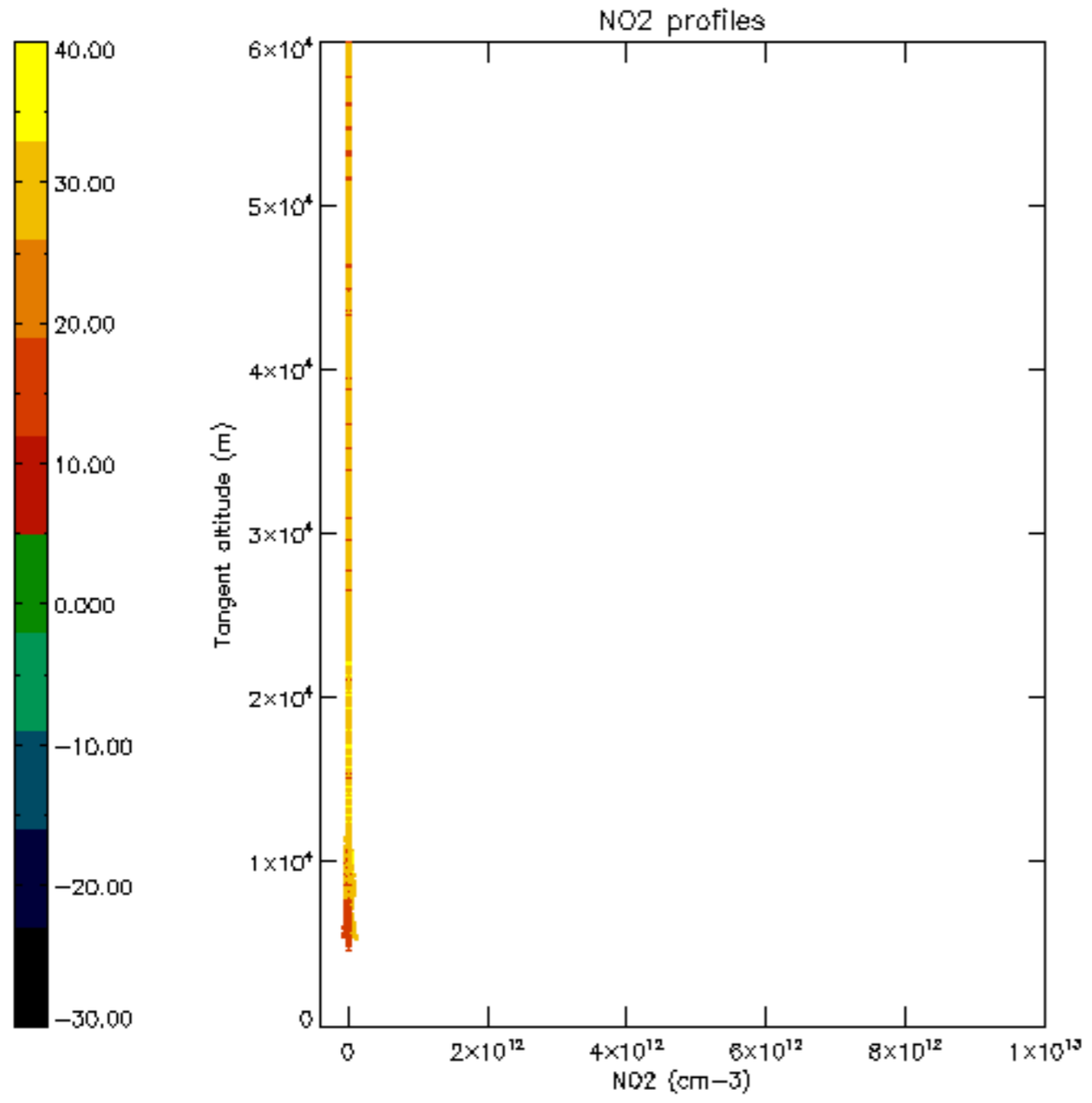


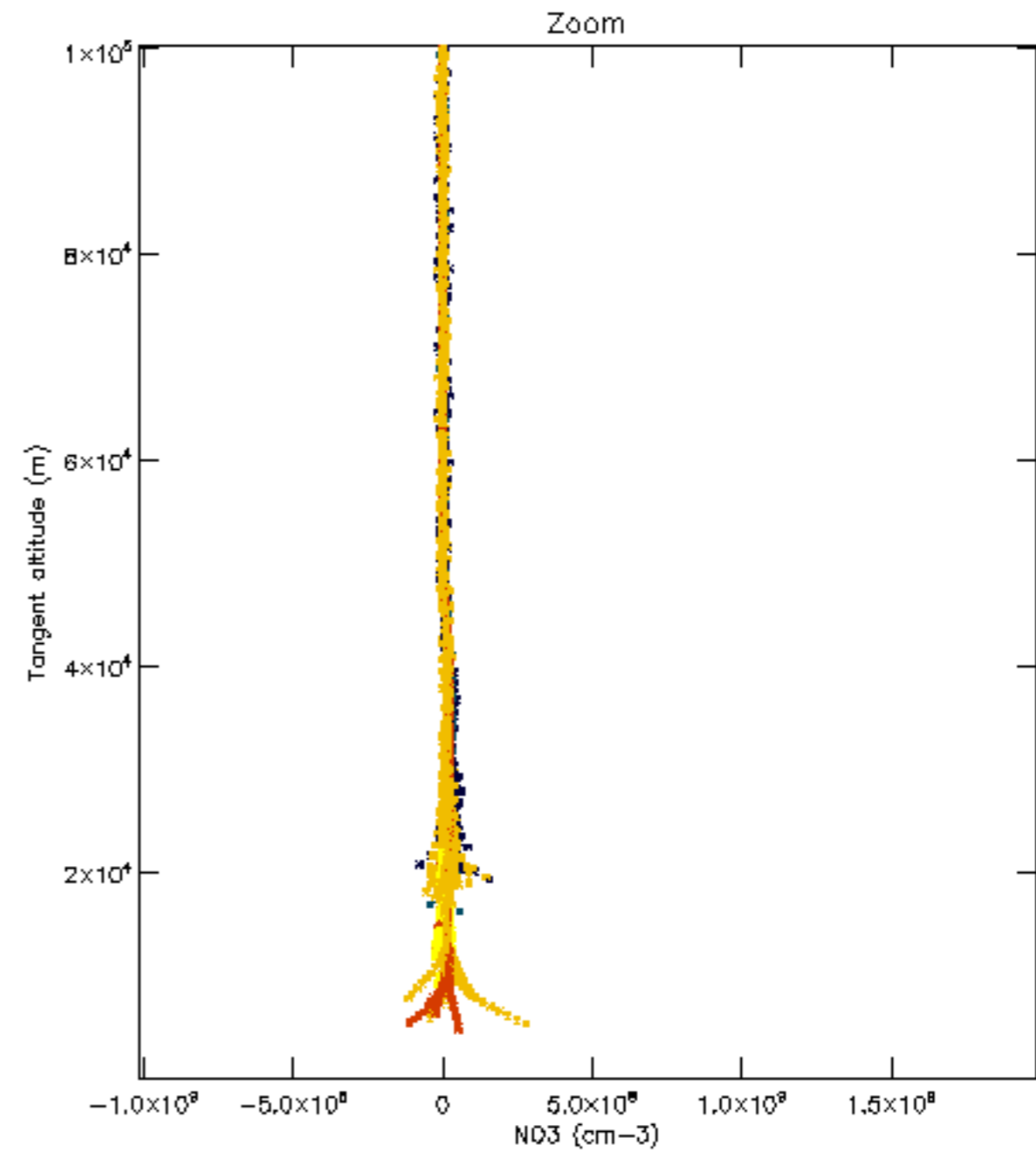
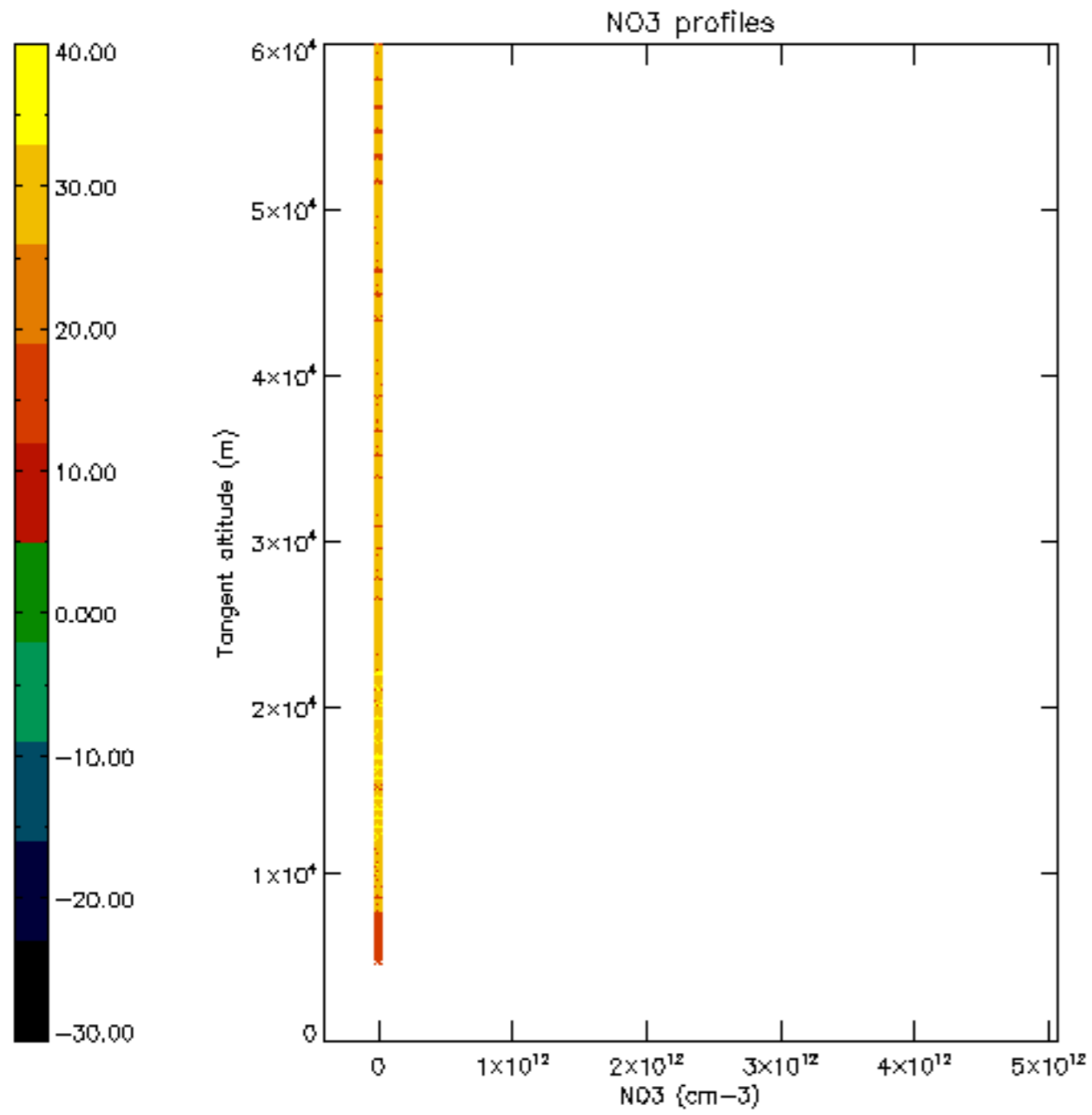


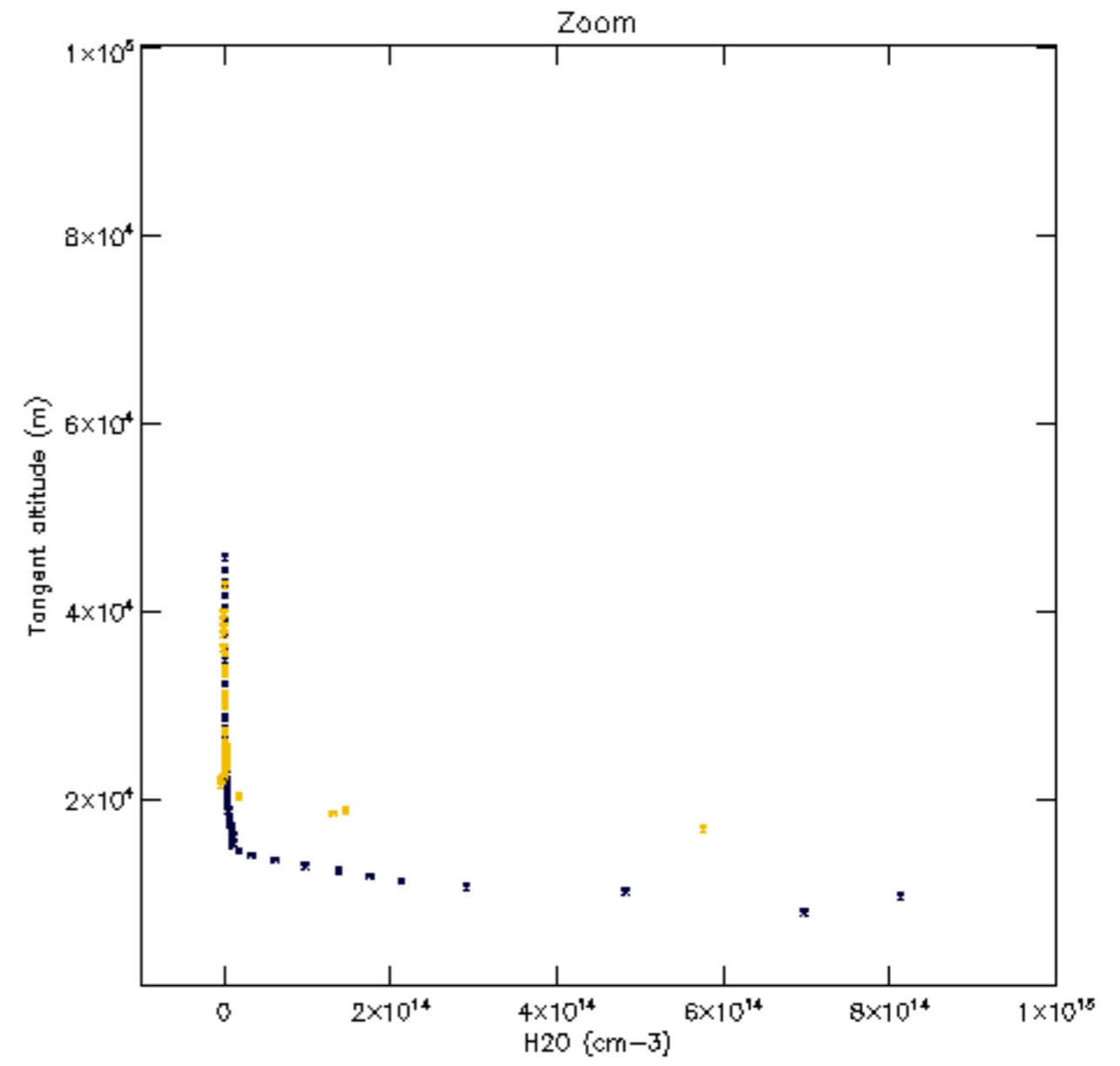
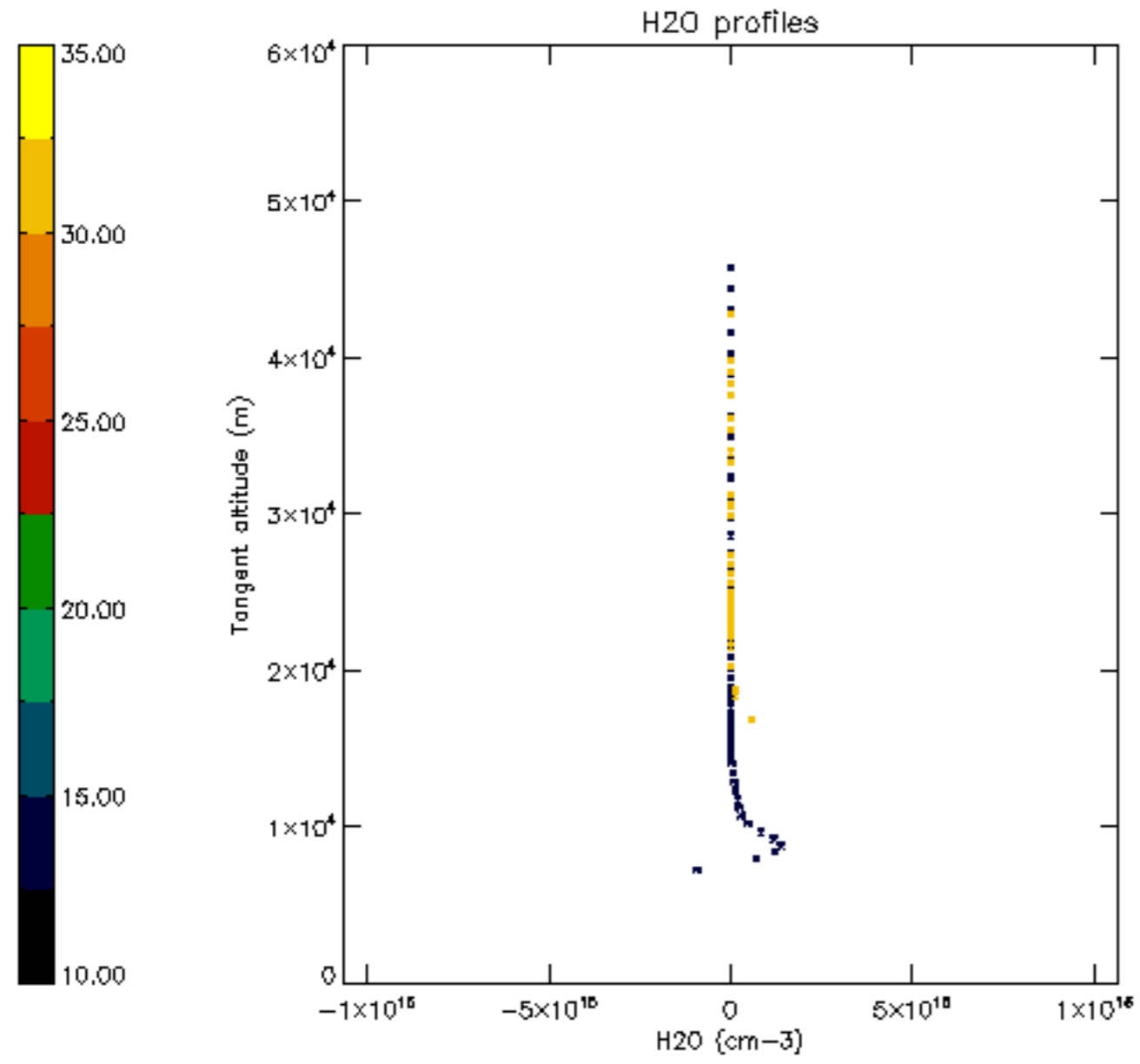


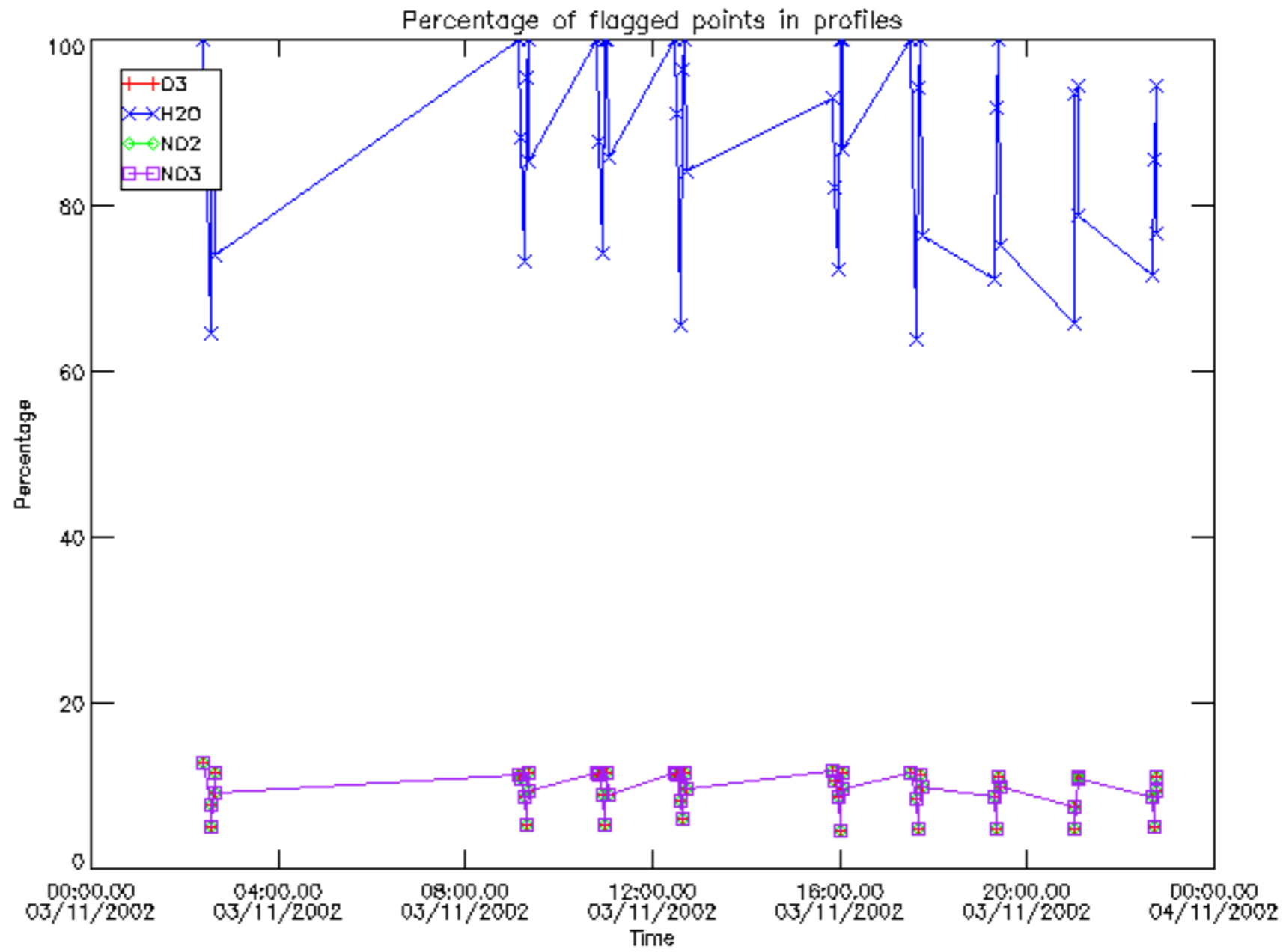




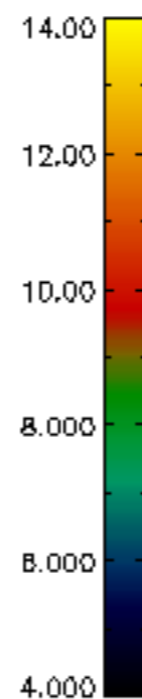
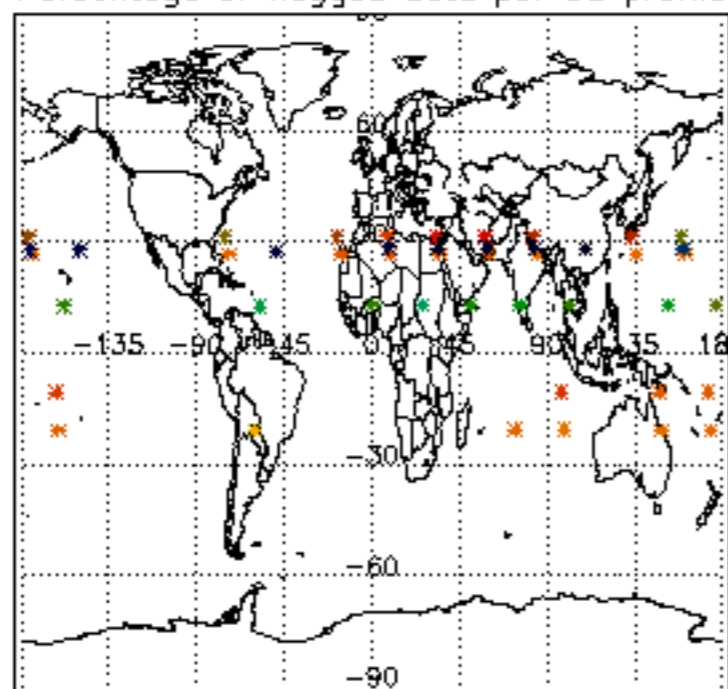




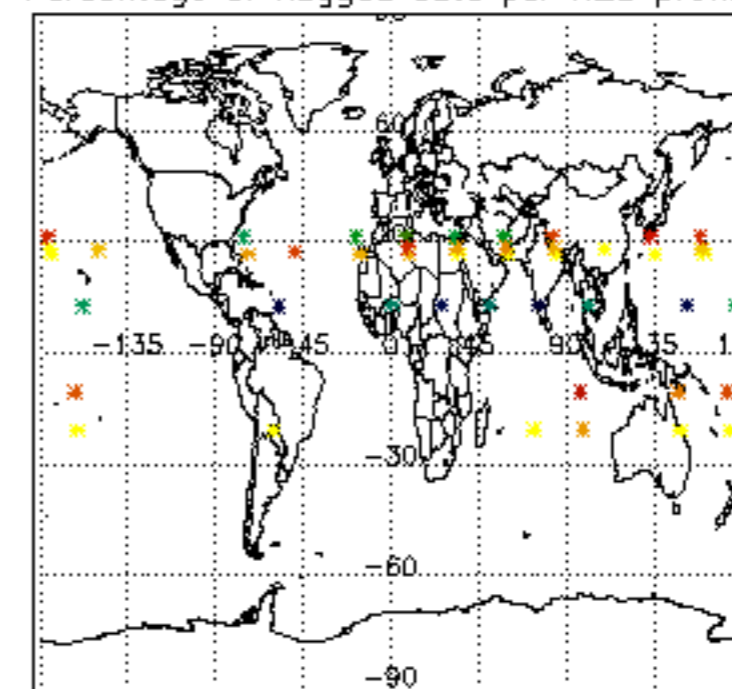




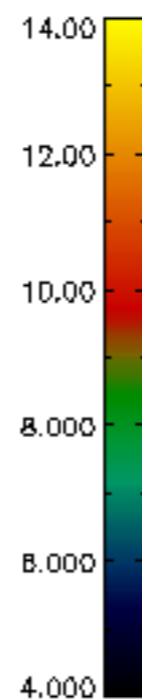
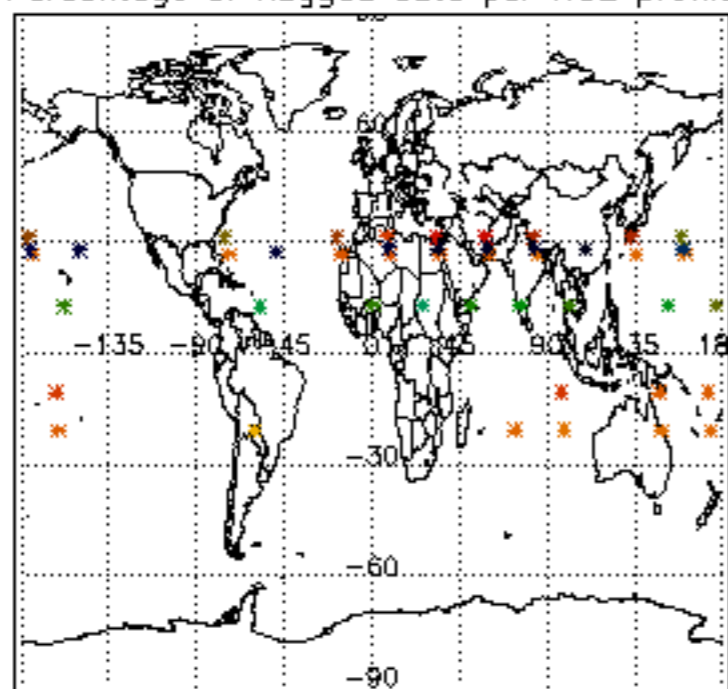
Percentage of flagged data per D3 profile



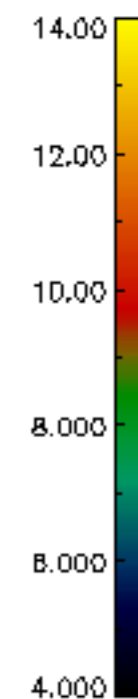
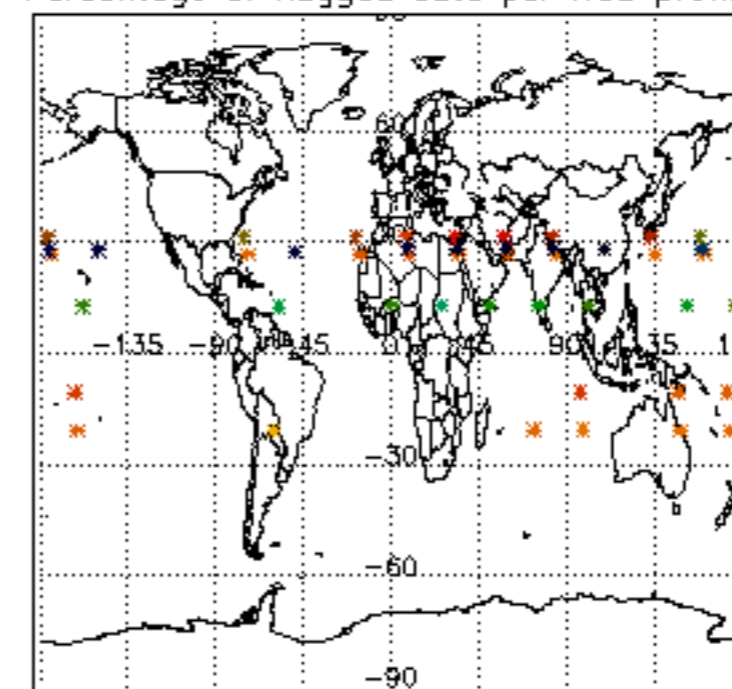
Percentage of flagged data per H2O profile

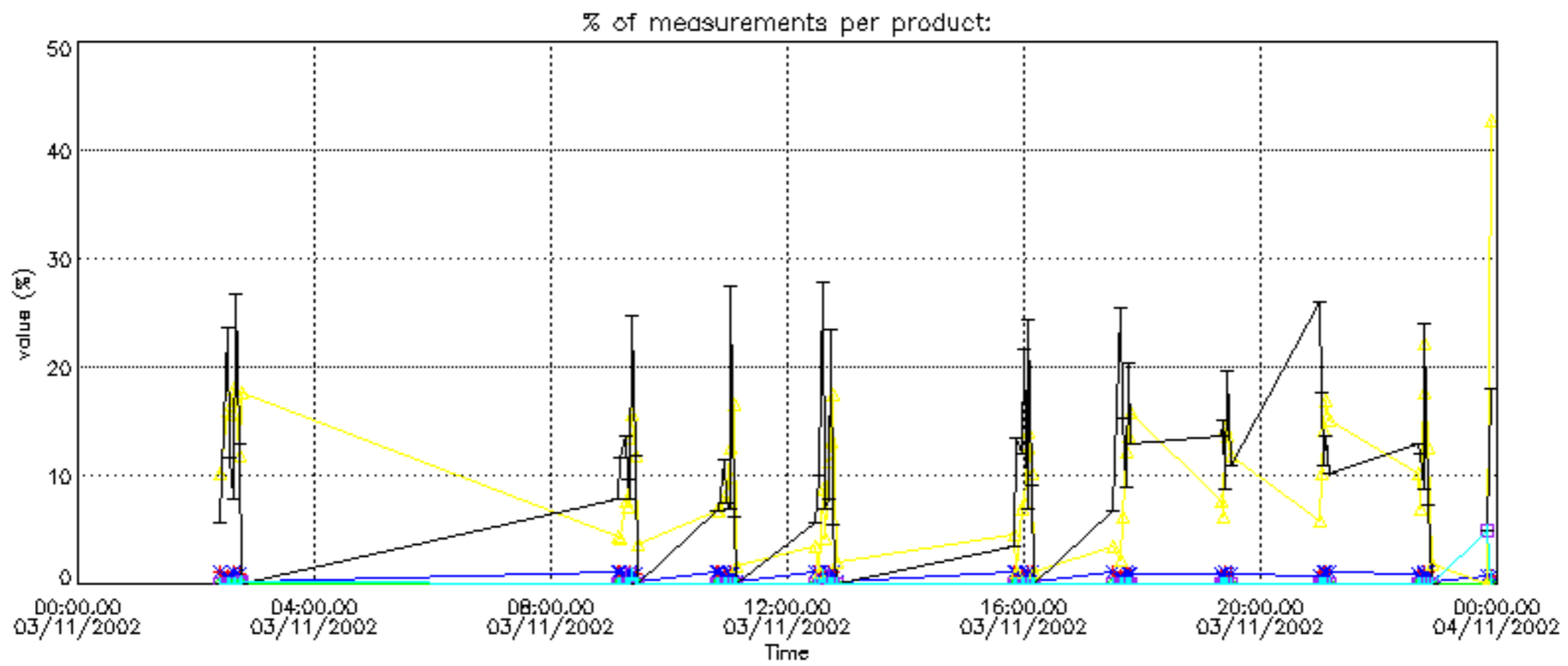


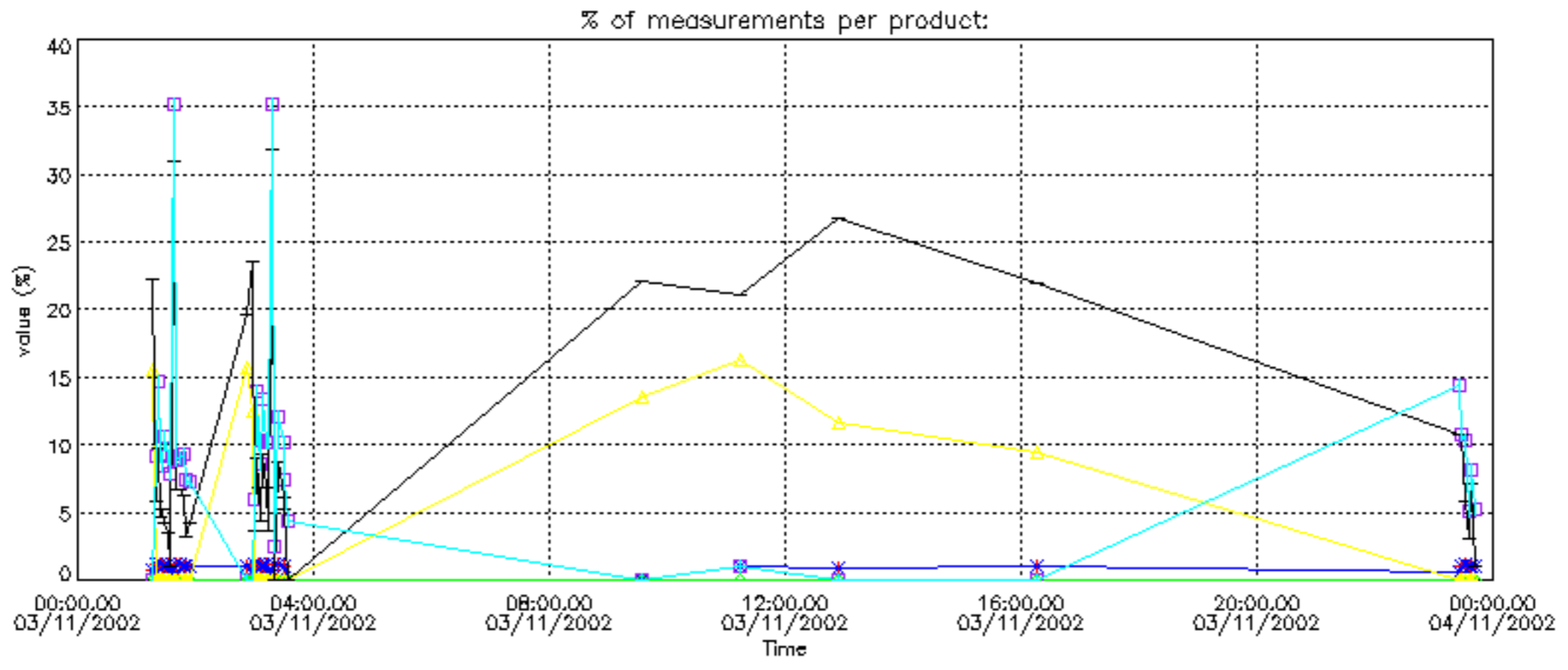
Percentage of flagged data per NO2 profile



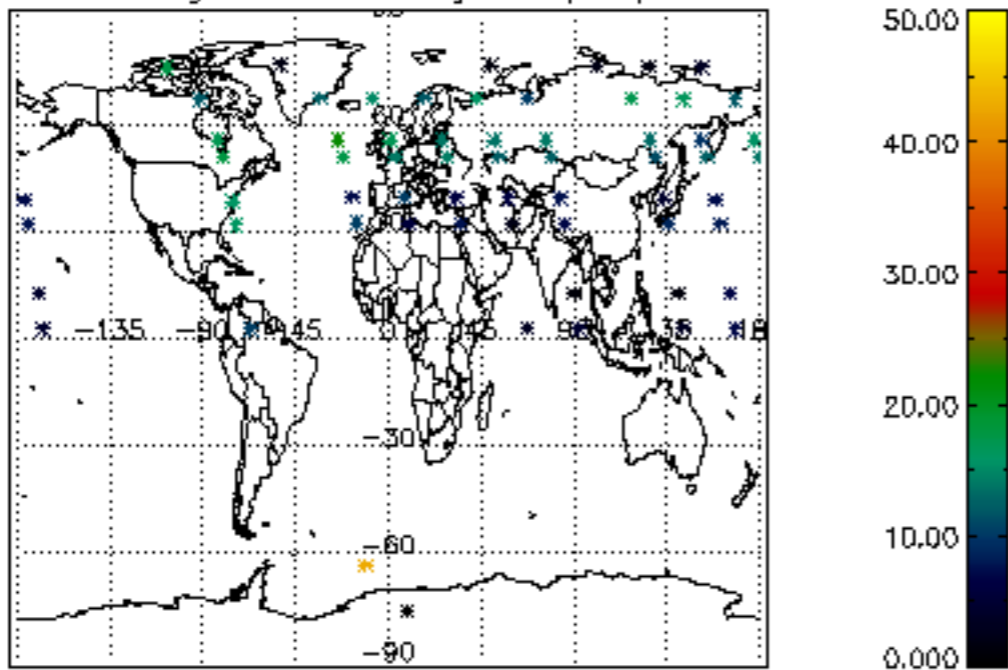
Percentage of flagged data per NO3 profile



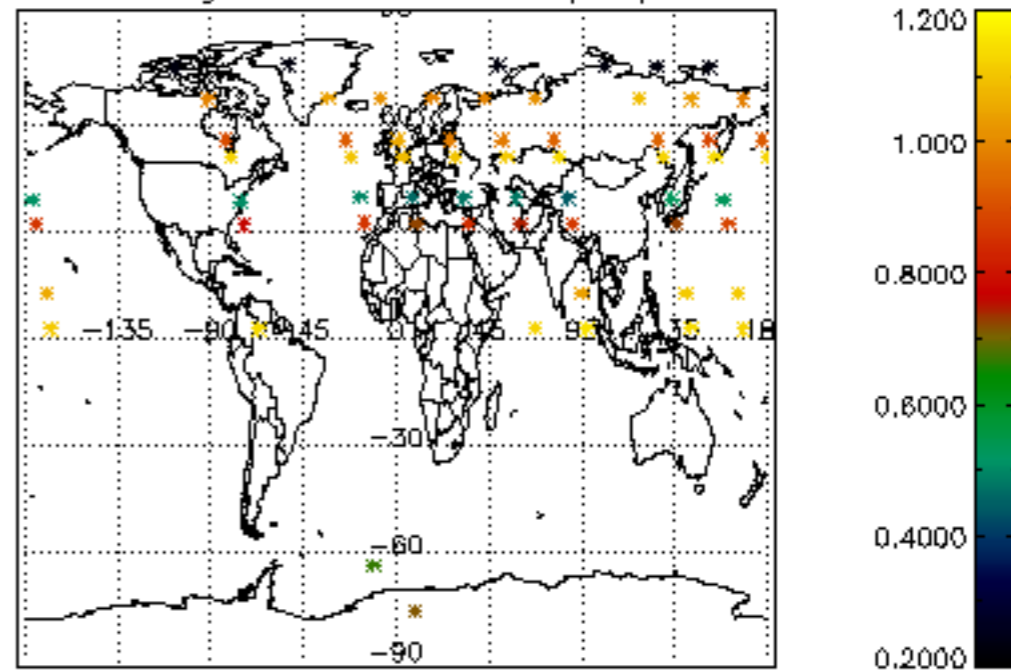




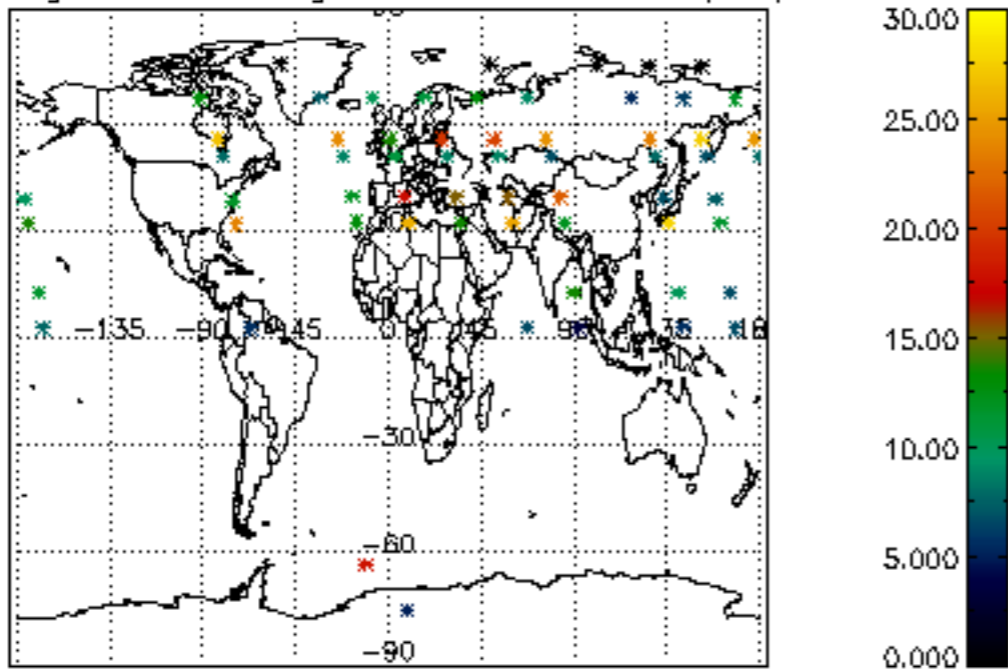
Percentage of cosmic ray hits per profile



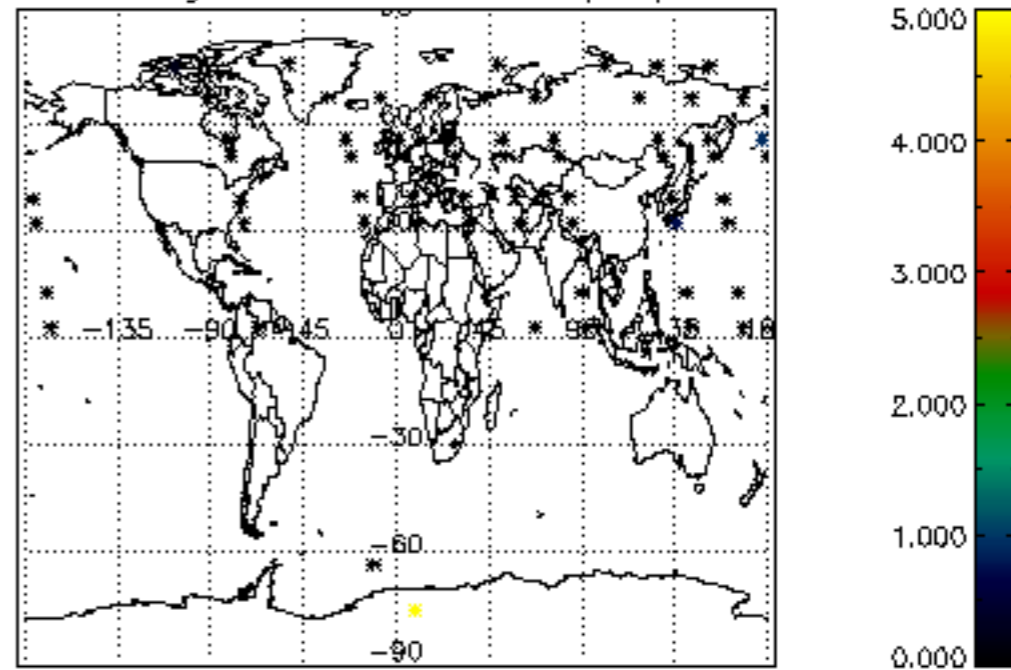
Percentage of datation errors per profile



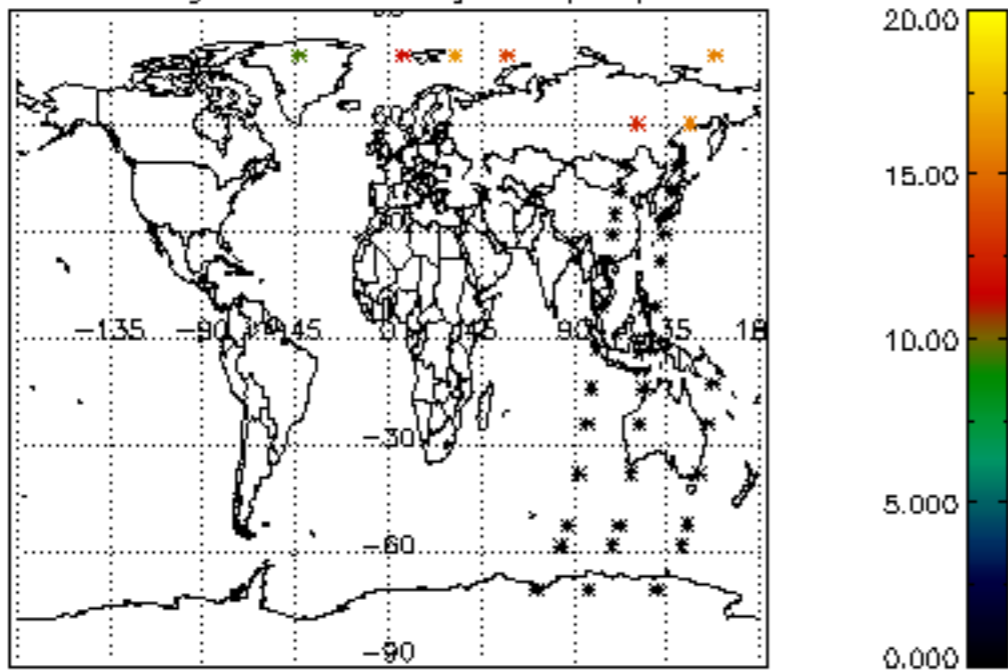
Percentage of star falling outside central band per profile



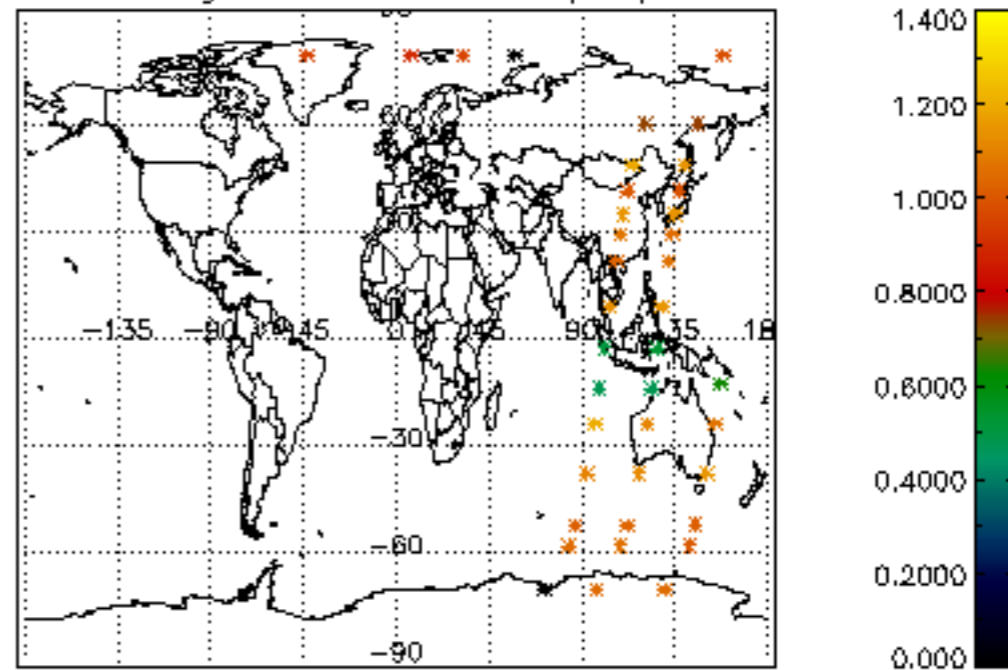
Percentage of saturation errors per profile



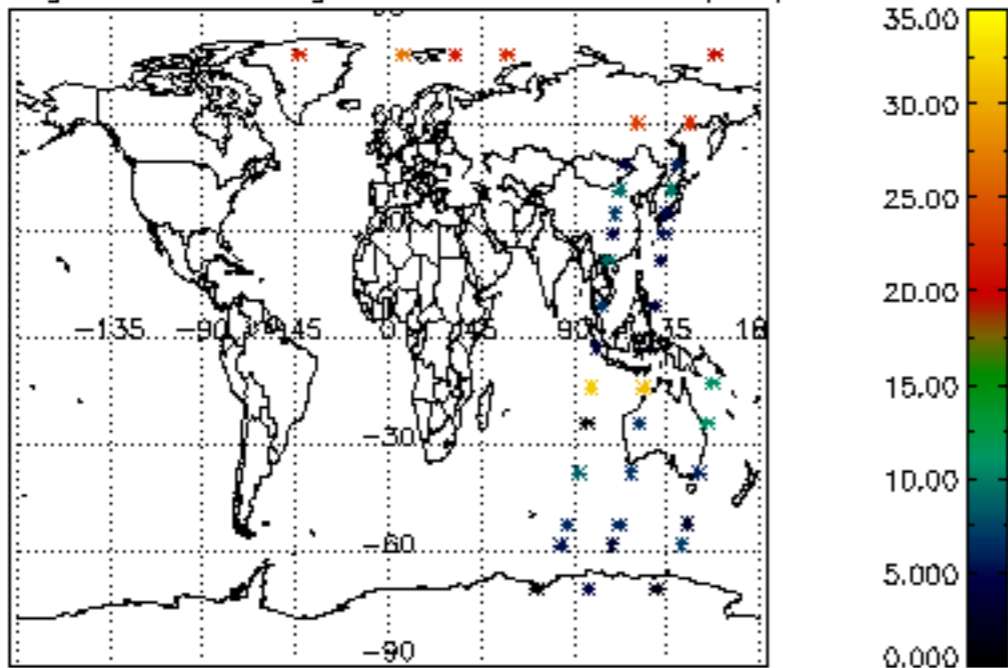
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

