

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	25APR2013 22:14:24
Data source version	GOMOS/6.01
Start time of products	16-11-2008 (16NOV2008 00:00:00)
Stop time of products	17-11-2008 (17NOV2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	94
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

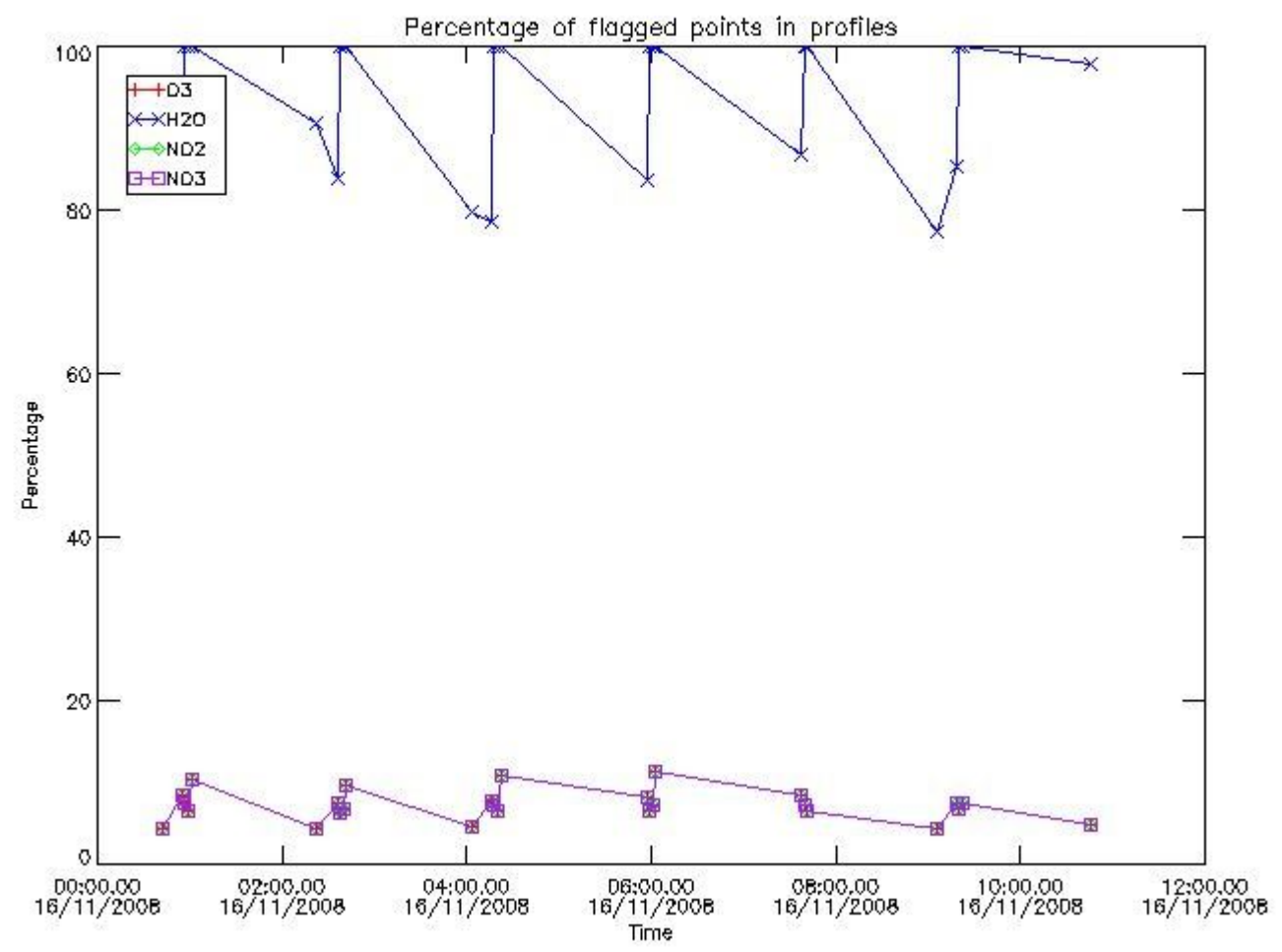
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081116_002144_000000482073_00474_35097_2012.N1	16-NOV-2008 00:21:44	Bright	48.000	96	68Del Leo	2.5600	9300.0	96	35097	No
2	GOM_NL__2PRFIN20081116_002334_000001042073_00474_35097_2013.N1	16-NOV-2008 00:23:34	Twilight	104.000	166	17Eps Leo	2.9800	6000.0	208	35097	No
3	GOM_NL__2PRFIN20081116_002827_000000882073_00474_35097_2014.N1	16-NOV-2008 00:28:27	Twilight	88.000	22	32Alp Leo	1.3600	15200.	176	35097	No
4	GOM_NL__2PRFIN20081116_004158_000001192073_00474_35097_2015.N1	16-NOV-2008 00:41:58	Dark	119.000	48	30Alp Hya	1.9770	4100.0	238	35097	No
5	GOM_NL__2PRFIN20081116_005502_000000672073_00475_35098_2110.N1	16-NOV-2008 00:55:02	Dark	67.000	117	Pi Pup	2.7060	3800.0	134	35098	No
6	GOM_NL__2PRFIN20081116_005653_000000812073_00475_35098_2111.N1	16-NOV-2008 00:56:53	Dark	80.500	88	31Eta CMa	2.4480	20000.	161	35098	No
7	GOM_NL__2PRFIN20081116_005906_000000782073_00475_35098_2112.N1	16-NOV-2008 00:59:06	Dark	78.000	23	21Eps CMa	1.5020	26000.	156	35098	No
8	GOM_NL__2PRFIN20081116_010121_000000542073_00475_35098_2113.N1	16-NOV-2008 01:01:21	Dark	53.500	108	Alp Col	2.6520	15200.	107	35098	No
9	GOM_NL__2PRFIN20081116_010733_000000622073_00475_35098_2114.N1	16-NOV-2008 01:07:33	Straylight	62.000	47	2Bet CMa	1.9760	28000.	124	35098	No
10	GOM_NL__2PRFIN20081116_011308_000000792073_00475_35098_2115.N1	16-NOV-2008 01:13:08	Twilight	79.000	7	19Bet Ori	0.10000	14000.	158	35098	No
11	GOM_NL__2PRFIN20081116_011507_000000922073_00475_35098_2116.N1	16-NOV-2008 01:15:07	Twilight	91.500	125	44Iot Ori	2.7700	30000.	183	35098	No
12	GOM_NL__2PRFIN20081116_012230_000000632073_00475_35098_2117.N1	16-NOV-2008 01:22:30	Bright	62.500	13	87Alp Tau	0.86700	3800.0	125	35098	No
13	GOM_NL__2PRFIN20081116_012923_000000572073_00475_35098_2118.N1	16-NOV-2008 01:29:23	Bright	57.000	114	31ot Aur	2.6930	4600.0	114	35098	No
14	GOM_NL__2PRFIN20081116_013342_000000552073_00475_35098_2119.N1	16-NOV-2008 01:33:42	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	35098	No
15	GOM_NL__2PRFIN20081116_013641_000000632073_00475_35098_2120.N1	16-NOV-2008 01:36:41	Bright	63.000	42	34Bet Aur	1.9000	10200.	126	35098	No
16	GOM_NL__2PRFIN20081116_020220_000000482073_00475_35098_2121.N1	16-NOV-2008 02:02:20	Bright	48.000	96	68Del Leo	2.5600	9300.0	96	35098	No
17	GOM_NL__2PRFIN20081116_020411_000001062073_00475_35098_2122.N1	16-NOV-2008 02:04:11	Twilight	106.000	166	17Eps Leo	2.9800	6000.0	212	35098	No
18	GOM_NL__2PRFIN20081116_020905_000000842073_00475_35098_2123.N1	16-NOV-2008 02:09:05	Twilight	84.000	22	32Alp Leo	1.3600	15200.	168	35098	No
19	GOM_NL__2PRFIN20081116_022237_000001172073_00475_35098_2124.N1	16-NOV-2008 02:22:37	Dark	117.000	48	30Alp Hya	1.9770	4100.0	234	35098	No
20	GOM_NL__2PRFIN20081116_023539_000000692073_00476_35099_2121.N1	16-NOV-2008 02:35:39	Dark	69.000	117	Pi Pup	2.7060	3800.0	138	35099	No
21	GOM_NL__2PRFIN20081116_023730_000000812073_00476_35099_2122.N1	16-NOV-2008 02:37:30	Dark	81.000	88	31Eta CMa	2.4480	20000.	162	35099	No
22	GOM_NL__2PRFIN20081116_023943_000000762073_00476_35099_2123.N1	16-NOV-2008 02:39:43	Dark	76.000	23	21Eps CMa	1.5020	26000.	152	35099	No
23	GOM_NL__2PRFIN20081116_024158_000000532073_00476_35099_2124.N1	16-NOV-2008 02:41:58	Dark	53.000	108	Alp Col	2.6520	15200.	106	35099	No
24	GOM_NL__2PRFIN20081116_024809_000000622073_00476_35099_2125.N1	16-NOV-2008 02:48:09	Straylight	62.000	47	2Bet CMa	1.9760	28000.	124	35099	No
25	GOM_NL__2PRFIN20081116_025344_000000812073_00476_35099_2126.N1	16-NOV-2008 02:53:44	Twilight	81.000	7	19Bet Ori	0.10000	14000.	162	35099	No
26	GOM_NL__2PRFIN20081116_025543_000000922073_00476_35099_2127.N1	16-NOV-2008 02:55:43	Twilight	92.000	125	44Iot Ori	2.7700	30000.	184	35099	No
27	GOM_NL__2PRFIN20081116_030305_000000612073_00476_35099_2128.N1	16-NOV-2008 03:03:05	Bright	60.500	13	87Alp Tau	0.86700	3800.0	121	35099	No
28	GOM_NL__2PRFIN20081116_030958_000000592073_00476_35099_2129.N1	16-NOV-2008 03:09:58	Bright	59.000	114	31ot Aur	2.6930	4600.0	118	35099	No
29	GOM_NL__2PRFIN20081116_031417_000000562073_00476_35099_2130.N1	16-NOV-2008 03:14:17	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	35099	No
30	GOM_NL__2PRFIN20081116_031716_000000622073_00476_35099_2131.N1	16-NOV-2008 03:17:16	Bright	62.000	42	34Bet Aur	1.9000	10200.	124	35099	No
31	GOM_NL__2PRFIN20081116_034256_000000502073_00476_35099_2132.N1	16-NOV-2008 03:42:56	Bright	49.500	96	68Del Leo	2.5600	9300.0	99	35099	No
32	GOM_NL__2PRFIN20081116_034448_000001032073_00476_35099_2133.N1	16-NOV-2008 03:44:48	Twilight	102.500	166	17Eps Leo	2.9800	6000.0	205	35099	No
33	GOM_NL__2PRFIN20081116_034942_000000902073_00476_35099_2134.N1	16-NOV-2008 03:49:42	Twilight	89.500	22	32Alp Leo	1.3600	15200.	179	35099	No
34	GOM_NL__2PRFIN20081116_040316_000001242073_00476_35099_2135.N1	16-NOV-2008 04:03:16	Dark	123.500	48	30Alp Hya	1.9770	4100.0	247	35099	No
35	GOM_NL__2PRFIN20081116_041617_000000662073_00477_35100_2141.N1	16-NOV-2008 04:16:17	Dark	65.500	117	Pi Pup	2.7060	3800.0	131	35100	No
36	GOM_NL__2PRFIN20081116_041807_000000772073_00477_35100_2142.N1	16-NOV-2008 04:18:07	Dark	77.000	88	31Eta CMa	2.4480	20000.	154	35100	No
37	GOM_NL__2PRFIN20081116_042021_000000782073_00477_35100_2143.N1	16-NOV-2008 04:20:21	Dark	78.000	23	21Eps CMa	1.5020	26000.	156	35100	No
38	GOM_NL__2PRFIN20081116_042235_000000522073_00477_35100_2144.N1	16-NOV-2008 04:22:35	Dark	52.000	108	Alp Col	2.6520	15200.	104	35100	No
39	GOM_NL__2PRFIN20081116_042845_000000662073_00477_35100_2145.N1	16-NOV-2008 04:28:45	Straylight	66.000	47	2Bet CMa	1.9760	28000.	132	35100	No
40	GOM_NL__2PRFIN20081116_043420_000000852073_00477_35100_2146.N1	16-NOV-2008 04:34:20	Twilight	84.500	7	19Bet Ori	0.10000	14000.	169	35100	No
41	GOM_NL__2PRFIN20081116_043618_000000932073_00477_35100_2147.N1	16-NOV-2008 04:36:18	Twilight	93.000	125	44Iot Ori	2.7700	30000.	186	35100	No
42	GOM_NL__2PRFIN20081116_044246_000000262073_00477_35100_2148.N1	16-NOV-2008 04:42:46	Straylight	26.000	27	24Gam Ori	1.6360	26000.	52	35100	No

43	GOM_NL__2PRFIN20081116_044340_000000612073_00477_35100_2149.N1	16-NOV-2008 04:43:40	Bright	61.000	13	87Alp Tau	0.86700	3800.0	122	35100	No
44	GOM_NL__2PRFIN20081116_045033_000000592073_00477_35100_2150.N1	16-NOV-2008 04:50:33	Bright	59.000	114	31ot Aur	2.6930	4600.0	118	35100	No
45	GOM_NL__2PRFIN20081116_045452_000000572073_00477_35100_2151.N1	16-NOV-2008 04:54:52	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	35100	No
46	GOM_NL__2PRFIN20081116_045751_000000622073_00477_35100_2152.N1	16-NOV-2008 04:57:51	Bright	61.500	42	34Bet Aur	1.9000	10200.	123	35100	No
47	GOM_NL__2PRFIN20081116_052333_000000492073_00477_35100_2153.N1	16-NOV-2008 05:23:33	Bright	48.500	96	68Del Leo	2.5600	9300.0	97	35100	No
48	GOM_NL__2PRFIN20081116_052525_000001072073_00477_35100_2154.N1	16-NOV-2008 05:25:25	Tw_i_and_stray	106.50	166	17Eps Leo	2.9800	6000.0	213	35100	No
49	GOM_NL__2PRFIN20081116_053020_000000942073_00477_35100_2155.N1	16-NOV-2008 05:30:20	Tw_i_and_stray	94.000	22	32Alp Leo	1.3600	15200.	188	35100	No
50	GOM_NL__2PRFIN20081116_055654_000000622073_00478_35101_2154.N1	16-NOV-2008 05:56:54	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	35101	No
51	GOM_NL__2PRFIN20081116_055845_000000782073_00478_35101_2155.N1	16-NOV-2008 05:58:45	Dark	78.000	88	31Eta CMa	2.4480	20000.	156	35101	No
52	GOM_NL__2PRFIN20081116_060058_000000772073_00478_35101_2156.N1	16-NOV-2008 06:00:58	Dark	77.000	23	21Eps CMa	1.5020	26000.	154	35101	No
53	GOM_NL__2PRFIN20081116_060311_000000492073_00478_35101_2157.N1	16-NOV-2008 06:03:11	Dark	49.000	108	Alp Col	2.6520	15200.	98	35101	No
54	GOM_NL__2PRFIN20081116_060922_000000662073_00478_35101_2158.N1	16-NOV-2008 06:09:22	Straylight	66.000	47	2Bet CMa	1.9760	28000.	132	35101	No
55	GOM_NL__2PRFIN20081116_061455_000000872073_00478_35101_2159.N1	16-NOV-2008 06:14:55	Tw_i_and_stray	86.500	7	19Bet Ori	0.10000	14000.	173	35101	No
56	GOM_NL__2PRFIN20081116_061653_000000932073_00478_35101_2160.N1	16-NOV-2008 06:16:53	Tw_i_and_stray	93.000	125	441ot Ori	2.7700	30000.	186	35101	No
57	GOM_NL__2PRFIN20081116_062321_000000262073_00478_35101_2161.N1	16-NOV-2008 06:23:21	Straylight	26.000	27	24Gam Ori	1.6360	26000.	52	35101	No
58	GOM_NL__2PRFIN20081116_062415_000000602073_00478_35101_2162.N1	16-NOV-2008 06:24:15	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	35101	No
59	GOM_NL__2PRFIN20081116_063108_000000582073_00478_35101_2163.N1	16-NOV-2008 06:31:08	Bright	57.500	114	31ot Aur	2.6930	4600.0	115	35101	No
60	GOM_NL__2PRFIN20081116_063527_000000562073_00478_35101_2164.N1	16-NOV-2008 06:35:27	Bright	55.500	6	13Alp Aur	0.080000	3400.0	111	35101	No
61	GOM_NL__2PRFIN20081116_063825_000000632073_00478_35101_2165.N1	16-NOV-2008 06:38:25	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	35101	No
62	GOM_NL__2PRFIN20081116_070409_000000462073_00478_35101_2166.N1	16-NOV-2008 07:04:09	Bright	46.000	96	68Del Leo	2.5600	9300.0	92	35101	No
63	GOM_NL__2PRFIN20081116_070602_000001052073_00478_35101_2167.N1	16-NOV-2008 07:06:02	Tw_i_and_stray	104.50	166	17Eps Leo	2.9800	6000.0	209	35101	No
64	GOM_NL__2PRFIN20081116_071057_000000932073_00478_35101_2168.N1	16-NOV-2008 07:10:57	Tw_i_and_stray	92.500	22	32Alp Leo	1.3600	15200.	185	35101	No
65	GOM_NL__2PRFIN20081116_073731_000000612073_00479_35102_2167.N1	16-NOV-2008 07:37:31	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	35102	No
66	GOM_NL__2PRFIN20081116_073922_000000782073_00479_35102_2168.N1	16-NOV-2008 07:39:22	Dark	77.500	88	31Eta CMa	2.4480	20000.	155	35102	No
67	GOM_NL__2PRFIN20081116_074135_000000802073_00479_35102_2169.N1	16-NOV-2008 07:41:35	Dark	79.500	23	21Eps CMa	1.5020	26000.	159	35102	No
68	GOM_NL__2PRFIN20081116_074958_000000702073_00479_35102_2170.N1	16-NOV-2008 07:49:58	Straylight	69.500	47	2Bet CMa	1.9760	28000.	139	35102	No
69	GOM_NL__2PRFIN20081116_075531_000000782073_00479_35102_2171.N1	16-NOV-2008 07:55:31	Tw_i_and_stray	78.000	7	19Bet Ori	0.10000	14000.	156	35102	No
70	GOM_NL__2PRFIN20081116_075728_000000932073_00479_35102_2172.N1	16-NOV-2008 07:57:28	Tw_i_and_stray	92.500	125	441ot Ori	2.7700	30000.	185	35102	No
71	GOM_NL__2PRFIN20081116_080043_000000292073_00479_35102_2173.N1	16-NOV-2008 08:00:43	Tw_i_and_stray	29.000	72	34Del Ori	2.2500	30000.	58	35102	No
72	GOM_NL__2PRFIN20081116_080450_000000612073_00479_35102_2174.N1	16-NOV-2008 08:04:50	Bright	60.500	13	87Alp Tau	0.86700	3800.0	121	35102	No
73	GOM_NL__2PRFIN20081116_081142_000000582073_00479_35102_2175.N1	16-NOV-2008 08:11:42	Bright	58.000	114	31ot Aur	2.6930	4600.0	116	35102	No
74	GOM_NL__2PRFIN20081116_081602_000000572073_00479_35102_2176.N1	16-NOV-2008 08:16:02	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	35102	No
75	GOM_NL__2PRFIN20081116_081900_000000632073_00479_35102_2177.N1	16-NOV-2008 08:19:00	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	35102	No
76	GOM_NL__2PRFIN20081116_084446_000000472073_00479_35102_2178.N1	16-NOV-2008 08:44:46	Bright	46.500	96	68Del Leo	2.5600	9300.0	93	35102	No
77	GOM_NL__2PRFIN20081116_084639_000001092073_00479_35102_2179.N1	16-NOV-2008 08:46:39	Tw_i_and_stray	108.50	166	17Eps Leo	2.9800	6000.0	217	35102	No
78	GOM_NL__2PRFIN20081116_085135_000000892073_00479_35102_2180.N1	16-NOV-2008 08:51:35	Tw_i_and_stray	88.500	22	32Alp Leo	1.3600	15200.	177	35102	No
79	GOM_NL__2PRFIN20081116_090514_000001182073_00479_35102_2181.N1	16-NOV-2008 09:05:14	Dark	118.00	48	30Alp Hya	1.9770	4100.0	236	35102	No
80	GOM_NL__2PRFIN20081116_091808_000000692073_00480_35103_2180.N1	16-NOV-2008 09:18:08	Dark	69.000	117	Pi Pup	2.7060	3800.0	138	35103	No
81	GOM_NL__2PRFIN20081116_092000_000000762073_00480_35103_2181.N1	16-NOV-2008 09:20:00	Dark	75.500	88	31Eta CMa	2.4480	20000.	151	35103	No
82	GOM_NL__2PRFIN20081116_092212_000000752073_00480_35103_2182.N1	16-NOV-2008 09:22:12	Dark	75.000	23	21Eps CMa	1.5020	26000.	150	35103	No
83	GOM_NL__2PRFIN20081116_093034_000000702073_00480_35103_2183.N1	16-NOV-2008 09:30:34	Straylight	69.500	47	2Bet CMa	1.9760	28000.	139	35103	No
84	GOM_NL__2PRFIN20081116_093607_000000862073_00480_35103_2184.N1	16-NOV-2008 09:36:07	Tw_i_and_stray	85.500	7	19Bet Ori	0.10000	14000.	171	35103	No
85	GOM_NL__2PRFIN20081116_093803_000000962073_00480_35103_2185.N1	16-NOV-2008 09:38:03	Tw_i_and_stray	95.500	125	441ot Ori	2.7700	30000.	191	35103	No
86	GOM_NL__2PRFIN20081116_094118_000000292073_00480_35103_2186.N1	16-NOV-2008 09:41:18	Tw_i_and_stray	29.000	72	34Del Ori	2.2500	30000.	58	35103	No
87	GOM_NL__2PRFIN20081116_094525_000000602073_00480_35103_2187.N1	16-NOV-2008 09:45:25	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	35103	No
88	GOM_NL__2PRFIN20081116_095217_000000602073_00480_35103_2188.N1	16-NOV-2008 09:52:17	Bright	60.000	114	31ot Aur	2.6930	4600.0	120	35103	No
89	GOM_NL__2PRFIN20081116_095637_000000642073_00480_35103_2189.N1	16-NOV-2008 09:56:37	Bright	64.000	6	13Alp Aur	0.080000	3400.0	128	35103	No
90	GOM_NL__2PRFIN20081116_095934_000000582073_00480_35103_2190.N1	16-NOV-2008 09:59:34	Bright	58.000	42	34Bet Aur	1.9000	10200.	116	35103	No
91	GOM_NL__2PRFIN20081116_102522_000000472073_00480_35103_2191.N1	16-NOV-2008 10:25:22	Bright	47.000	96	68Del Leo	2.5600	9300.0	94	35103	No
92	GOM_NL__2PRFIN20081116_102716_000001082073_00480_35103_2192.N1	16-NOV-2008 10:27:16	Tw_i_and_stray	107.50	166	17Eps Leo	2.9800	6000.0	215	35103	No
93	GOM_NL__2PRFIN20081116_103212_000000942073_00480_35103_2193.N1	16-NOV-2008 10:32:12	Tw_i_and_stray	94.000	22	32Alp Leo	1.3600	15200.	188	35103	No
94	GOM_NL__2PRFIN20081116_104553_000001182073_00480_35103_2194.N1	16-NOV-2008 10:45:53	Dark	117.50	48	30Alp Hya	1.9770	4100.0	235	35103	No

3. Quality information per product

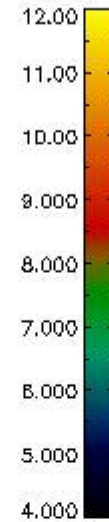
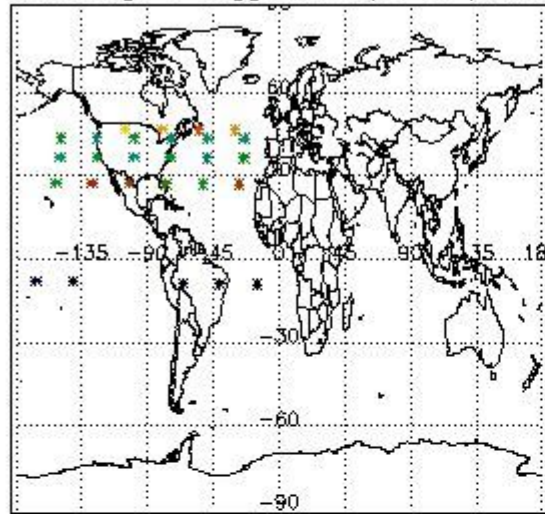
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

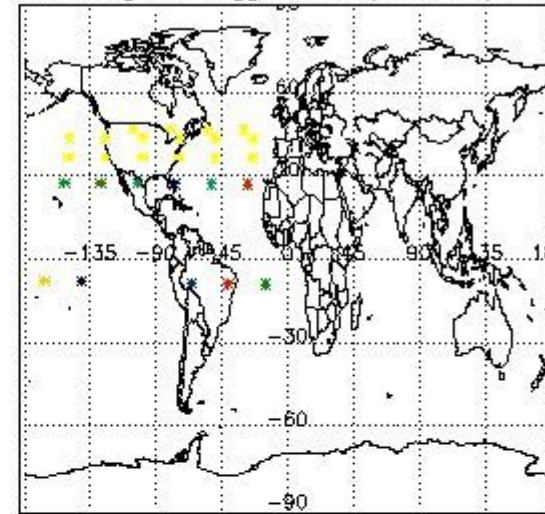


3.2 Plot quality information per product (world map)

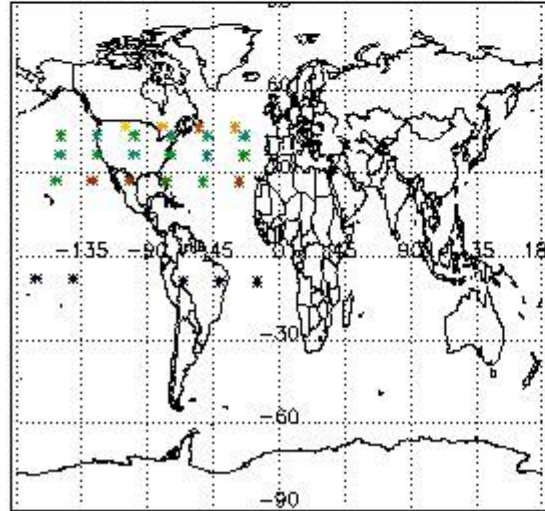
Percentage of flagged data per O3 profile



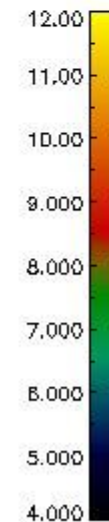
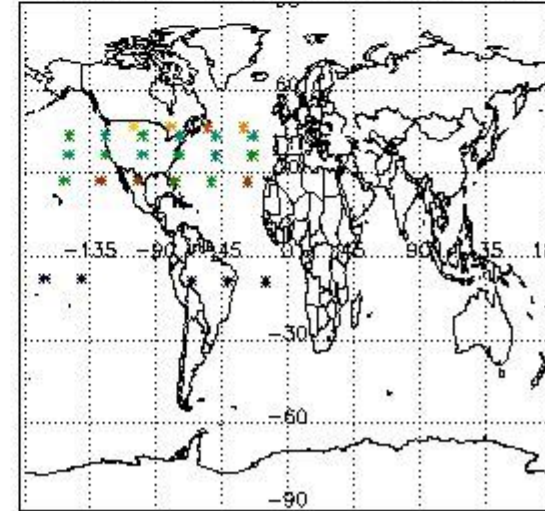
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

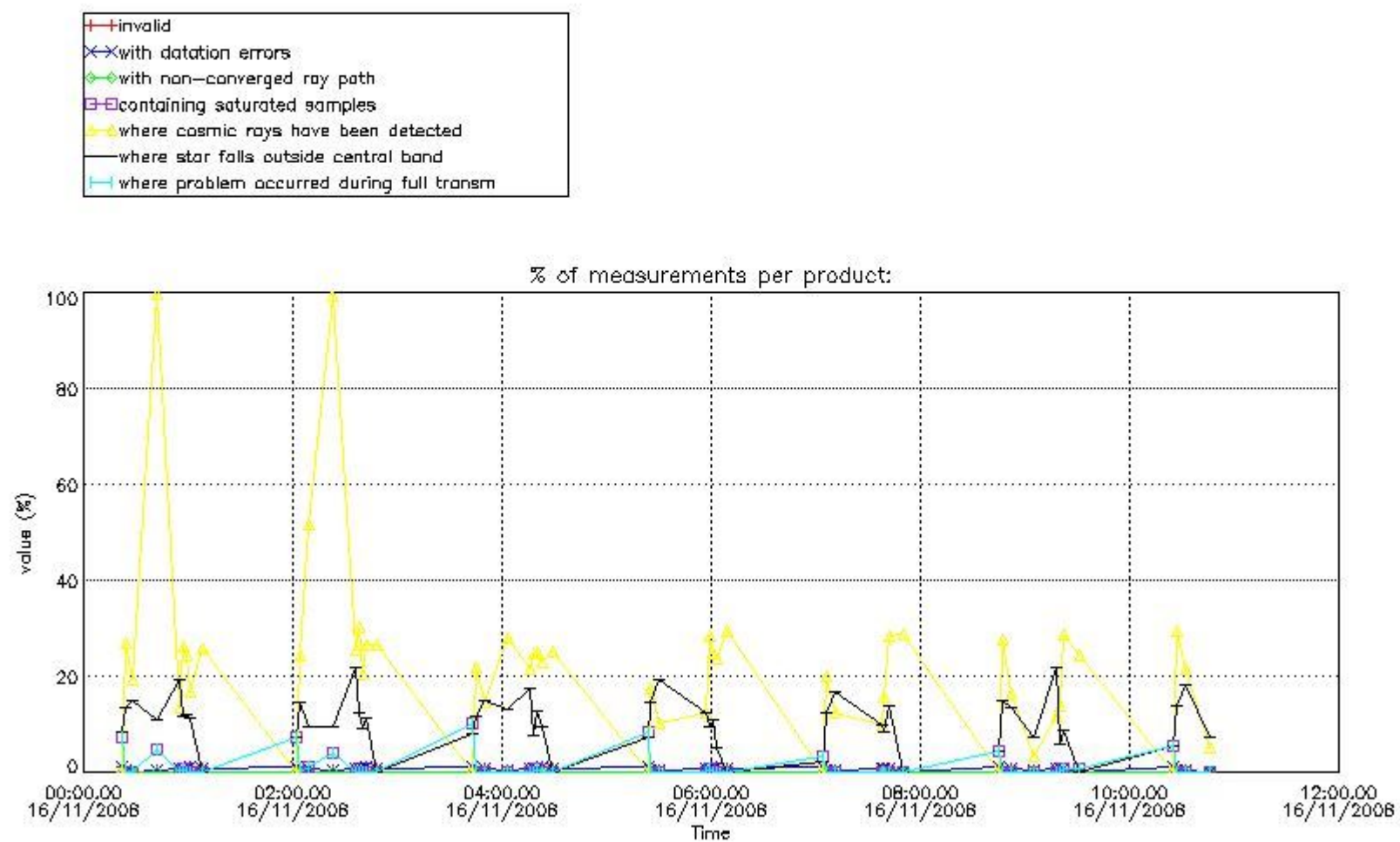


4. Level 1 quality information per product

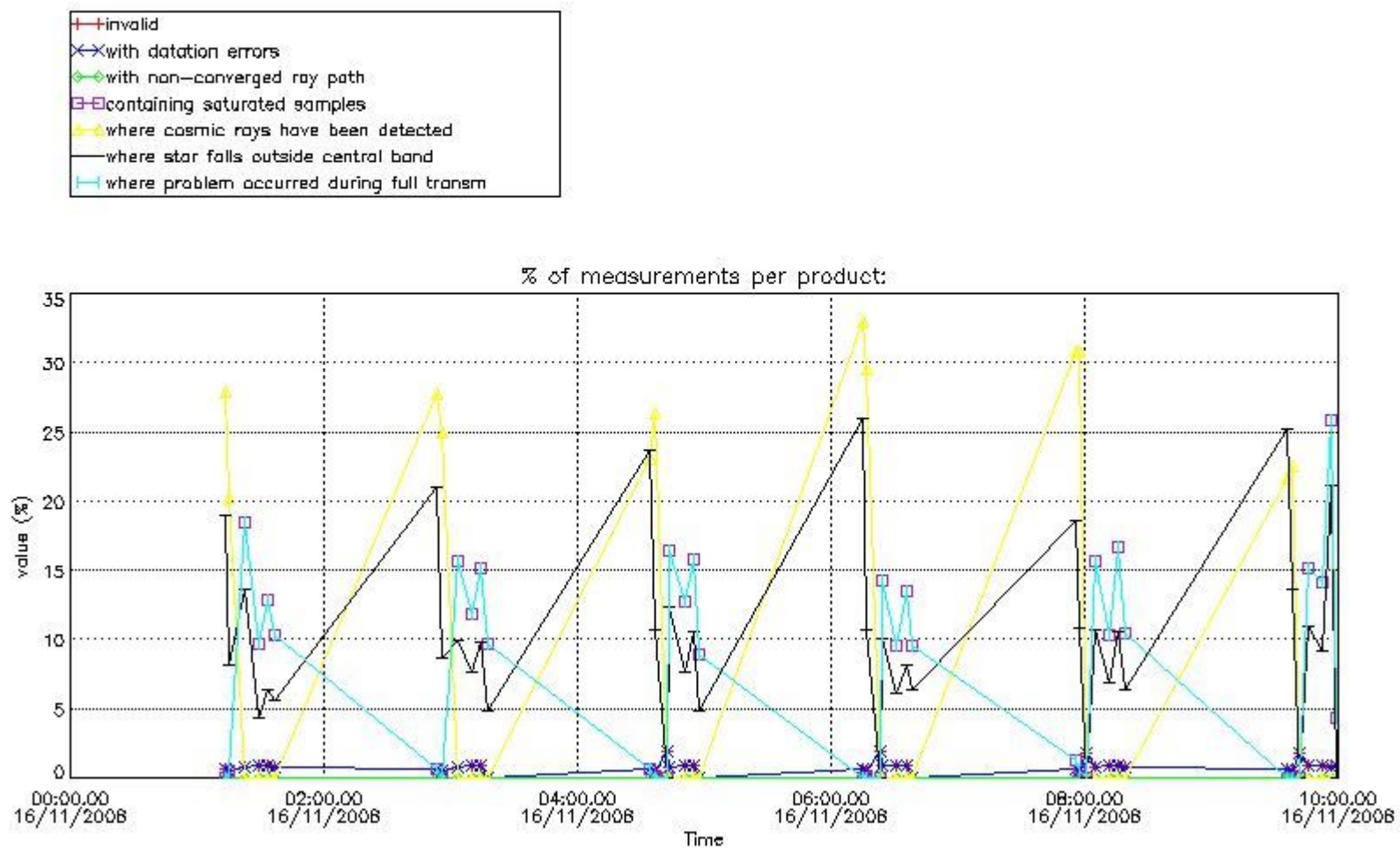
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

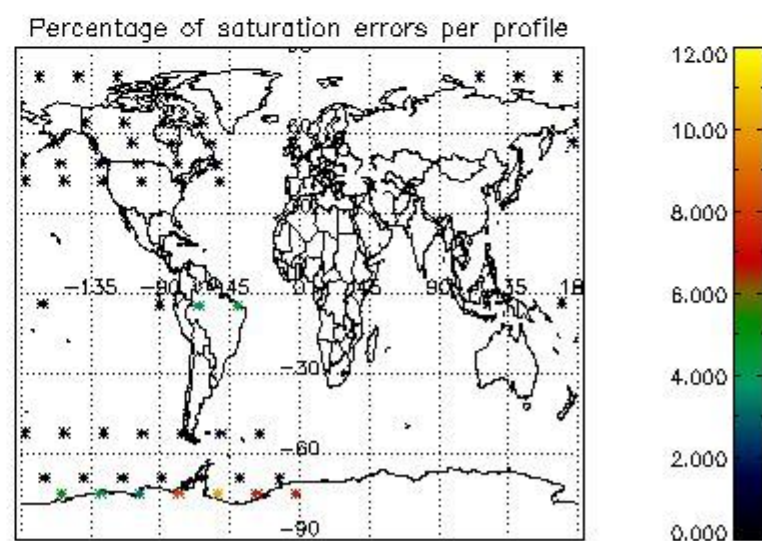
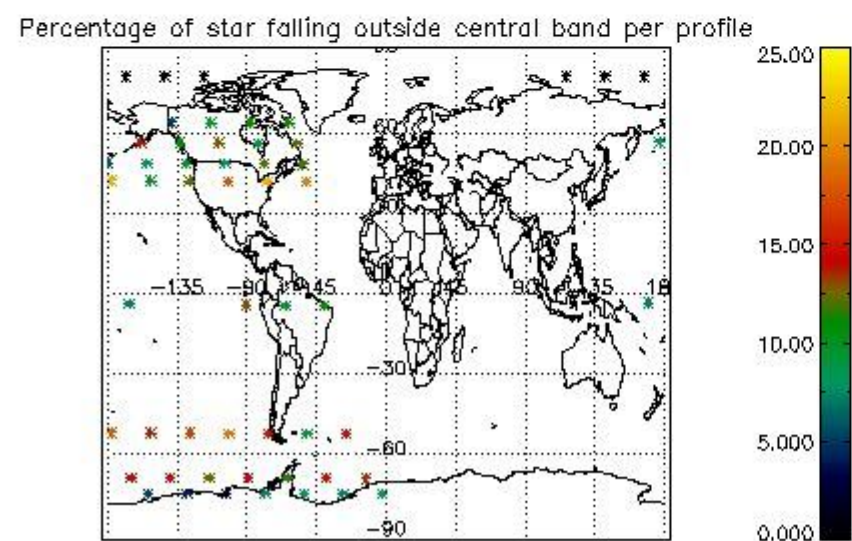
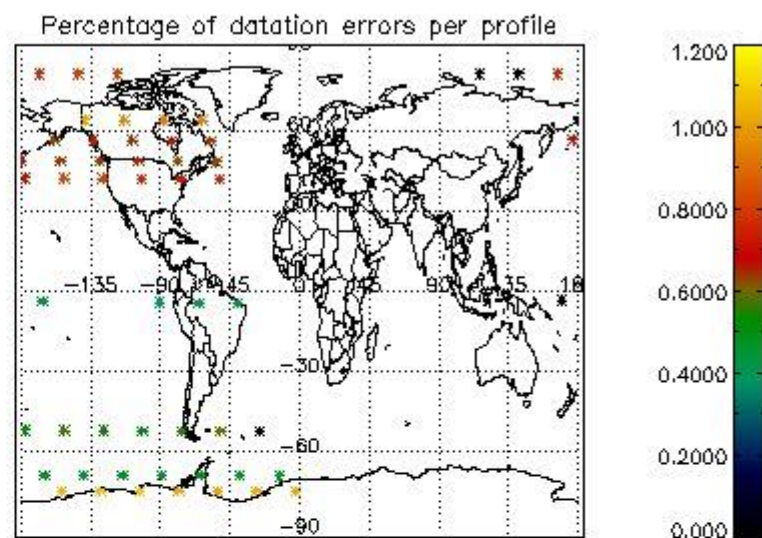
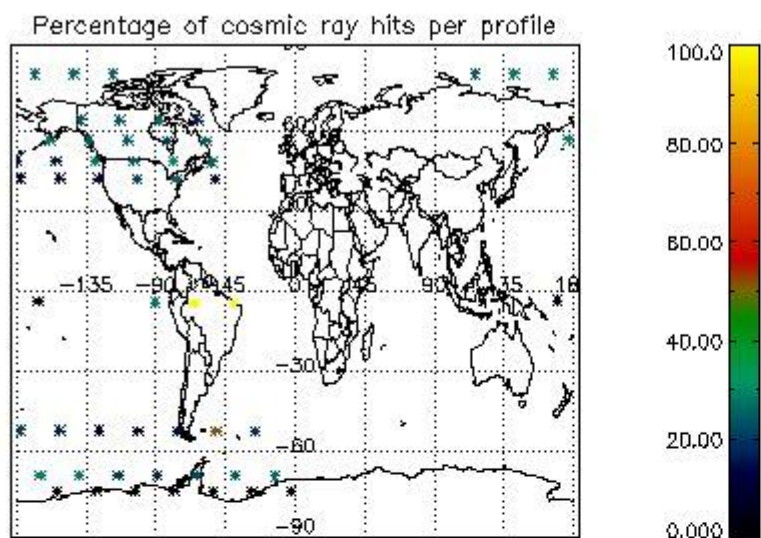


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



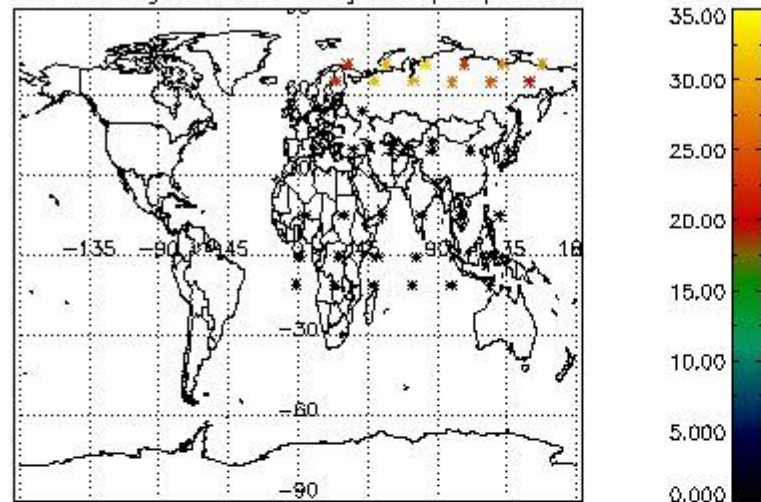
4.2 Plot quality information per product coming from level 1b processing (world map)

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

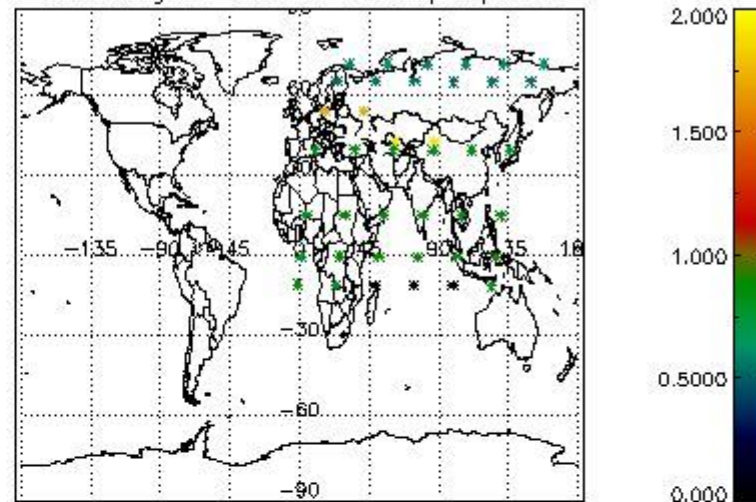


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

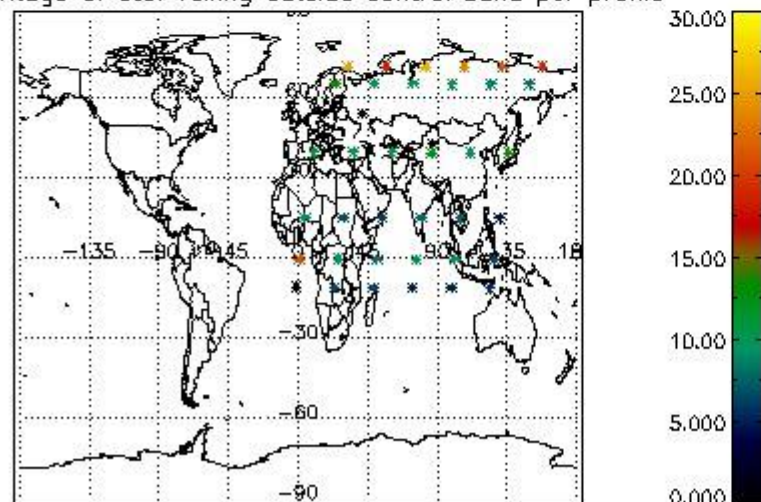
Percentage of cosmic ray hits per profile



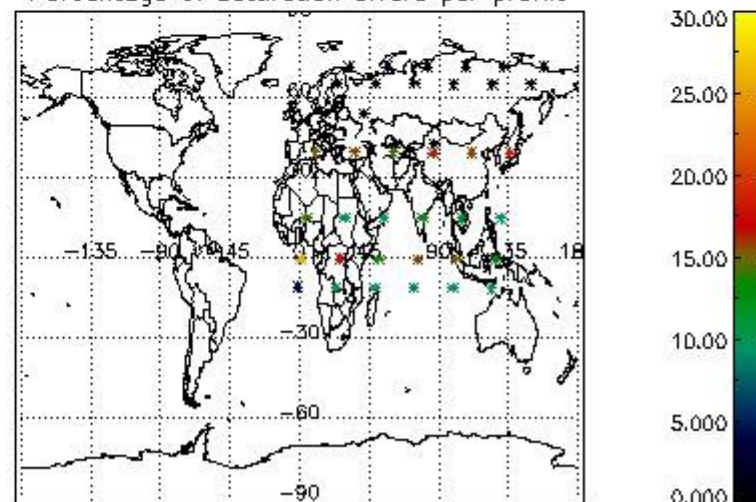
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

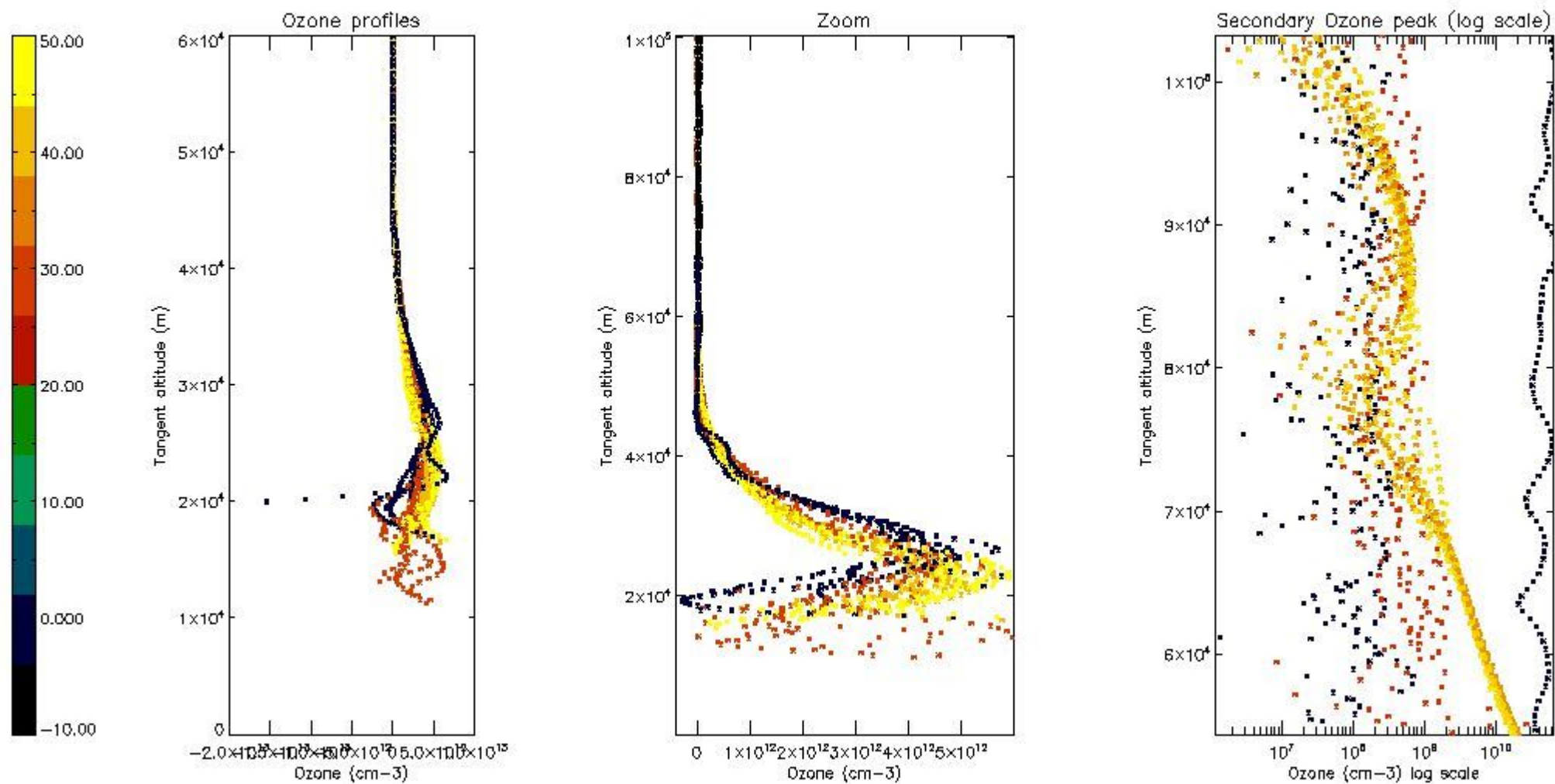
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	16

STD < 10	13
STD < 5	10

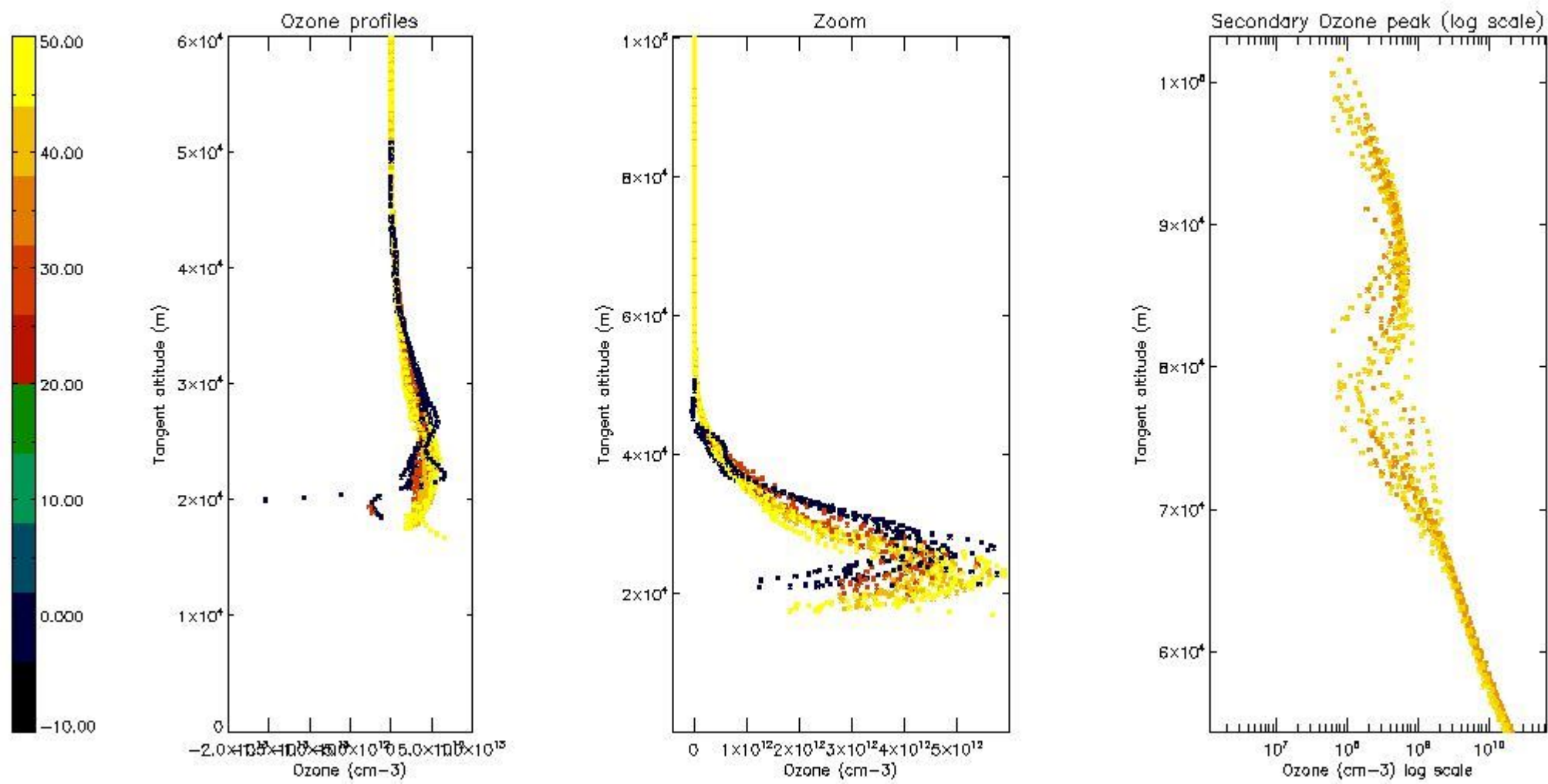
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



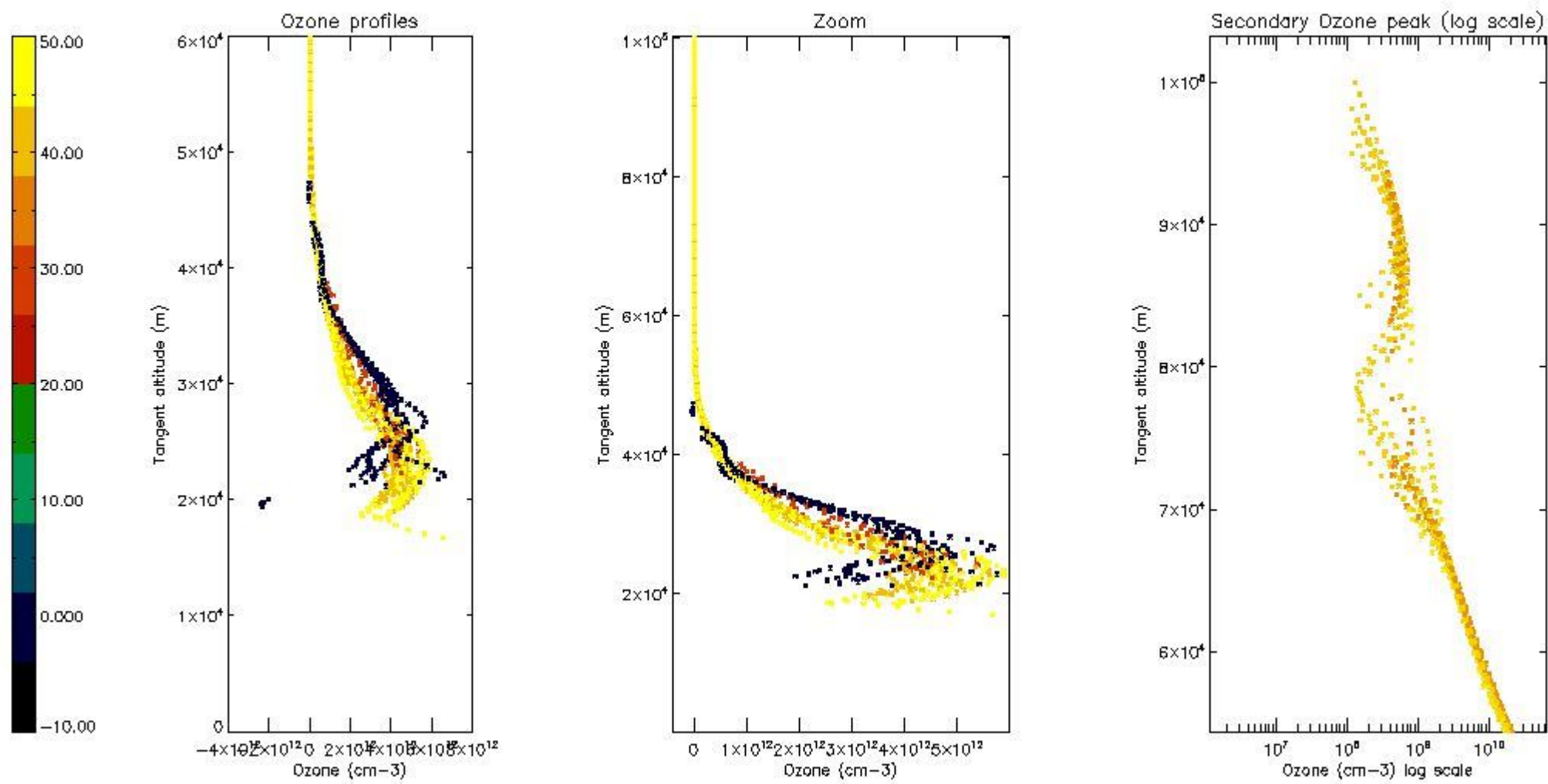
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



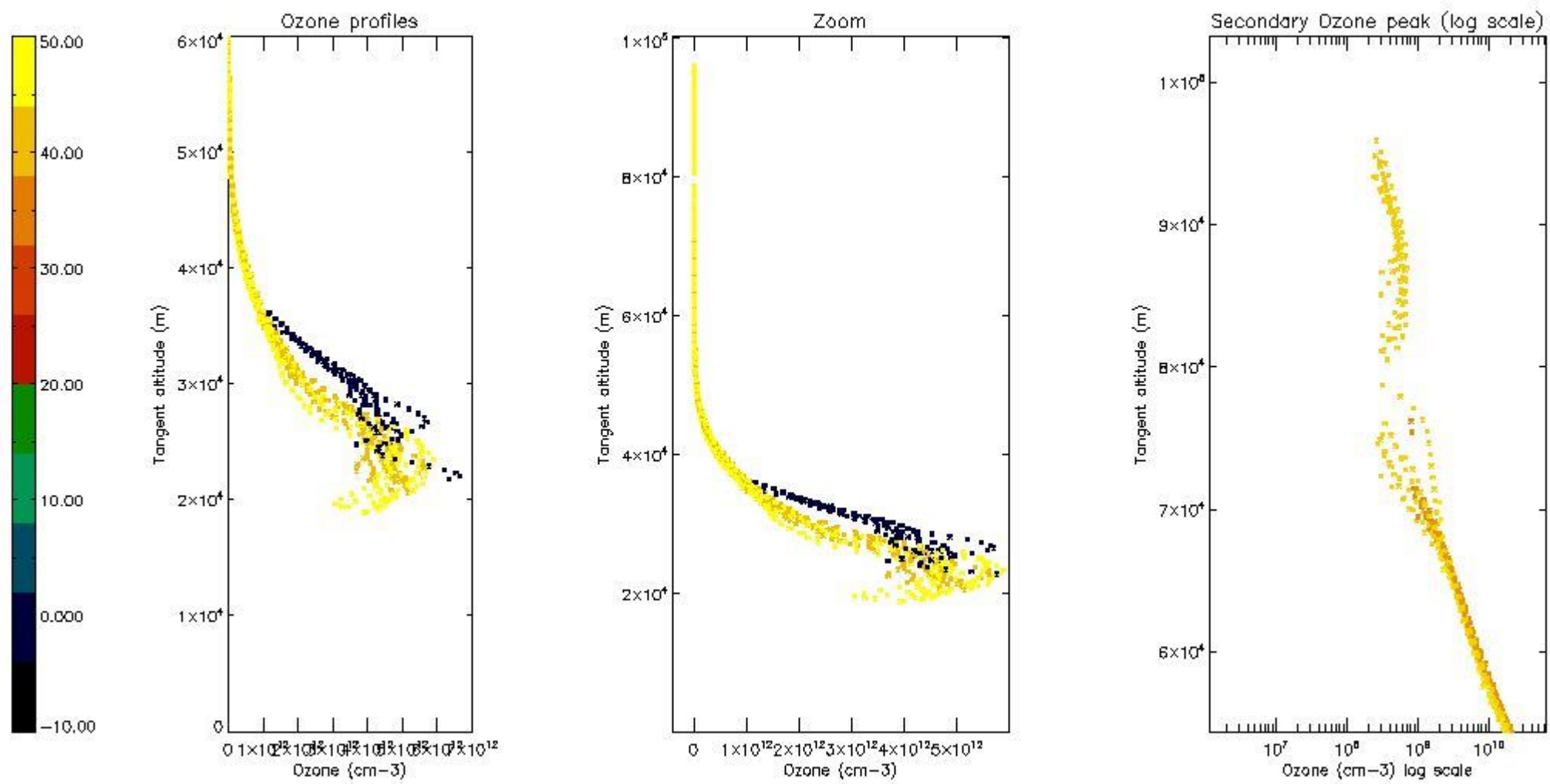
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



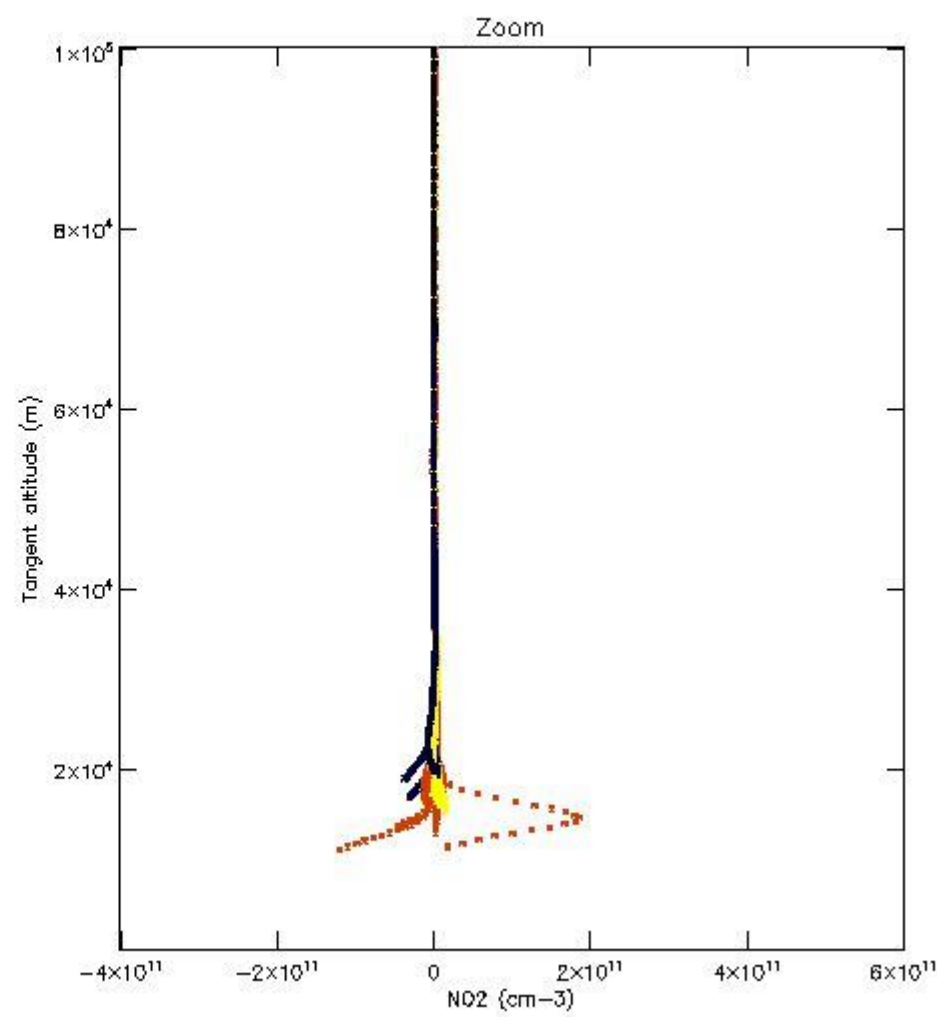
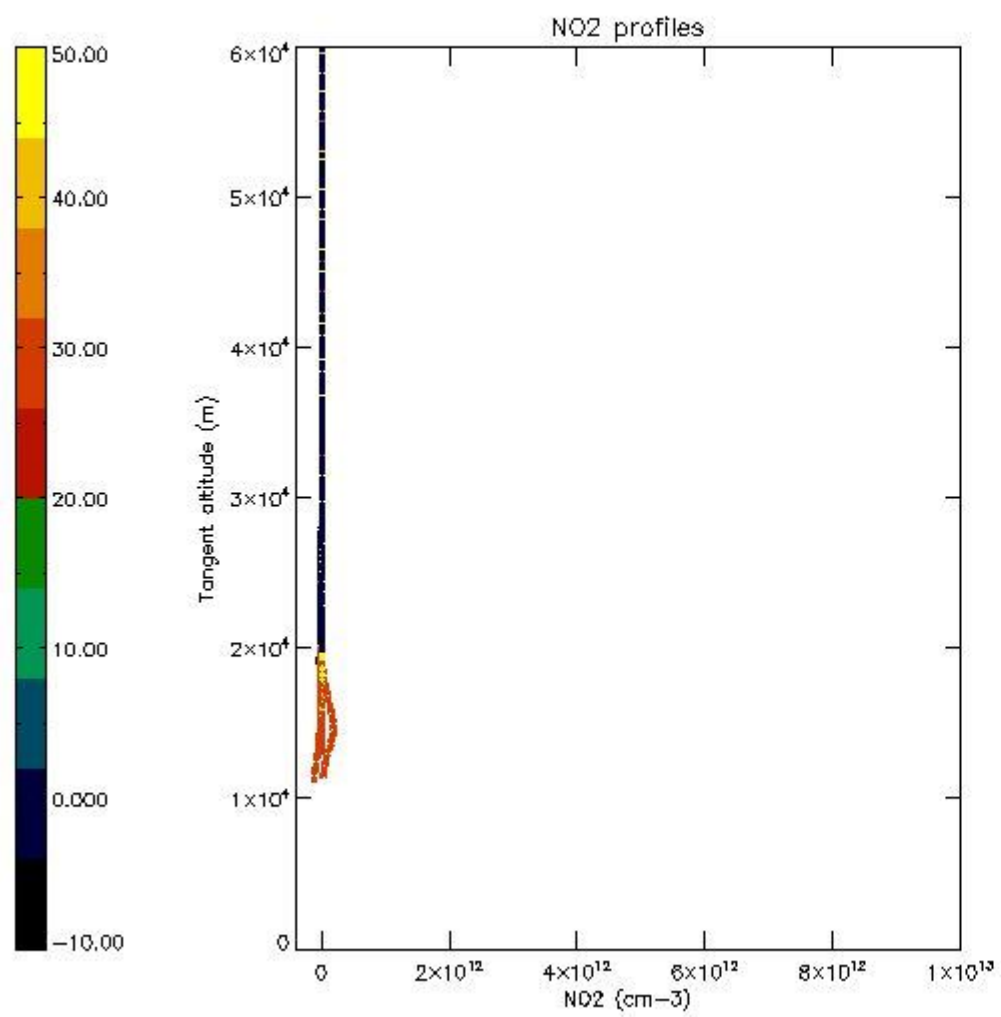
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



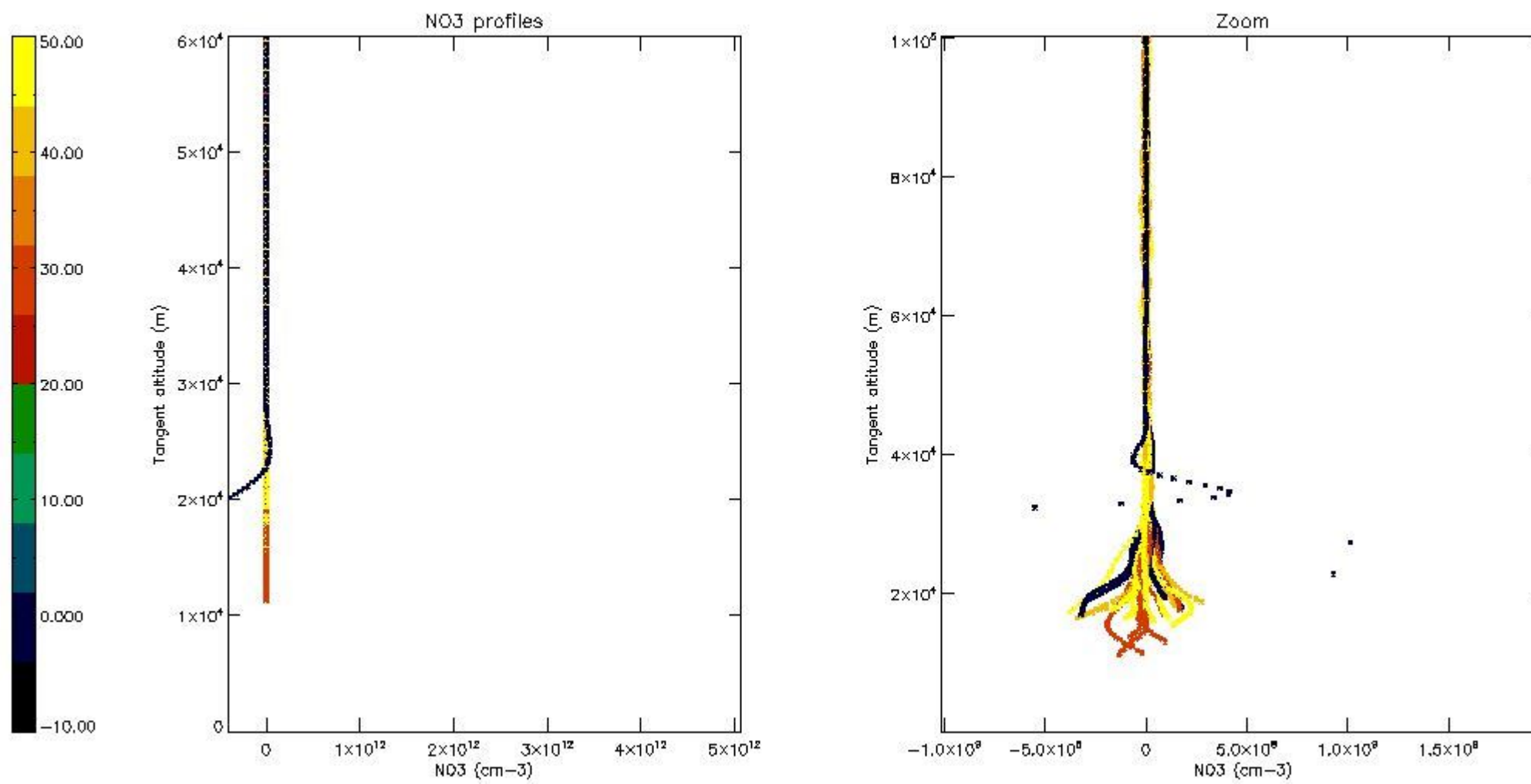
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



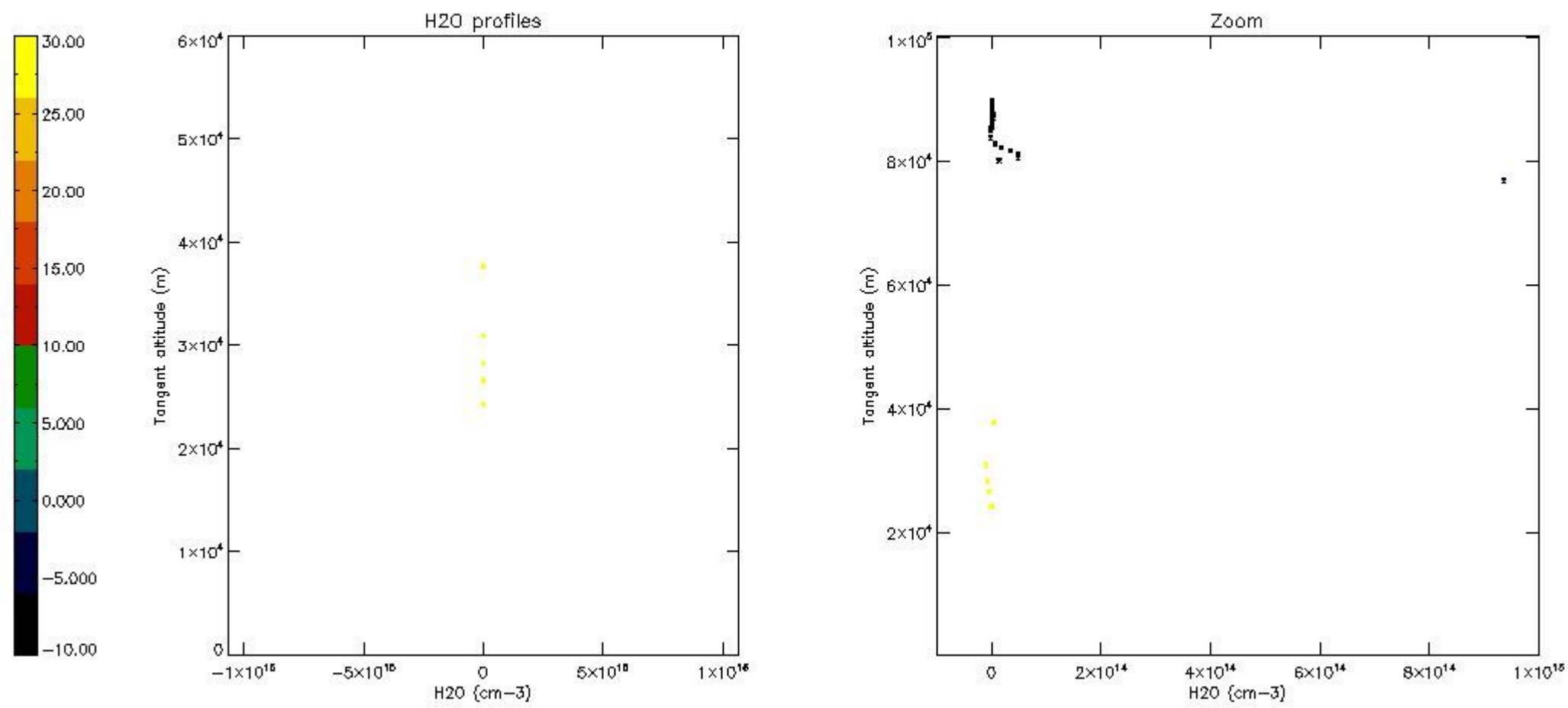
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-NOV-2008 00:21:44
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-NOV-2008 00:21:44
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-NOV-2008 00:21:44

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](#)

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

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

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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	25APR2013 22:14:24
Data source version	GOMOS/6.01
Start time of products	16-11-2008 (16NOV2008 00:00:00)
Stop time of products	17-11-2008 (17NOV2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	94
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

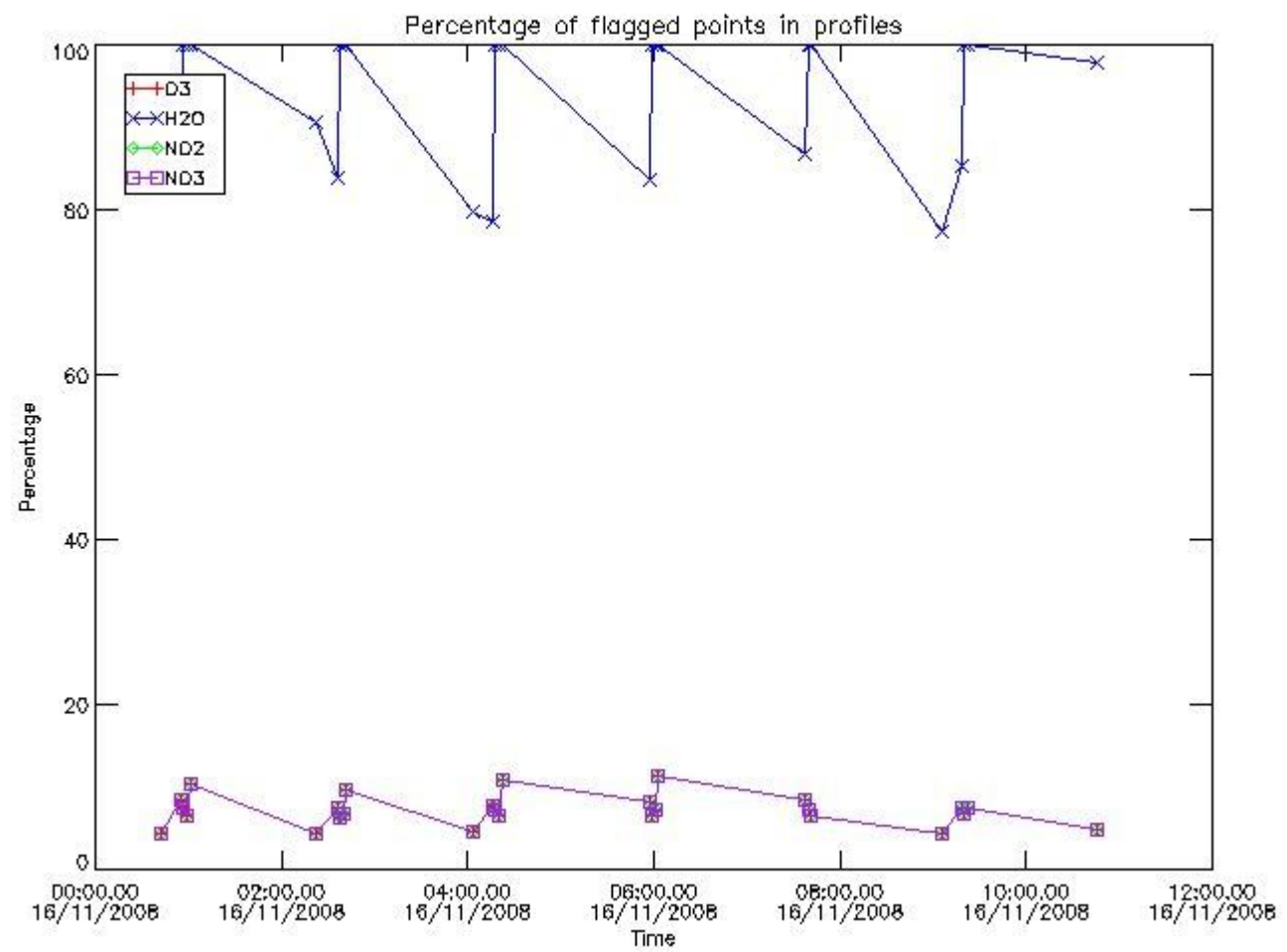
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081116_002144_000000482073_00474_35097_2012.N1	16-NOV-2008 00:21:44	Bright	48.000	96	68Del Leo	2.5600	9300.0	96	35097	No
2	GOM_NL__2PRFIN20081116_002334_000001042073_00474_35097_2013.N1	16-NOV-2008 00:23:34	Twilight	104.000	166	17Eps Leo	2.9800	6000.0	208	35097	No
3	GOM_NL__2PRFIN20081116_002827_000000882073_00474_35097_2014.N1	16-NOV-2008 00:28:27	Twilight	88.000	22	32Alp Leo	1.3600	15200.	176	35097	No
4	GOM_NL__2PRFIN20081116_004158_000001192073_00474_35097_2015.N1	16-NOV-2008 00:41:58	Dark	119.000	48	30Alp Hya	1.9770	4100.0	238	35097	No
5	GOM_NL__2PRFIN20081116_005502_000000672073_00475_35098_2110.N1	16-NOV-2008 00:55:02	Dark	67.000	117	Pi Pup	2.7060	3800.0	134	35098	No
6	GOM_NL__2PRFIN20081116_005653_000000812073_00475_35098_2111.N1	16-NOV-2008 00:56:53	Dark	80.500	88	31Eta CMa	2.4480	20000.	161	35098	No
7	GOM_NL__2PRFIN20081116_005906_000000782073_00475_35098_2112.N1	16-NOV-2008 00:59:06	Dark	78.000	23	21Eps CMa	1.5020	26000.	156	35098	No
8	GOM_NL__2PRFIN20081116_010121_000000542073_00475_35098_2113.N1	16-NOV-2008 01:01:21	Dark	53.500	108	Alp Col	2.6520	15200.	107	35098	No
9	GOM_NL__2PRFIN20081116_010733_000000622073_00475_35098_2114.N1	16-NOV-2008 01:07:33	Straylight	62.000	47	2Bet CMa	1.9760	28000.	124	35098	No
10	GOM_NL__2PRFIN20081116_011308_000000792073_00475_35098_2115.N1	16-NOV-2008 01:13:08	Twilight	79.000	7	19Bet Ori	0.10000	14000.	158	35098	No
11	GOM_NL__2PRFIN20081116_011507_000000922073_00475_35098_2116.N1	16-NOV-2008 01:15:07	Twilight	91.500	125	44Iot Ori	2.7700	30000.	183	35098	No
12	GOM_NL__2PRFIN20081116_012230_000000632073_00475_35098_2117.N1	16-NOV-2008 01:22:30	Bright	62.500	13	87Alp Tau	0.86700	3800.0	125	35098	No
13	GOM_NL__2PRFIN20081116_012923_000000572073_00475_35098_2118.N1	16-NOV-2008 01:29:23	Bright	57.000	114	3Iot Aur	2.6930	4600.0	114	35098	No
14	GOM_NL__2PRFIN20081116_013342_000000552073_00475_35098_2119.N1	16-NOV-2008 01:33:42	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	35098	No
15	GOM_NL__2PRFIN20081116_013641_000000632073_00475_35098_2120.N1	16-NOV-2008 01:36:41	Bright	63.000	42	34Bet Aur	1.9000	10200.	126	35098	No
16	GOM_NL__2PRFIN20081116_020220_000000482073_00475_35098_2121.N1	16-NOV-2008 02:02:20	Bright	48.000	96	68Del Leo	2.5600	9300.0	96	35098	No
17	GOM_NL__2PRFIN20081116_020411_000001062073_00475_35098_2122.N1	16-NOV-2008 02:04:11	Twilight	106.000	166	17Eps Leo	2.9800	6000.0	212	35098	No
18	GOM_NL__2PRFIN20081116_020905_000000842073_00475_35098_2123.N1	16-NOV-2008 02:09:05	Twilight	84.000	22	32Alp Leo	1.3600	15200.	168	35098	No
19	GOM_NL__2PRFIN20081116_022237_000001172073_00475_35098_2124.N1	16-NOV-2008 02:22:37	Dark	117.000	48	30Alp Hya	1.9770	4100.0	234	35098	No
20	GOM_NL__2PRFIN20081116_023539_000000692073_00476_35099_2121.N1	16-NOV-2008 02:35:39	Dark	69.000	117	Pi Pup	2.7060	3800.0	138	35099	No
21	GOM_NL__2PRFIN20081116_023730_000000812073_00476_35099_2122.N1	16-NOV-2008 02:37:30	Dark	81.000	88	31Eta CMa	2.4480	20000.	162	35099	No
22	GOM_NL__2PRFIN20081116_023943_000000762073_00476_35099_2123.N1	16-NOV-2008 02:39:43	Dark	76.000	23	21Eps CMa	1.5020	26000.	152	35099	No
23	GOM_NL__2PRFIN20081116_024158_000000532073_00476_35099_2124.N1	16-NOV-2008 02:41:58	Dark	53.000	108	Alp Col	2.6520	15200.	106	35099	No
24	GOM_NL__2PRFIN20081116_024809_000000622073_00476_35099_2125.N1	16-NOV-2008 02:48:09	Straylight	62.000	47	2Bet CMa	1.9760	28000.	124	35099	No
25	GOM_NL__2PRFIN20081116_025344_000000812073_00476_35099_2126.N1	16-NOV-2008 02:53:44	Twilight	81.000	7	19Bet Ori	0.10000	14000.	162	35099	No
26	GOM_NL__2PRFIN20081116_025543_000000922073_00476_35099_2127.N1	16-NOV-2008 02:55:43	Twilight	92.000	125	44Iot Ori	2.7700	30000.	184	35099	No
27	GOM_NL__2PRFIN20081116_030305_000000612073_00476_35099_2128.N1	16-NOV-2008 03:03:05	Bright	60.500	13	87Alp Tau	0.86700	3800.0	121	35099	No
28	GOM_NL__2PRFIN20081116_030958_000000592073_00476_35099_2129.N1	16-NOV-2008 03:09:58	Bright	59.000	114	3Iot Aur	2.6930	4600.0	118	35099	No
29	GOM_NL__2PRFIN20081116_031417_000000562073_00476_35099_2130.N1	16-NOV-2008 03:14:17	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	35099	No
30	GOM_NL__2PRFIN20081116_031716_000000622073_00476_35099_2131.N1	16-NOV-2008 03:17:16	Bright	62.000	42	34Bet Aur	1.9000	10200.	124	35099	No
31	GOM_NL__2PRFIN20081116_034256_000000502073_00476_35099_2132.N1	16-NOV-2008 03:42:56	Bright	49.500	96	68Del Leo	2.5600	9300.0	99	35099	No
32	GOM_NL__2PRFIN20081116_034448_000001032073_00476_35099_2133.N1	16-NOV-2008 03:44:48	Twilight	102.500	166	17Eps Leo	2.9800	6000.0	205	35099	No
33	GOM_NL__2PRFIN20081116_034942_000000902073_00476_35099_2134.N1	16-NOV-2008 03:49:42	Twilight	89.500	22	32Alp Leo	1.3600	15200.	179	35099	No
34	GOM_NL__2PRFIN20081116_040316_000001242073_00476_35099_2135.N1	16-NOV-2008 04:03:16	Dark	123.500	48	30Alp Hya	1.9770	4100.0	247	35099	No
35	GOM_NL__2PRFIN20081116_041617_000000662073_00477_35100_2141.N1	16-NOV-2008 04:16:17	Dark	65.500	117	Pi Pup	2.7060	3800.0	131	35100	No
36	GOM_NL__2PRFIN20081116_041807_000000772073_00477_35100_2142.N1	16-NOV-2008 04:18:07	Dark	77.000	88	31Eta CMa	2.4480	20000.	154	35100	No
37	GOM_NL__2PRFIN20081116_042021_000000782073_00477_35100_2143.N1	16-NOV-2008 04:20:21	Dark	78.000	23	21Eps CMa	1.5020	26000.	156	35100	No
38	GOM_NL__2PRFIN20081116_042235_000000522073_00477_35100_2144.N1	16-NOV-2008 04:22:35	Dark	52.000	108	Alp Col	2.6520	15200.	104	35100	No
39	GOM_NL__2PRFIN20081116_042845_000000662073_00477_35100_2145.N1	16-NOV-2008 04:28:45	Straylight	66.000	47	2Bet CMa	1.9760	28000.	132	35100	No
40	GOM_NL__2PRFIN20081116_043420_000000852073_00477_35100_2146.N1	16-NOV-2008 04:34:20	Twilight	84.500	7	19Bet Ori	0.10000	14000.	169	35100	No
41	GOM_NL__2PRFIN20081116_043618_000000932073_00477_35100_2147.N1	16-NOV-2008 04:36:18	Twilight	93.000	125	44Iot Ori	2.7700	30000.	186	35100	No
42	GOM_NL__2PRFIN20081116_044246_000000262073_00477_35100_2148.N1	16-NOV-2008 04:42:46	Straylight	26.000	27	24Gam Ori	1.6360	26000.	52	35100	No

43	GOM_NL__2PRFIN20081116_044340_000000612073_00477_35100_2149.N1	16-NOV-2008 04:43:40	Bright	61.000	13	87Alp Tau	0.86700	3800.0	122	35100	No
44	GOM_NL__2PRFIN20081116_045033_000000592073_00477_35100_2150.N1	16-NOV-2008 04:50:33	Bright	59.000	114	31ot Aur	2.6930	4600.0	118	35100	No
45	GOM_NL__2PRFIN20081116_045452_000000572073_00477_35100_2151.N1	16-NOV-2008 04:54:52	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	35100	No
46	GOM_NL__2PRFIN20081116_045751_000000622073_00477_35100_2152.N1	16-NOV-2008 04:57:51	Bright	61.500	42	34Bet Aur	1.9000	10200.	123	35100	No
47	GOM_NL__2PRFIN20081116_052333_000000492073_00477_35100_2153.N1	16-NOV-2008 05:23:33	Bright	48.500	96	68Del Leo	2.5600	9300.0	97	35100	No
48	GOM_NL__2PRFIN20081116_052525_000001072073_00477_35100_2154.N1	16-NOV-2008 05:25:25	Tw_i_and_stray	106.50	166	17Eps Leo	2.9800	6000.0	213	35100	No
49	GOM_NL__2PRFIN20081116_053020_000000942073_00477_35100_2155.N1	16-NOV-2008 05:30:20	Tw_i_and_stray	94.000	22	32Alp Leo	1.3600	15200.	188	35100	No
50	GOM_NL__2PRFIN20081116_055654_000000622073_00478_35101_2154.N1	16-NOV-2008 05:56:54	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	35101	No
51	GOM_NL__2PRFIN20081116_055845_000000782073_00478_35101_2155.N1	16-NOV-2008 05:58:45	Dark	78.000	88	31Eta CMa	2.4480	20000.	156	35101	No
52	GOM_NL__2PRFIN20081116_060058_000000772073_00478_35101_2156.N1	16-NOV-2008 06:00:58	Dark	77.000	23	21Eps CMa	1.5020	26000.	154	35101	No
53	GOM_NL__2PRFIN20081116_060311_000000492073_00478_35101_2157.N1	16-NOV-2008 06:03:11	Dark	49.000	108	Alp Col	2.6520	15200.	98	35101	No
54	GOM_NL__2PRFIN20081116_060922_000000662073_00478_35101_2158.N1	16-NOV-2008 06:09:22	Straylight	66.000	47	2Bet CMa	1.9760	28000.	132	35101	No
55	GOM_NL__2PRFIN20081116_061455_000000872073_00478_35101_2159.N1	16-NOV-2008 06:14:55	Tw_i_and_stray	86.500	7	19Bet Ori	0.10000	14000.	173	35101	No
56	GOM_NL__2PRFIN20081116_061653_000000932073_00478_35101_2160.N1	16-NOV-2008 06:16:53	Tw_i_and_stray	93.000	125	441ot Ori	2.7700	30000.	186	35101	No
57	GOM_NL__2PRFIN20081116_062321_000000262073_00478_35101_2161.N1	16-NOV-2008 06:23:21	Straylight	26.000	27	24Gam Ori	1.6360	26000.	52	35101	No
58	GOM_NL__2PRFIN20081116_062415_000000602073_00478_35101_2162.N1	16-NOV-2008 06:24:15	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	35101	No
59	GOM_NL__2PRFIN20081116_063108_000000582073_00478_35101_2163.N1	16-NOV-2008 06:31:08	Bright	57.500	114	31ot Aur	2.6930	4600.0	115	35101	No
60	GOM_NL__2PRFIN20081116_063527_000000562073_00478_35101_2164.N1	16-NOV-2008 06:35:27	Bright	55.500	6	13Alp Aur	0.080000	3400.0	111	35101	No
61	GOM_NL__2PRFIN20081116_063825_000000632073_00478_35101_2165.N1	16-NOV-2008 06:38:25	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	35101	No
62	GOM_NL__2PRFIN20081116_070409_000000462073_00478_35101_2166.N1	16-NOV-2008 07:04:09	Bright	46.000	96	68Del Leo	2.5600	9300.0	92	35101	No
63	GOM_NL__2PRFIN20081116_070602_000001052073_00478_35101_2167.N1	16-NOV-2008 07:06:02	Tw_i_and_stray	104.50	166	17Eps Leo	2.9800	6000.0	209	35101	No
64	GOM_NL__2PRFIN20081116_071057_000000932073_00478_35101_2168.N1	16-NOV-2008 07:10:57	Tw_i_and_stray	92.500	22	32Alp Leo	1.3600	15200.	185	35101	No
65	GOM_NL__2PRFIN20081116_073731_000000612073_00479_35102_2167.N1	16-NOV-2008 07:37:31	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	35102	No
66	GOM_NL__2PRFIN20081116_073922_000000782073_00479_35102_2168.N1	16-NOV-2008 07:39:22	Dark	77.500	88	31Eta CMa	2.4480	20000.	155	35102	No
67	GOM_NL__2PRFIN20081116_074135_000000802073_00479_35102_2169.N1	16-NOV-2008 07:41:35	Dark	79.500	23	21Eps CMa	1.5020	26000.	159	35102	No
68	GOM_NL__2PRFIN20081116_074958_000000702073_00479_35102_2170.N1	16-NOV-2008 07:49:58	Straylight	69.500	47	2Bet CMa	1.9760	28000.	139	35102	No
69	GOM_NL__2PRFIN20081116_075531_000000782073_00479_35102_2171.N1	16-NOV-2008 07:55:31	Tw_i_and_stray	78.000	7	19Bet Ori	0.10000	14000.	156	35102	No
70	GOM_NL__2PRFIN20081116_075728_000000932073_00479_35102_2172.N1	16-NOV-2008 07:57:28	Tw_i_and_stray	92.500	125	441ot Ori	2.7700	30000.	185	35102	No
71	GOM_NL__2PRFIN20081116_080043_000000292073_00479_35102_2173.N1	16-NOV-2008 08:00:43	Tw_i_and_stray	29.000	72	34Del Ori	2.2500	30000.	58	35102	No
72	GOM_NL__2PRFIN20081116_080450_000000612073_00479_35102_2174.N1	16-NOV-2008 08:04:50	Bright	60.500	13	87Alp Tau	0.86700	3800.0	121	35102	No
73	GOM_NL__2PRFIN20081116_081142_000000582073_00479_35102_2175.N1	16-NOV-2008 08:11:42	Bright	58.000	114	31ot Aur	2.6930	4600.0	116	35102	No
74	GOM_NL__2PRFIN20081116_081602_000000572073_00479_35102_2176.N1	16-NOV-2008 08:16:02	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	35102	No
75	GOM_NL__2PRFIN20081116_081900_000000632073_00479_35102_2177.N1	16-NOV-2008 08:19:00	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	35102	No
76	GOM_NL__2PRFIN20081116_084446_000000472073_00479_35102_2178.N1	16-NOV-2008 08:44:46	Bright	46.500	96	68Del Leo	2.5600	9300.0	93	35102	No
77	GOM_NL__2PRFIN20081116_084639_000001092073_00479_35102_2179.N1	16-NOV-2008 08:46:39	Tw_i_and_stray	108.50	166	17Eps Leo	2.9800	6000.0	217	35102	No
78	GOM_NL__2PRFIN20081116_085135_000000892073_00479_35102_2180.N1	16-NOV-2008 08:51:35	Tw_i_and_stray	88.500	22	32Alp Leo	1.3600	15200.	177	35102	No
79	GOM_NL__2PRFIN20081116_090514_000001182073_00479_35102_2181.N1	16-NOV-2008 09:05:14	Dark	118.00	48	30Alp Hya	1.9770	4100.0	236	35102	No
80	GOM_NL__2PRFIN20081116_091808_000000692073_00480_35103_2180.N1	16-NOV-2008 09:18:08	Dark	69.000	117	Pi Pup	2.7060	3800.0	138	35103	No
81	GOM_NL__2PRFIN20081116_092000_000000762073_00480_35103_2181.N1	16-NOV-2008 09:20:00	Dark	75.500	88	31Eta CMa	2.4480	20000.	151	35103	No
82	GOM_NL__2PRFIN20081116_092212_000000752073_00480_35103_2182.N1	16-NOV-2008 09:22:12	Dark	75.000	23	21Eps CMa	1.5020	26000.	150	35103	No
83	GOM_NL__2PRFIN20081116_093034_000000702073_00480_35103_2183.N1	16-NOV-2008 09:30:34	Straylight	69.500	47	2Bet CMa	1.9760	28000.	139	35103	No
84	GOM_NL__2PRFIN20081116_093607_000000862073_00480_35103_2184.N1	16-NOV-2008 09:36:07	Tw_i_and_stray	85.500	7	19Bet Ori	0.10000	14000.	171	35103	No
85	GOM_NL__2PRFIN20081116_093803_000000962073_00480_35103_2185.N1	16-NOV-2008 09:38:03	Tw_i_and_stray	95.500	125	441ot Ori	2.7700	30000.	191	35103	No
86	GOM_NL__2PRFIN20081116_094118_000000292073_00480_35103_2186.N1	16-NOV-2008 09:41:18	Tw_i_and_stray	29.000	72	34Del Ori	2.2500	30000.	58	35103	No
87	GOM_NL__2PRFIN20081116_094525_000000602073_00480_35103_2187.N1	16-NOV-2008 09:45:25	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	35103	No
88	GOM_NL__2PRFIN20081116_095217_000000602073_00480_35103_2188.N1	16-NOV-2008 09:52:17	Bright	60.000	114	31ot Aur	2.6930	4600.0	120	35103	No
89	GOM_NL__2PRFIN20081116_095637_000000642073_00480_35103_2189.N1	16-NOV-2008 09:56:37	Bright	64.000	6	13Alp Aur	0.080000	3400.0	128	35103	No
90	GOM_NL__2PRFIN20081116_095934_000000582073_00480_35103_2190.N1	16-NOV-2008 09:59:34	Bright	58.000	42	34Bet Aur	1.9000	10200.	116	35103	No
91	GOM_NL__2PRFIN20081116_102522_000000472073_00480_35103_2191.N1	16-NOV-2008 10:25:22	Bright	47.000	96	68Del Leo	2.5600	9300.0	94	35103	No
92	GOM_NL__2PRFIN20081116_102716_000001082073_00480_35103_2192.N1	16-NOV-2008 10:27:16	Tw_i_and_stray	107.50	166	17Eps Leo	2.9800	6000.0	215	35103	No
93	GOM_NL__2PRFIN20081116_103212_000000942073_00480_35103_2193.N1	16-NOV-2008 10:32:12	Tw_i_and_stray	94.000	22	32Alp Leo	1.3600	15200.	188	35103	No
94	GOM_NL__2PRFIN20081116_104553_000001182073_00480_35103_2194.N1	16-NOV-2008 10:45:53	Dark	117.50	48	30Alp Hya	1.9770	4100.0	235	35103	No

3. Quality information per product

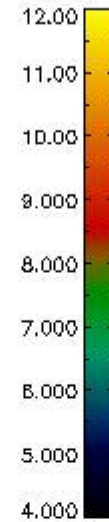
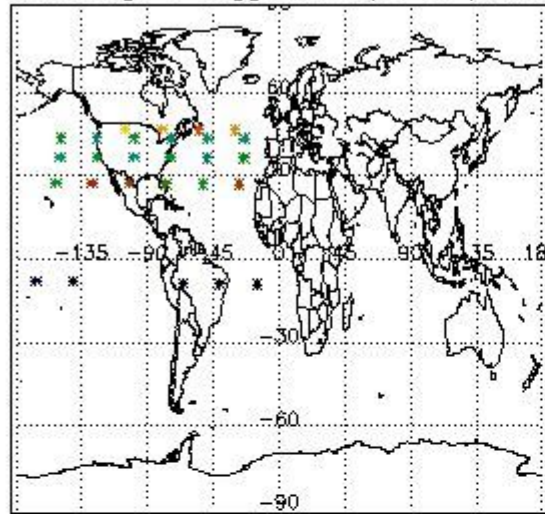
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

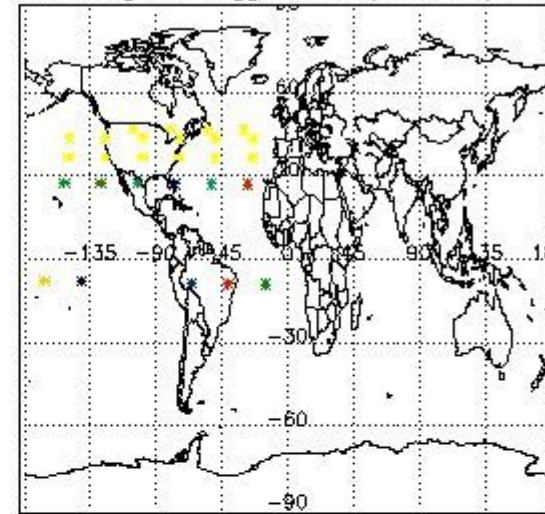


3.2 Plot quality information per product (world map)

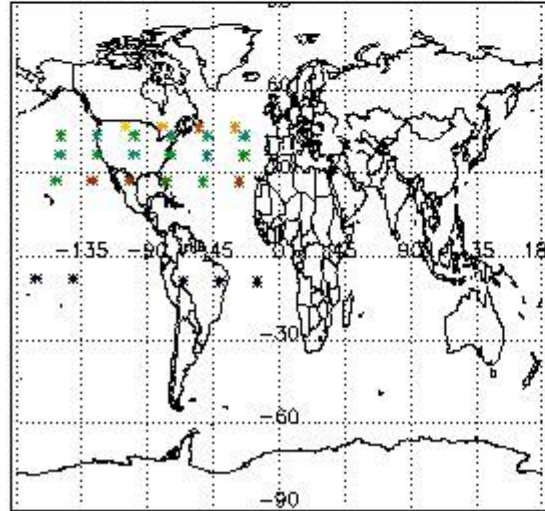
Percentage of flagged data per O3 profile



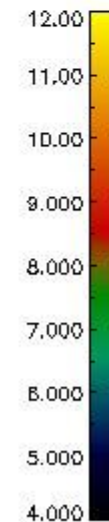
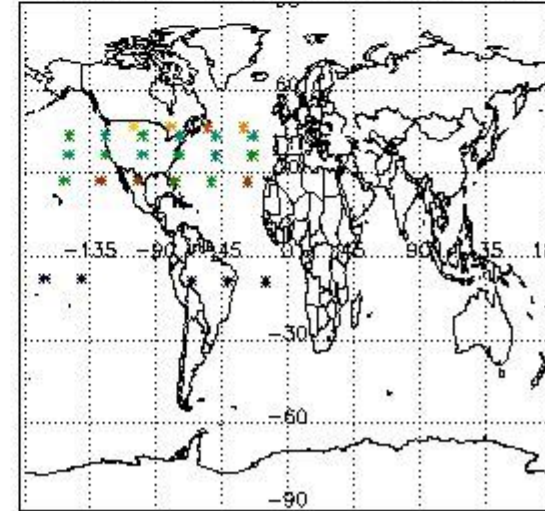
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

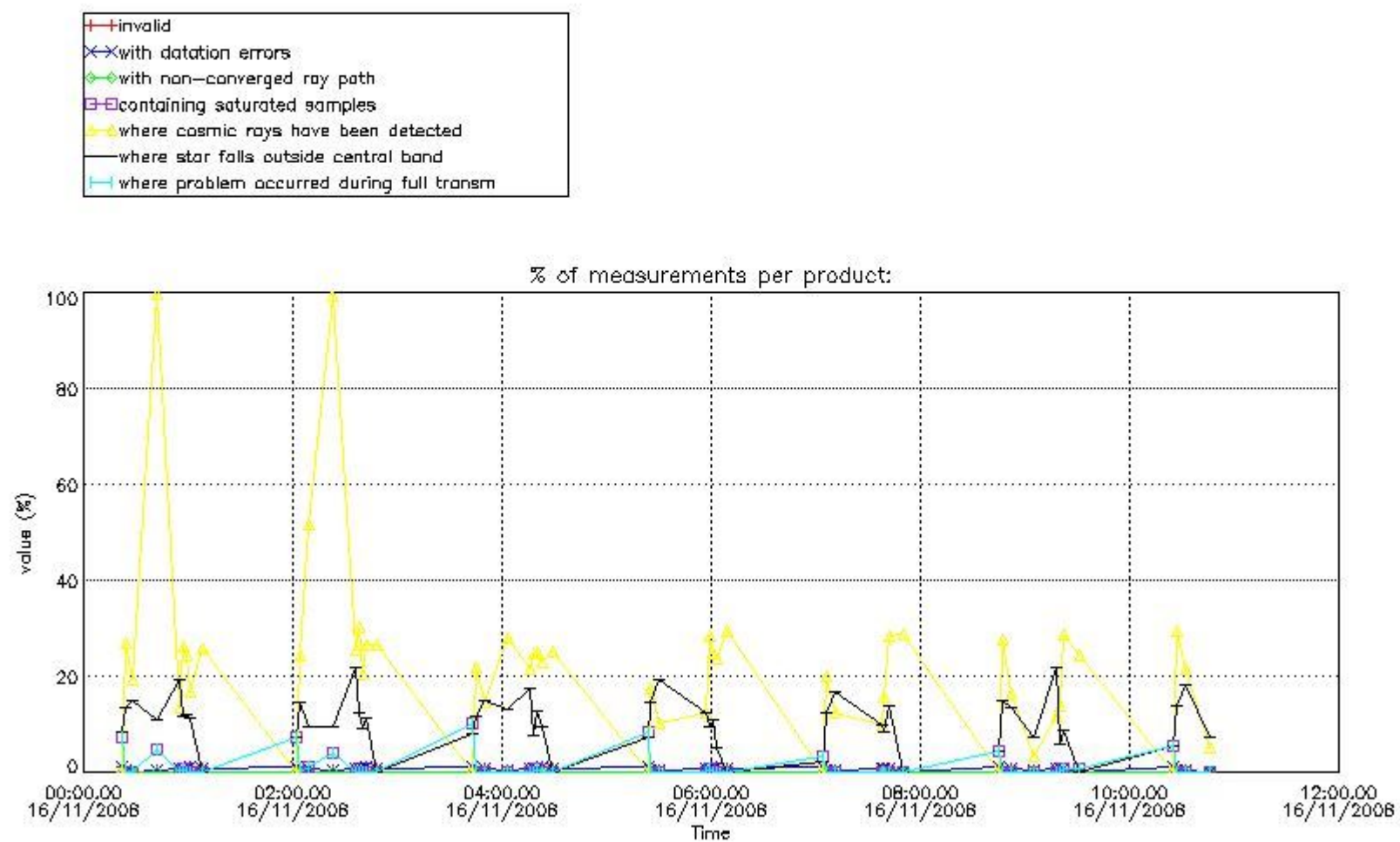


4. Level 1 quality information per product

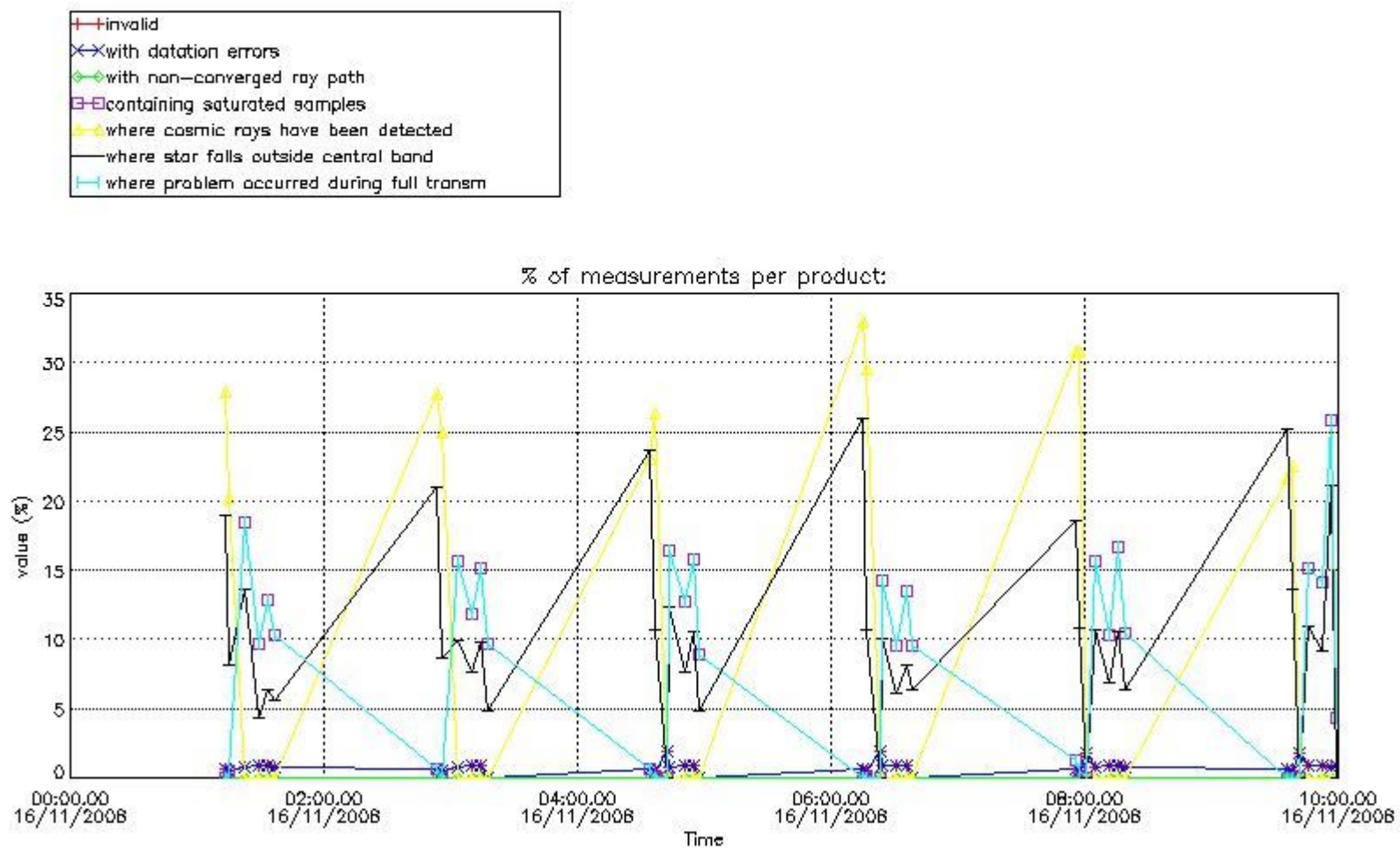
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

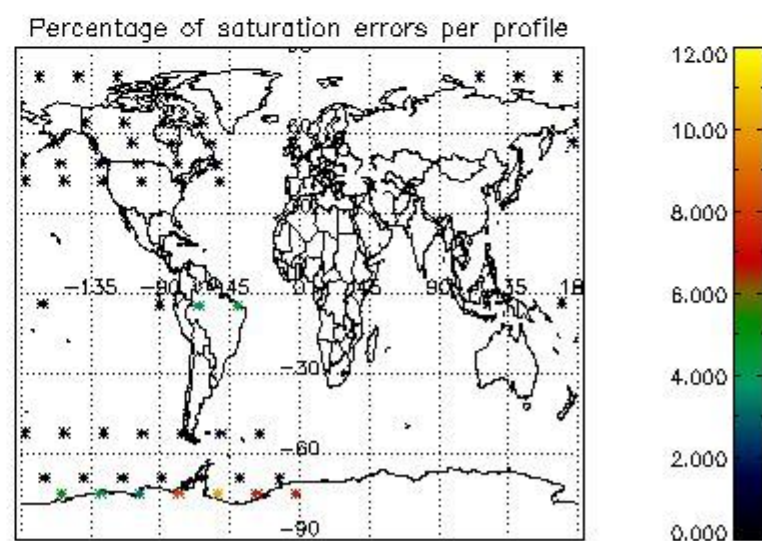
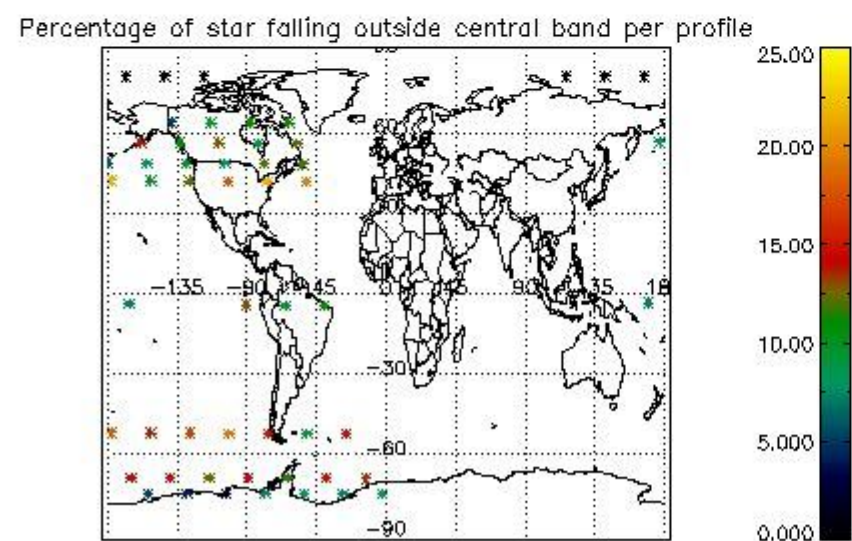
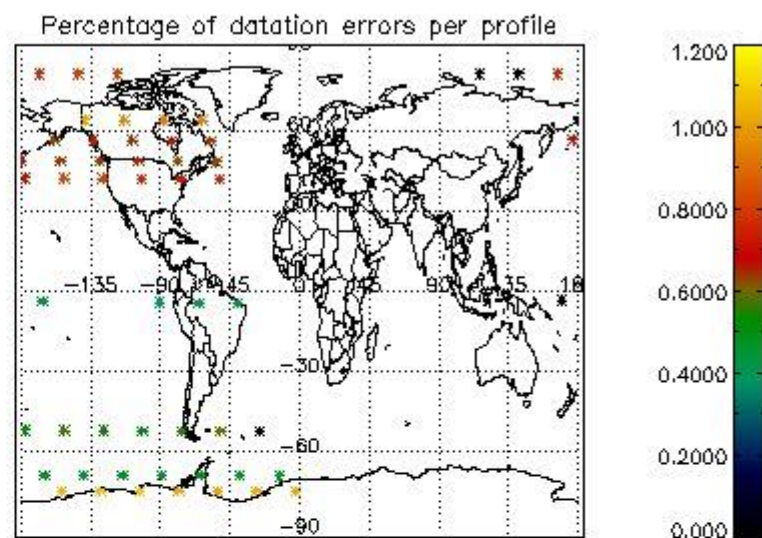
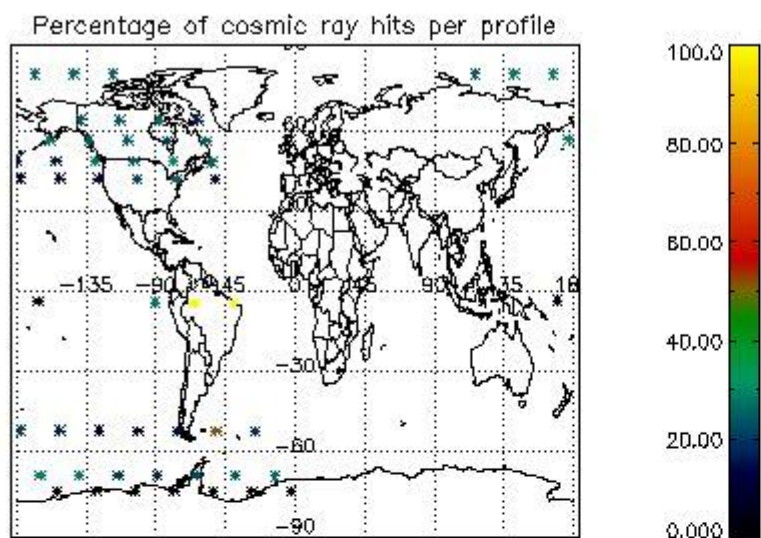


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

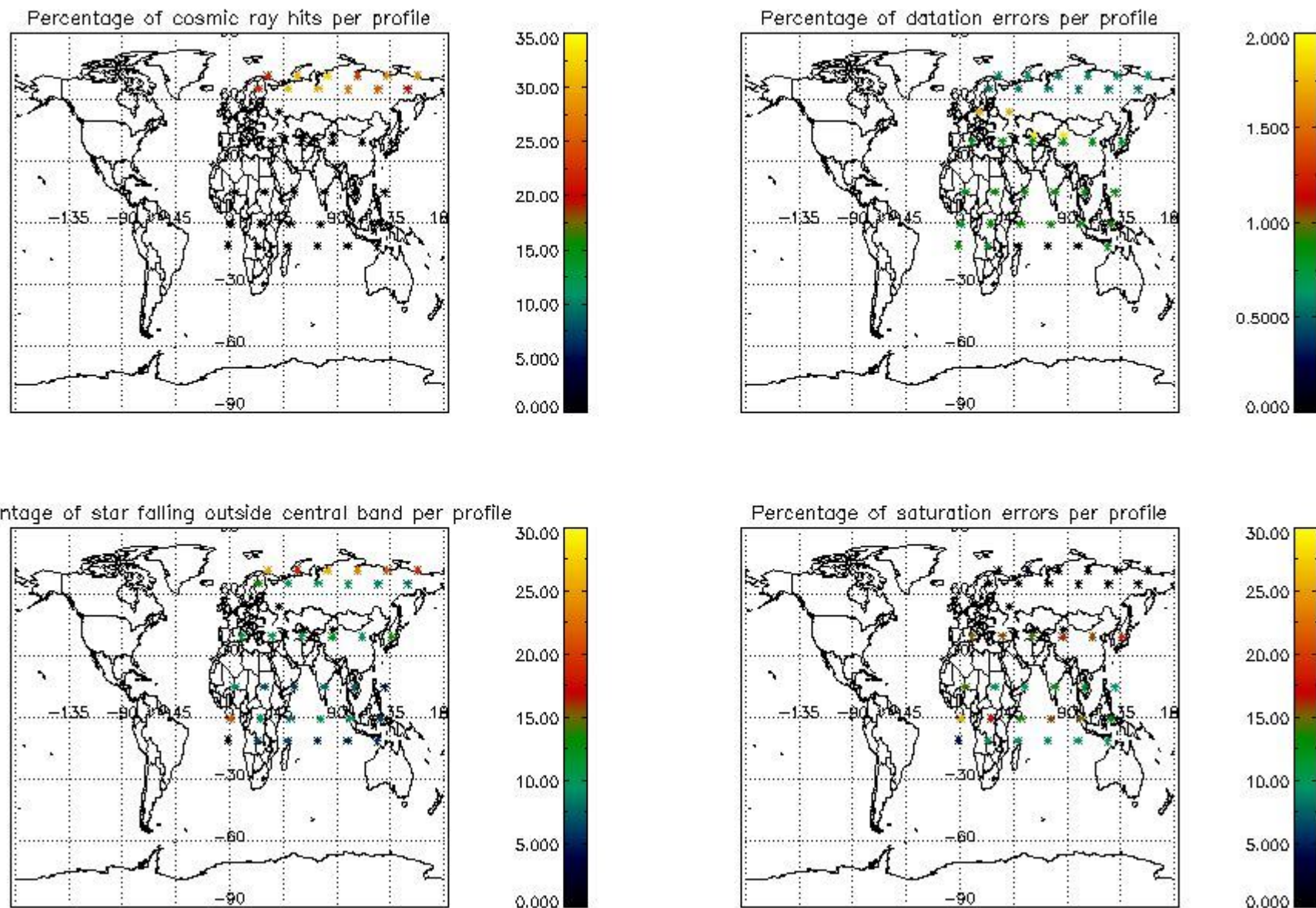


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

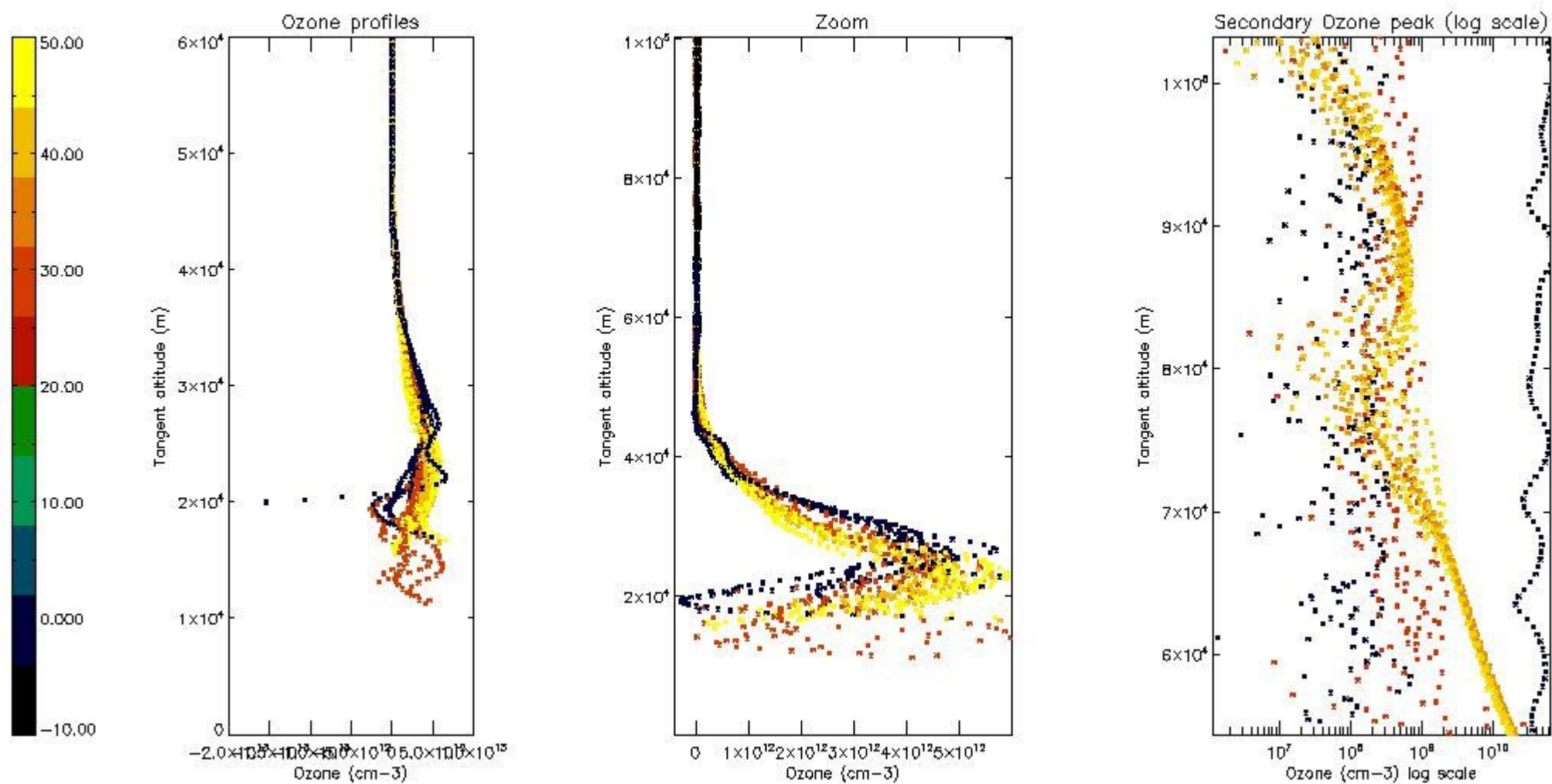
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	16

STD < 10	13
STD < 5	10

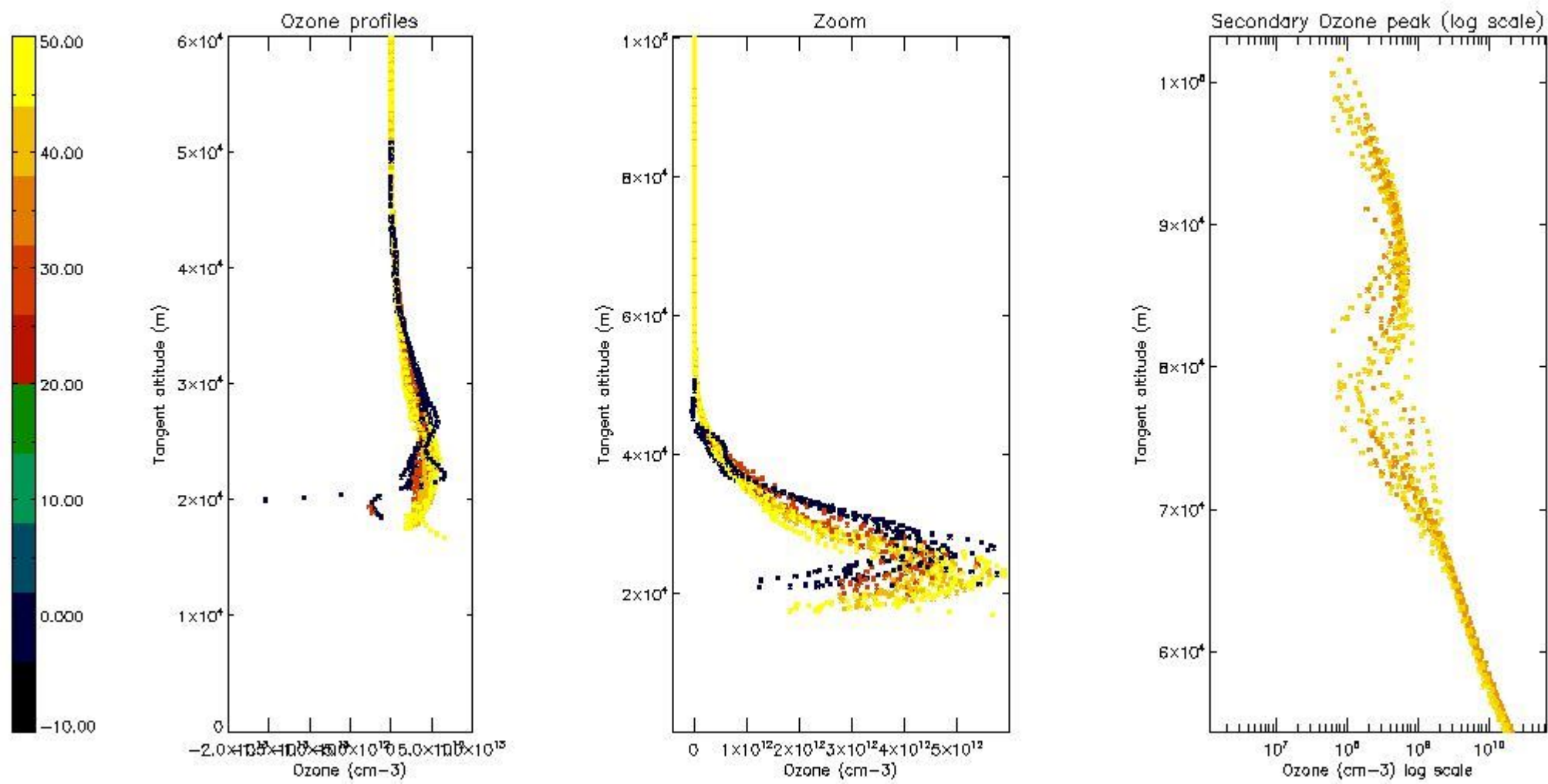
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



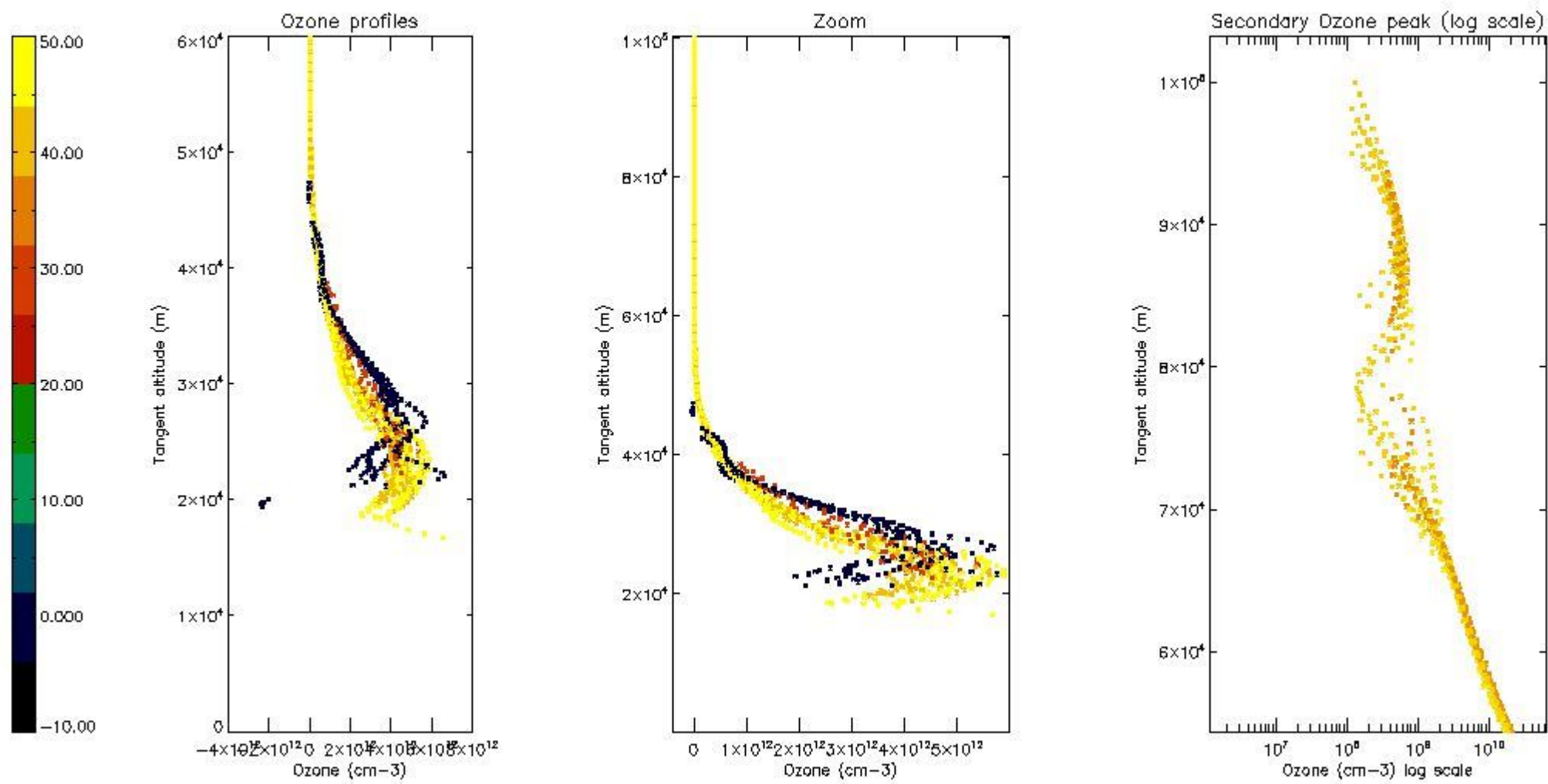
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



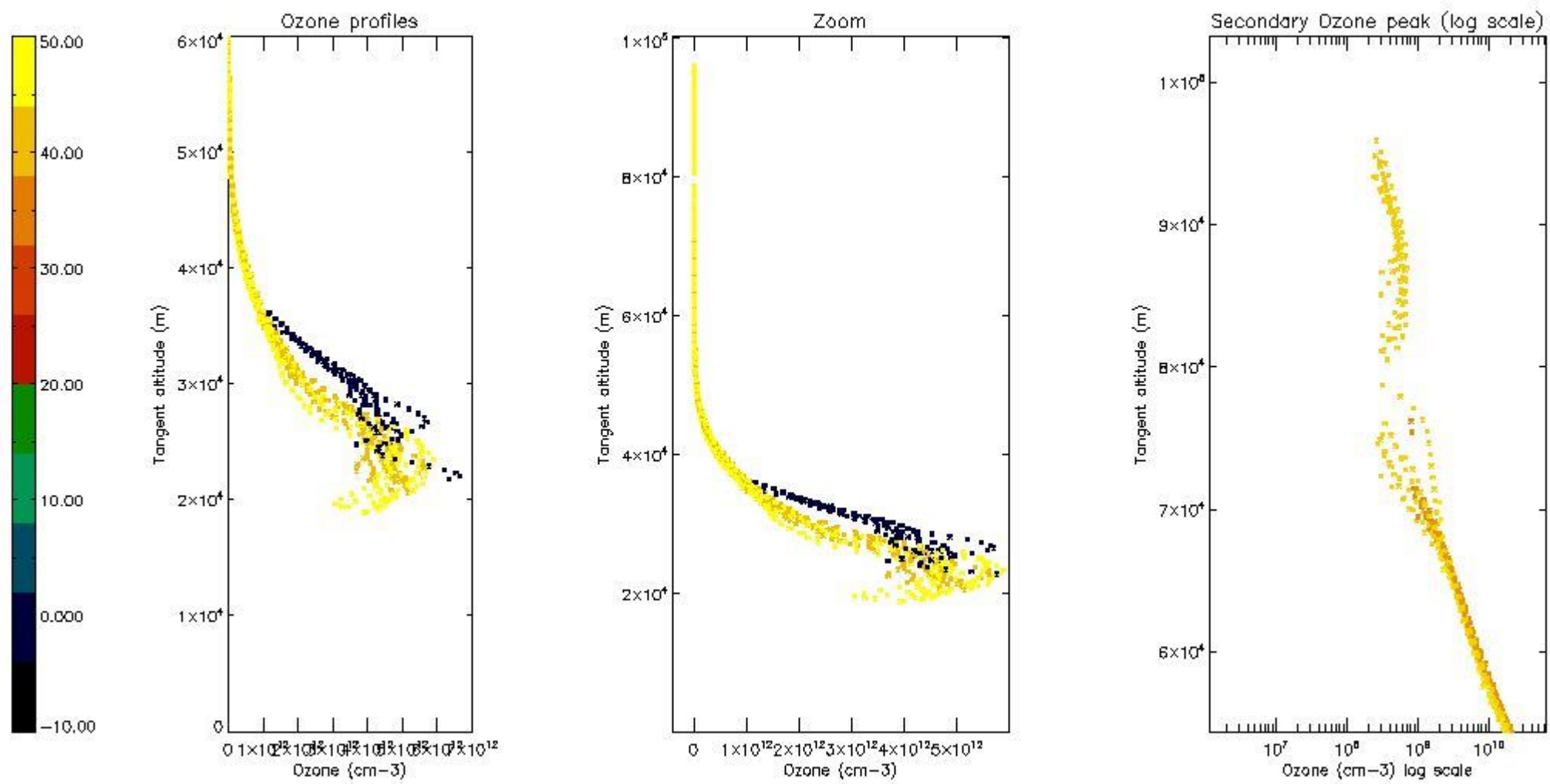
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



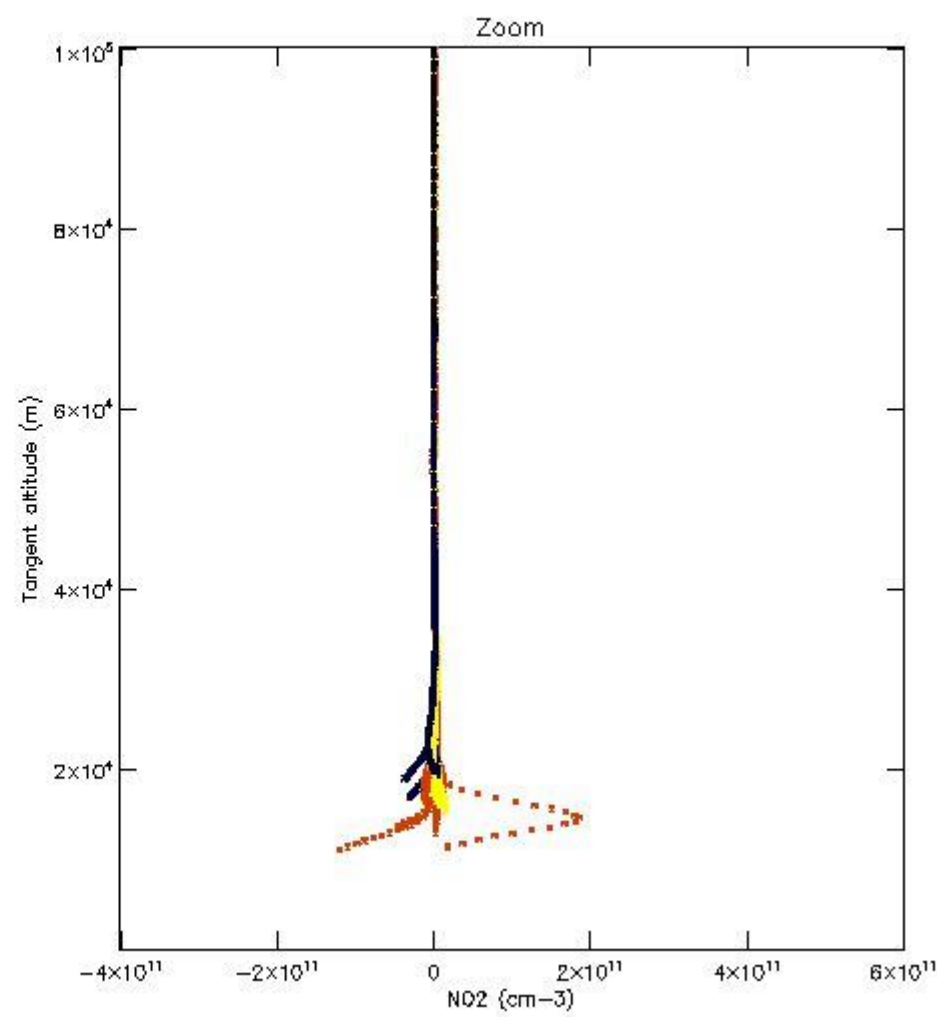
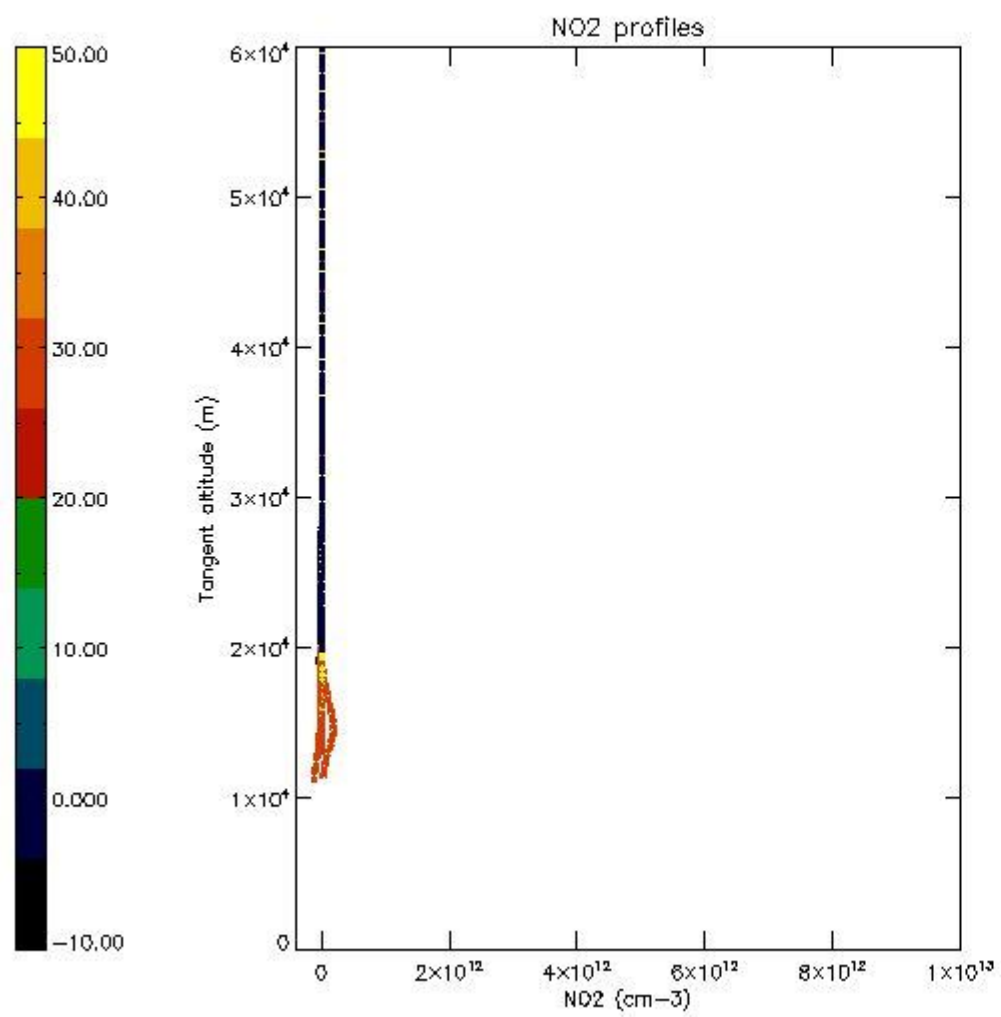
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



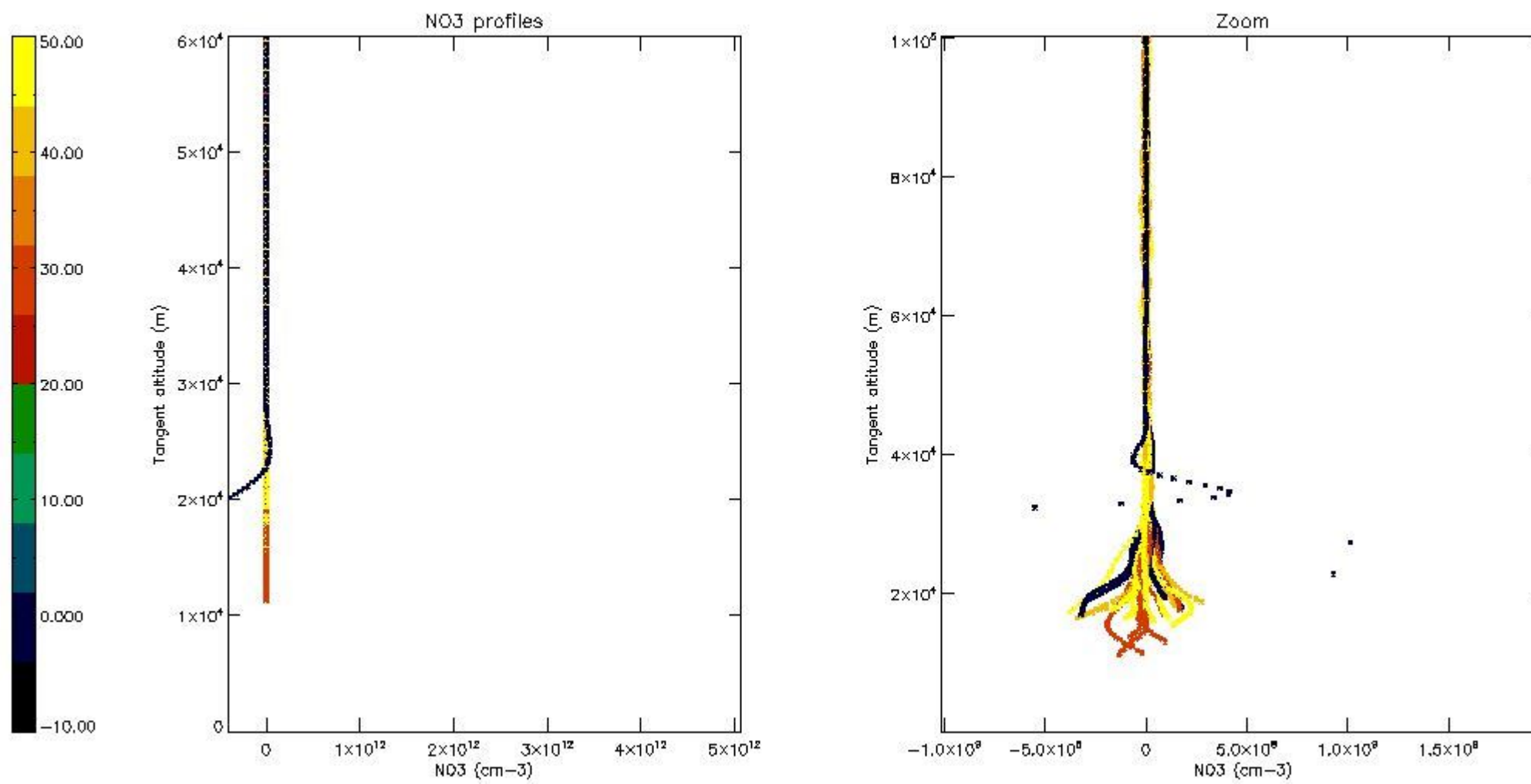
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



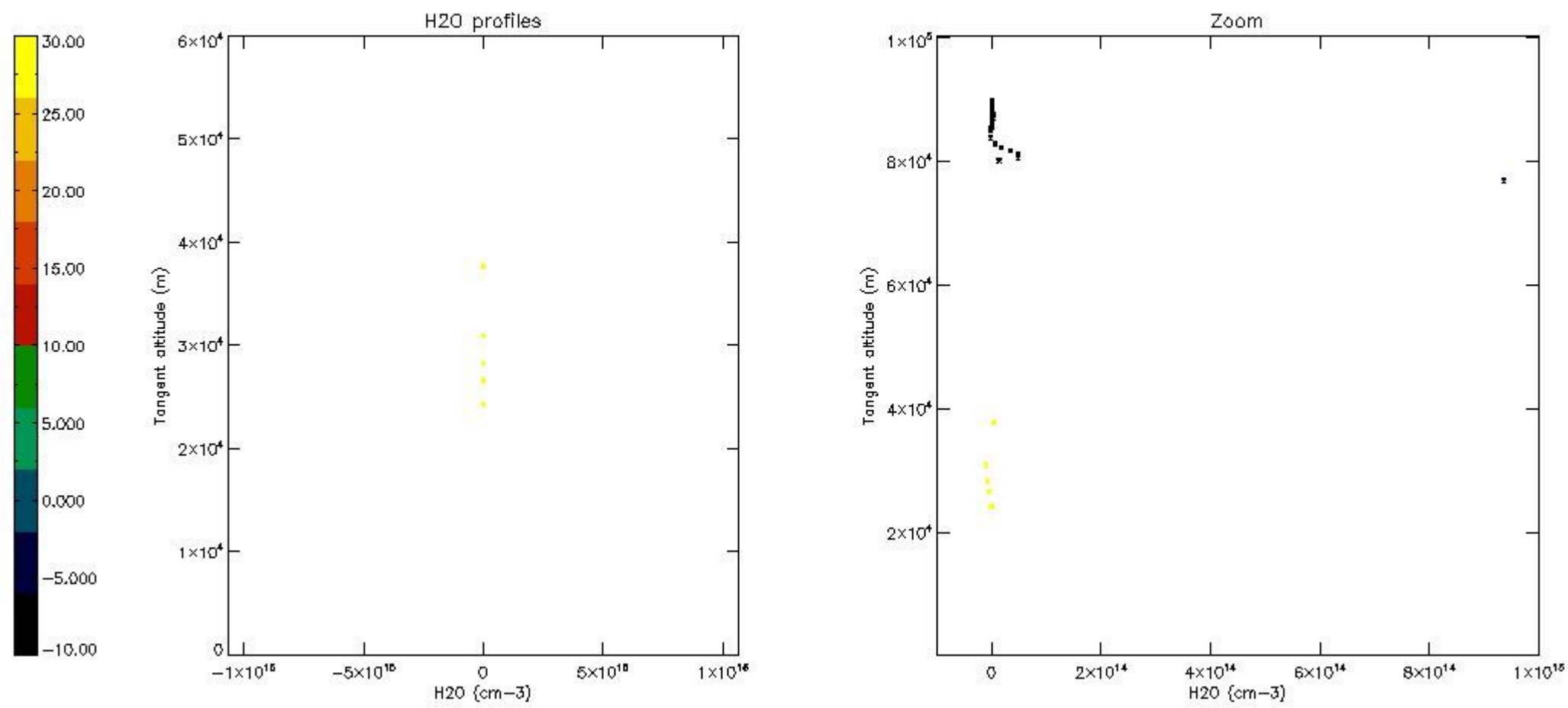
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

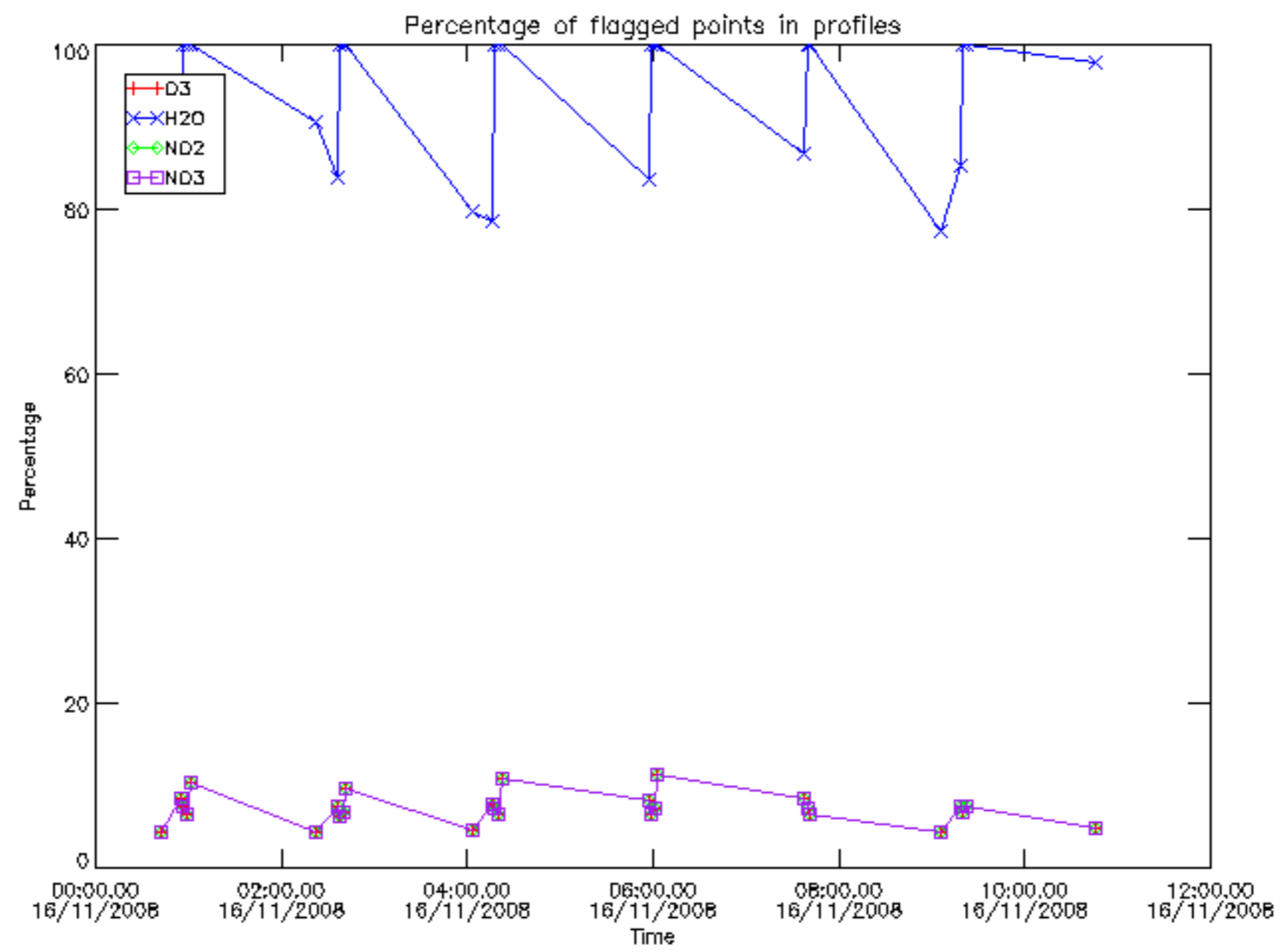
The colorbar represents the latitude.



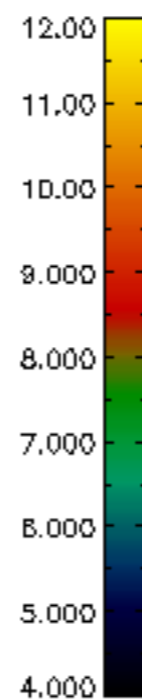
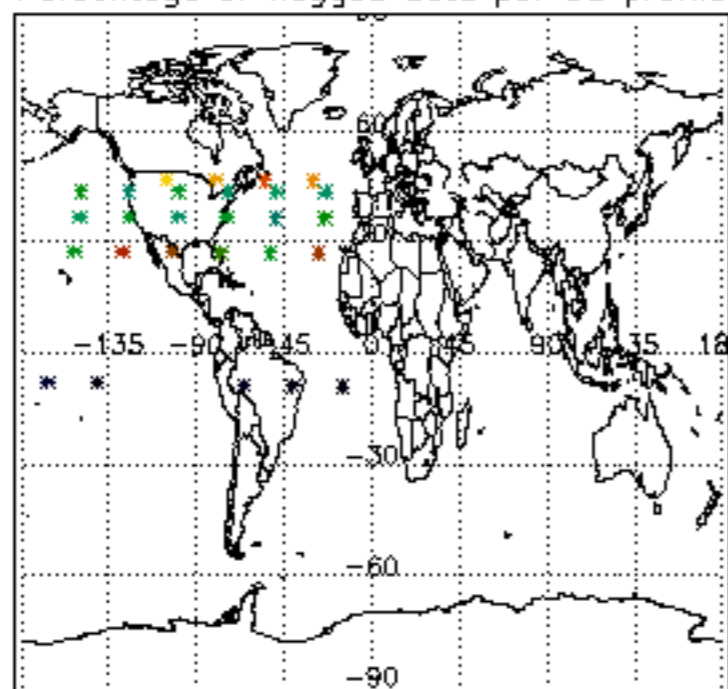
6. Auxiliary Data Files used for the production reported in section 2

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

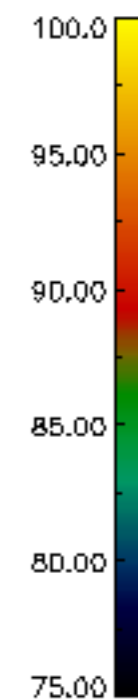
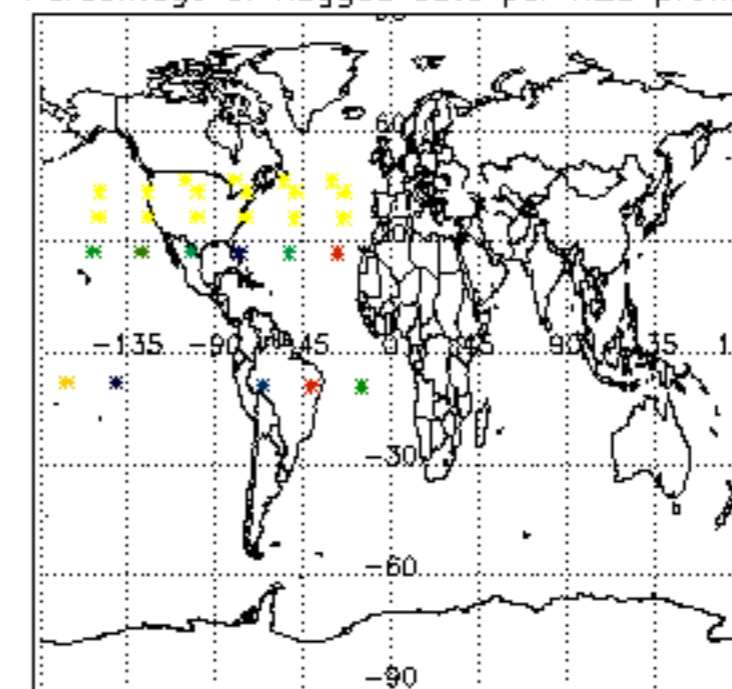
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-NOV-2008 00:21:44
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-NOV-2008 00:21:44
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-NOV-2008 00:21:44



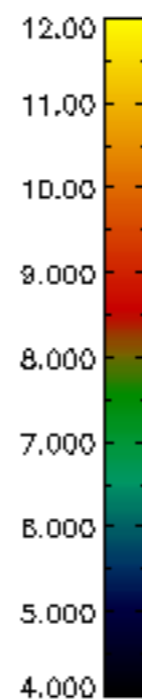
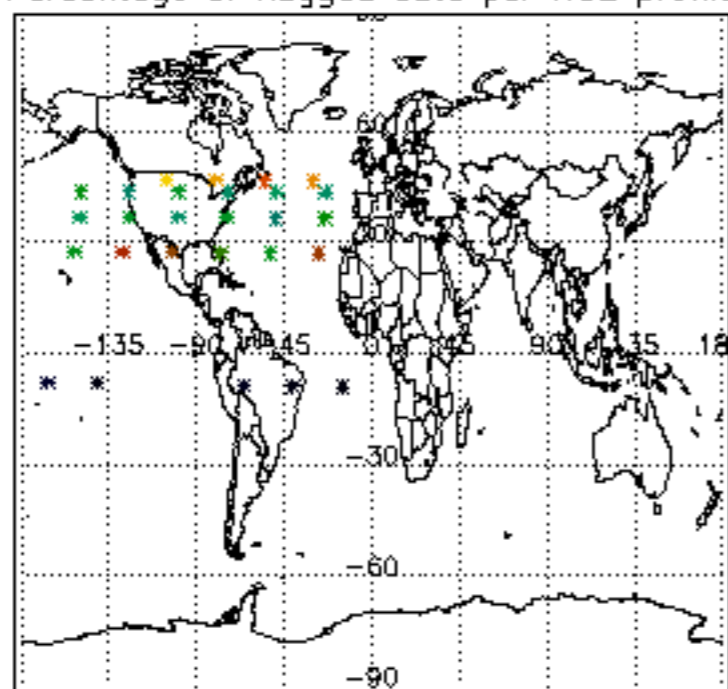
Percentage of flagged data per D3 profile



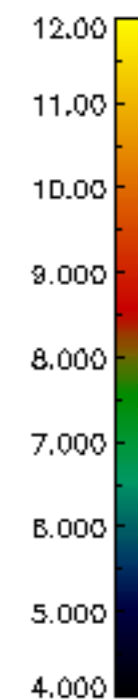
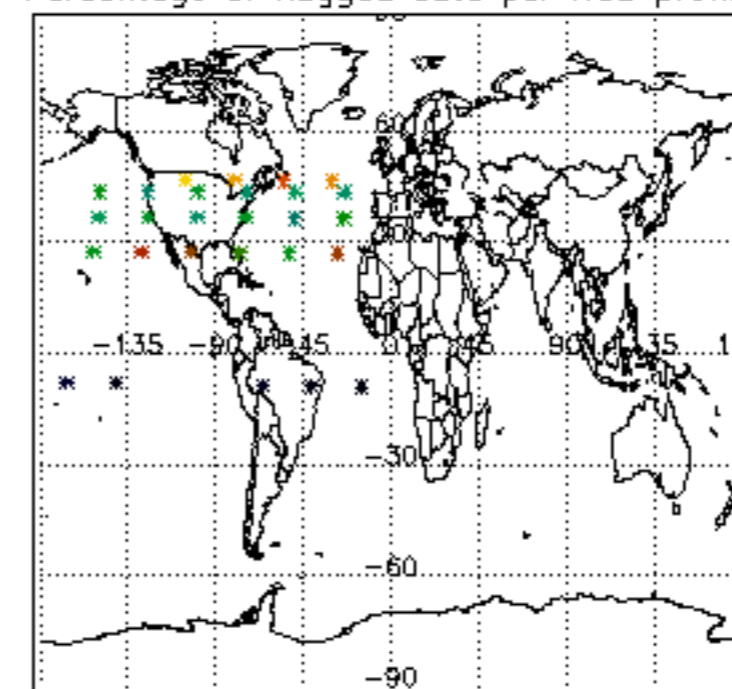
Percentage of flagged data per H2O profile

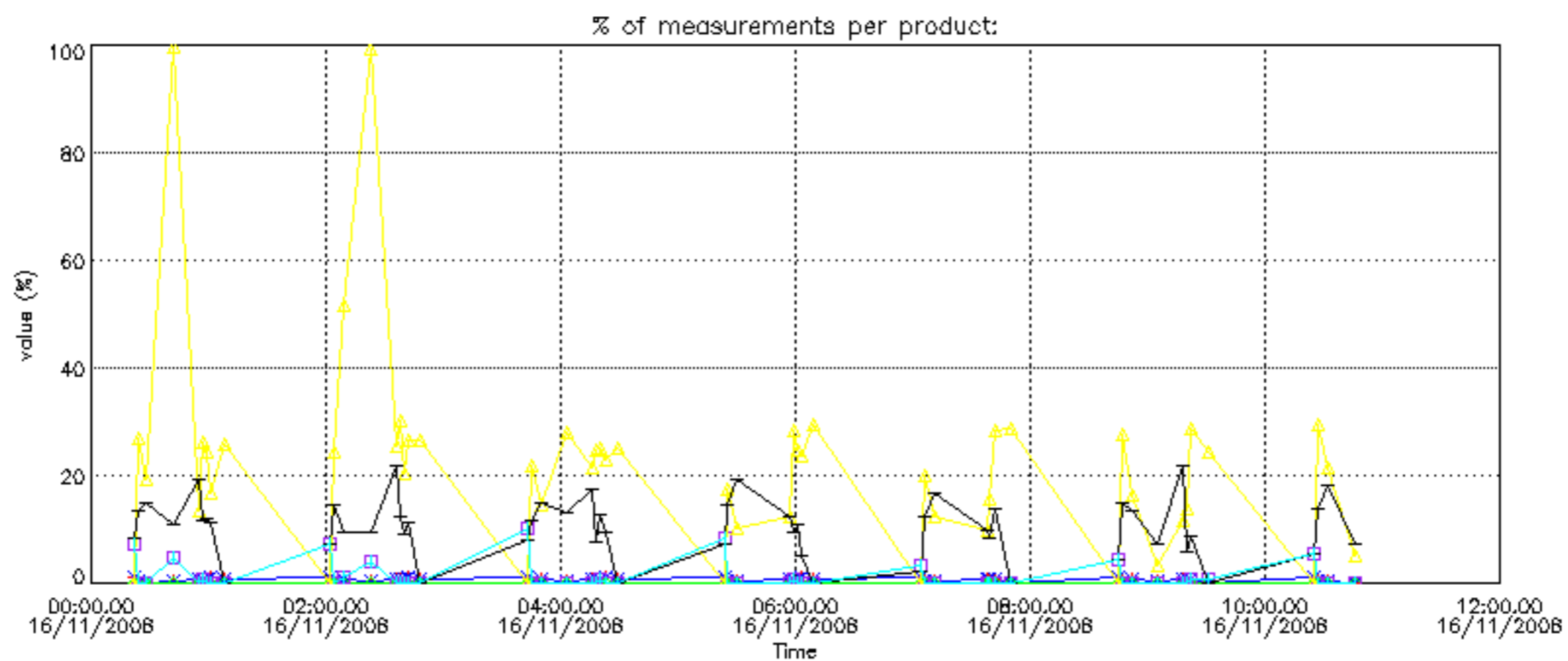
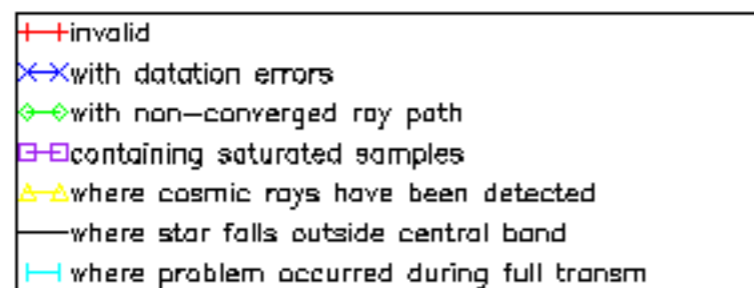


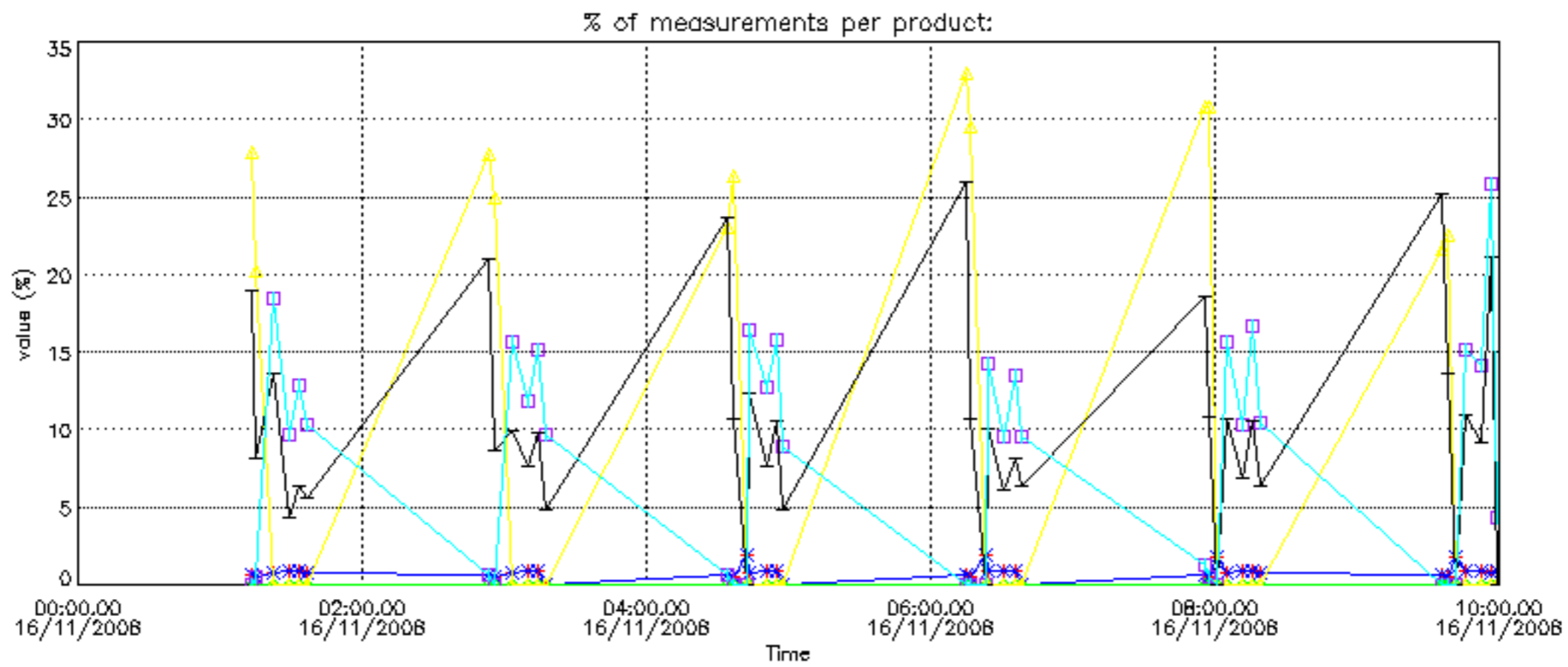
Percentage of flagged data per NO2 profile



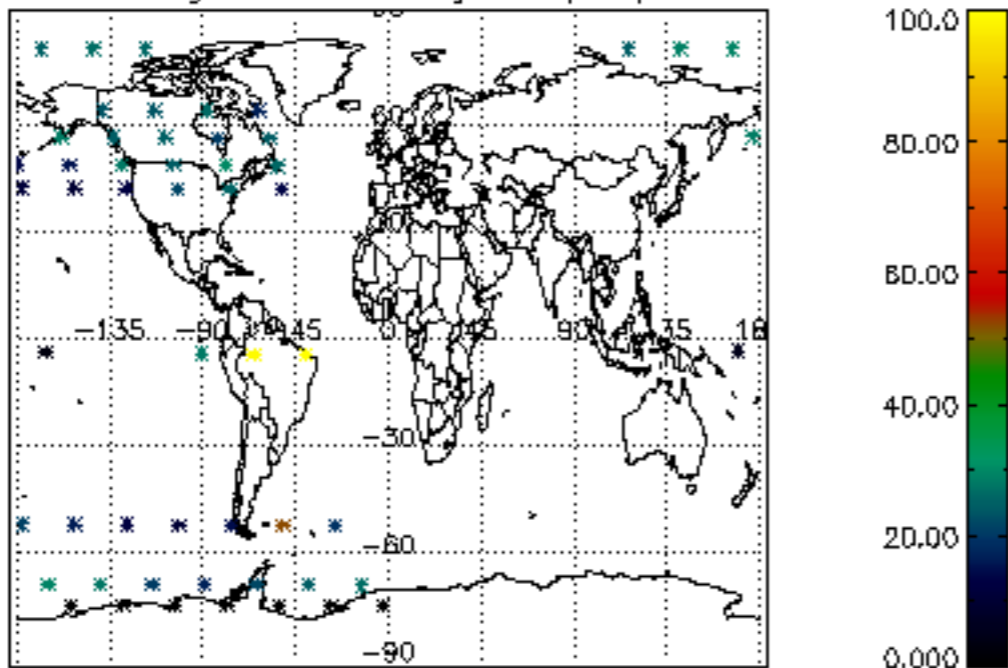
Percentage of flagged data per NO3 profile



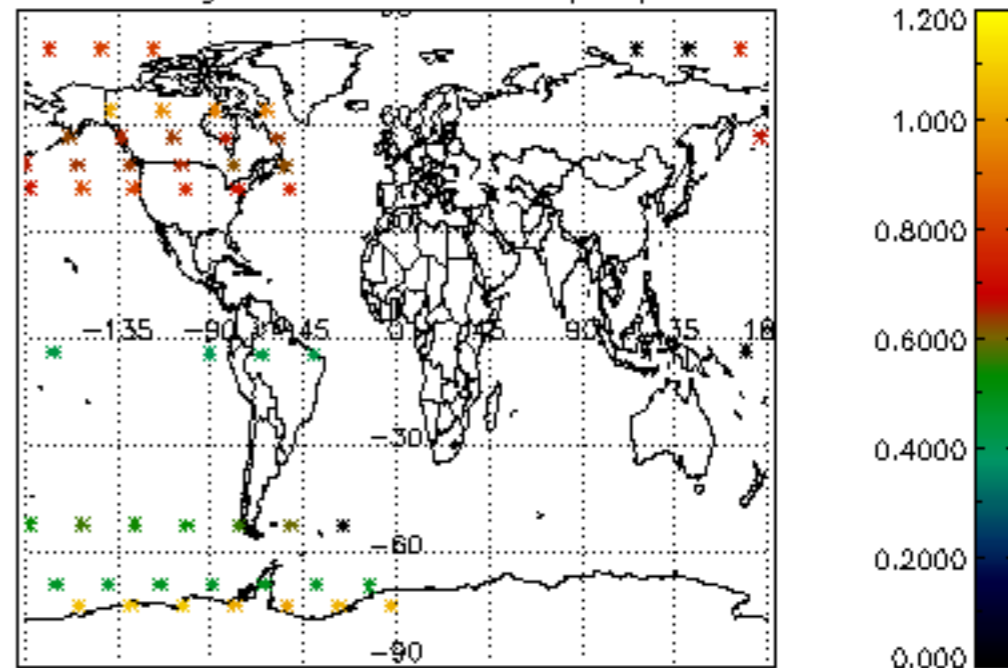




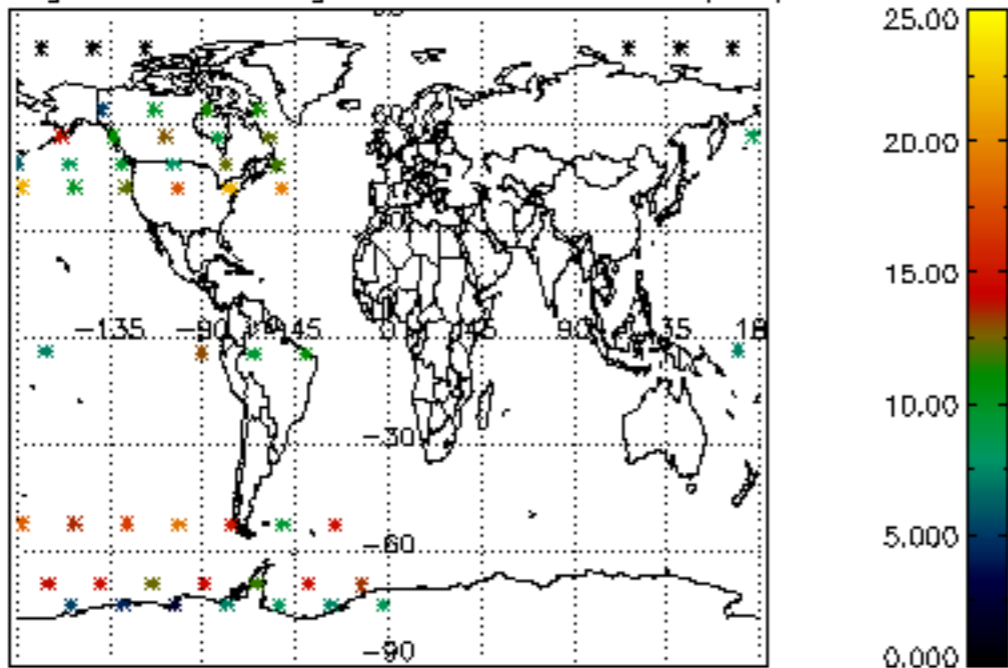
Percentage of cosmic ray hits per profile



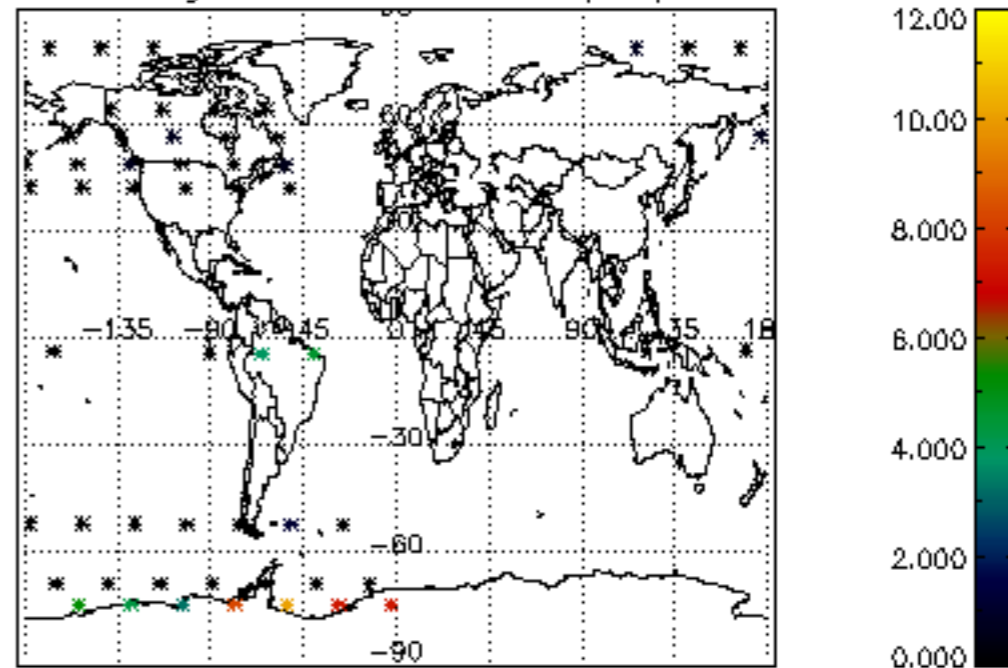
Percentage of datation errors per profile



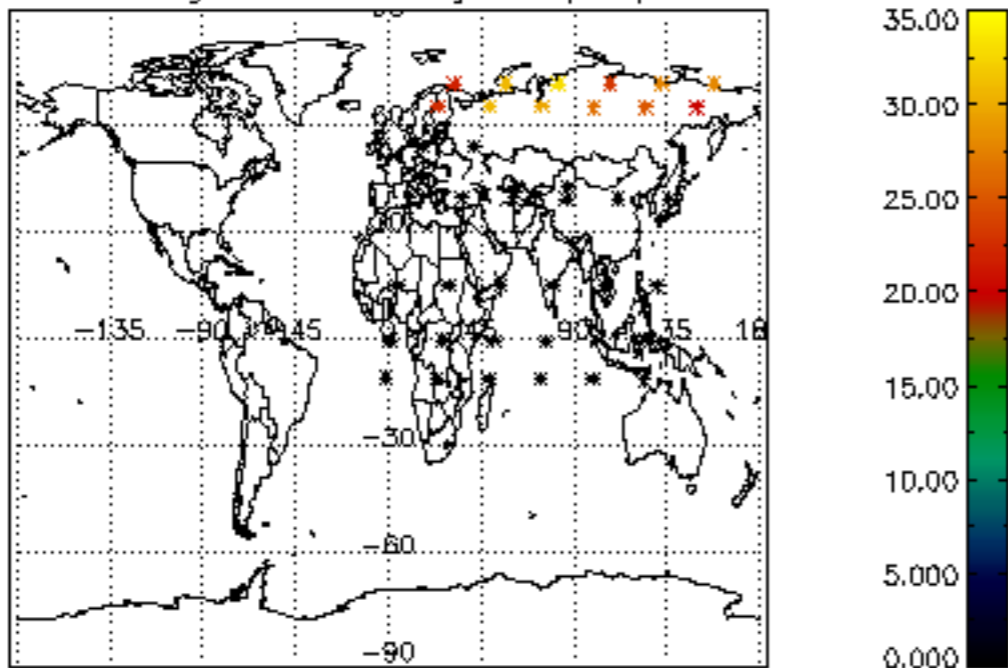
Percentage of star falling outside central band per profile



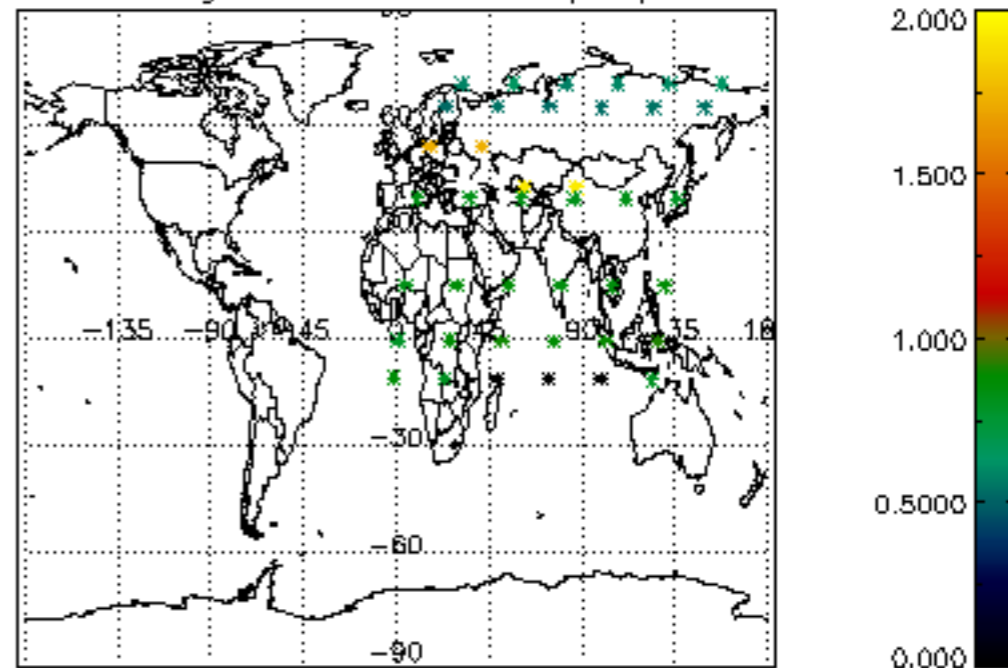
Percentage of saturation errors per profile



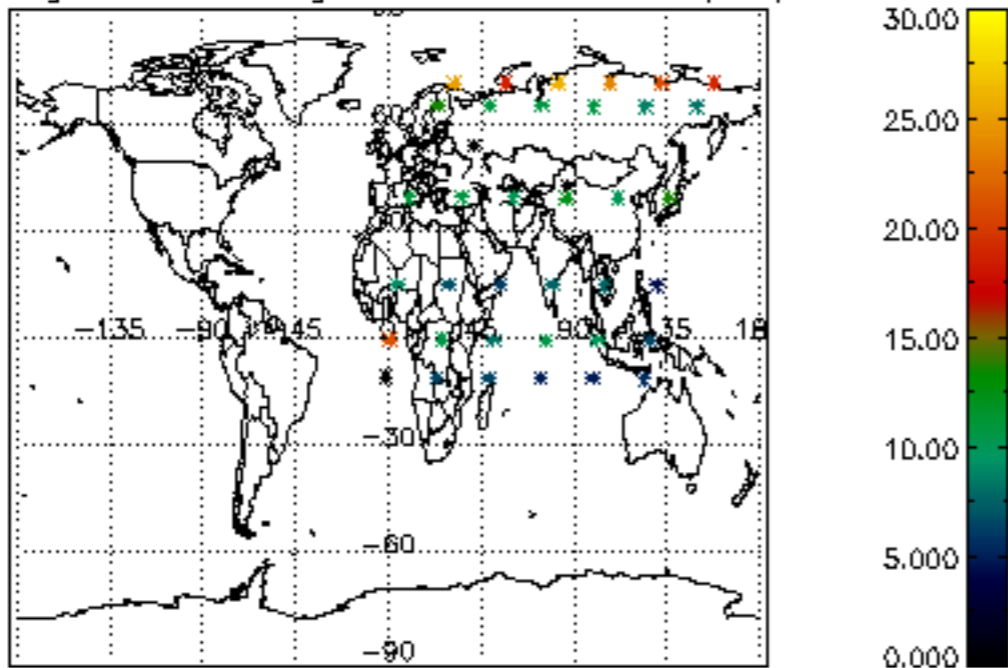
Percentage of cosmic ray hits per profile



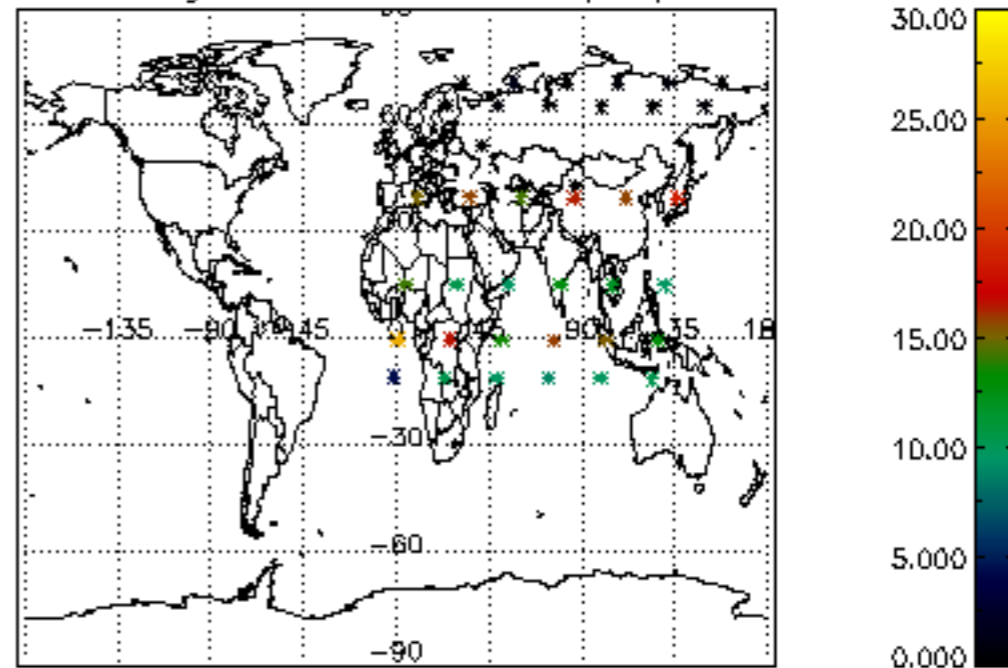
Percentage of datation errors per profile

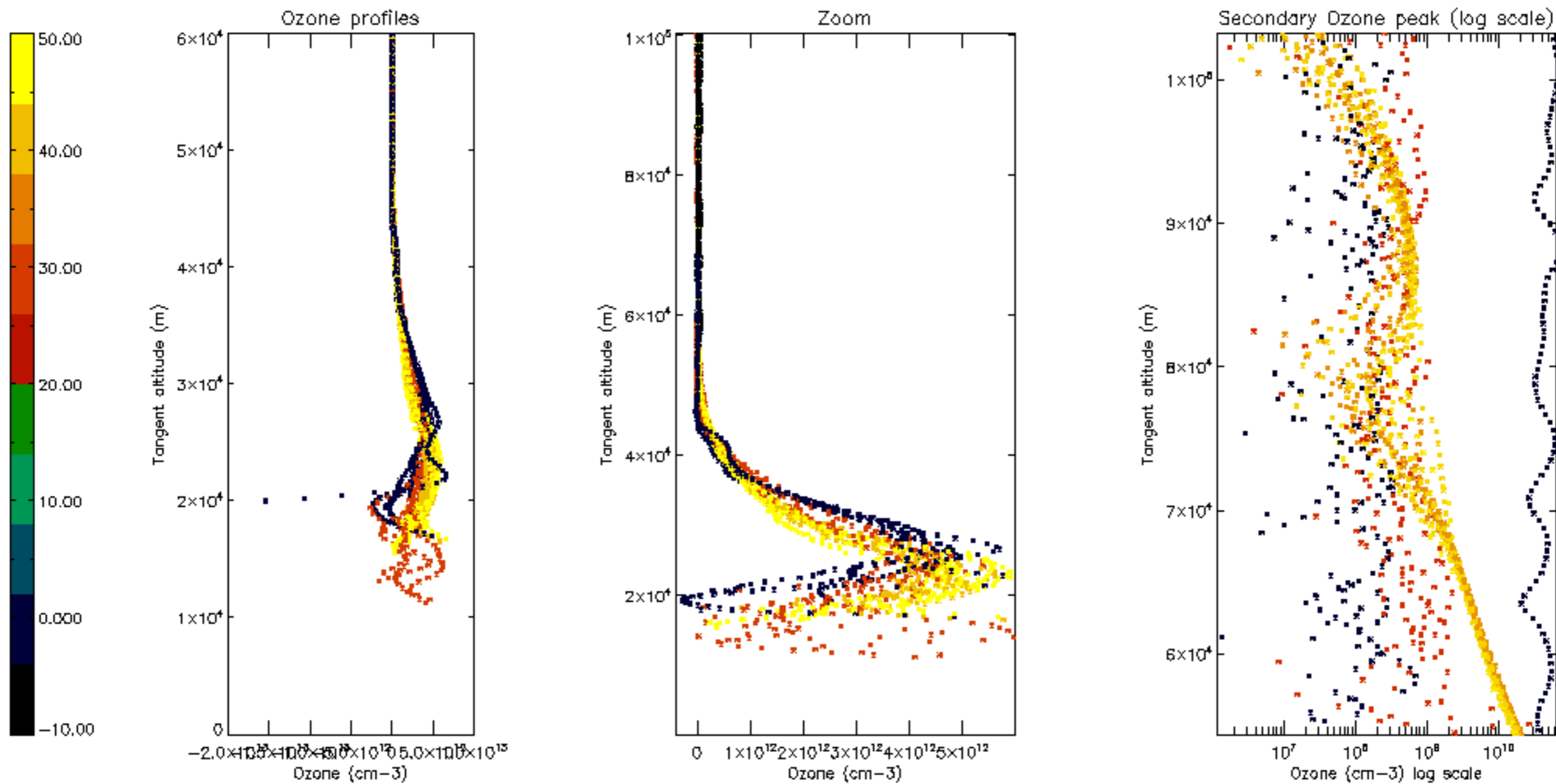


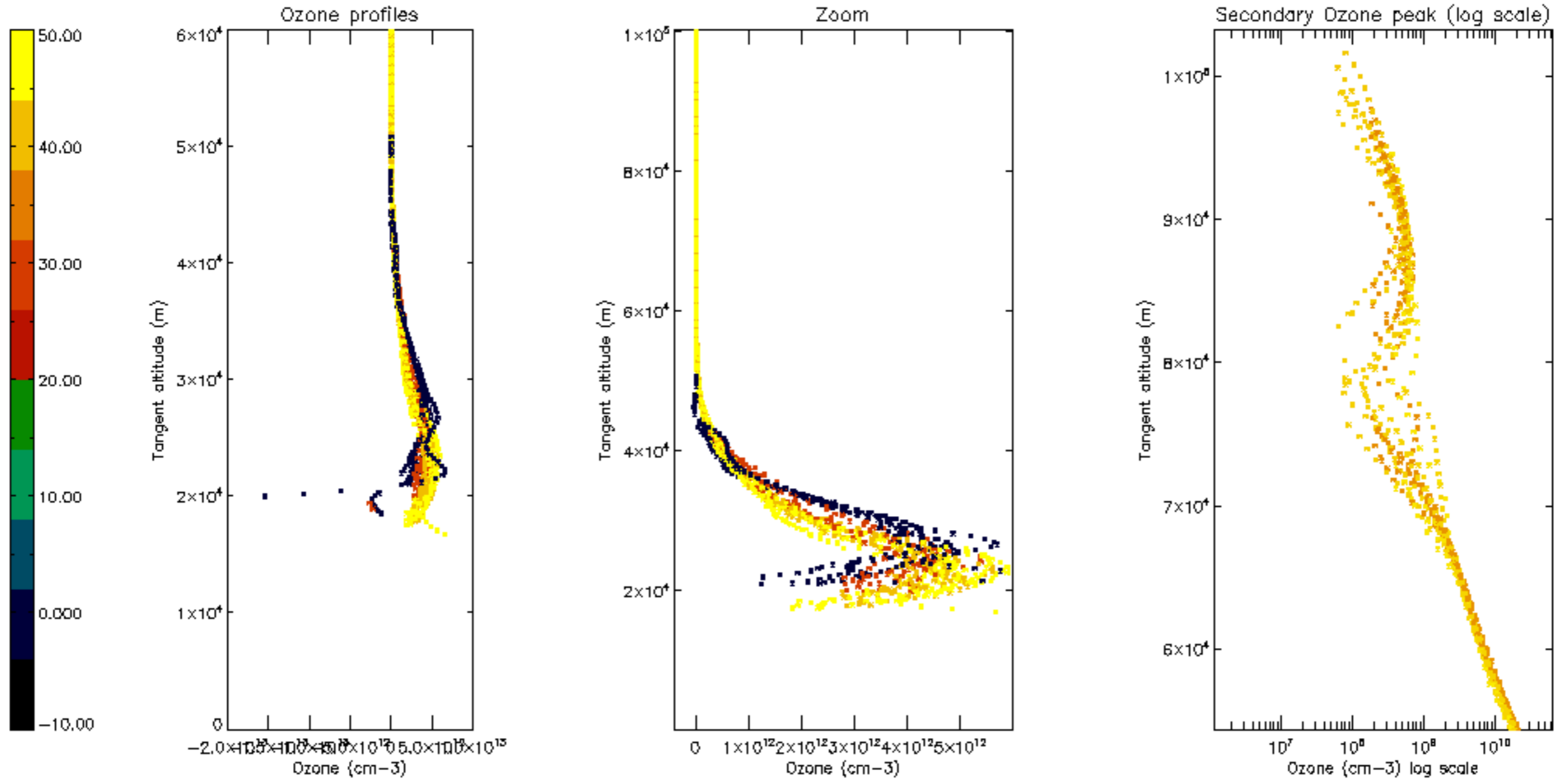
Percentage of star falling outside central band per profile

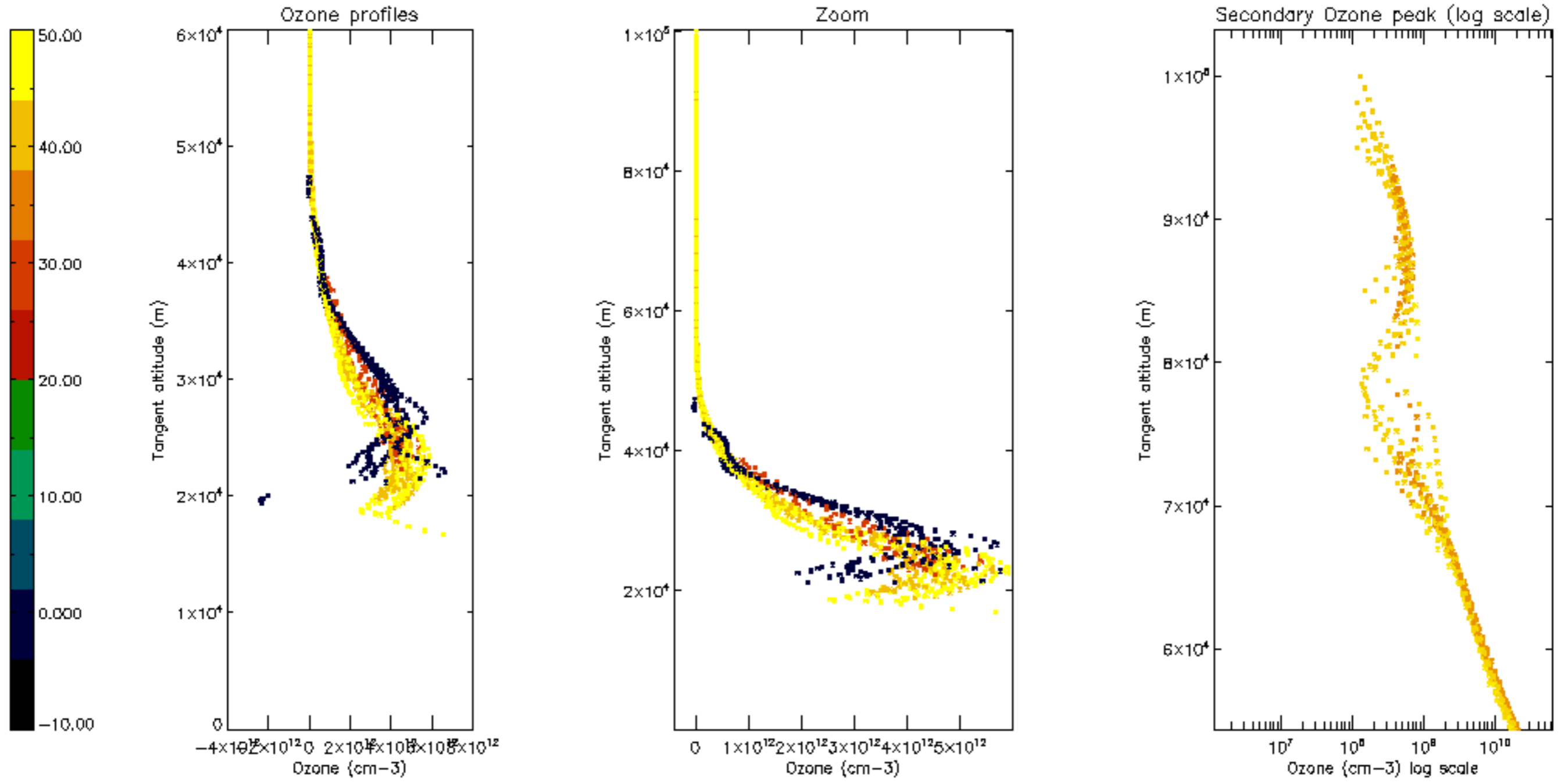


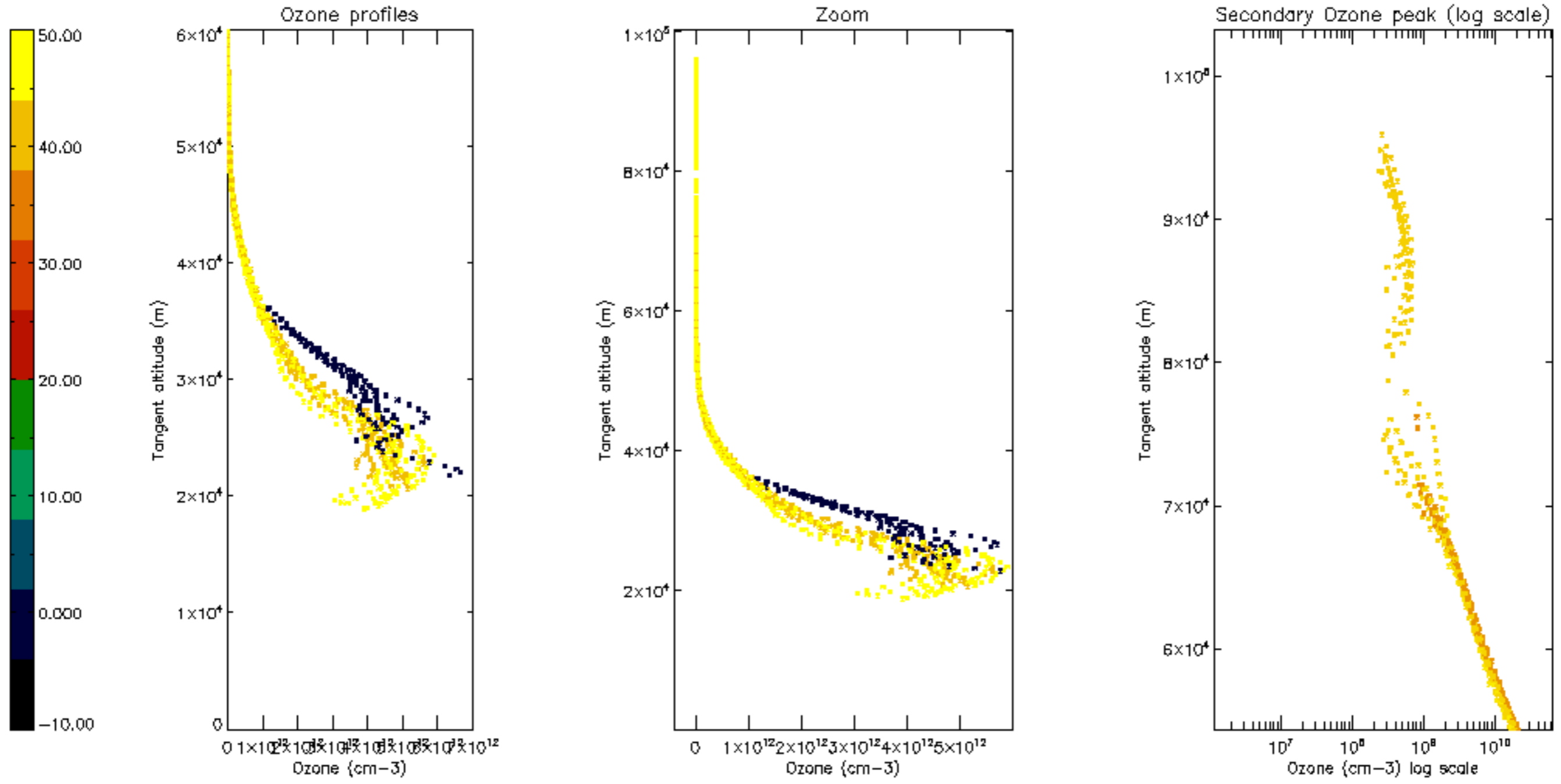
Percentage of saturation errors per profile

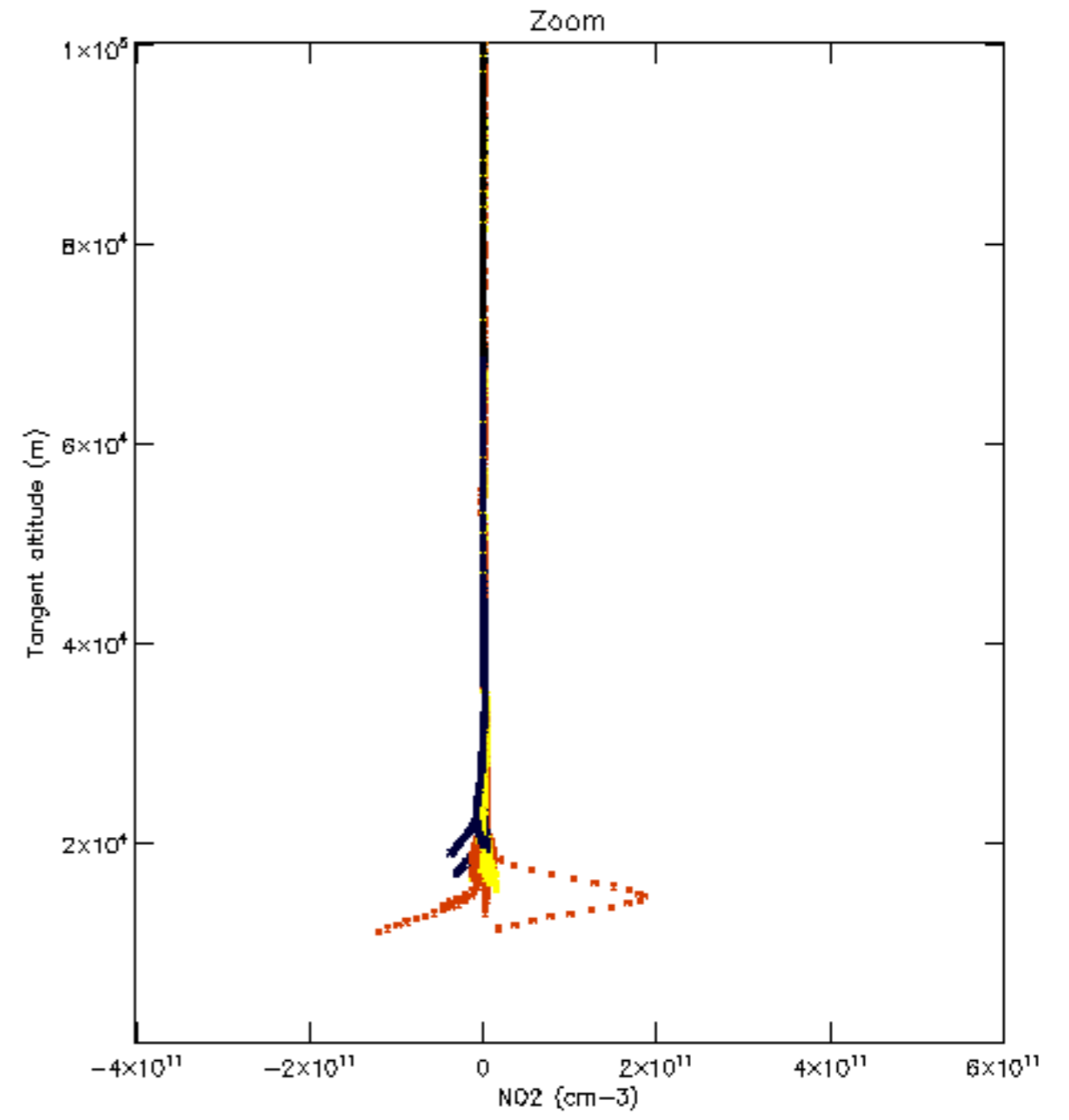
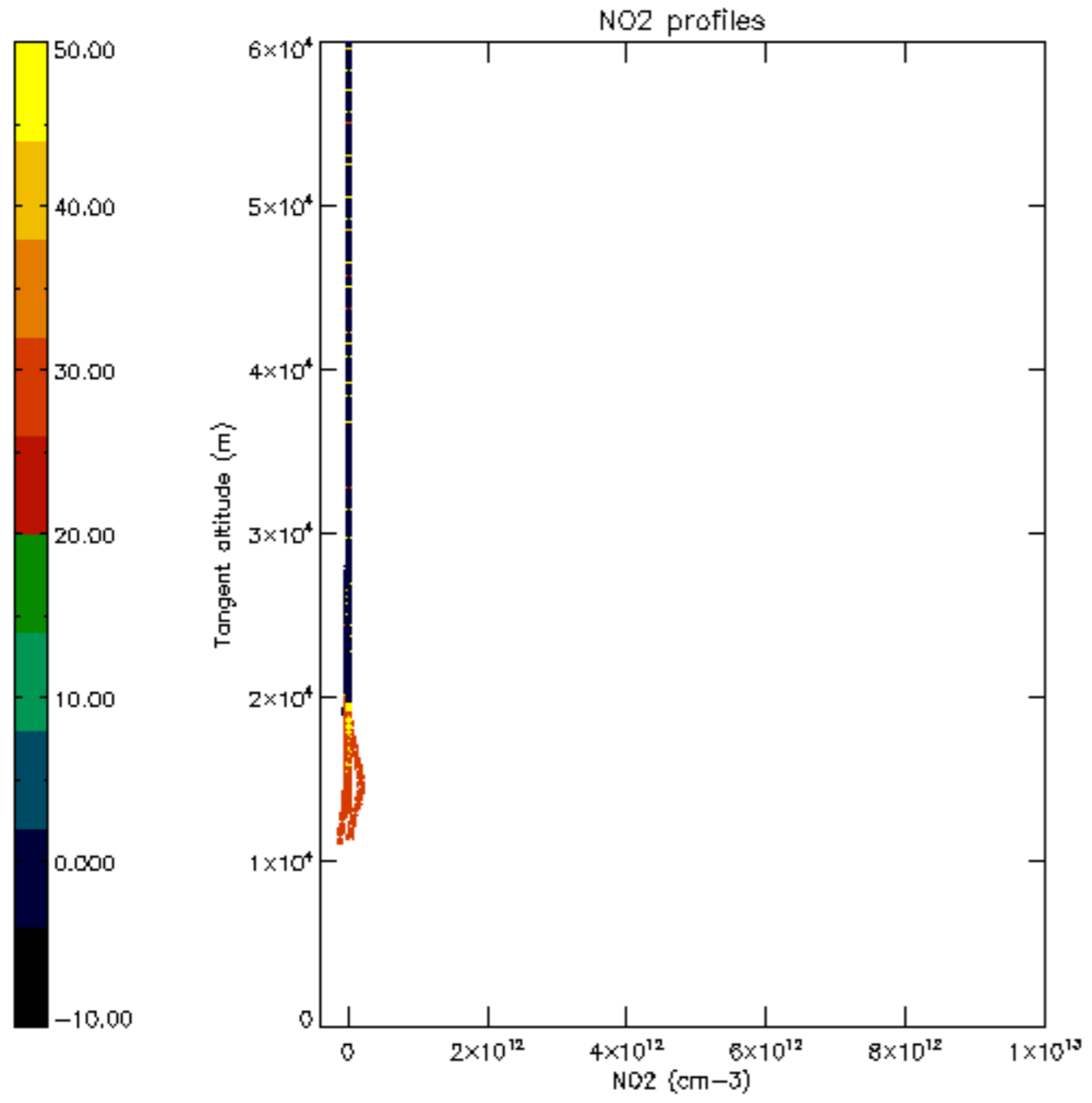


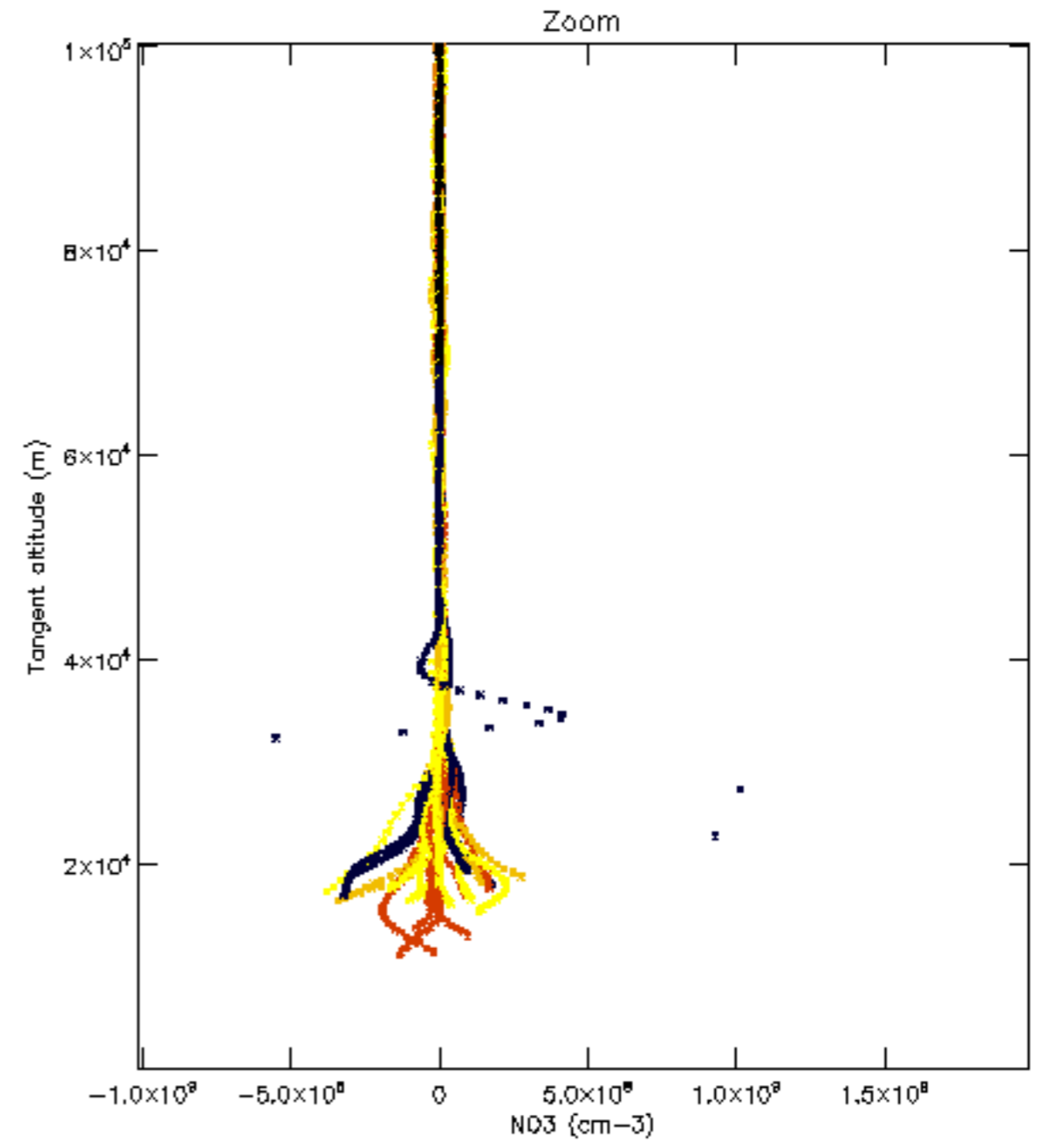
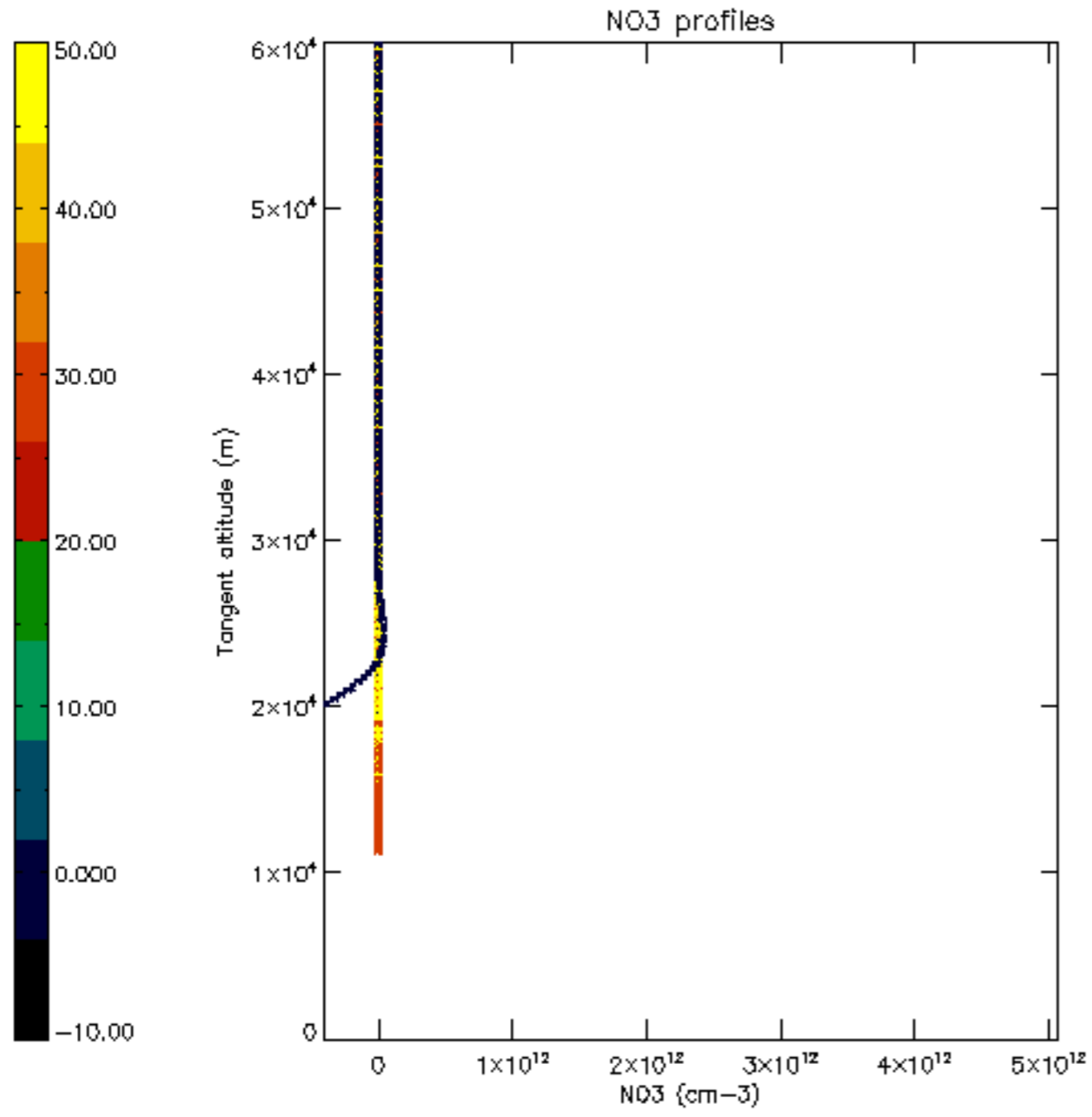


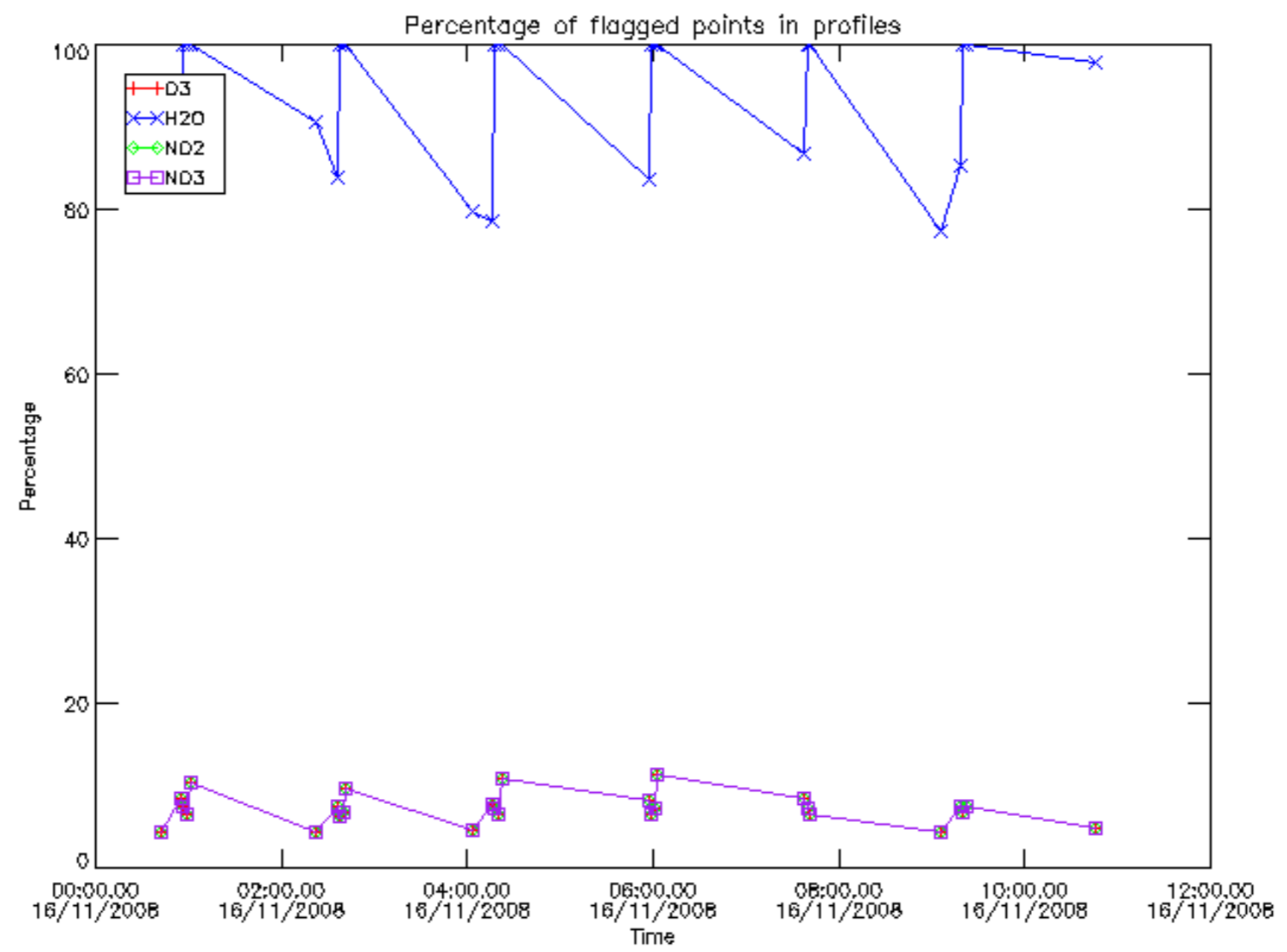




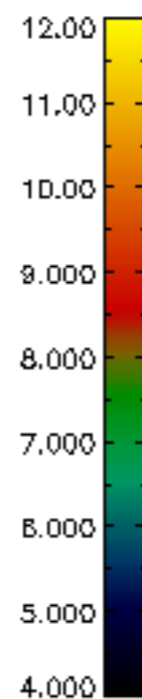
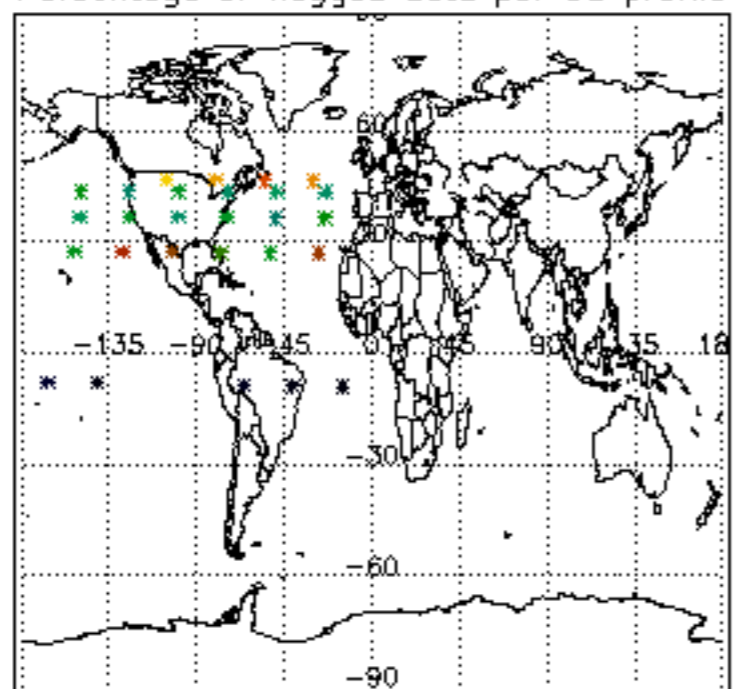




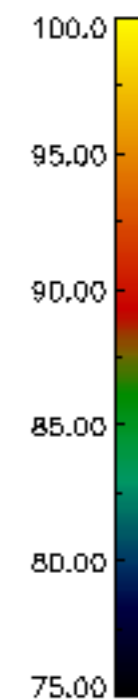
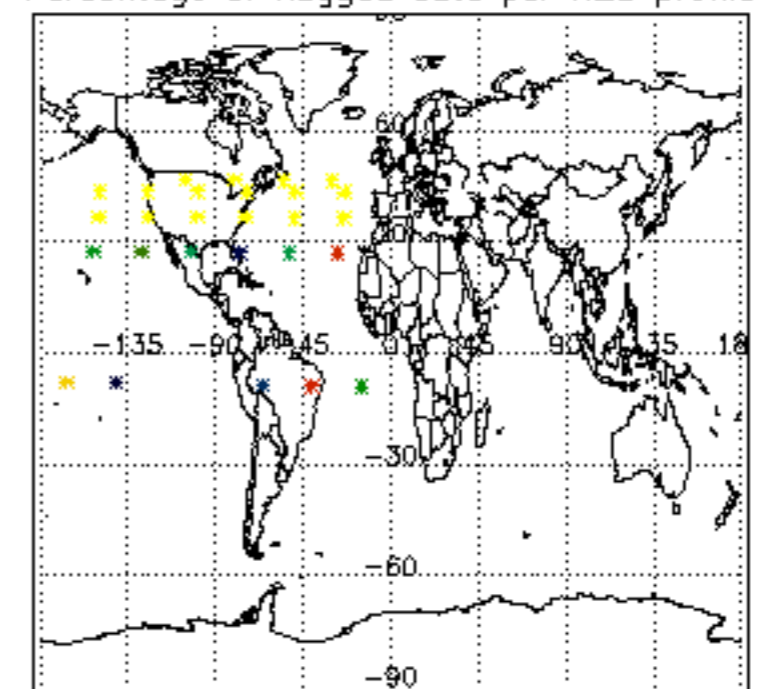




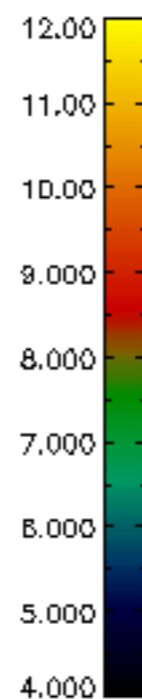
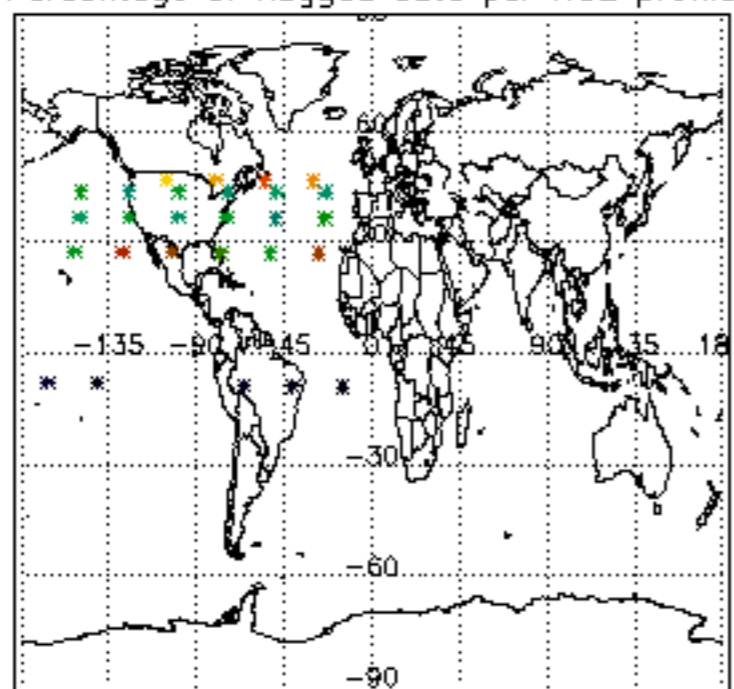
Percentage of flagged data per D3 profile



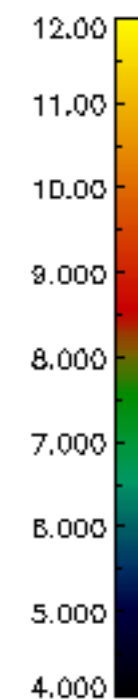
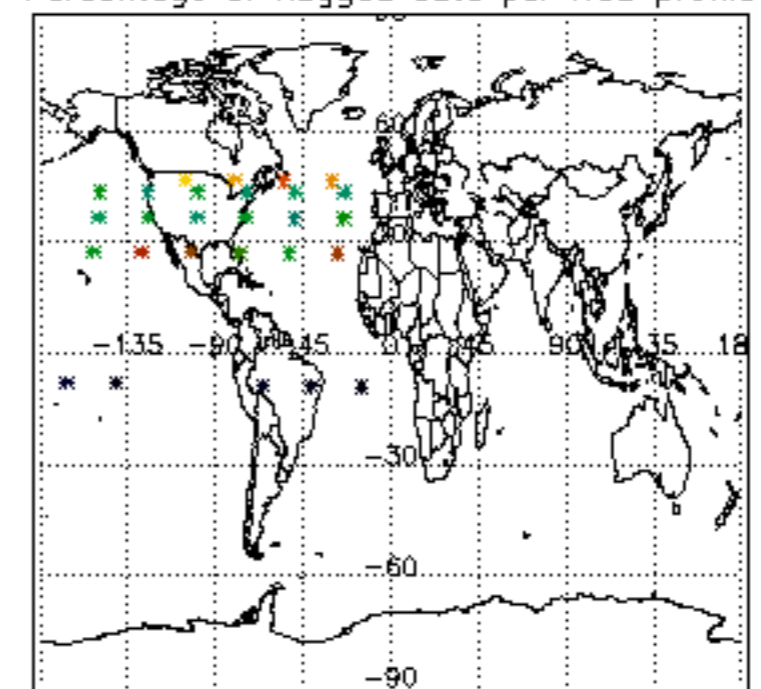
Percentage of flagged data per H2O profile

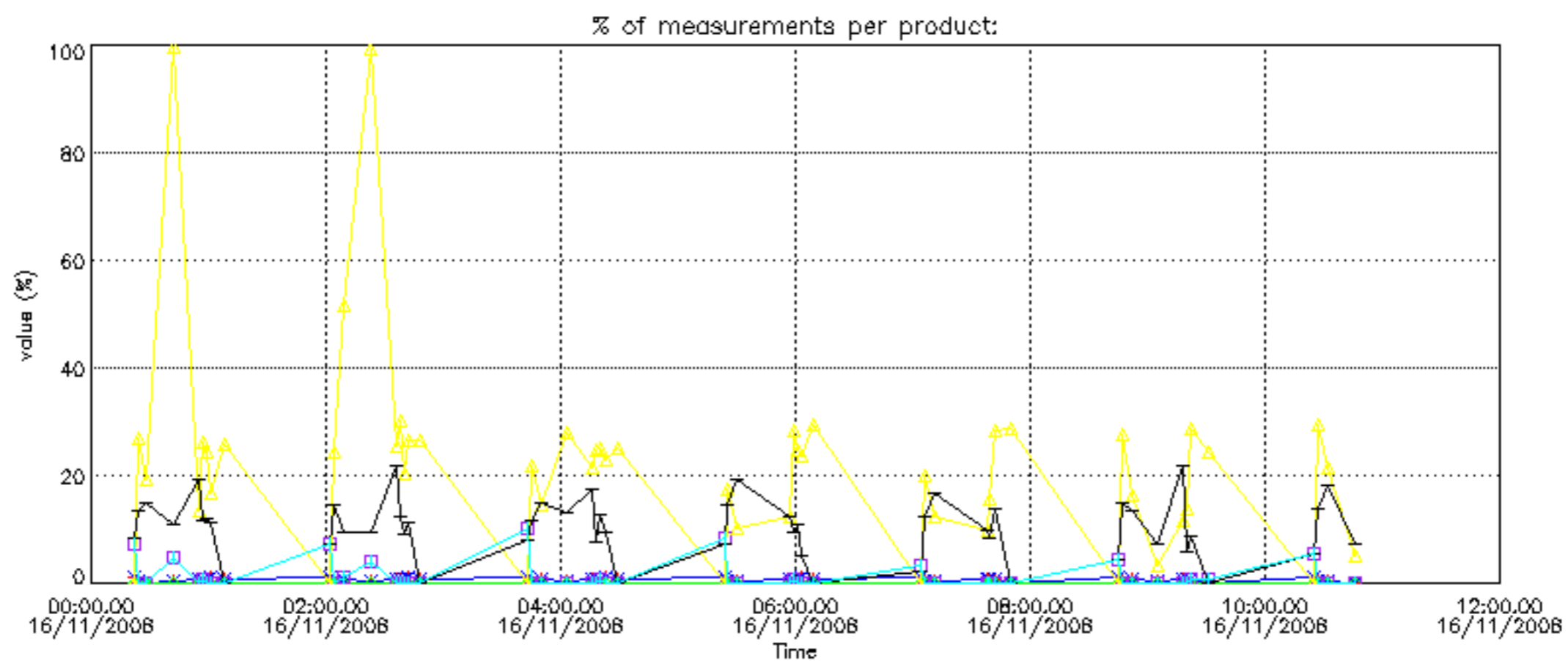
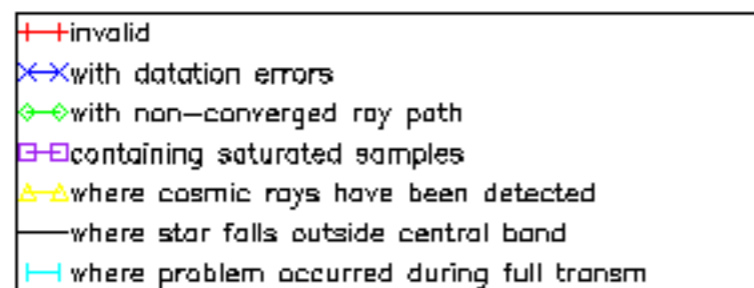


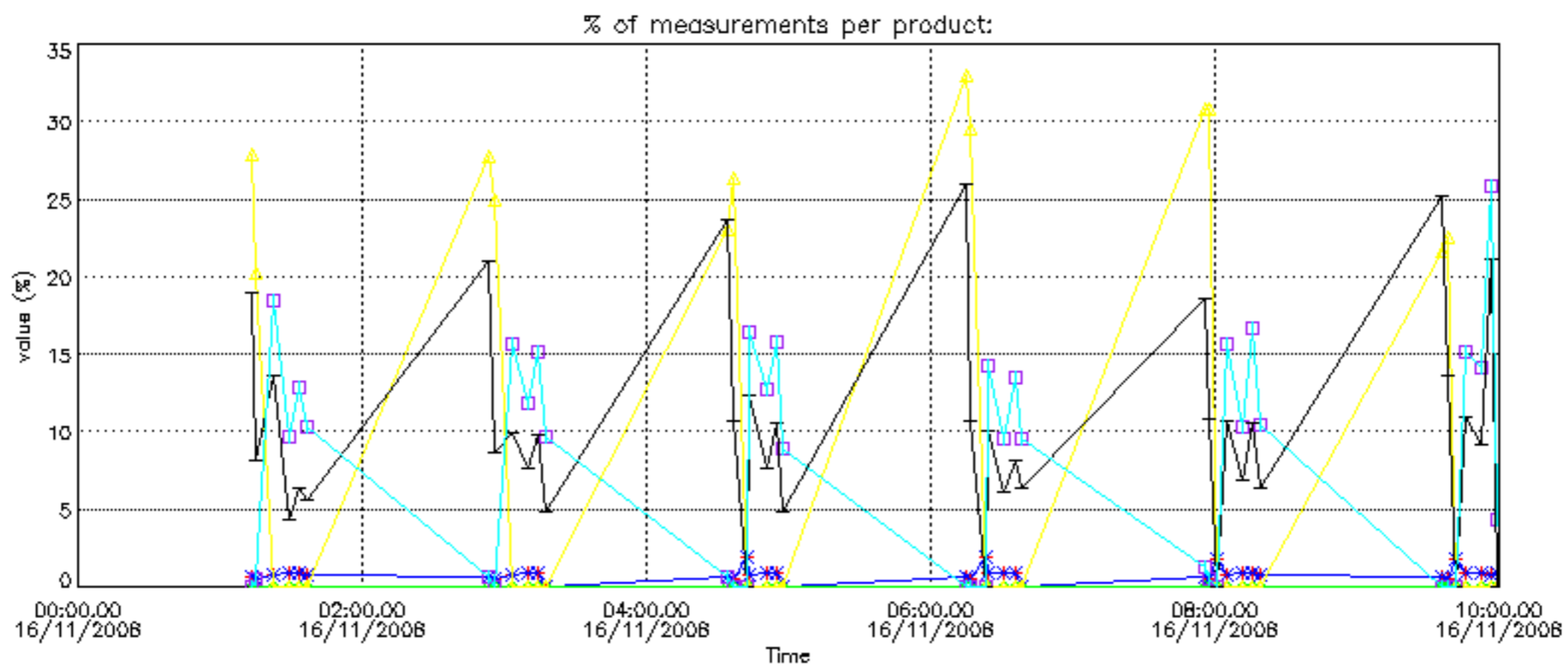
Percentage of flagged data per NO2 profile



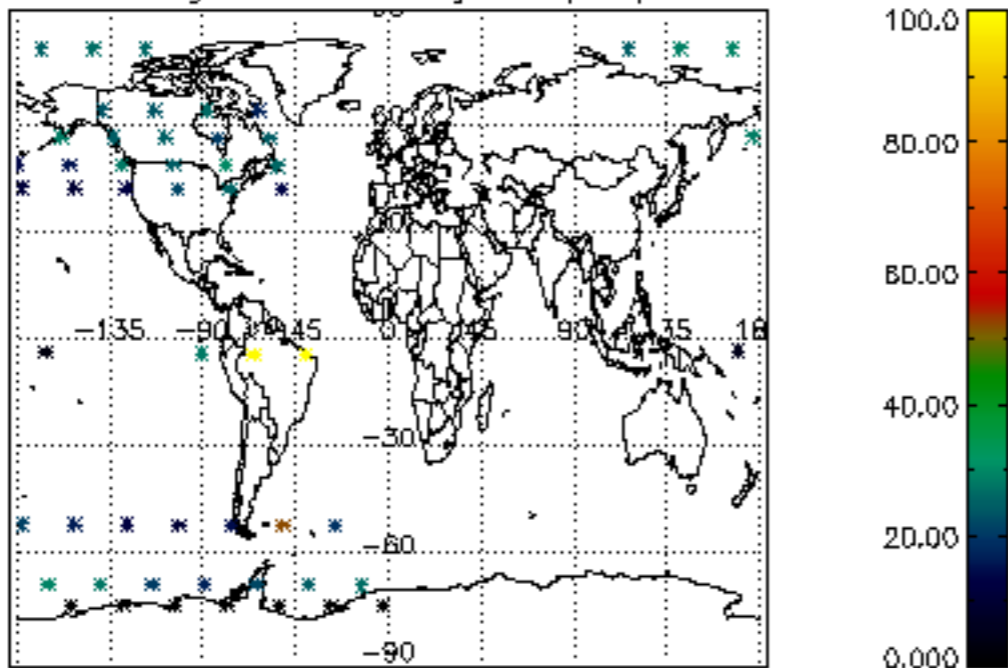
Percentage of flagged data per NO3 profile



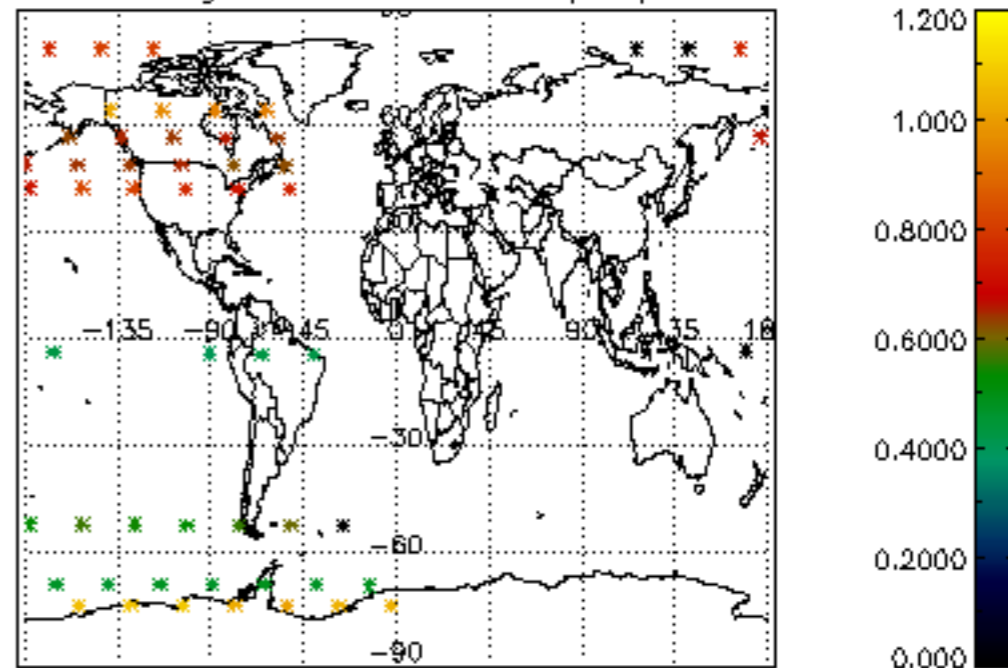




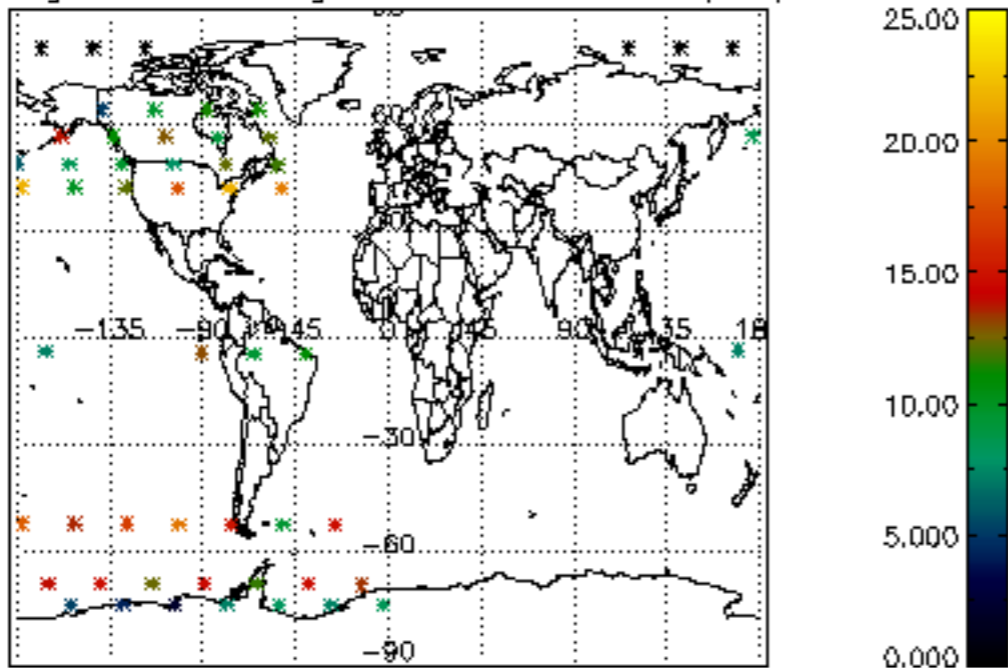
Percentage of cosmic ray hits per profile



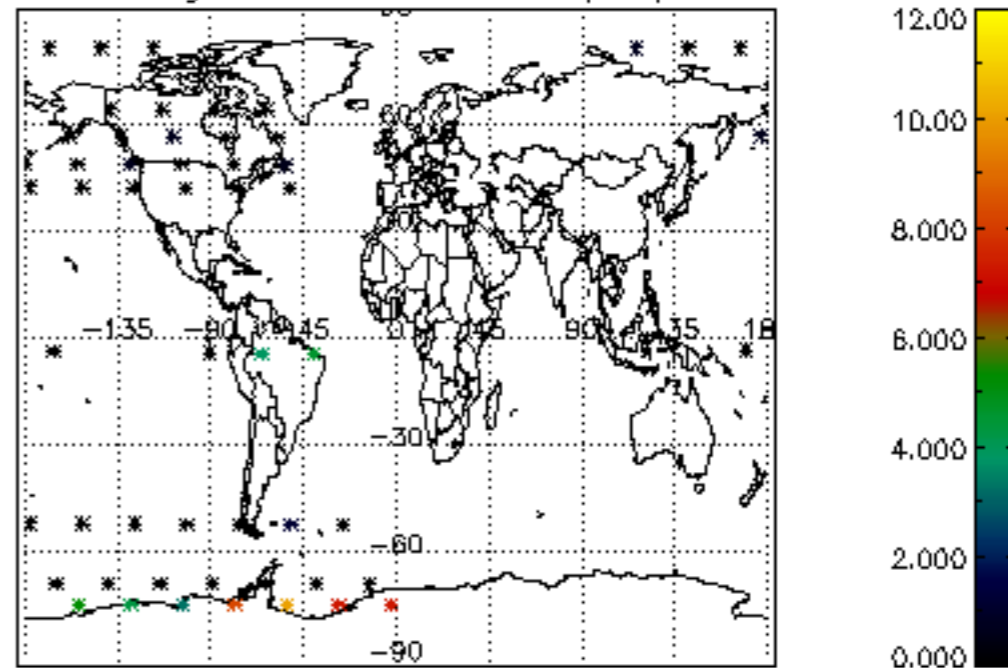
Percentage of datation errors per profile



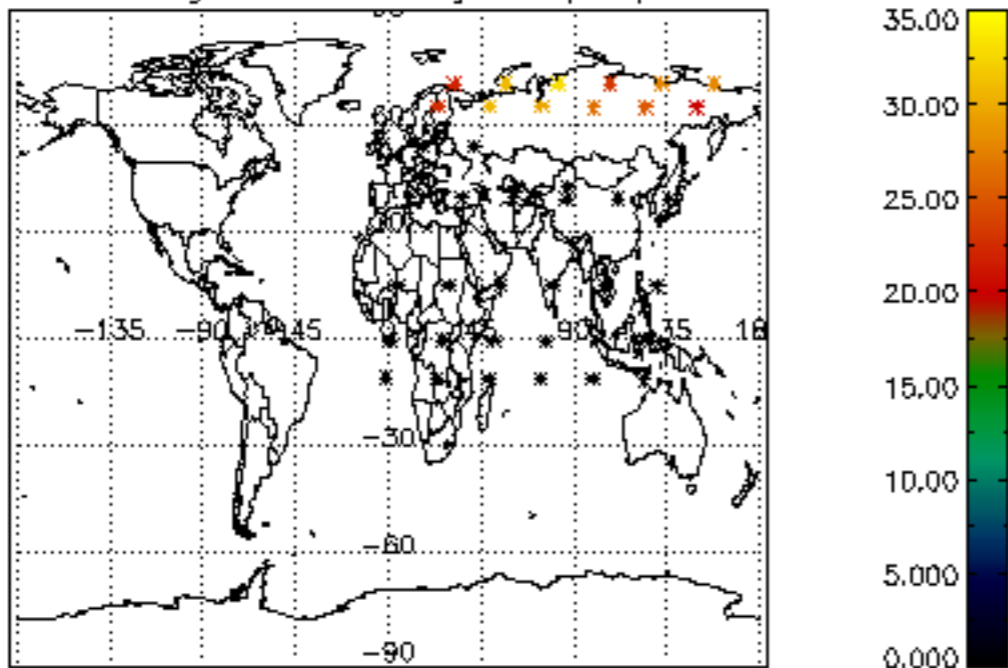
Percentage of star falling outside central band per profile



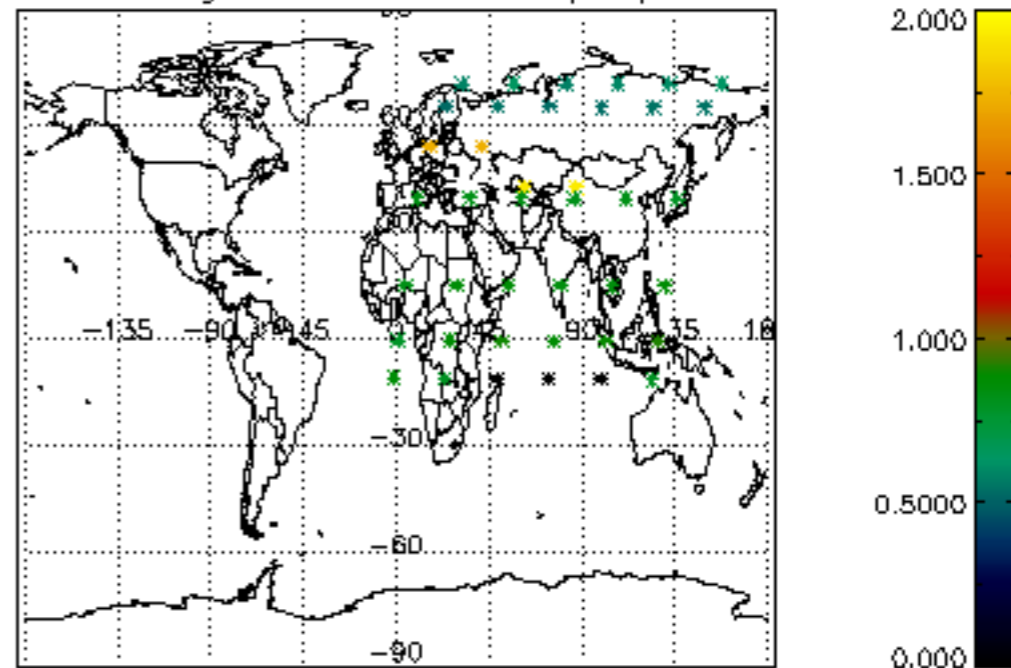
Percentage of saturation errors per profile



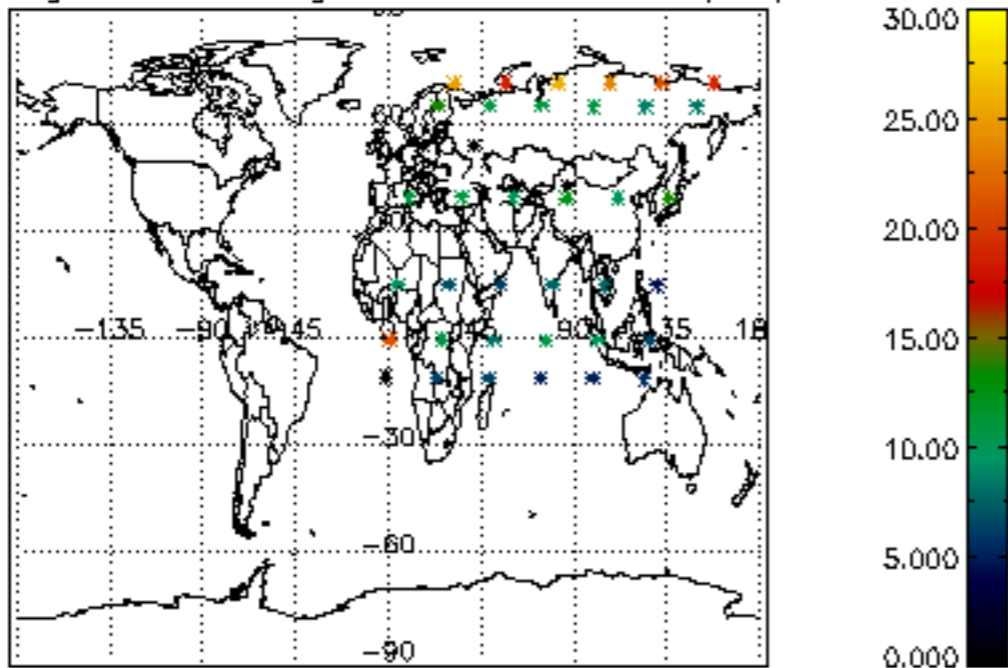
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

