

# GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	18APR2013 18:22:45
Data source version	GOMOS/6.01
Start time of products	01-02-2004 (01FEB2004 00:00:00)
Stop time of products	02-02-2004 (02FEB2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	133
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__2PRFIN20040201_172945_000000462023_00485_10058_1231.N1	01-FEB-2004 17:29:45	Dark	45.500	109	Bet Lup	2.6770	26000.	91	10058	No
2	GOM_NL__2PRFIN20040201_173241_000000392023_00485_10058_1232.N1	01-FEB-2004 17:32:41	Dark	38.500	145	Gam TrA	2.8720	10600.	77	10058	No
3	GOM_NL__2PRFIN20040201_173717_000000452023_00485_10058_1233.N1	01-FEB-2004 17:37:17	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	10058	No
4	GOM_NL__2PRFIN20040201_174048_000000402023_00485_10058_1234.N1	01-FEB-2004 17:40:48	Dark	39.500	29	Bet Car	1.6720	10200.	79	10058	No
5	GOM_NL__2PRFIN20040201_174309_000000432023_00485_10058_1235.N1	01-FEB-2004 17:43:09	Dark	43.000	71	lot Car	2.2460	7700.0	86	10058	No
6	GOM_NL__2PRFIN20040201_174454_000000422023_00485_10058_1236.N1	01-FEB-2004 17:44:54	Dark	41.500	46	Del Vel	1.9540	10600.	83	10058	No
7	GOM_NL__2PRFIN20040201_174725_000000442023_00485_10058_1237.N1	01-FEB-2004 17:47:25	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	10058	No
8	GOM_NL__2PRFIN20040201_174930_000000422023_00485_10058_1238.N1	01-FEB-2004 17:49:30	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	10058	No
9	GOM_NL__2PRFIN20040201_175052_000000442023_00485_10058_1239.N1	01-FEB-2004 17:50:52	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	10058	No
10	GOM_NL__2PRFIN20040201_175356_000000432023_00485_10058_1240.N1	01-FEB-2004 17:53:56	Straylight	43.000	37	25Del CMa	1.8300	5900.0	86	10058	No
11	GOM_NL__2PRFIN20040201_175650_000000482023_00485_10058_1241.N1	01-FEB-2004 17:56:50	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	10058	No
12	GOM_NL__2PRFIN20040201_175828_000000672023_00485_10058_1242.N1	01-FEB-2004 17:58:28	Straylight	67.000	48	30Alp Hya	1.9770	4100.0	134	10058	No
13	GOM_NL__2PRFIN20040201_180238_000000532023_00485_10058_1243.N1	01-FEB-2004 18:02:38	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	10058	No
14	GOM_NL__2PRFIN20040201_180605_000000412023_00485_10058_1244.N1	01-FEB-2004 18:06:05	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	10058	No
15	GOM_NL__2PRFIN20040201_180755_000000402023_00485_10058_1245.N1	01-FEB-2004 18:07:55	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	10058	No
16	GOM_NL__2PRFIN20040201_180918_000000442023_00485_10058_1246.N1	01-FEB-2004 18:09:18	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	10058	No
17	GOM_NL__2PRFIN20040201_181213_000000382023_00485_10058_1247.N1	01-FEB-2004 18:12:13	Bright	37.500	107	37The Aur	2.6490	11000.	75	10058	No
18	GOM_NL__2PRFIN20040201_181418_000000382023_00485_10058_1248.N1	01-FEB-2004 18:14:18	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	10058	No
19	GOM_NL__2PRFIN20040201_182338_000000502023_00485_10058_1249.N1	01-FEB-2004 18:23:38	Bright	50.000	82	48Bet UMa	2.3650	10600.	100	10058	No
20	GOM_NL__2PRFIN20040201_182633_000000402023_00485_10058_1250.N1	01-FEB-2004 18:26:33	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	10058	No
21	GOM_NL__2PRFIN20040201_182937_000000442023_00485_10058_1251.N1	01-FEB-2004 18:29:37	Bright	44.000	60	7Bet UMi	2.0810	3950.0	88	10058	No
22	GOM_NL__2PRFIN20040201_183134_000000532023_00485_10058_1252.N1	01-FEB-2004 18:31:34	Bright	52.500	55	79Zet UMa	2.0600	10200.	105	10058	No
23	GOM_NL__2PRFIN20040201_183420_000000422023_00485_10058_1253.N1	01-FEB-2004 18:34:20	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	10058	No
24	GOM_NL__2PRFIN20040201_183731_000000402023_00485_10058_1254.N1	01-FEB-2004 18:37:31	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	10058	No
25	GOM_NL__2PRFIN20040201_184110_000000402023_00485_10058_1255.N1	01-FEB-2004 18:41:10	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	10058	No
26	GOM_NL__2PRFIN20040201_184413_000000442023_00485_10058_1256.N1	01-FEB-2004 18:44:13	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	10058	No
27	GOM_NL__2PRFIN20040201_184822_000001012023_00485_10058_1257.N1	01-FEB-2004 18:48:22	Bright	101.00	83		2.3780	11000.	202	10058	No
28	GOM_NL__2PRFIN20040201_185132_000000402023_00485_10058_1258.N1	01-FEB-2004 18:51:32	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	10058	No
29	GOM_NL__2PRFIN20040201_185507_000000762023_00485_10058_1259.N1	01-FEB-2004 18:55:07	Twilight	75.500	102	24Alp Ser	2.6000	4250.0	151	10058	No
30	GOM_NL__2PRFIN20040201_185801_000000462023_00485_10058_1260.N1	01-FEB-2004 18:58:01	Twilight	45.500	86	35Eta Oph	2.4300	10200.	91	10058	No
31	GOM_NL__2PRFIN20040201_190042_000000432023_00485_10058_1261.N1	01-FEB-2004 19:00:42	Twilight	42.500	167	10Gam2Sgr	2.9840	4500.0	85	10058	No
32	GOM_NL__2PRFIN20040201_190220_000000532023_00485_10058_1262.N1	01-FEB-2004 19:02:20	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	10058	No
33	GOM_NL__2PRFIN20040201_190432_000000432023_00485_10058_1263.N1	01-FEB-2004 19:04:32	Dark	42.500	40	The Sco	1.8590	7100.0	85	10058	No
34	GOM_NL__2PRFIN20040201_190624_000000402023_00485_10058_1264.N1	01-FEB-2004 19:06:24	Dark	40.000	147	Alp Ara	2.8770	26000.	80	10058	No
35	GOM_NL__2PRFIN20040201_190808_000000472023_00485_10058_1265.N1	01-FEB-2004 19:08:08	Dark	47.000	131	Gam Lup	2.8000	26000.	94	10058	No
36	GOM_NL__2PRFIN20040201_191022_000000472023_00486_10059_1231.N1	01-FEB-2004 19:10:22	Dark	47.000	109	Bet Lup	2.6770	26000.	94	10059	No
37	GOM_NL__2PRFIN20040201_191318_000000392023_00486_10059_1232.N1	01-FEB-2004 19:13:18	Dark	38.500	145	Gam TrA	2.8720	10600.	77	10059	No
38	GOM_NL__2PRFIN20040201_191753_000000452023_00486_10059_1233.N1	01-FEB-2004 19:17:53	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	10059	No
39	GOM_NL__2PRFIN20040201_192124_000000392023_00486_10059_1234.N1	01-FEB-2004 19:21:24	Dark	39.000	29	Bet Car	1.6720	10200.	78	10059	No
40	GOM_NL__2PRFIN20040201_192345_000000422023_00486_10059_1235.N1	01-FEB-2004 19:23:45	Dark	42.000	71	lot Car	2.2460	7700.0	84	10059	No
41	GOM_NL__2PRFIN20040201_192530_000000452023_00486_10059_1236.N1	01-FEB-2004 19:25:30	Dark	45.000	46	Del Vel	1.9540	10600.	90	10059	No
42	GOM_NL__2PRFIN20040201_192801_000000422023_00486_10059_1237.N1	01-FEB-2004 19:28:01	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	10059	No

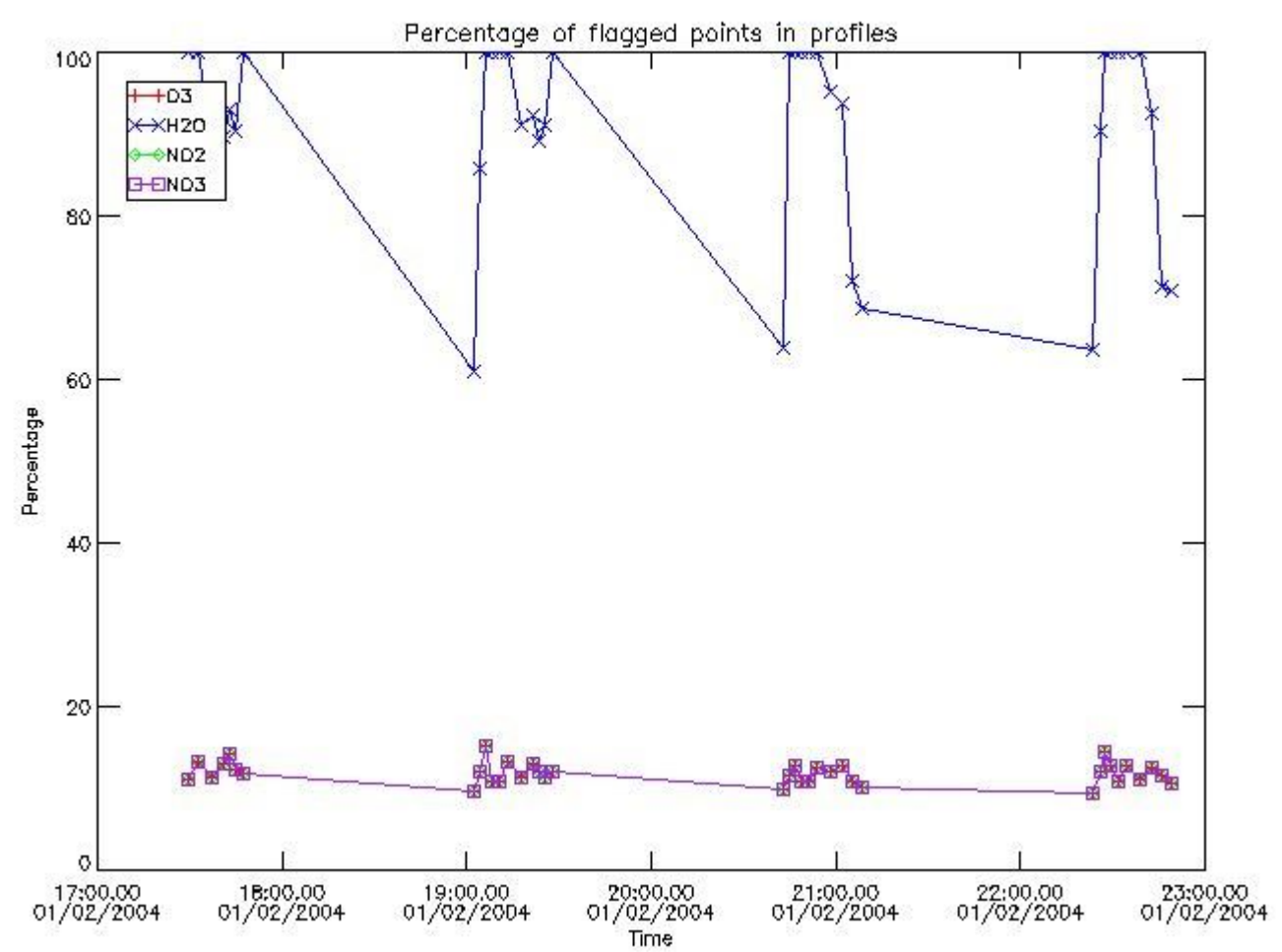
43	GOM_NL__2PRFIN20040201_193006_000000422023_00486_10059_1238.N1	01-FEB-2004 19:30:06	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	10059	No
44	GOM_NL__2PRFIN20040201_193128_000000432023_00486_10059_1239.N1	01-FEB-2004 19:31:28	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	10059	No
45	GOM_NL__2PRFIN20040201_193431_000000452023_00486_10059_1240.N1	01-FEB-2004 19:34:31	Straylight	45.000	37	25Del CMa	1.8300	5900.0	90	10059	No
46	GOM_NL__2PRFIN20040201_193727_000000482023_00486_10059_1241.N1	01-FEB-2004 19:37:27	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	10059	No
47	GOM_NL__2PRFIN20040201_193904_000000712023_00486_10059_1242.N1	01-FEB-2004 19:39:04	Straylight	71.000	48	30Alp Hya	1.9770	4100.0	142	10059	No
48	GOM_NL__2PRFIN20040201_194314_000000532023_00486_10059_1243.N1	01-FEB-2004 19:43:14	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	10059	No
49	GOM_NL__2PRFIN20040201_194641_000000402023_00486_10059_1244.N1	01-FEB-2004 19:46:41	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	10059	No
50	GOM_NL__2PRFIN20040201_194831_000000422023_00486_10059_1245.N1	01-FEB-2004 19:48:31	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	10059	No
51	GOM_NL__2PRFIN20040201_194953_000000432023_00486_10059_1246.N1	01-FEB-2004 19:49:53	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	10059	No
52	GOM_NL__2PRFIN20040201_195249_000000372023_00486_10059_1247.N1	01-FEB-2004 19:52:49	Bright	36.500	107	37The Aur	2.6490	11000.	73	10059	No
53	GOM_NL__2PRFIN20040201_195454_000000382023_00486_10059_1248.N1	01-FEB-2004 19:54:54	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	10059	No
54	GOM_NL__2PRFIN20040201_200413_000000492023_00486_10059_1249.N1	01-FEB-2004 20:04:13	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	10059	No
55	GOM_NL__2PRFIN20040201_200708_000000392023_00486_10059_1250.N1	01-FEB-2004 20:07:08	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	10059	No
56	GOM_NL__2PRFIN20040201_201013_000000432023_00486_10059_1251.N1	01-FEB-2004 20:10:13	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	10059	No
57	GOM_NL__2PRFIN20040201_201210_000000582023_00486_10059_1252.N1	01-FEB-2004 20:12:10	Bright	58.000	55	79Zet UMa	2.0600	10200.	116	10059	No
58	GOM_NL__2PRFIN20040201_201456_000000412023_00486_10059_1253.N1	01-FEB-2004 20:14:56	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	10059	No
59	GOM_NL__2PRFIN20040201_201807_000000412023_00486_10059_1254.N1	01-FEB-2004 20:18:07	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	10059	No
60	GOM_NL__2PRFIN20040201_202145_000000372023_00486_10059_1255.N1	01-FEB-2004 20:21:45	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	10059	No
61	GOM_NL__2PRFIN20040201_202449_000000452023_00486_10059_1256.N1	01-FEB-2004 20:24:49	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	10059	No
62	GOM_NL__2PRFIN20040201_202859_000001042023_00486_10059_1257.N1	01-FEB-2004 20:28:59	Bright	103.50	83		2.3780	11000.	207	10059	No
63	GOM_NL__2PRFIN20040201_203208_000000542023_00486_10059_1258.N1	01-FEB-2004 20:32:08	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	10059	No
64	GOM_NL__2PRFIN20040201_203544_000000722023_00486_10059_1259.N1	01-FEB-2004 20:35:44	Twilight	72.000	102	24Alp Ser	2.6000	4250.0	144	10059	No
65	GOM_NL__2PRFIN20040201_203837_000000462023_00486_10059_1260.N1	01-FEB-2004 20:38:37	Twilight	46.000	86	35Eta Oph	2.4300	10200.	92	10059	No
66	GOM_NL__2PRFIN20040201_204118_000000442023_00486_10059_1261.N1	01-FEB-2004 20:41:18	Twilight	44.000	167	10Gam2Sgr	2.9840	4500.0	88	10059	No
67	GOM_NL__2PRFIN20040201_204257_000000522023_00486_10059_1262.N1	01-FEB-2004 20:42:57	Dark	51.500	16	21Alp Sco	1.0200	3000.0	103	10059	No
68	GOM_NL__2PRFIN20040201_204508_000000442023_00486_10059_1263.N1	01-FEB-2004 20:45:08	Dark	44.000	40	The Sco	1.8590	7100.0	88	10059	No
69	GOM_NL__2PRFIN20040201_204700_000000402023_00486_10059_1264.N1	01-FEB-2004 20:47:00	Dark	40.000	147	Alp Ara	2.8770	26000.	80	10059	No
70	GOM_NL__2PRFIN20040201_204844_000000472023_00486_10059_1265.N1	01-FEB-2004 20:48:44	Dark	47.000	131	Gam Lup	2.8000	26000.	94	10059	No
71	GOM_NL__2PRFIN20040201_205058_000000482023_00487_10060_1251.N1	01-FEB-2004 20:50:58	Dark	47.500	109	Bet Lup	2.6770	26000.	95	10060	No
72	GOM_NL__2PRFIN20040201_205354_000000412023_00487_10060_1252.N1	01-FEB-2004 20:53:54	Dark	40.500	145	Gam TrA	2.8720	10600.	81	10060	No
73	GOM_NL__2PRFIN20040201_205830_000000432023_00487_10060_1253.N1	01-FEB-2004 20:58:30	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	10060	No
74	GOM_NL__2PRFIN20040201_210159_000000402023_00487_10060_1254.N1	01-FEB-2004 21:01:59	Dark	40.000	29	Bet Car	1.6720	10200.	80	10060	No
75	GOM_NL__2PRFIN20040201_210513_000000472023_00487_10060_1255.N1	01-FEB-2004 21:05:13	Dark	46.500	41	Eps Car	1.8600	4100.0	93	10060	No
76	GOM_NL__2PRFIN20040201_210838_000000502023_00487_10060_1256.N1	01-FEB-2004 21:08:38	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	10060	No
77	GOM_NL__2PRFIN20040201_211042_000000422023_00487_10060_1257.N1	01-FEB-2004 21:10:42	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	10060	No
78	GOM_NL__2PRFIN20040201_211204_000000422023_00487_10060_1258.N1	01-FEB-2004 21:12:04	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	10060	No
79	GOM_NL__2PRFIN20040201_211507_000000462023_00487_10060_1259.N1	01-FEB-2004 21:15:07	Straylight	46.000	37	25Del CMa	1.8300	5900.0	92	10060	No
80	GOM_NL__2PRFIN20040201_211803_000000522023_00487_10060_1260.N1	01-FEB-2004 21:18:03	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	10060	No
81	GOM_NL__2PRFIN20040201_211941_000000622023_00487_10060_1261.N1	01-FEB-2004 21:19:41	Straylight	62.000	48	30Alp Hya	1.9770	4100.0	124	10060	No
82	GOM_NL__2PRFIN20040201_212350_000000532023_00487_10060_1262.N1	01-FEB-2004 21:23:50	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	10060	No
83	GOM_NL__2PRFIN20040201_212717_000000402023_00487_10060_1263.N1	01-FEB-2004 21:27:17	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	10060	No
84	GOM_NL__2PRFIN20040201_212907_000000402023_00487_10060_1264.N1	01-FEB-2004 21:29:07	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	10060	No
85	GOM_NL__2PRFIN20040201_213029_000000442023_00487_10060_1265.N1	01-FEB-2004 21:30:29	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	10060	No
86	GOM_NL__2PRFIN20040201_213325_000000392023_00487_10060_1266.N1	01-FEB-2004 21:33:25	Bright	38.500	107	37The Aur	2.6490	11000.	77	10060	No
87	GOM_NL__2PRFIN20040201_213530_000000372023_00487_10060_1267.N1	01-FEB-2004 21:35:30	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	10060	No
88	GOM_NL__2PRFIN20040201_214448_000000492023_00487_10060_1268.N1	01-FEB-2004 21:44:48	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	10060	No
89	GOM_NL__2PRFIN20040201_214744_000000382023_00487_10060_1269.N1	01-FEB-2004 21:47:44	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	10060	No
90	GOM_NL__2PRFIN20040201_215048_000000422023_00487_10060_1270.N1	01-FEB-2004 21:50:48	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	10060	No
91	GOM_NL__2PRFIN20040201_215245_000000572023_00487_10060_1271.N1	01-FEB-2004 21:52:45	Bright	57.000	55	79Zet UMa	2.0600	10200.	114	10060	No
92	GOM_NL__2PRFIN20040201_215532_000000422023_00487_10060_1272.N1	01-FEB-2004 21:55:32	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	10060	No
93	GOM_NL__2PRFIN20040201_215842_000000412023_00487_10060_1273.N1	01-FEB-2004 21:58:42	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	10060	No
94	GOM_NL__2PRFIN20040201_220221_000000372023_00487_10060_1274.N1	01-FEB-2004 22:02:21	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	10060	No
95	GOM_NL__2PRFIN20040201_220525_000000462023_00487_10060_1275.N1	01-FEB-2004 22:05:25	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	10060	No
96	GOM_NL__2PRFIN20040201_220935_000001022023_00487_10060_1276.N1	01-FEB-2004 22:09:35	Bright	101.50	83		2.3780	11000.	203	10060	No
97	GOM_NL__2PRFIN20040201_221244_000000392023_00487_10060_1277.N1	01-FEB-2004 22:12:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	10060	No
98	GOM_NL__2PRFIN20040201_221621_000000692023_00487_10060_1278.N1	01-FEB-2004 22:16:21	Twilight	69.000	102	24Alp Ser	2.6000	4250.0	138	10060	No
99	GOM_NL__2PRFIN20040201_221914_000000482023_00487_10060_1279.N1	01-FEB-2004 22:19:14	Twilight	48.000	86	35Eta Oph	2.4300	10200.	96	10060	No
100	GOM_NL__2PRFIN20040201_222154_000000432023_00487_10060_1280.N1	01-FEB-2004 22:21:54	Twilight	42.500	167	10Gam2Sgr	2.9840	4500.0	85	10060	No
101	GOM_NL__2PRFIN20040201_222333_000000542023_00487_10060_1281.N1	01-FEB-2004 22:23:33	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	10060	No

102	GOM_NL__2PRFIN20040201_222544_000000422023_00487_10060_1282.N1	01-FEB-2004 22:25:44	Dark	42.000	40	The Sco	1.8590	7100.0	84	10060	No
103	GOM_NL__2PRFIN20040201_222736_000000392023_00487_10060_1283.N1	01-FEB-2004 22:27:36	Dark	39.000	147	Alp Ara	2.8770	26000.	78	10060	No
104	GOM_NL__2PRFIN20040201_222921_000000442023_00487_10060_1284.N1	01-FEB-2004 22:29:21	Dark	44.000	131	Gam Lup	2.8000	26000.	88	10060	No
105	GOM_NL__2PRFIN20040201_223135_000000472023_00488_10061_1251.N1	01-FEB-2004 22:31:35	Dark	47.000	109	Bet Lup	2.6770	26000.	94	10061	No
106	GOM_NL__2PRFIN20040201_223430_000000402023_00488_10061_1252.N1	01-FEB-2004 22:34:30	Dark	40.000	145	Gam TrA	2.8720	10600.	80	10061	No
107	GOM_NL__2PRFIN20040201_223906_000000462023_00488_10061_1253.N1	01-FEB-2004 22:39:06	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	10061	No
108	GOM_NL__2PRFIN20040201_224235_000000412023_00488_10061_1254.N1	01-FEB-2004 22:42:35	Dark	41.000	29	Bet Car	1.6720	10200.	82	10061	No
109	GOM_NL__2PRFIN20040201_224549_000000442023_00488_10061_1255.N1	01-FEB-2004 22:45:49	Dark	44.000	41	Eps Car	1.8600	4100.0	88	10061	No
110	GOM_NL__2PRFIN20040201_224912_000000492023_00488_10061_1256.N1	01-FEB-2004 22:49:12	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	10061	No
111	GOM_NL__2PRFIN20040201_225119_000000412023_00488_10061_1257.N1	01-FEB-2004 22:51:19	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	10061	No
112	GOM_NL__2PRFIN20040201_225241_000000452023_00488_10061_1258.N1	01-FEB-2004 22:52:41	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	10061	No
113	GOM_NL__2PRFIN20040201_225542_000000472023_00488_10061_1259.N1	01-FEB-2004 22:55:42	Straylight	46.500	37	25Del CMa	1.8300	5900.0	93	10061	No
114	GOM_NL__2PRFIN20040201_225840_000000502023_00488_10061_1260.N1	01-FEB-2004 22:58:40	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	10061	No
115	GOM_NL__2PRFIN20040201_230016_000000632023_00488_10061_1261.N1	01-FEB-2004 23:00:16	Straylight	62.500	48	30Alp Hya	1.9770	4100.0	125	10061	No
116	GOM_NL__2PRFIN20040201_230426_000000532023_00488_10061_1262.N1	01-FEB-2004 23:04:26	Twilight_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	10061	No
117	GOM_NL__2PRFIN20040201_230752_000000402023_00488_10061_1263.N1	01-FEB-2004 23:07:52	Bright	39.500	44	24Gam Gem	1.9280	11000.	79	10061	No
118	GOM_NL__2PRFIN20040201_230943_000000422023_00488_10061_1264.N1	01-FEB-2004 23:09:43	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	10061	No
119	GOM_NL__2PRFIN20040201_231103_000000462023_00488_10061_1265.N1	01-FEB-2004 23:11:03	Bright	45.500	17	78Bet Gem	1.1610	4500.0	91	10061	No
120	GOM_NL__2PRFIN20040201_231401_000000392023_00488_10061_1266.N1	01-FEB-2004 23:14:01	Bright	38.500	107	37The Aur	2.6490	11000.	77	10061	No
121	GOM_NL__2PRFIN20040201_231605_000000392023_00488_10061_1267.N1	01-FEB-2004 23:16:05	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	10061	No
122	GOM_NL__2PRFIN20040201_232523_000000482023_00488_10061_1268.N1	01-FEB-2004 23:25:23	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	10061	No
123	GOM_NL__2PRFIN20040201_232819_000000382023_00488_10061_1269.N1	01-FEB-2004 23:28:19	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	10061	No
124	GOM_NL__2PRFIN20040201_233124_000000422023_00488_10061_1270.N1	01-FEB-2004 23:31:24	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	10061	No
125	GOM_NL__2PRFIN20040201_233320_000000552023_00488_10061_1271.N1	01-FEB-2004 23:33:20	Bright	55.000	55	79Zet UMa	2.0600	10200.	110	10061	No
126	GOM_NL__2PRFIN20040201_233607_000000422023_00488_10061_1272.N1	01-FEB-2004 23:36:07	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	10061	No
127	GOM_NL__2PRFIN20040201_233919_000000412023_00488_10061_1273.N1	01-FEB-2004 23:39:19	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	10061	No
128	GOM_NL__2PRFIN20040201_234257_000000392023_00488_10061_1274.N1	01-FEB-2004 23:42:57	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	10061	No
129	GOM_NL__2PRFIN20040201_234601_000000462023_00488_10061_1275.N1	01-FEB-2004 23:46:01	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	10061	No
130	GOM_NL__2PRFIN20040201_235013_000001042023_00488_10061_1276.N1	01-FEB-2004 23:50:13	Twilight_stray	103.50	83		2.3780	11000.	207	10061	No
131	GOM_NL__2PRFIN20040201_235320_000000542023_00488_10061_1277.N1	01-FEB-2004 23:53:20	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	10061	No
132	GOM_NL__2PRFIN20040201_235658_000000662023_00488_10061_1278.N1	01-FEB-2004 23:56:58	Twilight_stray	66.000	102	24Alp Ser	2.6000	4250.0	132	10061	No
133	GOM_NL__2PRFIN20040201_235950_000000432023_00488_10061_1279.N1	01-FEB-2004 23:59:50	Twilight_stray	43.000	86	35Eta Oph	2.4300	10200.	86	10061	No

### 3. Quality information per product

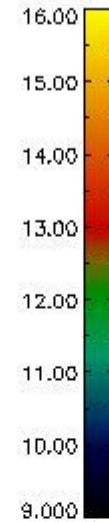
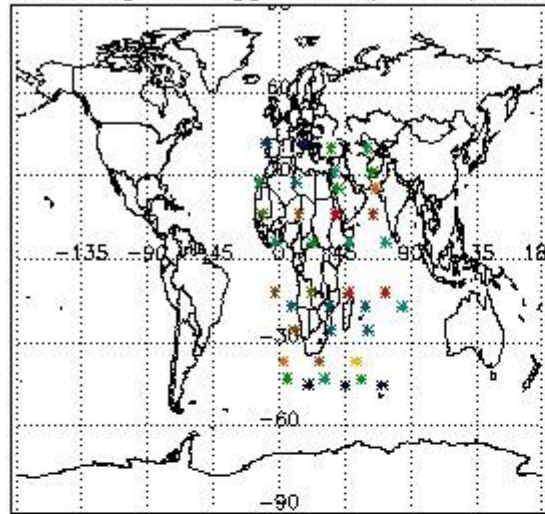
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

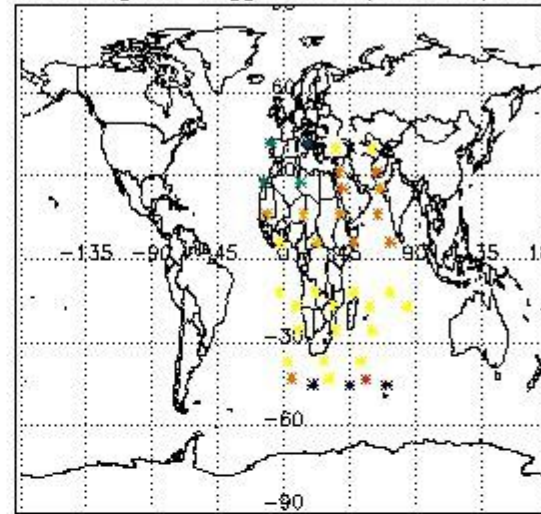


3.2 Plot quality information per product (world map)

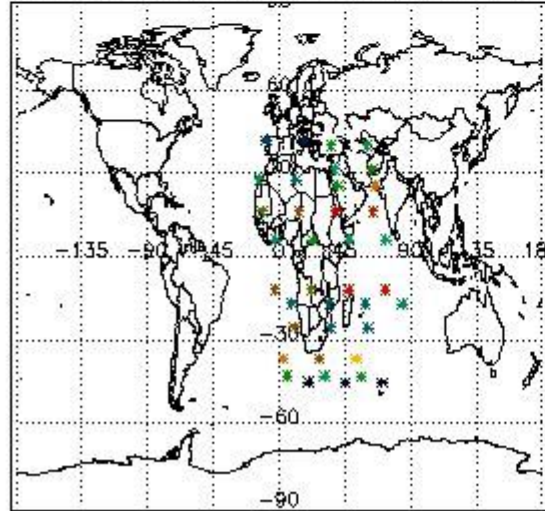
Percentage of flagged data per O3 profile



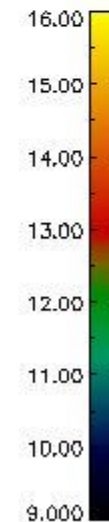
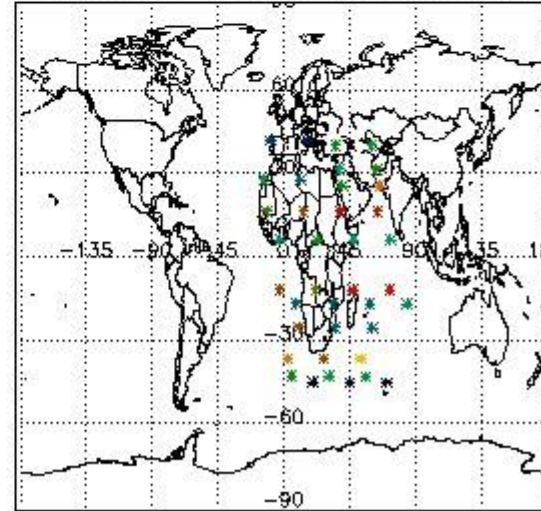
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

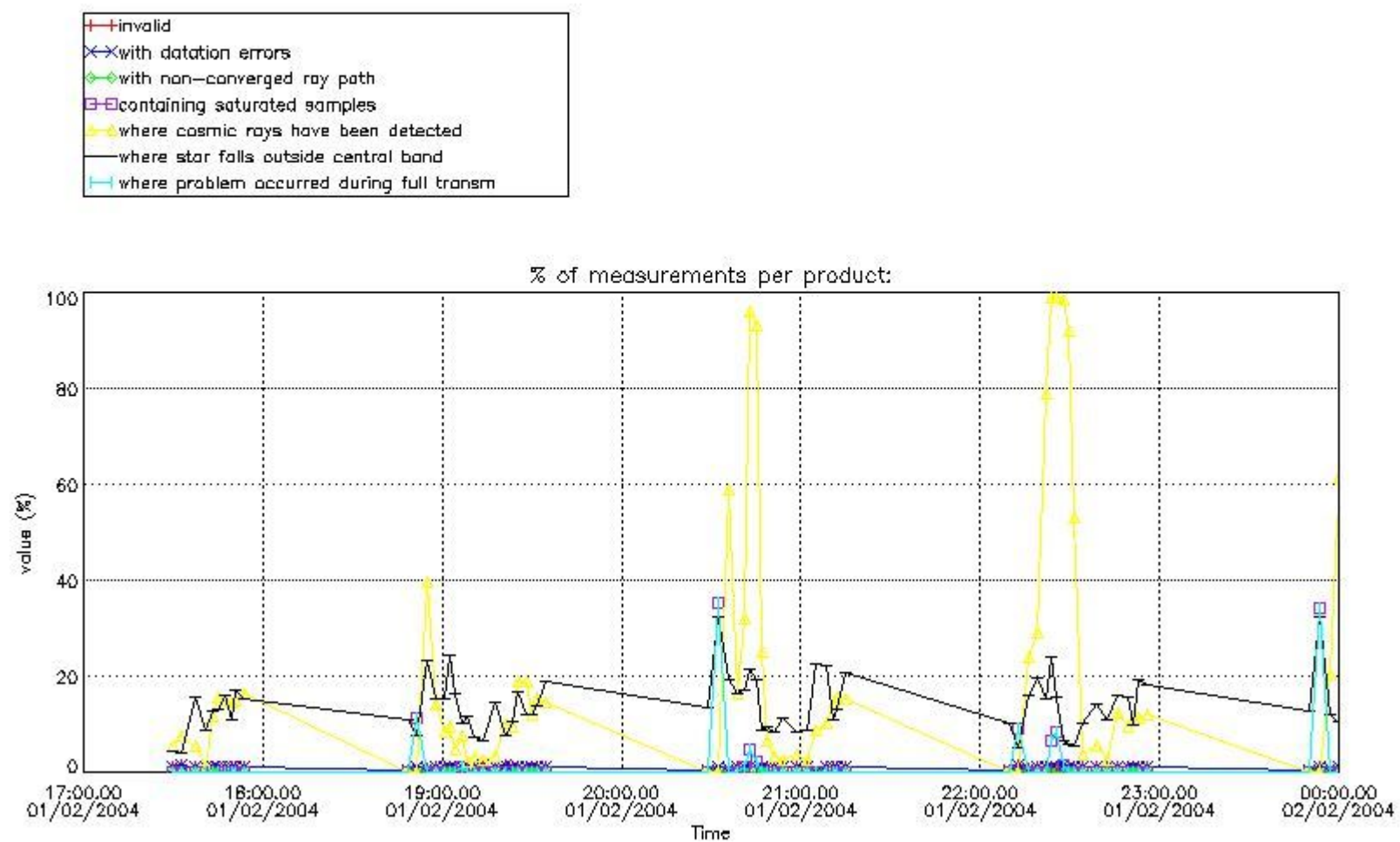


#### 4. Level 1 quality information per product

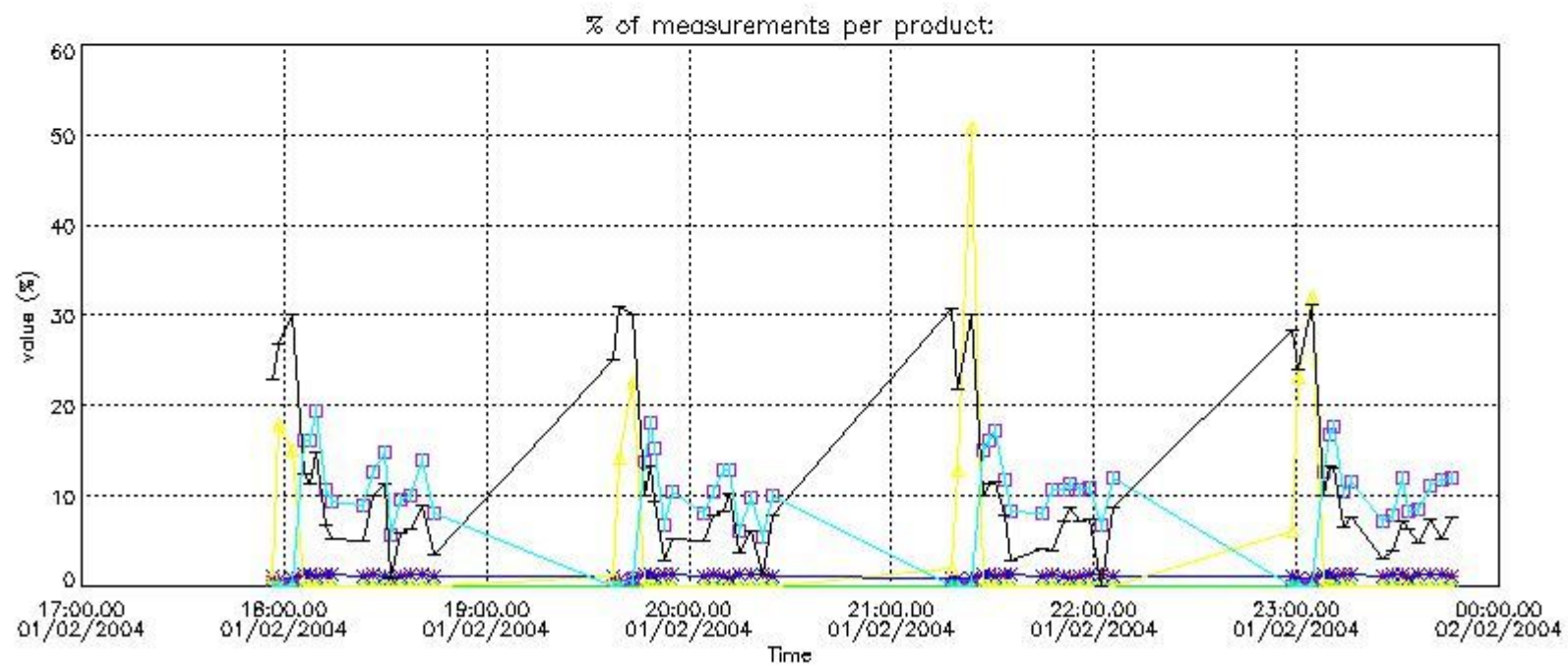
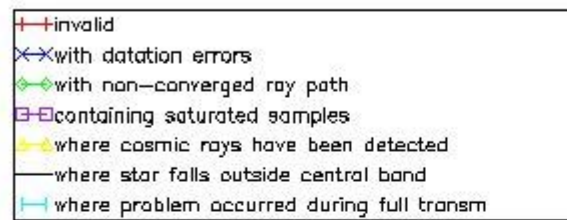
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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): ENVISAT DESCENDING passes

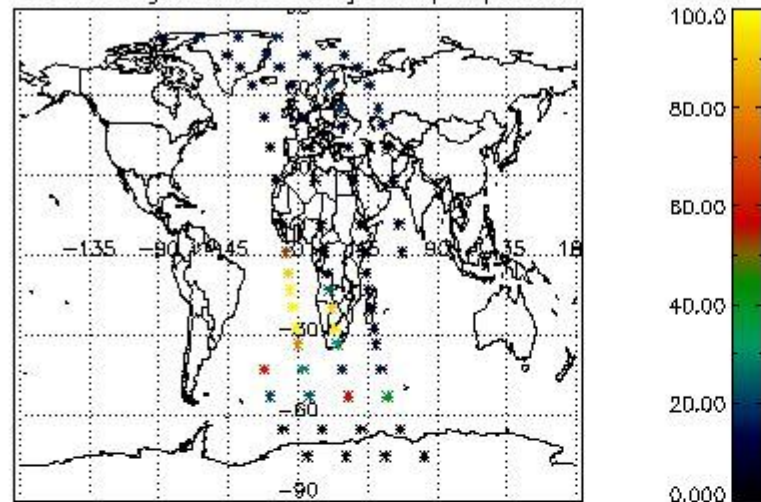


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

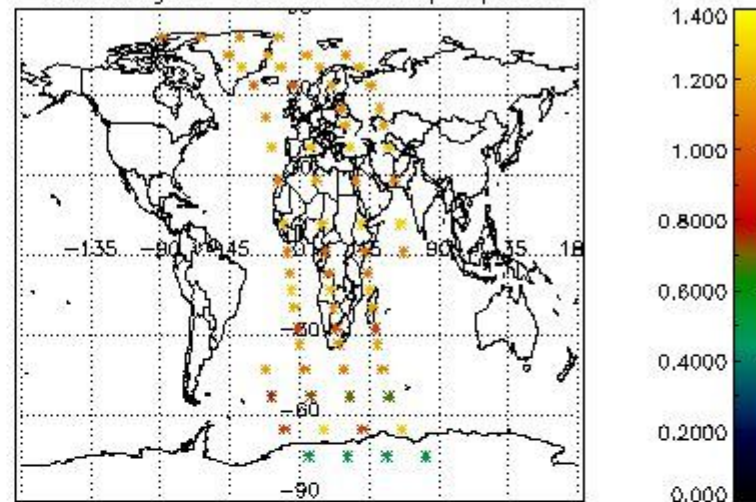
##### 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



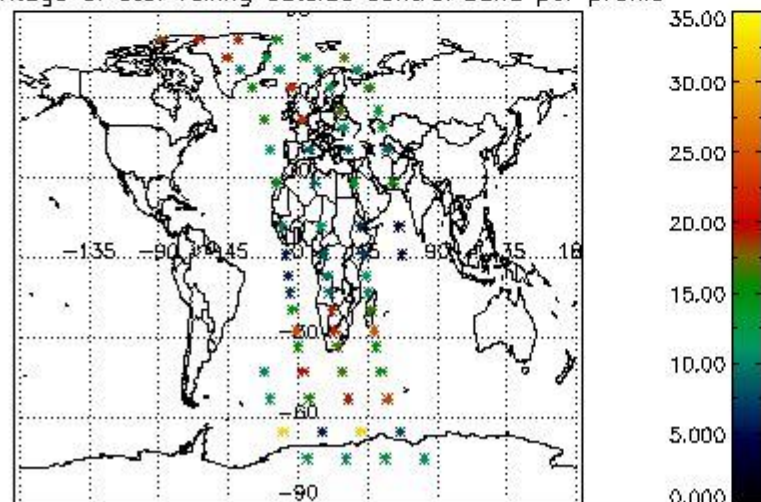
Percentage of cosmic ray hits per profile



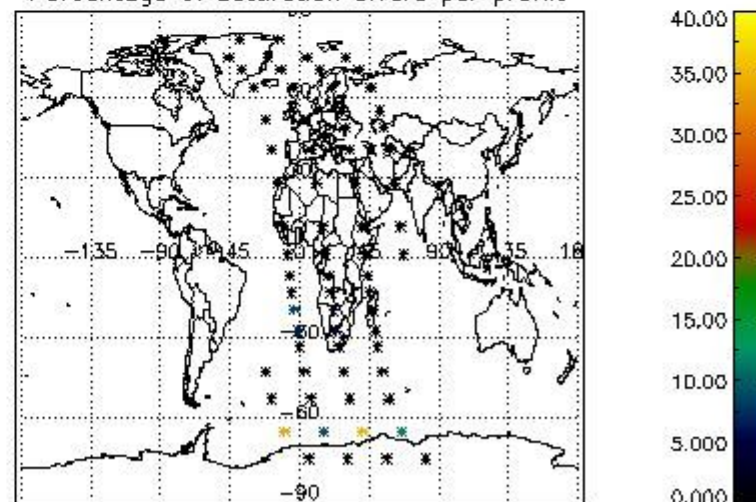
Percentage of datation errors per profile



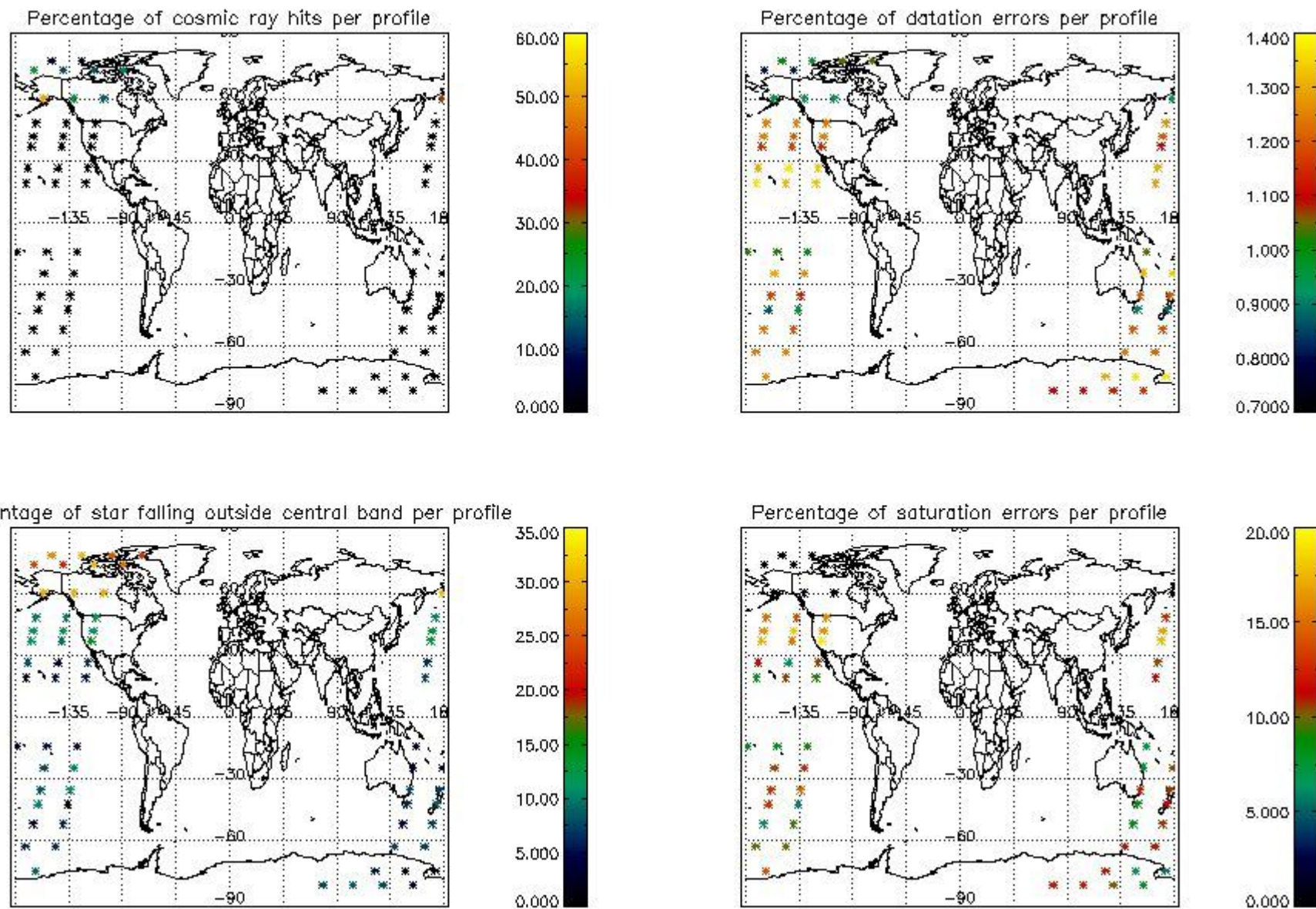
Percentage of star falling outside central band per profile



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

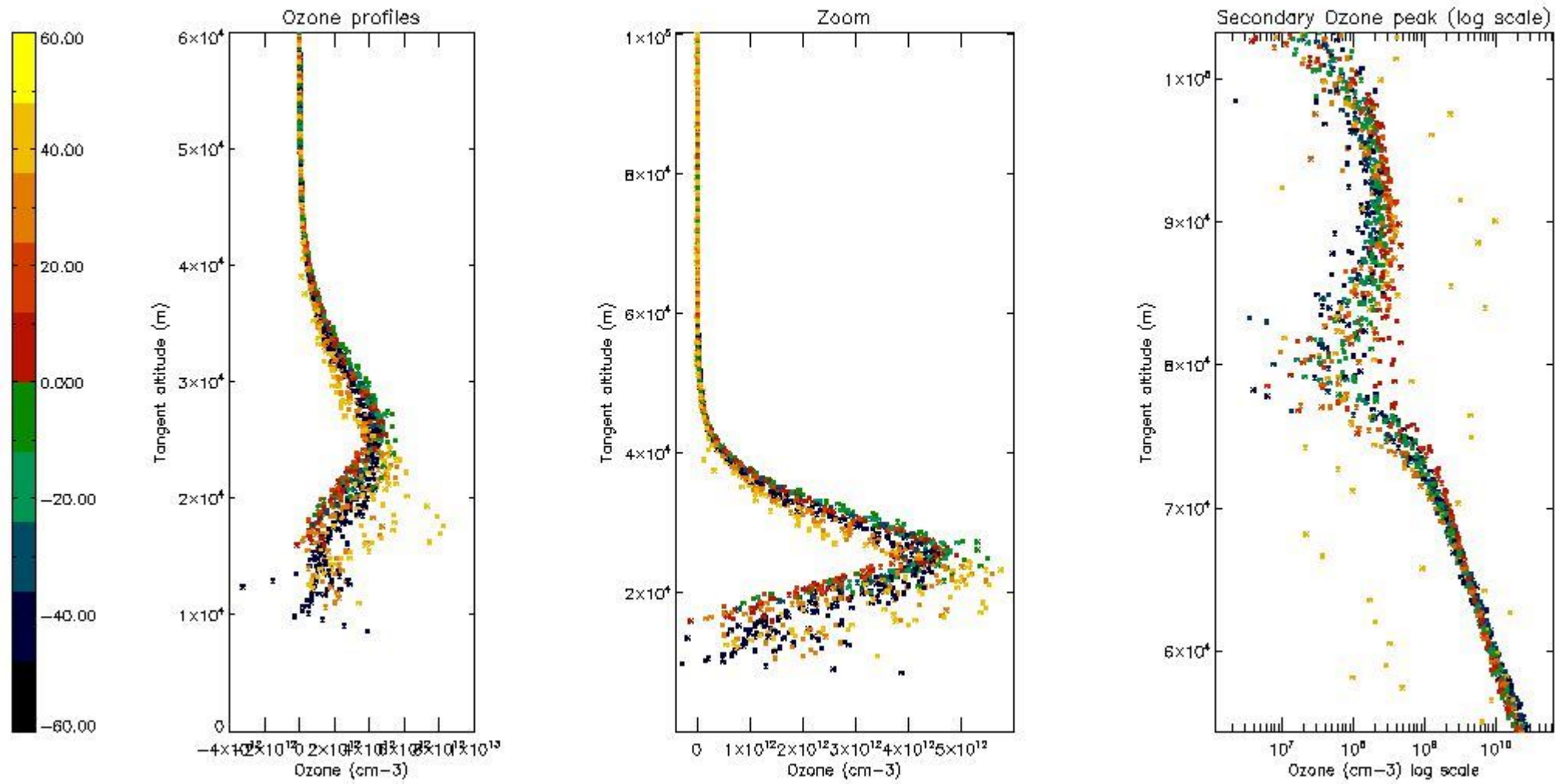
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	16

STD < 10	14
STD < 5	9

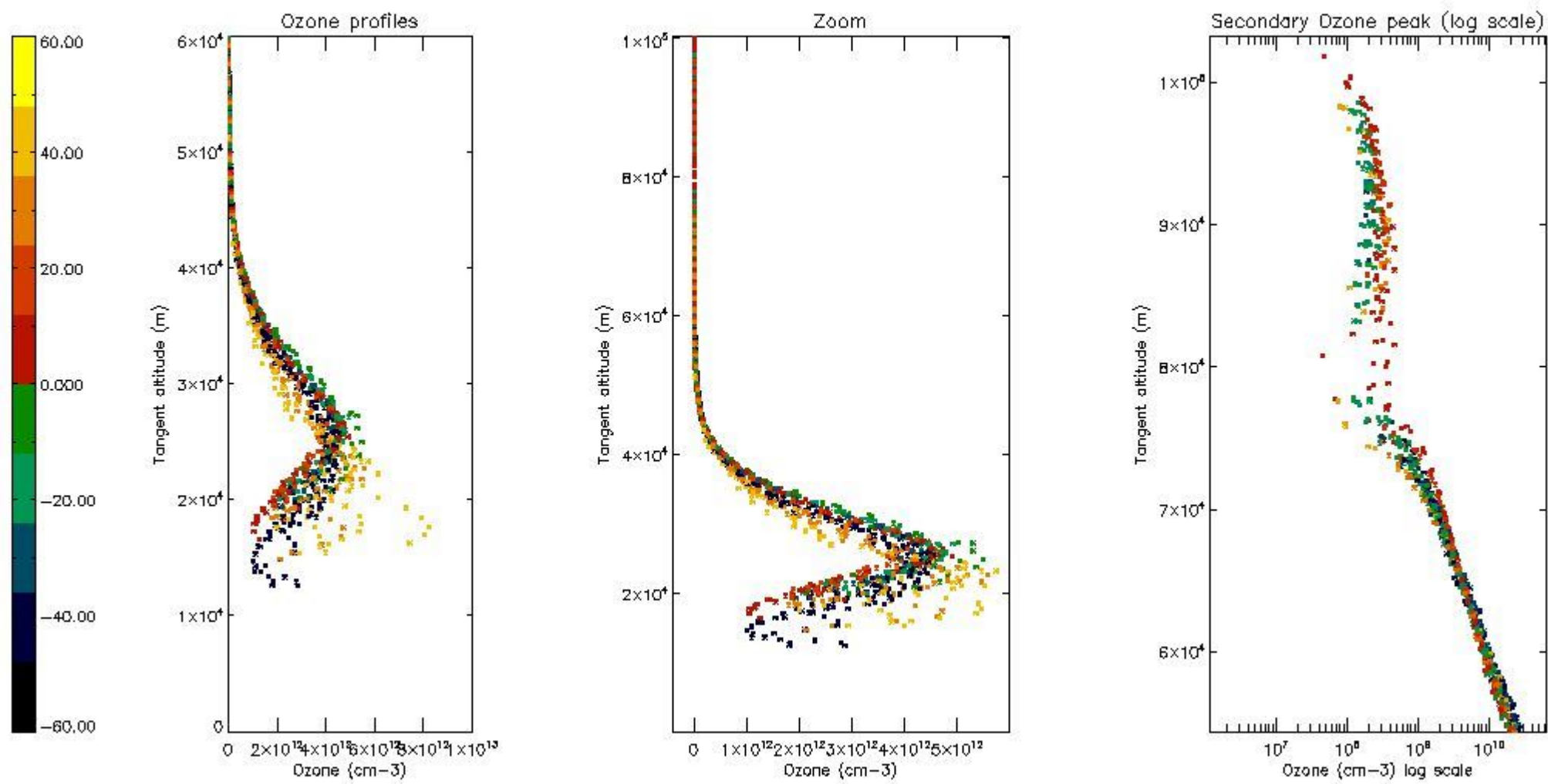
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



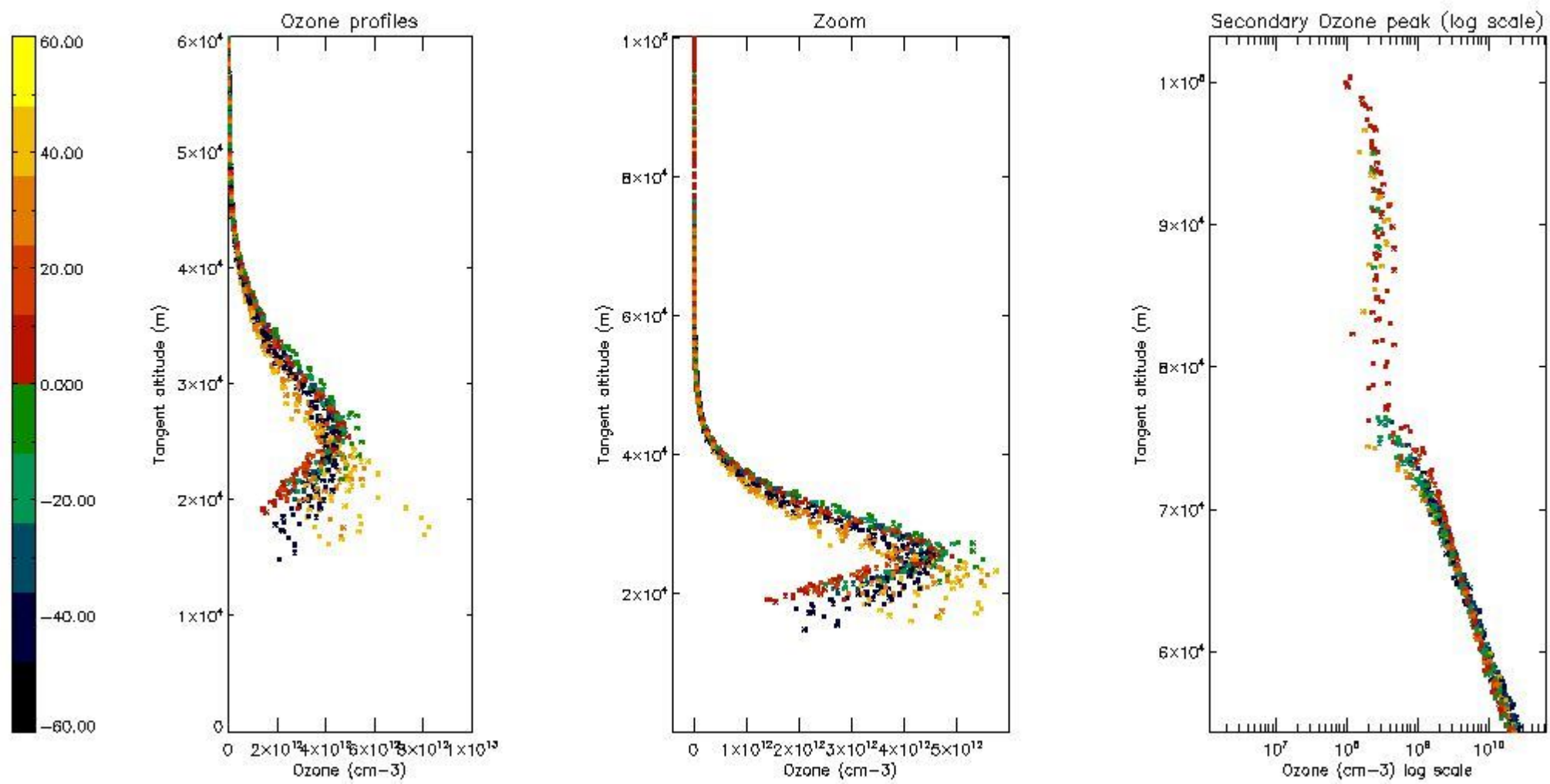
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



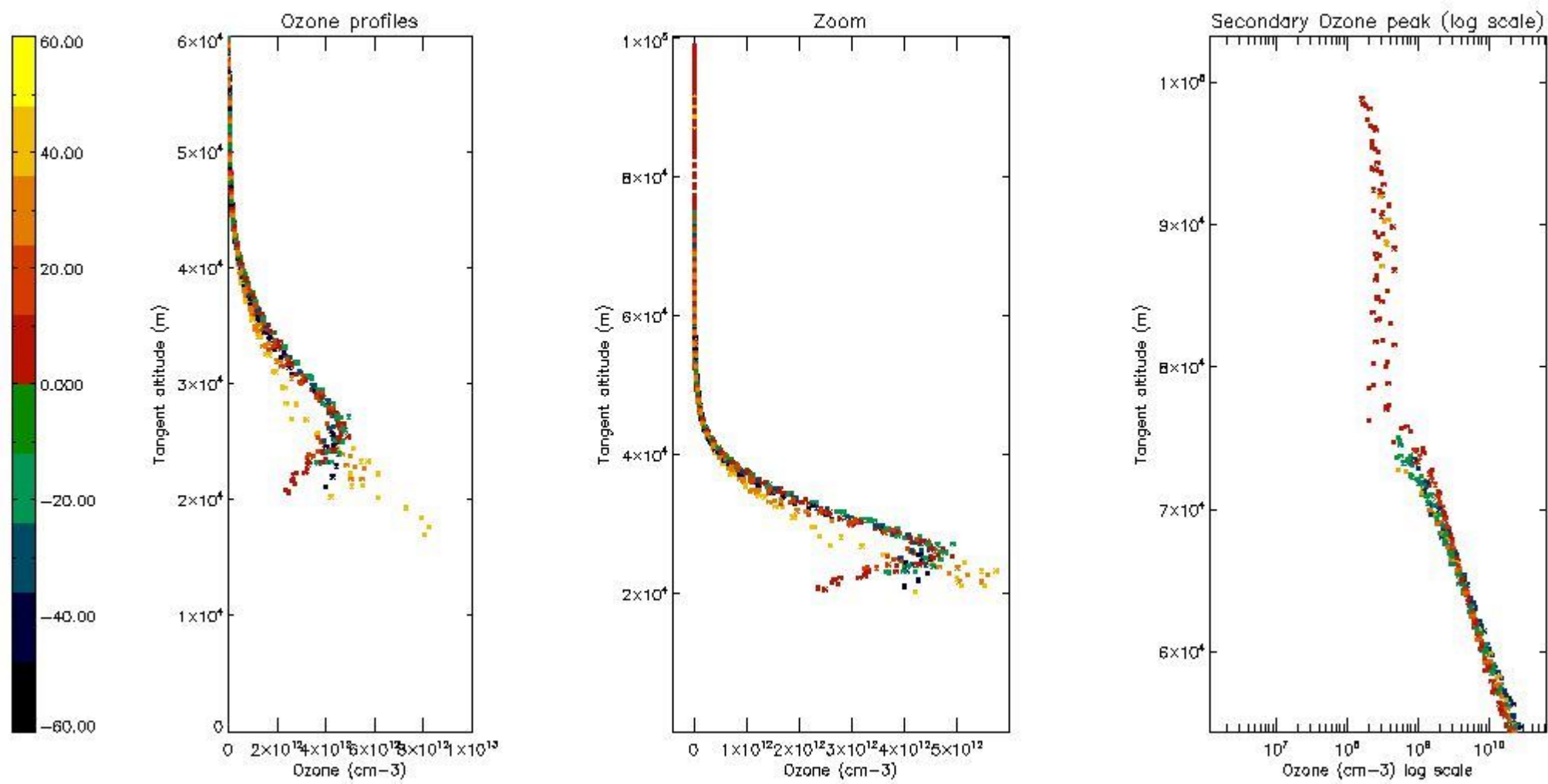
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



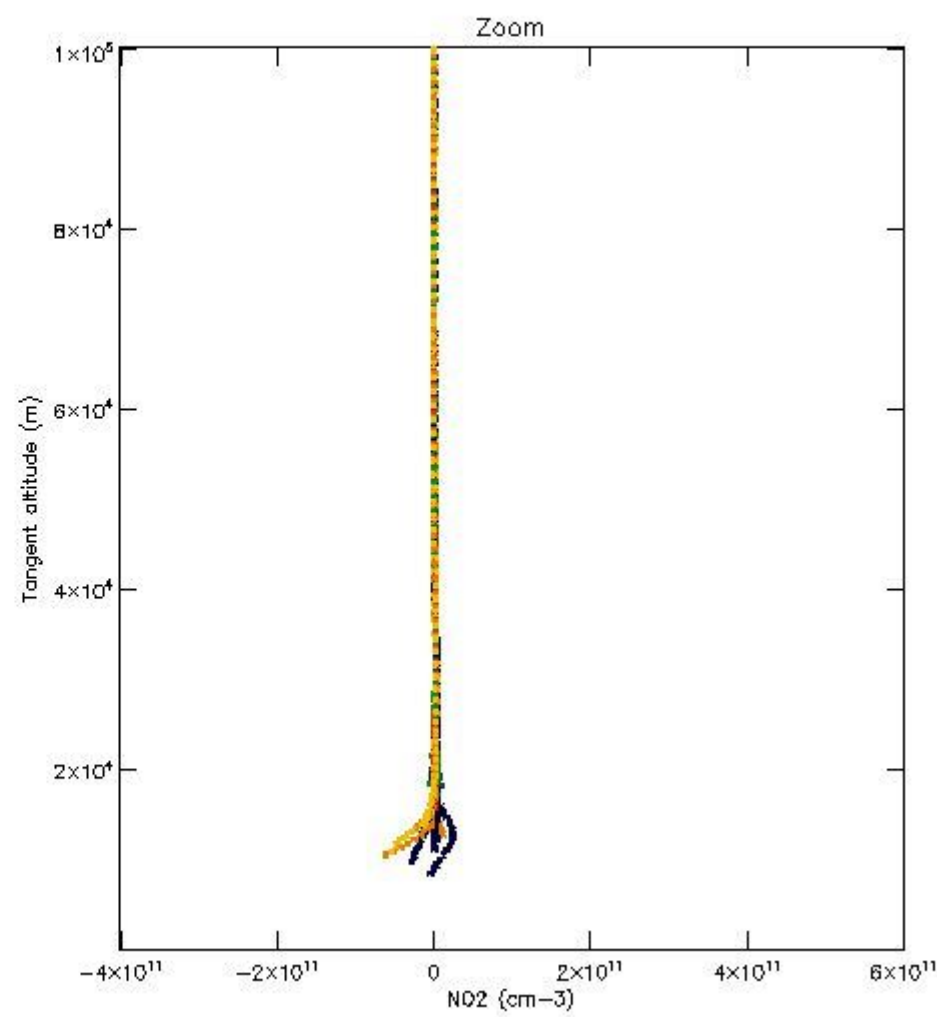
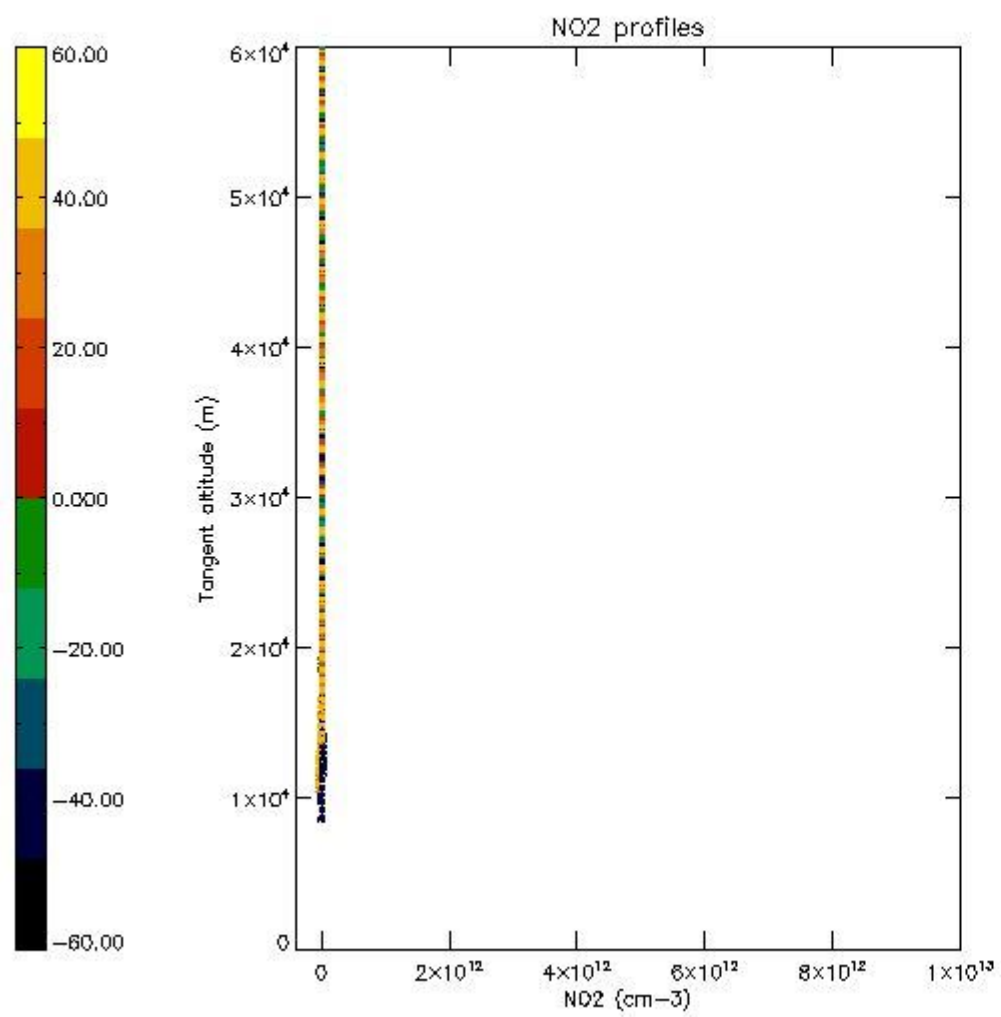
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



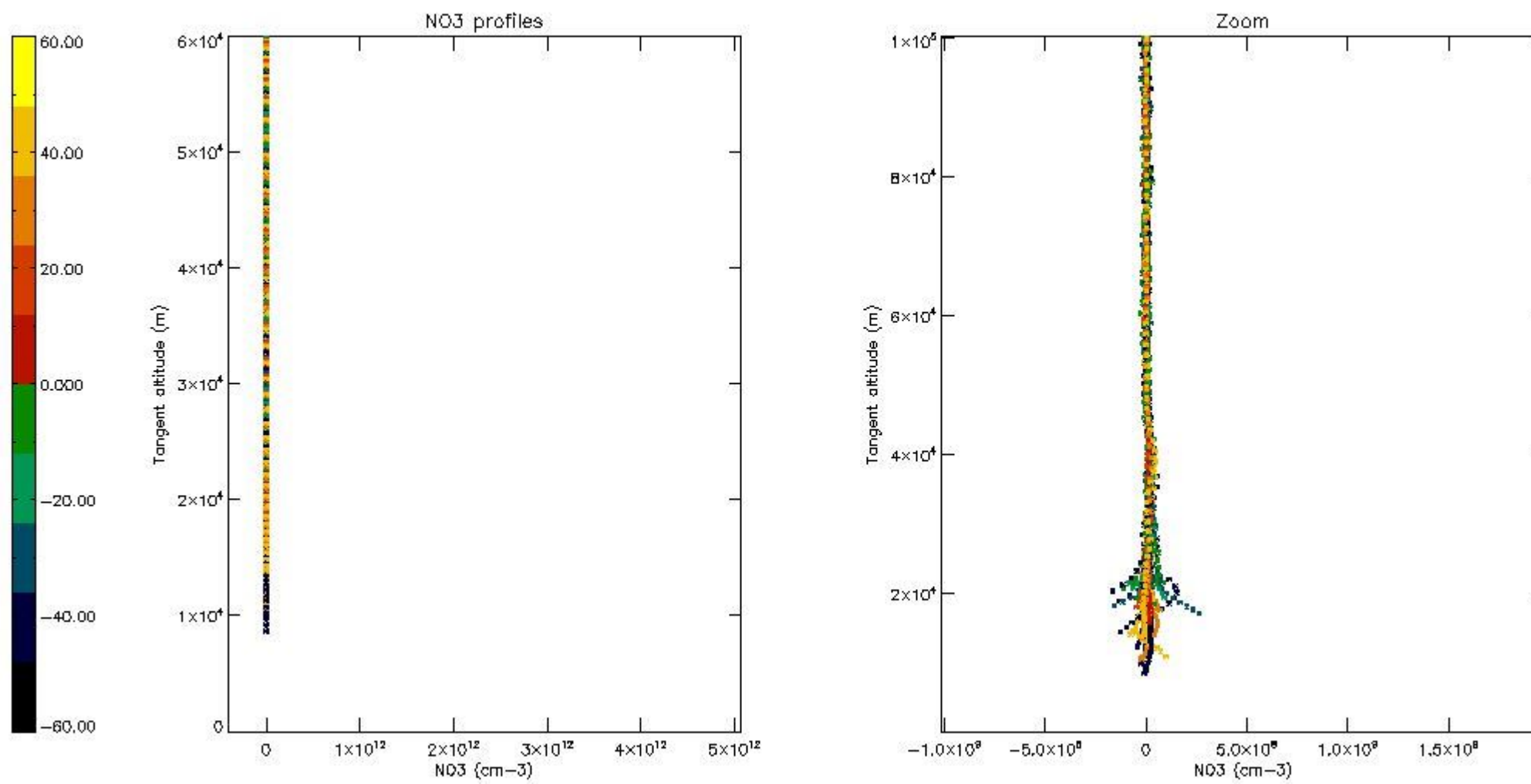
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-FEB-2004 17:29:45
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-FEB-2004 17:29:45
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-FEB-2004 17:29:45



# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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

#### [3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	18APR2013 18:22:45
Data source version	GOMOS/6.01
Start time of products	01-02-2004 (01FEB2004 00:00:00)
Stop time of products	02-02-2004 (02FEB2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	133
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__2PRFIN20040201_172945_000000462023_00485_10058_1231.N1	01-FEB-2004 17:29:45	Dark	45.500	109	Bet Lup	2.6770	26000.	91	10058	No
2	GOM_NL__2PRFIN20040201_173241_000000392023_00485_10058_1232.N1	01-FEB-2004 17:32:41	Dark	38.500	145	Gam TrA	2.8720	10600.	77	10058	No
3	GOM_NL__2PRFIN20040201_173717_000000452023_00485_10058_1233.N1	01-FEB-2004 17:37:17	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	10058	No
4	GOM_NL__2PRFIN20040201_174048_000000402023_00485_10058_1234.N1	01-FEB-2004 17:40:48	Dark	39.500	29	Bet Car	1.6720	10200.	79	10058	No
5	GOM_NL__2PRFIN20040201_174309_000000432023_00485_10058_1235.N1	01-FEB-2004 17:43:09	Dark	43.000	71	lot Car	2.2460	7700.0	86	10058	No
6	GOM_NL__2PRFIN20040201_174454_000000422023_00485_10058_1236.N1	01-FEB-2004 17:44:54	Dark	41.500	46	Del Vel	1.9540	10600.	83	10058	No
7	GOM_NL__2PRFIN20040201_174725_000000442023_00485_10058_1237.N1	01-FEB-2004 17:47:25	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	10058	No
8	GOM_NL__2PRFIN20040201_174930_000000422023_00485_10058_1238.N1	01-FEB-2004 17:49:30	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	10058	No
9	GOM_NL__2PRFIN20040201_175052_000000442023_00485_10058_1239.N1	01-FEB-2004 17:50:52	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	10058	No
10	GOM_NL__2PRFIN20040201_175356_000000432023_00485_10058_1240.N1	01-FEB-2004 17:53:56	Straylight	43.000	37	25Del CMa	1.8300	5900.0	86	10058	No
11	GOM_NL__2PRFIN20040201_175650_000000482023_00485_10058_1241.N1	01-FEB-2004 17:56:50	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	10058	No
12	GOM_NL__2PRFIN20040201_175828_000000672023_00485_10058_1242.N1	01-FEB-2004 17:58:28	Straylight	67.000	48	30Alp Hya	1.9770	4100.0	134	10058	No
13	GOM_NL__2PRFIN20040201_180238_000000532023_00485_10058_1243.N1	01-FEB-2004 18:02:38	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	10058	No
14	GOM_NL__2PRFIN20040201_180605_000000412023_00485_10058_1244.N1	01-FEB-2004 18:06:05	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	10058	No
15	GOM_NL__2PRFIN20040201_180755_000000402023_00485_10058_1245.N1	01-FEB-2004 18:07:55	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	10058	No
16	GOM_NL__2PRFIN20040201_180918_000000442023_00485_10058_1246.N1	01-FEB-2004 18:09:18	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	10058	No
17	GOM_NL__2PRFIN20040201_181213_000000382023_00485_10058_1247.N1	01-FEB-2004 18:12:13	Bright	37.500	107	37The Aur	2.6490	11000.	75	10058	No
18	GOM_NL__2PRFIN20040201_181418_000000382023_00485_10058_1248.N1	01-FEB-2004 18:14:18	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	10058	No
19	GOM_NL__2PRFIN20040201_182338_000000502023_00485_10058_1249.N1	01-FEB-2004 18:23:38	Bright	50.000	82	48Bet UMa	2.3650	10600.	100	10058	No
20	GOM_NL__2PRFIN20040201_182633_000000402023_00485_10058_1250.N1	01-FEB-2004 18:26:33	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	10058	No
21	GOM_NL__2PRFIN20040201_182937_000000442023_00485_10058_1251.N1	01-FEB-2004 18:29:37	Bright	44.000	60	7Bet UMi	2.0810	3950.0	88	10058	No
22	GOM_NL__2PRFIN20040201_183134_000000532023_00485_10058_1252.N1	01-FEB-2004 18:31:34	Bright	52.500	55	79Zet UMa	2.0600	10200.	105	10058	No
23	GOM_NL__2PRFIN20040201_183420_000000422023_00485_10058_1253.N1	01-FEB-2004 18:34:20	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	10058	No
24	GOM_NL__2PRFIN20040201_183731_000000402023_00485_10058_1254.N1	01-FEB-2004 18:37:31	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	10058	No
25	GOM_NL__2PRFIN20040201_184110_000000402023_00485_10058_1255.N1	01-FEB-2004 18:41:10	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	10058	No
26	GOM_NL__2PRFIN20040201_184413_000000442023_00485_10058_1256.N1	01-FEB-2004 18:44:13	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	10058	No
27	GOM_NL__2PRFIN20040201_184822_000001012023_00485_10058_1257.N1	01-FEB-2004 18:48:22	Bright	101.00	83		2.3780	11000.	202	10058	No
28	GOM_NL__2PRFIN20040201_185132_000000402023_00485_10058_1258.N1	01-FEB-2004 18:51:32	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	10058	No
29	GOM_NL__2PRFIN20040201_185507_000000762023_00485_10058_1259.N1	01-FEB-2004 18:55:07	Twilight	75.500	102	24Alp Ser	2.6000	4250.0	151	10058	No
30	GOM_NL__2PRFIN20040201_185801_000000462023_00485_10058_1260.N1	01-FEB-2004 18:58:01	Twilight	45.500	86	35Eta Oph	2.4300	10200.	91	10058	No
31	GOM_NL__2PRFIN20040201_190042_000000432023_00485_10058_1261.N1	01-FEB-2004 19:00:42	Twilight	42.500	167	10Gam2Sgr	2.9840	4500.0	85	10058	No
32	GOM_NL__2PRFIN20040201_190220_000000532023_00485_10058_1262.N1	01-FEB-2004 19:02:20	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	10058	No
33	GOM_NL__2PRFIN20040201_190432_000000432023_00485_10058_1263.N1	01-FEB-2004 19:04:32	Dark	42.500	40	The Sco	1.8590	7100.0	85	10058	No
34	GOM_NL__2PRFIN20040201_190624_000000402023_00485_10058_1264.N1	01-FEB-2004 19:06:24	Dark	40.000	147	Alp Ara	2.8770	26000.	80	10058	No
35	GOM_NL__2PRFIN20040201_190808_000000472023_00485_10058_1265.N1	01-FEB-2004 19:08:08	Dark	47.000	131	Gam Lup	2.8000	26000.	94	10058	No
36	GOM_NL__2PRFIN20040201_191022_000000472023_00486_10059_1231.N1	01-FEB-2004 19:10:22	Dark	47.000	109	Bet Lup	2.6770	26000.	94	10059	No
37	GOM_NL__2PRFIN20040201_191318_000000392023_00486_10059_1232.N1	01-FEB-2004 19:13:18	Dark	38.500	145	Gam TrA	2.8720	10600.	77	10059	No
38	GOM_NL__2PRFIN20040201_191753_000000452023_00486_10059_1233.N1	01-FEB-2004 19:17:53	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	10059	No
39	GOM_NL__2PRFIN20040201_192124_000000392023_00486_10059_1234.N1	01-FEB-2004 19:21:24	Dark	39.000	29	Bet Car	1.6720	10200.	78	10059	No
40	GOM_NL__2PRFIN20040201_192345_000000422023_00486_10059_1235.N1	01-FEB-2004 19:23:45	Dark	42.000	71	lot Car	2.2460	7700.0	84	10059	No
41	GOM_NL__2PRFIN20040201_192530_000000452023_00486_10059_1236.N1	01-FEB-2004 19:25:30	Dark	45.000	46	Del Vel	1.9540	10600.	90	10059	No
42	GOM_NL__2PRFIN20040201_192801_000000422023_00486_10059_1237.N1	01-FEB-2004 19:28:01	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	10059	No

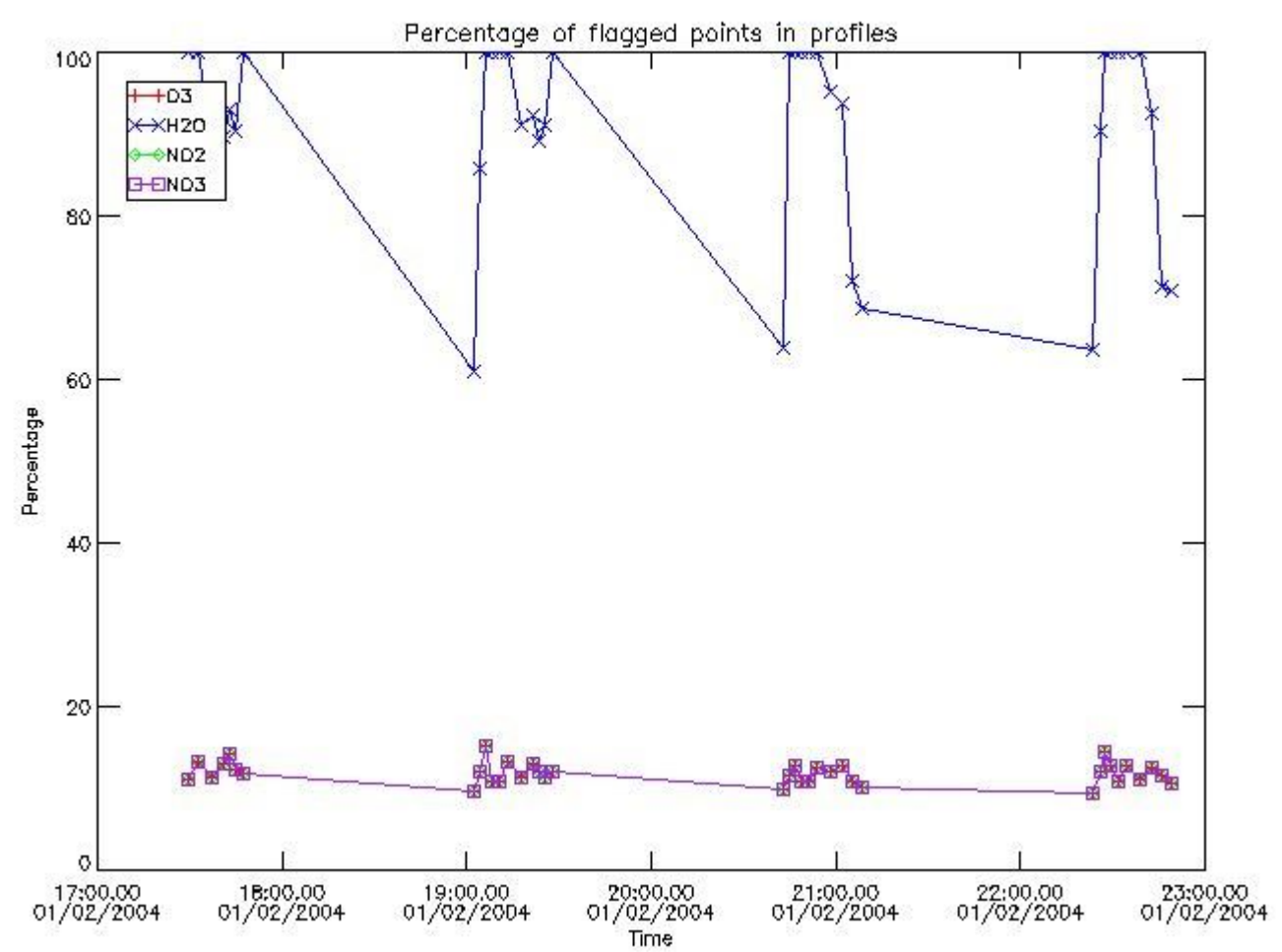
43	GOM_NL__2PRFIN20040201_193006_000000422023_00486_10059_1238.N1	01-FEB-2004 19:30:06	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	10059	No
44	GOM_NL__2PRFIN20040201_193128_000000432023_00486_10059_1239.N1	01-FEB-2004 19:31:28	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	10059	No
45	GOM_NL__2PRFIN20040201_193431_000000452023_00486_10059_1240.N1	01-FEB-2004 19:34:31	Straylight	45.000	37	25Del CMa	1.8300	5900.0	90	10059	No
46	GOM_NL__2PRFIN20040201_193727_000000482023_00486_10059_1241.N1	01-FEB-2004 19:37:27	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	10059	No
47	GOM_NL__2PRFIN20040201_193904_000000712023_00486_10059_1242.N1	01-FEB-2004 19:39:04	Straylight	71.000	48	30Alp Hya	1.9770	4100.0	142	10059	No
48	GOM_NL__2PRFIN20040201_194314_000000532023_00486_10059_1243.N1	01-FEB-2004 19:43:14	Twi_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	10059	No
49	GOM_NL__2PRFIN20040201_194641_000000402023_00486_10059_1244.N1	01-FEB-2004 19:46:41	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	10059	No
50	GOM_NL__2PRFIN20040201_194831_000000422023_00486_10059_1245.N1	01-FEB-2004 19:48:31	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	10059	No
51	GOM_NL__2PRFIN20040201_194953_000000432023_00486_10059_1246.N1	01-FEB-2004 19:49:53	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	10059	No
52	GOM_NL__2PRFIN20040201_195249_000000372023_00486_10059_1247.N1	01-FEB-2004 19:52:49	Bright	36.500	107	37The Aur	2.6490	11000.	73	10059	No
53	GOM_NL__2PRFIN20040201_195454_000000382023_00486_10059_1248.N1	01-FEB-2004 19:54:54	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	10059	No
54	GOM_NL__2PRFIN20040201_200413_000000492023_00486_10059_1249.N1	01-FEB-2004 20:04:13	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	10059	No
55	GOM_NL__2PRFIN20040201_200708_000000392023_00486_10059_1250.N1	01-FEB-2004 20:07:08	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	10059	No
56	GOM_NL__2PRFIN20040201_201013_000000432023_00486_10059_1251.N1	01-FEB-2004 20:10:13	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	10059	No
57	GOM_NL__2PRFIN20040201_201210_000000582023_00486_10059_1252.N1	01-FEB-2004 20:12:10	Bright	58.000	55	79Zet UMa	2.0600	10200.	116	10059	No
58	GOM_NL__2PRFIN20040201_201456_000000412023_00486_10059_1253.N1	01-FEB-2004 20:14:56	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	10059	No
59	GOM_NL__2PRFIN20040201_201807_000000412023_00486_10059_1254.N1	01-FEB-2004 20:18:07	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	10059	No
60	GOM_NL__2PRFIN20040201_202145_000000372023_00486_10059_1255.N1	01-FEB-2004 20:21:45	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	10059	No
61	GOM_NL__2PRFIN20040201_202449_000000452023_00486_10059_1256.N1	01-FEB-2004 20:24:49	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	10059	No
62	GOM_NL__2PRFIN20040201_202859_000001042023_00486_10059_1257.N1	01-FEB-2004 20:28:59	Bright	103.50	83		2.3780	11000.	207	10059	No
63	GOM_NL__2PRFIN20040201_203208_000000542023_00486_10059_1258.N1	01-FEB-2004 20:32:08	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	10059	No
64	GOM_NL__2PRFIN20040201_203544_000000722023_00486_10059_1259.N1	01-FEB-2004 20:35:44	Twi_and_stray	72.000	102	24Alp Ser	2.6000	4250.0	144	10059	No
65	GOM_NL__2PRFIN20040201_203837_000000462023_00486_10059_1260.N1	01-FEB-2004 20:38:37	Twi_and_stray	46.000	86	35Eta Oph	2.4300	10200.	92	10059	No
66	GOM_NL__2PRFIN20040201_204118_000000442023_00486_10059_1261.N1	01-FEB-2004 20:41:18	Twilight	44.000	167	10Gam2Sgr	2.9840	4500.0	88	10059	No
67	GOM_NL__2PRFIN20040201_204257_000000522023_00486_10059_1262.N1	01-FEB-2004 20:42:57	Dark	51.500	16	21Alp Sco	1.0200	3000.0	103	10059	No
68	GOM_NL__2PRFIN20040201_204508_000000442023_00486_10059_1263.N1	01-FEB-2004 20:45:08	Dark	44.000	40	The Sco	1.8590	7100.0	88	10059	No
69	GOM_NL__2PRFIN20040201_204700_000000402023_00486_10059_1264.N1	01-FEB-2004 20:47:00	Dark	40.000	147	Alp Ara	2.8770	26000.	80	10059	No
70	GOM_NL__2PRFIN20040201_204844_000000472023_00486_10059_1265.N1	01-FEB-2004 20:48:44	Dark	47.000	131	Gam Lup	2.8000	26000.	94	10059	No
71	GOM_NL__2PRFIN20040201_205058_000000482023_00487_10060_1251.N1	01-FEB-2004 20:50:58	Dark	47.500	109	Bet Lup	2.6770	26000.	95	10060	No
72	GOM_NL__2PRFIN20040201_205354_000000412023_00487_10060_1252.N1	01-FEB-2004 20:53:54	Dark	40.500	145	Gam TrA	2.8720	10600.	81	10060	No
73	GOM_NL__2PRFIN20040201_205830_000000432023_00487_10060_1253.N1	01-FEB-2004 20:58:30	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	10060	No
74	GOM_NL__2PRFIN20040201_210159_000000402023_00487_10060_1254.N1	01-FEB-2004 21:01:59	Dark	40.000	29	Bet Car	1.6720	10200.	80	10060	No
75	GOM_NL__2PRFIN20040201_210513_000000472023_00487_10060_1255.N1	01-FEB-2004 21:05:13	Dark	46.500	41	Eps Car	1.8600	4100.0	93	10060	No
76	GOM_NL__2PRFIN20040201_210838_000000502023_00487_10060_1256.N1	01-FEB-2004 21:08:38	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	10060	No
77	GOM_NL__2PRFIN20040201_211042_000000422023_00487_10060_1257.N1	01-FEB-2004 21:10:42	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	10060	No
78	GOM_NL__2PRFIN20040201_211204_000000422023_00487_10060_1258.N1	01-FEB-2004 21:12:04	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	10060	No
79	GOM_NL__2PRFIN20040201_211507_000000462023_00487_10060_1259.N1	01-FEB-2004 21:15:07	Straylight	46.000	37	25Del CMa	1.8300	5900.0	92	10060	No
80	GOM_NL__2PRFIN20040201_211803_000000522023_00487_10060_1260.N1	01-FEB-2004 21:18:03	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	10060	No
81	GOM_NL__2PRFIN20040201_211941_000000622023_00487_10060_1261.N1	01-FEB-2004 21:19:41	Straylight	62.000	48	30Alp Hya	1.9770	4100.0	124	10060	No
82	GOM_NL__2PRFIN20040201_212350_000000532023_00487_10060_1262.N1	01-FEB-2004 21:23:50	Twi_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	10060	No
83	GOM_NL__2PRFIN20040201_212717_000000402023_00487_10060_1263.N1	01-FEB-2004 21:27:17	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	10060	No
84	GOM_NL__2PRFIN20040201_212907_000000402023_00487_10060_1264.N1	01-FEB-2004 21:29:07	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	10060	No
85	GOM_NL__2PRFIN20040201_213029_000000442023_00487_10060_1265.N1	01-FEB-2004 21:30:29	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	10060	No
86	GOM_NL__2PRFIN20040201_213325_000000392023_00487_10060_1266.N1	01-FEB-2004 21:33:25	Bright	38.500	107	37The Aur	2.6490	11000.	77	10060	No
87	GOM_NL__2PRFIN20040201_213530_000000372023_00487_10060_1267.N1	01-FEB-2004 21:35:30	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	10060	No
88	GOM_NL__2PRFIN20040201_214448_000000492023_00487_10060_1268.N1	01-FEB-2004 21:44:48	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	10060	No
89	GOM_NL__2PRFIN20040201_214744_000000382023_00487_10060_1269.N1	01-FEB-2004 21:47:44	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	10060	No
90	GOM_NL__2PRFIN20040201_215048_000000422023_00487_10060_1270.N1	01-FEB-2004 21:50:48	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	10060	No
91	GOM_NL__2PRFIN20040201_215245_000000572023_00487_10060_1271.N1	01-FEB-2004 21:52:45	Bright	57.000	55	79Zet UMa	2.0600	10200.	114	10060	No
92	GOM_NL__2PRFIN20040201_215532_000000422023_00487_10060_1272.N1	01-FEB-2004 21:55:32	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	10060	No
93	GOM_NL__2PRFIN20040201_215842_000000412023_00487_10060_1273.N1	01-FEB-2004 21:58:42	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	10060	No
94	GOM_NL__2PRFIN20040201_220221_000000372023_00487_10060_1274.N1	01-FEB-2004 22:02:21	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	10060	No
95	GOM_NL__2PRFIN20040201_220525_000000462023_00487_10060_1275.N1	01-FEB-2004 22:05:25	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	10060	No
96	GOM_NL__2PRFIN20040201_220935_000001022023_00487_10060_1276.N1	01-FEB-2004 22:09:35	Bright	101.50	83		2.3780	11000.	203	10060	No
97	GOM_NL__2PRFIN20040201_221244_000000392023_00487_10060_1277.N1	01-FEB-2004 22:12:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	10060	No
98	GOM_NL__2PRFIN20040201_221621_000000692023_00487_10060_1278.N1	01-FEB-2004 22:16:21	Twi_and_stray	69.000	102	24Alp Ser	2.6000	4250.0	138	10060	No
99	GOM_NL__2PRFIN20040201_221914_000000482023_00487_10060_1279.N1	01-FEB-2004 22:19:14	Twi_and_stray	48.000	86	35Eta Oph	2.4300	10200.	96	10060	No
100	GOM_NL__2PRFIN20040201_222154_000000432023_00487_10060_1280.N1	01-FEB-2004 22:21:54	Twilight	42.500	167	10Gam2Sgr	2.9840	4500.0	85	10060	No
101	GOM_NL__2PRFIN20040201_222333_000000542023_00487_10060_1281.N1	01-FEB-2004 22:23:33	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	10060	No

102	GOM_NL__2PRFIN20040201_222544_000000422023_00487_10060_1282.N1	01-FEB-2004 22:25:44	Dark	42.000	40	The Sco	1.8590	7100.0	84	10060	No
103	GOM_NL__2PRFIN20040201_222736_000000392023_00487_10060_1283.N1	01-FEB-2004 22:27:36	Dark	39.000	147	Alp Ara	2.8770	26000.	78	10060	No
104	GOM_NL__2PRFIN20040201_222921_000000442023_00487_10060_1284.N1	01-FEB-2004 22:29:21	Dark	44.000	131	Gam Lup	2.8000	26000.	88	10060	No
105	GOM_NL__2PRFIN20040201_223135_000000472023_00488_10061_1251.N1	01-FEB-2004 22:31:35	Dark	47.000	109	Bet Lup	2.6770	26000.	94	10061	No
106	GOM_NL__2PRFIN20040201_223430_000000402023_00488_10061_1252.N1	01-FEB-2004 22:34:30	Dark	40.000	145	Gam TrA	2.8720	10600.	80	10061	No
107	GOM_NL__2PRFIN20040201_223906_000000462023_00488_10061_1253.N1	01-FEB-2004 22:39:06	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	10061	No
108	GOM_NL__2PRFIN20040201_224235_000000412023_00488_10061_1254.N1	01-FEB-2004 22:42:35	Dark	41.000	29	Bet Car	1.6720	10200.	82	10061	No
109	GOM_NL__2PRFIN20040201_224549_000000442023_00488_10061_1255.N1	01-FEB-2004 22:45:49	Dark	44.000	41	Eps Car	1.8600	4100.0	88	10061	No
110	GOM_NL__2PRFIN20040201_224912_000000492023_00488_10061_1256.N1	01-FEB-2004 22:49:12	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	10061	No
111	GOM_NL__2PRFIN20040201_225119_000000412023_00488_10061_1257.N1	01-FEB-2004 22:51:19	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	10061	No
112	GOM_NL__2PRFIN20040201_225241_000000452023_00488_10061_1258.N1	01-FEB-2004 22:52:41	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	10061	No
113	GOM_NL__2PRFIN20040201_225542_000000472023_00488_10061_1259.N1	01-FEB-2004 22:55:42	Straylight	46.500	37	25Del CMa	1.8300	5900.0	93	10061	No
114	GOM_NL__2PRFIN20040201_225840_000000502023_00488_10061_1260.N1	01-FEB-2004 22:58:40	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	10061	No
115	GOM_NL__2PRFIN20040201_230016_000000632023_00488_10061_1261.N1	01-FEB-2004 23:00:16	Straylight	62.500	48	30Alp Hya	1.9770	4100.0	125	10061	No
116	GOM_NL__2PRFIN20040201_230426_000000532023_00488_10061_1262.N1	01-FEB-2004 23:04:26	Twilight_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	10061	No
117	GOM_NL__2PRFIN20040201_230752_000000402023_00488_10061_1263.N1	01-FEB-2004 23:07:52	Bright	39.500	44	24Gam Gem	1.9280	11000.	79	10061	No
118	GOM_NL__2PRFIN20040201_230943_000000422023_00488_10061_1264.N1	01-FEB-2004 23:09:43	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	10061	No
119	GOM_NL__2PRFIN20040201_231103_000000462023_00488_10061_1265.N1	01-FEB-2004 23:11:03	Bright	45.500	17	78Bet Gem	1.1610	4500.0	91	10061	No
120	GOM_NL__2PRFIN20040201_231401_000000392023_00488_10061_1266.N1	01-FEB-2004 23:14:01	Bright	38.500	107	37The Aur	2.6490	11000.	77	10061	No
121	GOM_NL__2PRFIN20040201_231605_000000392023_00488_10061_1267.N1	01-FEB-2004 23:16:05	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	10061	No
122	GOM_NL__2PRFIN20040201_232523_000000482023_00488_10061_1268.N1	01-FEB-2004 23:25:23	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	10061	No
123	GOM_NL__2PRFIN20040201_232819_000000382023_00488_10061_1269.N1	01-FEB-2004 23:28:19	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	10061	No
124	GOM_NL__2PRFIN20040201_233124_000000422023_00488_10061_1270.N1	01-FEB-2004 23:31:24	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	10061	No
125	GOM_NL__2PRFIN20040201_233320_000000552023_00488_10061_1271.N1	01-FEB-2004 23:33:20	Bright	55.000	55	79Zet UMa	2.0600	10200.	110	10061	No
126	GOM_NL__2PRFIN20040201_233607_000000422023_00488_10061_1272.N1	01-FEB-2004 23:36:07	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	10061	No
127	GOM_NL__2PRFIN20040201_233919_000000412023_00488_10061_1273.N1	01-FEB-2004 23:39:19	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	10061	No
128	GOM_NL__2PRFIN20040201_234257_000000392023_00488_10061_1274.N1	01-FEB-2004 23:42:57	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	10061	No
129	GOM_NL__2PRFIN20040201_234601_000000462023_00488_10061_1275.N1	01-FEB-2004 23:46:01	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	10061	No
130	GOM_NL__2PRFIN20040201_235013_000001042023_00488_10061_1276.N1	01-FEB-2004 23:50:13	Twilight_stray	103.50	83		2.3780	11000.	207	10061	No
131	GOM_NL__2PRFIN20040201_235320_000000542023_00488_10061_1277.N1	01-FEB-2004 23:53:20	Bright	54.000	126	60Bet Oph	2.7700	4250.0	108	10061	No
132	GOM_NL__2PRFIN20040201_235658_000000662023_00488_10061_1278.N1	01-FEB-2004 23:56:58	Twilight_stray	66.000	102	24Alp Ser	2.6000	4250.0	132	10061	No
133	GOM_NL__2PRFIN20040201_235950_000000432023_00488_10061_1279.N1	01-FEB-2004 23:59:50	Twilight_stray	43.000	86	35Eta Oph	2.4300	10200.	86	10061	No

### 3. Quality information per product

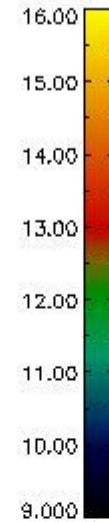
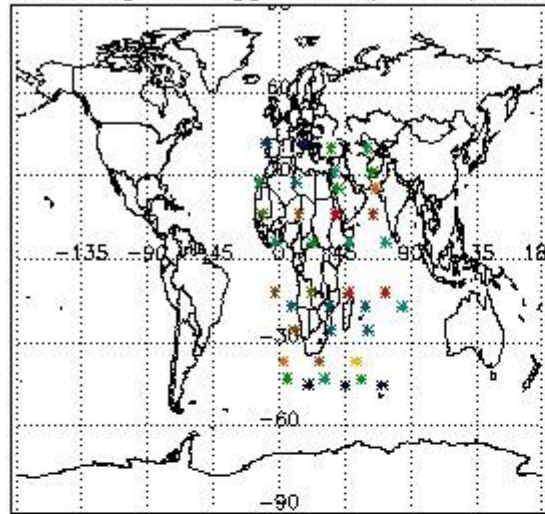
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

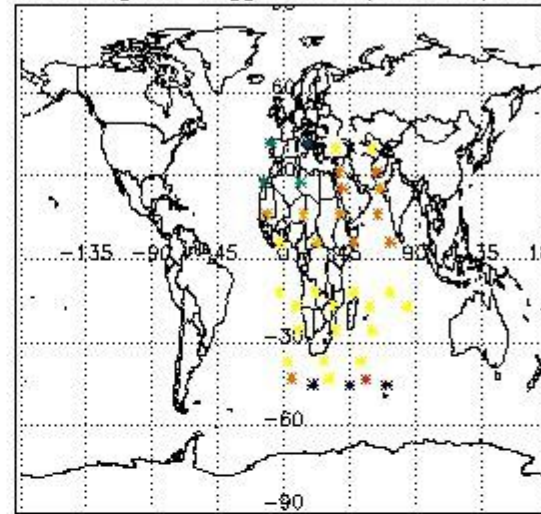


3.2 Plot quality information per product (world map)

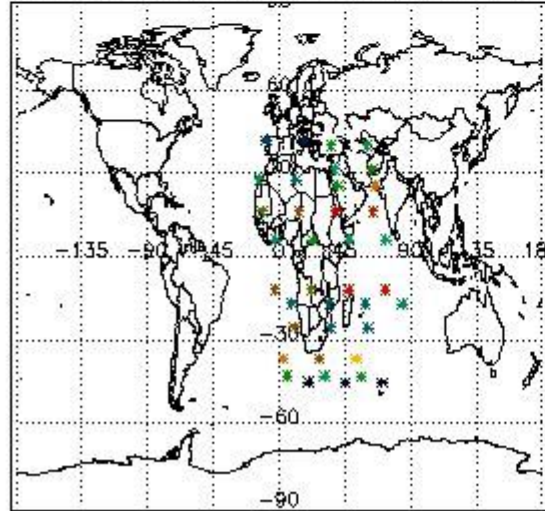
Percentage of flagged data per O3 profile



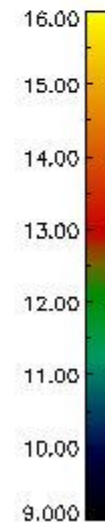
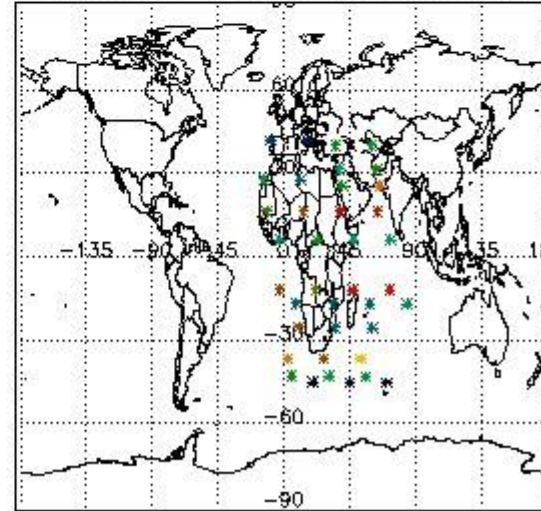
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

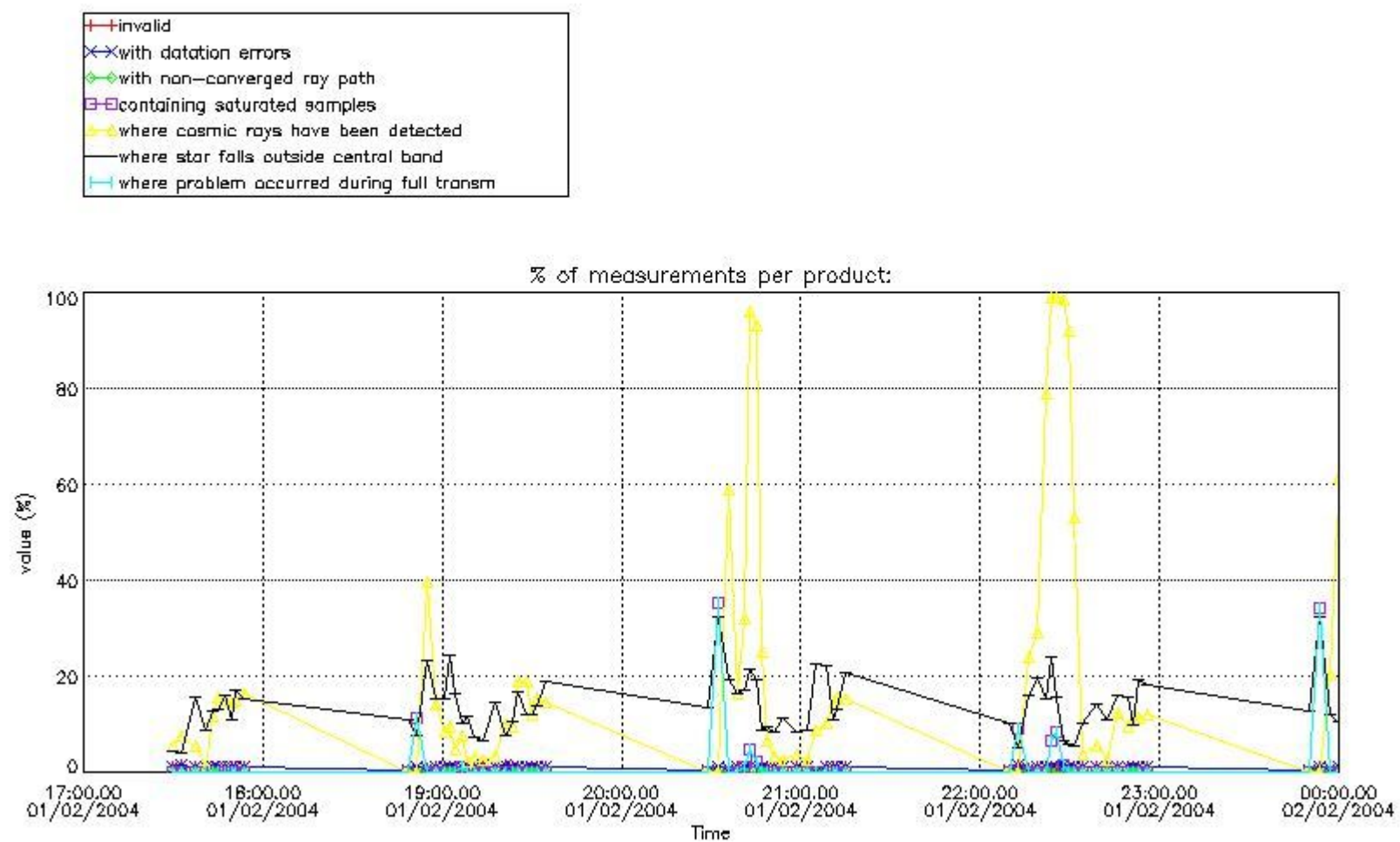


#### 4. Level 1 quality information per product

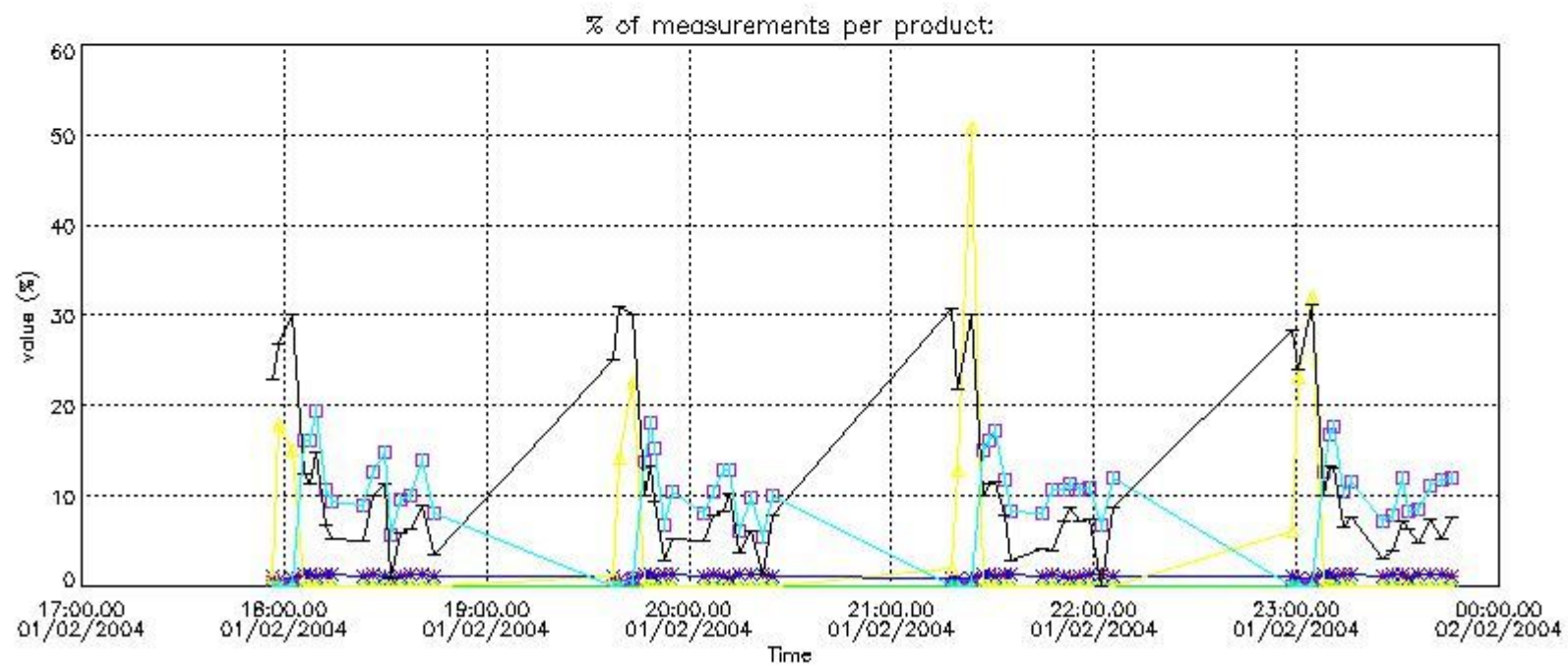
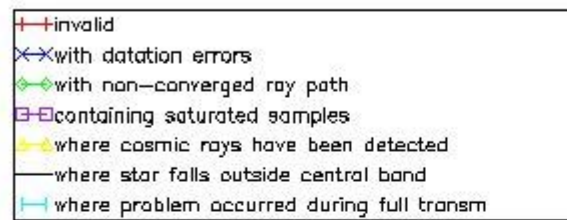
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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): ENVISAT DESCENDING passes

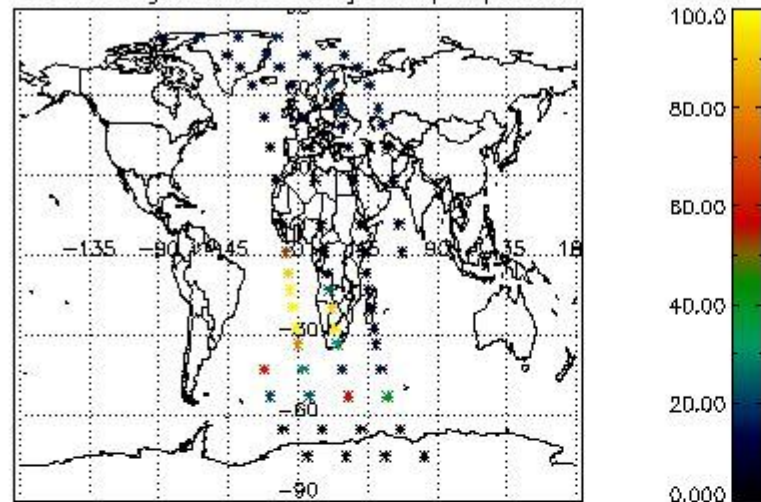


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

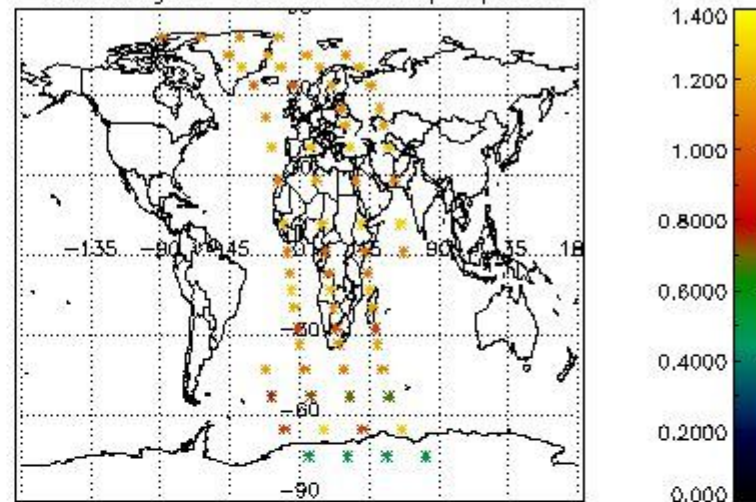
##### 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



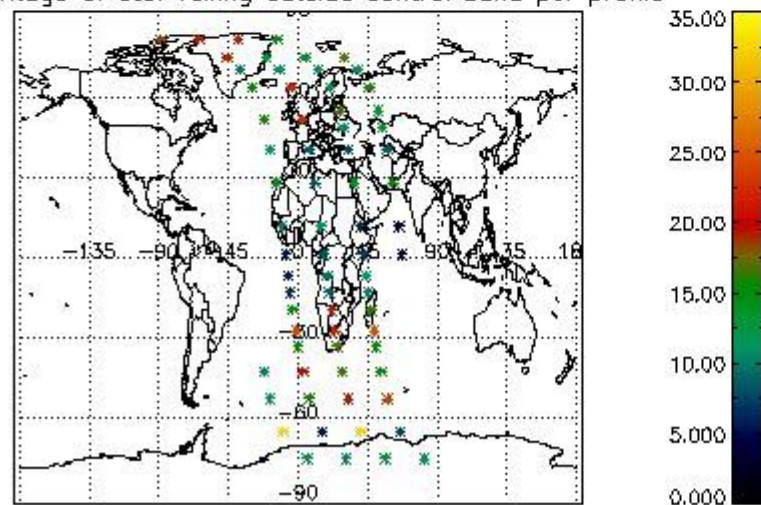
Percentage of cosmic ray hits per profile



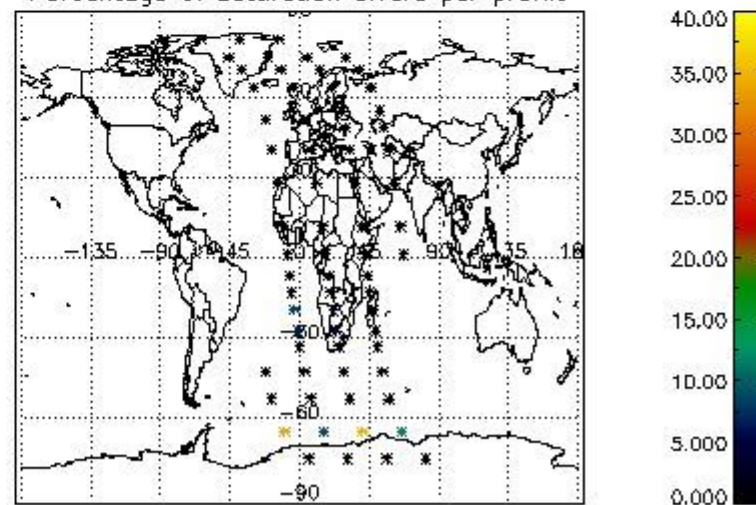
Percentage of datation errors per profile



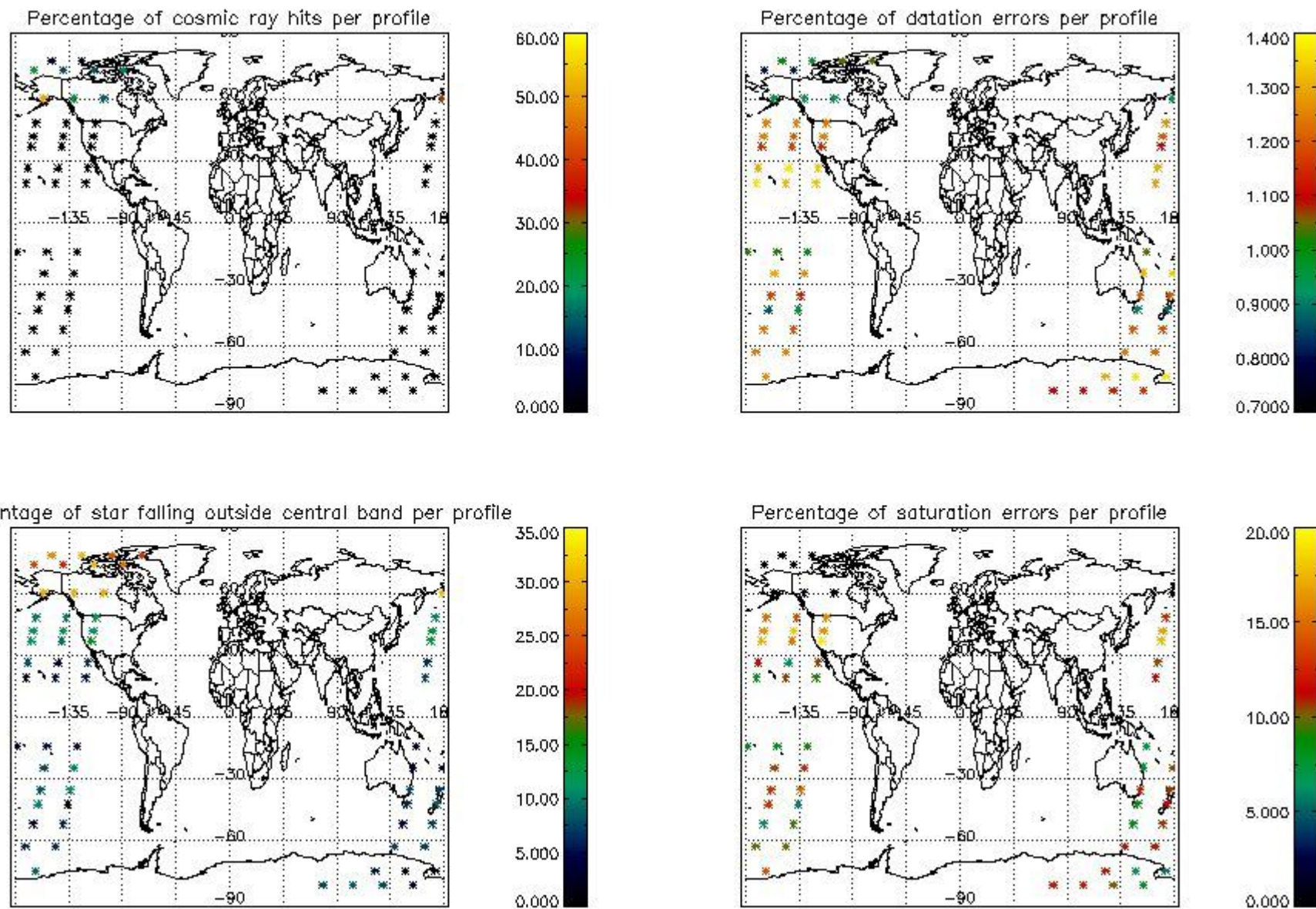
Percentage of star falling outside central band per profile



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

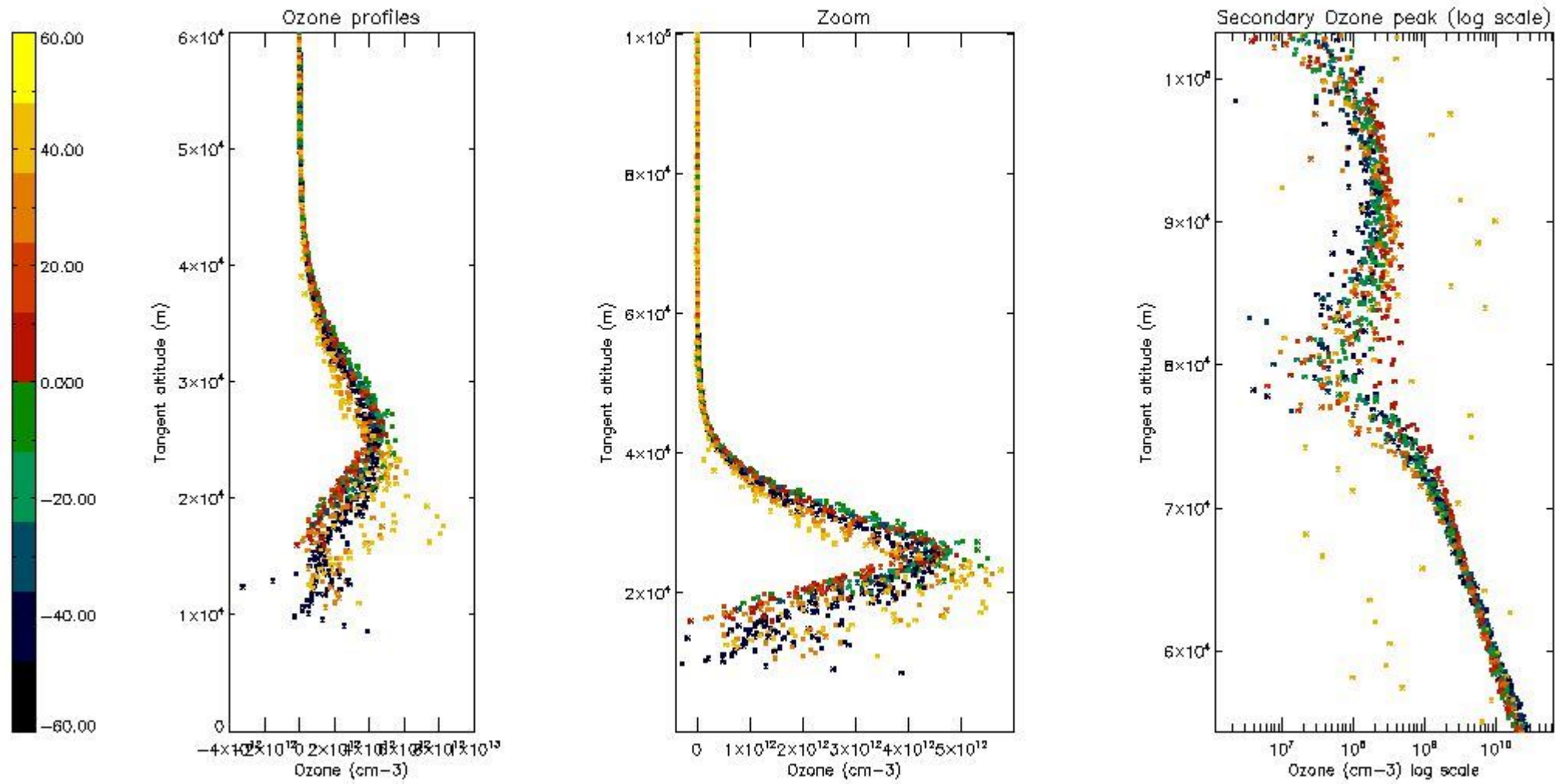
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	16

STD < 10	14
STD < 5	9

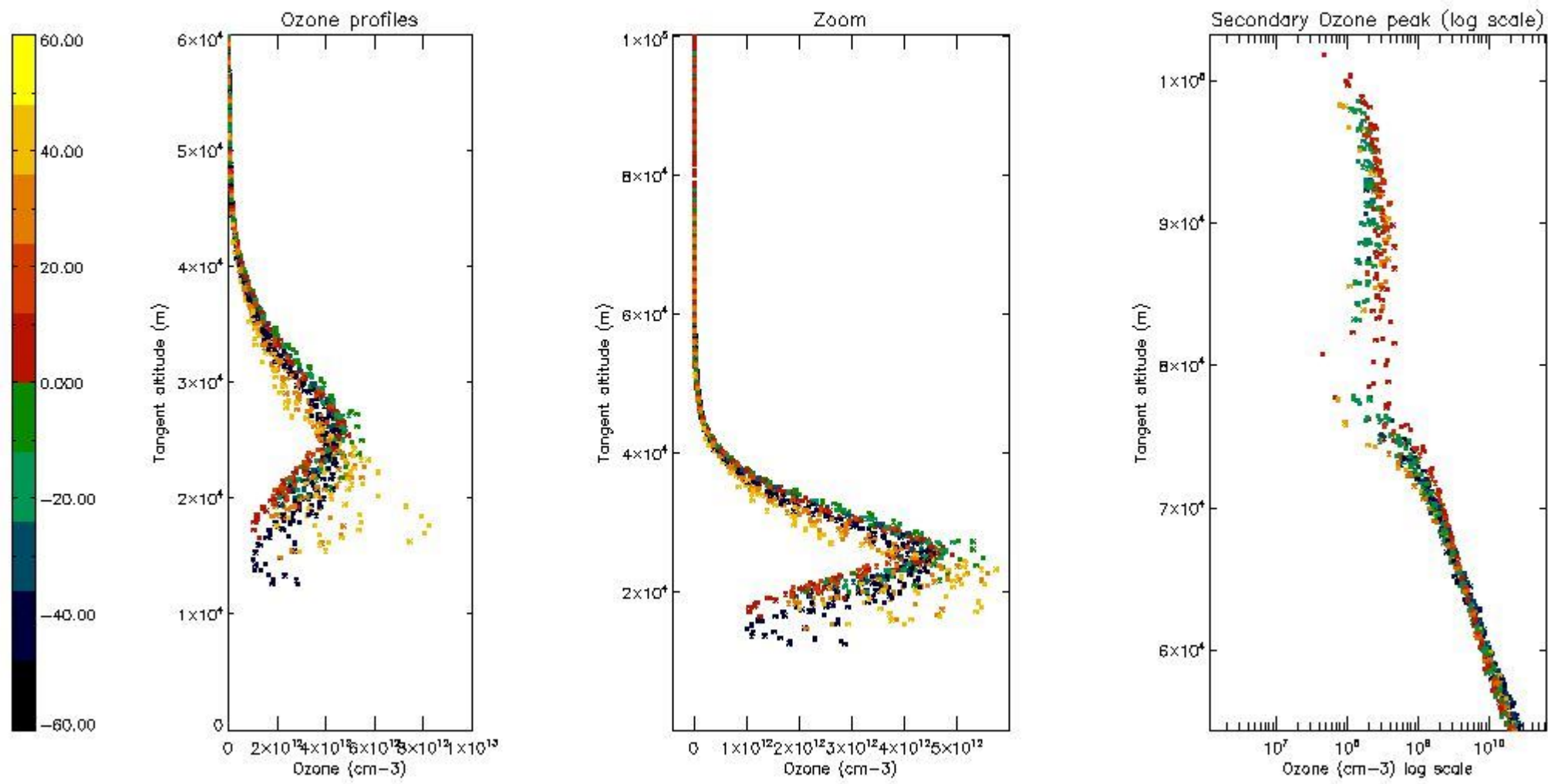
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



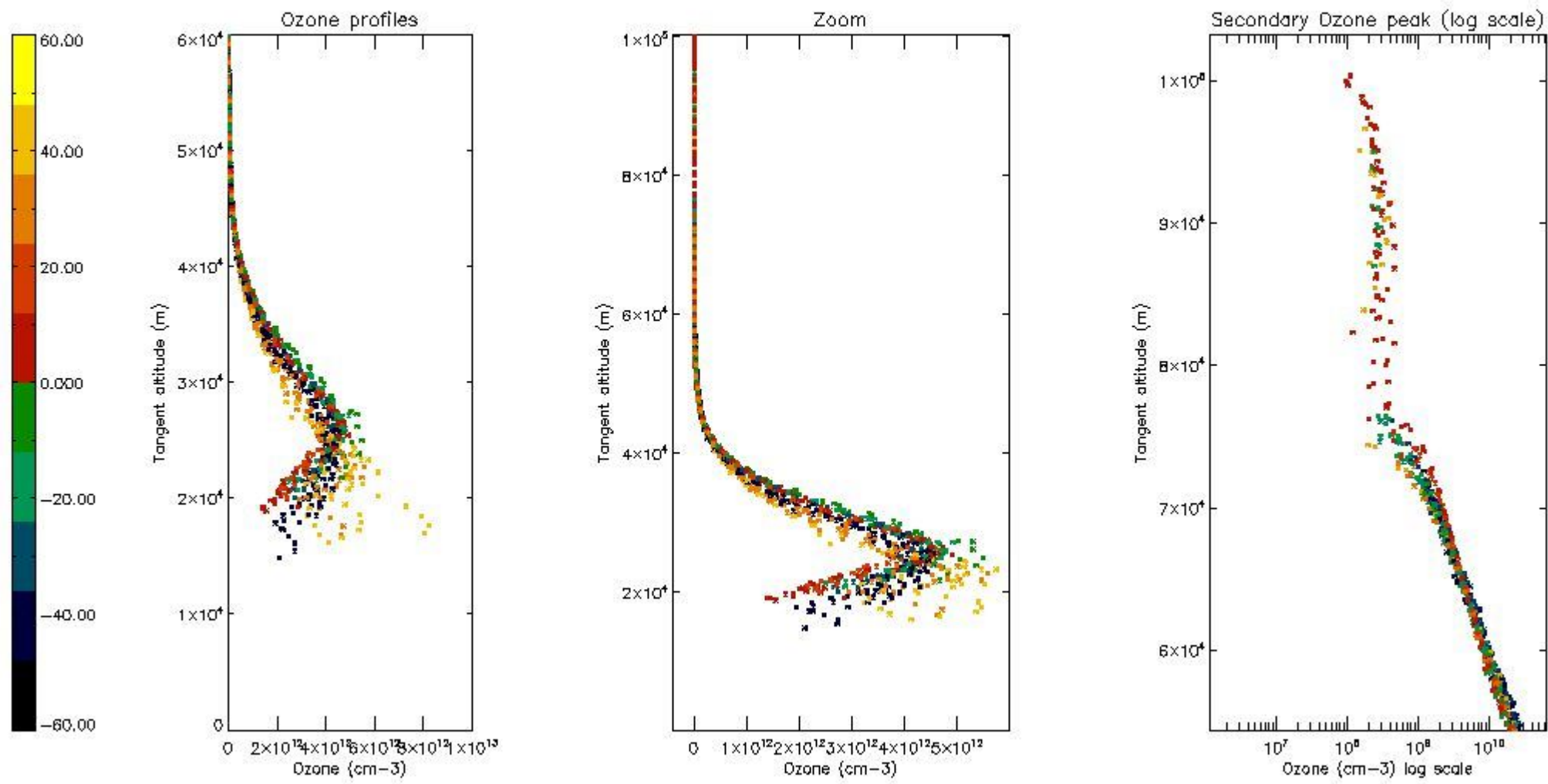
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



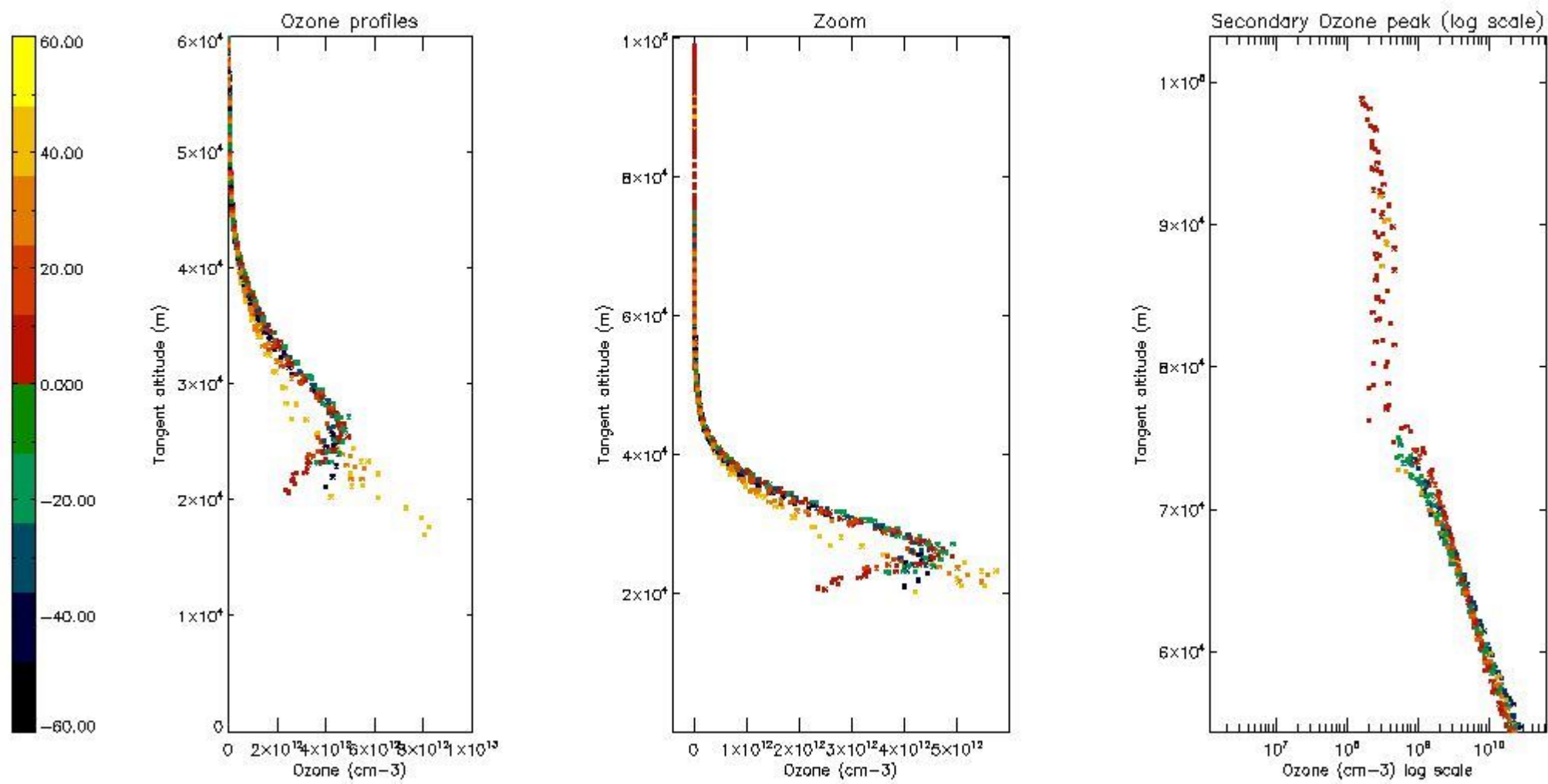
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



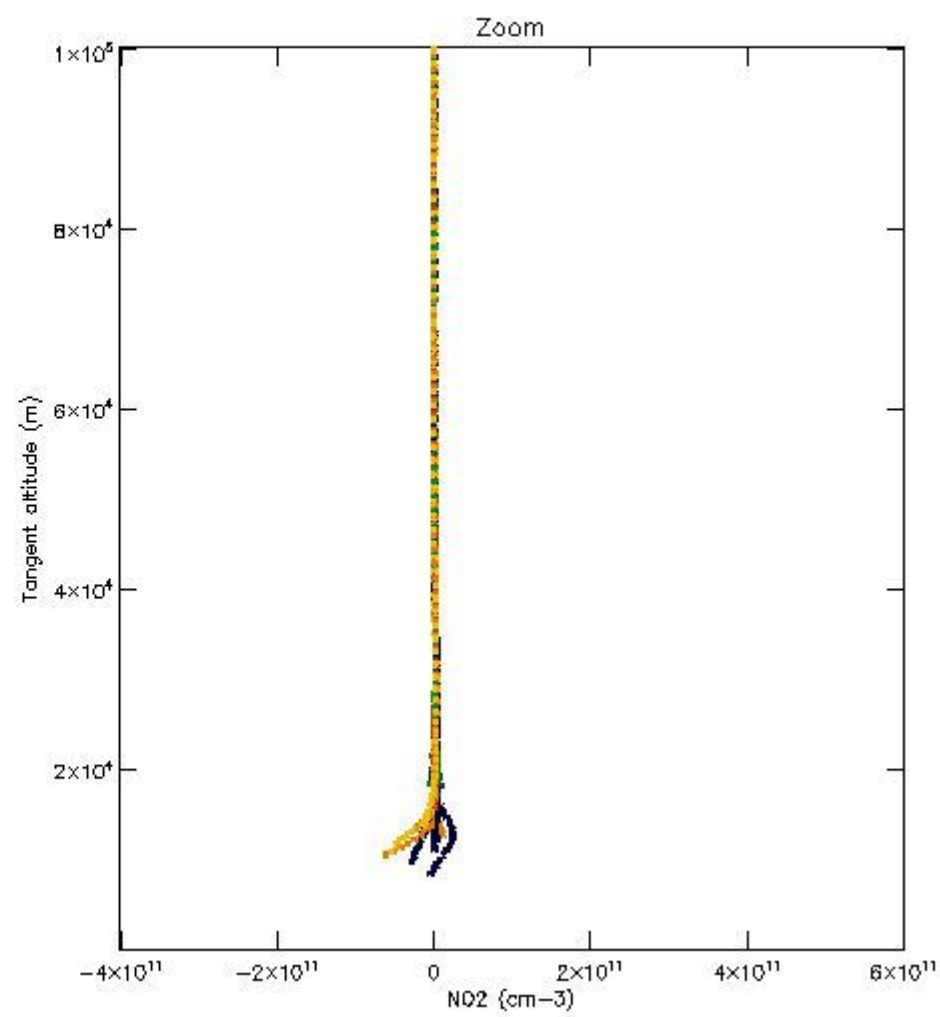
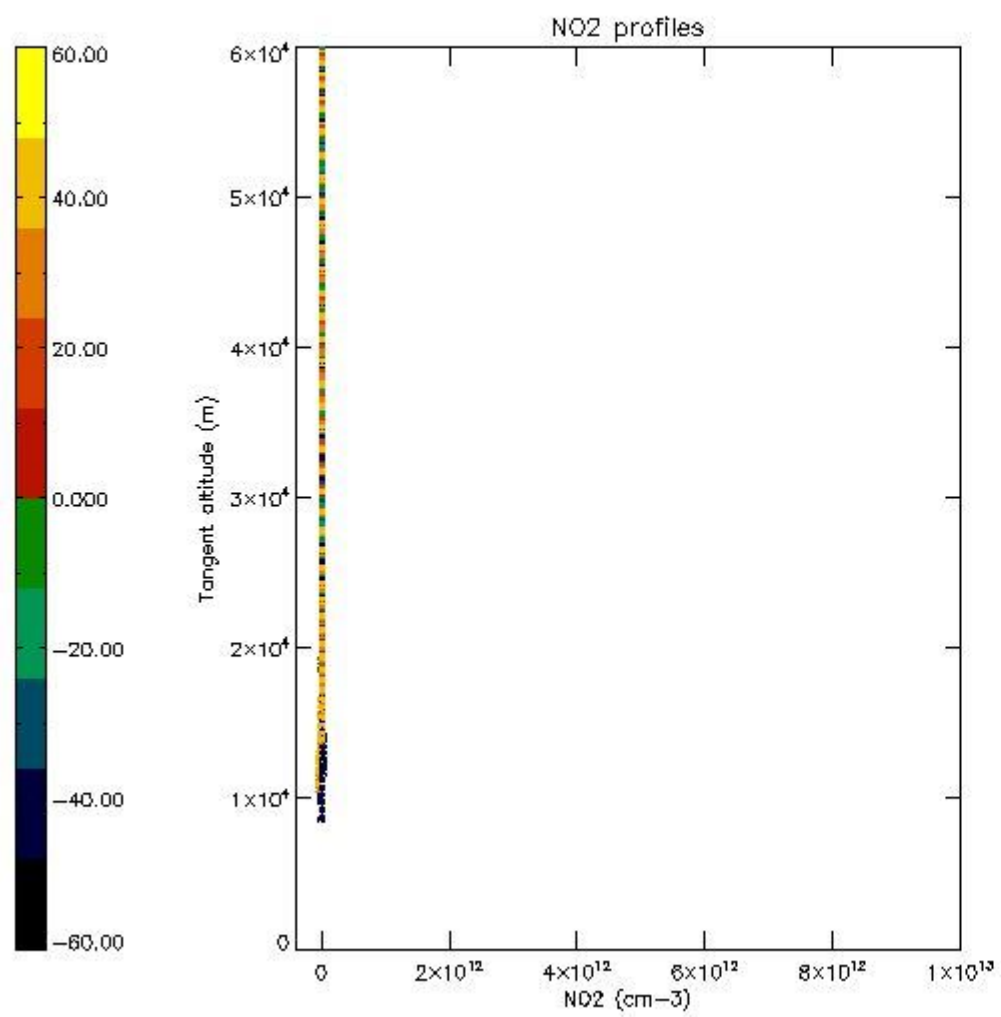
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



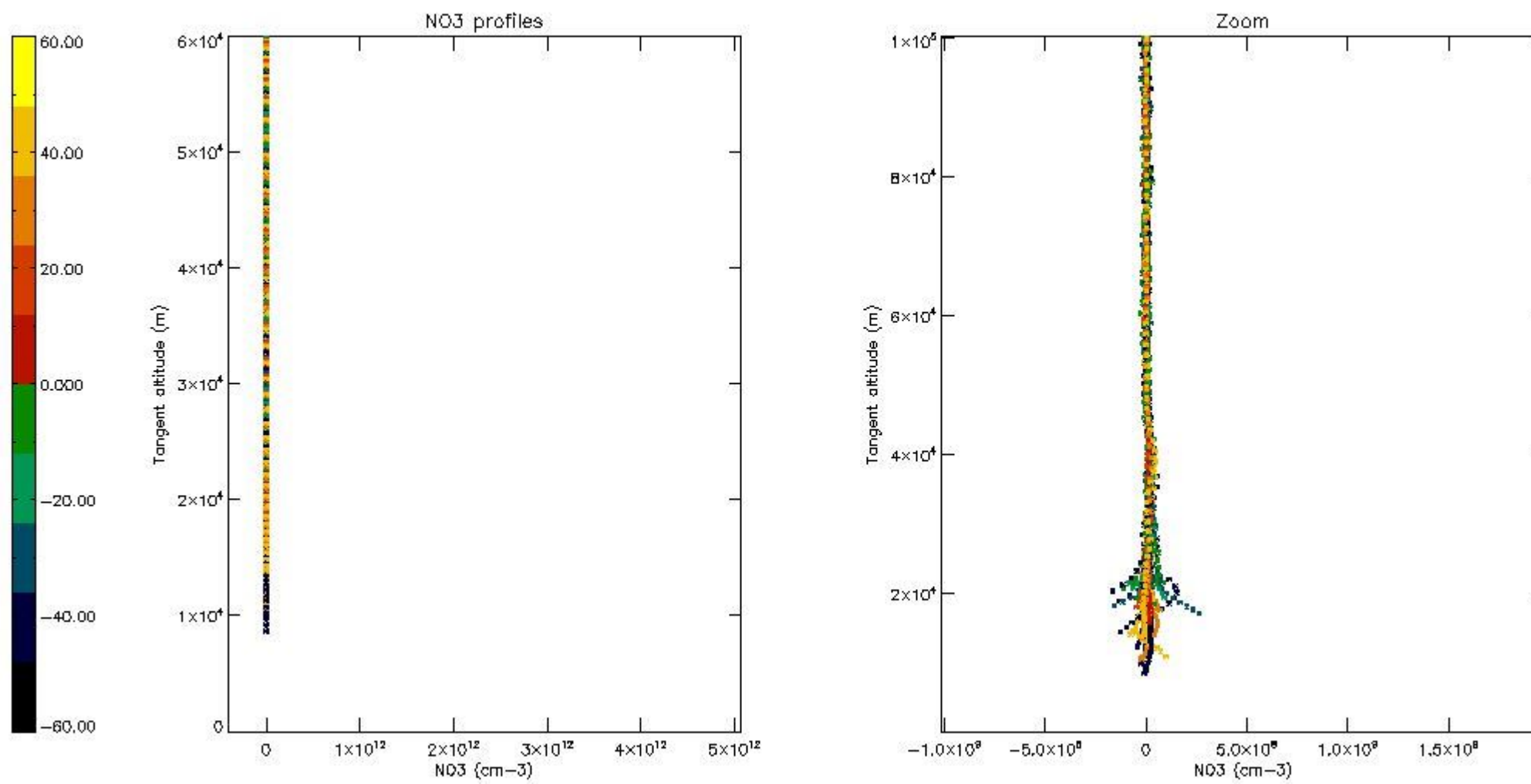
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

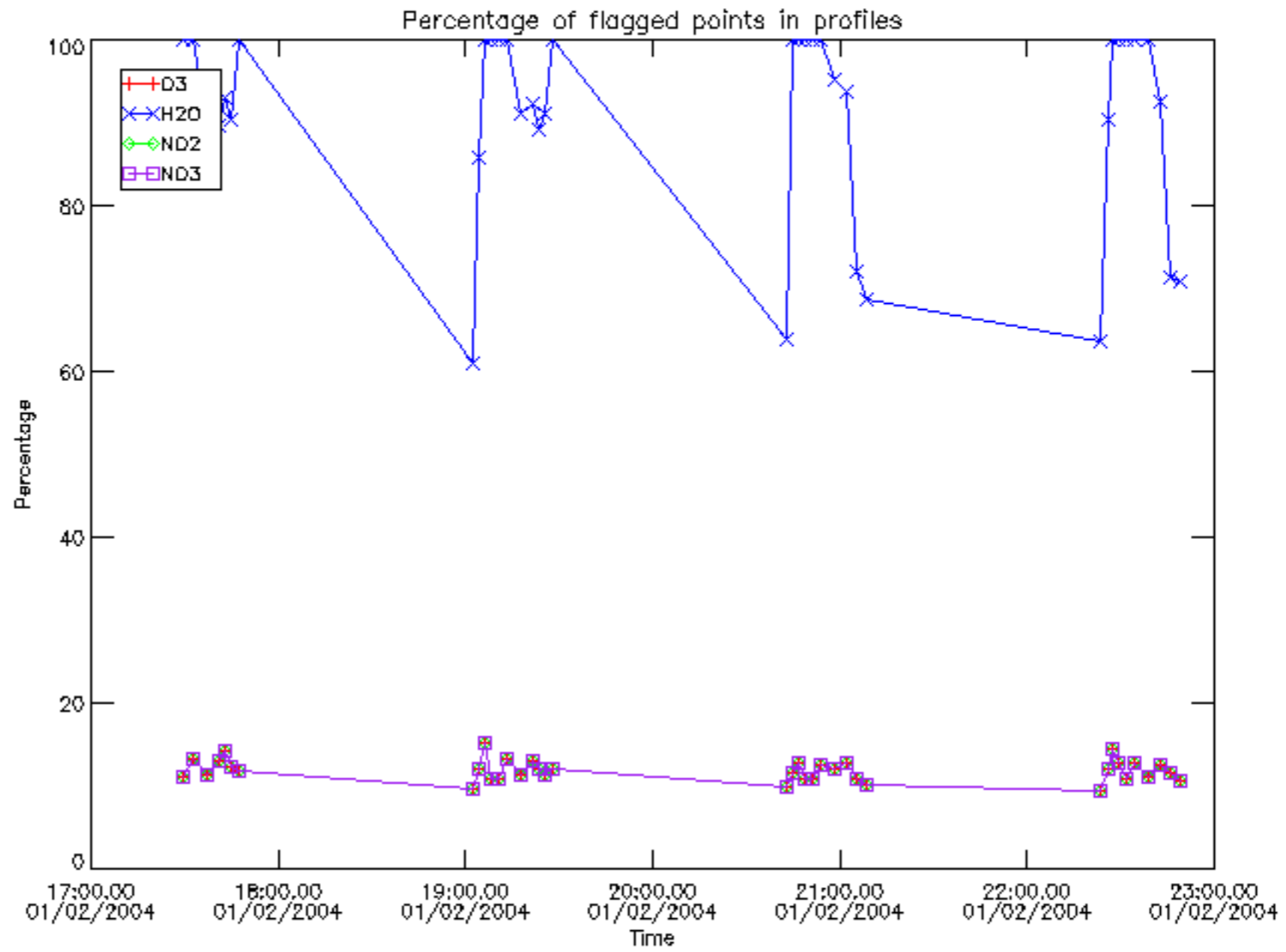


## 6. Auxiliary Data Files used for the production reported in section 2

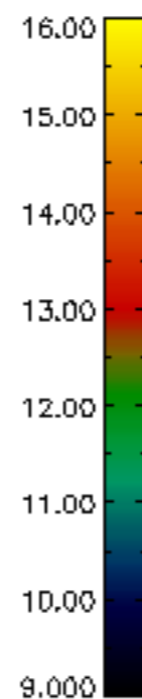
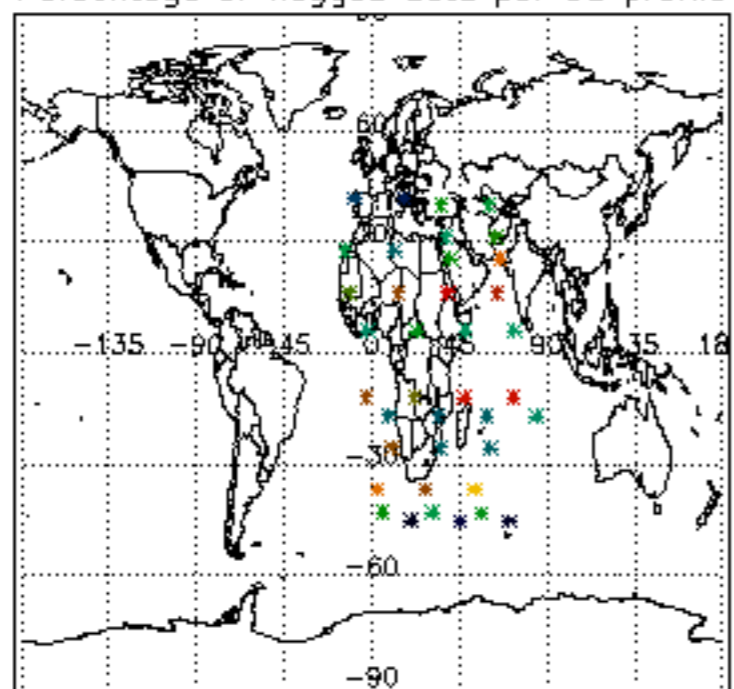
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-FEB-2004 17:29:45
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-FEB-2004 17:29:45
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-FEB-2004 17:29:45

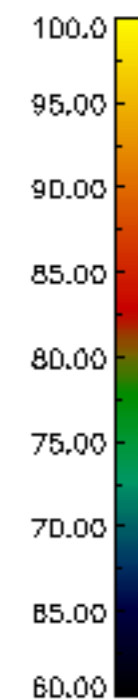
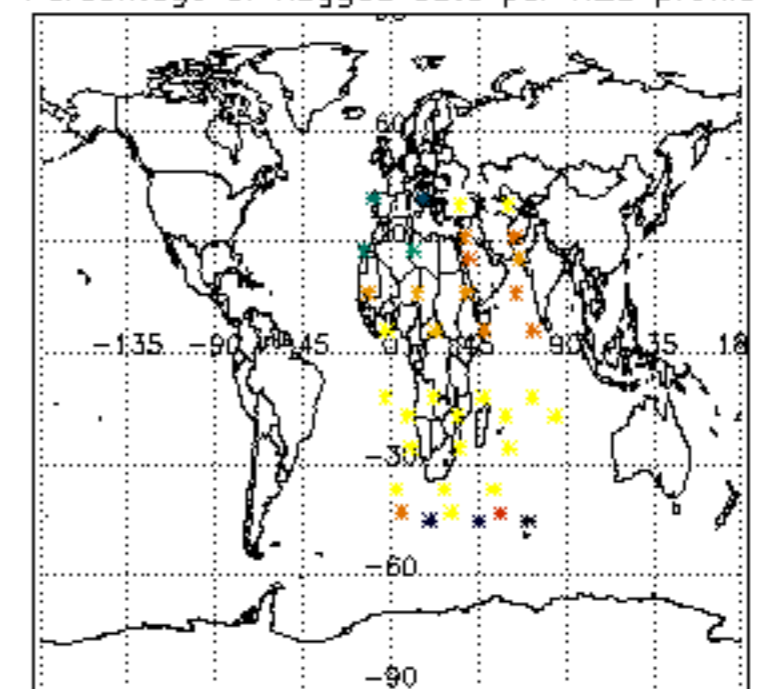




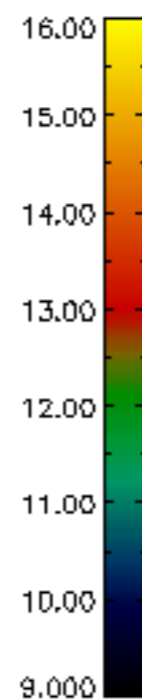
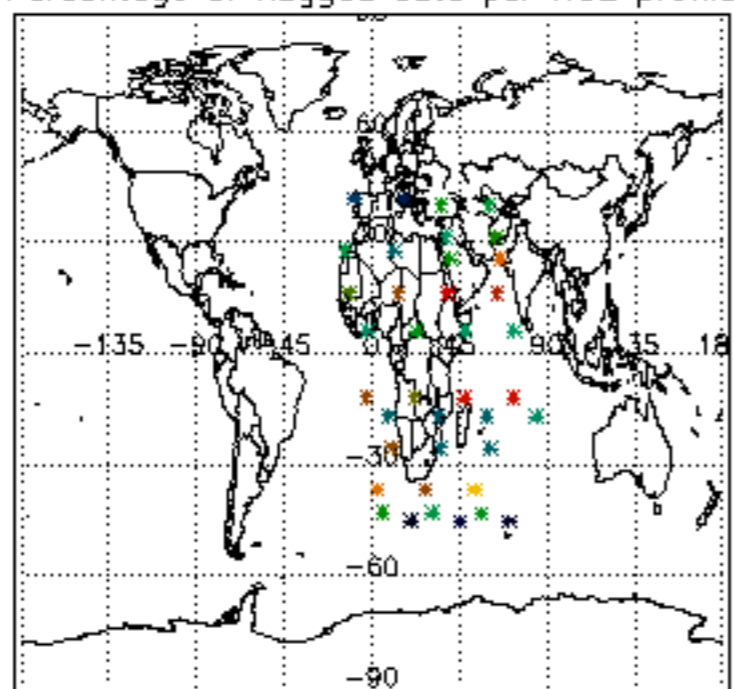
Percentage of flagged data per D3 profile



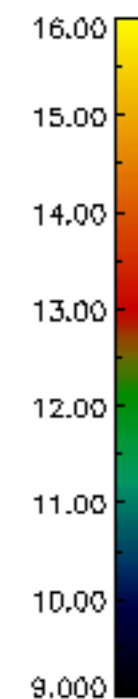
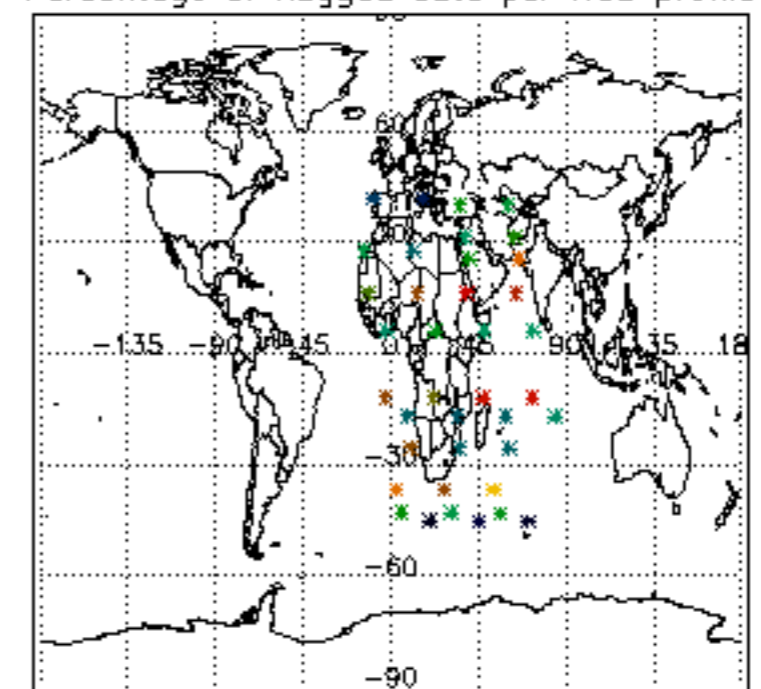
Percentage of flagged data per H2O profile

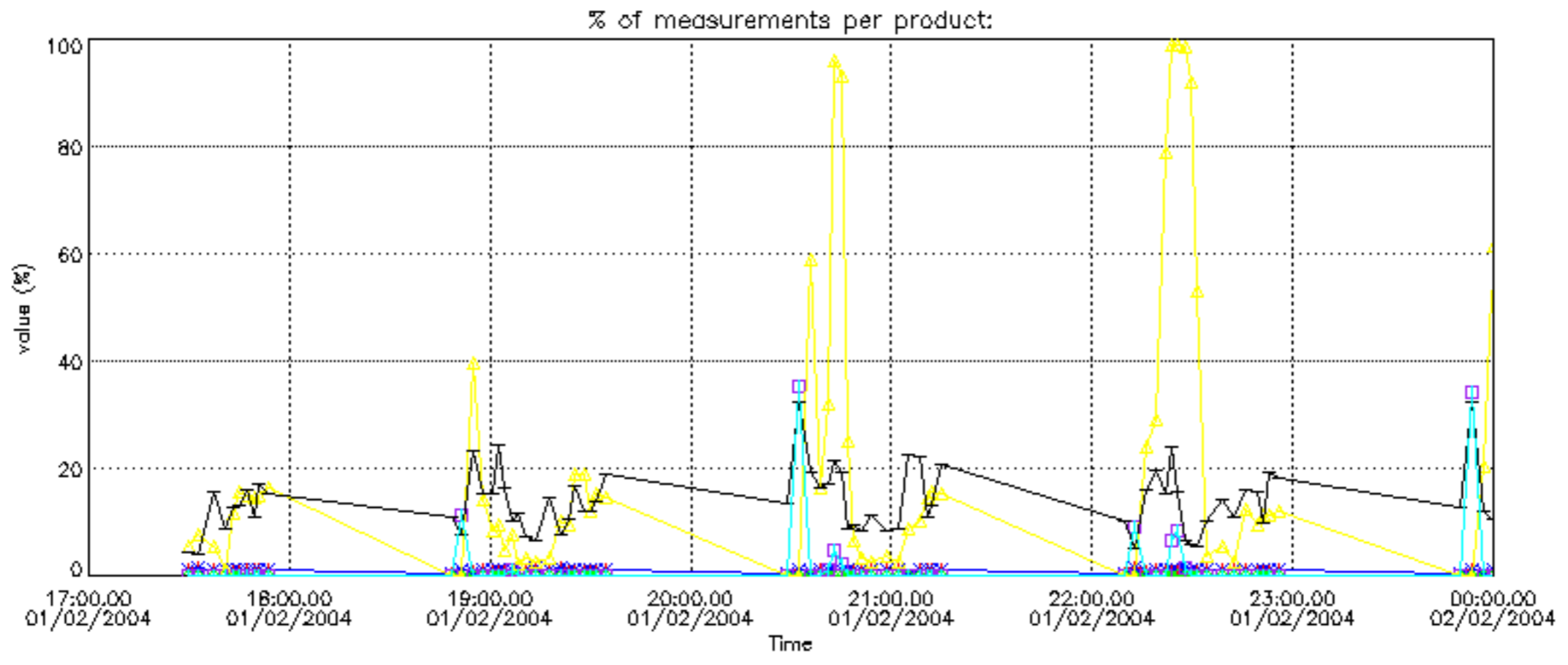


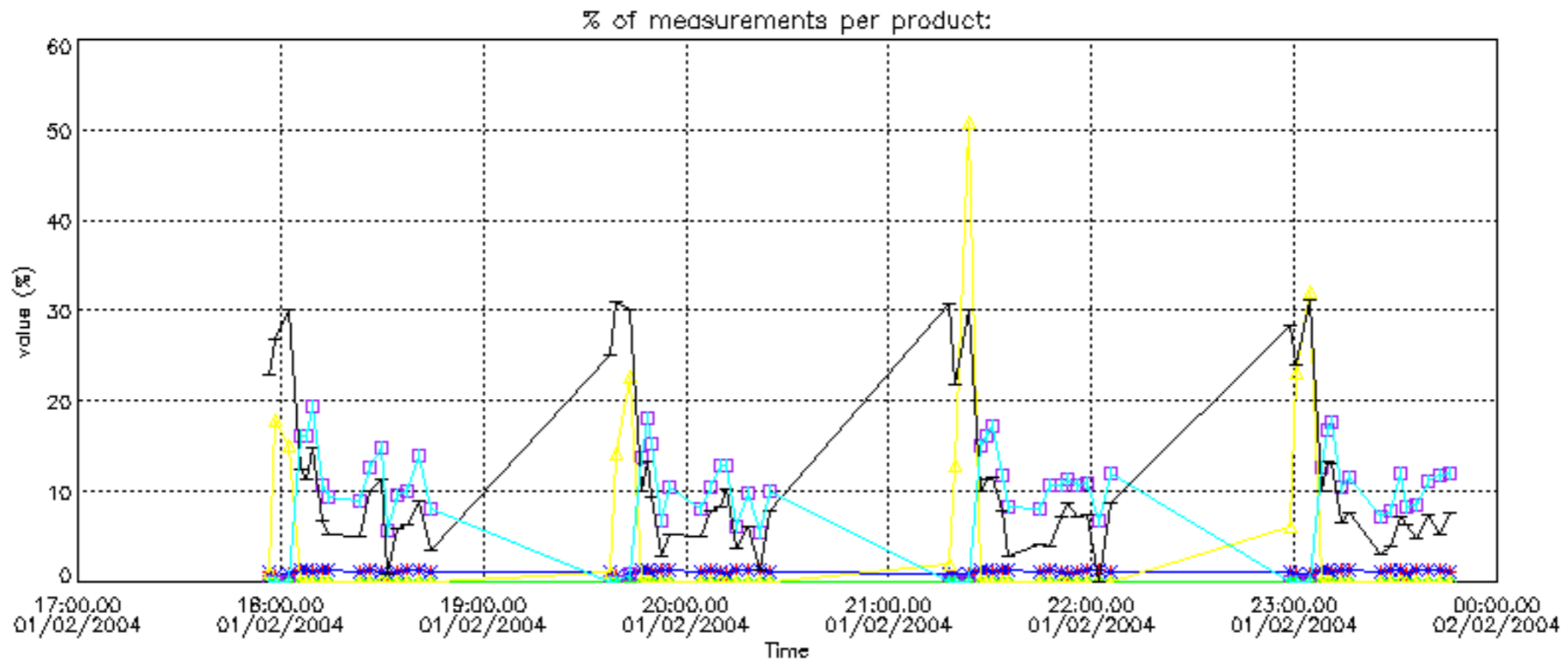
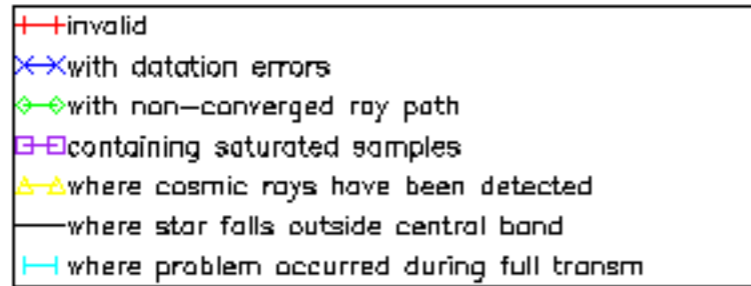
Percentage of flagged data per NO2 profile



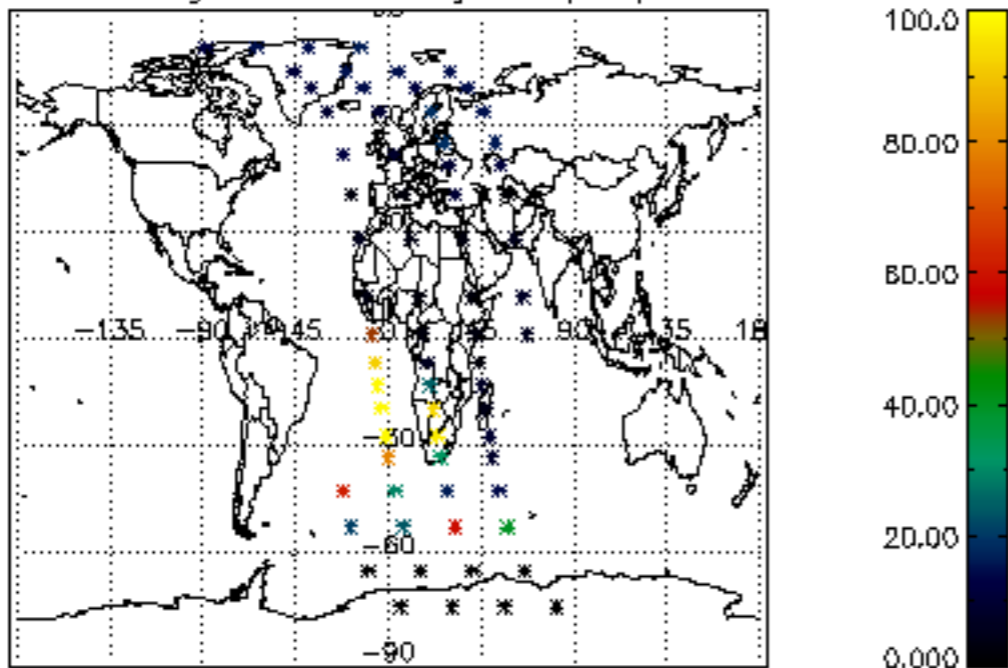
Percentage of flagged data per NO3 profile



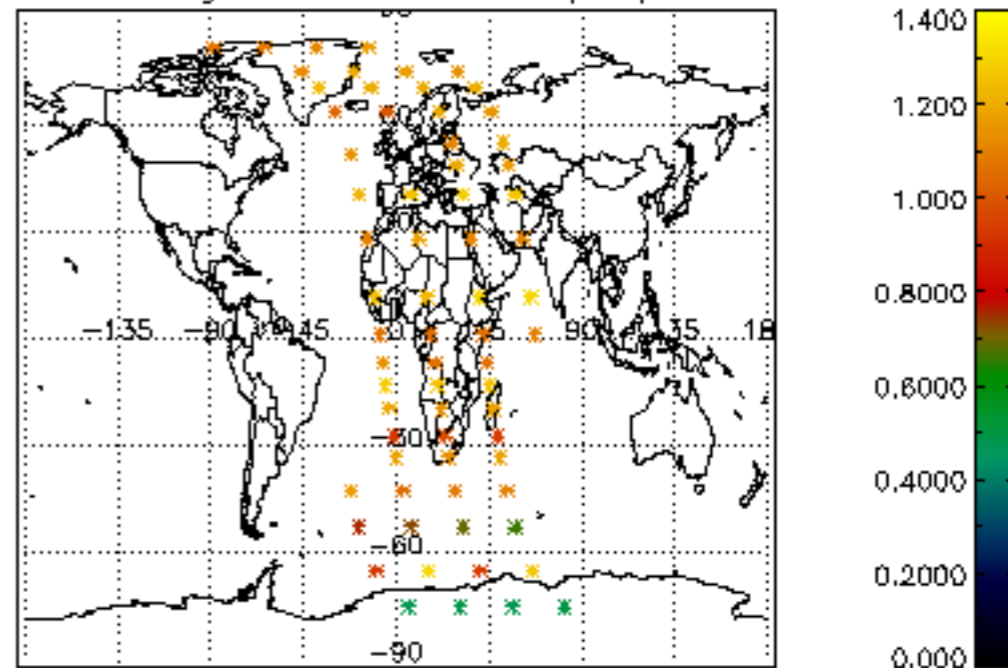




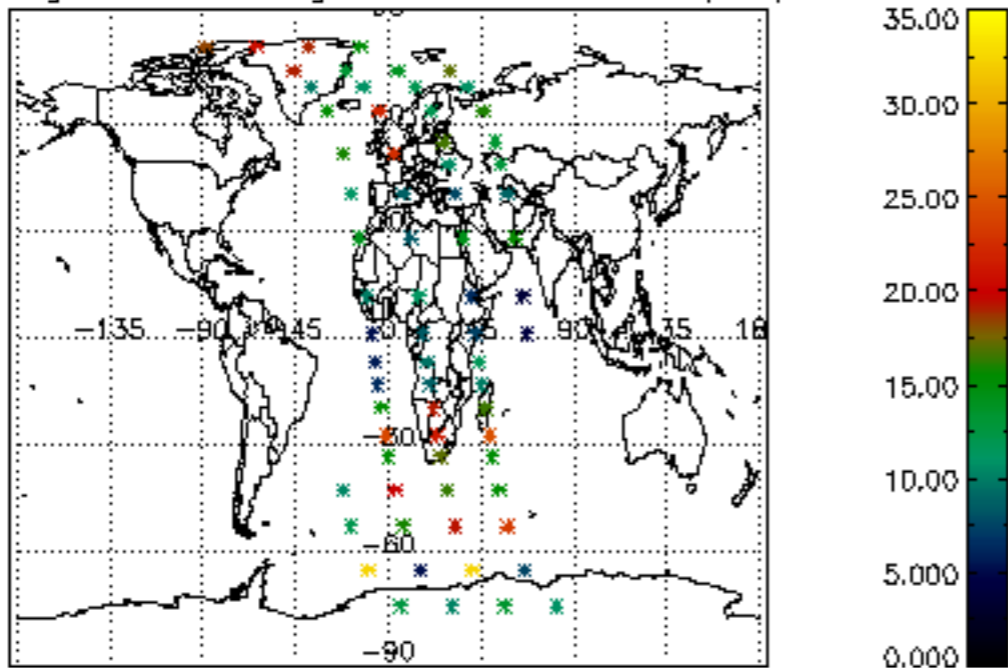
Percentage of cosmic ray hits per profile



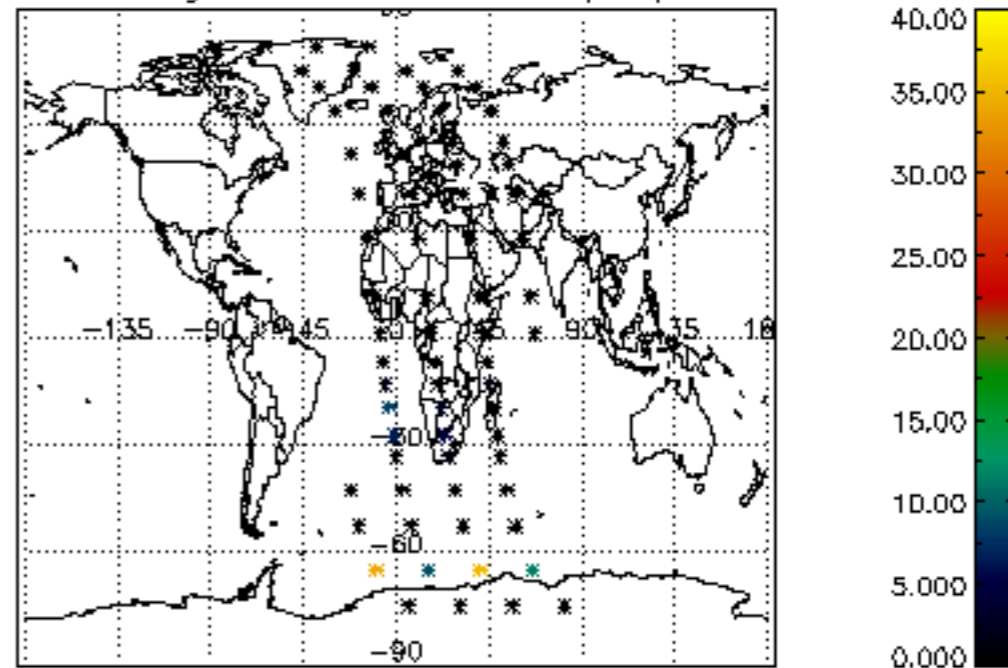
Percentage of datation errors per profile



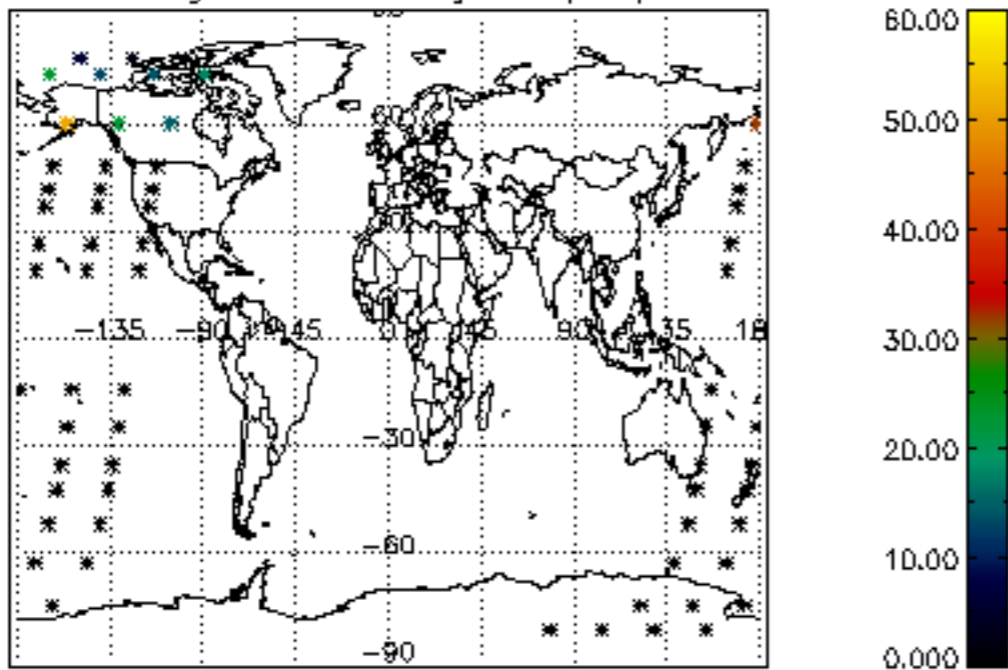
Percentage of star falling outside central band per profile



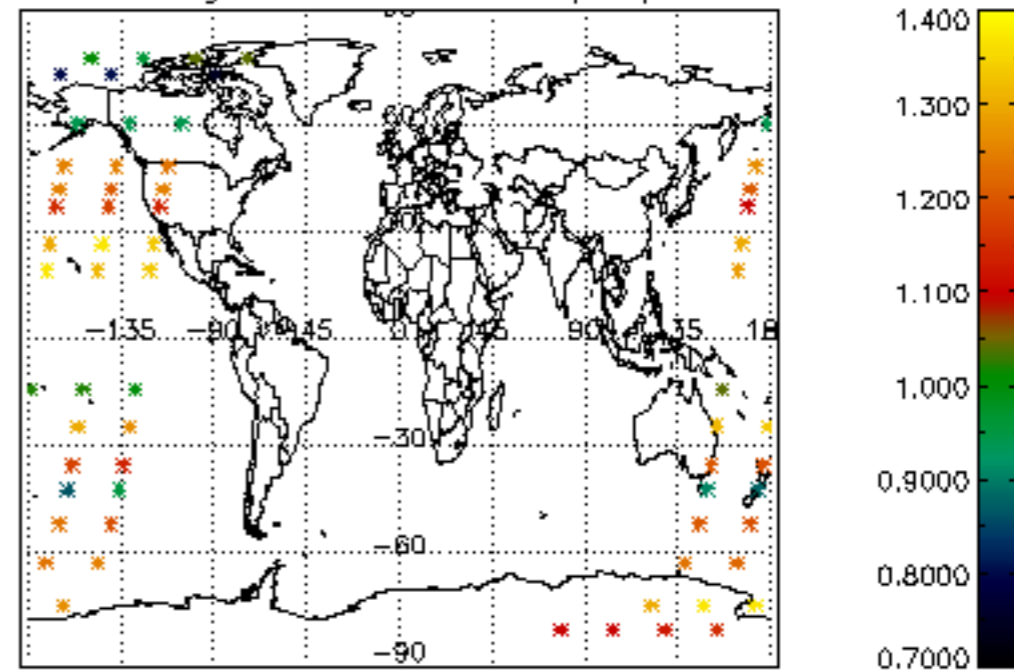
Percentage of saturation errors per profile



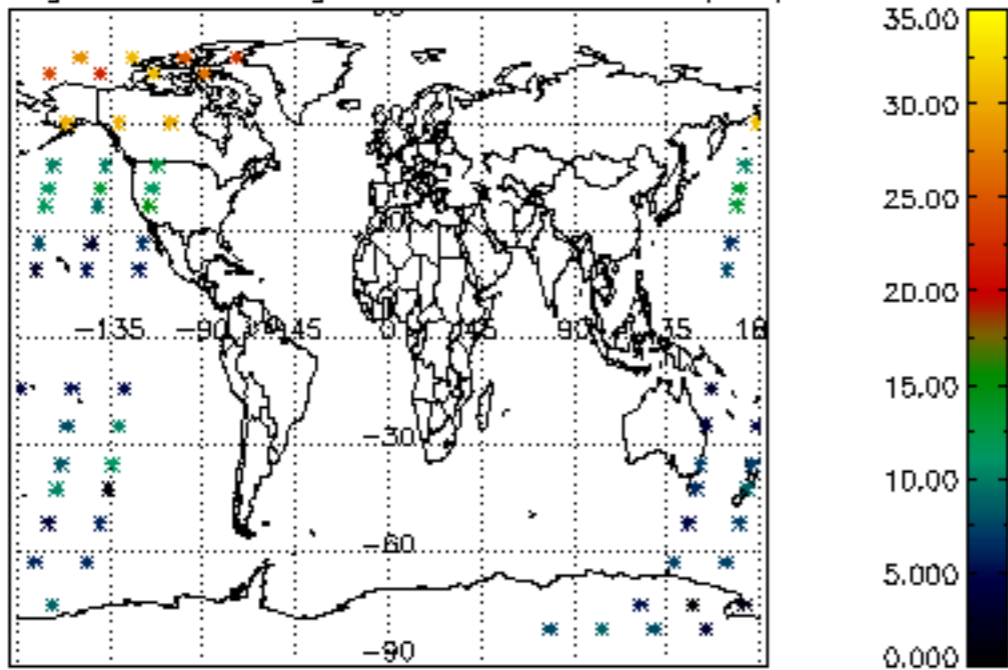
Percentage of cosmic ray hits per profile



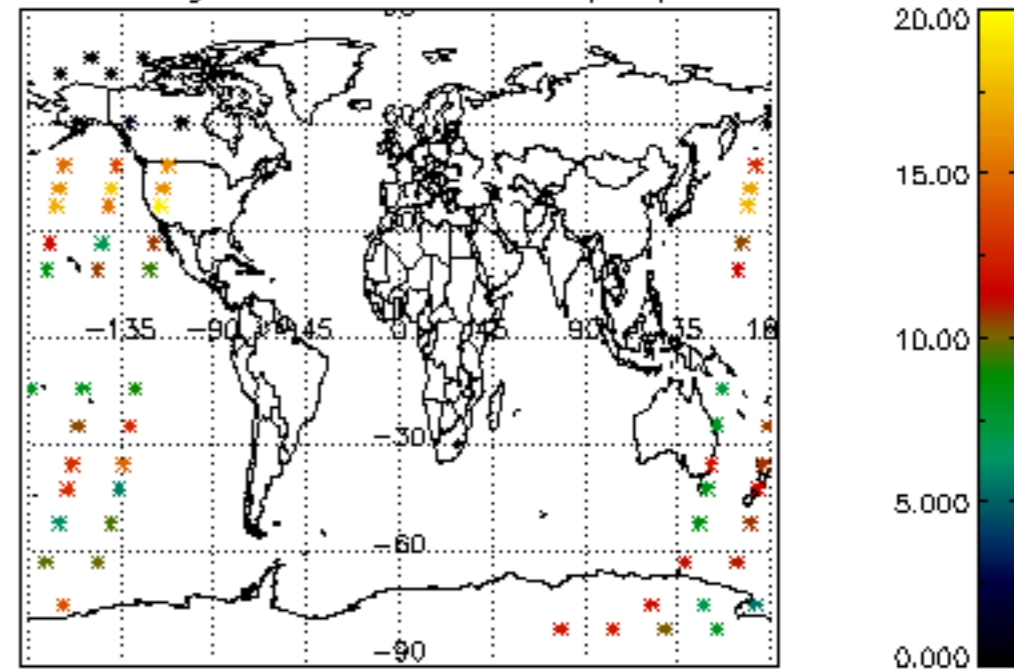
Percentage of datation errors per profile

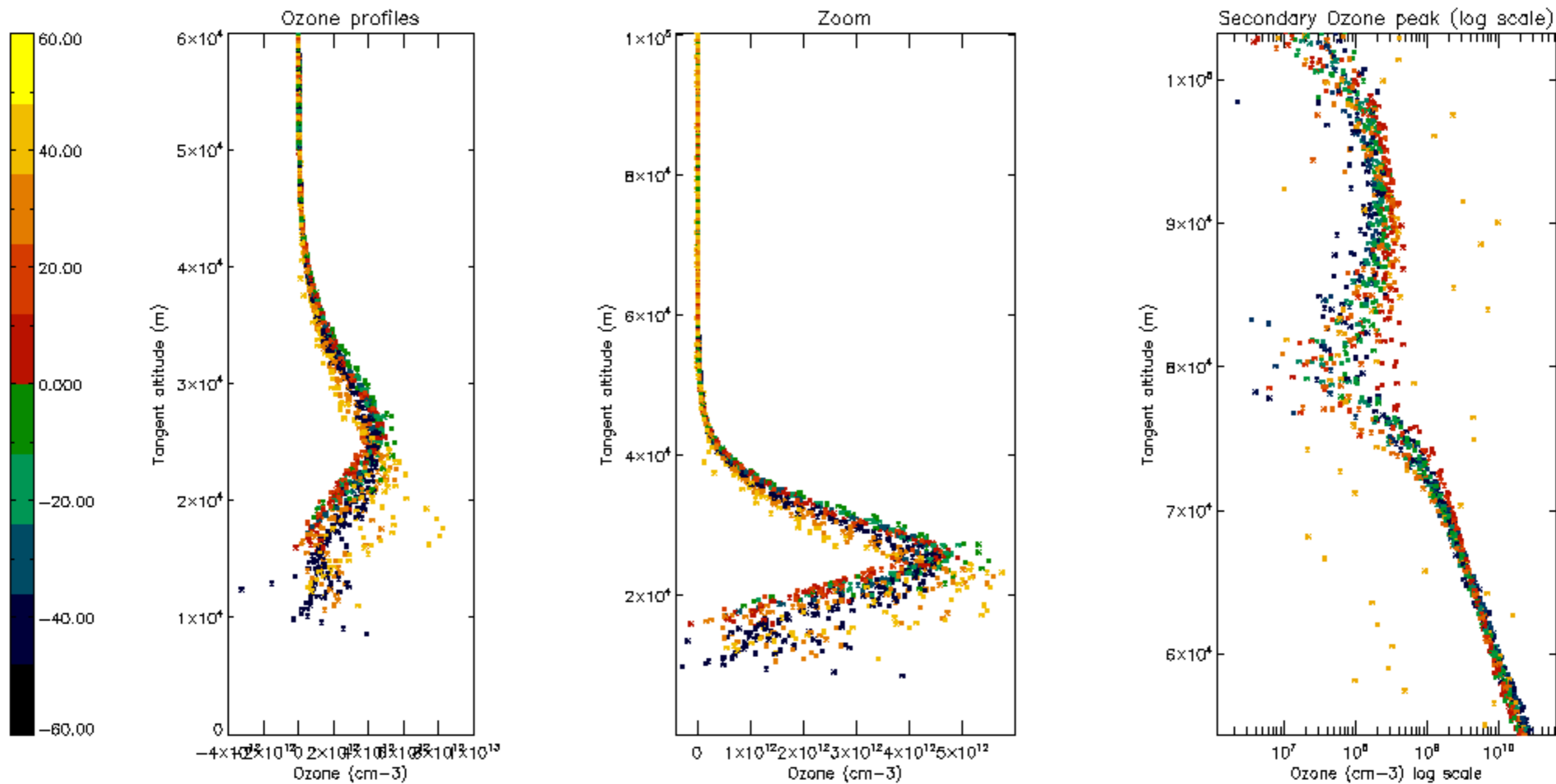


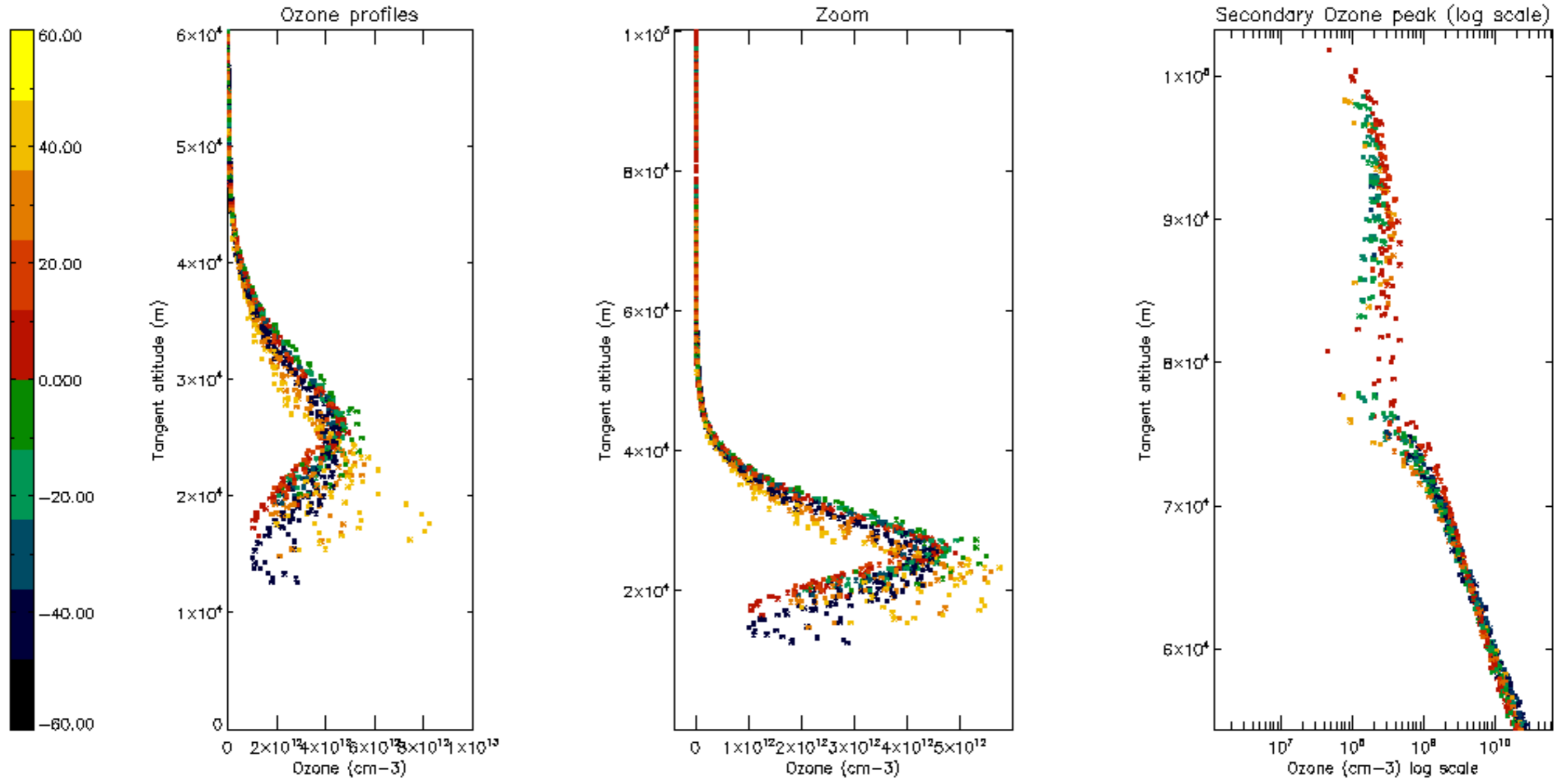
Percentage of star falling outside central band per profile



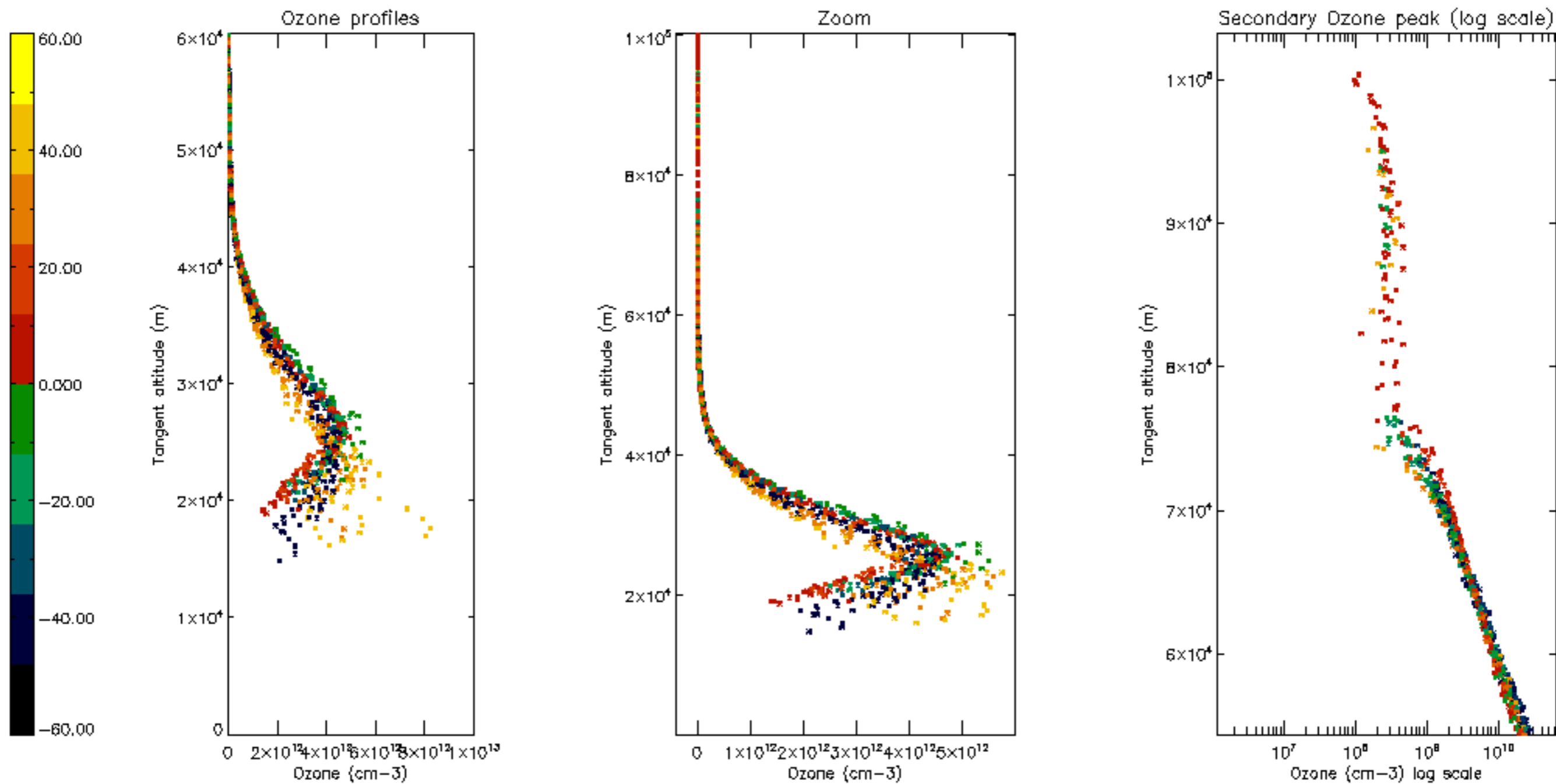
Percentage of saturation errors per profile

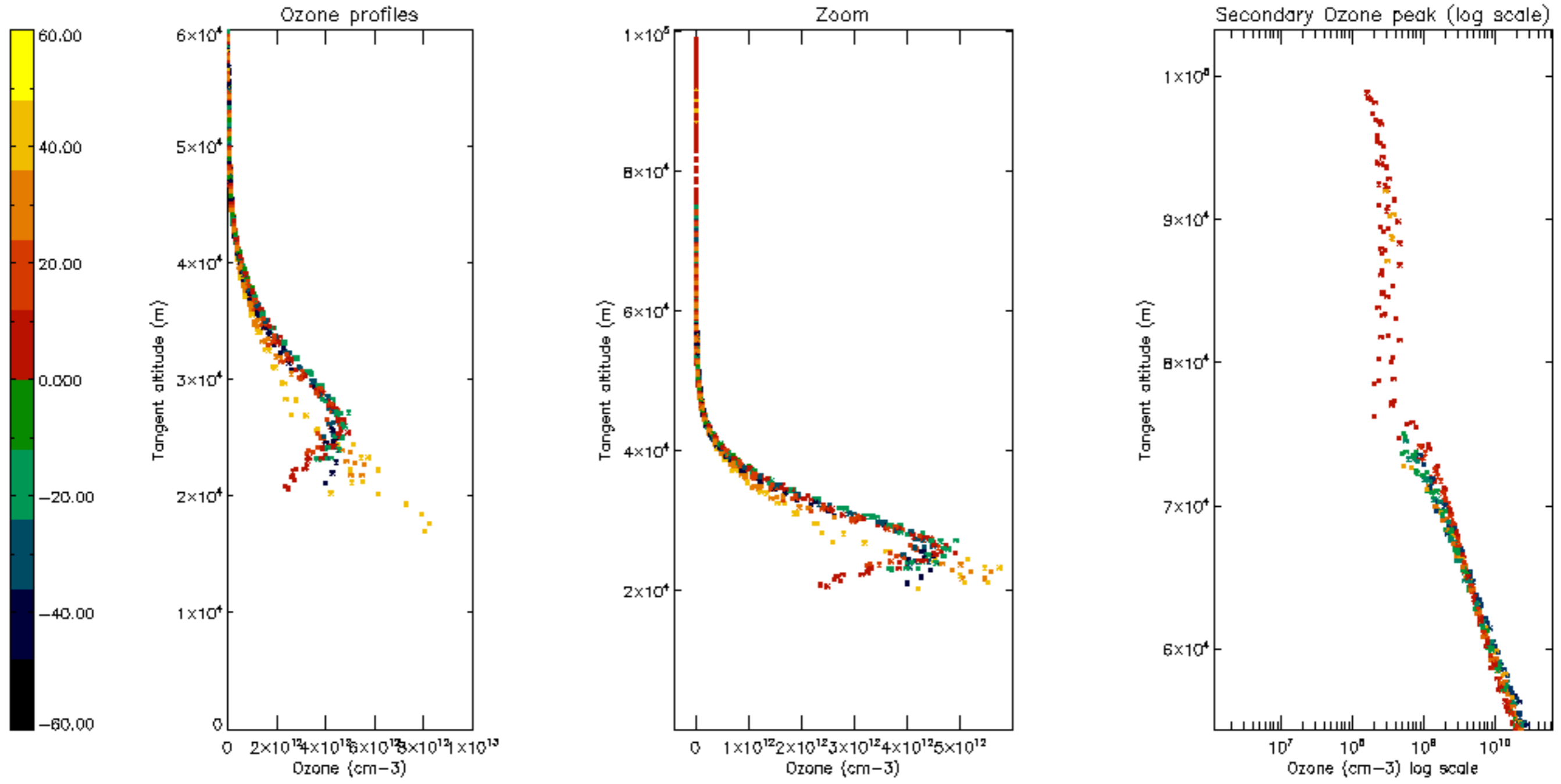


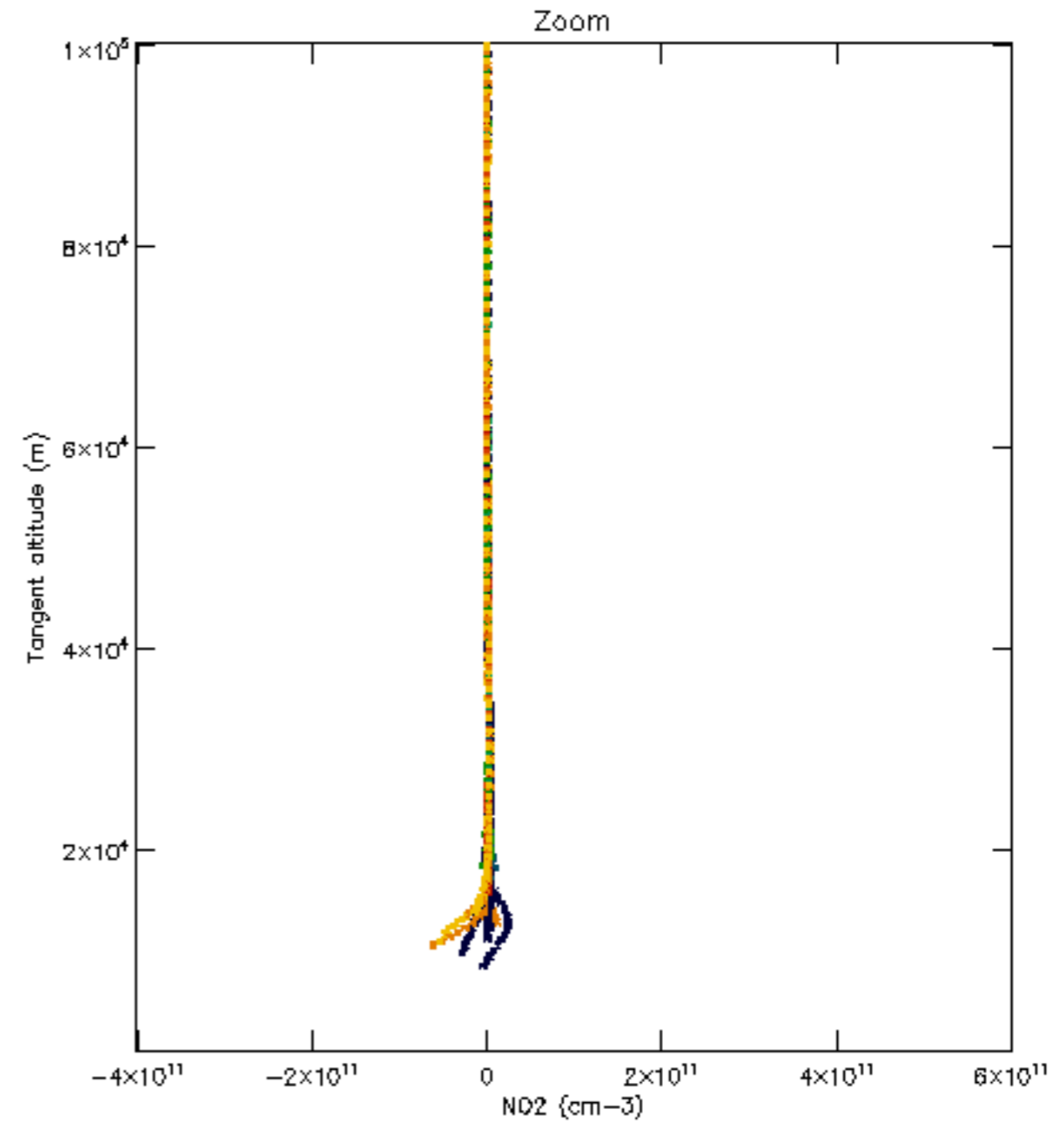
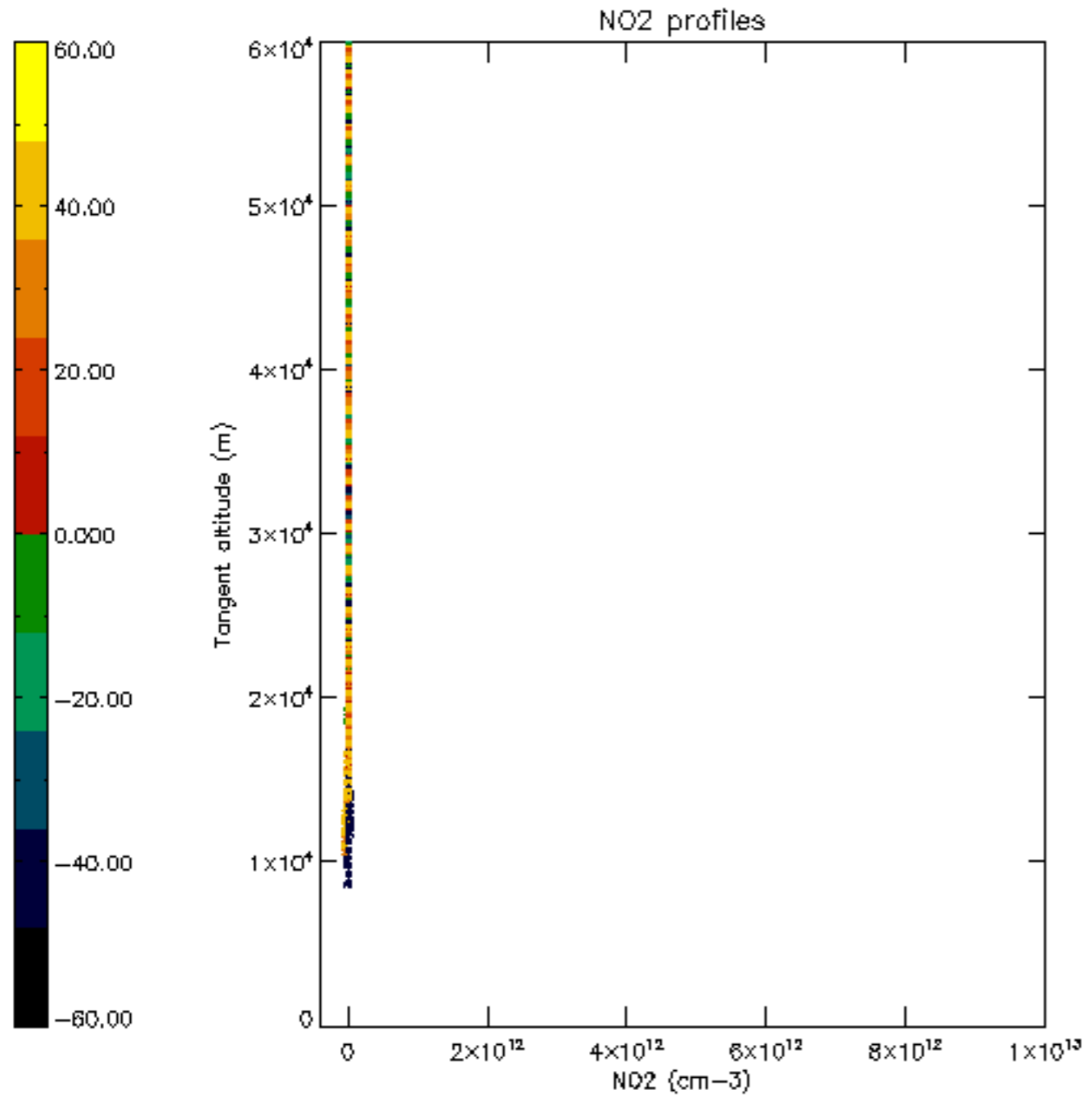


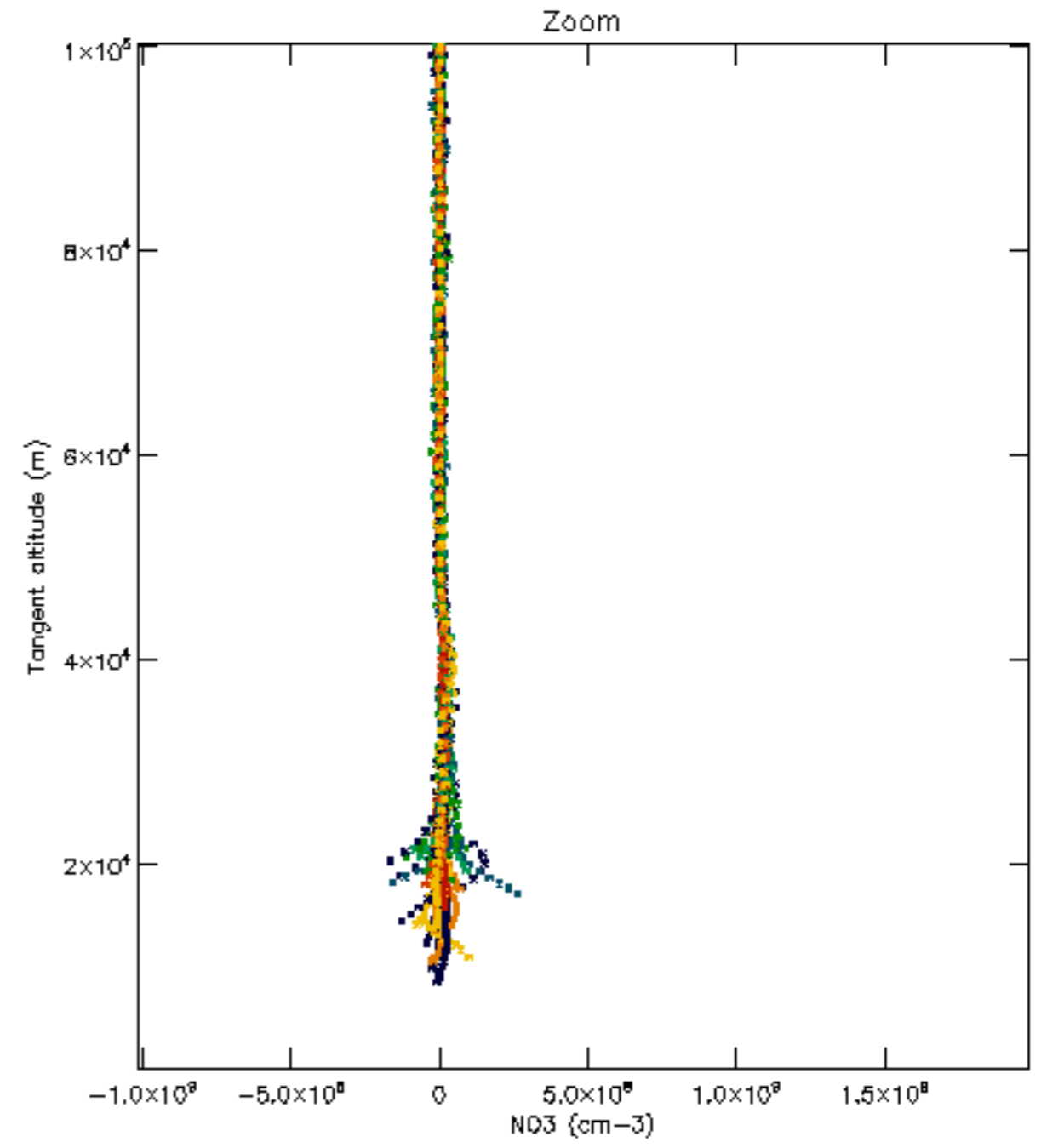
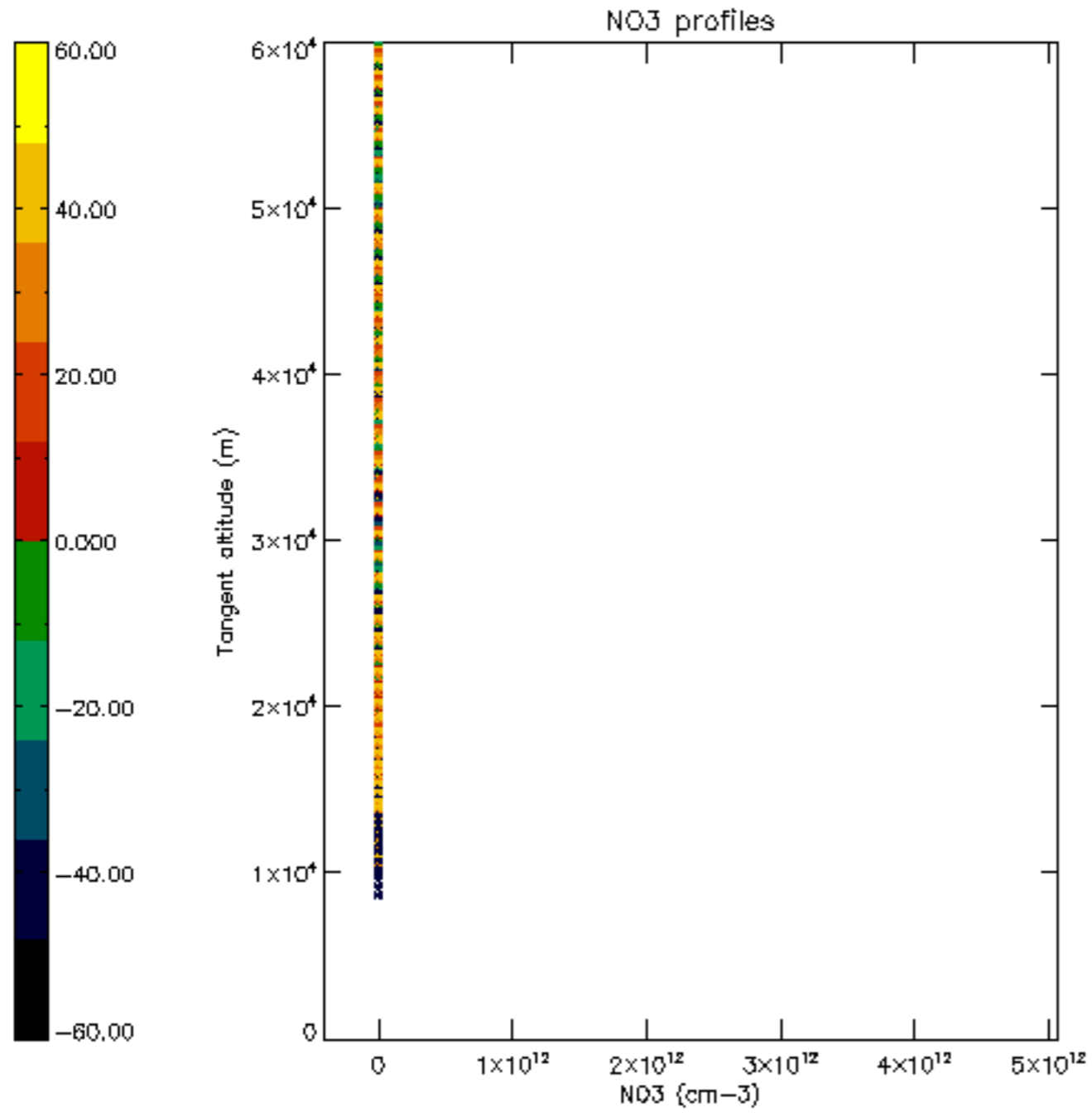


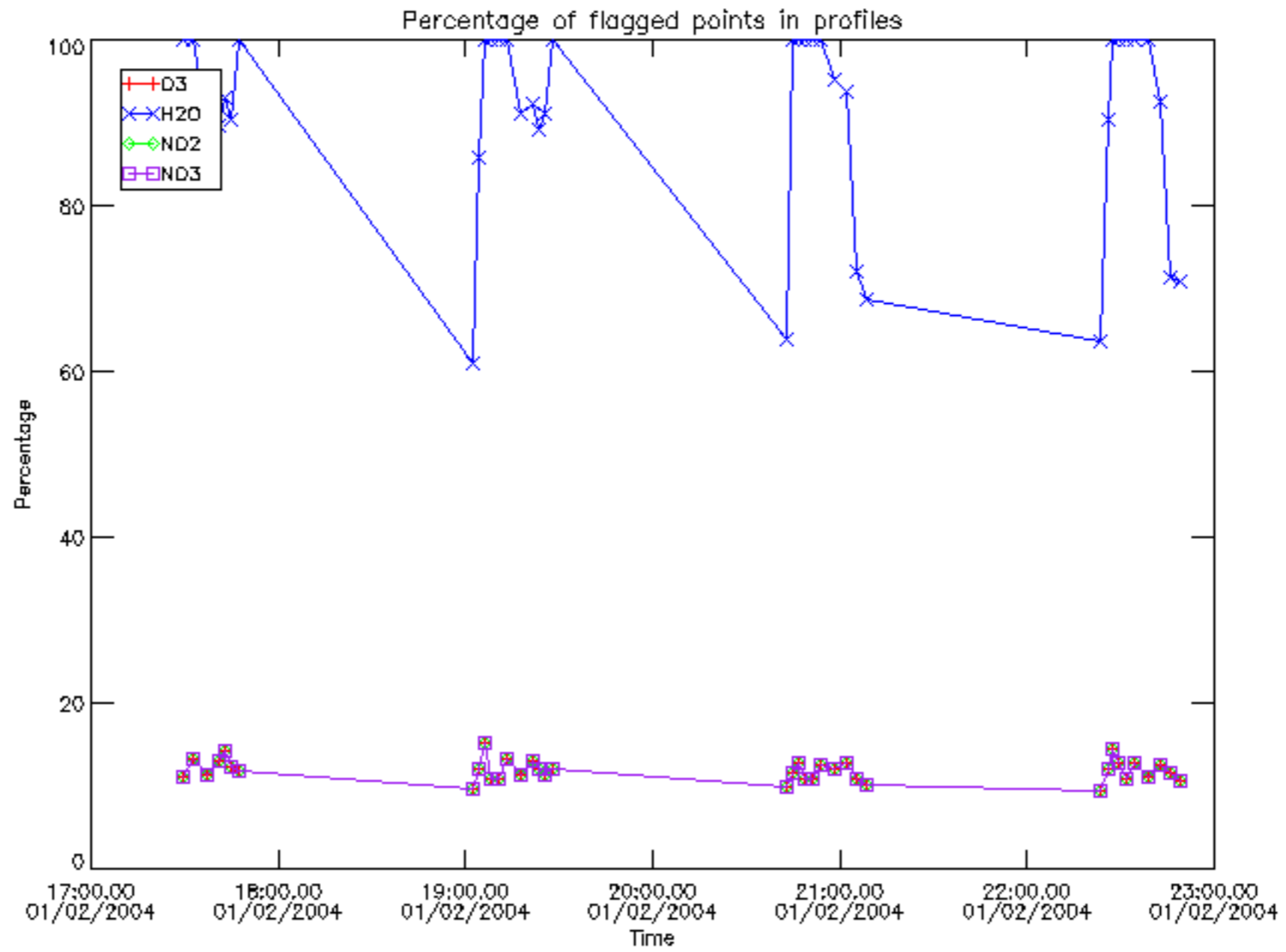




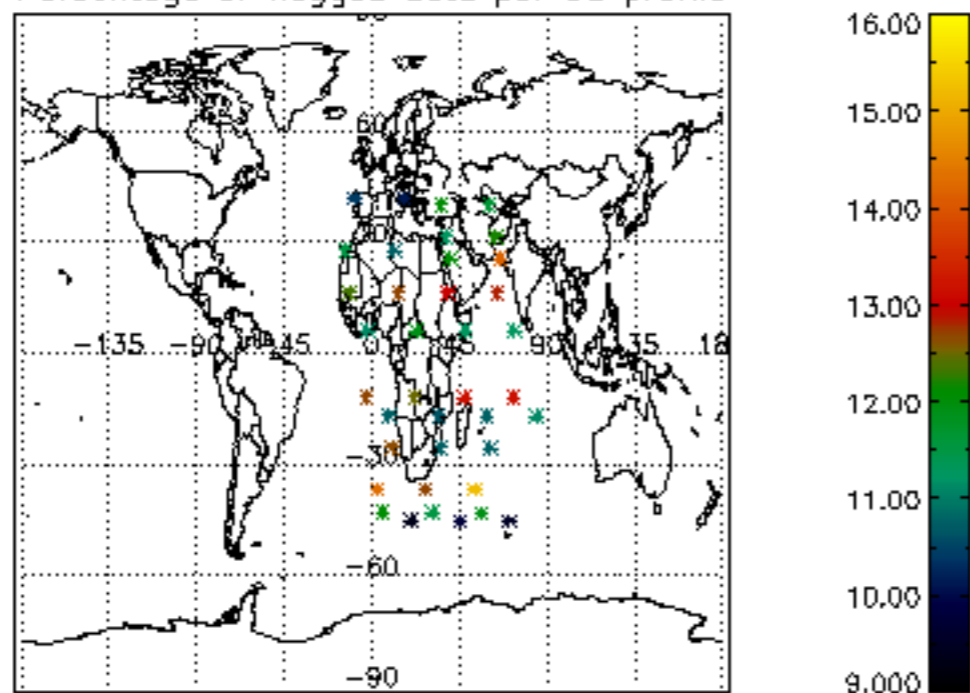




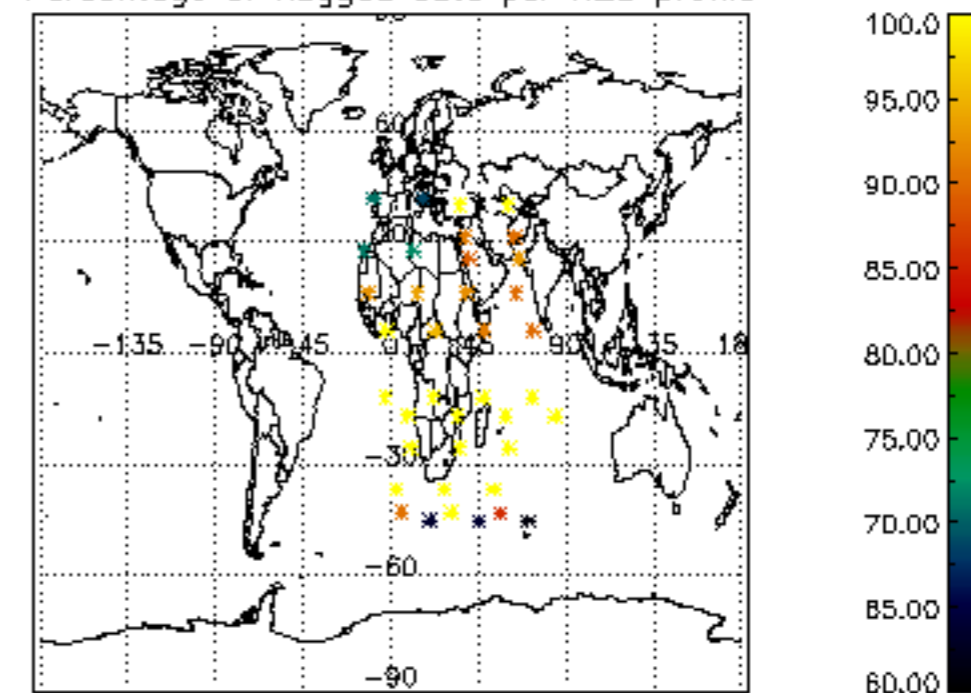




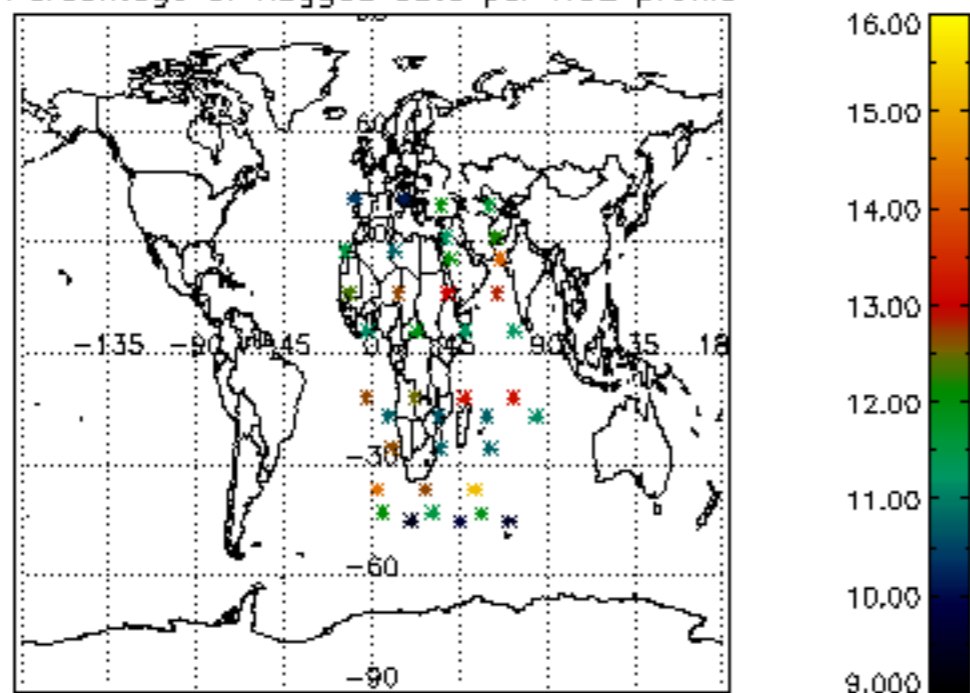
Percentage of flagged data per D3 profile



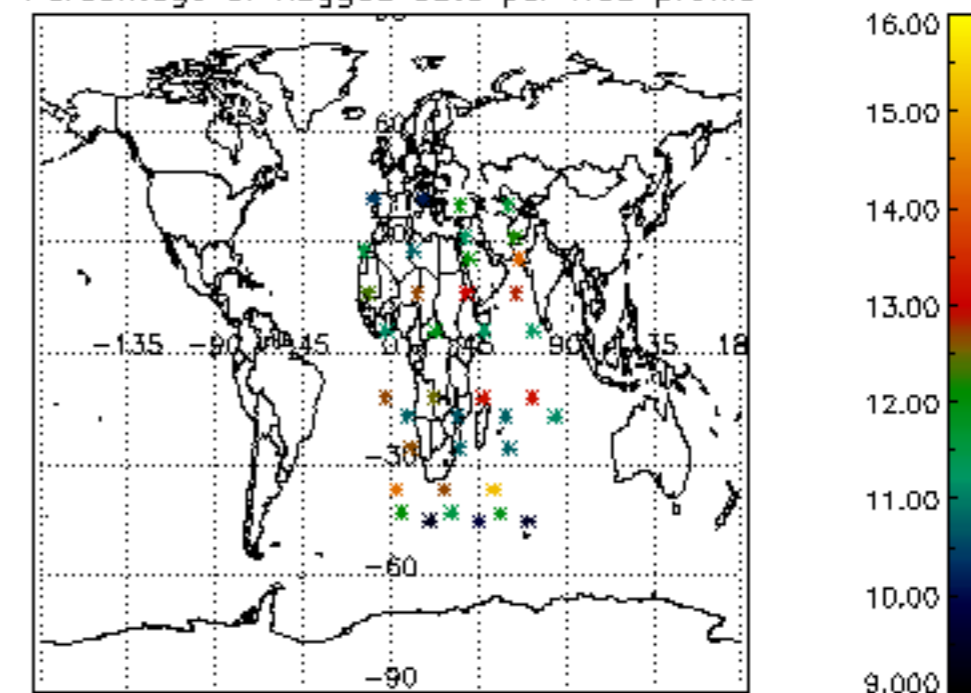
Percentage of flagged data per H2O profile

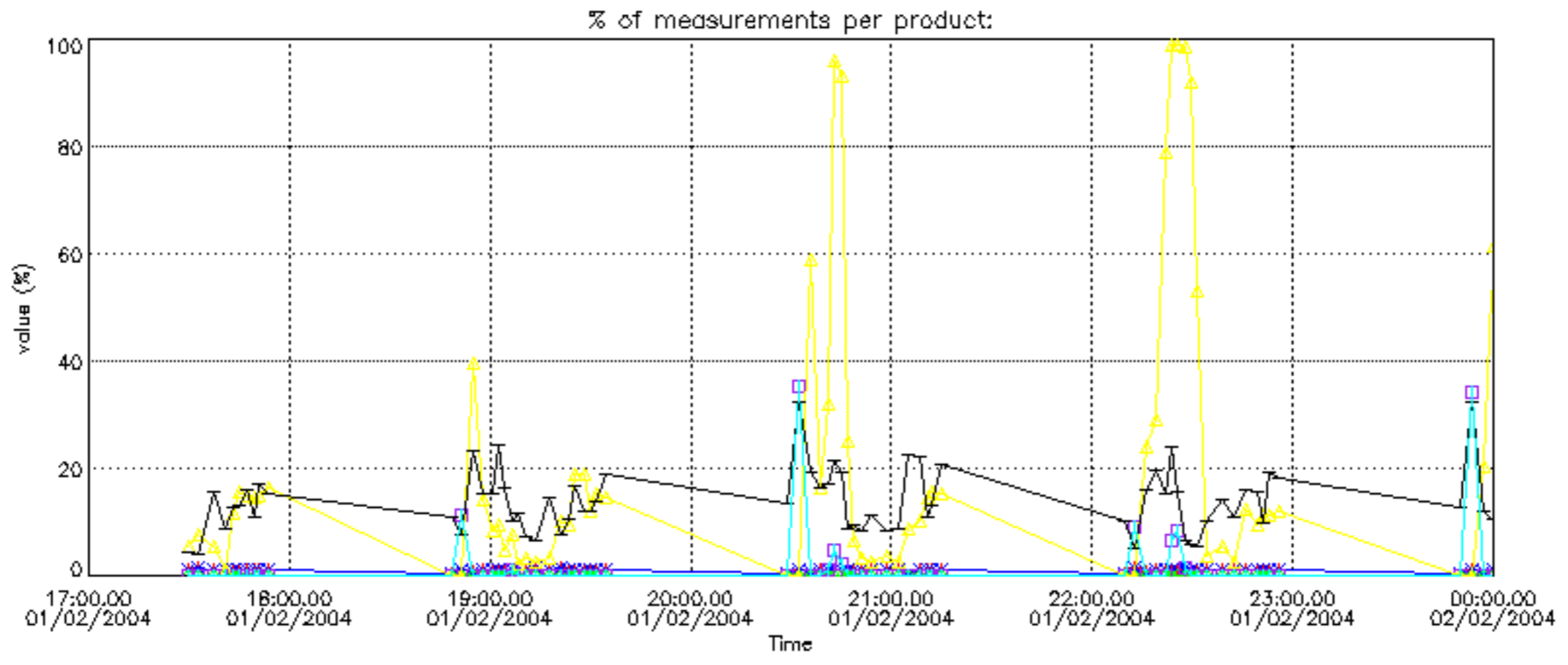


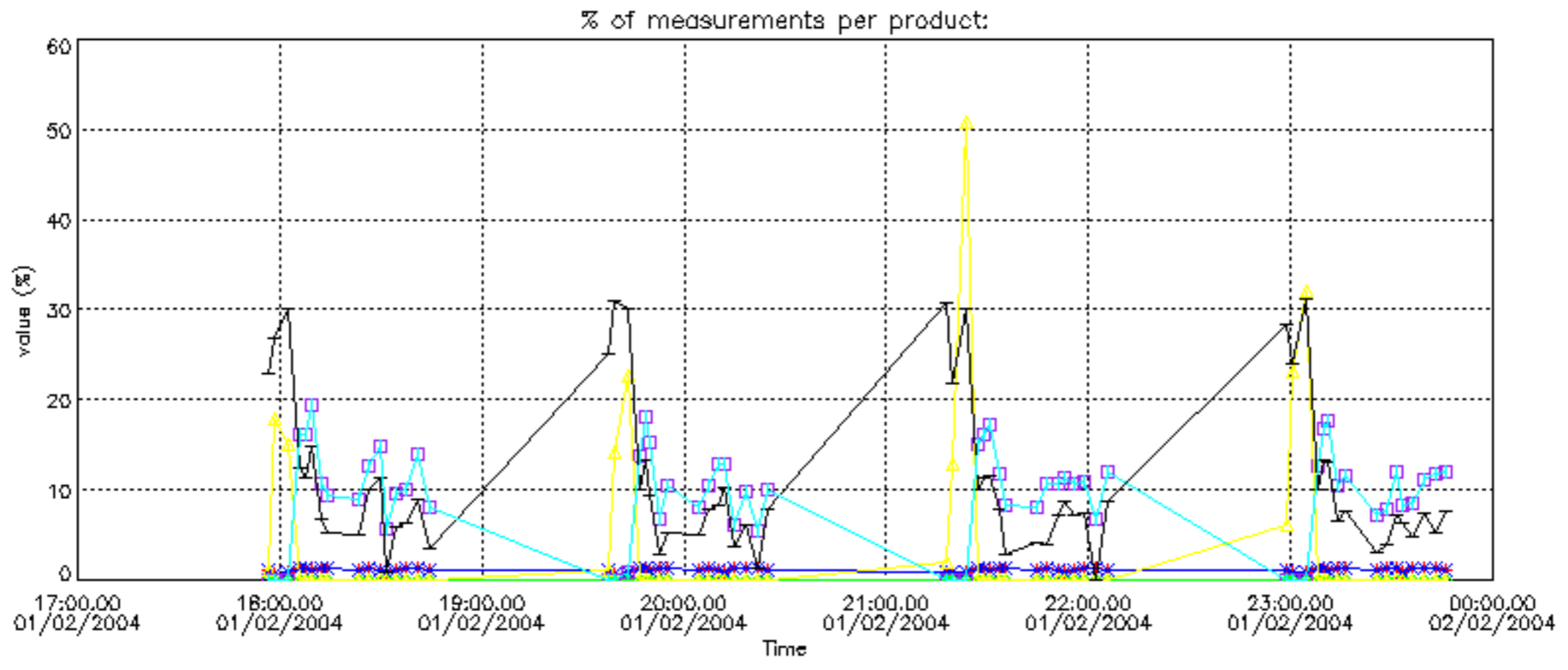
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

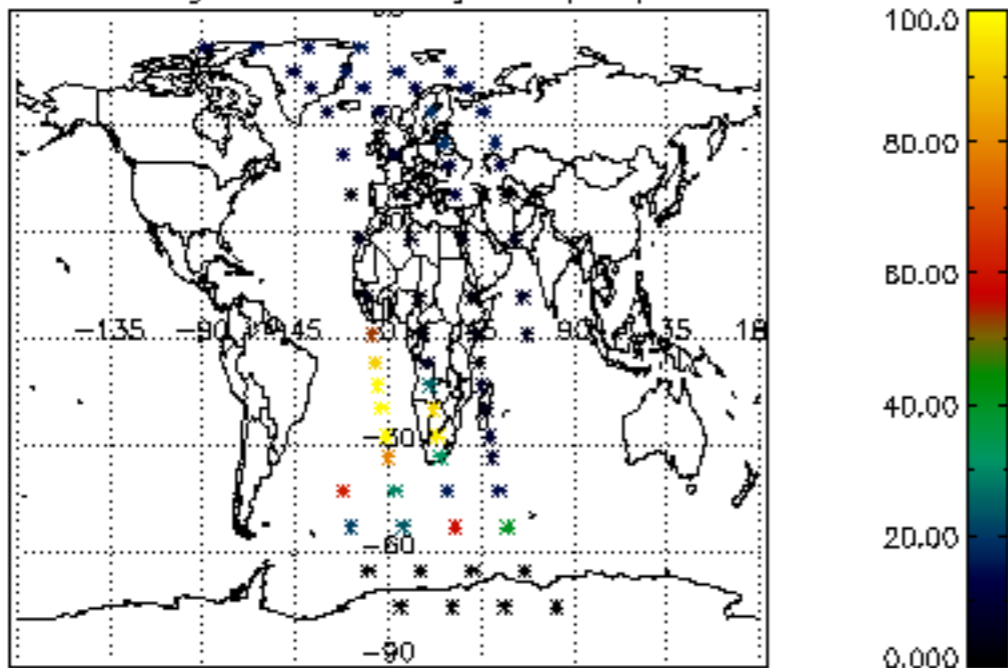




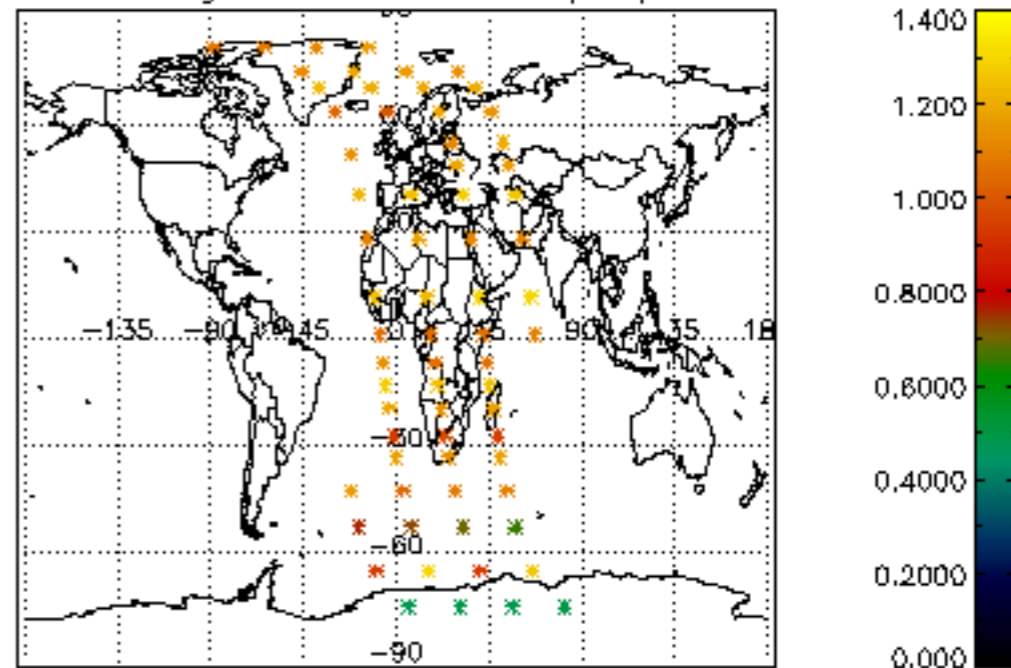




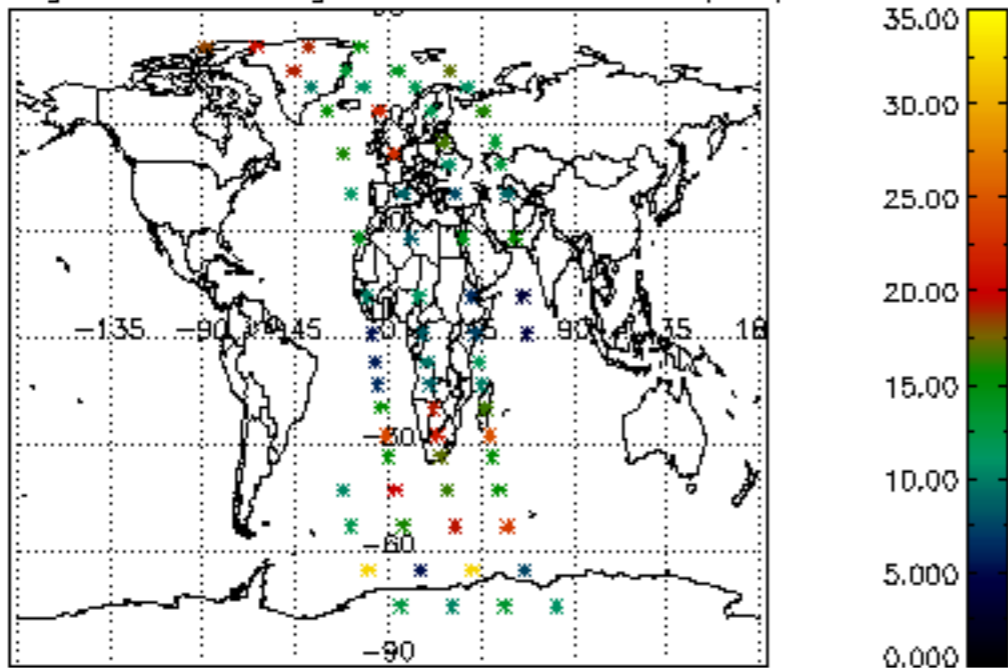
Percentage of cosmic ray hits per profile



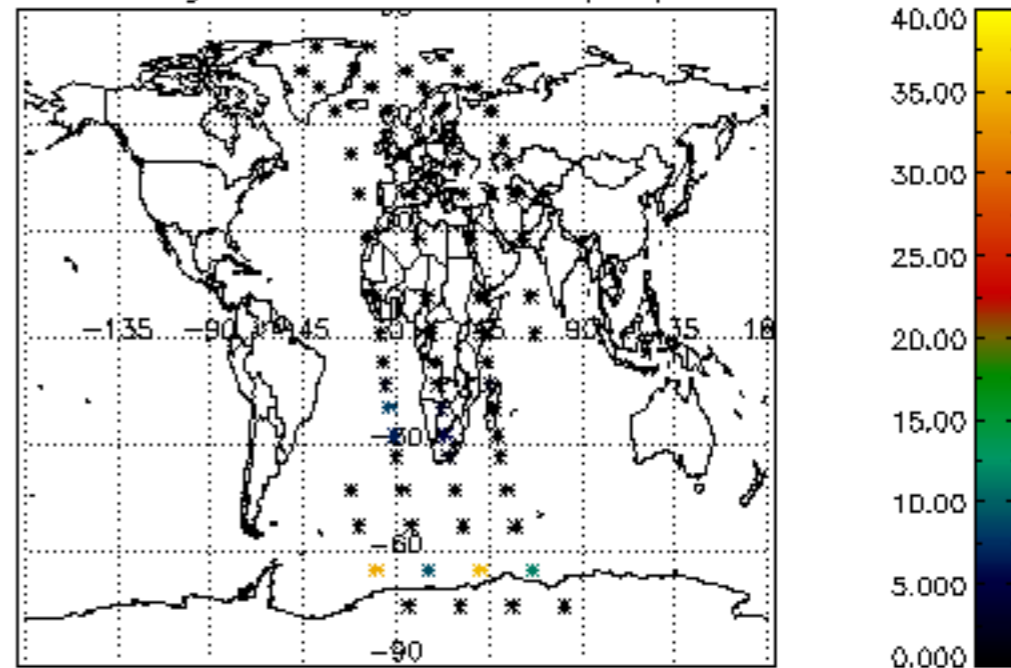
Percentage of datation errors per profile



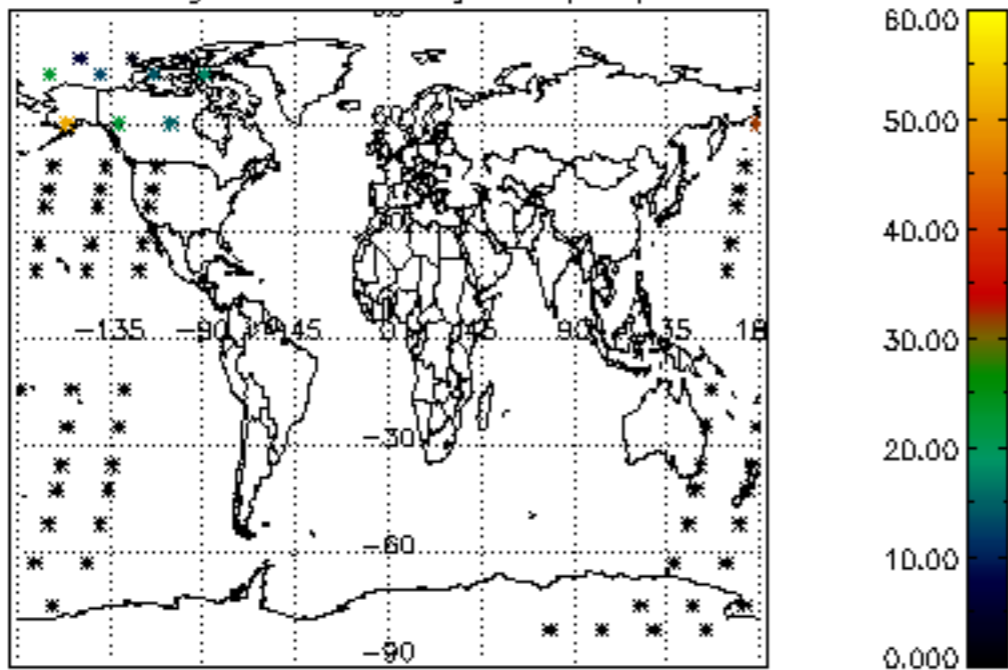
Percentage of star falling outside central band per profile



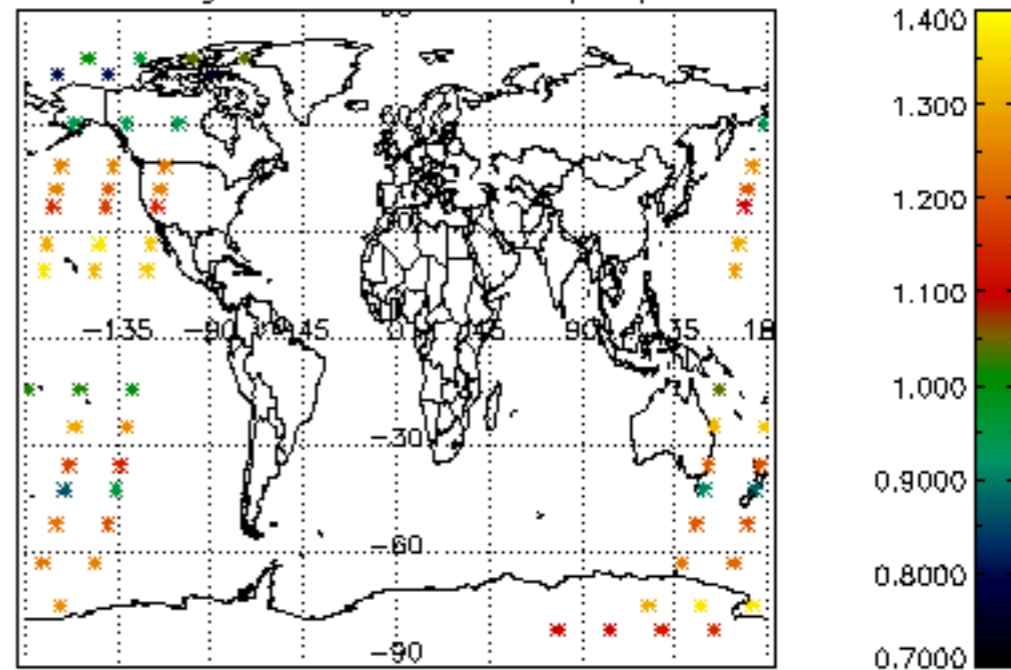
Percentage of saturation errors per profile



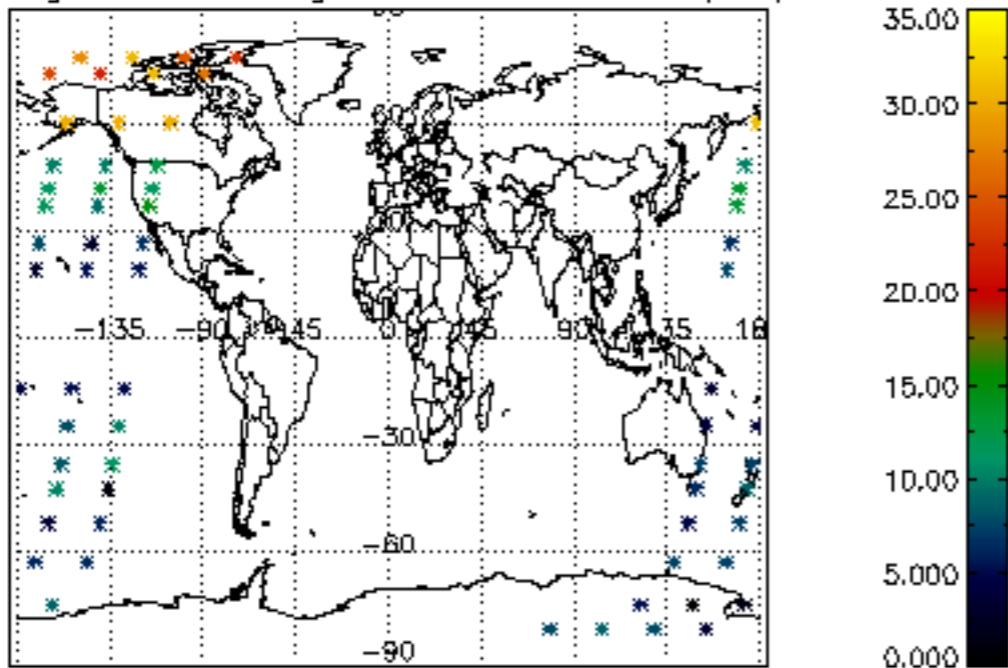
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

