

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](#)

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

[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	23APR2013 03:36:07
Data source version	GOMOS/6.01
Start time of products	05-09-2007 (05SEP2007 00:00:00)
Stop time of products	06-09-2007 (06SEP2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	153
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__2PRFIN20070905_001729_000002242061_00217_28828_3265.N1	05-SEP-2007 00:17:29	Straylight	224.00	165	34Gam Eri	2.9500	3200.0	448	28828	No
2	GOM_NL__2PRFIN20070905_010116_000000752061_00217_28828_3266.N1	05-SEP-2007 01:01:16	Bright	75.000	53	43Bet And	2.0480	3300.0	150	28828	No
3	GOM_NL__2PRFIN20070905_010729_000000872061_00217_28828_3267.N1	05-SEP-2007 01:07:29	Bright	86.500	73	57Gam1And	2.2600	13100.	173	28828	No
4	GOM_NL__2PRFIN20070905_011453_000001052061_00217_28828_3268.N1	05-SEP-2007 01:14:53	Bright	104.50	79	26Bet Per	2.3100	13100.	209	28828	No
5	GOM_NL__2PRFIN20070905_011842_000000862061_00217_28828_3269.N1	05-SEP-2007 01:18:42	Bright	85.500	149	45Eps Per	2.8880	30000.	171	28828	No
6	GOM_NL__2PRFIN20070905_012617_000002552061_00217_28828_3270.N1	05-SEP-2007 01:26:17	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28828	No
7	GOM_NL__2PRFIN20070905_013922_000001482061_00217_28828_3271.N1	05-SEP-2007 01:39:22	Dark	148.00	13	87Alp Tau	0.86700	3800.0	296	28828	No
8	GOM_NL__2PRFIN20070905_015810_000002242061_00218_28829_3284.N1	05-SEP-2007 01:58:10	Straylight	224.00	165	34Gam Eri	2.9500	3200.0	448	28829	No
9	GOM_NL__2PRFIN20070905_024149_000000872061_00218_28829_3285.N1	05-SEP-2007 02:41:49	Bright	87.000	53	43Bet And	2.0480	3300.0	174	28829	No
10	GOM_NL__2PRFIN20070905_024803_000000862061_00218_28829_3286.N1	05-SEP-2007 02:48:03	Bright	86.000	73	57Gam1And	2.2600	13100.	172	28829	No
11	GOM_NL__2PRFIN20070905_025527_000001022061_00218_28829_3287.N1	05-SEP-2007 02:55:27	Bright	102.00	79	26Bet Per	2.3100	13100.	204	28829	No
12	GOM_NL__2PRFIN20070905_025917_000000862061_00218_28829_3288.N1	05-SEP-2007 02:59:17	Bright	85.500	149	45Eps Per	2.8880	30000.	171	28829	No
13	GOM_NL__2PRFIN20070905_030654_000002552061_00218_28829_3289.N1	05-SEP-2007 03:06:54	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28829	No
14	GOM_NL__2PRFIN20070905_102150_000000402061_00223_28834_3347.N1	05-SEP-2007 10:21:50	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28834	No
15	GOM_NL__2PRFIN20070905_102309_000000482061_00223_28834_3348.N1	05-SEP-2007 10:23:09	Dark	48.000	9	Alp Eri	0.45300	24000.	96	28834	No
16	GOM_NL__2PRFIN20070905_103019_000000462061_00223_28834_3349.N1	05-SEP-2007 10:30:19	Straylight	45.500	63	Bet Gru	2.1500	2800.0	91	28834	No
17	GOM_NL__2PRFIN20070905_103456_000000472061_00223_28834_3350.N1	05-SEP-2007 10:34:56	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	28834	No
18	GOM_NL__2PRFIN20070905_103939_000000382061_00223_28834_3351.N1	05-SEP-2007 10:39:39	Bright	38.000	142	49Del Cap	2.8500	8900.0	76	28834	No
19	GOM_NL__2PRFIN20070905_104407_000000382061_00223_28834_3352.N1	05-SEP-2007 10:44:07	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	28834	No
20	GOM_NL__2PRFIN20070905_104706_000000382061_00223_28834_3353.N1	05-SEP-2007 10:47:06	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	28834	No
21	GOM_NL__2PRFIN20070905_105348_000000432061_00223_28834_3354.N1	05-SEP-2007 10:53:48	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	28834	No
22	GOM_NL__2PRFIN20070905_110203_000000372061_00223_28834_3355.N1	05-SEP-2007 11:02:03	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28834	No
23	GOM_NL__2PRFIN20070905_110945_000000372061_00223_28834_3356.N1	05-SEP-2007 11:09:45	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28834	No
24	GOM_NL__2PRFIN20070905_112652_000000562061_00223_28834_3357.N1	05-SEP-2007 11:26:52	Bright	56.000	24	66Alp Gem	1.5800	10200.	112	28834	No
25	GOM_NL__2PRFIN20070905_113445_000000492061_00223_28834_3358.N1	05-SEP-2007 11:34:45	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	28834	No
26	GOM_NL__2PRFIN20070905_114243_000000502061_00223_28834_3359.N1	05-SEP-2007 11:42:43	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	28834	No
27	GOM_NL__2PRFIN20070905_114523_000000462061_00223_28834_3360.N1	05-SEP-2007 11:45:23	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28834	No
28	GOM_NL__2PRFIN20070905_114650_000000442061_00223_28834_3361.N1	05-SEP-2007 11:46:50	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	28834	No
29	GOM_NL__2PRFIN20070905_115018_000000472061_00223_28834_3362.N1	05-SEP-2007 11:50:18	Dark	46.500	108	Alp Col	2.6520	15200.	93	28834	No
30	GOM_NL__2PRFIN20070905_115203_000000432061_00223_28834_3363.N1	05-SEP-2007 11:52:03	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	28834	No
31	GOM_NL__2PRFIN20070905_120226_000000412061_00224_28835_3367.N1	05-SEP-2007 12:02:26	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28835	No
32	GOM_NL__2PRFIN20070905_120346_000000442061_00224_28835_3368.N1	05-SEP-2007 12:03:46	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28835	No
33	GOM_NL__2PRFIN20070905_121055_000000422061_00224_28835_3369.N1	05-SEP-2007 12:10:55	Straylight	42.000	63	Bet Gru	2.1500	2800.0	84	28835	No
34	GOM_NL__2PRFIN20070905_121532_000000462061_00224_28835_3370.N1	05-SEP-2007 12:15:32	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28835	No
35	GOM_NL__2PRFIN20070905_122015_000000382061_00224_28835_3371.N1	05-SEP-2007 12:20:15	Bright	37.500	142	49Del Cap	2.8500	8900.0	75	28835	No
36	GOM_NL__2PRFIN20070905_122443_000000392061_00224_28835_3372.N1	05-SEP-2007 12:24:43	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	28835	No
37	GOM_NL__2PRFIN20070905_122742_000000372061_00224_28835_3373.N1	05-SEP-2007 12:27:42	Bright	36.500	61	8Eps Peg	2.1000	3900.0	73	28835	No
38	GOM_NL__2PRFIN20070905_123424_000000412061_00224_28835_3374.N1	05-SEP-2007 12:34:24	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	28835	No
39	GOM_NL__2PRFIN20070905_124239_000000382061_00224_28835_3375.N1	05-SEP-2007 12:42:39	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28835	No
40	GOM_NL__2PRFIN20070905_125021_000000372061_00224_28835_3376.N1	05-SEP-2007 12:50:21	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28835	No
41	GOM_NL__2PRFIN20070905_130728_000000402061_00224_28835_3377.N1	05-SEP-2007 13:07:28	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	28835	No
42	GOM_NL__2PRFIN20070905_131521_000000502061_00224_28835_3378.N1	05-SEP-2007 13:15:21	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	28835	No

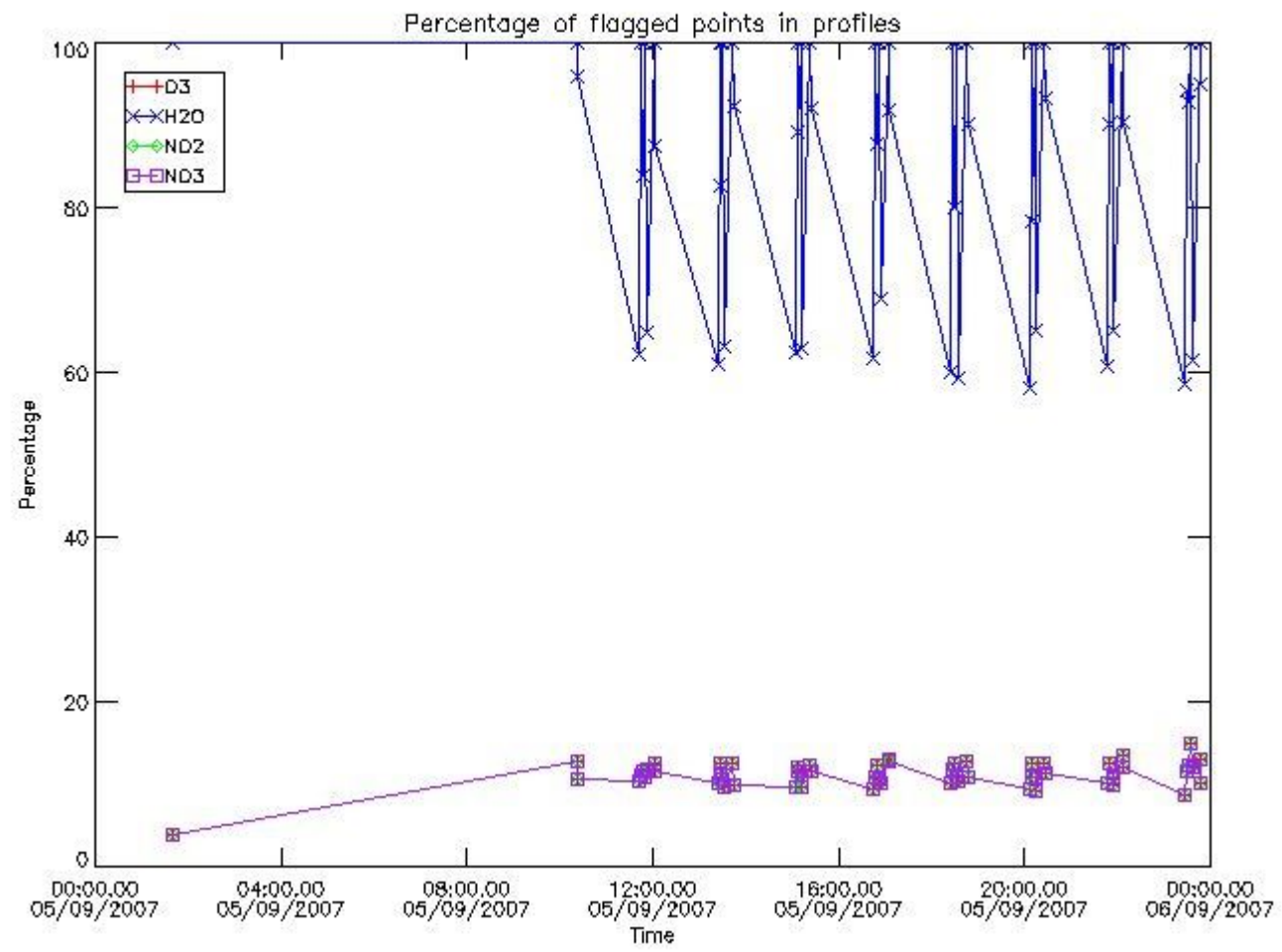
43	GOM_NL__2PRFIN20070905_132320_000000512061_00224_28835_3379.N1	05-SEP-2007 13:23:20	Dark	50.500	1	9Alp CMa	-1.4400	11000.	101	28835	No
44	GOM_NL__2PRFIN20070905_132559_000000452061_00224_28835_3380.N1	05-SEP-2007 13:25:59	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	28835	No
45	GOM_NL__2PRFIN20070905_132726_000000412061_00224_28835_3381.N1	05-SEP-2007 13:27:26	Dark	41.000	117	Pi Pup	2.7060	3800.0	82	28835	No
46	GOM_NL__2PRFIN20070905_133055_000000482061_00224_28835_3382.N1	05-SEP-2007 13:30:55	Dark	48.000	108	Alp Col	2.6520	15200.	96	28835	No
47	GOM_NL__2PRFIN20070905_133239_000000542061_00224_28835_3383.N1	05-SEP-2007 13:32:39	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28835	No
48	GOM_NL__2PRFIN20070905_134302_000000412061_00225_28836_3372.N1	05-SEP-2007 13:43:02	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	28836	No
49	GOM_NL__2PRFIN20070905_134422_000000522061_00225_28836_3373.N1	05-SEP-2007 13:44:22	Dark	52.000	9	Alp Eri	0.45300	24000.	104	28836	No
50	GOM_NL__2PRFIN20070905_135131_000000502061_00225_28836_3374.N1	05-SEP-2007 13:51:31	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	28836	No
51	GOM_NL__2PRFIN20070905_135608_000000452061_00225_28836_3375.N1	05-SEP-2007 13:56:08	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	28836	No
52	GOM_NL__2PRFIN20070905_140051_000000392061_00225_28836_3376.N1	05-SEP-2007 14:00:51	Bright	38.500	142	49Del Cap	2.8500	8900.0	77	28836	No
53	GOM_NL__2PRFIN20070905_140519_000000392061_00225_28836_3377.N1	05-SEP-2007 14:05:19	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	28836	No
54	GOM_NL__2PRFIN20070905_140818_000000372061_00225_28836_3378.N1	05-SEP-2007 14:08:18	Bright	36.500	61	8Eps Peg	2.1000	3900.0	73	28836	No
55	GOM_NL__2PRFIN20070905_141459_000000412061_00225_28836_3379.N1	05-SEP-2007 14:14:59	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	28836	No
56	GOM_NL__2PRFIN20070905_142315_000000362061_00225_28836_3380.N1	05-SEP-2007 14:23:15	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	28836	No
57	GOM_NL__2PRFIN20070905_143057_000000342061_00225_28836_3381.N1	05-SEP-2007 14:30:57	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	28836	No
58	GOM_NL__2PRFIN20070905_144804_000000392061_00225_28836_3382.N1	05-SEP-2007 14:48:04	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	28836	No
59	GOM_NL__2PRFIN20070905_145558_000000512061_00225_28836_3383.N1	05-SEP-2007 14:55:58	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	28836	No
60	GOM_NL__2PRFIN20070905_150357_000000542061_00225_28836_3384.N1	05-SEP-2007 15:03:57	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	28836	No
61	GOM_NL__2PRFIN20070905_150636_000000442061_00225_28836_3385.N1	05-SEP-2007 15:06:36	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28836	No
62	GOM_NL__2PRFIN20070905_150803_000000422061_00225_28836_3386.N1	05-SEP-2007 15:08:03	Dark	42.000	117	Pi Pup	2.7060	3800.0	84	28836	No
63	GOM_NL__2PRFIN20070905_151131_000000462061_00225_28836_3387.N1	05-SEP-2007 15:11:31	Dark	46.000	108	Alp Col	2.6520	15200.	92	28836	No
64	GOM_NL__2PRFIN20070905_151316_000000532061_00225_28836_3388.N1	05-SEP-2007 15:13:16	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	28836	No
65	GOM_NL__2PRFIN20070905_152339_000000422061_00226_28837_3400.N1	05-SEP-2007 15:23:39	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	28837	No
66	GOM_NL__2PRFIN20070905_152459_000000452061_00226_28837_3401.N1	05-SEP-2007 15:24:59	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28837	No
67	GOM_NL__2PRFIN20070905_153208_000000502061_00226_28837_3402.N1	05-SEP-2007 15:32:08	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	28837	No
68	GOM_NL__2PRFIN20070905_153644_000000462061_00226_28837_3403.N1	05-SEP-2007 15:36:44	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28837	No
69	GOM_NL__2PRFIN20070905_154127_000000402061_00226_28837_3404.N1	05-SEP-2007 15:41:27	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	28837	No
70	GOM_NL__2PRFIN20070905_154554_000000392061_00226_28837_3405.N1	05-SEP-2007 15:45:54	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	28837	No
71	GOM_NL__2PRFIN20070905_154853_000000372061_00226_28837_3406.N1	05-SEP-2007 15:48:53	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28837	No
72	GOM_NL__2PRFIN20070905_155535_000000412061_00226_28837_3407.N1	05-SEP-2007 15:55:35	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	28837	No
73	GOM_NL__2PRFIN20070905_160350_000000372061_00226_28837_3408.N1	05-SEP-2007 16:03:50	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28837	No
74	GOM_NL__2PRFIN20070905_161133_000000372061_00226_28837_3409.N1	05-SEP-2007 16:11:33	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28837	No
75	GOM_NL__2PRFIN20070905_162840_000000402061_00226_28837_3410.N1	05-SEP-2007 16:28:40	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	28837	No
76	GOM_NL__2PRFIN20070905_163634_000000472061_00226_28837_3411.N1	05-SEP-2007 16:36:34	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	28837	No
77	GOM_NL__2PRFIN20070905_164433_000000542061_00226_28837_3412.N1	05-SEP-2007 16:44:33	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	28837	No
78	GOM_NL__2PRFIN20070905_164712_000000472061_00226_28837_3413.N1	05-SEP-2007 16:47:12	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	28837	No
79	GOM_NL__2PRFIN20070905_164839_000000462061_00226_28837_3414.N1	05-SEP-2007 16:48:39	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	28837	No
80	GOM_NL__2PRFIN20070905_165208_000000492061_00226_28837_3415.N1	05-SEP-2007 16:52:08	Dark	48.500	108	Alp Col	2.6520	15200.	97	28837	No
81	GOM_NL__2PRFIN20070905_165352_000000552061_00226_28837_3416.N1	05-SEP-2007 16:53:52	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	28837	No
82	GOM_NL__2PRFIN20070905_170415_000000402061_00227_28838_3428.N1	05-SEP-2007 17:04:15	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28838	No
83	GOM_NL__2PRFIN20070905_170535_000000442061_00227_28838_3429.N1	05-SEP-2007 17:05:35	Dark	43.500	9	Alp Eri	0.45300	24000.	87	28838	No
84	GOM_NL__2PRFIN20070905_171244_000000442061_00227_28838_3430.N1	05-SEP-2007 17:12:44	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	28838	No
85	GOM_NL__2PRFIN20070905_171721_000000462061_00227_28838_3431.N1	05-SEP-2007 17:17:21	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28838	No
86	GOM_NL__2PRFIN20070905_172203_000000452061_00227_28838_3432.N1	05-SEP-2007 17:22:03	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	28838	No
87	GOM_NL__2PRFIN20070905_172631_000000392061_00227_28838_3433.N1	05-SEP-2007 17:26:31	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	28838	No
88	GOM_NL__2PRFIN20070905_172929_000000372061_00227_28838_3434.N1	05-SEP-2007 17:29:29	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28838	No
89	GOM_NL__2PRFIN20070905_173610_000000402061_00227_28838_3435.N1	05-SEP-2007 17:36:10	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	28838	No
90	GOM_NL__2PRFIN20070905_174426_000000372061_00227_28838_3436.N1	05-SEP-2007 17:44:26	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28838	No
91	GOM_NL__2PRFIN20070905_175209_000000372061_00227_28838_3437.N1	05-SEP-2007 17:52:09	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28838	No
92	GOM_NL__2PRFIN20070905_180916_000000402061_00227_28838_3438.N1	05-SEP-2007 18:09:16	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	28838	No
93	GOM_NL__2PRFIN20070905_181710_000000522061_00227_28838_3439.N1	05-SEP-2007 18:17:10	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	28838	No
94	GOM_NL__2PRFIN20070905_182510_000000512061_00227_28838_3440.N1	05-SEP-2007 18:25:10	Dark	50.500	1	9Alp CMa	-1.4400	11000.	101	28838	No
95	GOM_NL__2PRFIN20070905_182749_000000432061_00227_28838_3441.N1	05-SEP-2007 18:27:49	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	28838	No
96	GOM_NL__2PRFIN20070905_182916_000000412061_00227_28838_3442.N1	05-SEP-2007 18:29:16	Dark	40.500	117	Pi Pup	2.7060	3800.0	81	28838	No
97	GOM_NL__2PRFIN20070905_183245_000000472061_00227_28838_3443.N1	05-SEP-2007 18:32:45	Dark	46.500	108	Alp Col	2.6520	15200.	93	28838	No
98	GOM_NL__2PRFIN20070905_183429_000000502061_00227_28838_3444.N1	05-SEP-2007 18:34:29	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	28838	No
99	GOM_NL__2PRFIN20070905_184452_000000402061_00228_28839_3437.N1	05-SEP-2007 18:44:52	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28839	No
100	GOM_NL__2PRFIN20070905_184612_000000462061_00228_28839_3438.N1	05-SEP-2007 18:46:12	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28839	No
101	GOM_NL__2PRFIN20070905_185320_000000492061_00228_28839_3439.N1	05-SEP-2007 18:53:20	Straylight	49.000	63	Bet Gru	2.1500	2800.0	98	28839	No

102	GOM_NL__2PRFIN20070905_185757_000000462061_00228_28839_3440.N1	05-SEP-2007 18:57:57	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28839	No
103	GOM_NL__2PRFIN20070905_190239_000000492061_00228_28839_3441.N1	05-SEP-2007 19:02:39	Bright	48.500	142	49Del Cap	2.8500	8900.0	97	28839	No
104	GOM_NL__2PRFIN20070905_190707_000000382061_00228_28839_3442.N1	05-SEP-2007 19:07:07	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	28839	No
105	GOM_NL__2PRFIN20070905_191005_000000372061_00228_28839_3443.N1	05-SEP-2007 19:10:05	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28839	No
106	GOM_NL__2PRFIN20070905_191646_000000422061_00228_28839_3444.N1	05-SEP-2007 19:16:46	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	28839	No
107	GOM_NL__2PRFIN20070905_192502_000000372061_00228_28839_3445.N1	05-SEP-2007 19:25:02	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28839	No
108	GOM_NL__2PRFIN20070905_193245_000000372061_00228_28839_3446.N1	05-SEP-2007 19:32:45	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28839	No
109	GOM_NL__2PRFIN20070905_194952_000000392061_00228_28839_3447.N1	05-SEP-2007 19:49:52	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	28839	No
110	GOM_NL__2PRFIN20070905_195747_000000492061_00228_28839_3448.N1	05-SEP-2007 19:57:47	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	28839	No
111	GOM_NL__2PRFIN20070905_200547_000000542061_00228_28839_3449.N1	05-SEP-2007 20:05:47	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	28839	No
112	GOM_NL__2PRFIN20070905_200825_000000412061_00228_28839_3450.N1	05-SEP-2007 20:08:25	Dark	41.000	23	21Eps CMa	1.5020	26000.	82	28839	No
113	GOM_NL__2PRFIN20070905_200952_000000472061_00228_28839_3451.N1	05-SEP-2007 20:09:52	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	28839	No
114	GOM_NL__2PRFIN20070905_201322_000000472061_00228_28839_3452.N1	05-SEP-2007 20:13:22	Dark	47.000	108	Alp Col	2.6520	15200.	94	28839	No
115	GOM_NL__2PRFIN20070905_201505_000000552061_00228_28839_3453.N1	05-SEP-2007 20:15:05	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	28839	No
116	GOM_NL__2PRFIN20070905_202528_000000412061_00229_28840_3458.N1	05-SEP-2007 20:25:28	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28840	No
117	GOM_NL__2PRFIN20070905_202649_000000452061_00229_28840_3459.N1	05-SEP-2007 20:26:49	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28840	No
118	GOM_NL__2PRFIN20070905_203356_000000532061_00229_28840_3460.N1	05-SEP-2007 20:33:56	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	28840	No
119	GOM_NL__2PRFIN20070905_203833_000000452061_00229_28840_3461.N1	05-SEP-2007 20:38:33	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	28840	No
120	GOM_NL__2PRFIN20070905_204315_000000412061_00229_28840_3462.N1	05-SEP-2007 20:43:15	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	28840	No
121	GOM_NL__2PRFIN20070905_204742_000000392061_00229_28840_3463.N1	05-SEP-2007 20:47:42	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	28840	No
122	GOM_NL__2PRFIN20070905_205041_000000372061_00229_28840_3464.N1	05-SEP-2007 20:50:41	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28840	No
123	GOM_NL__2PRFIN20070905_205721_000000402061_00229_28840_3465.N1	05-SEP-2007 20:57:21	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	28840	No
124	GOM_NL__2PRFIN20070905_210538_000000372061_00229_28840_3466.N1	05-SEP-2007 21:05:38	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	28840	No
125	GOM_NL__2PRFIN20070905_211321_000000372061_00229_28840_3467.N1	05-SEP-2007 21:13:21	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28840	No
126	GOM_NL__2PRFIN20070905_213028_000000392061_00229_28840_3468.N1	05-SEP-2007 21:30:28	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	28840	No
127	GOM_NL__2PRFIN20070905_213823_000000492061_00229_28840_3469.N1	05-SEP-2007 21:38:23	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	28840	No
128	GOM_NL__2PRFIN20070905_214623_000000502061_00229_28840_3470.N1	05-SEP-2007 21:46:23	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	28840	No
129	GOM_NL__2PRFIN20070905_214902_000000412061_00229_28840_3471.N1	05-SEP-2007 21:49:02	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	28840	No
130	GOM_NL__2PRFIN20070905_215028_000000412061_00229_28840_3472.N1	05-SEP-2007 21:50:28	Dark	41.000	117	Pi Pup	2.7060	3800.0	82	28840	No
131	GOM_NL__2PRFIN20070905_215359_000000472061_00229_28840_3473.N1	05-SEP-2007 21:53:59	Dark	46.500	108	Alp Col	2.6520	15200.	93	28840	No
132	GOM_NL__2PRFIN20070905_215541_000000522061_00229_28840_3474.N1	05-SEP-2007 21:55:41	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28840	No
133	GOM_NL__2PRFIN20070905_220605_000000422061_00230_28841_3469.N1	05-SEP-2007 22:06:05	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	28841	No
134	GOM_NL__2PRFIN20070905_220725_000000422061_00230_28841_3470.N1	05-SEP-2007 22:07:25	Dark	42.000	9	Alp Eri	0.45300	24000.	84	28841	No
135	GOM_NL__2PRFIN20070905_221434_000000382061_00230_28841_3471.N1	05-SEP-2007 22:14:34	Straylight	37.500	63	Bet Gru	2.1500	2800.0	75	28841	No
136	GOM_NL__2PRFIN20070905_221909_000000452061_00230_28841_3472.N1	05-SEP-2007 22:19:09	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	28841	No
137	GOM_NL__2PRFIN20070905_222351_000000382061_00230_28841_3473.N1	05-SEP-2007 22:23:51	Bright	37.500	142	49Del Cap	2.8500	8900.0	75	28841	No
138	GOM_NL__2PRFIN20070905_222818_000000382061_00230_28841_3474.N1	05-SEP-2007 22:28:18	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	28841	No
139	GOM_NL__2PRFIN20070905_223117_000000372061_00230_28841_3475.N1	05-SEP-2007 22:31:17	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28841	No
140	GOM_NL__2PRFIN20070905_223757_000000402061_00230_28841_3476.N1	05-SEP-2007 22:37:57	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	28841	No
141	GOM_NL__2PRFIN20070905_224614_000000362061_00230_28841_3477.N1	05-SEP-2007 22:46:14	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	28841	No
142	GOM_NL__2PRFIN20070905_225356_000000382061_00230_28841_3478.N1	05-SEP-2007 22:53:56	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	28841	No
143	GOM_NL__2PRFIN20070905_231104_000000402061_00230_28841_3479.N1	05-SEP-2007 23:11:04	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	28841	No
144	GOM_NL__2PRFIN20070905_231859_000000562061_00230_28841_3480.N1	05-SEP-2007 23:18:59	Twilight	55.500	8	10Alp CMi	0.40000	6500.0	111	28841	No
145	GOM_NL__2PRFIN20070905_232700_000000602061_00230_28841_3481.N1	05-SEP-2007 23:27:00	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	28841	No
146	GOM_NL__2PRFIN20070905_232938_000000442061_00230_28841_3482.N1	05-SEP-2007 23:29:38	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28841	No
147	GOM_NL__2PRFIN20070905_233105_000000422061_00230_28841_3483.N1	05-SEP-2007 23:31:05	Dark	41.500	117	Pi Pup	2.7060	3800.0	83	28841	No
148	GOM_NL__2PRFIN20070905_233436_000000482061_00230_28841_3484.N1	05-SEP-2007 23:34:36	Dark	47.500	108	Alp Col	2.6520	15200.	95	28841	No
149	GOM_NL__2PRFIN20070905_233618_000000552061_00230_28841_3485.N1	05-SEP-2007 23:36:18	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	28841	No
150	GOM_NL__2PRFIN20070905_234641_000000392061_00231_28842_3484.N1	05-SEP-2007 23:46:41	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	28842	No
151	GOM_NL__2PRFIN20070905_234801_000000512061_00231_28842_3485.N1	05-SEP-2007 23:48:01	Dark	50.500	9	Alp Eri	0.45300	24000.	101	28842	No
152	GOM_NL__2PRFIN20070905_235357_000000512061_00231_28842_3486.N1	05-SEP-2007 23:53:57	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	28842	No
153	GOM_NL__2PRFIN20070905_235945_000000472061_00231_28842_3487.N1	05-SEP-2007 23:59:45	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	28842	No

3. Quality information per product

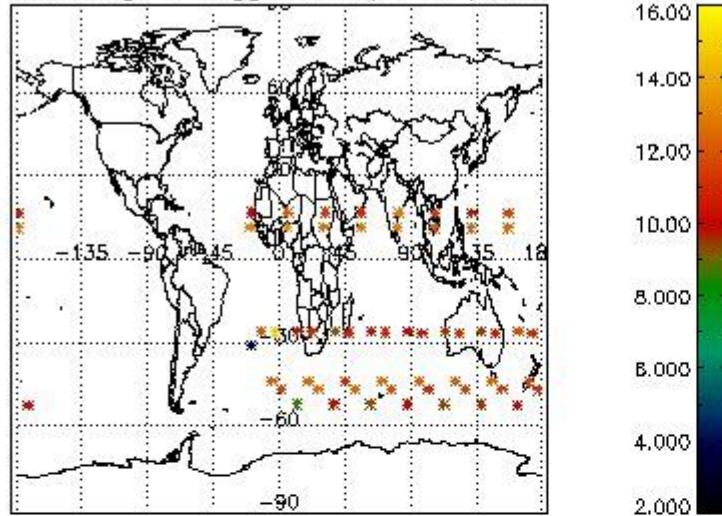
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

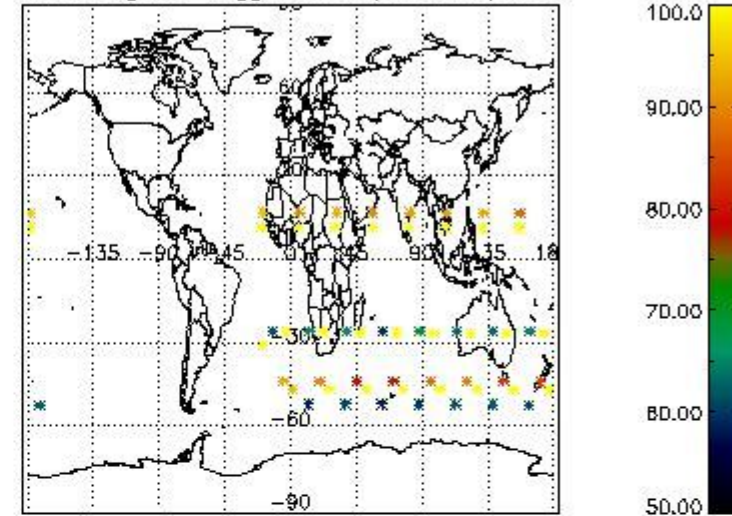


3.2 Plot quality information per product (world map)

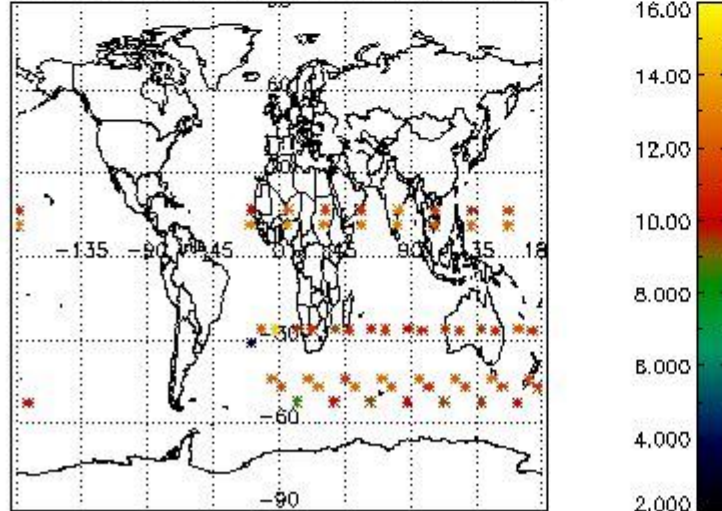
Percentage of flagged data per O3 profile



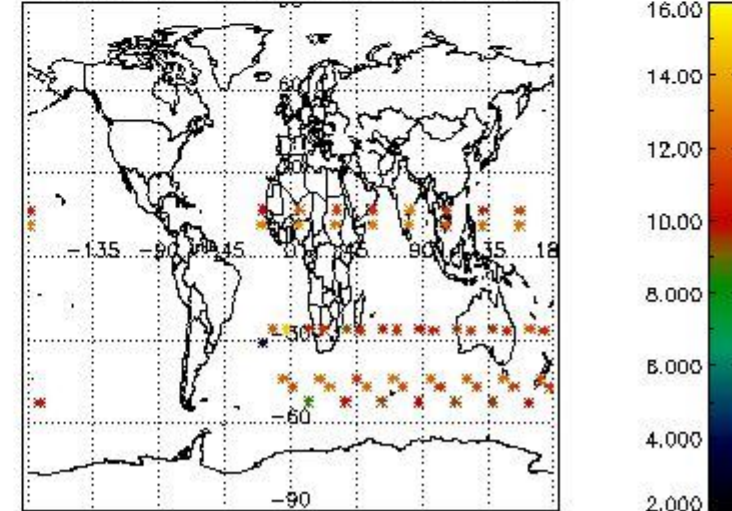
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

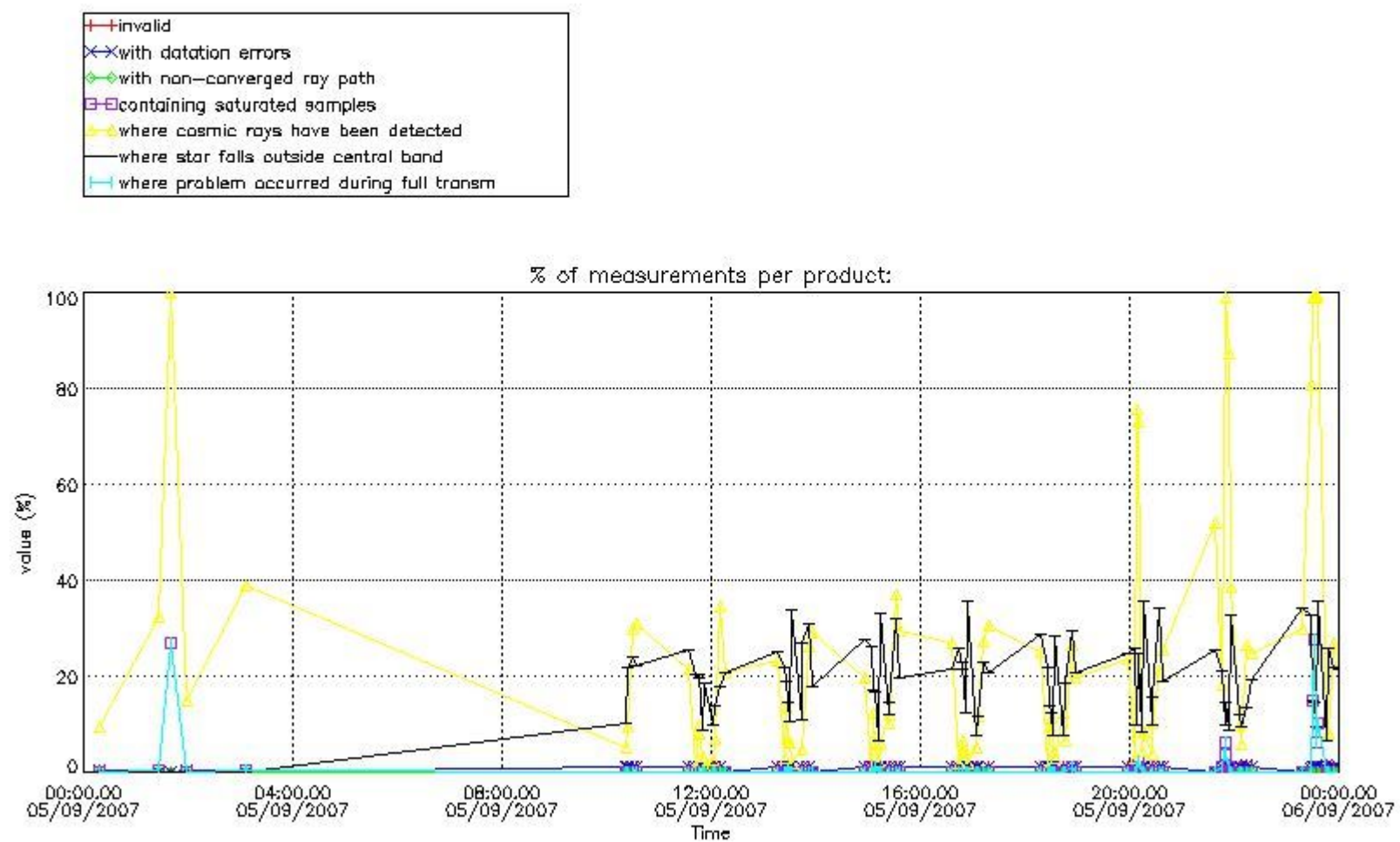


4. Level 1 quality information per product

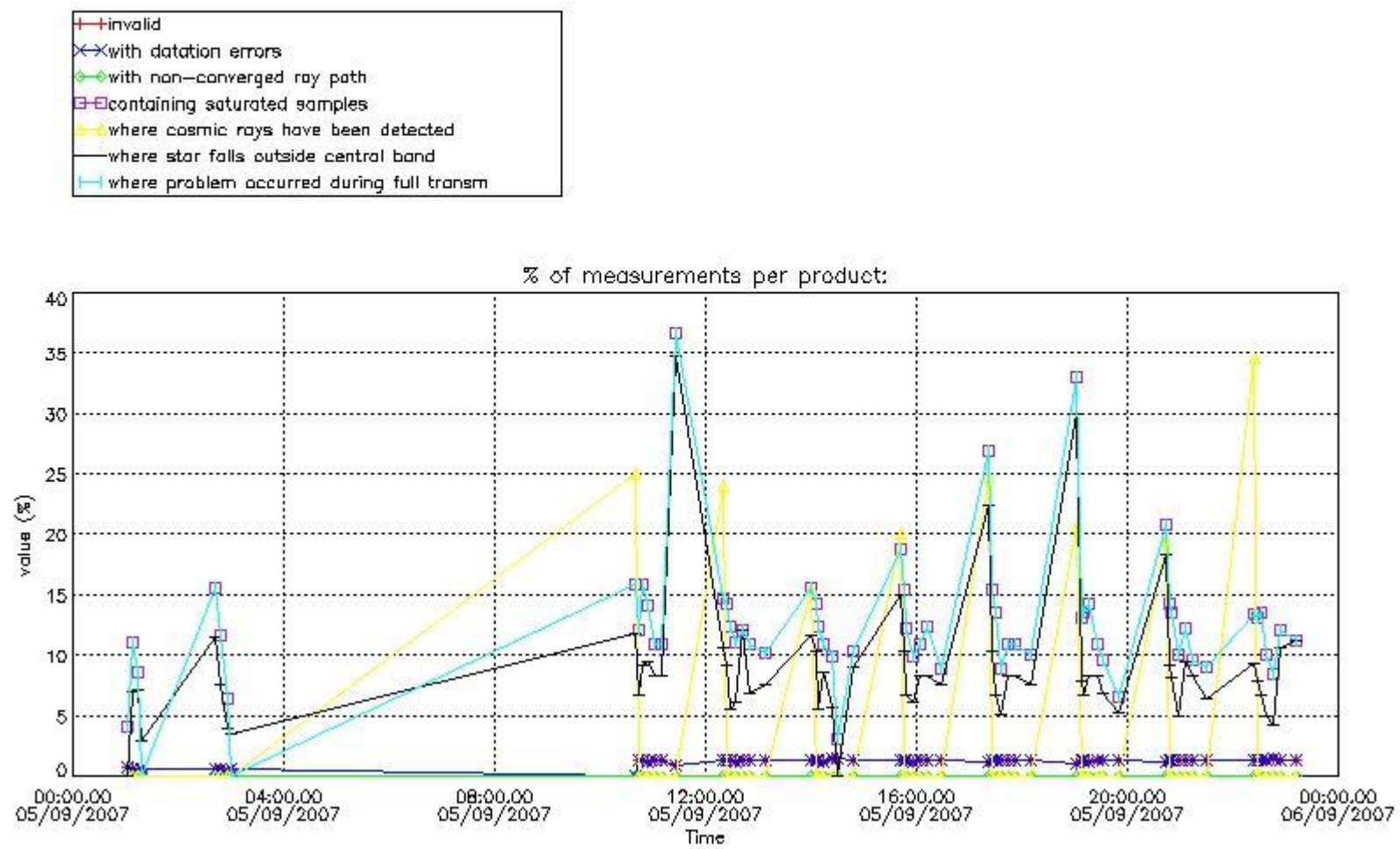
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



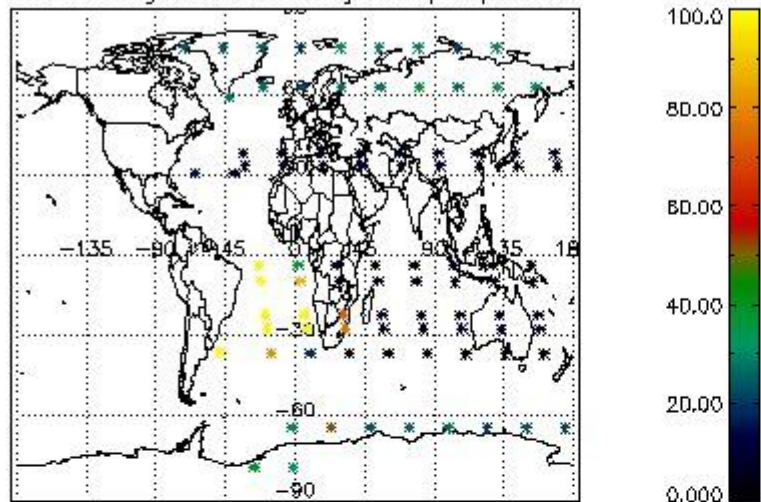
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



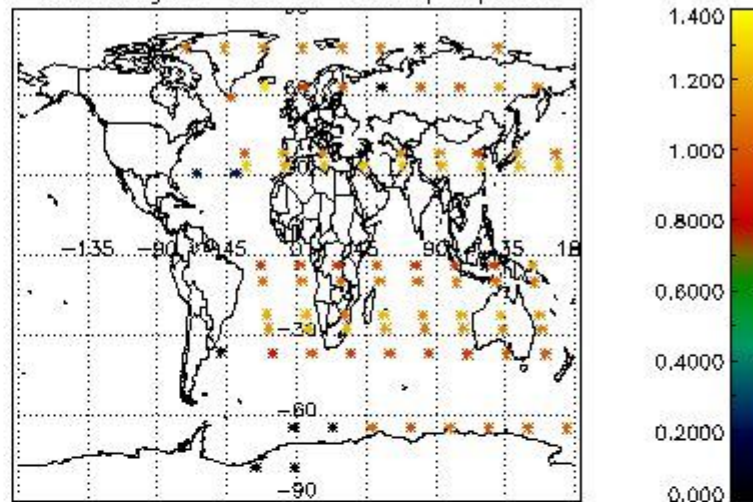
4.2 Plot quality information per product coming from level 1b processing (world map)

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

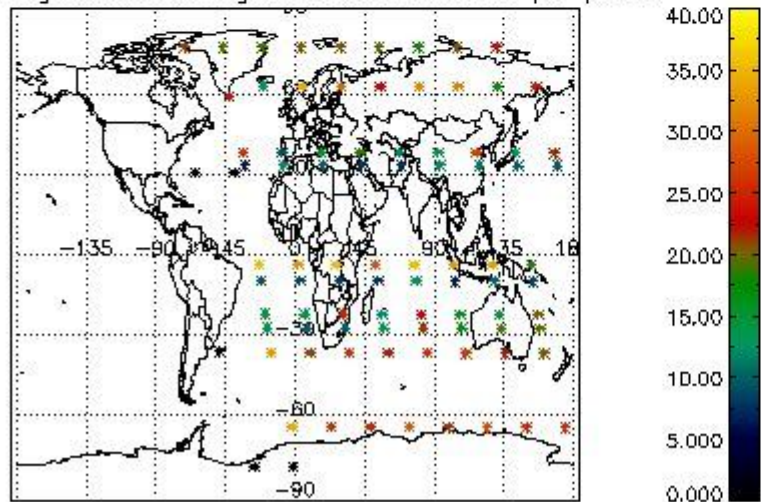
Percentage of cosmic ray hits per profile



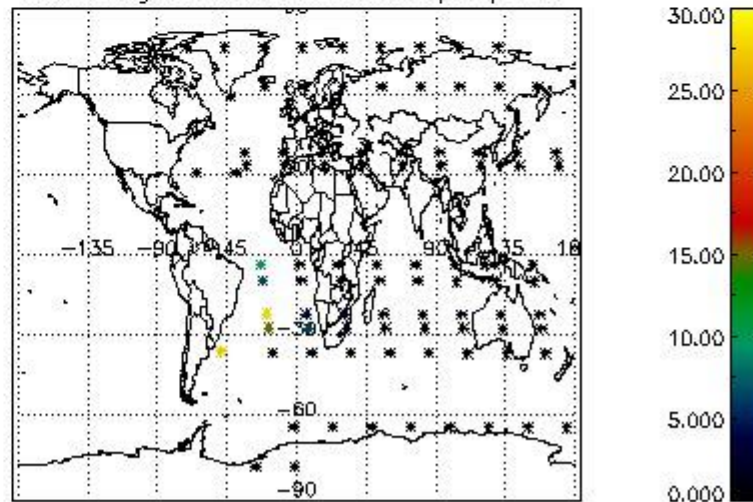
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

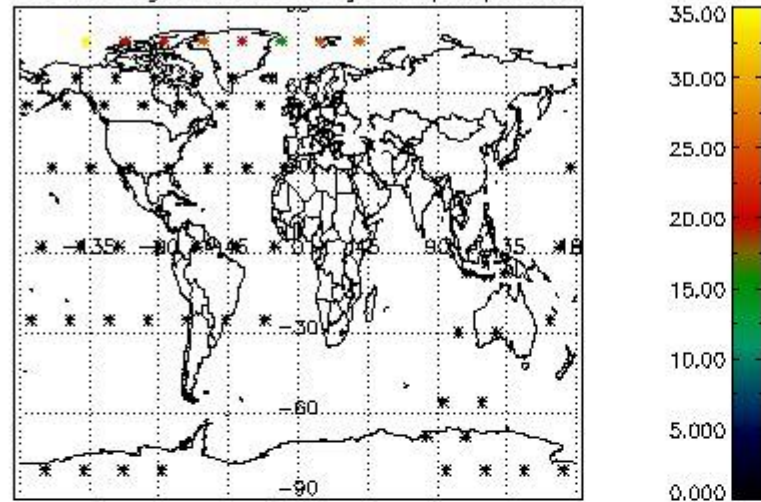


Percentage of saturation errors per profile

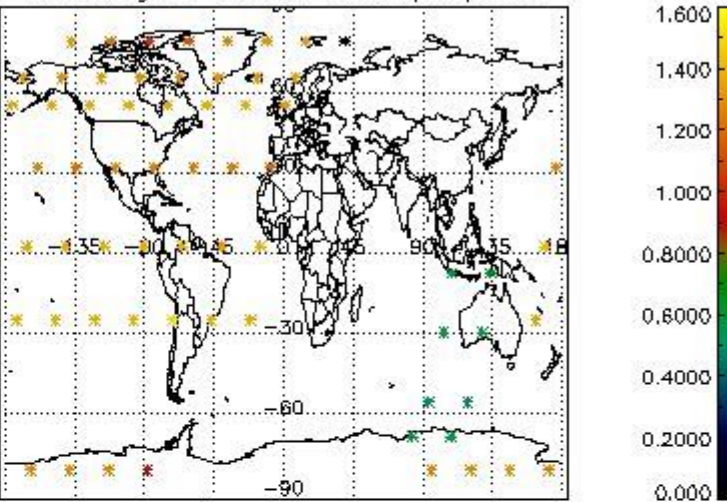


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

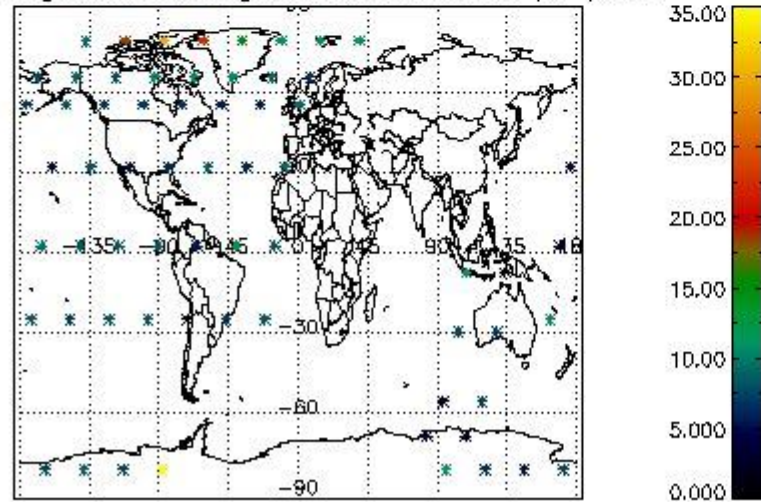
Percentage of cosmic ray hits per profile



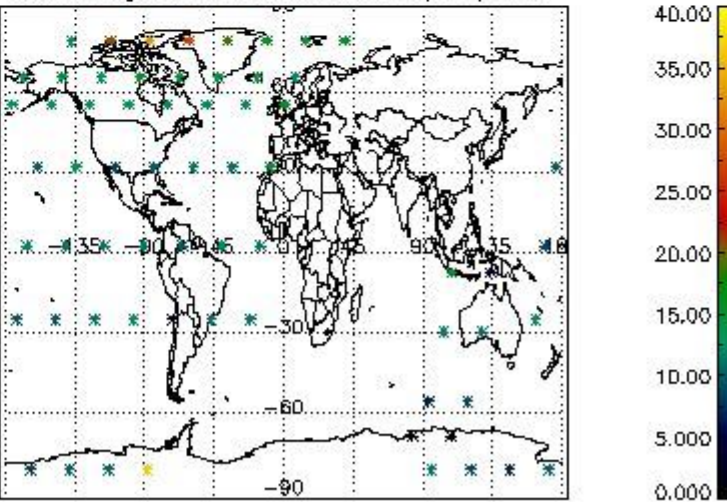
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

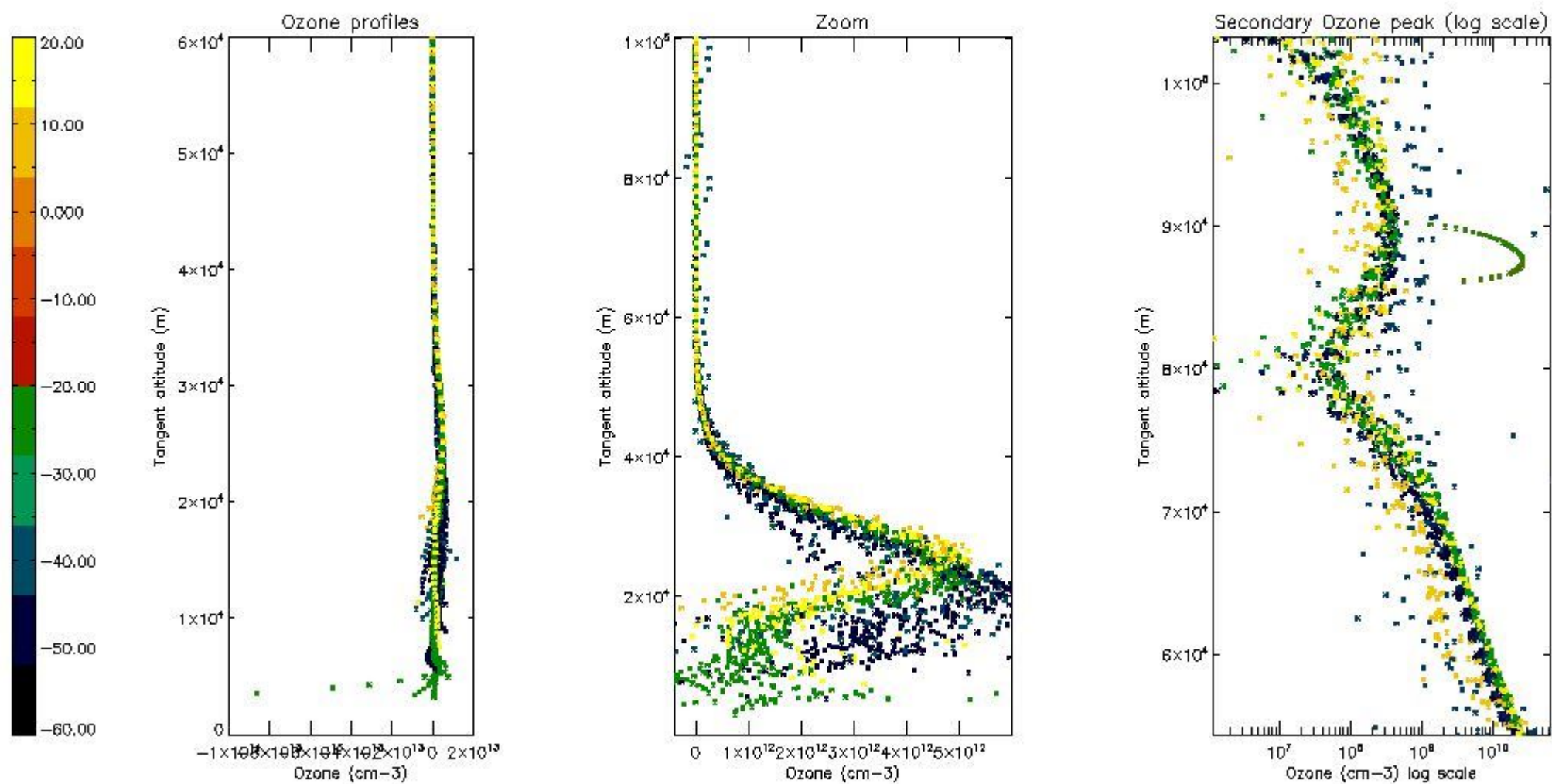
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	21

STD < 10	17
STD < 5	13

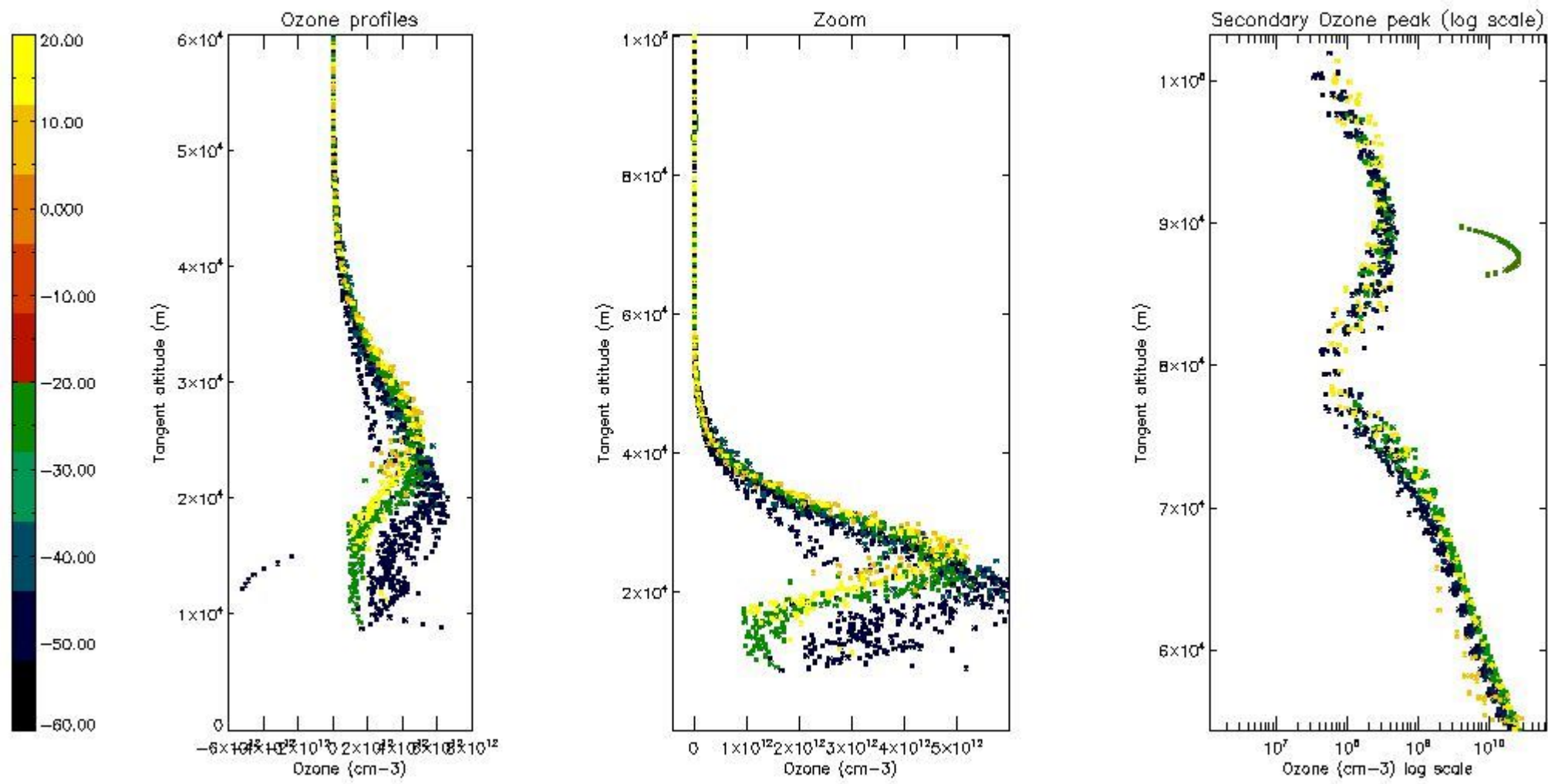
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



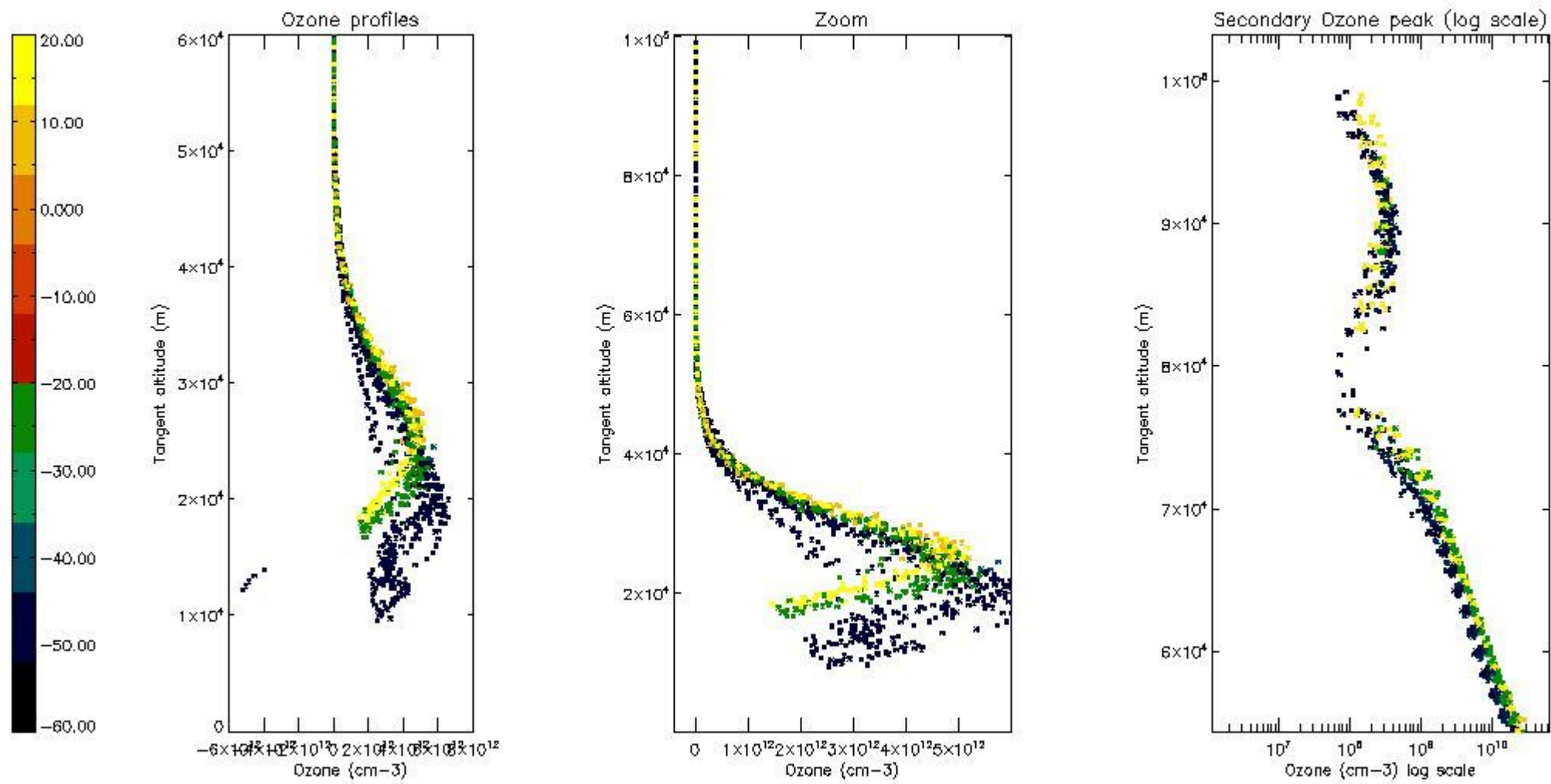
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



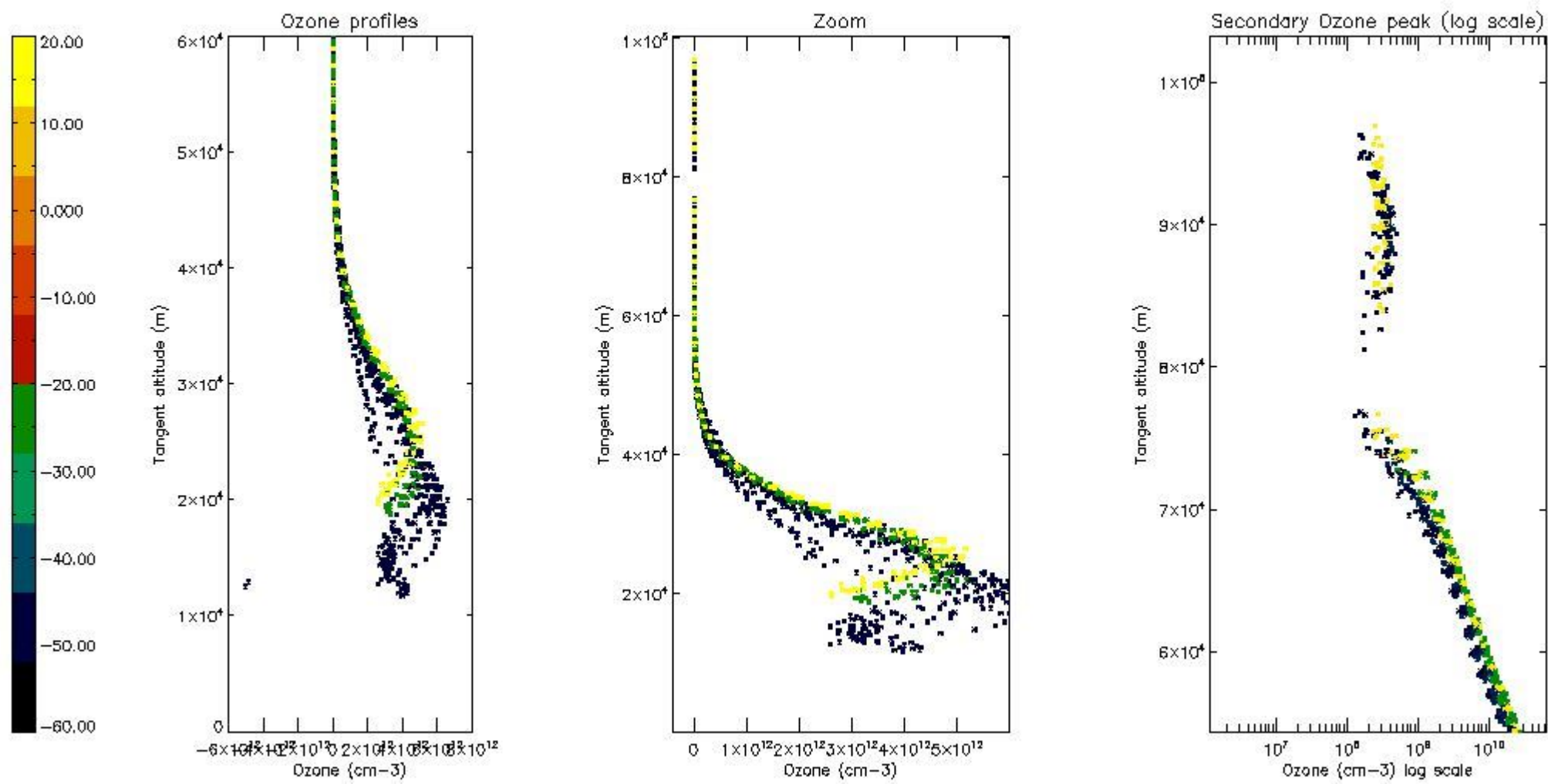
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



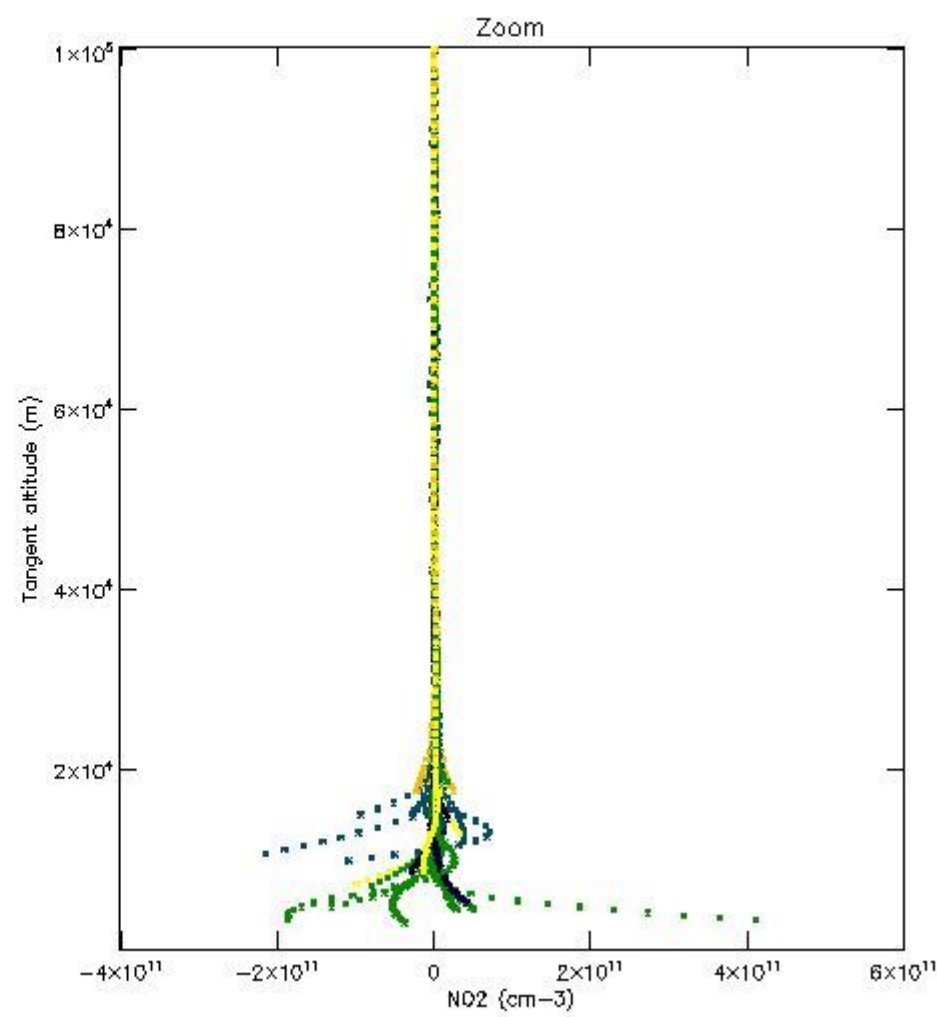
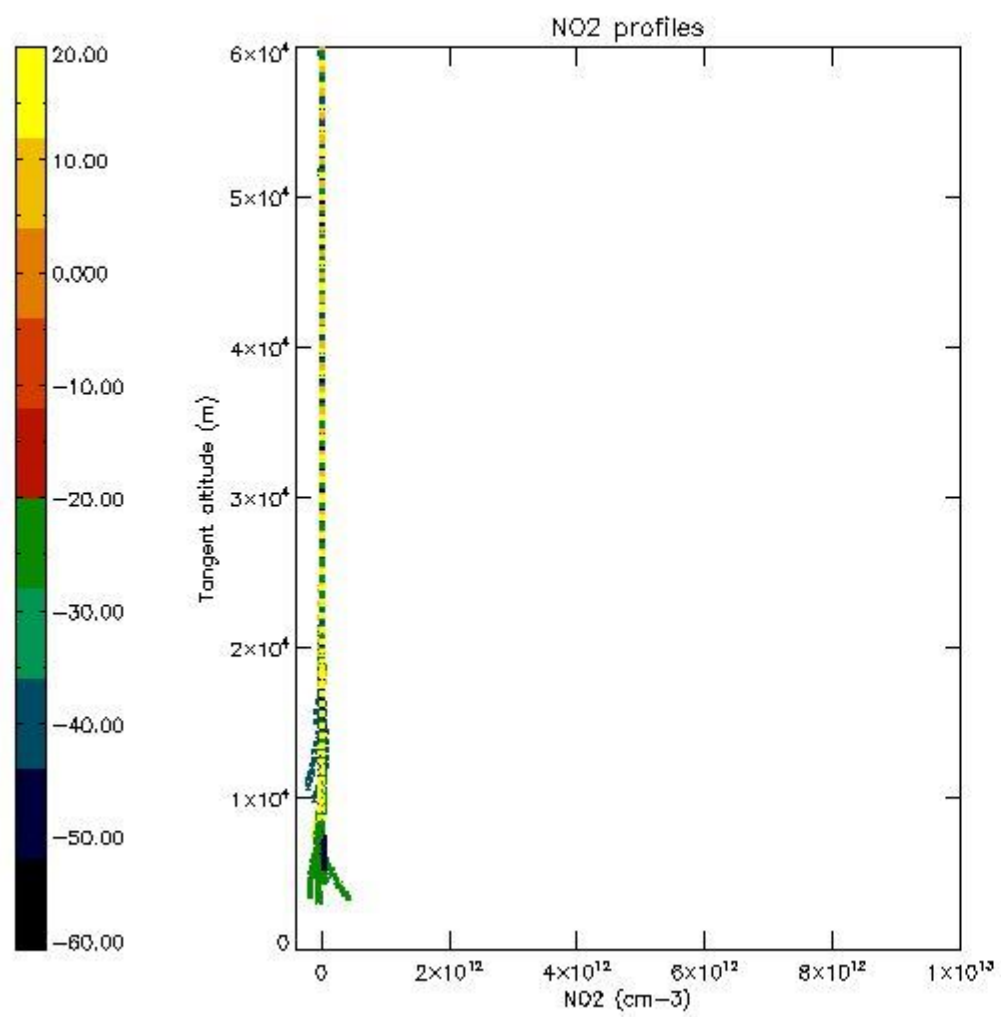
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



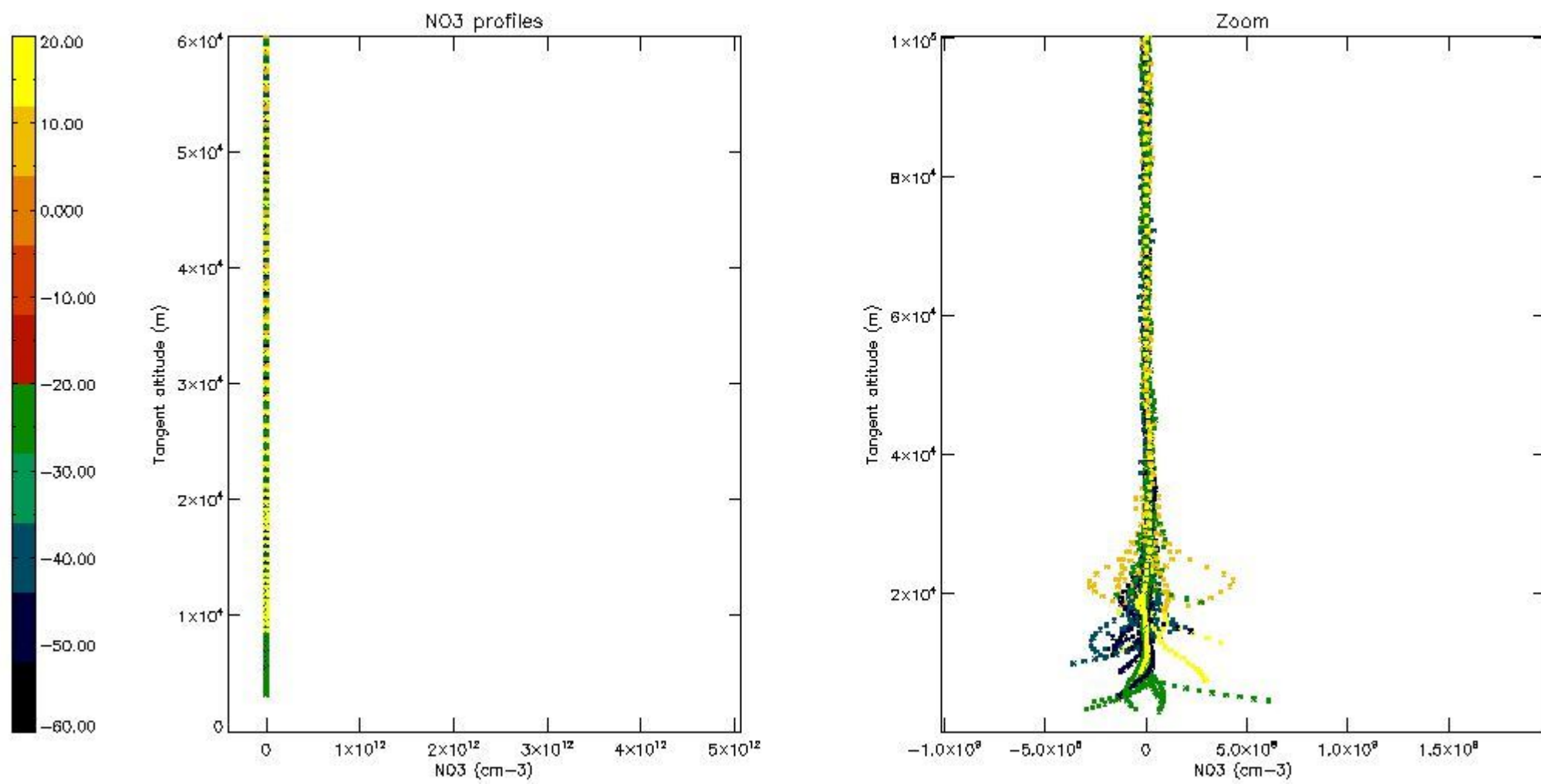
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



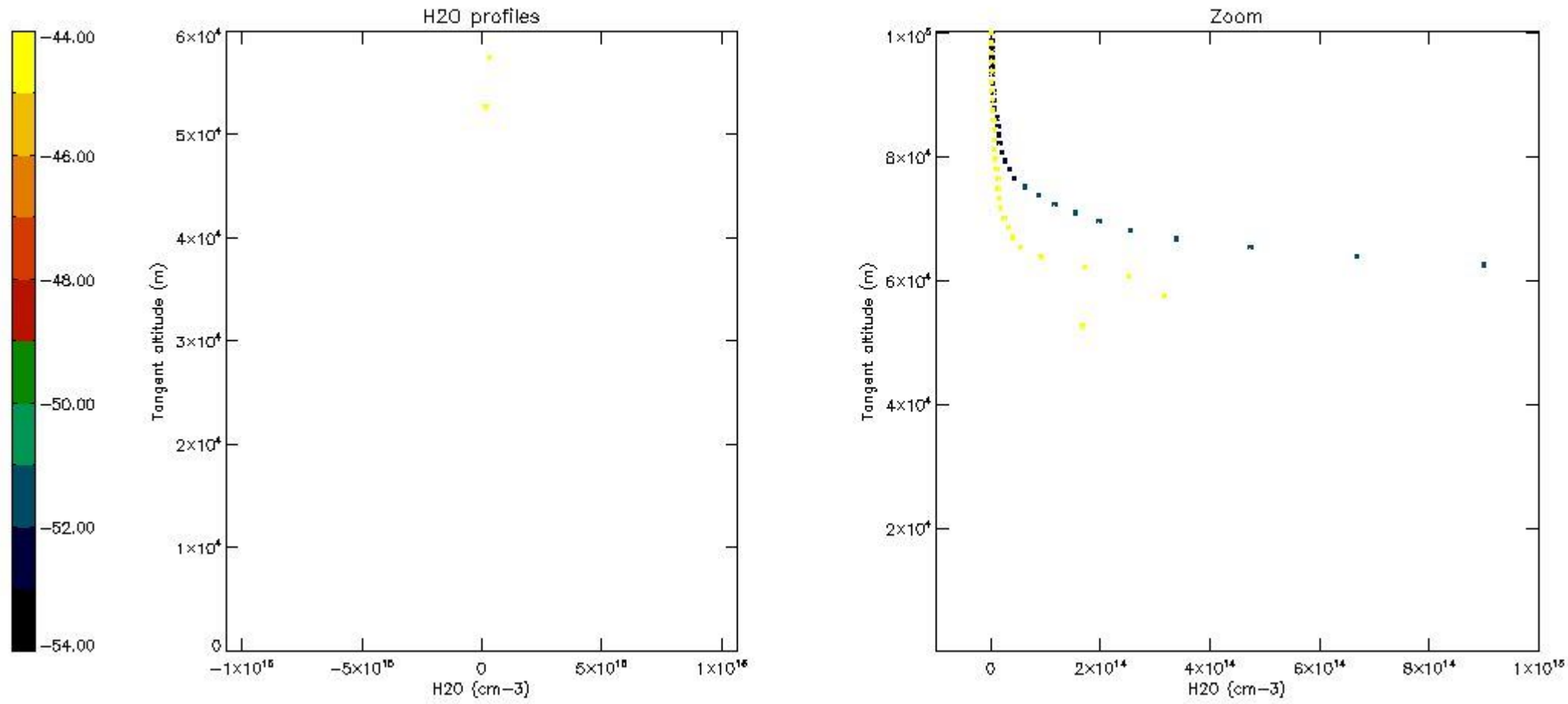
5.7 Plot NO3 profiles for all STD (dark without errors)

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	05-SEP-2007 00:17:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-SEP-2007 00:17:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-SEP-2007 00:17:29

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](#)

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

[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	23APR2013 03:36:07
Data source version	GOMOS/6.01
Start time of products	05-09-2007 (05SEP2007 00:00:00)
Stop time of products	06-09-2007 (06SEP2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	153
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__2PRFIN20070905_001729_000002242061_00217_28828_3265.N1	05-SEP-2007 00:17:29	Straylight	224.00	165	34Gam Eri	2.9500	3200.0	448	28828	No
2	GOM_NL__2PRFIN20070905_010116_000000752061_00217_28828_3266.N1	05-SEP-2007 01:01:16	Bright	75.000	53	43Bet And	2.0480	3300.0	150	28828	No
3	GOM_NL__2PRFIN20070905_010729_000000872061_00217_28828_3267.N1	05-SEP-2007 01:07:29	Bright	86.500	73	57Gam1And	2.2600	13100.	173	28828	No
4	GOM_NL__2PRFIN20070905_011453_000001052061_00217_28828_3268.N1	05-SEP-2007 01:14:53	Bright	104.50	79	26Bet Per	2.3100	13100.	209	28828	No
5	GOM_NL__2PRFIN20070905_011842_000000862061_00217_28828_3269.N1	05-SEP-2007 01:18:42	Bright	85.500	149	45Eps Per	2.8880	30000.	171	28828	No
6	GOM_NL__2PRFIN20070905_012617_000002552061_00217_28828_3270.N1	05-SEP-2007 01:26:17	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28828	No
7	GOM_NL__2PRFIN20070905_013922_000001482061_00217_28828_3271.N1	05-SEP-2007 01:39:22	Dark	148.00	13	87Alp Tau	0.86700	3800.0	296	28828	No
8	GOM_NL__2PRFIN20070905_015810_000002242061_00218_28829_3284.N1	05-SEP-2007 01:58:10	Straylight	224.00	165	34Gam Eri	2.9500	3200.0	448	28829	No
9	GOM_NL__2PRFIN20070905_024149_000000872061_00218_28829_3285.N1	05-SEP-2007 02:41:49	Bright	87.000	53	43Bet And	2.0480	3300.0	174	28829	No
10	GOM_NL__2PRFIN20070905_024803_000000862061_00218_28829_3286.N1	05-SEP-2007 02:48:03	Bright	86.000	73	57Gam1And	2.2600	13100.	172	28829	No
11	GOM_NL__2PRFIN20070905_025527_000001022061_00218_28829_3287.N1	05-SEP-2007 02:55:27	Bright	102.00	79	26Bet Per	2.3100	13100.	204	28829	No
12	GOM_NL__2PRFIN20070905_025917_000000862061_00218_28829_3288.N1	05-SEP-2007 02:59:17	Bright	85.500	149	45Eps Per	2.8880	30000.	171	28829	No
13	GOM_NL__2PRFIN20070905_030654_000002552061_00218_28829_3289.N1	05-SEP-2007 03:06:54	Straylight	254.50	150	44Zet Per	2.8900	28000.	509	28829	No
14	GOM_NL__2PRFIN20070905_102150_000000402061_00223_28834_3347.N1	05-SEP-2007 10:21:50	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28834	No
15	GOM_NL__2PRFIN20070905_102309_000000482061_00223_28834_3348.N1	05-SEP-2007 10:23:09	Dark	48.000	9	Alp Eri	0.45300	24000.	96	28834	No
16	GOM_NL__2PRFIN20070905_103019_000000462061_00223_28834_3349.N1	05-SEP-2007 10:30:19	Straylight	45.500	63	Bet Gru	2.1500	2800.0	91	28834	No
17	GOM_NL__2PRFIN20070905_103456_000000472061_00223_28834_3350.N1	05-SEP-2007 10:34:56	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	28834	No
18	GOM_NL__2PRFIN20070905_103939_000000382061_00223_28834_3351.N1	05-SEP-2007 10:39:39	Bright	38.000	142	49Del Cap	2.8500	8900.0	76	28834	No
19	GOM_NL__2PRFIN20070905_104407_000000382061_00223_28834_3352.N1	05-SEP-2007 10:44:07	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	28834	No
20	GOM_NL__2PRFIN20070905_104706_000000382061_00223_28834_3353.N1	05-SEP-2007 10:47:06	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	28834	No
21	GOM_NL__2PRFIN20070905_105348_000000432061_00223_28834_3354.N1	05-SEP-2007 10:53:48	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	28834	No
22	GOM_NL__2PRFIN20070905_110203_000000372061_00223_28834_3355.N1	05-SEP-2007 11:02:03	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28834	No
23	GOM_NL__2PRFIN20070905_110945_000000372061_00223_28834_3356.N1	05-SEP-2007 11:09:45	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28834	No
24	GOM_NL__2PRFIN20070905_112652_000000562061_00223_28834_3357.N1	05-SEP-2007 11:26:52	Bright	56.000	24	66Alp Gem	1.5800	10200.	112	28834	No
25	GOM_NL__2PRFIN20070905_113445_000000492061_00223_28834_3358.N1	05-SEP-2007 11:34:45	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	28834	No
26	GOM_NL__2PRFIN20070905_114243_000000502061_00223_28834_3359.N1	05-SEP-2007 11:42:43	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	28834	No
27	GOM_NL__2PRFIN20070905_114523_000000462061_00223_28834_3360.N1	05-SEP-2007 11:45:23	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28834	No
28	GOM_NL__2PRFIN20070905_114650_000000442061_00223_28834_3361.N1	05-SEP-2007 11:46:50	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	28834	No
29	GOM_NL__2PRFIN20070905_115018_000000472061_00223_28834_3362.N1	05-SEP-2007 11:50:18	Dark	46.500	108	Alp Col	2.6520	15200.	93	28834	No
30	GOM_NL__2PRFIN20070905_115203_000000432061_00223_28834_3363.N1	05-SEP-2007 11:52:03	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	28834	No
31	GOM_NL__2PRFIN20070905_120226_000000412061_00224_28835_3367.N1	05-SEP-2007 12:02:26	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28835	No
32	GOM_NL__2PRFIN20070905_120346_000000442061_00224_28835_3368.N1	05-SEP-2007 12:03:46	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28835	No
33	GOM_NL__2PRFIN20070905_121055_000000422061_00224_28835_3369.N1	05-SEP-2007 12:10:55	Straylight	42.000	63	Bet Gru	2.1500	2800.0	84	28835	No
34	GOM_NL__2PRFIN20070905_121532_000000462061_00224_28835_3370.N1	05-SEP-2007 12:15:32	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28835	No
35	GOM_NL__2PRFIN20070905_122015_000000382061_00224_28835_3371.N1	05-SEP-2007 12:20:15	Bright	37.500	142	49Del Cap	2.8500	8900.0	75	28835	No
36	GOM_NL__2PRFIN20070905_122443_000000392061_00224_28835_3372.N1	05-SEP-2007 12:24:43	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	28835	No
37	GOM_NL__2PRFIN20070905_122742_000000372061_00224_28835_3373.N1	05-SEP-2007 12:27:42	Bright	36.500	61	8Eps Peg	2.1000	3900.0	73	28835	No
38	GOM_NL__2PRFIN20070905_123424_000000412061_00224_28835_3374.N1	05-SEP-2007 12:34:24	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	28835	No
39	GOM_NL__2PRFIN20070905_124239_000000382061_00224_28835_3375.N1	05-SEP-2007 12:42:39	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28835	No
40	GOM_NL__2PRFIN20070905_125021_000000372061_00224_28835_3376.N1	05-SEP-2007 12:50:21	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28835	No
41	GOM_NL__2PRFIN20070905_130728_000000402061_00224_28835_3377.N1	05-SEP-2007 13:07:28	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	28835	No
42	GOM_NL__2PRFIN20070905_131521_000000502061_00224_28835_3378.N1	05-SEP-2007 13:15:21	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	28835	No

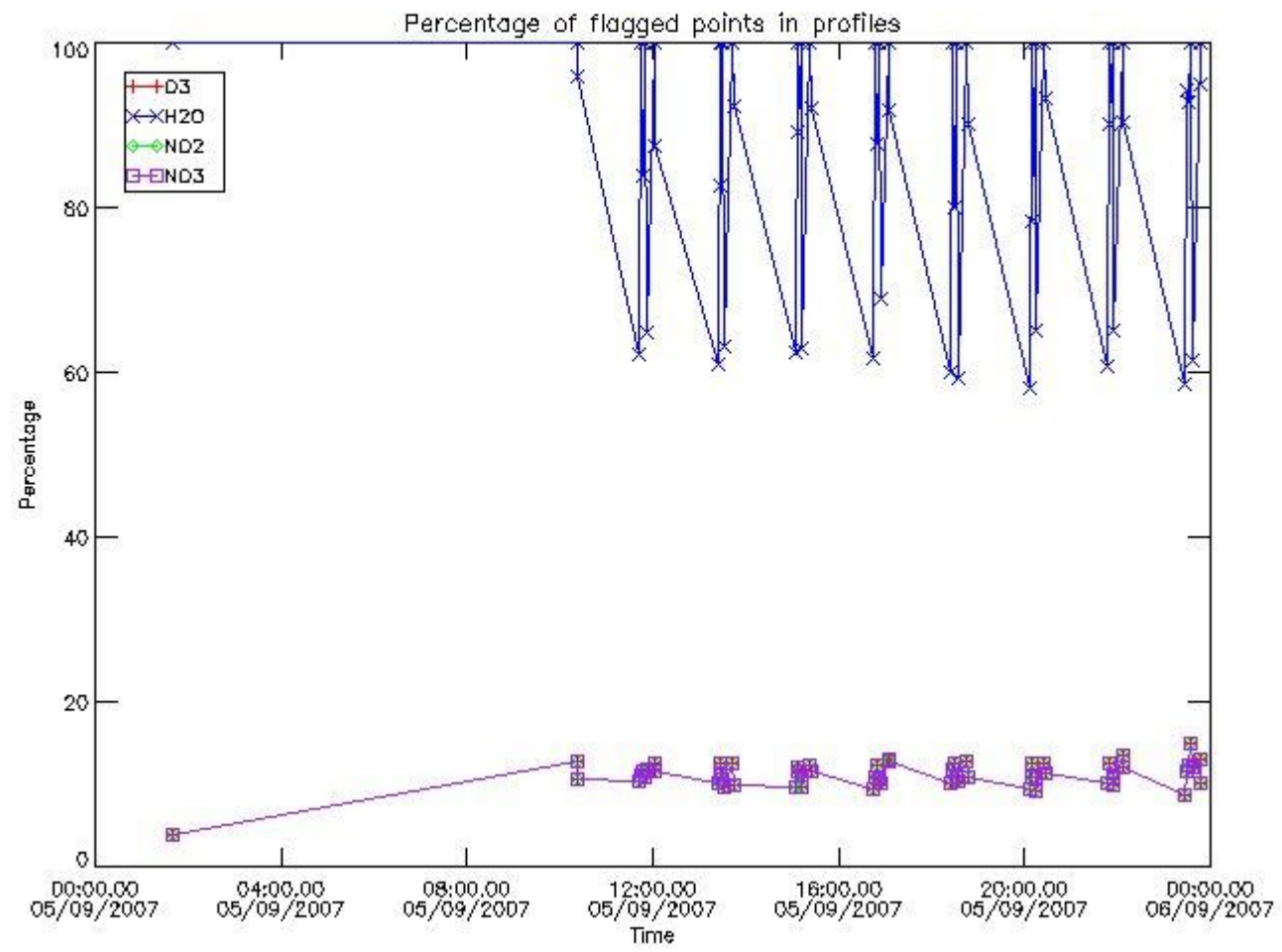
43	GOM_NL__2PRFIN20070905_132320_000000512061_00224_28835_3379.N1	05-SEP-2007 13:23:20	Dark	50.500	1	9Alp CMa	-1.4400	11000.	101	28835	No
44	GOM_NL__2PRFIN20070905_132559_000000452061_00224_28835_3380.N1	05-SEP-2007 13:25:59	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	28835	No
45	GOM_NL__2PRFIN20070905_132726_000000412061_00224_28835_3381.N1	05-SEP-2007 13:27:26	Dark	41.000	117	Pi Pup	2.7060	3800.0	82	28835	No
46	GOM_NL__2PRFIN20070905_133055_000000482061_00224_28835_3382.N1	05-SEP-2007 13:30:55	Dark	48.000	108	Alp Col	2.6520	15200.	96	28835	No
47	GOM_NL__2PRFIN20070905_133239_000000542061_00224_28835_3383.N1	05-SEP-2007 13:32:39	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28835	No
48	GOM_NL__2PRFIN20070905_134302_000000412061_00225_28836_3372.N1	05-SEP-2007 13:43:02	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	28836	No
49	GOM_NL__2PRFIN20070905_134422_000000522061_00225_28836_3373.N1	05-SEP-2007 13:44:22	Dark	52.000	9	Alp Eri	0.45300	24000.	104	28836	No
50	GOM_NL__2PRFIN20070905_135131_000000502061_00225_28836_3374.N1	05-SEP-2007 13:51:31	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	28836	No
51	GOM_NL__2PRFIN20070905_135608_000000452061_00225_28836_3375.N1	05-SEP-2007 13:56:08	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	28836	No
52	GOM_NL__2PRFIN20070905_140051_000000392061_00225_28836_3376.N1	05-SEP-2007 14:00:51	Bright	38.500	142	49Del Cap	2.8500	8900.0	77	28836	No
53	GOM_NL__2PRFIN20070905_140519_000000392061_00225_28836_3377.N1	05-SEP-2007 14:05:19	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	28836	No
54	GOM_NL__2PRFIN20070905_140818_000000372061_00225_28836_3378.N1	05-SEP-2007 14:08:18	Bright	36.500	61	8Eps Peg	2.1000	3900.0	73	28836	No
55	GOM_NL__2PRFIN20070905_141459_000000412061_00225_28836_3379.N1	05-SEP-2007 14:14:59	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	28836	No
56	GOM_NL__2PRFIN20070905_142315_000000362061_00225_28836_3380.N1	05-SEP-2007 14:23:15	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	28836	No
57	GOM_NL__2PRFIN20070905_143057_000000342061_00225_28836_3381.N1	05-SEP-2007 14:30:57	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	28836	No
58	GOM_NL__2PRFIN20070905_144804_000000392061_00225_28836_3382.N1	05-SEP-2007 14:48:04	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	28836	No
59	GOM_NL__2PRFIN20070905_145558_000000512061_00225_28836_3383.N1	05-SEP-2007 14:55:58	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	28836	No
60	GOM_NL__2PRFIN20070905_150357_000000542061_00225_28836_3384.N1	05-SEP-2007 15:03:57	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	28836	No
61	GOM_NL__2PRFIN20070905_150636_000000442061_00225_28836_3385.N1	05-SEP-2007 15:06:36	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28836	No
62	GOM_NL__2PRFIN20070905_150803_000000422061_00225_28836_3386.N1	05-SEP-2007 15:08:03	Dark	42.000	117	Pi Pup	2.7060	3800.0	84	28836	No
63	GOM_NL__2PRFIN20070905_151131_000000462061_00225_28836_3387.N1	05-SEP-2007 15:11:31	Dark	46.000	108	Alp Col	2.6520	15200.	92	28836	No
64	GOM_NL__2PRFIN20070905_151316_000000532061_00225_28836_3388.N1	05-SEP-2007 15:13:16	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	28836	No
65	GOM_NL__2PRFIN20070905_152339_000000422061_00226_28837_3400.N1	05-SEP-2007 15:23:39	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	28837	No
66	GOM_NL__2PRFIN20070905_152459_000000452061_00226_28837_3401.N1	05-SEP-2007 15:24:59	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28837	No
67	GOM_NL__2PRFIN20070905_153208_000000502061_00226_28837_3402.N1	05-SEP-2007 15:32:08	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	28837	No
68	GOM_NL__2PRFIN20070905_153644_000000462061_00226_28837_3403.N1	05-SEP-2007 15:36:44	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28837	No
69	GOM_NL__2PRFIN20070905_154127_000000402061_00226_28837_3404.N1	05-SEP-2007 15:41:27	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	28837	No
70	GOM_NL__2PRFIN20070905_154554_000000392061_00226_28837_3405.N1	05-SEP-2007 15:45:54	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	28837	No
71	GOM_NL__2PRFIN20070905_154853_000000372061_00226_28837_3406.N1	05-SEP-2007 15:48:53	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28837	No
72	GOM_NL__2PRFIN20070905_155535_000000412061_00226_28837_3407.N1	05-SEP-2007 15:55:35	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	28837	No
73	GOM_NL__2PRFIN20070905_160350_000000372061_00226_28837_3408.N1	05-SEP-2007 16:03:50	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28837	No
74	GOM_NL__2PRFIN20070905_161133_000000372061_00226_28837_3409.N1	05-SEP-2007 16:11:33	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28837	No
75	GOM_NL__2PRFIN20070905_162840_000000402061_00226_28837_3410.N1	05-SEP-2007 16:28:40	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	28837	No
76	GOM_NL__2PRFIN20070905_163634_000000472061_00226_28837_3411.N1	05-SEP-2007 16:36:34	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	28837	No
77	GOM_NL__2PRFIN20070905_164433_000000542061_00226_28837_3412.N1	05-SEP-2007 16:44:33	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	28837	No
78	GOM_NL__2PRFIN20070905_164712_000000472061_00226_28837_3413.N1	05-SEP-2007 16:47:12	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	28837	No
79	GOM_NL__2PRFIN20070905_164839_000000462061_00226_28837_3414.N1	05-SEP-2007 16:48:39	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	28837	No
80	GOM_NL__2PRFIN20070905_165208_000000492061_00226_28837_3415.N1	05-SEP-2007 16:52:08	Dark	48.500	108	Alp Col	2.6520	15200.	97	28837	No
81	GOM_NL__2PRFIN20070905_165352_000000552061_00226_28837_3416.N1	05-SEP-2007 16:53:52	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	28837	No
82	GOM_NL__2PRFIN20070905_170415_000000402061_00227_28838_3428.N1	05-SEP-2007 17:04:15	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28838	No
83	GOM_NL__2PRFIN20070905_170535_000000442061_00227_28838_3429.N1	05-SEP-2007 17:05:35	Dark	43.500	9	Alp Eri	0.45300	24000.	87	28838	No
84	GOM_NL__2PRFIN20070905_171244_000000442061_00227_28838_3430.N1	05-SEP-2007 17:12:44	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	28838	No
85	GOM_NL__2PRFIN20070905_171721_000000462061_00227_28838_3431.N1	05-SEP-2007 17:17:21	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28838	No
86	GOM_NL__2PRFIN20070905_172203_000000452061_00227_28838_3432.N1	05-SEP-2007 17:22:03	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	28838	No
87	GOM_NL__2PRFIN20070905_172631_000000392061_00227_28838_3433.N1	05-SEP-2007 17:26:31	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	28838	No
88	GOM_NL__2PRFIN20070905_172929_000000372061_00227_28838_3434.N1	05-SEP-2007 17:29:29	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28838	No
89	GOM_NL__2PRFIN20070905_173610_000000402061_00227_28838_3435.N1	05-SEP-2007 17:36:10	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	28838	No
90	GOM_NL__2PRFIN20070905_174426_000000372061_00227_28838_3436.N1	05-SEP-2007 17:44:26	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28838	No
91	GOM_NL__2PRFIN20070905_175209_000000372061_00227_28838_3437.N1	05-SEP-2007 17:52:09	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28838	No
92	GOM_NL__2PRFIN20070905_180916_000000402061_00227_28838_3438.N1	05-SEP-2007 18:09:16	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	28838	No
93	GOM_NL__2PRFIN20070905_181710_000000522061_00227_28838_3439.N1	05-SEP-2007 18:17:10	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	28838	No
94	GOM_NL__2PRFIN20070905_182510_000000512061_00227_28838_3440.N1	05-SEP-2007 18:25:10	Dark	50.500	1	9Alp CMa	-1.4400	11000.	101	28838	No
95	GOM_NL__2PRFIN20070905_182749_000000432061_00227_28838_3441.N1	05-SEP-2007 18:27:49	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	28838	No
96	GOM_NL__2PRFIN20070905_182916_000000412061_00227_28838_3442.N1	05-SEP-2007 18:29:16	Dark	40.500	117	Pi Pup	2.7060	3800.0	81	28838	No
97	GOM_NL__2PRFIN20070905_183245_000000472061_00227_28838_3443.N1	05-SEP-2007 18:32:45	Dark	46.500	108	Alp Col	2.6520	15200.	93	28838	No
98	GOM_NL__2PRFIN20070905_183429_000000502061_00227_28838_3444.N1	05-SEP-2007 18:34:29	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	28838	No
99	GOM_NL__2PRFIN20070905_184452_000000402061_00228_28839_3437.N1	05-SEP-2007 18:44:52	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28839	No
100	GOM_NL__2PRFIN20070905_184612_000000462061_00228_28839_3438.N1	05-SEP-2007 18:46:12	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28839	No
101	GOM_NL__2PRFIN20070905_185320_000000492061_00228_28839_3439.N1	05-SEP-2007 18:53:20	Straylight	49.000	63	Bet Gru	2.1500	2800.0	98	28839	No

102	GOM_NL__2PRFIN20070905_185757_000000462061_00228_28839_3440.N1	05-SEP-2007 18:57:57	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	28839	No
103	GOM_NL__2PRFIN20070905_190239_000000492061_00228_28839_3441.N1	05-SEP-2007 19:02:39	Bright	48.500	142	49Del Cap	2.8500	8900.0	97	28839	No
104	GOM_NL__2PRFIN20070905_190707_000000382061_00228_28839_3442.N1	05-SEP-2007 19:07:07	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	28839	No
105	GOM_NL__2PRFIN20070905_191005_000000372061_00228_28839_3443.N1	05-SEP-2007 19:10:05	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28839	No
106	GOM_NL__2PRFIN20070905_191646_000000422061_00228_28839_3444.N1	05-SEP-2007 19:16:46	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	28839	No
107	GOM_NL__2PRFIN20070905_192502_000000372061_00228_28839_3445.N1	05-SEP-2007 19:25:02	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	28839	No
108	GOM_NL__2PRFIN20070905_193245_000000372061_00228_28839_3446.N1	05-SEP-2007 19:32:45	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28839	No
109	GOM_NL__2PRFIN20070905_194952_000000392061_00228_28839_3447.N1	05-SEP-2007 19:49:52	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	28839	No
110	GOM_NL__2PRFIN20070905_195747_000000492061_00228_28839_3448.N1	05-SEP-2007 19:57:47	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	28839	No
111	GOM_NL__2PRFIN20070905_200547_000000542061_00228_28839_3449.N1	05-SEP-2007 20:05:47	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	28839	No
112	GOM_NL__2PRFIN20070905_200825_000000412061_00228_28839_3450.N1	05-SEP-2007 20:08:25	Dark	41.000	23	21Eps CMa	1.5020	26000.	82	28839	No
113	GOM_NL__2PRFIN20070905_200952_000000472061_00228_28839_3451.N1	05-SEP-2007 20:09:52	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	28839	No
114	GOM_NL__2PRFIN20070905_201322_000000472061_00228_28839_3452.N1	05-SEP-2007 20:13:22	Dark	47.000	108	Alp Col	2.6520	15200.	94	28839	No
115	GOM_NL__2PRFIN20070905_201505_000000552061_00228_28839_3453.N1	05-SEP-2007 20:15:05	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	28839	No
116	GOM_NL__2PRFIN20070905_202528_000000412061_00229_28840_3458.N1	05-SEP-2007 20:25:28	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28840	No
117	GOM_NL__2PRFIN20070905_202649_000000452061_00229_28840_3459.N1	05-SEP-2007 20:26:49	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28840	No
118	GOM_NL__2PRFIN20070905_203356_000000532061_00229_28840_3460.N1	05-SEP-2007 20:33:56	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	28840	No
119	GOM_NL__2PRFIN20070905_203833_000000452061_00229_28840_3461.N1	05-SEP-2007 20:38:33	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	28840	No
120	GOM_NL__2PRFIN20070905_204315_000000412061_00229_28840_3462.N1	05-SEP-2007 20:43:15	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	28840	No
121	GOM_NL__2PRFIN20070905_204742_000000392061_00229_28840_3463.N1	05-SEP-2007 20:47:42	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	28840	No
122	GOM_NL__2PRFIN20070905_205041_000000372061_00229_28840_3464.N1	05-SEP-2007 20:50:41	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28840	No
123	GOM_NL__2PRFIN20070905_205721_000000402061_00229_28840_3465.N1	05-SEP-2007 20:57:21	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	28840	No
124	GOM_NL__2PRFIN20070905_210538_000000372061_00229_28840_3466.N1	05-SEP-2007 21:05:38	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	28840	No
125	GOM_NL__2PRFIN20070905_211321_000000372061_00229_28840_3467.N1	05-SEP-2007 21:13:21	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28840	No
126	GOM_NL__2PRFIN20070905_213028_000000392061_00229_28840_3468.N1	05-SEP-2007 21:30:28	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	28840	No
127	GOM_NL__2PRFIN20070905_213823_000000492061_00229_28840_3469.N1	05-SEP-2007 21:38:23	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	28840	No
128	GOM_NL__2PRFIN20070905_214623_000000502061_00229_28840_3470.N1	05-SEP-2007 21:46:23	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	28840	No
129	GOM_NL__2PRFIN20070905_214902_000000412061_00229_28840_3471.N1	05-SEP-2007 21:49:02	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	28840	No
130	GOM_NL__2PRFIN20070905_215028_000000412061_00229_28840_3472.N1	05-SEP-2007 21:50:28	Dark	41.000	117	Pi Pup	2.7060	3800.0	82	28840	No
131	GOM_NL__2PRFIN20070905_215359_000000472061_00229_28840_3473.N1	05-SEP-2007 21:53:59	Dark	46.500	108	Alp Col	2.6520	15200.	93	28840	No
132	GOM_NL__2PRFIN20070905_215541_000000522061_00229_28840_3474.N1	05-SEP-2007 21:55:41	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	28840	No
133	GOM_NL__2PRFIN20070905_220605_000000422061_00230_28841_3469.N1	05-SEP-2007 22:06:05	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	28841	No
134	GOM_NL__2PRFIN20070905_220725_000000422061_00230_28841_3470.N1	05-SEP-2007 22:07:25	Dark	42.000	9	Alp Eri	0.45300	24000.	84	28841	No
135	GOM_NL__2PRFIN20070905_221434_000000382061_00230_28841_3471.N1	05-SEP-2007 22:14:34	Straylight	37.500	63	Bet Gru	2.1500	2800.0	75	28841	No
136	GOM_NL__2PRFIN20070905_221909_000000452061_00230_28841_3472.N1	05-SEP-2007 22:19:09	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	28841	No
137	GOM_NL__2PRFIN20070905_222351_000000382061_00230_28841_3473.N1	05-SEP-2007 22:23:51	Bright	37.500	142	49Del Cap	2.8500	8900.0	75	28841	No
138	GOM_NL__2PRFIN20070905_222818_000000382061_00230_28841_3474.N1	05-SEP-2007 22:28:18	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	28841	No
139	GOM_NL__2PRFIN20070905_223117_000000372061_00230_28841_3475.N1	05-SEP-2007 22:31:17	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	28841	No
140	GOM_NL__2PRFIN20070905_223757_000000402061_00230_28841_3476.N1	05-SEP-2007 22:37:57	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	28841	No
141	GOM_NL__2PRFIN20070905_224614_000000362061_00230_28841_3477.N1	05-SEP-2007 22:46:14	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	28841	No
142	GOM_NL__2PRFIN20070905_225356_000000382061_00230_28841_3478.N1	05-SEP-2007 22:53:56	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	28841	No
143	GOM_NL__2PRFIN20070905_231104_000000402061_00230_28841_3479.N1	05-SEP-2007 23:11:04	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	28841	No
144	GOM_NL__2PRFIN20070905_231859_000000562061_00230_28841_3480.N1	05-SEP-2007 23:18:59	Twilight	55.500	8	10Alp CMi	0.40000	6500.0	111	28841	No
145	GOM_NL__2PRFIN20070905_232700_000000602061_00230_28841_3481.N1	05-SEP-2007 23:27:00	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	28841	No
146	GOM_NL__2PRFIN20070905_232938_000000442061_00230_28841_3482.N1	05-SEP-2007 23:29:38	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28841	No
147	GOM_NL__2PRFIN20070905_233105_000000422061_00230_28841_3483.N1	05-SEP-2007 23:31:05	Dark	41.500	117	Pi Pup	2.7060	3800.0	83	28841	No
148	GOM_NL__2PRFIN20070905_233436_000000482061_00230_28841_3484.N1	05-SEP-2007 23:34:36	Dark	47.500	108	Alp Col	2.6520	15200.	95	28841	No
149	GOM_NL__2PRFIN20070905_233618_000000552061_00230_28841_3485.N1	05-SEP-2007 23:36:18	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	28841	No
150	GOM_NL__2PRFIN20070905_234641_000000392061_00231_28842_3484.N1	05-SEP-2007 23:46:41	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	28842	No
151	GOM_NL__2PRFIN20070905_234801_000000512061_00231_28842_3485.N1	05-SEP-2007 23:48:01	Dark	50.500	9	Alp Eri	0.45300	24000.	101	28842	No
152	GOM_NL__2PRFIN20070905_235357_000000512061_00231_28842_3486.N1	05-SEP-2007 23:53:57	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	28842	No
153	GOM_NL__2PRFIN20070905_235945_000000472061_00231_28842_3487.N1	05-SEP-2007 23:59:45	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	28842	No

3. Quality information per product

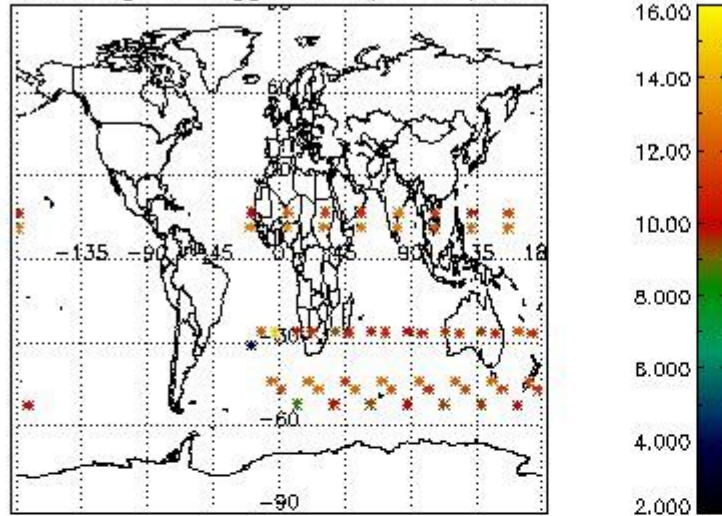
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

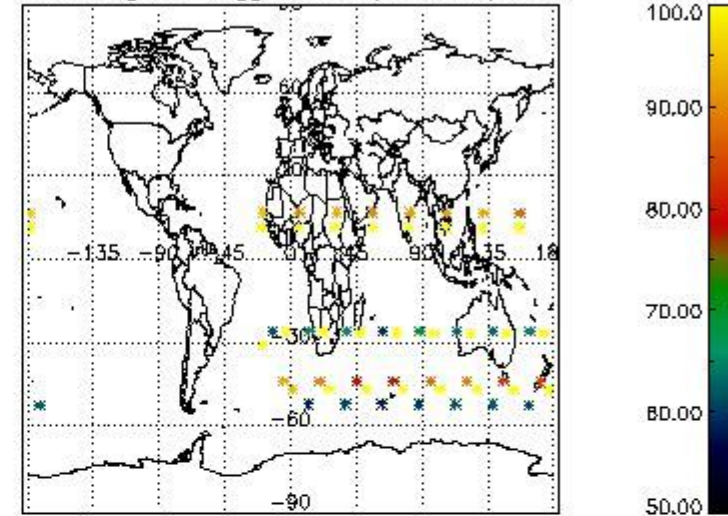


3.2 Plot quality information per product (world map)

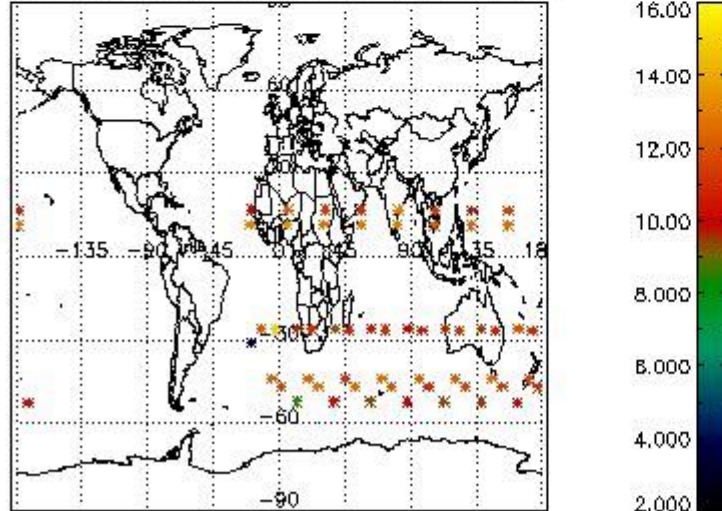
Percentage of flagged data per O3 profile



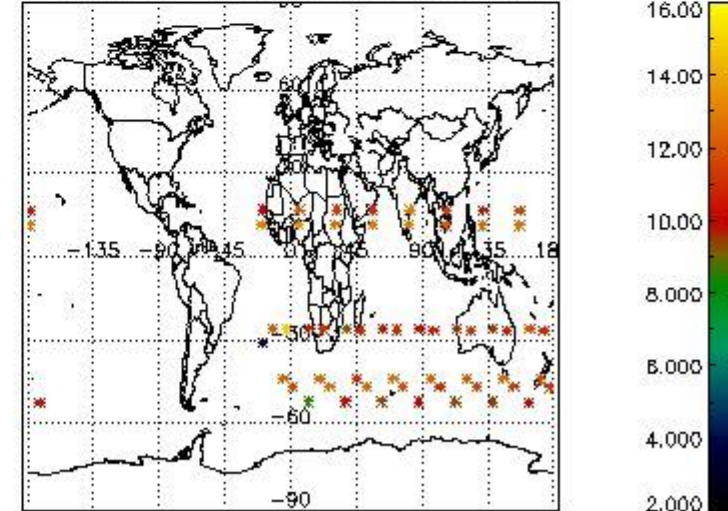
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

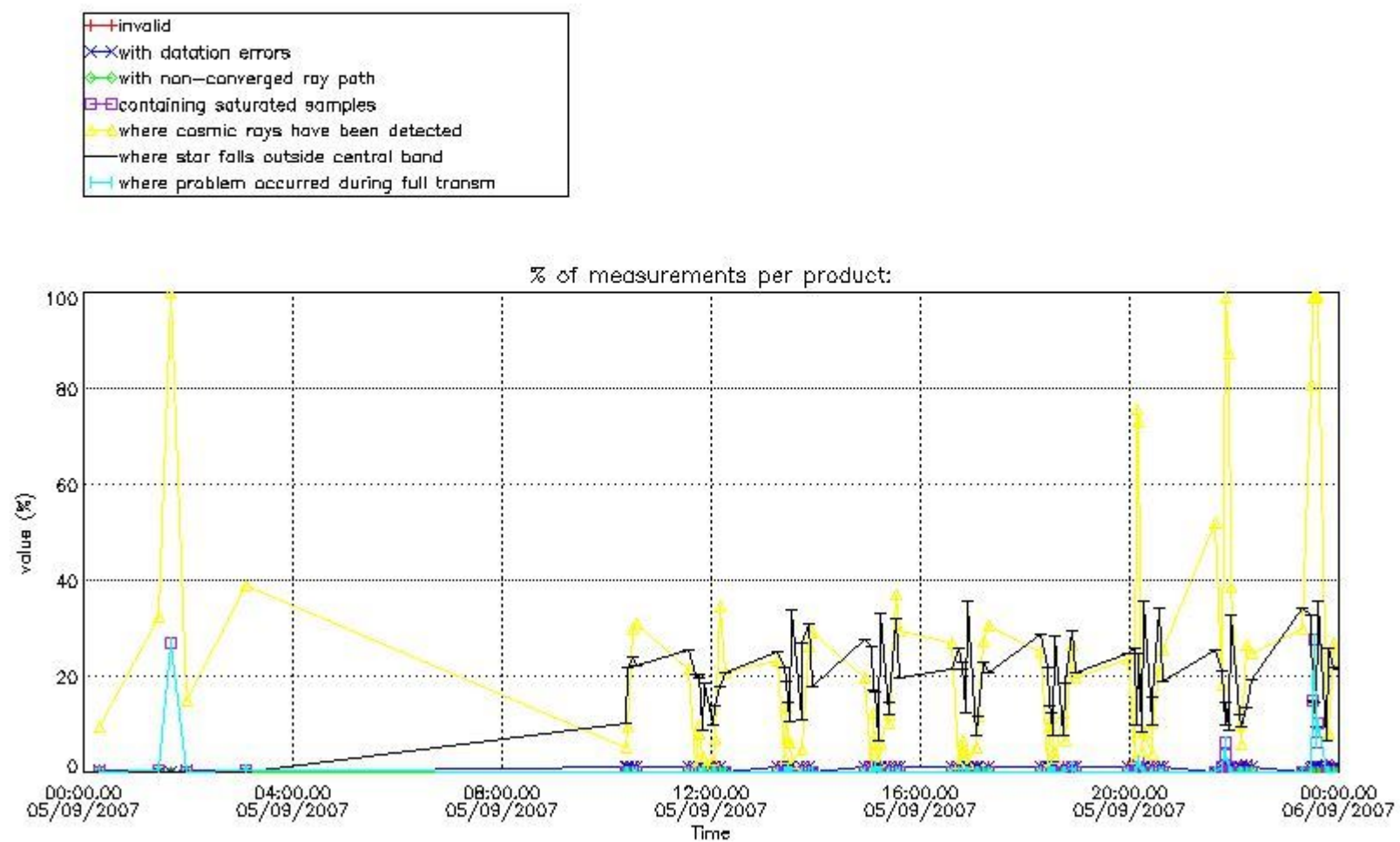


4. Level 1 quality information per product

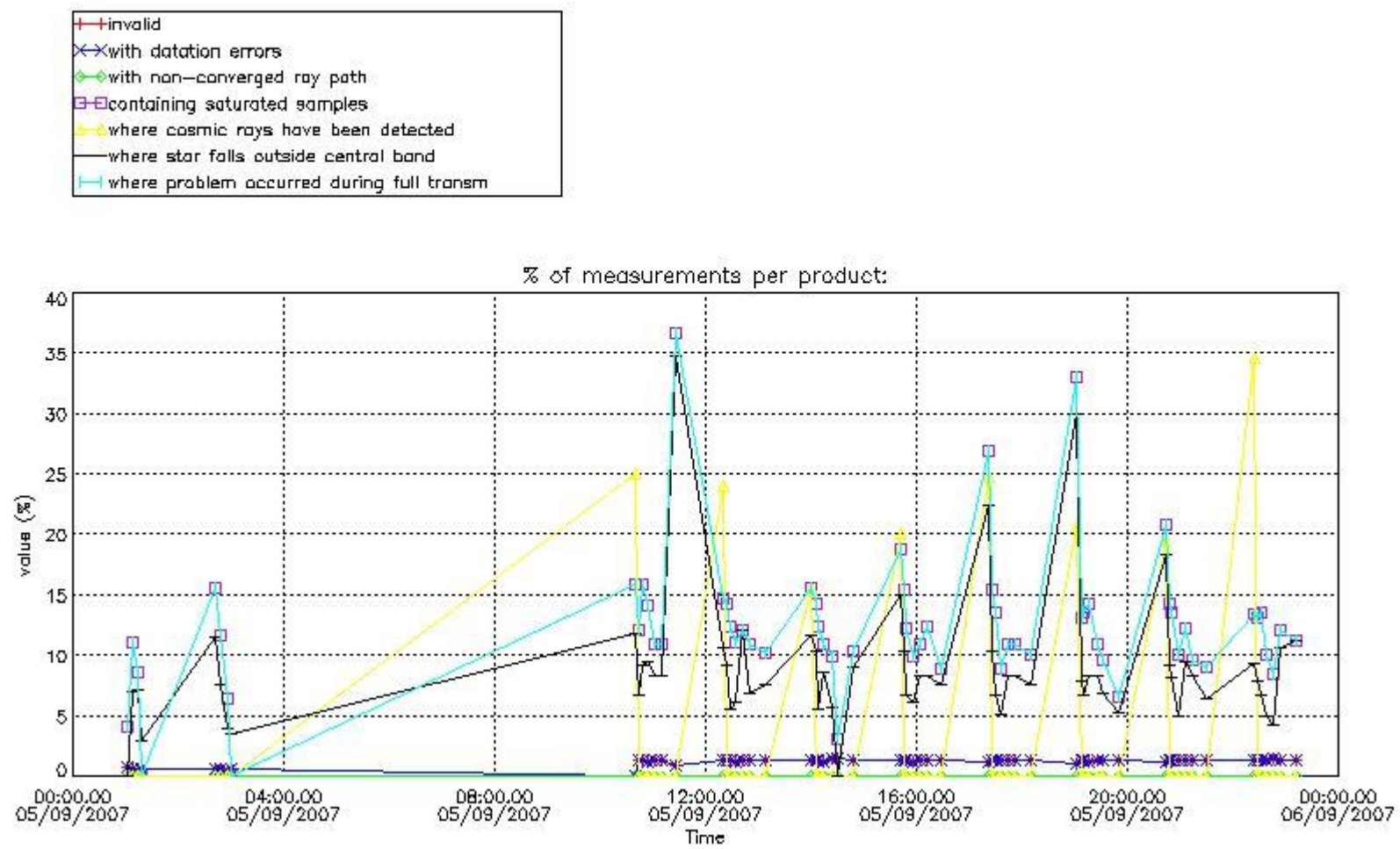
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



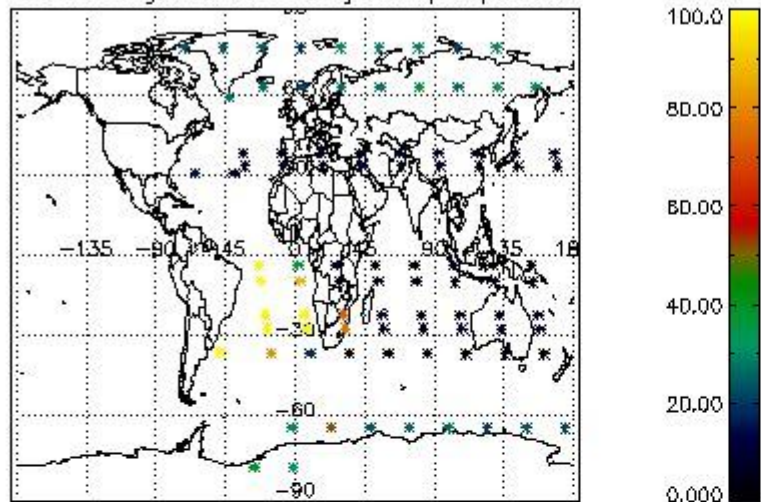
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



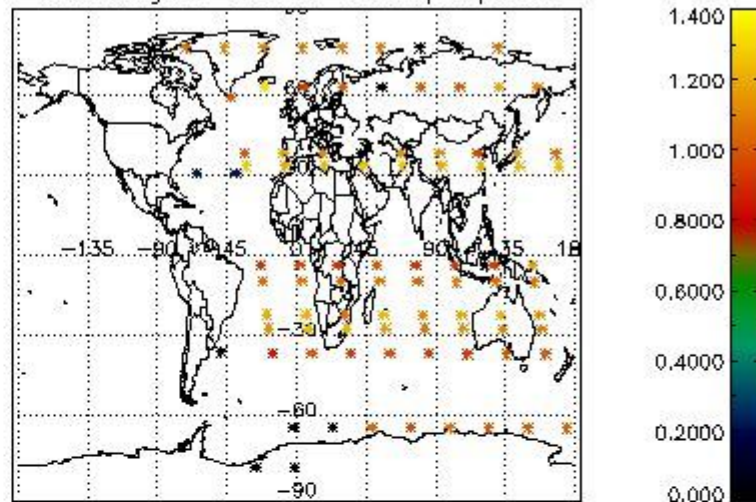
4.2 Plot quality information per product coming from level 1b processing (world map)

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

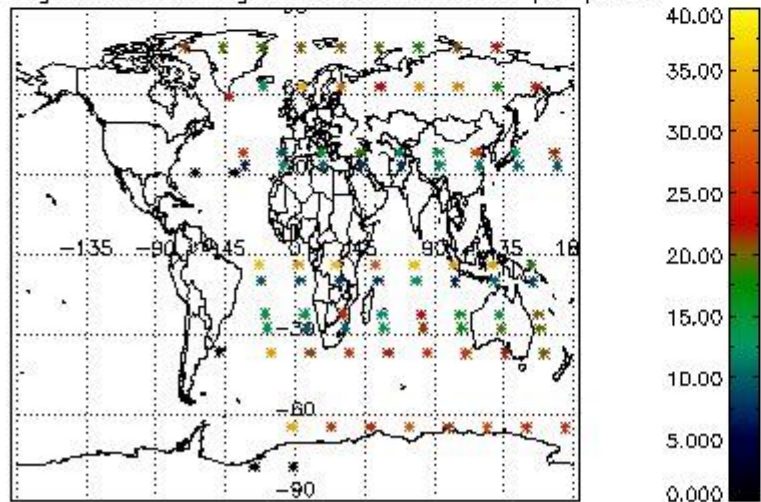
Percentage of cosmic ray hits per profile



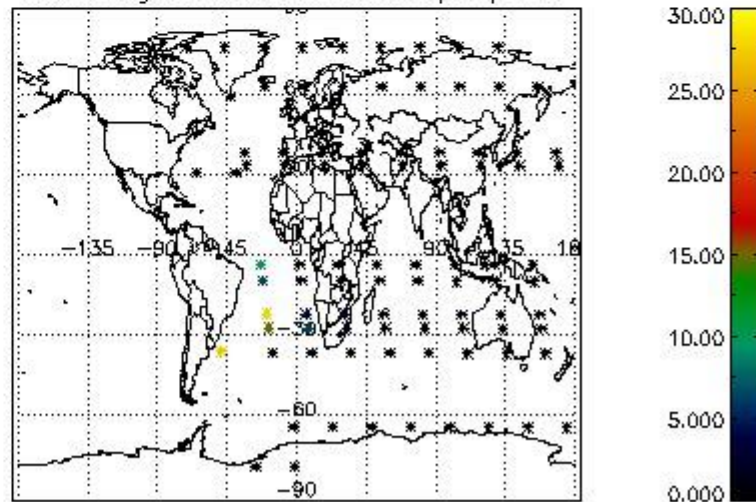
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

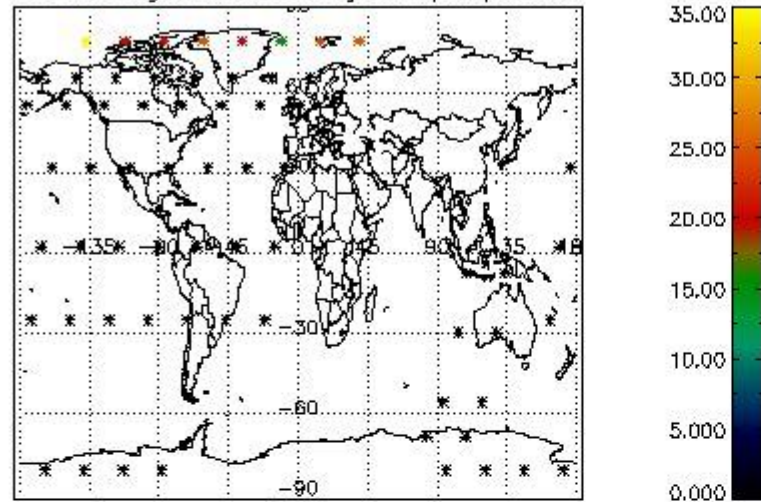


Percentage of saturation errors per profile

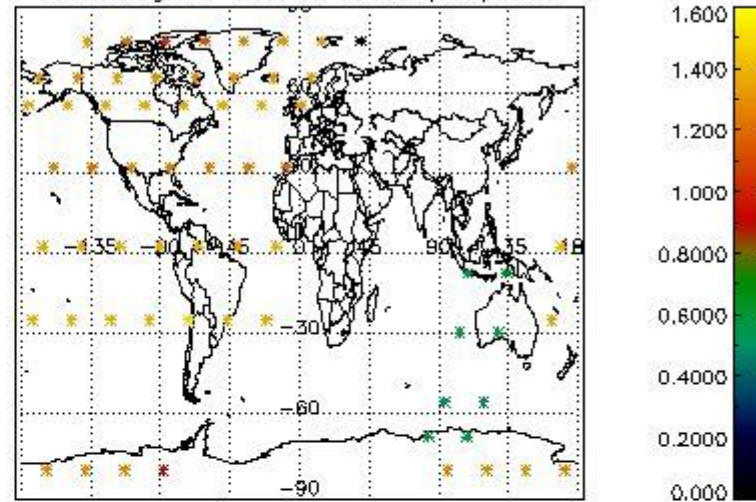


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

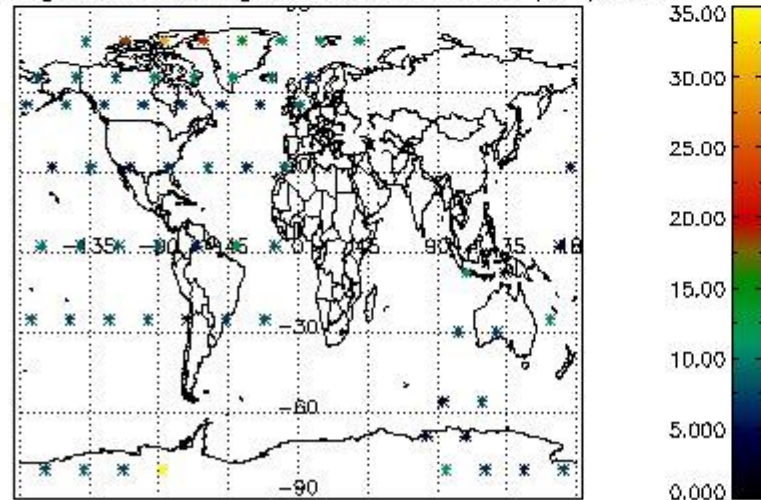
Percentage of cosmic ray hits per profile



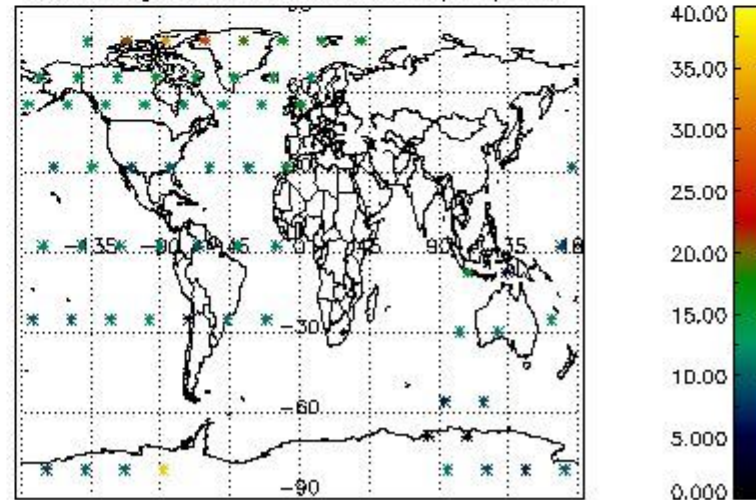
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

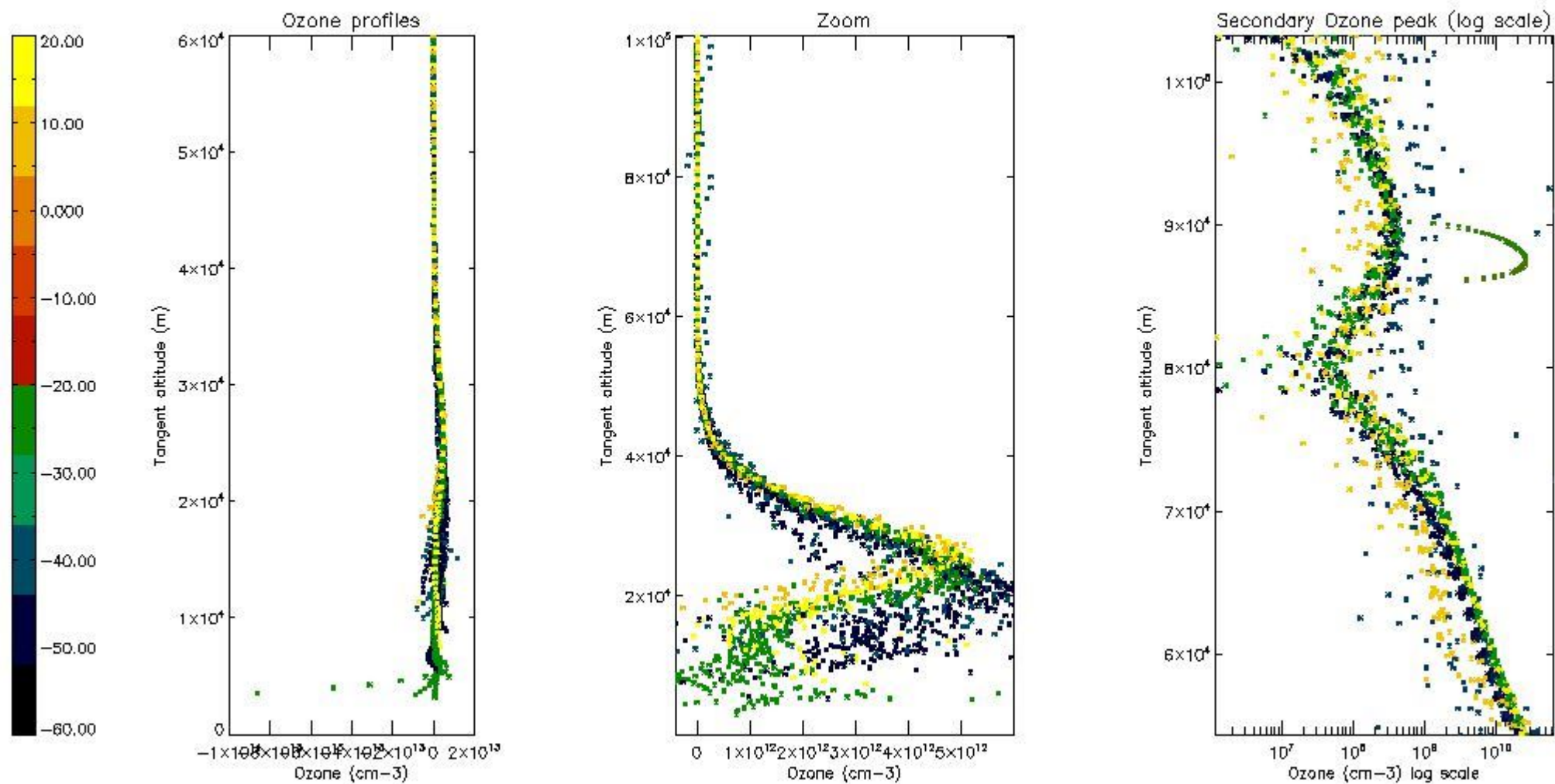
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	21

STD < 10	17
STD < 5	13

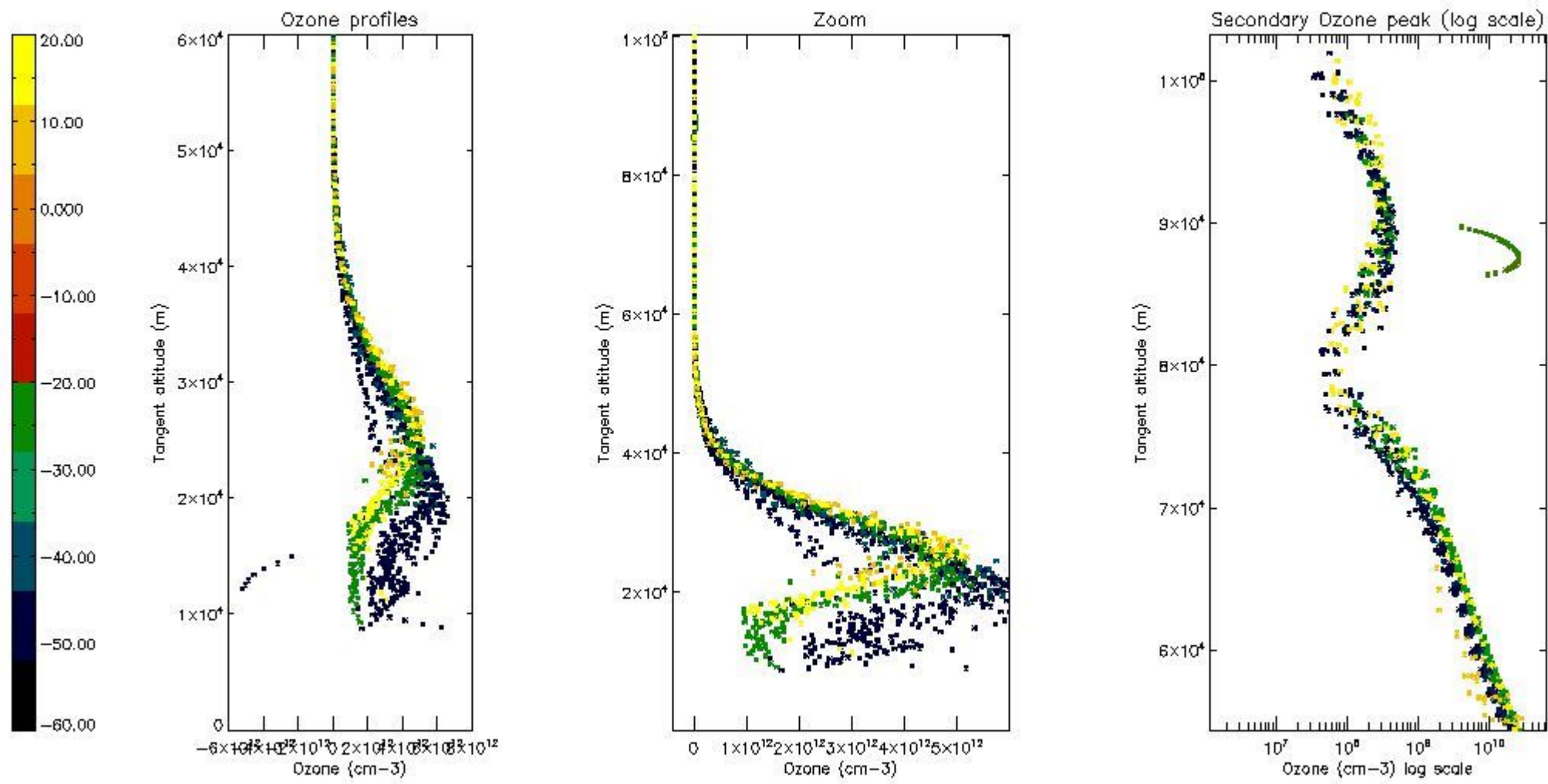
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



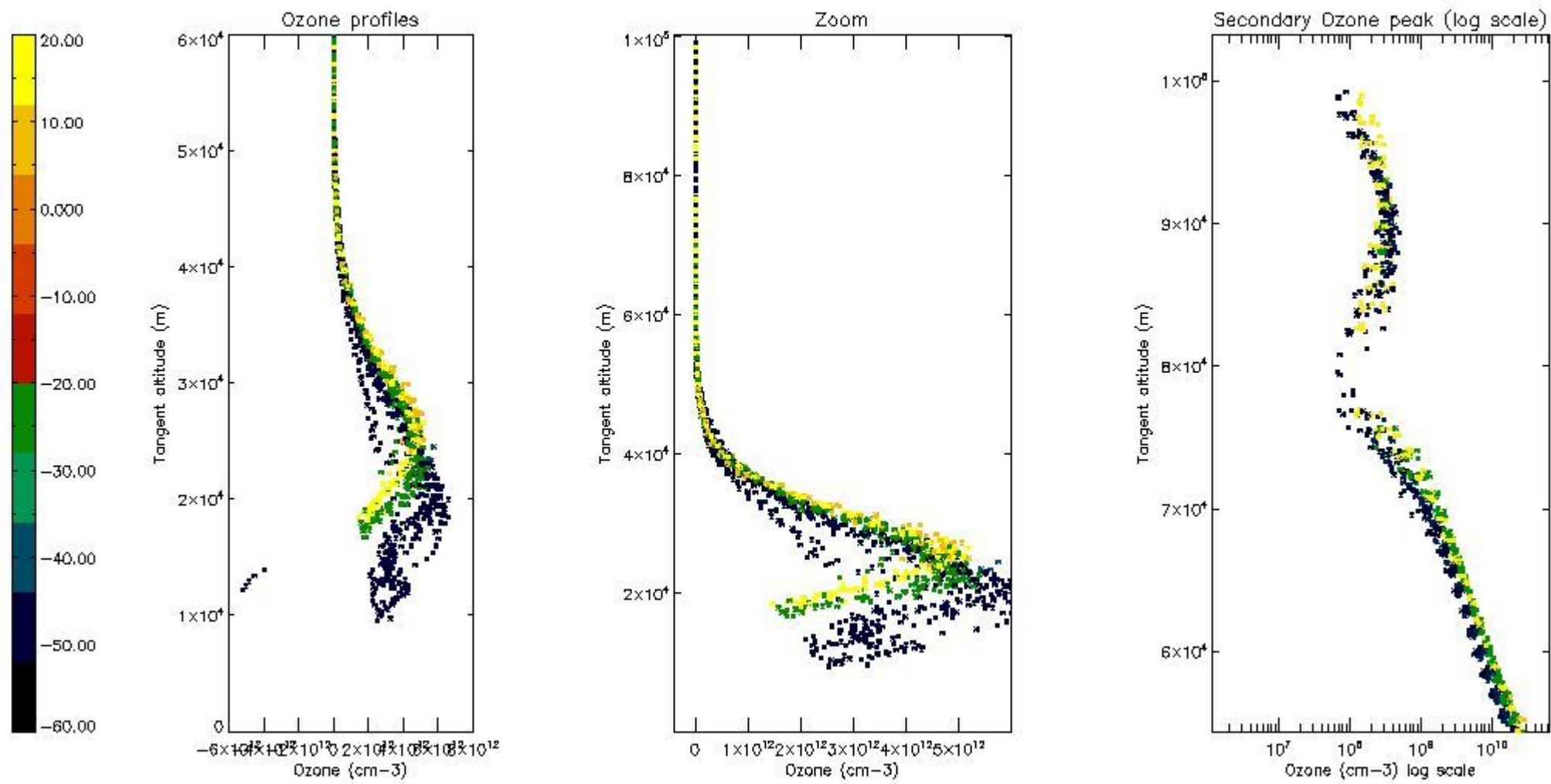
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



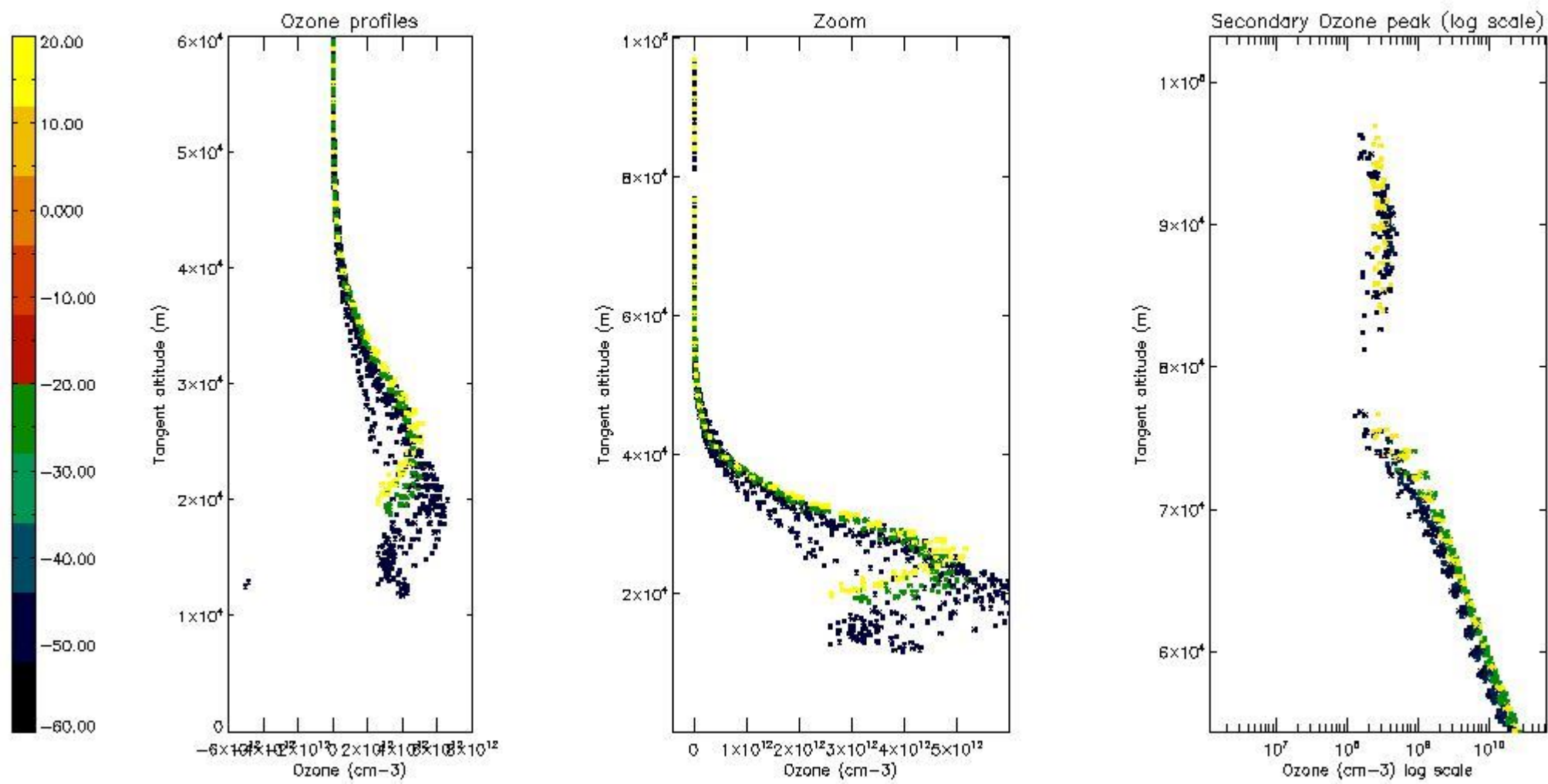
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



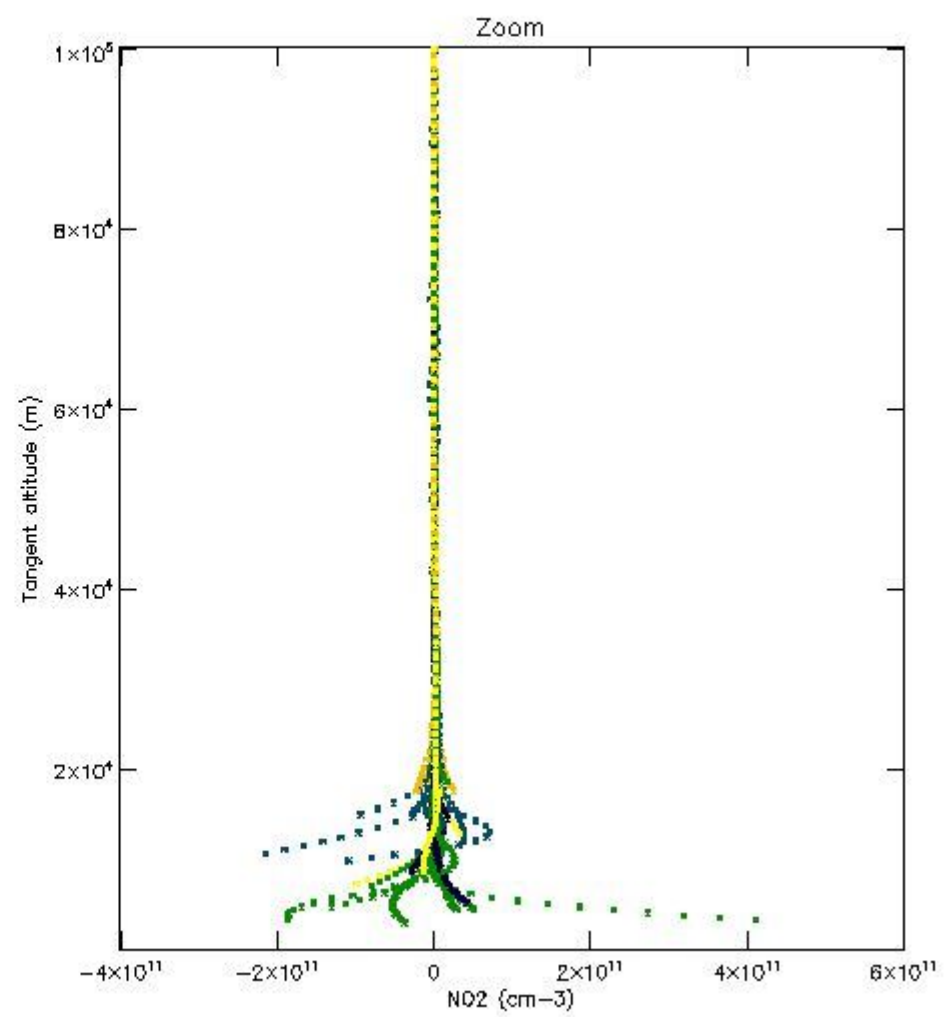
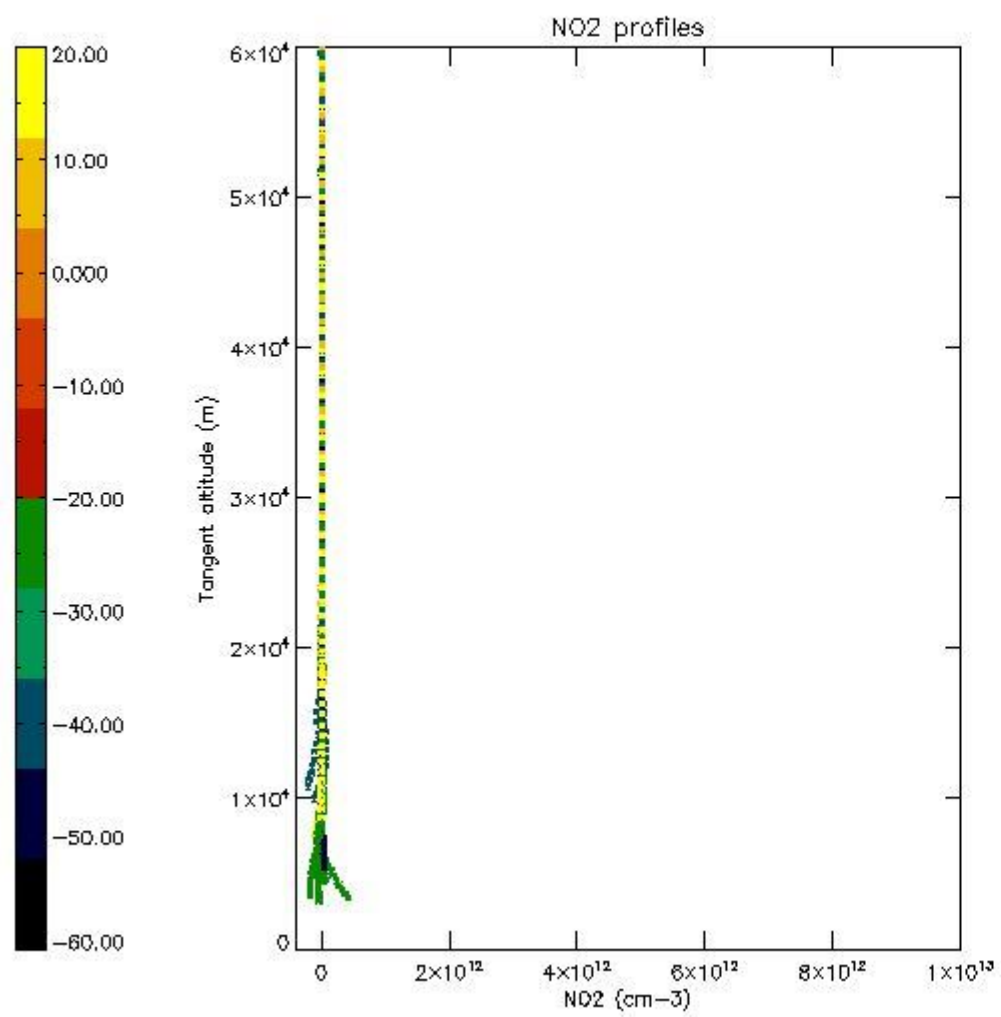
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



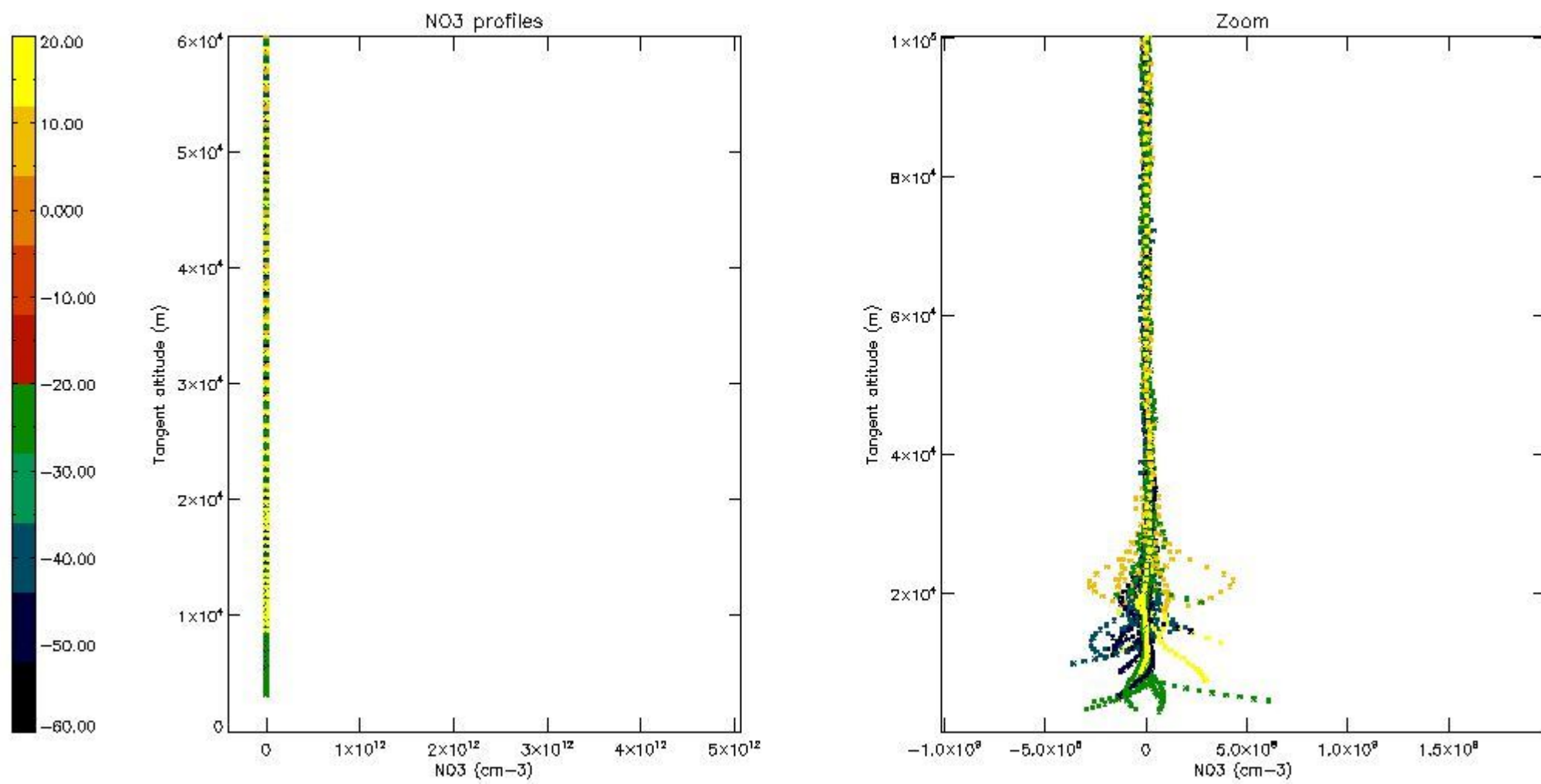
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



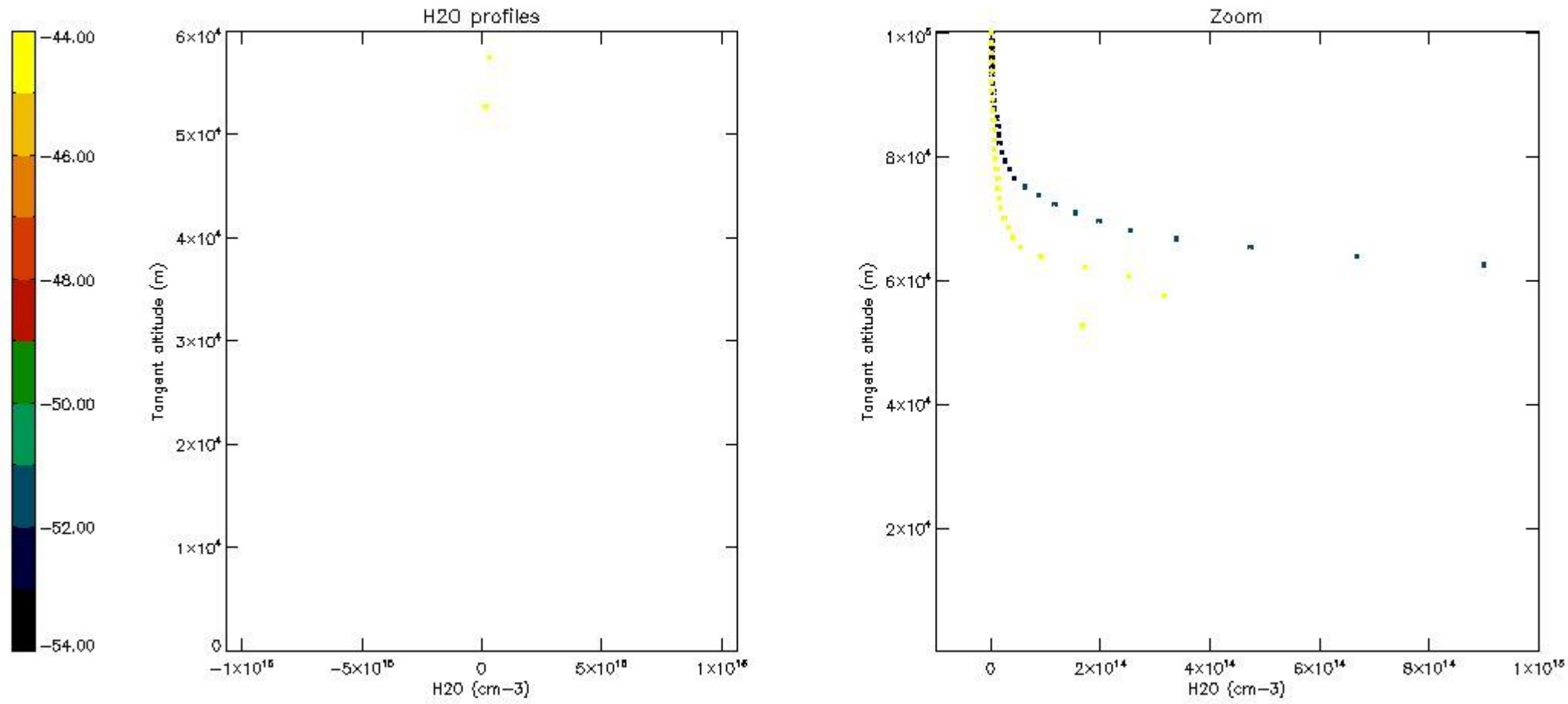
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

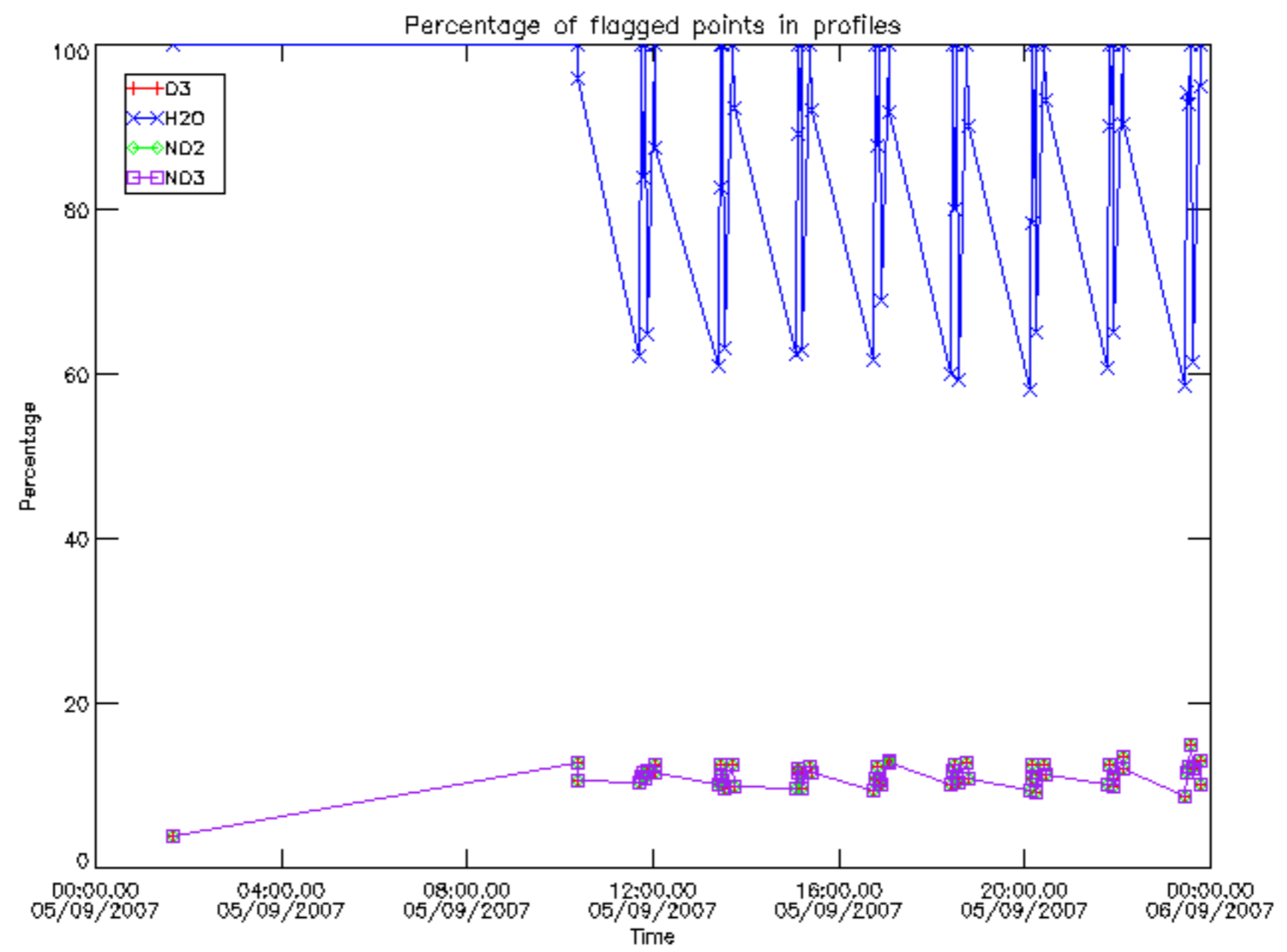
The colorbar represents the latitude.



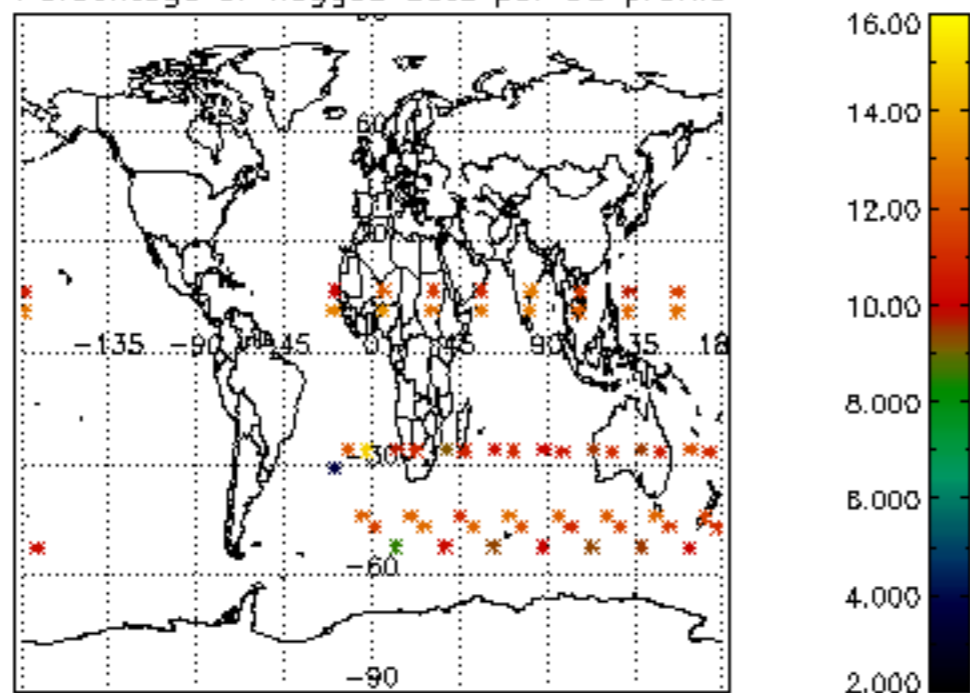
6. Auxiliary Data Files used for the production reported in section 2

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.

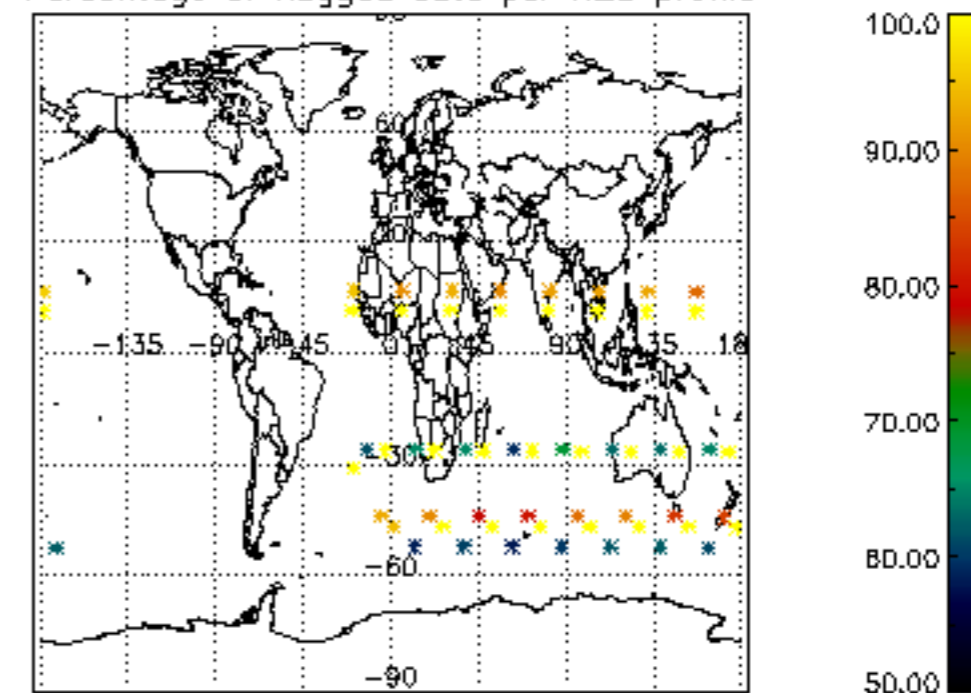
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-SEP-2007 00:17:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-SEP-2007 00:17:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-SEP-2007 00:17:29



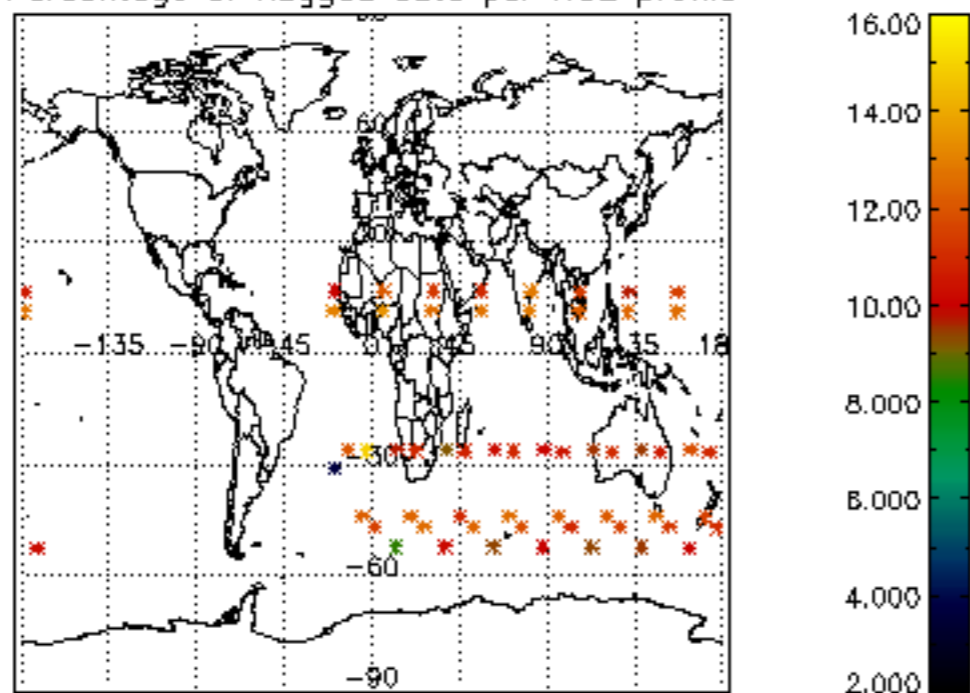
Percentage of flagged data per D3 profile



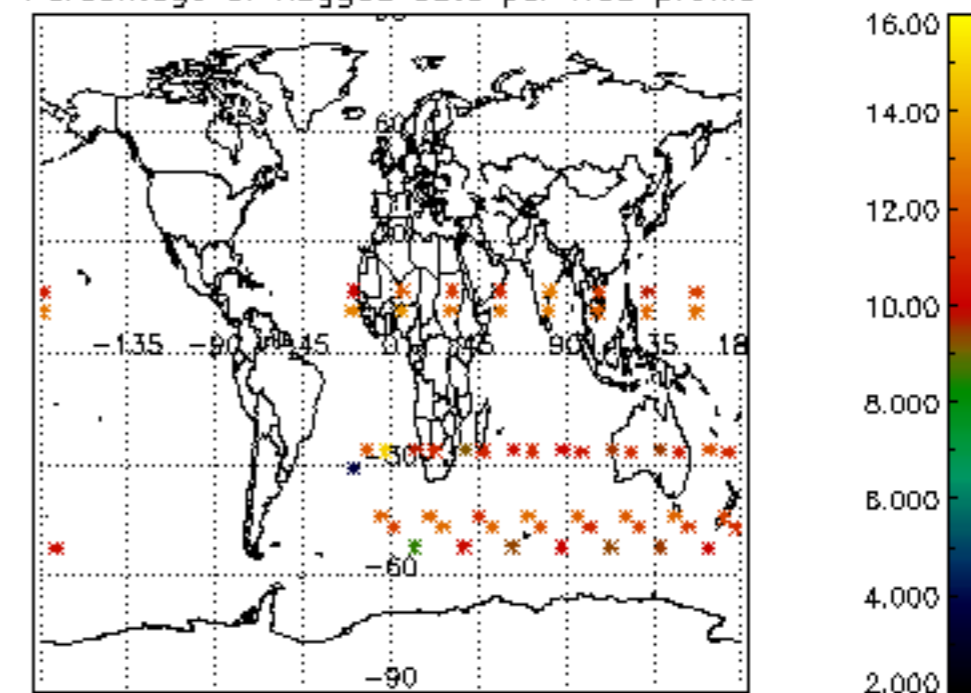
Percentage of flagged data per H2O profile

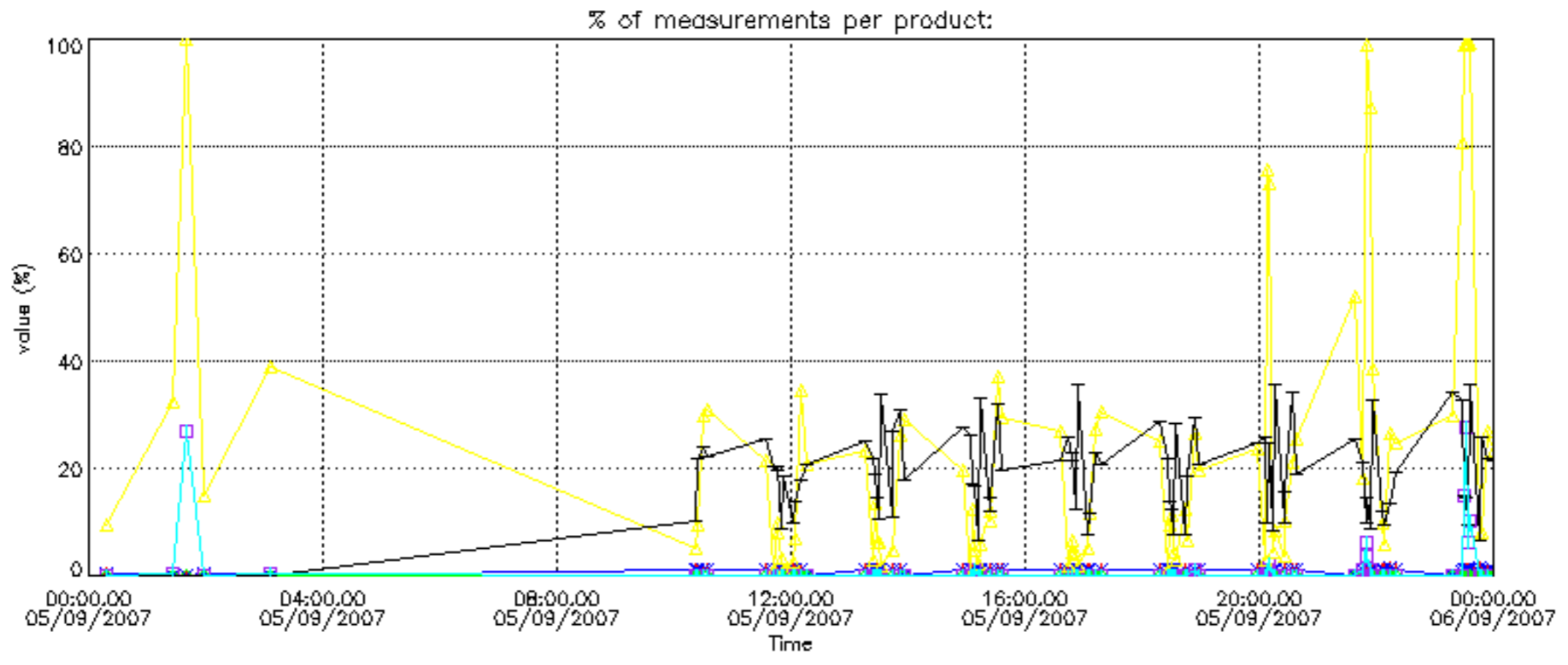


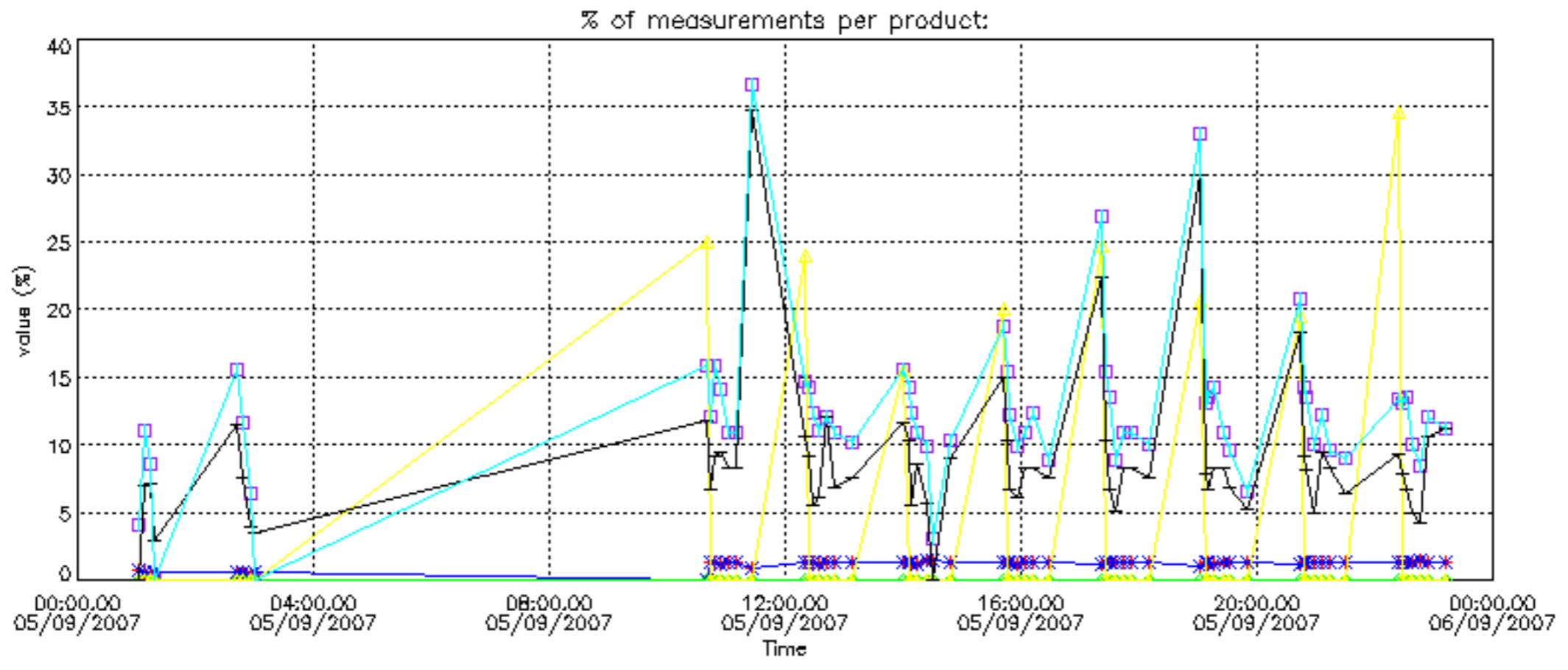
Percentage of flagged data per NO2 profile



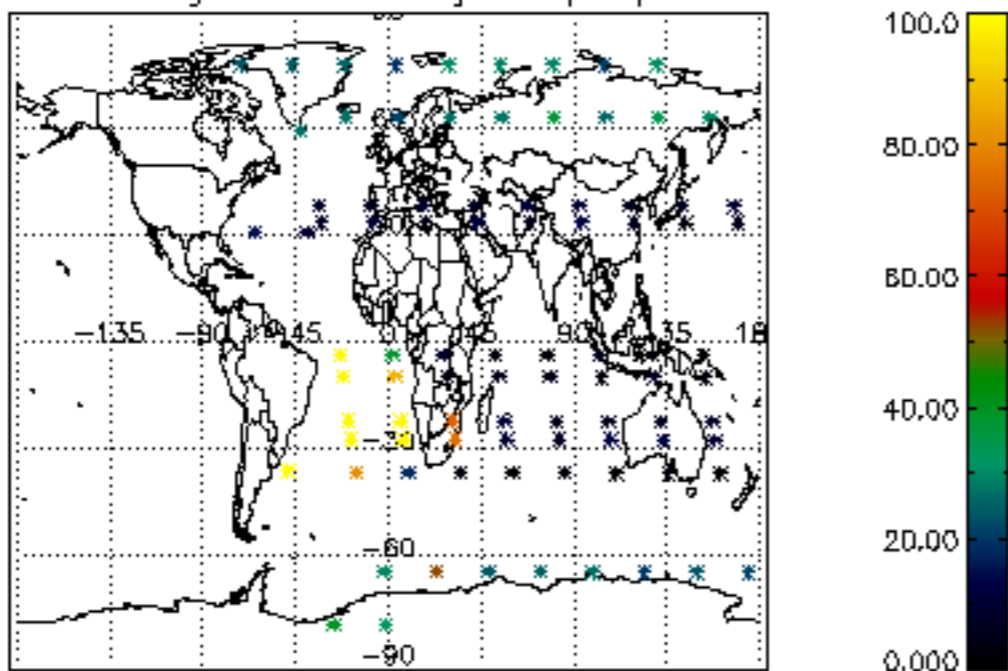
Percentage of flagged data per NO3 profile



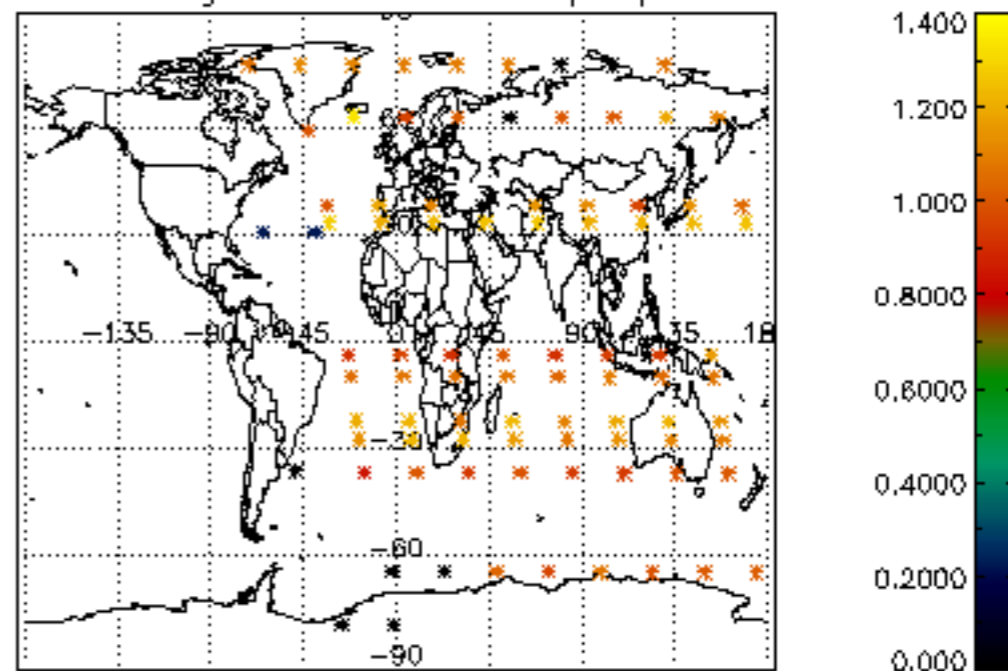




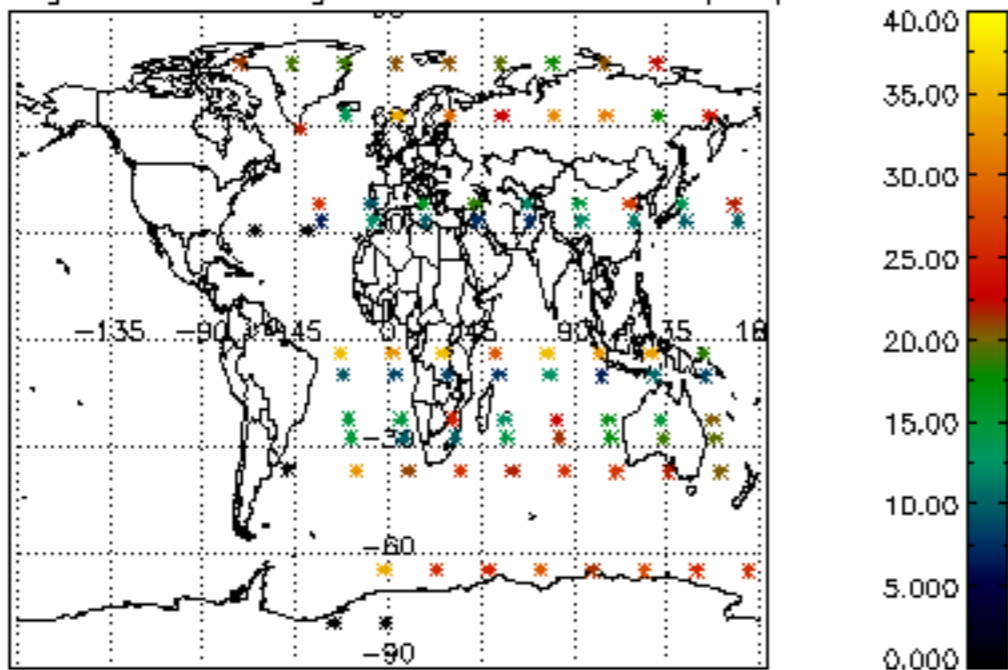
Percentage of cosmic ray hits per profile



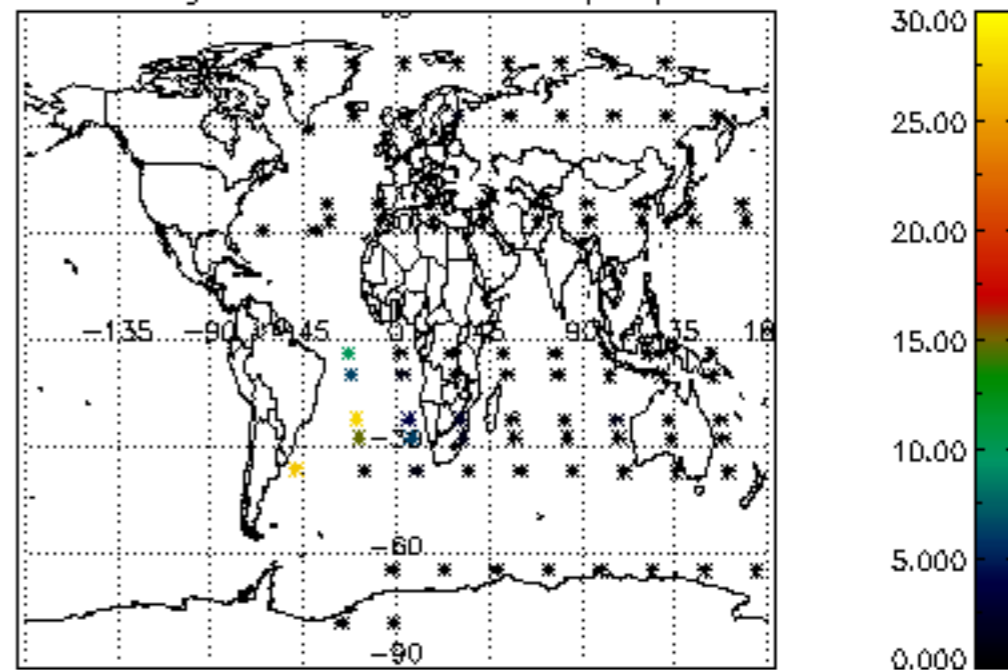
Percentage of datation errors per profile



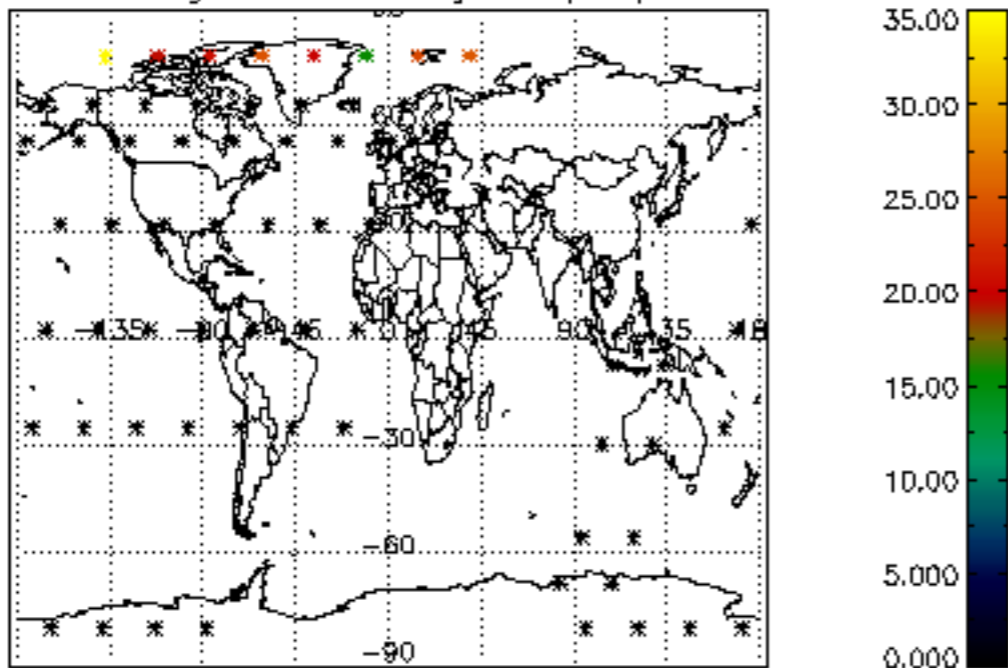
Percentage of star falling outside central band per profile



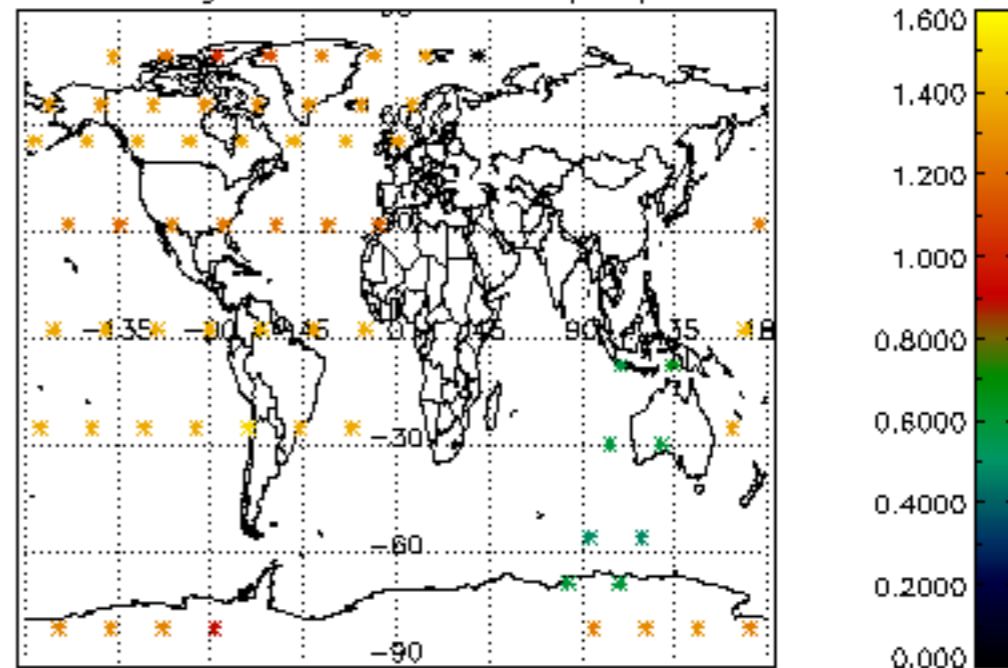
Percentage of saturation errors per profile



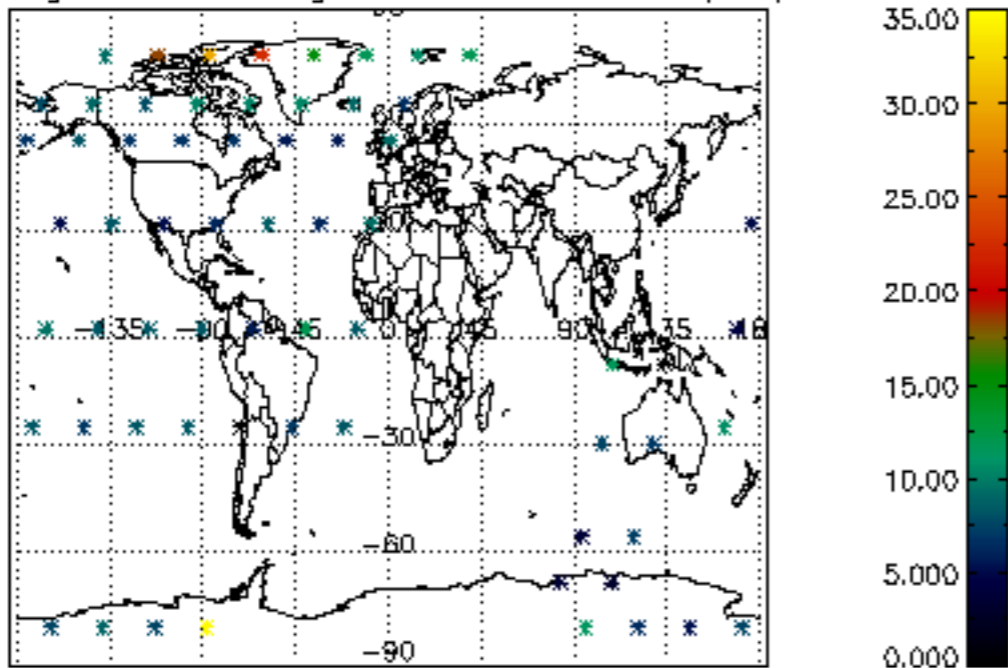
Percentage of cosmic ray hits per profile



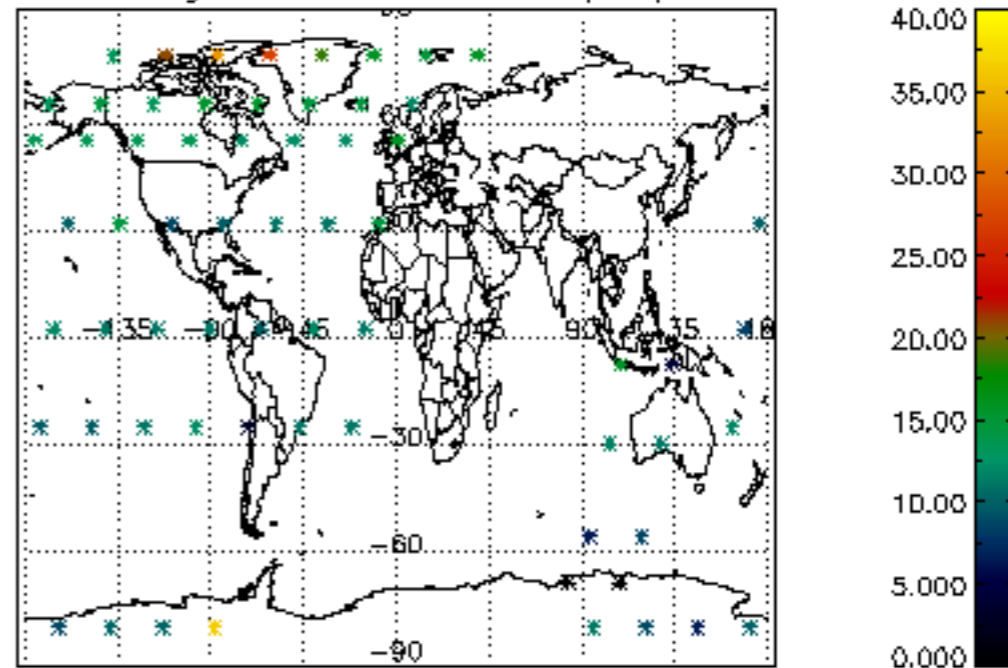
Percentage of datation errors per profile

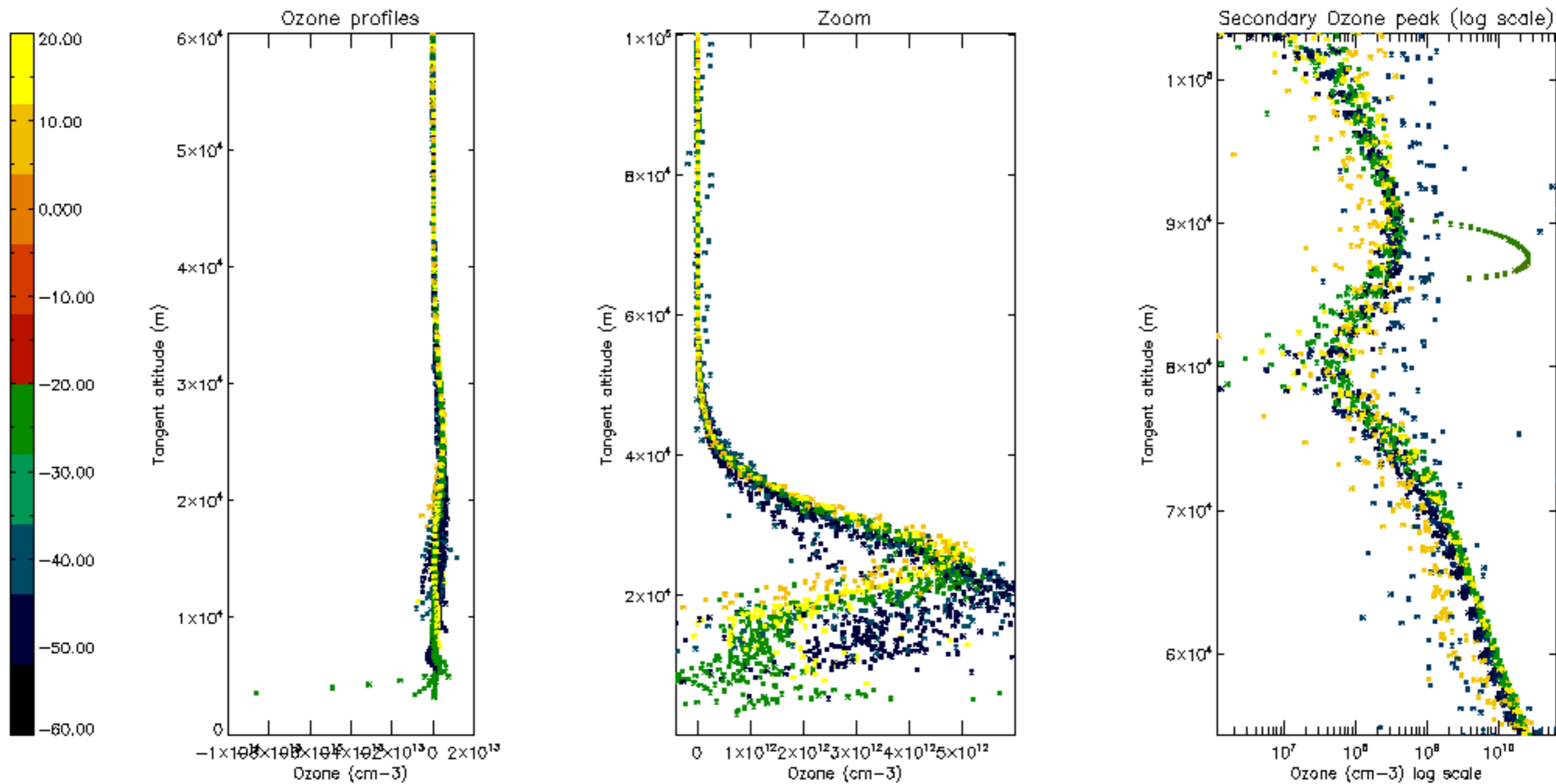


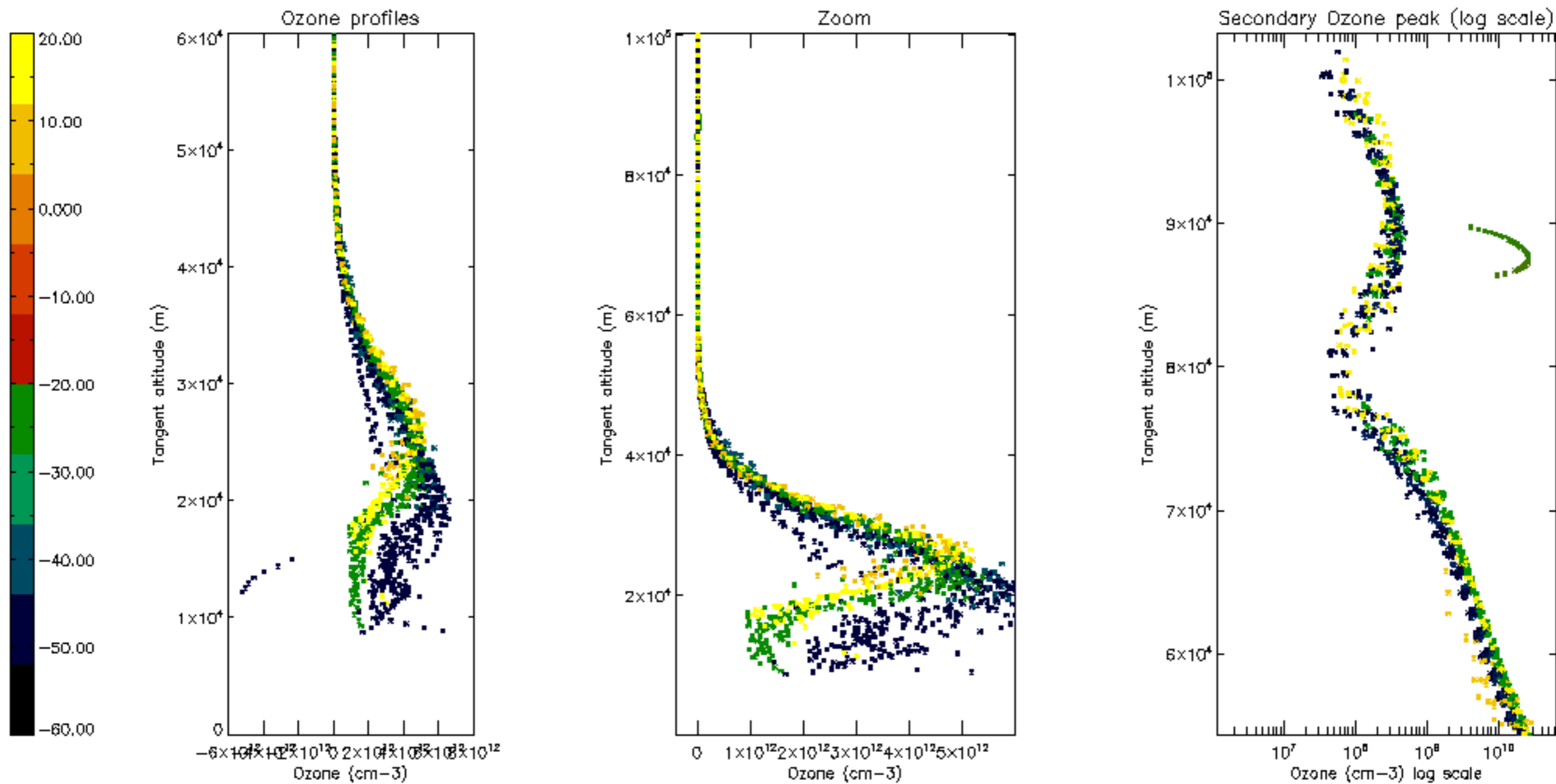
Percentage of star falling outside central band per profile

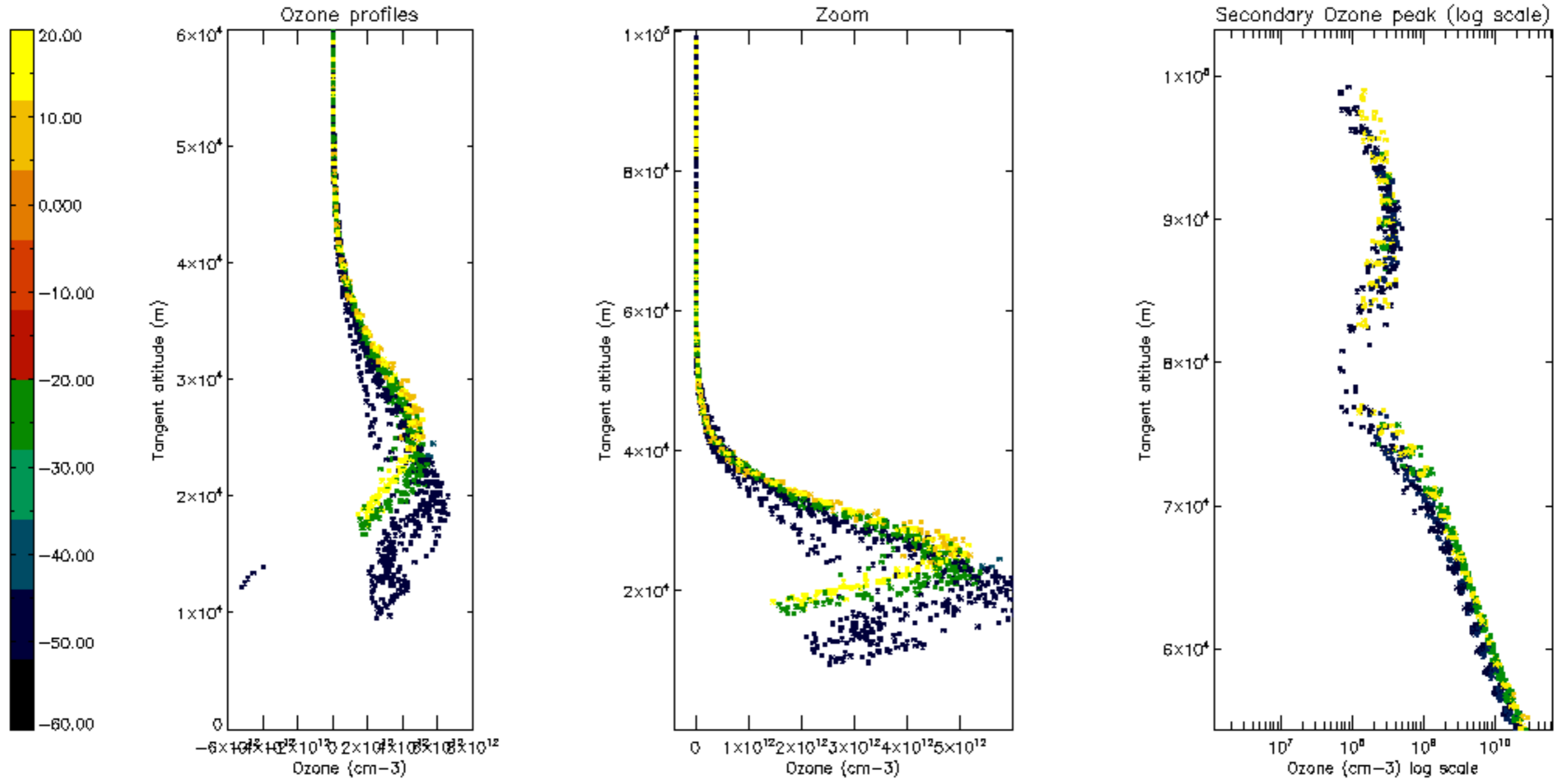


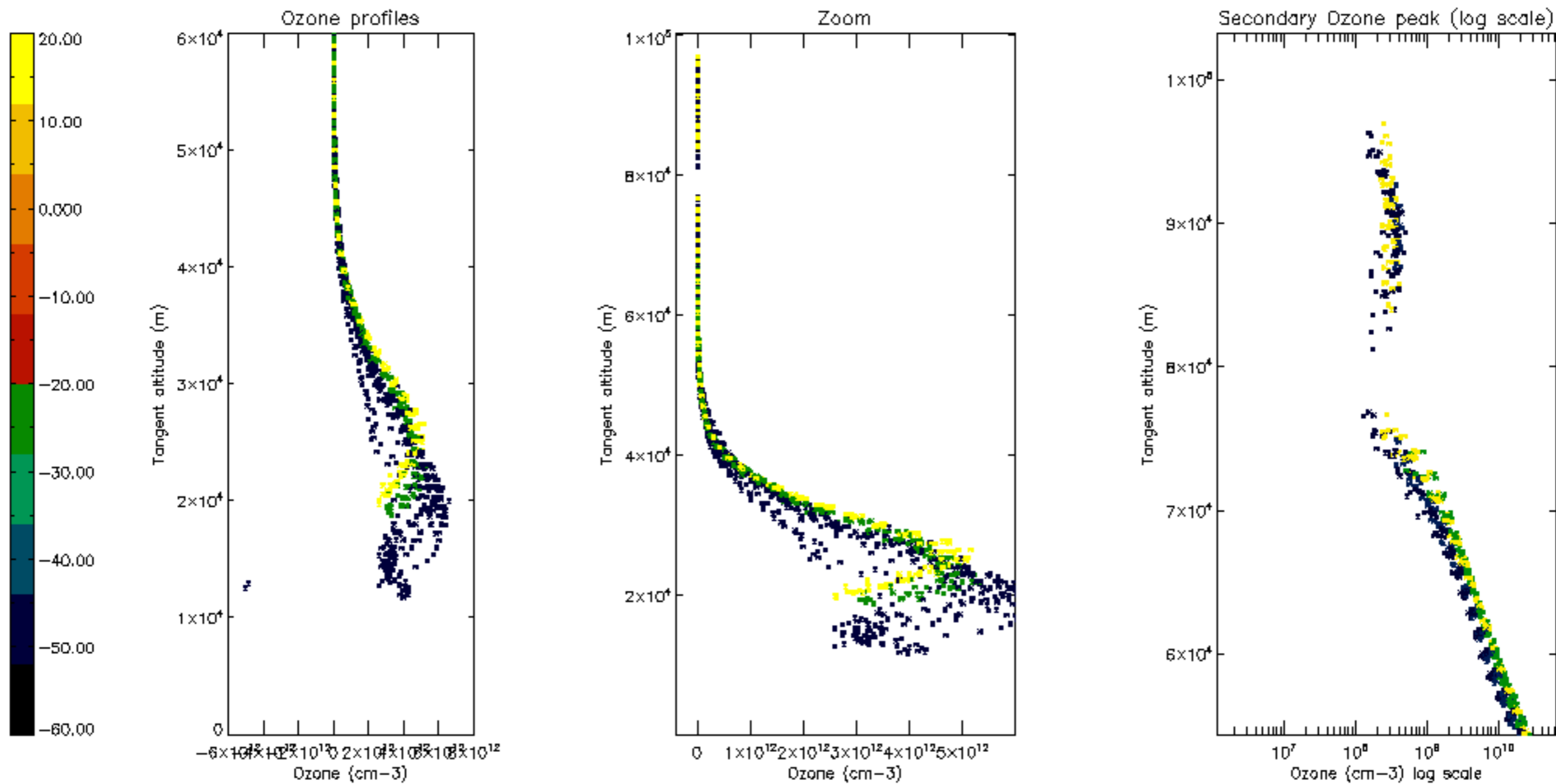
Percentage of saturation errors per profile

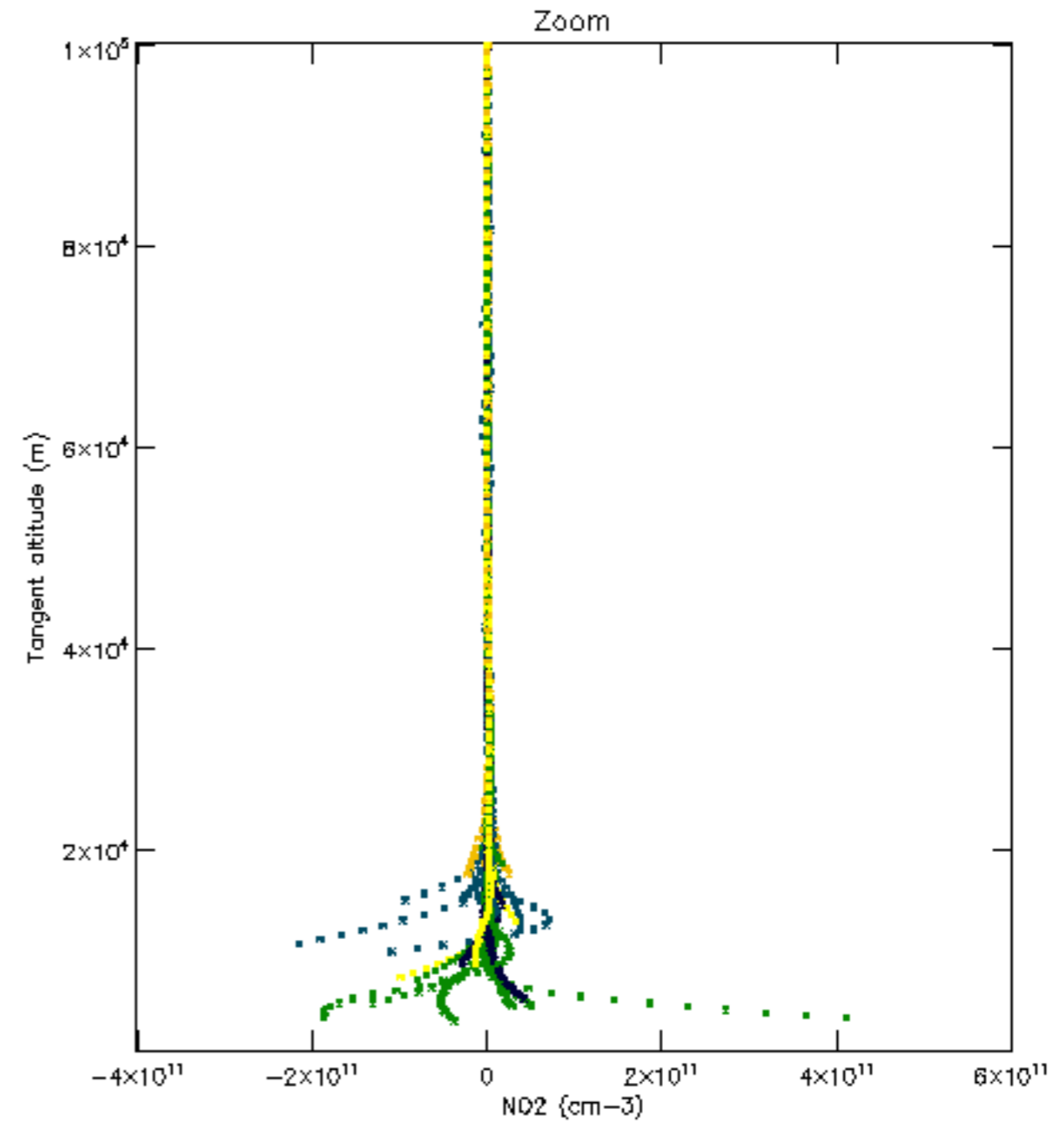
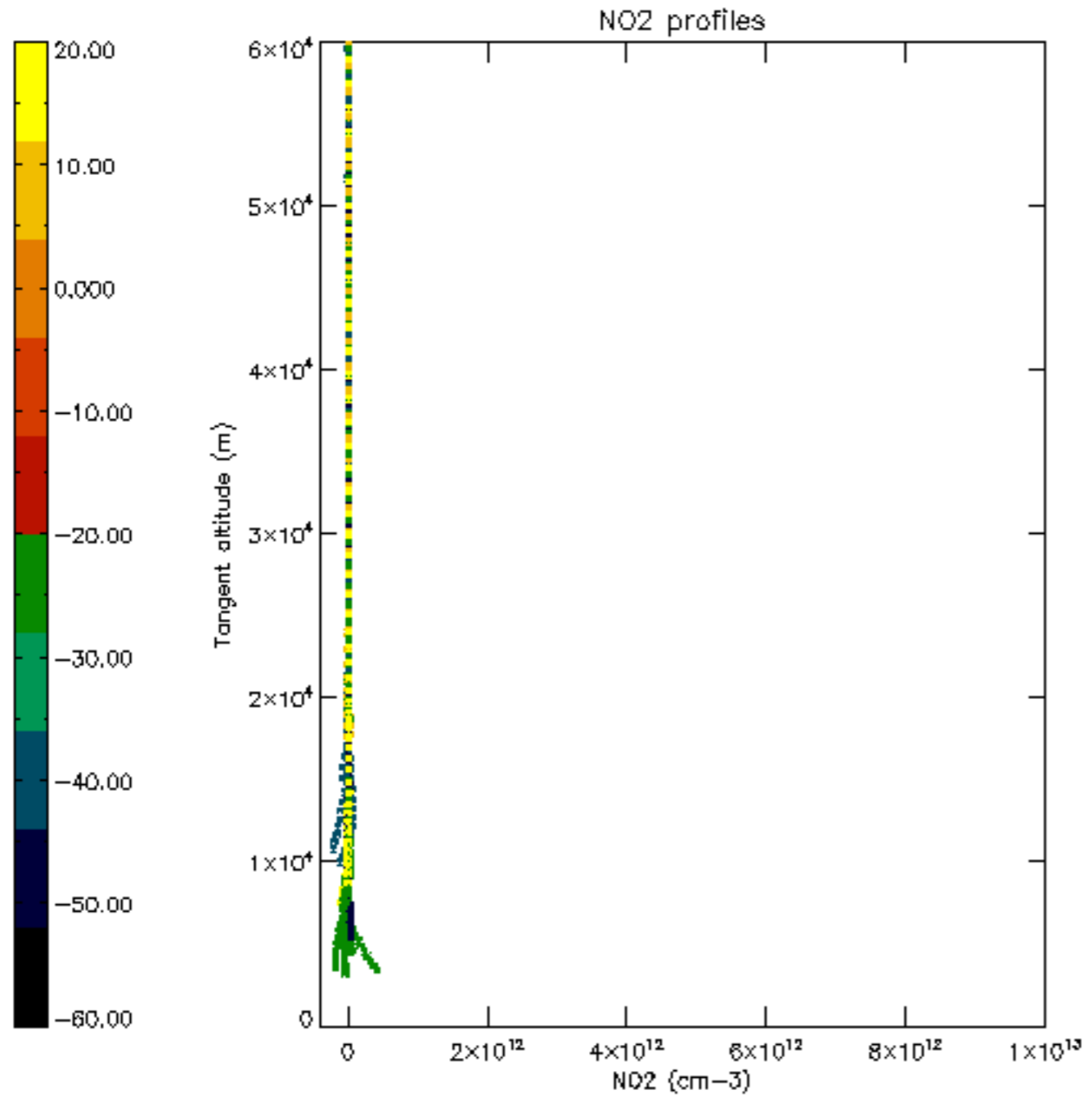


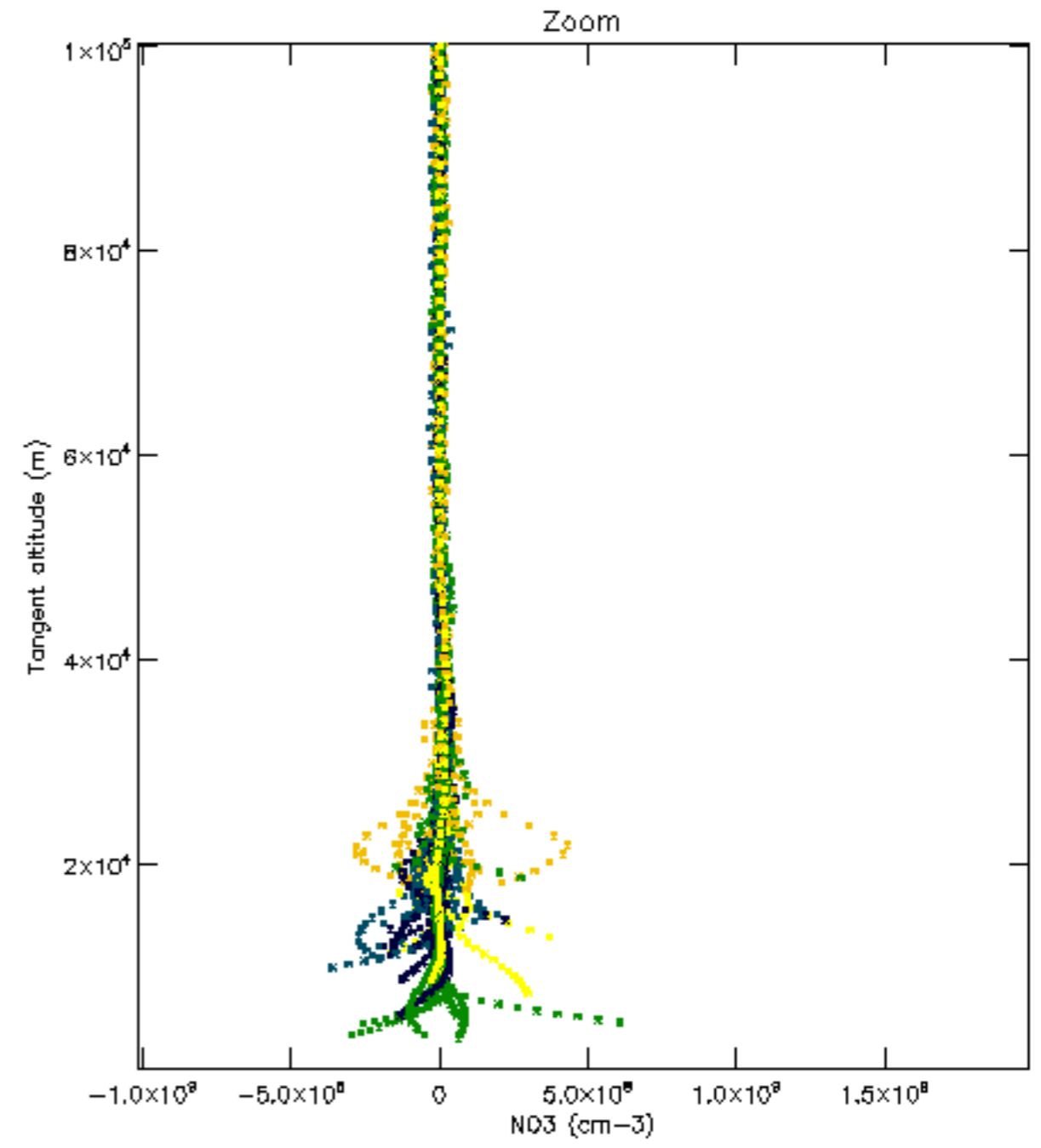
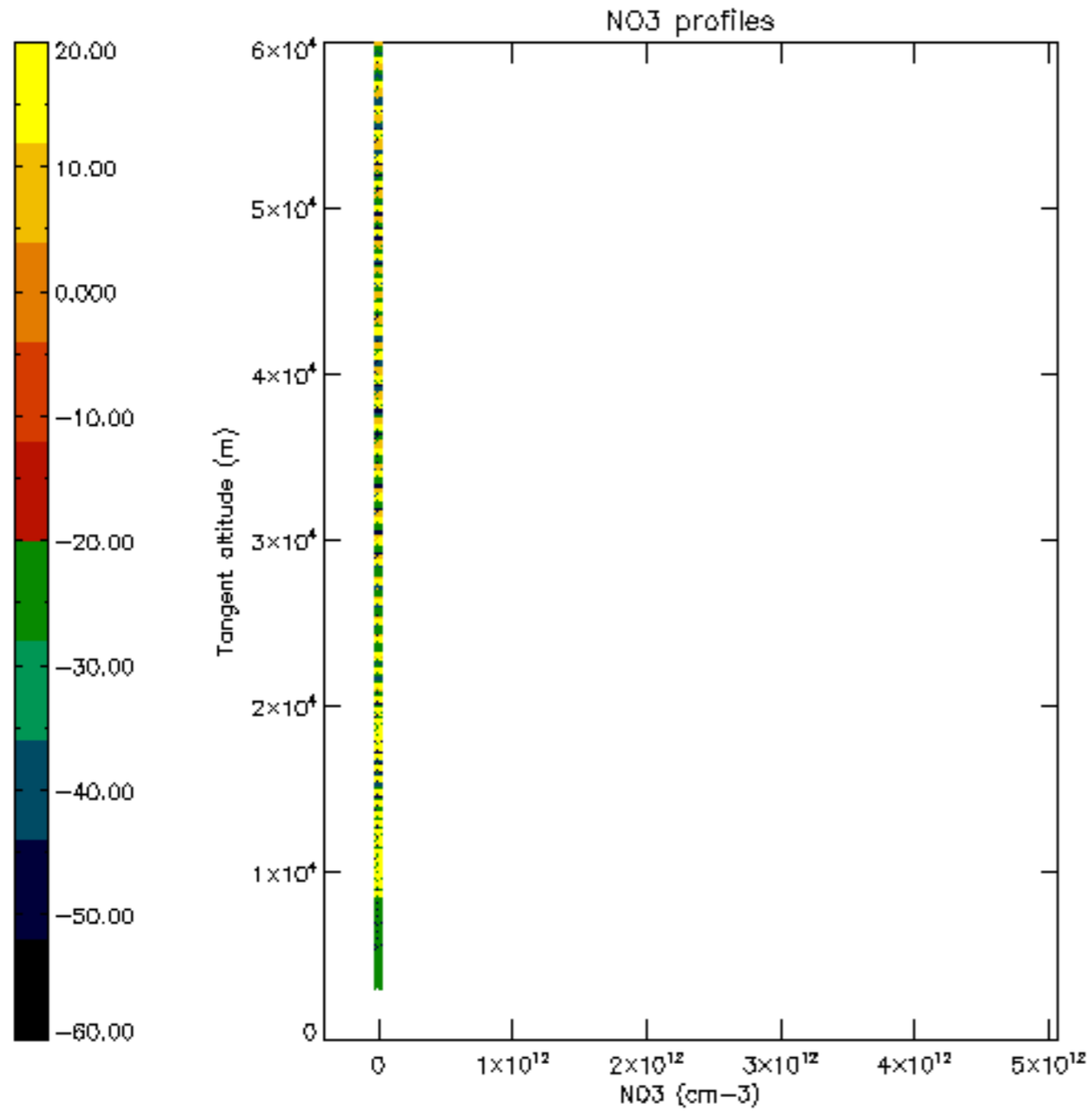


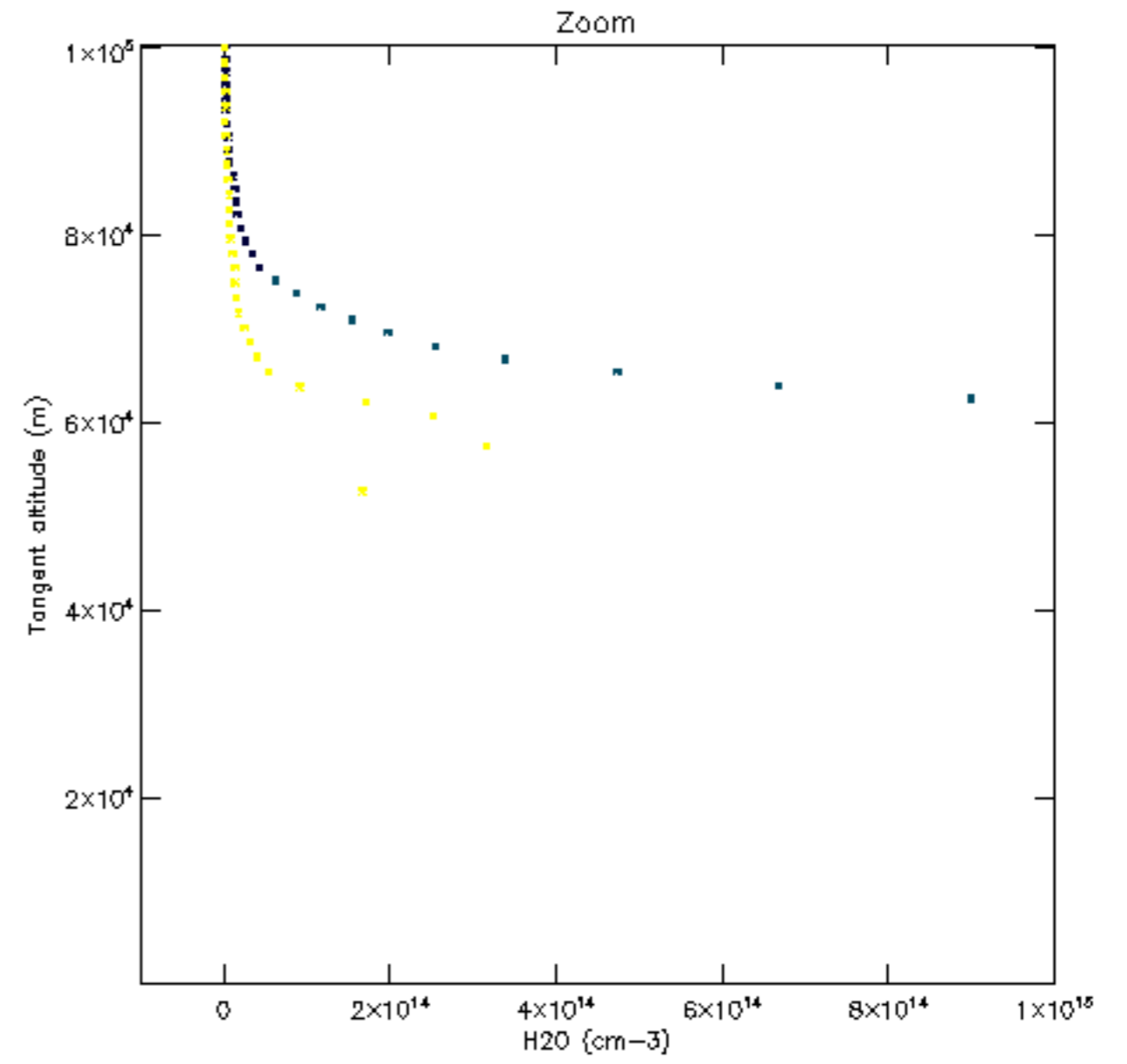
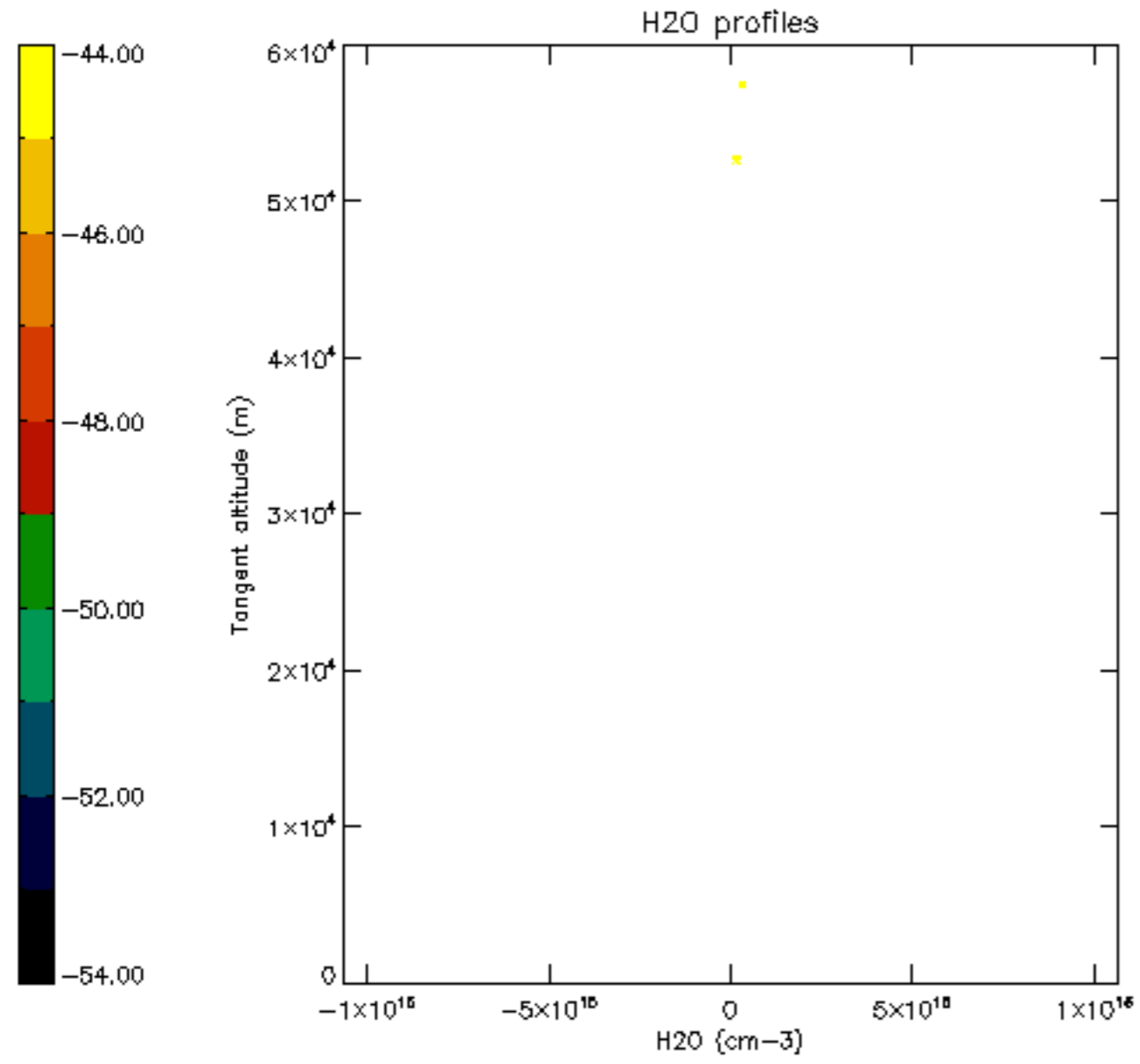


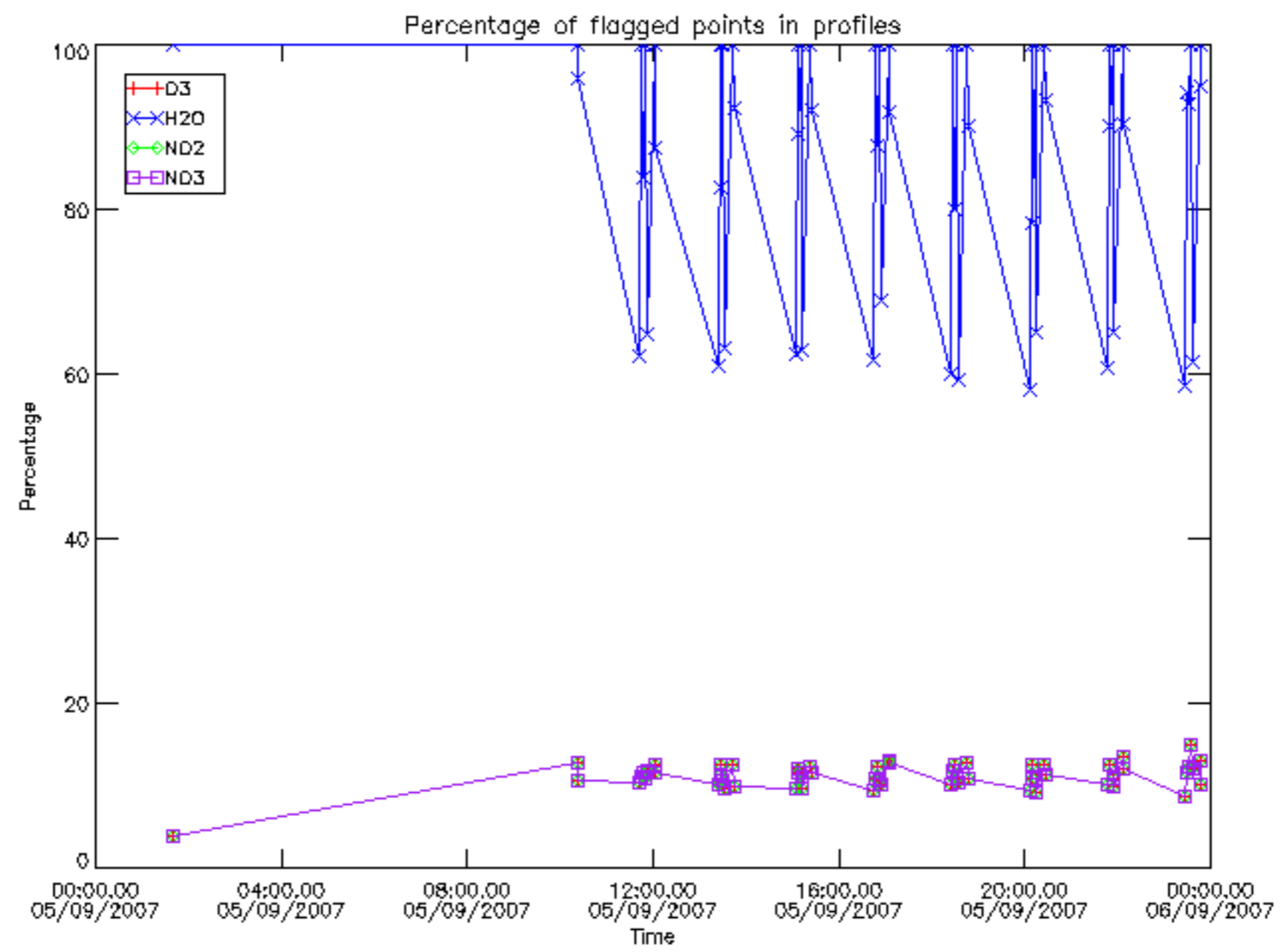




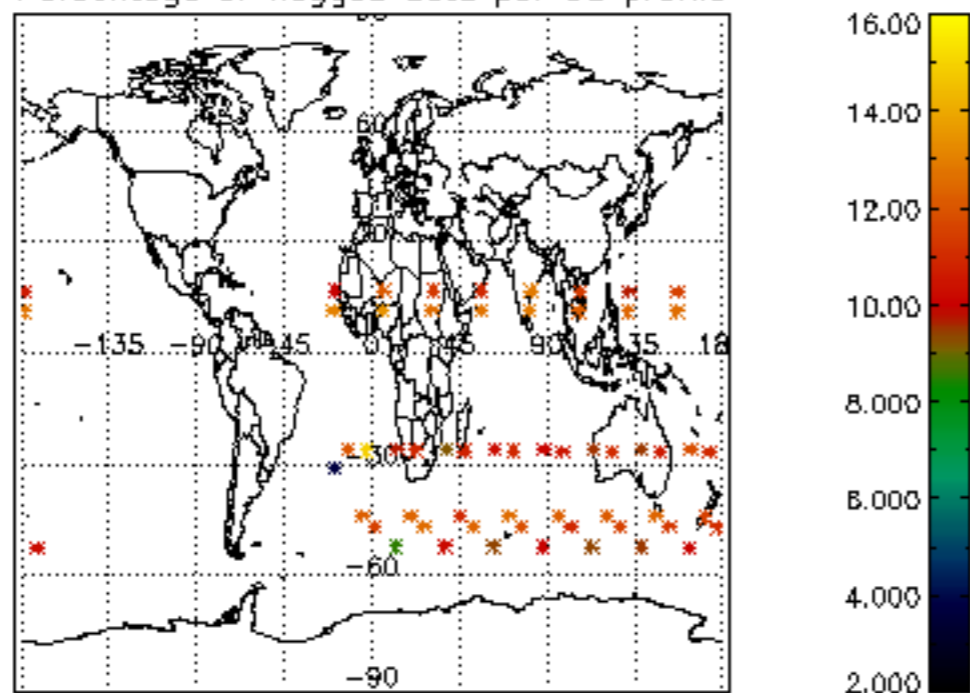




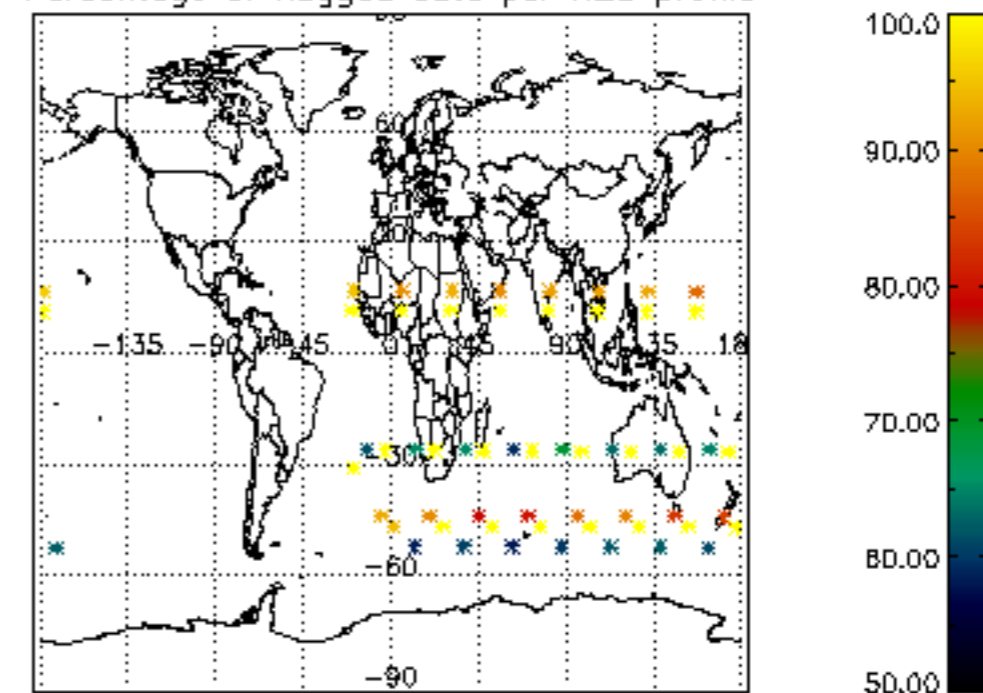




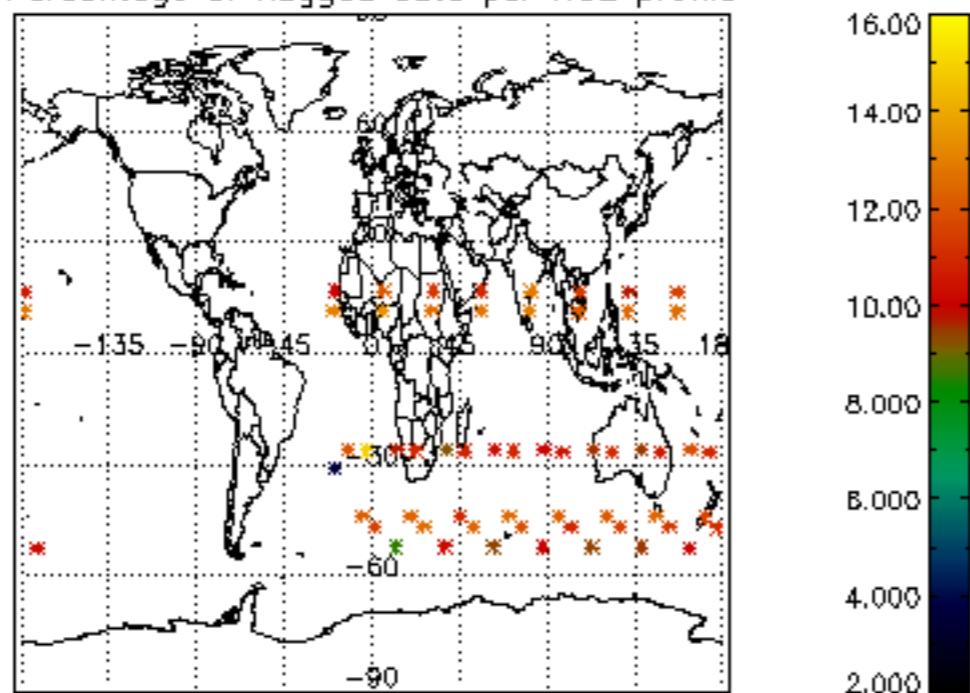
Percentage of flagged data per D3 profile



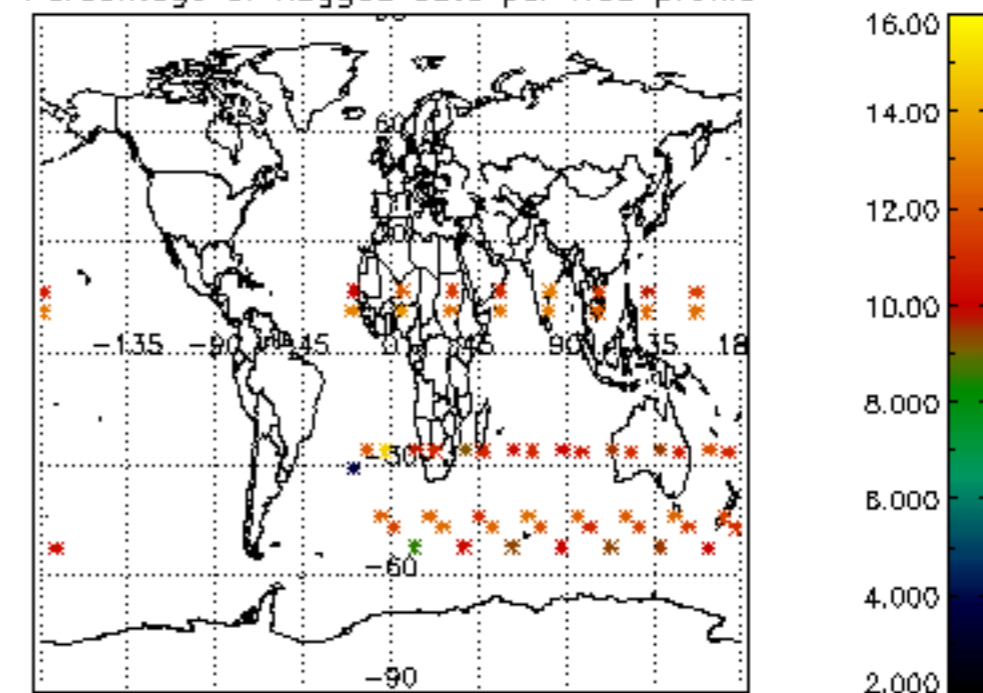
Percentage of flagged data per H2O profile

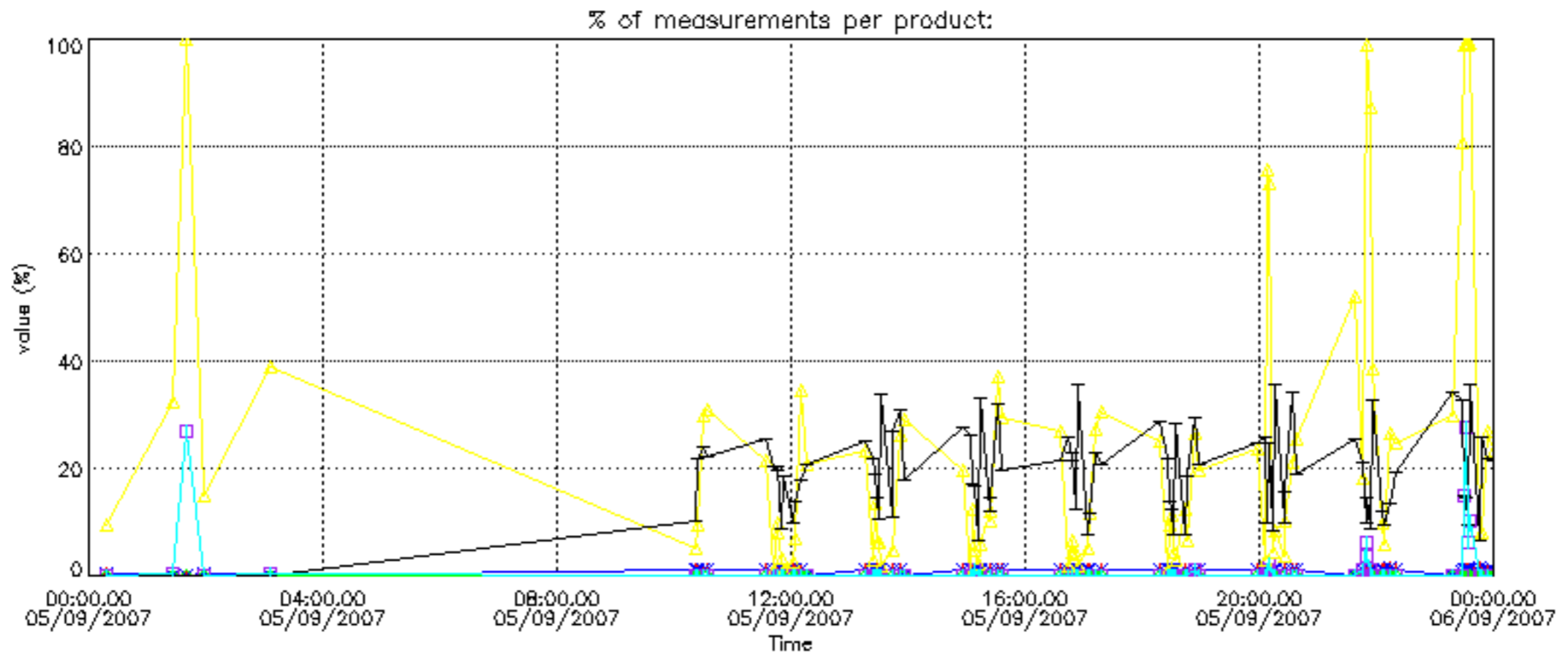


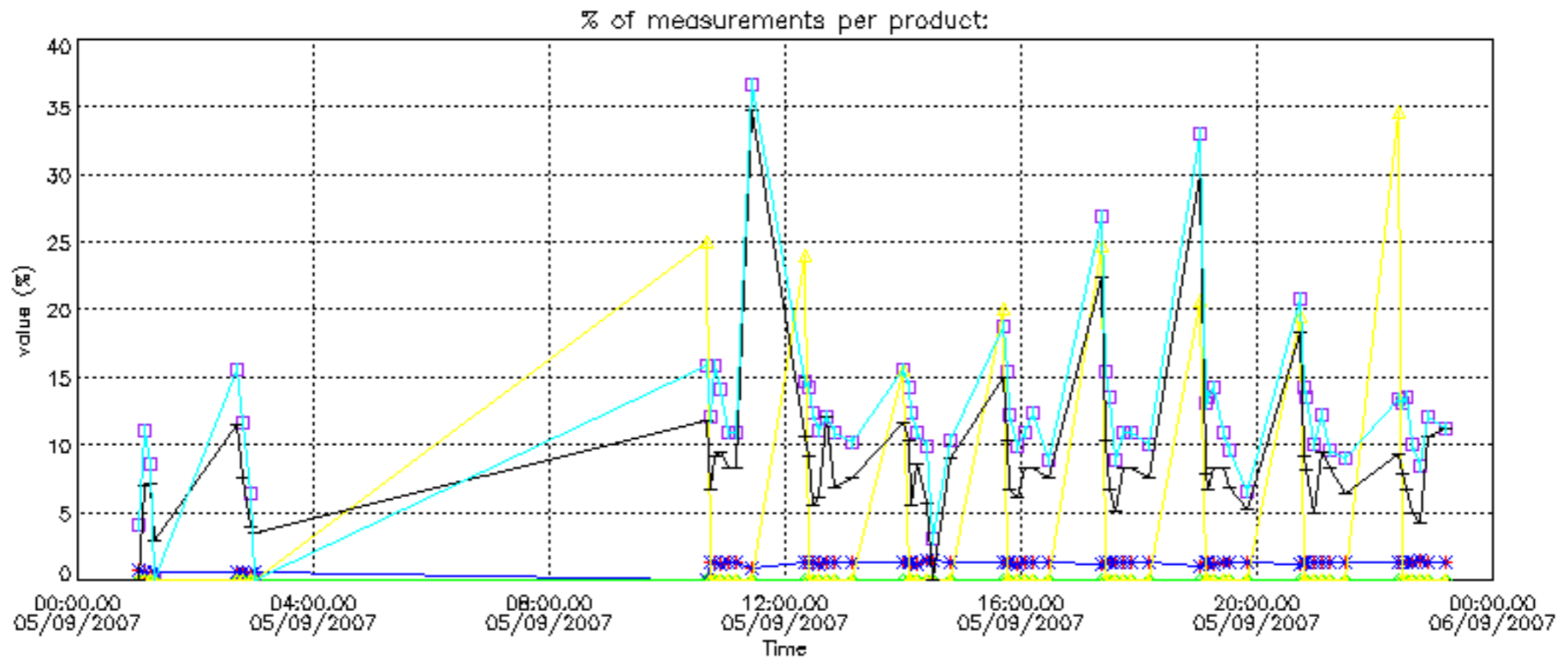
Percentage of flagged data per NO2 profile



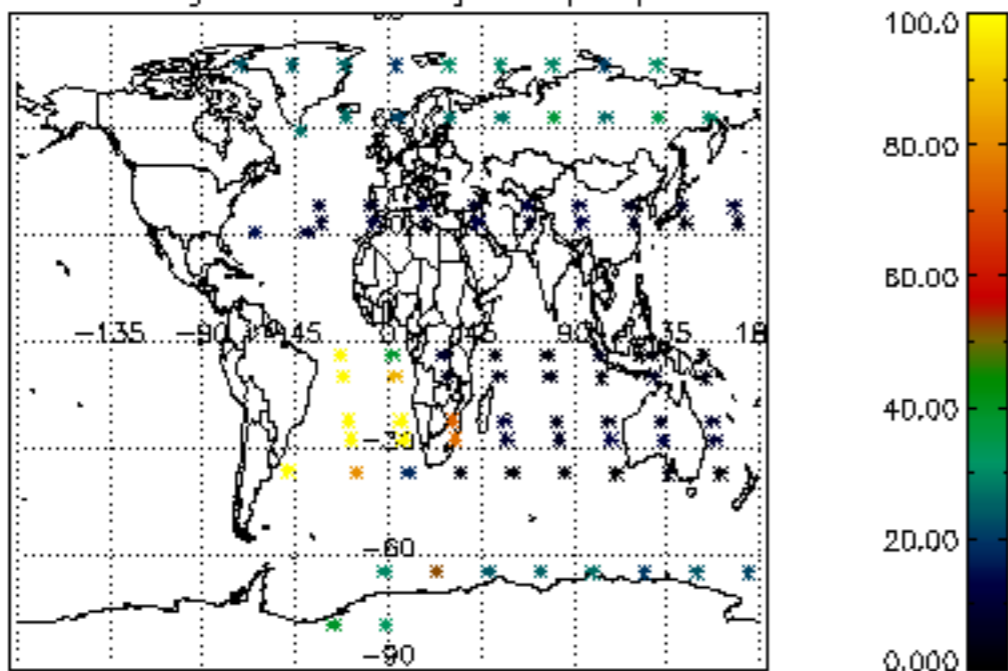
Percentage of flagged data per NO3 profile



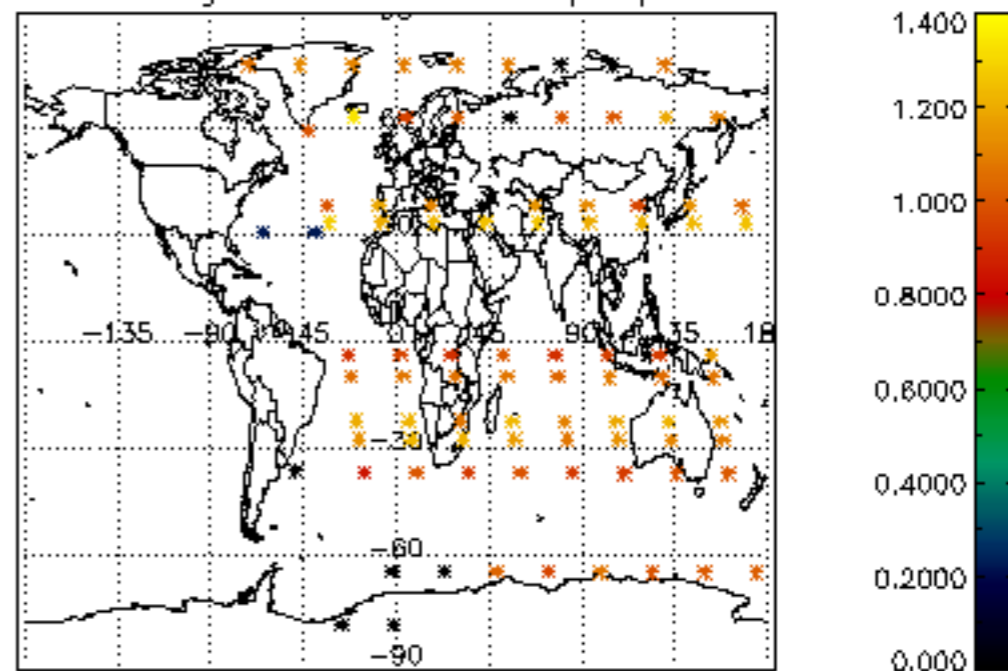




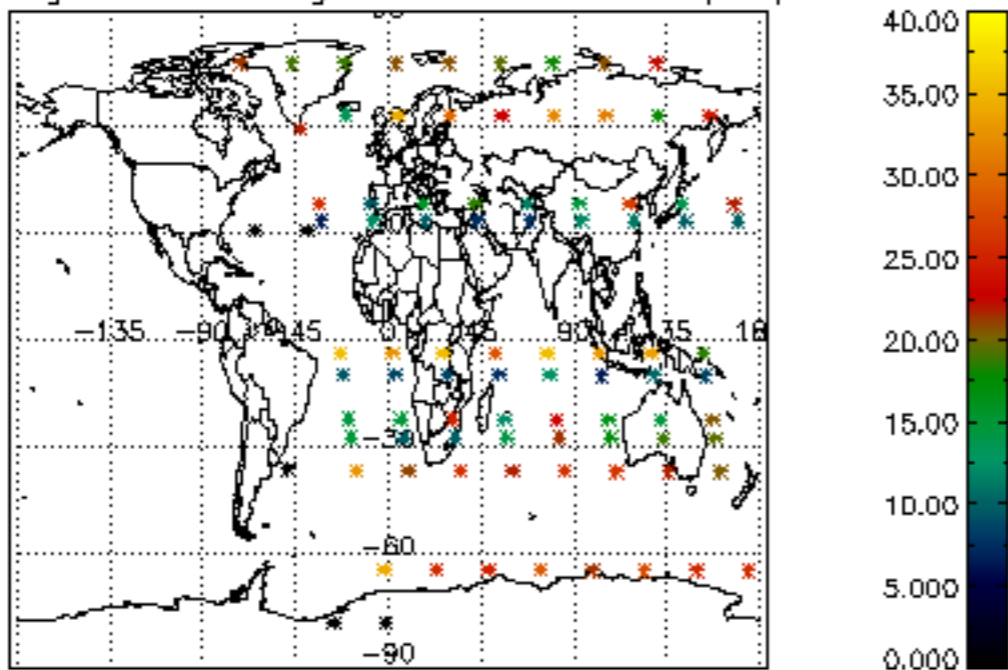
Percentage of cosmic ray hits per profile



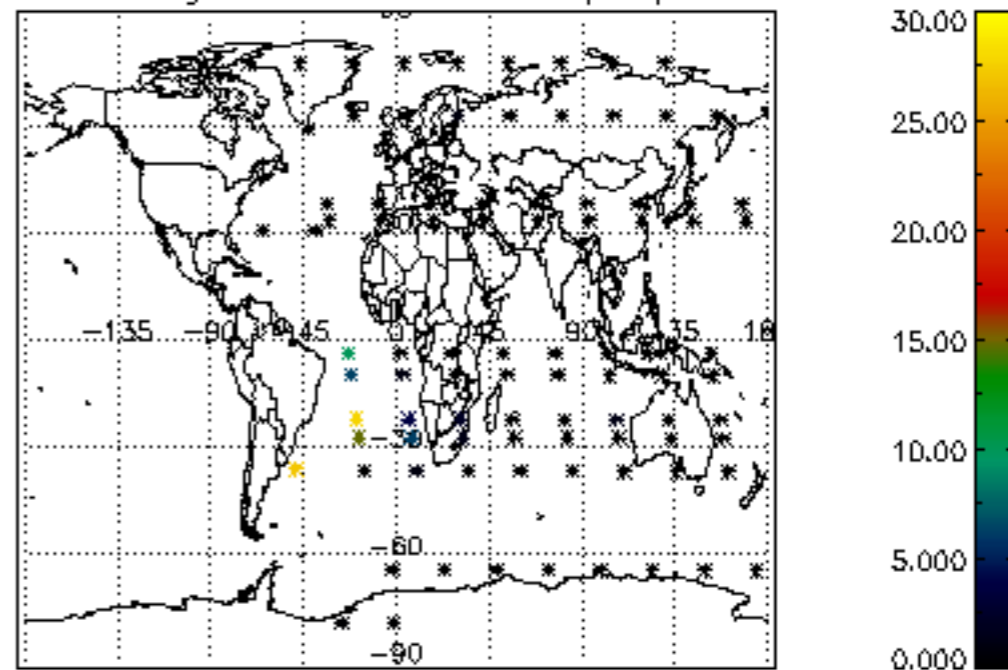
Percentage of datation errors per profile



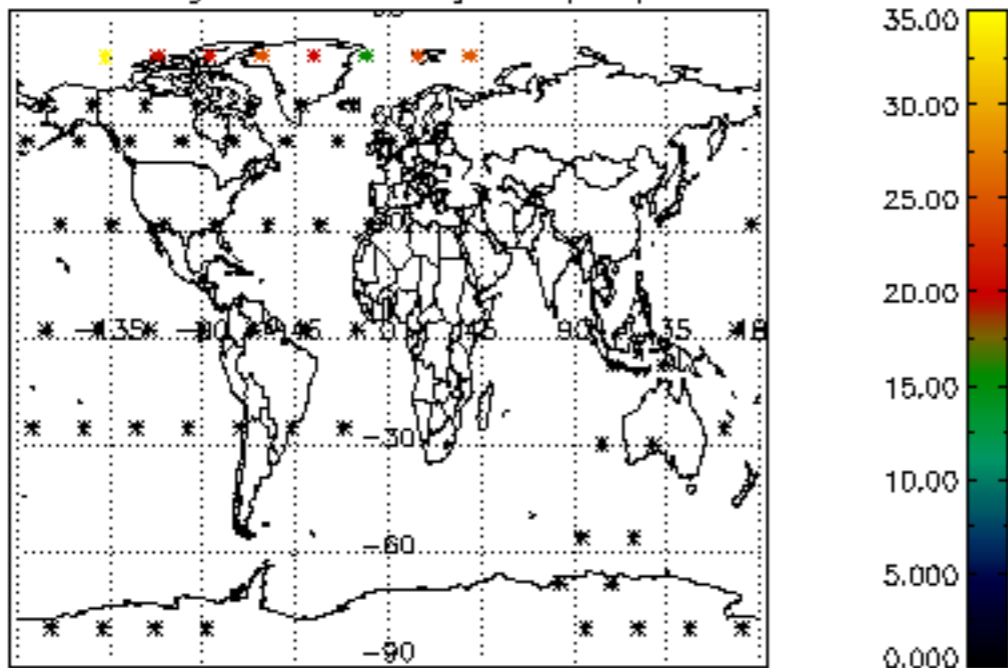
Percentage of star falling outside central band per profile



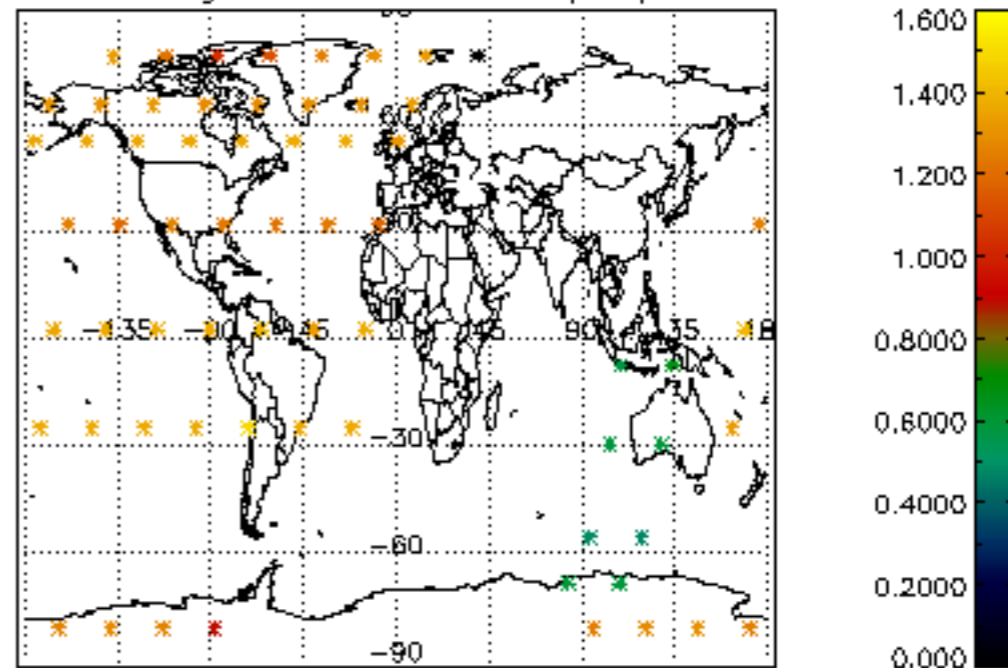
Percentage of saturation errors per profile



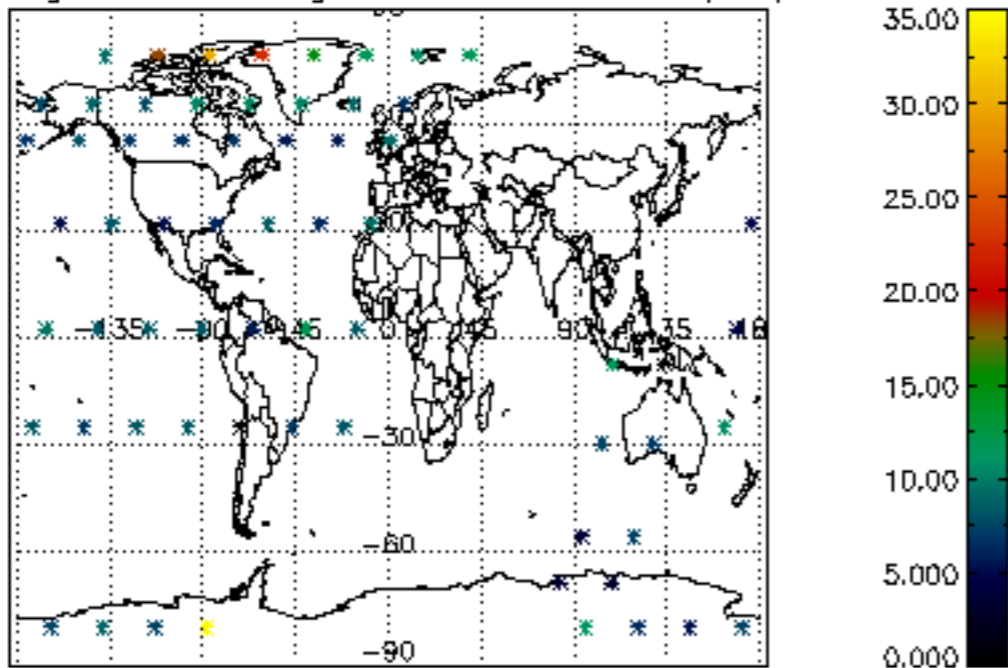
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

