

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	29APR2013 09:40:42
Data source version	GOMOS/6.01
Start time of products	14-04-2010 (14APR2010 00:00:00)
Stop time of products	15-04-2010 (15APR2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	279
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__2PRFIN20100414_000413_000000452088_00317_42455_4464.N1	14-APR-2010 00:04:13	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42455	No
2	GOM_NL__2PRFIN20100414_000549_000000462088_00317_42455_4465.N1	14-APR-2010 00:05:49	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42455	No
3	GOM_NL__2PRFIN20100414_000814_000000482088_00317_42455_4466.N1	14-APR-2010 00:08:14	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42455	No
4	GOM_NL__2PRFIN20100414_001302_000000432088_00317_42455_4467.N1	14-APR-2010 00:13:02	Twl_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42455	No
5	GOM_NL__2PRFIN20100414_001644_000000482088_00317_42455_4468.N1	14-APR-2010 00:16:44	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42455	No
6	GOM_NL__2PRFIN20100414_001948_000000402088_00317_42455_4469.N1	14-APR-2010 00:19:48	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42455	No
7	GOM_NL__2PRFIN20100414_002340_000000402088_00317_42455_4470.N1	14-APR-2010 00:23:40	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	42455	No
8	GOM_NL__2PRFIN20100414_003150_000000392088_00317_42455_4471.N1	14-APR-2010 00:31:50	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42455	No
9	GOM_NL__2PRFIN20100414_003534_000000362088_00317_42455_4472.N1	14-APR-2010 00:35:34	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42455	No
10	GOM_NL__2PRFIN20100414_003706_000000412088_00317_42455_4473.N1	14-APR-2010 00:37:06	Bright	41.000	55	79Zet UMa	2.0600	10200.	82	42455	No
11	GOM_NL__2PRFIN20100414_004314_000000572088_00317_42455_4474.N1	14-APR-2010 00:43:14	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	42455	No
12	GOM_NL__2PRFIN20100414_004451_000000452088_00317_42455_4475.N1	14-APR-2010 00:44:51	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42455	No
13	GOM_NL__2PRFIN20100414_005316_000000392088_00317_42455_4476.N1	14-APR-2010 00:53:16	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42455	No
14	GOM_NL__2PRFIN20100414_005832_000000492088_00317_42455_4477.N1	14-APR-2010 00:58:32	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42455	No
15	GOM_NL__2PRFIN20100414_010246_000000532088_00317_42455_4478.N1	14-APR-2010 01:02:46	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42455	No
16	GOM_NL__2PRFIN20100414_011002_000000522088_00317_42455_4479.N1	14-APR-2010 01:10:02	Twilight	51.500	61	8Eps Peg	2.1000	3900.0	103	42455	No
17	GOM_NL__2PRFIN20100414_011230_000000452088_00317_42455_4480.N1	14-APR-2010 01:12:30	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	42455	No
18	GOM_NL__2PRFIN20100414_011502_000000452088_00317_42455_4481.N1	14-APR-2010 01:15:02	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42455	No
19	GOM_NL__2PRFIN20100414_011727_000000422088_00317_42455_4482.N1	14-APR-2010 01:17:27	Dark	42.000	142	49Del Cap	2.8500	8900.0	84	42455	No
20	GOM_NL__2PRFIN20100414_013730_000000532088_00318_42456_4471.N1	14-APR-2010 01:37:30	Dark	52.500	40	The Sco	1.8590	7100.0	105	42456	No
21	GOM_NL__2PRFIN20100414_014450_000000452088_00318_42456_4472.N1	14-APR-2010 01:44:50	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42456	No
22	GOM_NL__2PRFIN20100414_014626_000000472088_00318_42456_4473.N1	14-APR-2010 01:46:26	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	42456	No
23	GOM_NL__2PRFIN20100414_014850_000000472088_00318_42456_4474.N1	14-APR-2010 01:48:50	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42456	No
24	GOM_NL__2PRFIN20100414_015338_000000452088_00318_42456_4475.N1	14-APR-2010 01:53:38	Twl_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42456	No
25	GOM_NL__2PRFIN20100414_015720_000000492088_00318_42456_4476.N1	14-APR-2010 01:57:20	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42456	No
26	GOM_NL__2PRFIN20100414_020024_000000402088_00318_42456_4477.N1	14-APR-2010 02:00:24	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	42456	No
27	GOM_NL__2PRFIN20100414_020415_000000402088_00318_42456_4478.N1	14-APR-2010 02:04:15	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42456	No
28	GOM_NL__2PRFIN20100414_021226_000000392088_00318_42456_4479.N1	14-APR-2010 02:12:26	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42456	No
29	GOM_NL__2PRFIN20100414_021610_000000342088_00318_42456_4480.N1	14-APR-2010 02:16:10	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	42456	No
30	GOM_NL__2PRFIN20100414_021741_000000392088_00318_42456_4481.N1	14-APR-2010 02:17:41	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	42456	No
31	GOM_NL__2PRFIN20100414_022349_000000412088_00318_42456_4482.N1	14-APR-2010 02:23:49	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42456	No
32	GOM_NL__2PRFIN20100414_022526_000000542088_00318_42456_4483.N1	14-APR-2010 02:25:26	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	42456	No
33	GOM_NL__2PRFIN20100414_023352_000000432088_00318_42456_4484.N1	14-APR-2010 02:33:52	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42456	No
34	GOM_NL__2PRFIN20100414_023908_000000492088_00318_42456_4485.N1	14-APR-2010 02:39:08	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42456	No
35	GOM_NL__2PRFIN20100414_024322_000000532088_00318_42456_4486.N1	14-APR-2010 02:43:22	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42456	No
36	GOM_NL__2PRFIN20100414_025038_000000502088_00318_42456_4487.N1	14-APR-2010 02:50:38	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	42456	No
37	GOM_NL__2PRFIN20100414_025306_000000442088_00318_42456_4488.N1	14-APR-2010 02:53:06	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42456	No
38	GOM_NL__2PRFIN20100414_025539_000000472088_00318_42456_4489.N1	14-APR-2010 02:55:39	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	42456	No
39	GOM_NL__2PRFIN20100414_025804_000000452088_00318_42456_4490.N1	14-APR-2010 02:58:04	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42456	No
40	GOM_NL__2PRFIN20100414_031807_000000542088_00319_42457_4480.N1	14-APR-2010 03:18:07	Dark	54.000	40	The Sco	1.8590	7100.0	108	42457	No
41	GOM_NL__2PRFIN20100414_032526_000000442088_00319_42457_4481.N1	14-APR-2010 03:25:26	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42457	No
42	GOM_NL__2PRFIN20100414_032702_000000432088_00319_42457_4482.N1	14-APR-2010 03:27:02	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42457	No

43	GOM_NL__2PRFIN20100414_032927_000000482088_00319_42457_4483.N1	14-APR-2010 03:29:27	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42457	No
44	GOM_NL__2PRFIN20100414_033414_000000452088_00319_42457_4484.N1	14-APR-2010 03:34:14	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	42457	No
45	GOM_NL__2PRFIN20100414_033756_000000492088_00319_42457_4485.N1	14-APR-2010 03:37:56	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42457	No
46	GOM_NL__2PRFIN20100414_034100_000000412088_00319_42457_4486.N1	14-APR-2010 03:41:00	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42457	No
47	GOM_NL__2PRFIN20100414_034451_000000432088_00319_42457_4487.N1	14-APR-2010 03:44:51	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	42457	No
48	GOM_NL__2PRFIN20100414_035301_000000392088_00319_42457_4488.N1	14-APR-2010 03:53:01	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42457	No
49	GOM_NL__2PRFIN20100414_035646_000000372088_00319_42457_4489.N1	14-APR-2010 03:56:46	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42457	No
50	GOM_NL__2PRFIN20100414_035817_000000402088_00319_42457_4490.N1	14-APR-2010 03:58:17	Bright	40.000	55	79Zet UMa	2.0600	10200.	80	42457	No
51	GOM_NL__2PRFIN20100414_040425_000000362088_00319_42457_4491.N1	14-APR-2010 04:04:25	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	42457	No
52	GOM_NL__2PRFIN20100414_040602_000000472088_00319_42457_4492.N1	14-APR-2010 04:06:02	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42457	No
53	GOM_NL__2PRFIN20100414_041428_000000372088_00319_42457_4493.N1	14-APR-2010 04:14:28	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42457	No
54	GOM_NL__2PRFIN20100414_041944_000000492088_00319_42457_4494.N1	14-APR-2010 04:19:44	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	42457	No
55	GOM_NL__2PRFIN20100414_042358_000000532088_00319_42457_4495.N1	14-APR-2010 04:23:58	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42457	No
56	GOM_NL__2PRFIN20100414_043115_000000512088_00319_42457_4496.N1	14-APR-2010 04:31:15	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	42457	No
57	GOM_NL__2PRFIN20100414_043343_000000452088_00319_42457_4497.N1	14-APR-2010 04:33:43	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42457	No
58	GOM_NL__2PRFIN20100414_043616_000000492088_00319_42457_4498.N1	14-APR-2010 04:36:16	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42457	No
59	GOM_NL__2PRFIN20100414_043840_000000432088_00319_42457_4499.N1	14-APR-2010 04:38:40	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42457	No
60	GOM_NL__2PRFIN20100414_045845_000000592088_00320_42458_4488.N1	14-APR-2010 04:58:45	Dark	59.000	40	The Sco	1.8590	7100.0	118	42458	No
61	GOM_NL__2PRFIN20100414_050603_000000422088_00320_42458_4489.N1	14-APR-2010 05:06:03	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42458	No
62	GOM_NL__2PRFIN20100414_050739_000000442088_00320_42458_4490.N1	14-APR-2010 05:07:39	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42458	No
63	GOM_NL__2PRFIN20100414_051003_000000462088_00320_42458_4491.N1	14-APR-2010 05:10:03	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42458	No
64	GOM_NL__2PRFIN20100414_051450_000000422088_00320_42458_4492.N1	14-APR-2010 05:14:50	Twilight	42.000	169	46Gam Hya	2.9910	4700.0	84	42458	No
65	GOM_NL__2PRFIN20100414_051832_000000462088_00320_42458_4493.N1	14-APR-2010 05:18:32	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	42458	No
66	GOM_NL__2PRFIN20100414_052136_000000412088_00320_42458_4494.N1	14-APR-2010 05:21:36	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42458	No
67	GOM_NL__2PRFIN20100414_052527_000000412088_00320_42458_4495.N1	14-APR-2010 05:25:27	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42458	No
68	GOM_NL__2PRFIN20100414_053337_000000382088_00320_42458_4496.N1	14-APR-2010 05:33:37	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42458	No
69	GOM_NL__2PRFIN20100414_053722_000000352088_00320_42458_4497.N1	14-APR-2010 05:37:22	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	42458	No
70	GOM_NL__2PRFIN20100414_053852_000000422088_00320_42458_4498.N1	14-APR-2010 05:38:52	Bright	42.000	55	79Zet UMa	2.0600	10200.	84	42458	No
71	GOM_NL__2PRFIN20100414_054500_000000402088_00320_42458_4499.N1	14-APR-2010 05:45:00	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42458	No
72	GOM_NL__2PRFIN20100414_054637_000000482088_00320_42458_4500.N1	14-APR-2010 05:46:37	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	42458	No
73	GOM_NL__2PRFIN20100414_055504_000000402088_00320_42458_4501.N1	14-APR-2010 05:55:04	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42458	No
74	GOM_NL__2PRFIN20100414_060019_000000472088_00320_42458_4502.N1	14-APR-2010 06:00:19	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	42458	No
75	GOM_NL__2PRFIN20100414_060434_000000572088_00320_42458_4503.N1	14-APR-2010 06:04:34	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	42458	No
76	GOM_NL__2PRFIN20100414_061151_000000532088_00320_42458_4504.N1	14-APR-2010 06:11:51	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42458	No
77	GOM_NL__2PRFIN20100414_061419_000000442088_00320_42458_4505.N1	14-APR-2010 06:14:19	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42458	No
78	GOM_NL__2PRFIN20100414_061652_000000492088_00320_42458_4506.N1	14-APR-2010 06:16:52	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42458	No
79	GOM_NL__2PRFIN20100414_061917_000000442088_00320_42458_4507.N1	14-APR-2010 06:19:17	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42458	No
80	GOM_NL__2PRFIN20100414_063921_000000522088_00321_42459_4496.N1	14-APR-2010 06:39:21	Dark	51.500	40	The Sco	1.8590	7100.0	103	42459	No
81	GOM_NL__2PRFIN20100414_064639_000000442088_00321_42459_4497.N1	14-APR-2010 06:46:39	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42459	No
82	GOM_NL__2PRFIN20100414_064815_000000462088_00321_42459_4498.N1	14-APR-2010 06:48:15	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42459	No
83	GOM_NL__2PRFIN20100414_065039_000000512088_00321_42459_4499.N1	14-APR-2010 06:50:39	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42459	No
84	GOM_NL__2PRFIN20100414_065527_000000432088_00321_42459_4500.N1	14-APR-2010 06:55:27	Twilight	42.500	169	46Gam Hya	2.9910	4700.0	85	42459	No
85	GOM_NL__2PRFIN20100414_065908_000000482088_00321_42459_4501.N1	14-APR-2010 06:59:08	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42459	No
86	GOM_NL__2PRFIN20100414_070212_000000392088_00321_42459_4502.N1	14-APR-2010 07:02:12	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	42459	No
87	GOM_NL__2PRFIN20100414_070603_000000412088_00321_42459_4503.N1	14-APR-2010 07:06:03	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42459	No
88	GOM_NL__2PRFIN20100414_071413_000000402088_00321_42459_4504.N1	14-APR-2010 07:14:13	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42459	No
89	GOM_NL__2PRFIN20100414_071758_000000362088_00321_42459_4505.N1	14-APR-2010 07:17:58	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	42459	No
90	GOM_NL__2PRFIN20100414_071928_000000402088_00321_42459_4506.N1	14-APR-2010 07:19:28	Bright	40.000	55	79Zet UMa	2.0600	10200.	80	42459	No
91	GOM_NL__2PRFIN20100414_072536_000000402088_00321_42459_4507.N1	14-APR-2010 07:25:36	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42459	No
92	GOM_NL__2PRFIN20100414_072712_000000442088_00321_42459_4508.N1	14-APR-2010 07:27:12	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42459	No
93	GOM_NL__2PRFIN20100414_073539_000000382088_00321_42459_4509.N1	14-APR-2010 07:35:39	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42459	No
94	GOM_NL__2PRFIN20100414_074055_000000482088_00321_42459_4510.N1	14-APR-2010 07:40:55	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42459	No
95	GOM_NL__2PRFIN20100414_074510_000000582088_00321_42459_4511.N1	14-APR-2010 07:45:10	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	42459	No
96	GOM_NL__2PRFIN20100414_075227_000000512088_00321_42459_4512.N1	14-APR-2010 07:52:27	Twilight	51.000	61	8Eps Peg	2.1000	3900.0	102	42459	No
97	GOM_NL__2PRFIN20100414_075455_000000452088_00321_42459_4513.N1	14-APR-2010 07:54:55	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	42459	No
98	GOM_NL__2PRFIN20100414_075729_000000482088_00321_42459_4514.N1	14-APR-2010 07:57:29	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	42459	No
99	GOM_NL__2PRFIN20100414_075953_000000462088_00321_42459_4515.N1	14-APR-2010 07:59:53	Dark	45.500	142	49Del Cap	2.8500	8900.0	91	42459	No
100	GOM_NL__2PRFIN20100414_081959_000000542088_00322_42460_4504.N1	14-APR-2010 08:19:59	Dark	54.000	40	The Sco	1.8590	7100.0	108	42460	No
101	GOM_NL__2PRFIN20100414_082715_000000442088_00322_42460_4505.N1	14-APR-2010 08:27:15	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42460	No

102	GOM_NL__2PRFIN20100414_082852_000000422088_00322_42460_4506.N1	14-APR-2010 08:28:52	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42460	No
103	GOM_NL__2PRFIN20100414_083116_000000482088_00322_42460_4507.N1	14-APR-2010 08:31:16	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42460	No
104	GOM_NL__2PRFIN20100414_083603_000000422088_00322_42460_4508.N1	14-APR-2010 08:36:03	Twilight	41.500	169	46Gam Hya	2.9910	4700.0	83	42460	No
105	GOM_NL__2PRFIN20100414_083944_000000482088_00322_42460_4509.N1	14-APR-2010 08:39:44	Bright	48.000	15	67Alp Vir	0.97600	28000.	96	42460	No
106	GOM_NL__2PRFIN20100414_084247_000000382088_00322_42460_4510.N1	14-APR-2010 08:42:47	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42460	No
107	GOM_NL__2PRFIN20100414_084639_000000412088_00322_42460_4511.N1	14-APR-2010 08:46:39	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42460	No
108	GOM_NL__2PRFIN20100414_085448_000000392088_00322_42460_4512.N1	14-APR-2010 08:54:48	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42460	No
109	GOM_NL__2PRFIN20100414_085834_000000372088_00322_42460_4513.N1	14-APR-2010 08:58:34	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42460	No
110	GOM_NL__2PRFIN20100414_090004_000000382088_00322_42460_4514.N1	14-APR-2010 09:00:04	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	42460	No
111	GOM_NL__2PRFIN20100414_090612_000000392088_00322_42460_4515.N1	14-APR-2010 09:06:12	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42460	No
112	GOM_NL__2PRFIN20100414_090747_000000472088_00322_42460_4516.N1	14-APR-2010 09:07:47	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	42460	No
113	GOM_NL__2PRFIN20100414_091615_000000432088_00322_42460_4517.N1	14-APR-2010 09:16:15	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42460	No
114	GOM_NL__2PRFIN20100414_092131_000000512088_00322_42460_4518.N1	14-APR-2010 09:21:31	Bright	51.000	19	50Alp Cyg	1.2460	10500.	102	42460	No
115	GOM_NL__2PRFIN20100414_092546_000000552088_00322_42460_4519.N1	14-APR-2010 09:25:46	Bright	55.000	92	53Eps Cyg	2.5000	4500.0	110	42460	No
116	GOM_NL__2PRFIN20100414_093304_000000512088_00322_42460_4520.N1	14-APR-2010 09:33:04	Twilight	51.000	61	8Eps Peg	2.1000	3900.0	102	42460	No
117	GOM_NL__2PRFIN20100414_093532_000000442088_00322_42460_4521.N1	14-APR-2010 09:35:32	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	42460	No
118	GOM_NL__2PRFIN20100414_093805_000000482088_00322_42460_4522.N1	14-APR-2010 09:38:05	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	42460	No
119	GOM_NL__2PRFIN20100414_094030_000000442088_00322_42460_4523.N1	14-APR-2010 09:40:30	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42460	No
120	GOM_NL__2PRFIN20100414_100035_000000592088_00323_42461_4512.N1	14-APR-2010 10:00:35	Dark	59.000	40	The Sco	1.8590	7100.0	118	42461	No
121	GOM_NL__2PRFIN20100414_100752_000000422088_00323_42461_4513.N1	14-APR-2010 10:07:52	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42461	No
122	GOM_NL__2PRFIN20100414_100928_000000442088_00323_42461_4514.N1	14-APR-2010 10:09:28	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42461	No
123	GOM_NL__2PRFIN20100414_101151_000000492088_00323_42461_4515.N1	14-APR-2010 10:11:51	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42461	No
124	GOM_NL__2PRFIN20100414_101638_000000472088_00323_42461_4516.N1	14-APR-2010 10:16:38	Twilight	46.500	169	46Gam Hya	2.9910	4700.0	93	42461	No
125	GOM_NL__2PRFIN20100414_102020_000000472088_00323_42461_4517.N1	14-APR-2010 10:20:20	Bright	47.000	15	67Alp Vir	0.97600	28000.	94	42461	No
126	GOM_NL__2PRFIN20100414_102324_000000382088_00323_42461_4518.N1	14-APR-2010 10:23:24	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42461	No
127	GOM_NL__2PRFIN20100414_102714_000000402088_00323_42461_4519.N1	14-APR-2010 10:27:14	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	42461	No
128	GOM_NL__2PRFIN20100414_103524_000000382088_00323_42461_4520.N1	14-APR-2010 10:35:24	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42461	No
129	GOM_NL__2PRFIN20100414_103910_000000342088_00323_42461_4521.N1	14-APR-2010 10:39:10	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	42461	No
130	GOM_NL__2PRFIN20100414_104039_000000402088_00323_42461_4522.N1	14-APR-2010 10:40:39	Bright	39.500	55	79Zet UMa	2.0600	10200.	79	42461	No
131	GOM_NL__2PRFIN20100414_104648_000000382088_00323_42461_4523.N1	14-APR-2010 10:46:48	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42461	No
132	GOM_NL__2PRFIN20100414_105651_000000402088_00323_42461_4524.N1	14-APR-2010 10:56:51	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42461	No
133	GOM_NL__2PRFIN20100414_110207_000000542088_00323_42461_4525.N1	14-APR-2010 11:02:07	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	42461	No
134	GOM_NL__2PRFIN20100414_110622_000000542088_00323_42461_4526.N1	14-APR-2010 11:06:22	Bright	53.500	92	53Eps Cyg	2.5000	4500.0	107	42461	No
135	GOM_NL__2PRFIN20100414_111340_000000532088_00323_42461_4527.N1	14-APR-2010 11:13:40	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42461	No
136	GOM_NL__2PRFIN20100414_111608_000000472088_00323_42461_4528.N1	14-APR-2010 11:16:08	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	42461	No
137	GOM_NL__2PRFIN20100414_111842_000000472088_00323_42461_4529.N1	14-APR-2010 11:18:42	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	42461	No
138	GOM_NL__2PRFIN20100414_112106_000000432088_00323_42461_4530.N1	14-APR-2010 11:21:06	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	42461	No
139	GOM_NL__2PRFIN20100414_114113_000000592088_00324_42462_4520.N1	14-APR-2010 11:41:13	Dark	58.500	40	The Sco	1.8590	7100.0	117	42462	No
140	GOM_NL__2PRFIN20100414_114828_000000412088_00324_42462_4521.N1	14-APR-2010 11:48:28	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42462	No
141	GOM_NL__2PRFIN20100414_115004_000000442088_00324_42462_4522.N1	14-APR-2010 11:50:04	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42462	No
142	GOM_NL__2PRFIN20100414_115228_000000492088_00324_42462_4523.N1	14-APR-2010 11:52:28	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	42462	No
143	GOM_NL__2PRFIN20100414_115715_000000422088_00324_42462_4524.N1	14-APR-2010 11:57:15	Twilight	42.000	169	46Gam Hya	2.9910	4700.0	84	42462	No
144	GOM_NL__2PRFIN20100414_120056_000000492088_00324_42462_4525.N1	14-APR-2010 12:00:56	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42462	No
145	GOM_NL__2PRFIN20100414_120400_000000372088_00324_42462_4526.N1	14-APR-2010 12:04:00	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	42462	No
146	GOM_NL__2PRFIN20100414_120750_000000402088_00324_42462_4527.N1	14-APR-2010 12:07:50	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	42462	No
147	GOM_NL__2PRFIN20100414_121600_000000382088_00324_42462_4528.N1	14-APR-2010 12:16:00	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42462	No
148	GOM_NL__2PRFIN20100414_122723_000000402088_00324_42462_4529.N1	14-APR-2010 12:27:23	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42462	No
149	GOM_NL__2PRFIN20100414_122857_000000472088_00324_42462_4530.N1	14-APR-2010 12:28:57	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42462	No
150	GOM_NL__2PRFIN20100414_123727_000000382088_00324_42462_4531.N1	14-APR-2010 12:37:27	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42462	No
151	GOM_NL__2PRFIN20100414_124243_000000482088_00324_42462_4532.N1	14-APR-2010 12:42:43	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	42462	No
152	GOM_NL__2PRFIN20100414_124658_000000532088_00324_42462_4533.N1	14-APR-2010 12:46:58	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42462	No
153	GOM_NL__2PRFIN20100414_125416_000000542088_00324_42462_4534.N1	14-APR-2010 12:54:16	Twilight	53.500	61	8Eps Peg	2.1000	3900.0	107	42462	No
154	GOM_NL__2PRFIN20100414_125644_000000412088_00324_42462_4535.N1	14-APR-2010 12:56:44	Dark	41.000	162	34Alp Aqr	2.9440	5350.0	82	42462	No
155	GOM_NL__2PRFIN20100414_125918_000000482088_00324_42462_4536.N1	14-APR-2010 12:59:18	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	42462	No
156	GOM_NL__2PRFIN20100414_130142_000000462088_00324_42462_4537.N1	14-APR-2010 13:01:42	Dark	45.500	142	49Del Cap	2.8500	8900.0	91	42462	No
157	GOM_NL__2PRFIN20100414_132149_000000532088_00325_42463_4548.N1	14-APR-2010 13:21:49	Dark	52.500	40	The Sco	1.8590	7100.0	105	42463	No
158	GOM_NL__2PRFIN20100414_132905_000000422088_00325_42463_4549.N1	14-APR-2010 13:29:05	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42463	No
159	GOM_NL__2PRFIN20100414_133040_000000452088_00325_42463_4550.N1	14-APR-2010 13:30:40	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42463	No
160	GOM_NL__2PRFIN20100414_133305_000000502088_00325_42463_4551.N1	14-APR-2010 13:33:05	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42463	No

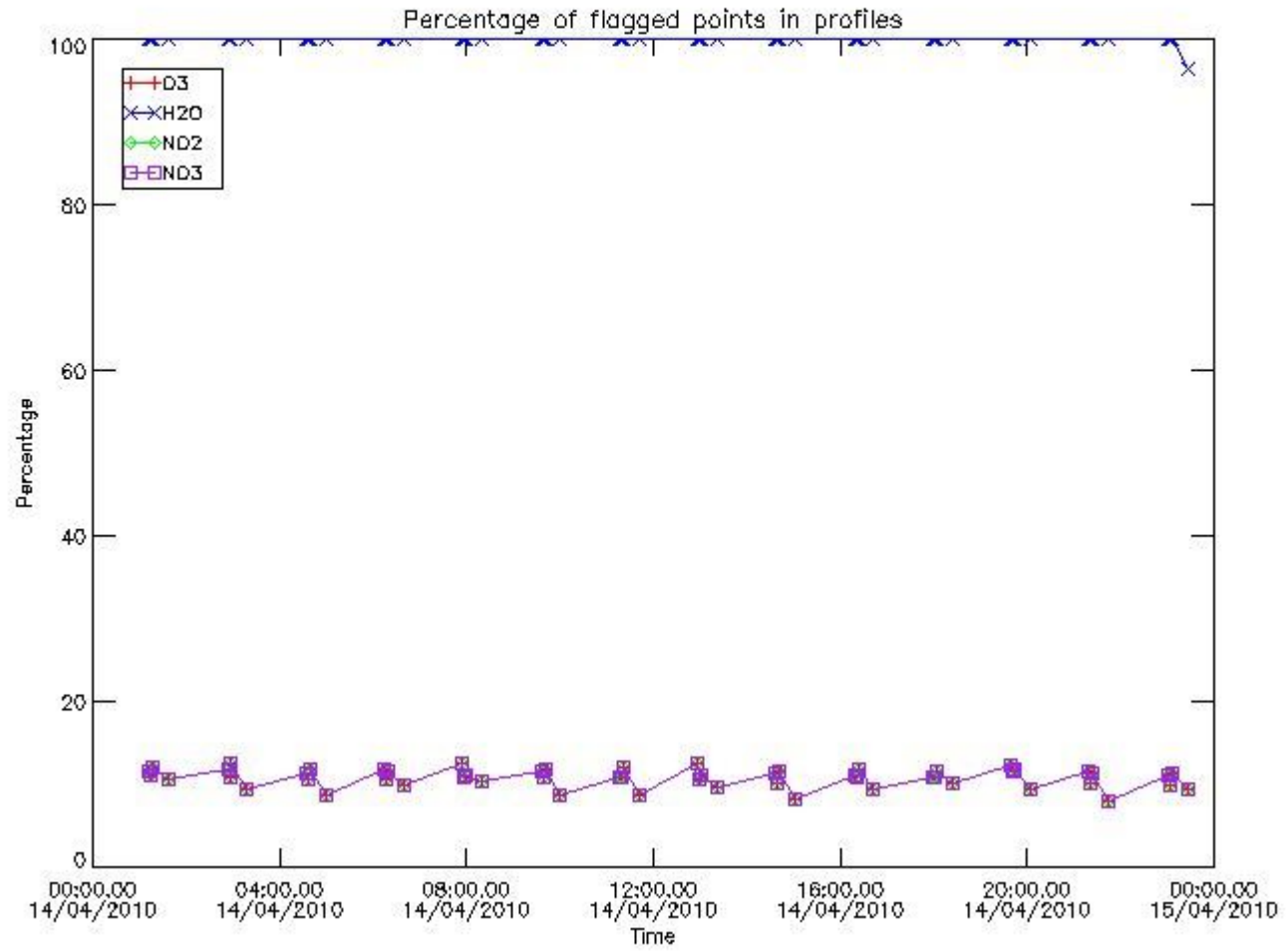
161	GOM_NL__2PRFIN20100414_133751_000000432088_00325_42463_4552.N1	14-APR-2010 13:37:51	Twilight	43.000	169	46Gam Hya	2.9910	4700.0	86	42463	No
162	GOM_NL__2PRFIN20100414_134132_000000462088_00325_42463_4553.N1	14-APR-2010 13:41:32	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	42463	No
163	GOM_NL__2PRFIN20100414_134436_000000382088_00325_42463_4554.N1	14-APR-2010 13:44:36	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42463	No
164	GOM_NL__2PRFIN20100414_134826_000000422088_00325_42463_4555.N1	14-APR-2010 13:48:26	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	42463	No
165	GOM_NL__2PRFIN20100414_135635_000000392088_00325_42463_4556.N1	14-APR-2010 13:56:35	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42463	No
166	GOM_NL__2PRFIN20100414_140759_000000362088_00325_42463_4557.N1	14-APR-2010 14:07:59	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	42463	No
167	GOM_NL__2PRFIN20100414_140933_000000492088_00325_42463_4558.N1	14-APR-2010 14:09:33	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	42463	No
168	GOM_NL__2PRFIN20100414_141802_000000402088_00325_42463_4559.N1	14-APR-2010 14:18:02	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42463	No
169	GOM_NL__2PRFIN20100414_142318_000000472088_00325_42463_4560.N1	14-APR-2010 14:23:18	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	42463	No
170	GOM_NL__2PRFIN20100414_142734_000000552088_00325_42463_4561.N1	14-APR-2010 14:27:34	Bright	55.000	92	53Eps Cyg	2.5000	4500.0	110	42463	No
171	GOM_NL__2PRFIN20100414_143452_000000502088_00325_42463_4562.N1	14-APR-2010 14:34:52	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	42463	No
172	GOM_NL__2PRFIN20100414_143720_000000452088_00325_42463_4563.N1	14-APR-2010 14:37:20	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42463	No
173	GOM_NL__2PRFIN20100414_143954_000000502088_00325_42463_4564.N1	14-APR-2010 14:39:54	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42463	No
174	GOM_NL__2PRFIN20100414_144219_000000452088_00325_42463_4565.N1	14-APR-2010 14:42:19	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42463	No
175	GOM_NL__2PRFIN20100414_150226_000000632088_00326_42464_4556.N1	14-APR-2010 15:02:26	Dark	62.500	40	The Sco	1.8590	7100.0	125	42464	No
176	GOM_NL__2PRFIN20100414_150941_000000442088_00326_42464_4557.N1	14-APR-2010 15:09:41	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42464	No
177	GOM_NL__2PRFIN20100414_151117_000000442088_00326_42464_4558.N1	14-APR-2010 15:11:17	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42464	No
178	GOM_NL__2PRFIN20100414_151341_000000472088_00326_42464_4559.N1	14-APR-2010 15:13:41	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	42464	No
179	GOM_NL__2PRFIN20100414_151827_000000442088_00326_42464_4560.N1	14-APR-2010 15:18:27	Twilight	43.500	169	46Gam Hya	2.9910	4700.0	87	42464	No
180	GOM_NL__2PRFIN20100414_152208_000000452088_00326_42464_4561.N1	14-APR-2010 15:22:08	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42464	No
181	GOM_NL__2PRFIN20100414_152511_000000392088_00326_42464_4562.N1	14-APR-2010 15:25:11	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	42464	No
182	GOM_NL__2PRFIN20100414_152901_000000402088_00326_42464_4563.N1	14-APR-2010 15:29:01	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42464	No
183	GOM_NL__2PRFIN20100414_153711_000000402088_00326_42464_4564.N1	14-APR-2010 15:37:11	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42464	No
184	GOM_NL__2PRFIN20100414_154134_000000432088_00326_42464_4565.N1	14-APR-2010 15:41:34	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42464	No
185	GOM_NL__2PRFIN20100414_154835_000000392088_00326_42464_4566.N1	14-APR-2010 15:48:35	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42464	No
186	GOM_NL__2PRFIN20100414_155008_000000472088_00326_42464_4567.N1	14-APR-2010 15:50:08	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42464	No
187	GOM_NL__2PRFIN20100414_155838_000000392088_00326_42464_4568.N1	14-APR-2010 15:58:38	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42464	No
188	GOM_NL__2PRFIN20100414_160355_000000622088_00326_42464_4569.N1	14-APR-2010 16:03:55	Bright	62.000	19	50Alp Cyg	1.2460	10500.	124	42464	No
189	GOM_NL__2PRFIN20100414_160810_000000512088_00326_42464_4570.N1	14-APR-2010 16:08:10	Bright	51.000	92	53Eps Cyg	2.5000	4500.0	102	42464	No
190	GOM_NL__2PRFIN20100414_161529_000000522088_00326_42464_4571.N1	14-APR-2010 16:15:29	Twilight	52.000	61	8Eps Peg	2.1000	3900.0	104	42464	No
191	GOM_NL__2PRFIN20100414_161757_000000462088_00326_42464_4572.N1	14-APR-2010 16:17:57	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42464	No
192	GOM_NL__2PRFIN20100414_162031_000000472088_00326_42464_4573.N1	14-APR-2010 16:20:31	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	42464	No
193	GOM_NL__2PRFIN20100414_162255_000000432088_00326_42464_4574.N1	14-APR-2010 16:22:55	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42464	No
194	GOM_NL__2PRFIN20100414_164304_000000542088_00327_42465_4564.N1	14-APR-2010 16:43:04	Dark	54.000	40	The Sco	1.8590	7100.0	108	42465	No
195	GOM_NL__2PRFIN20100414_165018_000000442088_00327_42465_4565.N1	14-APR-2010 16:50:18	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42465	No
196	GOM_NL__2PRFIN20100414_165153_000000442088_00327_42465_4566.N1	14-APR-2010 16:51:53	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42465	No
197	GOM_NL__2PRFIN20100414_165417_000000492088_00327_42465_4567.N1	14-APR-2010 16:54:17	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42465	No
198	GOM_NL__2PRFIN20100414_165903_000000452088_00327_42465_4568.N1	14-APR-2010 16:59:03	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	42465	No
199	GOM_NL__2PRFIN20100414_170244_000000482088_00327_42465_4569.N1	14-APR-2010 17:02:44	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42465	No
200	GOM_NL__2PRFIN20100414_170547_000000392088_00327_42465_4570.N1	14-APR-2010 17:05:47	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42465	No
201	GOM_NL__2PRFIN20100414_170937_000000412088_00327_42465_4571.N1	14-APR-2010 17:09:37	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	42465	No
202	GOM_NL__2PRFIN20100414_171746_000000382088_00327_42465_4572.N1	14-APR-2010 17:17:46	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42465	No
203	GOM_NL__2PRFIN20100414_172210_000000432088_00327_42465_4573.N1	14-APR-2010 17:22:10	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42465	No
204	GOM_NL__2PRFIN20100414_172910_000000572088_00327_42465_4574.N1	14-APR-2010 17:29:10	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	42465	No
205	GOM_NL__2PRFIN20100414_173043_000000492088_00327_42465_4575.N1	14-APR-2010 17:30:43	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	42465	No
206	GOM_NL__2PRFIN20100414_173914_000000402088_00327_42465_4576.N1	14-APR-2010 17:39:14	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42465	No
207	GOM_NL__2PRFIN20100414_174430_000000482088_00327_42465_4577.N1	14-APR-2010 17:44:30	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42465	No
208	GOM_NL__2PRFIN20100414_174846_000000512088_00327_42465_4578.N1	14-APR-2010 17:48:46	Bright	51.000	92	53Eps Cyg	2.5000	4500.0	102	42465	No
209	GOM_NL__2PRFIN20100414_175605_000000502088_00327_42465_4579.N1	14-APR-2010 17:56:05	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	42465	No
210	GOM_NL__2PRFIN20100414_175834_000000482088_00327_42465_4580.N1	14-APR-2010 17:58:34	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42465	No
211	GOM_NL__2PRFIN20100414_180108_000000472088_00327_42465_4581.N1	14-APR-2010 18:01:08	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	42465	No
212	GOM_NL__2PRFIN20100414_180332_000000442088_00327_42465_4582.N1	14-APR-2010 18:03:32	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42465	No
213	GOM_NL__2PRFIN20100414_182341_000000502088_00328_42466_4572.N1	14-APR-2010 18:23:41	Dark	50.000	40	The Sco	1.8590	7100.0	100	42466	No
214	GOM_NL__2PRFIN20100414_183054_000000432088_00328_42466_4573.N1	14-APR-2010 18:30:54	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42466	No
215	GOM_NL__2PRFIN20100414_183230_000000422088_00328_42466_4574.N1	14-APR-2010 18:32:30	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42466	No
216	GOM_NL__2PRFIN20100414_183453_000000482088_00328_42466_4575.N1	14-APR-2010 18:34:53	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42466	No
217	GOM_NL__2PRFIN20100414_183939_000000452088_00328_42466_4576.N1	14-APR-2010 18:39:39	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	42466	No
218	GOM_NL__2PRFIN20100414_184320_000000492088_00328_42466_4577.N1	14-APR-2010 18:43:20	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42466	No
219	GOM_NL__2PRFIN20100414_184623_000000392088_00328_42466_4578.N1	14-APR-2010 18:46:23	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	42466	No

220	GOM_NL__2PRFIN20100414_185013_000000412088_00328_42466_4579.N1	14-APR-2010 18:50:13	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	42466	No
221	GOM_NL__2PRFIN20100414_185822_000000392088_00328_42466_4580.N1	14-APR-2010 18:58:22	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42466	No
222	GOM_NL__2PRFIN20100414_190245_000000452088_00328_42466_4581.N1	14-APR-2010 19:02:45	Bright	45.000	39	85Eta UMa	1.8540	24000.	90	42466	No
223	GOM_NL__2PRFIN20100414_190946_000000372088_00328_42466_4582.N1	14-APR-2010 19:09:46	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42466	No
224	GOM_NL__2PRFIN20100414_191118_000000492088_00328_42466_4583.N1	14-APR-2010 19:11:18	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	42466	No
225	GOM_NL__2PRFIN20100414_191950_000000412088_00328_42466_4584.N1	14-APR-2010 19:19:50	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42466	No
226	GOM_NL__2PRFIN20100414_192506_000000672088_00328_42466_4585.N1	14-APR-2010 19:25:06	Bright	67.000	19	50Alp Cyg	1.2460	10500.	134	42466	No
227	GOM_NL__2PRFIN20100414_192922_000000442088_00328_42466_4586.N1	14-APR-2010 19:29:22	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	42466	No
228	GOM_NL__2PRFIN20100414_193642_000000532088_00328_42466_4587.N1	14-APR-2010 19:36:42	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42466	No
229	GOM_NL__2PRFIN20100414_193910_000000462088_00328_42466_4588.N1	14-APR-2010 19:39:10	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42466	No
230	GOM_NL__2PRFIN20100414_194144_000000492088_00328_42466_4589.N1	14-APR-2010 19:41:44	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42466	No
231	GOM_NL__2PRFIN20100414_194409_000000442088_00328_42466_4590.N1	14-APR-2010 19:44:09	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42466	No
232	GOM_NL__2PRFIN20100414_200418_000000592088_00329_42467_4580.N1	14-APR-2010 20:04:18	Dark	58.500	40	The Sco	1.8590	7100.0	117	42467	No
233	GOM_NL__2PRFIN20100414_201130_000000442088_00329_42467_4581.N1	14-APR-2010 20:11:30	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42467	No
234	GOM_NL__2PRFIN20100414_201306_000000442088_00329_42467_4582.N1	14-APR-2010 20:13:06	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42467	No
235	GOM_NL__2PRFIN20100414_201530_000000502088_00329_42467_4583.N1	14-APR-2010 20:15:30	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42467	No
236	GOM_NL__2PRFIN20100414_202016_000000432088_00329_42467_4584.N1	14-APR-2010 20:20:16	Twi_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42467	No
237	GOM_NL__2PRFIN20100414_202356_000000452088_00329_42467_4585.N1	14-APR-2010 20:23:56	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	42467	No
238	GOM_NL__2PRFIN20100414_202659_000000402088_00329_42467_4586.N1	14-APR-2010 20:26:59	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42467	No
239	GOM_NL__2PRFIN20100414_203049_000000422088_00329_42467_4587.N1	14-APR-2010 20:30:49	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	42467	No
240	GOM_NL__2PRFIN20100414_203858_000000402088_00329_42467_4588.N1	14-APR-2010 20:38:58	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42467	No
241	GOM_NL__2PRFIN20100414_204320_000000422088_00329_42467_4589.N1	14-APR-2010 20:43:20	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42467	No
242	GOM_NL__2PRFIN20100414_205022_000000372088_00329_42467_4590.N1	14-APR-2010 20:50:22	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42467	No
243	GOM_NL__2PRFIN20100414_205153_000000472088_00329_42467_4591.N1	14-APR-2010 20:51:53	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42467	No
244	GOM_NL__2PRFIN20100414_210026_000000402088_00329_42467_4592.N1	14-APR-2010 21:00:26	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42467	No
245	GOM_NL__2PRFIN20100414_210542_000000482088_00329_42467_4593.N1	14-APR-2010 21:05:42	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42467	No
246	GOM_NL__2PRFIN20100414_210958_000000442088_00329_42467_4594.N1	14-APR-2010 21:09:58	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	42467	No
247	GOM_NL__2PRFIN20100414_211718_000000582088_00329_42467_4595.N1	14-APR-2010 21:17:18	Twilight	58.000	61	8Eps Peg	2.1000	3900.0	116	42467	No
248	GOM_NL__2PRFIN20100414_211946_000000442088_00329_42467_4596.N1	14-APR-2010 21:19:46	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42467	No
249	GOM_NL__2PRFIN20100414_212221_000000502088_00329_42467_4597.N1	14-APR-2010 21:22:21	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42467	No
250	GOM_NL__2PRFIN20100414_212445_000000452088_00329_42467_4598.N1	14-APR-2010 21:24:45	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42467	No
251	GOM_NL__2PRFIN20100414_214455_000000652088_00330_42468_4588.N1	14-APR-2010 21:44:55	Dark	65.000	40	The Sco	1.8590	7100.0	130	42468	No
252	GOM_NL__2PRFIN20100414_215207_000000442088_00330_42468_4589.N1	14-APR-2010 21:52:07	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42468	No
253	GOM_NL__2PRFIN20100414_215343_000000422088_00330_42468_4590.N1	14-APR-2010 21:53:43	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42468	No
254	GOM_NL__2PRFIN20100414_215606_000000492088_00330_42468_4591.N1	14-APR-2010 21:56:06	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42468	No
255	GOM_NL__2PRFIN20100414_220051_000000462088_00330_42468_4592.N1	14-APR-2010 22:00:51	Twi_and_stray	45.500	169	46Gam Hya	2.9910	4700.0	91	42468	No
256	GOM_NL__2PRFIN20100414_220431_000000482088_00330_42468_4593.N1	14-APR-2010 22:04:31	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42468	No
257	GOM_NL__2PRFIN20100414_220735_000000392088_00330_42468_4594.N1	14-APR-2010 22:07:35	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42468	No
258	GOM_NL__2PRFIN20100414_221124_000000412088_00330_42468_4595.N1	14-APR-2010 22:11:24	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	42468	No
259	GOM_NL__2PRFIN20100414_221453_000000272088_00330_42468_4596.N1	14-APR-2010 22:14:53	Twi_and_stray	27.000	111	8Eta Boo	2.6800	6000.0	54	42468	No
260	GOM_NL__2PRFIN20100414_221933_000000392088_00330_42468_4597.N1	14-APR-2010 22:19:33	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42468	No
261	GOM_NL__2PRFIN20100414_222356_000000442088_00330_42468_4598.N1	14-APR-2010 22:23:56	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	42468	No
262	GOM_NL__2PRFIN20100414_223057_000000392088_00330_42468_4599.N1	14-APR-2010 22:30:57	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42468	No
263	GOM_NL__2PRFIN20100414_223229_000000482088_00330_42468_4600.N1	14-APR-2010 22:32:29	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	42468	No
264	GOM_NL__2PRFIN20100414_224101_000000392088_00330_42468_4601.N1	14-APR-2010 22:41:01	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42468	No
265	GOM_NL__2PRFIN20100414_224617_000000482088_00330_42468_4602.N1	14-APR-2010 22:46:17	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42468	No
266	GOM_NL__2PRFIN20100414_225034_000000362088_00330_42468_4603.N1	14-APR-2010 22:50:34	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	42468	No
267	GOM_NL__2PRFIN20100414_225754_000000522088_00330_42468_4604.N1	14-APR-2010 22:57:54	Twilight	52.000	61	8Eps Peg	2.1000	3900.0	104	42468	No
268	GOM_NL__2PRFIN20100414_230022_000000462088_00330_42468_4605.N1	14-APR-2010 23:00:22	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42468	No
269	GOM_NL__2PRFIN20100414_230257_000000512088_00330_42468_4606.N1	14-APR-2010 23:02:57	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42468	No
270	GOM_NL__2PRFIN20100414_230521_000000452088_00330_42468_4607.N1	14-APR-2010 23:05:21	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42468	No
271	GOM_NL__2PRFIN20100414_232531_000000552088_00331_42469_4596.N1	14-APR-2010 23:25:31	Dark	54.500	40	The Sco	1.8590	7100.0	109	42469	No
272	GOM_NL__2PRFIN20100414_233243_000000442088_00331_42469_4597.N1	14-APR-2010 23:32:43	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42469	No
273	GOM_NL__2PRFIN20100414_233419_000000472088_00331_42469_4598.N1	14-APR-2010 23:34:19	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42469	No
274	GOM_NL__2PRFIN20100414_233642_000000462088_00331_42469_4599.N1	14-APR-2010 23:36:42	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42469	No
275	GOM_NL__2PRFIN20100414_234128_000000442088_00331_42469_4600.N1	14-APR-2010 23:41:28	Twi_and_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42469	No
276	GOM_NL__2PRFIN20100414_234508_000000482088_00331_42469_4601.N1	14-APR-2010 23:45:08	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42469	No
277	GOM_NL__2PRFIN20100414_234811_000000542088_00331_42469_4602.N1	14-APR-2010 23:48:11	Bright	54.000	121	29Gam Vir	2.7400	7200.0	108	42469	No
278	GOM_NL__2PRFIN20100414_235200_000000402088_00331_42469_4603.N1	14-APR-2010 23:52:00	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42469	No

3. Quality information per product

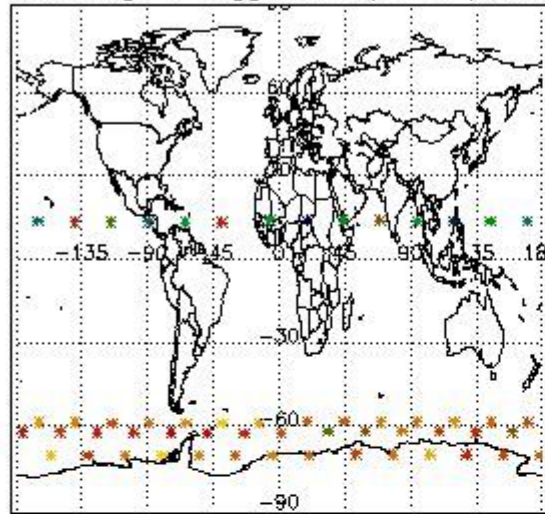
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

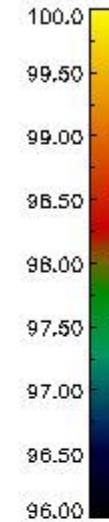
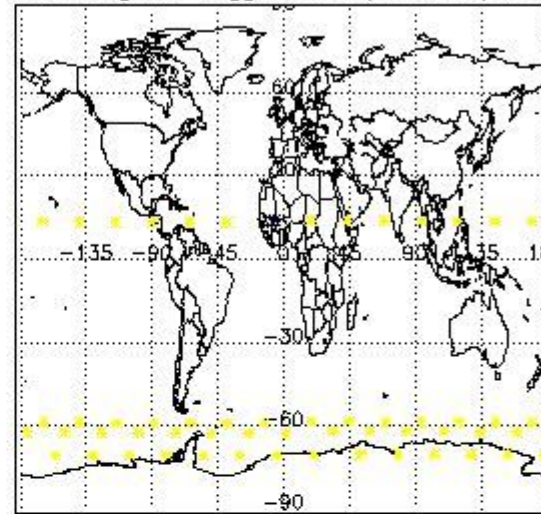


3.2 Plot quality information per product (world map)

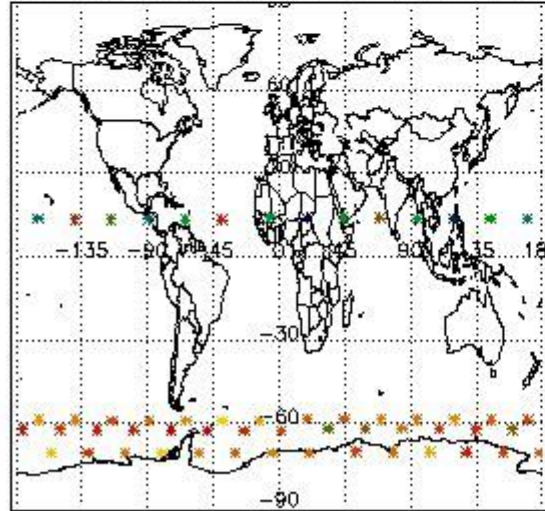
Percentage of flagged data per O3 profile



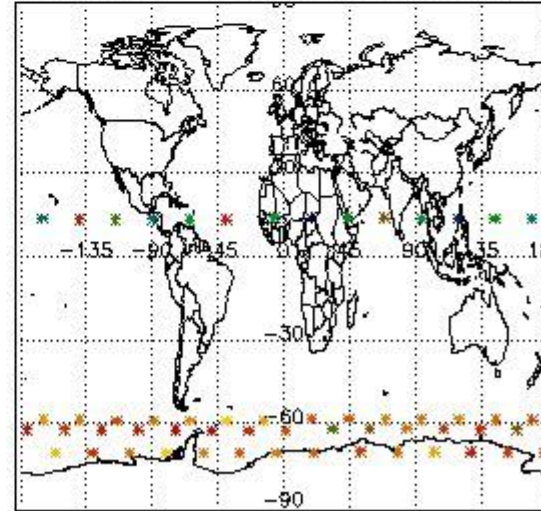
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

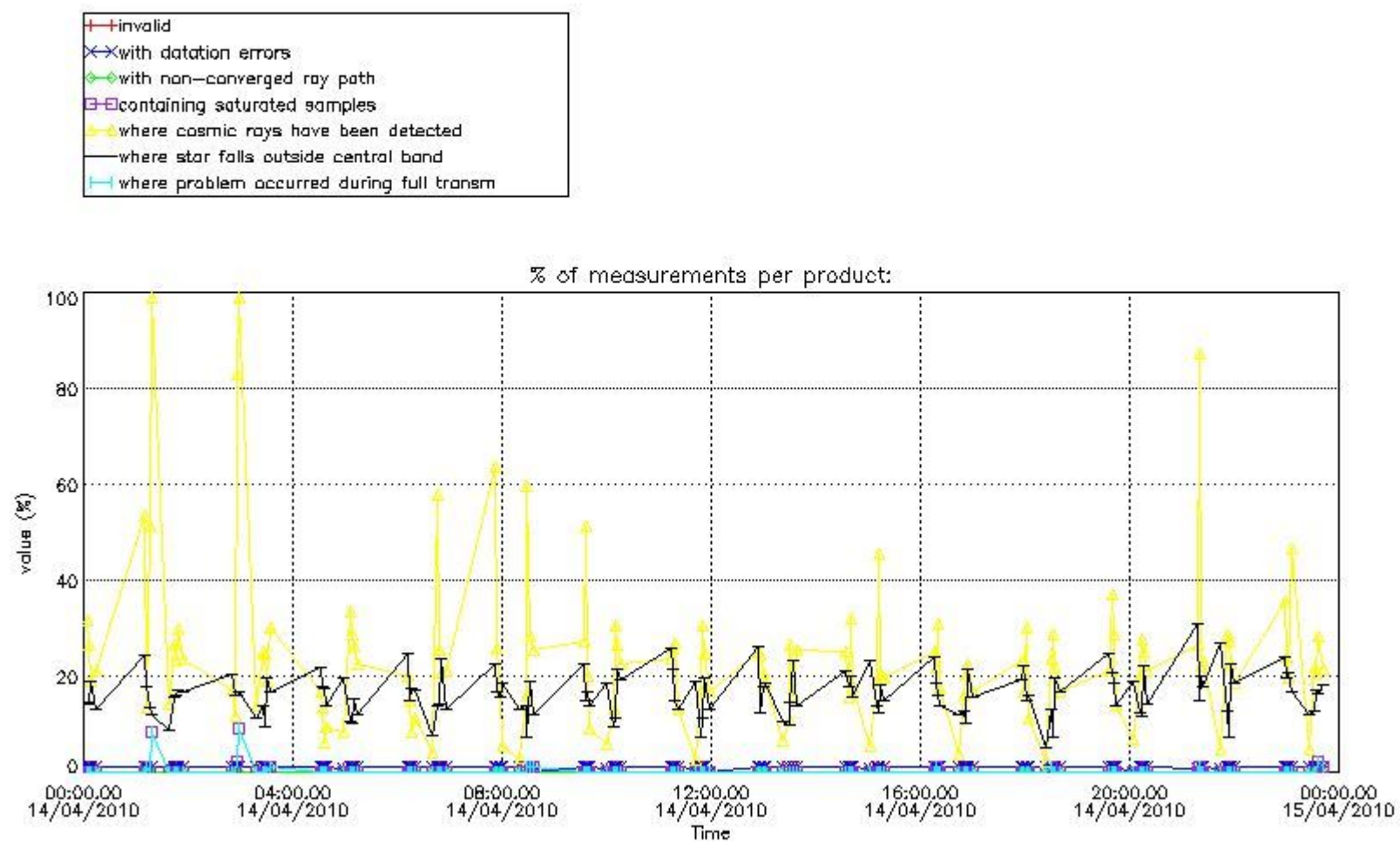


4. Level 1 quality information per product

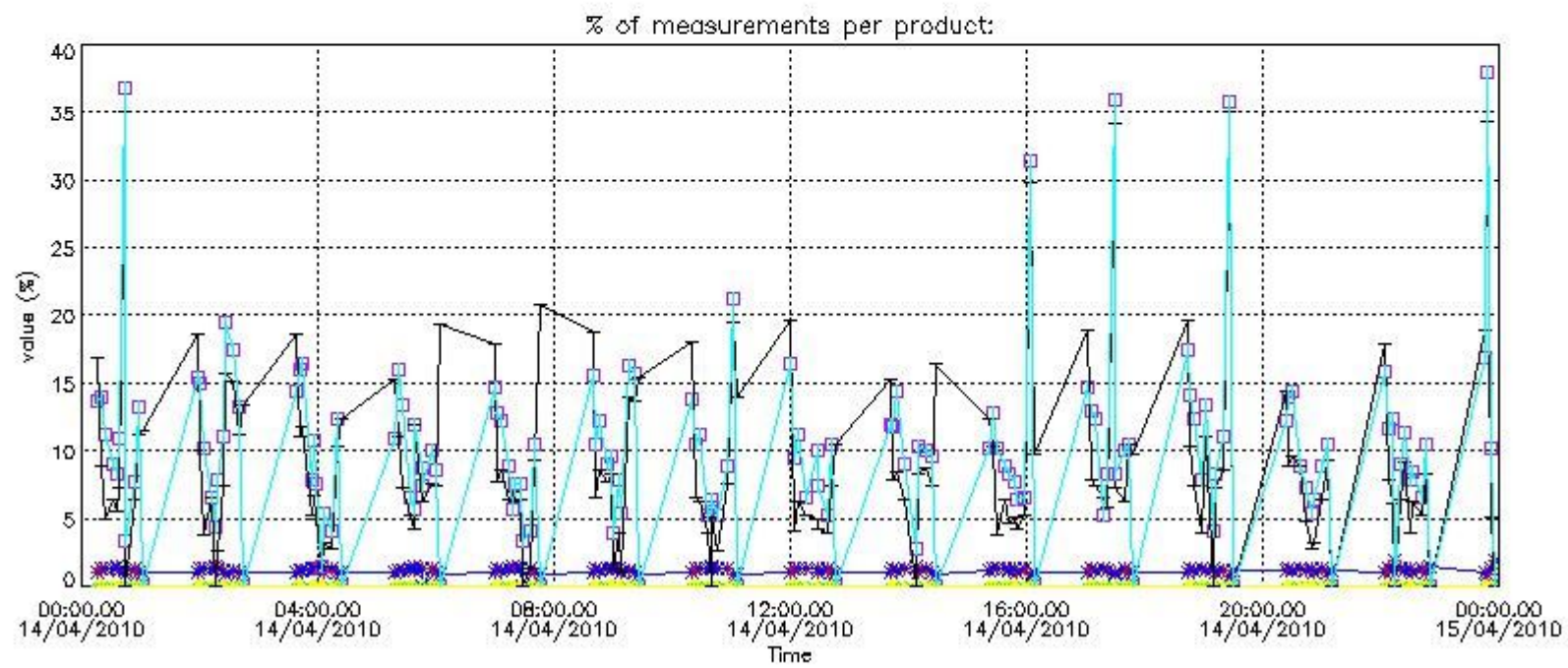
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

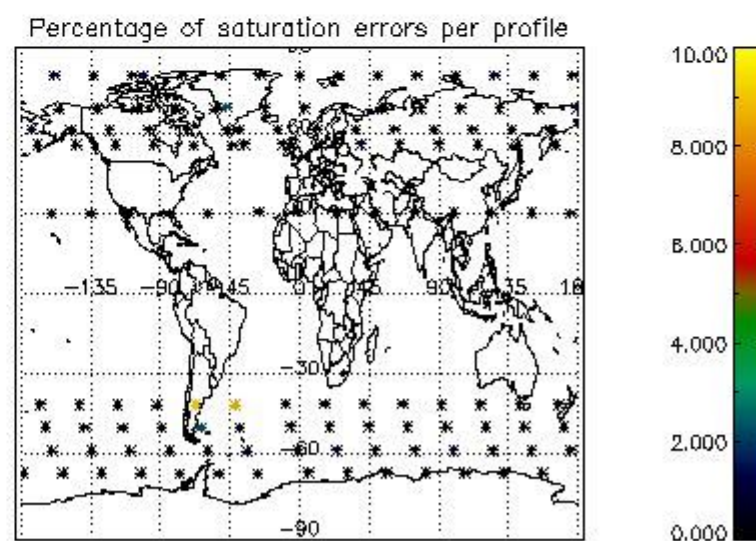
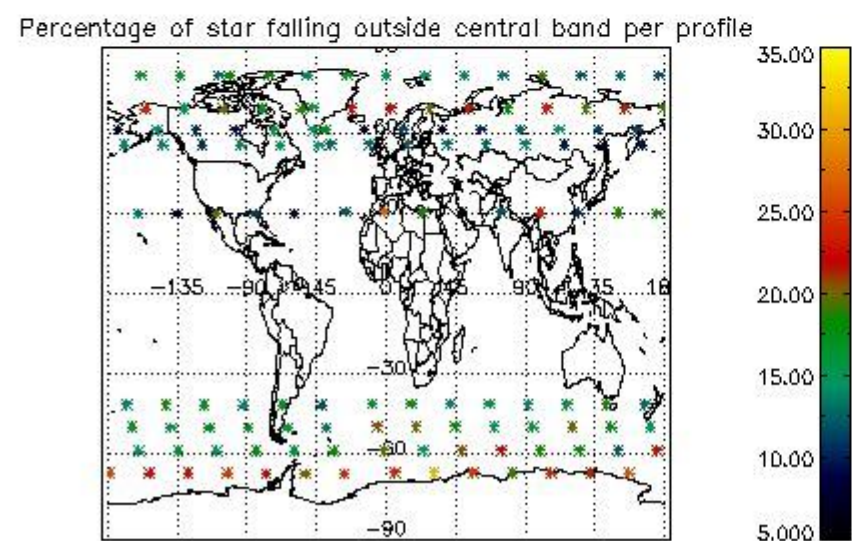
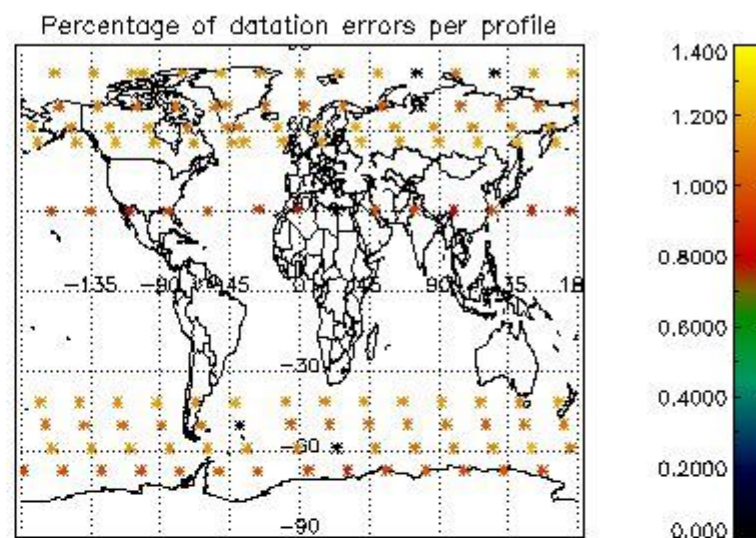
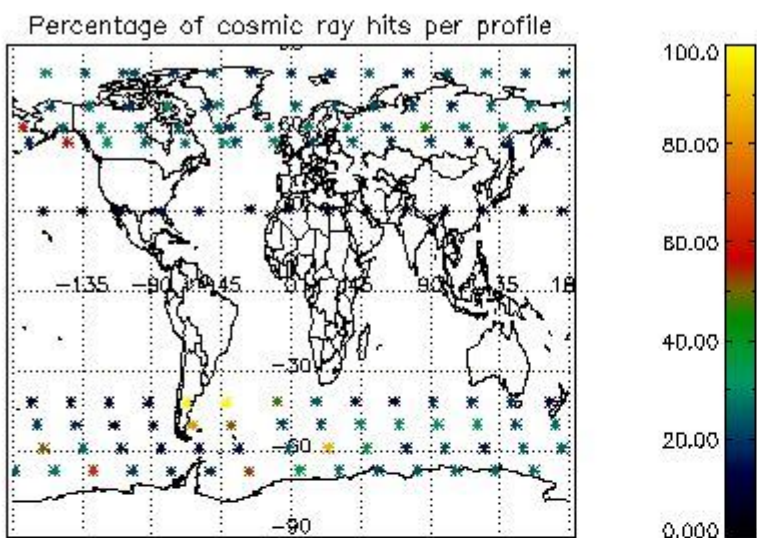


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

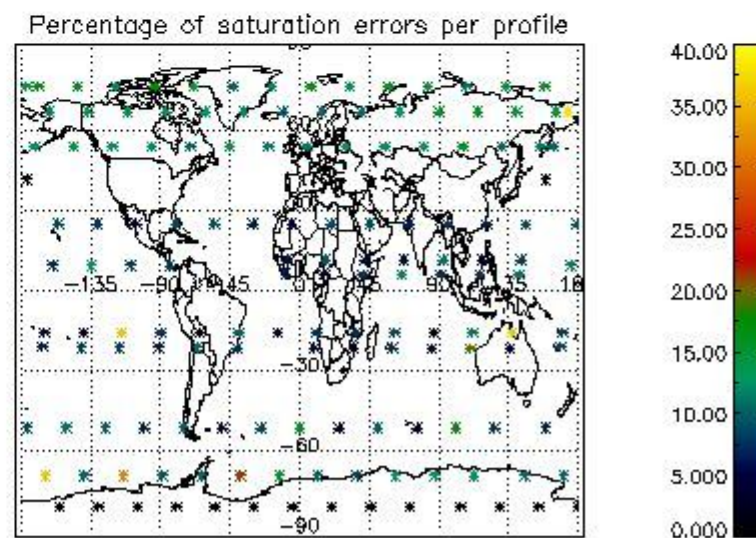
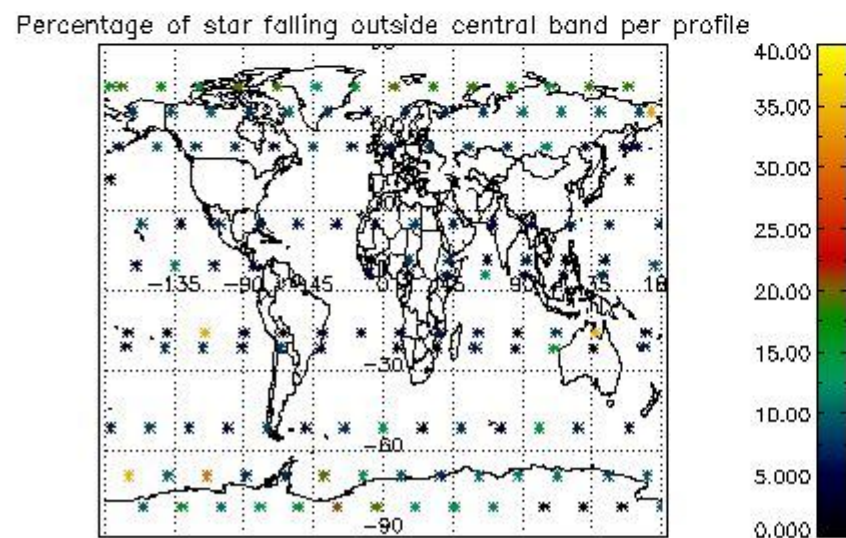
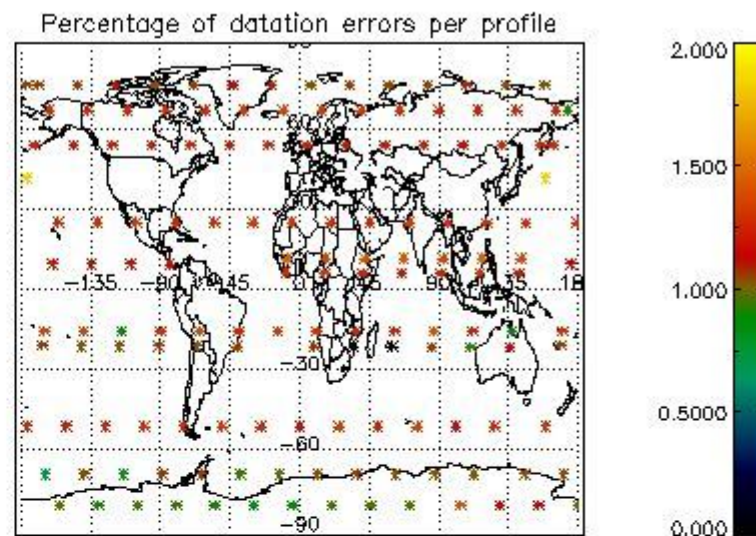
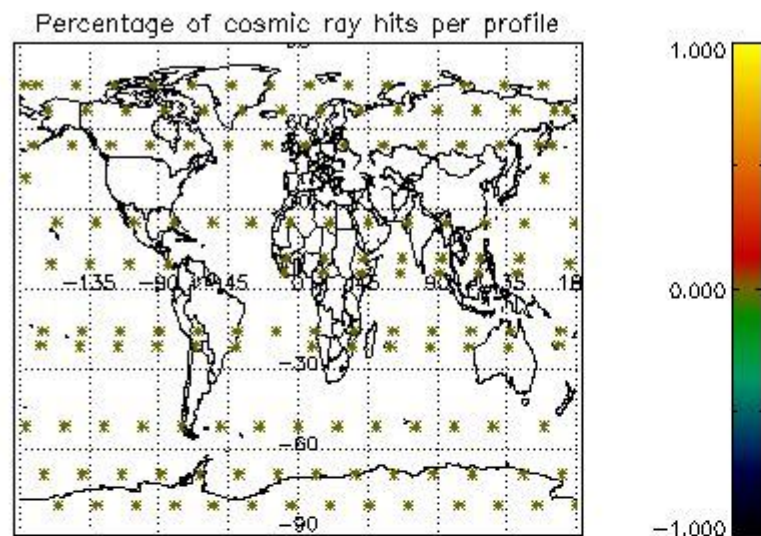


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

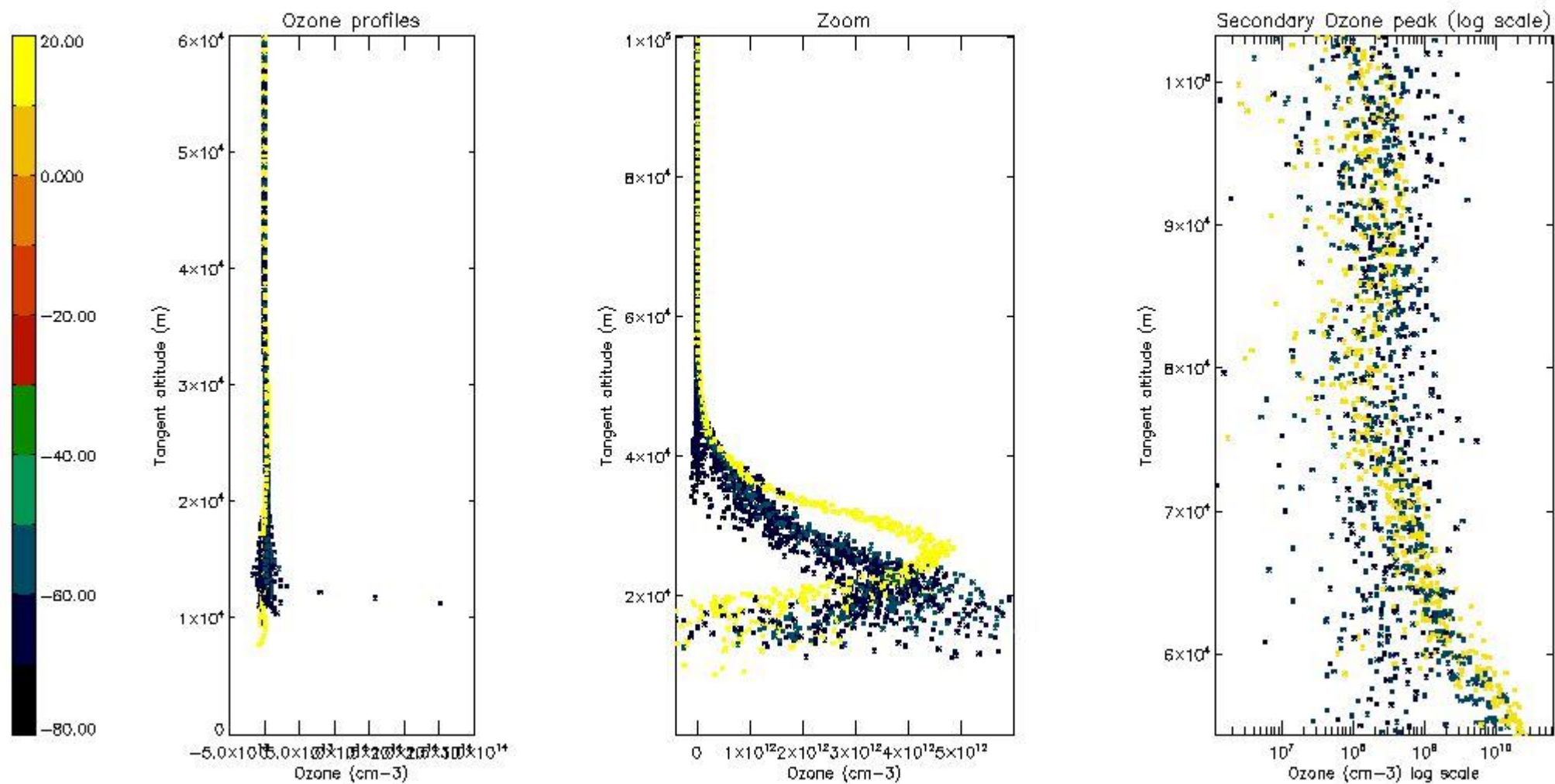
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	7

STD < 10	3
STD < 5	1

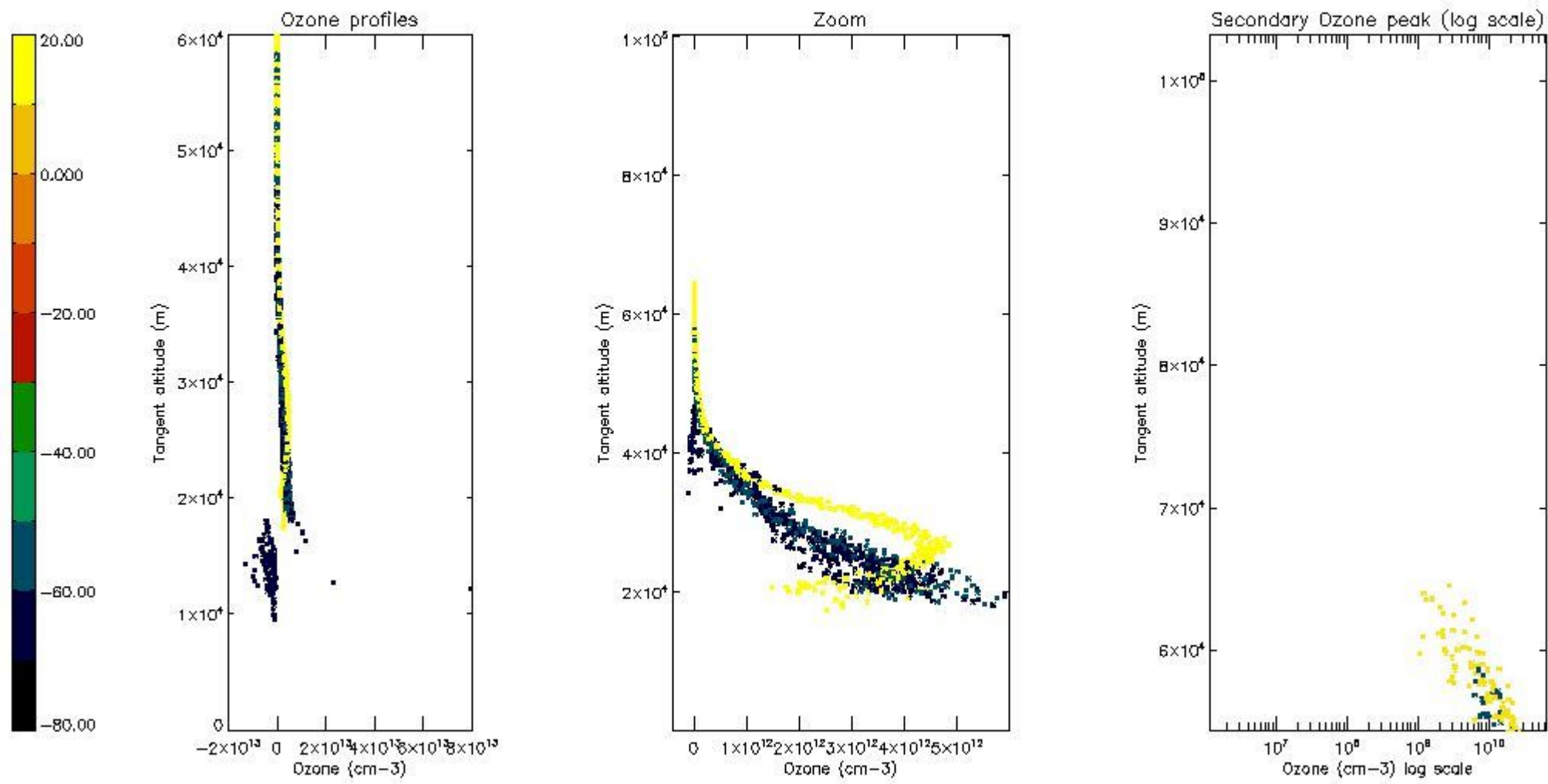
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



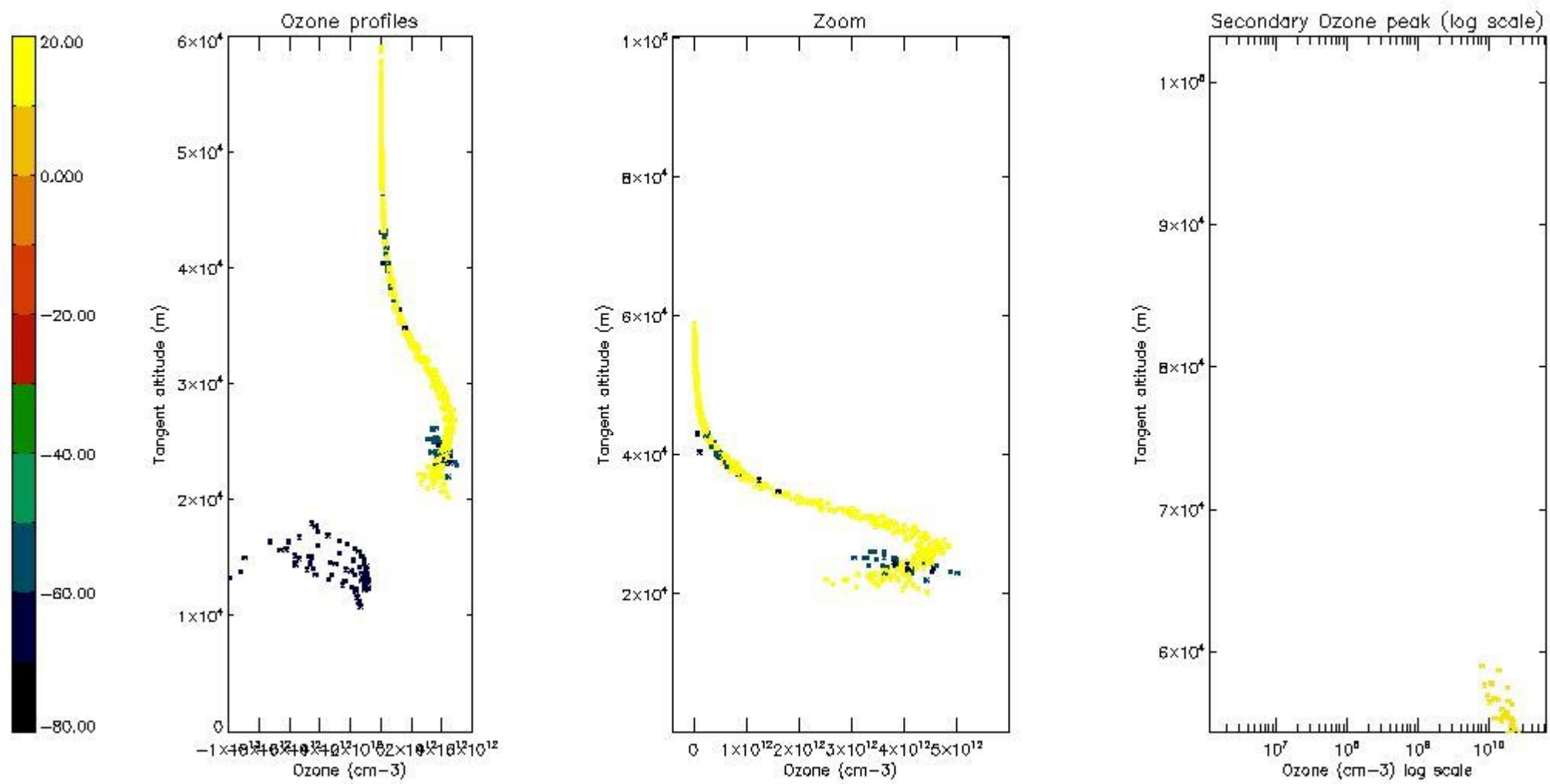
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



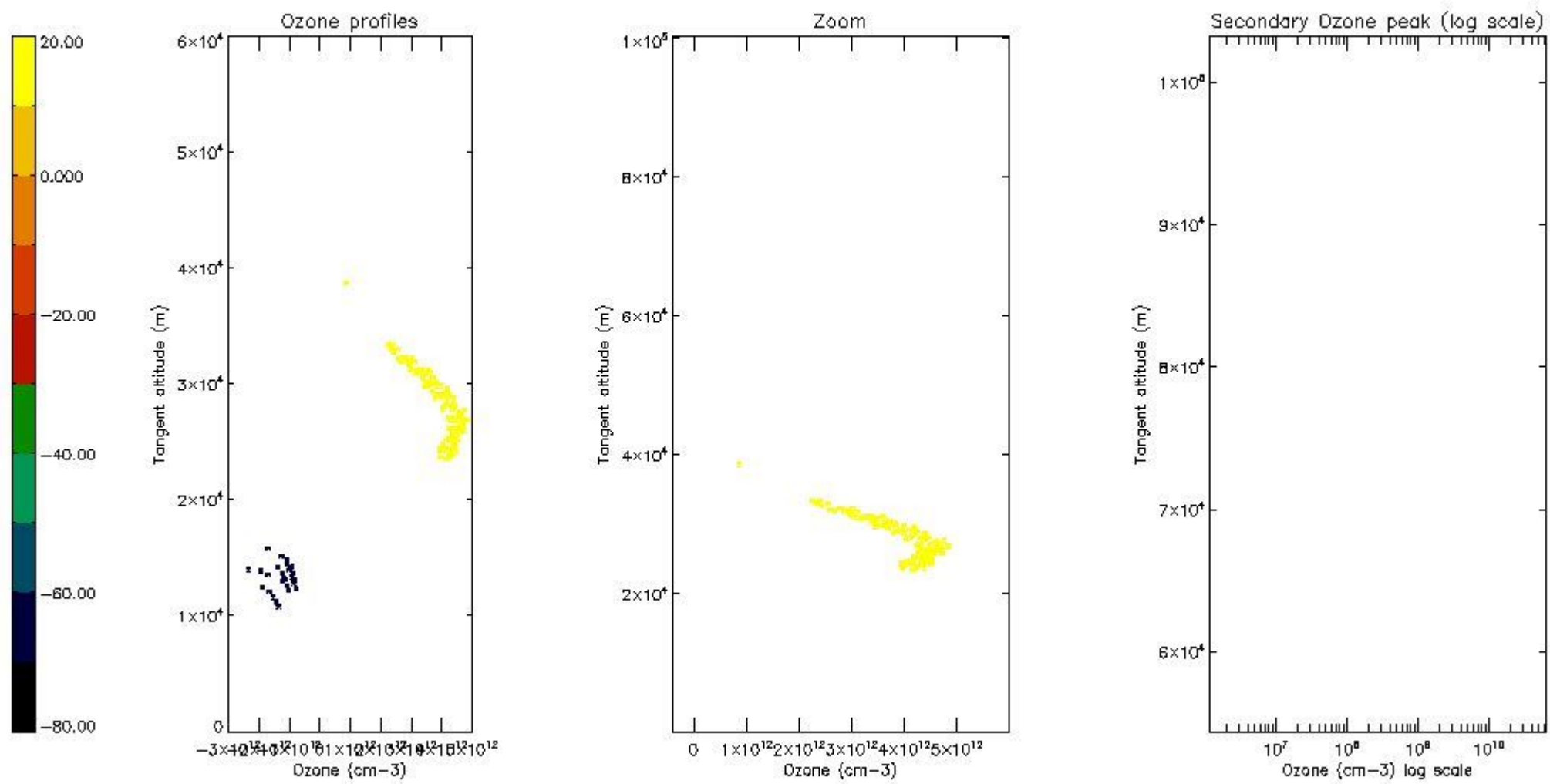
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



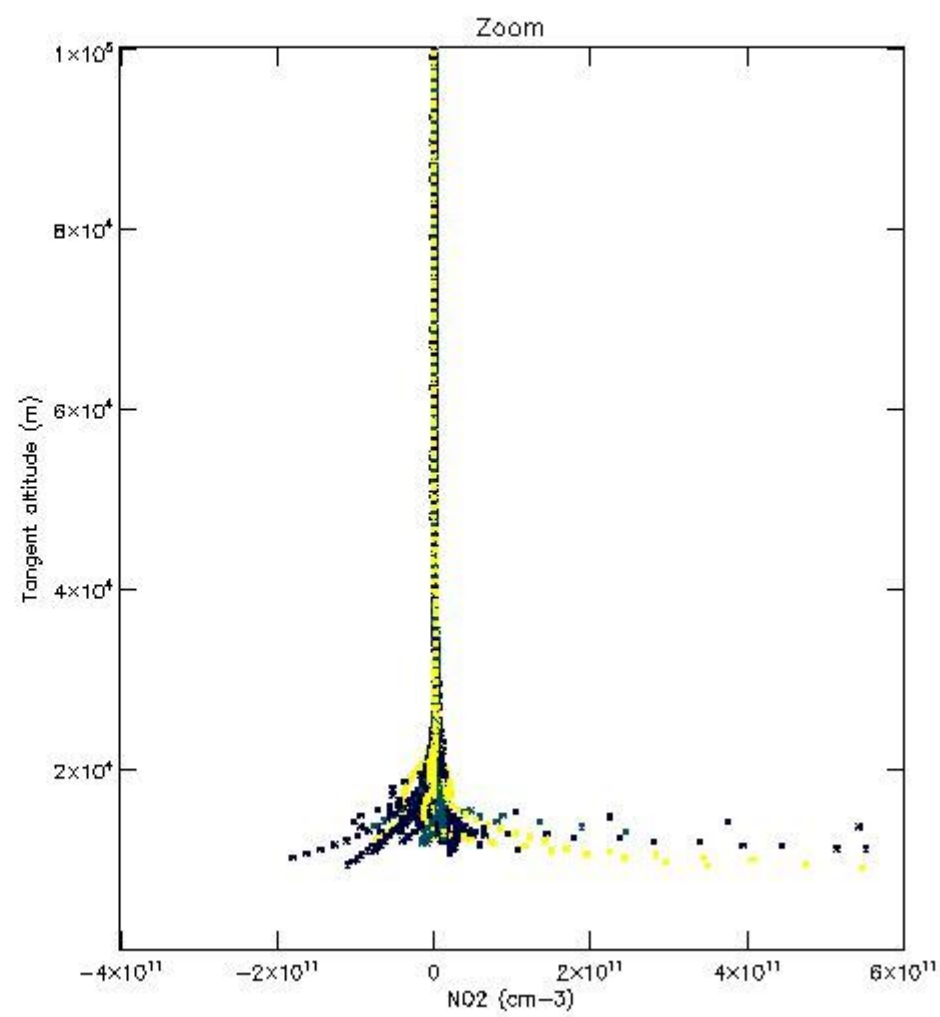
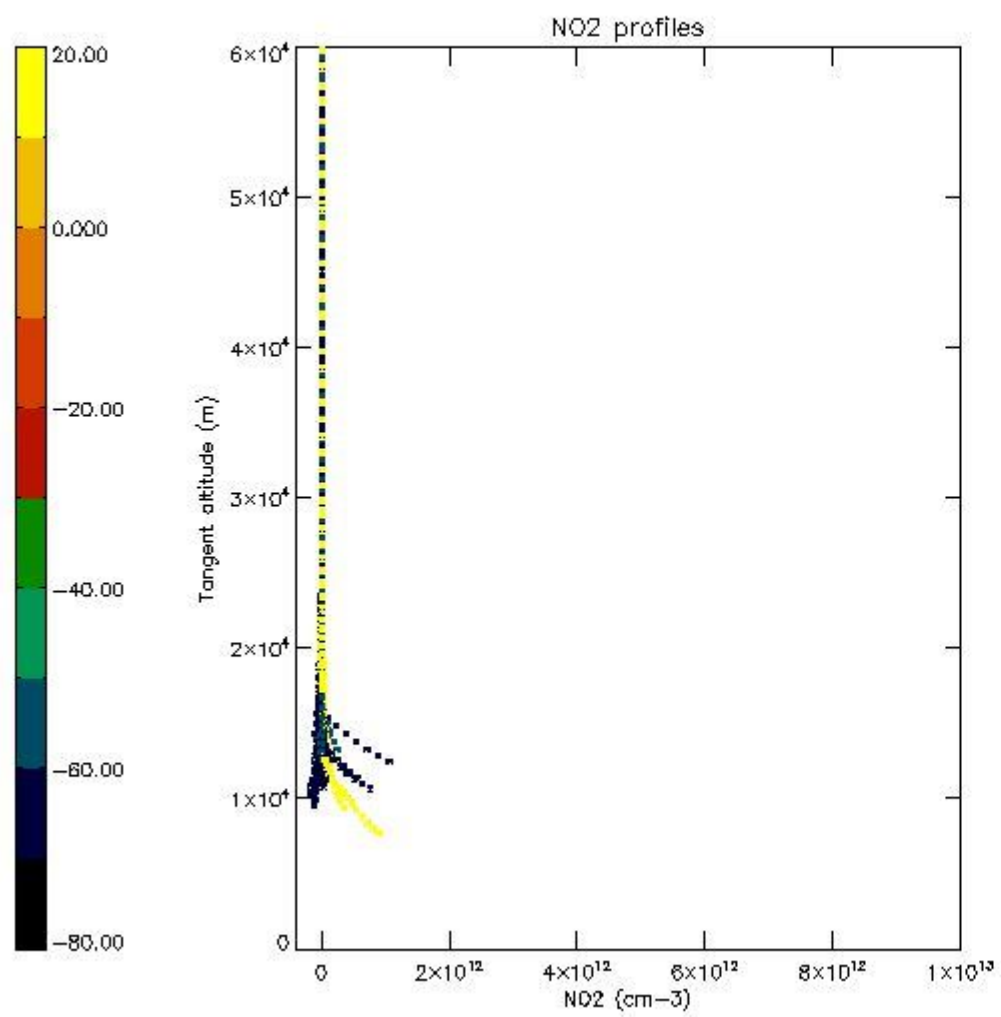
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



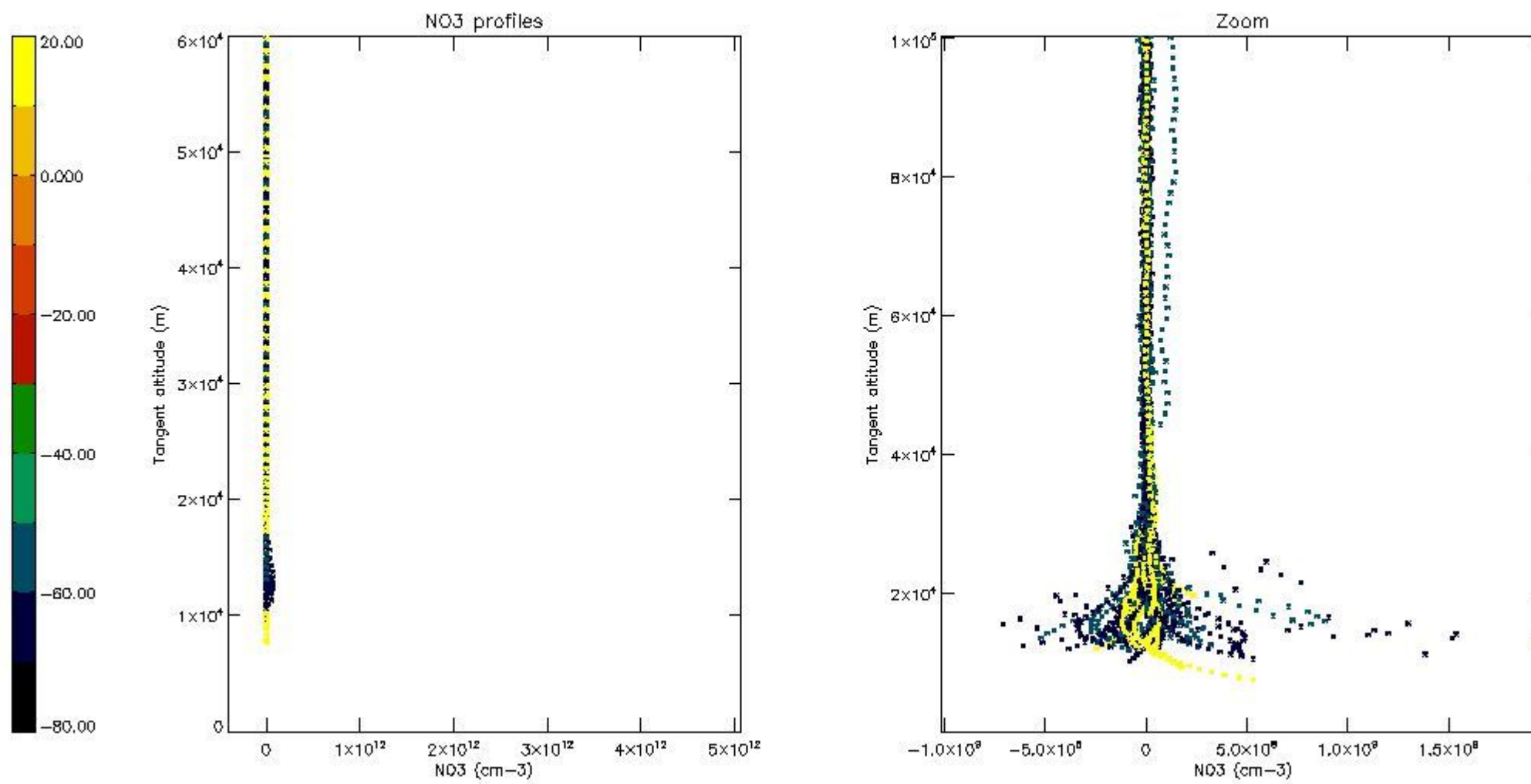
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	14-APR-2010 00:04:13
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	14-APR-2010 00:04:13
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	14-APR-2010 00:04:13

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	29APR2013 09:40:42
Data source version	GOMOS/6.01
Start time of products	14-04-2010 (14APR2010 00:00:00)
Stop time of products	15-04-2010 (15APR2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	279
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

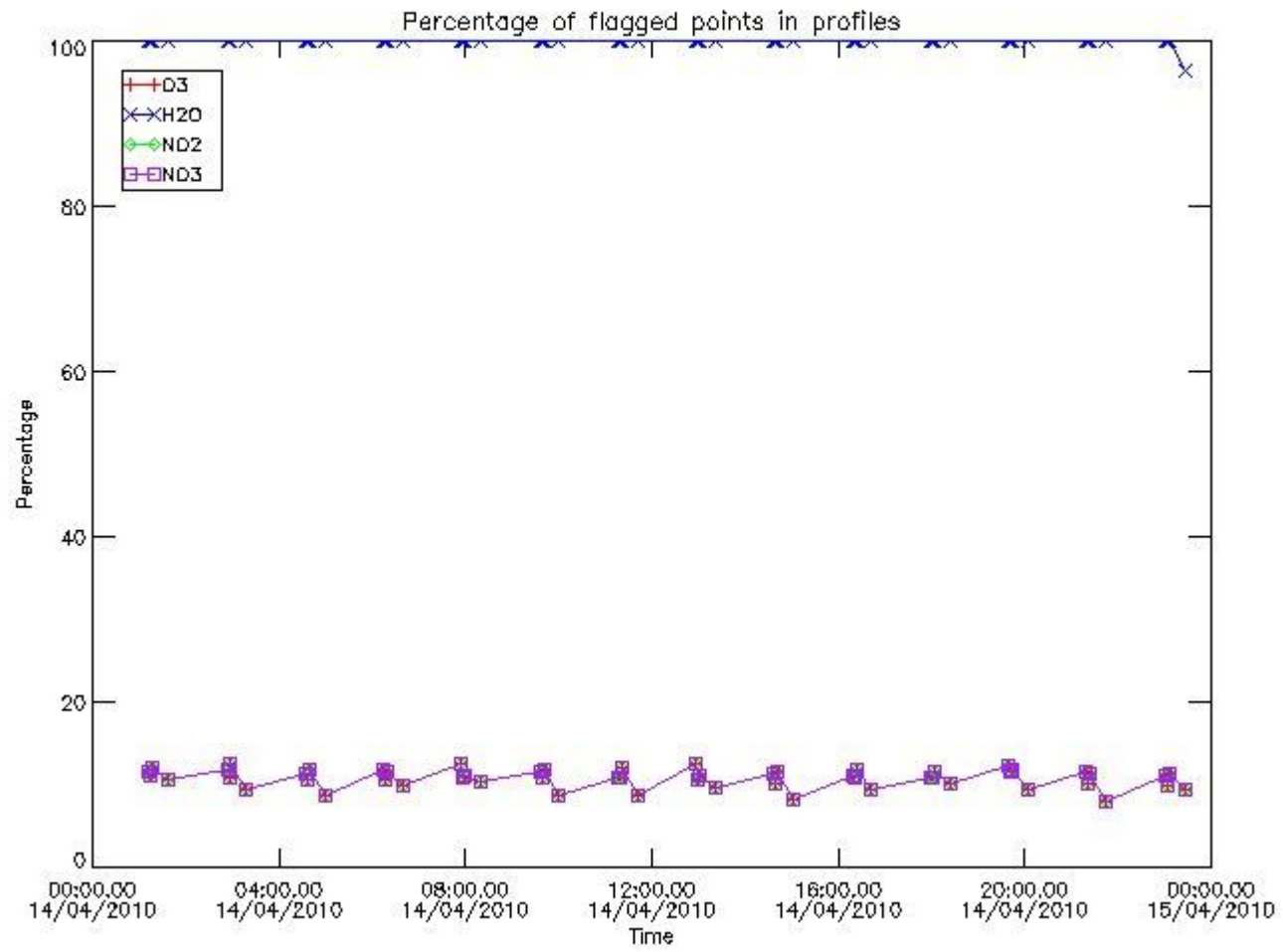
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100414_000413_000000452088_00317_42455_4464.N1	14-APR-2010 00:04:13	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42455	No
2	GOM_NL__2PRFIN20100414_000549_000000462088_00317_42455_4465.N1	14-APR-2010 00:05:49	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42455	No
3	GOM_NL__2PRFIN20100414_000814_000000482088_00317_42455_4466.N1	14-APR-2010 00:08:14	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42455	No
4	GOM_NL__2PRFIN20100414_001302_000000432088_00317_42455_4467.N1	14-APR-2010 00:13:02	Twl_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42455	No
5	GOM_NL__2PRFIN20100414_001644_000000482088_00317_42455_4468.N1	14-APR-2010 00:16:44	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42455	No
6	GOM_NL__2PRFIN20100414_001948_000000402088_00317_42455_4469.N1	14-APR-2010 00:19:48	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42455	No
7	GOM_NL__2PRFIN20100414_002340_000000402088_00317_42455_4470.N1	14-APR-2010 00:23:40	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	42455	No
8	GOM_NL__2PRFIN20100414_003150_000000392088_00317_42455_4471.N1	14-APR-2010 00:31:50	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42455	No
9	GOM_NL__2PRFIN20100414_003534_000000362088_00317_42455_4472.N1	14-APR-2010 00:35:34	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42455	No
10	GOM_NL__2PRFIN20100414_003706_000000412088_00317_42455_4473.N1	14-APR-2010 00:37:06	Bright	41.000	55	79Zet UMa	2.0600	10200.	82	42455	No
11	GOM_NL__2PRFIN20100414_004314_000000572088_00317_42455_4474.N1	14-APR-2010 00:43:14	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	42455	No
12	GOM_NL__2PRFIN20100414_004451_000000452088_00317_42455_4475.N1	14-APR-2010 00:44:51	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42455	No
13	GOM_NL__2PRFIN20100414_005316_000000392088_00317_42455_4476.N1	14-APR-2010 00:53:16	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42455	No
14	GOM_NL__2PRFIN20100414_005832_000000492088_00317_42455_4477.N1	14-APR-2010 00:58:32	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42455	No
15	GOM_NL__2PRFIN20100414_010246_000000532088_00317_42455_4478.N1	14-APR-2010 01:02:46	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42455	No
16	GOM_NL__2PRFIN20100414_011002_000000522088_00317_42455_4479.N1	14-APR-2010 01:10:02	Twilight	51.500	61	8Eps Peg	2.1000	3900.0	103	42455	No
17	GOM_NL__2PRFIN20100414_011230_000000452088_00317_42455_4480.N1	14-APR-2010 01:12:30	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	42455	No
18	GOM_NL__2PRFIN20100414_011502_000000452088_00317_42455_4481.N1	14-APR-2010 01:15:02	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42455	No
19	GOM_NL__2PRFIN20100414_011727_000000422088_00317_42455_4482.N1	14-APR-2010 01:17:27	Dark	42.000	142	49Del Cap	2.8500	8900.0	84	42455	No
20	GOM_NL__2PRFIN20100414_013730_000000532088_00318_42456_4471.N1	14-APR-2010 01:37:30	Dark	52.500	40	The Sco	1.8590	7100.0	105	42456	No
21	GOM_NL__2PRFIN20100414_014450_000000452088_00318_42456_4472.N1	14-APR-2010 01:44:50	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42456	No
22	GOM_NL__2PRFIN20100414_014626_000000472088_00318_42456_4473.N1	14-APR-2010 01:46:26	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	42456	No
23	GOM_NL__2PRFIN20100414_014850_000000472088_00318_42456_4474.N1	14-APR-2010 01:48:50	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42456	No
24	GOM_NL__2PRFIN20100414_015338_000000452088_00318_42456_4475.N1	14-APR-2010 01:53:38	Twl_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42456	No
25	GOM_NL__2PRFIN20100414_015720_000000492088_00318_42456_4476.N1	14-APR-2010 01:57:20	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42456	No
26	GOM_NL__2PRFIN20100414_020024_000000402088_00318_42456_4477.N1	14-APR-2010 02:00:24	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	42456	No
27	GOM_NL__2PRFIN20100414_020415_000000402088_00318_42456_4478.N1	14-APR-2010 02:04:15	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42456	No
28	GOM_NL__2PRFIN20100414_021226_000000392088_00318_42456_4479.N1	14-APR-2010 02:12:26	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42456	No
29	GOM_NL__2PRFIN20100414_021610_000000342088_00318_42456_4480.N1	14-APR-2010 02:16:10	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	42456	No
30	GOM_NL__2PRFIN20100414_021741_000000392088_00318_42456_4481.N1	14-APR-2010 02:17:41	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	42456	No
31	GOM_NL__2PRFIN20100414_022349_000000412088_00318_42456_4482.N1	14-APR-2010 02:23:49	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42456	No
32	GOM_NL__2PRFIN20100414_022526_000000542088_00318_42456_4483.N1	14-APR-2010 02:25:26	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	42456	No
33	GOM_NL__2PRFIN20100414_023352_000000432088_00318_42456_4484.N1	14-APR-2010 02:33:52	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42456	No
34	GOM_NL__2PRFIN20100414_023908_000000492088_00318_42456_4485.N1	14-APR-2010 02:39:08	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42456	No
35	GOM_NL__2PRFIN20100414_024322_000000532088_00318_42456_4486.N1	14-APR-2010 02:43:22	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42456	No
36	GOM_NL__2PRFIN20100414_025038_000000502088_00318_42456_4487.N1	14-APR-2010 02:50:38	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	42456	No
37	GOM_NL__2PRFIN20100414_025306_000000442088_00318_42456_4488.N1	14-APR-2010 02:53:06	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42456	No
38	GOM_NL__2PRFIN20100414_025539_000000472088_00318_42456_4489.N1	14-APR-2010 02:55:39	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	42456	No
39	GOM_NL__2PRFIN20100414_025804_000000452088_00318_42456_4490.N1	14-APR-2010 02:58:04	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42456	No
40	GOM_NL__2PRFIN20100414_031807_000000542088_00319_42457_4480.N1	14-APR-2010 03:18:07	Dark	54.000	40	The Sco	1.8590	7100.0	108	42457	No
41	GOM_NL__2PRFIN20100414_032526_000000442088_00319_42457_4481.N1	14-APR-2010 03:25:26	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42457	No
42	GOM_NL__2PRFIN20100414_032702_000000432088_00319_42457_4482.N1	14-APR-2010 03:27:02	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42457	No

43	GOM_NL__2PRFIN20100414_032927_000000482088_00319_42457_4483.N1	14-APR-2010 03:29:27	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42457	No
44	GOM_NL__2PRFIN20100414_033414_000000452088_00319_42457_4484.N1	14-APR-2010 03:34:14	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	42457	No
45	GOM_NL__2PRFIN20100414_033756_000000492088_00319_42457_4485.N1	14-APR-2010 03:37:56	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	42457	No
46	GOM_NL__2PRFIN20100414_034100_000000412088_00319_42457_4486.N1	14-APR-2010 03:41:00	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42457	No
47	GOM_NL__2PRFIN20100414_034451_000000432088_00319_42457_4487.N1	14-APR-2010 03:44:51	Bright	42.500	138	47Eps Vir	2.8280	4700.0	85	42457	No
48	GOM_NL__2PRFIN20100414_035301_000000392088_00319_42457_4488.N1	14-APR-2010 03:53:01	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42457	No
49	GOM_NL__2PRFIN20100414_035646_000000372088_00319_42457_4489.N1	14-APR-2010 03:56:46	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42457	No
50	GOM_NL__2PRFIN20100414_035817_000000402088_00319_42457_4490.N1	14-APR-2010 03:58:17	Bright	40.000	55	79Zet UMa	2.0600	10200.	80	42457	No
51	GOM_NL__2PRFIN20100414_040425_000000362088_00319_42457_4491.N1	14-APR-2010 04:04:25	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	42457	No
52	GOM_NL__2PRFIN20100414_040602_000000472088_00319_42457_4492.N1	14-APR-2010 04:06:02	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42457	No
53	GOM_NL__2PRFIN20100414_041428_000000372088_00319_42457_4493.N1	14-APR-2010 04:14:28	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42457	No
54	GOM_NL__2PRFIN20100414_041944_000000492088_00319_42457_4494.N1	14-APR-2010 04:19:44	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	42457	No
55	GOM_NL__2PRFIN20100414_042358_000000532088_00319_42457_4495.N1	14-APR-2010 04:23:58	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	42457	No
56	GOM_NL__2PRFIN20100414_043115_000000512088_00319_42457_4496.N1	14-APR-2010 04:31:15	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	42457	No
57	GOM_NL__2PRFIN20100414_043343_000000452088_00319_42457_4497.N1	14-APR-2010 04:33:43	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42457	No
58	GOM_NL__2PRFIN20100414_043616_000000492088_00319_42457_4498.N1	14-APR-2010 04:36:16	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42457	No
59	GOM_NL__2PRFIN20100414_043840_000000432088_00319_42457_4499.N1	14-APR-2010 04:38:40	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42457	No
60	GOM_NL__2PRFIN20100414_045845_000000592088_00320_42458_4488.N1	14-APR-2010 04:58:45	Dark	59.000	40	The Sco	1.8590	7100.0	118	42458	No
61	GOM_NL__2PRFIN20100414_050603_000000422088_00320_42458_4489.N1	14-APR-2010 05:06:03	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42458	No
62	GOM_NL__2PRFIN20100414_050739_000000442088_00320_42458_4490.N1	14-APR-2010 05:07:39	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42458	No
63	GOM_NL__2PRFIN20100414_051003_000000462088_00320_42458_4491.N1	14-APR-2010 05:10:03	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42458	No
64	GOM_NL__2PRFIN20100414_051450_000000422088_00320_42458_4492.N1	14-APR-2010 05:14:50	Twilight	42.000	169	46Gam Hya	2.9910	4700.0	84	42458	No
65	GOM_NL__2PRFIN20100414_051832_000000462088_00320_42458_4493.N1	14-APR-2010 05:18:32	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	42458	No
66	GOM_NL__2PRFIN20100414_052136_000000412088_00320_42458_4494.N1	14-APR-2010 05:21:36	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42458	No
67	GOM_NL__2PRFIN20100414_052527_000000412088_00320_42458_4495.N1	14-APR-2010 05:25:27	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42458	No
68	GOM_NL__2PRFIN20100414_053337_000000382088_00320_42458_4496.N1	14-APR-2010 05:33:37	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42458	No
69	GOM_NL__2PRFIN20100414_053722_000000352088_00320_42458_4497.N1	14-APR-2010 05:37:22	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	42458	No
70	GOM_NL__2PRFIN20100414_053852_000000422088_00320_42458_4498.N1	14-APR-2010 05:38:52	Bright	42.000	55	79Zet UMa	2.0600	10200.	84	42458	No
71	GOM_NL__2PRFIN20100414_054500_000000402088_00320_42458_4499.N1	14-APR-2010 05:45:00	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42458	No
72	GOM_NL__2PRFIN20100414_054637_000000482088_00320_42458_4500.N1	14-APR-2010 05:46:37	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	42458	No
73	GOM_NL__2PRFIN20100414_055504_000000402088_00320_42458_4501.N1	14-APR-2010 05:55:04	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42458	No
74	GOM_NL__2PRFIN20100414_060019_000000472088_00320_42458_4502.N1	14-APR-2010 06:00:19	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	42458	No
75	GOM_NL__2PRFIN20100414_060434_000000572088_00320_42458_4503.N1	14-APR-2010 06:04:34	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	42458	No
76	GOM_NL__2PRFIN20100414_061151_000000532088_00320_42458_4504.N1	14-APR-2010 06:11:51	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42458	No
77	GOM_NL__2PRFIN20100414_061419_000000442088_00320_42458_4505.N1	14-APR-2010 06:14:19	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42458	No
78	GOM_NL__2PRFIN20100414_061652_000000492088_00320_42458_4506.N1	14-APR-2010 06:16:52	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42458	No
79	GOM_NL__2PRFIN20100414_061917_000000442088_00320_42458_4507.N1	14-APR-2010 06:19:17	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42458	No
80	GOM_NL__2PRFIN20100414_063921_000000522088_00321_42459_4496.N1	14-APR-2010 06:39:21	Dark	51.500	40	The Sco	1.8590	7100.0	103	42459	No
81	GOM_NL__2PRFIN20100414_064639_000000442088_00321_42459_4497.N1	14-APR-2010 06:46:39	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42459	No
82	GOM_NL__2PRFIN20100414_064815_000000462088_00321_42459_4498.N1	14-APR-2010 06:48:15	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42459	No
83	GOM_NL__2PRFIN20100414_065039_000000512088_00321_42459_4499.N1	14-APR-2010 06:50:39	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42459	No
84	GOM_NL__2PRFIN20100414_065527_000000432088_00321_42459_4500.N1	14-APR-2010 06:55:27	Twilight	42.500	169	46Gam Hya	2.9910	4700.0	85	42459	No
85	GOM_NL__2PRFIN20100414_065908_000000482088_00321_42459_4501.N1	14-APR-2010 06:59:08	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	42459	No
86	GOM_NL__2PRFIN20100414_070212_000000392088_00321_42459_4502.N1	14-APR-2010 07:02:12	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	42459	No
87	GOM_NL__2PRFIN20100414_070603_000000412088_00321_42459_4503.N1	14-APR-2010 07:06:03	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42459	No
88	GOM_NL__2PRFIN20100414_071413_000000402088_00321_42459_4504.N1	14-APR-2010 07:14:13	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42459	No
89	GOM_NL__2PRFIN20100414_071758_000000362088_00321_42459_4505.N1	14-APR-2010 07:17:58	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	42459	No
90	GOM_NL__2PRFIN20100414_071928_000000402088_00321_42459_4506.N1	14-APR-2010 07:19:28	Bright	40.000	55	79Zet UMa	2.0600	10200.	80	42459	No
91	GOM_NL__2PRFIN20100414_072536_000000402088_00321_42459_4507.N1	14-APR-2010 07:25:36	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42459	No
92	GOM_NL__2PRFIN20100414_072712_000000442088_00321_42459_4508.N1	14-APR-2010 07:27:12	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	42459	No
93	GOM_NL__2PRFIN20100414_073539_000000382088_00321_42459_4509.N1	14-APR-2010 07:35:39	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42459	No
94	GOM_NL__2PRFIN20100414_074055_000000482088_00321_42459_4510.N1	14-APR-2010 07:40:55	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42459	No
95	GOM_NL__2PRFIN20100414_074510_000000582088_00321_42459_4511.N1	14-APR-2010 07:45:10	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	42459	No
96	GOM_NL__2PRFIN20100414_075227_000000512088_00321_42459_4512.N1	14-APR-2010 07:52:27	Twilight	51.000	61	8Eps Peg	2.1000	3900.0	102	42459	No
97	GOM_NL__2PRFIN20100414_075455_000000452088_00321_42459_4513.N1	14-APR-2010 07:54:55	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	42459	No
98	GOM_NL__2PRFIN20100414_075729_000000482088_00321_42459_4514.N1	14-APR-2010 07:57:29	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	42459	No
99	GOM_NL__2PRFIN20100414_075953_000000462088_00321_42459_4515.N1	14-APR-2010 07:59:53	Dark	45.500	142	49Del Cap	2.8500	8900.0	91	42459	No
100	GOM_NL__2PRFIN20100414_081959_000000542088_00322_42460_4504.N1	14-APR-2010 08:19:59	Dark	54.000	40	The Sco	1.8590	7100.0	108	42460	No
101	GOM_NL__2PRFIN20100414_082715_000000442088_00322_42460_4505.N1	14-APR-2010 08:27:15	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42460	No

3. Quality information per product

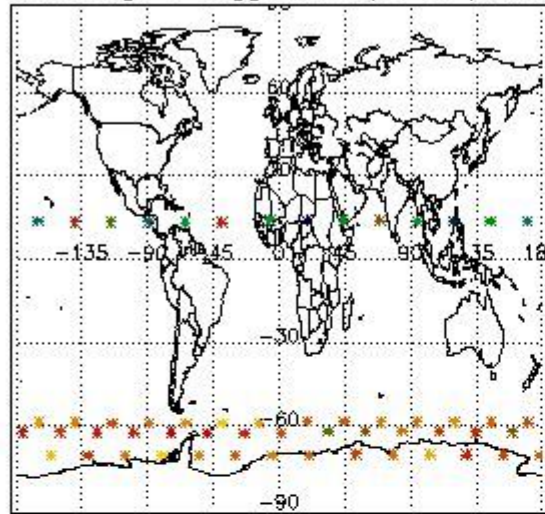
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

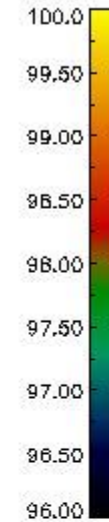
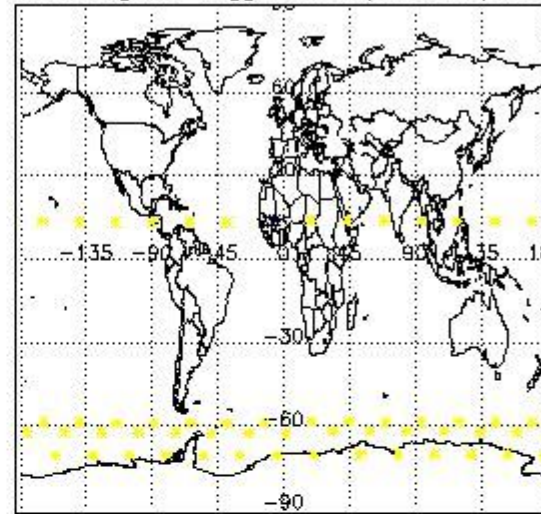


3.2 Plot quality information per product (world map)

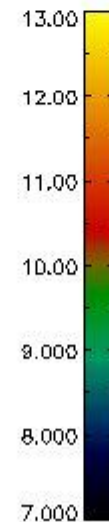
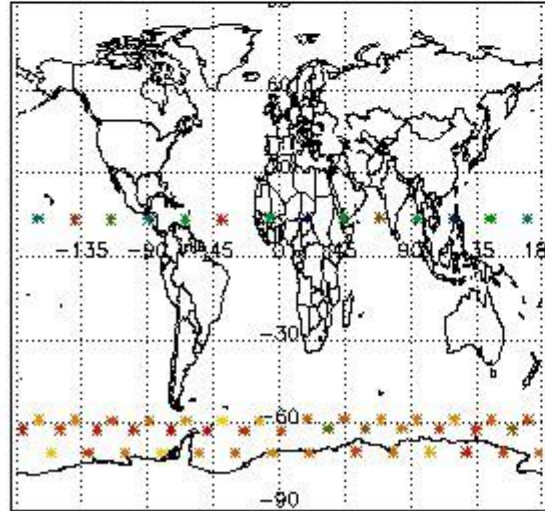
Percentage of flagged data per O3 profile



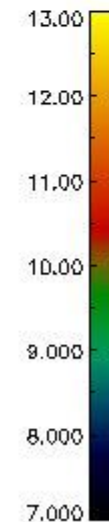
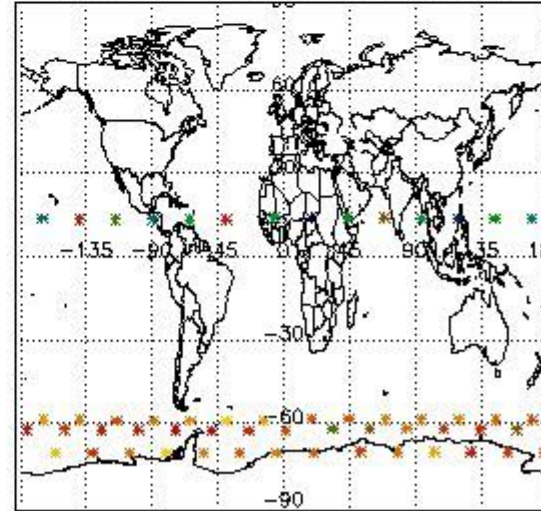
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

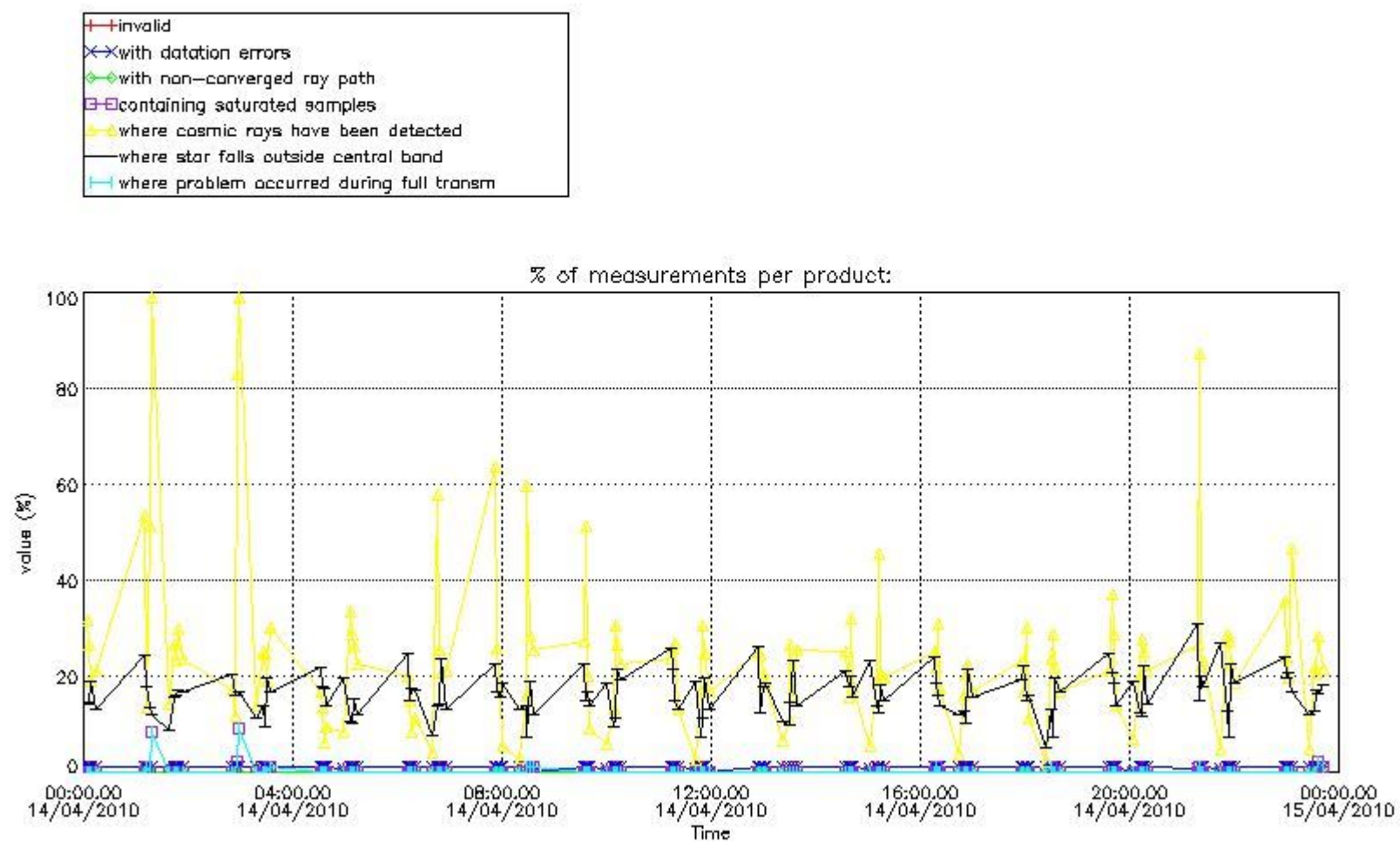


4. Level 1 quality information per product

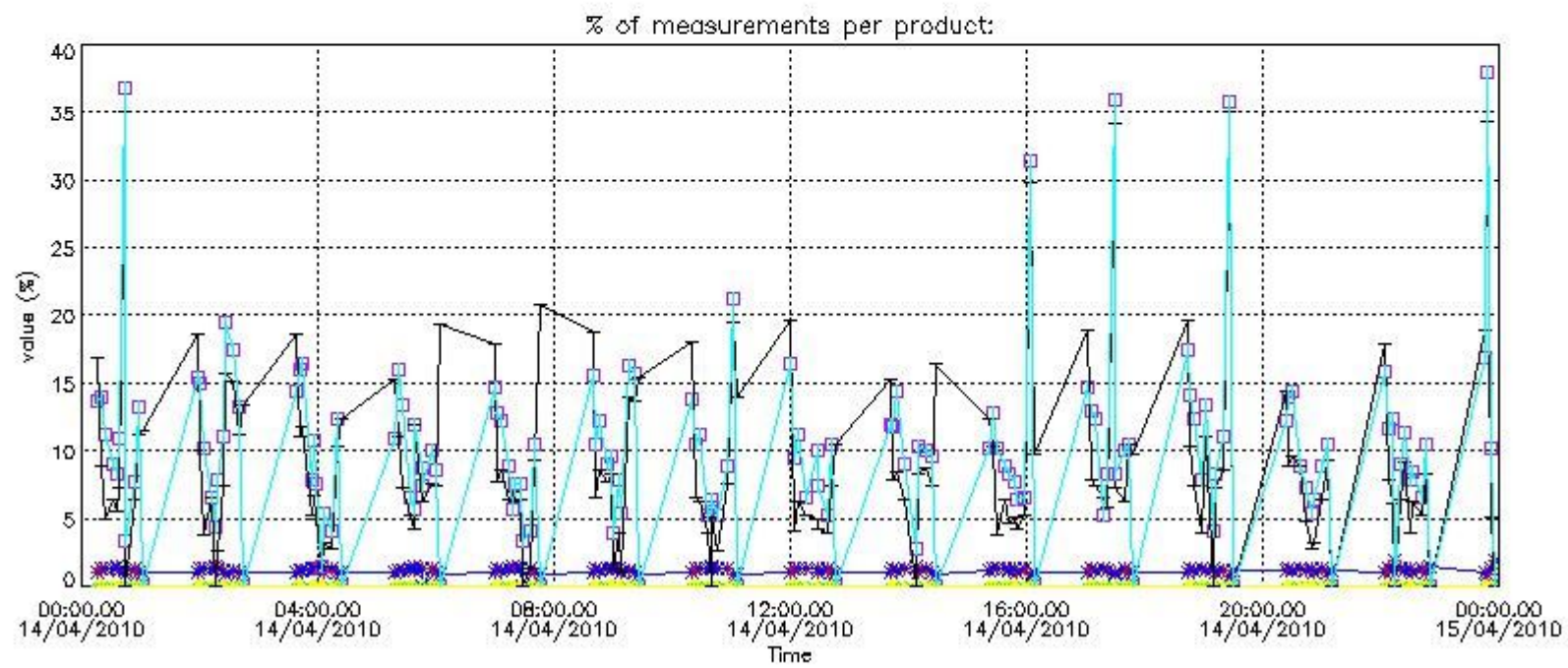
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

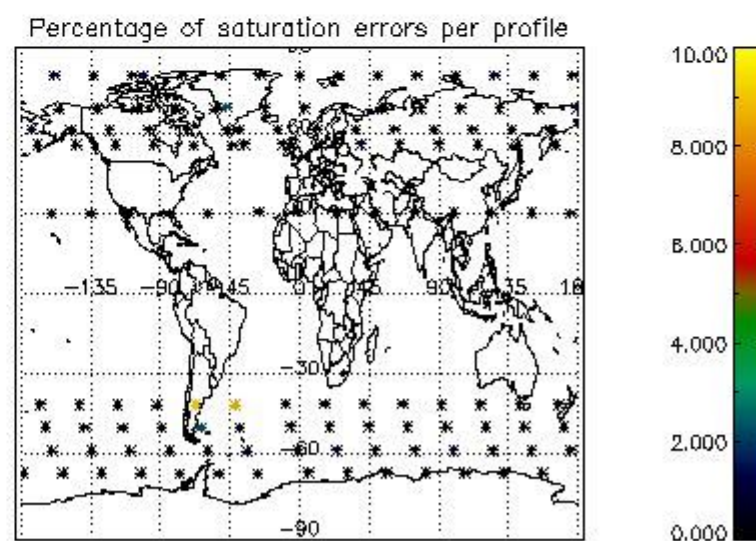
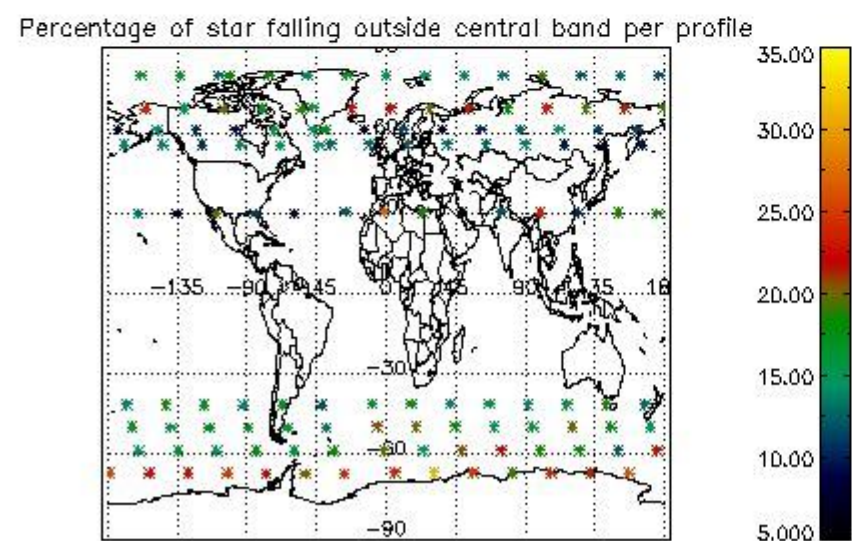
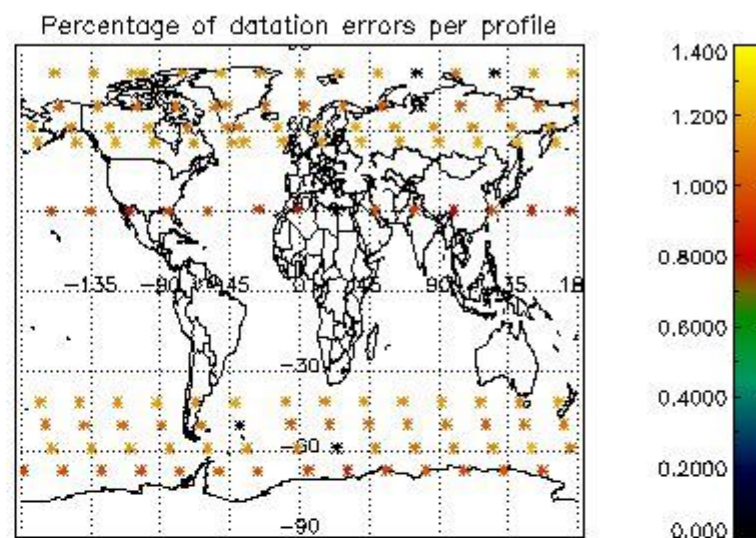
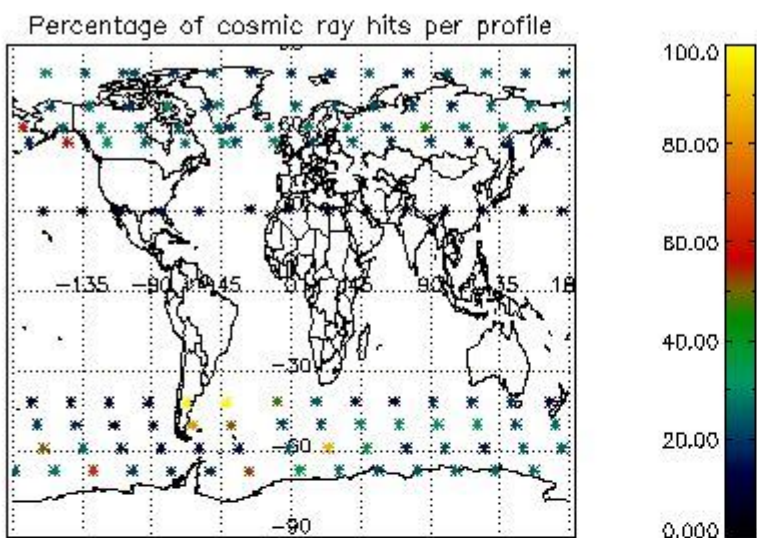


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

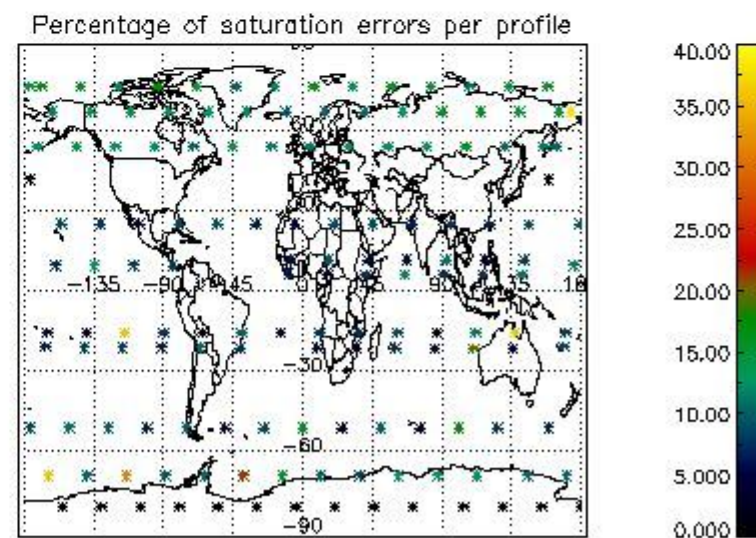
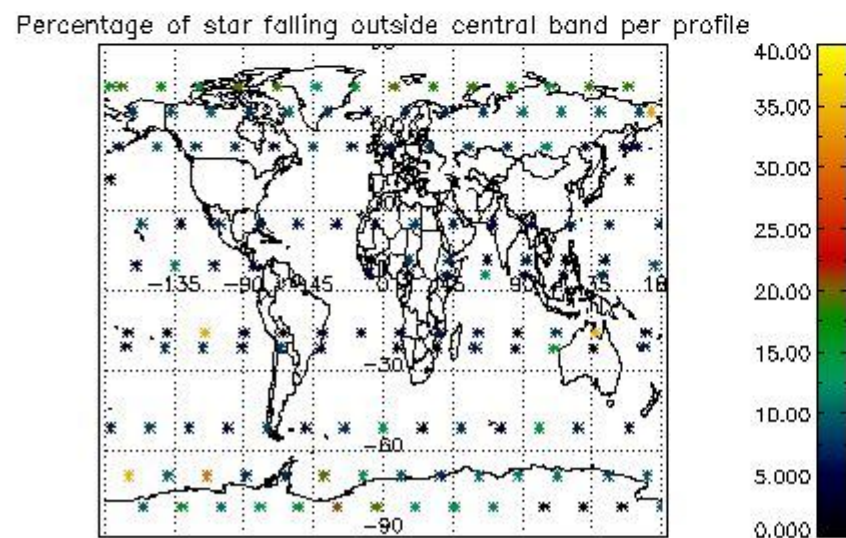
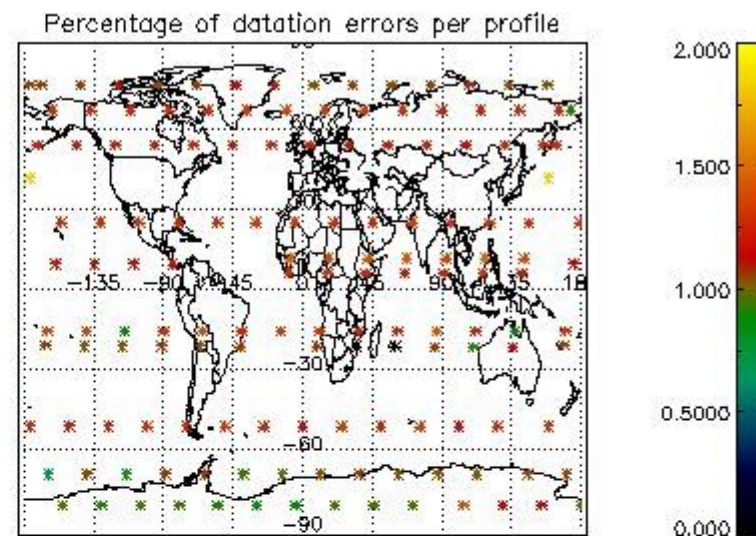
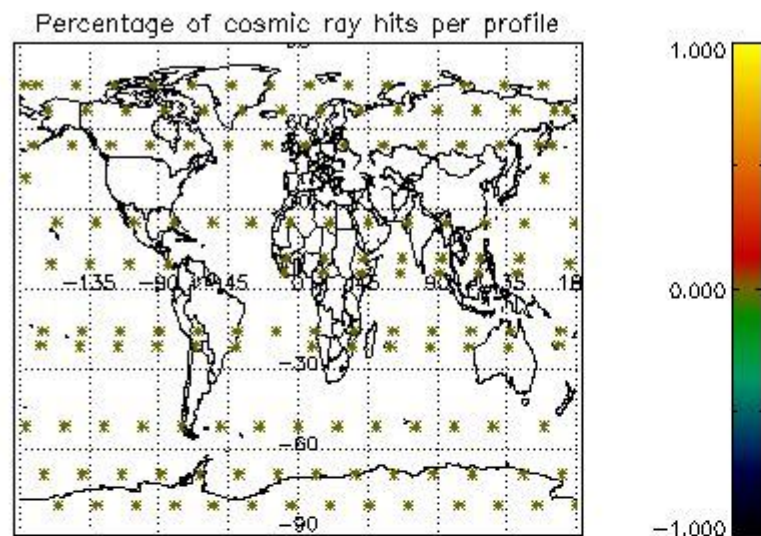


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

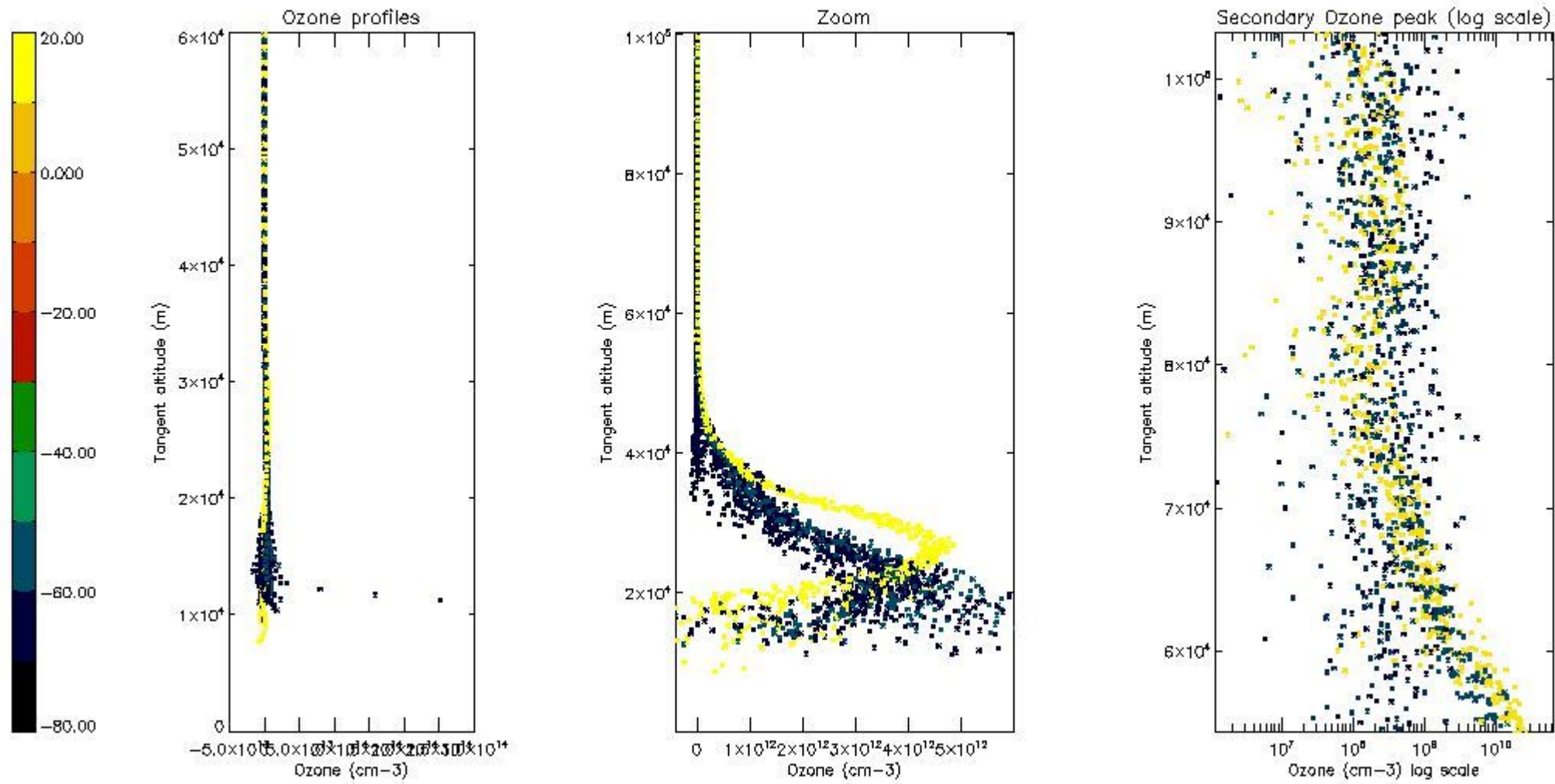
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	7

STD < 10	3
STD < 5	1

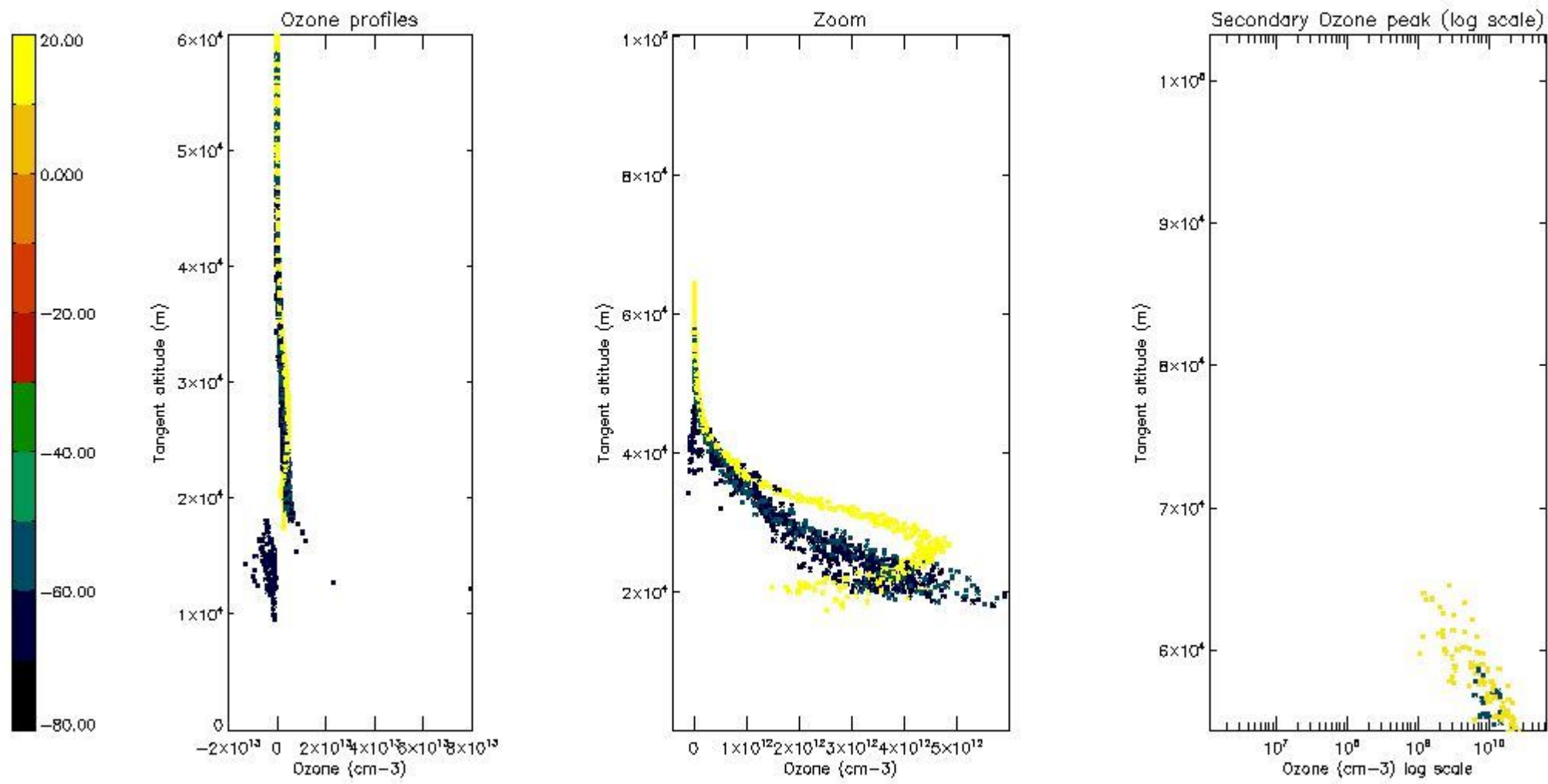
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



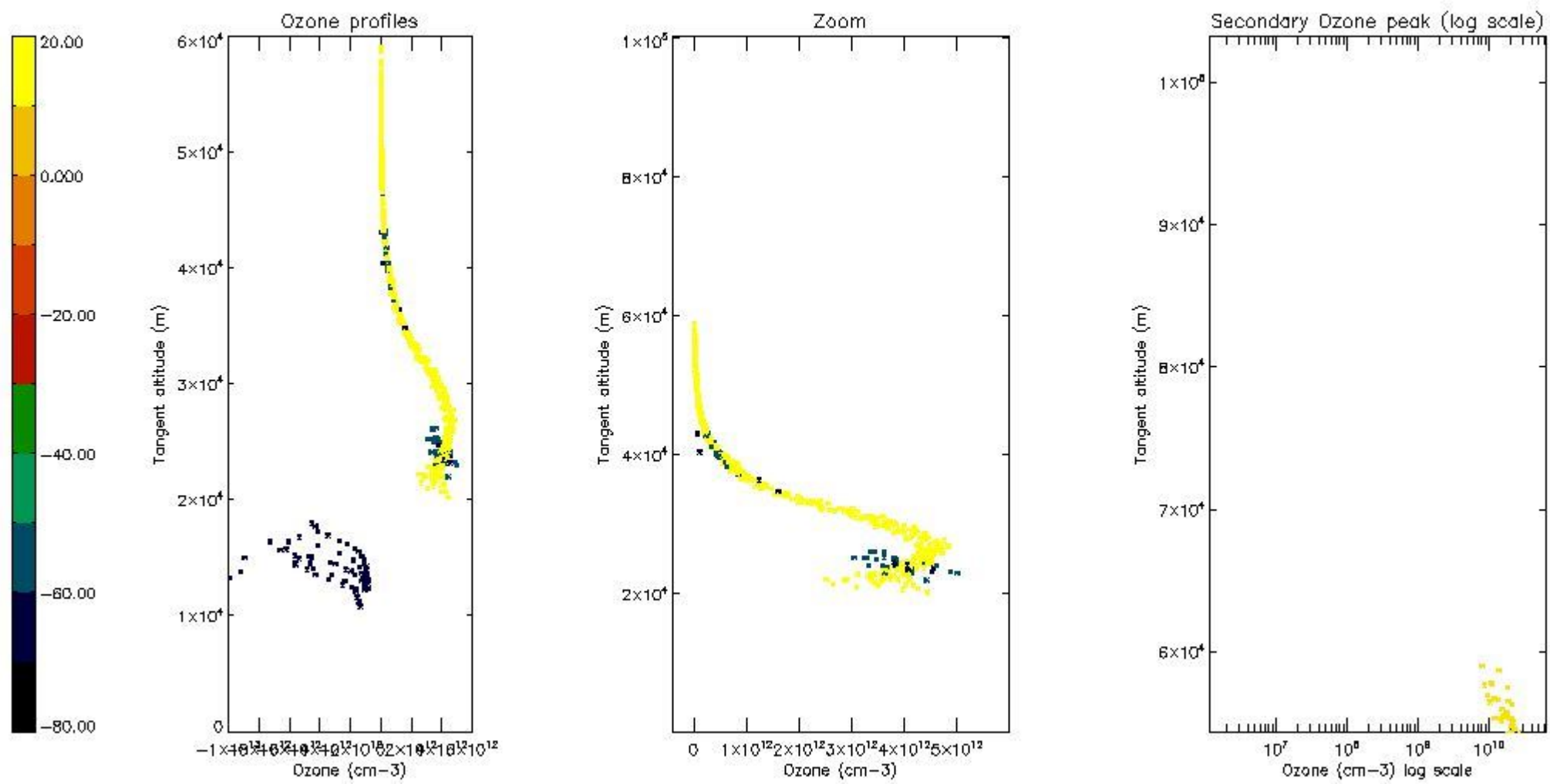
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



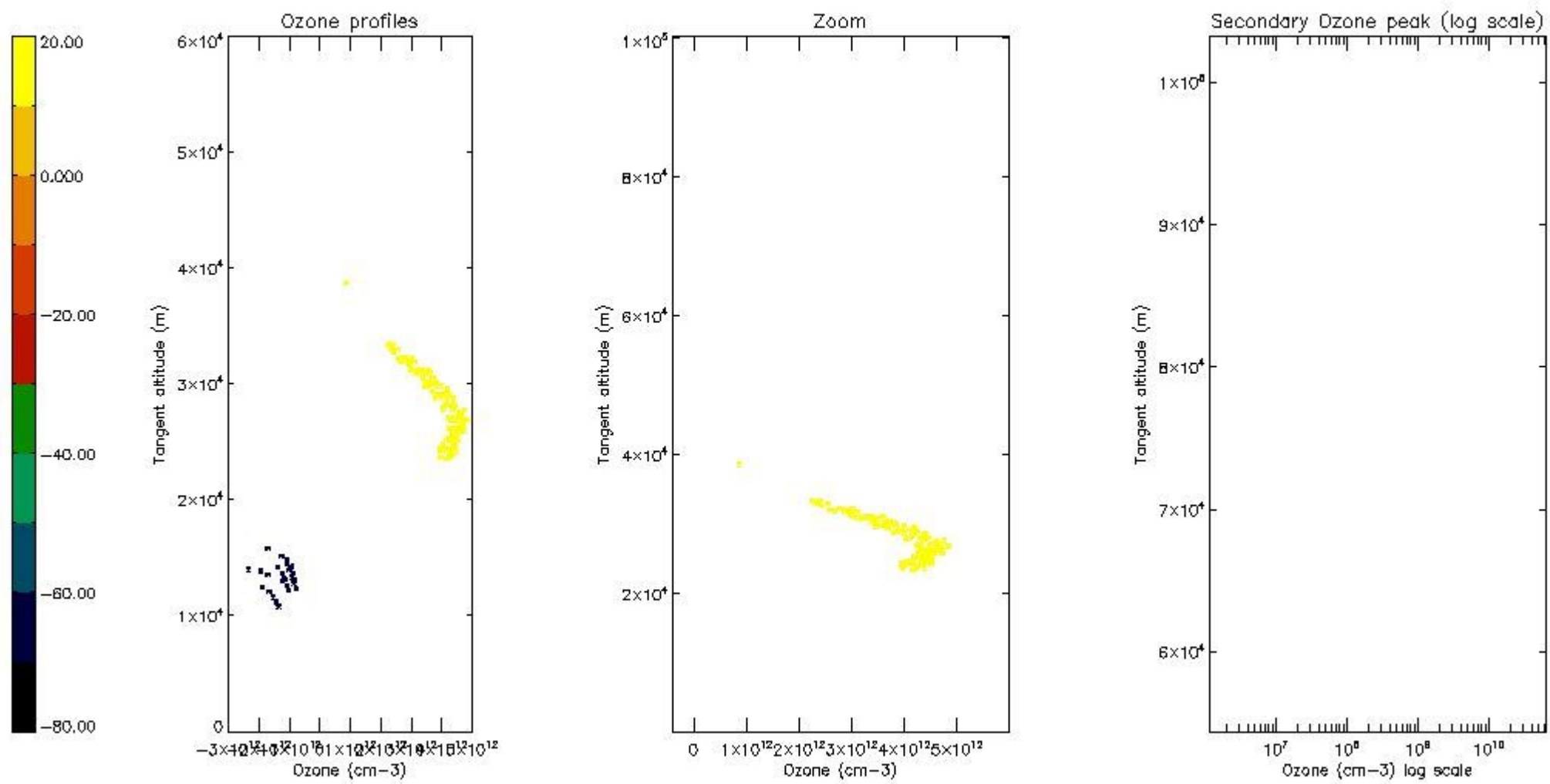
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



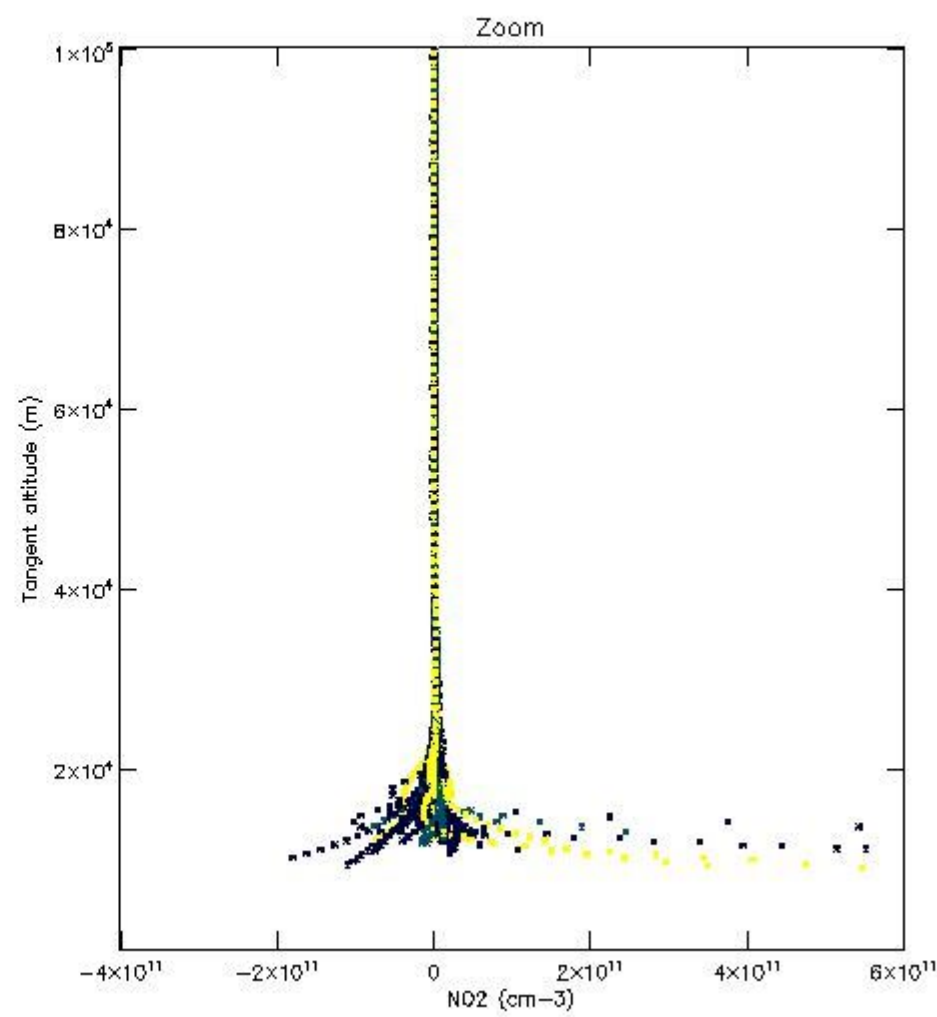
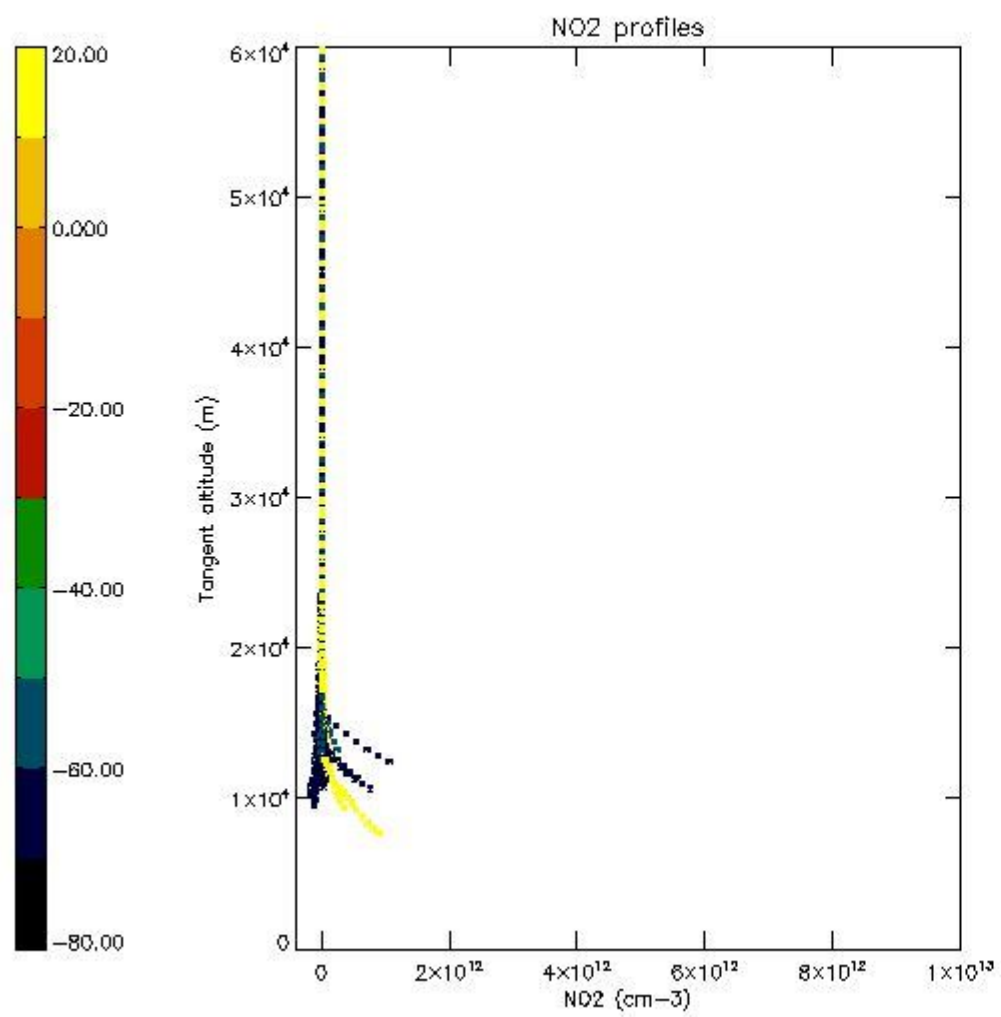
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



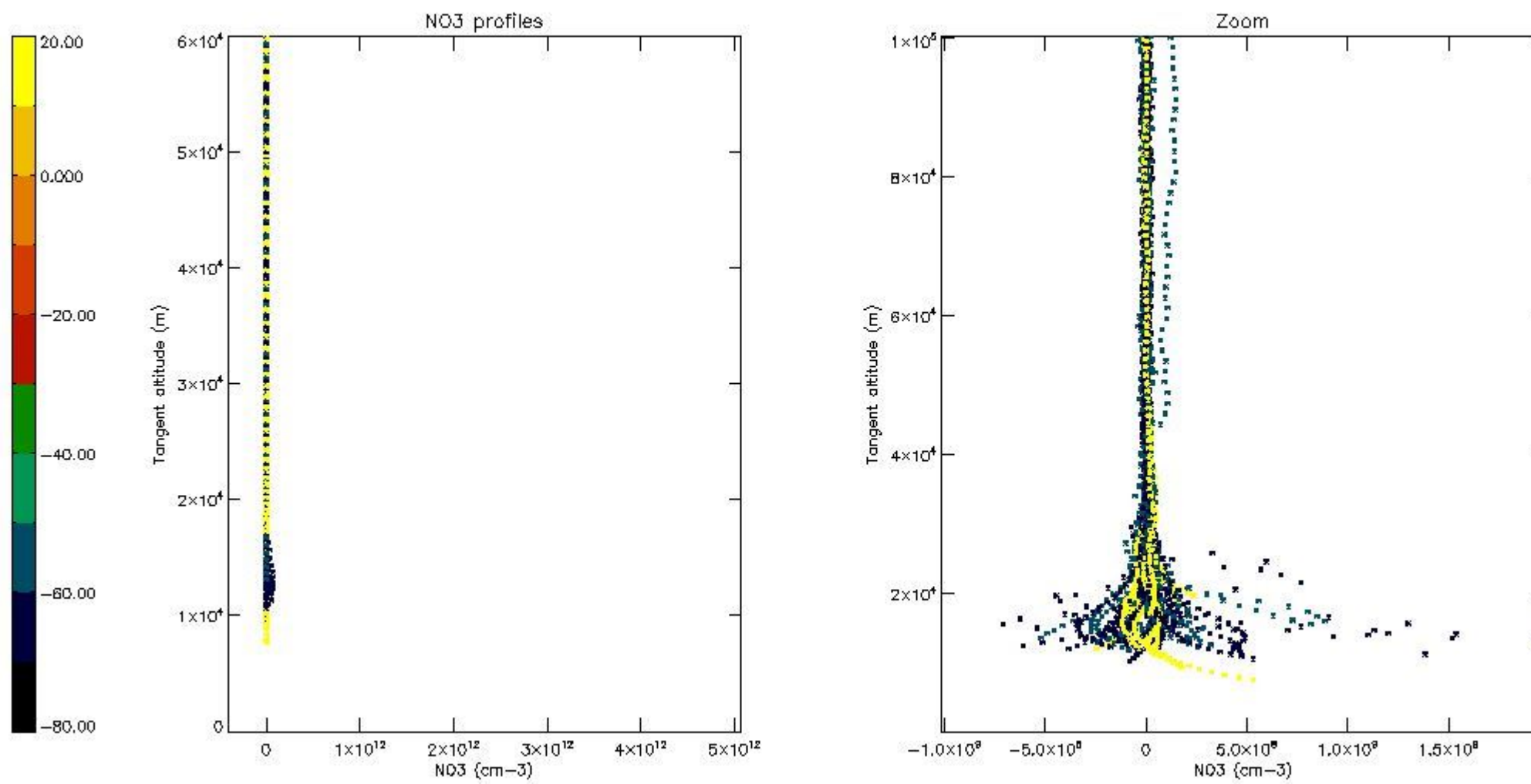
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

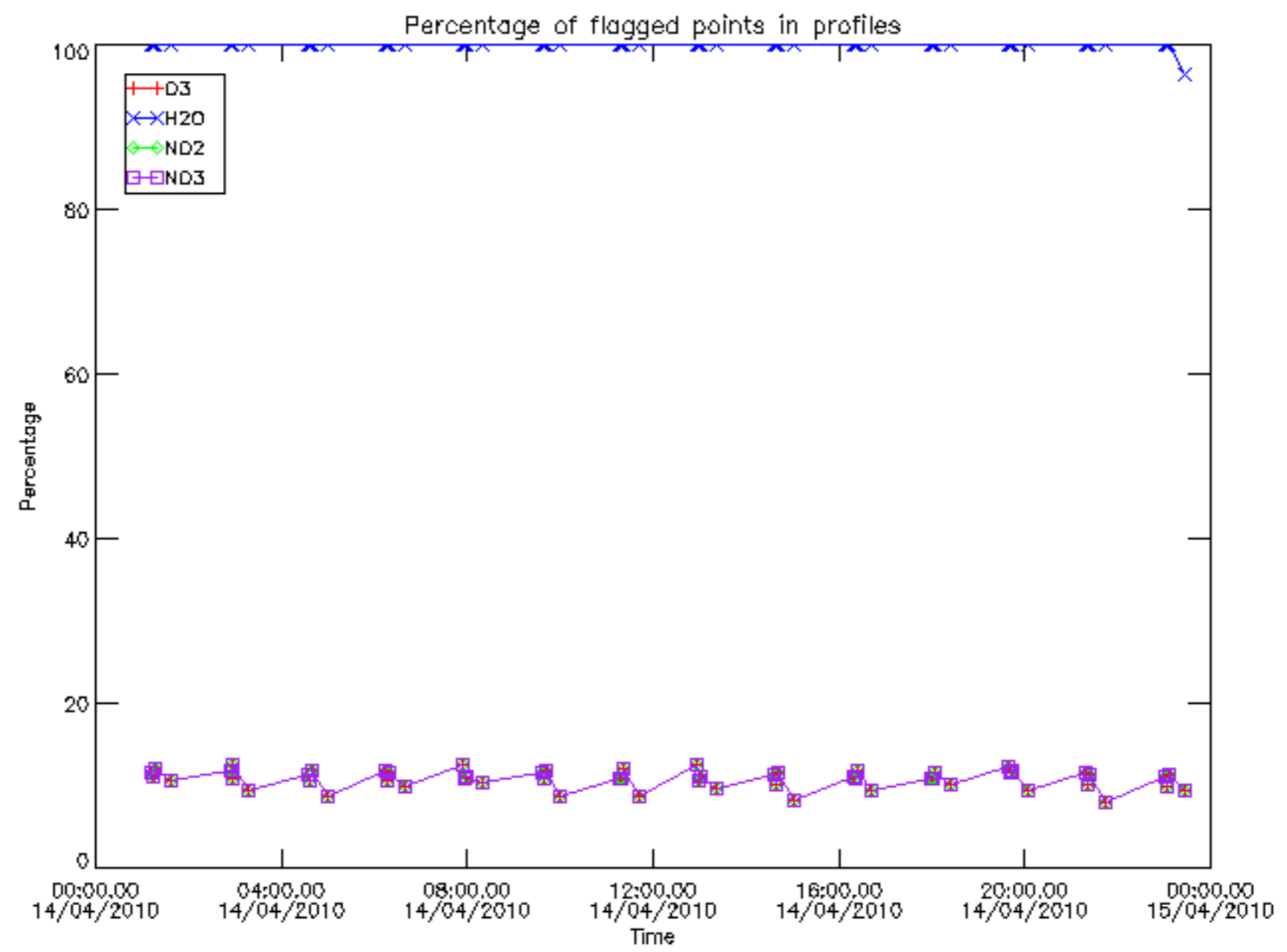
The colorbar represents the latitude.



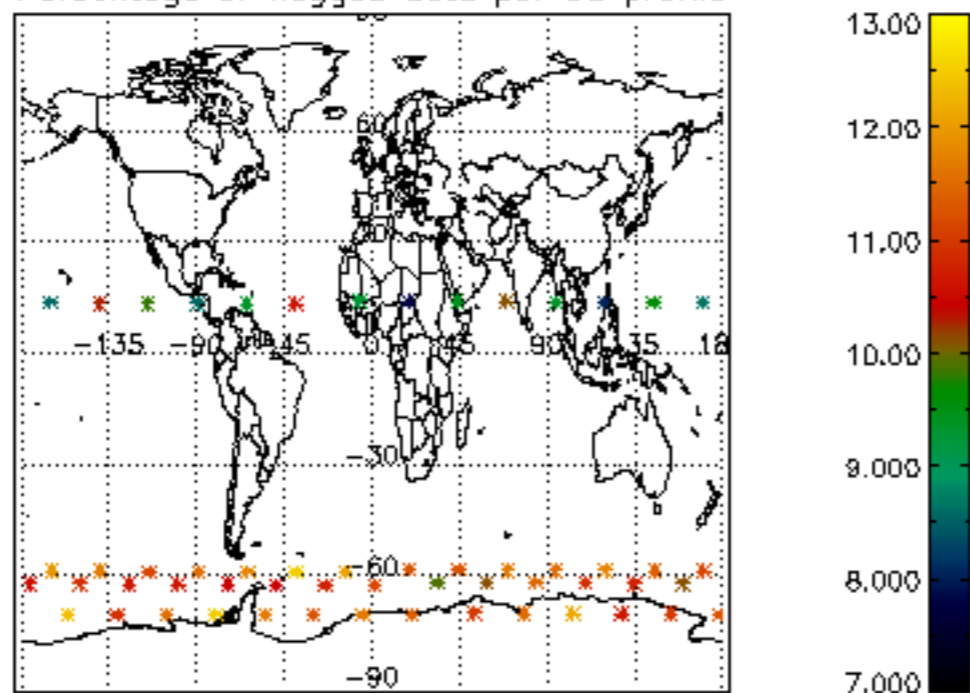
6. Auxiliary Data Files used for the production reported in section 2

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.

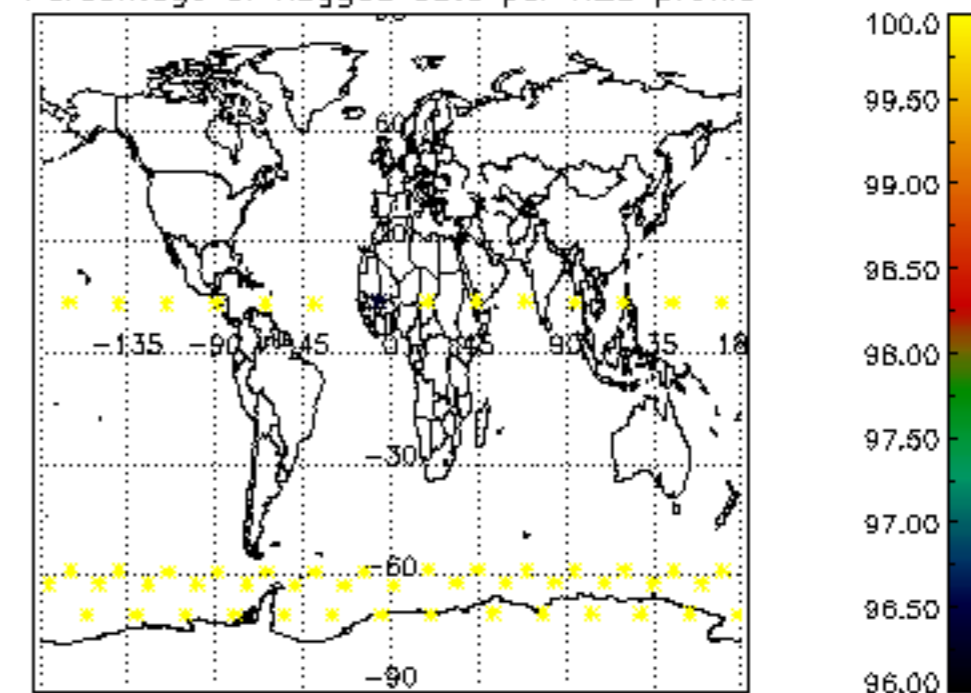
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-APR-2010 00:04:13
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	14-APR-2010 00:04:13
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	14-APR-2010 00:04:13



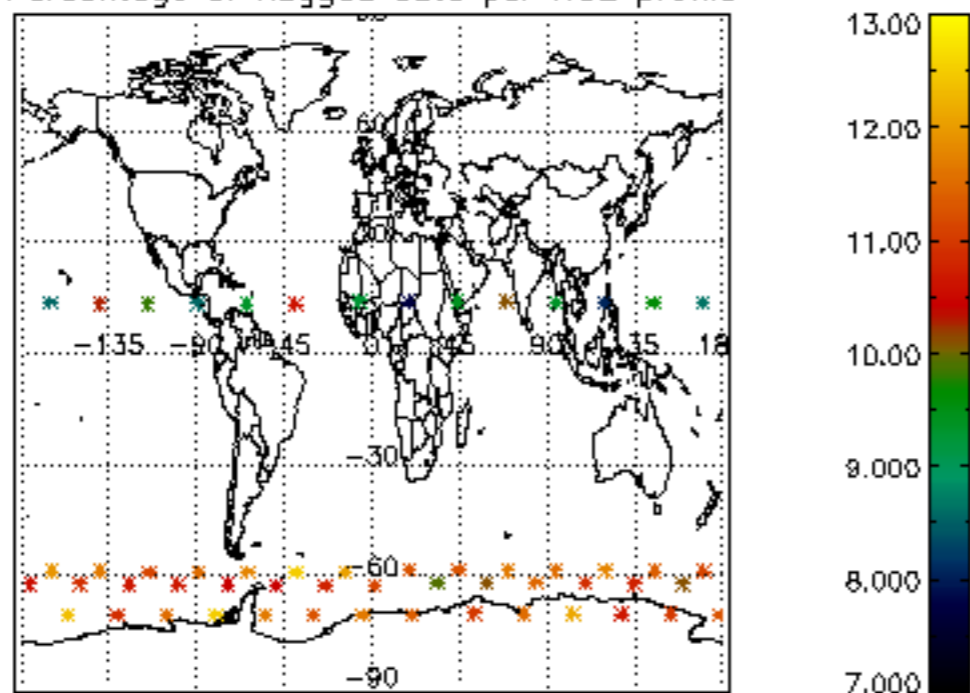
Percentage of flagged data per D3 profile



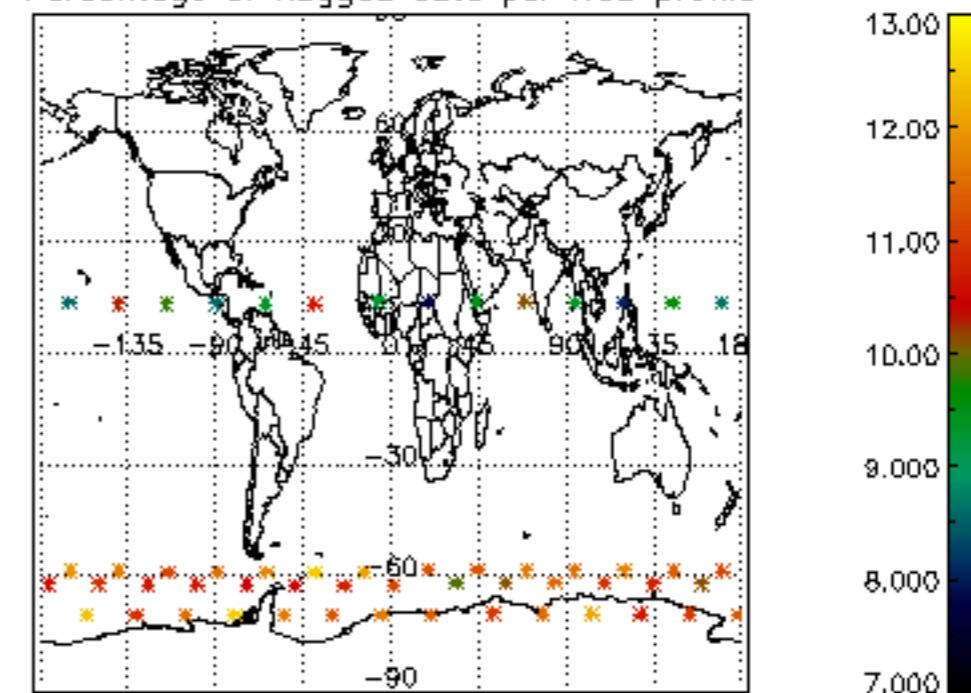
Percentage of flagged data per H2O profile

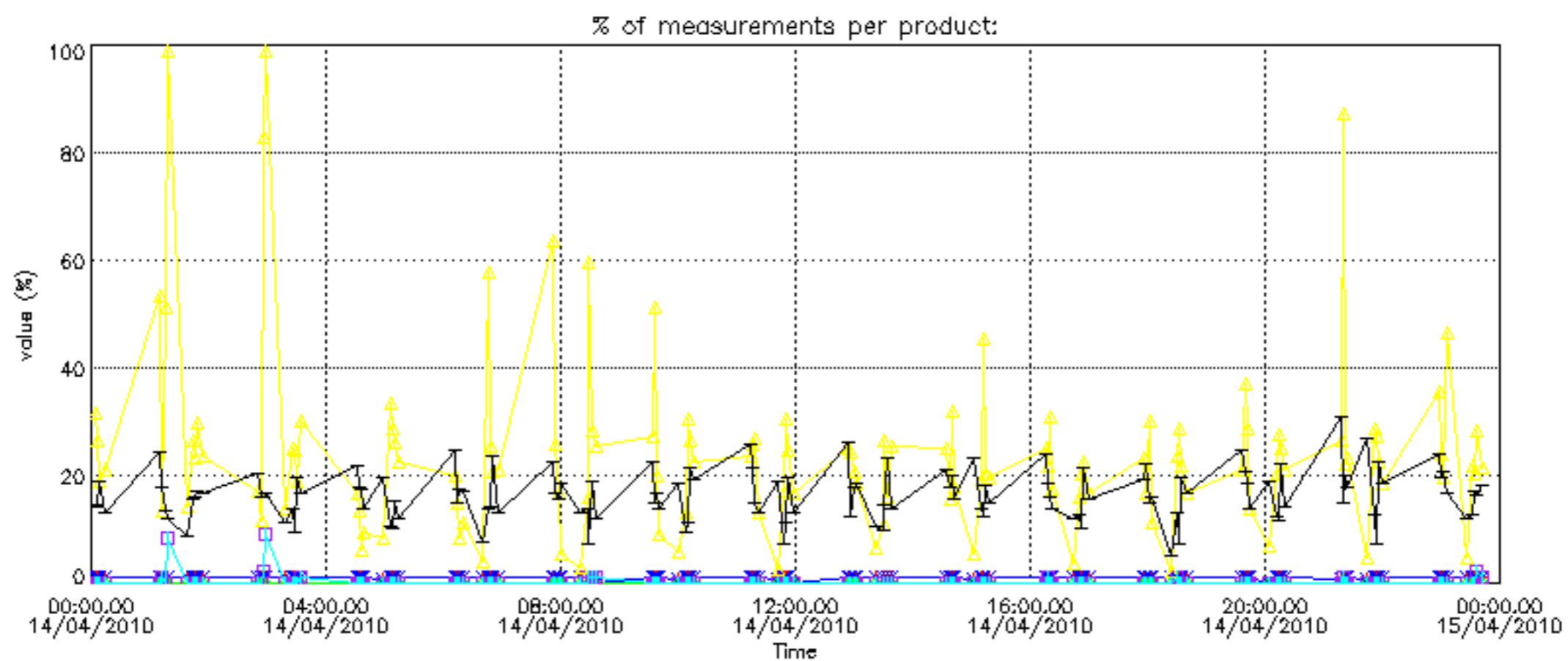
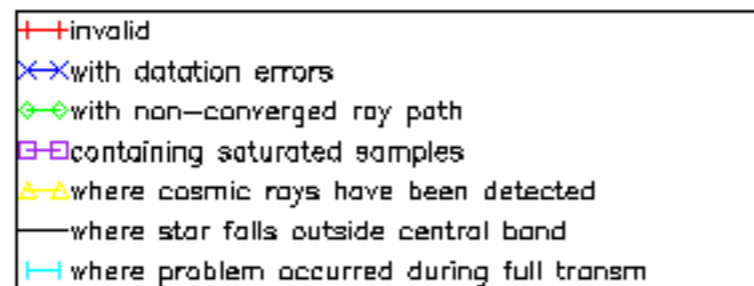


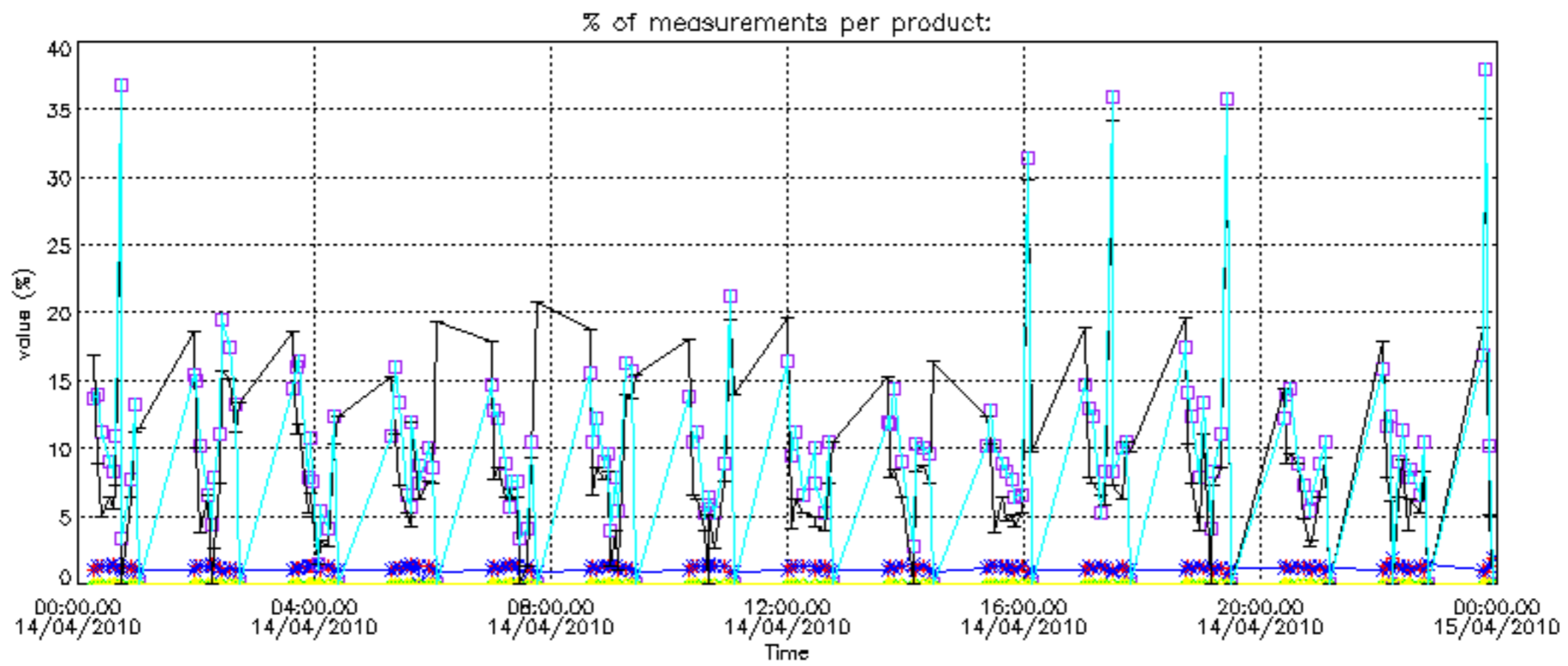
Percentage of flagged data per NO2 profile



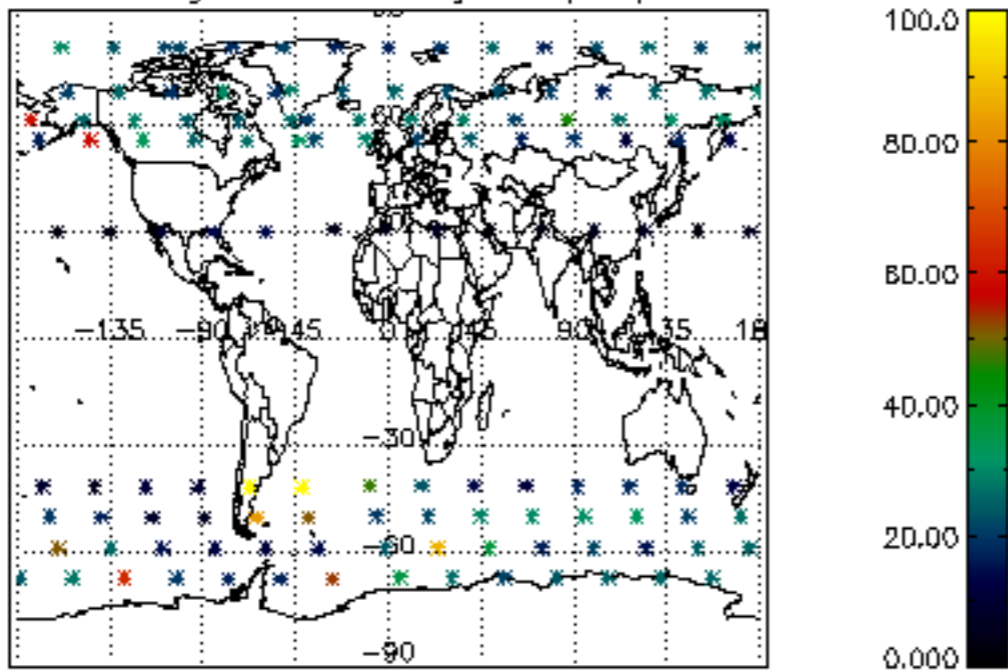
Percentage of flagged data per NO3 profile



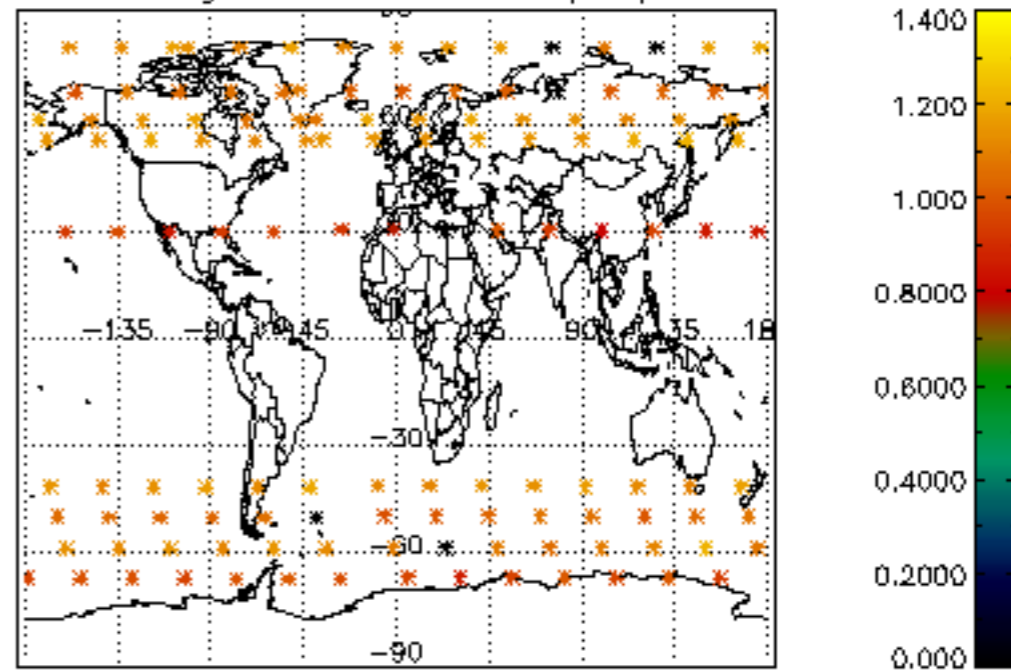




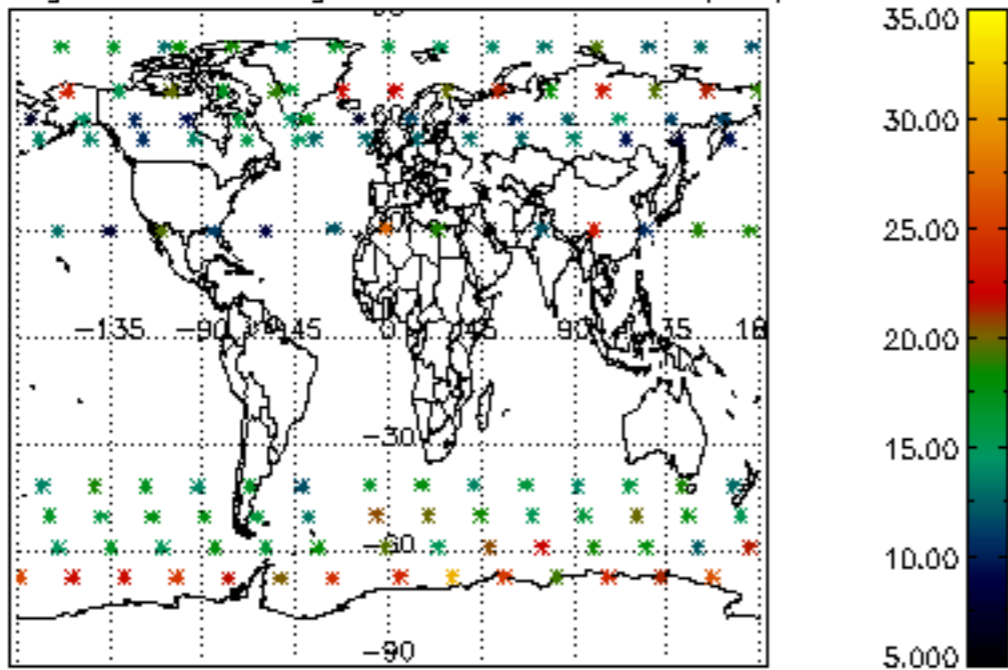
Percentage of cosmic ray hits per profile



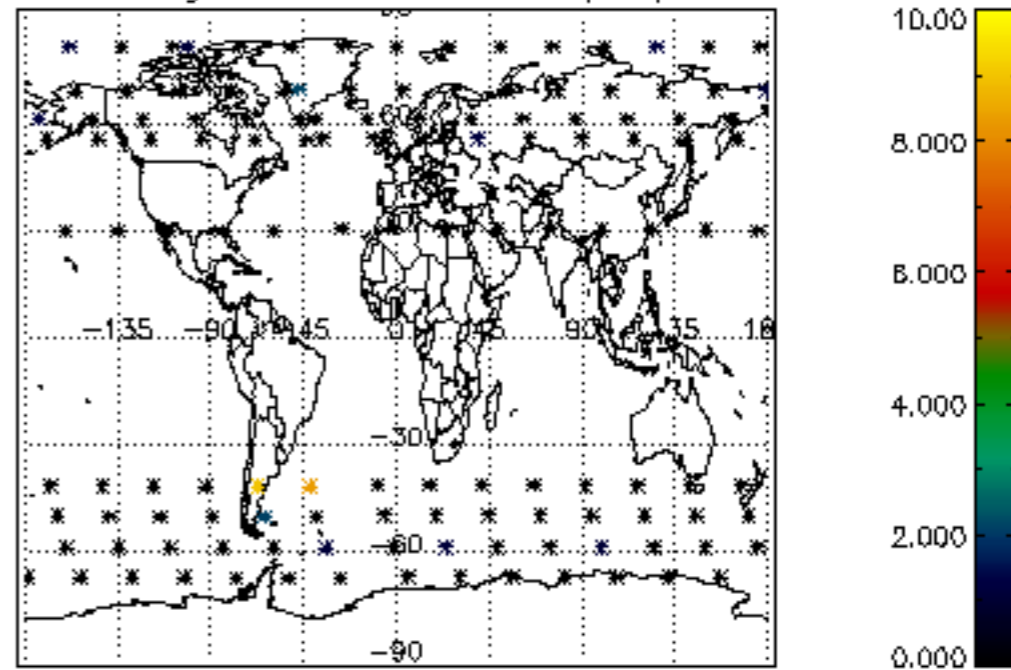
Percentage of datation errors per profile



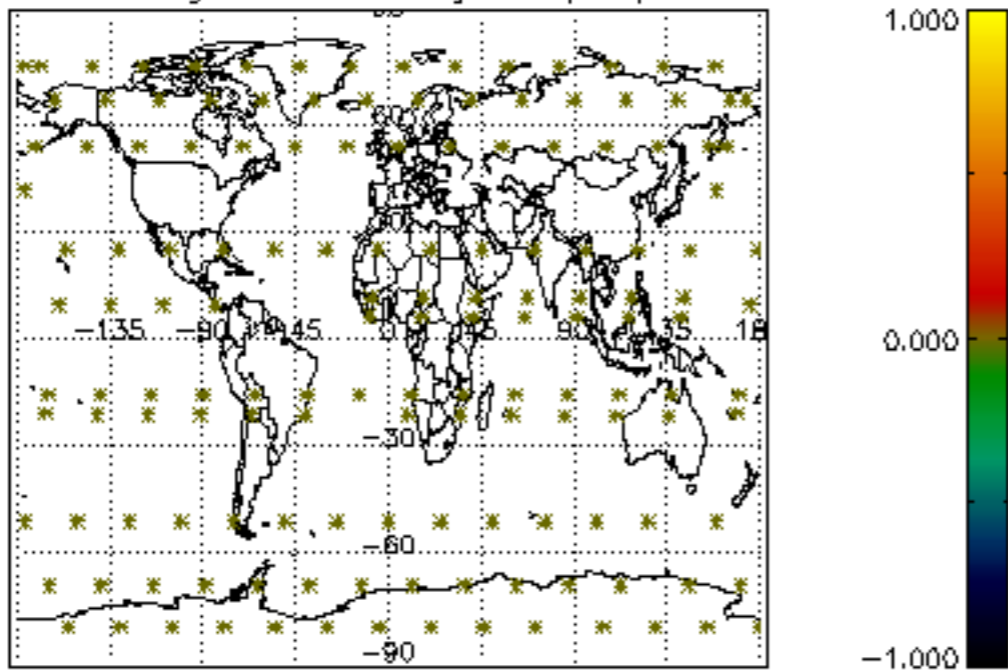
Percentage of star falling outside central band per profile



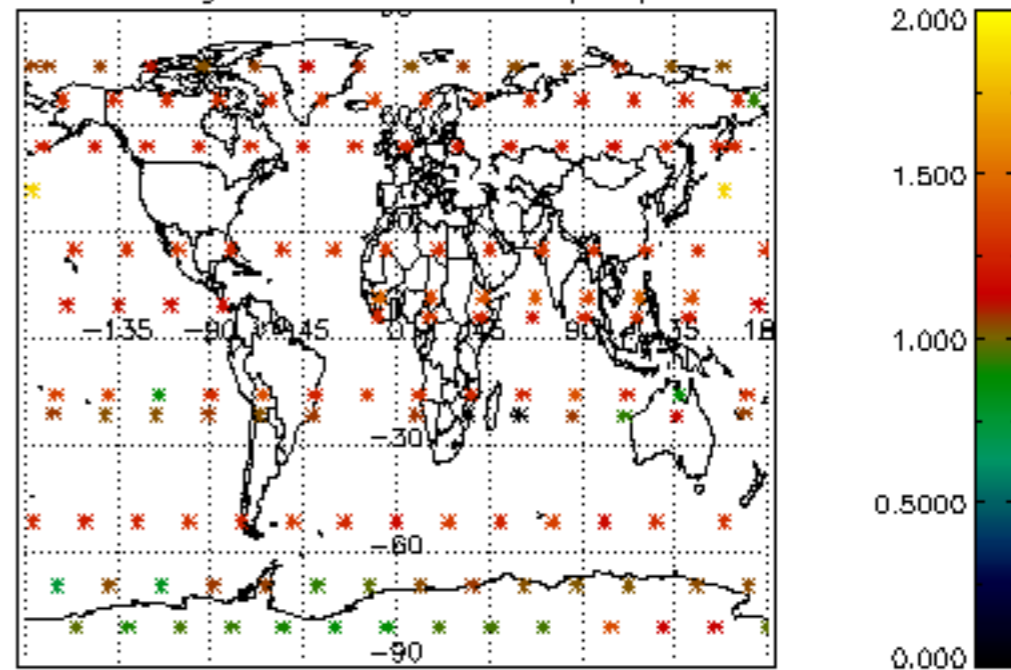
Percentage of saturation errors per profile



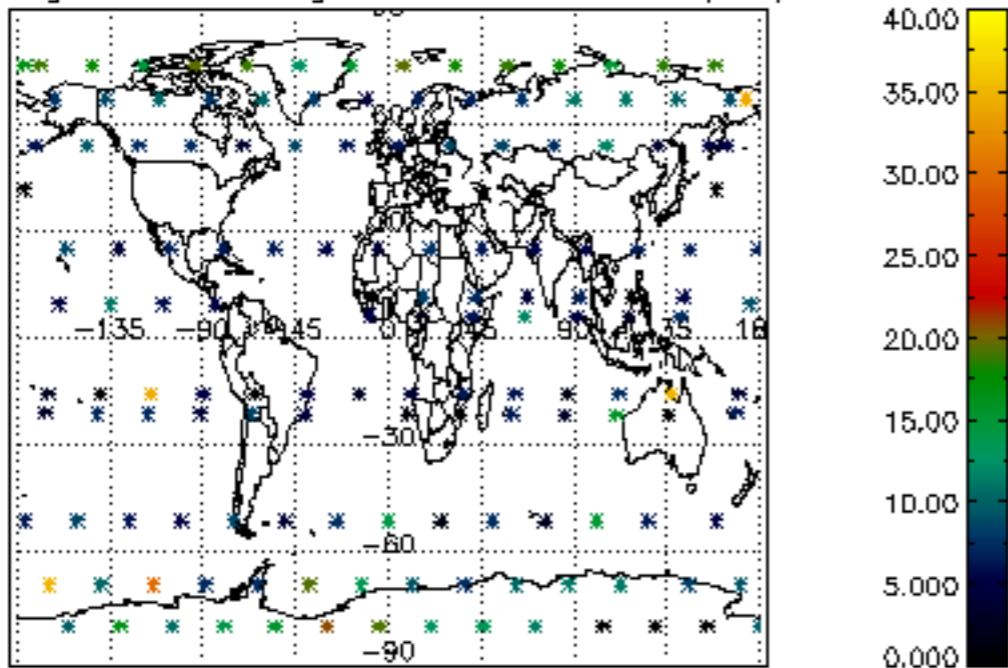
Percentage of cosmic ray hits per profile



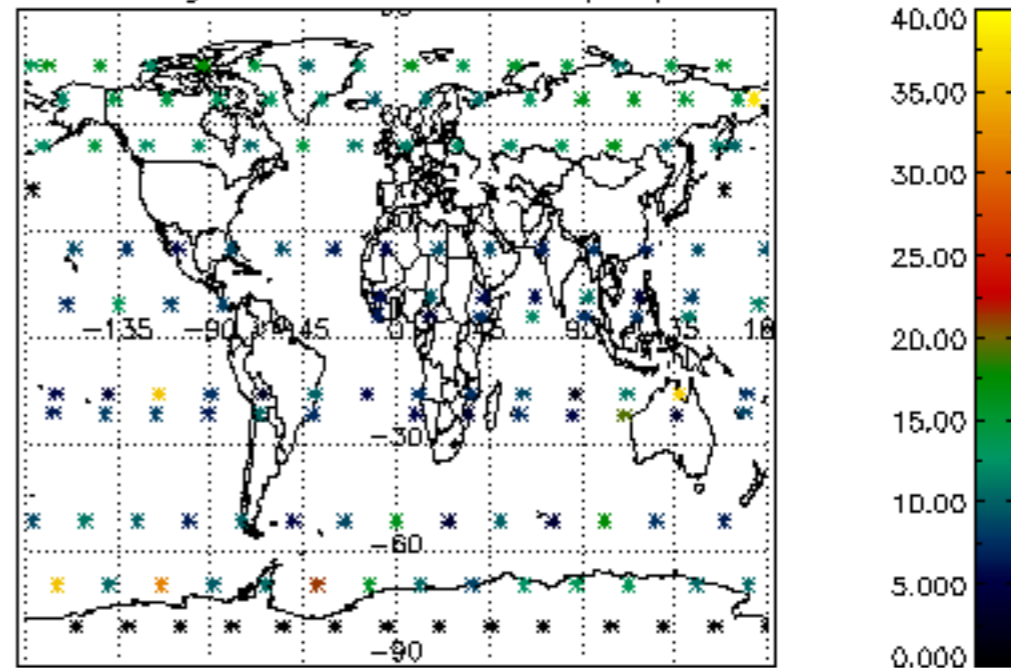
Percentage of datation errors per profile

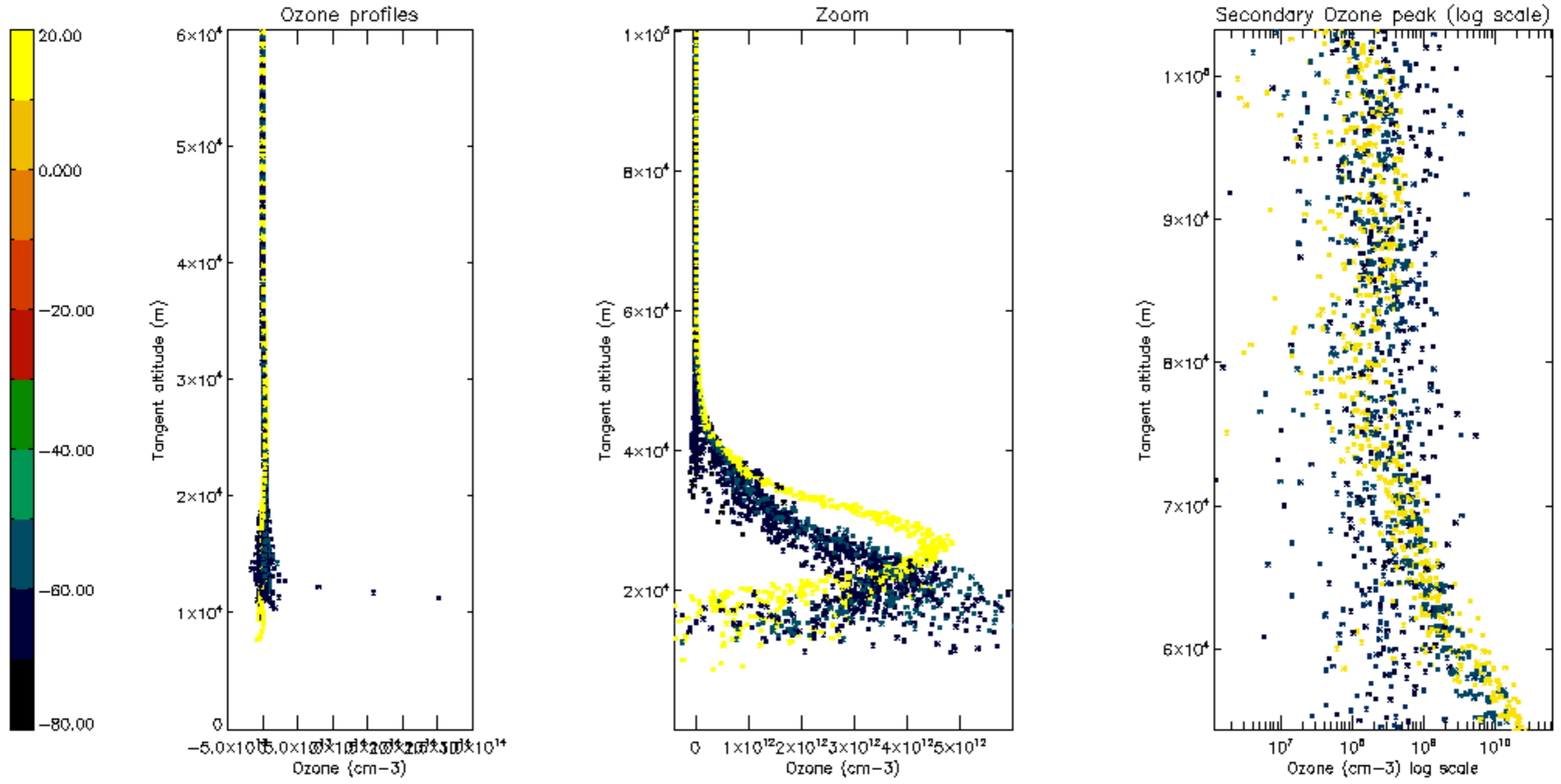


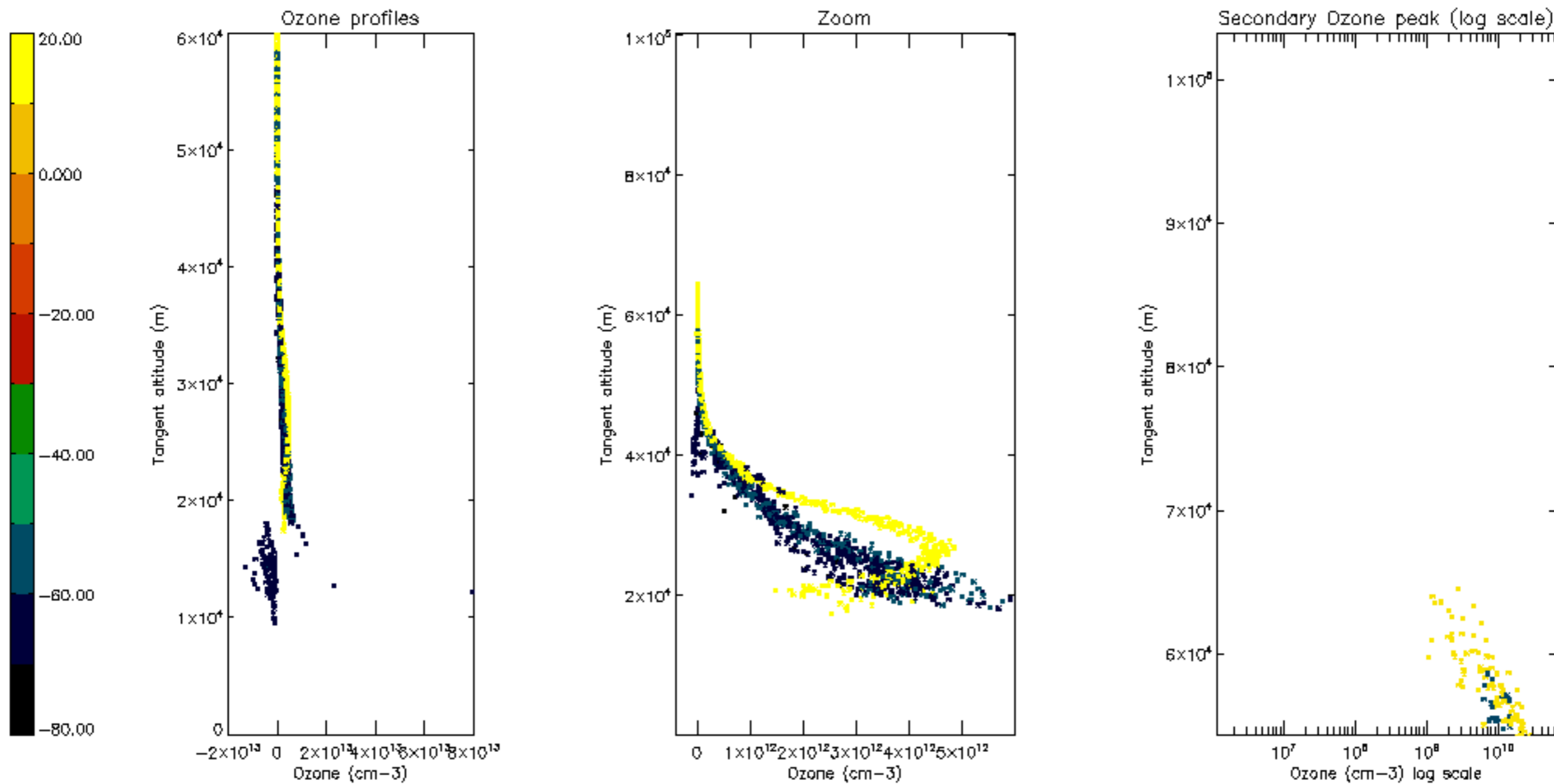
Percentage of star falling outside central band per profile

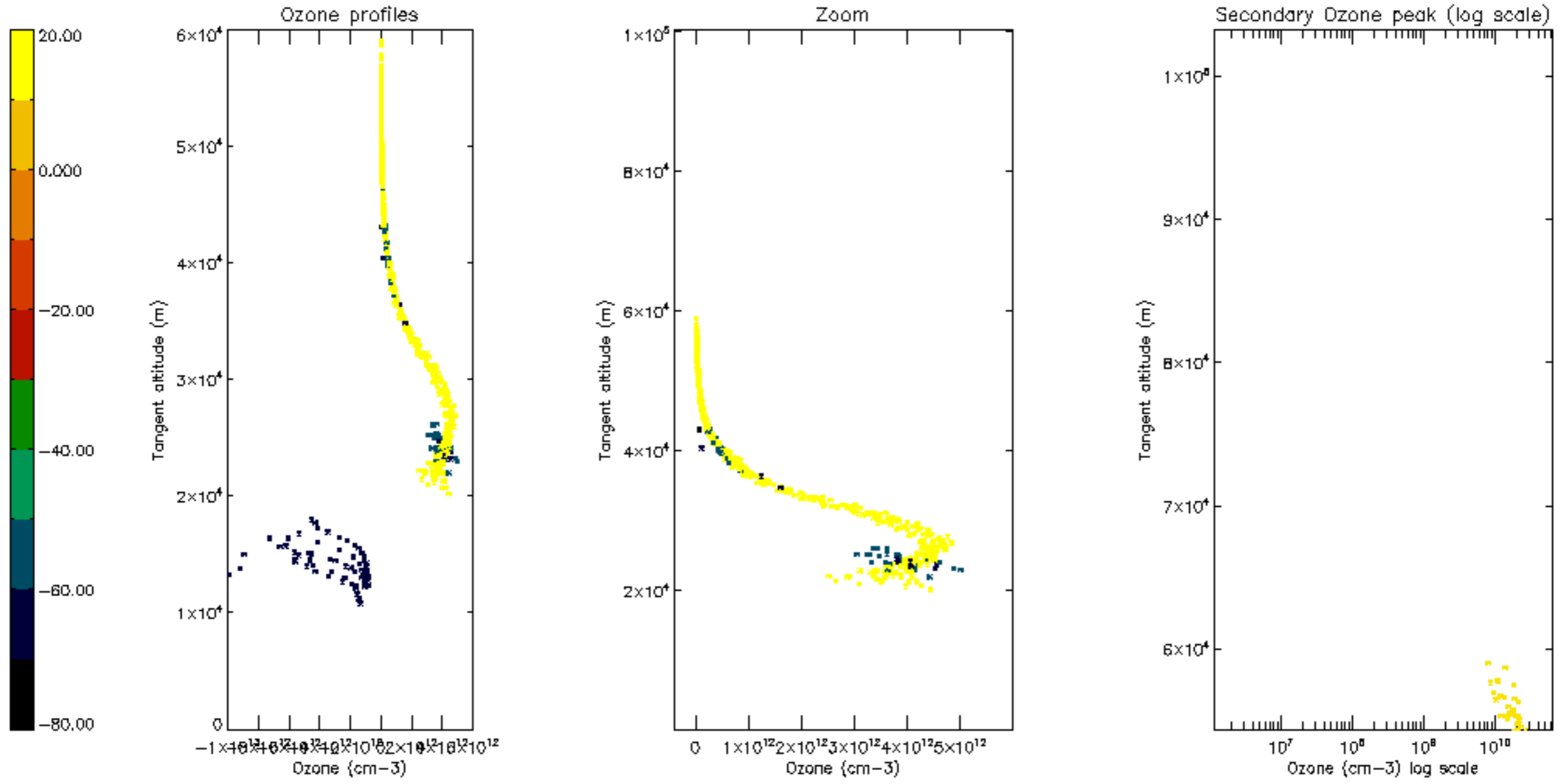


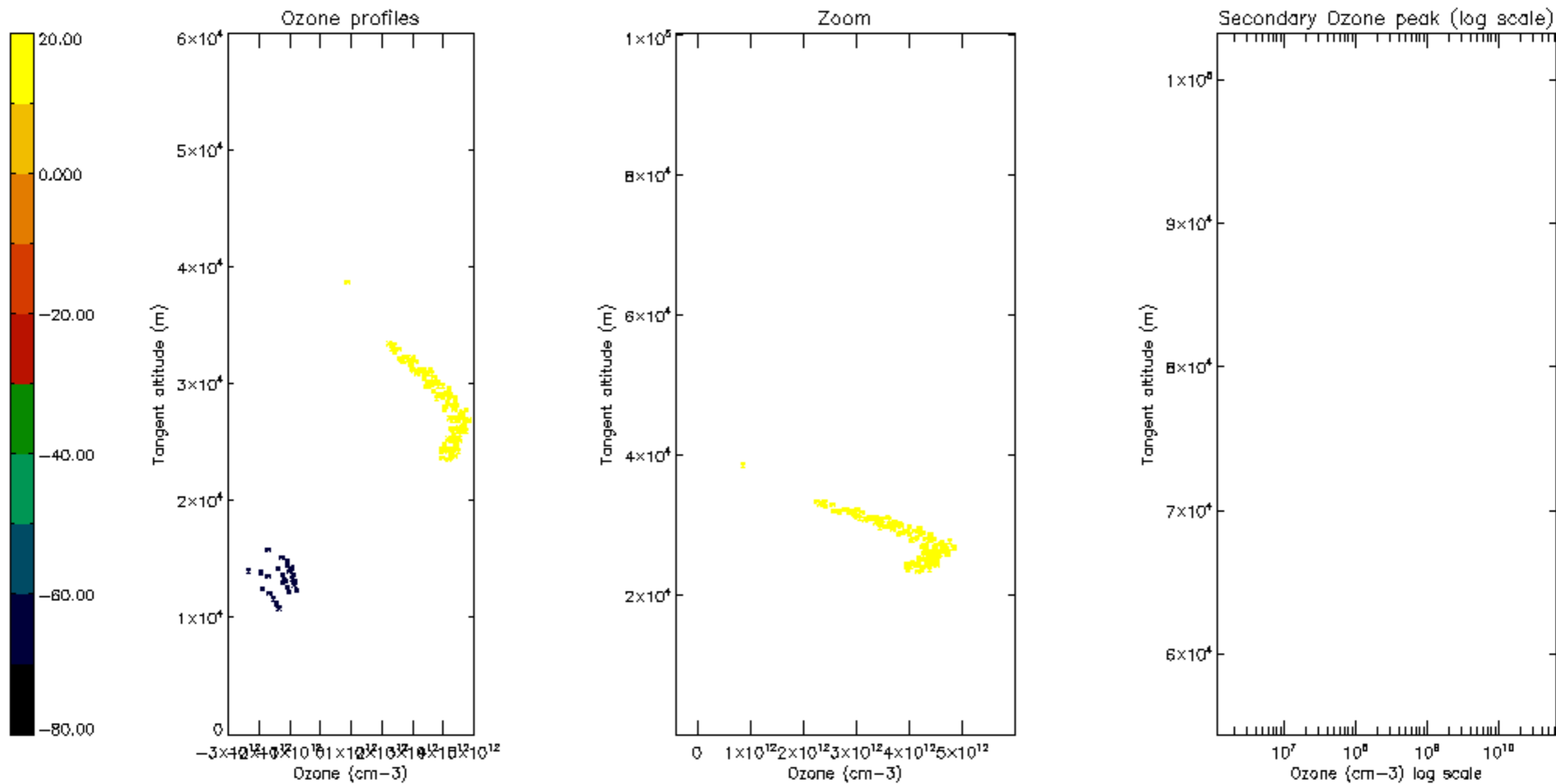
Percentage of saturation errors per profile

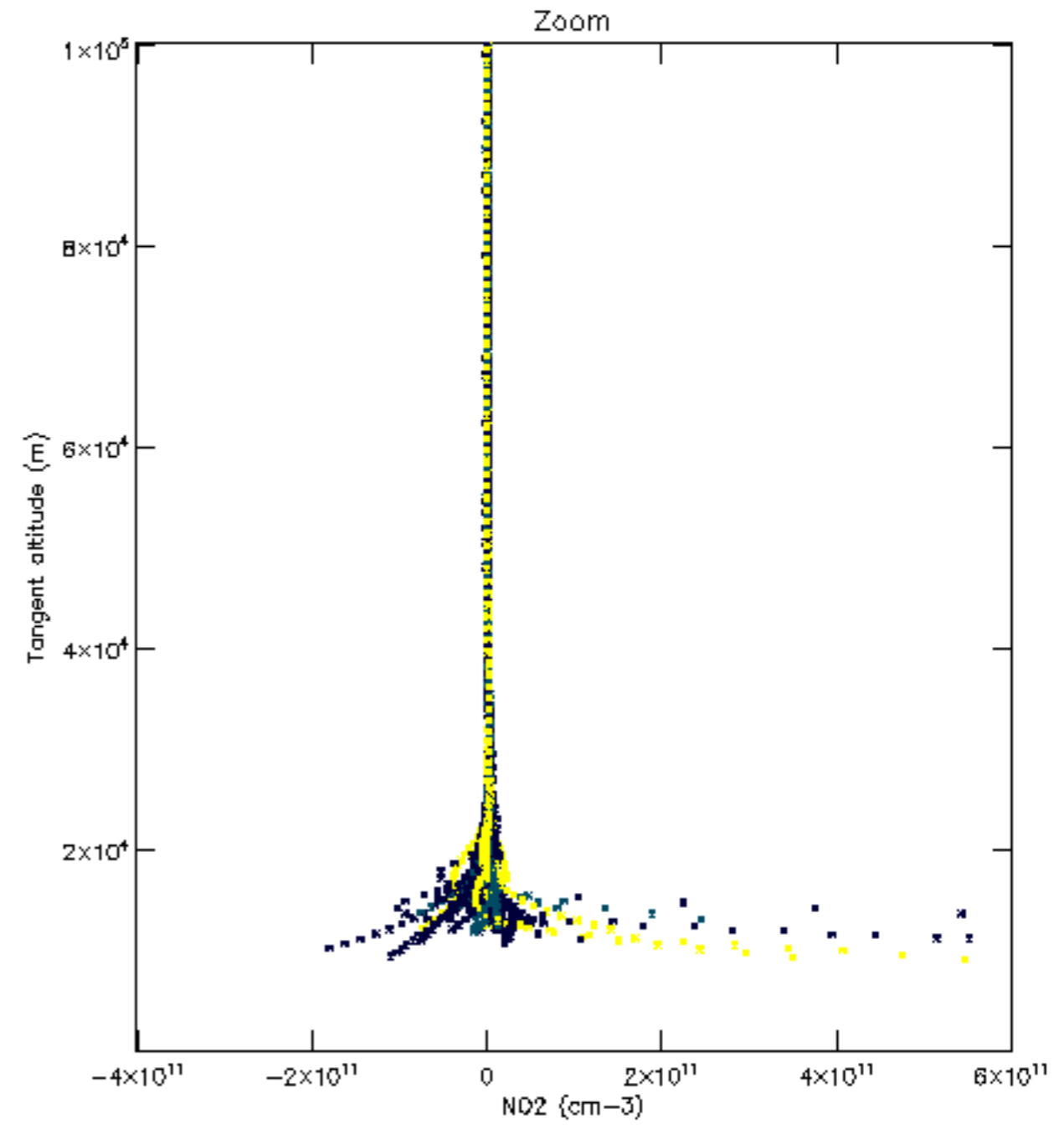
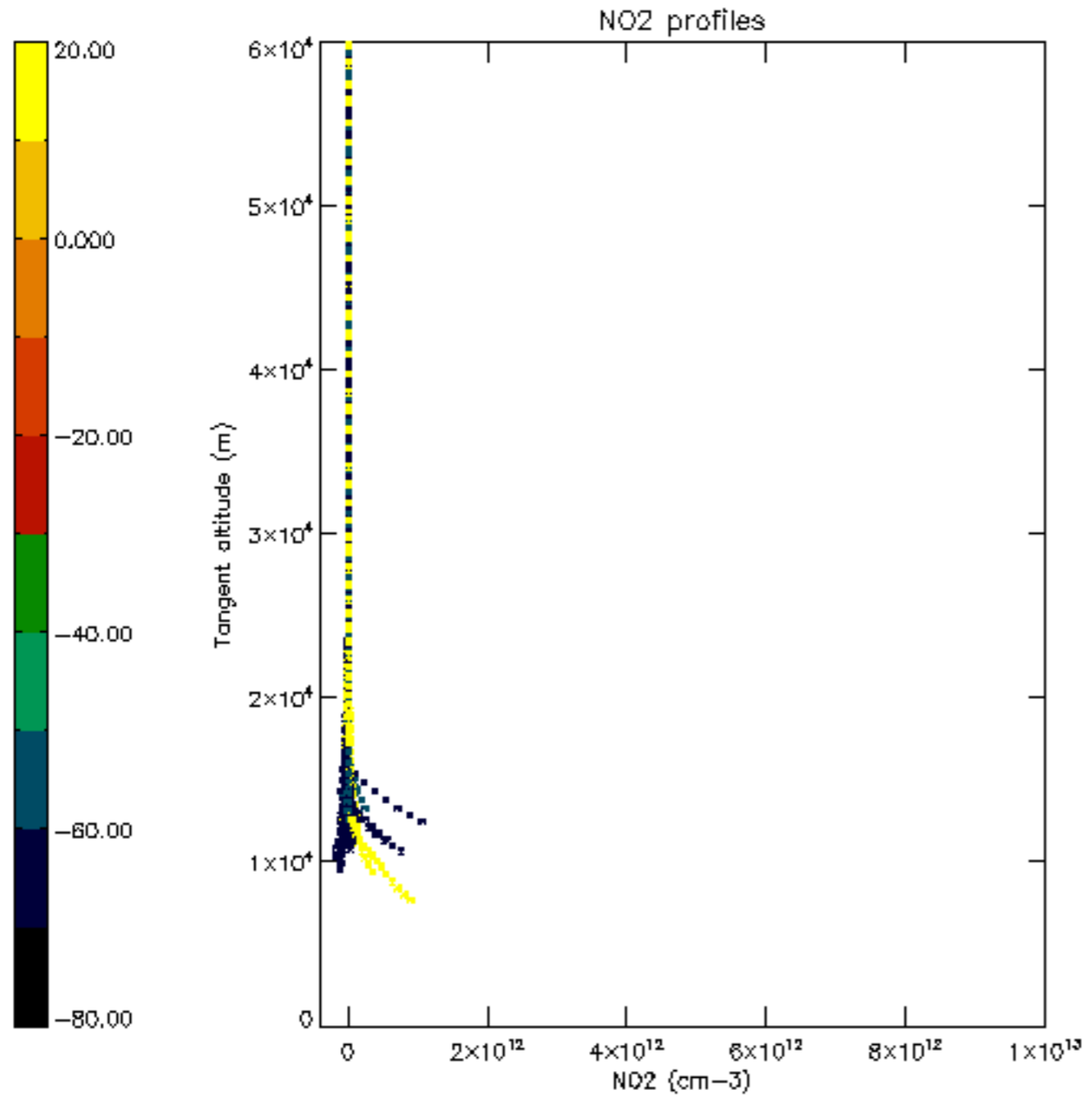


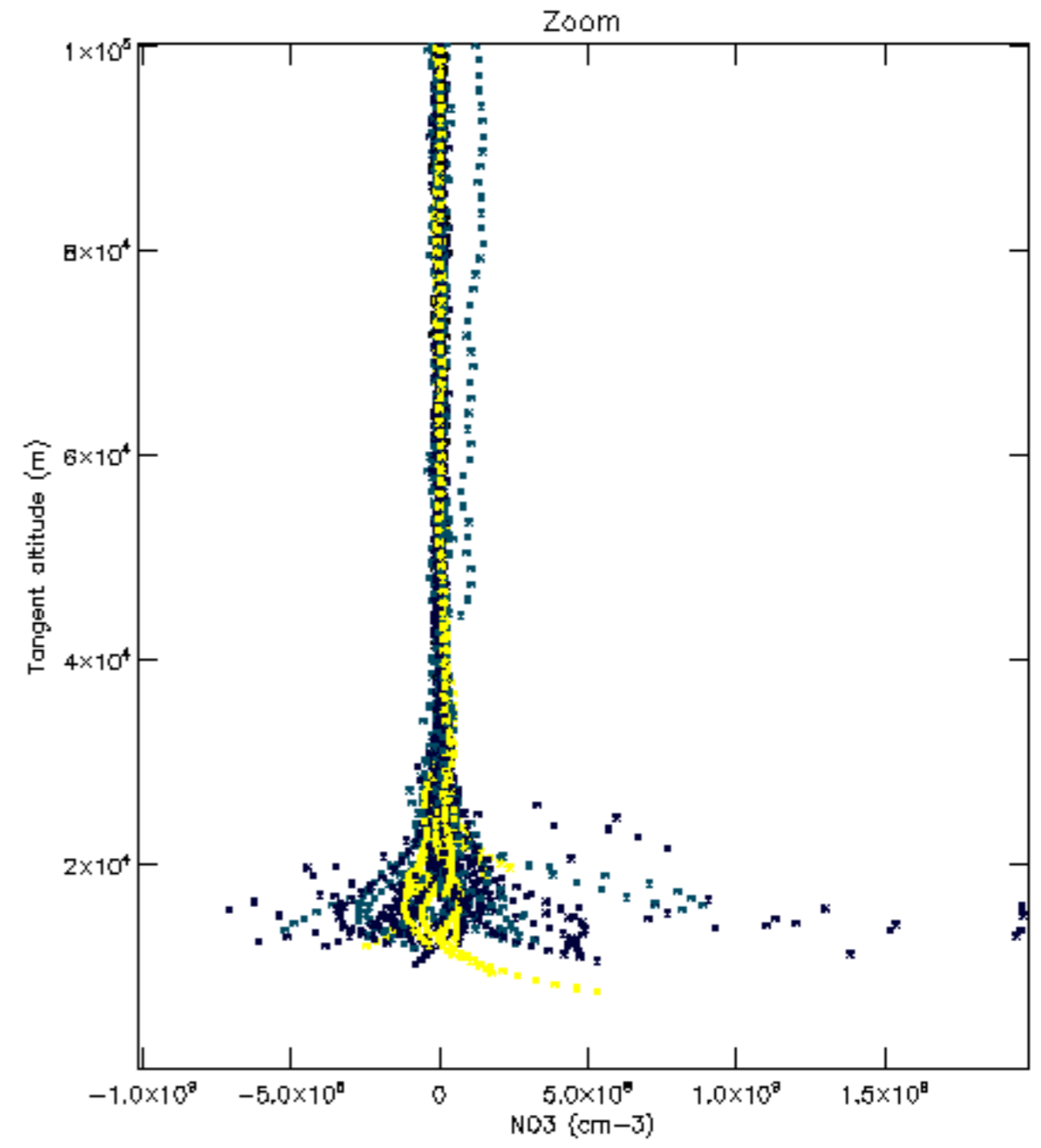
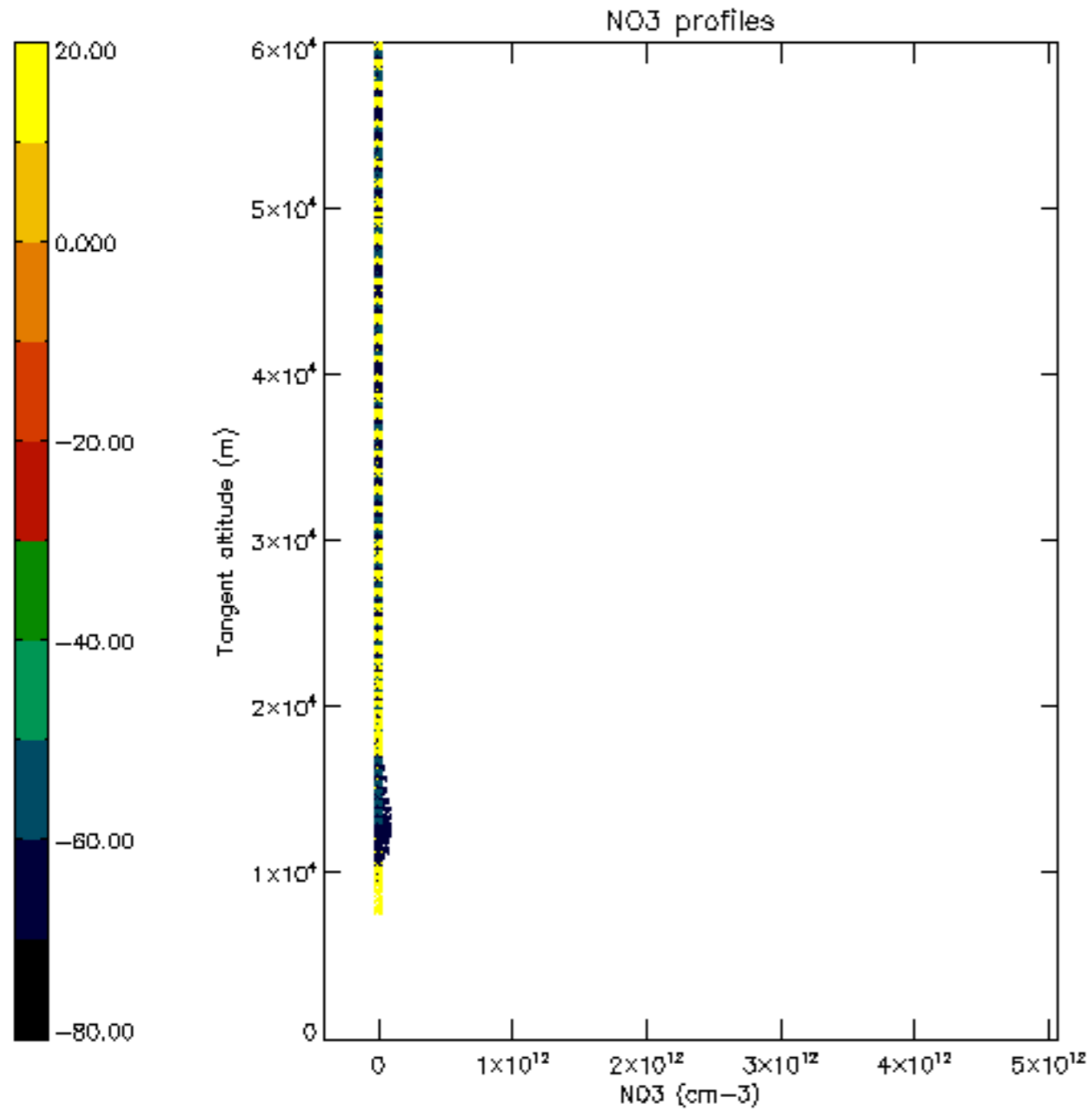


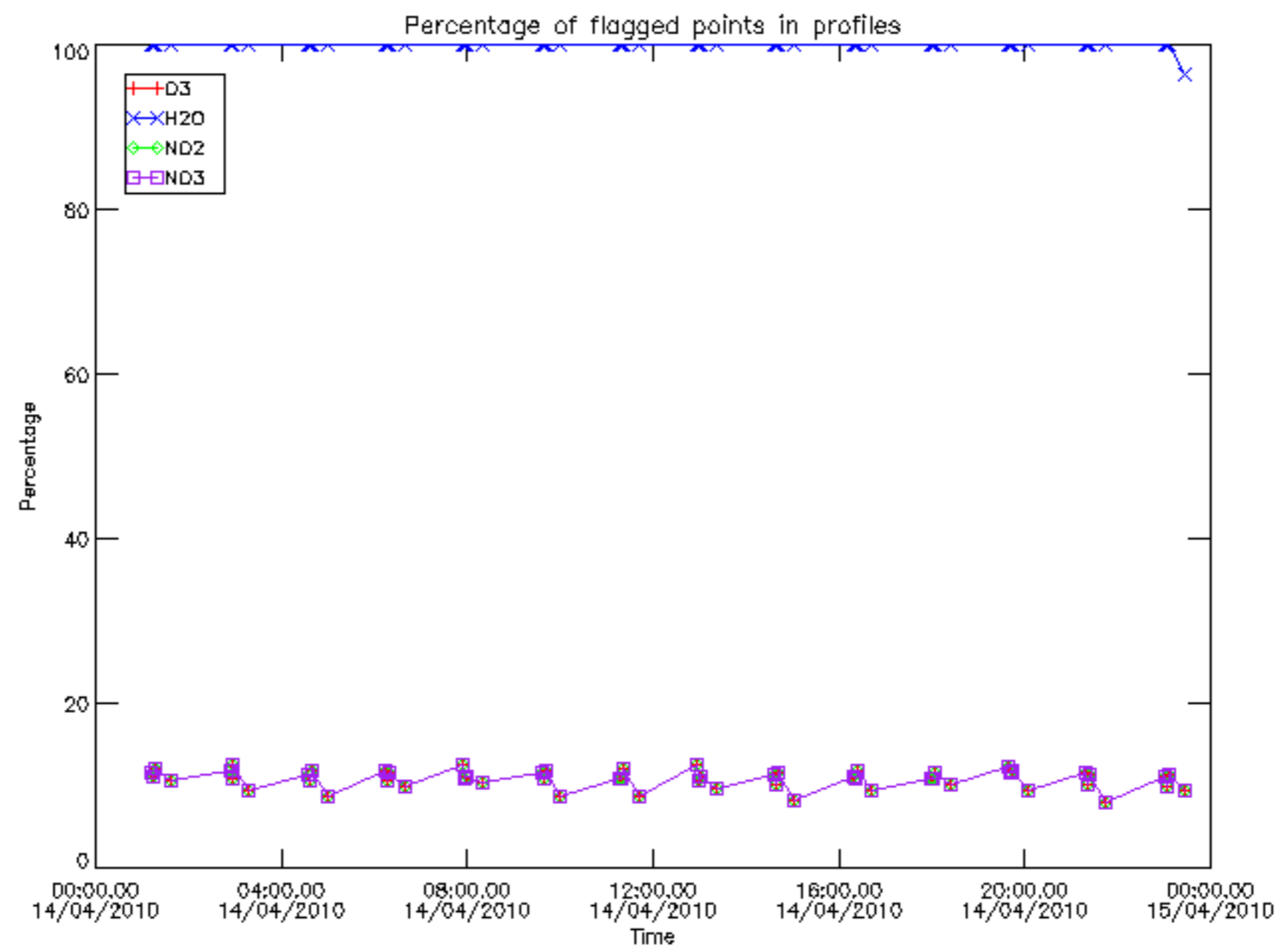




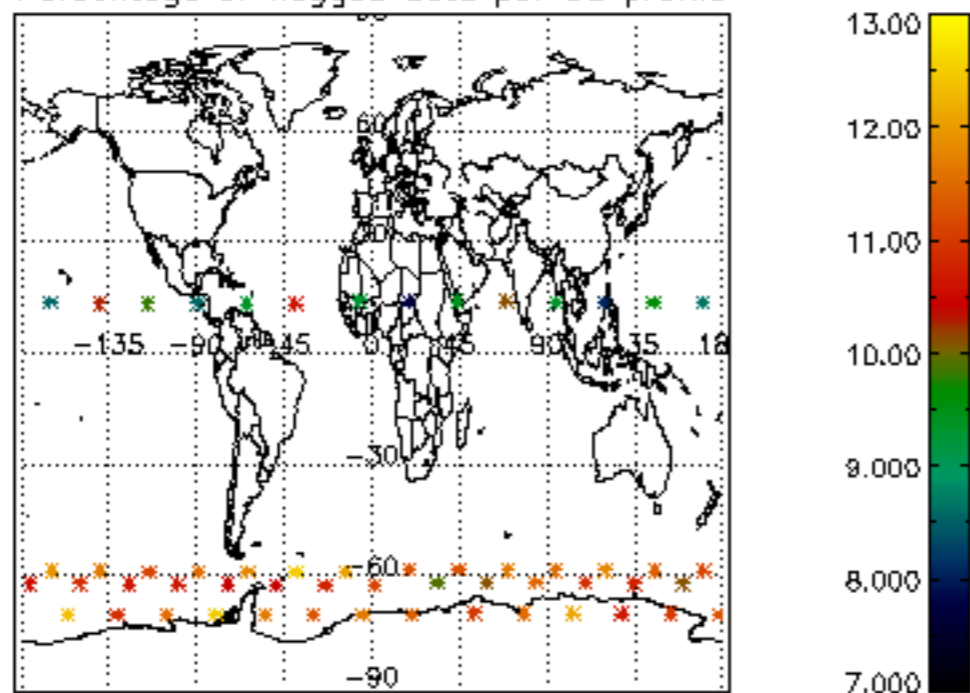




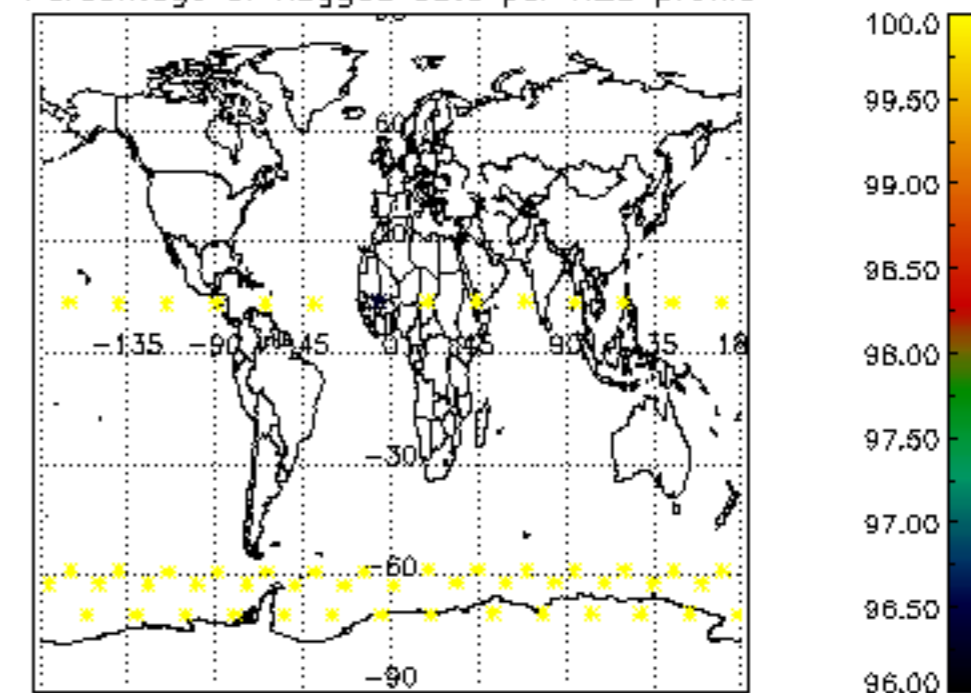




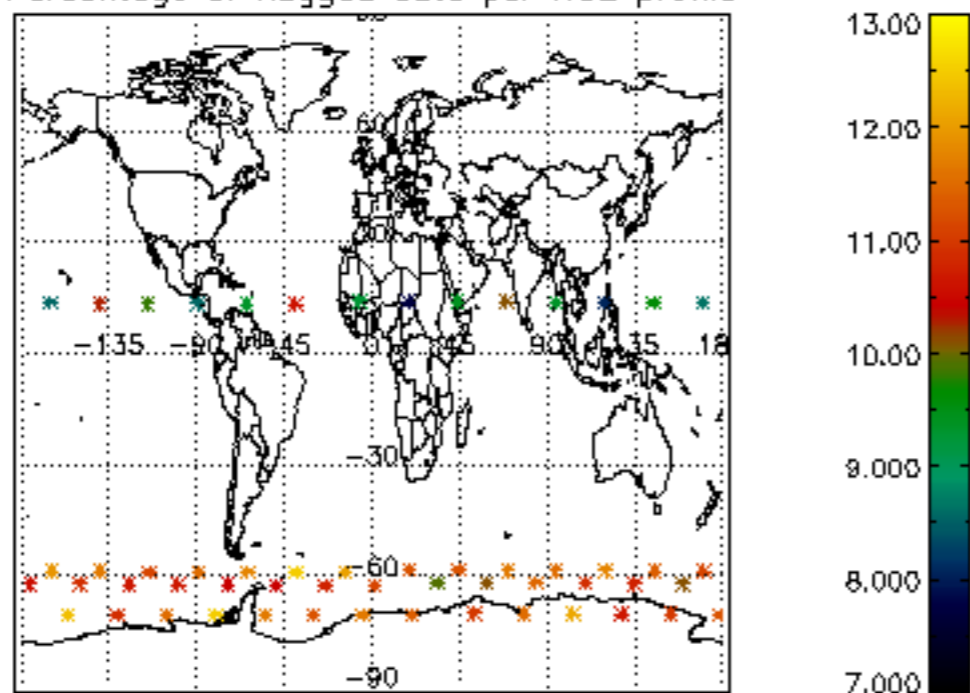
Percentage of flagged data per D3 profile



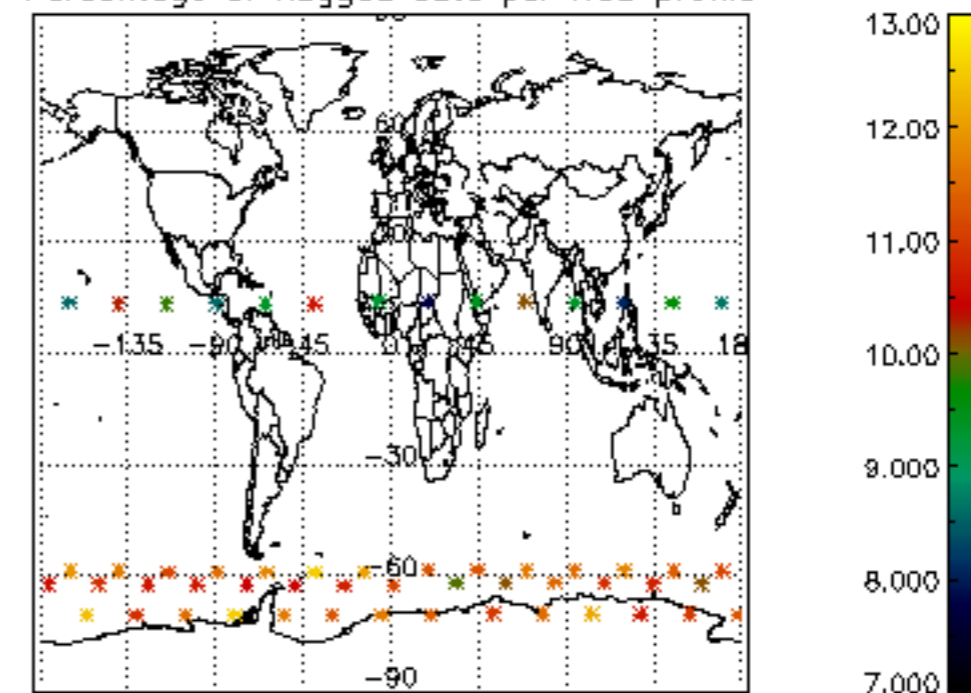
Percentage of flagged data per H2O profile

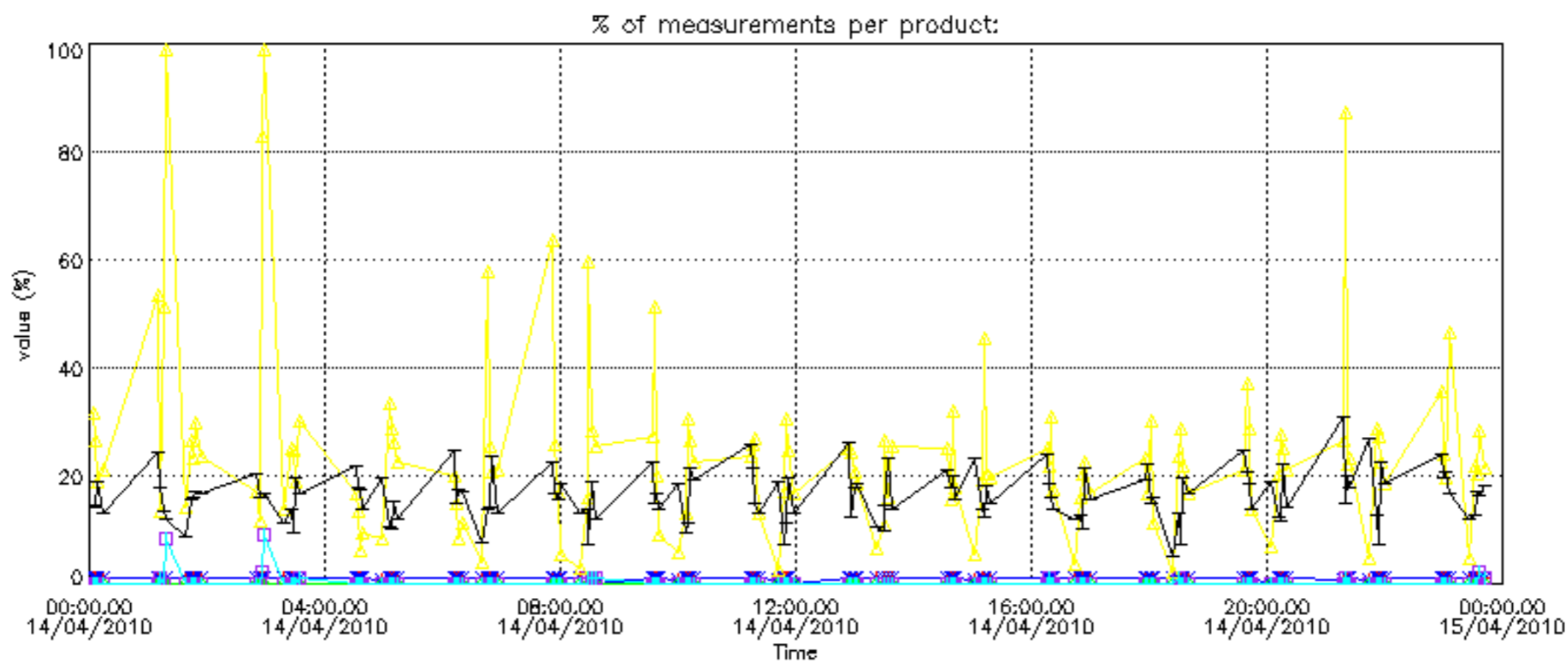


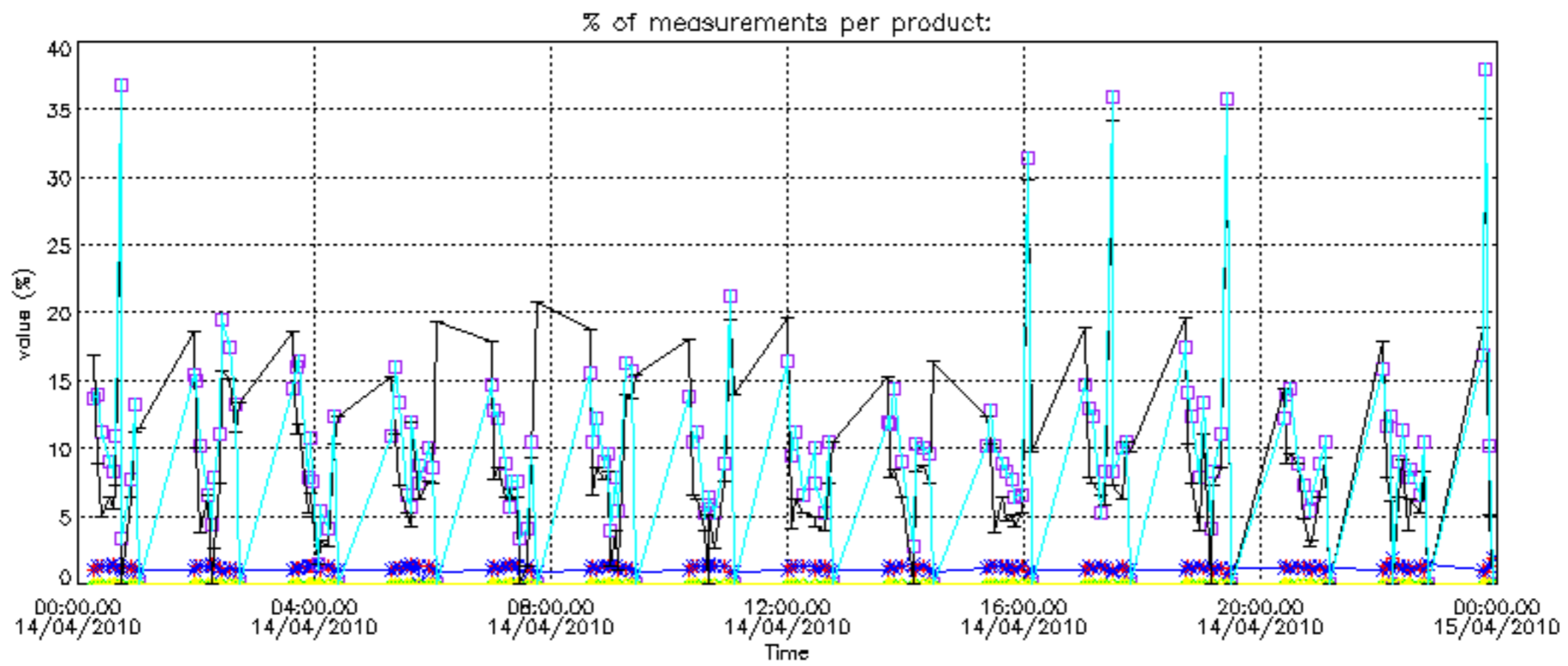
Percentage of flagged data per NO2 profile



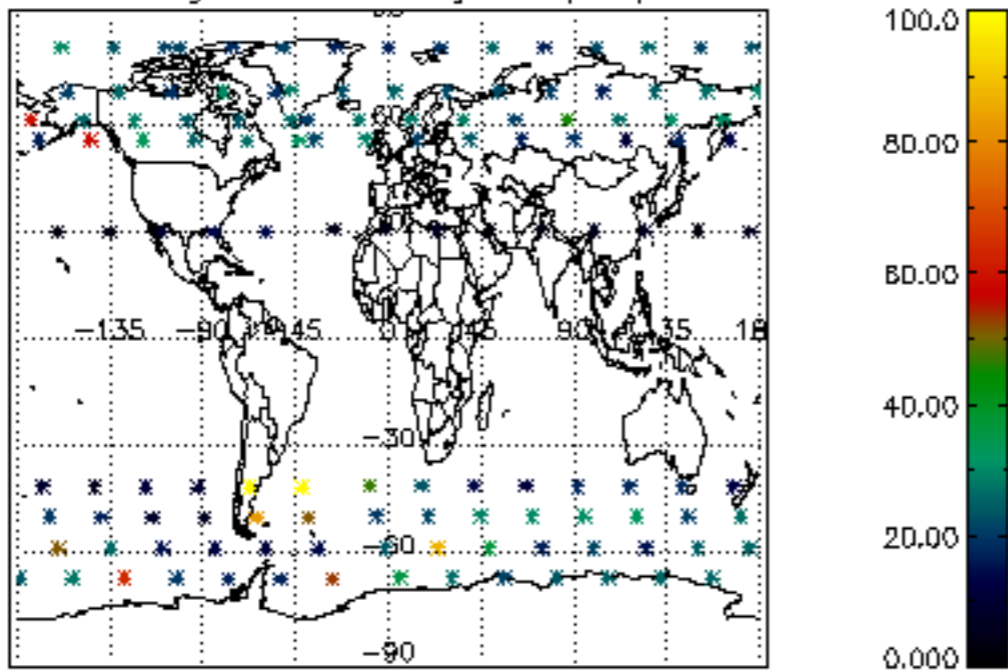
Percentage of flagged data per NO3 profile



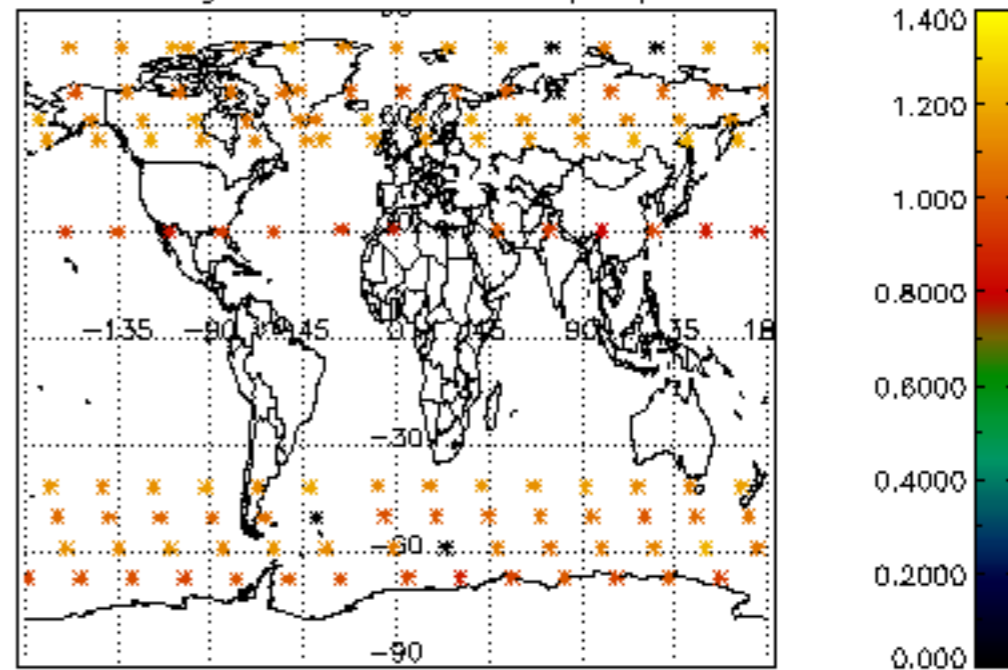




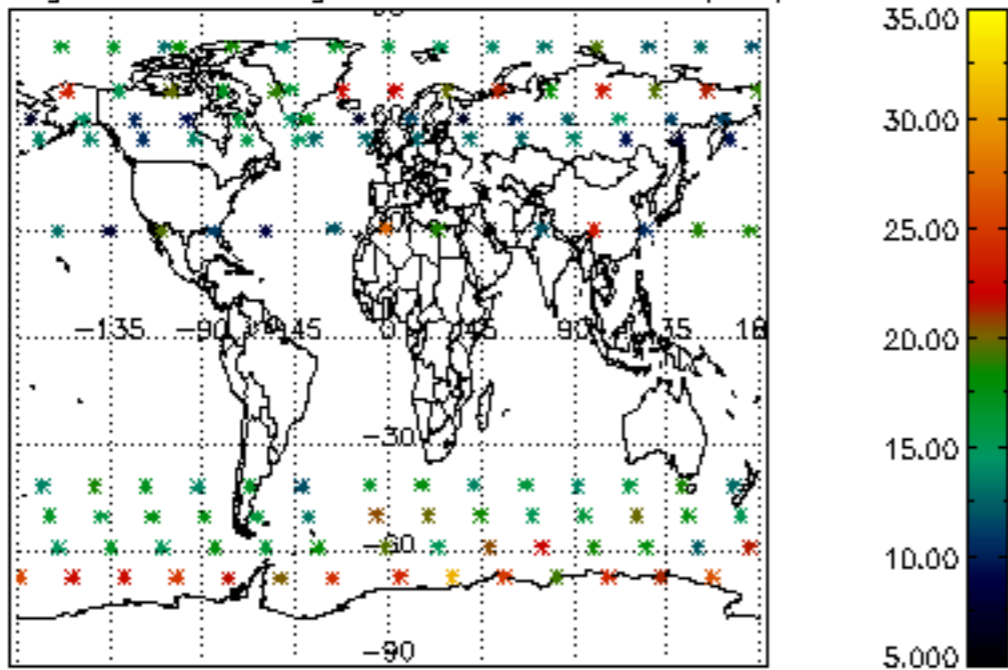
Percentage of cosmic ray hits per profile



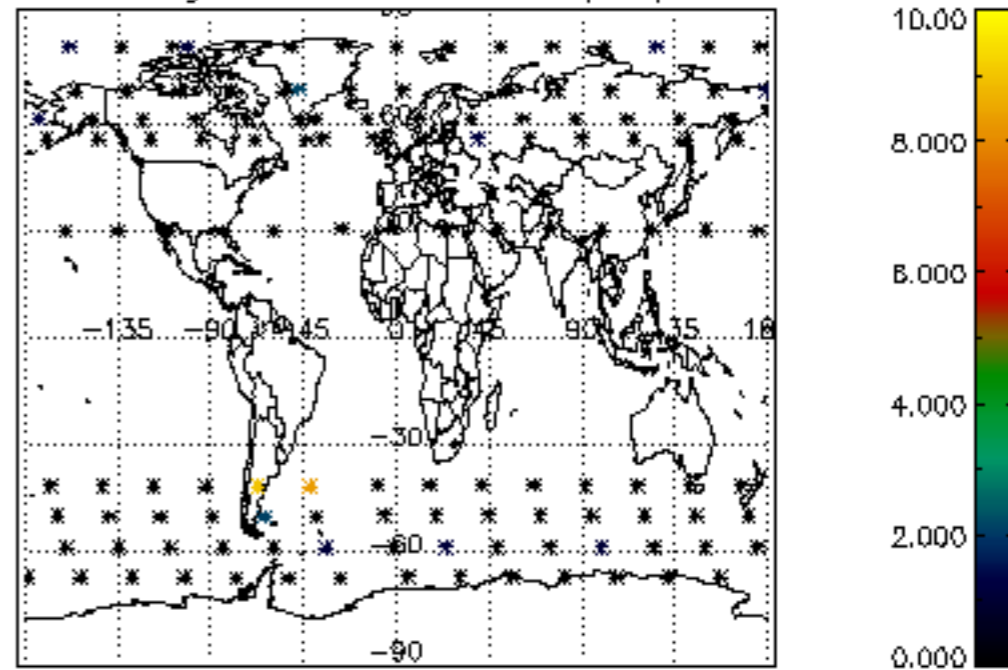
Percentage of datation errors per profile



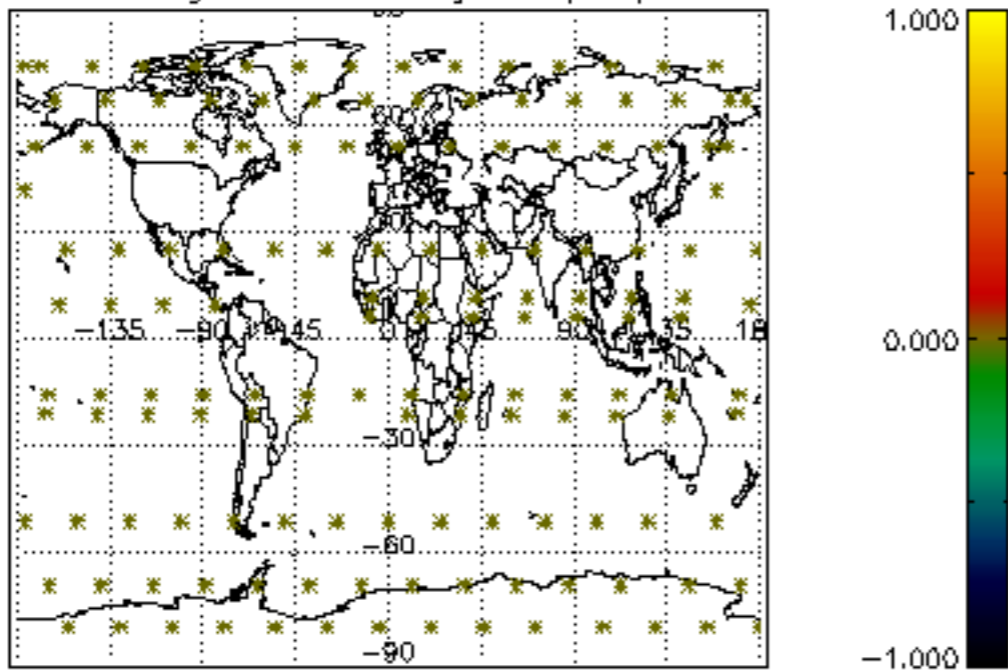
Percentage of star falling outside central band per profile



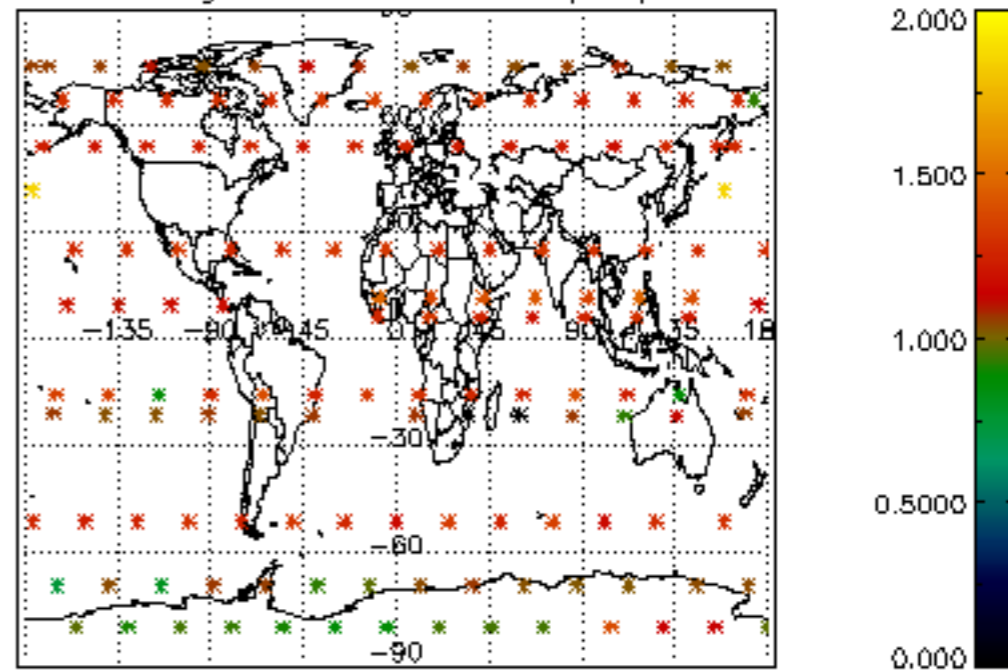
Percentage of saturation errors per profile



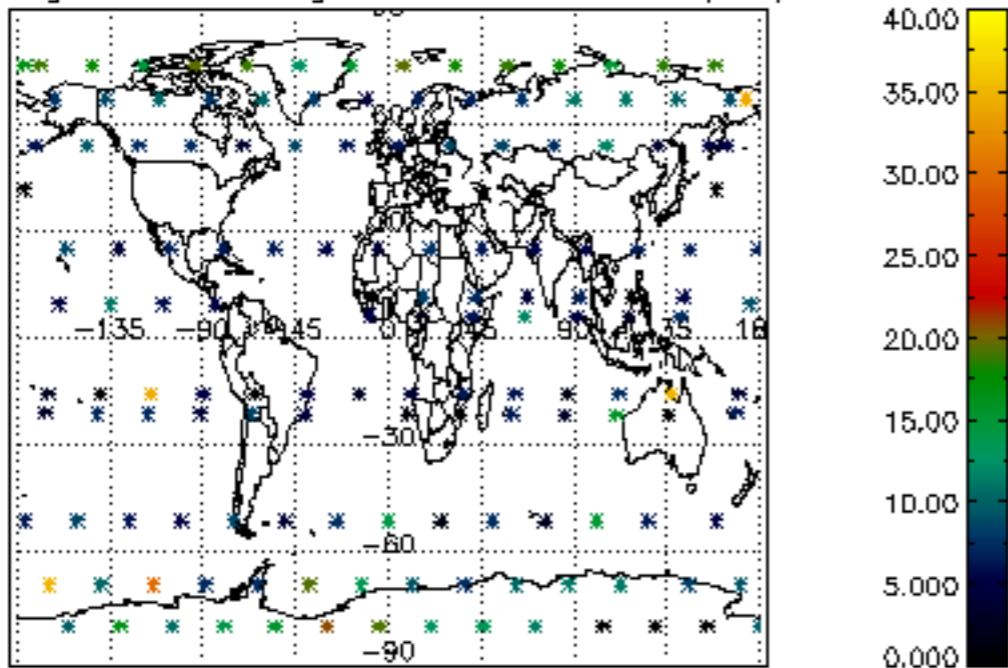
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

