

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	26APR2013 09:04:16
Data source version	GOMOS/6.01
Start time of products	26-04-2009 (26APR2009 00:00:00)
Stop time of products	27-04-2009 (27APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	208
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__2PRFIN20090426_000427_000000562078_00274_37402_0284.N1	26-APR-2009 00:04:27	Twilight	56.000	158	6Pi Sco	2.9060	28000.	112	37402	No
2	GOM_NL__2PRFIN20090426_000918_000000482078_00274_37402_0285.N1	26-APR-2009 00:09:18	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	37402	No
3	GOM_NL__2PRFIN20090426_001150_000000452078_00274_37402_0286.N1	26-APR-2009 00:11:50	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	37402	No
4	GOM_NL__2PRFIN20090426_002024_000000402078_00274_37402_0287.N1	26-APR-2009 00:20:24	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	37402	No
5	GOM_NL__2PRFIN20090426_002433_000000502078_00274_37402_0288.N1	26-APR-2009 00:24:33	Bright	50.000	83		2.3780	11000.	100	37402	No
6	GOM_NL__2PRFIN20090426_002728_000000432078_00274_37402_0289.N1	26-APR-2009 00:27:28	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37402	No
7	GOM_NL__2PRFIN20090426_003711_000000422078_00274_37402_0290.N1	26-APR-2009 00:37:11	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	37402	No
8	GOM_NL__2PRFIN20090426_004703_000000482078_00274_37402_0291.N1	26-APR-2009 00:47:03	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	37402	No
9	GOM_NL__2PRFIN20090426_005218_000000402078_00274_37402_0292.N1	26-APR-2009 00:52:18	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	37402	No
10	GOM_NL__2PRFIN20090426_010555_000000592078_00274_37402_0293.N1	26-APR-2009 01:05:55	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	37402	No
11	GOM_NL__2PRFIN20090426_010822_000000502078_00274_37402_0294.N1	26-APR-2009 01:08:22	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	37402	No
12	GOM_NL__2PRFIN20090426_011139_000000542078_00274_37402_0295.N1	26-APR-2009 01:11:39	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	37402	No
13	GOM_NL__2PRFIN20090426_013454_000000562078_00275_37403_0298.N1	26-APR-2009 01:34:54	Straylight	55.500	40	The Sco	1.8590	7100.0	111	37403	No
14	GOM_NL__2PRFIN20090426_013632_000000642078_00275_37403_0299.N1	26-APR-2009 01:36:32	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	37403	No
15	GOM_NL__2PRFIN20090426_013957_000000622078_00275_37403_0300.N1	26-APR-2009 01:39:57	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	37403	No
16	GOM_NL__2PRFIN20090426_014504_000000552078_00275_37403_0301.N1	26-APR-2009 01:45:04	Twilight	55.000	158	6Pi Sco	2.9060	28000.	110	37403	No
17	GOM_NL__2PRFIN20090426_014954_000000452078_00275_37403_0302.N1	26-APR-2009 01:49:54	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	37403	No
18	GOM_NL__2PRFIN20090426_015225_000000452078_00275_37403_0303.N1	26-APR-2009 01:52:25	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	37403	No
19	GOM_NL__2PRFIN20090426_020059_000000422078_00275_37403_0304.N1	26-APR-2009 02:00:59	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37403	No
20	GOM_NL__2PRFIN20090426_020509_000000502078_00275_37403_0305.N1	26-APR-2009 02:05:09	Bright	49.500	83		2.3780	11000.	99	37403	No
21	GOM_NL__2PRFIN20090426_020803_000000442078_00275_37403_0306.N1	26-APR-2009 02:08:03	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37403	No
22	GOM_NL__2PRFIN20090426_021746_000000452078_00275_37403_0307.N1	26-APR-2009 02:17:46	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37403	No
23	GOM_NL__2PRFIN20090426_022739_000000472078_00275_37403_0308.N1	26-APR-2009 02:27:39	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	37403	No
24	GOM_NL__2PRFIN20090426_023254_000000402078_00275_37403_0309.N1	26-APR-2009 02:32:54	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	37403	No
25	GOM_NL__2PRFIN20090426_024632_000000592078_00275_37403_0310.N1	26-APR-2009 02:46:32	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	37403	No
26	GOM_NL__2PRFIN20090426_024859_000000512078_00275_37403_0311.N1	26-APR-2009 02:48:59	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	37403	No
27	GOM_NL__2PRFIN20090426_025216_000000532078_00275_37403_0312.N1	26-APR-2009 02:52:16	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	37403	No
28	GOM_NL__2PRFIN20090426_031531_000000612078_00276_37404_0313.N1	26-APR-2009 03:15:31	Straylight	61.000	40	The Sco	1.8590	7100.0	122	37404	No
29	GOM_NL__2PRFIN20090426_031709_000000602078_00276_37404_0314.N1	26-APR-2009 03:17:09	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	37404	No
30	GOM_NL__2PRFIN20090426_032034_000000622078_00276_37404_0315.N1	26-APR-2009 03:20:34	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	37404	No
31	GOM_NL__2PRFIN20090426_032540_000000552078_00276_37404_0316.N1	26-APR-2009 03:25:40	Twilight	54.500	158	6Pi Sco	2.9060	28000.	109	37404	No
32	GOM_NL__2PRFIN20090426_033030_000000492078_00276_37404_0317.N1	26-APR-2009 03:30:30	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	37404	No
33	GOM_NL__2PRFIN20090426_033301_000000512078_00276_37404_0318.N1	26-APR-2009 03:33:01	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	37404	No
34	GOM_NL__2PRFIN20090426_034135_000000402078_00276_37404_0319.N1	26-APR-2009 03:41:35	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37404	No
35	GOM_NL__2PRFIN20090426_034544_000000462078_00276_37404_0320.N1	26-APR-2009 03:45:44	Bright	46.000	83		2.3780	11000.	92	37404	No
36	GOM_NL__2PRFIN20090426_034839_000000442078_00276_37404_0321.N1	26-APR-2009 03:48:39	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37404	No
37	GOM_NL__2PRFIN20090426_035821_000000452078_00276_37404_0322.N1	26-APR-2009 03:58:21	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37404	No
38	GOM_NL__2PRFIN20090426_040814_000000482078_00276_37404_0323.N1	26-APR-2009 04:08:14	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	37404	No
39	GOM_NL__2PRFIN20090426_041330_000000352078_00276_37404_0324.N1	26-APR-2009 04:13:30	Twilight	35.000	19	50Alp Cyg	1.2460	10500.	70	37404	No
40	GOM_NL__2PRFIN20090426_042708_000000592078_00276_37404_0325.N1	26-APR-2009 04:27:08	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	37404	No
41	GOM_NL__2PRFIN20090426_042936_000000502078_00276_37404_0326.N1	26-APR-2009 04:29:36	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	37404	No
42	GOM_NL__2PRFIN20090426_043253_000000572078_00276_37404_0327.N1	26-APR-2009 04:32:53	Dark	57.000	154	22Bet Aqr	2.8990	5700.0	114	37404	No

43	GOM_NL__2PRFIN20090426_045608_000000532078_00277_37405_0327.N1	26-APR-2009 04:56:08	Straylight	52.500	40	The Sco	1.8590	7100.0	105	37405	No
44	GOM_NL__2PRFIN20090426_045747_000000592078_00277_37405_0328.N1	26-APR-2009 04:57:47	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	37405	No
45	GOM_NL__2PRFIN20090426_050111_000000642078_00277_37405_0329.N1	26-APR-2009 05:01:11	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	37405	No
46	GOM_NL__2PRFIN20090426_050617_000000532078_00277_37405_0330.N1	26-APR-2009 05:06:17	Tw_i_and_stray	52.500	158	6Pi Sco	2.9060	28000.	105	37405	No
47	GOM_NL__2PRFIN20090426_051106_000000512078_00277_37405_0331.N1	26-APR-2009 05:11:06	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	37405	No
48	GOM_NL__2PRFIN20090426_051337_000000512078_00277_37405_0332.N1	26-APR-2009 05:13:37	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	37405	No
49	GOM_NL__2PRFIN20090426_052211_000000402078_00277_37405_0333.N1	26-APR-2009 05:22:11	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37405	No
50	GOM_NL__2PRFIN20090426_052619_000000482078_00277_37405_0334.N1	26-APR-2009 05:26:19	Bright	48.000	83		2.3780	11000.	96	37405	No
51	GOM_NL__2PRFIN20090426_052914_000000452078_00277_37405_0335.N1	26-APR-2009 05:29:14	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	37405	No
52	GOM_NL__2PRFIN20090426_053857_000000462078_00277_37405_0336.N1	26-APR-2009 05:38:57	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	37405	No
53	GOM_NL__2PRFIN20090426_054850_000000402078_00277_37405_0337.N1	26-APR-2009 05:48:50	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	37405	No
54	GOM_NL__2PRFIN20090426_055405_000000352078_00277_37405_0338.N1	26-APR-2009 05:54:05	Tw_i_and_stray	35.000	19	50Alp Cyg	1.2460	10500.	70	37405	No
55	GOM_NL__2PRFIN20090426_060745_000000612078_00277_37405_0339.N1	26-APR-2009 06:07:45	Dark	61.000	61	8Eps Peg	2.1000	3900.0	122	37405	No
56	GOM_NL__2PRFIN20090426_061013_000000522078_00277_37405_0340.N1	26-APR-2009 06:10:13	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	37405	No
57	GOM_NL__2PRFIN20090426_061330_000000562078_00277_37405_0341.N1	26-APR-2009 06:13:30	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	37405	No
58	GOM_NL__2PRFIN20090426_063645_000000592078_00278_37406_0341.N1	26-APR-2009 06:36:45	Straylight	59.000	40	The Sco	1.8590	7100.0	118	37406	No
59	GOM_NL__2PRFIN20090426_063824_000000622078_00278_37406_0342.N1	26-APR-2009 06:38:24	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	37406	No
60	GOM_NL__2PRFIN20090426_064148_000000632078_00278_37406_0343.N1	26-APR-2009 06:41:48	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	37406	No
61	GOM_NL__2PRFIN20090426_064653_000000562078_00278_37406_0344.N1	26-APR-2009 06:46:53	Tw_i_and_stray	55.500	158	6Pi Sco	2.9060	28000.	111	37406	No
62	GOM_NL__2PRFIN20090426_065142_000000462078_00278_37406_0345.N1	26-APR-2009 06:51:42	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	37406	No
63	GOM_NL__2PRFIN20090426_065413_000000552078_00278_37406_0346.N1	26-APR-2009 06:54:13	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	37406	No
64	GOM_NL__2PRFIN20090426_070247_000000402078_00278_37406_0347.N1	26-APR-2009 07:02:47	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37406	No
65	GOM_NL__2PRFIN20090426_070655_000000512078_00278_37406_0348.N1	26-APR-2009 07:06:55	Bright	51.000	83		2.3780	11000.	102	37406	No
66	GOM_NL__2PRFIN20090426_070950_000000432078_00278_37406_0349.N1	26-APR-2009 07:09:50	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	37406	No
67	GOM_NL__2PRFIN20090426_071932_000000442078_00278_37406_0350.N1	26-APR-2009 07:19:32	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	37406	No
68	GOM_NL__2PRFIN20090426_072926_000000592078_00278_37406_0351.N1	26-APR-2009 07:29:26	Bright	59.000	89	5Alp Cep	2.4510	8000.0	118	37406	No
69	GOM_NL__2PRFIN20090426_073441_000000302078_00278_37406_0352.N1	26-APR-2009 07:34:41	Tw_i_and_stray	30.000	19	50Alp Cyg	1.2460	10500.	60	37406	No
70	GOM_NL__2PRFIN20090426_074822_000000602078_00278_37406_0353.N1	26-APR-2009 07:48:22	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	37406	No
71	GOM_NL__2PRFIN20090426_075049_000000522078_00278_37406_0354.N1	26-APR-2009 07:50:49	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37406	No
72	GOM_NL__2PRFIN20090426_075407_000000552078_00278_37406_0355.N1	26-APR-2009 07:54:07	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	37406	No
73	GOM_NL__2PRFIN20090426_081722_000000552078_00279_37407_0355.N1	26-APR-2009 08:17:22	Straylight	55.000	40	The Sco	1.8590	7100.0	110	37407	No
74	GOM_NL__2PRFIN20090426_081901_000000622078_00279_37407_0356.N1	26-APR-2009 08:19:01	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	37407	No
75	GOM_NL__2PRFIN20090426_082224_000000622078_00279_37407_0357.N1	26-APR-2009 08:22:24	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	37407	No
76	GOM_NL__2PRFIN20090426_082729_000000542078_00279_37407_0358.N1	26-APR-2009 08:27:29	Tw_i_and_stray	53.500	158	6Pi Sco	2.9060	28000.	107	37407	No
77	GOM_NL__2PRFIN20090426_083218_000000442078_00279_37407_0359.N1	26-APR-2009 08:32:18	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	37407	No
78	GOM_NL__2PRFIN20090426_083449_000000532078_00279_37407_0360.N1	26-APR-2009 08:34:49	Bright	52.500	104	27Bet Lib	2.6140	13100.	105	37407	No
79	GOM_NL__2PRFIN20090426_084322_000000422078_00279_37407_0361.N1	26-APR-2009 08:43:22	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37407	No
80	GOM_NL__2PRFIN20090426_084730_000000472078_00279_37407_0362.N1	26-APR-2009 08:47:30	Bright	47.000	83		2.3780	11000.	94	37407	No
81	GOM_NL__2PRFIN20090426_085025_000000412078_00279_37407_0363.N1	26-APR-2009 08:50:25	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	37407	No
82	GOM_NL__2PRFIN20090426_090007_000000462078_00279_37407_0364.N1	26-APR-2009 09:00:07	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	37407	No
83	GOM_NL__2PRFIN20090426_091001_000000492078_00279_37407_0365.N1	26-APR-2009 09:10:01	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	37407	No
84	GOM_NL__2PRFIN20090426_091516_000000302078_00279_37407_0366.N1	26-APR-2009 09:15:16	Tw_i_and_stray	30.000	19	50Alp Cyg	1.2460	10500.	60	37407	No
85	GOM_NL__2PRFIN20090426_092858_000000602078_00279_37407_0367.N1	26-APR-2009 09:28:58	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	37407	No
86	GOM_NL__2PRFIN20090426_093126_000000512078_00279_37407_0368.N1	26-APR-2009 09:31:26	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	37407	No
87	GOM_NL__2PRFIN20090426_093444_000000602078_00279_37407_0369.N1	26-APR-2009 09:34:44	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	37407	No
88	GOM_NL__2PRFIN20090426_095759_000000572078_00280_37408_0389.N1	26-APR-2009 09:57:59	Straylight	57.000	40	The Sco	1.8590	7100.0	114	37408	No
89	GOM_NL__2PRFIN20090426_095938_000000602078_00280_37408_0390.N1	26-APR-2009 09:59:38	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	37408	No
90	GOM_NL__2PRFIN20090426_100301_000000602078_00280_37408_0391.N1	26-APR-2009 10:03:01	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	37408	No
91	GOM_NL__2PRFIN20090426_100806_000000562078_00280_37408_0392.N1	26-APR-2009 10:08:06	Tw_i_and_stray	56.000	158	6Pi Sco	2.9060	28000.	112	37408	No
92	GOM_NL__2PRFIN20090426_101255_000000482078_00280_37408_0393.N1	26-APR-2009 10:12:55	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	37408	No
93	GOM_NL__2PRFIN20090426_101525_000000532078_00280_37408_0394.N1	26-APR-2009 10:15:25	Bright	52.500	104	27Bet Lib	2.6140	13100.	105	37408	No
94	GOM_NL__2PRFIN20090426_102358_000000422078_00280_37408_0395.N1	26-APR-2009 10:23:58	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37408	No
95	GOM_NL__2PRFIN20090426_102805_000000482078_00280_37408_0396.N1	26-APR-2009 10:28:05	Bright	47.500	83		2.3780	11000.	95	37408	No
96	GOM_NL__2PRFIN20090426_103100_000000452078_00280_37408_0397.N1	26-APR-2009 10:31:00	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	37408	No
97	GOM_NL__2PRFIN20090426_104043_000000462078_00280_37408_0398.N1	26-APR-2009 10:40:43	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	37408	No
98	GOM_NL__2PRFIN20090426_105037_000000372078_00280_37408_0399.N1	26-APR-2009 10:50:37	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	37408	No
99	GOM_NL__2PRFIN20090426_110935_000000612078_00280_37408_0400.N1	26-APR-2009 11:09:35	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	37408	No
100	GOM_NL__2PRFIN20090426_111202_000000502078_00280_37408_0401.N1	26-APR-2009 11:12:02	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	37408	No
101	GOM_NL__2PRFIN20090426_111521_000000572078_00280_37408_0402.N1	26-APR-2009 11:15:21	Dark	56.500	154	22Bet Aqr	2.8990	5700.0	113	37408	No

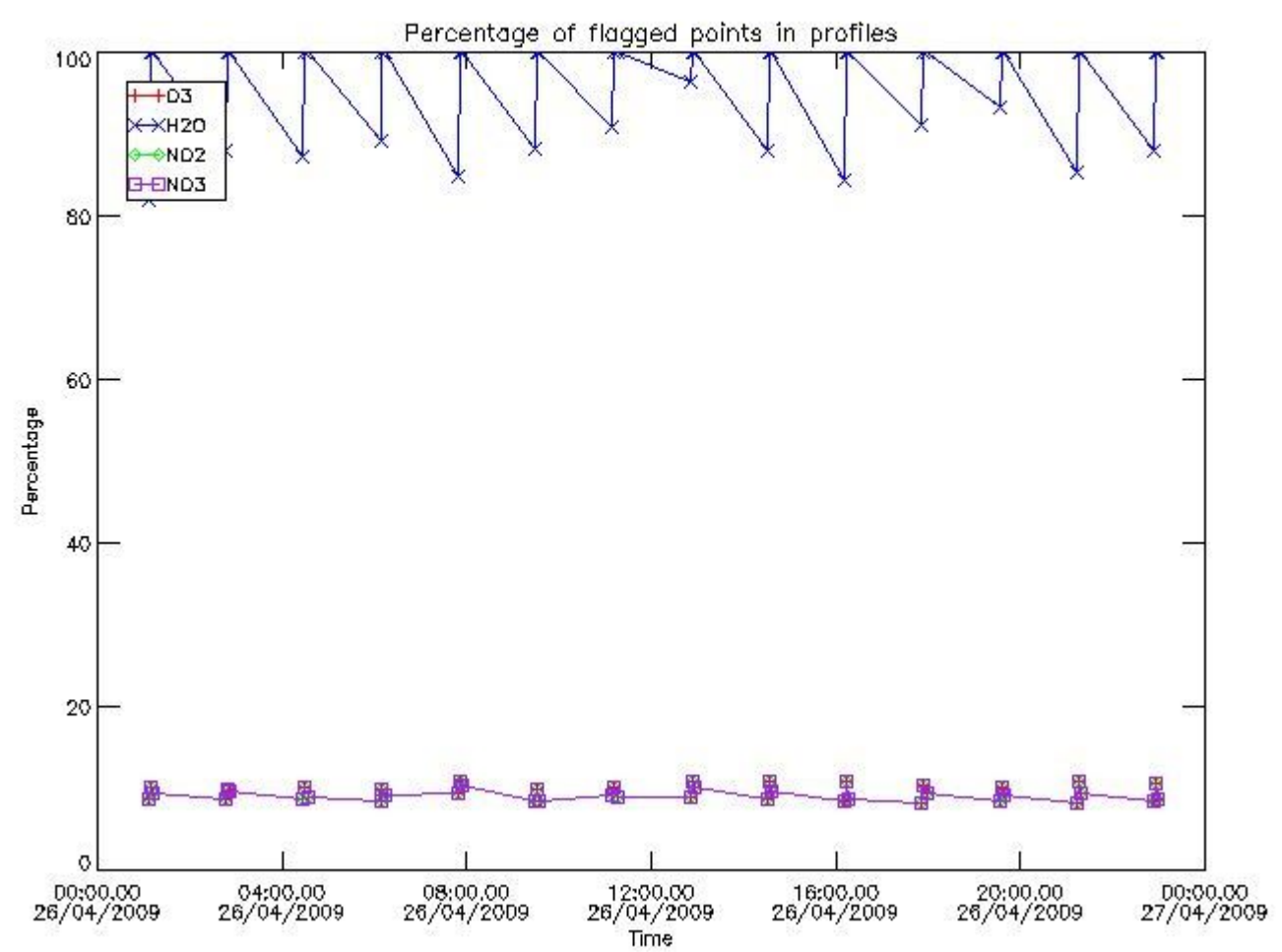
102	GOM_NL__2PRFIN20090426_113836_000000592078_00281_37409_0403.N1	26-APR-2009 11:38:36	Straylight	58.500	40	The Sco	1.8590	7100.0	117	37409	No
103	GOM_NL__2PRFIN20090426_114014_000000602078_00281_37409_0404.N1	26-APR-2009 11:40:14	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	37409	No
104	GOM_NL__2PRFIN20090426_114338_000000682078_00281_37409_0405.N1	26-APR-2009 11:43:38	Straylight	67.500	75	26Eps Sco	2.2910	4250.0	135	37409	No
105	GOM_NL__2PRFIN20090426_114842_000000552078_00281_37409_0406.N1	26-APR-2009 11:48:42	Tw_i_and_stray	55.000	158	6Pi Sco	2.9060	28000.	110	37409	No
106	GOM_NL__2PRFIN20090426_115330_000000472078_00281_37409_0407.N1	26-APR-2009 11:53:30	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	37409	No
107	GOM_NL__2PRFIN20090426_115600_000000522078_00281_37409_0408.N1	26-APR-2009 11:56:00	Bright	52.000	104	27Bet Lib	2.6140	13100.	104	37409	No
108	GOM_NL__2PRFIN20090426_120433_000000392078_00281_37409_0409.N1	26-APR-2009 12:04:33	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37409	No
109	GOM_NL__2PRFIN20090426_120840_000000492078_00281_37409_0410.N1	26-APR-2009 12:08:40	Bright	49.000	83		2.3780	11000.	98	37409	No
110	GOM_NL__2PRFIN20090426_121136_000000432078_00281_37409_0411.N1	26-APR-2009 12:11:36	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37409	No
111	GOM_NL__2PRFIN20090426_122118_000000462078_00281_37409_0412.N1	26-APR-2009 12:21:18	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	37409	No
112	GOM_NL__2PRFIN20090426_123113_000000402078_00281_37409_0413.N1	26-APR-2009 12:31:13	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	37409	No
113	GOM_NL__2PRFIN20090426_125011_000000572078_00281_37409_0414.N1	26-APR-2009 12:50:11	Dark	57.000	61	8Eps Peg	2.1000	3900.0	114	37409	No
114	GOM_NL__2PRFIN20090426_125239_000000472078_00281_37409_0415.N1	26-APR-2009 12:52:39	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	37409	No
115	GOM_NL__2PRFIN20090426_125558_000000552078_00281_37409_0416.N1	26-APR-2009 12:55:58	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	37409	No
116	GOM_NL__2PRFIN20090426_131913_000000602078_00282_37410_0417.N1	26-APR-2009 13:19:13	Straylight	60.000	40	The Sco	1.8590	7100.0	120	37410	No
117	GOM_NL__2PRFIN20090426_132051_000000602078_00282_37410_0418.N1	26-APR-2009 13:20:51	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	37410	No
118	GOM_NL__2PRFIN20090426_132415_000000662078_00282_37410_0419.N1	26-APR-2009 13:24:15	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	37410	No
119	GOM_NL__2PRFIN20090426_132918_000000552078_00282_37410_0420.N1	26-APR-2009 13:29:18	Tw_i_and_stray	54.500	158	6Pi Sco	2.9060	28000.	109	37410	No
120	GOM_NL__2PRFIN20090426_133406_000000482078_00282_37410_0421.N1	26-APR-2009 13:34:06	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	37410	No
121	GOM_NL__2PRFIN20090426_133636_000000512078_00282_37410_0422.N1	26-APR-2009 13:36:36	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	37410	No
122	GOM_NL__2PRFIN20090426_134509_000000392078_00282_37410_0423.N1	26-APR-2009 13:45:09	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37410	No
123	GOM_NL__2PRFIN20090426_134916_000000512078_00282_37410_0424.N1	26-APR-2009 13:49:16	Bright	50.500	83		2.3780	11000.	101	37410	No
124	GOM_NL__2PRFIN20090426_135211_000000442078_00282_37410_0425.N1	26-APR-2009 13:52:11	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37410	No
125	GOM_NL__2PRFIN20090426_140153_000000422078_00282_37410_0426.N1	26-APR-2009 14:01:53	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	37410	No
126	GOM_NL__2PRFIN20090426_141148_000000412078_00282_37410_0427.N1	26-APR-2009 14:11:48	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	37410	No
127	GOM_NL__2PRFIN20090426_143048_000000582078_00282_37410_0428.N1	26-APR-2009 14:30:48	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	37410	No
128	GOM_NL__2PRFIN20090426_143315_000000522078_00282_37410_0429.N1	26-APR-2009 14:33:15	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37410	No
129	GOM_NL__2PRFIN20090426_143635_000000582078_00282_37410_0430.N1	26-APR-2009 14:36:35	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	37410	No
130	GOM_NL__2PRFIN20090426_145949_000000642078_00283_37411_0429.N1	26-APR-2009 14:59:49	Straylight	64.000	40	The Sco	1.8590	7100.0	128	37411	No
131	GOM_NL__2PRFIN20090426_150128_000000622078_00283_37411_0430.N1	26-APR-2009 15:01:28	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	37411	No
132	GOM_NL__2PRFIN20090426_150451_000000642078_00283_37411_0431.N1	26-APR-2009 15:04:51	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	37411	No
133	GOM_NL__2PRFIN20090426_150955_000000552078_00283_37411_0432.N1	26-APR-2009 15:09:55	Tw_i_and_stray	54.500	158	6Pi Sco	2.9060	28000.	109	37411	No
134	GOM_NL__2PRFIN20090426_151442_000000462078_00283_37411_0433.N1	26-APR-2009 15:14:42	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	37411	No
135	GOM_NL__2PRFIN20090426_151712_000000542078_00283_37411_0434.N1	26-APR-2009 15:17:12	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	37411	No
136	GOM_NL__2PRFIN20090426_152545_000000392078_00283_37411_0435.N1	26-APR-2009 15:25:45	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37411	No
137	GOM_NL__2PRFIN20090426_152951_000000462078_00283_37411_0436.N1	26-APR-2009 15:29:51	Bright	45.500	83		2.3780	11000.	91	37411	No
138	GOM_NL__2PRFIN20090426_153246_000000412078_00283_37411_0437.N1	26-APR-2009 15:32:46	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	37411	No
139	GOM_NL__2PRFIN20090426_154228_000000442078_00283_37411_0438.N1	26-APR-2009 15:42:28	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	37411	No
140	GOM_NL__2PRFIN20090426_155224_000000552078_00283_37411_0439.N1	26-APR-2009 15:52:24	Bright	55.000	89	5Alp Cep	2.4510	8000.0	110	37411	No
141	GOM_NL__2PRFIN20090426_161125_000000612078_00283_37411_0440.N1	26-APR-2009 16:11:25	Dark	61.000	61	8Eps Peg	2.1000	3900.0	122	37411	No
142	GOM_NL__2PRFIN20090426_161352_000000522078_00283_37411_0441.N1	26-APR-2009 16:13:52	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37411	No
143	GOM_NL__2PRFIN20090426_161712_000000592078_00283_37411_0442.N1	26-APR-2009 16:17:12	Dark	58.500	154	22Bet Aqr	2.8990	5700.0	117	37411	No
144	GOM_NL__2PRFIN20090426_164026_000000562078_00284_37412_0446.N1	26-APR-2009 16:40:26	Straylight	56.000	40	The Sco	1.8590	7100.0	112	37412	No
145	GOM_NL__2PRFIN20090426_164206_000000582078_00284_37412_0447.N1	26-APR-2009 16:42:06	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	37412	No
146	GOM_NL__2PRFIN20090426_164528_000000632078_00284_37412_0448.N1	26-APR-2009 16:45:28	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	37412	No
147	GOM_NL__2PRFIN20090426_165031_000000532078_00284_37412_0449.N1	26-APR-2009 16:50:31	Tw_i_and_stray	53.000	158	6Pi Sco	2.9060	28000.	106	37412	No
148	GOM_NL__2PRFIN20090426_165519_000000472078_00284_37412_0450.N1	26-APR-2009 16:55:19	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	37412	No
149	GOM_NL__2PRFIN20090426_165748_000000542078_00284_37412_0451.N1	26-APR-2009 16:57:48	Bright	53.500	104	27Bet Lib	2.6140	13100.	107	37412	No
150	GOM_NL__2PRFIN20090426_170621_000000392078_00284_37412_0452.N1	26-APR-2009 17:06:21	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37412	No
151	GOM_NL__2PRFIN20090426_171026_000000482078_00284_37412_0453.N1	26-APR-2009 17:10:26	Bright	48.000	83		2.3780	11000.	96	37412	No
152	GOM_NL__2PRFIN20090426_171322_000000432078_00284_37412_0454.N1	26-APR-2009 17:13:22	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37412	No
153	GOM_NL__2PRFIN20090426_172304_000000432078_00284_37412_0455.N1	26-APR-2009 17:23:04	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	37412	No
154	GOM_NL__2PRFIN20090426_173300_000000442078_00284_37412_0456.N1	26-APR-2009 17:33:00	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	37412	No
155	GOM_NL__2PRFIN20090426_175202_000000622078_00284_37412_0457.N1	26-APR-2009 17:52:02	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	37412	No
156	GOM_NL__2PRFIN20090426_175429_000000502078_00284_37412_0458.N1	26-APR-2009 17:54:29	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	37412	No
157	GOM_NL__2PRFIN20090426_175749_000000542078_00284_37412_0459.N1	26-APR-2009 17:57:49	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	37412	No
158	GOM_NL__2PRFIN20090426_182103_000000622078_00285_37413_0460.N1	26-APR-2009 18:21:03	Straylight	62.000	40	The Sco	1.8590	7100.0	124	37413	No
159	GOM_NL__2PRFIN20090426_182243_000000642078_00285_37413_0461.N1	26-APR-2009 18:22:43	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	37413	No
160	GOM_NL__2PRFIN20090426_182605_000000652078_00285_37413_0462.N1	26-APR-2009 18:26:05	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	37413	No

161	GOM_NL__2PRFIN20090426_183108_000000572078_00285_37413_0463.N1	26-APR-2009 18:31:08	Twilight	56.500	158	6Pi Sco	2.9060	28000.	113	37413	No
162	GOM_NL__2PRFIN20090426_183555_000000452078_00285_37413_0464.N1	26-APR-2009 18:35:55	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	37413	No
163	GOM_NL__2PRFIN20090426_183824_000000522078_00285_37413_0465.N1	26-APR-2009 18:38:24	Bright	52.000	104	27Bet Lib	2.6140	13100.	104	37413	No
164	GOM_NL__2PRFIN20090426_184656_000000402078_00285_37413_0466.N1	26-APR-2009 18:46:56	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37413	No
165	GOM_NL__2PRFIN20090426_185102_000000462078_00285_37413_0467.N1	26-APR-2009 18:51:02	Bright	46.000	83		2.3780	11000.	92	37413	No
166	GOM_NL__2PRFIN20090426_185357_000000432078_00285_37413_0468.N1	26-APR-2009 18:53:57	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37413	No
167	GOM_NL__2PRFIN20090426_190339_000000452078_00285_37413_0469.N1	26-APR-2009 19:03:39	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	37413	No
168	GOM_NL__2PRFIN20090426_191336_000000382078_00285_37413_0470.N1	26-APR-2009 19:13:36	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	37413	No
169	GOM_NL__2PRFIN20090426_193238_000000602078_00285_37413_0471.N1	26-APR-2009 19:32:38	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	37413	No
170	GOM_NL__2PRFIN20090426_193507_000000512078_00285_37413_0472.N1	26-APR-2009 19:35:07	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	37413	No
171	GOM_NL__2PRFIN20090426_193826_000000552078_00285_37413_0473.N1	26-APR-2009 19:38:26	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	37413	No
172	GOM_NL__2PRFIN20090426_200140_000000572078_00286_37414_0478.N1	26-APR-2009 20:01:40	Straylight	57.000	40	The Sco	1.8590	7100.0	114	37414	No
173	GOM_NL__2PRFIN20090426_200320_000000632078_00286_37414_0479.N1	26-APR-2009 20:03:20	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	37414	No
174	GOM_NL__2PRFIN20090426_200642_000000652078_00286_37414_0480.N1	26-APR-2009 20:06:42	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	37414	No
175	GOM_NL__2PRFIN20090426_201144_000000562078_00286_37414_0481.N1	26-APR-2009 20:11:44	Twilight	56.000	158	6Pi Sco	2.9060	28000.	112	37414	No
176	GOM_NL__2PRFIN20090426_201631_000000452078_00286_37414_0482.N1	26-APR-2009 20:16:31	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	37414	No
177	GOM_NL__2PRFIN20090426_201900_000000532078_00286_37414_0483.N1	26-APR-2009 20:19:00	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	37414	No
178	GOM_NL__2PRFIN20090426_202732_000000392078_00286_37414_0484.N1	26-APR-2009 20:27:32	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37414	No
179	GOM_NL__2PRFIN20090426_203137_000000492078_00286_37414_0485.N1	26-APR-2009 20:31:37	Bright	48.500	83		2.3780	11000.	97	37414	No
180	GOM_NL__2PRFIN20090426_203433_000000432078_00286_37414_0486.N1	26-APR-2009 20:34:33	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37414	No
181	GOM_NL__2PRFIN20090426_204414_000000442078_00286_37414_0487.N1	26-APR-2009 20:44:14	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	37414	No
182	GOM_NL__2PRFIN20090426_205411_000000412078_00286_37414_0488.N1	26-APR-2009 20:54:11	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	37414	No
183	GOM_NL__2PRFIN20090426_211315_000000622078_00286_37414_0489.N1	26-APR-2009 21:13:15	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	37414	No
184	GOM_NL__2PRFIN20090426_211542_000000522078_00286_37414_0490.N1	26-APR-2009 21:15:42	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37414	No
185	GOM_NL__2PRFIN20090426_211903_000000542078_00286_37414_0491.N1	26-APR-2009 21:19:03	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	37414	No
186	GOM_NL__2PRFIN20090426_214218_000000502078_00287_37415_0495.N1	26-APR-2009 21:42:18	Straylight	49.500	40	The Sco	1.8590	7100.0	99	37415	No
187	GOM_NL__2PRFIN20090426_214357_000000632078_00287_37415_0496.N1	26-APR-2009 21:43:57	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	37415	No
188	GOM_NL__2PRFIN20090426_214718_000000632078_00287_37415_0497.N1	26-APR-2009 21:47:18	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	37415	No
189	GOM_NL__2PRFIN20090426_215220_000000552078_00287_37415_0498.N1	26-APR-2009 21:52:20	Twilight	55.000	158	6Pi Sco	2.9060	28000.	110	37415	No
190	GOM_NL__2PRFIN20090426_215707_000000482078_00287_37415_0499.N1	26-APR-2009 21:57:07	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	37415	No
191	GOM_NL__2PRFIN20090426_215935_000000522078_00287_37415_0500.N1	26-APR-2009 21:59:35	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	37415	No
192	GOM_NL__2PRFIN20090426_220808_000000402078_00287_37415_0501.N1	26-APR-2009 22:08:08	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	37415	No
193	GOM_NL__2PRFIN20090426_221212_000000452078_00287_37415_0502.N1	26-APR-2009 22:12:12	Bright	45.000	83		2.3780	11000.	90	37415	No
194	GOM_NL__2PRFIN20090426_221508_000000472078_00287_37415_0503.N1	26-APR-2009 22:15:08	Bright	47.000	180	27Gam Boo	3.0400	8000.0	94	37415	No
195	GOM_NL__2PRFIN20090426_222450_000000412078_00287_37415_0504.N1	26-APR-2009 22:24:50	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	37415	No
196	GOM_NL__2PRFIN20090426_223447_000000512078_00287_37415_0505.N1	26-APR-2009 22:34:47	Bright	50.500	89	5Alp Cep	2.4510	8000.0	101	37415	No
197	GOM_NL__2PRFIN20090426_225351_000000672078_00287_37415_0506.N1	26-APR-2009 22:53:51	Dark	67.000	61	8Eps Peg	2.1000	3900.0	134	37415	No
198	GOM_NL__2PRFIN20090426_225619_000000482078_00287_37415_0507.N1	26-APR-2009 22:56:19	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	37415	No
199	GOM_NL__2PRFIN20090426_225940_000000582078_00287_37415_0508.N1	26-APR-2009 22:59:40	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	37415	No
200	GOM_NL__2PRFIN20090426_232254_000000522078_00288_37416_0511.N1	26-APR-2009 23:22:54	Straylight	52.000	40	The Sco	1.8590	7100.0	104	37416	No
201	GOM_NL__2PRFIN20090426_232434_000000572078_00288_37416_0512.N1	26-APR-2009 23:24:34	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	37416	No
202	GOM_NL__2PRFIN20090426_232755_000000632078_00288_37416_0513.N1	26-APR-2009 23:27:55	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	37416	No
203	GOM_NL__2PRFIN20090426_233257_000000562078_00288_37416_0514.N1	26-APR-2009 23:32:57	Twilight	55.500	158	6Pi Sco	2.9060	28000.	111	37416	No
204	GOM_NL__2PRFIN20090426_233743_000000462078_00288_37416_0515.N1	26-APR-2009 23:37:43	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	37416	No
205	GOM_NL__2PRFIN20090426_234011_000000532078_00288_37416_0516.N1	26-APR-2009 23:40:11	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	37416	No
206	GOM_NL__2PRFIN20090426_234843_000000402078_00288_37416_0517.N1	26-APR-2009 23:48:43	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	37416	No
207	GOM_NL__2PRFIN20090426_235247_000000492078_00288_37416_0518.N1	26-APR-2009 23:52:47	Bright	49.000	83		2.3780	11000.	98	37416	No
208	GOM_NL__2PRFIN20090426_235543_000000422078_00288_37416_0519.N1	26-APR-2009 23:55:43	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	37416	No

3. Quality information per product

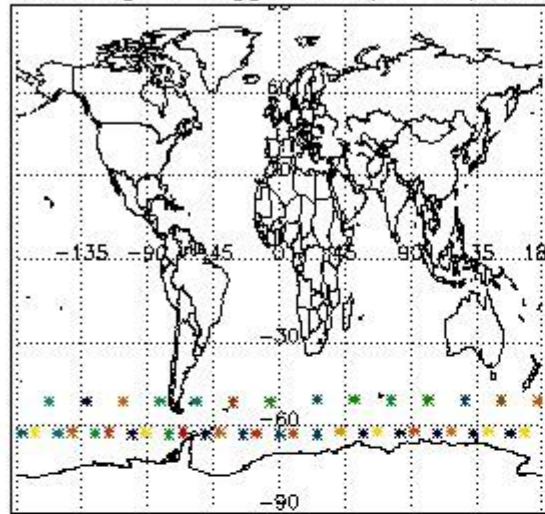
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

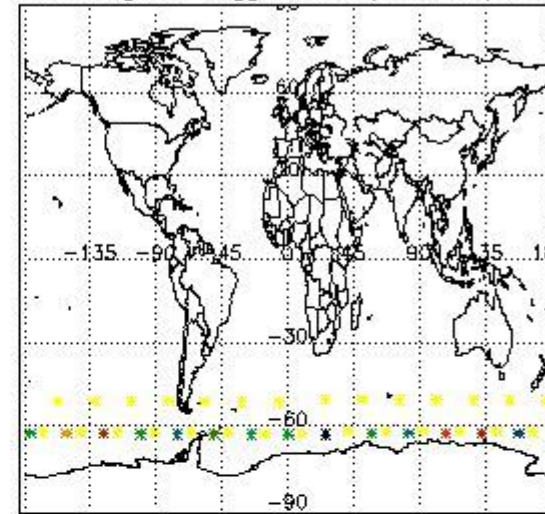


3.2 Plot quality information per product (world map)

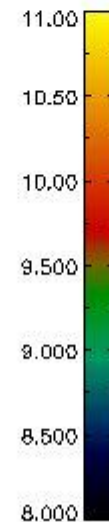
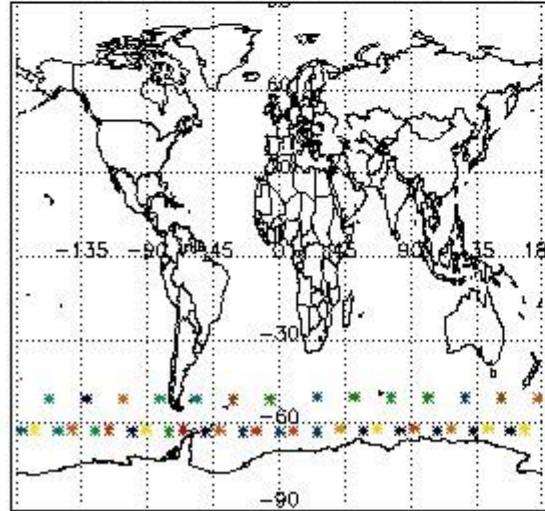
Percentage of flagged data per O3 profile



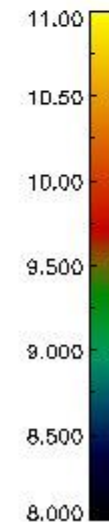
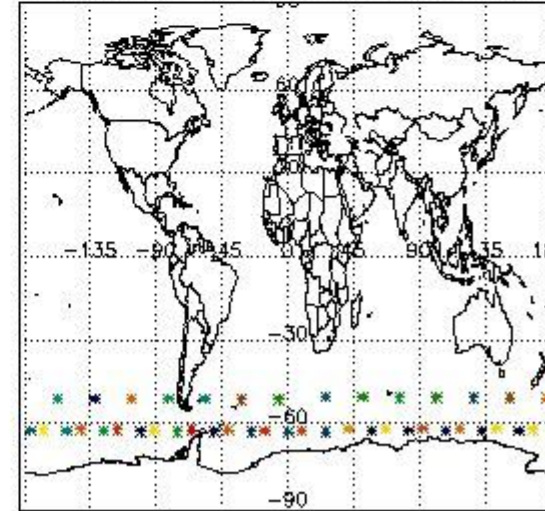
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

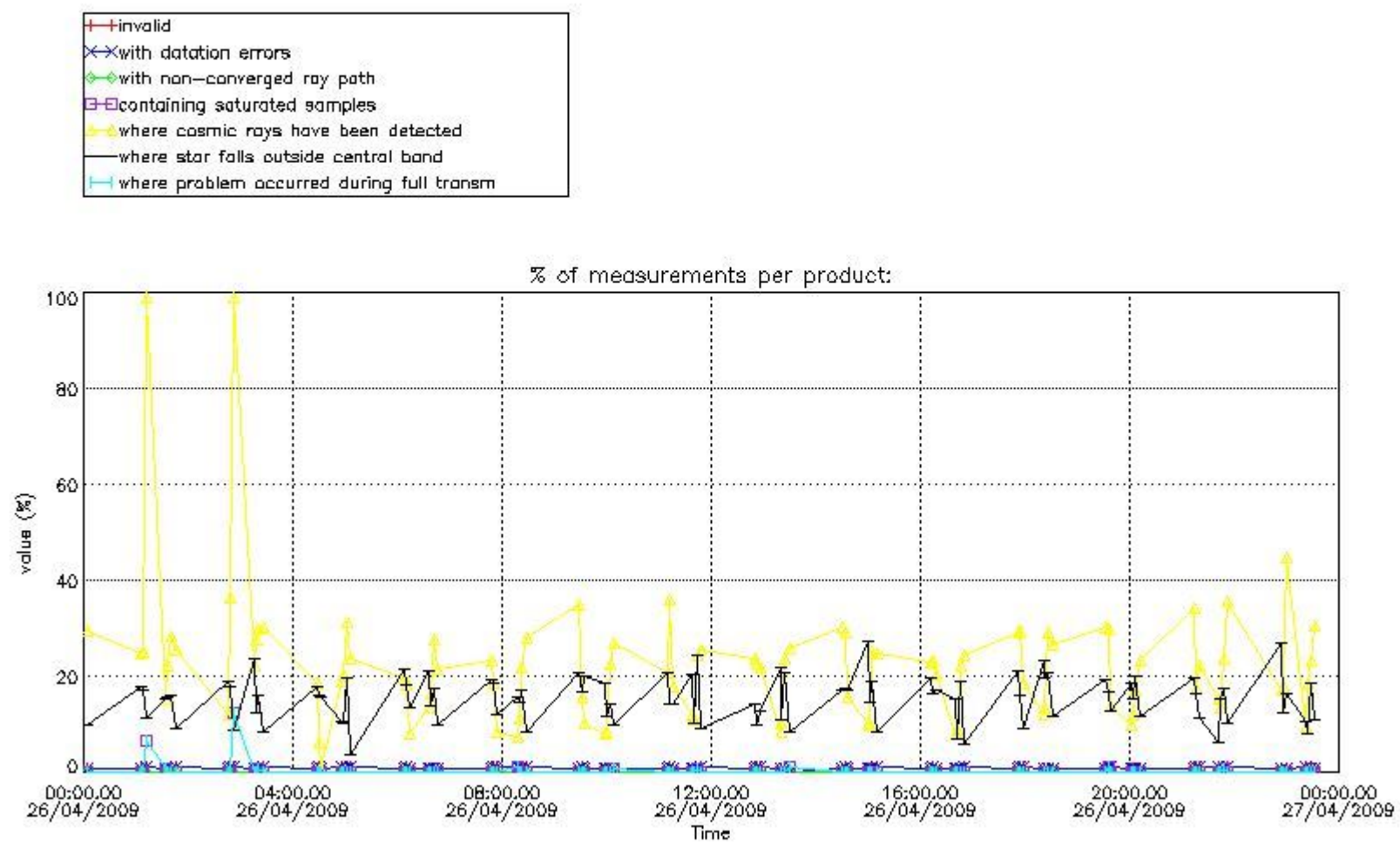


4. Level 1 quality information per product

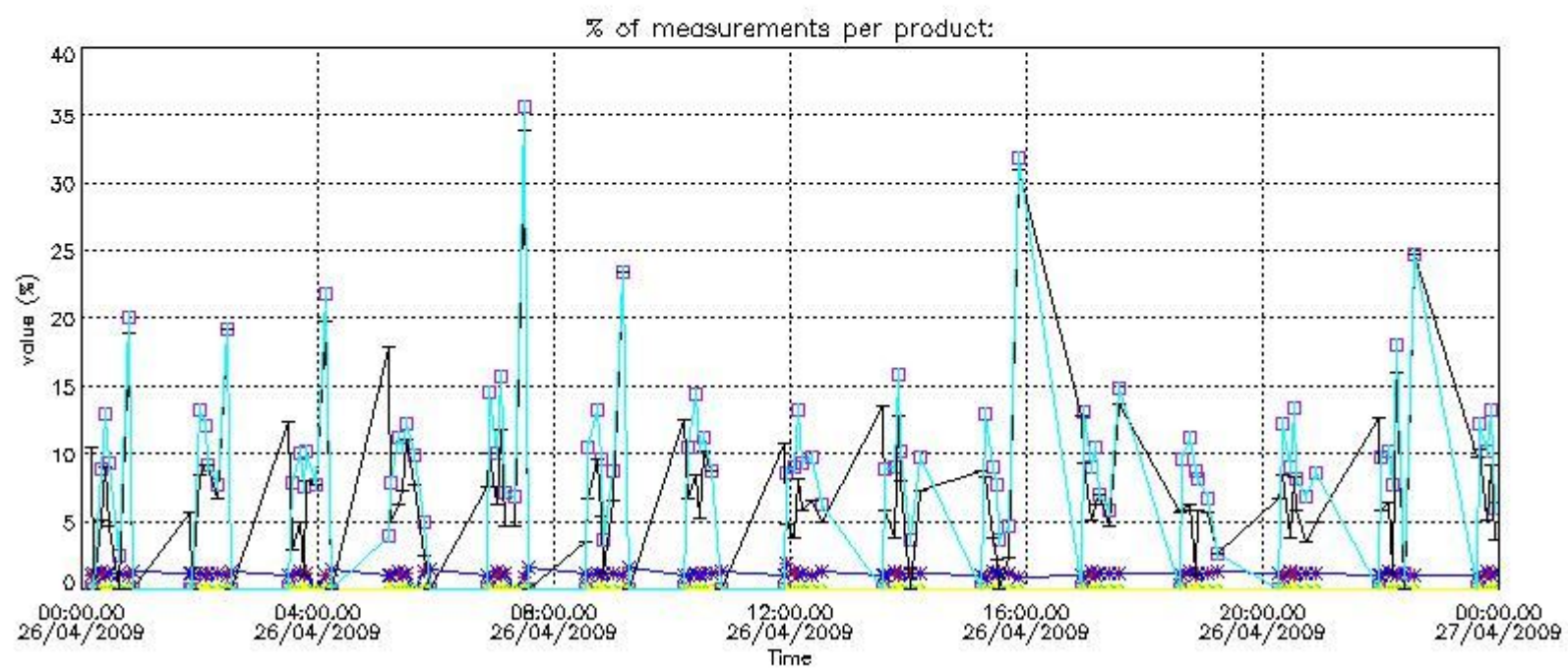
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



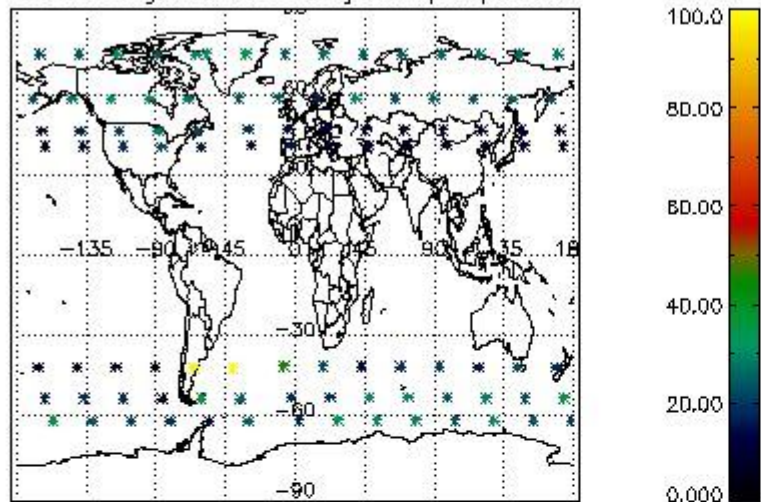
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



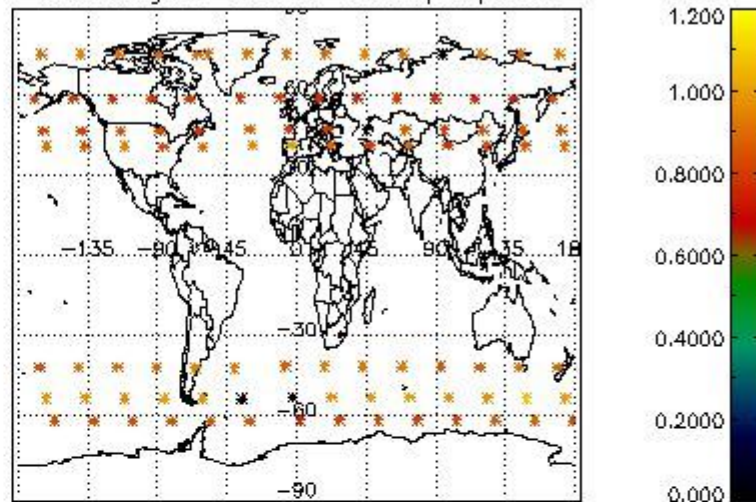
4.2 Plot quality information per product coming from level 1b processing (world map)

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

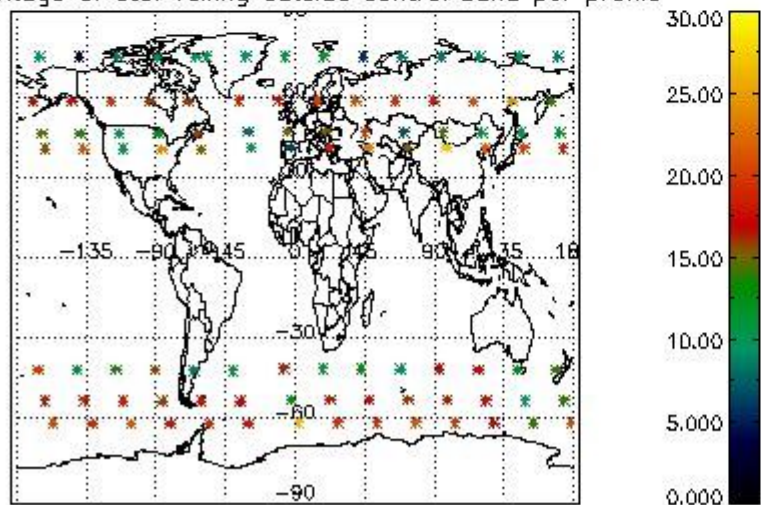
Percentage of cosmic ray hits per profile



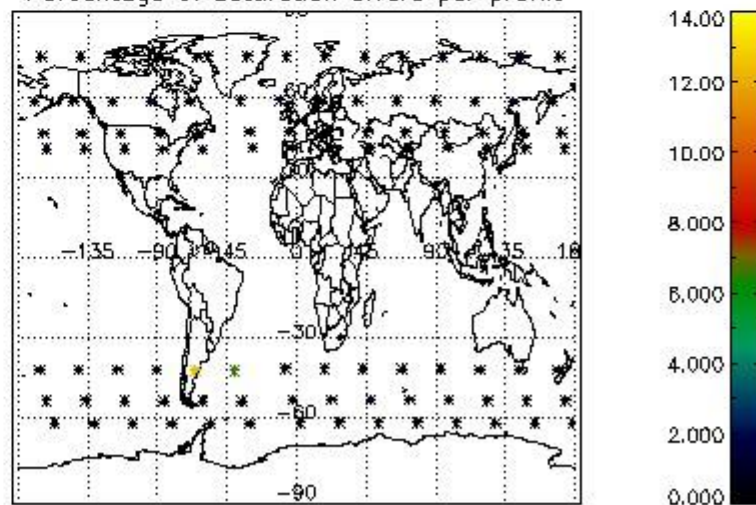
Percentage of datation errors per profile



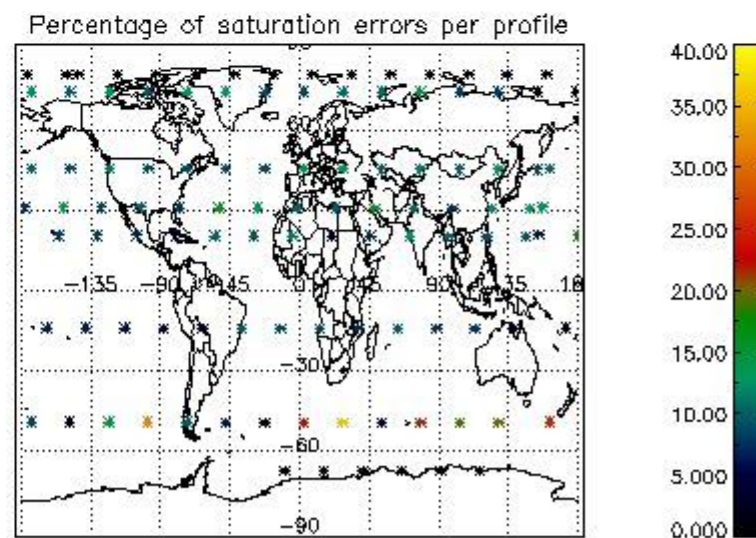
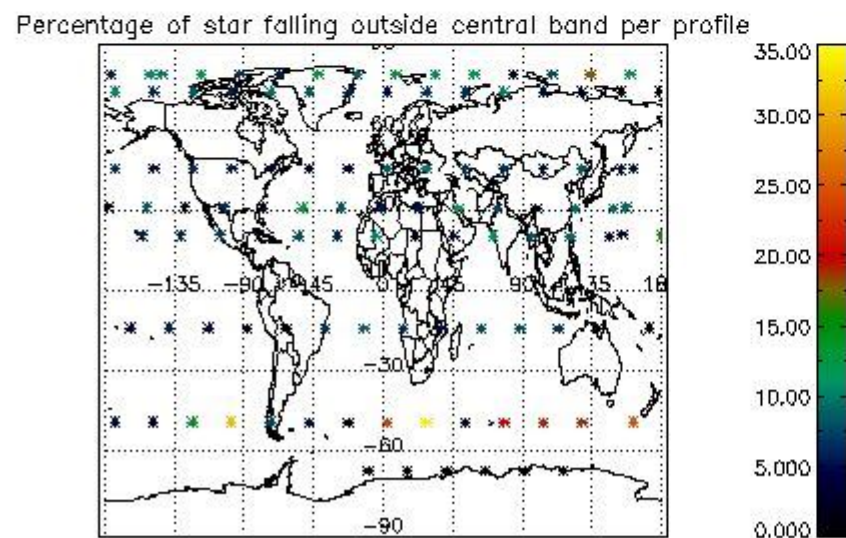
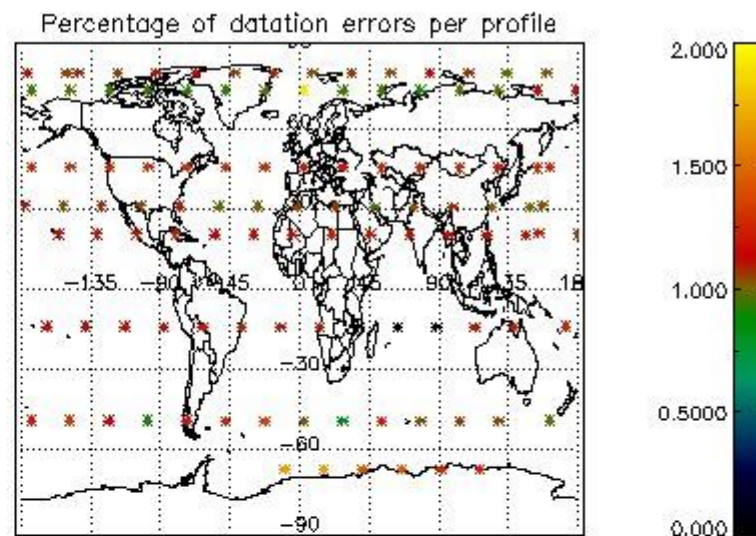
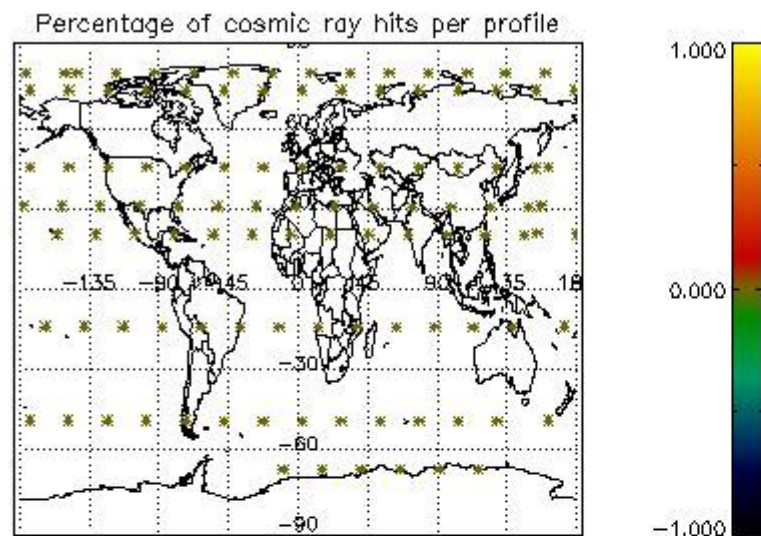
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

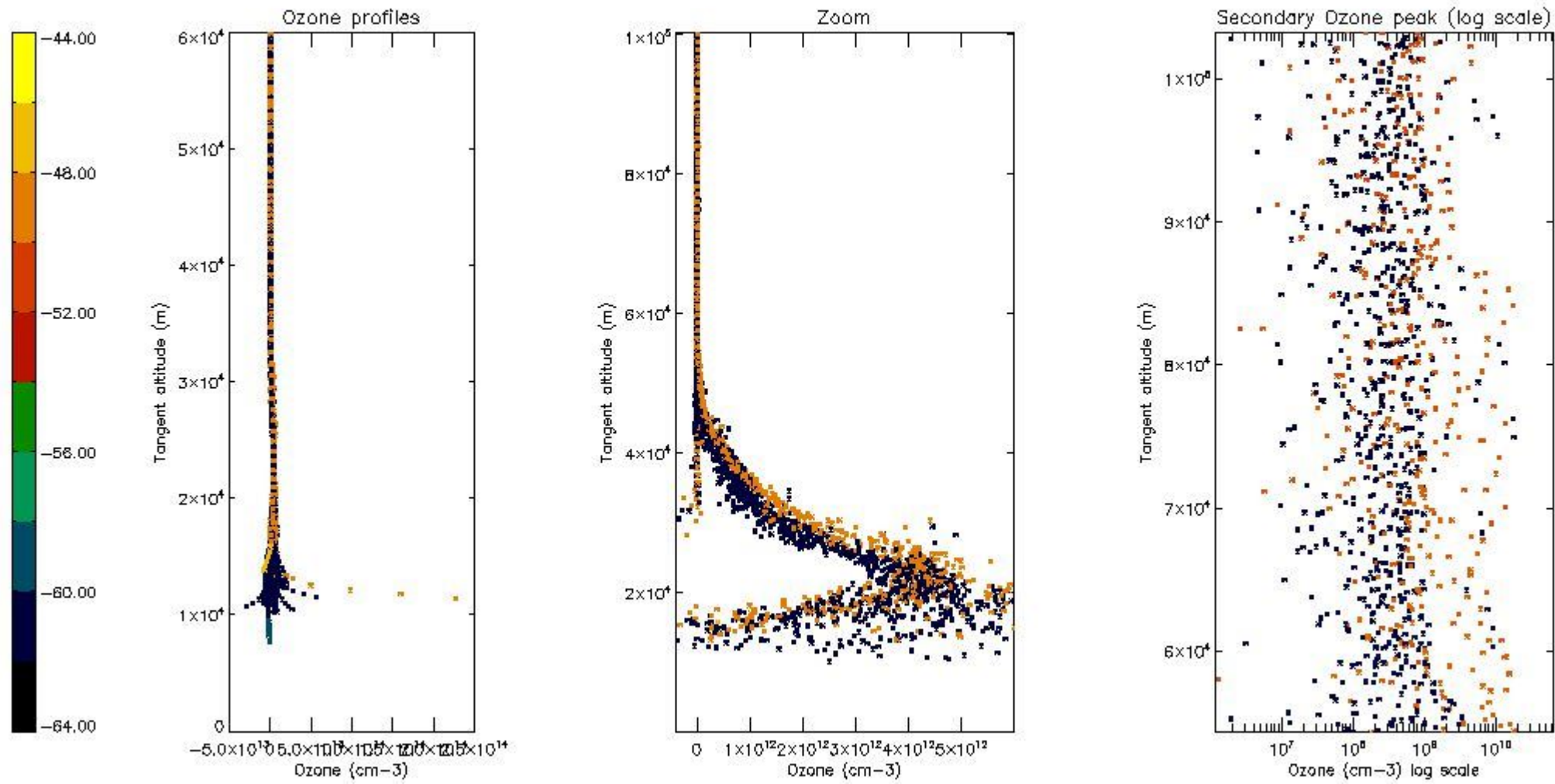
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	5

STD < 10	2
STD < 5	0

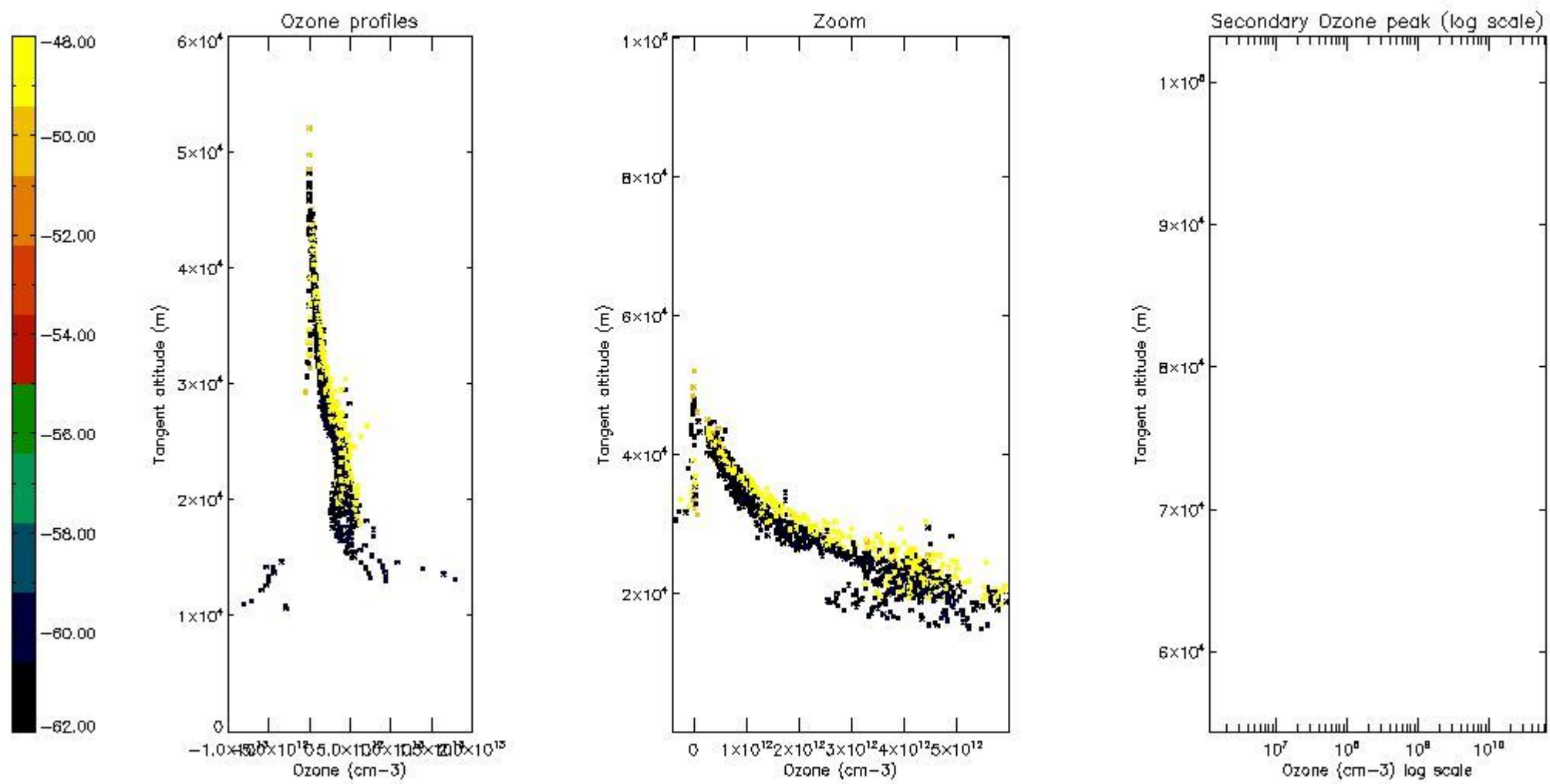
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



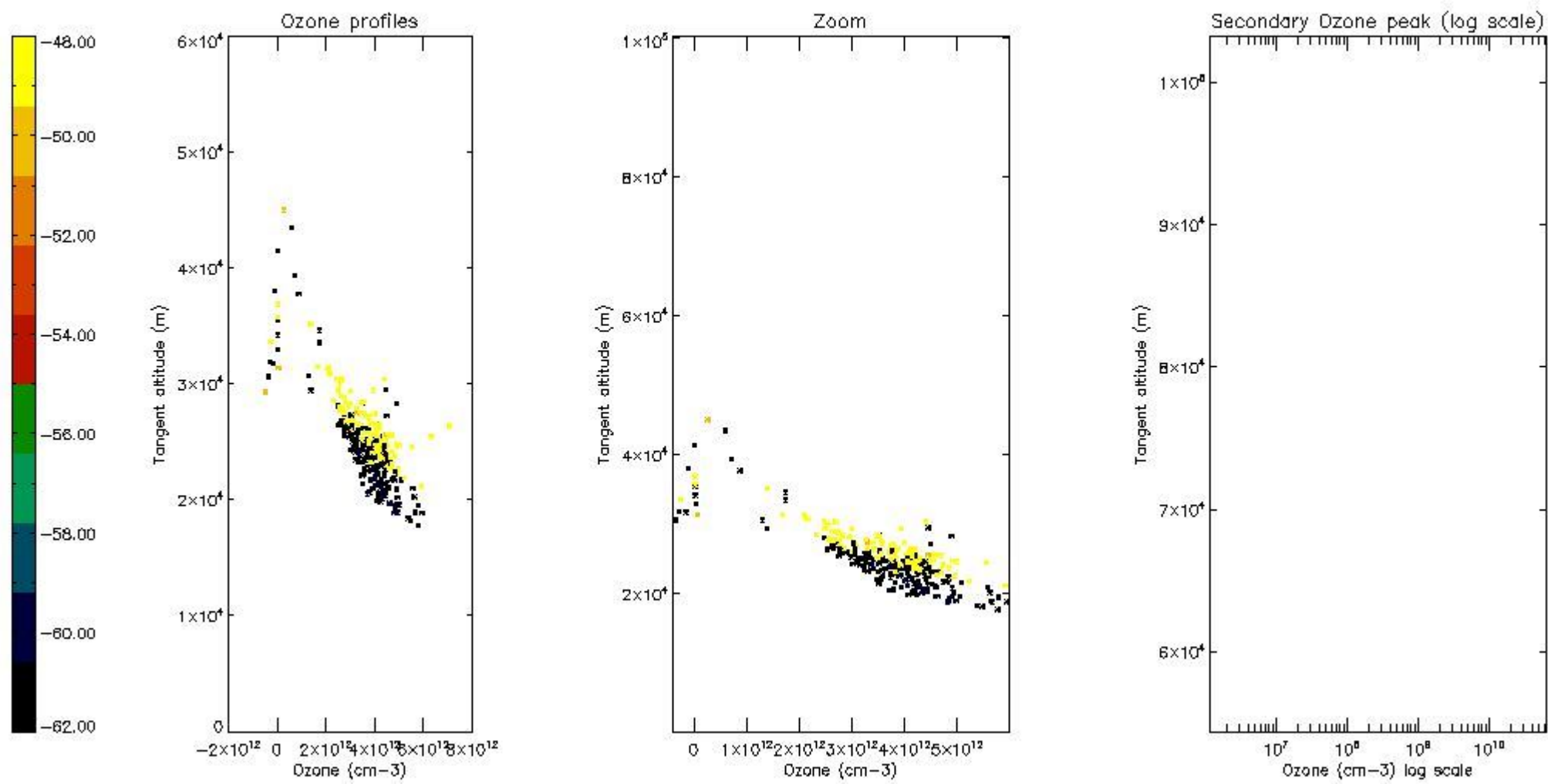
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



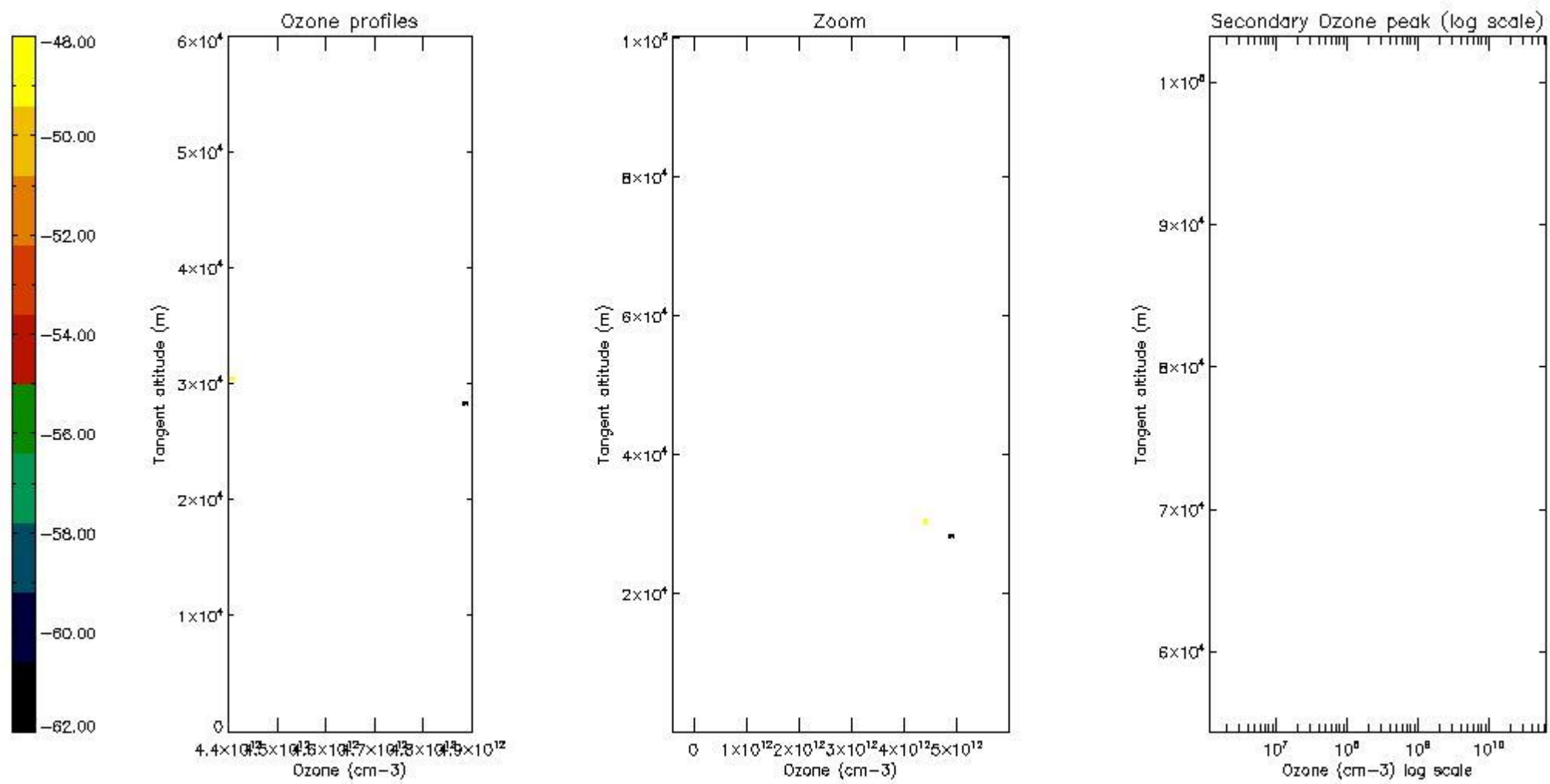
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



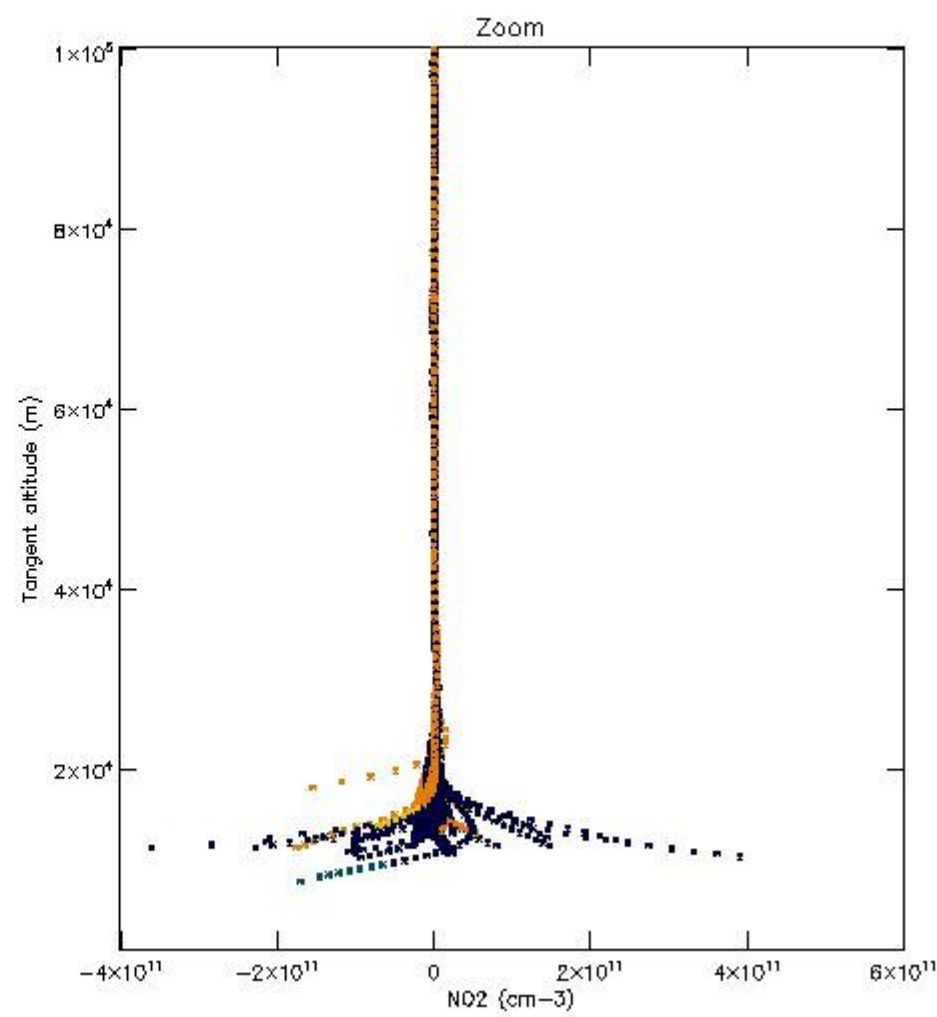
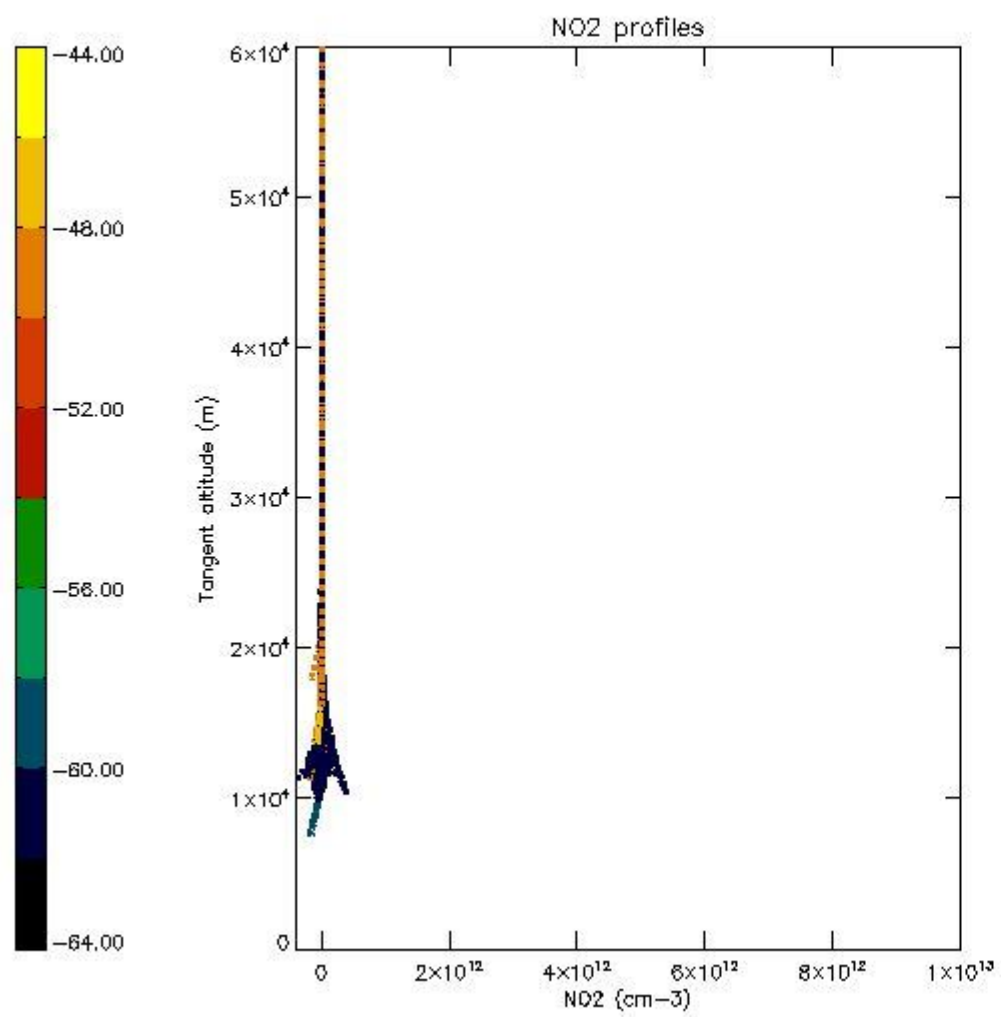
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



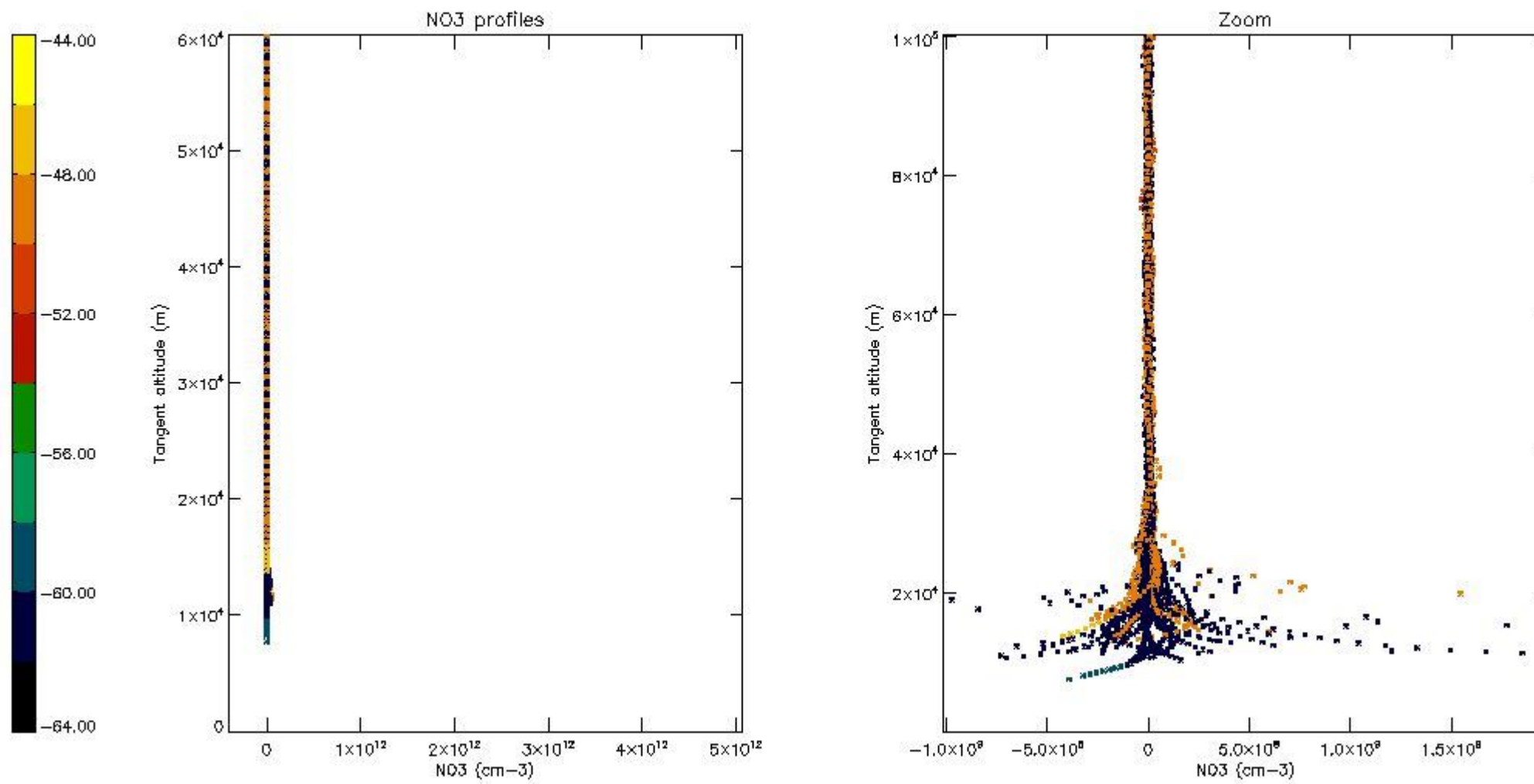
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	26-APR-2009 00:04:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-APR-2009 00:04:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-APR-2009 00:04:27

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	26APR2013 09:04:16
Data source version	GOMOS/6.01
Start time of products	26-04-2009 (26APR2009 00:00:00)
Stop time of products	27-04-2009 (27APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	208
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__2PRFIN20090426_000427_000000562078_00274_37402_0284.N1	26-APR-2009 00:04:27	Twilight	56.000	158	6Pi Sco	2.9060	28000.	112	37402	No
2	GOM_NL__2PRFIN20090426_000918_000000482078_00274_37402_0285.N1	26-APR-2009 00:09:18	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	37402	No
3	GOM_NL__2PRFIN20090426_001150_000000452078_00274_37402_0286.N1	26-APR-2009 00:11:50	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	37402	No
4	GOM_NL__2PRFIN20090426_002024_000000402078_00274_37402_0287.N1	26-APR-2009 00:20:24	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	37402	No
5	GOM_NL__2PRFIN20090426_002433_000000502078_00274_37402_0288.N1	26-APR-2009 00:24:33	Bright	50.000	83		2.3780	11000.	100	37402	No
6	GOM_NL__2PRFIN20090426_002728_000000432078_00274_37402_0289.N1	26-APR-2009 00:27:28	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37402	No
7	GOM_NL__2PRFIN20090426_003711_000000422078_00274_37402_0290.N1	26-APR-2009 00:37:11	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	37402	No
8	GOM_NL__2PRFIN20090426_004703_000000482078_00274_37402_0291.N1	26-APR-2009 00:47:03	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	37402	No
9	GOM_NL__2PRFIN20090426_005218_000000402078_00274_37402_0292.N1	26-APR-2009 00:52:18	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	37402	No
10	GOM_NL__2PRFIN20090426_010555_000000592078_00274_37402_0293.N1	26-APR-2009 01:05:55	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	37402	No
11	GOM_NL__2PRFIN20090426_010822_000000502078_00274_37402_0294.N1	26-APR-2009 01:08:22	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	37402	No
12	GOM_NL__2PRFIN20090426_011139_000000542078_00274_37402_0295.N1	26-APR-2009 01:11:39	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	37402	No
13	GOM_NL__2PRFIN20090426_013454_000000562078_00275_37403_0298.N1	26-APR-2009 01:34:54	Straylight	55.500	40	The Sco	1.8590	7100.0	111	37403	No
14	GOM_NL__2PRFIN20090426_013632_000000642078_00275_37403_0299.N1	26-APR-2009 01:36:32	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	37403	No
15	GOM_NL__2PRFIN20090426_013957_000000622078_00275_37403_0300.N1	26-APR-2009 01:39:57	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	37403	No
16	GOM_NL__2PRFIN20090426_014504_000000552078_00275_37403_0301.N1	26-APR-2009 01:45:04	Twilight	55.000	158	6Pi Sco	2.9060	28000.	110	37403	No
17	GOM_NL__2PRFIN20090426_014954_000000452078_00275_37403_0302.N1	26-APR-2009 01:49:54	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	37403	No
18	GOM_NL__2PRFIN20090426_015225_000000452078_00275_37403_0303.N1	26-APR-2009 01:52:25	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	37403	No
19	GOM_NL__2PRFIN20090426_020059_000000422078_00275_37403_0304.N1	26-APR-2009 02:00:59	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37403	No
20	GOM_NL__2PRFIN20090426_020509_000000502078_00275_37403_0305.N1	26-APR-2009 02:05:09	Bright	49.500	83		2.3780	11000.	99	37403	No
21	GOM_NL__2PRFIN20090426_020803_000000442078_00275_37403_0306.N1	26-APR-2009 02:08:03	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37403	No
22	GOM_NL__2PRFIN20090426_021746_000000452078_00275_37403_0307.N1	26-APR-2009 02:17:46	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37403	No
23	GOM_NL__2PRFIN20090426_022739_000000472078_00275_37403_0308.N1	26-APR-2009 02:27:39	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	37403	No
24	GOM_NL__2PRFIN20090426_023254_000000402078_00275_37403_0309.N1	26-APR-2009 02:32:54	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	37403	No
25	GOM_NL__2PRFIN20090426_024632_000000592078_00275_37403_0310.N1	26-APR-2009 02:46:32	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	37403	No
26	GOM_NL__2PRFIN20090426_024859_000000512078_00275_37403_0311.N1	26-APR-2009 02:48:59	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	37403	No
27	GOM_NL__2PRFIN20090426_025216_000000532078_00275_37403_0312.N1	26-APR-2009 02:52:16	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	37403	No
28	GOM_NL__2PRFIN20090426_031531_000000612078_00276_37404_0313.N1	26-APR-2009 03:15:31	Straylight	61.000	40	The Sco	1.8590	7100.0	122	37404	No
29	GOM_NL__2PRFIN20090426_031709_000000602078_00276_37404_0314.N1	26-APR-2009 03:17:09	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	37404	No
30	GOM_NL__2PRFIN20090426_032034_000000622078_00276_37404_0315.N1	26-APR-2009 03:20:34	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	37404	No
31	GOM_NL__2PRFIN20090426_032540_000000552078_00276_37404_0316.N1	26-APR-2009 03:25:40	Twilight	54.500	158	6Pi Sco	2.9060	28000.	109	37404	No
32	GOM_NL__2PRFIN20090426_033030_000000492078_00276_37404_0317.N1	26-APR-2009 03:30:30	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	37404	No
33	GOM_NL__2PRFIN20090426_033301_000000512078_00276_37404_0318.N1	26-APR-2009 03:33:01	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	37404	No
34	GOM_NL__2PRFIN20090426_034135_000000402078_00276_37404_0319.N1	26-APR-2009 03:41:35	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37404	No
35	GOM_NL__2PRFIN20090426_034544_000000462078_00276_37404_0320.N1	26-APR-2009 03:45:44	Bright	46.000	83		2.3780	11000.	92	37404	No
36	GOM_NL__2PRFIN20090426_034839_000000442078_00276_37404_0321.N1	26-APR-2009 03:48:39	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37404	No
37	GOM_NL__2PRFIN20090426_035821_000000452078_00276_37404_0322.N1	26-APR-2009 03:58:21	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37404	No
38	GOM_NL__2PRFIN20090426_040814_000000482078_00276_37404_0323.N1	26-APR-2009 04:08:14	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	37404	No
39	GOM_NL__2PRFIN20090426_041330_000000352078_00276_37404_0324.N1	26-APR-2009 04:13:30	Twilight	35.000	19	50Alp Cyg	1.2460	10500.	70	37404	No
40	GOM_NL__2PRFIN20090426_042708_000000592078_00276_37404_0325.N1	26-APR-2009 04:27:08	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	37404	No
41	GOM_NL__2PRFIN20090426_042936_000000502078_00276_37404_0326.N1	26-APR-2009 04:29:36	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	37404	No
42	GOM_NL__2PRFIN20090426_043253_000000572078_00276_37404_0327.N1	26-APR-2009 04:32:53	Dark	57.000	154	22Bet Aqr	2.8990	5700.0	114	37404	No

43	GOM_NL__2PRFIN20090426_045608_000000532078_00277_37405_0327.N1	26-APR-2009 04:56:08	Straylight	52.500	40	The Sco	1.8590	7100.0	105	37405	No
44	GOM_NL__2PRFIN20090426_045747_000000592078_00277_37405_0328.N1	26-APR-2009 04:57:47	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	37405	No
45	GOM_NL__2PRFIN20090426_050111_000000642078_00277_37405_0329.N1	26-APR-2009 05:01:11	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	37405	No
46	GOM_NL__2PRFIN20090426_050617_000000532078_00277_37405_0330.N1	26-APR-2009 05:06:17	Tw_i_and_stray	52.500	158	6Pi Sco	2.9060	28000.	105	37405	No
47	GOM_NL__2PRFIN20090426_051106_000000512078_00277_37405_0331.N1	26-APR-2009 05:11:06	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	37405	No
48	GOM_NL__2PRFIN20090426_051337_000000512078_00277_37405_0332.N1	26-APR-2009 05:13:37	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	37405	No
49	GOM_NL__2PRFIN20090426_052211_000000402078_00277_37405_0333.N1	26-APR-2009 05:22:11	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37405	No
50	GOM_NL__2PRFIN20090426_052619_000000482078_00277_37405_0334.N1	26-APR-2009 05:26:19	Bright	48.000	83		2.3780	11000.	96	37405	No
51	GOM_NL__2PRFIN20090426_052914_000000452078_00277_37405_0335.N1	26-APR-2009 05:29:14	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	37405	No
52	GOM_NL__2PRFIN20090426_053857_000000462078_00277_37405_0336.N1	26-APR-2009 05:38:57	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	37405	No
53	GOM_NL__2PRFIN20090426_054850_000000402078_00277_37405_0337.N1	26-APR-2009 05:48:50	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	37405	No
54	GOM_NL__2PRFIN20090426_055405_000000352078_00277_37405_0338.N1	26-APR-2009 05:54:05	Tw_i_and_stray	35.000	19	50Alp Cyg	1.2460	10500.	70	37405	No
55	GOM_NL__2PRFIN20090426_060745_000000612078_00277_37405_0339.N1	26-APR-2009 06:07:45	Dark	61.000	61	8Eps Peg	2.1000	3900.0	122	37405	No
56	GOM_NL__2PRFIN20090426_061013_000000522078_00277_37405_0340.N1	26-APR-2009 06:10:13	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	37405	No
57	GOM_NL__2PRFIN20090426_061330_000000562078_00277_37405_0341.N1	26-APR-2009 06:13:30	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	37405	No
58	GOM_NL__2PRFIN20090426_063645_000000592078_00278_37406_0341.N1	26-APR-2009 06:36:45	Straylight	59.000	40	The Sco	1.8590	7100.0	118	37406	No
59	GOM_NL__2PRFIN20090426_063824_000000622078_00278_37406_0342.N1	26-APR-2009 06:38:24	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	37406	No
60	GOM_NL__2PRFIN20090426_064148_000000632078_00278_37406_0343.N1	26-APR-2009 06:41:48	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	37406	No
61	GOM_NL__2PRFIN20090426_064653_000000562078_00278_37406_0344.N1	26-APR-2009 06:46:53	Tw_i_and_stray	55.500	158	6Pi Sco	2.9060	28000.	111	37406	No
62	GOM_NL__2PRFIN20090426_065142_000000462078_00278_37406_0345.N1	26-APR-2009 06:51:42	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	37406	No
63	GOM_NL__2PRFIN20090426_065413_000000552078_00278_37406_0346.N1	26-APR-2009 06:54:13	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	37406	No
64	GOM_NL__2PRFIN20090426_070247_000000402078_00278_37406_0347.N1	26-APR-2009 07:02:47	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37406	No
65	GOM_NL__2PRFIN20090426_070655_000000512078_00278_37406_0348.N1	26-APR-2009 07:06:55	Bright	51.000	83		2.3780	11000.	102	37406	No
66	GOM_NL__2PRFIN20090426_070950_000000432078_00278_37406_0349.N1	26-APR-2009 07:09:50	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	37406	No
67	GOM_NL__2PRFIN20090426_071932_000000442078_00278_37406_0350.N1	26-APR-2009 07:19:32	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	37406	No
68	GOM_NL__2PRFIN20090426_072926_000000592078_00278_37406_0351.N1	26-APR-2009 07:29:26	Bright	59.000	89	5Alp Cep	2.4510	8000.0	118	37406	No
69	GOM_NL__2PRFIN20090426_073441_000000302078_00278_37406_0352.N1	26-APR-2009 07:34:41	Tw_i_and_stray	30.000	19	50Alp Cyg	1.2460	10500.	60	37406	No
70	GOM_NL__2PRFIN20090426_074822_000000602078_00278_37406_0353.N1	26-APR-2009 07:48:22	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	37406	No
71	GOM_NL__2PRFIN20090426_075049_000000522078_00278_37406_0354.N1	26-APR-2009 07:50:49	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37406	No
72	GOM_NL__2PRFIN20090426_075407_000000552078_00278_37406_0355.N1	26-APR-2009 07:54:07	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	37406	No
73	GOM_NL__2PRFIN20090426_081722_000000552078_00279_37407_0355.N1	26-APR-2009 08:17:22	Straylight	55.000	40	The Sco	1.8590	7100.0	110	37407	No
74	GOM_NL__2PRFIN20090426_081901_000000622078_00279_37407_0356.N1	26-APR-2009 08:19:01	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	37407	No
75	GOM_NL__2PRFIN20090426_082224_000000622078_00279_37407_0357.N1	26-APR-2009 08:22:24	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	37407	No
76	GOM_NL__2PRFIN20090426_082729_000000542078_00279_37407_0358.N1	26-APR-2009 08:27:29	Tw_i_and_stray	53.500	158	6Pi Sco	2.9060	28000.	107	37407	No
77	GOM_NL__2PRFIN20090426_083218_000000442078_00279_37407_0359.N1	26-APR-2009 08:32:18	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	37407	No
78	GOM_NL__2PRFIN20090426_083449_000000532078_00279_37407_0360.N1	26-APR-2009 08:34:49	Bright	52.500	104	27Bet Lib	2.6140	13100.	105	37407	No
79	GOM_NL__2PRFIN20090426_084322_000000422078_00279_37407_0361.N1	26-APR-2009 08:43:22	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37407	No
80	GOM_NL__2PRFIN20090426_084730_000000472078_00279_37407_0362.N1	26-APR-2009 08:47:30	Bright	47.000	83		2.3780	11000.	94	37407	No
81	GOM_NL__2PRFIN20090426_085025_000000412078_00279_37407_0363.N1	26-APR-2009 08:50:25	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	37407	No
82	GOM_NL__2PRFIN20090426_090007_000000462078_00279_37407_0364.N1	26-APR-2009 09:00:07	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	37407	No
83	GOM_NL__2PRFIN20090426_091001_000000492078_00279_37407_0365.N1	26-APR-2009 09:10:01	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	37407	No
84	GOM_NL__2PRFIN20090426_091516_000000302078_00279_37407_0366.N1	26-APR-2009 09:15:16	Tw_i_and_stray	30.000	19	50Alp Cyg	1.2460	10500.	60	37407	No
85	GOM_NL__2PRFIN20090426_092858_000000602078_00279_37407_0367.N1	26-APR-2009 09:28:58	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	37407	No
86	GOM_NL__2PRFIN20090426_093126_000000512078_00279_37407_0368.N1	26-APR-2009 09:31:26	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	37407	No
87	GOM_NL__2PRFIN20090426_093444_000000602078_00279_37407_0369.N1	26-APR-2009 09:34:44	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	37407	No
88	GOM_NL__2PRFIN20090426_095759_000000572078_00280_37408_0389.N1	26-APR-2009 09:57:59	Straylight	57.000	40	The Sco	1.8590	7100.0	114	37408	No
89	GOM_NL__2PRFIN20090426_095938_000000602078_00280_37408_0390.N1	26-APR-2009 09:59:38	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	37408	No
90	GOM_NL__2PRFIN20090426_100301_000000602078_00280_37408_0391.N1	26-APR-2009 10:03:01	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	37408	No
91	GOM_NL__2PRFIN20090426_100806_000000562078_00280_37408_0392.N1	26-APR-2009 10:08:06	Tw_i_and_stray	56.000	158	6Pi Sco	2.9060	28000.	112	37408	No
92	GOM_NL__2PRFIN20090426_101255_000000482078_00280_37408_0393.N1	26-APR-2009 10:12:55	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	37408	No
93	GOM_NL__2PRFIN20090426_101525_000000532078_00280_37408_0394.N1	26-APR-2009 10:15:25	Bright	52.500	104	27Bet Lib	2.6140	13100.	105	37408	No
94	GOM_NL__2PRFIN20090426_102358_000000422078_00280_37408_0395.N1	26-APR-2009 10:23:58	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	37408	No
95	GOM_NL__2PRFIN20090426_102805_000000482078_00280_37408_0396.N1	26-APR-2009 10:28:05	Bright	47.500	83		2.3780	11000.	95	37408	No
96	GOM_NL__2PRFIN20090426_103100_000000452078_00280_37408_0397.N1	26-APR-2009 10:31:00	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	37408	No
97	GOM_NL__2PRFIN20090426_104043_000000462078_00280_37408_0398.N1	26-APR-2009 10:40:43	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	37408	No
98	GOM_NL__2PRFIN20090426_105037_000000372078_00280_37408_0399.N1	26-APR-2009 10:50:37	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	37408	No
99	GOM_NL__2PRFIN20090426_110935_000000612078_00280_37408_0400.N1	26-APR-2009 11:09:35	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	37408	No
100	GOM_NL__2PRFIN20090426_111202_000000502078_00280_37408_0401.N1	26-APR-2009 11:12:02	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	37408	No
101	GOM_NL__2PRFIN20090426_111521_000000572078_00280_37408_0402.N1	26-APR-2009 11:15:21	Dark	56.500	154	22Bet Aqr	2.8990	5700.0	113	37408	No

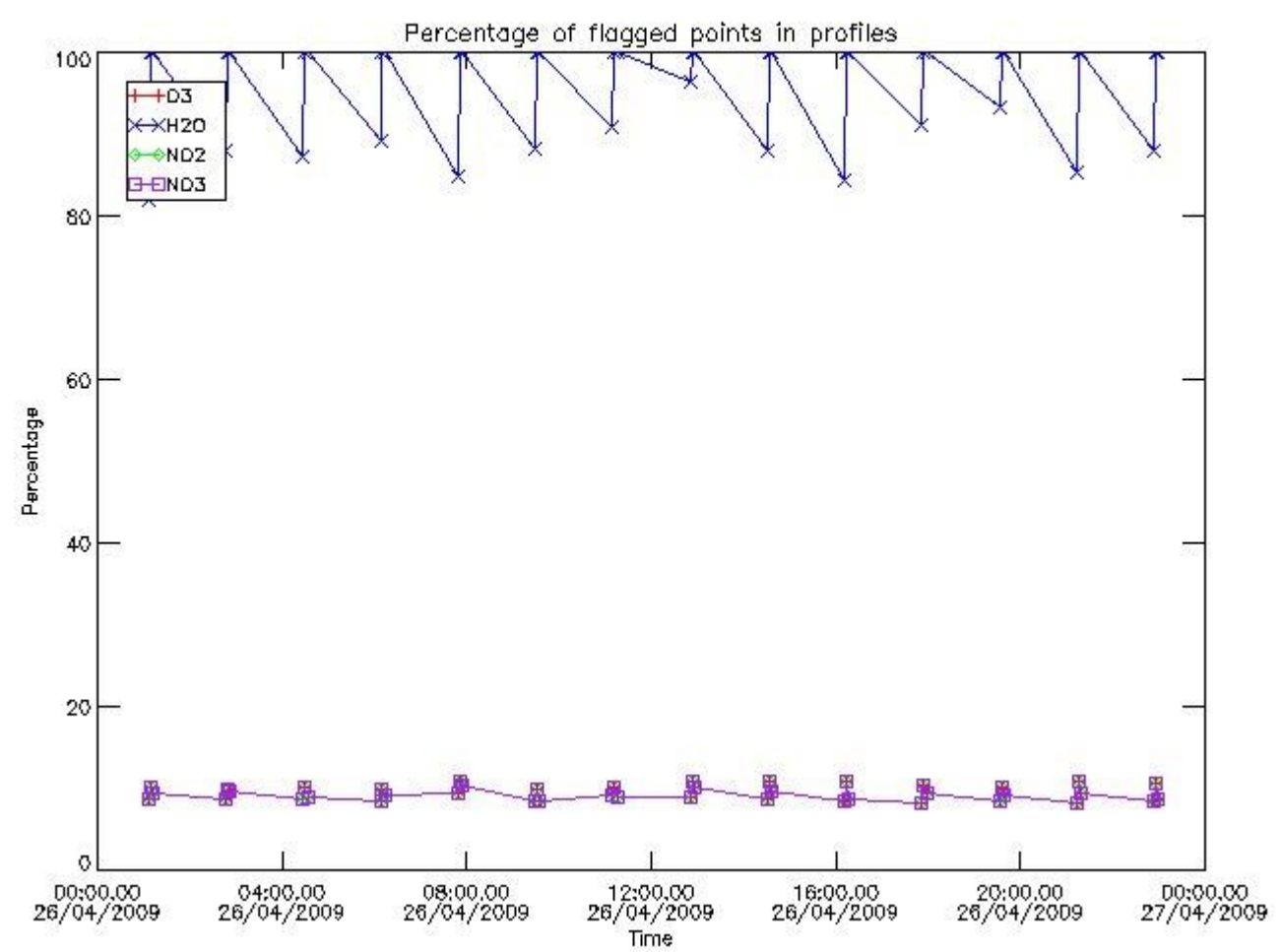
102	GOM_NL__2PRFIN20090426_113836_000000592078_00281_37409_0403.N1	26-APR-2009 11:38:36	Straylight	58.500	40	The Sco	1.8590	7100.0	117	37409	No
103	GOM_NL__2PRFIN20090426_114014_000000602078_00281_37409_0404.N1	26-APR-2009 11:40:14	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	37409	No
104	GOM_NL__2PRFIN20090426_114338_000000682078_00281_37409_0405.N1	26-APR-2009 11:43:38	Straylight	67.500	75	26Eps Sco	2.2910	4250.0	135	37409	No
105	GOM_NL__2PRFIN20090426_114842_000000552078_00281_37409_0406.N1	26-APR-2009 11:48:42	Tw_i_and_stray	55.000	158	6Pi Sco	2.9060	28000.	110	37409	No
106	GOM_NL__2PRFIN20090426_115330_000000472078_00281_37409_0407.N1	26-APR-2009 11:53:30	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	37409	No
107	GOM_NL__2PRFIN20090426_115600_000000522078_00281_37409_0408.N1	26-APR-2009 11:56:00	Bright	52.000	104	27Bet Lib	2.6140	13100.	104	37409	No
108	GOM_NL__2PRFIN20090426_120433_000000392078_00281_37409_0409.N1	26-APR-2009 12:04:33	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37409	No
109	GOM_NL__2PRFIN20090426_120840_000000492078_00281_37409_0410.N1	26-APR-2009 12:08:40	Bright	49.000	83		2.3780	11000.	98	37409	No
110	GOM_NL__2PRFIN20090426_121136_000000432078_00281_37409_0411.N1	26-APR-2009 12:11:36	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37409	No
111	GOM_NL__2PRFIN20090426_122118_000000462078_00281_37409_0412.N1	26-APR-2009 12:21:18	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	37409	No
112	GOM_NL__2PRFIN20090426_123113_000000402078_00281_37409_0413.N1	26-APR-2009 12:31:13	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	37409	No
113	GOM_NL__2PRFIN20090426_125011_000000572078_00281_37409_0414.N1	26-APR-2009 12:50:11	Dark	57.000	61	8Eps Peg	2.1000	3900.0	114	37409	No
114	GOM_NL__2PRFIN20090426_125239_000000472078_00281_37409_0415.N1	26-APR-2009 12:52:39	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	37409	No
115	GOM_NL__2PRFIN20090426_125558_000000552078_00281_37409_0416.N1	26-APR-2009 12:55:58	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	37409	No
116	GOM_NL__2PRFIN20090426_131913_000000602078_00282_37410_0417.N1	26-APR-2009 13:19:13	Straylight	60.000	40	The Sco	1.8590	7100.0	120	37410	No
117	GOM_NL__2PRFIN20090426_132051_000000602078_00282_37410_0418.N1	26-APR-2009 13:20:51	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	37410	No
118	GOM_NL__2PRFIN20090426_132415_000000662078_00282_37410_0419.N1	26-APR-2009 13:24:15	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	37410	No
119	GOM_NL__2PRFIN20090426_132918_000000552078_00282_37410_0420.N1	26-APR-2009 13:29:18	Tw_i_and_stray	54.500	158	6Pi Sco	2.9060	28000.	109	37410	No
120	GOM_NL__2PRFIN20090426_133406_000000482078_00282_37410_0421.N1	26-APR-2009 13:34:06	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	37410	No
121	GOM_NL__2PRFIN20090426_133636_000000512078_00282_37410_0422.N1	26-APR-2009 13:36:36	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	37410	No
122	GOM_NL__2PRFIN20090426_134509_000000392078_00282_37410_0423.N1	26-APR-2009 13:45:09	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37410	No
123	GOM_NL__2PRFIN20090426_134916_000000512078_00282_37410_0424.N1	26-APR-2009 13:49:16	Bright	50.500	83		2.3780	11000.	101	37410	No
124	GOM_NL__2PRFIN20090426_135211_000000442078_00282_37410_0425.N1	26-APR-2009 13:52:11	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	37410	No
125	GOM_NL__2PRFIN20090426_140153_000000422078_00282_37410_0426.N1	26-APR-2009 14:01:53	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	37410	No
126	GOM_NL__2PRFIN20090426_141148_000000412078_00282_37410_0427.N1	26-APR-2009 14:11:48	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	37410	No
127	GOM_NL__2PRFIN20090426_143048_000000582078_00282_37410_0428.N1	26-APR-2009 14:30:48	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	37410	No
128	GOM_NL__2PRFIN20090426_143315_000000522078_00282_37410_0429.N1	26-APR-2009 14:33:15	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37410	No
129	GOM_NL__2PRFIN20090426_143635_000000582078_00282_37410_0430.N1	26-APR-2009 14:36:35	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	37410	No
130	GOM_NL__2PRFIN20090426_145949_000000642078_00283_37411_0429.N1	26-APR-2009 14:59:49	Straylight	64.000	40	The Sco	1.8590	7100.0	128	37411	No
131	GOM_NL__2PRFIN20090426_150128_000000622078_00283_37411_0430.N1	26-APR-2009 15:01:28	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	37411	No
132	GOM_NL__2PRFIN20090426_150451_000000642078_00283_37411_0431.N1	26-APR-2009 15:04:51	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	37411	No
133	GOM_NL__2PRFIN20090426_150955_000000552078_00283_37411_0432.N1	26-APR-2009 15:09:55	Tw_i_and_stray	54.500	158	6Pi Sco	2.9060	28000.	109	37411	No
134	GOM_NL__2PRFIN20090426_151442_000000462078_00283_37411_0433.N1	26-APR-2009 15:14:42	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	37411	No
135	GOM_NL__2PRFIN20090426_151712_000000542078_00283_37411_0434.N1	26-APR-2009 15:17:12	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	37411	No
136	GOM_NL__2PRFIN20090426_152545_000000392078_00283_37411_0435.N1	26-APR-2009 15:25:45	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37411	No
137	GOM_NL__2PRFIN20090426_152951_000000462078_00283_37411_0436.N1	26-APR-2009 15:29:51	Bright	45.500	83		2.3780	11000.	91	37411	No
138	GOM_NL__2PRFIN20090426_153246_000000412078_00283_37411_0437.N1	26-APR-2009 15:32:46	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	37411	No
139	GOM_NL__2PRFIN20090426_154228_000000442078_00283_37411_0438.N1	26-APR-2009 15:42:28	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	37411	No
140	GOM_NL__2PRFIN20090426_155224_000000552078_00283_37411_0439.N1	26-APR-2009 15:52:24	Bright	55.000	89	5Alp Cep	2.4510	8000.0	110	37411	No
141	GOM_NL__2PRFIN20090426_161125_000000612078_00283_37411_0440.N1	26-APR-2009 16:11:25	Dark	61.000	61	8Eps Peg	2.1000	3900.0	122	37411	No
142	GOM_NL__2PRFIN20090426_161352_000000522078_00283_37411_0441.N1	26-APR-2009 16:13:52	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37411	No
143	GOM_NL__2PRFIN20090426_161712_000000592078_00283_37411_0442.N1	26-APR-2009 16:17:12	Dark	58.500	154	22Bet Aqr	2.8990	5700.0	117	37411	No
144	GOM_NL__2PRFIN20090426_164026_000000562078_00284_37412_0446.N1	26-APR-2009 16:40:26	Straylight	56.000	40	The Sco	1.8590	7100.0	112	37412	No
145	GOM_NL__2PRFIN20090426_164206_000000582078_00284_37412_0447.N1	26-APR-2009 16:42:06	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	37412	No
146	GOM_NL__2PRFIN20090426_164528_000000632078_00284_37412_0448.N1	26-APR-2009 16:45:28	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	37412	No
147	GOM_NL__2PRFIN20090426_165031_000000532078_00284_37412_0449.N1	26-APR-2009 16:50:31	Tw_i_and_stray	53.000	158	6Pi Sco	2.9060	28000.	106	37412	No
148	GOM_NL__2PRFIN20090426_165519_000000472078_00284_37412_0450.N1	26-APR-2009 16:55:19	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	37412	No
149	GOM_NL__2PRFIN20090426_165748_000000542078_00284_37412_0451.N1	26-APR-2009 16:57:48	Bright	53.500	104	27Bet Lib	2.6140	13100.	107	37412	No
150	GOM_NL__2PRFIN20090426_170621_000000392078_00284_37412_0452.N1	26-APR-2009 17:06:21	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37412	No
151	GOM_NL__2PRFIN20090426_171026_000000482078_00284_37412_0453.N1	26-APR-2009 17:10:26	Bright	48.000	83		2.3780	11000.	96	37412	No
152	GOM_NL__2PRFIN20090426_171322_000000432078_00284_37412_0454.N1	26-APR-2009 17:13:22	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37412	No
153	GOM_NL__2PRFIN20090426_172304_000000432078_00284_37412_0455.N1	26-APR-2009 17:23:04	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	37412	No
154	GOM_NL__2PRFIN20090426_173300_000000442078_00284_37412_0456.N1	26-APR-2009 17:33:00	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	37412	No
155	GOM_NL__2PRFIN20090426_175202_000000622078_00284_37412_0457.N1	26-APR-2009 17:52:02	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	37412	No
156	GOM_NL__2PRFIN20090426_175429_000000502078_00284_37412_0458.N1	26-APR-2009 17:54:29	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	37412	No
157	GOM_NL__2PRFIN20090426_175749_000000542078_00284_37412_0459.N1	26-APR-2009 17:57:49	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	37412	No
158	GOM_NL__2PRFIN20090426_182103_000000622078_00285_37413_0460.N1	26-APR-2009 18:21:03	Straylight	62.000	40	The Sco	1.8590	7100.0	124	37413	No
159	GOM_NL__2PRFIN20090426_182243_000000642078_00285_37413_0461.N1	26-APR-2009 18:22:43	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	37413	No
160	GOM_NL__2PRFIN20090426_182605_000000652078_00285_37413_0462.N1	26-APR-2009 18:26:05	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	37413	No

161	GOM_NL__2PRFIN20090426_183108_000000572078_00285_37413_0463.N1	26-APR-2009 18:31:08	Twilight	56.500	158	6Pi Sco	2.9060	28000.	113	37413	No
162	GOM_NL__2PRFIN20090426_183555_000000452078_00285_37413_0464.N1	26-APR-2009 18:35:55	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	37413	No
163	GOM_NL__2PRFIN20090426_183824_000000522078_00285_37413_0465.N1	26-APR-2009 18:38:24	Bright	52.000	104	27Bet Lib	2.6140	13100.	104	37413	No
164	GOM_NL__2PRFIN20090426_184656_000000402078_00285_37413_0466.N1	26-APR-2009 18:46:56	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	37413	No
165	GOM_NL__2PRFIN20090426_185102_000000462078_00285_37413_0467.N1	26-APR-2009 18:51:02	Bright	46.000	83		2.3780	11000.	92	37413	No
166	GOM_NL__2PRFIN20090426_185357_000000432078_00285_37413_0468.N1	26-APR-2009 18:53:57	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37413	No
167	GOM_NL__2PRFIN20090426_190339_000000452078_00285_37413_0469.N1	26-APR-2009 19:03:39	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	37413	No
168	GOM_NL__2PRFIN20090426_191336_000000382078_00285_37413_0470.N1	26-APR-2009 19:13:36	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	37413	No
169	GOM_NL__2PRFIN20090426_193238_000000602078_00285_37413_0471.N1	26-APR-2009 19:32:38	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	37413	No
170	GOM_NL__2PRFIN20090426_193507_000000512078_00285_37413_0472.N1	26-APR-2009 19:35:07	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	37413	No
171	GOM_NL__2PRFIN20090426_193826_000000552078_00285_37413_0473.N1	26-APR-2009 19:38:26	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	37413	No
172	GOM_NL__2PRFIN20090426_200140_000000572078_00286_37414_0478.N1	26-APR-2009 20:01:40	Straylight	57.000	40	The Sco	1.8590	7100.0	114	37414	No
173	GOM_NL__2PRFIN20090426_200320_000000632078_00286_37414_0479.N1	26-APR-2009 20:03:20	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	37414	No
174	GOM_NL__2PRFIN20090426_200642_000000652078_00286_37414_0480.N1	26-APR-2009 20:06:42	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	37414	No
175	GOM_NL__2PRFIN20090426_201144_000000562078_00286_37414_0481.N1	26-APR-2009 20:11:44	Twilight	56.000	158	6Pi Sco	2.9060	28000.	112	37414	No
176	GOM_NL__2PRFIN20090426_201631_000000452078_00286_37414_0482.N1	26-APR-2009 20:16:31	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	37414	No
177	GOM_NL__2PRFIN20090426_201900_000000532078_00286_37414_0483.N1	26-APR-2009 20:19:00	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	37414	No
178	GOM_NL__2PRFIN20090426_202732_000000392078_00286_37414_0484.N1	26-APR-2009 20:27:32	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	37414	No
179	GOM_NL__2PRFIN20090426_203137_000000492078_00286_37414_0485.N1	26-APR-2009 20:31:37	Bright	48.500	83		2.3780	11000.	97	37414	No
180	GOM_NL__2PRFIN20090426_203433_000000432078_00286_37414_0486.N1	26-APR-2009 20:34:33	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	37414	No
181	GOM_NL__2PRFIN20090426_204414_000000442078_00286_37414_0487.N1	26-APR-2009 20:44:14	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	37414	No
182	GOM_NL__2PRFIN20090426_205411_000000412078_00286_37414_0488.N1	26-APR-2009 20:54:11	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	37414	No
183	GOM_NL__2PRFIN20090426_211315_000000622078_00286_37414_0489.N1	26-APR-2009 21:13:15	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	37414	No
184	GOM_NL__2PRFIN20090426_211542_000000522078_00286_37414_0490.N1	26-APR-2009 21:15:42	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	37414	No
185	GOM_NL__2PRFIN20090426_211903_000000542078_00286_37414_0491.N1	26-APR-2009 21:19:03	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	37414	No
186	GOM_NL__2PRFIN20090426_214218_000000502078_00287_37415_0495.N1	26-APR-2009 21:42:18	Straylight	49.500	40	The Sco	1.8590	7100.0	99	37415	No
187	GOM_NL__2PRFIN20090426_214357_000000632078_00287_37415_0496.N1	26-APR-2009 21:43:57	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	37415	No
188	GOM_NL__2PRFIN20090426_214718_000000632078_00287_37415_0497.N1	26-APR-2009 21:47:18	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	37415	No
189	GOM_NL__2PRFIN20090426_215220_000000552078_00287_37415_0498.N1	26-APR-2009 21:52:20	Twilight	55.000	158	6Pi Sco	2.9060	28000.	110	37415	No
190	GOM_NL__2PRFIN20090426_215707_000000482078_00287_37415_0499.N1	26-APR-2009 21:57:07	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	37415	No
191	GOM_NL__2PRFIN20090426_215935_000000522078_00287_37415_0500.N1	26-APR-2009 21:59:35	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	37415	No
192	GOM_NL__2PRFIN20090426_220808_000000402078_00287_37415_0501.N1	26-APR-2009 22:08:08	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	37415	No
193	GOM_NL__2PRFIN20090426_221212_000000452078_00287_37415_0502.N1	26-APR-2009 22:12:12	Bright	45.000	83		2.3780	11000.	90	37415	No
194	GOM_NL__2PRFIN20090426_221508_000000472078_00287_37415_0503.N1	26-APR-2009 22:15:08	Bright	47.000	180	27Gam Boo	3.0400	8000.0	94	37415	No
195	GOM_NL__2PRFIN20090426_222450_000000412078_00287_37415_0504.N1	26-APR-2009 22:24:50	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	37415	No
196	GOM_NL__2PRFIN20090426_223447_000000512078_00287_37415_0505.N1	26-APR-2009 22:34:47	Bright	50.500	89	5Alp Cep	2.4510	8000.0	101	37415	No
197	GOM_NL__2PRFIN20090426_225351_000000672078_00287_37415_0506.N1	26-APR-2009 22:53:51	Dark	67.000	61	8Eps Peg	2.1000	3900.0	134	37415	No
198	GOM_NL__2PRFIN20090426_225619_000000482078_00287_37415_0507.N1	26-APR-2009 22:56:19	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	37415	No
199	GOM_NL__2PRFIN20090426_225940_000000582078_00287_37415_0508.N1	26-APR-2009 22:59:40	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	37415	No
200	GOM_NL__2PRFIN20090426_232254_000000522078_00288_37416_0511.N1	26-APR-2009 23:22:54	Straylight	52.000	40	The Sco	1.8590	7100.0	104	37416	No
201	GOM_NL__2PRFIN20090426_232434_000000572078_00288_37416_0512.N1	26-APR-2009 23:24:34	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	37416	No
202	GOM_NL__2PRFIN20090426_232755_000000632078_00288_37416_0513.N1	26-APR-2009 23:27:55	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	37416	No
203	GOM_NL__2PRFIN20090426_233257_000000562078_00288_37416_0514.N1	26-APR-2009 23:32:57	Twilight	55.500	158	6Pi Sco	2.9060	28000.	111	37416	No
204	GOM_NL__2PRFIN20090426_233743_000000462078_00288_37416_0515.N1	26-APR-2009 23:37:43	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	37416	No
205	GOM_NL__2PRFIN20090426_234011_000000532078_00288_37416_0516.N1	26-APR-2009 23:40:11	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	37416	No
206	GOM_NL__2PRFIN20090426_234843_000000402078_00288_37416_0517.N1	26-APR-2009 23:48:43	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	37416	No
207	GOM_NL__2PRFIN20090426_235247_000000492078_00288_37416_0518.N1	26-APR-2009 23:52:47	Bright	49.000	83		2.3780	11000.	98	37416	No
208	GOM_NL__2PRFIN20090426_235543_000000422078_00288_37416_0519.N1	26-APR-2009 23:55:43	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	37416	No

3. Quality information per product

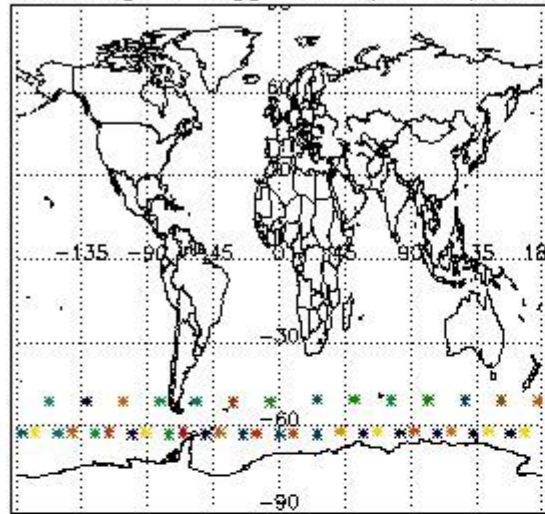
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

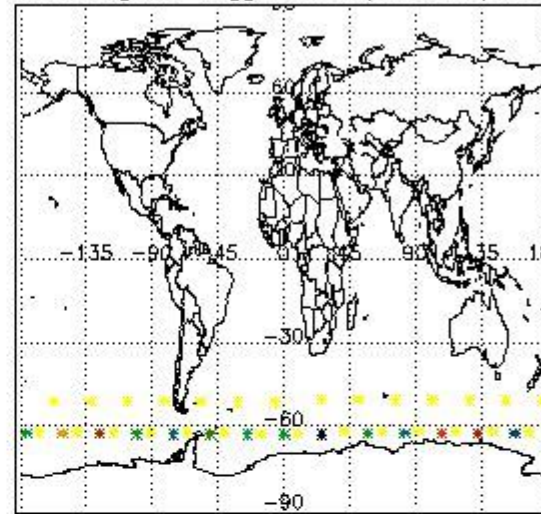


3.2 Plot quality information per product (world map)

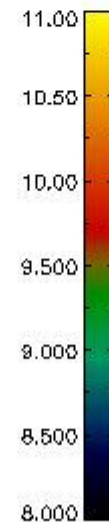
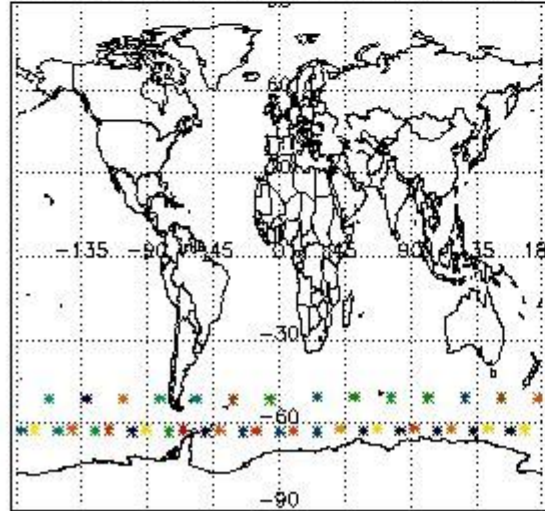
Percentage of flagged data per O3 profile



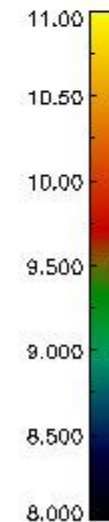
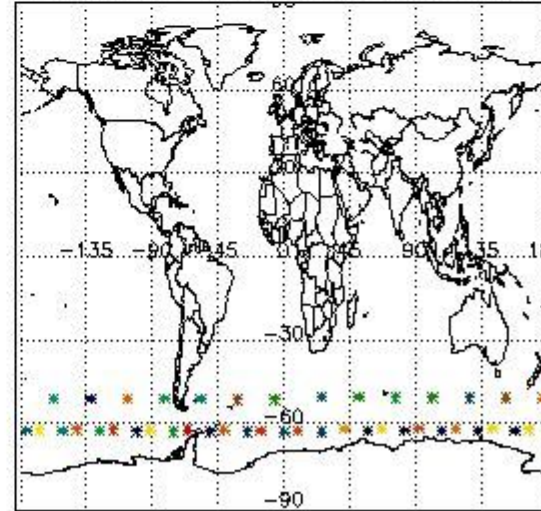
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

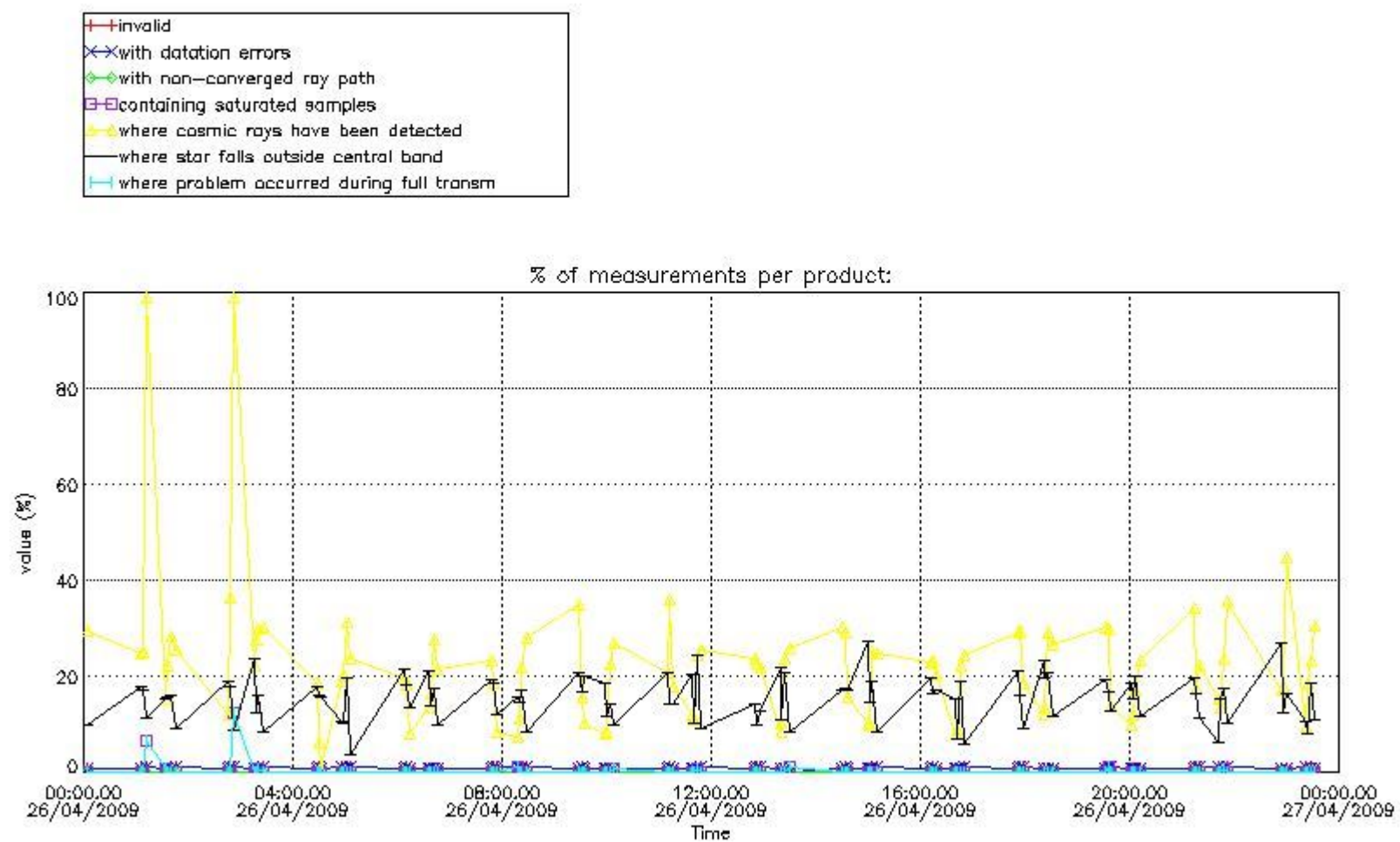


4. Level 1 quality information per product

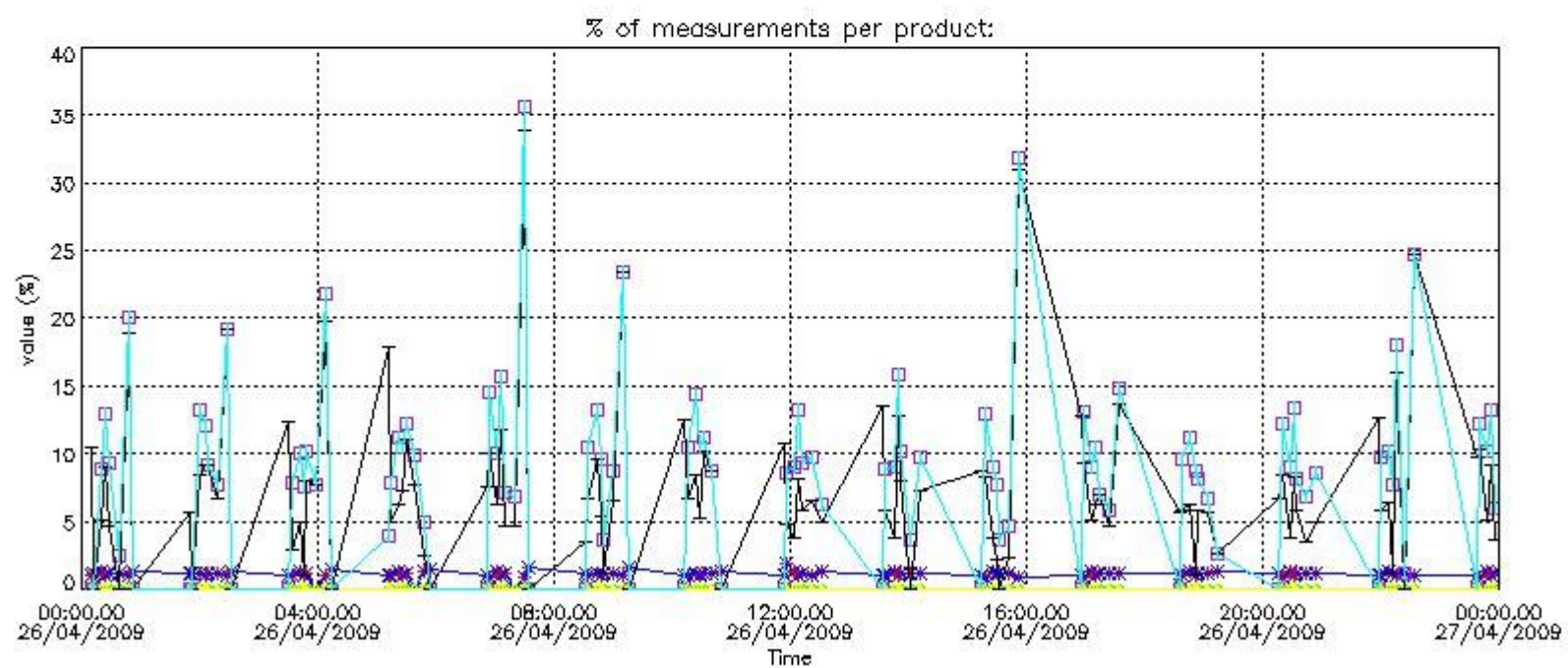
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



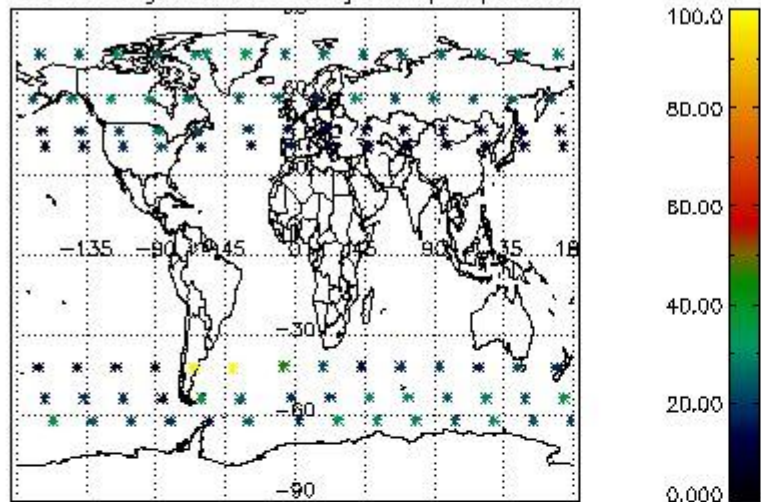
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



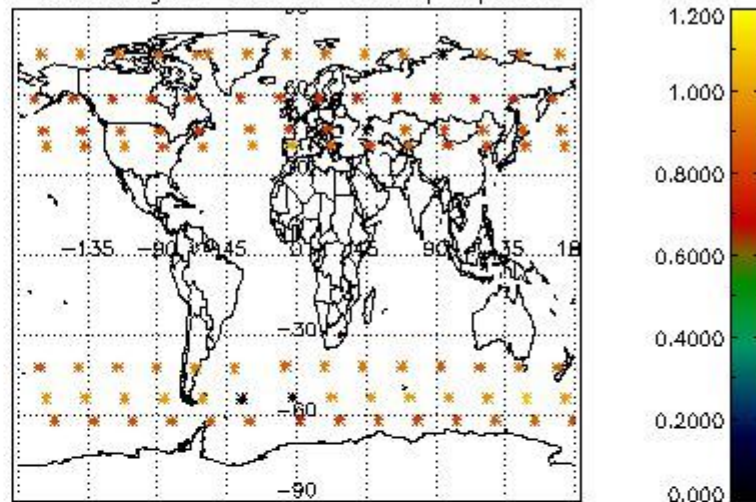
4.2 Plot quality information per product coming from level 1b processing (world map)

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

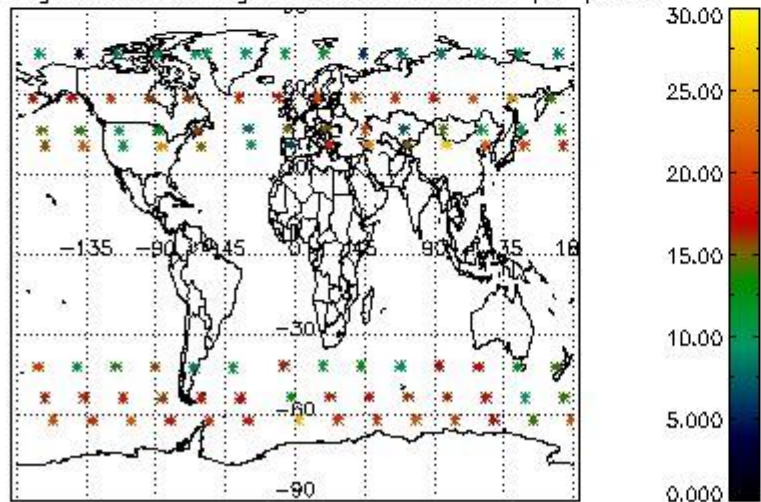
Percentage of cosmic ray hits per profile



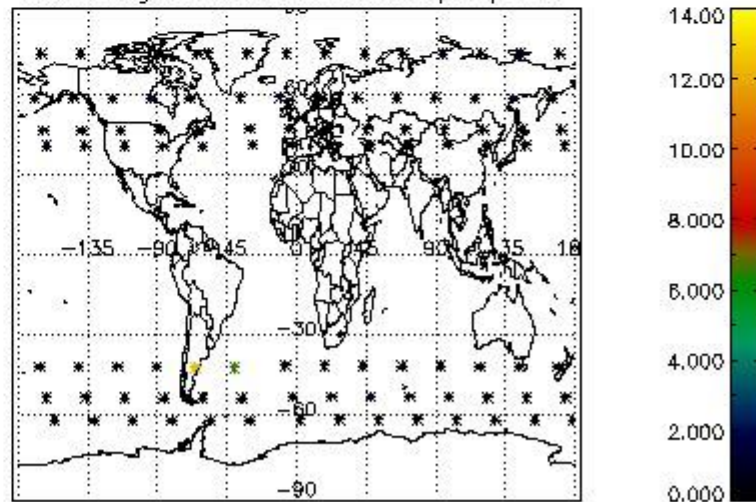
Percentage of datation errors per profile



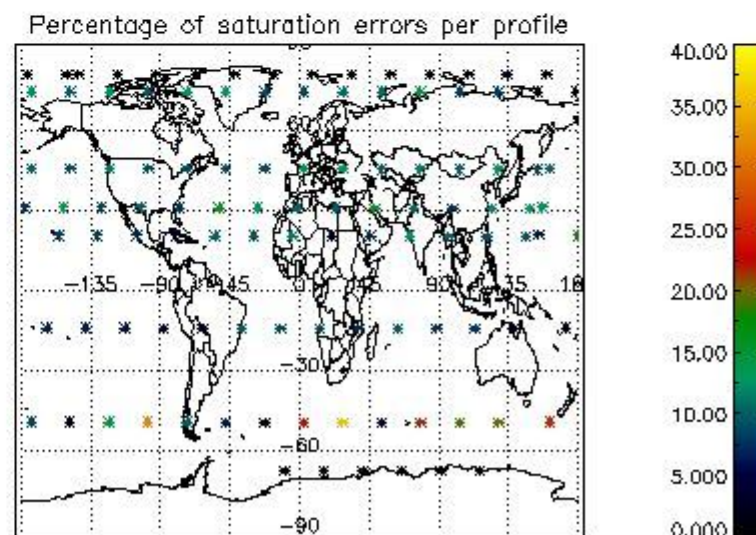
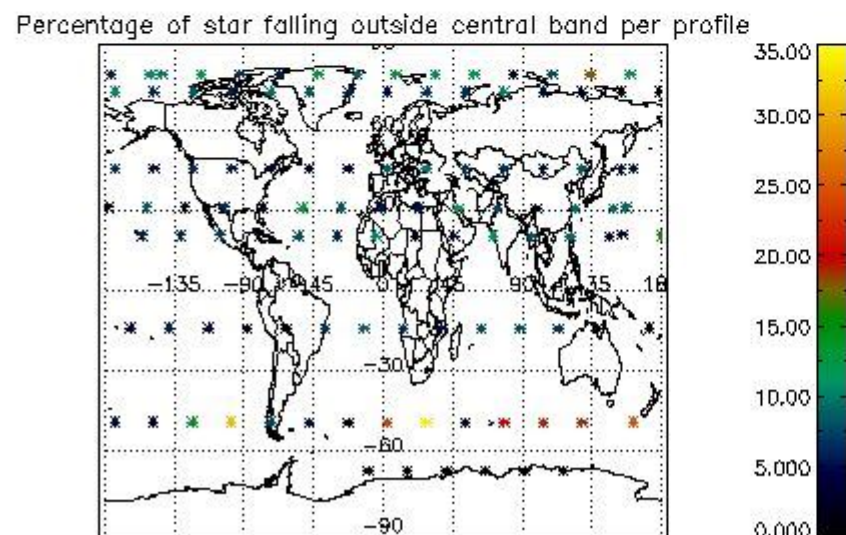
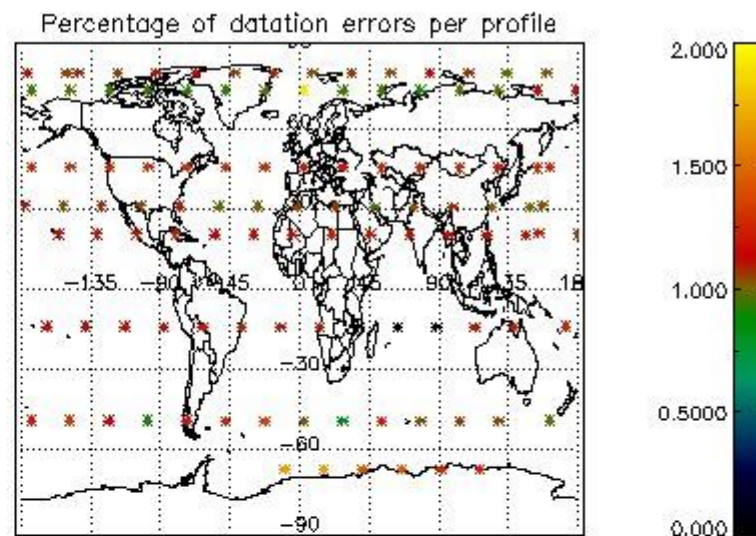
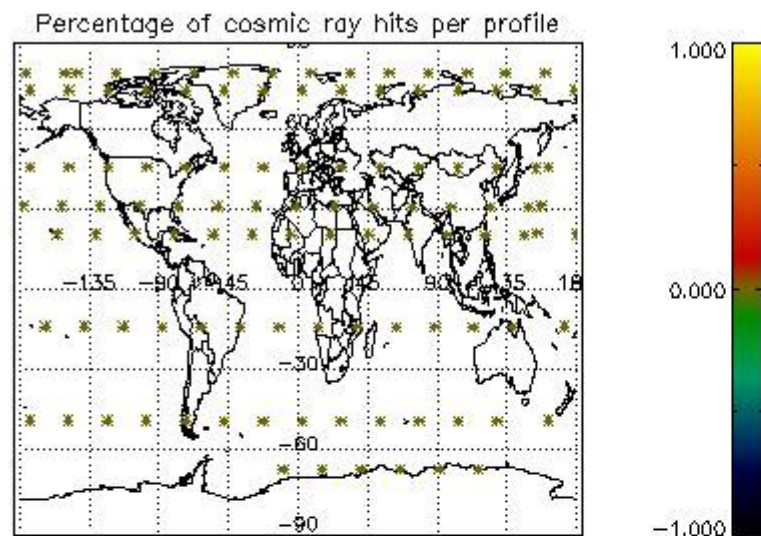
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

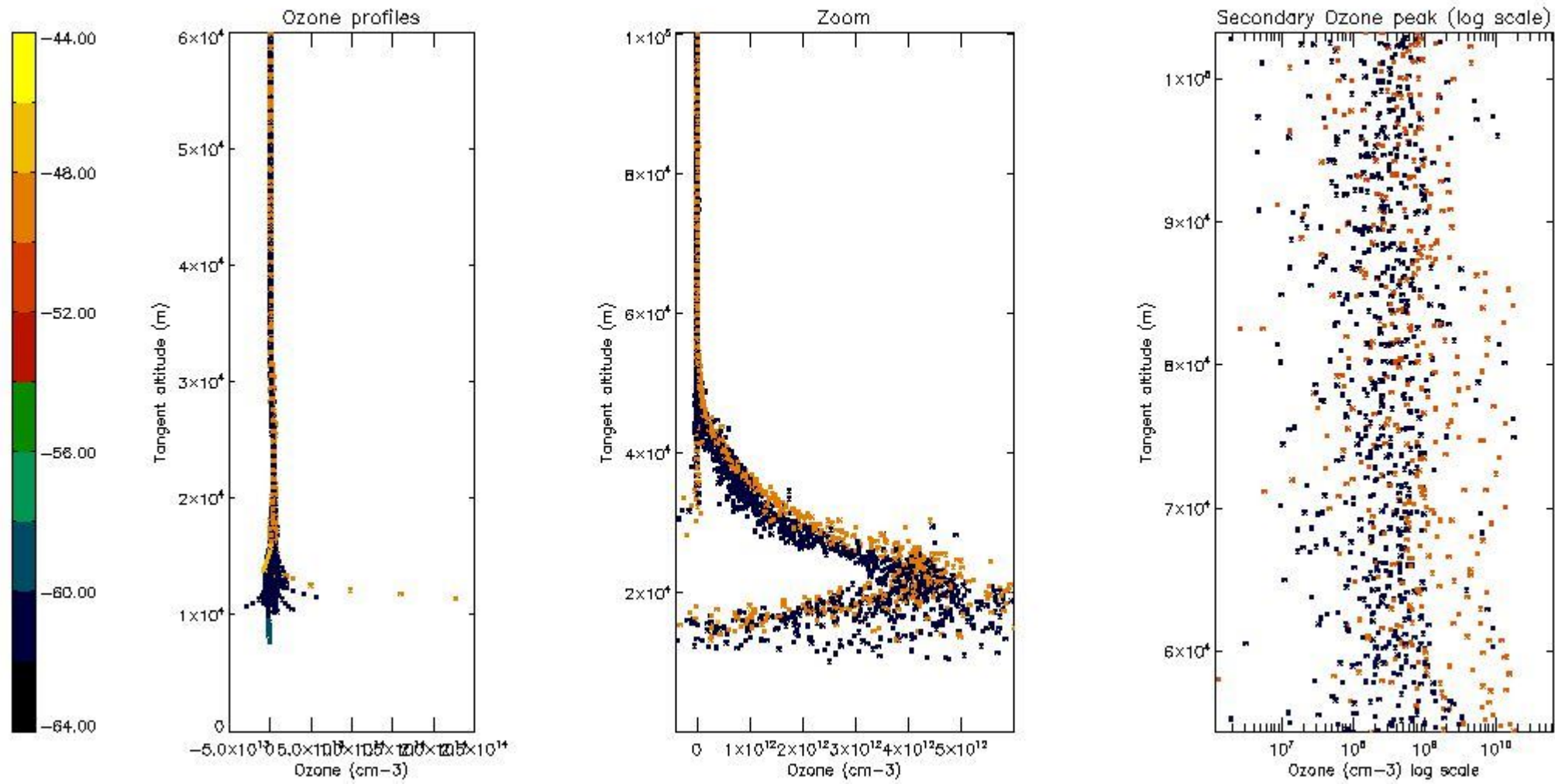
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	5

STD < 10	2
STD < 5	0

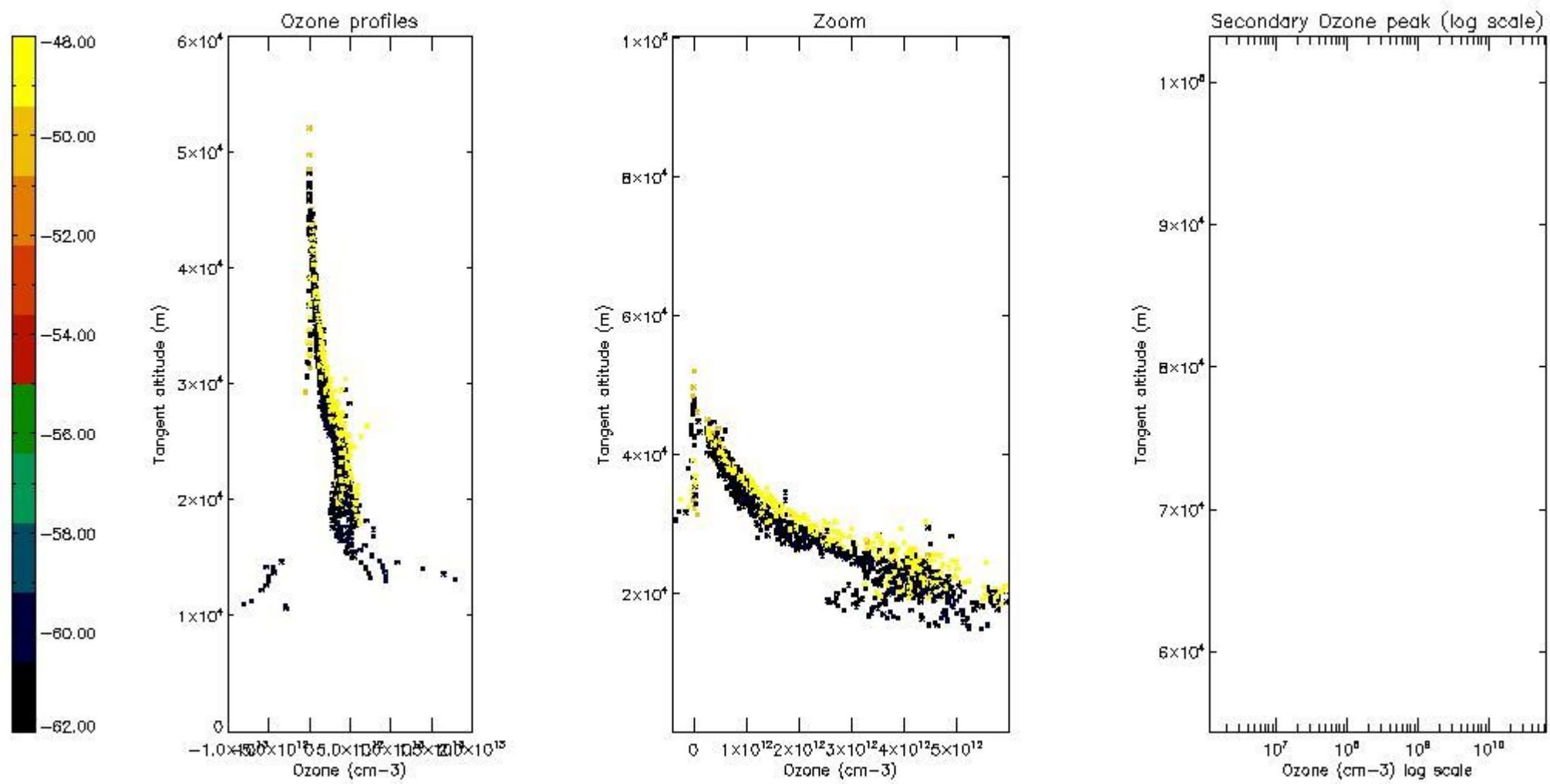
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



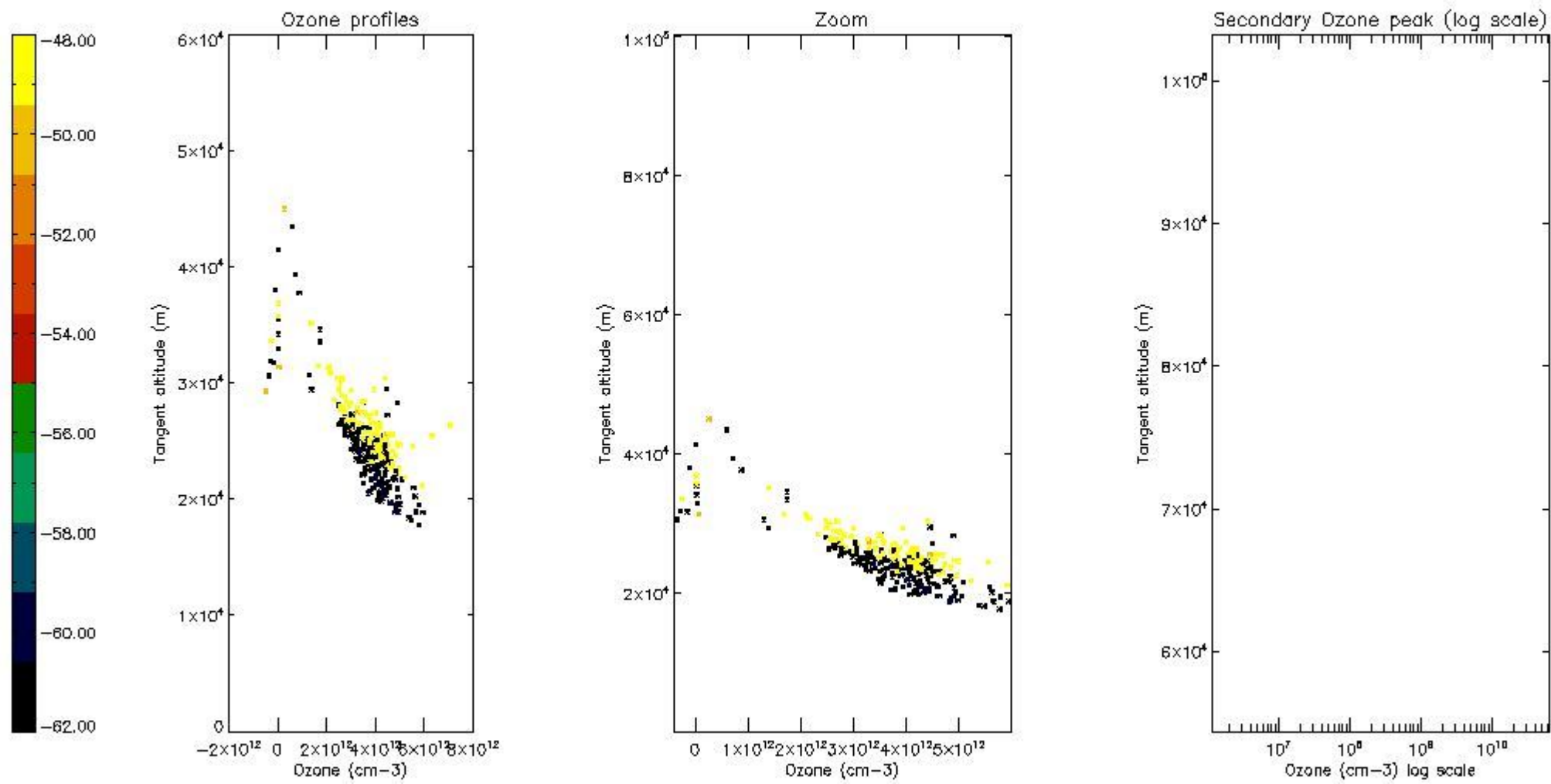
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



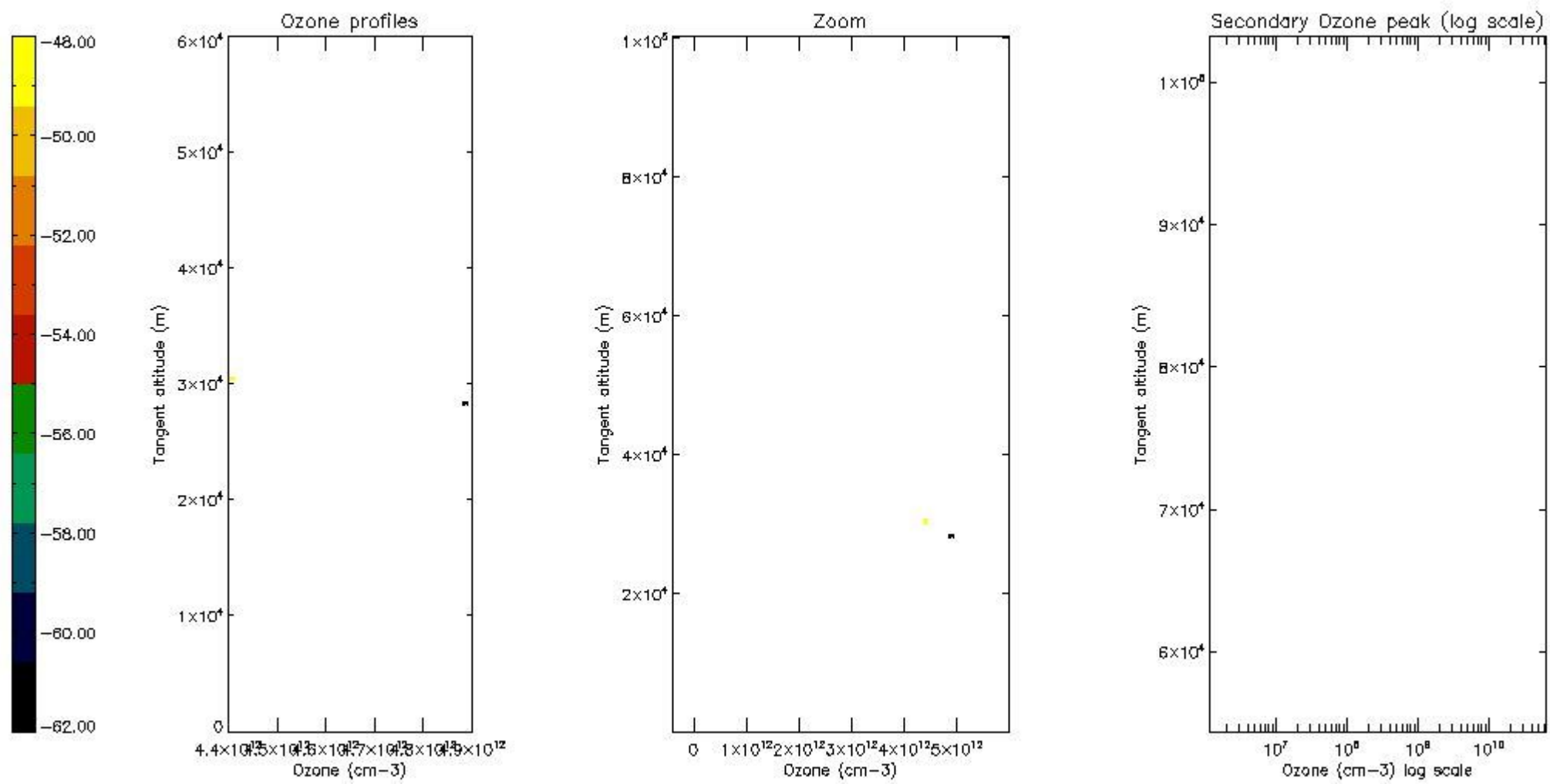
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



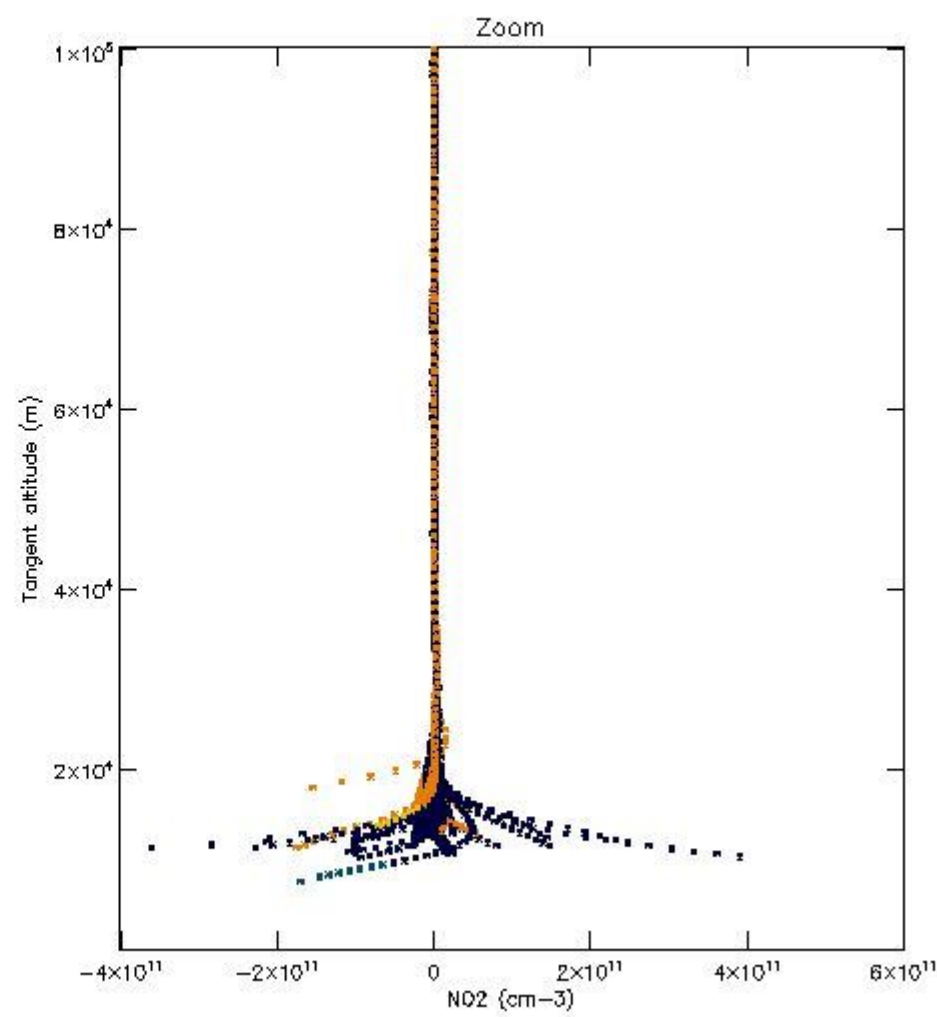
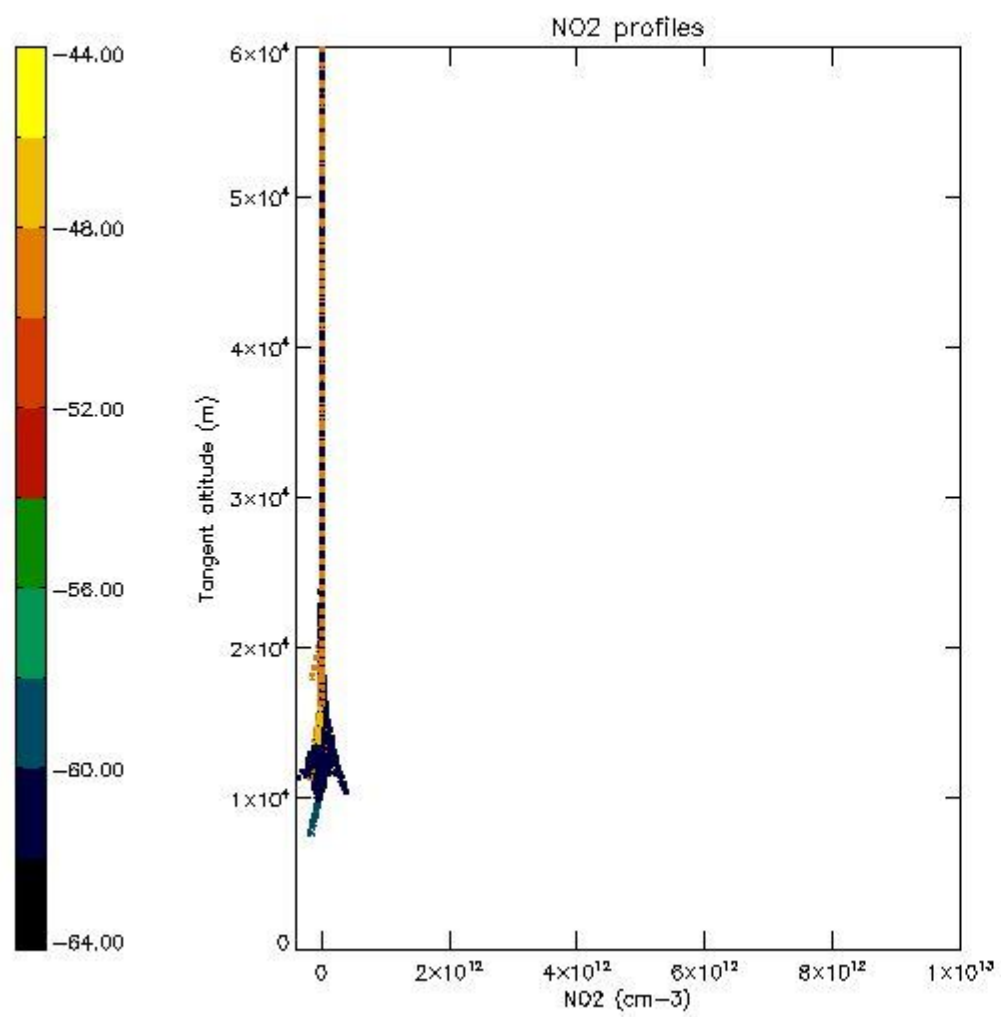
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



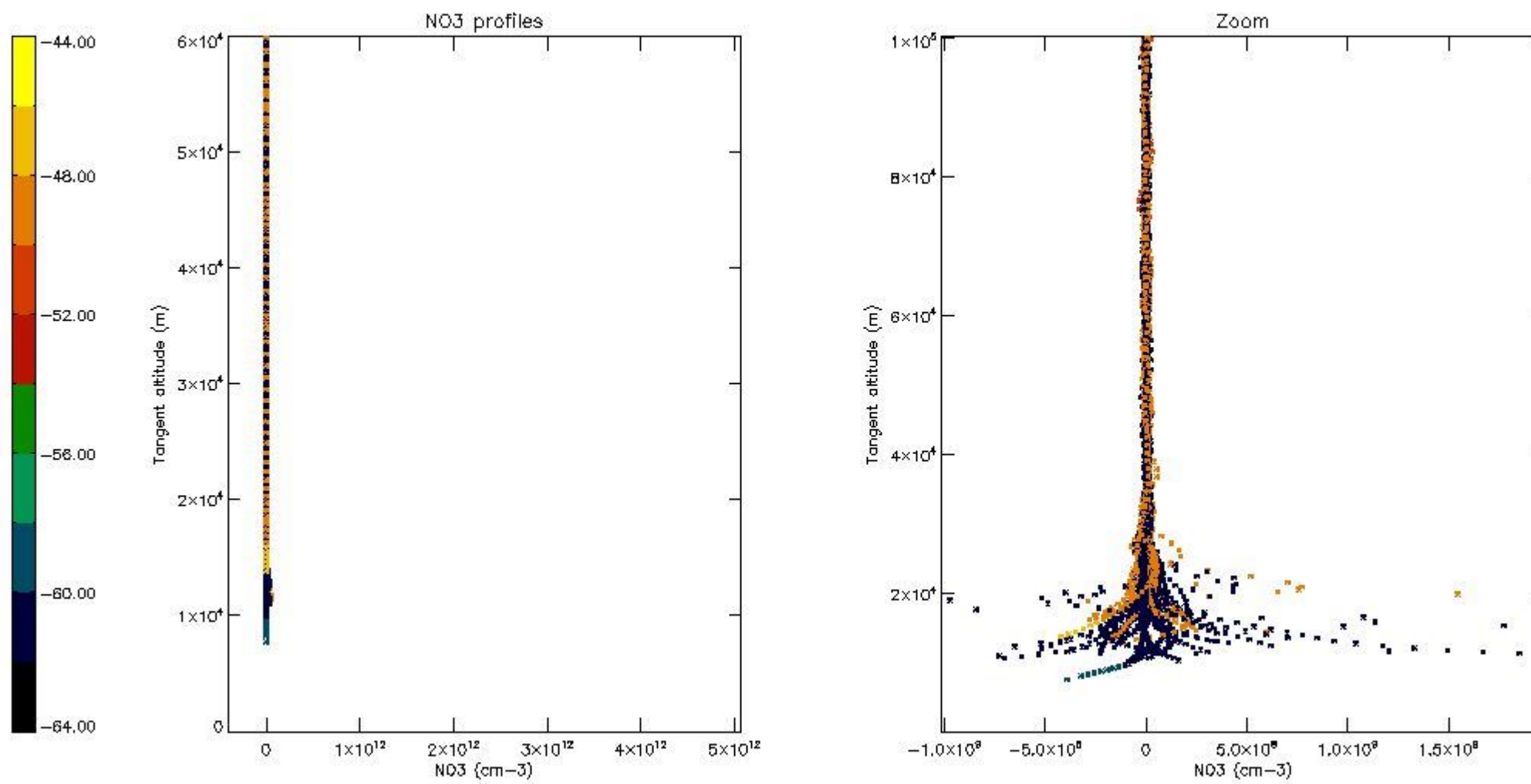
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

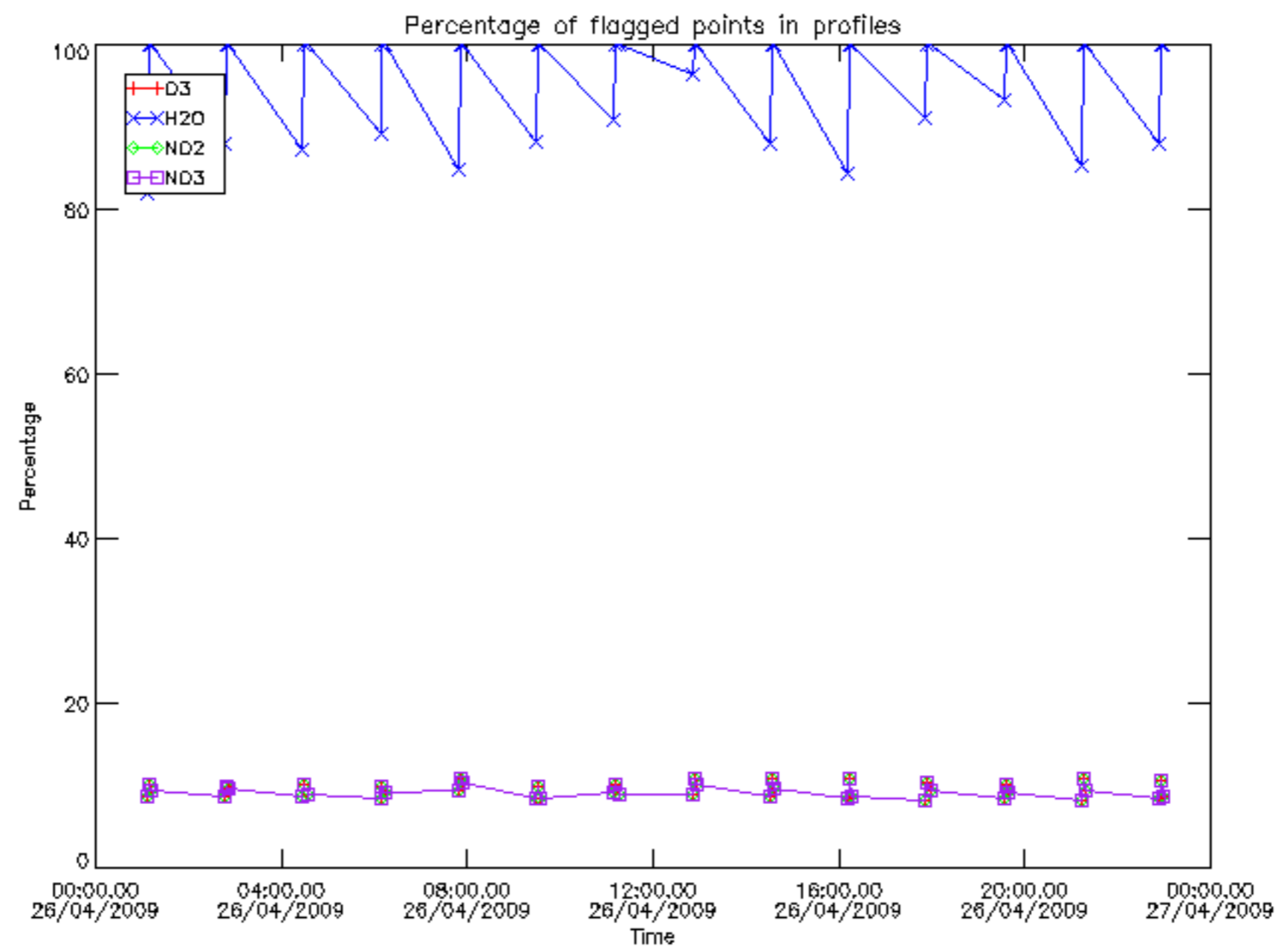
The colorbar represents the latitude.



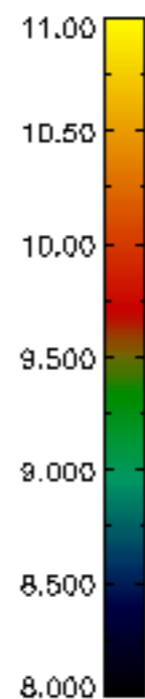
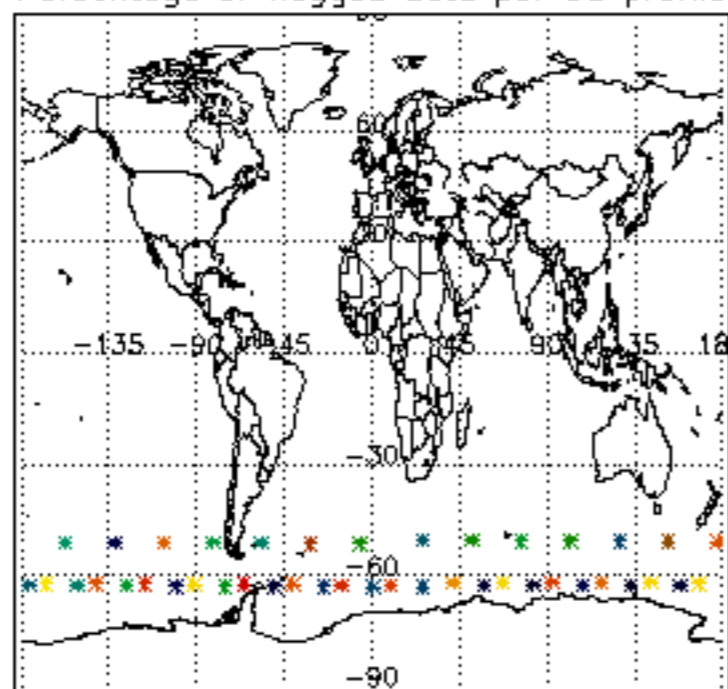
6. Auxiliary Data Files used for the production reported in section 2

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.

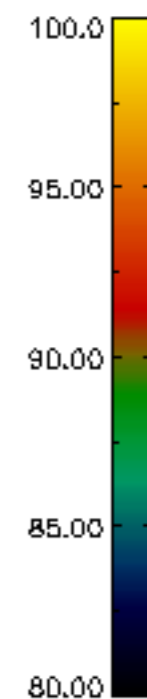
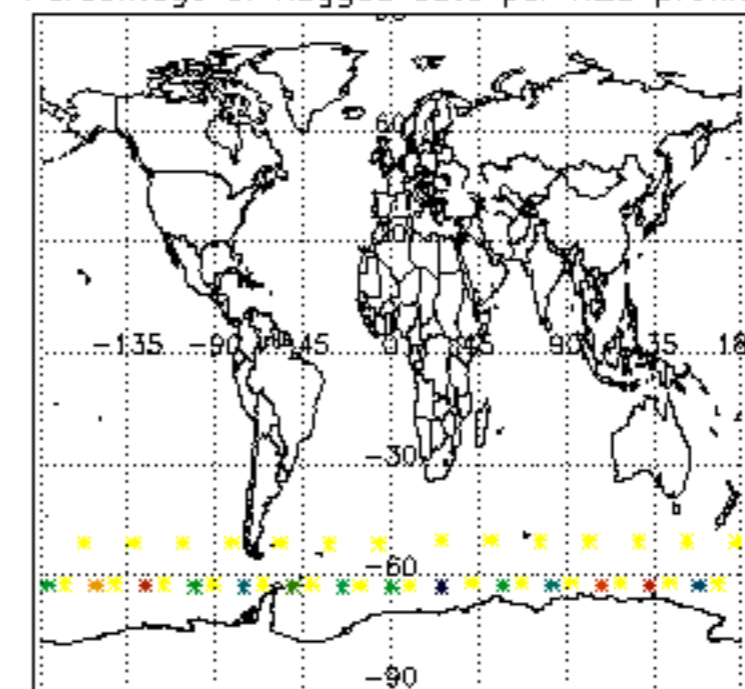
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-APR-2009 00:04:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-APR-2009 00:04:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-APR-2009 00:04:27



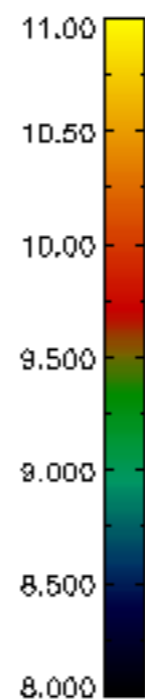
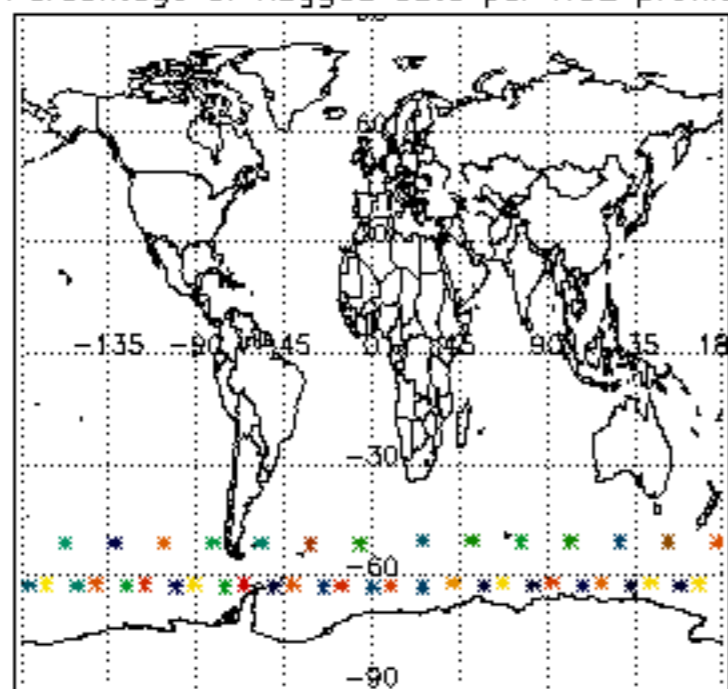
Percentage of flagged data per D3 profile



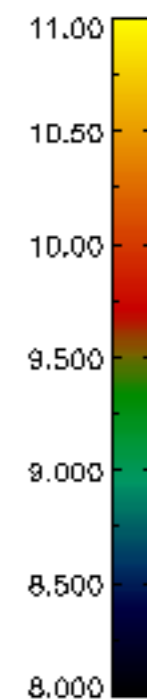
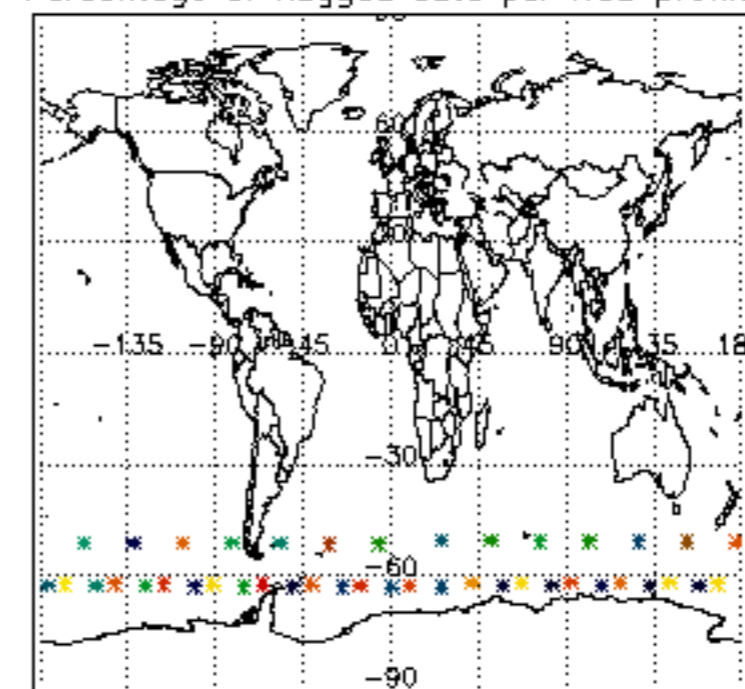
Percentage of flagged data per H2O profile

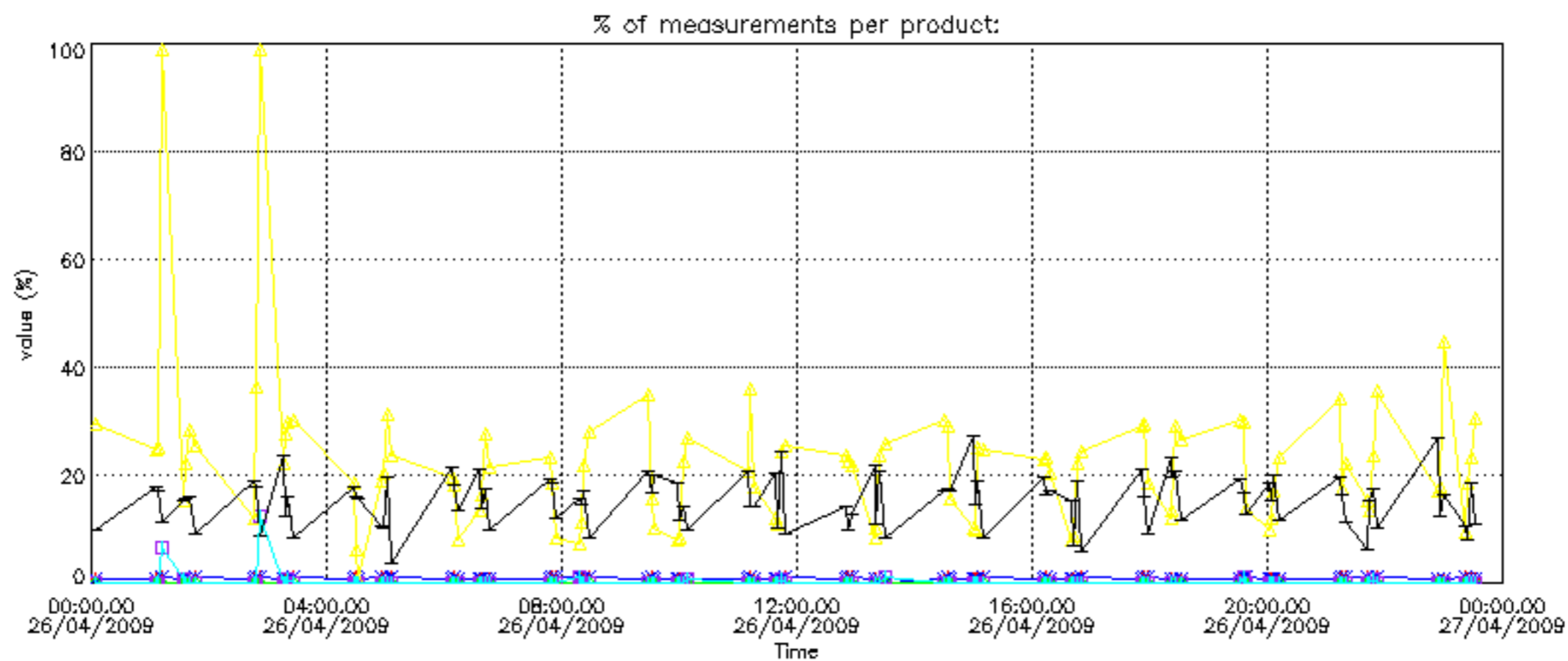


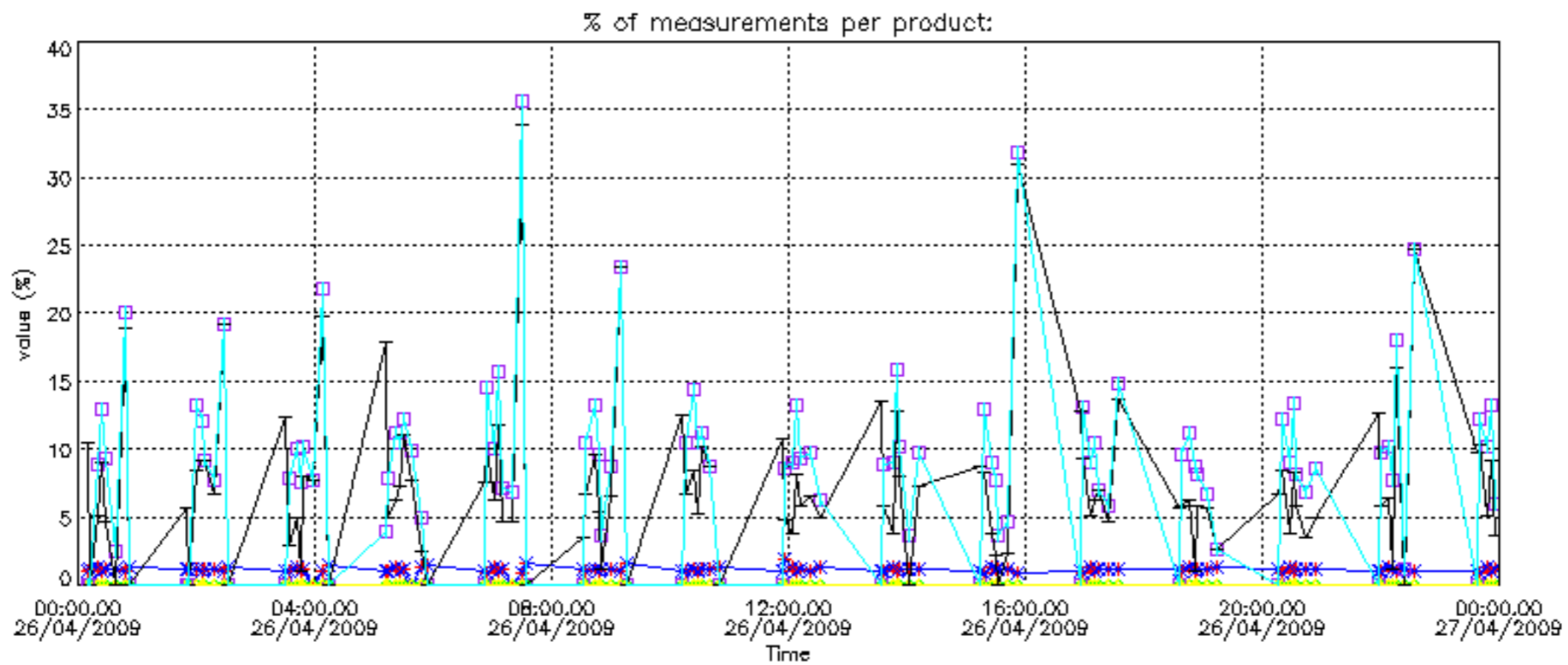
Percentage of flagged data per NO2 profile



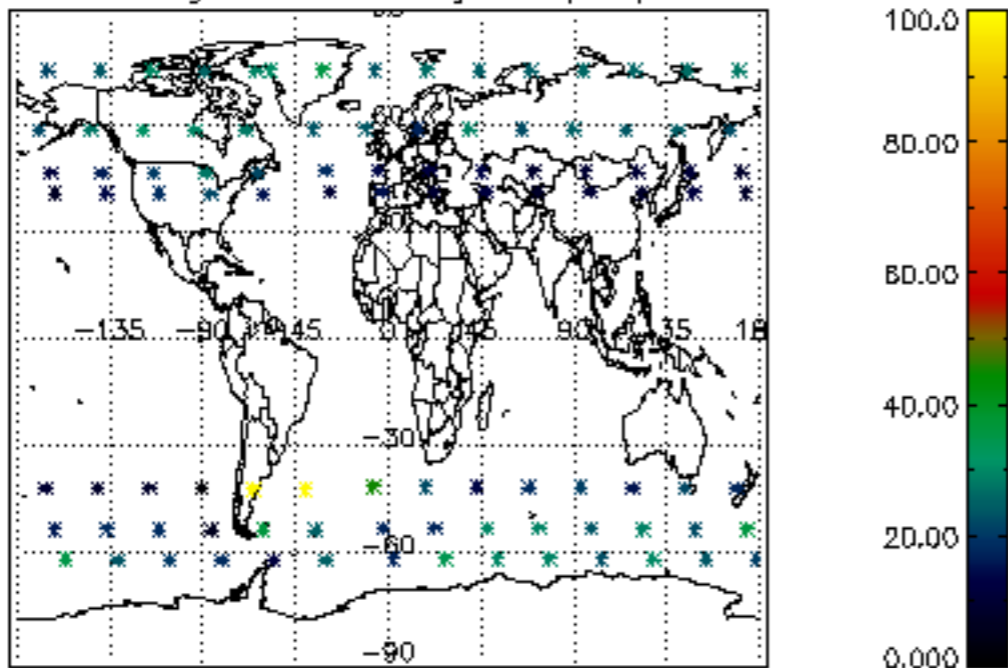
Percentage of flagged data per NO3 profile



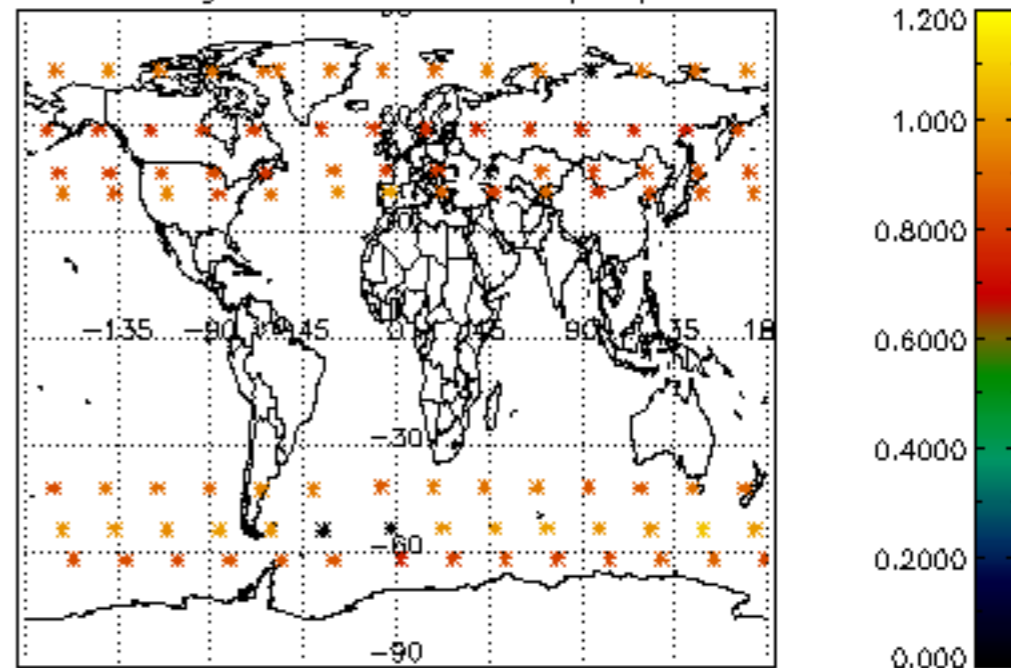




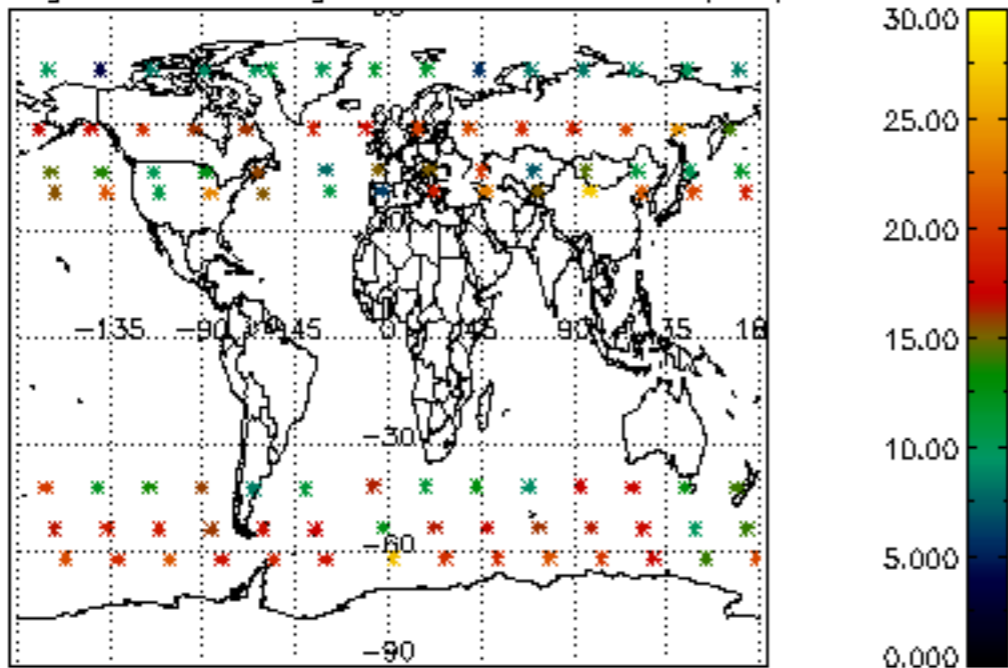
Percentage of cosmic ray hits per profile



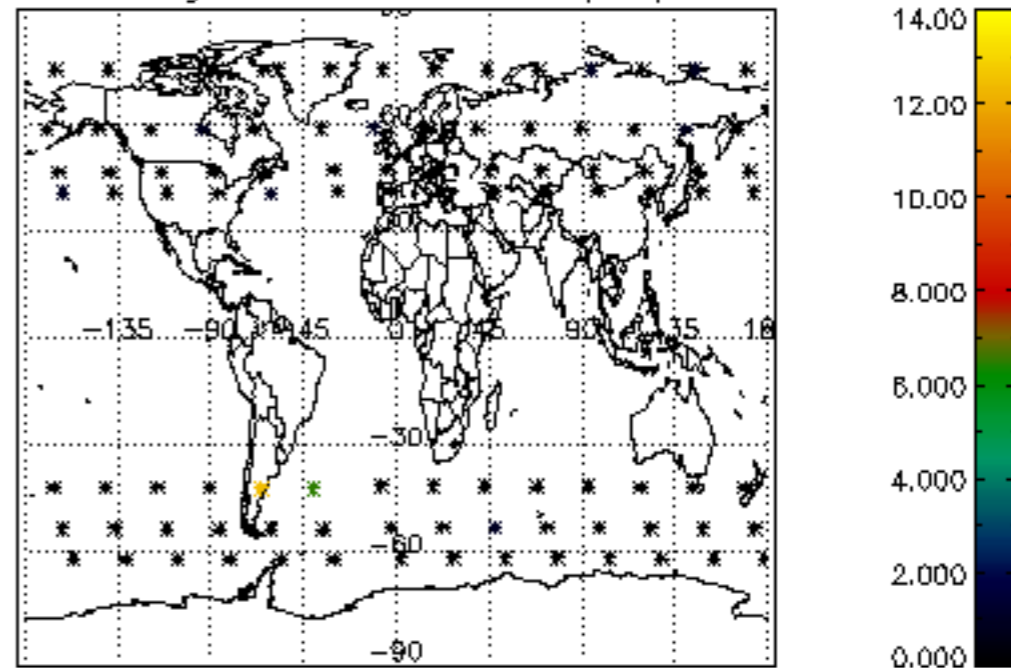
Percentage of datation errors per profile



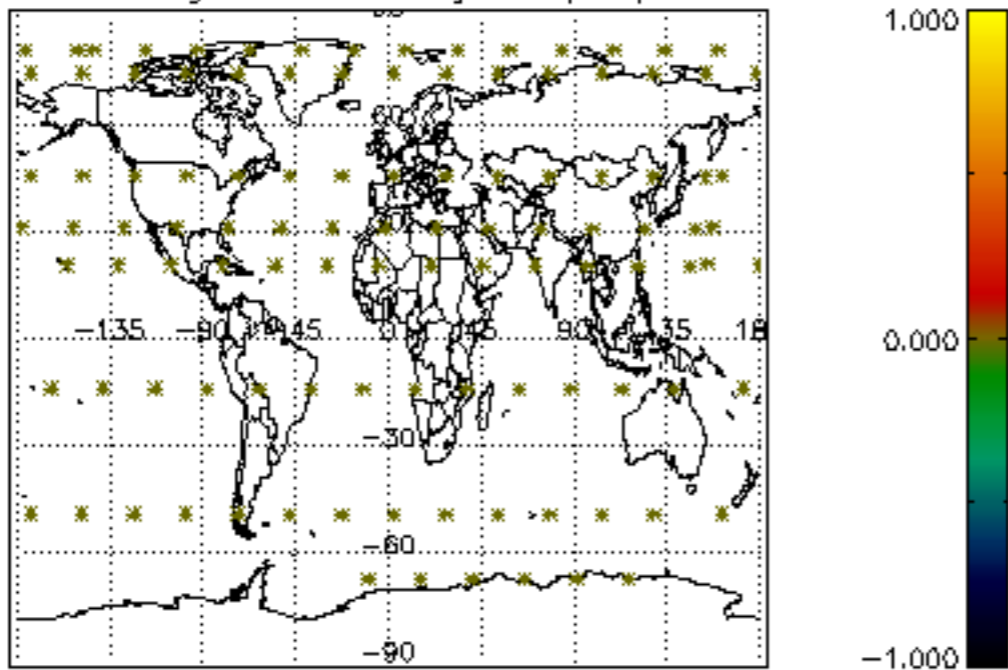
Percentage of star falling outside central band per profile



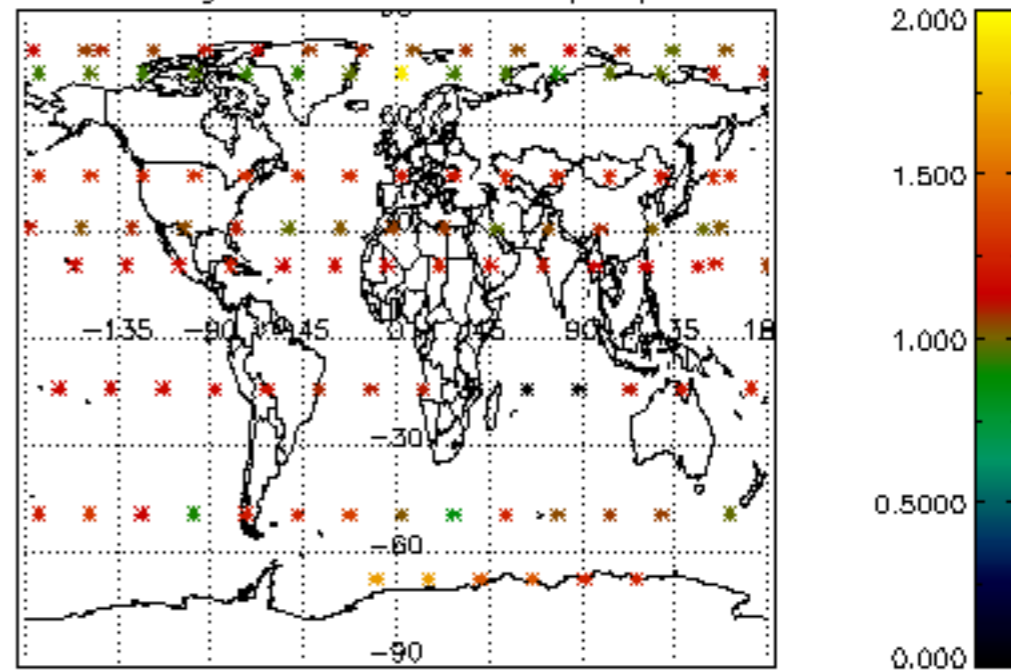
Percentage of saturation errors per profile



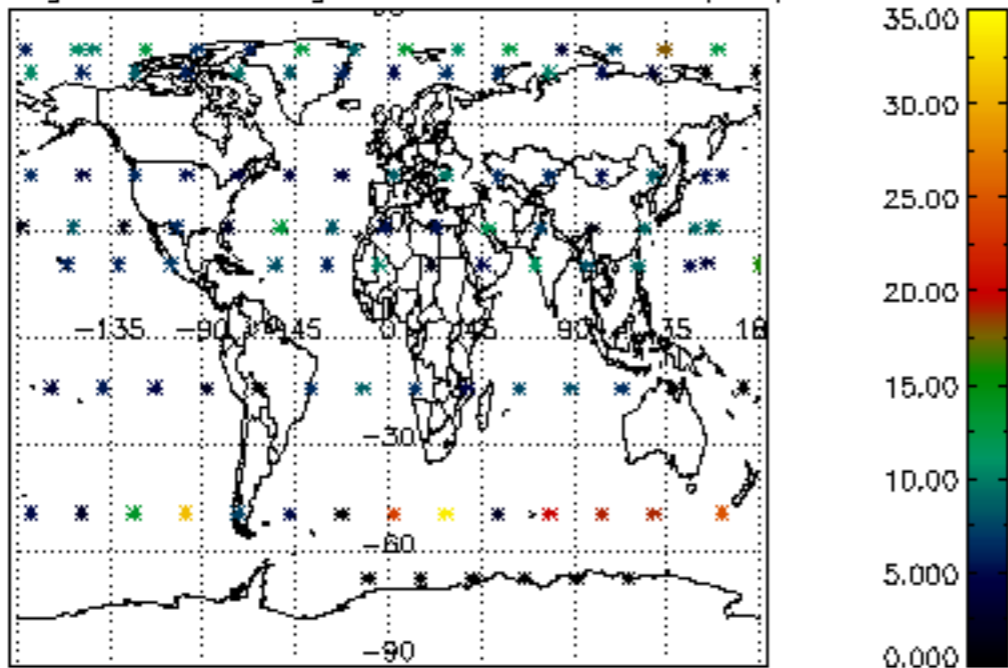
Percentage of cosmic ray hits per profile



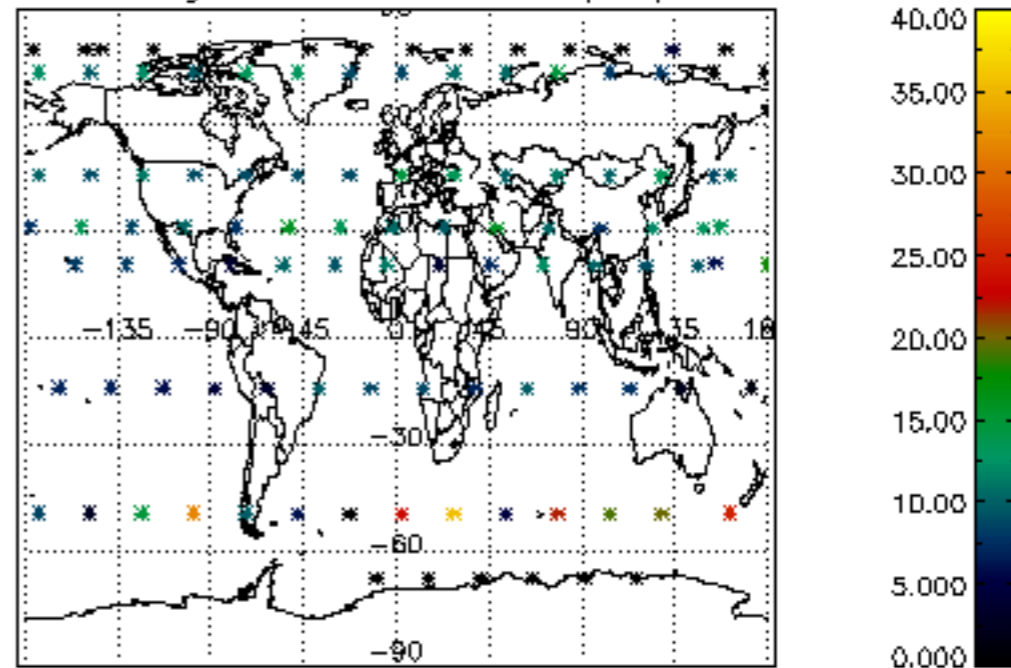
Percentage of datation errors per profile

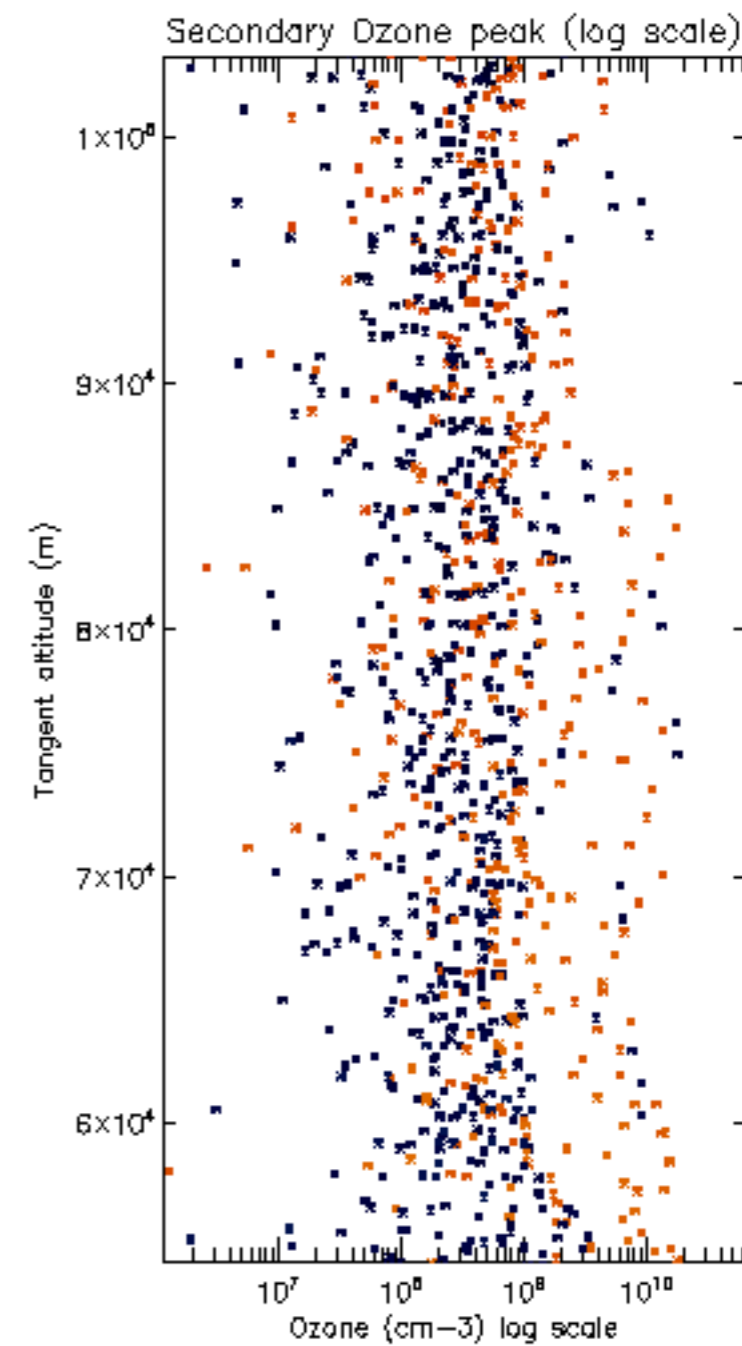
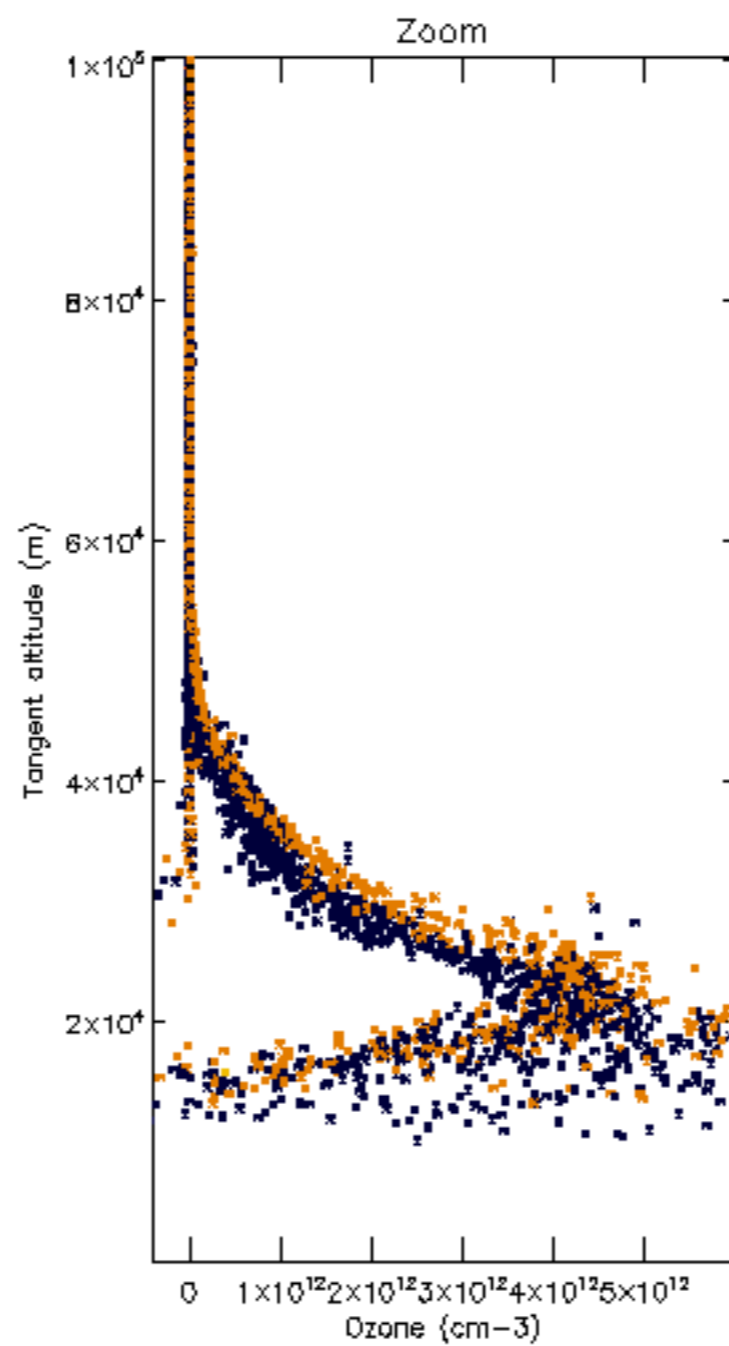
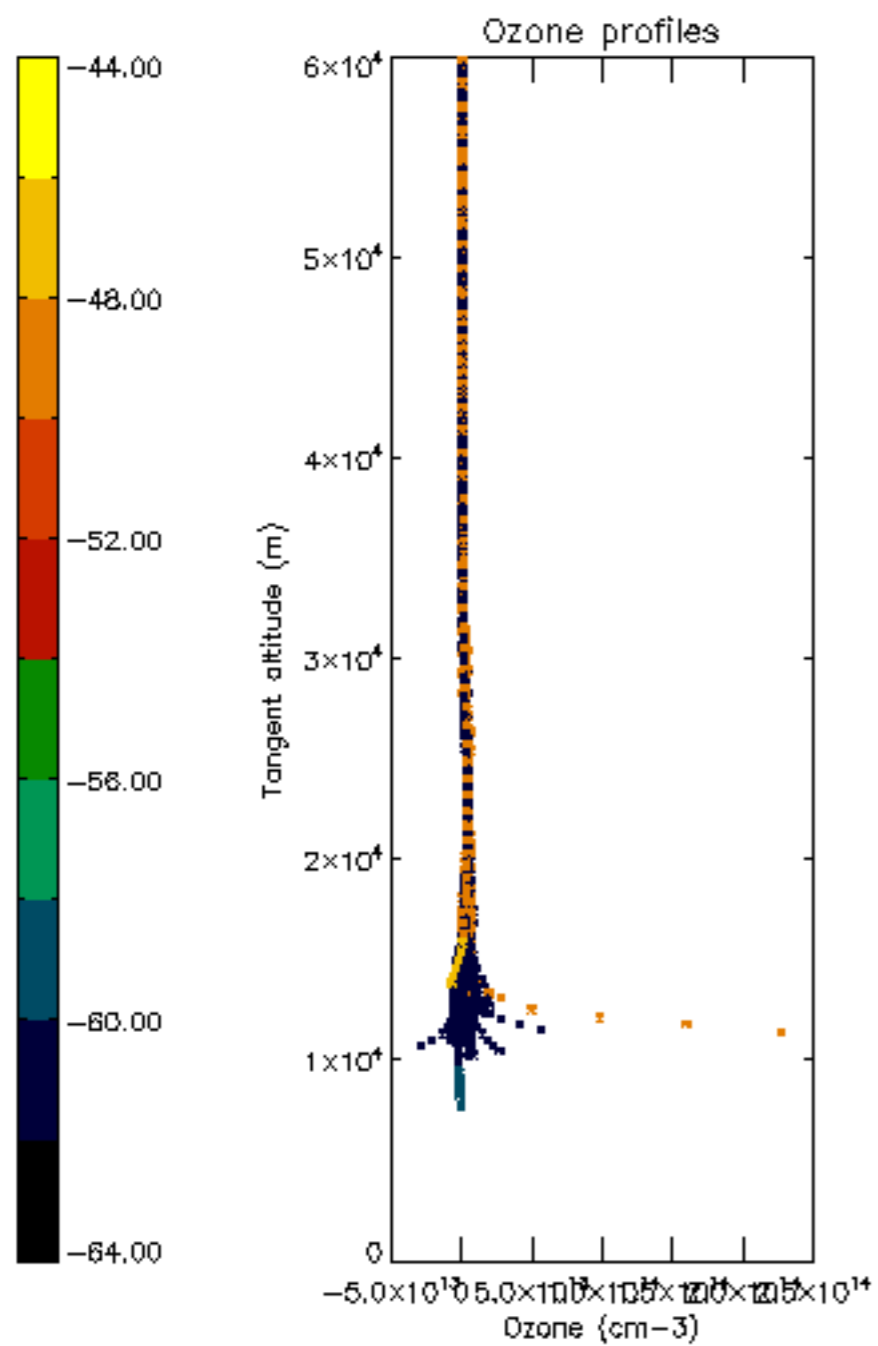


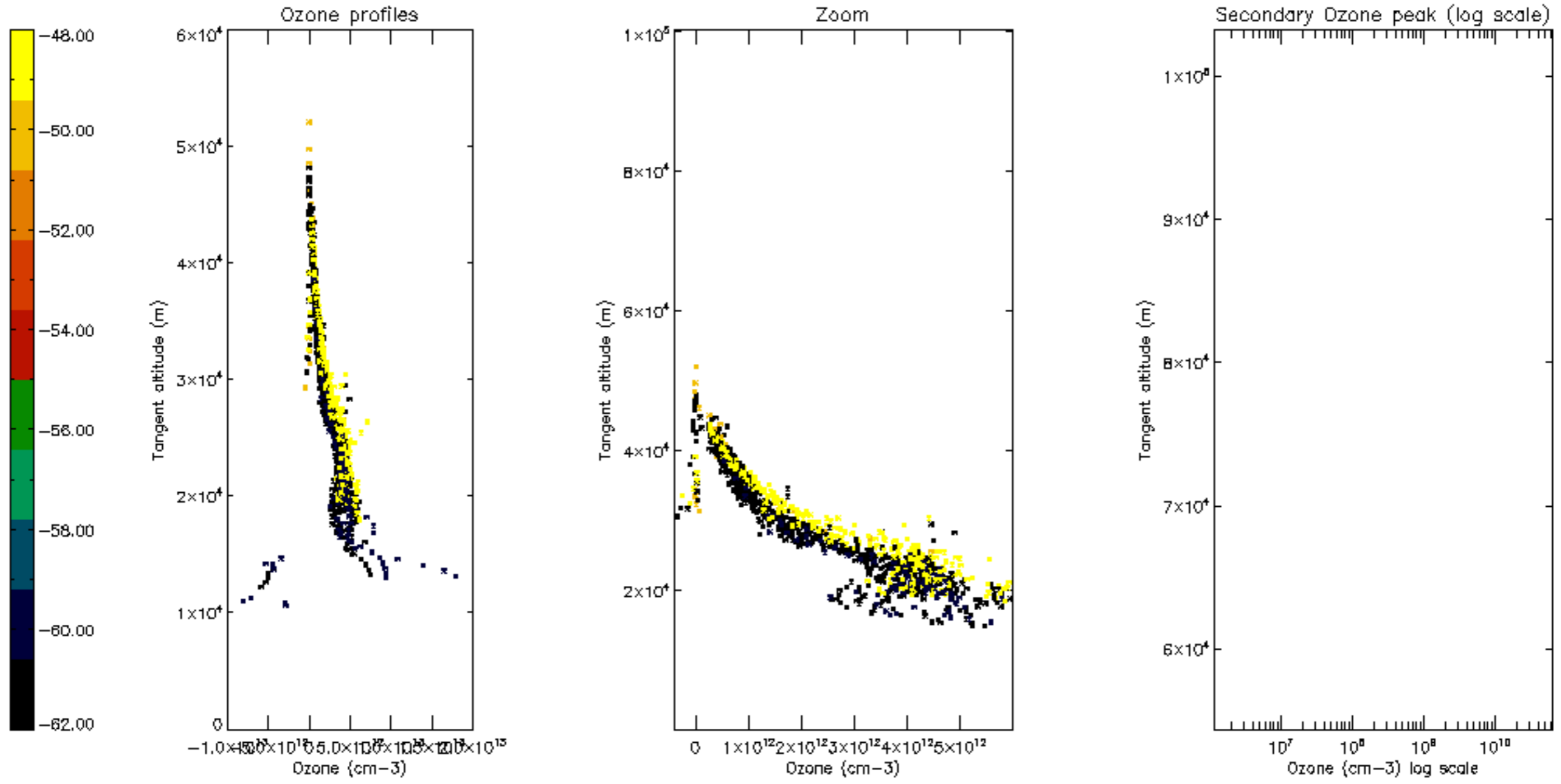
Percentage of star falling outside central band per profile

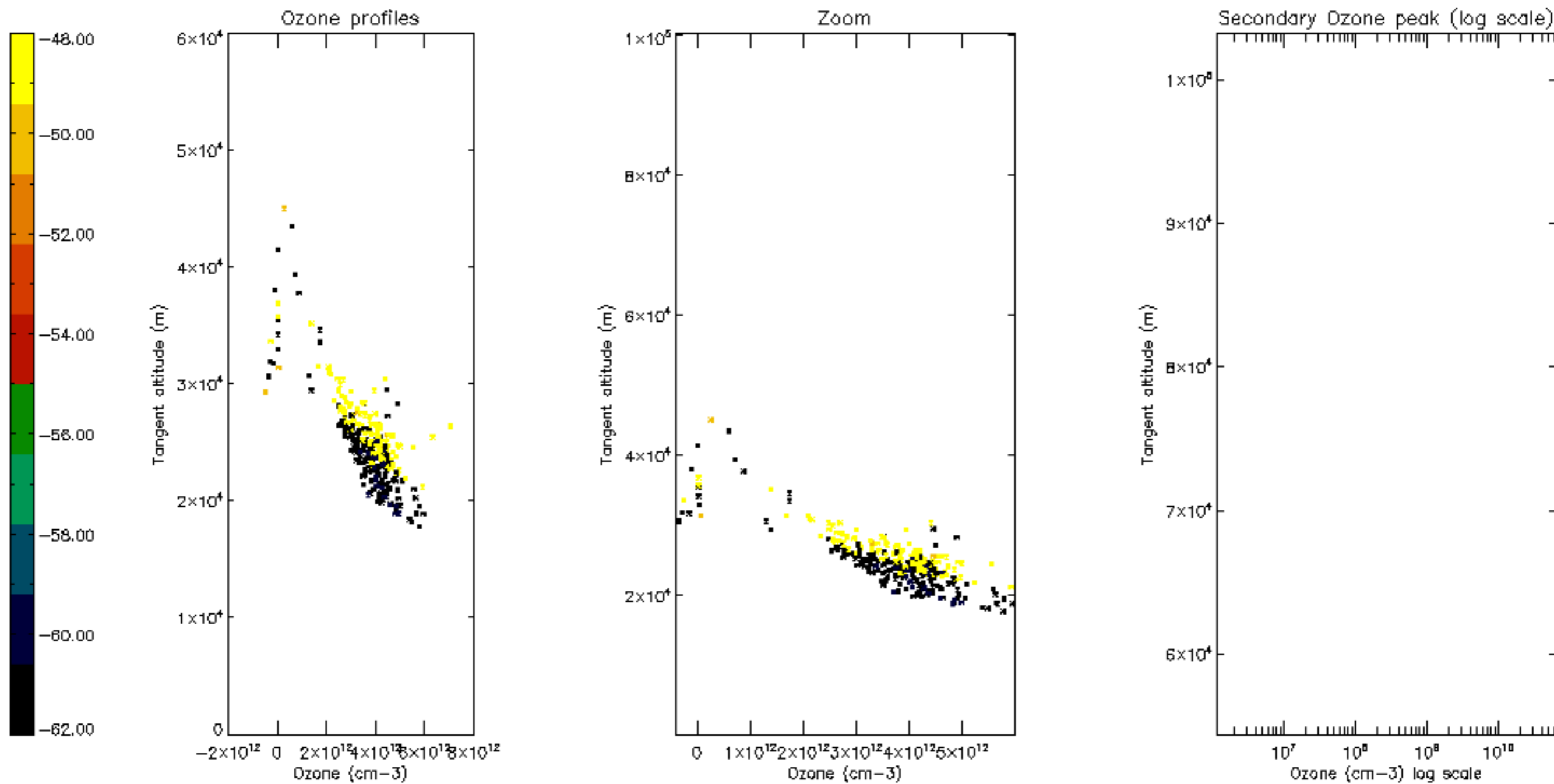


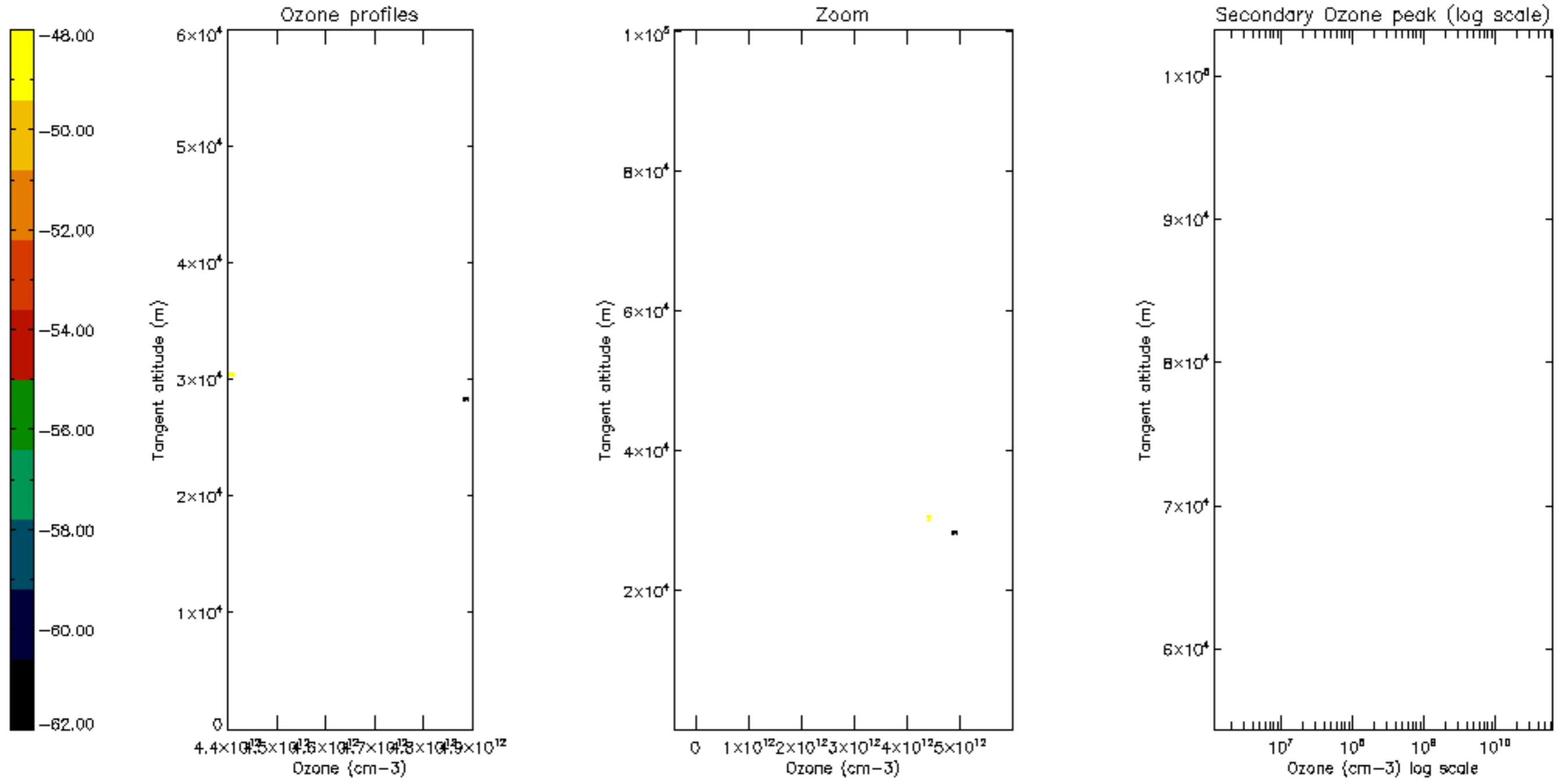
Percentage of saturation errors per profile

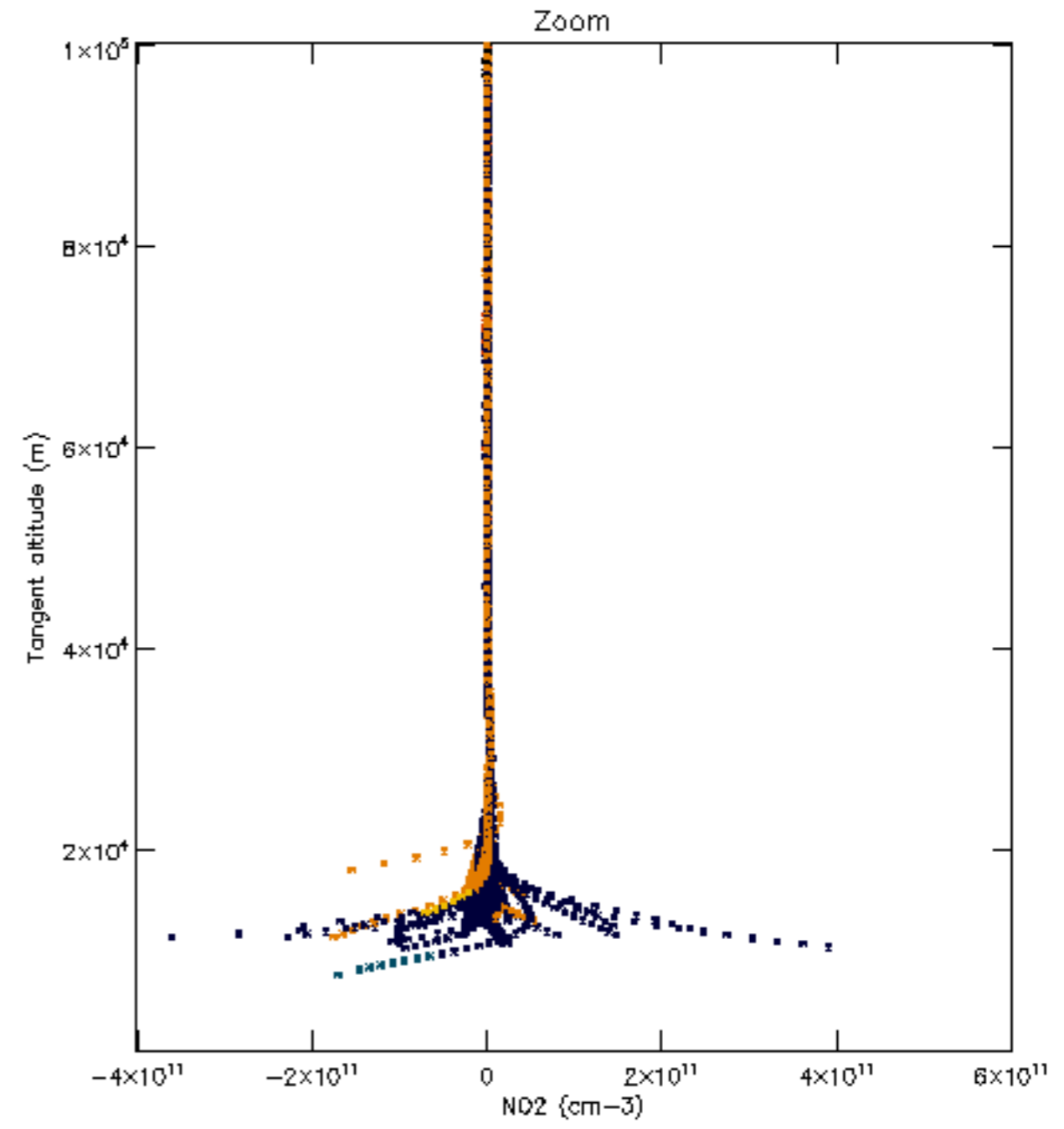
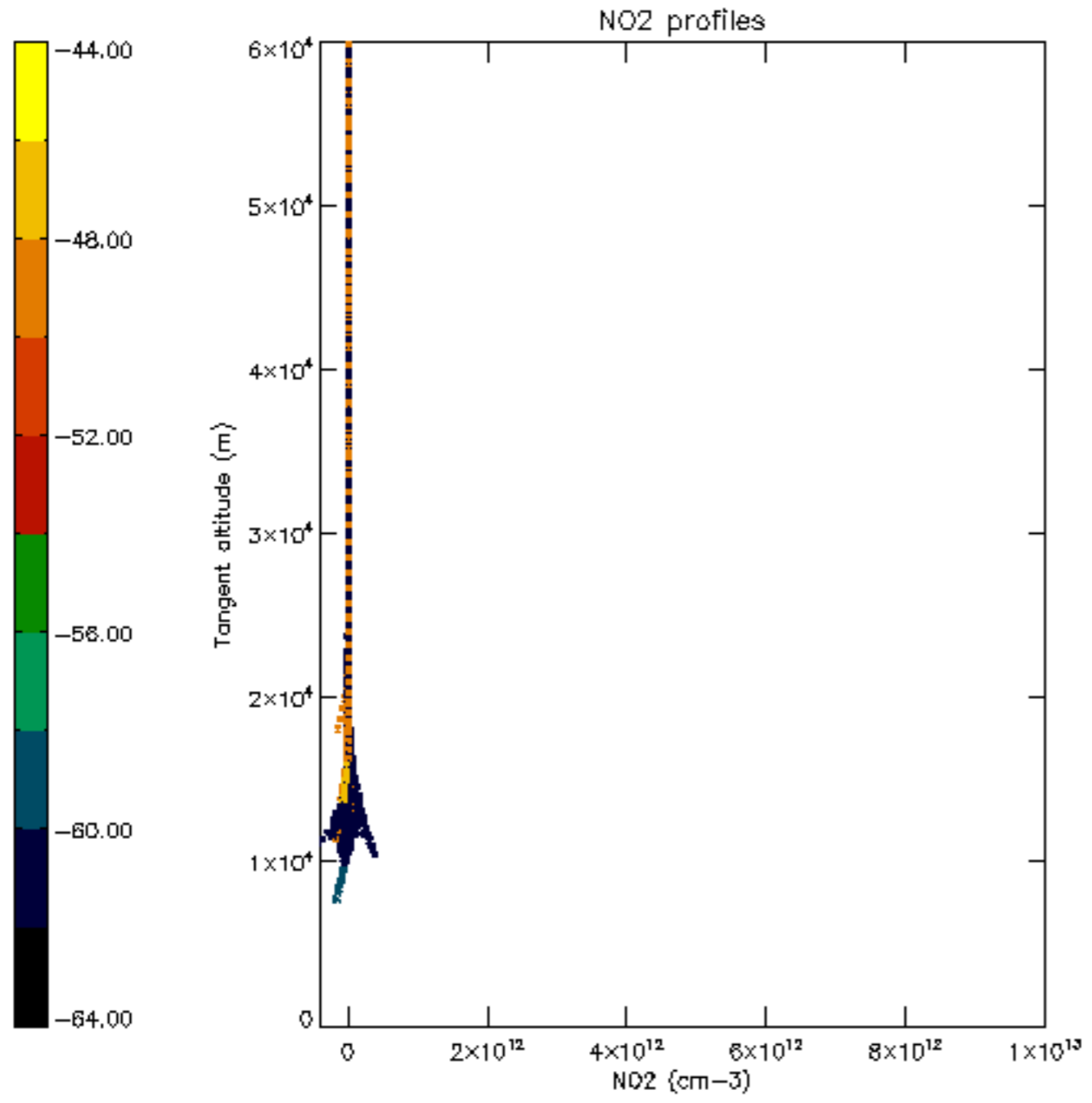


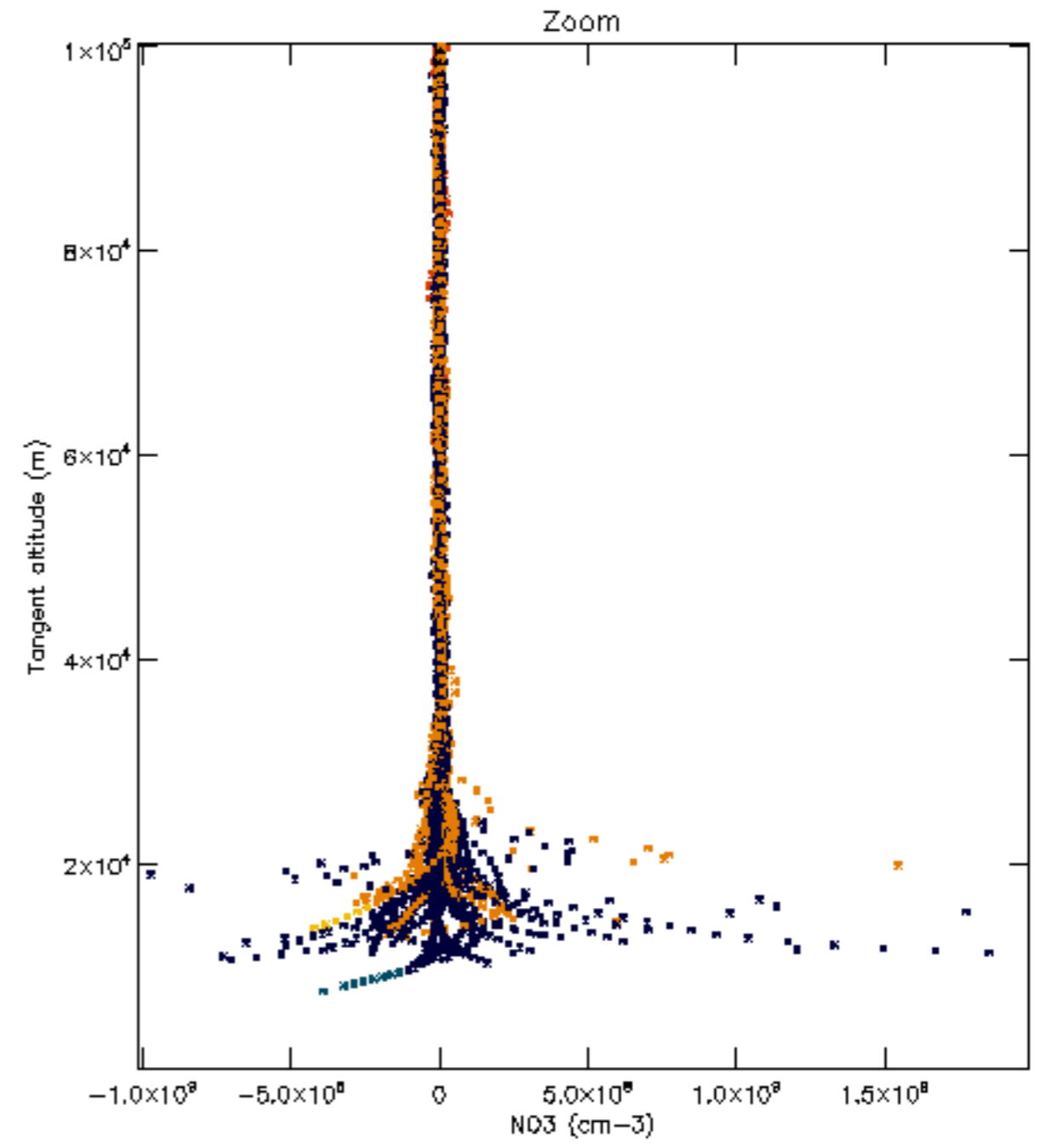
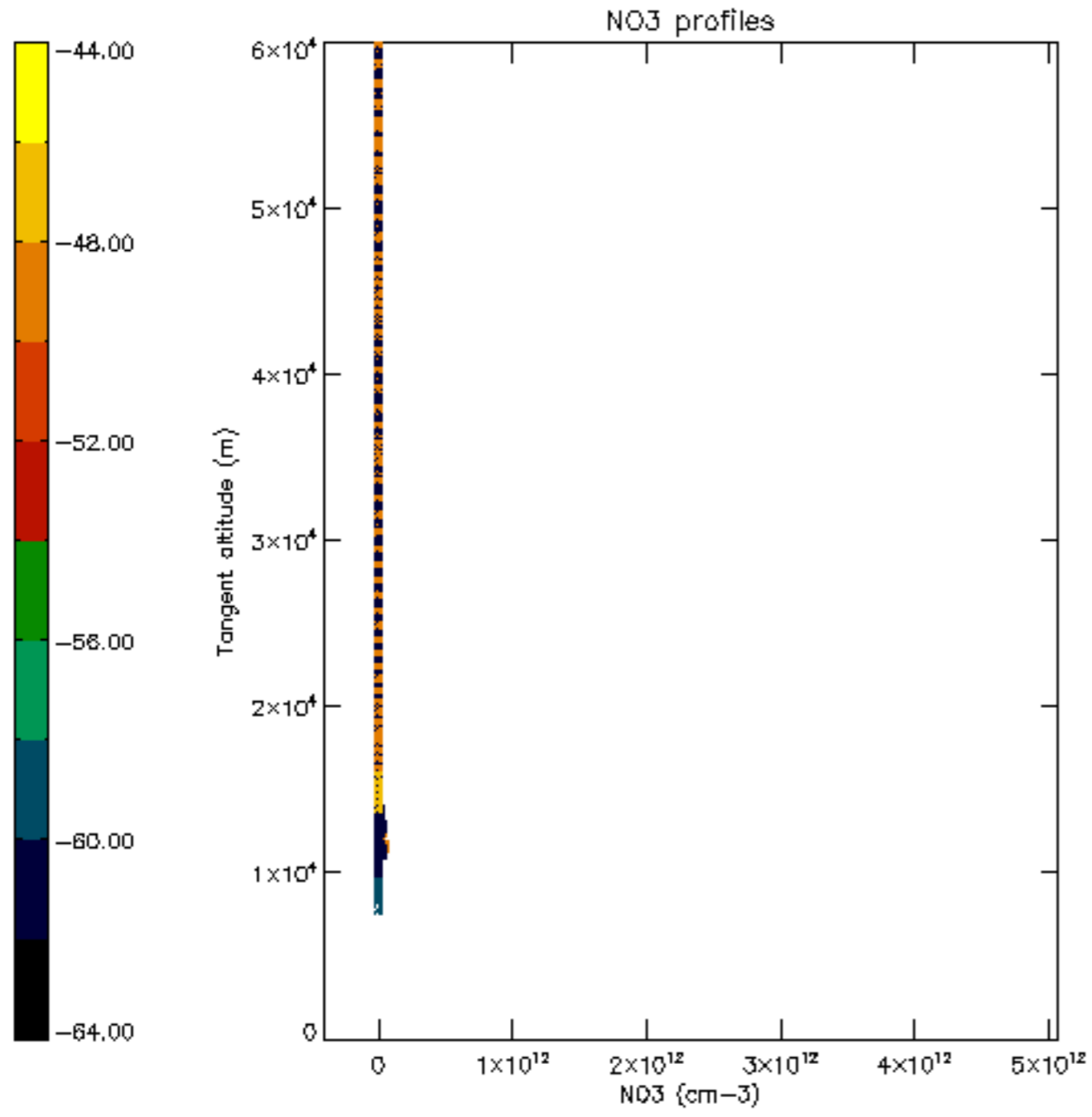


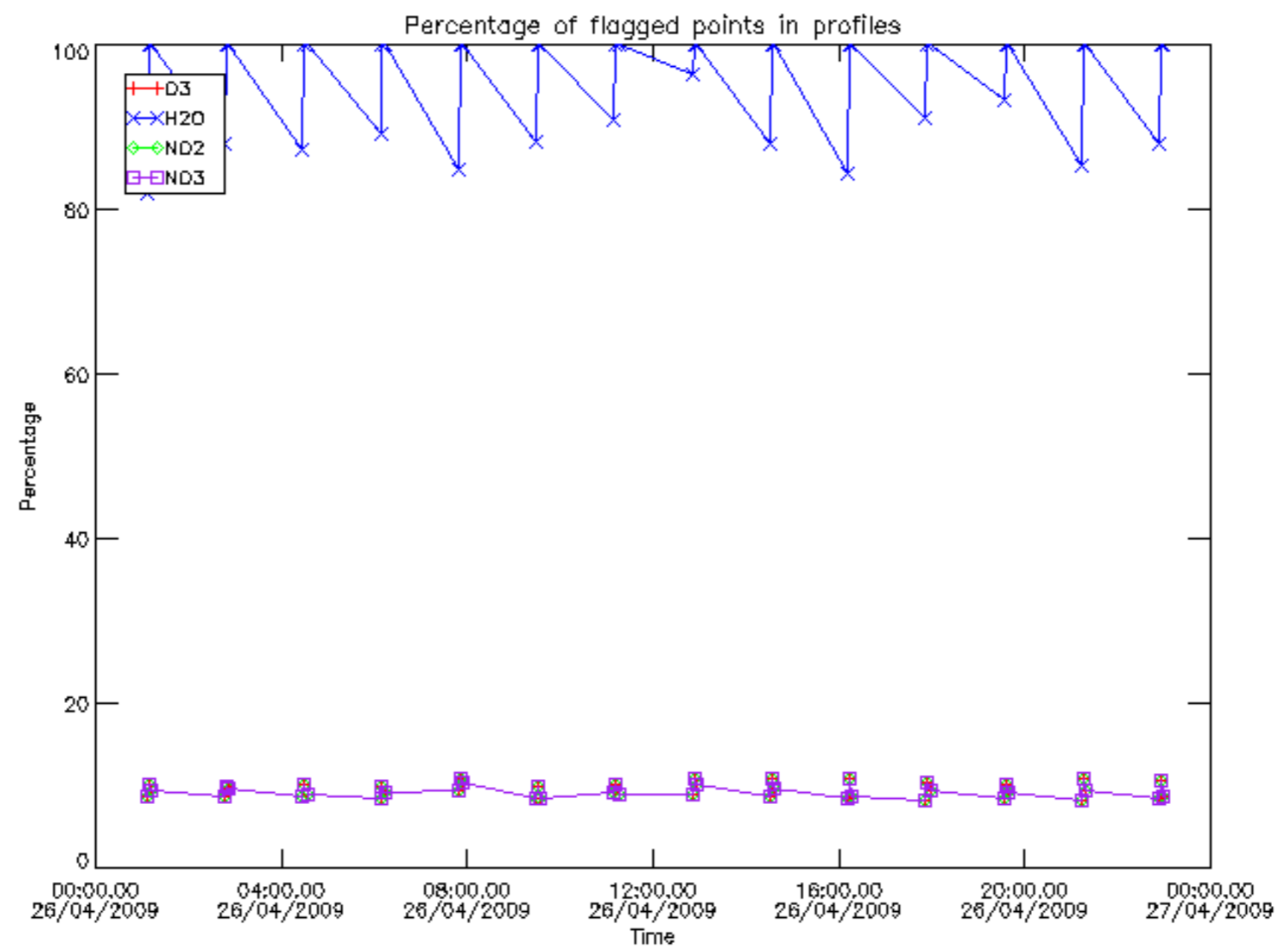




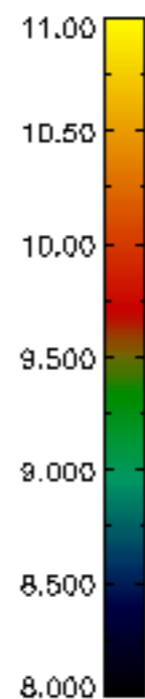
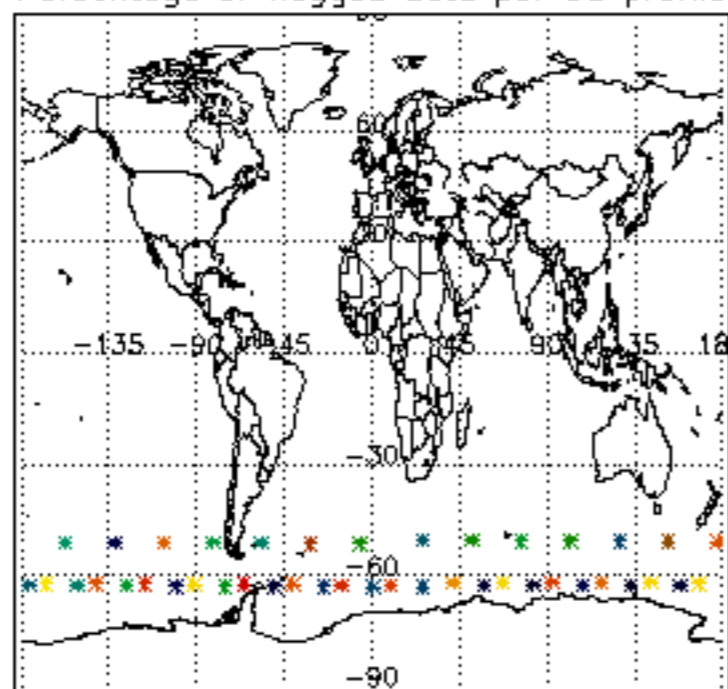




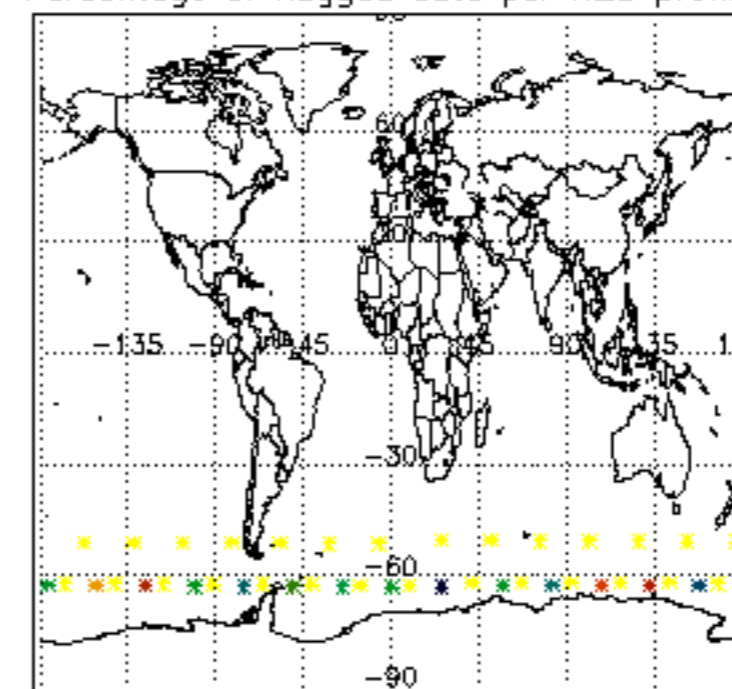




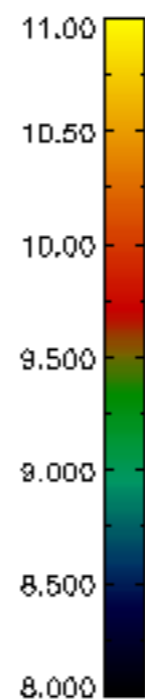
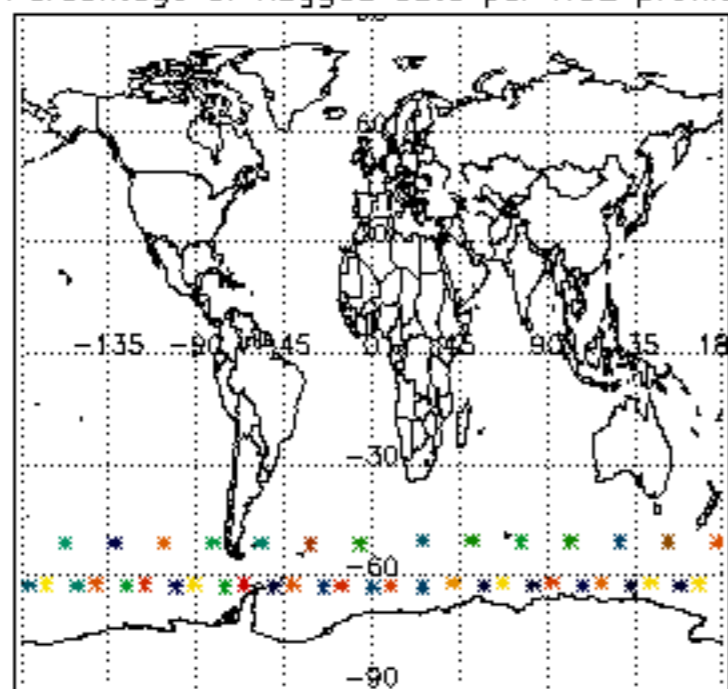
Percentage of flagged data per D3 profile



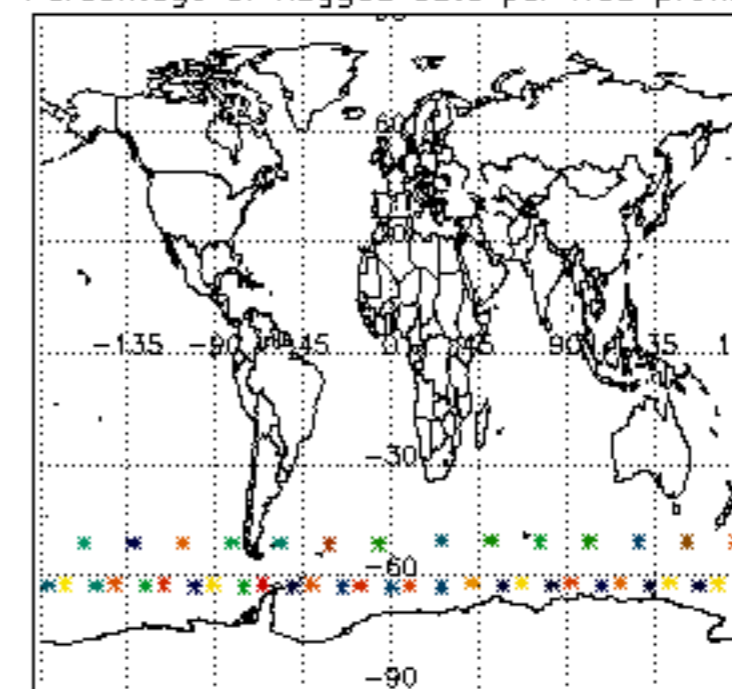
Percentage of flagged data per H2O profile

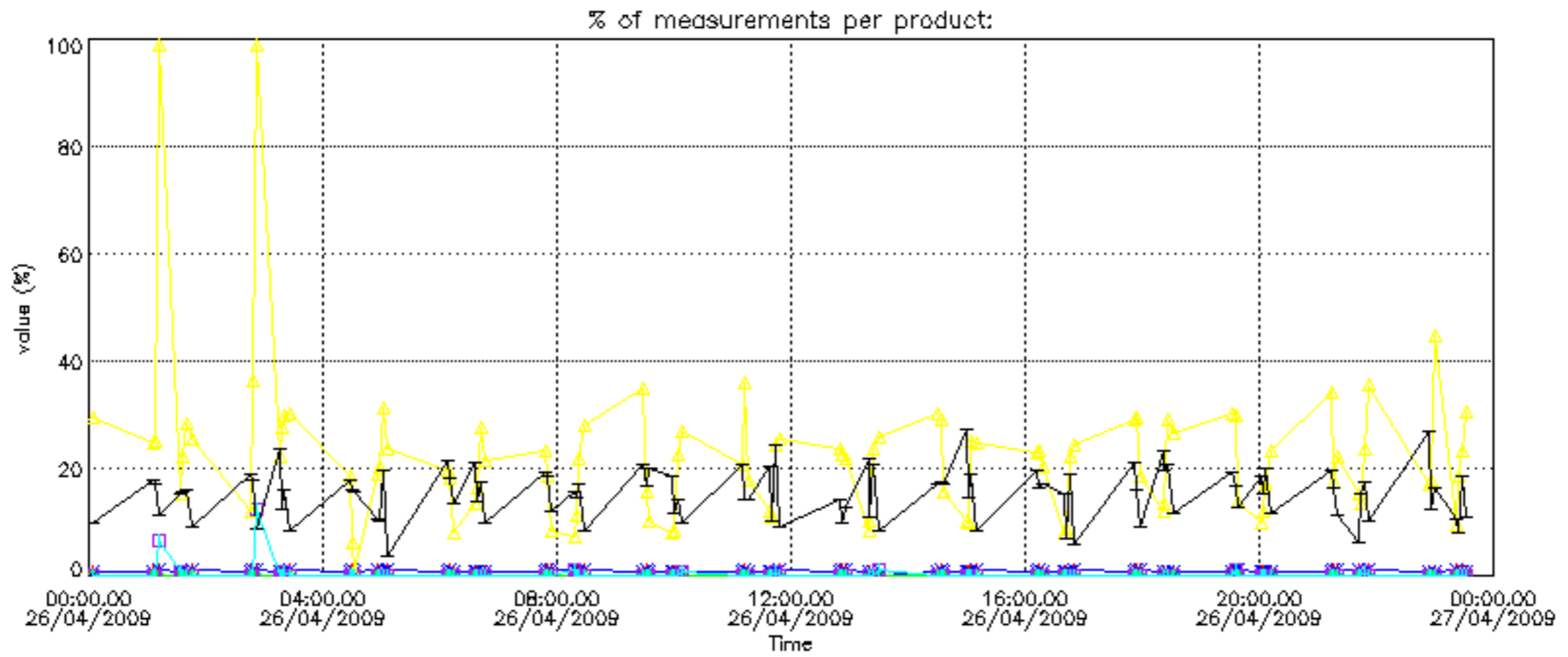


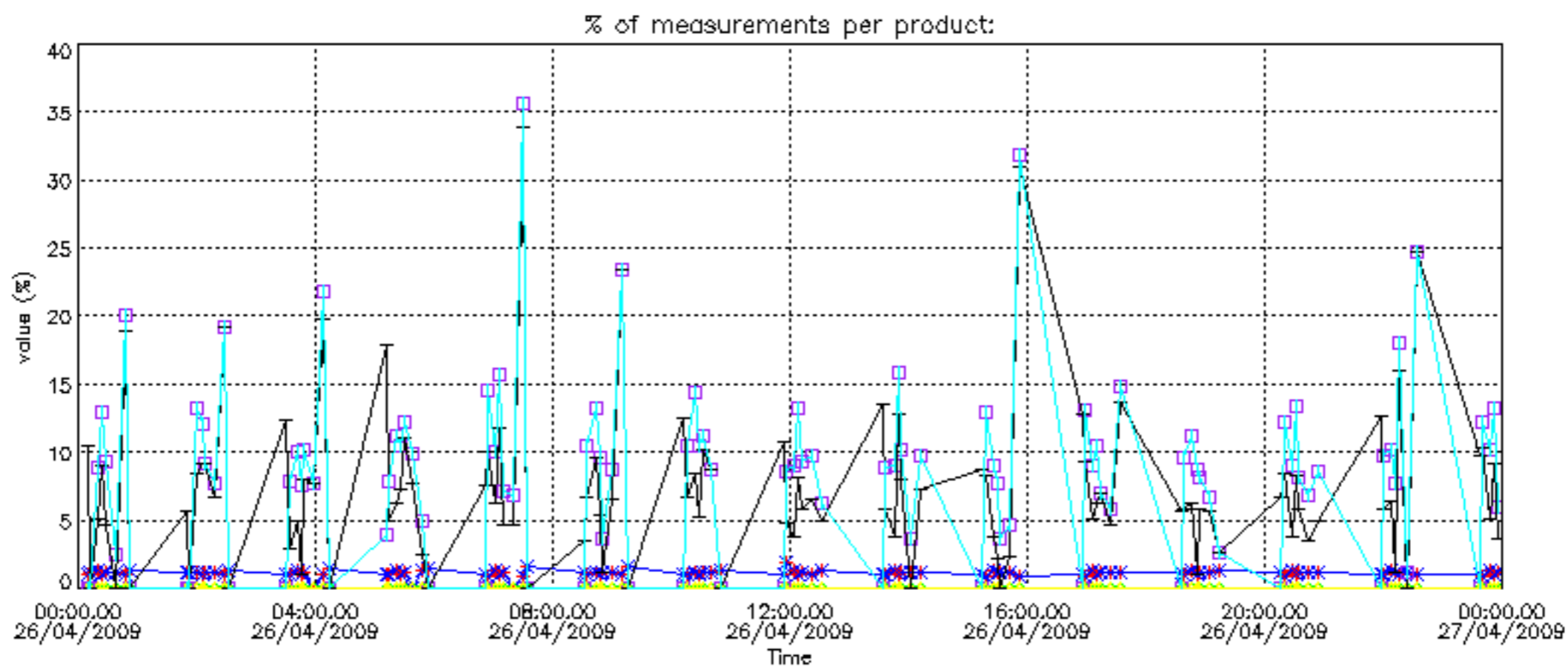
Percentage of flagged data per NO2 profile



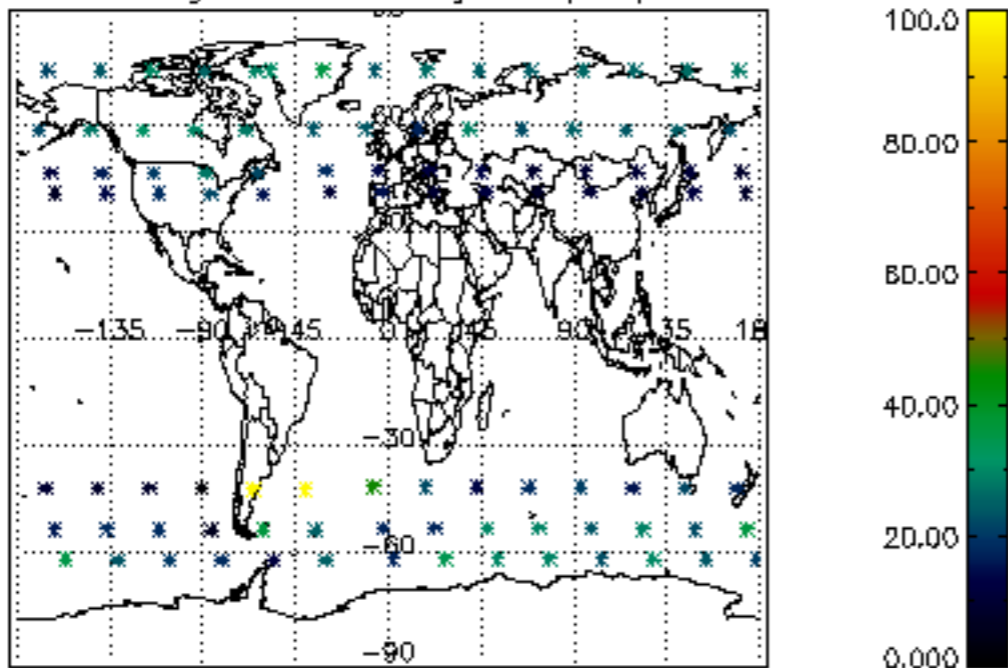
Percentage of flagged data per NO3 profile



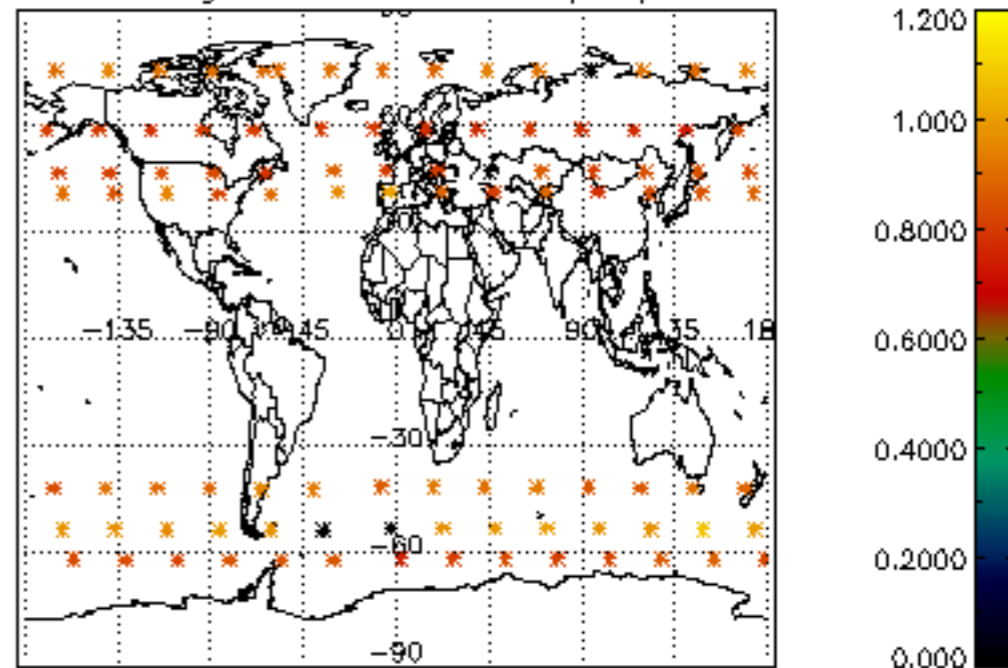




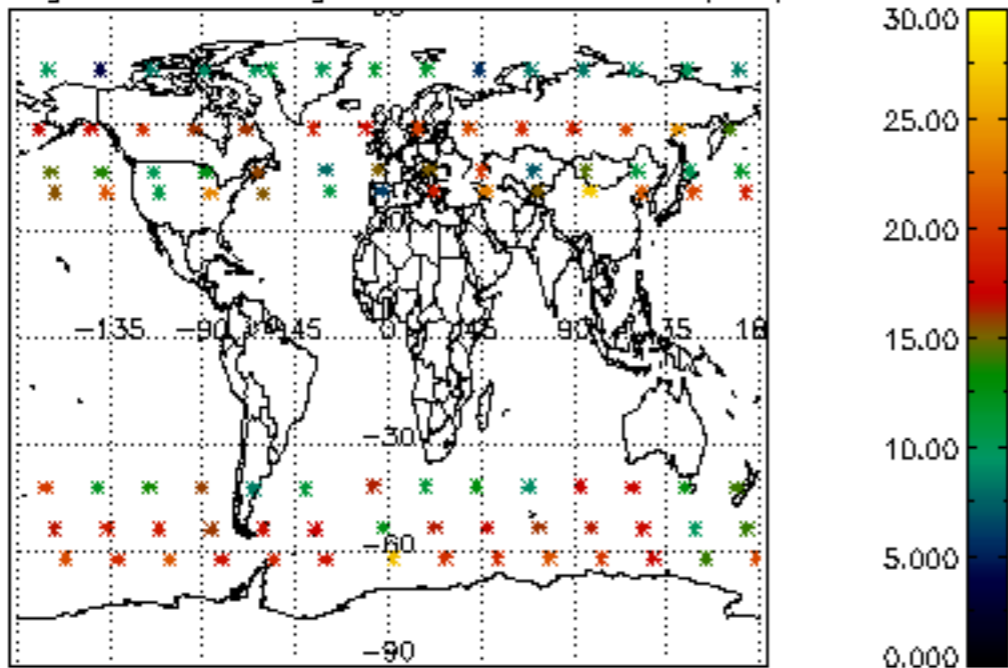
Percentage of cosmic ray hits per profile



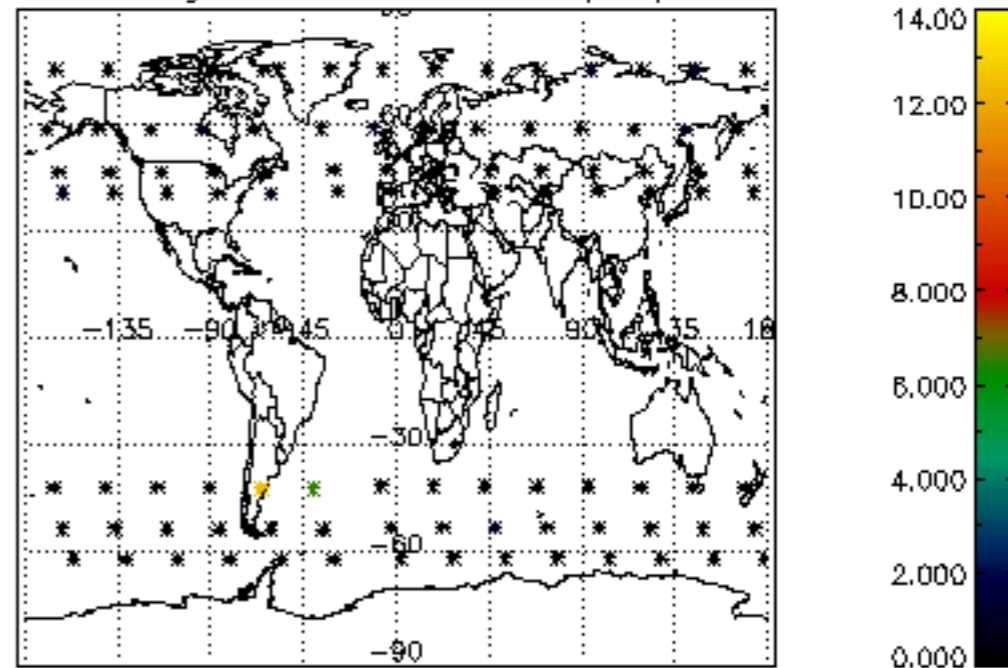
Percentage of datation errors per profile



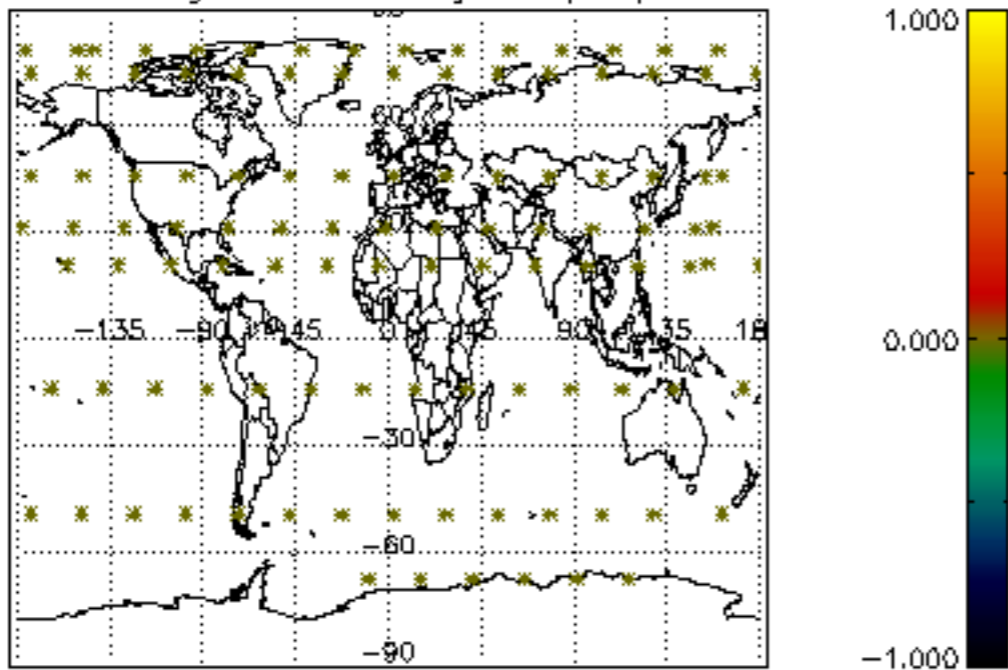
Percentage of star falling outside central band per profile



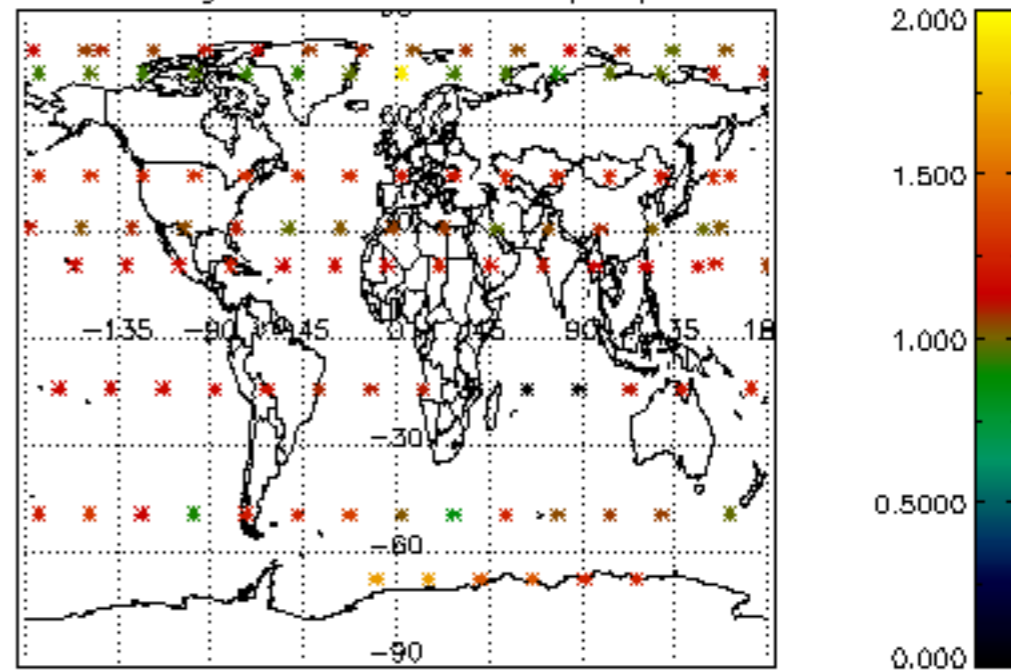
Percentage of saturation errors per profile



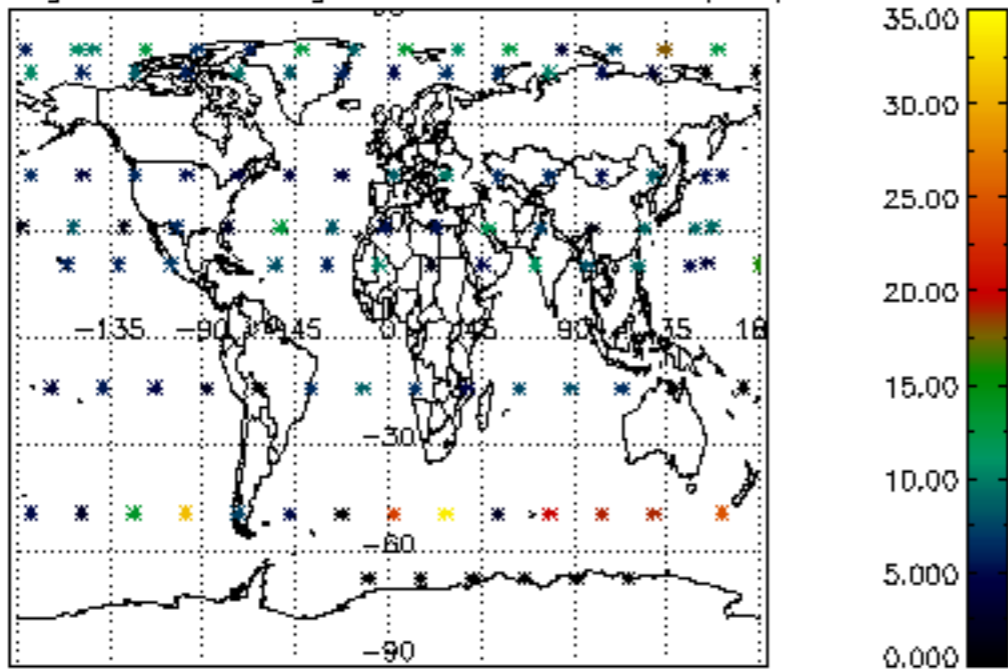
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

