

# GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	26APR2013 17:31:28
Data source version	GOMOS/6.01
Start time of products	19-02-2010 (19FEB2010 00:00:00)
Stop time of products	20-02-2010 (20FEB2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	180
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__2PRFIN20100219_000126_000000432087_00045_41682_5762.N1	19-FEB-2010 00:01:26	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41682	No
2	GOM_NL__2PRFIN20100219_001443_000000512087_00045_41682_5763.N1	19-FEB-2010 00:14:43	Twilight	51.000	48	30Alp Hya	1.9770	4100.0	102	41682	No
3	GOM_NL__2PRFIN20100219_004442_000000422087_00045_41682_5764.N1	19-FEB-2010 00:44:42	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41682	No
4	GOM_NL__2PRFIN20100219_005329_000000452087_00045_41682_5765.N1	19-FEB-2010 00:53:29	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41682	No
5	GOM_NL__2PRFIN20100219_005754_000000372087_00045_41682_5766.N1	19-FEB-2010 00:57:54	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41682	No
6	GOM_NL__2PRFIN20100219_012124_000000462087_00045_41682_5767.N1	19-FEB-2010 01:21:24	Dark	46.000	25	35Lam Sco	1.6200	28000.	92	41682	No
7	GOM_NL__2PRFIN20100219_012249_000000532087_00045_41682_5768.N1	19-FEB-2010 01:22:49	Dark	53.000	75	26Eps Sco	2.2910	4250.0	106	41682	No
8	GOM_NL__2PRFIN20100219_013202_000000442087_00046_41683_5785.N1	19-FEB-2010 01:32:02	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41683	No
9	GOM_NL__2PRFIN20100219_013322_000000512087_00046_41683_5786.N1	19-FEB-2010 01:33:22	Dark	51.000	10	Bet Cen	0.61000	28000.	102	41683	No
10	GOM_NL__2PRFIN20100219_013451_000000472087_00046_41683_5787.N1	19-FEB-2010 01:34:51	Dark	47.000	77	Eps Cen	2.3030	28000.	94	41683	No
11	GOM_NL__2PRFIN20100219_013619_000000492087_00046_41683_5788.N1	19-FEB-2010 01:36:19	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	41683	No
12	GOM_NL__2PRFIN20100219_013812_000000502087_00046_41683_5789.N1	19-FEB-2010 01:38:12	Dark	49.500	64	Gam Cen	2.2000	10600.	99	41683	No
13	GOM_NL__2PRFIN20100219_014202_000000482087_00046_41683_5790.N1	19-FEB-2010 01:42:02	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	41683	No
14	GOM_NL__2PRFIN20100219_015519_000000492087_00046_41683_5791.N1	19-FEB-2010 01:55:19	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	41683	No
15	GOM_NL__2PRFIN20100219_022517_000000402087_00046_41683_5792.N1	19-FEB-2010 02:25:17	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41683	No
16	GOM_NL__2PRFIN20100219_023405_000000432087_00046_41683_5793.N1	19-FEB-2010 02:34:05	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41683	No
17	GOM_NL__2PRFIN20100219_023830_000000382087_00046_41683_5794.N1	19-FEB-2010 02:38:30	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	41683	No
18	GOM_NL__2PRFIN20100219_030201_000000412087_00046_41683_5795.N1	19-FEB-2010 03:02:01	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	41683	No
19	GOM_NL__2PRFIN20100219_030326_000000532087_00046_41683_5796.N1	19-FEB-2010 03:03:26	Dark	53.000	75	26Eps Sco	2.2910	4250.0	106	41683	No
20	GOM_NL__2PRFIN20100219_031239_000000432087_00047_41684_5793.N1	19-FEB-2010 03:12:39	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41684	No
21	GOM_NL__2PRFIN20100219_031358_000000422087_00047_41684_5794.N1	19-FEB-2010 03:13:58	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41684	No
22	GOM_NL__2PRFIN20100219_031527_000000432087_00047_41684_5795.N1	19-FEB-2010 03:15:27	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41684	No
23	GOM_NL__2PRFIN20100219_031656_000000462087_00047_41684_5796.N1	19-FEB-2010 03:16:56	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	41684	No
24	GOM_NL__2PRFIN20100219_031849_000000452087_00047_41684_5797.N1	19-FEB-2010 03:18:49	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41684	No
25	GOM_NL__2PRFIN20100219_032238_000000462087_00047_41684_5798.N1	19-FEB-2010 03:22:38	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	41684	No
26	GOM_NL__2PRFIN20100219_033555_000000492087_00047_41684_5799.N1	19-FEB-2010 03:35:55	Twilight	49.000	48	30Alp Hya	1.9770	4100.0	98	41684	No
27	GOM_NL__2PRFIN20100219_040553_000000382087_00047_41684_5800.N1	19-FEB-2010 04:05:53	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	41684	No
28	GOM_NL__2PRFIN20100219_041440_000000442087_00047_41684_5801.N1	19-FEB-2010 04:14:40	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	41684	No
29	GOM_NL__2PRFIN20100219_041906_000000372087_00047_41684_5802.N1	19-FEB-2010 04:19:06	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41684	No
30	GOM_NL__2PRFIN20100219_044237_000000462087_00047_41684_5803.N1	19-FEB-2010 04:42:37	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	41684	No
31	GOM_NL__2PRFIN20100219_044403_000000532087_00047_41684_5804.N1	19-FEB-2010 04:44:03	Dark	52.500	75	26Eps Sco	2.2910	4250.0	105	41684	No
32	GOM_NL__2PRFIN20100219_045315_000000432087_00048_41685_5801.N1	19-FEB-2010 04:53:15	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41685	No
33	GOM_NL__2PRFIN20100219_045435_000000422087_00048_41685_5802.N1	19-FEB-2010 04:54:35	Dark	41.500	10	Bet Cen	0.61000	28000.	83	41685	No
34	GOM_NL__2PRFIN20100219_045604_000000432087_00048_41685_5803.N1	19-FEB-2010 04:56:04	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41685	No
35	GOM_NL__2PRFIN20100219_045732_000000442087_00048_41685_5804.N1	19-FEB-2010 04:57:32	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	41685	No
36	GOM_NL__2PRFIN20100219_045926_000000512087_00048_41685_5805.N1	19-FEB-2010 04:59:26	Dark	51.000	64	Gam Cen	2.2000	10600.	102	41685	No
37	GOM_NL__2PRFIN20100219_050315_000000452087_00048_41685_5806.N1	19-FEB-2010 05:03:15	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41685	No
38	GOM_NL__2PRFIN20100219_051631_000000482087_00048_41685_5807.N1	19-FEB-2010 05:16:31	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	41685	No
39	GOM_NL__2PRFIN20100219_054629_000000412087_00048_41685_5808.N1	19-FEB-2010 05:46:29	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41685	No
40	GOM_NL__2PRFIN20100219_055516_000000402087_00048_41685_5809.N1	19-FEB-2010 05:55:16	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	41685	No
41	GOM_NL__2PRFIN20100219_055942_000000402087_00048_41685_5810.N1	19-FEB-2010 05:59:42	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41685	No
42	GOM_NL__2PRFIN20100219_062314_000000452087_00048_41685_5811.N1	19-FEB-2010 06:23:14	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41685	No

43	GOM_NL__2PRFIN20100219_062440_000000572087_00048_41685_5812.N1	19-FEB-2010 06:24:40	Dark	56.500	75	26Eps Sco	2.2910	4250.0	113	41685	No
44	GOM_NL__2PRFIN20100219_063352_000000432087_00049_41686_5819.N1	19-FEB-2010 06:33:52	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41686	No
45	GOM_NL__2PRFIN20100219_063512_000000432087_00049_41686_5820.N1	19-FEB-2010 06:35:12	Dark	42.500	10	Bet Cen	0.61000	28000.	85	41686	No
46	GOM_NL__2PRFIN20100219_063641_000000452087_00049_41686_5821.N1	19-FEB-2010 06:36:41	Dark	45.000	77	Eps Cen	2.3030	28000.	90	41686	No
47	GOM_NL__2PRFIN20100219_063809_000000422087_00049_41686_5822.N1	19-FEB-2010 06:38:09	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41686	No
48	GOM_NL__2PRFIN20100219_064002_000000512087_00049_41686_5823.N1	19-FEB-2010 06:40:02	Dark	51.000	64	Gam Cen	2.2000	10600.	102	41686	No
49	GOM_NL__2PRFIN20100219_064351_000000452087_00049_41686_5824.N1	19-FEB-2010 06:43:51	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41686	No
50	GOM_NL__2PRFIN20100219_065707_000000492087_00049_41686_5825.N1	19-FEB-2010 06:57:07	Tw_i_and_stray	48.500	48	30Alp Hya	1.9770	4100.0	97	41686	No
51	GOM_NL__2PRFIN20100219_072704_000000372087_00049_41686_5826.N1	19-FEB-2010 07:27:04	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41686	No
52	GOM_NL__2PRFIN20100219_073552_000000412087_00049_41686_5827.N1	19-FEB-2010 07:35:52	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41686	No
53	GOM_NL__2PRFIN20100219_074018_000000382087_00049_41686_5828.N1	19-FEB-2010 07:40:18	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	41686	No
54	GOM_NL__2PRFIN20100219_074722_000000362087_00049_41686_5829.N1	19-FEB-2010 07:47:22	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	41686	No
55	GOM_NL__2PRFIN20100219_080351_000000452087_00049_41686_5830.N1	19-FEB-2010 08:03:51	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41686	No
56	GOM_NL__2PRFIN20100219_080517_000000472087_00049_41686_5831.N1	19-FEB-2010 08:05:17	Dark	47.000	75	26Eps Sco	2.2910	4250.0	94	41686	No
57	GOM_NL__2PRFIN20100219_081429_000000432087_00050_41687_5826.N1	19-FEB-2010 08:14:29	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41687	No
58	GOM_NL__2PRFIN20100219_081548_000000452087_00050_41687_5827.N1	19-FEB-2010 08:15:48	Dark	44.500	10	Bet Cen	0.61000	28000.	89	41687	No
59	GOM_NL__2PRFIN20100219_081718_000000432087_00050_41687_5828.N1	19-FEB-2010 08:17:18	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41687	No
60	GOM_NL__2PRFIN20100219_081845_000000422087_00050_41687_5829.N1	19-FEB-2010 08:18:45	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	41687	No
61	GOM_NL__2PRFIN20100219_082039_000000472087_00050_41687_5830.N1	19-FEB-2010 08:20:39	Dark	46.500	64	Gam Cen	2.2000	10600.	93	41687	No
62	GOM_NL__2PRFIN20100219_082428_000000452087_00050_41687_5831.N1	19-FEB-2010 08:24:28	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41687	No
63	GOM_NL__2PRFIN20100219_083743_000000452087_00050_41687_5832.N1	19-FEB-2010 08:37:43	Tw_i_and_stray	45.000	48	30Alp Hya	1.9770	4100.0	90	41687	No
64	GOM_NL__2PRFIN20100219_090740_000000412087_00050_41687_5833.N1	19-FEB-2010 09:07:40	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41687	No
65	GOM_NL__2PRFIN20100219_091627_000000442087_00050_41687_5834.N1	19-FEB-2010 09:16:27	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	41687	No
66	GOM_NL__2PRFIN20100219_092054_000000402087_00050_41687_5835.N1	19-FEB-2010 09:20:54	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41687	No
67	GOM_NL__2PRFIN20100219_092759_000000362087_00050_41687_5836.N1	19-FEB-2010 09:27:59	Bright	36.000	168	17Zet Aql	2.9860	11000.	72	41687	No
68	GOM_NL__2PRFIN20100219_094427_000000412087_00050_41687_5837.N1	19-FEB-2010 09:44:27	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	41687	No
69	GOM_NL__2PRFIN20100219_094554_000000612087_00050_41687_5838.N1	19-FEB-2010 09:45:54	Dark	61.000	75	26Eps Sco	2.2910	4250.0	122	41687	No
70	GOM_NL__2PRFIN20100219_095505_000000442087_00051_41688_5836.N1	19-FEB-2010 09:55:05	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41688	No
71	GOM_NL__2PRFIN20100219_095625_000000452087_00051_41688_5837.N1	19-FEB-2010 09:56:25	Dark	45.000	10	Bet Cen	0.61000	28000.	90	41688	No
72	GOM_NL__2PRFIN20100219_095754_000000452087_00051_41688_5838.N1	19-FEB-2010 09:57:54	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41688	No
73	GOM_NL__2PRFIN20100219_095921_000000482087_00051_41688_5839.N1	19-FEB-2010 09:59:21	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	41688	No
74	GOM_NL__2PRFIN20100219_100116_000000452087_00051_41688_5840.N1	19-FEB-2010 10:01:16	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41688	No
75	GOM_NL__2PRFIN20100219_100504_000000432087_00051_41688_5841.N1	19-FEB-2010 10:05:04	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41688	No
76	GOM_NL__2PRFIN20100219_101819_000000482087_00051_41688_5842.N1	19-FEB-2010 10:18:19	Tw_i_and_stray	47.500	48	30Alp Hya	1.9770	4100.0	95	41688	No
77	GOM_NL__2PRFIN20100219_104816_000000412087_00051_41688_5843.N1	19-FEB-2010 10:48:16	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41688	No
78	GOM_NL__2PRFIN20100219_105703_000000452087_00051_41688_5844.N1	19-FEB-2010 10:57:03	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41688	No
79	GOM_NL__2PRFIN20100219_110130_000000362087_00051_41688_5845.N1	19-FEB-2010 11:01:30	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41688	No
80	GOM_NL__2PRFIN20100219_110834_000000532087_00051_41688_5846.N1	19-FEB-2010 11:08:34	Bright	53.000	168	17Zet Aql	2.9860	11000.	106	41688	No
81	GOM_NL__2PRFIN20100219_112504_000000412087_00051_41688_5847.N1	19-FEB-2010 11:25:04	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	41688	No
82	GOM_NL__2PRFIN20100219_112630_000000562087_00051_41688_5848.N1	19-FEB-2010 11:26:30	Dark	56.000	75	26Eps Sco	2.2910	4250.0	112	41688	No
83	GOM_NL__2PRFIN20100219_113542_000000432087_00052_41689_5846.N1	19-FEB-2010 11:35:42	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41689	No
84	GOM_NL__2PRFIN20100219_113701_000000442087_00052_41689_5847.N1	19-FEB-2010 11:37:01	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41689	No
85	GOM_NL__2PRFIN20100219_113831_000000442087_00052_41689_5848.N1	19-FEB-2010 11:38:31	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41689	No
86	GOM_NL__2PRFIN20100219_113958_000000382087_00052_41689_5849.N1	19-FEB-2010 11:39:58	Dark	38.000	12	Alp1Cru	0.77500	30000.	76	41689	No
87	GOM_NL__2PRFIN20100219_114153_000000452087_00052_41689_5850.N1	19-FEB-2010 11:41:53	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41689	No
88	GOM_NL__2PRFIN20100219_114540_000000452087_00052_41689_5851.N1	19-FEB-2010 11:45:40	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41689	No
89	GOM_NL__2PRFIN20100219_115855_000000462087_00052_41689_5852.N1	19-FEB-2010 11:58:55	Tw_i_and_stray	45.500	48	30Alp Hya	1.9770	4100.0	91	41689	No
90	GOM_NL__2PRFIN20100219_122851_000000412087_00052_41689_5853.N1	19-FEB-2010 12:28:51	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41689	No
91	GOM_NL__2PRFIN20100219_123739_000000442087_00052_41689_5854.N1	19-FEB-2010 12:37:39	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	41689	No
92	GOM_NL__2PRFIN20100219_124206_000000462087_00052_41689_5855.N1	19-FEB-2010 12:42:06	Bright	45.500	5	3Alp Lyr	0.033000	11000.	91	41689	No
93	GOM_NL__2PRFIN20100219_124910_000000342087_00052_41689_5856.N1	19-FEB-2010 12:49:10	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	41689	No
94	GOM_NL__2PRFIN20100219_130540_000000522087_00052_41689_5857.N1	19-FEB-2010 13:05:40	Dark	51.500	25	35Lam Sco	1.6200	28000.	103	41689	No
95	GOM_NL__2PRFIN20100219_130707_000000562087_00052_41689_5858.N1	19-FEB-2010 13:07:07	Dark	55.500	75	26Eps Sco	2.2910	4250.0	111	41689	No
96	GOM_NL__2PRFIN20100219_131618_000000442087_00053_41690_5854.N1	19-FEB-2010 13:16:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41690	No
97	GOM_NL__2PRFIN20100219_131738_000000412087_00053_41690_5855.N1	19-FEB-2010 13:17:38	Dark	41.000	10	Bet Cen	0.61000	28000.	82	41690	No
98	GOM_NL__2PRFIN20100219_131907_000000452087_00053_41690_5856.N1	19-FEB-2010 13:19:07	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41690	No
99	GOM_NL__2PRFIN20100219_132229_000000452087_00053_41690_5857.N1	19-FEB-2010 13:22:29	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41690	No
100	GOM_NL__2PRFIN20100219_132617_000000432087_00053_41690_5858.N1	19-FEB-2010 13:26:17	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41690	No
101	GOM_NL__2PRFIN20100219_133931_000000472087_00053_41690_5859.N1	19-FEB-2010 13:39:31	Tw_i_and_stray	46.500	48	30Alp Hya	1.9770	4100.0	93	41690	No

102	GOM_NL__2PRFIN20100219_140927_000000412087_00053_41690_5860.N1	19-FEB-2010 14:09:27	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41690	No
103	GOM_NL__2PRFIN20100219_141815_000000452087_00053_41690_5861.N1	19-FEB-2010 14:18:15	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	41690	No
104	GOM_NL__2PRFIN20100219_142242_000000402087_00053_41690_5862.N1	19-FEB-2010 14:22:42	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41690	No
105	GOM_NL__2PRFIN20100219_142947_000000362087_00053_41690_5863.N1	19-FEB-2010 14:29:47	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	41690	No
106	GOM_NL__2PRFIN20100219_144617_000000442087_00053_41690_5864.N1	19-FEB-2010 14:46:17	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41690	No
107	GOM_NL__2PRFIN20100219_144744_000000572087_00053_41690_5865.N1	19-FEB-2010 14:47:44	Dark	56.500	75	26Eps Sco	2.2910	4250.0	113	41690	No
108	GOM_NL__2PRFIN20100219_145655_000000432087_00054_41691_5871.N1	19-FEB-2010 14:56:55	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41691	No
109	GOM_NL__2PRFIN20100219_145814_000000442087_00054_41691_5872.N1	19-FEB-2010 14:58:14	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41691	No
110	GOM_NL__2PRFIN20100219_145944_000000442087_00054_41691_5873.N1	19-FEB-2010 14:59:44	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41691	No
111	GOM_NL__2PRFIN20100219_150306_000000452087_00054_41691_5874.N1	19-FEB-2010 15:03:06	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41691	No
112	GOM_NL__2PRFIN20100219_150653_000000452087_00054_41691_5875.N1	19-FEB-2010 15:06:53	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41691	No
113	GOM_NL__2PRFIN20100219_152007_000000502087_00054_41691_5876.N1	19-FEB-2010 15:20:07	Twilight	49.500	48	30Alp Hya	1.9770	4100.0	99	41691	No
114	GOM_NL__2PRFIN20100219_155002_000000432087_00054_41691_5877.N1	19-FEB-2010 15:50:02	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41691	No
115	GOM_NL__2PRFIN20100219_155851_000000452087_00054_41691_5878.N1	19-FEB-2010 15:58:51	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41691	No
116	GOM_NL__2PRFIN20100219_160318_000000432087_00054_41691_5879.N1	19-FEB-2010 16:03:18	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	41691	No
117	GOM_NL__2PRFIN20100219_161023_000000532087_00054_41691_5880.N1	19-FEB-2010 16:10:23	Bright	52.500	168	17Zet Aql	2.9860	11000.	105	41691	No
118	GOM_NL__2PRFIN20100219_162654_000000452087_00054_41691_5881.N1	19-FEB-2010 16:26:54	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41691	No
119	GOM_NL__2PRFIN20100219_162821_000000512087_00054_41691_5882.N1	19-FEB-2010 16:28:21	Dark	51.000	75	26Eps Sco	2.2910	4250.0	102	41691	No
120	GOM_NL__2PRFIN20100219_163509_000000402087_00055_41692_5879.N1	19-FEB-2010 16:35:09	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	41692	No
121	GOM_NL__2PRFIN20100219_163731_000000452087_00055_41692_5880.N1	19-FEB-2010 16:37:31	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	41692	No
122	GOM_NL__2PRFIN20100219_163851_000000442087_00055_41692_5881.N1	19-FEB-2010 16:38:51	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41692	No
123	GOM_NL__2PRFIN20100219_164147_000000402087_00055_41692_5882.N1	19-FEB-2010 16:41:47	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41692	No
124	GOM_NL__2PRFIN20100219_164342_000000462087_00055_41692_5883.N1	19-FEB-2010 16:43:42	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41692	No
125	GOM_NL__2PRFIN20100219_164729_000000462087_00055_41692_5884.N1	19-FEB-2010 16:47:29	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	41692	No
126	GOM_NL__2PRFIN20100219_165057_000000472087_00055_41692_5885.N1	19-FEB-2010 16:50:57	Straylight	46.500	65	Lam Vel	2.2040	4400.0	93	41692	No
127	GOM_NL__2PRFIN20100219_170043_000000492087_00055_41692_5886.N1	19-FEB-2010 17:00:43	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	41692	No
128	GOM_NL__2PRFIN20100219_172852_000000382087_00055_41692_5887.N1	19-FEB-2010 17:28:52	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41692	No
129	GOM_NL__2PRFIN20100219_173038_000000432087_00055_41692_5888.N1	19-FEB-2010 17:30:38	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	41692	No
130	GOM_NL__2PRFIN20100219_173926_000000462087_00055_41692_5889.N1	19-FEB-2010 17:39:26	Bright	46.000	130	23Bet Dra	2.7990	5800.0	92	41692	No
131	GOM_NL__2PRFIN20100219_174141_000000362087_00055_41692_5890.N1	19-FEB-2010 17:41:41	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	41692	No
132	GOM_NL__2PRFIN20100219_174354_000000362087_00055_41692_5891.N1	19-FEB-2010 17:43:54	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41692	No
133	GOM_NL__2PRFIN20100219_175059_000000542087_00055_41692_5892.N1	19-FEB-2010 17:50:59	Bright	54.000	168	17Zet Aql	2.9860	11000.	108	41692	No
134	GOM_NL__2PRFIN20100219_180035_000000422087_00055_41692_5893.N1	19-FEB-2010 18:00:35	Twilight	42.000	155	41Pi Sgr	2.9000	6600.0	84	41692	No
135	GOM_NL__2PRFIN20100219_180217_000000432087_00055_41692_5894.N1	19-FEB-2010 18:02:17	Dark	42.500	57	34Sig Sgr	2.0660	26000.	85	41692	No
136	GOM_NL__2PRFIN20100219_180730_000000492087_00055_41692_5895.N1	19-FEB-2010 18:07:30	Dark	49.000	25	35Lam Sco	1.6200	28000.	98	41692	No
137	GOM_NL__2PRFIN20100219_180858_000000462087_00055_41692_5896.N1	19-FEB-2010 18:08:58	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	41692	No
138	GOM_NL__2PRFIN20100219_181148_000000402087_00055_41692_5897.N1	19-FEB-2010 18:11:48	Dark	40.000	141	Bet Ara	2.8400	4600.0	80	41692	No
139	GOM_NL__2PRFIN20100219_181808_000000472087_00056_41693_5907.N1	19-FEB-2010 18:18:08	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	41693	No
140	GOM_NL__2PRFIN20100219_181927_000000482087_00056_41693_5908.N1	19-FEB-2010 18:19:27	Dark	47.500	10	Bet Cen	0.61000	28000.	95	41693	No
141	GOM_NL__2PRFIN20100219_182224_000000402087_00056_41693_5909.N1	19-FEB-2010 18:22:24	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41693	No
142	GOM_NL__2PRFIN20100219_182419_000000452087_00056_41693_5910.N1	19-FEB-2010 18:24:19	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41693	No
143	GOM_NL__2PRFIN20100219_182806_000000442087_00056_41693_5911.N1	19-FEB-2010 18:28:06	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	41693	No
144	GOM_NL__2PRFIN20100219_183133_000000462087_00056_41693_5912.N1	19-FEB-2010 18:31:33	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	41693	No
145	GOM_NL__2PRFIN20100219_184119_000000452087_00056_41693_5913.N1	19-FEB-2010 18:41:19	Twilight	45.000	48	30Alp Hya	1.9770	4100.0	90	41693	No
146	GOM_NL__2PRFIN20100219_190928_000000382087_00056_41693_5914.N1	19-FEB-2010 19:09:28	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41693	No
147	GOM_NL__2PRFIN20100219_191114_000000422087_00056_41693_5915.N1	19-FEB-2010 19:11:14	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41693	No
148	GOM_NL__2PRFIN20100219_192002_000000422087_00056_41693_5916.N1	19-FEB-2010 19:20:02	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	41693	No
149	GOM_NL__2PRFIN20100219_192430_000000432087_00056_41693_5917.N1	19-FEB-2010 19:24:30	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	41693	No
150	GOM_NL__2PRFIN20100219_193135_000000542087_00056_41693_5918.N1	19-FEB-2010 19:31:35	Bright	54.000	168	17Zet Aql	2.9860	11000.	108	41693	No
151	GOM_NL__2PRFIN20100219_194111_000000432087_00056_41693_5919.N1	19-FEB-2010 19:41:11	Twilight	42.500	155	41Pi Sgr	2.9000	6600.0	85	41693	No
152	GOM_NL__2PRFIN20100219_194253_000000402087_00056_41693_5920.N1	19-FEB-2010 19:42:53	Dark	40.000	57	34Sig Sgr	2.0660	26000.	80	41693	No
153	GOM_NL__2PRFIN20100219_194807_000000432087_00056_41693_5921.N1	19-FEB-2010 19:48:07	Dark	42.500	25	35Lam Sco	1.6200	28000.	85	41693	No
154	GOM_NL__2PRFIN20100219_194935_000000582087_00056_41693_5922.N1	19-FEB-2010 19:49:35	Dark	57.500	75	26Eps Sco	2.2910	4250.0	115	41693	No
155	GOM_NL__2PRFIN20100219_195224_000000432087_00056_41693_5923.N1	19-FEB-2010 19:52:24	Dark	42.500	141	Bet Ara	2.8400	4600.0	85	41693	No
156	GOM_NL__2PRFIN20100219_195844_000000412087_00057_41694_5915.N1	19-FEB-2010 19:58:44	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41694	No
157	GOM_NL__2PRFIN20100219_200004_000000522087_00057_41694_5916.N1	19-FEB-2010 20:00:04	Dark	51.500	10	Bet Cen	0.61000	28000.	103	41694	No
158	GOM_NL__2PRFIN20100219_200300_000000542087_00057_41694_5917.N1	19-FEB-2010 20:03:00	Dark	54.000	12	Alp1Cru	0.77500	30000.	108	41694	No
159	GOM_NL__2PRFIN20100219_200456_000000452087_00057_41694_5918.N1	19-FEB-2010 20:04:56	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41694	No
160	GOM_NL__2PRFIN20100219_201209_000000442087_00057_41694_5919.N1	19-FEB-2010 20:12:09	Straylight	44.000	65	Lam Vel	2.2040	4400.0	88	41694	No

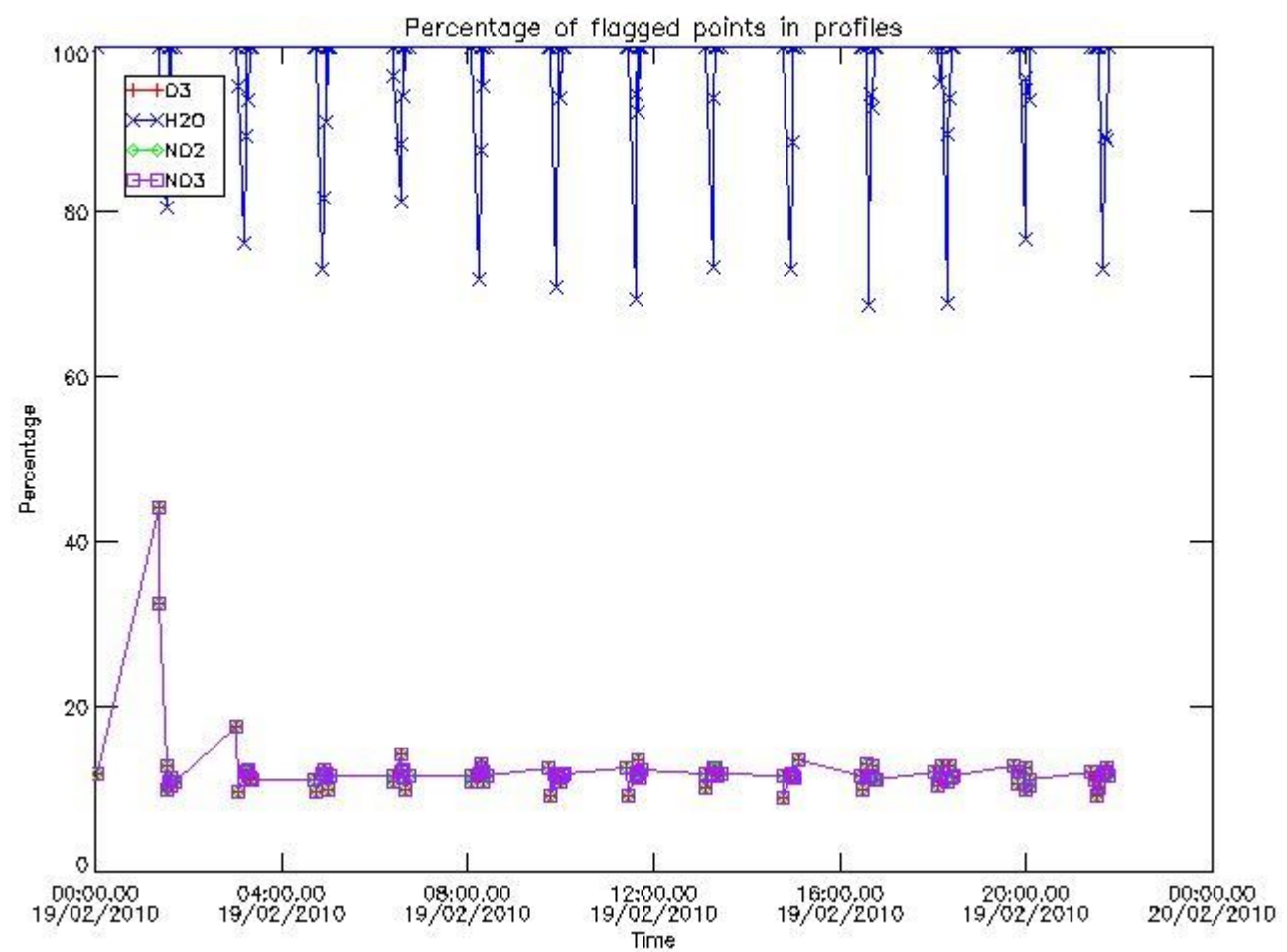


161	GOM_NL__2PRFIN20100219_202155_000000462087_00057_41694_5920.N1	19-FEB-2010 20:21:55	Twilight	45.500	48	30Alp Hya	1.9770	4100.0	91	41694	No
162	GOM_NL__2PRFIN20100219_205004_000000332087_00057_41694_5921.N1	19-FEB-2010 20:50:04	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41694	No
163	GOM_NL__2PRFIN20100219_205149_000000372087_00057_41694_5922.N1	19-FEB-2010 20:51:49	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41694	No
164	GOM_NL__2PRFIN20100219_210038_000000452087_00057_41694_5923.N1	19-FEB-2010 21:00:38	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41694	No
165	GOM_NL__2PRFIN20100219_210506_000000372087_00057_41694_5924.N1	19-FEB-2010 21:05:06	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41694	No
166	GOM_NL__2PRFIN20100219_211212_000000352087_00057_41694_5925.N1	19-FEB-2010 21:12:12	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	41694	No
167	GOM_NL__2PRFIN20100219_212147_000000422087_00057_41694_5926.N1	19-FEB-2010 21:21:47	Twilight	42.000	155	41Pi Sgr	2.9000	6600.0	84	41694	No
168	GOM_NL__2PRFIN20100219_212330_000000422087_00057_41694_5927.N1	19-FEB-2010 21:23:30	Dark	42.000	57	34Sig Sgr	2.0660	26000.	84	41694	No
169	GOM_NL__2PRFIN20100219_212843_000000462087_00057_41694_5928.N1	19-FEB-2010 21:28:43	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	41694	No
170	GOM_NL__2PRFIN20100219_213012_000000562087_00057_41694_5929.N1	19-FEB-2010 21:30:12	Dark	55.500	75	26Eps Sco	2.2910	4250.0	111	41694	No
171	GOM_NL__2PRFIN20100219_213301_000000502087_00057_41694_5930.N1	19-FEB-2010 21:33:01	Dark	50.000	141	Bet Ara	2.8400	4600.0	100	41694	No
172	GOM_NL__2PRFIN20100219_213921_000000432087_00058_41695_5923.N1	19-FEB-2010 21:39:21	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41695	No
173	GOM_NL__2PRFIN20100219_214040_000000422087_00058_41695_5924.N1	19-FEB-2010 21:40:40	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41695	No
174	GOM_NL__2PRFIN20100219_214336_000000452087_00058_41695_5925.N1	19-FEB-2010 21:43:36	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41695	No
175	GOM_NL__2PRFIN20100219_214532_000000452087_00058_41695_5926.N1	19-FEB-2010 21:45:32	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41695	No
176	GOM_NL__2PRFIN20100219_215246_000000452087_00058_41695_5927.N1	19-FEB-2010 21:52:46	Straylight	45.000	65	Lam Vel	2.2040	4400.0	90	41695	No
177	GOM_NL__2PRFIN20100219_220231_000000492087_00058_41695_5928.N1	19-FEB-2010 22:02:31	Twilight	49.000	48	30Alp Hya	1.9770	4100.0	98	41695	No
178	GOM_NL__2PRFIN20100219_223040_000000522087_00058_41695_5929.N1	19-FEB-2010 22:30:40	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	41695	No
179	GOM_NL__2PRFIN20100219_223225_000000452087_00058_41695_5930.N1	19-FEB-2010 22:32:25	Bright	45.000	60	7Bet UMi	2.0810	3950.0	90	41695	No
180	GOM_NL__2PRFIN20100219_224114_000000462087_00058_41695_5931.N1	19-FEB-2010 22:41:14	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	41695	No

### 3. Quality information per product

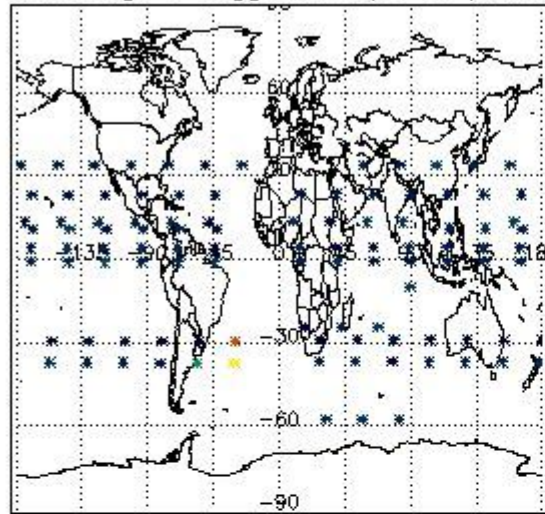
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

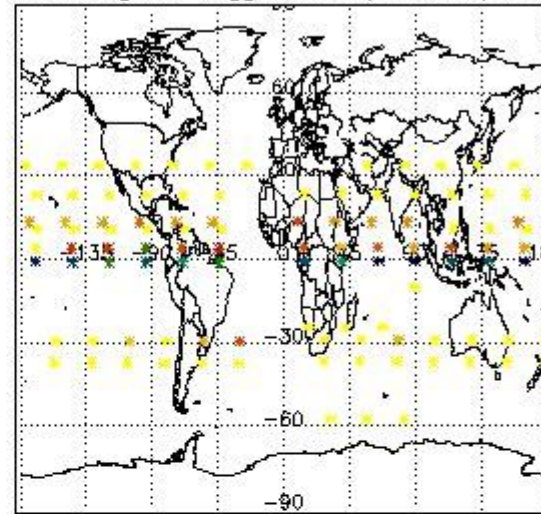


3.2 Plot quality information per product (world map)

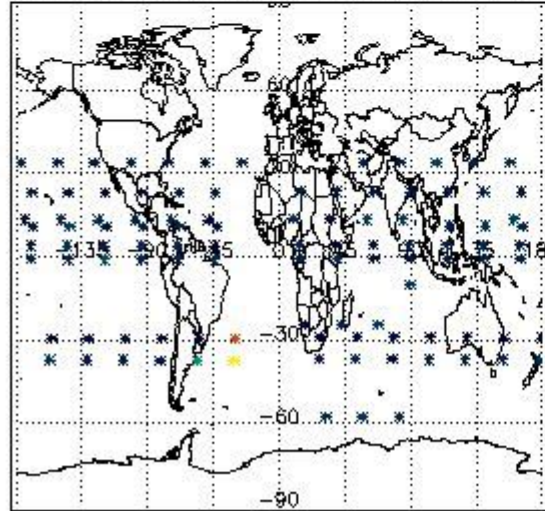
Percentage of flagged data per O3 profile



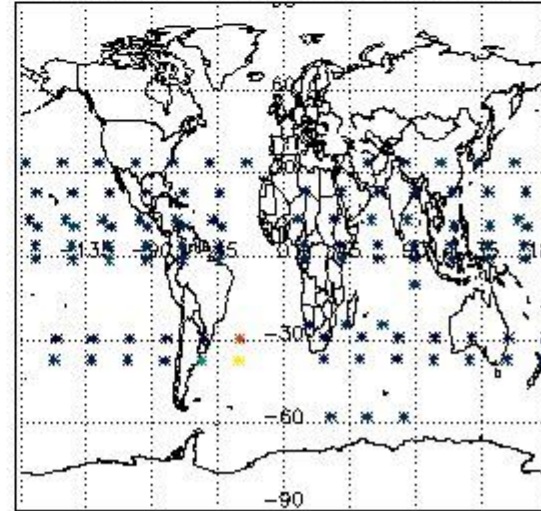
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

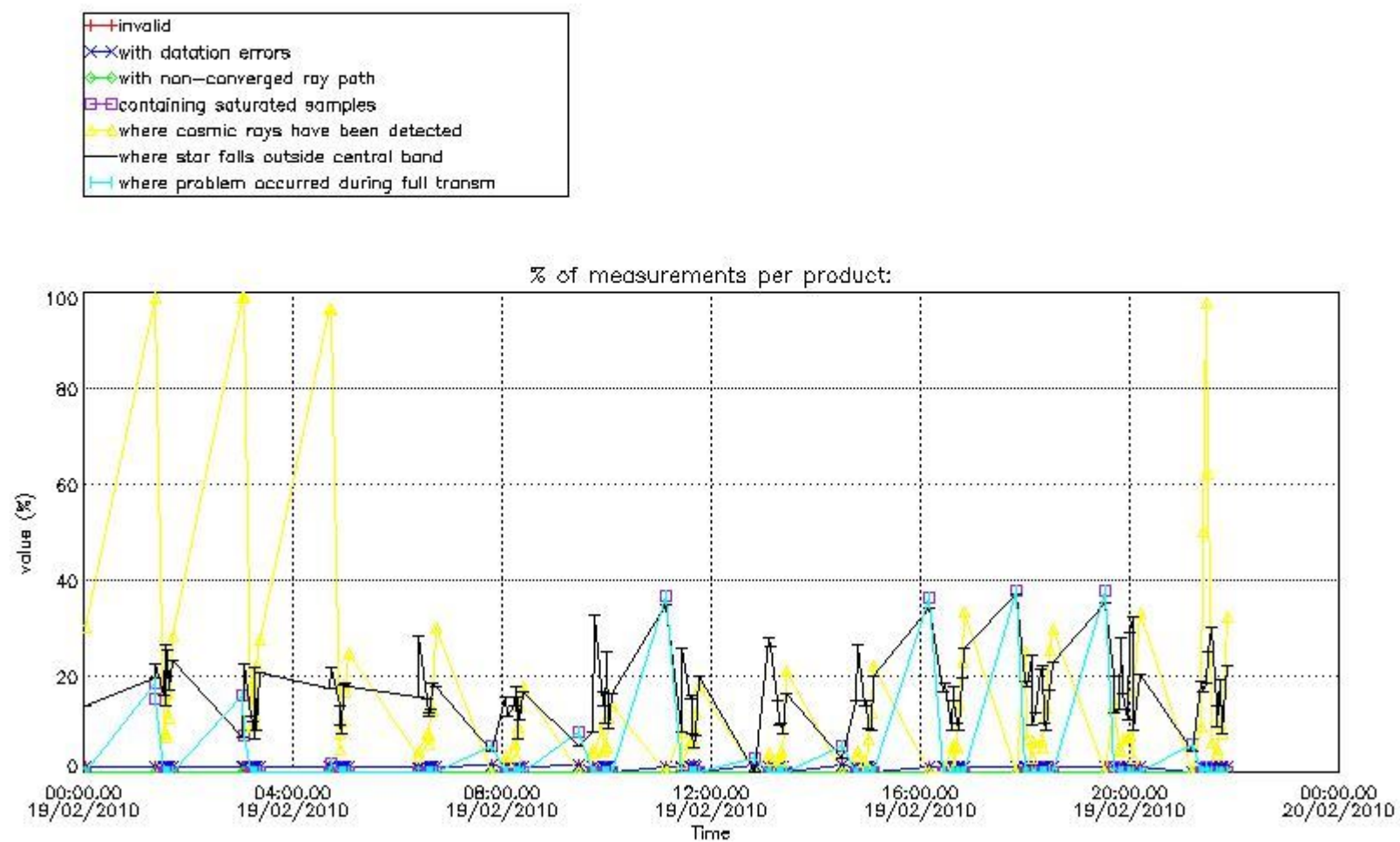


#### 4. Level 1 quality information per product

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.

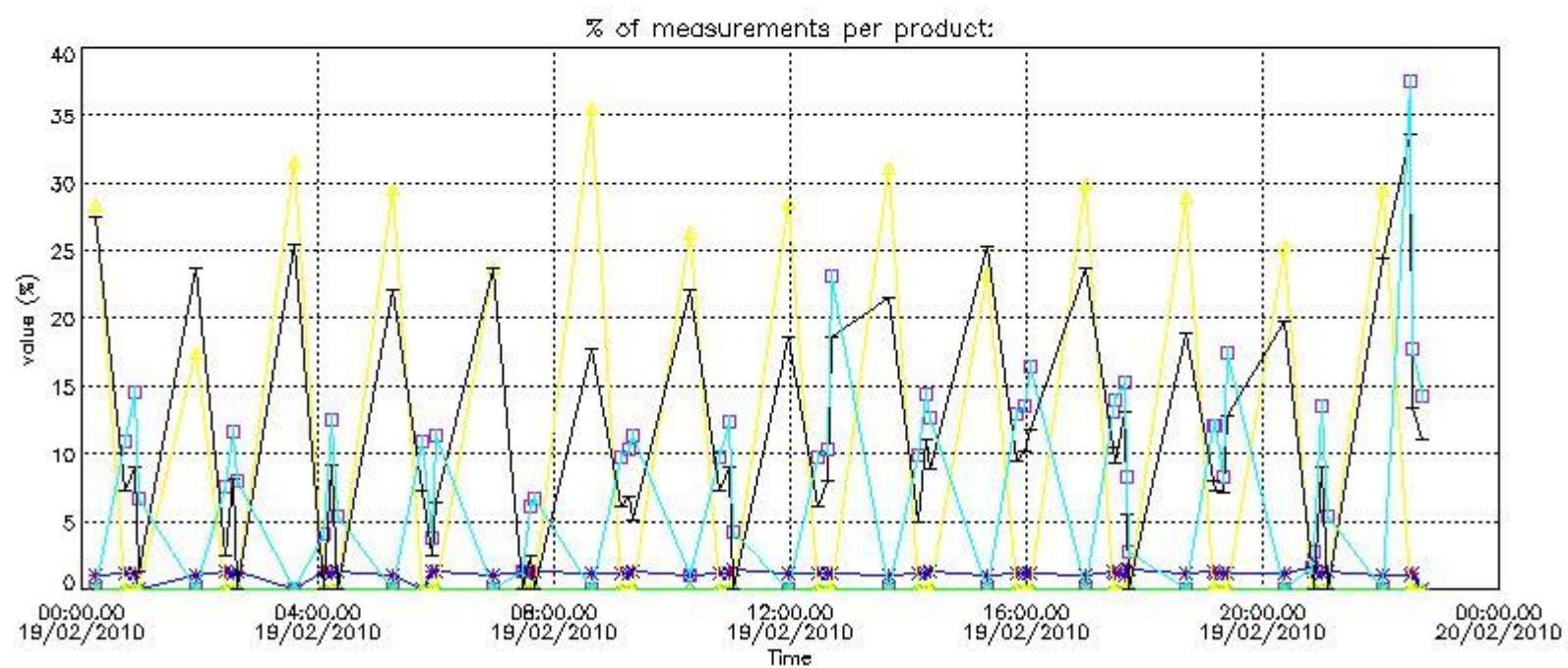
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

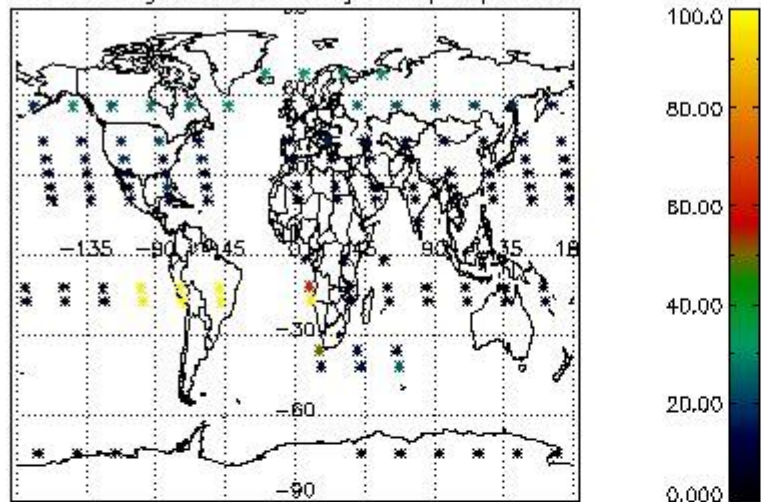




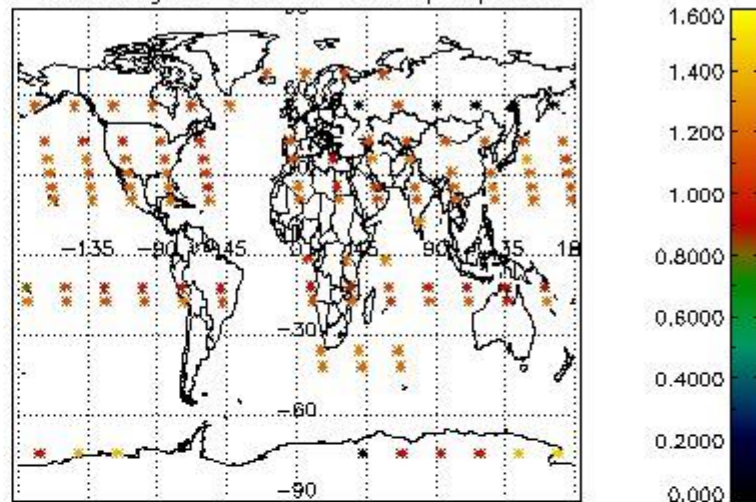
4.2 Plot quality information per product coming from level 1b processing (world map)

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

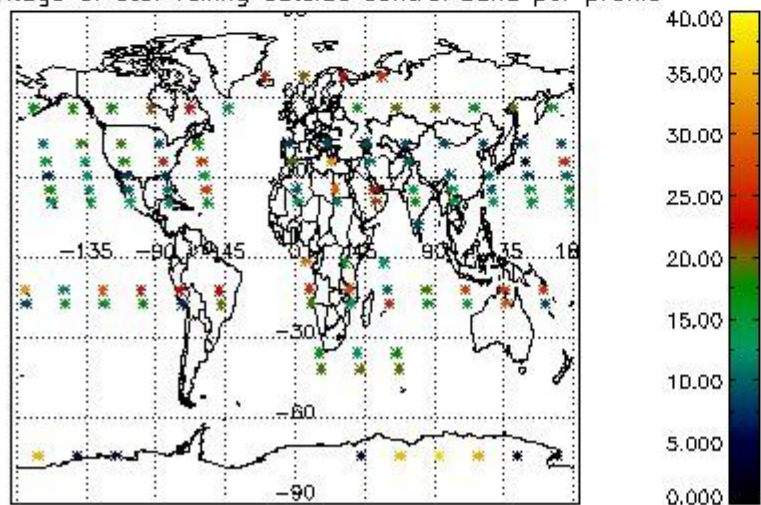
Percentage of cosmic ray hits per profile



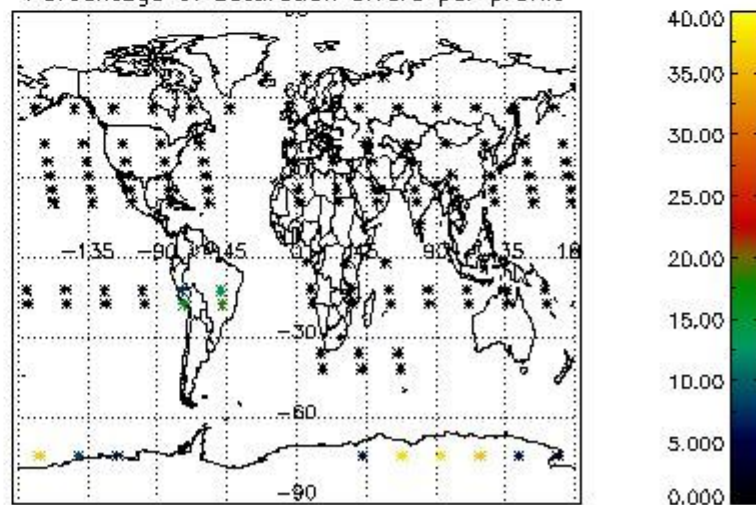
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

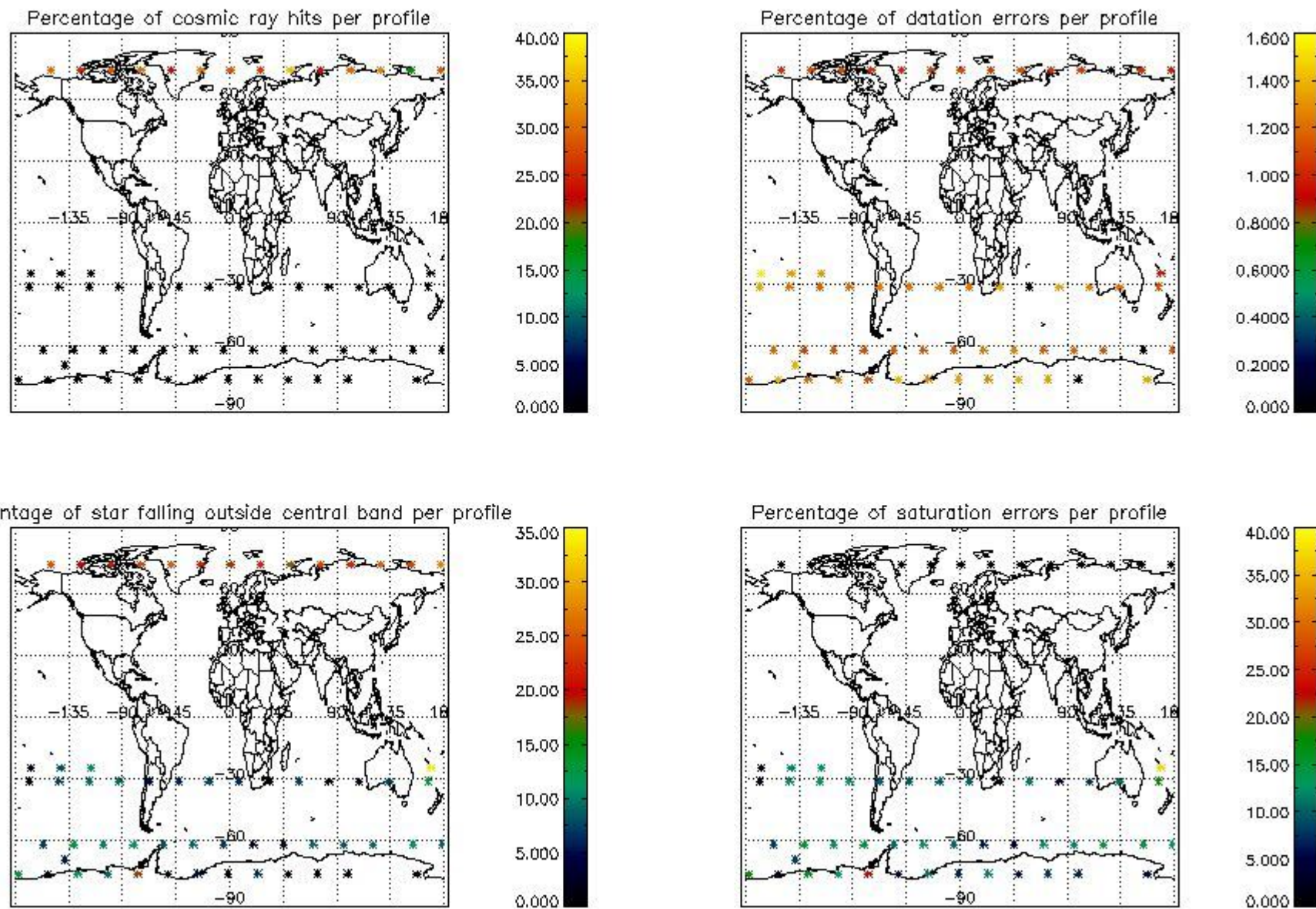


Percentage of saturation errors per profile



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

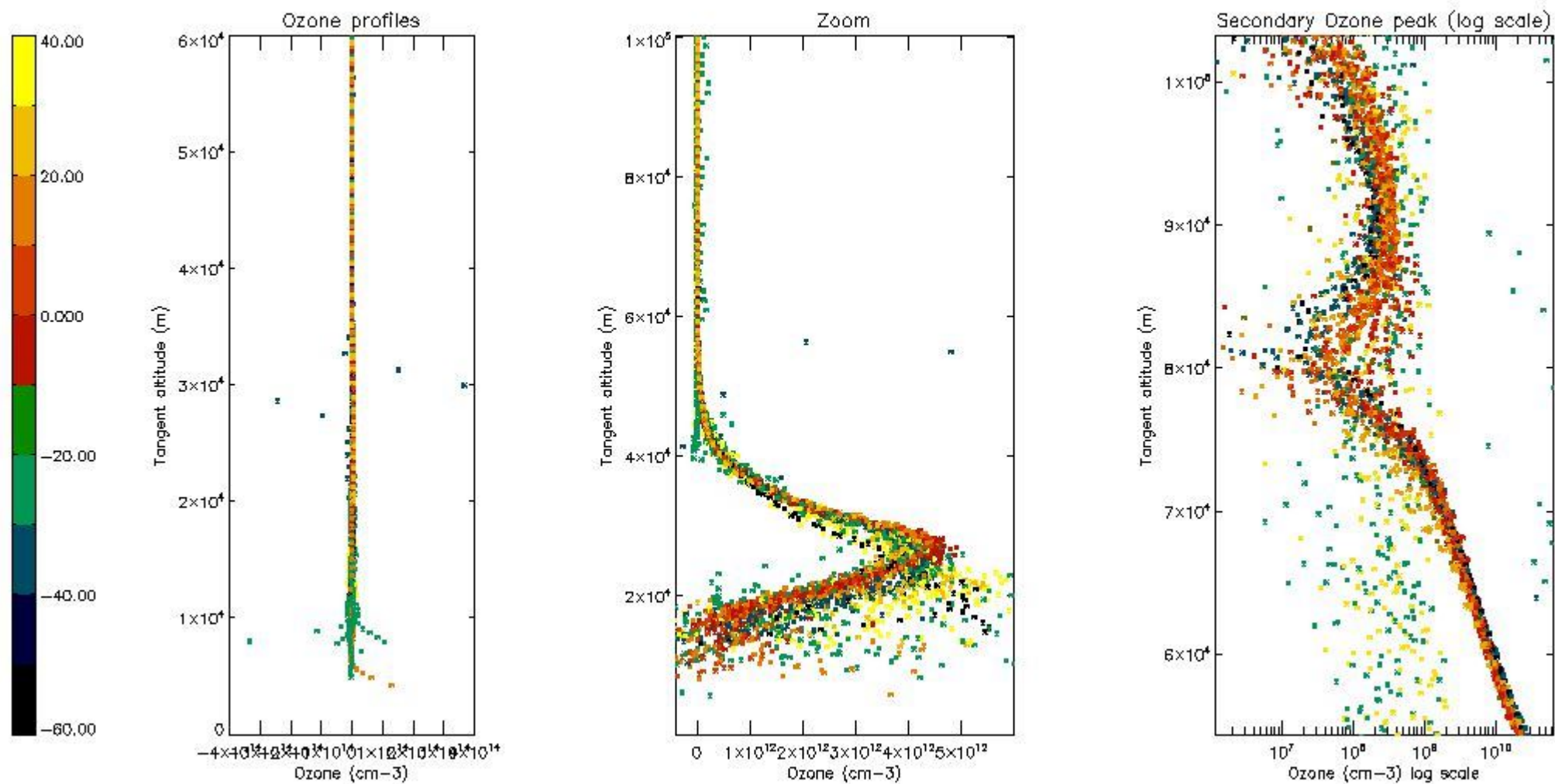
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	60
STD < 20	31

STD < 10	25
STD < 5	19

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

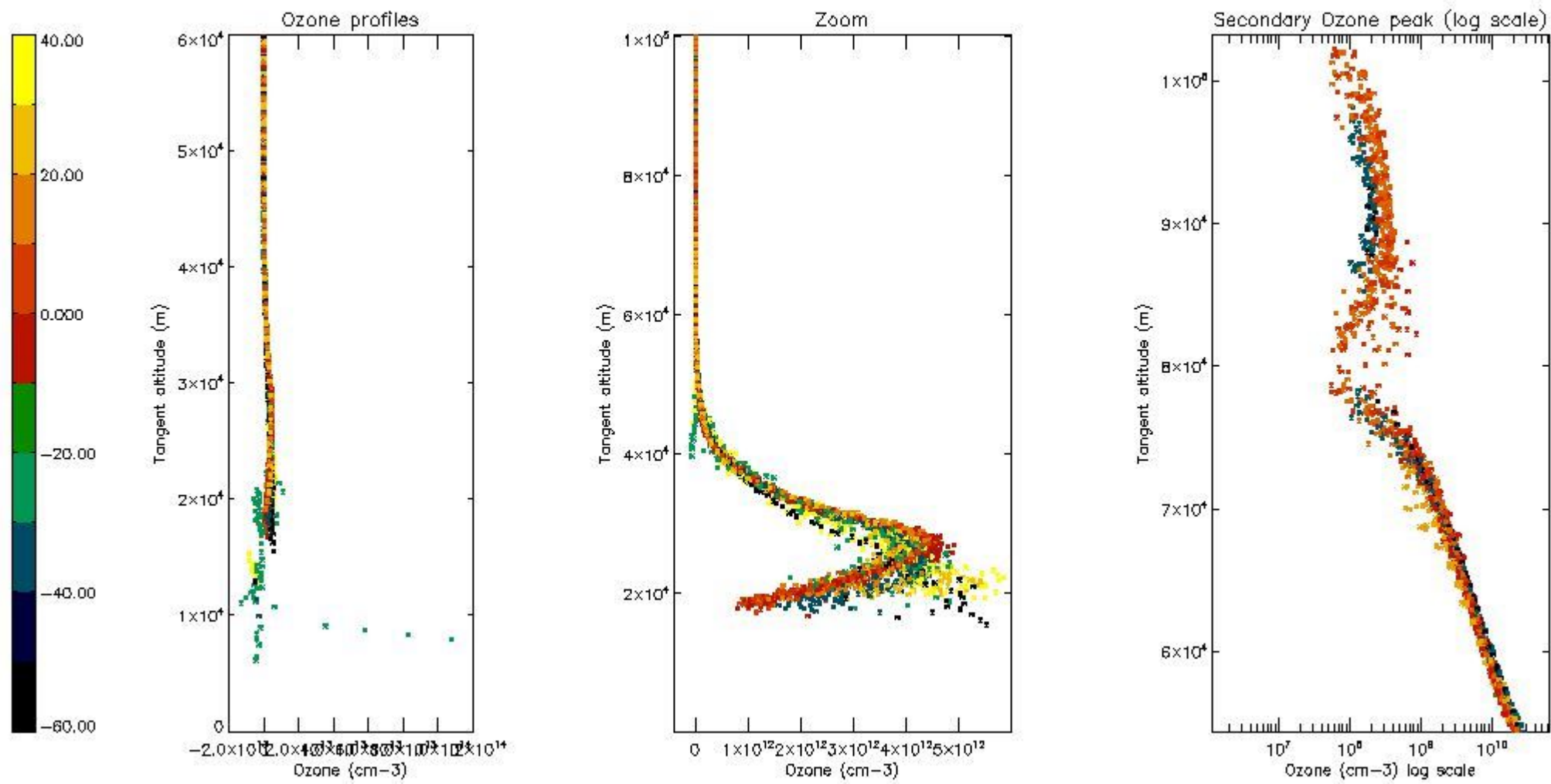
The colorbar represents the latitude.



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

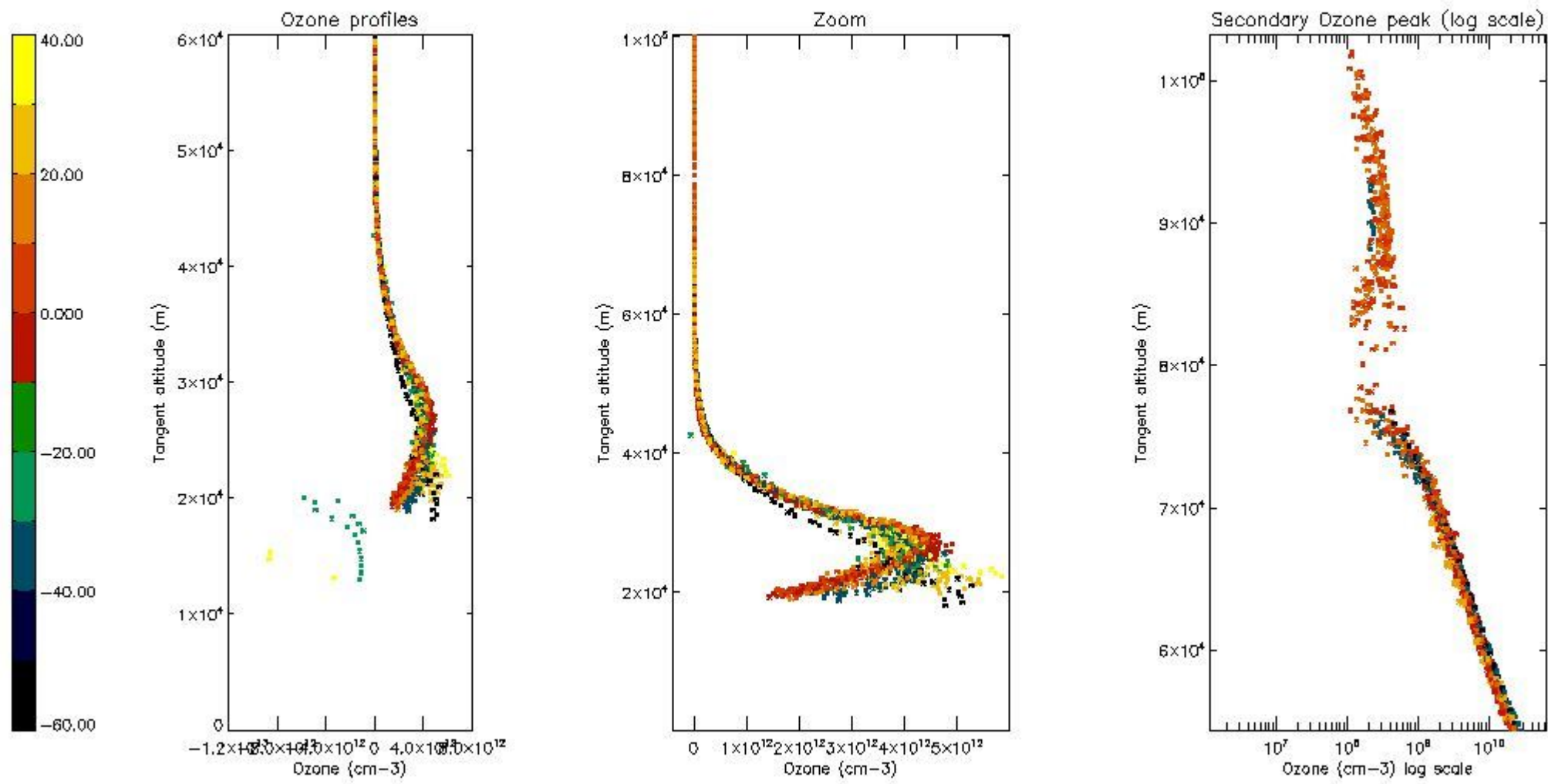
The colorbar represents the latitude.





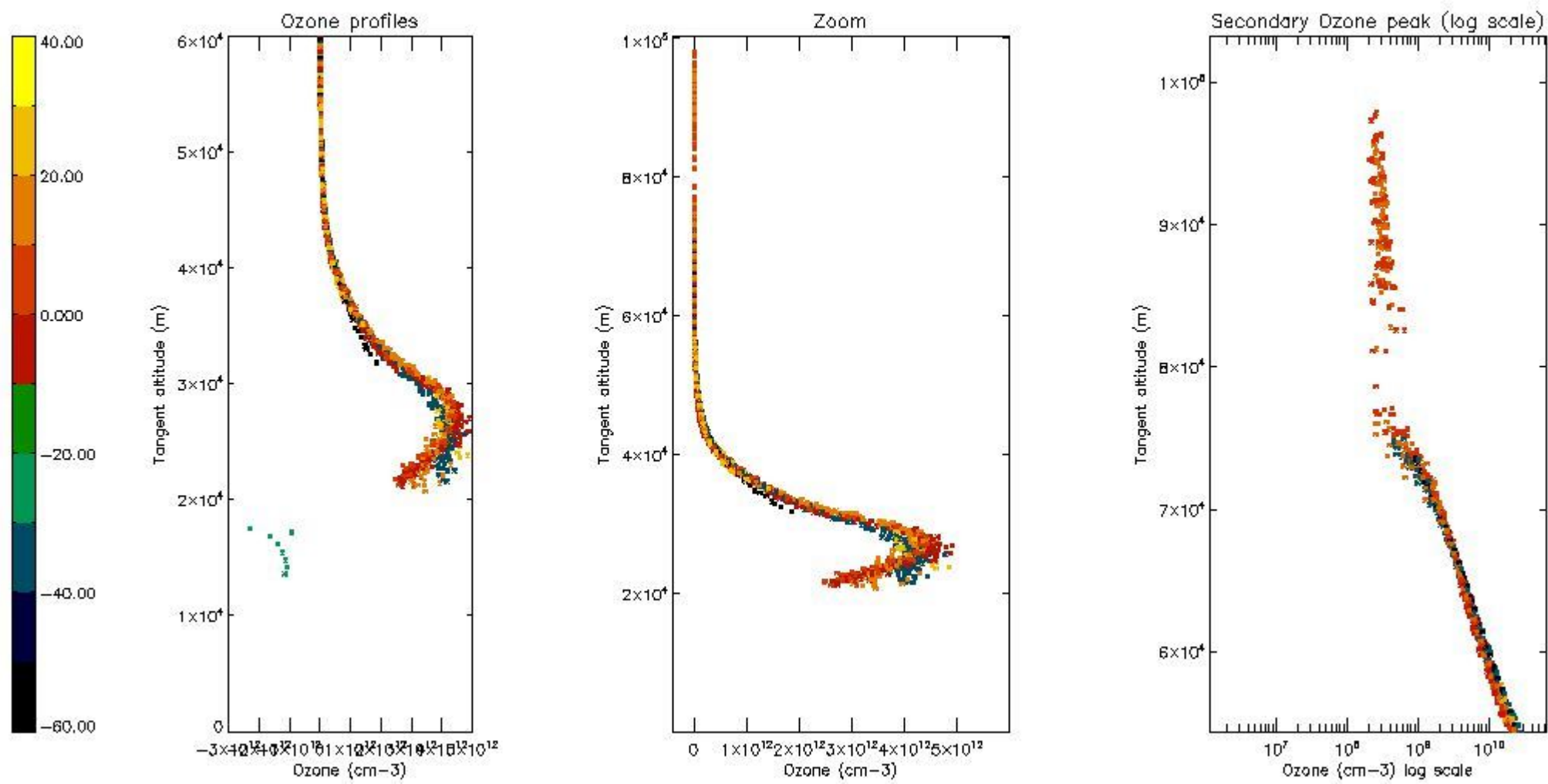
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



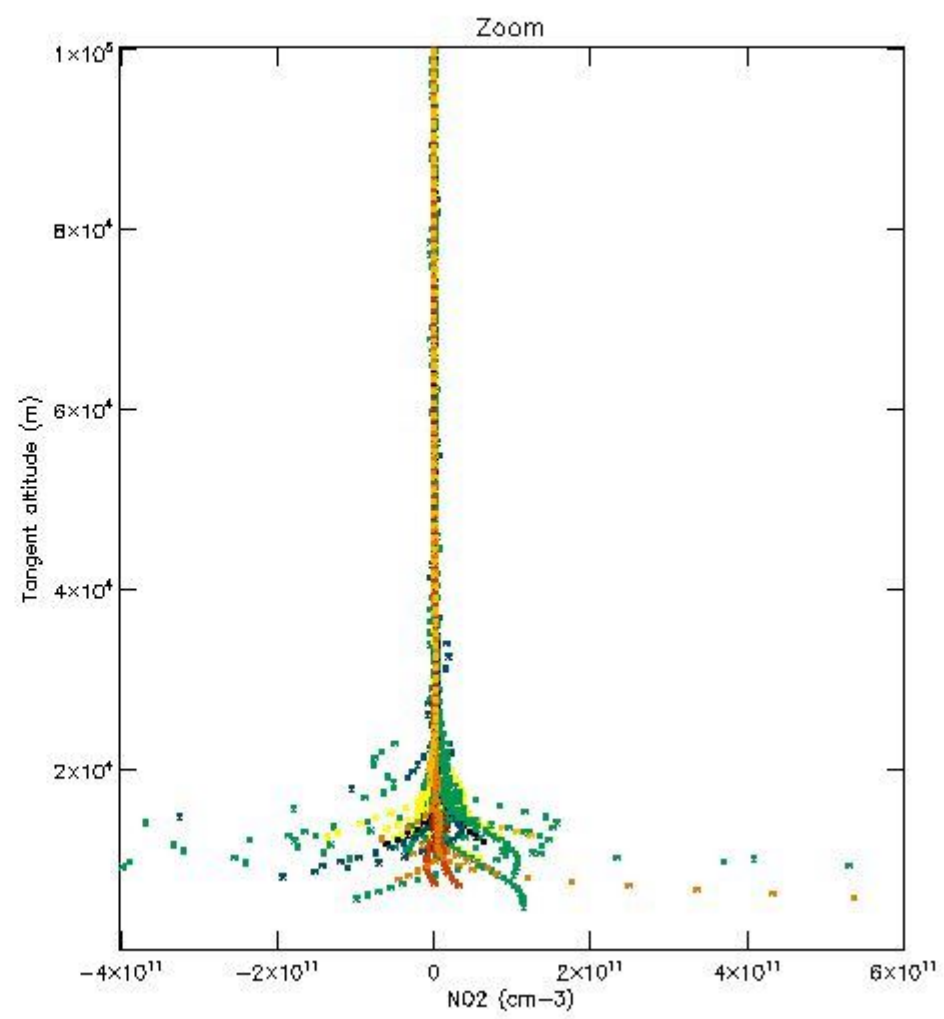
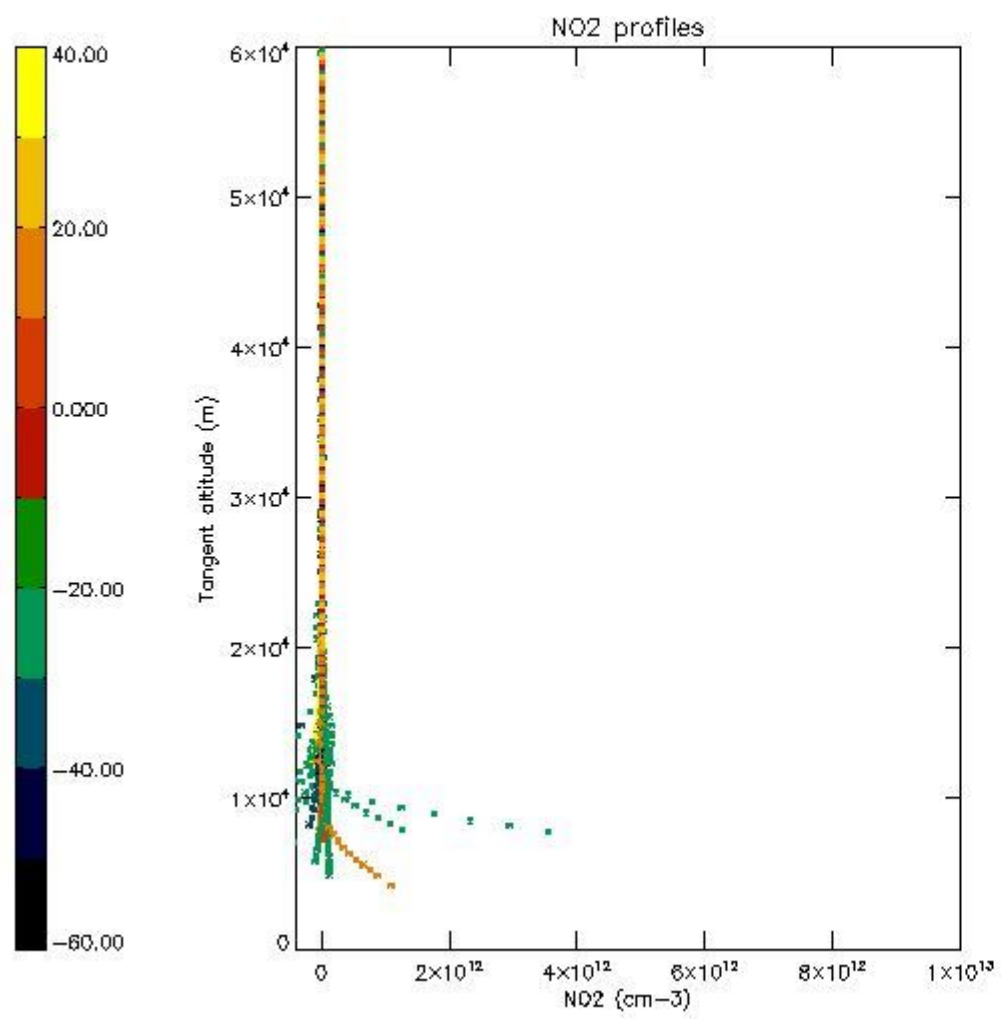
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

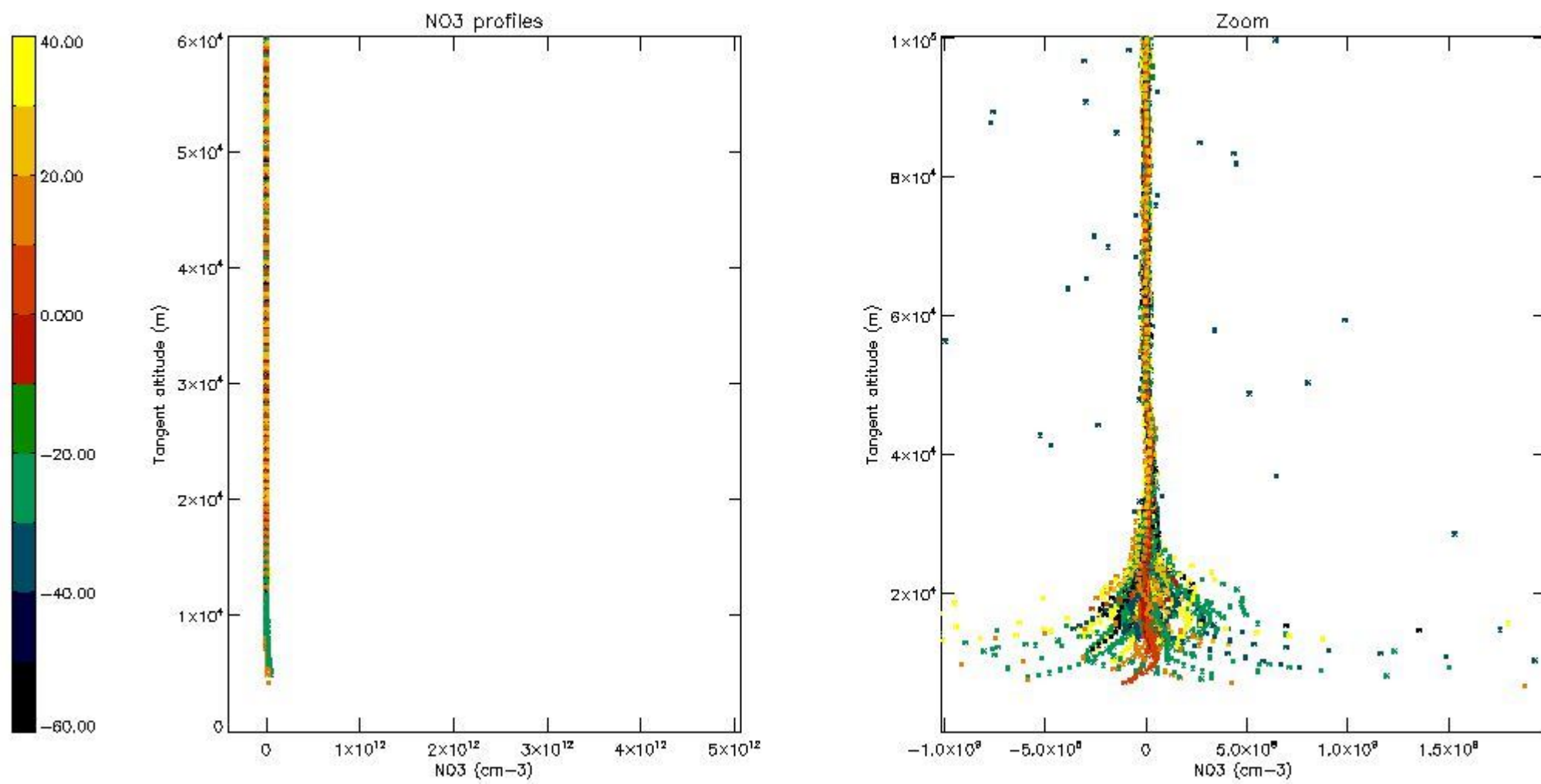
The colorbar represents the latitude.



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

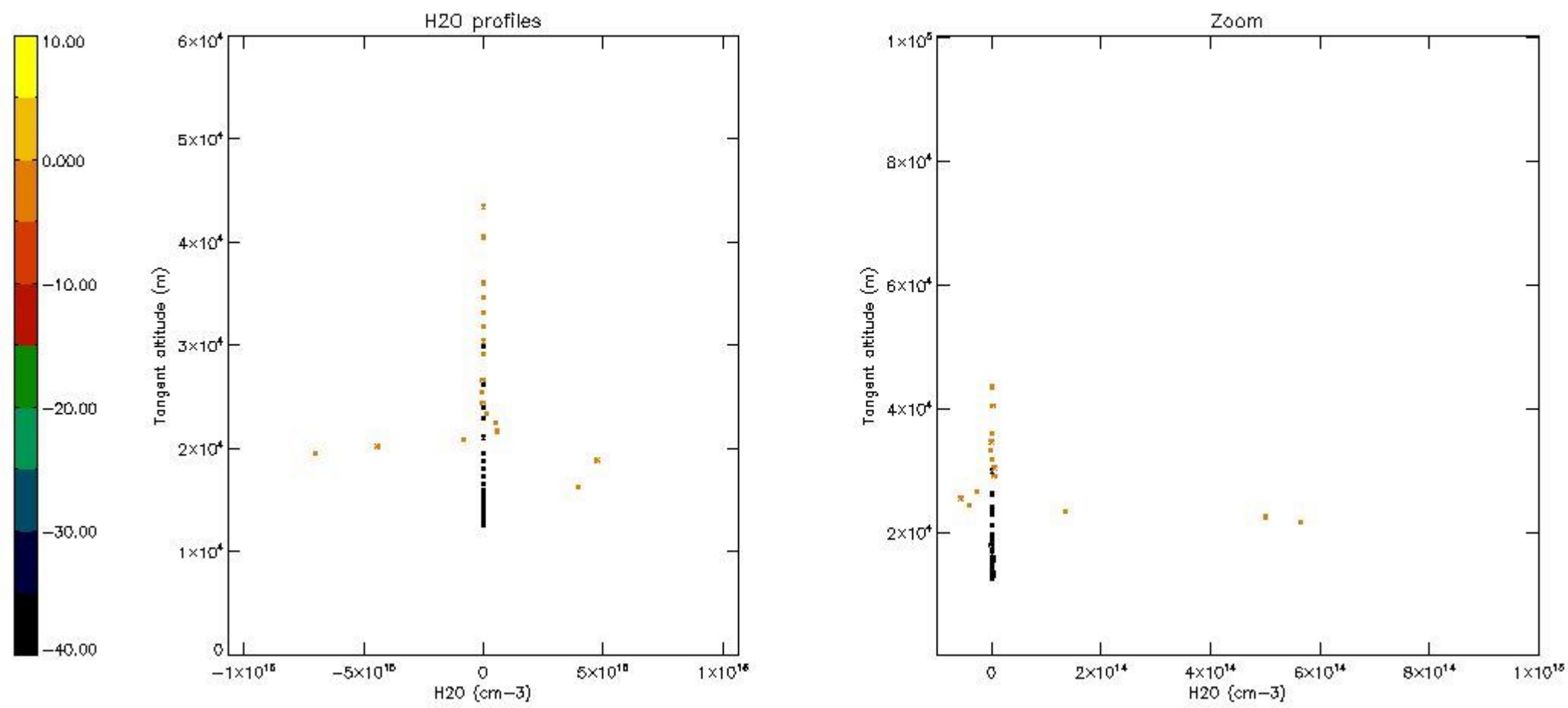
The colorbar represents the latitude.





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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-FEB-2010 00:01:26
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-FEB-2010 00:01:26
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-FEB-2010 00:01:26

# GOMOS Level 2 Daily Report

## SUMMARY

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

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#### [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](#)

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 17:31:28
Data source version	GOMOS/6.01
Start time of products	19-02-2010 (19FEB2010 00:00:00)
Stop time of products	20-02-2010 (20FEB2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	180
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__2PRFIN20100219_000126_000000432087_00045_41682_5762.N1	19-FEB-2010 00:01:26	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41682	No
2	GOM_NL__2PRFIN20100219_001443_000000512087_00045_41682_5763.N1	19-FEB-2010 00:14:43	Twilight	51.000	48	30Alp Hya	1.9770	4100.0	102	41682	No
3	GOM_NL__2PRFIN20100219_004442_000000422087_00045_41682_5764.N1	19-FEB-2010 00:44:42	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41682	No
4	GOM_NL__2PRFIN20100219_005329_000000452087_00045_41682_5765.N1	19-FEB-2010 00:53:29	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41682	No
5	GOM_NL__2PRFIN20100219_005754_000000372087_00045_41682_5766.N1	19-FEB-2010 00:57:54	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41682	No
6	GOM_NL__2PRFIN20100219_012124_000000462087_00045_41682_5767.N1	19-FEB-2010 01:21:24	Dark	46.000	25	35Lam Sco	1.6200	28000.	92	41682	No
7	GOM_NL__2PRFIN20100219_012249_000000532087_00045_41682_5768.N1	19-FEB-2010 01:22:49	Dark	53.000	75	26Eps Sco	2.2910	4250.0	106	41682	No
8	GOM_NL__2PRFIN20100219_013202_000000442087_00046_41683_5785.N1	19-FEB-2010 01:32:02	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41683	No
9	GOM_NL__2PRFIN20100219_013322_000000512087_00046_41683_5786.N1	19-FEB-2010 01:33:22	Dark	51.000	10	Bet Cen	0.61000	28000.	102	41683	No
10	GOM_NL__2PRFIN20100219_013451_000000472087_00046_41683_5787.N1	19-FEB-2010 01:34:51	Dark	47.000	77	Eps Cen	2.3030	28000.	94	41683	No
11	GOM_NL__2PRFIN20100219_013619_000000492087_00046_41683_5788.N1	19-FEB-2010 01:36:19	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	41683	No
12	GOM_NL__2PRFIN20100219_013812_000000502087_00046_41683_5789.N1	19-FEB-2010 01:38:12	Dark	49.500	64	Gam Cen	2.2000	10600.	99	41683	No
13	GOM_NL__2PRFIN20100219_014202_000000482087_00046_41683_5790.N1	19-FEB-2010 01:42:02	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	41683	No
14	GOM_NL__2PRFIN20100219_015519_000000492087_00046_41683_5791.N1	19-FEB-2010 01:55:19	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	41683	No
15	GOM_NL__2PRFIN20100219_022517_000000402087_00046_41683_5792.N1	19-FEB-2010 02:25:17	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41683	No
16	GOM_NL__2PRFIN20100219_023405_000000432087_00046_41683_5793.N1	19-FEB-2010 02:34:05	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41683	No
17	GOM_NL__2PRFIN20100219_023830_000000382087_00046_41683_5794.N1	19-FEB-2010 02:38:30	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	41683	No
18	GOM_NL__2PRFIN20100219_030201_000000412087_00046_41683_5795.N1	19-FEB-2010 03:02:01	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	41683	No
19	GOM_NL__2PRFIN20100219_030326_000000532087_00046_41683_5796.N1	19-FEB-2010 03:03:26	Dark	53.000	75	26Eps Sco	2.2910	4250.0	106	41683	No
20	GOM_NL__2PRFIN20100219_031239_000000432087_00047_41684_5793.N1	19-FEB-2010 03:12:39	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41684	No
21	GOM_NL__2PRFIN20100219_031358_000000422087_00047_41684_5794.N1	19-FEB-2010 03:13:58	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41684	No
22	GOM_NL__2PRFIN20100219_031527_000000432087_00047_41684_5795.N1	19-FEB-2010 03:15:27	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41684	No
23	GOM_NL__2PRFIN20100219_031656_000000462087_00047_41684_5796.N1	19-FEB-2010 03:16:56	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	41684	No
24	GOM_NL__2PRFIN20100219_031849_000000452087_00047_41684_5797.N1	19-FEB-2010 03:18:49	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41684	No
25	GOM_NL__2PRFIN20100219_032238_000000462087_00047_41684_5798.N1	19-FEB-2010 03:22:38	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	41684	No
26	GOM_NL__2PRFIN20100219_033555_000000492087_00047_41684_5799.N1	19-FEB-2010 03:35:55	Twilight	49.000	48	30Alp Hya	1.9770	4100.0	98	41684	No
27	GOM_NL__2PRFIN20100219_040553_000000382087_00047_41684_5800.N1	19-FEB-2010 04:05:53	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	41684	No
28	GOM_NL__2PRFIN20100219_041440_000000442087_00047_41684_5801.N1	19-FEB-2010 04:14:40	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	41684	No
29	GOM_NL__2PRFIN20100219_041906_000000372087_00047_41684_5802.N1	19-FEB-2010 04:19:06	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41684	No
30	GOM_NL__2PRFIN20100219_044237_000000462087_00047_41684_5803.N1	19-FEB-2010 04:42:37	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	41684	No
31	GOM_NL__2PRFIN20100219_044403_000000532087_00047_41684_5804.N1	19-FEB-2010 04:44:03	Dark	52.500	75	26Eps Sco	2.2910	4250.0	105	41684	No
32	GOM_NL__2PRFIN20100219_045315_000000432087_00048_41685_5801.N1	19-FEB-2010 04:53:15	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41685	No
33	GOM_NL__2PRFIN20100219_045435_000000422087_00048_41685_5802.N1	19-FEB-2010 04:54:35	Dark	41.500	10	Bet Cen	0.61000	28000.	83	41685	No
34	GOM_NL__2PRFIN20100219_045604_000000432087_00048_41685_5803.N1	19-FEB-2010 04:56:04	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41685	No
35	GOM_NL__2PRFIN20100219_045732_000000442087_00048_41685_5804.N1	19-FEB-2010 04:57:32	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	41685	No
36	GOM_NL__2PRFIN20100219_045926_000000512087_00048_41685_5805.N1	19-FEB-2010 04:59:26	Dark	51.000	64	Gam Cen	2.2000	10600.	102	41685	No
37	GOM_NL__2PRFIN20100219_050315_000000452087_00048_41685_5806.N1	19-FEB-2010 05:03:15	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41685	No
38	GOM_NL__2PRFIN20100219_051631_000000482087_00048_41685_5807.N1	19-FEB-2010 05:16:31	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	41685	No
39	GOM_NL__2PRFIN20100219_054629_000000412087_00048_41685_5808.N1	19-FEB-2010 05:46:29	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41685	No
40	GOM_NL__2PRFIN20100219_055516_000000402087_00048_41685_5809.N1	19-FEB-2010 05:55:16	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	41685	No
41	GOM_NL__2PRFIN20100219_055942_000000402087_00048_41685_5810.N1	19-FEB-2010 05:59:42	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41685	No
42	GOM_NL__2PRFIN20100219_062314_000000452087_00048_41685_5811.N1	19-FEB-2010 06:23:14	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41685	No



43	GOM_NL__2PRFIN20100219_062440_000000572087_00048_41685_5812.N1	19-FEB-2010 06:24:40	Dark	56.500	75	26Eps Sco	2.2910	4250.0	113	41685	No
44	GOM_NL__2PRFIN20100219_063352_000000432087_00049_41686_5819.N1	19-FEB-2010 06:33:52	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41686	No
45	GOM_NL__2PRFIN20100219_063512_000000432087_00049_41686_5820.N1	19-FEB-2010 06:35:12	Dark	42.500	10	Bet Cen	0.61000	28000.	85	41686	No
46	GOM_NL__2PRFIN20100219_063641_000000452087_00049_41686_5821.N1	19-FEB-2010 06:36:41	Dark	45.000	77	Eps Cen	2.3030	28000.	90	41686	No
47	GOM_NL__2PRFIN20100219_063809_000000422087_00049_41686_5822.N1	19-FEB-2010 06:38:09	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41686	No
48	GOM_NL__2PRFIN20100219_064002_000000512087_00049_41686_5823.N1	19-FEB-2010 06:40:02	Dark	51.000	64	Gam Cen	2.2000	10600.	102	41686	No
49	GOM_NL__2PRFIN20100219_064351_000000452087_00049_41686_5824.N1	19-FEB-2010 06:43:51	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41686	No
50	GOM_NL__2PRFIN20100219_065707_000000492087_00049_41686_5825.N1	19-FEB-2010 06:57:07	Tw_i_and_stray	48.500	48	30Alp Hya	1.9770	4100.0	97	41686	No
51	GOM_NL__2PRFIN20100219_072704_000000372087_00049_41686_5826.N1	19-FEB-2010 07:27:04	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41686	No
52	GOM_NL__2PRFIN20100219_073552_000000412087_00049_41686_5827.N1	19-FEB-2010 07:35:52	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41686	No
53	GOM_NL__2PRFIN20100219_074018_000000382087_00049_41686_5828.N1	19-FEB-2010 07:40:18	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	41686	No
54	GOM_NL__2PRFIN20100219_074722_000000362087_00049_41686_5829.N1	19-FEB-2010 07:47:22	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	41686	No
55	GOM_NL__2PRFIN20100219_080351_000000452087_00049_41686_5830.N1	19-FEB-2010 08:03:51	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41686	No
56	GOM_NL__2PRFIN20100219_080517_000000472087_00049_41686_5831.N1	19-FEB-2010 08:05:17	Dark	47.000	75	26Eps Sco	2.2910	4250.0	94	41686	No
57	GOM_NL__2PRFIN20100219_081429_000000432087_00050_41687_5826.N1	19-FEB-2010 08:14:29	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41687	No
58	GOM_NL__2PRFIN20100219_081548_000000452087_00050_41687_5827.N1	19-FEB-2010 08:15:48	Dark	44.500	10	Bet Cen	0.61000	28000.	89	41687	No
59	GOM_NL__2PRFIN20100219_081718_000000432087_00050_41687_5828.N1	19-FEB-2010 08:17:18	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41687	No
60	GOM_NL__2PRFIN20100219_081845_000000422087_00050_41687_5829.N1	19-FEB-2010 08:18:45	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	41687	No
61	GOM_NL__2PRFIN20100219_082039_000000472087_00050_41687_5830.N1	19-FEB-2010 08:20:39	Dark	46.500	64	Gam Cen	2.2000	10600.	93	41687	No
62	GOM_NL__2PRFIN20100219_082428_000000452087_00050_41687_5831.N1	19-FEB-2010 08:24:28	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41687	No
63	GOM_NL__2PRFIN20100219_083743_000000452087_00050_41687_5832.N1	19-FEB-2010 08:37:43	Tw_i_and_stray	45.000	48	30Alp Hya	1.9770	4100.0	90	41687	No
64	GOM_NL__2PRFIN20100219_090740_000000412087_00050_41687_5833.N1	19-FEB-2010 09:07:40	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41687	No
65	GOM_NL__2PRFIN20100219_091627_000000442087_00050_41687_5834.N1	19-FEB-2010 09:16:27	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	41687	No
66	GOM_NL__2PRFIN20100219_092054_000000402087_00050_41687_5835.N1	19-FEB-2010 09:20:54	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41687	No
67	GOM_NL__2PRFIN20100219_092759_000000362087_00050_41687_5836.N1	19-FEB-2010 09:27:59	Bright	36.000	168	17Zet Aql	2.9860	11000.	72	41687	No
68	GOM_NL__2PRFIN20100219_094427_000000412087_00050_41687_5837.N1	19-FEB-2010 09:44:27	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	41687	No
69	GOM_NL__2PRFIN20100219_094554_000000612087_00050_41687_5838.N1	19-FEB-2010 09:45:54	Dark	61.000	75	26Eps Sco	2.2910	4250.0	122	41687	No
70	GOM_NL__2PRFIN20100219_095505_000000442087_00051_41688_5836.N1	19-FEB-2010 09:55:05	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41688	No
71	GOM_NL__2PRFIN20100219_095625_000000452087_00051_41688_5837.N1	19-FEB-2010 09:56:25	Dark	45.000	10	Bet Cen	0.61000	28000.	90	41688	No
72	GOM_NL__2PRFIN20100219_095754_000000452087_00051_41688_5838.N1	19-FEB-2010 09:57:54	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41688	No
73	GOM_NL__2PRFIN20100219_095921_000000482087_00051_41688_5839.N1	19-FEB-2010 09:59:21	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	41688	No
74	GOM_NL__2PRFIN20100219_100116_000000452087_00051_41688_5840.N1	19-FEB-2010 10:01:16	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41688	No
75	GOM_NL__2PRFIN20100219_100504_000000432087_00051_41688_5841.N1	19-FEB-2010 10:05:04	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41688	No
76	GOM_NL__2PRFIN20100219_101819_000000482087_00051_41688_5842.N1	19-FEB-2010 10:18:19	Tw_i_and_stray	47.500	48	30Alp Hya	1.9770	4100.0	95	41688	No
77	GOM_NL__2PRFIN20100219_104816_000000412087_00051_41688_5843.N1	19-FEB-2010 10:48:16	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41688	No
78	GOM_NL__2PRFIN20100219_105703_000000452087_00051_41688_5844.N1	19-FEB-2010 10:57:03	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41688	No
79	GOM_NL__2PRFIN20100219_110130_000000362087_00051_41688_5845.N1	19-FEB-2010 11:01:30	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41688	No
80	GOM_NL__2PRFIN20100219_110834_000000532087_00051_41688_5846.N1	19-FEB-2010 11:08:34	Bright	53.000	168	17Zet Aql	2.9860	11000.	106	41688	No
81	GOM_NL__2PRFIN20100219_112504_000000412087_00051_41688_5847.N1	19-FEB-2010 11:25:04	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	41688	No
82	GOM_NL__2PRFIN20100219_112630_000000562087_00051_41688_5848.N1	19-FEB-2010 11:26:30	Dark	56.000	75	26Eps Sco	2.2910	4250.0	112	41688	No
83	GOM_NL__2PRFIN20100219_113542_000000432087_00052_41689_5846.N1	19-FEB-2010 11:35:42	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41689	No
84	GOM_NL__2PRFIN20100219_113701_000000442087_00052_41689_5847.N1	19-FEB-2010 11:37:01	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41689	No
85	GOM_NL__2PRFIN20100219_113831_000000442087_00052_41689_5848.N1	19-FEB-2010 11:38:31	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41689	No
86	GOM_NL__2PRFIN20100219_113958_000000382087_00052_41689_5849.N1	19-FEB-2010 11:39:58	Dark	38.000	12	Alp1Cru	0.77500	30000.	76	41689	No
87	GOM_NL__2PRFIN20100219_114153_000000452087_00052_41689_5850.N1	19-FEB-2010 11:41:53	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41689	No
88	GOM_NL__2PRFIN20100219_114540_000000452087_00052_41689_5851.N1	19-FEB-2010 11:45:40	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41689	No
89	GOM_NL__2PRFIN20100219_115855_000000462087_00052_41689_5852.N1	19-FEB-2010 11:58:55	Tw_i_and_stray	45.500	48	30Alp Hya	1.9770	4100.0	91	41689	No
90	GOM_NL__2PRFIN20100219_122851_000000412087_00052_41689_5853.N1	19-FEB-2010 12:28:51	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41689	No
91	GOM_NL__2PRFIN20100219_123739_000000442087_00052_41689_5854.N1	19-FEB-2010 12:37:39	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	41689	No
92	GOM_NL__2PRFIN20100219_124206_000000462087_00052_41689_5855.N1	19-FEB-2010 12:42:06	Bright	45.500	5	3Alp Lyr	0.033000	11000.	91	41689	No
93	GOM_NL__2PRFIN20100219_124910_000000342087_00052_41689_5856.N1	19-FEB-2010 12:49:10	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	41689	No
94	GOM_NL__2PRFIN20100219_130540_000000522087_00052_41689_5857.N1	19-FEB-2010 13:05:40	Dark	51.500	25	35Lam Sco	1.6200	28000.	103	41689	No
95	GOM_NL__2PRFIN20100219_130707_000000562087_00052_41689_5858.N1	19-FEB-2010 13:07:07	Dark	55.500	75	26Eps Sco	2.2910	4250.0	111	41689	No
96	GOM_NL__2PRFIN20100219_131618_000000442087_00053_41690_5854.N1	19-FEB-2010 13:16:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41690	No
97	GOM_NL__2PRFIN20100219_131738_000000412087_00053_41690_5855.N1	19-FEB-2010 13:17:38	Dark	41.000	10	Bet Cen	0.61000	28000.	82	41690	No
98	GOM_NL__2PRFIN20100219_131907_000000452087_00053_41690_5856.N1	19-FEB-2010 13:19:07	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41690	No
99	GOM_NL__2PRFIN20100219_132229_000000452087_00053_41690_5857.N1	19-FEB-2010 13:22:29	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41690	No
100	GOM_NL__2PRFIN20100219_132617_000000432087_00053_41690_5858.N1	19-FEB-2010 13:26:17	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41690	No
101	GOM_NL__2PRFIN20100219_133931_000000472087_00053_41690_5859.N1	19-FEB-2010 13:39:31	Tw_i_and_stray	46.500	48	30Alp Hya	1.9770	4100.0	93	41690	No

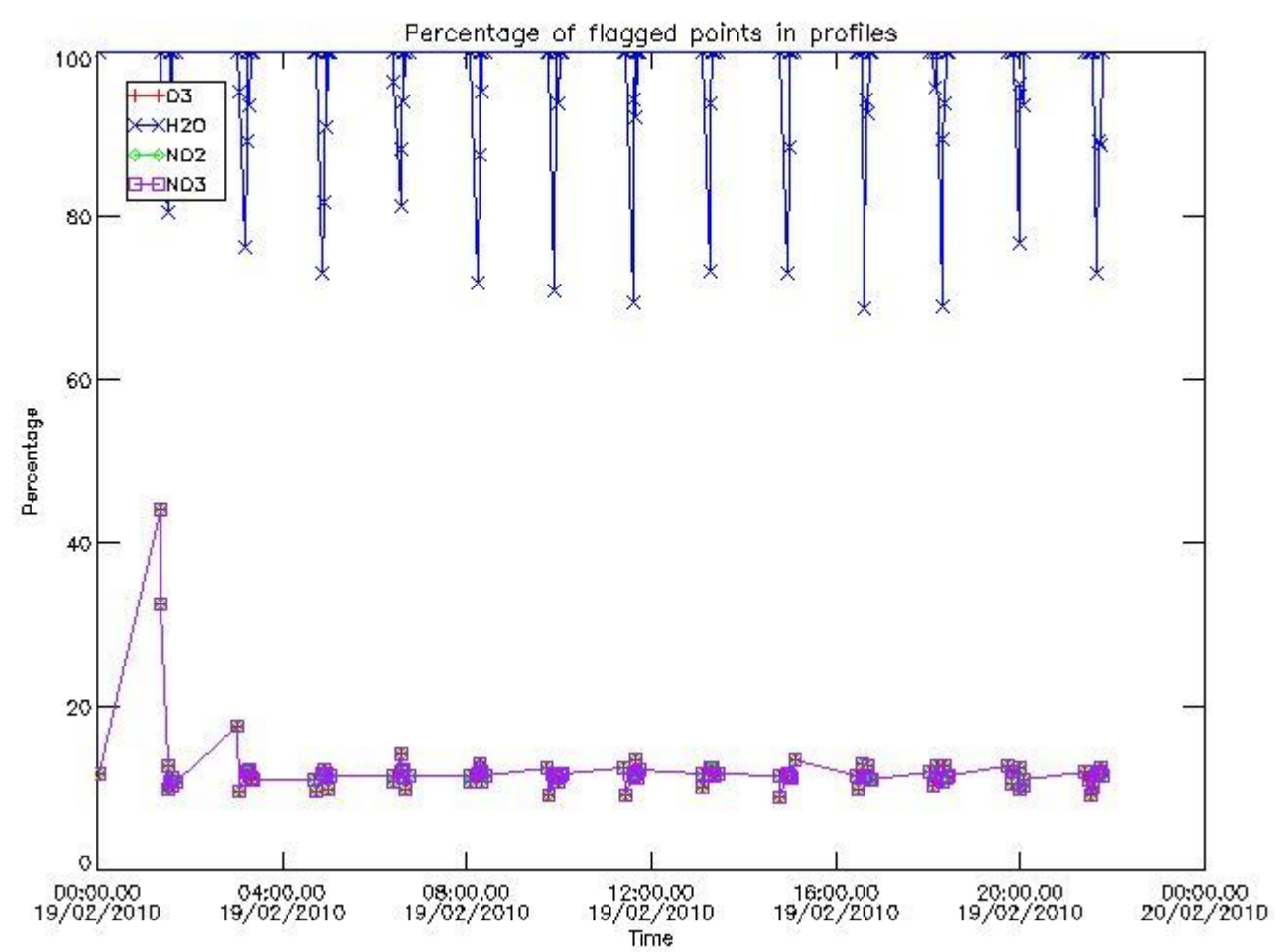
102	GOM_NL__2PRFIN20100219_140927_000000412087_00053_41690_5860.N1	19-FEB-2010 14:09:27	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41690	No
103	GOM_NL__2PRFIN20100219_141815_000000452087_00053_41690_5861.N1	19-FEB-2010 14:18:15	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	41690	No
104	GOM_NL__2PRFIN20100219_142242_000000402087_00053_41690_5862.N1	19-FEB-2010 14:22:42	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41690	No
105	GOM_NL__2PRFIN20100219_142947_000000362087_00053_41690_5863.N1	19-FEB-2010 14:29:47	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	41690	No
106	GOM_NL__2PRFIN20100219_144617_000000442087_00053_41690_5864.N1	19-FEB-2010 14:46:17	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41690	No
107	GOM_NL__2PRFIN20100219_144744_000000572087_00053_41690_5865.N1	19-FEB-2010 14:47:44	Dark	56.500	75	26Eps Sco	2.2910	4250.0	113	41690	No
108	GOM_NL__2PRFIN20100219_145655_000000432087_00054_41691_5871.N1	19-FEB-2010 14:56:55	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41691	No
109	GOM_NL__2PRFIN20100219_145814_000000442087_00054_41691_5872.N1	19-FEB-2010 14:58:14	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41691	No
110	GOM_NL__2PRFIN20100219_145944_000000442087_00054_41691_5873.N1	19-FEB-2010 14:59:44	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41691	No
111	GOM_NL__2PRFIN20100219_150306_000000452087_00054_41691_5874.N1	19-FEB-2010 15:03:06	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41691	No
112	GOM_NL__2PRFIN20100219_150653_000000452087_00054_41691_5875.N1	19-FEB-2010 15:06:53	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41691	No
113	GOM_NL__2PRFIN20100219_152007_000000502087_00054_41691_5876.N1	19-FEB-2010 15:20:07	Twilight	49.500	48	30Alp Hya	1.9770	4100.0	99	41691	No
114	GOM_NL__2PRFIN20100219_155002_000000432087_00054_41691_5877.N1	19-FEB-2010 15:50:02	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41691	No
115	GOM_NL__2PRFIN20100219_155851_000000452087_00054_41691_5878.N1	19-FEB-2010 15:58:51	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41691	No
116	GOM_NL__2PRFIN20100219_160318_000000432087_00054_41691_5879.N1	19-FEB-2010 16:03:18	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	41691	No
117	GOM_NL__2PRFIN20100219_161023_000000532087_00054_41691_5880.N1	19-FEB-2010 16:10:23	Bright	52.500	168	17Zet Aql	2.9860	11000.	105	41691	No
118	GOM_NL__2PRFIN20100219_162654_000000452087_00054_41691_5881.N1	19-FEB-2010 16:26:54	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41691	No
119	GOM_NL__2PRFIN20100219_162821_000000512087_00054_41691_5882.N1	19-FEB-2010 16:28:21	Dark	51.000	75	26Eps Sco	2.2910	4250.0	102	41691	No
120	GOM_NL__2PRFIN20100219_163509_000000402087_00055_41692_5879.N1	19-FEB-2010 16:35:09	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	41692	No
121	GOM_NL__2PRFIN20100219_163731_000000452087_00055_41692_5880.N1	19-FEB-2010 16:37:31	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	41692	No
122	GOM_NL__2PRFIN20100219_163851_000000442087_00055_41692_5881.N1	19-FEB-2010 16:38:51	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41692	No
123	GOM_NL__2PRFIN20100219_164147_000000402087_00055_41692_5882.N1	19-FEB-2010 16:41:47	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41692	No
124	GOM_NL__2PRFIN20100219_164342_000000462087_00055_41692_5883.N1	19-FEB-2010 16:43:42	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41692	No
125	GOM_NL__2PRFIN20100219_164729_000000462087_00055_41692_5884.N1	19-FEB-2010 16:47:29	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	41692	No
126	GOM_NL__2PRFIN20100219_165057_000000472087_00055_41692_5885.N1	19-FEB-2010 16:50:57	Straylight	46.500	65	Lam Vel	2.2040	4400.0	93	41692	No
127	GOM_NL__2PRFIN20100219_170043_000000492087_00055_41692_5886.N1	19-FEB-2010 17:00:43	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	41692	No
128	GOM_NL__2PRFIN20100219_172852_000000382087_00055_41692_5887.N1	19-FEB-2010 17:28:52	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41692	No
129	GOM_NL__2PRFIN20100219_173038_000000432087_00055_41692_5888.N1	19-FEB-2010 17:30:38	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	41692	No
130	GOM_NL__2PRFIN20100219_173926_000000462087_00055_41692_5889.N1	19-FEB-2010 17:39:26	Bright	46.000	130	23Bet Dra	2.7990	5800.0	92	41692	No
131	GOM_NL__2PRFIN20100219_174141_000000362087_00055_41692_5890.N1	19-FEB-2010 17:41:41	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	41692	No
132	GOM_NL__2PRFIN20100219_174354_000000362087_00055_41692_5891.N1	19-FEB-2010 17:43:54	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41692	No
133	GOM_NL__2PRFIN20100219_175059_000000542087_00055_41692_5892.N1	19-FEB-2010 17:50:59	Bright	54.000	168	17Zet Aql	2.9860	11000.	108	41692	No
134	GOM_NL__2PRFIN20100219_180035_000000422087_00055_41692_5893.N1	19-FEB-2010 18:00:35	Twilight	42.000	155	41Pi Sgr	2.9000	6600.0	84	41692	No
135	GOM_NL__2PRFIN20100219_180217_000000432087_00055_41692_5894.N1	19-FEB-2010 18:02:17	Dark	42.500	57	34Sig Sgr	2.0660	26000.	85	41692	No
136	GOM_NL__2PRFIN20100219_180730_000000492087_00055_41692_5895.N1	19-FEB-2010 18:07:30	Dark	49.000	25	35Lam Sco	1.6200	28000.	98	41692	No
137	GOM_NL__2PRFIN20100219_180858_000000462087_00055_41692_5896.N1	19-FEB-2010 18:08:58	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	41692	No
138	GOM_NL__2PRFIN20100219_181148_000000402087_00055_41692_5897.N1	19-FEB-2010 18:11:48	Dark	40.000	141	Bet Ara	2.8400	4600.0	80	41692	No
139	GOM_NL__2PRFIN20100219_181808_000000472087_00056_41693_5907.N1	19-FEB-2010 18:18:08	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	41693	No
140	GOM_NL__2PRFIN20100219_181927_000000482087_00056_41693_5908.N1	19-FEB-2010 18:19:27	Dark	47.500	10	Bet Cen	0.61000	28000.	95	41693	No
141	GOM_NL__2PRFIN20100219_182224_000000402087_00056_41693_5909.N1	19-FEB-2010 18:22:24	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41693	No
142	GOM_NL__2PRFIN20100219_182419_000000452087_00056_41693_5910.N1	19-FEB-2010 18:24:19	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41693	No
143	GOM_NL__2PRFIN20100219_182806_000000442087_00056_41693_5911.N1	19-FEB-2010 18:28:06	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	41693	No
144	GOM_NL__2PRFIN20100219_183133_000000462087_00056_41693_5912.N1	19-FEB-2010 18:31:33	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	41693	No
145	GOM_NL__2PRFIN20100219_184119_000000452087_00056_41693_5913.N1	19-FEB-2010 18:41:19	Twilight	45.000	48	30Alp Hya	1.9770	4100.0	90	41693	No
146	GOM_NL__2PRFIN20100219_190928_000000382087_00056_41693_5914.N1	19-FEB-2010 19:09:28	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41693	No
147	GOM_NL__2PRFIN20100219_191114_000000422087_00056_41693_5915.N1	19-FEB-2010 19:11:14	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41693	No
148	GOM_NL__2PRFIN20100219_192002_000000422087_00056_41693_5916.N1	19-FEB-2010 19:20:02	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	41693	No
149	GOM_NL__2PRFIN20100219_192430_000000432087_00056_41693_5917.N1	19-FEB-2010 19:24:30	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	41693	No
150	GOM_NL__2PRFIN20100219_193135_000000542087_00056_41693_5918.N1	19-FEB-2010 19:31:35	Bright	54.000	168	17Zet Aql	2.9860	11000.	108	41693	No
151	GOM_NL__2PRFIN20100219_194111_000000432087_00056_41693_5919.N1	19-FEB-2010 19:41:11	Twilight	42.500	155	41Pi Sgr	2.9000	6600.0	85	41693	No
152	GOM_NL__2PRFIN20100219_194253_000000402087_00056_41693_5920.N1	19-FEB-2010 19:42:53	Dark	40.000	57	34Sig Sgr	2.0660	26000.	80	41693	No
153	GOM_NL__2PRFIN20100219_194807_000000432087_00056_41693_5921.N1	19-FEB-2010 19:48:07	Dark	42.500	25	35Lam Sco	1.6200	28000.	85	41693	No
154	GOM_NL__2PRFIN20100219_194935_000000582087_00056_41693_5922.N1	19-FEB-2010 19:49:35	Dark	57.500	75	26Eps Sco	2.2910	4250.0	115	41693	No
155	GOM_NL__2PRFIN20100219_195224_000000432087_00056_41693_5923.N1	19-FEB-2010 19:52:24	Dark	42.500	141	Bet Ara	2.8400	4600.0	85	41693	No
156	GOM_NL__2PRFIN20100219_195844_000000412087_00057_41694_5915.N1	19-FEB-2010 19:58:44	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41694	No
157	GOM_NL__2PRFIN20100219_200004_000000522087_00057_41694_5916.N1	19-FEB-2010 20:00:04	Dark	51.500	10	Bet Cen	0.61000	28000.	103	41694	No
158	GOM_NL__2PRFIN20100219_200300_000000542087_00057_41694_5917.N1	19-FEB-2010 20:03:00	Dark	54.000	12	Alp1Cru	0.77500	30000.	108	41694	No
159	GOM_NL__2PRFIN20100219_200456_000000452087_00057_41694_5918.N1	19-FEB-2010 20:04:56	Dark	45.000	64	Gam Cen	2.2000	10600.	90	41694	No
160	GOM_NL__2PRFIN20100219_201209_000000442087_00057_41694_5919.N1	19-FEB-2010 20:12:09	Straylight	44.000	65	Lam Vel	2.2040	4400.0	88	41694	No

161	GOM_NL__2PRFIN20100219_202155_000000462087_00057_41694_5920.N1	19-FEB-2010 20:21:55	Twilight	45.500	48	30Alp Hya	1.9770	4100.0	91	41694	No
162	GOM_NL__2PRFIN20100219_205004_000000332087_00057_41694_5921.N1	19-FEB-2010 20:50:04	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41694	No
163	GOM_NL__2PRFIN20100219_205149_000000372087_00057_41694_5922.N1	19-FEB-2010 20:51:49	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41694	No
164	GOM_NL__2PRFIN20100219_210038_000000452087_00057_41694_5923.N1	19-FEB-2010 21:00:38	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	41694	No
165	GOM_NL__2PRFIN20100219_210506_000000372087_00057_41694_5924.N1	19-FEB-2010 21:05:06	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41694	No
166	GOM_NL__2PRFIN20100219_211212_000000352087_00057_41694_5925.N1	19-FEB-2010 21:12:12	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	41694	No
167	GOM_NL__2PRFIN20100219_212147_000000422087_00057_41694_5926.N1	19-FEB-2010 21:21:47	Twilight	42.000	155	41Pi Sgr	2.9000	6600.0	84	41694	No
168	GOM_NL__2PRFIN20100219_212330_000000422087_00057_41694_5927.N1	19-FEB-2010 21:23:30	Dark	42.000	57	34Sig Sgr	2.0660	26000.	84	41694	No
169	GOM_NL__2PRFIN20100219_212843_000000462087_00057_41694_5928.N1	19-FEB-2010 21:28:43	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	41694	No
170	GOM_NL__2PRFIN20100219_213012_000000562087_00057_41694_5929.N1	19-FEB-2010 21:30:12	Dark	55.500	75	26Eps Sco	2.2910	4250.0	111	41694	No
171	GOM_NL__2PRFIN20100219_213301_000000502087_00057_41694_5930.N1	19-FEB-2010 21:33:01	Dark	50.000	141	Bet Ara	2.8400	4600.0	100	41694	No
172	GOM_NL__2PRFIN20100219_213921_000000432087_00058_41695_5923.N1	19-FEB-2010 21:39:21	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41695	No
173	GOM_NL__2PRFIN20100219_214040_000000422087_00058_41695_5924.N1	19-FEB-2010 21:40:40	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41695	No
174	GOM_NL__2PRFIN20100219_214336_000000452087_00058_41695_5925.N1	19-FEB-2010 21:43:36	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41695	No
175	GOM_NL__2PRFIN20100219_214532_000000452087_00058_41695_5926.N1	19-FEB-2010 21:45:32	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41695	No
176	GOM_NL__2PRFIN20100219_215246_000000452087_00058_41695_5927.N1	19-FEB-2010 21:52:46	Straylight	45.000	65	Lam Vel	2.2040	4400.0	90	41695	No
177	GOM_NL__2PRFIN20100219_220231_000000492087_00058_41695_5928.N1	19-FEB-2010 22:02:31	Twilight	49.000	48	30Alp Hya	1.9770	4100.0	98	41695	No
178	GOM_NL__2PRFIN20100219_223040_000000522087_00058_41695_5929.N1	19-FEB-2010 22:30:40	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	41695	No
179	GOM_NL__2PRFIN20100219_223225_000000452087_00058_41695_5930.N1	19-FEB-2010 22:32:25	Bright	45.000	60	7Bet UMi	2.0810	3950.0	90	41695	No
180	GOM_NL__2PRFIN20100219_224114_000000462087_00058_41695_5931.N1	19-FEB-2010 22:41:14	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	41695	No

### 3. Quality information per product

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

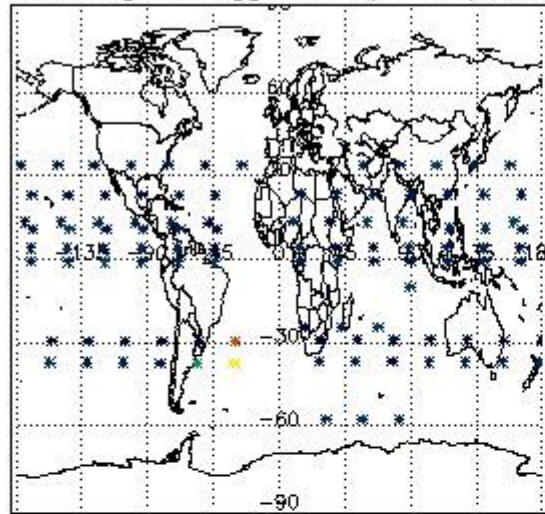
#### 3.1 Plot quality information per product (time dependant)



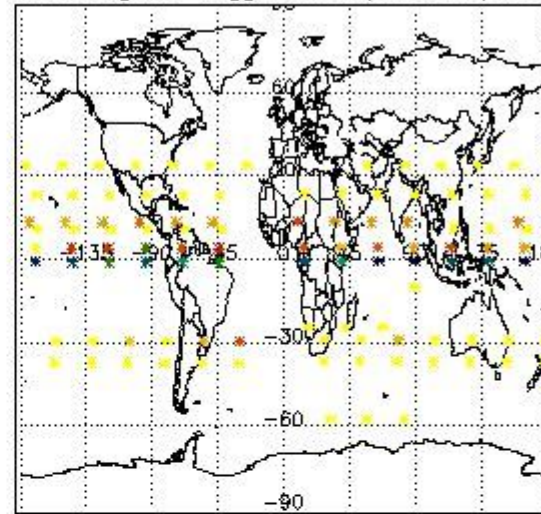
3.2 Plot quality information per product (world map)



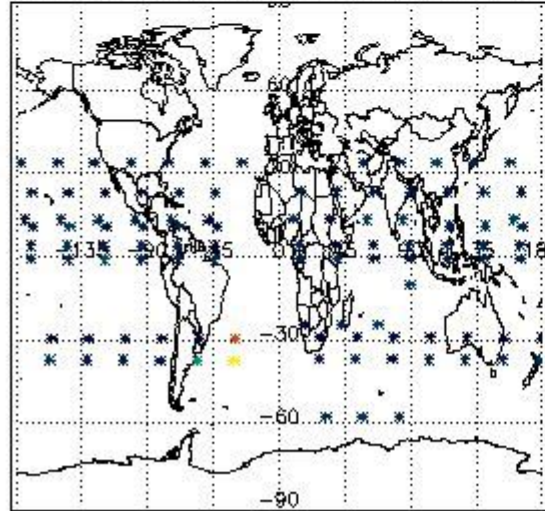
Percentage of flagged data per O3 profile



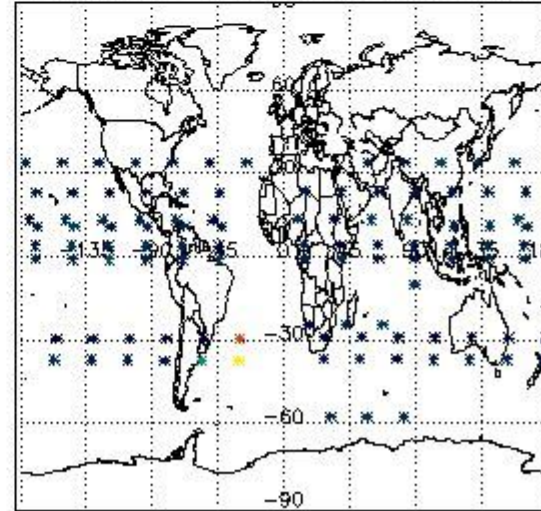
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

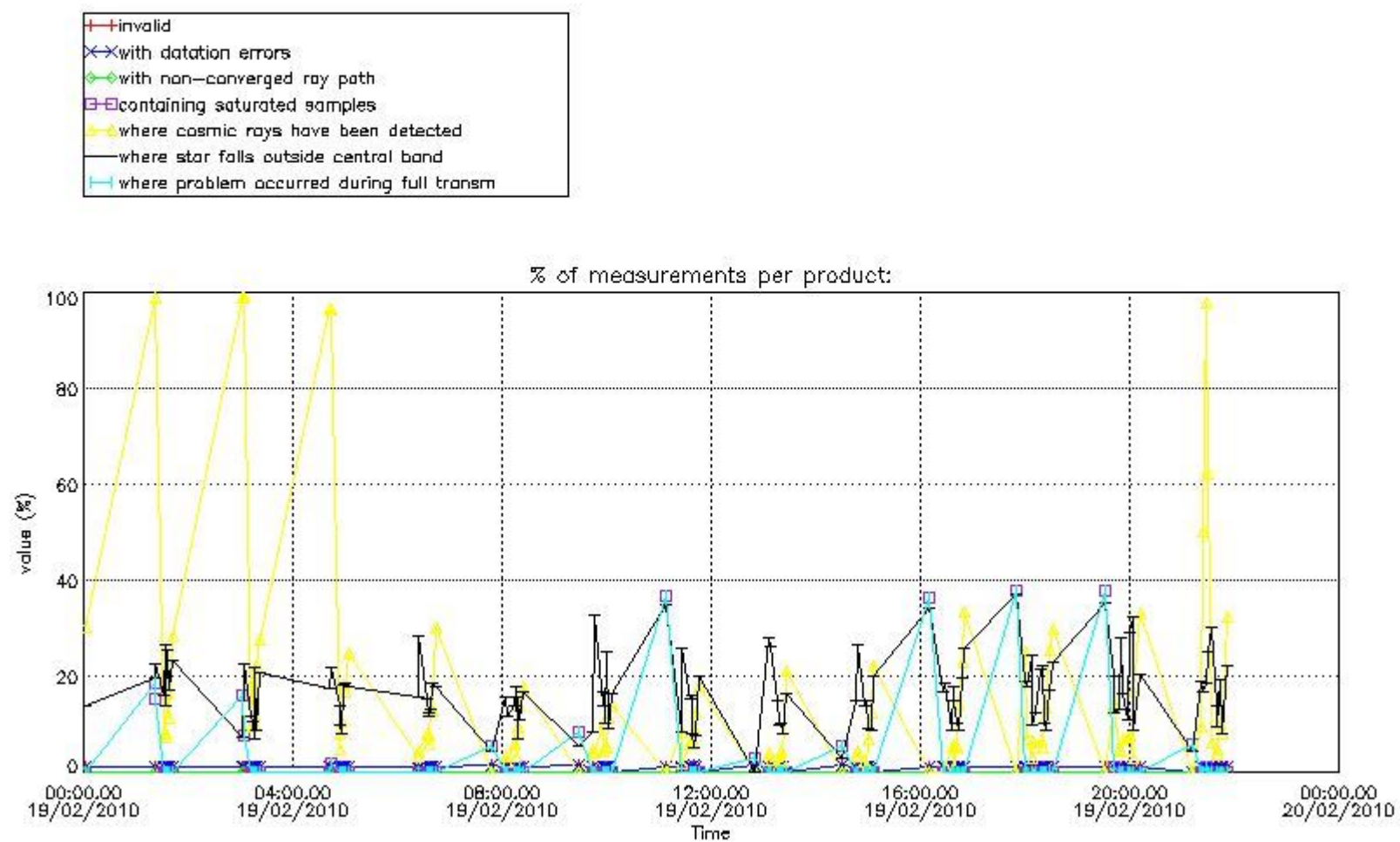


#### 4. Level 1 quality information per product

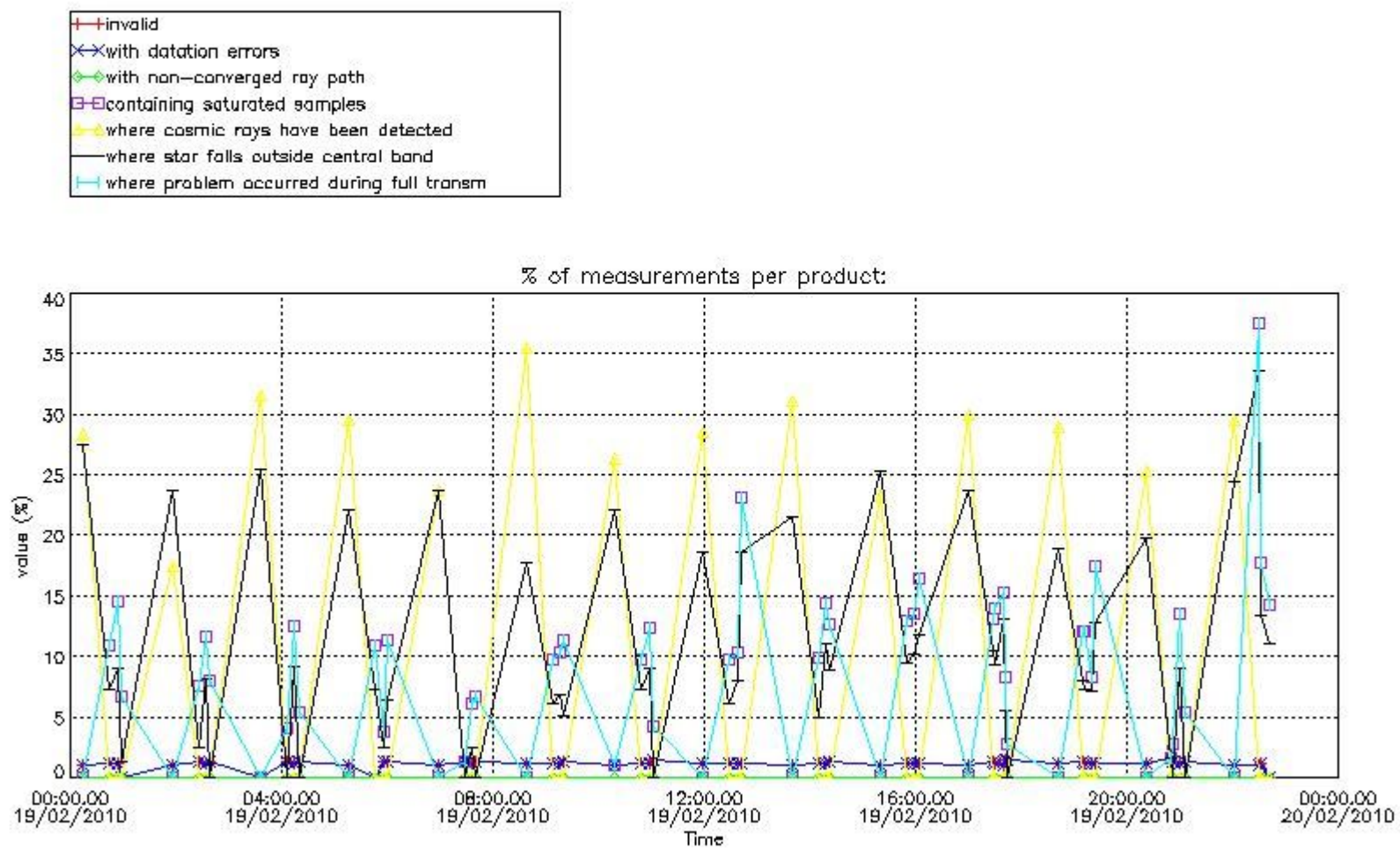
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

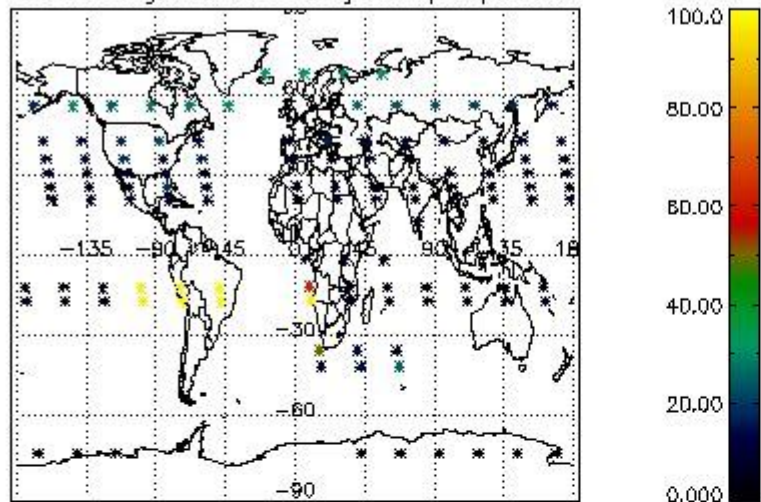


*4.2 Plot quality information per product coming from level 1b processing (world map)*

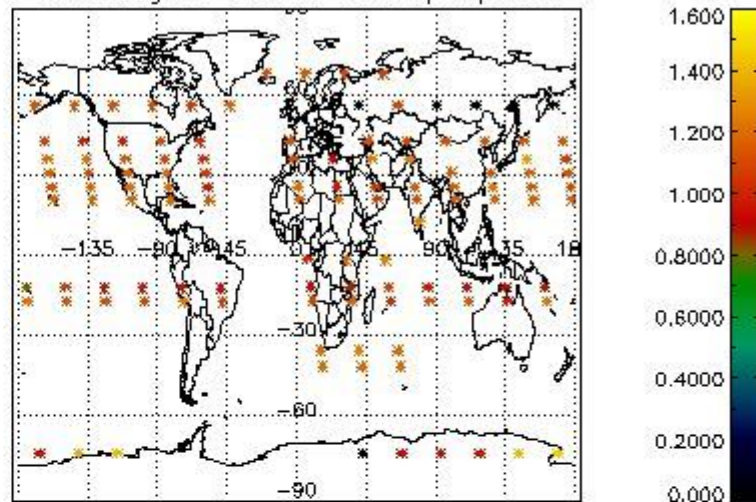
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



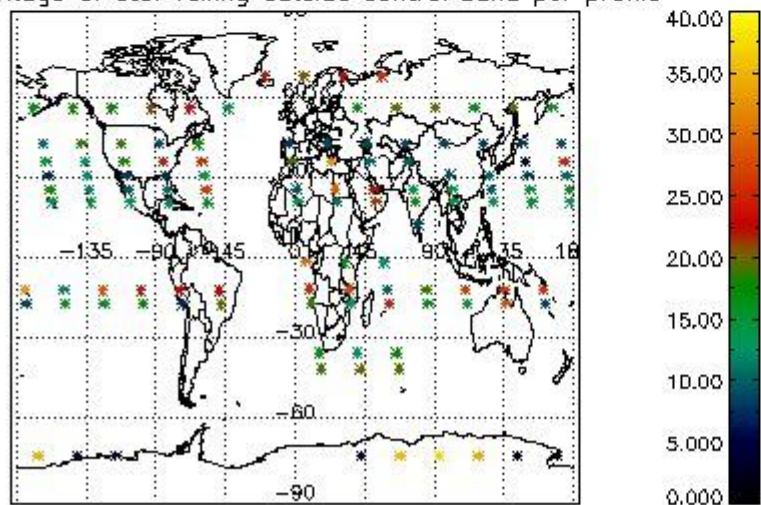
Percentage of cosmic ray hits per profile



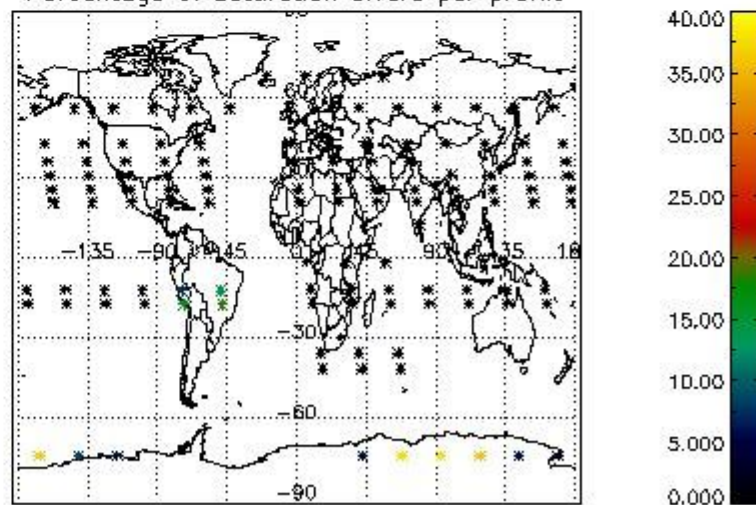
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



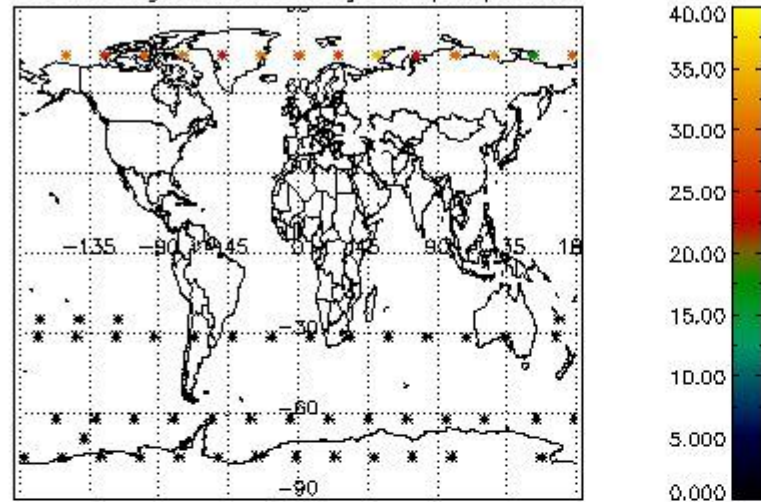
Percentage of saturation errors per profile



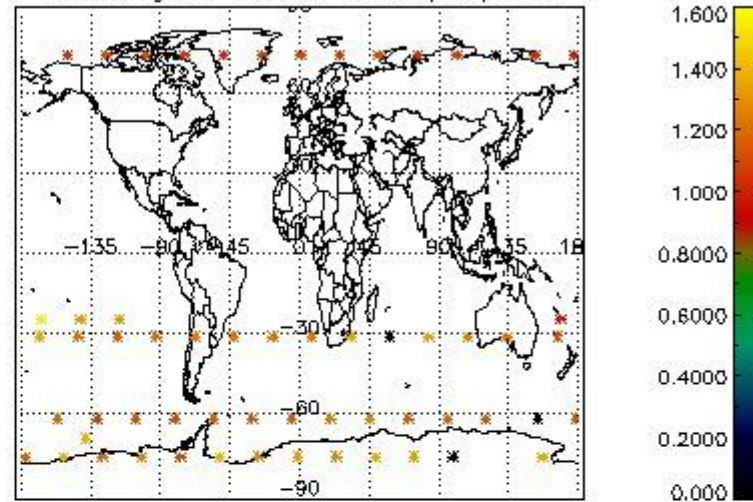
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



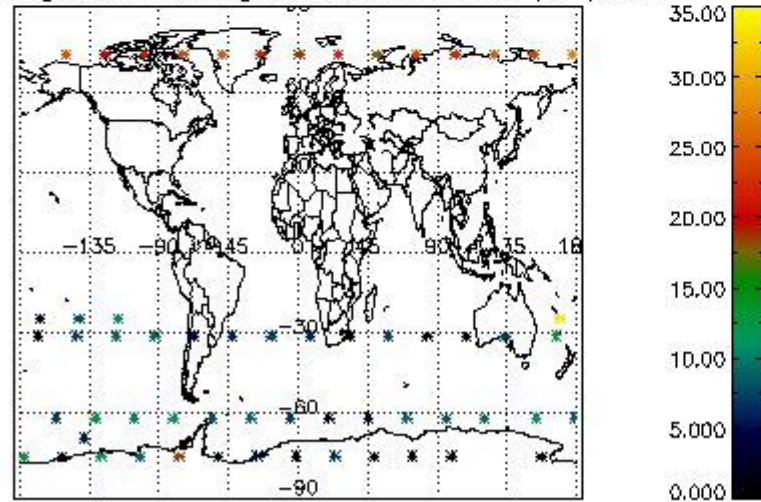
Percentage of cosmic ray hits per profile



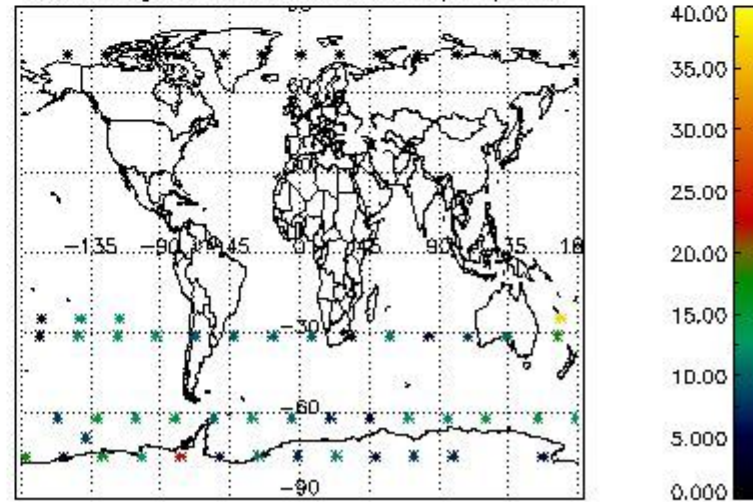
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

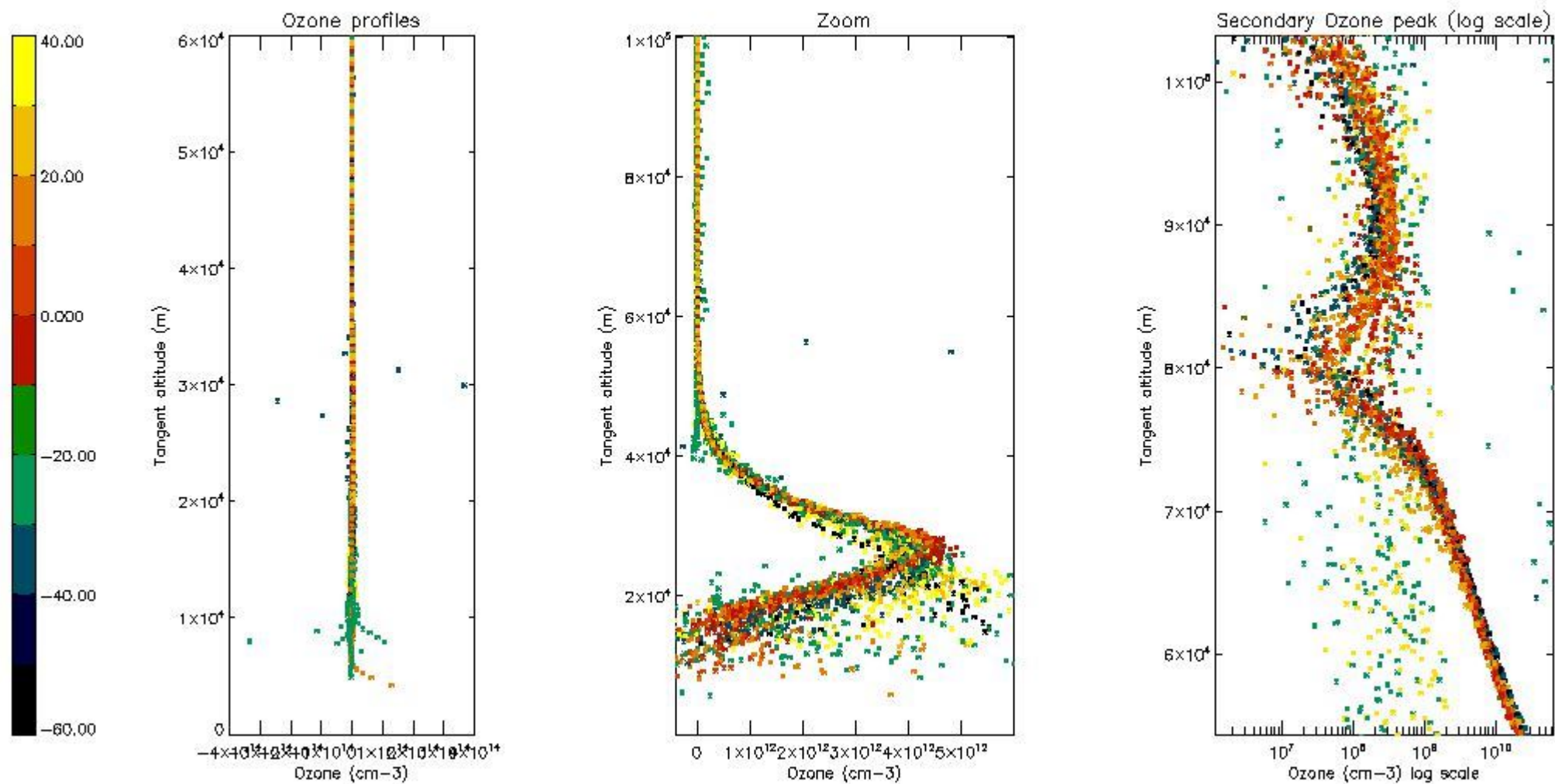
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	60
STD < 20	31

STD < 10	25
STD < 5	19

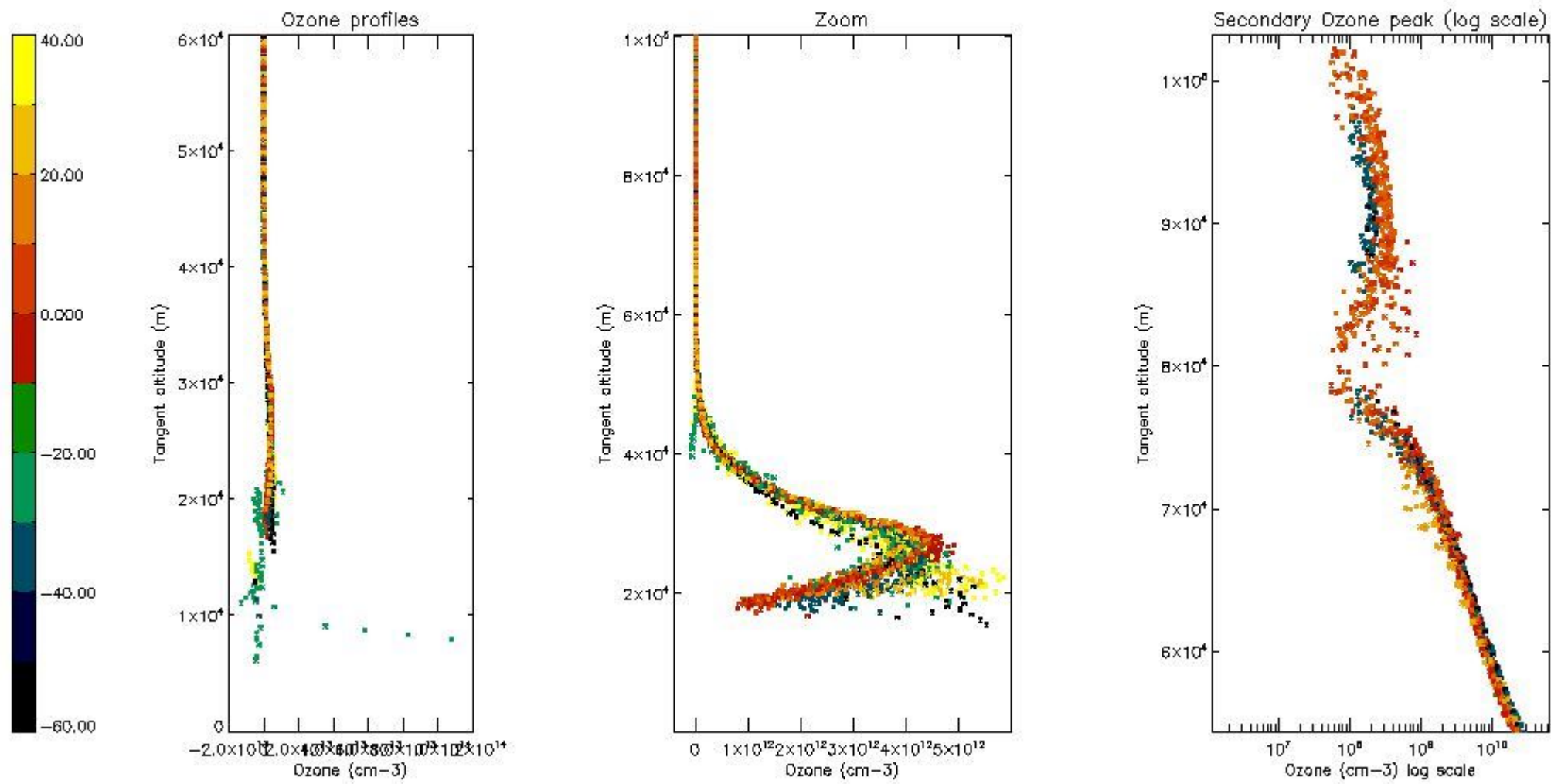
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

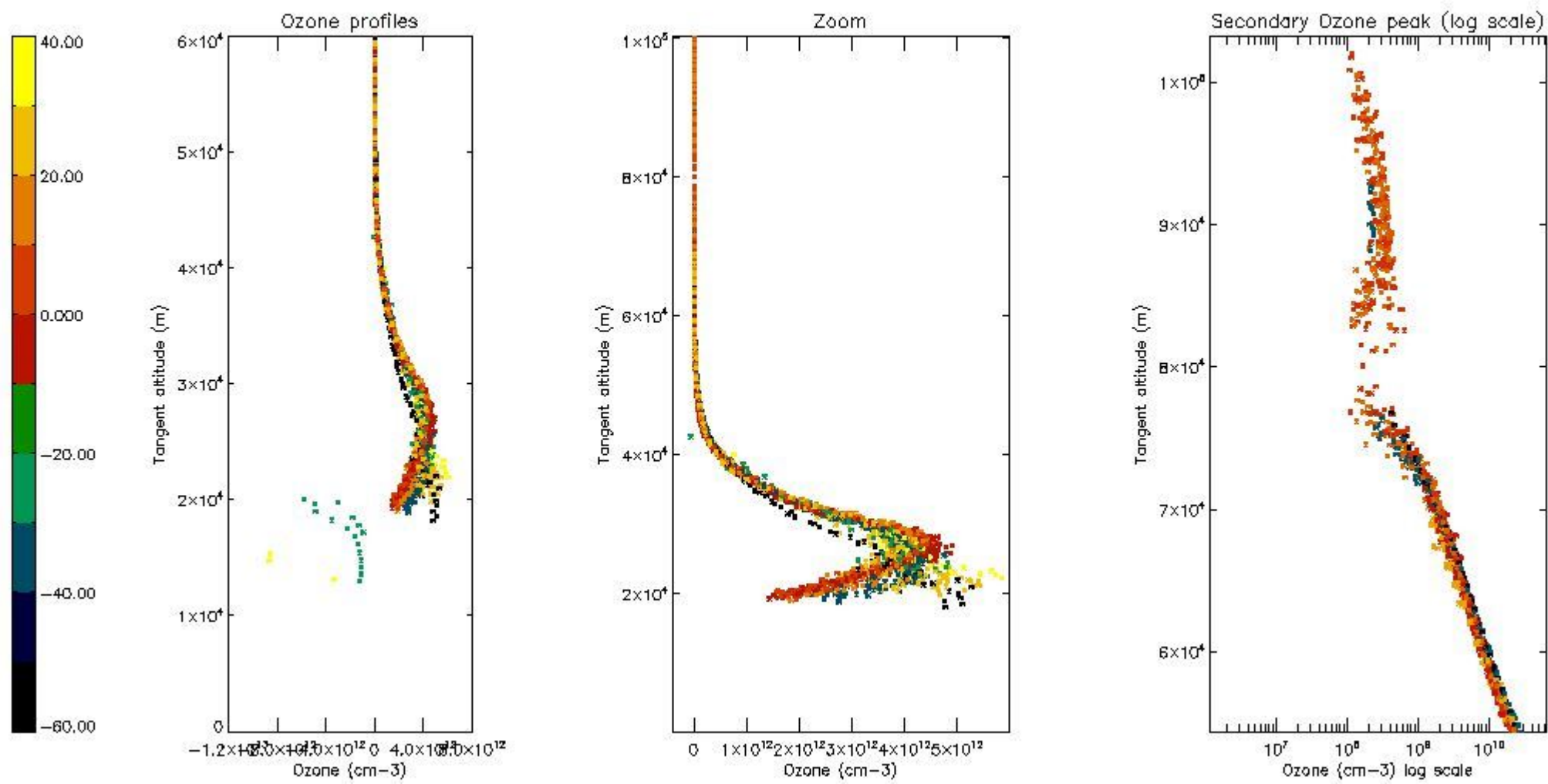
The colorbar represents the latitude.



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

The colorbar represents the latitude.

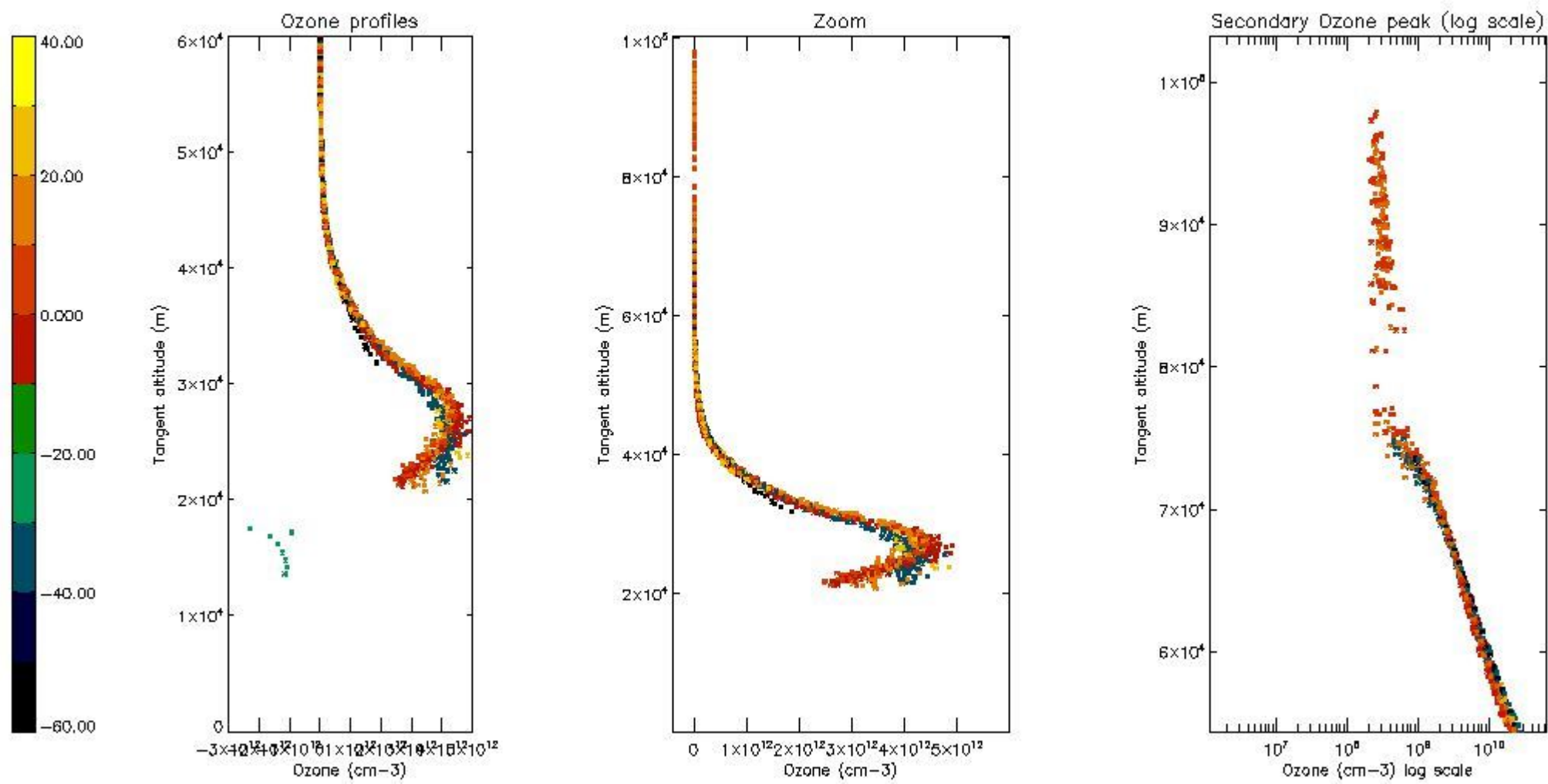




*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

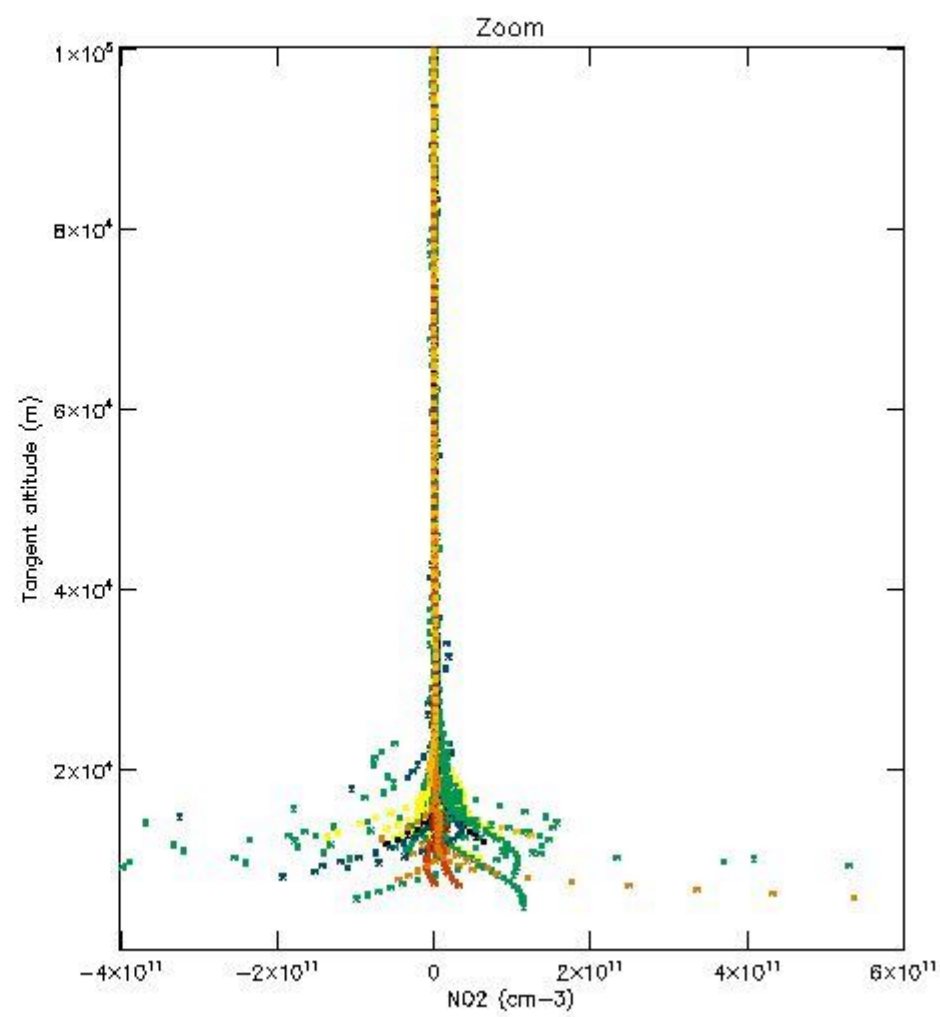
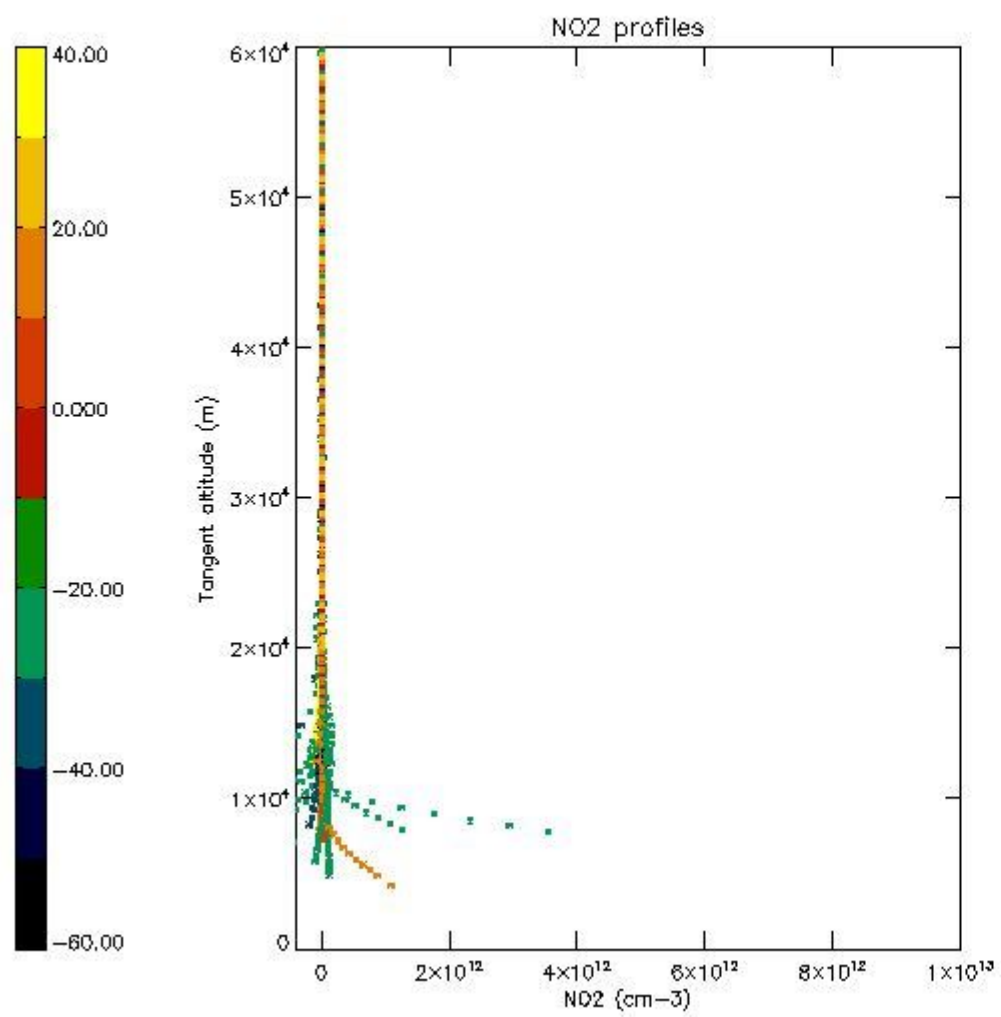
The colorbar represents the latitude.





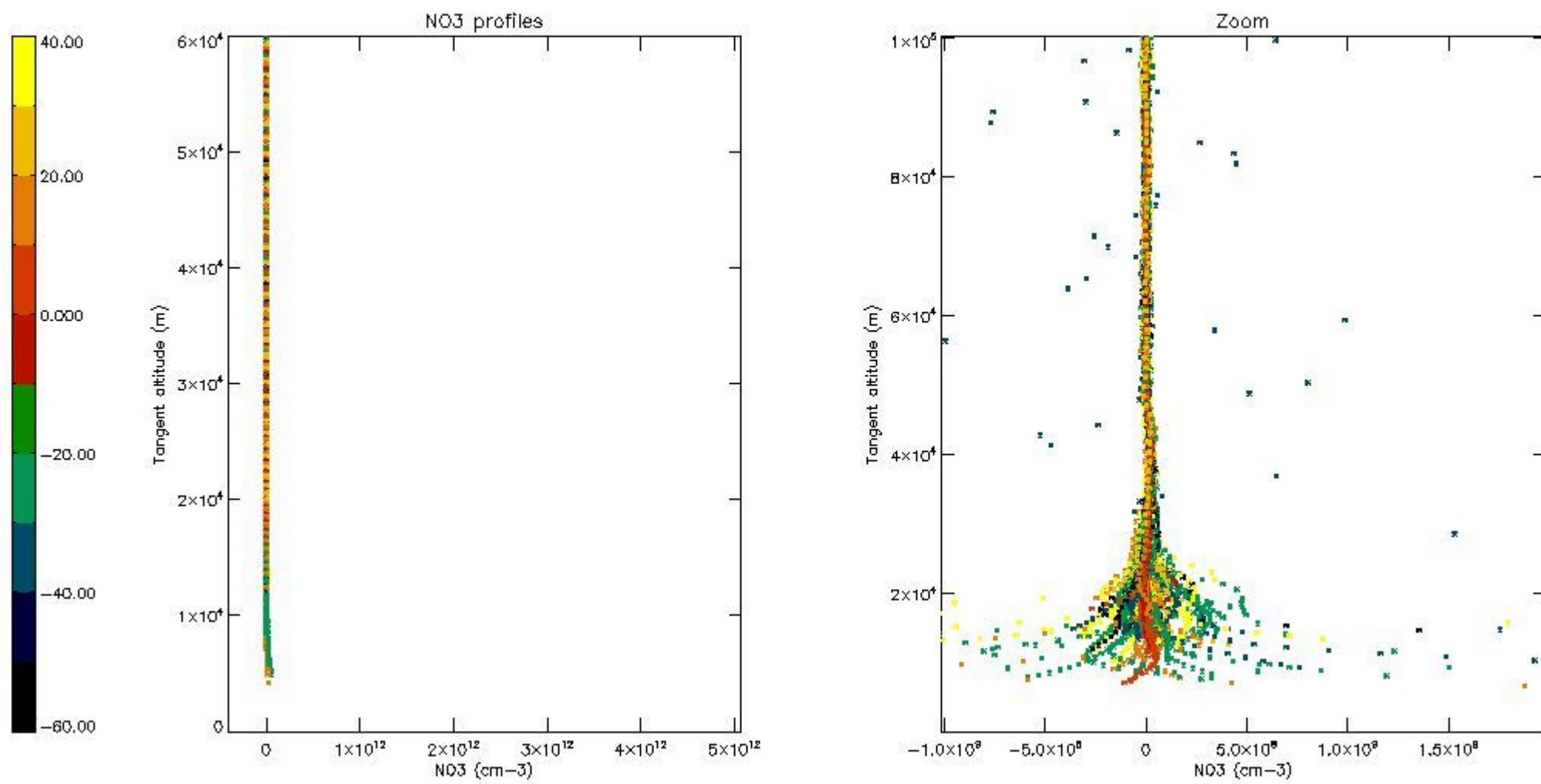
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



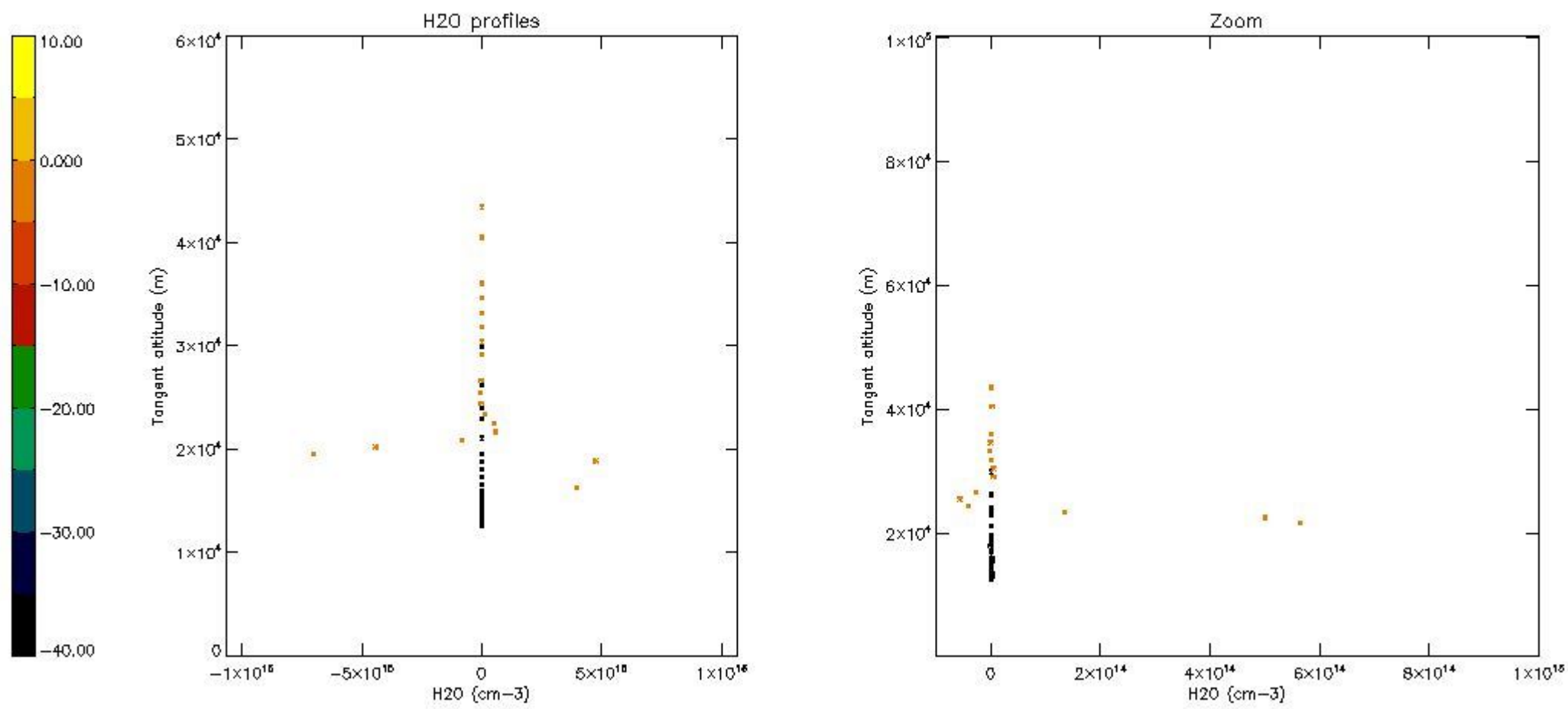
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

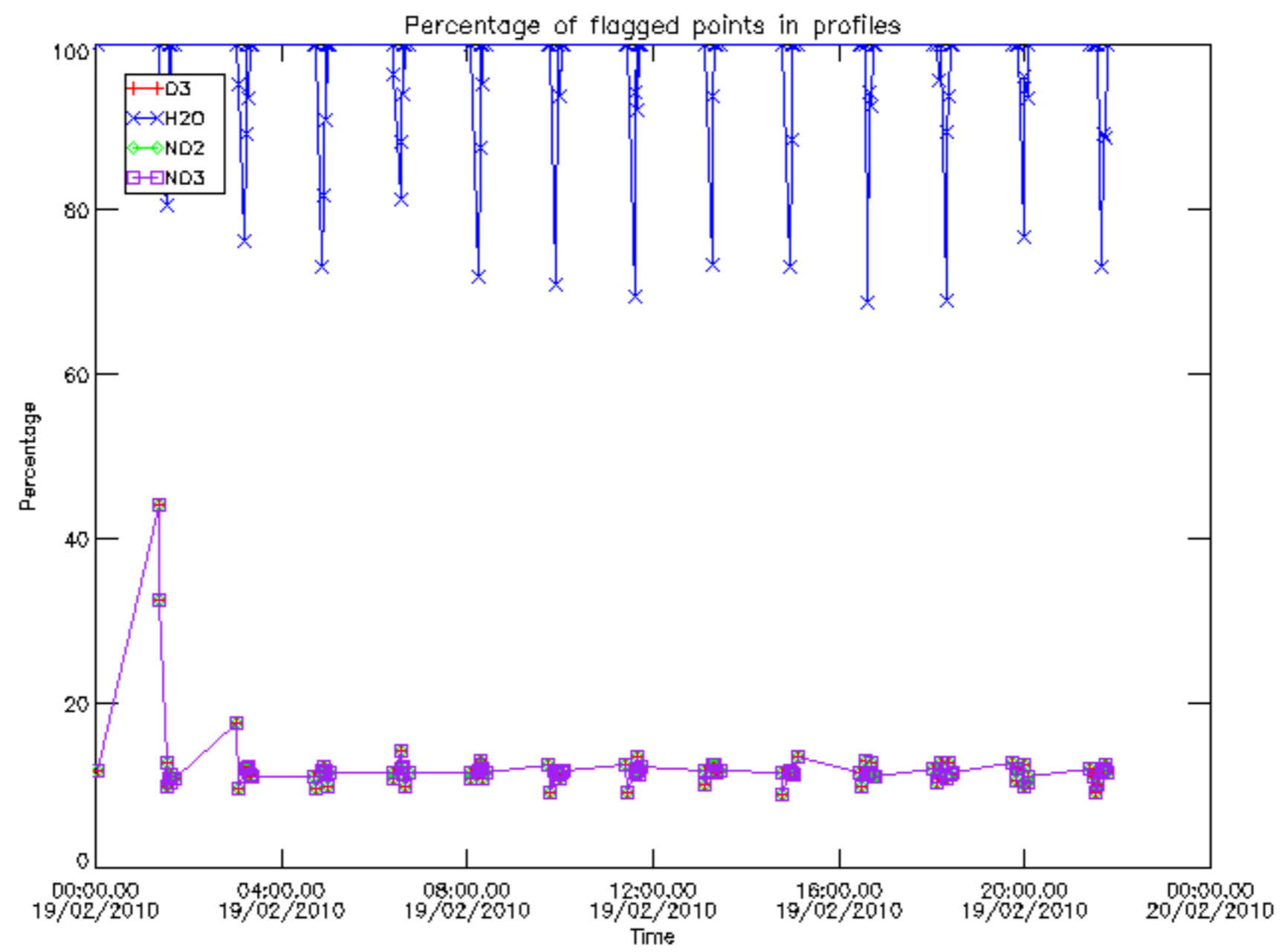


## 6. Auxiliary Data Files used for the production reported in section 2

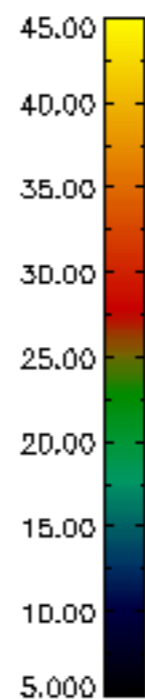
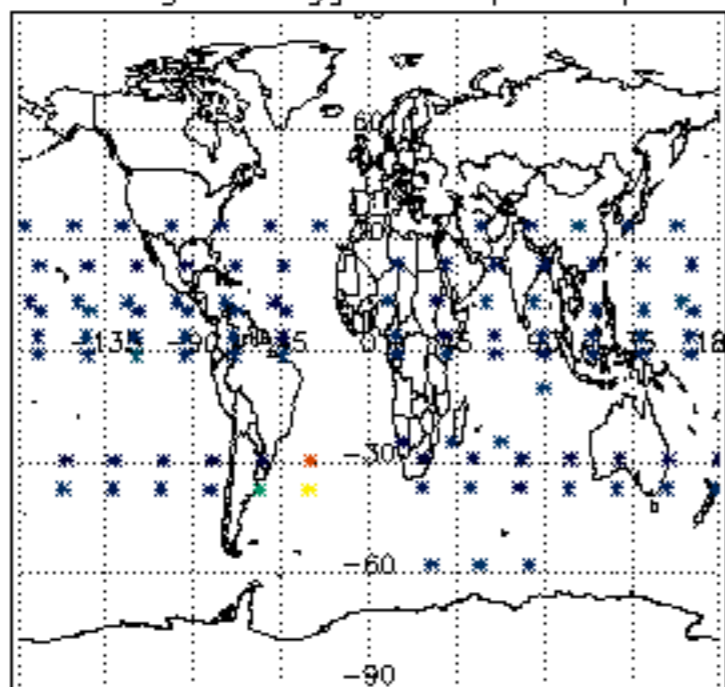
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-FEB-2010 00:01:26
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-FEB-2010 00:01:26
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-FEB-2010 00:01:26

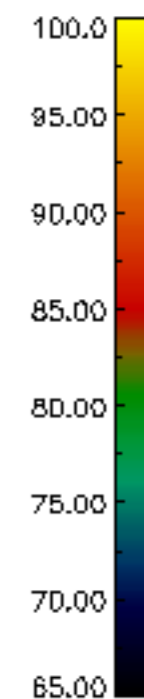
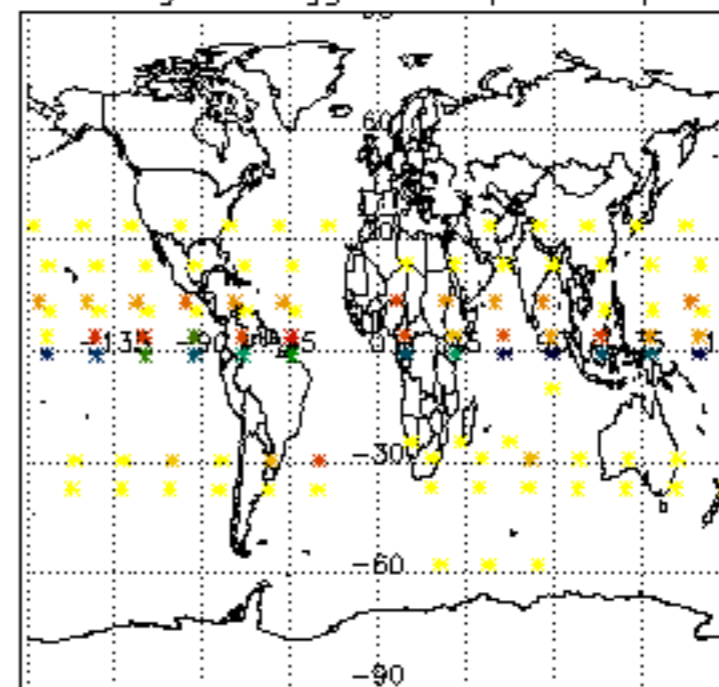




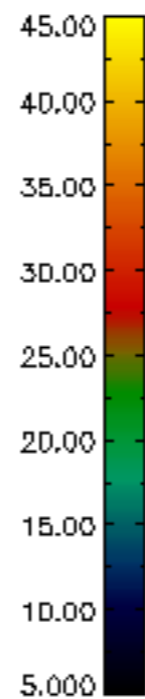
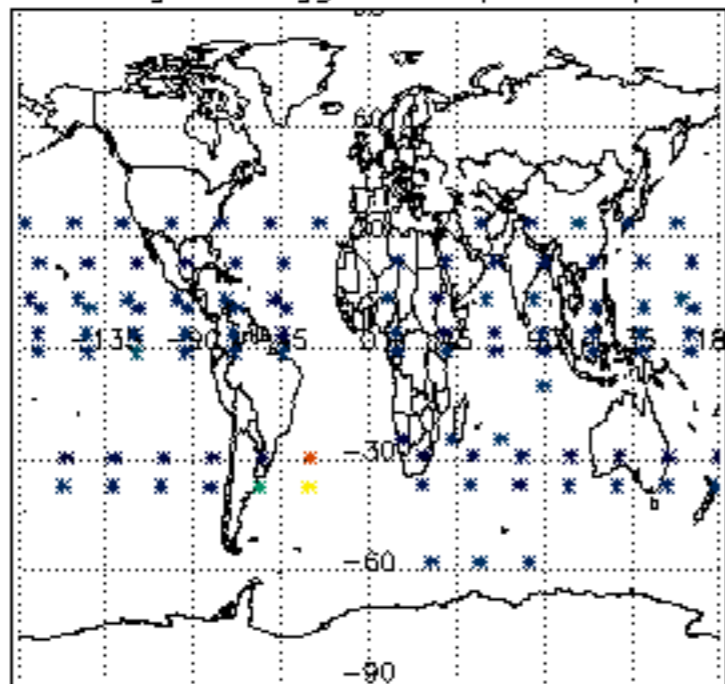
Percentage of flagged data per D3 profile



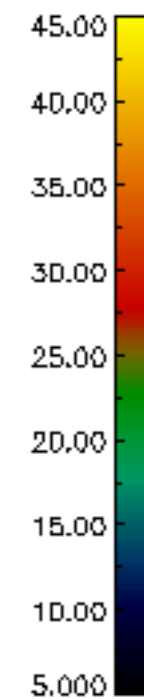
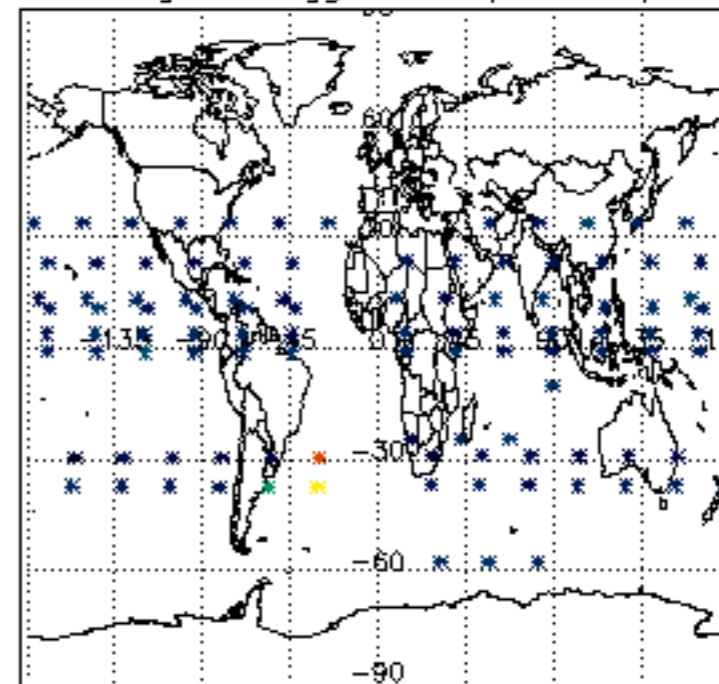
Percentage of flagged data per H2O profile

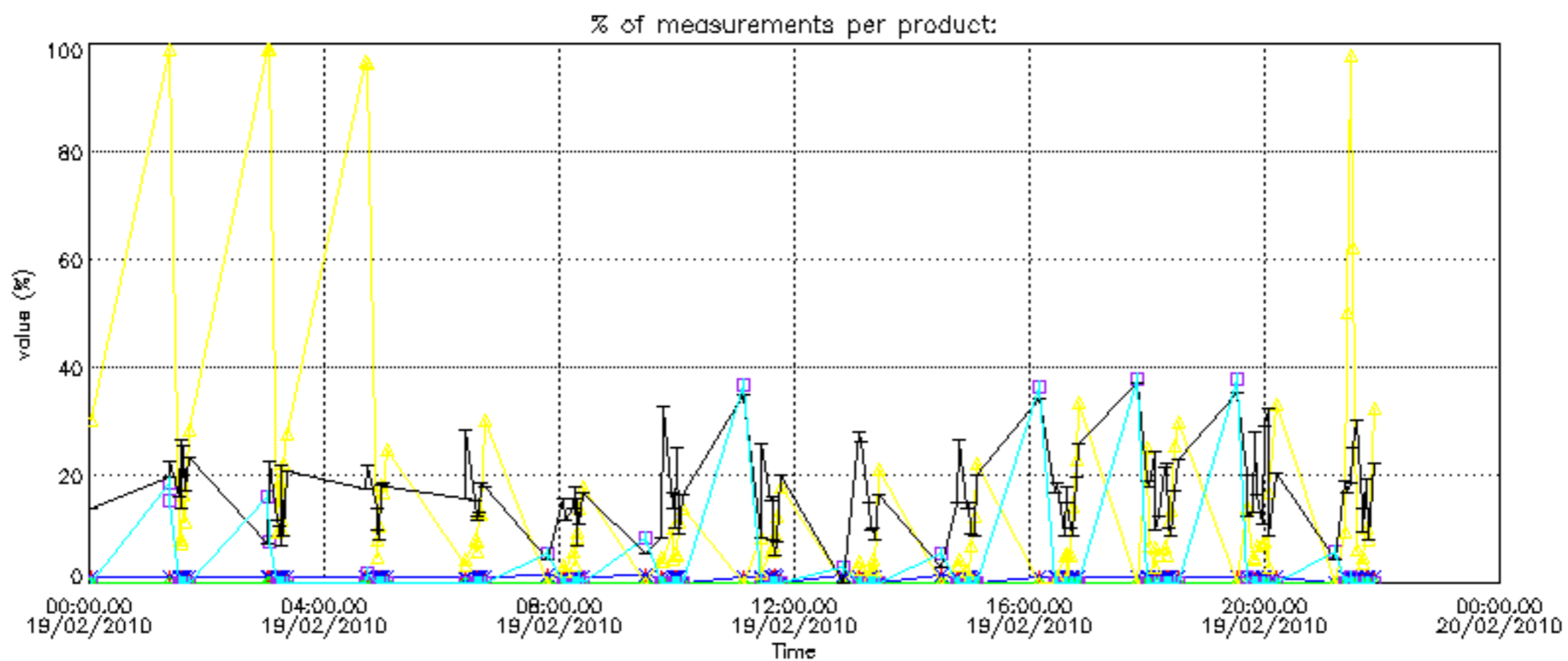


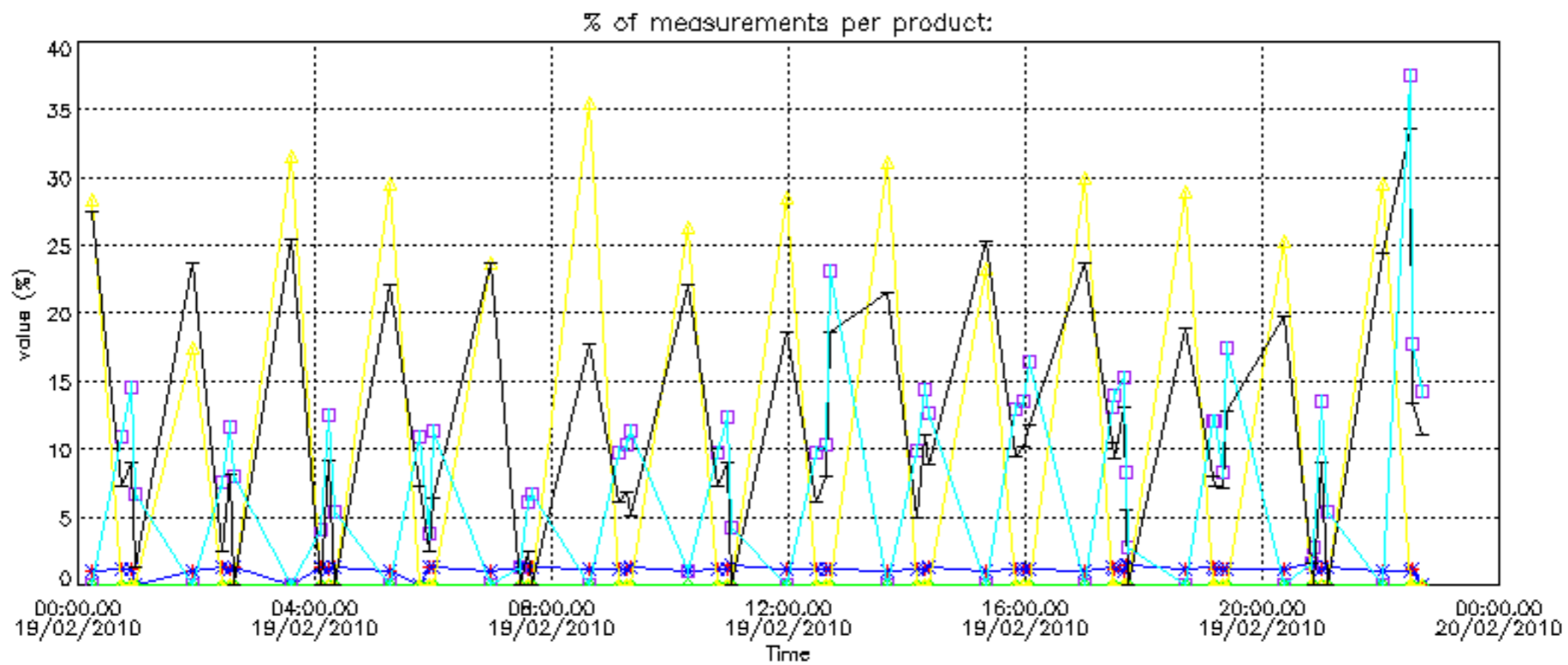
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

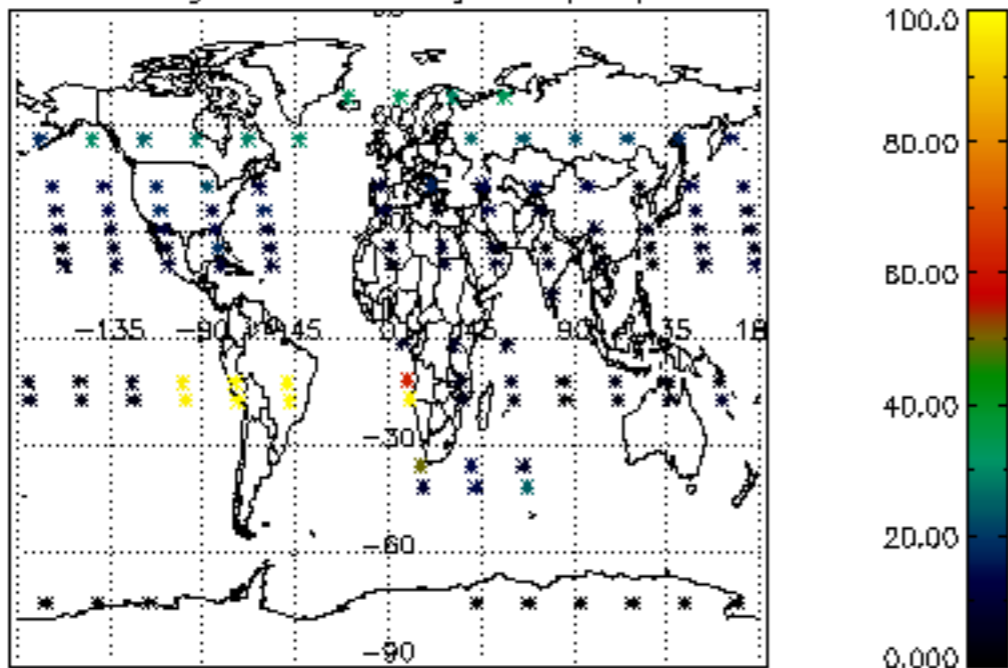




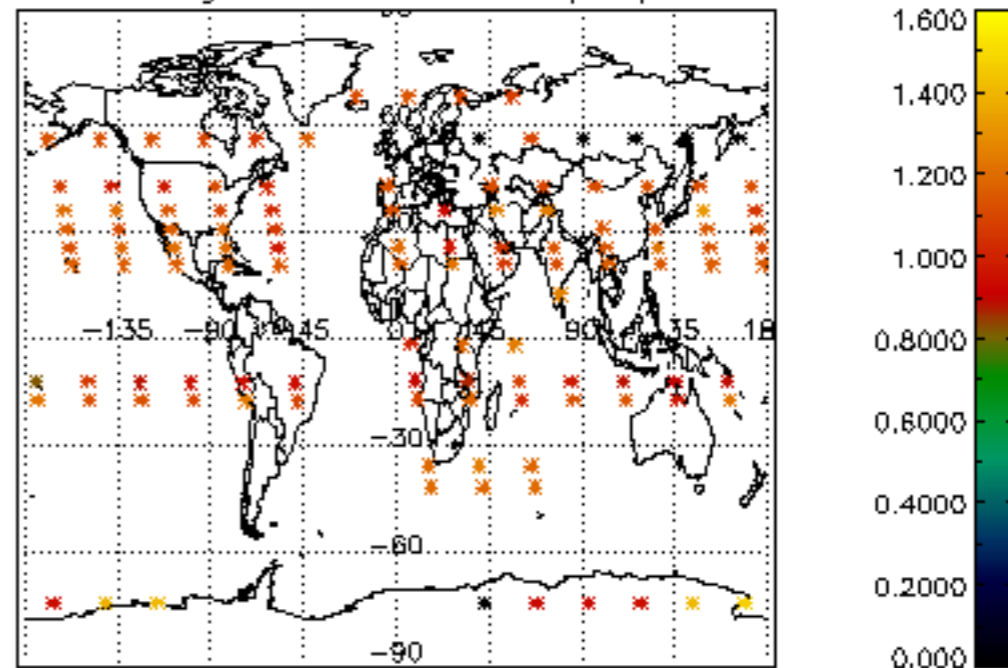




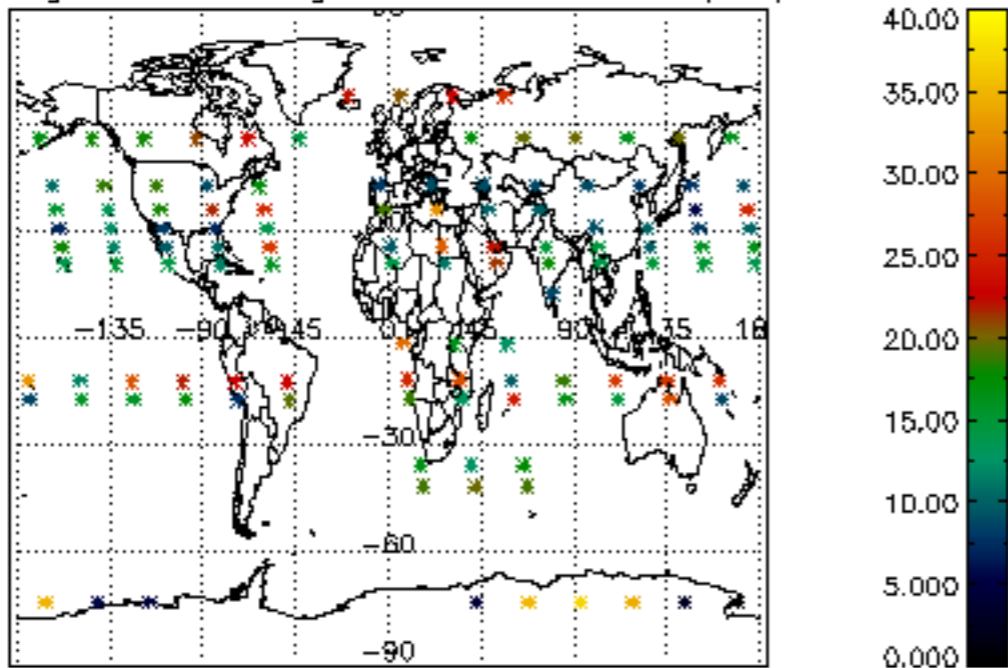
Percentage of cosmic ray hits per profile



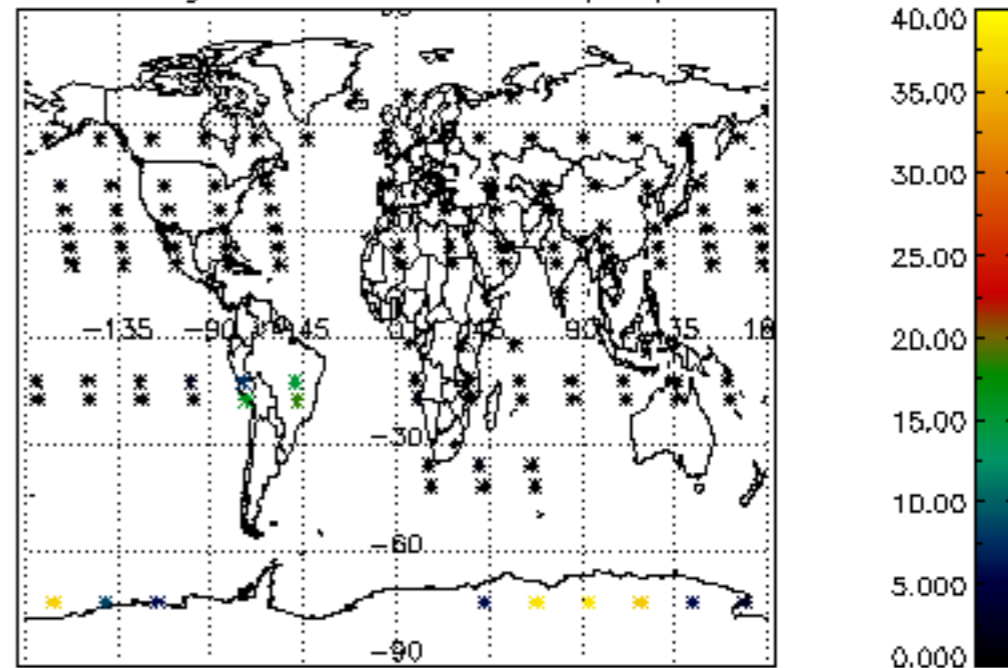
Percentage of datation errors per profile



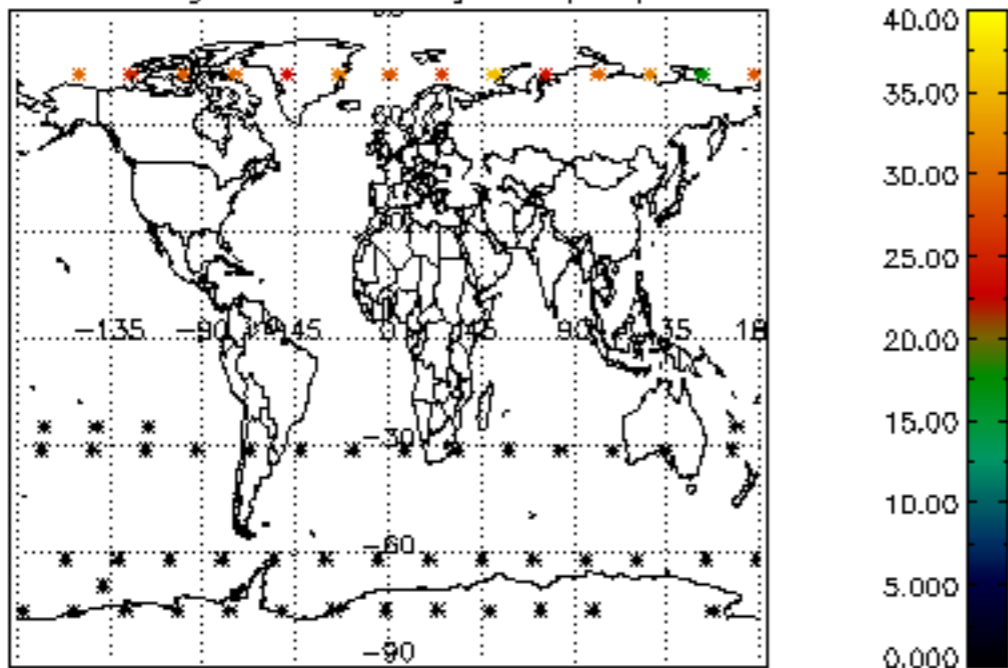
Percentage of star falling outside central band per profile



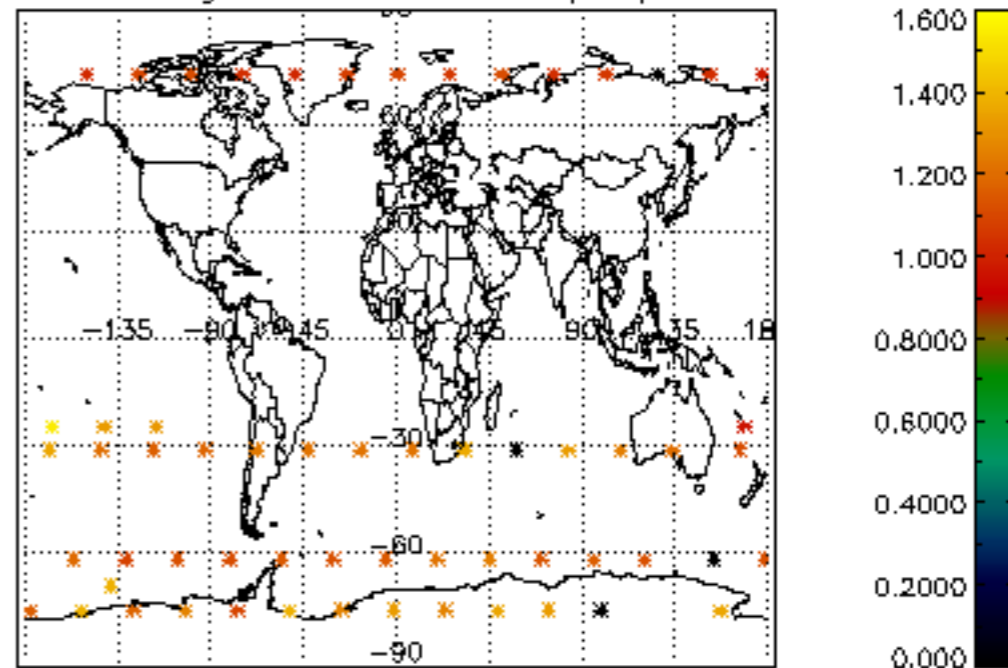
Percentage of saturation errors per profile



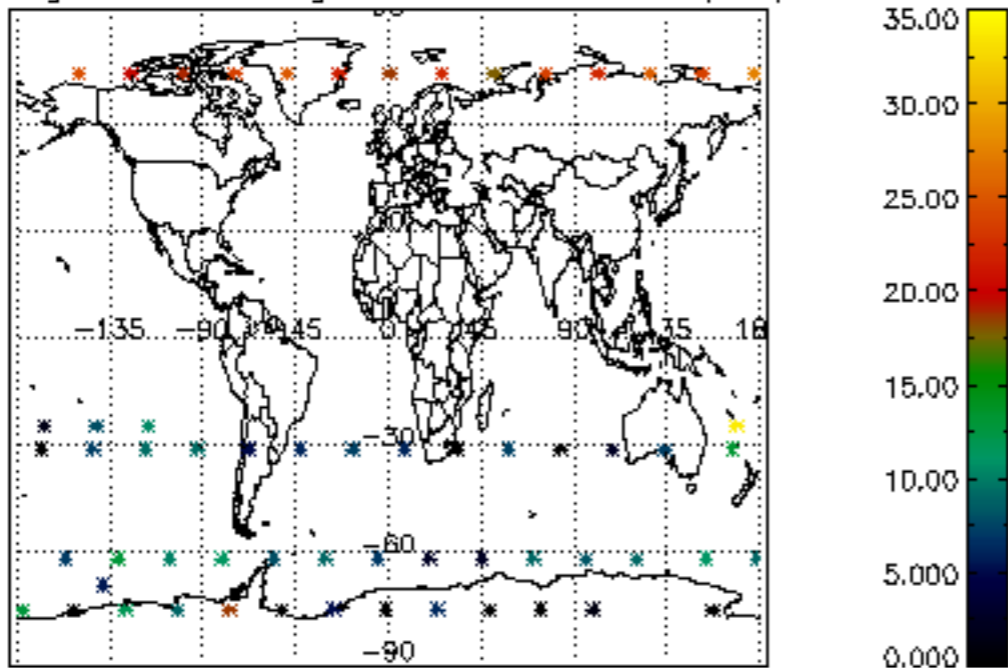
Percentage of cosmic ray hits per profile



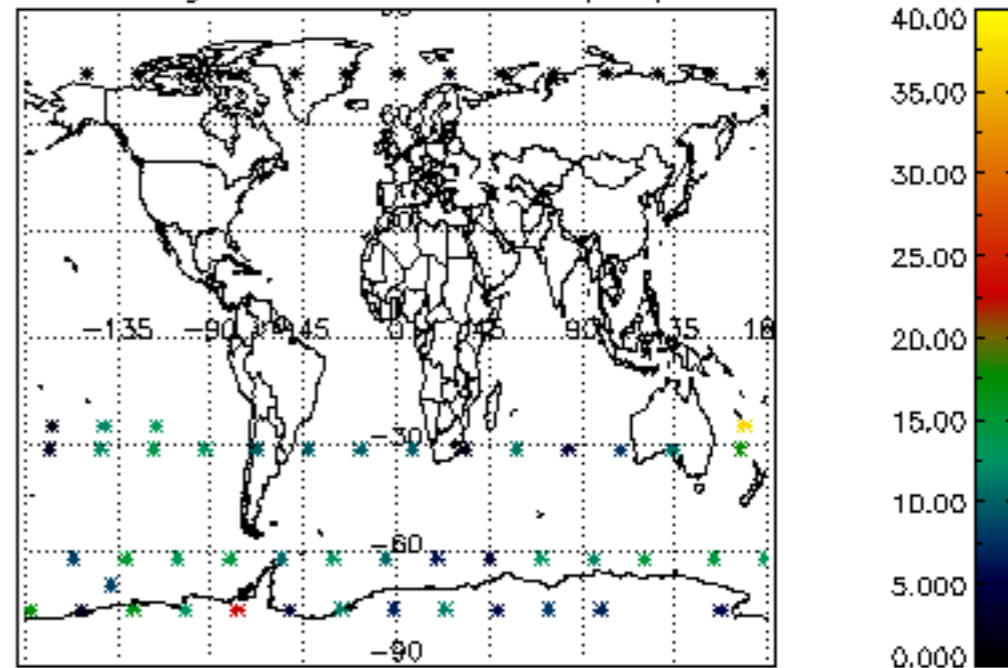
Percentage of datation errors per profile

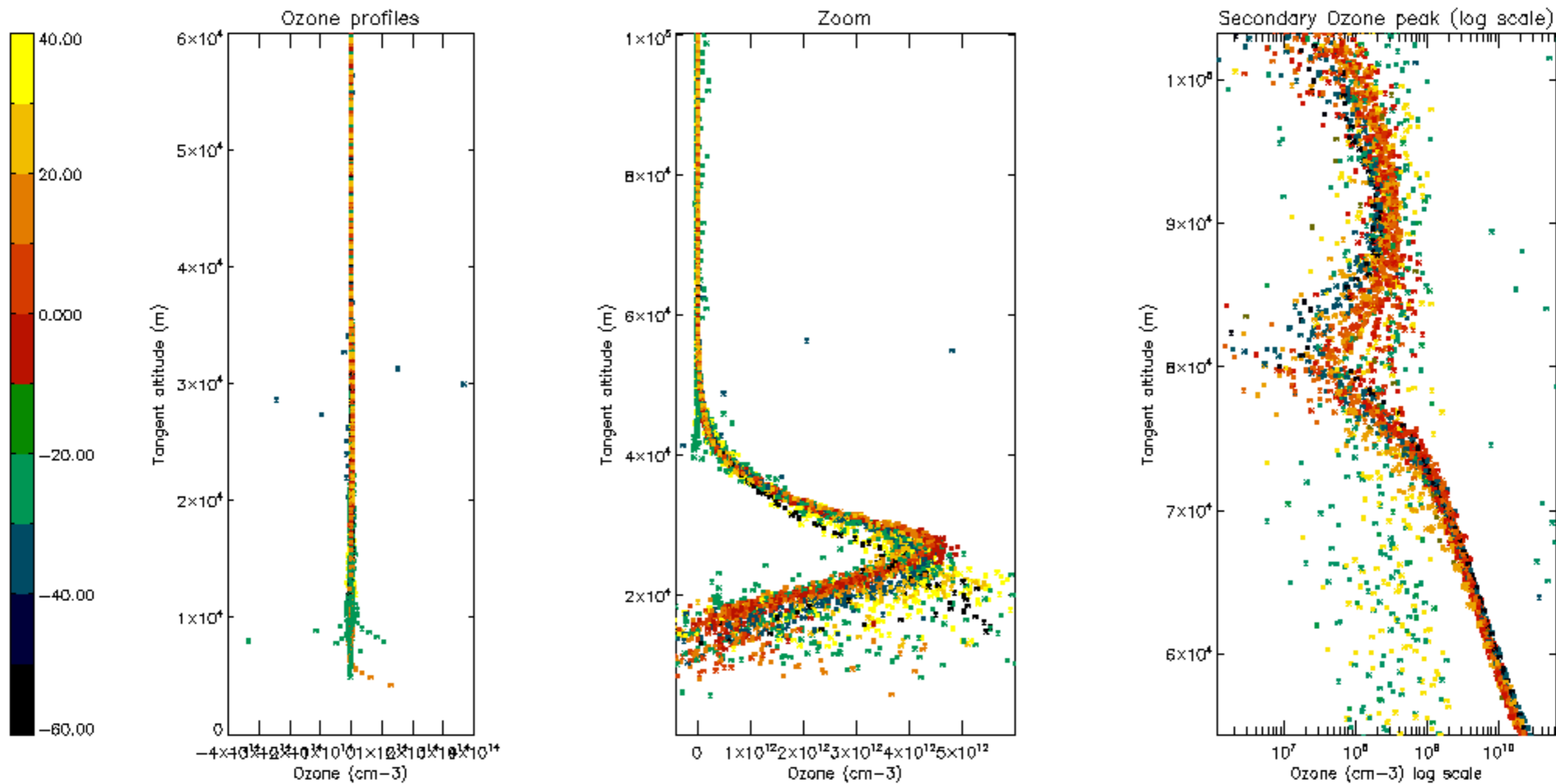


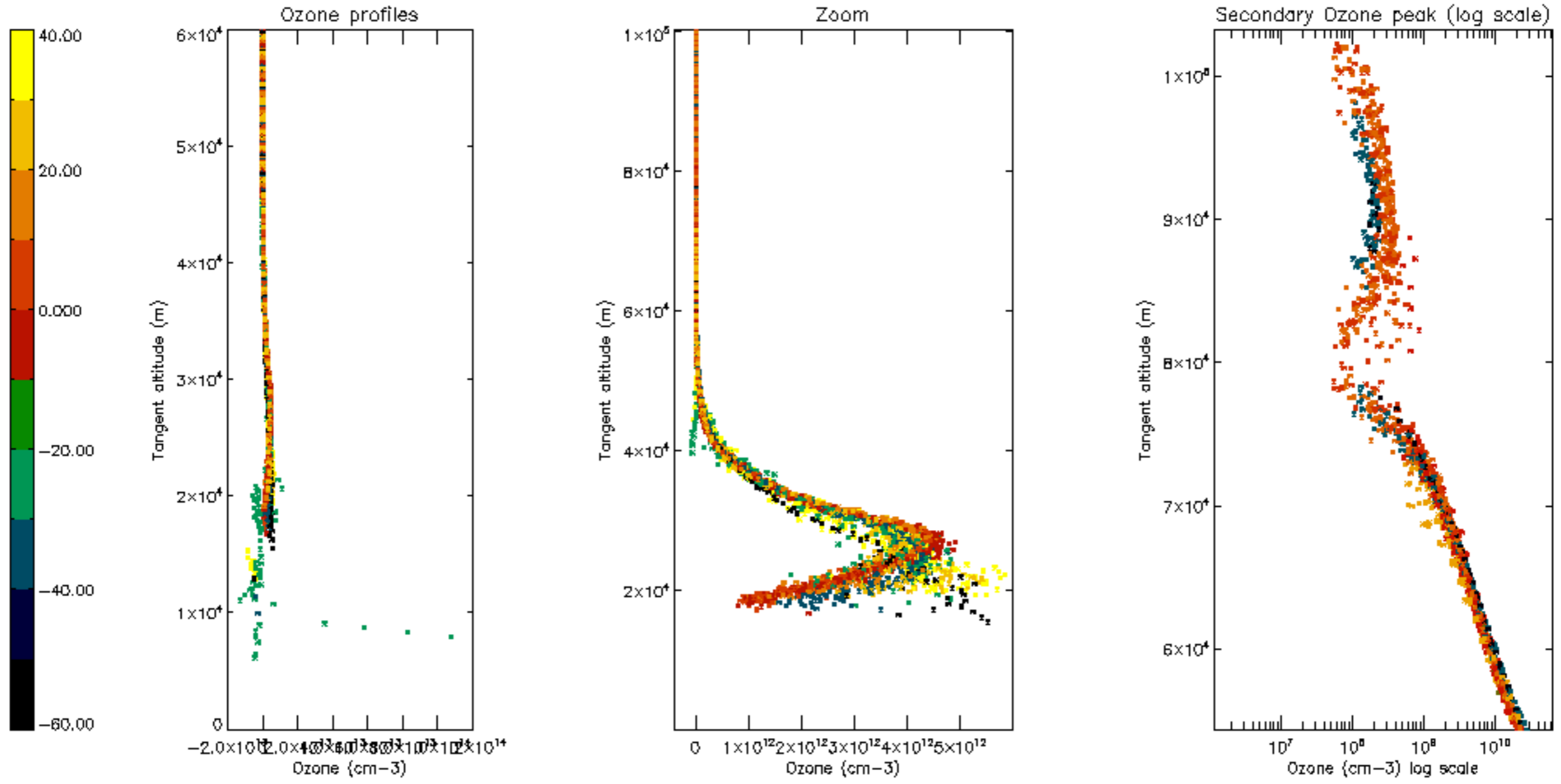
Percentage of star falling outside central band per profile



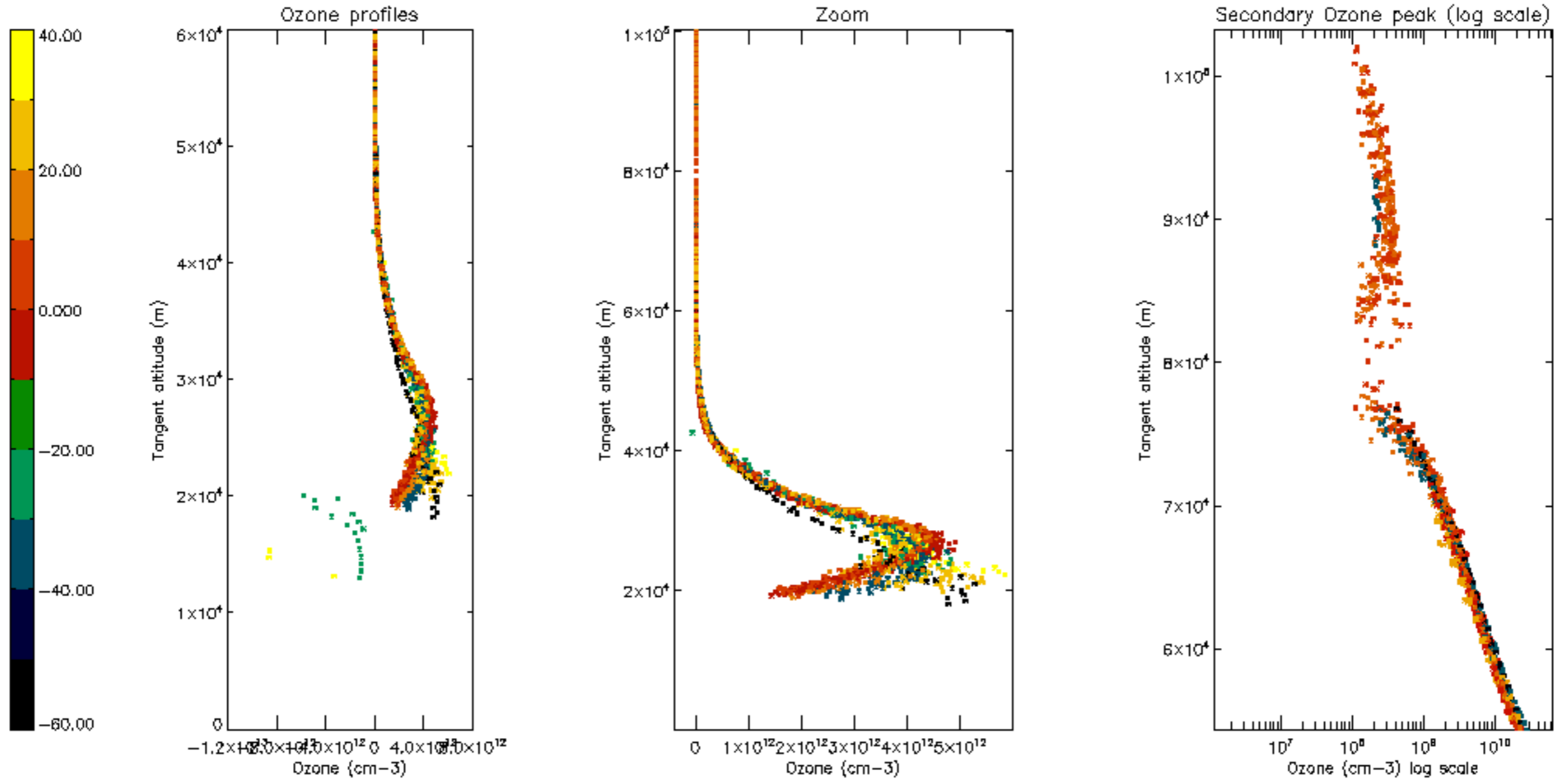
Percentage of saturation errors per profile

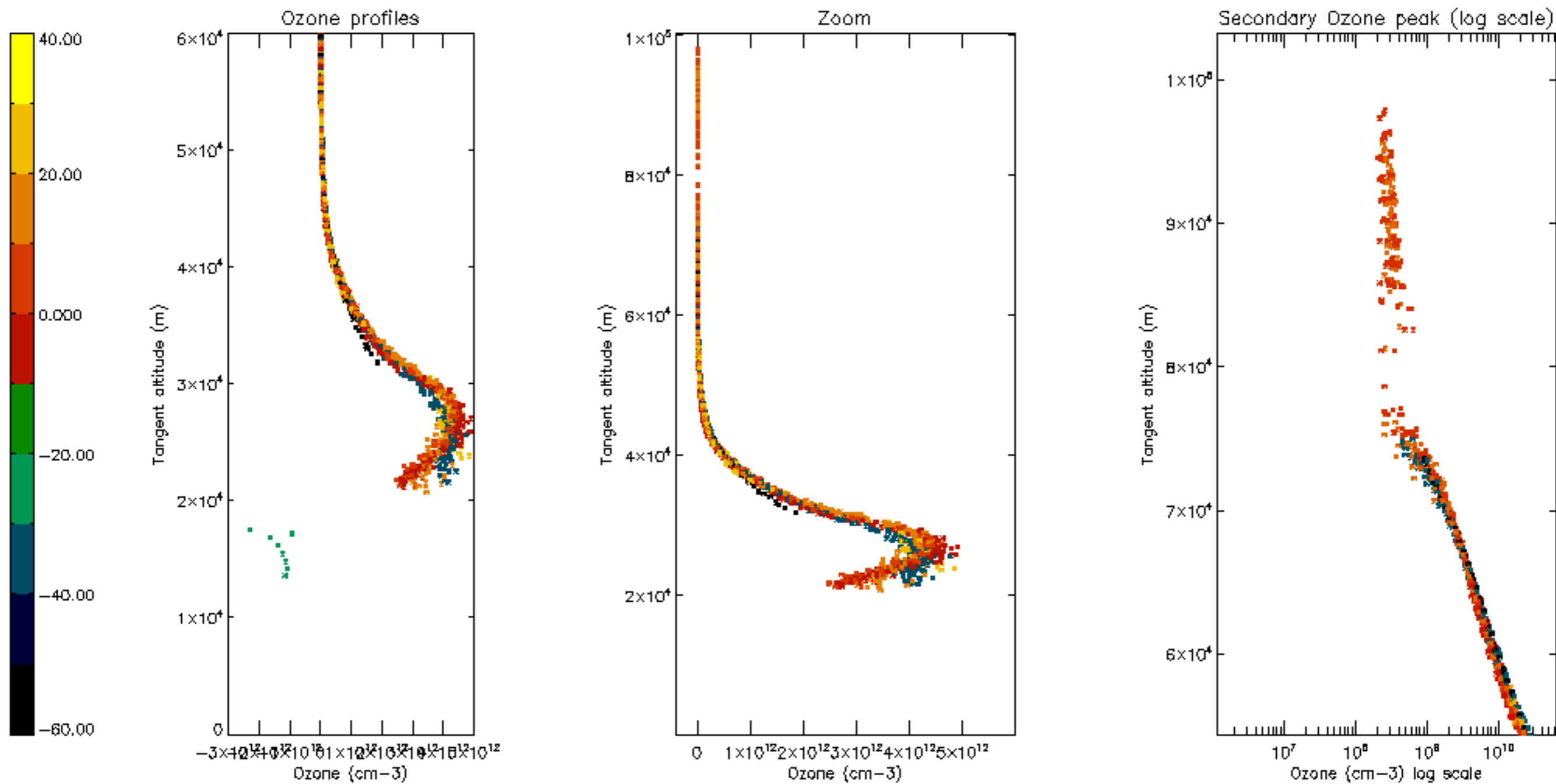


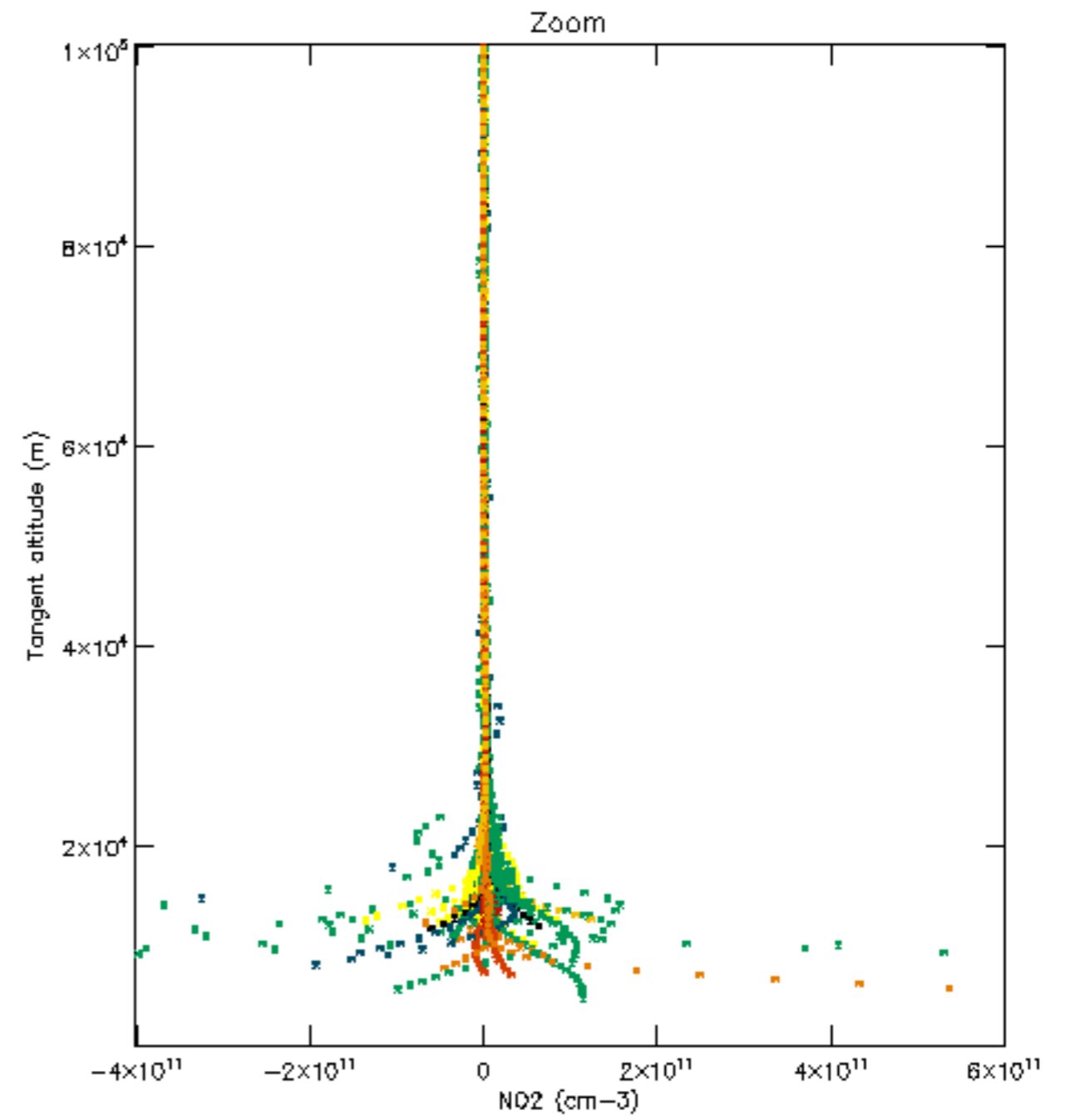
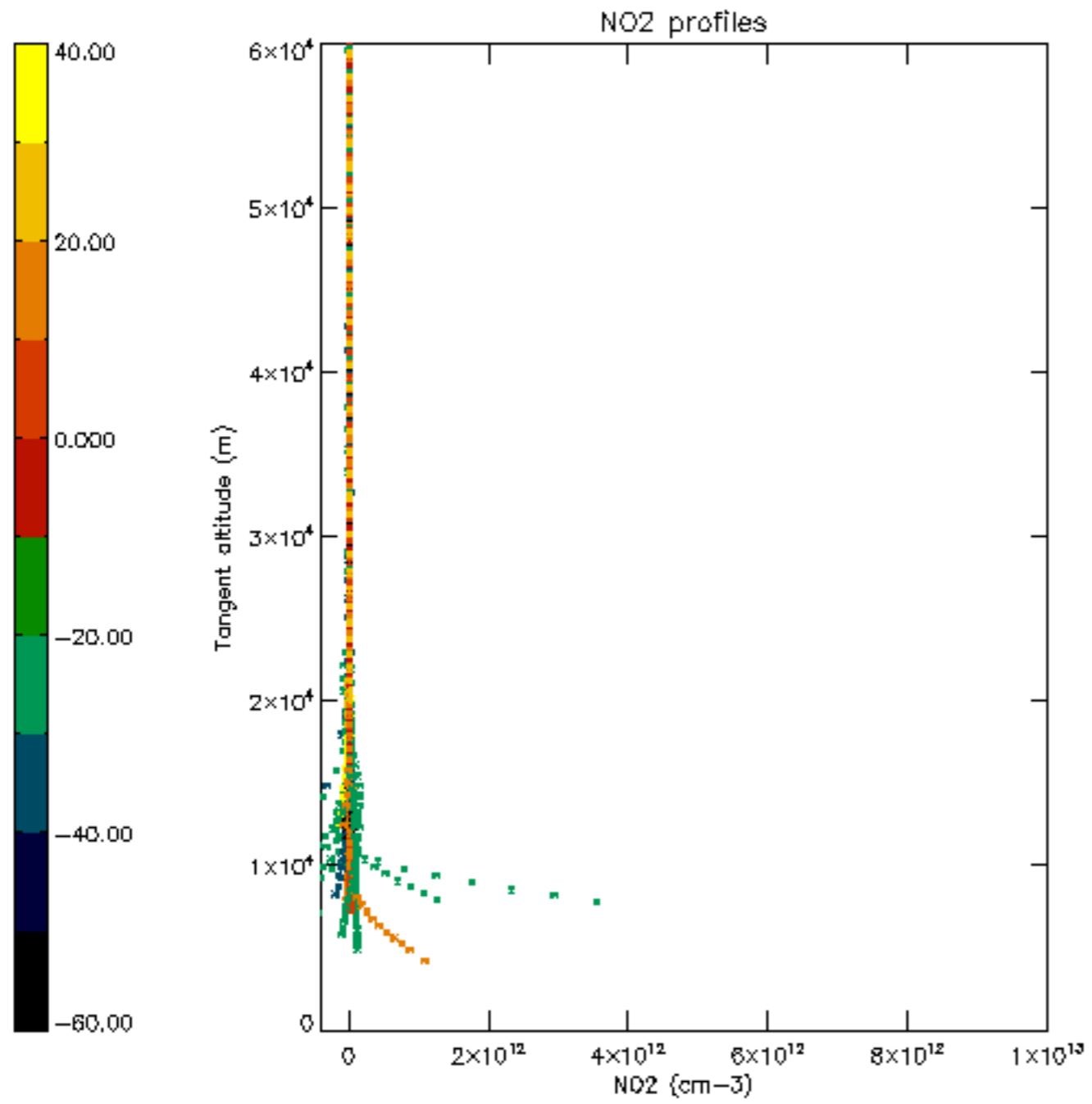


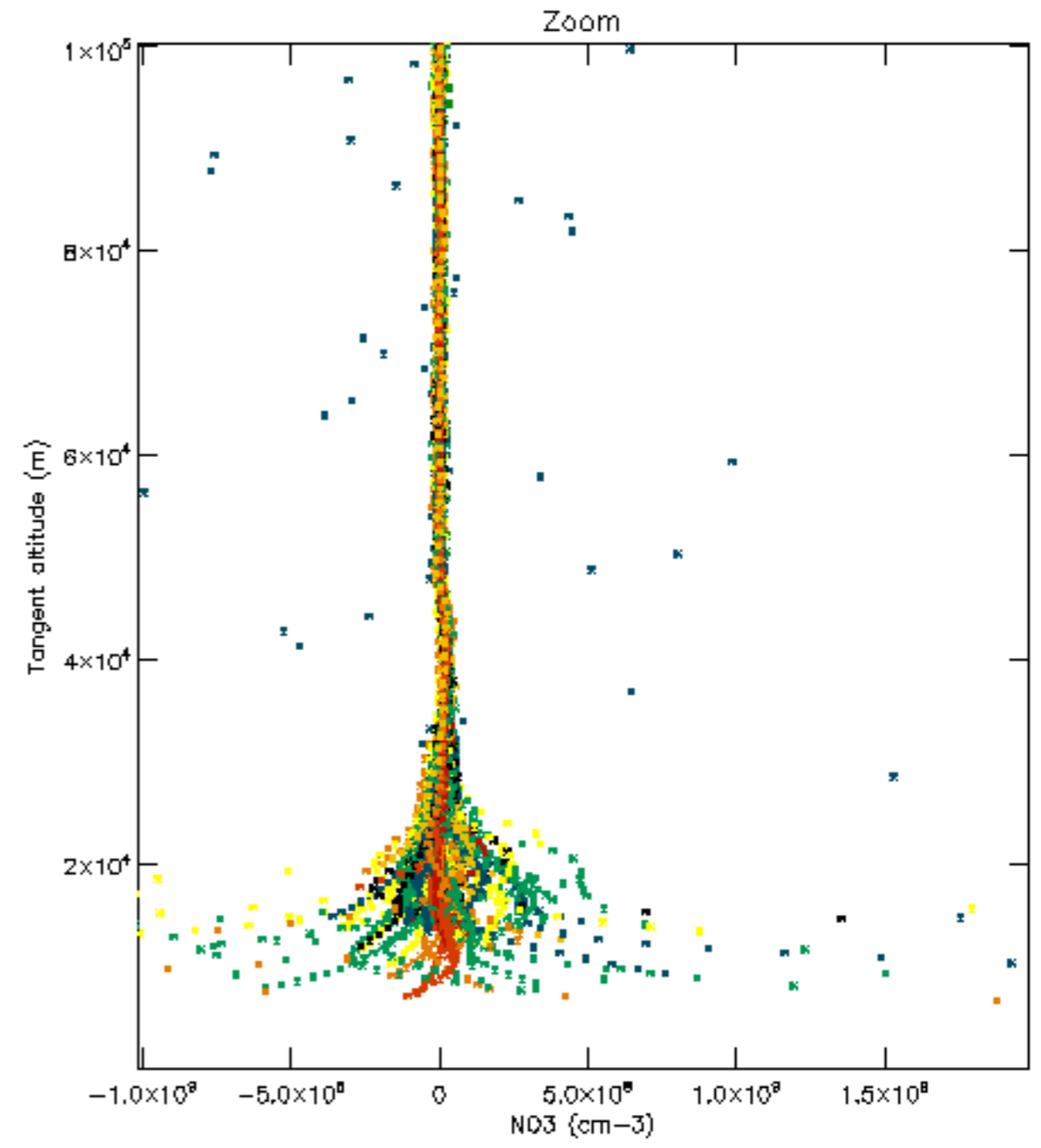
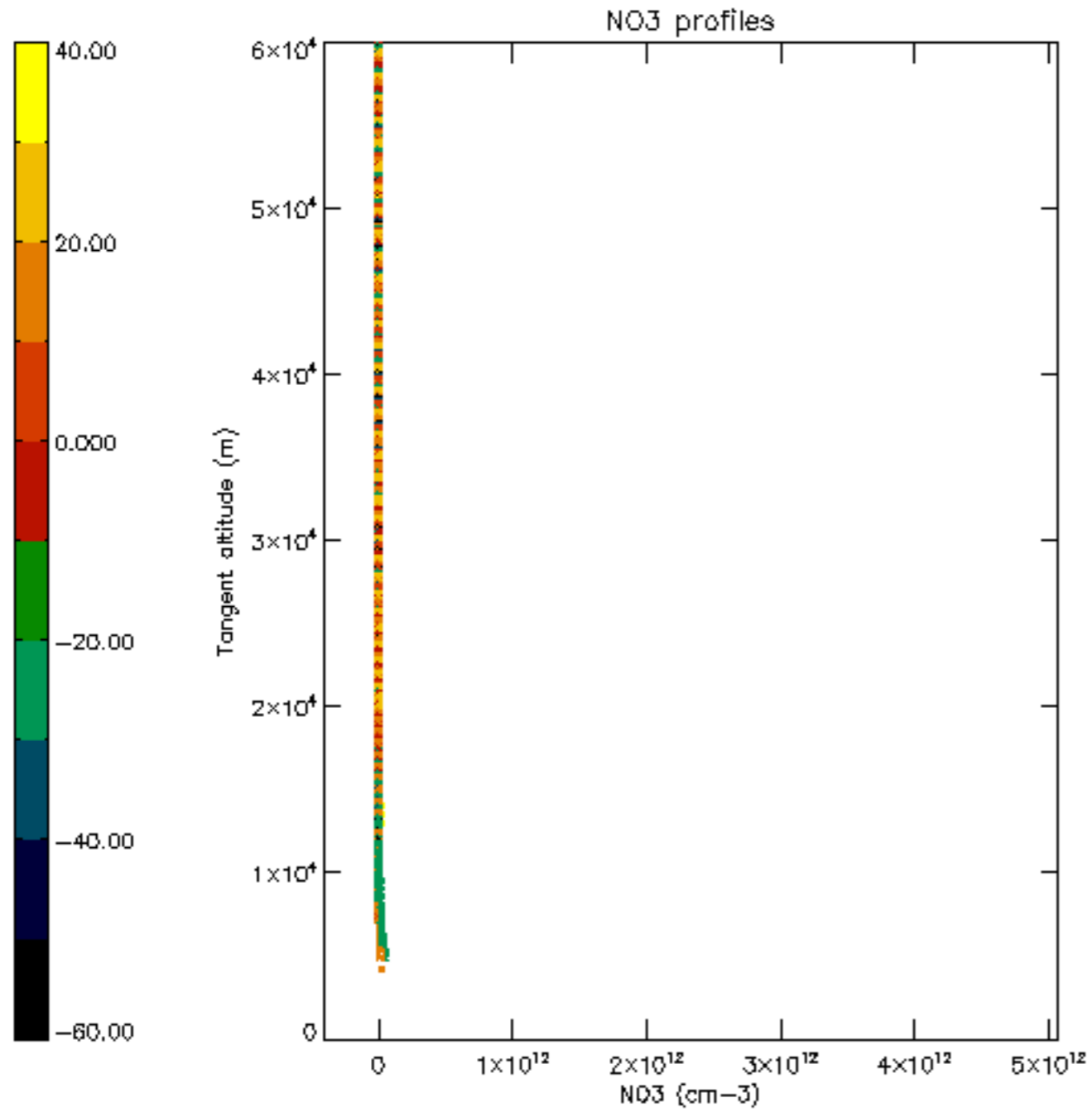




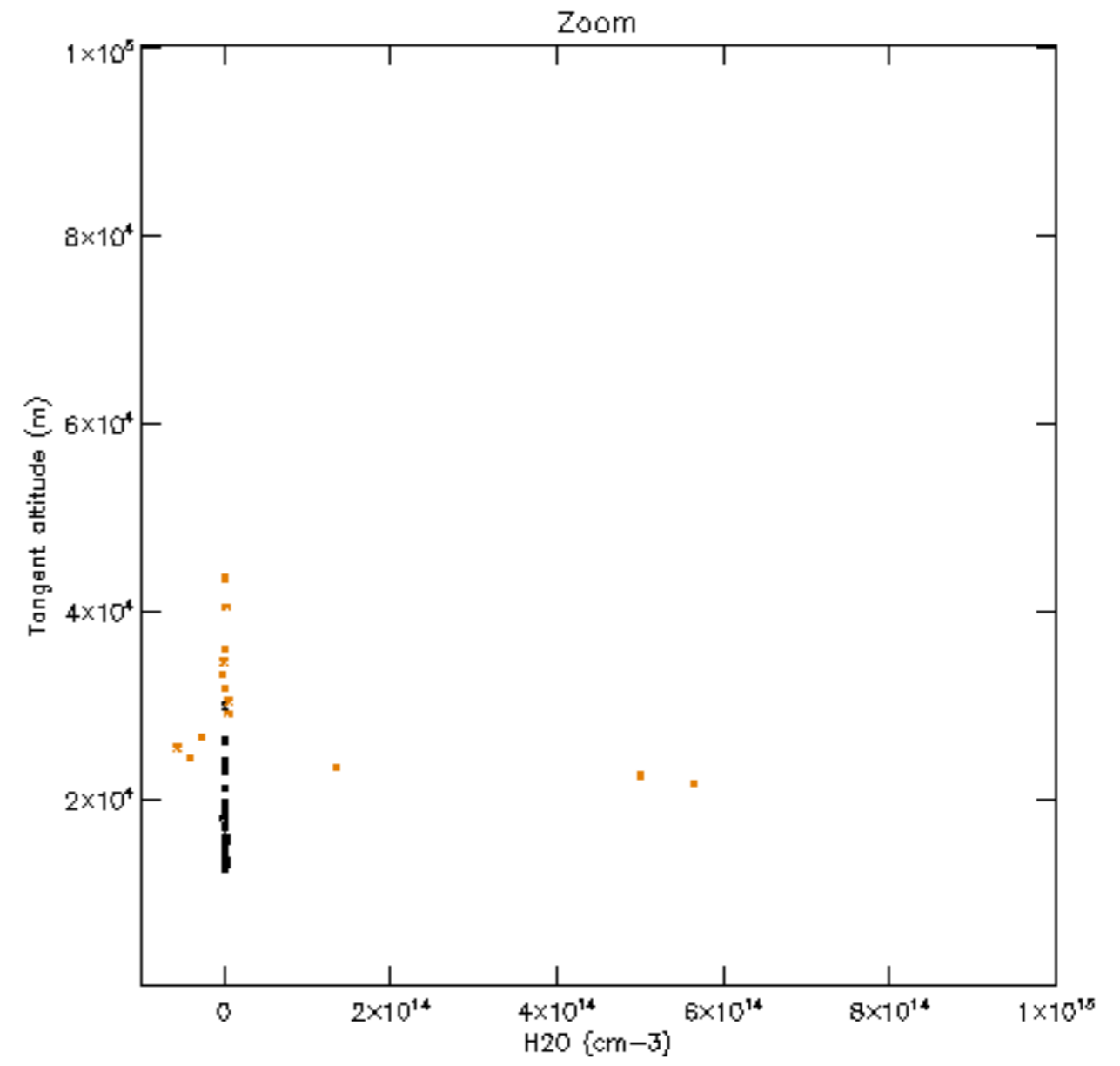
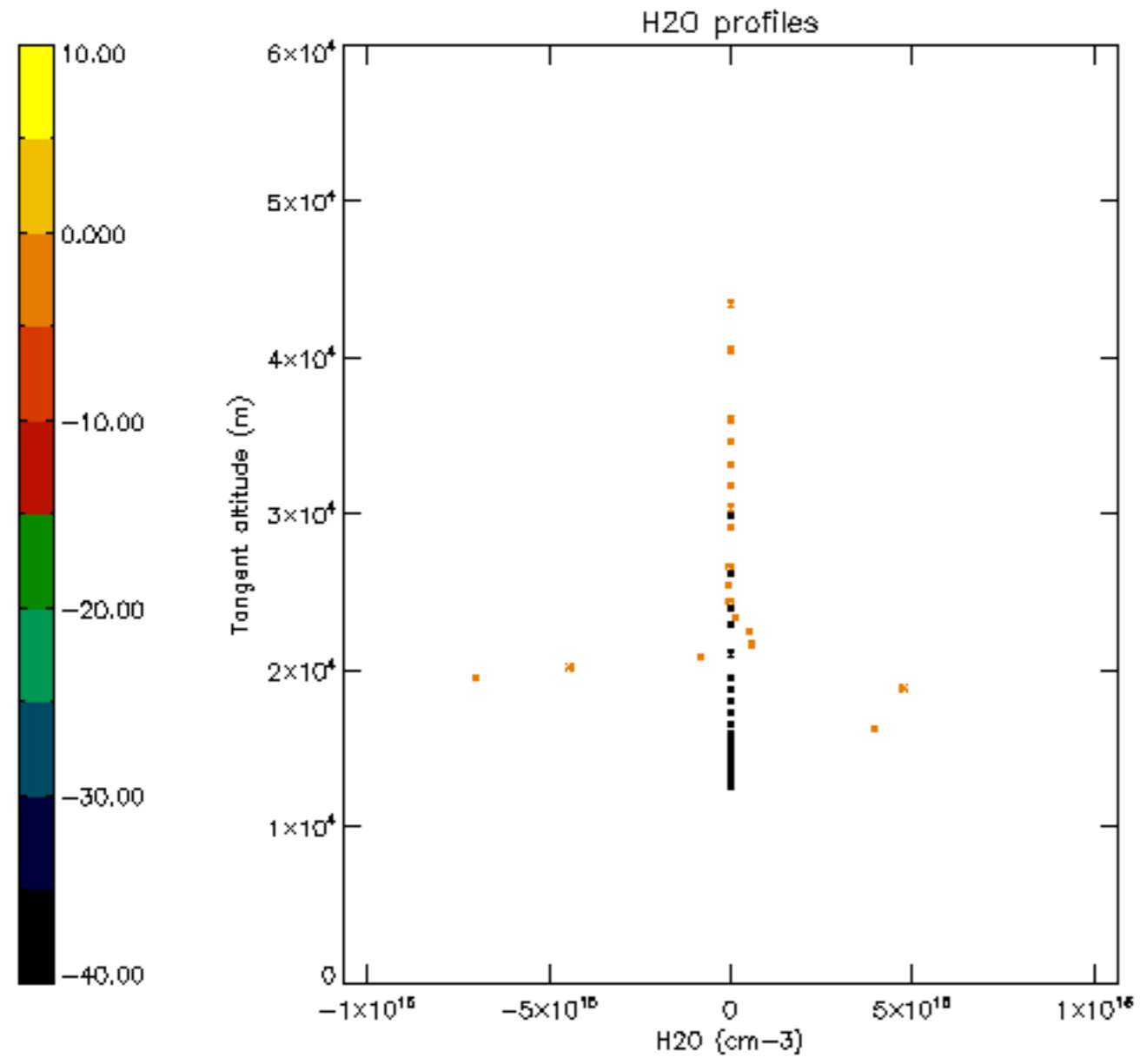


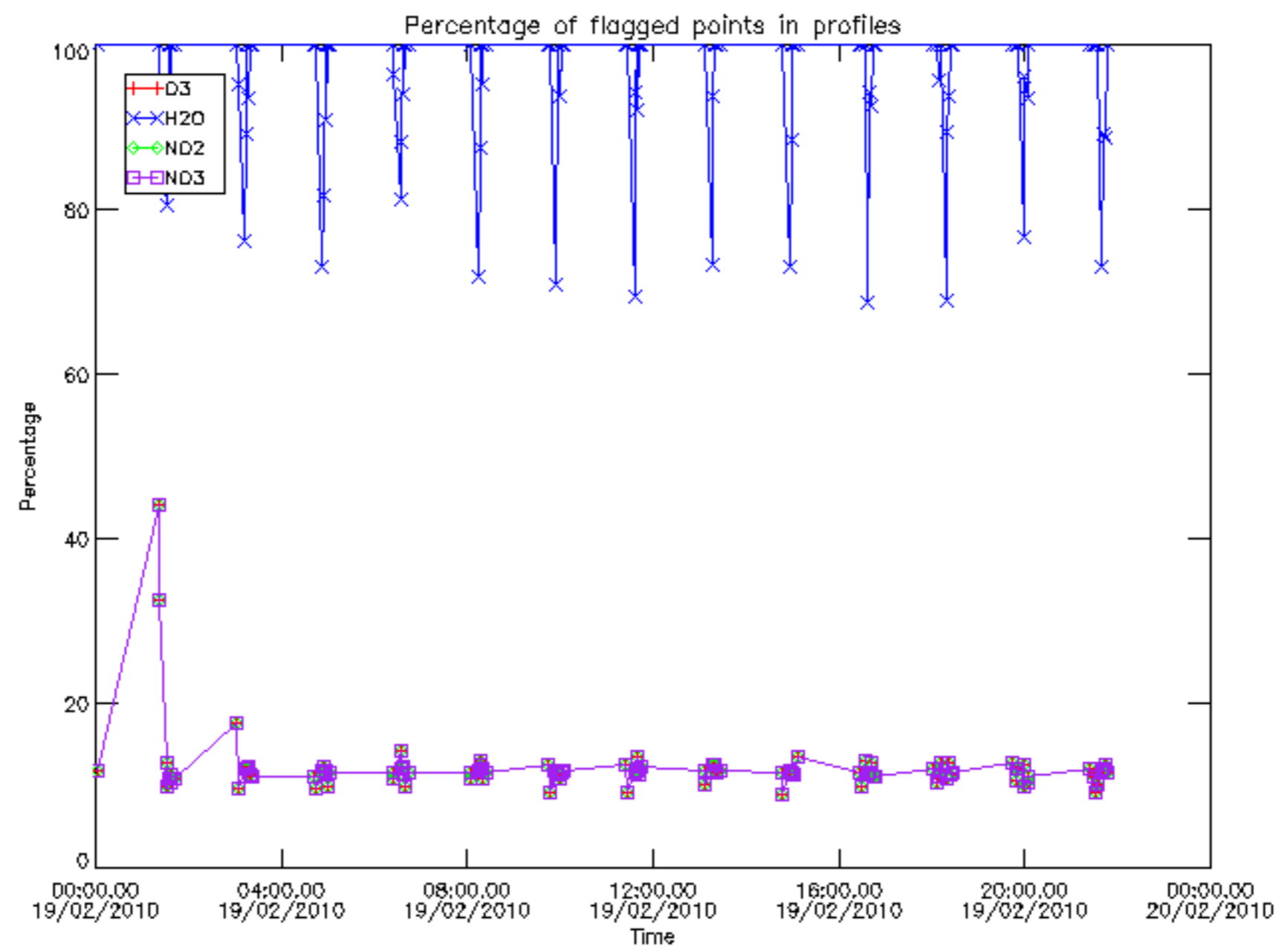




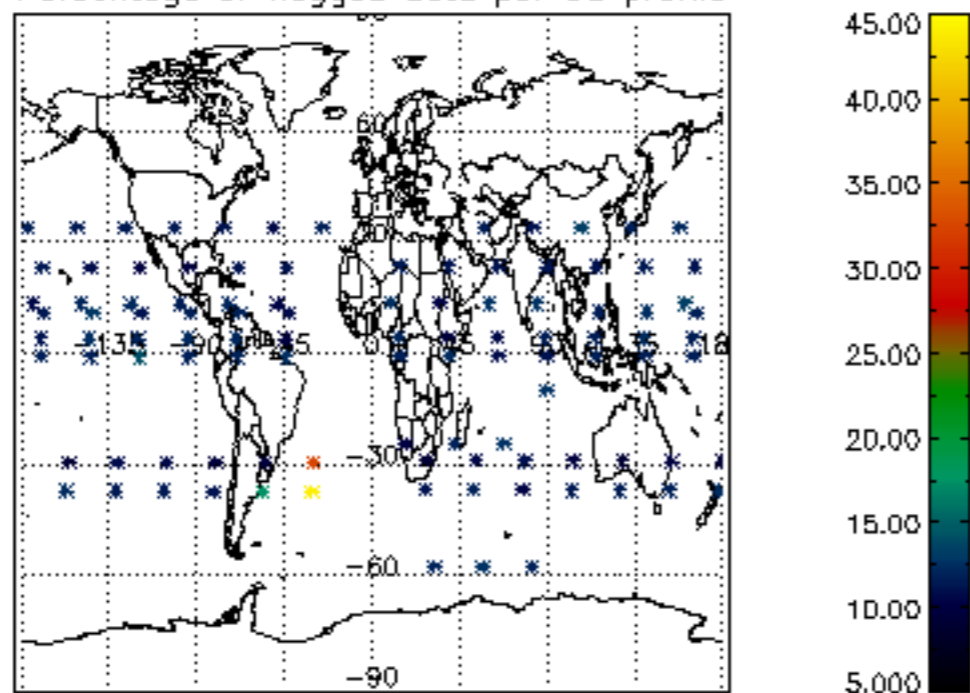




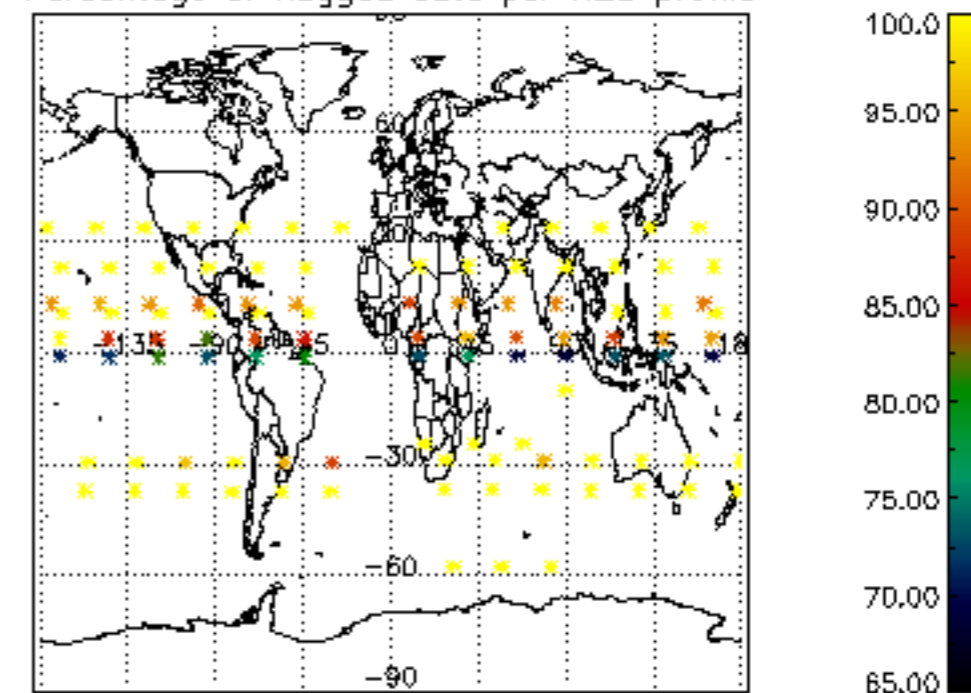




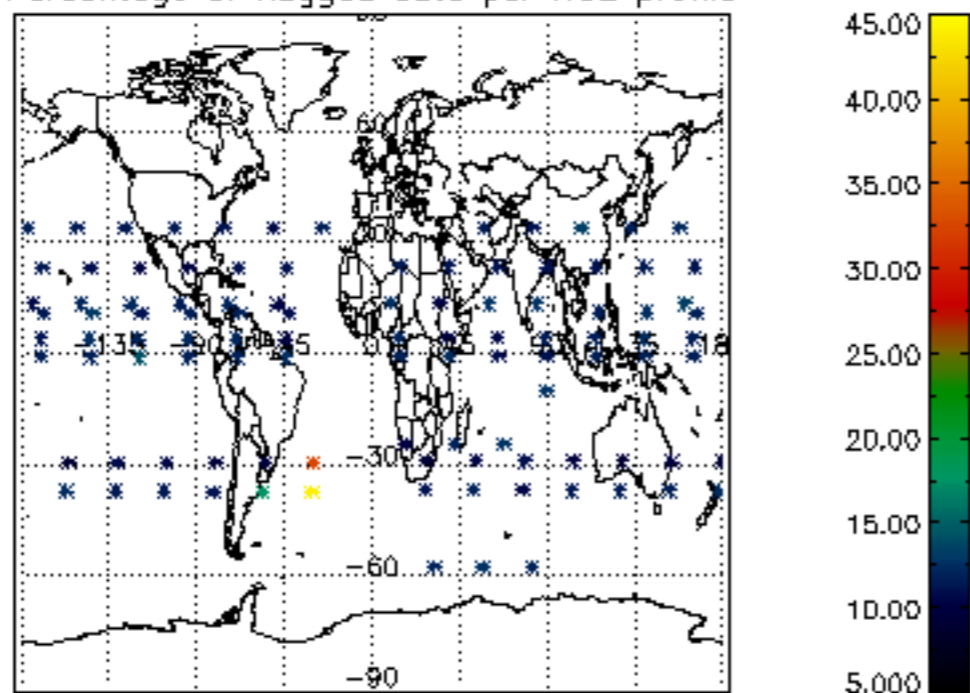
Percentage of flagged data per D3 profile



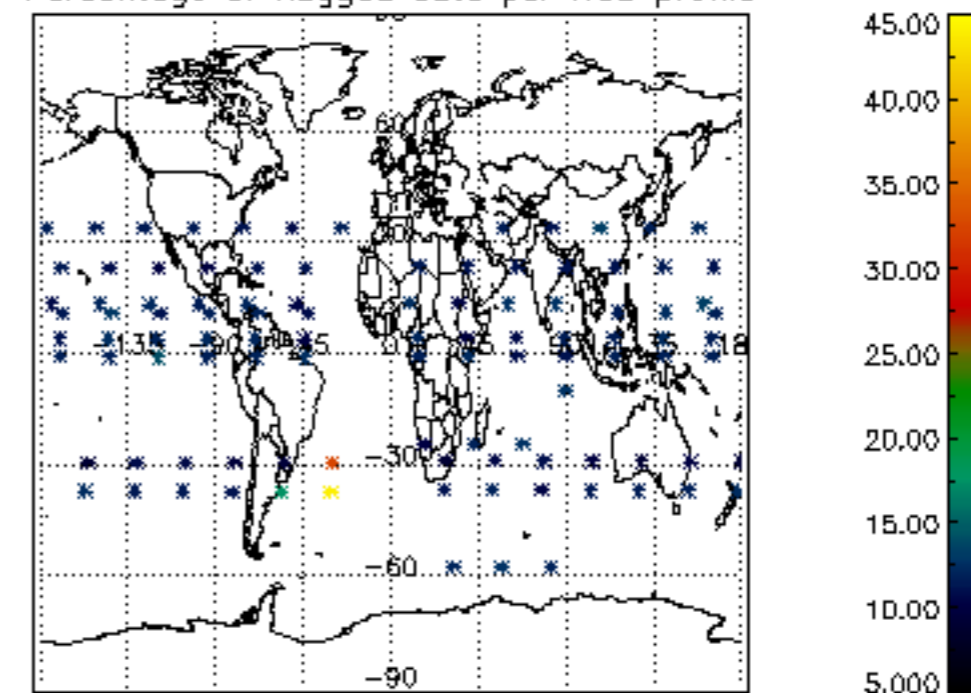
Percentage of flagged data per H2O profile

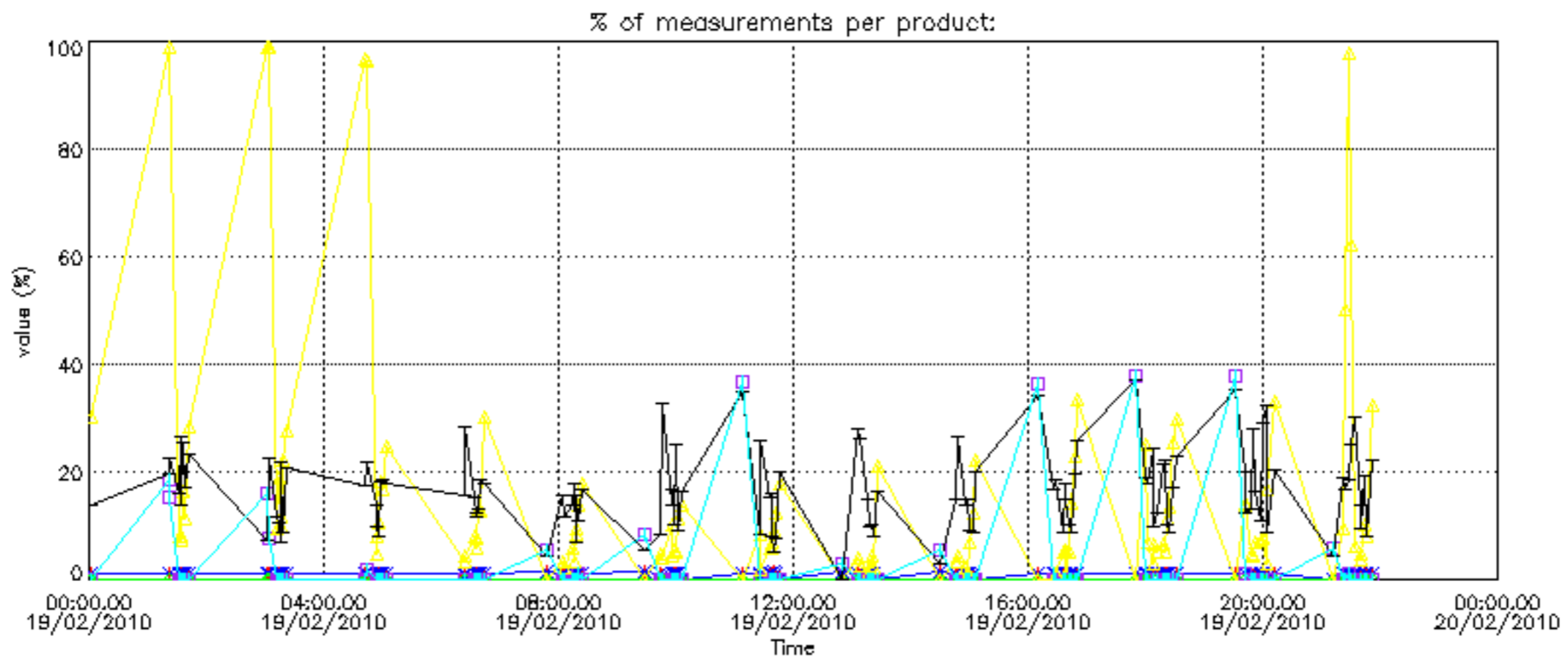


Percentage of flagged data per NO2 profile

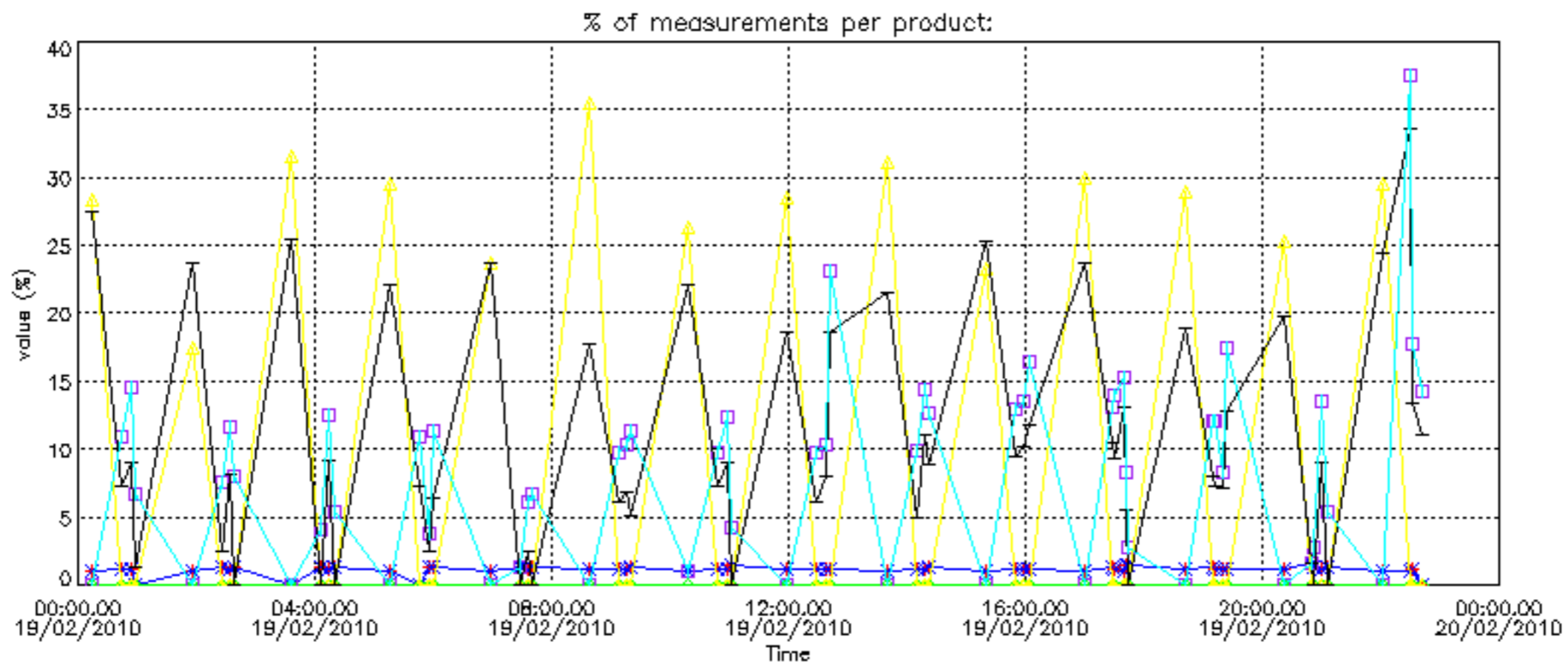


Percentage of flagged data per NO3 profile

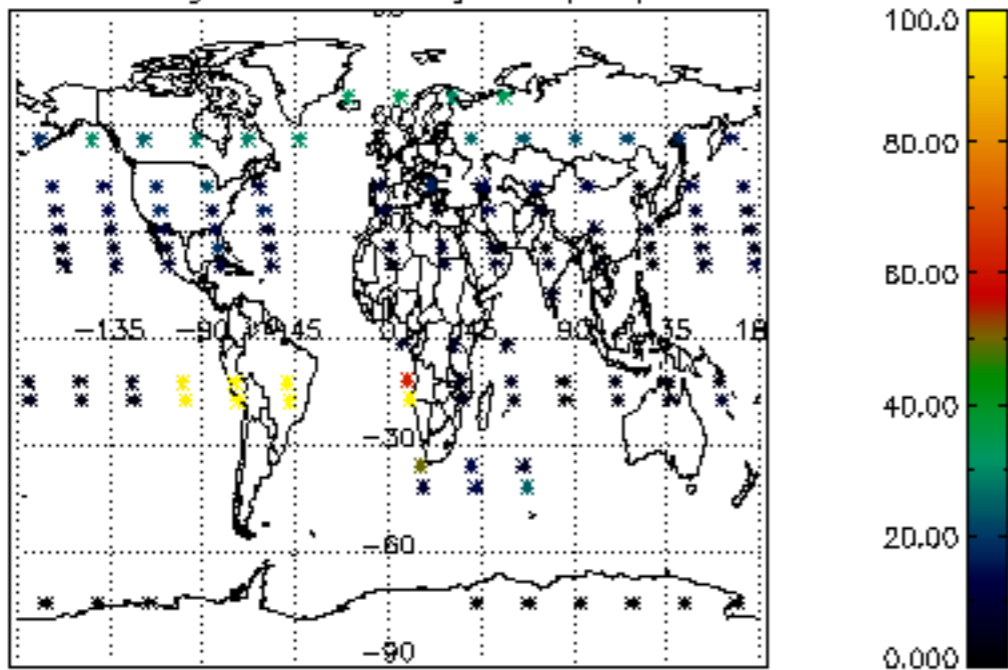




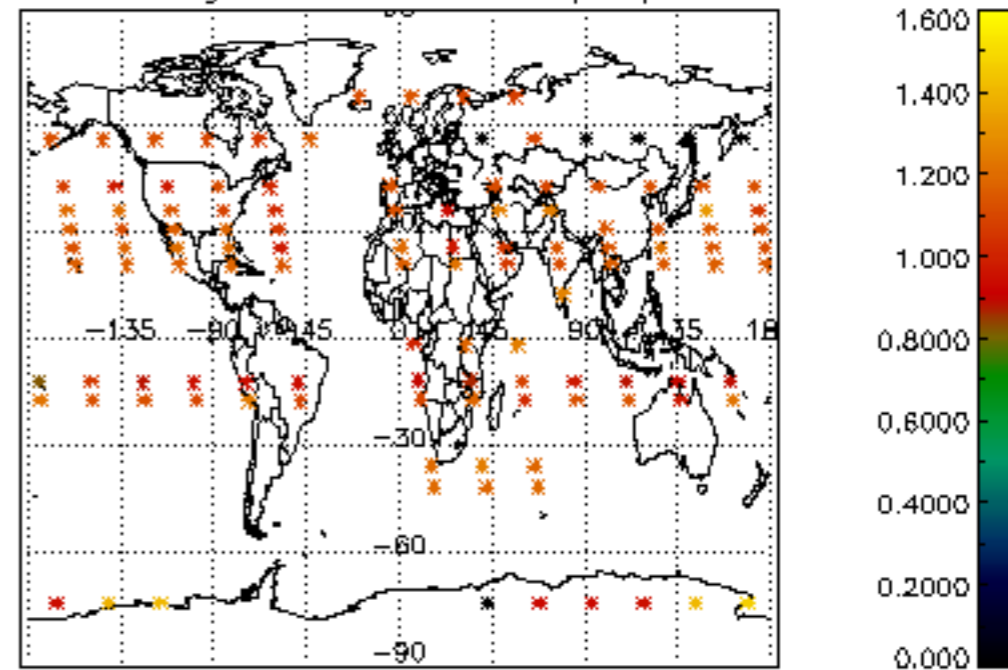




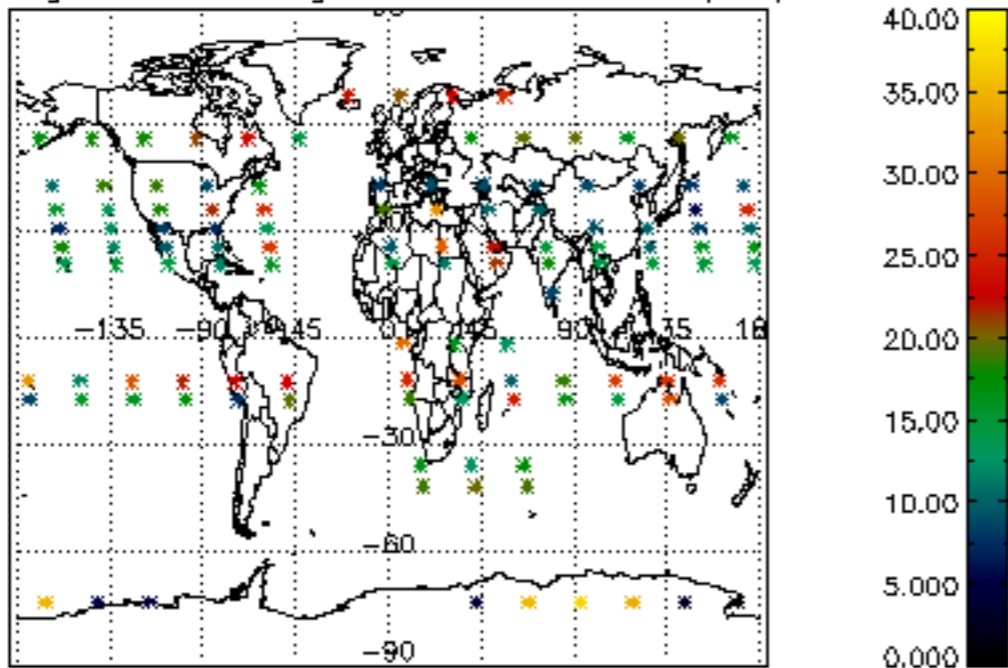
Percentage of cosmic ray hits per profile



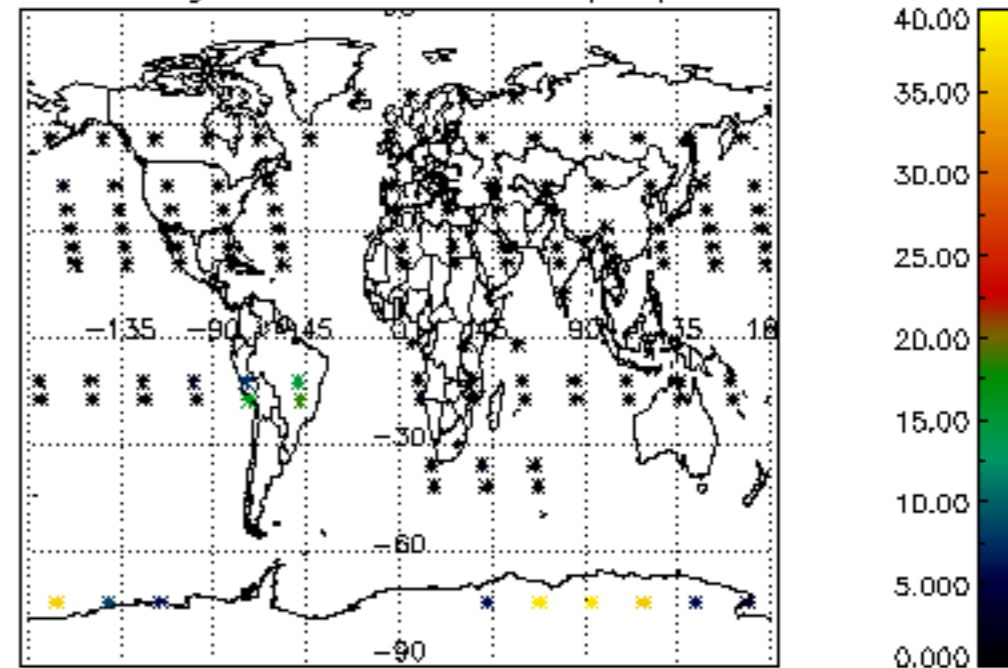
Percentage of datation errors per profile



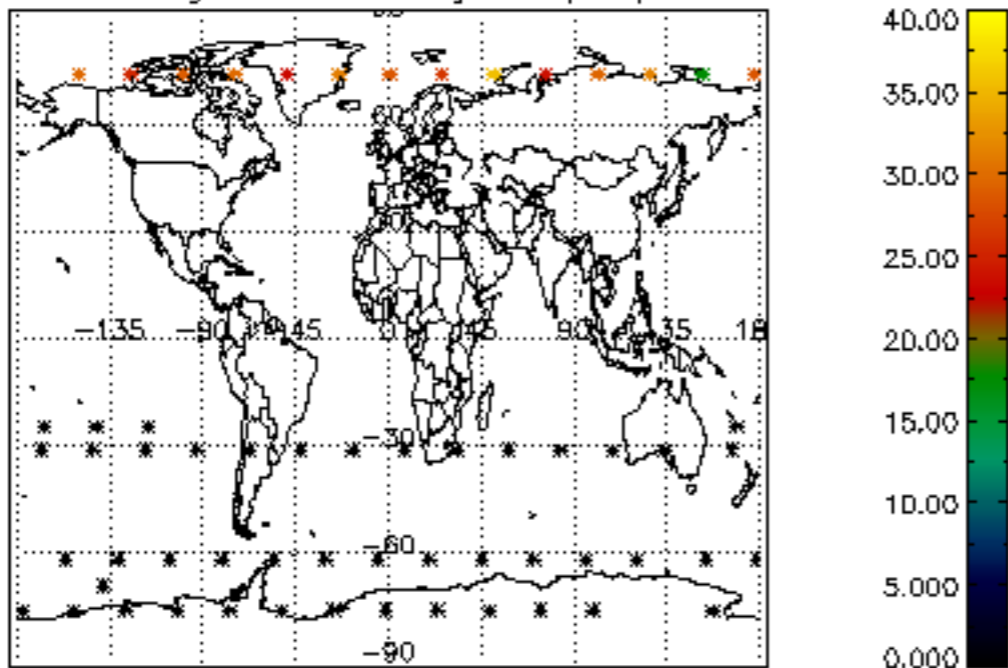
Percentage of star falling outside central band per profile



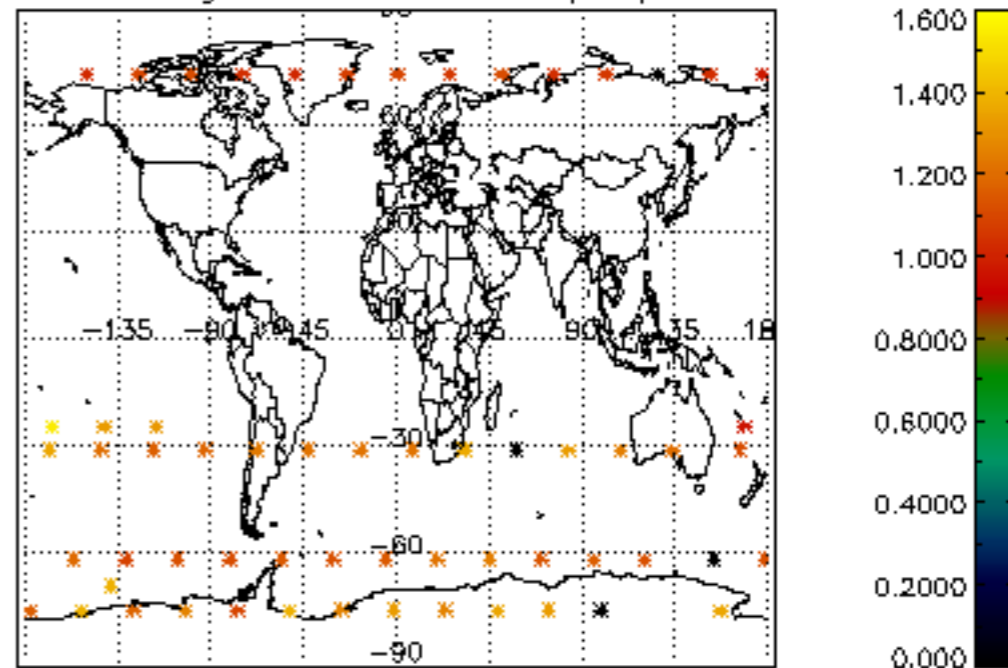
Percentage of saturation errors per profile



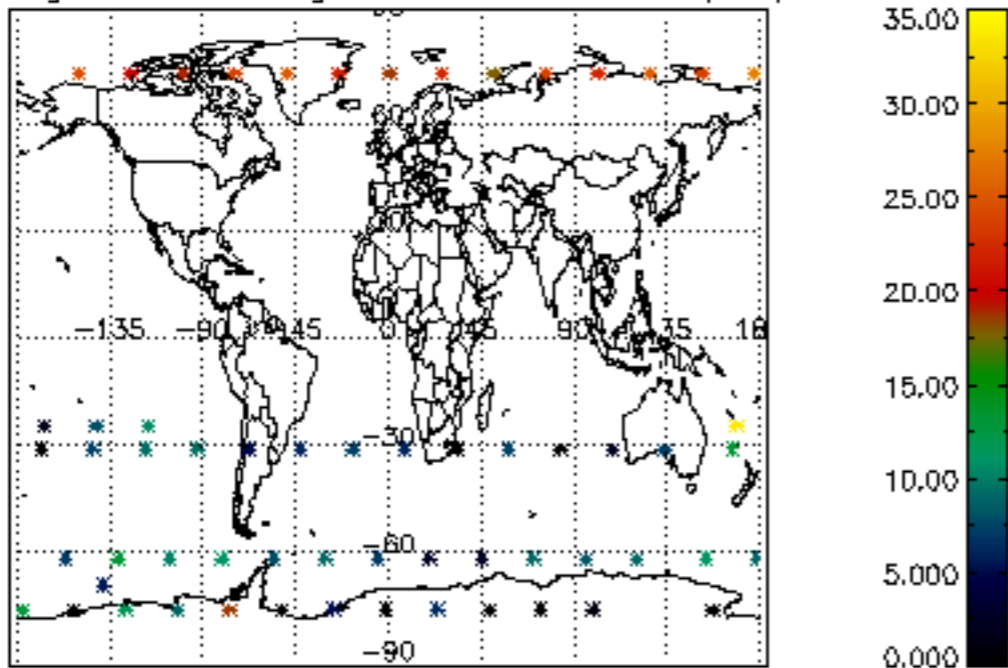
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

