

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	29APR2013 15:07:14
Data source version	GOMOS/6.01
Start time of products	08-09-2010 (08SEP2010 00:00:00)
Stop time of products	09-09-2010 (09SEP2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	226
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__2PRFIN20100908_000004_000000392092_00417_44559_3037.N1	08-SEP-2010 00:00:04	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	44559	No
2	GOM_NL__2PRFIN20100908_000517_000000442092_00417_44559_3038.N1	08-SEP-2010 00:05:17	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44559	No
3	GOM_NL__2PRFIN20100908_000930_000000422092_00417_44559_3039.N1	08-SEP-2010 00:09:30	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	44559	No
4	GOM_NL__2PRFIN20100908_001954_000000422092_00417_44559_3040.N1	08-SEP-2010 00:19:54	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44559	No
5	GOM_NL__2PRFIN20100908_002154_000000452092_00417_44559_3041.N1	08-SEP-2010 00:21:54	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44559	No
6	GOM_NL__2PRFIN20100908_004253_000000402092_00417_44559_3042.N1	08-SEP-2010 00:42:53	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44559	No
7	GOM_NL__2PRFIN20100908_004710_000000472092_00417_44559_3043.N1	08-SEP-2010 00:47:10	Twilight	47.000	151	13Mu Gem	2.8900	3000.0	94	44559	No
8	GOM_NL__2PRFIN20100908_004903_000000552092_00417_44559_3044.N1	08-SEP-2010 00:49:03	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	44559	No
9	GOM_NL__2PRFIN20100908_005056_000000512092_00417_44559_3045.N1	08-SEP-2010 00:50:56	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	44559	No
10	GOM_NL__2PRFIN20100908_005909_000000602092_00417_44559_3046.N1	08-SEP-2010 00:59:09	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	44559	No
11	GOM_NL__2PRFIN20100908_010654_000000472092_00417_44559_3047.N1	08-SEP-2010 01:06:54	Dark	46.500	108	Alp Col	2.6520	15200.	93	44559	No
12	GOM_NL__2PRFIN20100908_011843_000000412092_00418_44560_3037.N1	08-SEP-2010 01:18:43	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44560	No
13	GOM_NL__2PRFIN20100908_012005_000000522092_00418_44560_3038.N1	08-SEP-2010 01:20:05	Dark	51.500	9	Alp Eri	0.45300	24000.	103	44560	No
14	GOM_NL__2PRFIN20100908_012558_000000532092_00418_44560_3039.N1	08-SEP-2010 01:25:58	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44560	No
15	GOM_NL__2PRFIN20100908_013138_000000462092_00418_44560_3040.N1	08-SEP-2010 01:31:38	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	44560	No
16	GOM_NL__2PRFIN20100908_014040_000000402092_00418_44560_3041.N1	08-SEP-2010 01:40:40	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	44560	No
17	GOM_NL__2PRFIN20100908_014552_000000432092_00418_44560_3042.N1	08-SEP-2010 01:45:52	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	44560	No
18	GOM_NL__2PRFIN20100908_015006_000000412092_00418_44560_3043.N1	08-SEP-2010 01:50:06	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44560	No
19	GOM_NL__2PRFIN20100908_020029_000000462092_00418_44560_3044.N1	08-SEP-2010 02:00:29	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	44560	No
20	GOM_NL__2PRFIN20100908_020229_000000462092_00418_44560_3045.N1	08-SEP-2010 02:02:29	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44560	No
21	GOM_NL__2PRFIN20100908_022329_000000412092_00418_44560_3046.N1	08-SEP-2010 02:23:29	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44560	No
22	GOM_NL__2PRFIN20100908_022746_000000392092_00418_44560_3047.N1	08-SEP-2010 02:27:46	Twilight	39.000	151	13Mu Gem	2.8900	3000.0	78	44560	No
23	GOM_NL__2PRFIN20100908_022939_000000572092_00418_44560_3048.N1	08-SEP-2010 02:29:39	Twilight	56.500	44	24Gam Gem	1.9280	11000.	113	44560	No
24	GOM_NL__2PRFIN20100908_023133_000000542092_00418_44560_3049.N1	08-SEP-2010 02:31:33	Twilight	54.000	8	10Alp CMi	0.40000	6500.0	108	44560	No
25	GOM_NL__2PRFIN20100908_023946_000000522092_00418_44560_3050.N1	08-SEP-2010 02:39:46	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	44560	No
26	GOM_NL__2PRFIN20100908_024220_000000452092_00418_44560_3051.N1	08-SEP-2010 02:42:20	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	44560	No
27	GOM_NL__2PRFIN20100908_025919_000000422092_00419_44561_3068.N1	08-SEP-2010 02:59:19	Dark	42.000	143	Alp Hyi	2.8570	7200.0	84	44561	No
28	GOM_NL__2PRFIN20100908_030041_000000462092_00419_44561_3069.N1	08-SEP-2010 03:00:41	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44561	No
29	GOM_NL__2PRFIN20100908_030634_000000462092_00419_44561_3070.N1	08-SEP-2010 03:06:34	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44561	No
30	GOM_NL__2PRFIN20100908_031214_000000442092_00419_44561_3071.N1	08-SEP-2010 03:12:14	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	44561	No
31	GOM_NL__2PRFIN20100908_032122_000000332092_00419_44561_3072.N1	08-SEP-2010 03:21:22	Bright	32.500	162	34Alp Aqr	2.9440	5350.0	65	44561	No
32	GOM_NL__2PRFIN20100908_032628_000000442092_00419_44561_3073.N1	08-SEP-2010 03:26:28	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	44561	No
33	GOM_NL__2PRFIN20100908_033041_000000412092_00419_44561_3074.N1	08-SEP-2010 03:30:41	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44561	No
34	GOM_NL__2PRFIN20100908_034105_000000402092_00419_44561_3075.N1	08-SEP-2010 03:41:05	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44561	No
35	GOM_NL__2PRFIN20100908_034305_000000592092_00419_44561_3076.N1	08-SEP-2010 03:43:05	Bright	58.500	76	27Gam Cas	2.3000	30000.	117	44561	No
36	GOM_NL__2PRFIN20100908_040405_000000442092_00419_44561_3077.N1	08-SEP-2010 04:04:05	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	44561	No
37	GOM_NL__2PRFIN20100908_040822_000000392092_00419_44561_3078.N1	08-SEP-2010 04:08:22	Twilight	39.000	151	13Mu Gem	2.8900	3000.0	78	44561	No
38	GOM_NL__2PRFIN20100908_041016_000000552092_00419_44561_3079.N1	08-SEP-2010 04:10:16	Twilight	54.500	44	24Gam Gem	1.9280	11000.	109	44561	No
39	GOM_NL__2PRFIN20100908_041209_000000572092_00419_44561_3080.N1	08-SEP-2010 04:12:09	Twilight	56.500	8	10Alp CMi	0.40000	6500.0	113	44561	No
40	GOM_NL__2PRFIN20100908_042023_000000552092_00419_44561_3081.N1	08-SEP-2010 04:20:23	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	44561	No
41	GOM_NL__2PRFIN20100908_042256_000000482092_00419_44561_3082.N1	08-SEP-2010 04:22:56	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44561	No
42	GOM_NL__2PRFIN20100908_042458_000000452092_00419_44561_3083.N1	08-SEP-2010 04:24:58	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44561	No

43	GOM_NL__2PRFIN20100908_042808_000000472092_00419_44561_3084.N1	08-SEP-2010 04:28:08	Dark	46.500	108	Alp Col	2.6520	15200.	93	44561	No
44	GOM_NL__2PRFIN20100908_043956_000000422092_00420_44562_3079.N1	08-SEP-2010 04:39:56	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44562	No
45	GOM_NL__2PRFIN20100908_044118_000000512092_00420_44562_3080.N1	08-SEP-2010 04:41:18	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44562	No
46	GOM_NL__2PRFIN20100908_044711_000000512092_00420_44562_3081.N1	08-SEP-2010 04:47:11	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	44562	No
47	GOM_NL__2PRFIN20100908_045250_000000442092_00420_44562_3082.N1	08-SEP-2010 04:52:50	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	44562	No
48	GOM_NL__2PRFIN20100908_050703_000000442092_00420_44562_3083.N1	08-SEP-2010 05:07:03	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44562	No
49	GOM_NL__2PRFIN20100908_051117_000000412092_00420_44562_3084.N1	08-SEP-2010 05:11:17	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	44562	No
50	GOM_NL__2PRFIN20100908_052140_000000442092_00420_44562_3085.N1	08-SEP-2010 05:21:40	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	44562	No
51	GOM_NL__2PRFIN20100908_052340_000000452092_00420_44562_3086.N1	08-SEP-2010 05:23:40	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44562	No
52	GOM_NL__2PRFIN20100908_054441_000000402092_00420_44562_3087.N1	08-SEP-2010 05:44:41	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44562	No
53	GOM_NL__2PRFIN20100908_054859_000000312092_00420_44562_3088.N1	08-SEP-2010 05:48:59	Twilight	31.000	151	13Mu Gem	2.8900	3000.0	62	44562	No
54	GOM_NL__2PRFIN20100908_055052_000000552092_00420_44562_3089.N1	08-SEP-2010 05:50:52	Twilight	54.500	44	24Gam Gem	1.9280	11000.	109	44562	No
55	GOM_NL__2PRFIN20100908_055245_000000482092_00420_44562_3090.N1	08-SEP-2010 05:52:45	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	44562	No
56	GOM_NL__2PRFIN20100908_060100_000000582092_00420_44562_3091.N1	08-SEP-2010 06:01:00	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	44562	No
57	GOM_NL__2PRFIN20100908_060333_000000482092_00420_44562_3092.N1	08-SEP-2010 06:03:33	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	44562	No
58	GOM_NL__2PRFIN20100908_060534_000000452092_00420_44562_3093.N1	08-SEP-2010 06:05:34	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44562	No
59	GOM_NL__2PRFIN20100908_060845_000000472092_00420_44562_3094.N1	08-SEP-2010 06:08:45	Dark	46.500	108	Alp Col	2.6520	15200.	93	44562	No
60	GOM_NL__2PRFIN20100908_062033_000000382092_00421_44563_3091.N1	08-SEP-2010 06:20:33	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	44563	No
61	GOM_NL__2PRFIN20100908_062154_000000432092_00421_44563_3092.N1	08-SEP-2010 06:21:54	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44563	No
62	GOM_NL__2PRFIN20100908_062747_000000512092_00421_44563_3093.N1	08-SEP-2010 06:27:47	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	44563	No
63	GOM_NL__2PRFIN20100908_063327_000000462092_00421_44563_3094.N1	08-SEP-2010 06:33:27	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	44563	No
64	GOM_NL__2PRFIN20100908_064739_000000432092_00421_44563_3095.N1	08-SEP-2010 06:47:39	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	44563	No
65	GOM_NL__2PRFIN20100908_065153_000000392092_00421_44563_3096.N1	08-SEP-2010 06:51:53	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	44563	No
66	GOM_NL__2PRFIN20100908_070215_000000452092_00421_44563_3097.N1	08-SEP-2010 07:02:15	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44563	No
67	GOM_NL__2PRFIN20100908_070415_000000442092_00421_44563_3098.N1	08-SEP-2010 07:04:15	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44563	No
68	GOM_NL__2PRFIN20100908_072518_000000542092_00421_44563_3099.N1	08-SEP-2010 07:25:18	Bright	53.500	24	66Alp Gem	1.5800	10200.	107	44563	No
69	GOM_NL__2PRFIN20100908_072935_000000312092_00421_44563_3100.N1	08-SEP-2010 07:29:35	Twilight	31.000	151	13Mu Gem	2.8900	3000.0	62	44563	No
70	GOM_NL__2PRFIN20100908_073129_000000502092_00421_44563_3101.N1	08-SEP-2010 07:31:29	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	44563	No
71	GOM_NL__2PRFIN20100908_073322_000000412092_00421_44563_3102.N1	08-SEP-2010 07:33:22	Twilight	41.000	8	10Alp CMi	0.40000	6500.0	82	44563	No
72	GOM_NL__2PRFIN20100908_074136_000000522092_00421_44563_3103.N1	08-SEP-2010 07:41:36	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	44563	No
73	GOM_NL__2PRFIN20100908_074410_000000482092_00421_44563_3104.N1	08-SEP-2010 07:44:10	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44563	No
74	GOM_NL__2PRFIN20100908_074611_000000452092_00421_44563_3105.N1	08-SEP-2010 07:46:11	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	44563	No
75	GOM_NL__2PRFIN20100908_074922_000000472092_00421_44563_3106.N1	08-SEP-2010 07:49:22	Dark	47.000	108	Alp Col	2.6520	15200.	94	44563	No
76	GOM_NL__2PRFIN20100908_080109_000000392092_00422_44564_3101.N1	08-SEP-2010 08:01:09	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	44564	No
77	GOM_NL__2PRFIN20100908_080231_000000542092_00422_44564_3102.N1	08-SEP-2010 08:02:31	Dark	54.000	9	Alp Eri	0.45300	24000.	108	44564	No
78	GOM_NL__2PRFIN20100908_080824_000000462092_00422_44564_3103.N1	08-SEP-2010 08:08:24	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44564	No
79	GOM_NL__2PRFIN20100908_081403_000000452092_00422_44564_3104.N1	08-SEP-2010 08:14:03	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44564	No
80	GOM_NL__2PRFIN20100908_082814_000000442092_00422_44564_3105.N1	08-SEP-2010 08:28:14	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44564	No
81	GOM_NL__2PRFIN20100908_083228_000000422092_00422_44564_3106.N1	08-SEP-2010 08:32:28	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	44564	No
82	GOM_NL__2PRFIN20100908_084251_000000422092_00422_44564_3107.N1	08-SEP-2010 08:42:51	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44564	No
83	GOM_NL__2PRFIN20100908_084450_000000432092_00422_44564_3108.N1	08-SEP-2010 08:44:50	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44564	No
84	GOM_NL__2PRFIN20100908_090554_000000582092_00422_44564_3109.N1	08-SEP-2010 09:05:54	Bright	58.000	24	66Alp Gem	1.5800	10200.	116	44564	No
85	GOM_NL__2PRFIN20100908_090846_000000492092_00422_44564_3110.N1	08-SEP-2010 09:08:46	Twilight	48.500	170	27Eps Gem	3.0000	9700.0	97	44564	No
86	GOM_NL__2PRFIN20100908_091206_000000562092_00422_44564_3111.N1	08-SEP-2010 09:12:06	Twilight	55.500	44	24Gam Gem	1.9280	11000.	111	44564	No
87	GOM_NL__2PRFIN20100908_091358_000000472092_00422_44564_3112.N1	08-SEP-2010 09:13:58	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	44564	No
88	GOM_NL__2PRFIN20100908_092213_000000562092_00422_44564_3113.N1	08-SEP-2010 09:22:13	Dark	55.500	1	9Alp CMa	-1.4400	11000.	111	44564	No
89	GOM_NL__2PRFIN20100908_092446_000000482092_00422_44564_3114.N1	08-SEP-2010 09:24:46	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44564	No
90	GOM_NL__2PRFIN20100908_092648_000000452092_00422_44564_3115.N1	08-SEP-2010 09:26:48	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	44564	No
91	GOM_NL__2PRFIN20100908_092959_000000472092_00422_44564_3116.N1	08-SEP-2010 09:29:59	Dark	47.000	108	Alp Col	2.6520	15200.	94	44564	No
92	GOM_NL__2PRFIN20100908_094146_000000382092_00423_44565_3157.N1	08-SEP-2010 09:41:46	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	44565	No
93	GOM_NL__2PRFIN20100908_094308_000000462092_00423_44565_3158.N1	08-SEP-2010 09:43:08	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44565	No
94	GOM_NL__2PRFIN20100908_094900_000000502092_00423_44565_3159.N1	08-SEP-2010 09:49:00	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44565	No
95	GOM_NL__2PRFIN20100908_095439_000000442092_00423_44565_3160.N1	08-SEP-2010 09:54:39	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	44565	No
96	GOM_NL__2PRFIN20100908_100850_000000432092_00423_44565_3161.N1	08-SEP-2010 10:08:50	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	44565	No
97	GOM_NL__2PRFIN20100908_101304_000000412092_00423_44565_3162.N1	08-SEP-2010 10:13:04	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44565	No
98	GOM_NL__2PRFIN20100908_102326_000000422092_00423_44565_3163.N1	08-SEP-2010 10:23:26	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44565	No
99	GOM_NL__2PRFIN20100908_102525_000000472092_00423_44565_3164.N1	08-SEP-2010 10:25:25	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	44565	No
100	GOM_NL__2PRFIN20100908_104630_000000392092_00423_44565_3165.N1	08-SEP-2010 10:46:30	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	44565	No
101	GOM_NL__2PRFIN20100908_104922_000000542092_00423_44565_3166.N1	08-SEP-2010 10:49:22	Twilight	53.500	170	27Eps Gem	3.0000	9700.0	107	44565	No

102	GOM_NL__2PRFIN20100908_105242_000000562092_00423_44565_3167.N1	08-SEP-2010 10:52:42	Twilight	56.000	44	24Gam Gem	1.9280	11000.	112	44565	No
103	GOM_NL__2PRFIN20100908_105434_000000512092_00423_44565_3168.N1	08-SEP-2010 10:54:34	Twilight	51.000	8	10Alp CMI	0.40000	6500.0	102	44565	No
104	GOM_NL__2PRFIN20100908_110250_000000532092_00423_44565_3169.N1	08-SEP-2010 11:02:50	Dark	53.000	1	9Alp CMA	-1.4400	11000.	106	44565	No
105	GOM_NL__2PRFIN20100908_110523_000000472092_00423_44565_3170.N1	08-SEP-2010 11:05:23	Dark	46.500	23	21Eps CMA	1.5020	26000.	93	44565	No
106	GOM_NL__2PRFIN20100908_110725_000000442092_00423_44565_3171.N1	08-SEP-2010 11:07:25	Dark	43.500	177	1Zet CMA	3.0220	26000.	87	44565	No
107	GOM_NL__2PRFIN20100908_111036_000000492092_00423_44565_3172.N1	08-SEP-2010 11:10:36	Dark	48.500	108	Alp Col	2.6520	15200.	97	44565	No
108	GOM_NL__2PRFIN20100908_112222_000000402092_00424_44566_3189.N1	08-SEP-2010 11:22:22	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	44566	No
109	GOM_NL__2PRFIN20100908_112344_000000492092_00424_44566_3190.N1	08-SEP-2010 11:23:44	Dark	48.500	9	Alp Eri	0.45300	24000.	97	44566	No
110	GOM_NL__2PRFIN20100908_112937_000000472092_00424_44566_3191.N1	08-SEP-2010 11:29:37	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44566	No
111	GOM_NL__2PRFIN20100908_113515_000000432092_00424_44566_3192.N1	08-SEP-2010 11:35:15	Straylight	43.000	18	24Alp PsA	1.1660	9700.0	86	44566	No
112	GOM_NL__2PRFIN20100908_114926_000000422092_00424_44566_3193.N1	08-SEP-2010 11:49:26	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	44566	No
113	GOM_NL__2PRFIN20100908_115339_000000402092_00424_44566_3194.N1	08-SEP-2010 11:53:39	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	44566	No
114	GOM_NL__2PRFIN20100908_120401_000000452092_00424_44566_3195.N1	08-SEP-2010 12:04:01	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44566	No
115	GOM_NL__2PRFIN20100908_120601_000000462092_00424_44566_3196.N1	08-SEP-2010 12:06:01	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44566	No
116	GOM_NL__2PRFIN20100908_122706_000000422092_00424_44566_3197.N1	08-SEP-2010 12:27:06	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	44566	No
117	GOM_NL__2PRFIN20100908_122958_000000542092_00424_44566_3198.N1	08-SEP-2010 12:29:58	Twilight	53.500	170	27Eps Gem	3.0000	9700.0	107	44566	No
118	GOM_NL__2PRFIN20100908_123318_000000562092_00424_44566_3199.N1	08-SEP-2010 12:33:18	Twilight	55.500	44	24Gam Gem	1.9280	11000.	111	44566	No
119	GOM_NL__2PRFIN20100908_123511_000000552092_00424_44566_3200.N1	08-SEP-2010 12:35:11	Twilight	54.500	8	10Alp CMI	0.40000	6500.0	109	44566	No
120	GOM_NL__2PRFIN20100908_124327_000000582092_00424_44566_3201.N1	08-SEP-2010 12:43:27	Dark	57.500	1	9Alp CMA	-1.4400	11000.	115	44566	No
121	GOM_NL__2PRFIN20100908_124559_000000462092_00424_44566_3202.N1	08-SEP-2010 12:45:59	Dark	45.500	23	21Eps CMA	1.5020	26000.	91	44566	No
122	GOM_NL__2PRFIN20100908_124801_000000452092_00424_44566_3203.N1	08-SEP-2010 12:48:01	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	44566	No
123	GOM_NL__2PRFIN20100908_125113_000000472092_00424_44566_3204.N1	08-SEP-2010 12:51:13	Dark	47.000	108	Alp Col	2.6520	15200.	94	44566	No
124	GOM_NL__2PRFIN20100908_130258_000000442092_00425_44567_3226.N1	08-SEP-2010 13:02:58	Dark	43.500	143	Alp Hyi	2.8570	7200.0	87	44567	No
125	GOM_NL__2PRFIN20100908_130420_000000472092_00425_44567_3227.N1	08-SEP-2010 13:04:20	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44567	No
126	GOM_NL__2PRFIN20100908_131013_000000522092_00425_44567_3228.N1	08-SEP-2010 13:10:13	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	44567	No
127	GOM_NL__2PRFIN20100908_131551_000000452092_00425_44567_3229.N1	08-SEP-2010 13:15:51	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44567	No
128	GOM_NL__2PRFIN20100908_133001_000000462092_00425_44567_3230.N1	08-SEP-2010 13:30:01	Bright	45.500	90	54Alp Peg	2.4870	11000.	91	44567	No
129	GOM_NL__2PRFIN20100908_133415_000000422092_00425_44567_3231.N1	08-SEP-2010 13:34:15	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	44567	No
130	GOM_NL__2PRFIN20100908_134636_000000422092_00425_44567_3232.N1	08-SEP-2010 13:46:36	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44567	No
131	GOM_NL__2PRFIN20100908_140742_000000402092_00425_44567_3233.N1	08-SEP-2010 14:07:42	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44567	No
132	GOM_NL__2PRFIN20100908_141034_000000562092_00425_44567_3234.N1	08-SEP-2010 14:10:34	Twilight	56.000	170	27Eps Gem	3.0000	9700.0	112	44567	No
133	GOM_NL__2PRFIN20100908_141354_000000582092_00425_44567_3235.N1	08-SEP-2010 14:13:54	Twilight	57.500	44	24Gam Gem	1.9280	11000.	115	44567	No
134	GOM_NL__2PRFIN20100908_141547_000000572092_00425_44567_3236.N1	08-SEP-2010 14:15:47	Twilight	57.000	8	10Alp CMI	0.40000	6500.0	114	44567	No
135	GOM_NL__2PRFIN20100908_142403_000000542092_00425_44567_3237.N1	08-SEP-2010 14:24:03	Dark	53.500	1	9Alp CMA	-1.4400	11000.	107	44567	No
136	GOM_NL__2PRFIN20100908_142636_000000492092_00425_44567_3238.N1	08-SEP-2010 14:26:36	Dark	48.500	23	21Eps CMA	1.5020	26000.	97	44567	No
137	GOM_NL__2PRFIN20100908_142838_000000452092_00425_44567_3239.N1	08-SEP-2010 14:28:38	Dark	44.500	177	1Zet CMA	3.0220	26000.	89	44567	No
138	GOM_NL__2PRFIN20100908_143150_000000462092_00425_44567_3240.N1	08-SEP-2010 14:31:50	Dark	46.000	108	Alp Col	2.6520	15200.	92	44567	No
139	GOM_NL__2PRFIN20100908_144335_000000422092_00426_44568_3259.N1	08-SEP-2010 14:43:35	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44568	No
140	GOM_NL__2PRFIN20100908_144457_000000442092_00426_44568_3260.N1	08-SEP-2010 14:44:57	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44568	No
141	GOM_NL__2PRFIN20100908_145049_000000432092_00426_44568_3261.N1	08-SEP-2010 14:50:49	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	44568	No
142	GOM_NL__2PRFIN20100908_145627_000000492092_00426_44568_3262.N1	08-SEP-2010 14:56:27	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	44568	No
143	GOM_NL__2PRFIN20100908_151037_000000492092_00426_44568_3263.N1	08-SEP-2010 15:10:37	Bright	48.500	90	54Alp Peg	2.4870	11000.	97	44568	No
144	GOM_NL__2PRFIN20100908_151450_000000402092_00426_44568_3264.N1	08-SEP-2010 15:14:50	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	44568	No
145	GOM_NL__2PRFIN20100908_152512_000000432092_00426_44568_3265.N1	08-SEP-2010 15:25:12	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44568	No
146	GOM_NL__2PRFIN20100908_152711_000000442092_00426_44568_3266.N1	08-SEP-2010 15:27:11	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44568	No
147	GOM_NL__2PRFIN20100908_154343_000000522092_00426_44568_3267.N1	08-SEP-2010 15:43:43	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	44568	No
148	GOM_NL__2PRFIN20100908_154818_000000412092_00426_44568_3268.N1	08-SEP-2010 15:48:18	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44568	No
149	GOM_NL__2PRFIN20100908_155110_000000542092_00426_44568_3269.N1	08-SEP-2010 15:51:10	Twilight	53.500	170	27Eps Gem	3.0000	9700.0	107	44568	No
150	GOM_NL__2PRFIN20100908_155431_000000532092_00426_44568_3270.N1	08-SEP-2010 15:54:31	Twilight	52.500	44	24Gam Gem	1.9280	11000.	105	44568	No
151	GOM_NL__2PRFIN20100908_155623_000000562092_00426_44568_3271.N1	08-SEP-2010 15:56:23	Twilight	55.500	8	10Alp CMI	0.40000	6500.0	111	44568	No
152	GOM_NL__2PRFIN20100908_160440_000000612092_00426_44568_3272.N1	08-SEP-2010 16:04:40	Dark	60.500	1	9Alp CMA	-1.4400	11000.	121	44568	No
153	GOM_NL__2PRFIN20100908_160712_000000472092_00426_44568_3273.N1	08-SEP-2010 16:07:12	Dark	47.000	23	21Eps CMA	1.5020	26000.	94	44568	No
154	GOM_NL__2PRFIN20100908_160915_000000452092_00426_44568_3274.N1	08-SEP-2010 16:09:15	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	44568	No
155	GOM_NL__2PRFIN20100908_161227_000000482092_00426_44568_3275.N1	08-SEP-2010 16:12:27	Dark	47.500	108	Alp Col	2.6520	15200.	95	44568	No
156	GOM_NL__2PRFIN20100908_162413_000000372092_00427_44569_3274.N1	08-SEP-2010 16:24:13	Dark	36.500	143	Alp Hyi	2.8570	7200.0	73	44569	No
157	GOM_NL__2PRFIN20100908_162533_000000442092_00427_44569_3275.N1	08-SEP-2010 16:25:33	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44569	No
158	GOM_NL__2PRFIN20100908_163126_000000502092_00427_44569_3276.N1	08-SEP-2010 16:31:26	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	44569	No
159	GOM_NL__2PRFIN20100908_163703_000000472092_00427_44569_3277.N1	08-SEP-2010 16:37:03	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	44569	No
160	GOM_NL__2PRFIN20100908_165113_000000462092_00427_44569_3278.N1	08-SEP-2010 16:51:13	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	44569	No

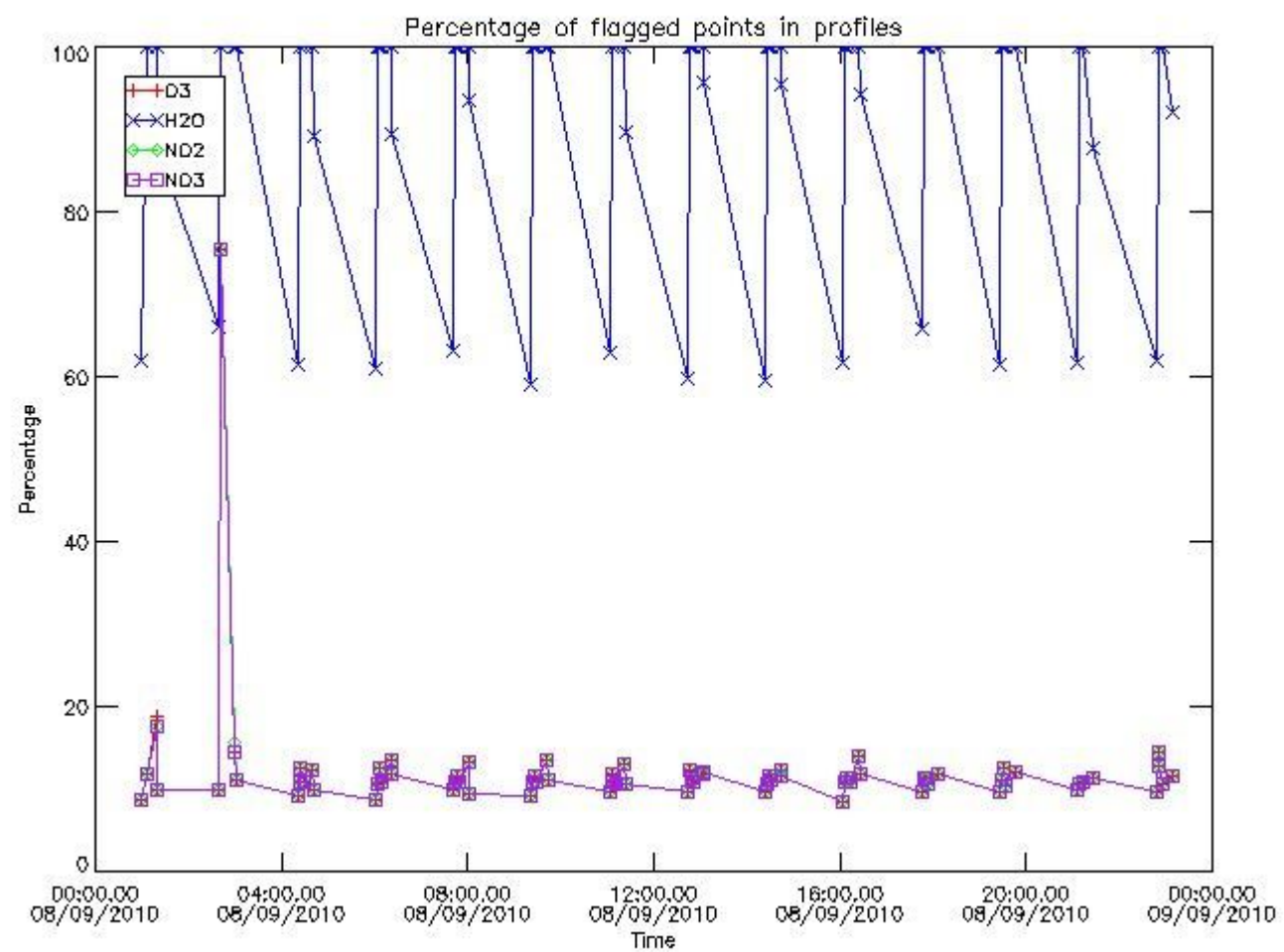
161	GOM_NL__2PRFIN20100908_165526_000000432092_00427_44569_3279.N1	08-SEP-2010 16:55:26	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	44569	No
162	GOM_NL__2PRFIN20100908_170548_000000452092_00427_44569_3280.N1	08-SEP-2010 17:05:48	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44569	No
163	GOM_NL__2PRFIN20100908_170747_000000452092_00427_44569_3281.N1	08-SEP-2010 17:07:47	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44569	No
164	GOM_NL__2PRFIN20100908_172418_000000532092_00427_44569_3282.N1	08-SEP-2010 17:24:18	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	44569	No
165	GOM_NL__2PRFIN20100908_172854_000000582092_00427_44569_3283.N1	08-SEP-2010 17:28:54	Bright	58.000	24	66Alp Gem	1.5800	10200.	116	44569	No
166	GOM_NL__2PRFIN20100908_173147_000000532092_00427_44569_3284.N1	08-SEP-2010 17:31:47	Twilight	53.000	170	27Eps Gem	3.0000	9700.0	106	44569	No
167	GOM_NL__2PRFIN20100908_173507_000000572092_00427_44569_3285.N1	08-SEP-2010 17:35:07	Twilight	56.500	44	24Gam Gem	1.9280	11000.	113	44569	No
168	GOM_NL__2PRFIN20100908_173700_000000482092_00427_44569_3286.N1	08-SEP-2010 17:37:00	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	44569	No
169	GOM_NL__2PRFIN20100908_174517_000000532092_00427_44569_3287.N1	08-SEP-2010 17:45:17	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	44569	No
170	GOM_NL__2PRFIN20100908_174749_000000452092_00427_44569_3288.N1	08-SEP-2010 17:47:49	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	44569	No
171	GOM_NL__2PRFIN20100908_174952_000000452092_00427_44569_3289.N1	08-SEP-2010 17:49:52	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44569	No
172	GOM_NL__2PRFIN20100908_175304_000000482092_00427_44569_3290.N1	08-SEP-2010 17:53:04	Dark	48.000	108	Alp Col	2.6520	15200.	96	44569	No
173	GOM_NL__2PRFIN20100908_180610_000000442092_00428_44570_3319.N1	08-SEP-2010 18:06:10	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44570	No
174	GOM_NL__2PRFIN20100908_181202_000000462092_00428_44570_3320.N1	08-SEP-2010 18:12:02	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44570	No
175	GOM_NL__2PRFIN20100908_181740_000000492092_00428_44570_3321.N1	08-SEP-2010 18:17:40	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	44570	No
176	GOM_NL__2PRFIN20100908_183148_000000452092_00428_44570_3322.N1	08-SEP-2010 18:31:48	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	44570	No
177	GOM_NL__2PRFIN20100908_183602_000000412092_00428_44570_3323.N1	08-SEP-2010 18:36:02	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44570	No
178	GOM_NL__2PRFIN20100908_184623_000000442092_00428_44570_3324.N1	08-SEP-2010 18:46:23	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	44570	No
179	GOM_NL__2PRFIN20100908_184822_000000452092_00428_44570_3325.N1	08-SEP-2010 18:48:22	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44570	No
180	GOM_NL__2PRFIN20100908_190454_000000512092_00428_44570_3326.N1	08-SEP-2010 19:04:54	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	44570	No
181	GOM_NL__2PRFIN20100908_190930_000000412092_00428_44570_3327.N1	08-SEP-2010 19:09:30	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	44570	No
182	GOM_NL__2PRFIN20100908_191223_000000532092_00428_44570_3328.N1	08-SEP-2010 19:12:23	Twilight	52.500	170	27Eps Gem	3.0000	9700.0	105	44570	No
183	GOM_NL__2PRFIN20100908_191544_000000572092_00428_44570_3329.N1	08-SEP-2010 19:15:44	Twilight	57.000	44	24Gam Gem	1.9280	11000.	114	44570	No
184	GOM_NL__2PRFIN20100908_191736_000000472092_00428_44570_3330.N1	08-SEP-2010 19:17:36	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	44570	No
185	GOM_NL__2PRFIN20100908_192554_000000542092_00428_44570_3331.N1	08-SEP-2010 19:25:54	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	44570	No
186	GOM_NL__2PRFIN20100908_192826_000000462092_00428_44570_3332.N1	08-SEP-2010 19:28:26	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	44570	No
187	GOM_NL__2PRFIN20100908_193029_000000452092_00428_44570_3333.N1	08-SEP-2010 19:30:29	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44570	No
188	GOM_NL__2PRFIN20100908_193341_000000492092_00428_44570_3334.N1	08-SEP-2010 19:33:41	Dark	49.000	108	Alp Col	2.6520	15200.	98	44570	No
189	GOM_NL__2PRFIN20100908_194646_000000422092_00429_44571_3376.N1	08-SEP-2010 19:46:46	Dark	42.000	9	Alp Eri	0.45300	24000.	84	44571	No
190	GOM_NL__2PRFIN20100908_195239_000000502092_00429_44571_3377.N1	08-SEP-2010 19:52:39	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44571	No
191	GOM_NL__2PRFIN20100908_195816_000000452092_00429_44571_3378.N1	08-SEP-2010 19:58:16	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	44571	No
192	GOM_NL__2PRFIN20100908_201224_000000442092_00429_44571_3379.N1	08-SEP-2010 20:12:24	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	44571	No
193	GOM_NL__2PRFIN20100908_201637_000000422092_00429_44571_3380.N1	08-SEP-2010 20:16:37	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	44571	No
194	GOM_NL__2PRFIN20100908_202658_000000442092_00429_44571_3381.N1	08-SEP-2010 20:26:58	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	44571	No
195	GOM_NL__2PRFIN20100908_202858_000000442092_00429_44571_3382.N1	08-SEP-2010 20:28:58	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44571	No
196	GOM_NL__2PRFIN20100908_204530_000000512092_00429_44571_3383.N1	08-SEP-2010 20:45:30	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	44571	No
197	GOM_NL__2PRFIN20100908_205006_000000402092_00429_44571_3384.N1	08-SEP-2010 20:50:06	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44571	No
198	GOM_NL__2PRFIN20100908_205259_000000562092_00429_44571_3385.N1	08-SEP-2010 20:52:59	Twilight	56.000	170	27Eps Gem	3.0000	9700.0	112	44571	No
199	GOM_NL__2PRFIN20100908_205620_000000552092_00429_44571_3386.N1	08-SEP-2010 20:56:20	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	44571	No
200	GOM_NL__2PRFIN20100908_205812_000000502092_00429_44571_3387.N1	08-SEP-2010 20:58:12	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	44571	No
201	GOM_NL__2PRFIN20100908_210630_000000522092_00429_44571_3388.N1	08-SEP-2010 21:06:30	Dark	51.500	1	9Alp CMa	-1.4400	11000.	103	44571	No
202	GOM_NL__2PRFIN20100908_210902_000000482092_00429_44571_3389.N1	08-SEP-2010 21:09:02	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	44571	No
203	GOM_NL__2PRFIN20100908_211418_000000472092_00429_44571_3390.N1	08-SEP-2010 21:14:18	Dark	47.000	108	Alp Col	2.6520	15200.	94	44571	No
204	GOM_NL__2PRFIN20100908_212722_000000452092_00430_44572_3406.N1	08-SEP-2010 21:27:22	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44572	No
205	GOM_NL__2PRFIN20100908_213315_000000452092_00430_44572_3407.N1	08-SEP-2010 21:33:15	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44572	No
206	GOM_NL__2PRFIN20100908_213852_000000452092_00430_44572_3408.N1	08-SEP-2010 21:38:52	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44572	No
207	GOM_NL__2PRFIN20100908_215259_000000452092_00430_44572_3409.N1	08-SEP-2010 21:52:59	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	44572	No
208	GOM_NL__2PRFIN20100908_215713_000000392092_00430_44572_3410.N1	08-SEP-2010 21:57:13	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	44572	No
209	GOM_NL__2PRFIN20100908_220734_000000452092_00430_44572_3411.N1	08-SEP-2010 22:07:34	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44572	No
210	GOM_NL__2PRFIN20100908_220932_000000452092_00430_44572_3412.N1	08-SEP-2010 22:09:32	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44572	No
211	GOM_NL__2PRFIN20100908_222606_000000542092_00430_44572_3413.N1	08-SEP-2010 22:26:06	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	44572	No
212	GOM_NL__2PRFIN20100908_223042_000000412092_00430_44572_3414.N1	08-SEP-2010 22:30:42	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44572	No
213	GOM_NL__2PRFIN20100908_223335_000000542092_00430_44572_3415.N1	08-SEP-2010 22:33:35	Twilight	54.000	170	27Eps Gem	3.0000	9700.0	108	44572	No
214	GOM_NL__2PRFIN20100908_223657_000000482092_00430_44572_3416.N1	08-SEP-2010 22:36:57	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	44572	No
215	GOM_NL__2PRFIN20100908_223848_000000552092_00430_44572_3417.N1	08-SEP-2010 22:38:48	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	44572	No
216	GOM_NL__2PRFIN20100908_224707_000000532092_00430_44572_3418.N1	08-SEP-2010 22:47:07	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	44572	No
217	GOM_NL__2PRFIN20100908_224939_000000432092_00430_44572_3419.N1	08-SEP-2010 22:49:39	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	44572	No
218	GOM_NL__2PRFIN20100908_225142_000000442092_00430_44572_3420.N1	08-SEP-2010 22:51:42	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	44572	No
219	GOM_NL__2PRFIN20100908_225455_000000482092_00430_44572_3421.N1	08-SEP-2010 22:54:55	Dark	48.000	108	Alp Col	2.6520	15200.	96	44572	No

220	GOM_NL__2PRFIN20100908_230759_000000452092_00431_44573_3421.N1	08-SEP-2010 23:07:59	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44573	No
221	GOM_NL__2PRFIN20100908_231351_000000452092_00431_44573_3422.N1	08-SEP-2010 23:13:51	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44573	No
222	GOM_NL__2PRFIN20100908_231928_000000472092_00431_44573_3423.N1	08-SEP-2010 23:19:28	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	44573	No
223	GOM_NL__2PRFIN20100908_233335_000000442092_00431_44573_3424.N1	08-SEP-2010 23:33:35	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44573	No
224	GOM_NL__2PRFIN20100908_233749_000000392092_00431_44573_3425.N1	08-SEP-2010 23:37:49	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	44573	No
225	GOM_NL__2PRFIN20100908_234809_000000432092_00431_44573_3426.N1	08-SEP-2010 23:48:09	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44573	No
226	GOM_NL__2PRFIN20100908_235008_000000452092_00431_44573_3427.N1	08-SEP-2010 23:50:08	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44573	No

### 3. Quality information per product

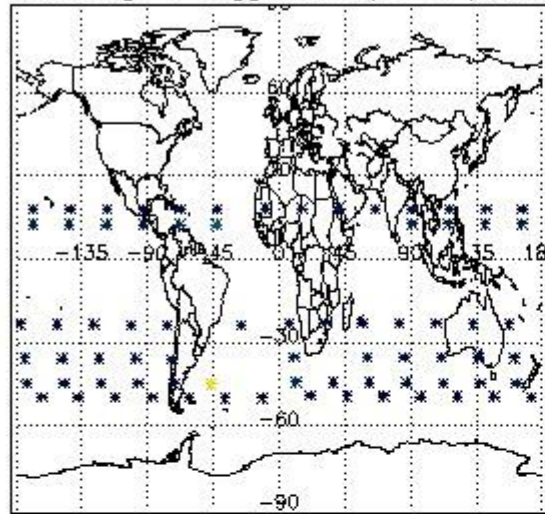
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

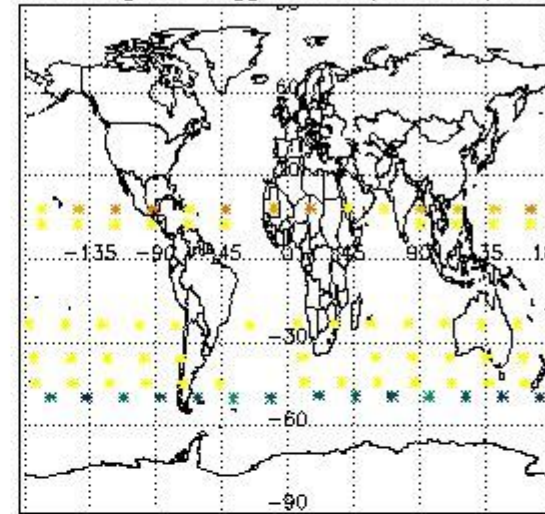


#### 3.2 Plot quality information per product (world map)

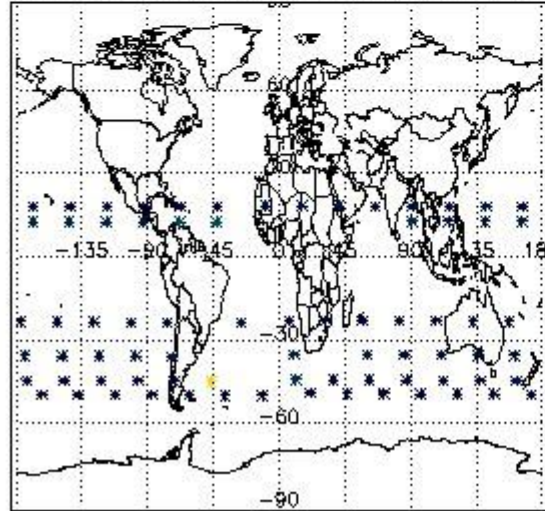
Percentage of flagged data per O3 profile



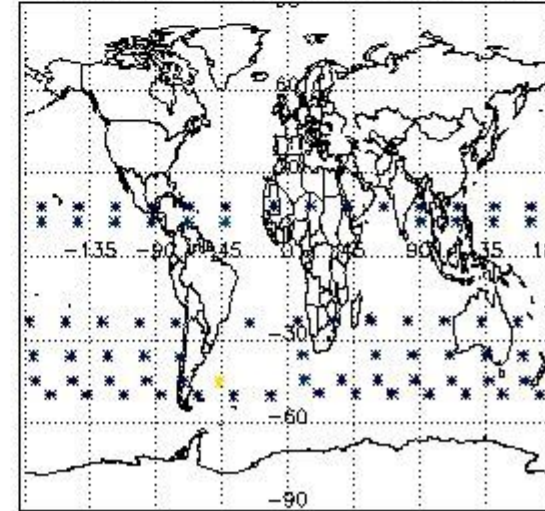
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

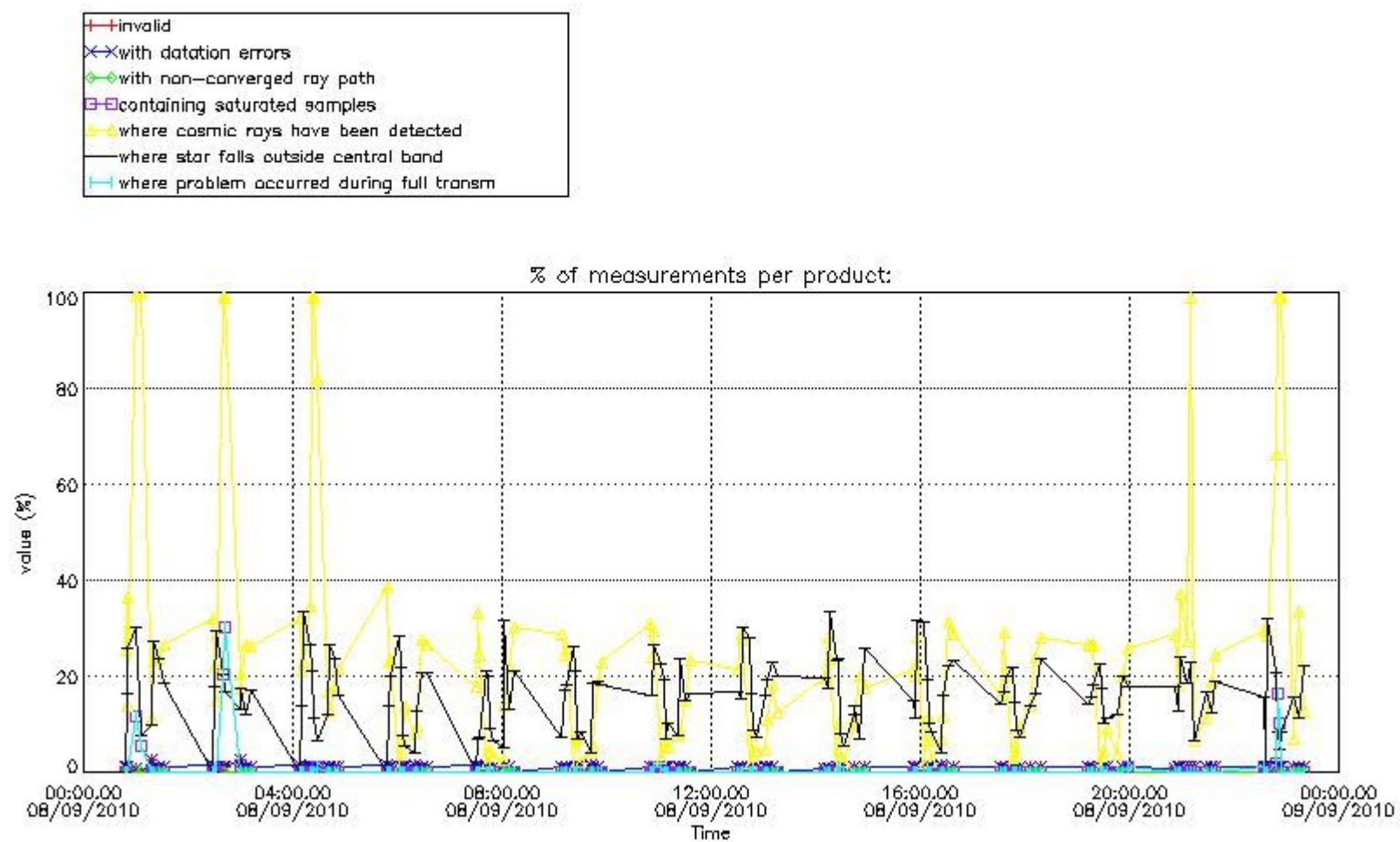


#### 4. Level 1 quality information per product

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

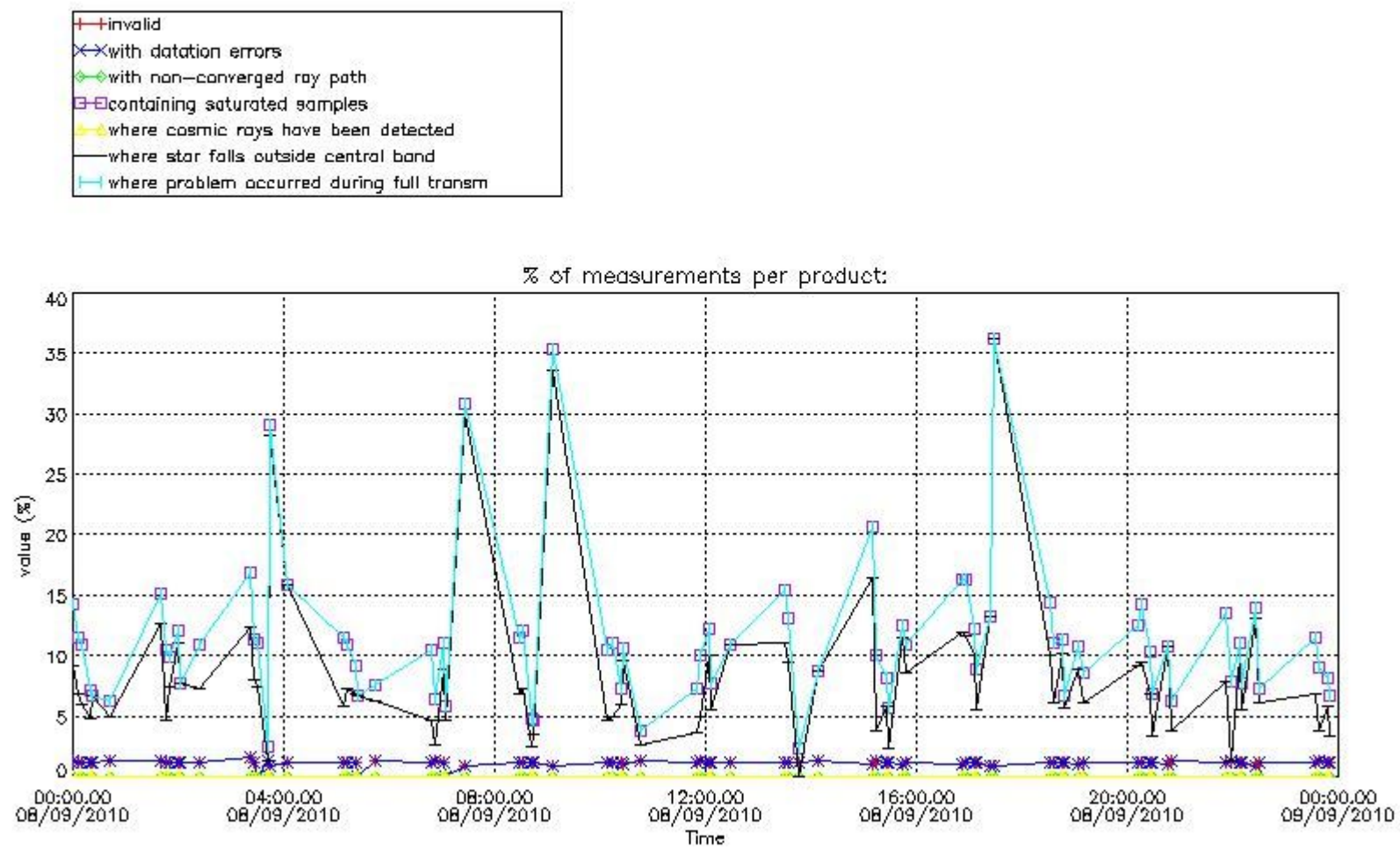
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



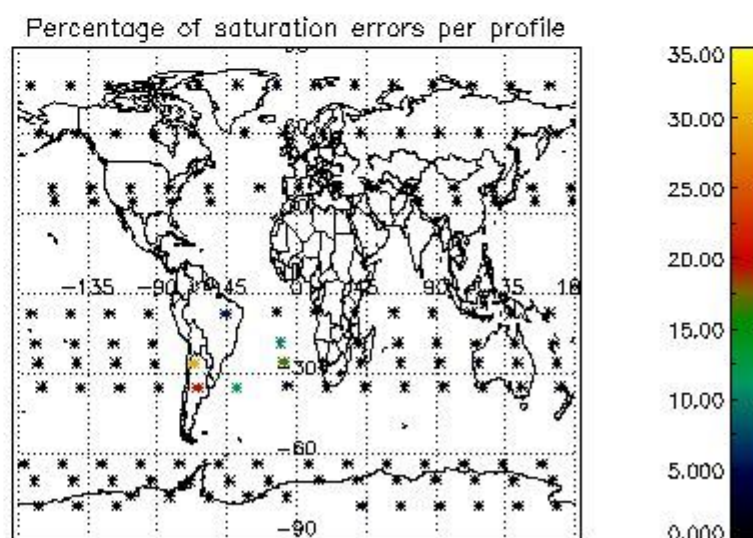
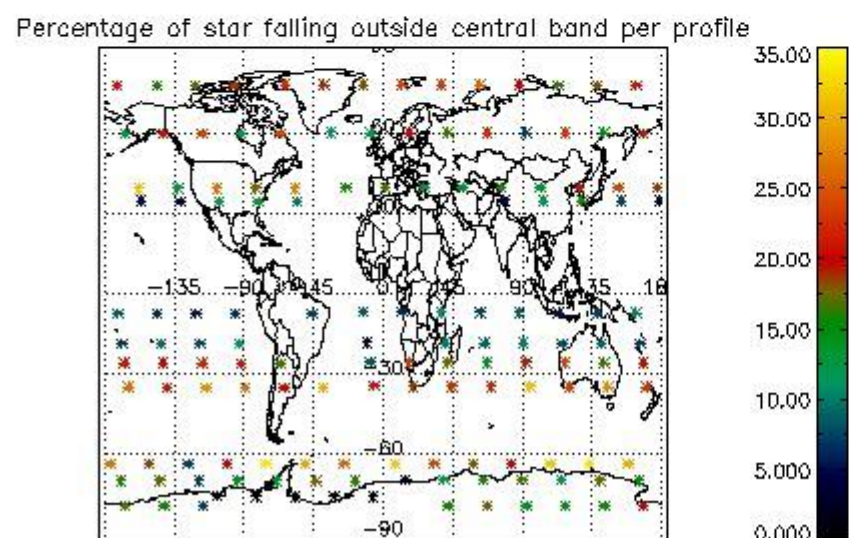
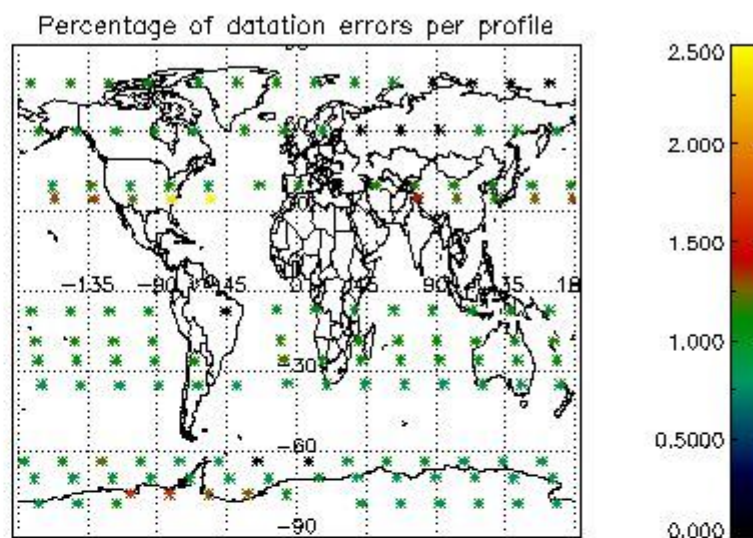
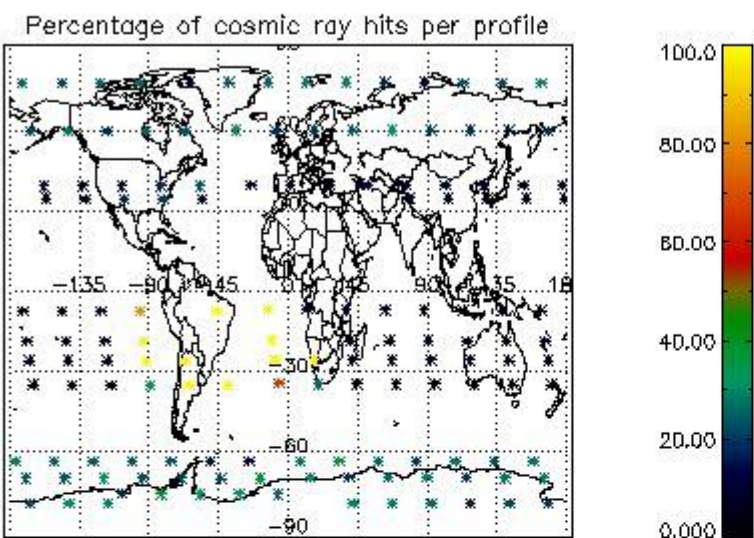
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



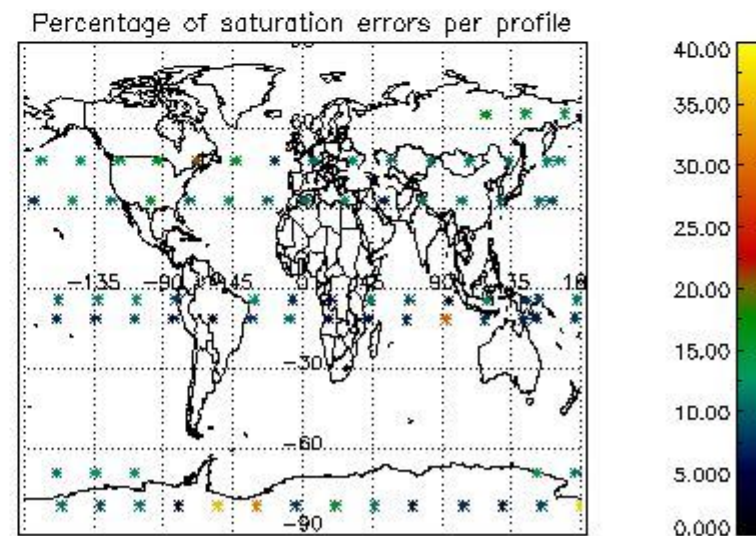
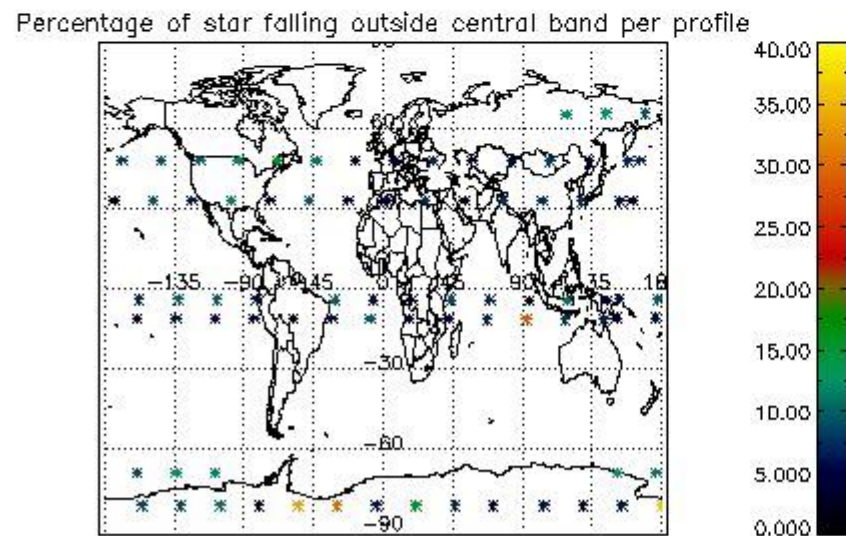
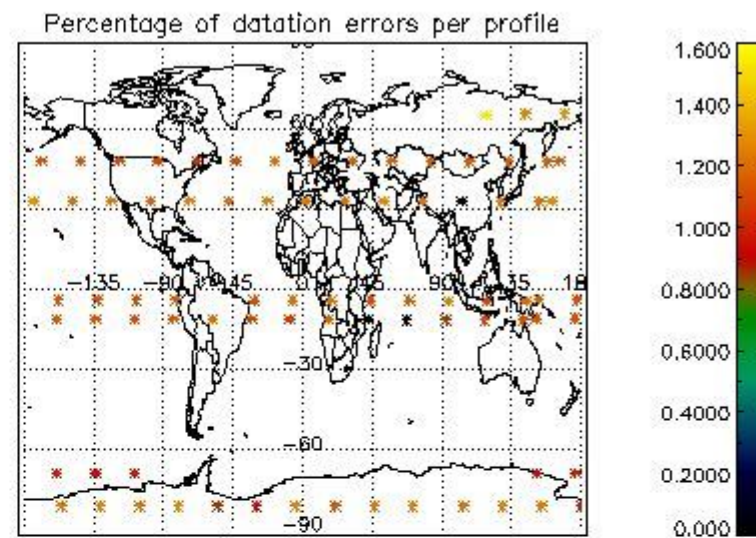
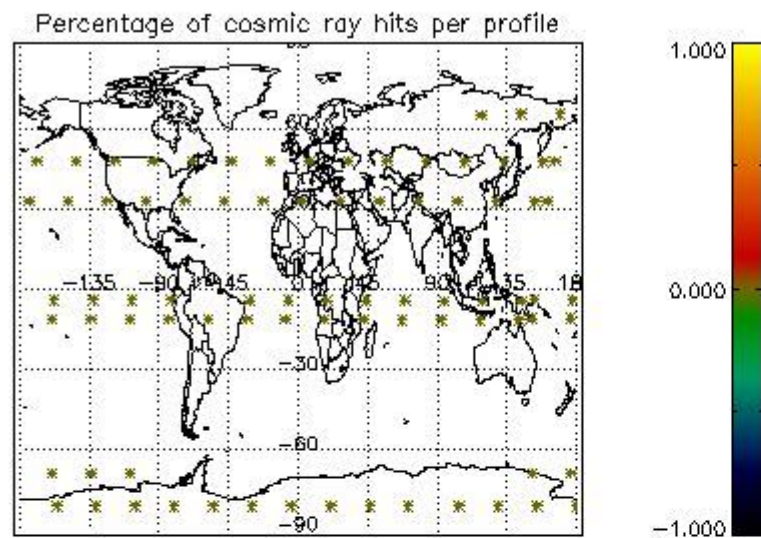


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

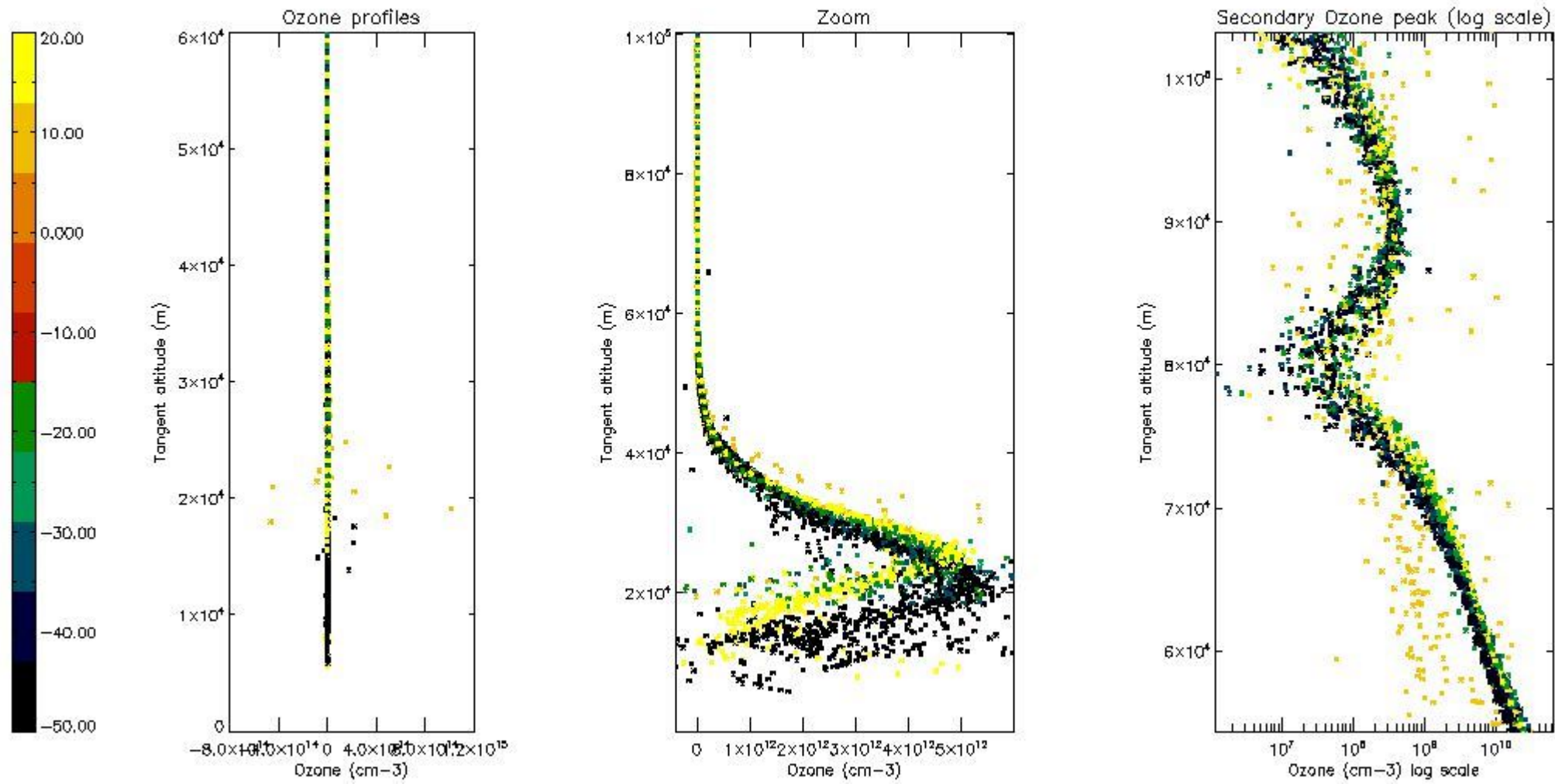
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	21

STD < 10	18
STD < 5	14

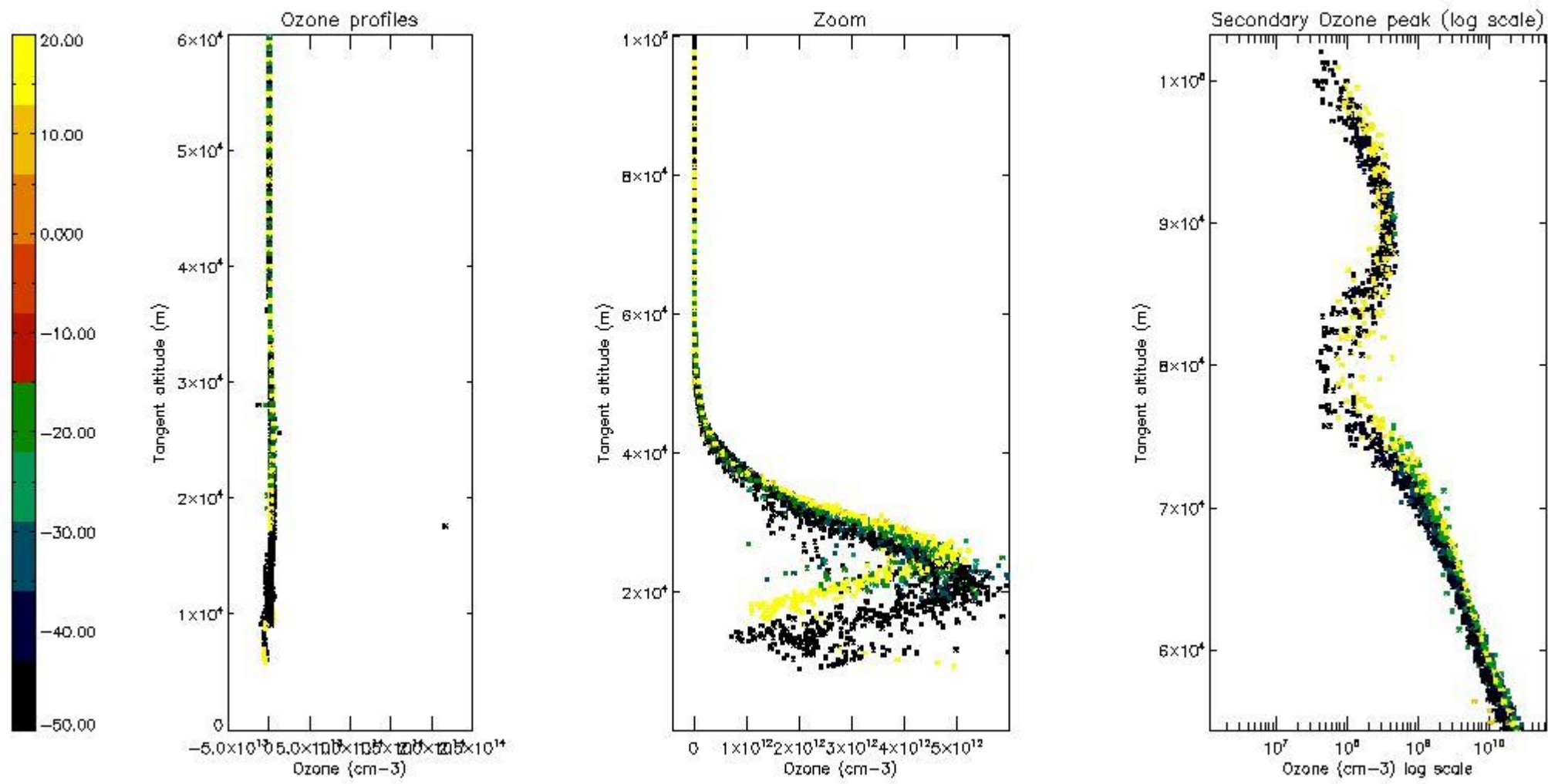
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



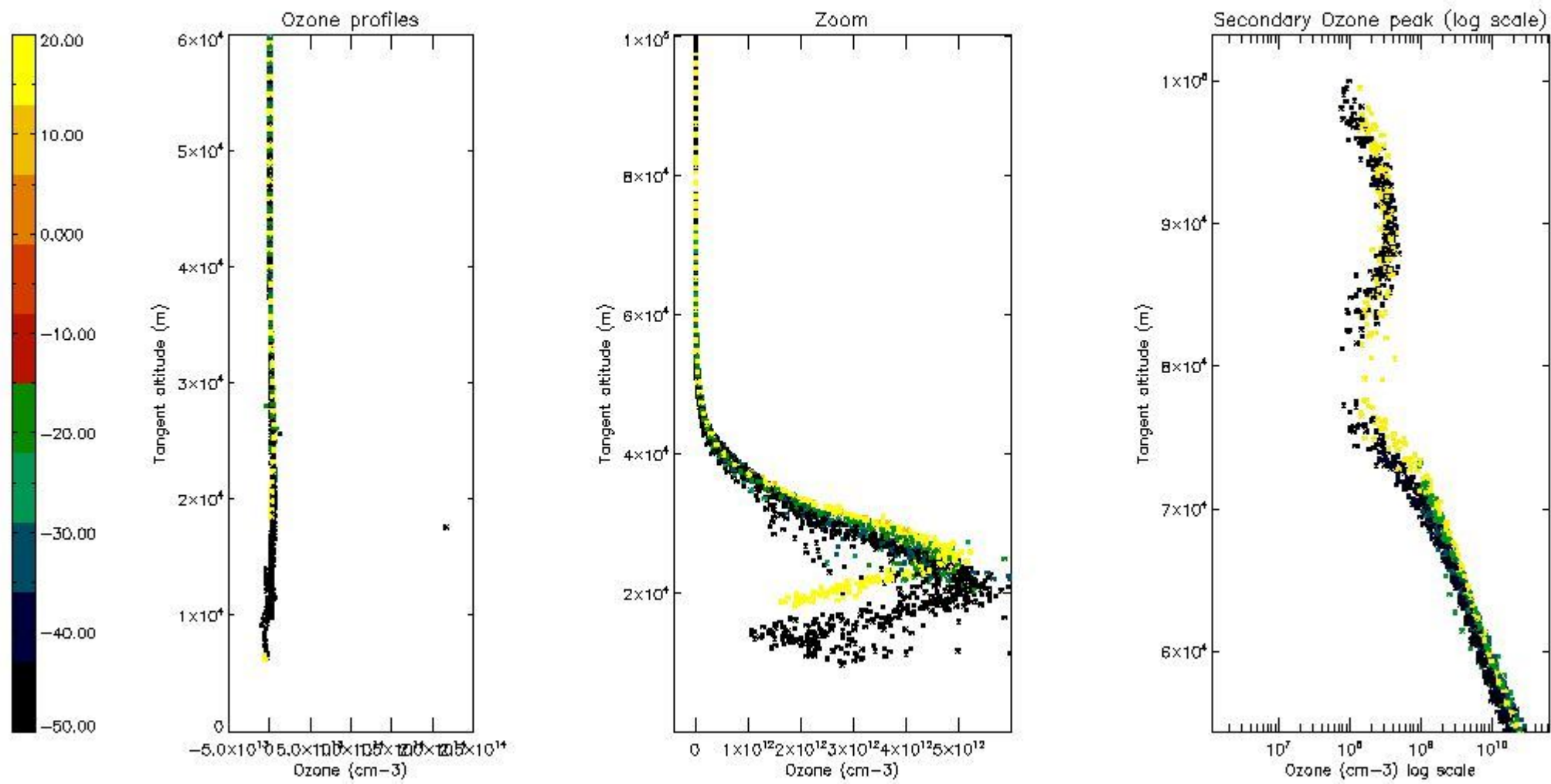
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



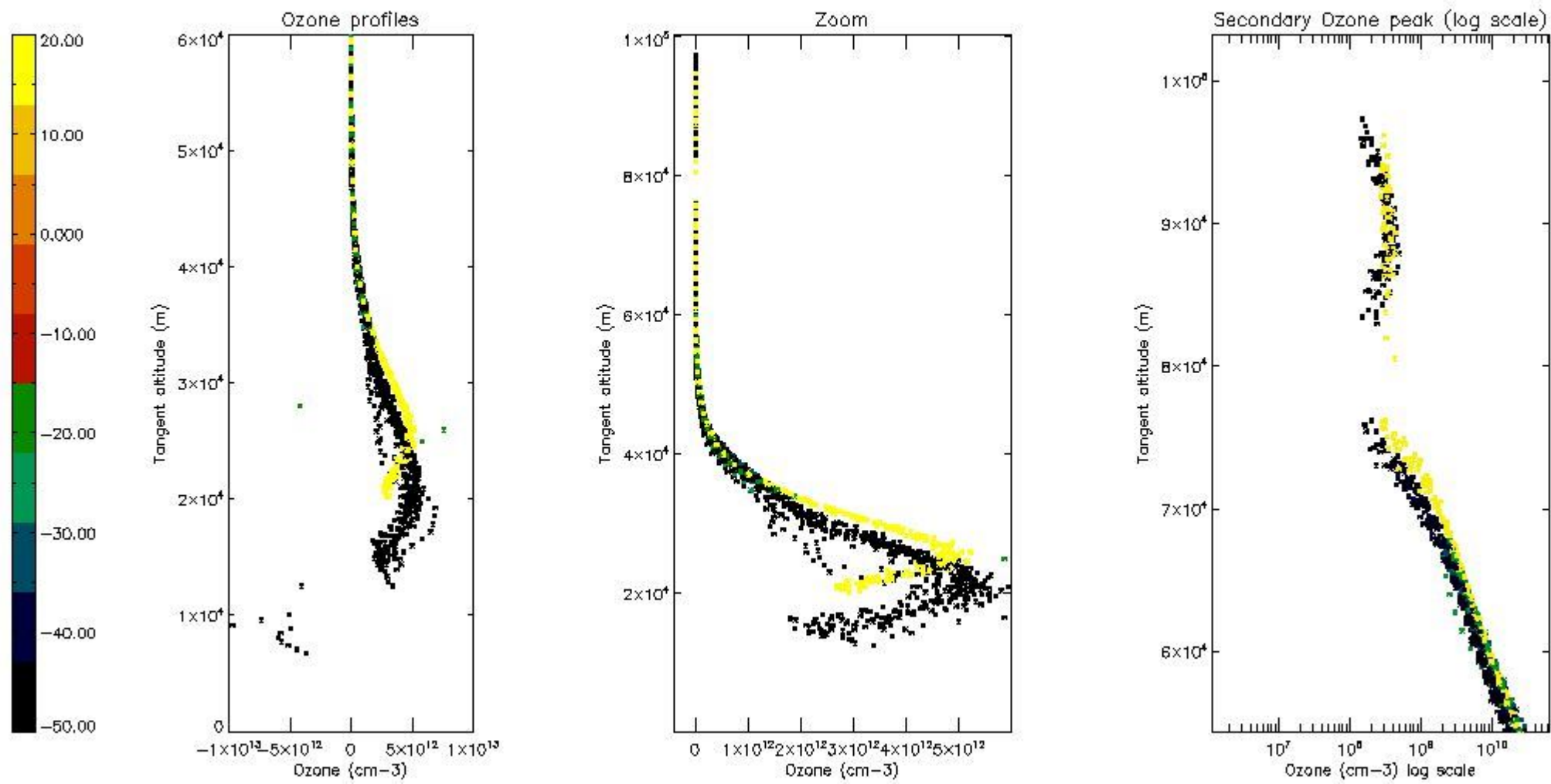
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



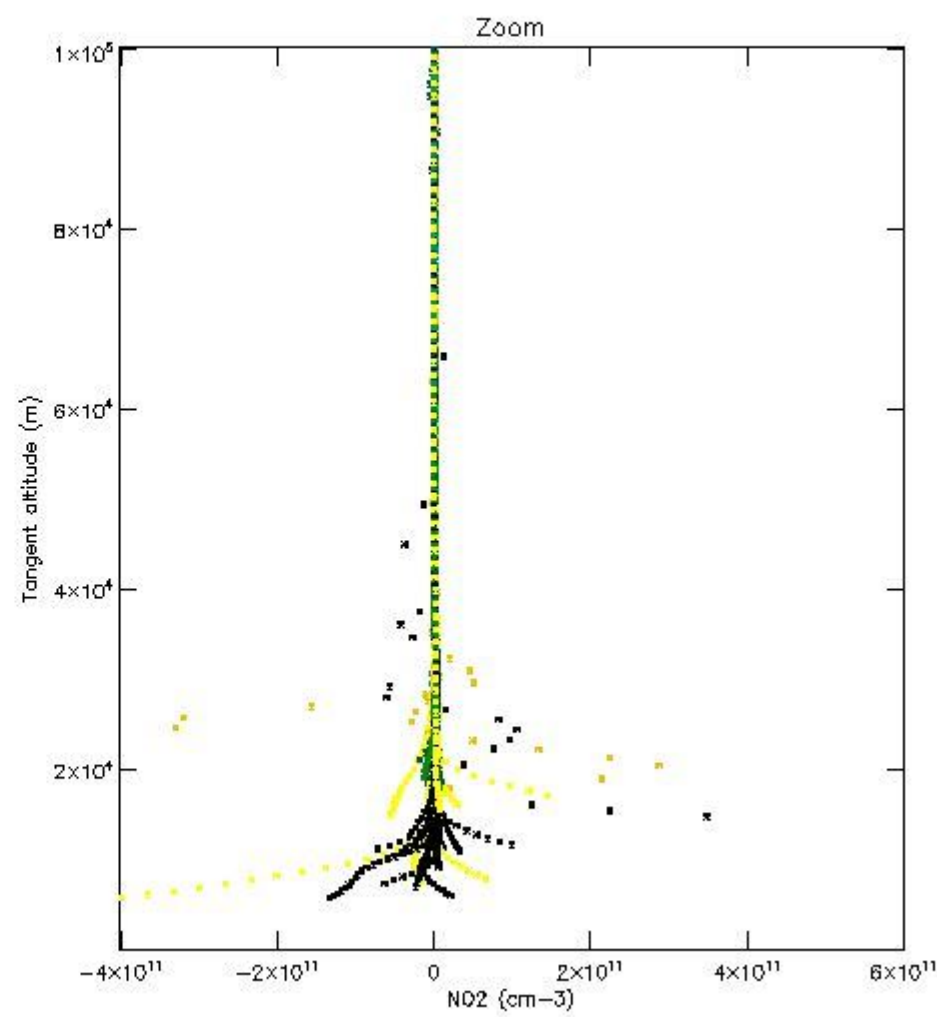
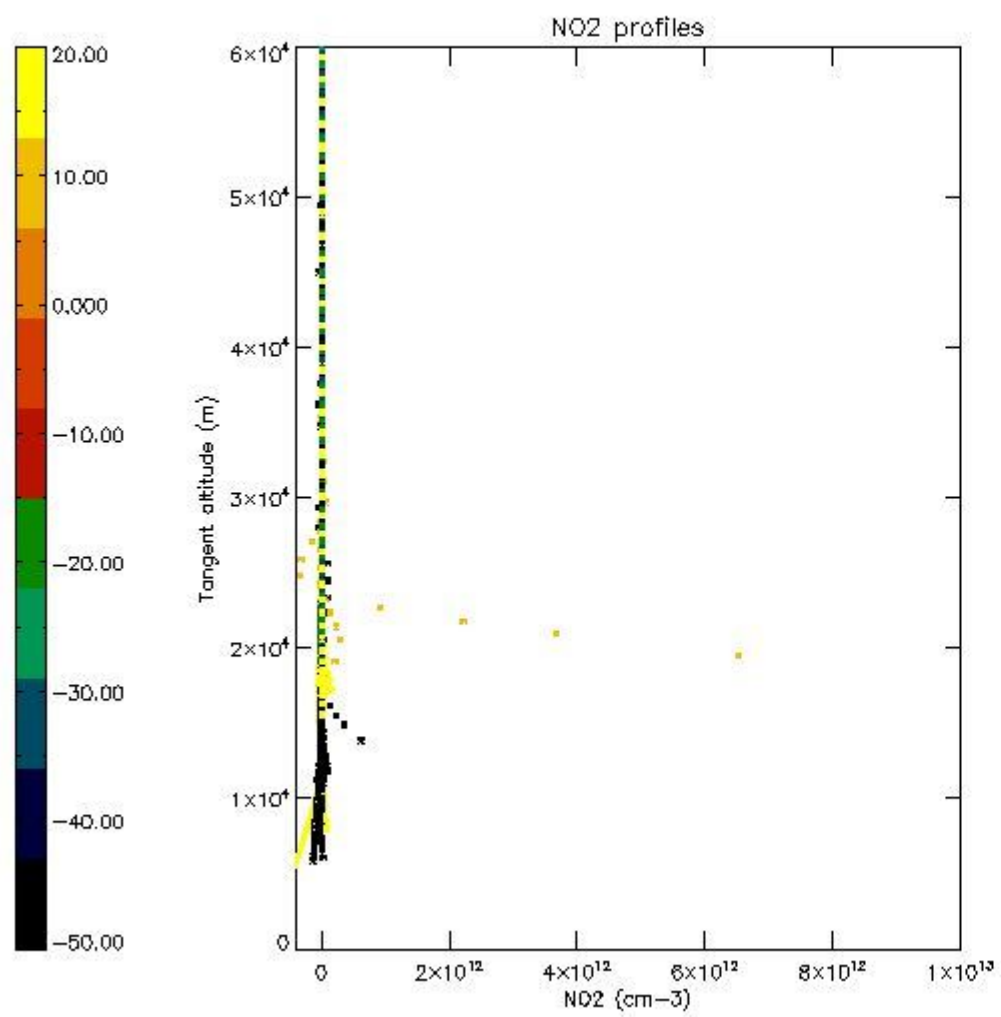
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



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

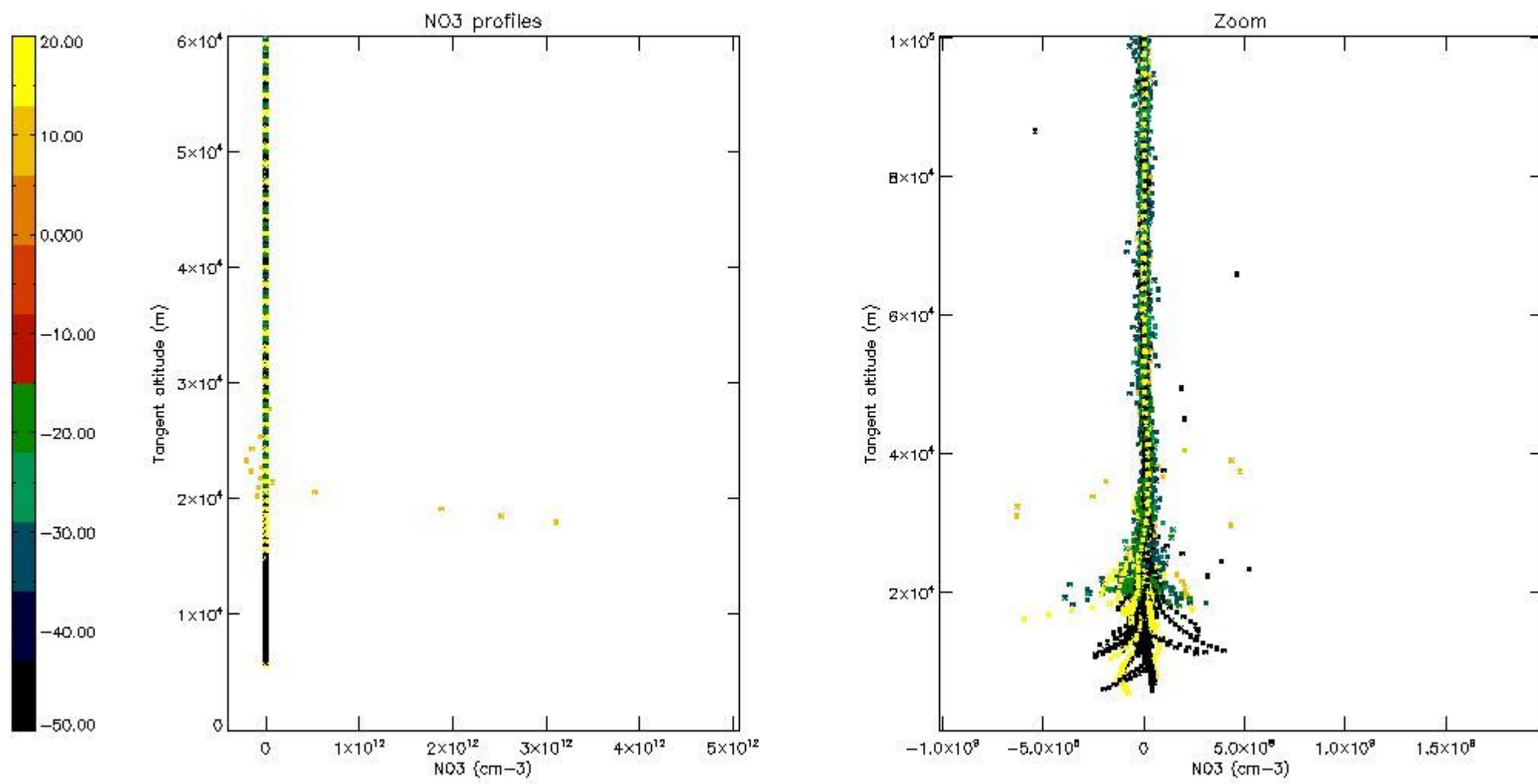
The colorbar represents the latitude.



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

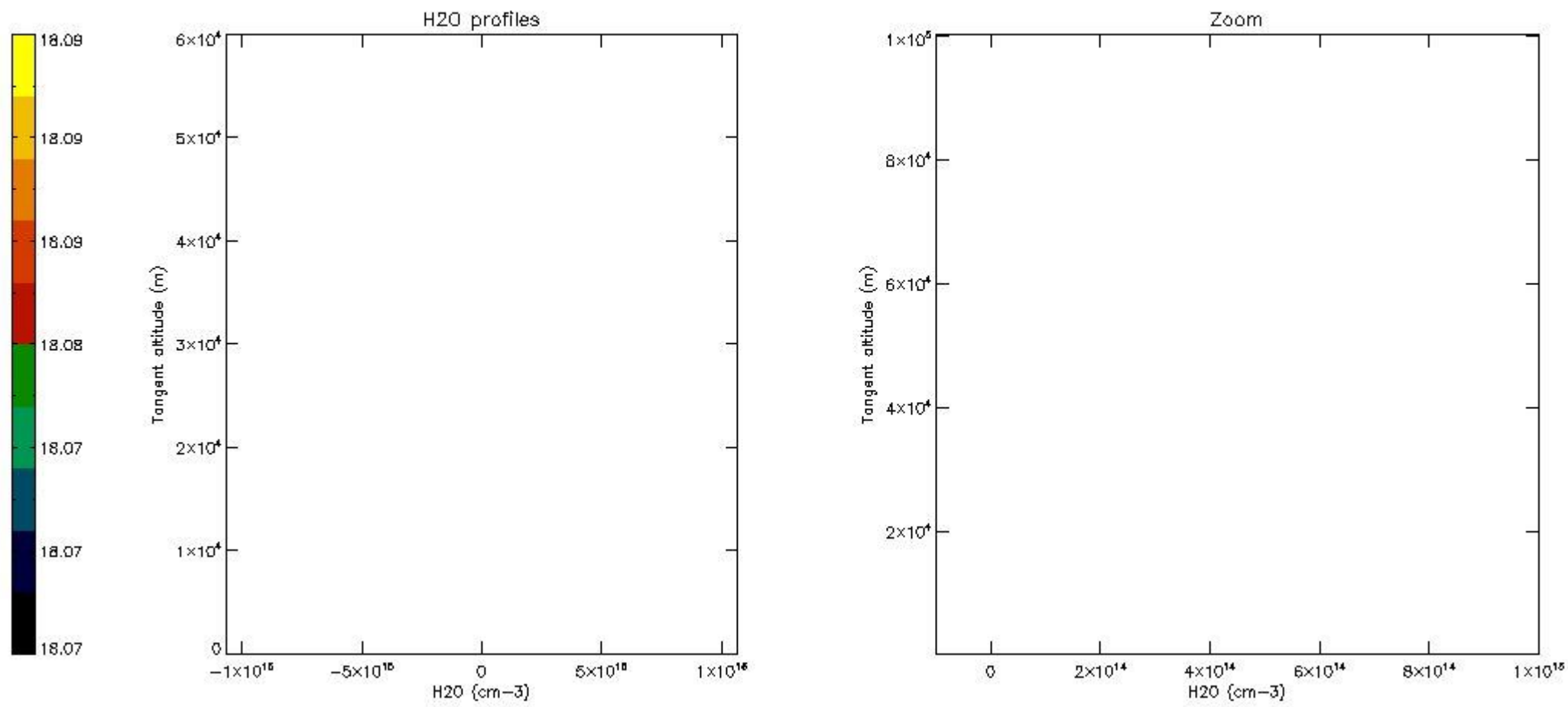
The colorbar represents the latitude.





*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	08-SEP-2010 00:00:04
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-SEP-2010 00:00:04
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-SEP-2010 00:00:04

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	29APR2013 15:07:14
Data source version	GOMOS/6.01
Start time of products	08-09-2010 (08SEP2010 00:00:00)
Stop time of products	09-09-2010 (09SEP2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	226
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__2PRFIN20100908_000004_000000392092_00417_44559_3037.N1	08-SEP-2010 00:00:04	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	44559	No
2	GOM_NL__2PRFIN20100908_000517_000000442092_00417_44559_3038.N1	08-SEP-2010 00:05:17	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44559	No
3	GOM_NL__2PRFIN20100908_000930_000000422092_00417_44559_3039.N1	08-SEP-2010 00:09:30	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	44559	No
4	GOM_NL__2PRFIN20100908_001954_000000422092_00417_44559_3040.N1	08-SEP-2010 00:19:54	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44559	No
5	GOM_NL__2PRFIN20100908_002154_000000452092_00417_44559_3041.N1	08-SEP-2010 00:21:54	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44559	No
6	GOM_NL__2PRFIN20100908_004253_000000402092_00417_44559_3042.N1	08-SEP-2010 00:42:53	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44559	No
7	GOM_NL__2PRFIN20100908_004710_000000472092_00417_44559_3043.N1	08-SEP-2010 00:47:10	Twilight	47.000	151	13Mu Gem	2.8900	3000.0	94	44559	No
8	GOM_NL__2PRFIN20100908_004903_000000552092_00417_44559_3044.N1	08-SEP-2010 00:49:03	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	44559	No
9	GOM_NL__2PRFIN20100908_005056_000000512092_00417_44559_3045.N1	08-SEP-2010 00:50:56	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	44559	No
10	GOM_NL__2PRFIN20100908_005909_000000602092_00417_44559_3046.N1	08-SEP-2010 00:59:09	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	44559	No
11	GOM_NL__2PRFIN20100908_010654_000000472092_00417_44559_3047.N1	08-SEP-2010 01:06:54	Dark	46.500	108	Alp Col	2.6520	15200.	93	44559	No
12	GOM_NL__2PRFIN20100908_011843_000000412092_00418_44560_3037.N1	08-SEP-2010 01:18:43	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44560	No
13	GOM_NL__2PRFIN20100908_012005_000000522092_00418_44560_3038.N1	08-SEP-2010 01:20:05	Dark	51.500	9	Alp Eri	0.45300	24000.	103	44560	No
14	GOM_NL__2PRFIN20100908_012558_000000532092_00418_44560_3039.N1	08-SEP-2010 01:25:58	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	44560	No
15	GOM_NL__2PRFIN20100908_013138_000000462092_00418_44560_3040.N1	08-SEP-2010 01:31:38	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	44560	No
16	GOM_NL__2PRFIN20100908_014040_000000402092_00418_44560_3041.N1	08-SEP-2010 01:40:40	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	44560	No
17	GOM_NL__2PRFIN20100908_014552_000000432092_00418_44560_3042.N1	08-SEP-2010 01:45:52	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	44560	No
18	GOM_NL__2PRFIN20100908_015006_000000412092_00418_44560_3043.N1	08-SEP-2010 01:50:06	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44560	No
19	GOM_NL__2PRFIN20100908_020029_000000462092_00418_44560_3044.N1	08-SEP-2010 02:00:29	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	44560	No
20	GOM_NL__2PRFIN20100908_020229_000000462092_00418_44560_3045.N1	08-SEP-2010 02:02:29	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44560	No
21	GOM_NL__2PRFIN20100908_022329_000000412092_00418_44560_3046.N1	08-SEP-2010 02:23:29	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44560	No
22	GOM_NL__2PRFIN20100908_022746_000000392092_00418_44560_3047.N1	08-SEP-2010 02:27:46	Twilight	39.000	151	13Mu Gem	2.8900	3000.0	78	44560	No
23	GOM_NL__2PRFIN20100908_022939_000000572092_00418_44560_3048.N1	08-SEP-2010 02:29:39	Twilight	56.500	44	24Gam Gem	1.9280	11000.	113	44560	No
24	GOM_NL__2PRFIN20100908_023133_000000542092_00418_44560_3049.N1	08-SEP-2010 02:31:33	Twilight	54.000	8	10Alp CMi	0.40000	6500.0	108	44560	No
25	GOM_NL__2PRFIN20100908_023946_000000522092_00418_44560_3050.N1	08-SEP-2010 02:39:46	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	44560	No
26	GOM_NL__2PRFIN20100908_024220_000000452092_00418_44560_3051.N1	08-SEP-2010 02:42:20	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	44560	No
27	GOM_NL__2PRFIN20100908_025919_000000422092_00419_44561_3068.N1	08-SEP-2010 02:59:19	Dark	42.000	143	Alp Hyi	2.8570	7200.0	84	44561	No
28	GOM_NL__2PRFIN20100908_030041_000000462092_00419_44561_3069.N1	08-SEP-2010 03:00:41	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44561	No
29	GOM_NL__2PRFIN20100908_030634_000000462092_00419_44561_3070.N1	08-SEP-2010 03:06:34	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44561	No
30	GOM_NL__2PRFIN20100908_031214_000000442092_00419_44561_3071.N1	08-SEP-2010 03:12:14	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	44561	No
31	GOM_NL__2PRFIN20100908_032122_000000332092_00419_44561_3072.N1	08-SEP-2010 03:21:22	Bright	32.500	162	34Alp Aqr	2.9440	5350.0	65	44561	No
32	GOM_NL__2PRFIN20100908_032628_000000442092_00419_44561_3073.N1	08-SEP-2010 03:26:28	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	44561	No
33	GOM_NL__2PRFIN20100908_033041_000000412092_00419_44561_3074.N1	08-SEP-2010 03:30:41	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44561	No
34	GOM_NL__2PRFIN20100908_034105_000000402092_00419_44561_3075.N1	08-SEP-2010 03:41:05	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44561	No
35	GOM_NL__2PRFIN20100908_034305_000000592092_00419_44561_3076.N1	08-SEP-2010 03:43:05	Bright	58.500	76	27Gam Cas	2.3000	30000.	117	44561	No
36	GOM_NL__2PRFIN20100908_040405_000000442092_00419_44561_3077.N1	08-SEP-2010 04:04:05	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	44561	No
37	GOM_NL__2PRFIN20100908_040822_000000392092_00419_44561_3078.N1	08-SEP-2010 04:08:22	Twilight	39.000	151	13Mu Gem	2.8900	3000.0	78	44561	No
38	GOM_NL__2PRFIN20100908_041016_000000552092_00419_44561_3079.N1	08-SEP-2010 04:10:16	Twilight	54.500	44	24Gam Gem	1.9280	11000.	109	44561	No
39	GOM_NL__2PRFIN20100908_041209_000000572092_00419_44561_3080.N1	08-SEP-2010 04:12:09	Twilight	56.500	8	10Alp CMi	0.40000	6500.0	113	44561	No
40	GOM_NL__2PRFIN20100908_042023_000000552092_00419_44561_3081.N1	08-SEP-2010 04:20:23	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	44561	No
41	GOM_NL__2PRFIN20100908_042256_000000482092_00419_44561_3082.N1	08-SEP-2010 04:22:56	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44561	No
42	GOM_NL__2PRFIN20100908_042458_000000452092_00419_44561_3083.N1	08-SEP-2010 04:24:58	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44561	No

43	GOM_NL__2PRFIN20100908_042808_000000472092_00419_44561_3084.N1	08-SEP-2010 04:28:08	Dark	46.500	108	Alp Col	2.6520	15200.	93	44561	No
44	GOM_NL__2PRFIN20100908_043956_000000422092_00420_44562_3079.N1	08-SEP-2010 04:39:56	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44562	No
45	GOM_NL__2PRFIN20100908_044118_000000512092_00420_44562_3080.N1	08-SEP-2010 04:41:18	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44562	No
46	GOM_NL__2PRFIN20100908_044711_000000512092_00420_44562_3081.N1	08-SEP-2010 04:47:11	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	44562	No
47	GOM_NL__2PRFIN20100908_045250_000000442092_00420_44562_3082.N1	08-SEP-2010 04:52:50	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	44562	No
48	GOM_NL__2PRFIN20100908_050703_000000442092_00420_44562_3083.N1	08-SEP-2010 05:07:03	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44562	No
49	GOM_NL__2PRFIN20100908_051117_000000412092_00420_44562_3084.N1	08-SEP-2010 05:11:17	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	44562	No
50	GOM_NL__2PRFIN20100908_052140_000000442092_00420_44562_3085.N1	08-SEP-2010 05:21:40	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	44562	No
51	GOM_NL__2PRFIN20100908_052340_000000452092_00420_44562_3086.N1	08-SEP-2010 05:23:40	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44562	No
52	GOM_NL__2PRFIN20100908_054441_000000402092_00420_44562_3087.N1	08-SEP-2010 05:44:41	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44562	No
53	GOM_NL__2PRFIN20100908_054859_000000312092_00420_44562_3088.N1	08-SEP-2010 05:48:59	Twilight	31.000	151	13Mu Gem	2.8900	3000.0	62	44562	No
54	GOM_NL__2PRFIN20100908_055052_000000552092_00420_44562_3089.N1	08-SEP-2010 05:50:52	Twilight	54.500	44	24Gam Gem	1.9280	11000.	109	44562	No
55	GOM_NL__2PRFIN20100908_055245_000000482092_00420_44562_3090.N1	08-SEP-2010 05:52:45	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	44562	No
56	GOM_NL__2PRFIN20100908_060100_000000582092_00420_44562_3091.N1	08-SEP-2010 06:01:00	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	44562	No
57	GOM_NL__2PRFIN20100908_060333_000000482092_00420_44562_3092.N1	08-SEP-2010 06:03:33	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	44562	No
58	GOM_NL__2PRFIN20100908_060534_000000452092_00420_44562_3093.N1	08-SEP-2010 06:05:34	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44562	No
59	GOM_NL__2PRFIN20100908_060845_000000472092_00420_44562_3094.N1	08-SEP-2010 06:08:45	Dark	46.500	108	Alp Col	2.6520	15200.	93	44562	No
60	GOM_NL__2PRFIN20100908_062033_000000382092_00421_44563_3091.N1	08-SEP-2010 06:20:33	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	44563	No
61	GOM_NL__2PRFIN20100908_062154_000000432092_00421_44563_3092.N1	08-SEP-2010 06:21:54	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44563	No
62	GOM_NL__2PRFIN20100908_062747_000000512092_00421_44563_3093.N1	08-SEP-2010 06:27:47	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	44563	No
63	GOM_NL__2PRFIN20100908_063327_000000462092_00421_44563_3094.N1	08-SEP-2010 06:33:27	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	44563	No
64	GOM_NL__2PRFIN20100908_064739_000000432092_00421_44563_3095.N1	08-SEP-2010 06:47:39	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	44563	No
65	GOM_NL__2PRFIN20100908_065153_000000392092_00421_44563_3096.N1	08-SEP-2010 06:51:53	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	44563	No
66	GOM_NL__2PRFIN20100908_070215_000000452092_00421_44563_3097.N1	08-SEP-2010 07:02:15	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44563	No
67	GOM_NL__2PRFIN20100908_070415_000000442092_00421_44563_3098.N1	08-SEP-2010 07:04:15	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44563	No
68	GOM_NL__2PRFIN20100908_072518_000000542092_00421_44563_3099.N1	08-SEP-2010 07:25:18	Bright	53.500	24	66Alp Gem	1.5800	10200.	107	44563	No
69	GOM_NL__2PRFIN20100908_072935_000000312092_00421_44563_3100.N1	08-SEP-2010 07:29:35	Twilight	31.000	151	13Mu Gem	2.8900	3000.0	62	44563	No
70	GOM_NL__2PRFIN20100908_073129_000000502092_00421_44563_3101.N1	08-SEP-2010 07:31:29	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	44563	No
71	GOM_NL__2PRFIN20100908_073322_000000412092_00421_44563_3102.N1	08-SEP-2010 07:33:22	Twilight	41.000	8	10Alp CMi	0.40000	6500.0	82	44563	No
72	GOM_NL__2PRFIN20100908_074136_000000522092_00421_44563_3103.N1	08-SEP-2010 07:41:36	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	44563	No
73	GOM_NL__2PRFIN20100908_074410_000000482092_00421_44563_3104.N1	08-SEP-2010 07:44:10	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44563	No
74	GOM_NL__2PRFIN20100908_074611_000000452092_00421_44563_3105.N1	08-SEP-2010 07:46:11	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	44563	No
75	GOM_NL__2PRFIN20100908_074922_000000472092_00421_44563_3106.N1	08-SEP-2010 07:49:22	Dark	47.000	108	Alp Col	2.6520	15200.	94	44563	No
76	GOM_NL__2PRFIN20100908_080109_000000392092_00422_44564_3101.N1	08-SEP-2010 08:01:09	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	44564	No
77	GOM_NL__2PRFIN20100908_080231_000000542092_00422_44564_3102.N1	08-SEP-2010 08:02:31	Dark	54.000	9	Alp Eri	0.45300	24000.	108	44564	No
78	GOM_NL__2PRFIN20100908_080824_000000462092_00422_44564_3103.N1	08-SEP-2010 08:08:24	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44564	No
79	GOM_NL__2PRFIN20100908_081403_000000452092_00422_44564_3104.N1	08-SEP-2010 08:14:03	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44564	No
80	GOM_NL__2PRFIN20100908_082814_000000442092_00422_44564_3105.N1	08-SEP-2010 08:28:14	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44564	No
81	GOM_NL__2PRFIN20100908_083228_000000422092_00422_44564_3106.N1	08-SEP-2010 08:32:28	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	44564	No
82	GOM_NL__2PRFIN20100908_084251_000000422092_00422_44564_3107.N1	08-SEP-2010 08:42:51	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44564	No
83	GOM_NL__2PRFIN20100908_084450_000000432092_00422_44564_3108.N1	08-SEP-2010 08:44:50	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44564	No
84	GOM_NL__2PRFIN20100908_090554_000000582092_00422_44564_3109.N1	08-SEP-2010 09:05:54	Bright	58.000	24	66Alp Gem	1.5800	10200.	116	44564	No
85	GOM_NL__2PRFIN20100908_090846_000000492092_00422_44564_3110.N1	08-SEP-2010 09:08:46	Twilight	48.500	170	27Eps Gem	3.0000	9700.0	97	44564	No
86	GOM_NL__2PRFIN20100908_091206_000000562092_00422_44564_3111.N1	08-SEP-2010 09:12:06	Twilight	55.500	44	24Gam Gem	1.9280	11000.	111	44564	No
87	GOM_NL__2PRFIN20100908_091358_000000472092_00422_44564_3112.N1	08-SEP-2010 09:13:58	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	44564	No
88	GOM_NL__2PRFIN20100908_092213_000000562092_00422_44564_3113.N1	08-SEP-2010 09:22:13	Dark	55.500	1	9Alp CMa	-1.4400	11000.	111	44564	No
89	GOM_NL__2PRFIN20100908_092446_000000482092_00422_44564_3114.N1	08-SEP-2010 09:24:46	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44564	No
90	GOM_NL__2PRFIN20100908_092648_000000452092_00422_44564_3115.N1	08-SEP-2010 09:26:48	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	44564	No
91	GOM_NL__2PRFIN20100908_092959_000000472092_00422_44564_3116.N1	08-SEP-2010 09:29:59	Dark	47.000	108	Alp Col	2.6520	15200.	94	44564	No
92	GOM_NL__2PRFIN20100908_094146_000000382092_00423_44565_3157.N1	08-SEP-2010 09:41:46	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	44565	No
93	GOM_NL__2PRFIN20100908_094308_000000462092_00423_44565_3158.N1	08-SEP-2010 09:43:08	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44565	No
94	GOM_NL__2PRFIN20100908_094900_000000502092_00423_44565_3159.N1	08-SEP-2010 09:49:00	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44565	No
95	GOM_NL__2PRFIN20100908_095439_000000442092_00423_44565_3160.N1	08-SEP-2010 09:54:39	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	44565	No
96	GOM_NL__2PRFIN20100908_100850_000000432092_00423_44565_3161.N1	08-SEP-2010 10:08:50	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	44565	No
97	GOM_NL__2PRFIN20100908_101304_000000412092_00423_44565_3162.N1	08-SEP-2010 10:13:04	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44565	No
98	GOM_NL__2PRFIN20100908_102326_000000422092_00423_44565_3163.N1	08-SEP-2010 10:23:26	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44565	No
99	GOM_NL__2PRFIN20100908_102525_000000472092_00423_44565_3164.N1	08-SEP-2010 10:25:25	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	44565	No
100	GOM_NL__2PRFIN20100908_104630_000000392092_00423_44565_3165.N1	08-SEP-2010 10:46:30	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	44565	No
101	GOM_NL__2PRFIN20100908_104922_000000542092_00423_44565_3166.N1	08-SEP-2010 10:49:22	Twilight	53.500	170	27Eps Gem	3.0000	9700.0	107	44565	No

102	GOM_NL__2PRFIN20100908_105242_000000562092_00423_44565_3167.N1	08-SEP-2010 10:52:42	Twilight	56.000	44	24Gam Gem	1.9280	11000.	112	44565	No
103	GOM_NL__2PRFIN20100908_105434_000000512092_00423_44565_3168.N1	08-SEP-2010 10:54:34	Twilight	51.000	8	10Alp CMI	0.40000	6500.0	102	44565	No
104	GOM_NL__2PRFIN20100908_110250_000000532092_00423_44565_3169.N1	08-SEP-2010 11:02:50	Dark	53.000	1	9Alp CMA	-1.4400	11000.	106	44565	No
105	GOM_NL__2PRFIN20100908_110523_000000472092_00423_44565_3170.N1	08-SEP-2010 11:05:23	Dark	46.500	23	21Eps CMA	1.5020	26000.	93	44565	No
106	GOM_NL__2PRFIN20100908_110725_000000442092_00423_44565_3171.N1	08-SEP-2010 11:07:25	Dark	43.500	177	1Zet CMA	3.0220	26000.	87	44565	No
107	GOM_NL__2PRFIN20100908_111036_000000492092_00423_44565_3172.N1	08-SEP-2010 11:10:36	Dark	48.500	108	Alp Col	2.6520	15200.	97	44565	No
108	GOM_NL__2PRFIN20100908_112222_000000402092_00424_44566_3189.N1	08-SEP-2010 11:22:22	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	44566	No
109	GOM_NL__2PRFIN20100908_112344_000000492092_00424_44566_3190.N1	08-SEP-2010 11:23:44	Dark	48.500	9	Alp Eri	0.45300	24000.	97	44566	No
110	GOM_NL__2PRFIN20100908_112937_000000472092_00424_44566_3191.N1	08-SEP-2010 11:29:37	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44566	No
111	GOM_NL__2PRFIN20100908_113515_000000432092_00424_44566_3192.N1	08-SEP-2010 11:35:15	Straylight	43.000	18	24Alp PsA	1.1660	9700.0	86	44566	No
112	GOM_NL__2PRFIN20100908_114926_000000422092_00424_44566_3193.N1	08-SEP-2010 11:49:26	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	44566	No
113	GOM_NL__2PRFIN20100908_115339_000000402092_00424_44566_3194.N1	08-SEP-2010 11:53:39	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	44566	No
114	GOM_NL__2PRFIN20100908_120401_000000452092_00424_44566_3195.N1	08-SEP-2010 12:04:01	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44566	No
115	GOM_NL__2PRFIN20100908_120601_000000462092_00424_44566_3196.N1	08-SEP-2010 12:06:01	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44566	No
116	GOM_NL__2PRFIN20100908_122706_000000422092_00424_44566_3197.N1	08-SEP-2010 12:27:06	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	44566	No
117	GOM_NL__2PRFIN20100908_122958_000000542092_00424_44566_3198.N1	08-SEP-2010 12:29:58	Twilight	53.500	170	27Eps Gem	3.0000	9700.0	107	44566	No
118	GOM_NL__2PRFIN20100908_123318_000000562092_00424_44566_3199.N1	08-SEP-2010 12:33:18	Twilight	55.500	44	24Gam Gem	1.9280	11000.	111	44566	No
119	GOM_NL__2PRFIN20100908_123511_000000552092_00424_44566_3200.N1	08-SEP-2010 12:35:11	Twilight	54.500	8	10Alp CMI	0.40000	6500.0	109	44566	No
120	GOM_NL__2PRFIN20100908_124327_000000582092_00424_44566_3201.N1	08-SEP-2010 12:43:27	Dark	57.500	1	9Alp CMA	-1.4400	11000.	115	44566	No
121	GOM_NL__2PRFIN20100908_124559_000000462092_00424_44566_3202.N1	08-SEP-2010 12:45:59	Dark	45.500	23	21Eps CMA	1.5020	26000.	91	44566	No
122	GOM_NL__2PRFIN20100908_124801_000000452092_00424_44566_3203.N1	08-SEP-2010 12:48:01	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	44566	No
123	GOM_NL__2PRFIN20100908_125113_000000472092_00424_44566_3204.N1	08-SEP-2010 12:51:13	Dark	47.000	108	Alp Col	2.6520	15200.	94	44566	No
124	GOM_NL__2PRFIN20100908_130258_000000442092_00425_44567_3226.N1	08-SEP-2010 13:02:58	Dark	43.500	143	Alp Hyi	2.8570	7200.0	87	44567	No
125	GOM_NL__2PRFIN20100908_130420_000000472092_00425_44567_3227.N1	08-SEP-2010 13:04:20	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44567	No
126	GOM_NL__2PRFIN20100908_131013_000000522092_00425_44567_3228.N1	08-SEP-2010 13:10:13	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	44567	No
127	GOM_NL__2PRFIN20100908_131551_000000452092_00425_44567_3229.N1	08-SEP-2010 13:15:51	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44567	No
128	GOM_NL__2PRFIN20100908_133001_000000462092_00425_44567_3230.N1	08-SEP-2010 13:30:01	Bright	45.500	90	54Alp Peg	2.4870	11000.	91	44567	No
129	GOM_NL__2PRFIN20100908_133415_000000422092_00425_44567_3231.N1	08-SEP-2010 13:34:15	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	44567	No
130	GOM_NL__2PRFIN20100908_134636_000000422092_00425_44567_3232.N1	08-SEP-2010 13:46:36	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44567	No
131	GOM_NL__2PRFIN20100908_140742_000000402092_00425_44567_3233.N1	08-SEP-2010 14:07:42	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44567	No
132	GOM_NL__2PRFIN20100908_141034_000000562092_00425_44567_3234.N1	08-SEP-2010 14:10:34	Twilight	56.000	170	27Eps Gem	3.0000	9700.0	112	44567	No
133	GOM_NL__2PRFIN20100908_141354_000000582092_00425_44567_3235.N1	08-SEP-2010 14:13:54	Twilight	57.500	44	24Gam Gem	1.9280	11000.	115	44567	No
134	GOM_NL__2PRFIN20100908_141547_000000572092_00425_44567_3236.N1	08-SEP-2010 14:15:47	Twilight	57.000	8	10Alp CMI	0.40000	6500.0	114	44567	No
135	GOM_NL__2PRFIN20100908_142403_000000542092_00425_44567_3237.N1	08-SEP-2010 14:24:03	Dark	53.500	1	9Alp CMA	-1.4400	11000.	107	44567	No
136	GOM_NL__2PRFIN20100908_142636_000000492092_00425_44567_3238.N1	08-SEP-2010 14:26:36	Dark	48.500	23	21Eps CMA	1.5020	26000.	97	44567	No
137	GOM_NL__2PRFIN20100908_142838_000000452092_00425_44567_3239.N1	08-SEP-2010 14:28:38	Dark	44.500	177	1Zet CMA	3.0220	26000.	89	44567	No
138	GOM_NL__2PRFIN20100908_143150_000000462092_00425_44567_3240.N1	08-SEP-2010 14:31:50	Dark	46.000	108	Alp Col	2.6520	15200.	92	44567	No
139	GOM_NL__2PRFIN20100908_144335_000000422092_00426_44568_3259.N1	08-SEP-2010 14:43:35	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44568	No
140	GOM_NL__2PRFIN20100908_144457_000000442092_00426_44568_3260.N1	08-SEP-2010 14:44:57	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44568	No
141	GOM_NL__2PRFIN20100908_145049_000000432092_00426_44568_3261.N1	08-SEP-2010 14:50:49	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	44568	No
142	GOM_NL__2PRFIN20100908_145627_000000492092_00426_44568_3262.N1	08-SEP-2010 14:56:27	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	44568	No
143	GOM_NL__2PRFIN20100908_151037_000000492092_00426_44568_3263.N1	08-SEP-2010 15:10:37	Bright	48.500	90	54Alp Peg	2.4870	11000.	97	44568	No
144	GOM_NL__2PRFIN20100908_151450_000000402092_00426_44568_3264.N1	08-SEP-2010 15:14:50	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	44568	No
145	GOM_NL__2PRFIN20100908_152512_000000432092_00426_44568_3265.N1	08-SEP-2010 15:25:12	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44568	No
146	GOM_NL__2PRFIN20100908_152711_000000442092_00426_44568_3266.N1	08-SEP-2010 15:27:11	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44568	No
147	GOM_NL__2PRFIN20100908_154343_000000522092_00426_44568_3267.N1	08-SEP-2010 15:43:43	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	44568	No
148	GOM_NL__2PRFIN20100908_154818_000000412092_00426_44568_3268.N1	08-SEP-2010 15:48:18	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44568	No
149	GOM_NL__2PRFIN20100908_155110_000000542092_00426_44568_3269.N1	08-SEP-2010 15:51:10	Twilight	53.500	170	27Eps Gem	3.0000	9700.0	107	44568	No
150	GOM_NL__2PRFIN20100908_155431_000000532092_00426_44568_3270.N1	08-SEP-2010 15:54:31	Twilight	52.500	44	24Gam Gem	1.9280	11000.	105	44568	No
151	GOM_NL__2PRFIN20100908_155623_000000562092_00426_44568_3271.N1	08-SEP-2010 15:56:23	Twilight	55.500	8	10Alp CMI	0.40000	6500.0	111	44568	No
152	GOM_NL__2PRFIN20100908_160440_000000612092_00426_44568_3272.N1	08-SEP-2010 16:04:40	Dark	60.500	1	9Alp CMA	-1.4400	11000.	121	44568	No
153	GOM_NL__2PRFIN20100908_160712_000000472092_00426_44568_3273.N1	08-SEP-2010 16:07:12	Dark	47.000	23	21Eps CMA	1.5020	26000.	94	44568	No
154	GOM_NL__2PRFIN20100908_160915_000000452092_00426_44568_3274.N1	08-SEP-2010 16:09:15	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	44568	No
155	GOM_NL__2PRFIN20100908_161227_000000482092_00426_44568_3275.N1	08-SEP-2010 16:12:27	Dark	47.500	108	Alp Col	2.6520	15200.	95	44568	No
156	GOM_NL__2PRFIN20100908_162413_000000372092_00427_44569_3274.N1	08-SEP-2010 16:24:13	Dark	36.500	143	Alp Hyi	2.8570	7200.0	73	44569	No
157	GOM_NL__2PRFIN20100908_162533_000000442092_00427_44569_3275.N1	08-SEP-2010 16:25:33	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44569	No
158	GOM_NL__2PRFIN20100908_163126_000000502092_00427_44569_3276.N1	08-SEP-2010 16:31:26	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	44569	No
159	GOM_NL__2PRFIN20100908_163703_000000472092_00427_44569_3277.N1	08-SEP-2010 16:37:03	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	44569	No
160	GOM_NL__2PRFIN20100908_165113_000000462092_00427_44569_3278.N1	08-SEP-2010 16:51:13	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	44569	No

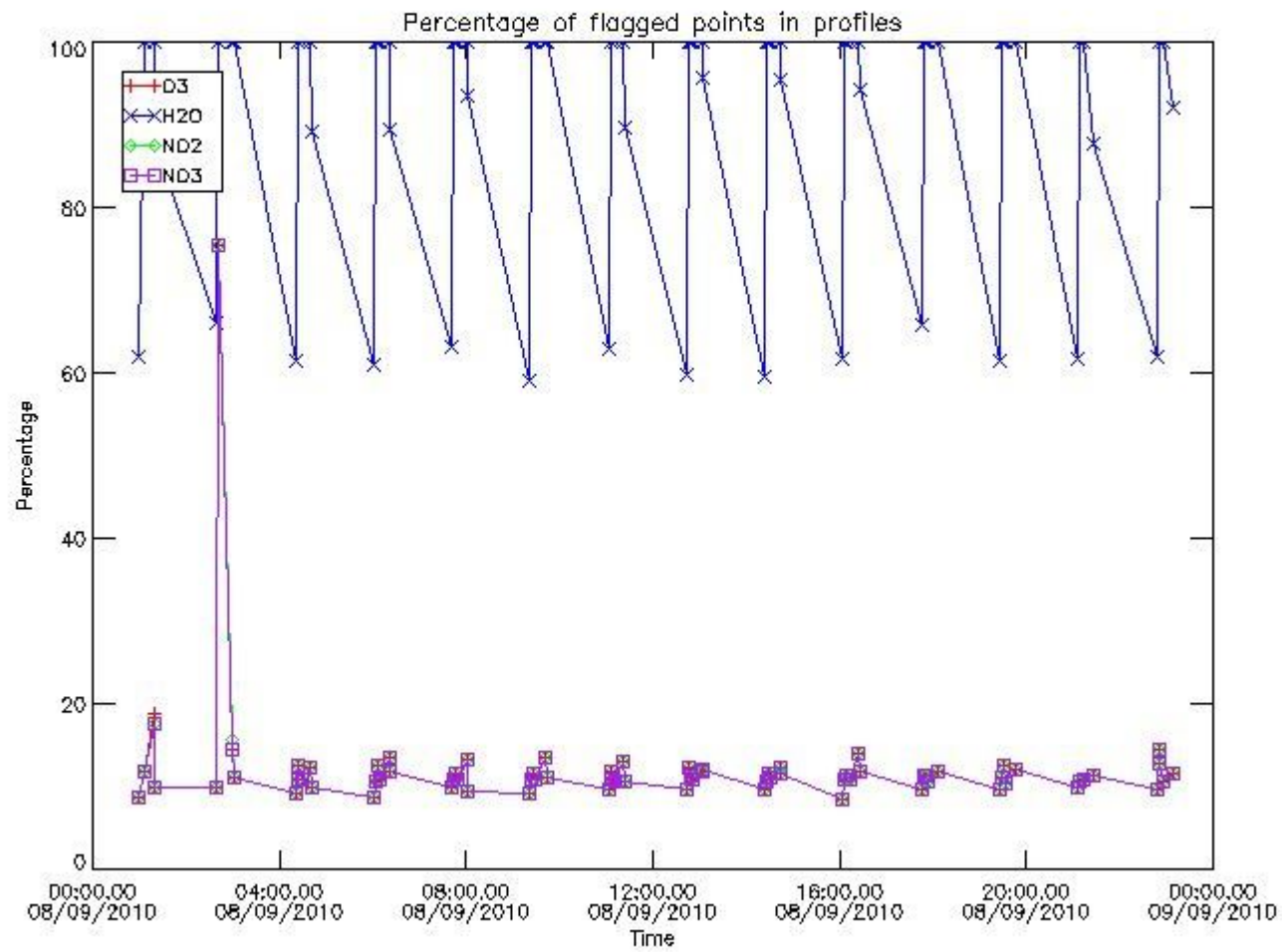
161	GOM_NL__2PRFIN20100908_165526_000000432092_00427_44569_3279.N1	08-SEP-2010 16:55:26	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	44569	No
162	GOM_NL__2PRFIN20100908_170548_000000452092_00427_44569_3280.N1	08-SEP-2010 17:05:48	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44569	No
163	GOM_NL__2PRFIN20100908_170747_000000452092_00427_44569_3281.N1	08-SEP-2010 17:07:47	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44569	No
164	GOM_NL__2PRFIN20100908_172418_000000532092_00427_44569_3282.N1	08-SEP-2010 17:24:18	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	44569	No
165	GOM_NL__2PRFIN20100908_172854_000000582092_00427_44569_3283.N1	08-SEP-2010 17:28:54	Bright	58.000	24	66Alp Gem	1.5800	10200.	116	44569	No
166	GOM_NL__2PRFIN20100908_173147_000000532092_00427_44569_3284.N1	08-SEP-2010 17:31:47	Twi_and_stray	53.000	170	27Eps Gem	3.0000	9700.0	106	44569	No
167	GOM_NL__2PRFIN20100908_173507_000000572092_00427_44569_3285.N1	08-SEP-2010 17:35:07	Twi_and_stray	56.500	44	24Gam Gem	1.9280	11000.	113	44569	No
168	GOM_NL__2PRFIN20100908_173700_000000482092_00427_44569_3286.N1	08-SEP-2010 17:37:00	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	44569	No
169	GOM_NL__2PRFIN20100908_174517_000000532092_00427_44569_3287.N1	08-SEP-2010 17:45:17	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	44569	No
170	GOM_NL__2PRFIN20100908_174749_000000452092_00427_44569_3288.N1	08-SEP-2010 17:47:49	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	44569	No
171	GOM_NL__2PRFIN20100908_174952_000000452092_00427_44569_3289.N1	08-SEP-2010 17:49:52	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44569	No
172	GOM_NL__2PRFIN20100908_175304_000000482092_00427_44569_3290.N1	08-SEP-2010 17:53:04	Dark	48.000	108	Alp Col	2.6520	15200.	96	44569	No
173	GOM_NL__2PRFIN20100908_180610_000000442092_00428_44570_3319.N1	08-SEP-2010 18:06:10	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44570	No
174	GOM_NL__2PRFIN20100908_181202_000000462092_00428_44570_3320.N1	08-SEP-2010 18:12:02	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44570	No
175	GOM_NL__2PRFIN20100908_181740_000000492092_00428_44570_3321.N1	08-SEP-2010 18:17:40	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	44570	No
176	GOM_NL__2PRFIN20100908_183148_000000452092_00428_44570_3322.N1	08-SEP-2010 18:31:48	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	44570	No
177	GOM_NL__2PRFIN20100908_183602_000000412092_00428_44570_3323.N1	08-SEP-2010 18:36:02	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	44570	No
178	GOM_NL__2PRFIN20100908_184623_000000442092_00428_44570_3324.N1	08-SEP-2010 18:46:23	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	44570	No
179	GOM_NL__2PRFIN20100908_184822_000000452092_00428_44570_3325.N1	08-SEP-2010 18:48:22	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44570	No
180	GOM_NL__2PRFIN20100908_190454_000000512092_00428_44570_3326.N1	08-SEP-2010 19:04:54	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	44570	No
181	GOM_NL__2PRFIN20100908_190930_000000412092_00428_44570_3327.N1	08-SEP-2010 19:09:30	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	44570	No
182	GOM_NL__2PRFIN20100908_191223_000000532092_00428_44570_3328.N1	08-SEP-2010 19:12:23	Twi_and_stray	52.500	170	27Eps Gem	3.0000	9700.0	105	44570	No
183	GOM_NL__2PRFIN20100908_191544_000000572092_00428_44570_3329.N1	08-SEP-2010 19:15:44	Twi_and_stray	57.000	44	24Gam Gem	1.9280	11000.	114	44570	No
184	GOM_NL__2PRFIN20100908_191736_000000472092_00428_44570_3330.N1	08-SEP-2010 19:17:36	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	44570	No
185	GOM_NL__2PRFIN20100908_192554_000000542092_00428_44570_3331.N1	08-SEP-2010 19:25:54	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	44570	No
186	GOM_NL__2PRFIN20100908_192826_000000462092_00428_44570_3332.N1	08-SEP-2010 19:28:26	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	44570	No
187	GOM_NL__2PRFIN20100908_193029_000000452092_00428_44570_3333.N1	08-SEP-2010 19:30:29	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	44570	No
188	GOM_NL__2PRFIN20100908_193341_000000492092_00428_44570_3334.N1	08-SEP-2010 19:33:41	Dark	49.000	108	Alp Col	2.6520	15200.	98	44570	No
189	GOM_NL__2PRFIN20100908_194646_000000422092_00429_44571_3376.N1	08-SEP-2010 19:46:46	Dark	42.000	9	Alp Eri	0.45300	24000.	84	44571	No
190	GOM_NL__2PRFIN20100908_195239_000000502092_00429_44571_3377.N1	08-SEP-2010 19:52:39	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44571	No
191	GOM_NL__2PRFIN20100908_195816_000000452092_00429_44571_3378.N1	08-SEP-2010 19:58:16	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	44571	No
192	GOM_NL__2PRFIN20100908_201224_000000442092_00429_44571_3379.N1	08-SEP-2010 20:12:24	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	44571	No
193	GOM_NL__2PRFIN20100908_201637_000000422092_00429_44571_3380.N1	08-SEP-2010 20:16:37	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	44571	No
194	GOM_NL__2PRFIN20100908_202658_000000442092_00429_44571_3381.N1	08-SEP-2010 20:26:58	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	44571	No
195	GOM_NL__2PRFIN20100908_202858_000000442092_00429_44571_3382.N1	08-SEP-2010 20:28:58	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44571	No
196	GOM_NL__2PRFIN20100908_204530_000000512092_00429_44571_3383.N1	08-SEP-2010 20:45:30	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	44571	No
197	GOM_NL__2PRFIN20100908_205006_000000402092_00429_44571_3384.N1	08-SEP-2010 20:50:06	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44571	No
198	GOM_NL__2PRFIN20100908_205259_000000562092_00429_44571_3385.N1	08-SEP-2010 20:52:59	Twi_and_stray	56.000	170	27Eps Gem	3.0000	9700.0	112	44571	No
199	GOM_NL__2PRFIN20100908_205620_000000552092_00429_44571_3386.N1	08-SEP-2010 20:56:20	Twi_and_stray	55.000	44	24Gam Gem	1.9280	11000.	110	44571	No
200	GOM_NL__2PRFIN20100908_205812_000000502092_00429_44571_3387.N1	08-SEP-2010 20:58:12	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	44571	No
201	GOM_NL__2PRFIN20100908_210630_000000522092_00429_44571_3388.N1	08-SEP-2010 21:06:30	Dark	51.500	1	9Alp CMa	-1.4400	11000.	103	44571	No
202	GOM_NL__2PRFIN20100908_210902_000000482092_00429_44571_3389.N1	08-SEP-2010 21:09:02	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	44571	No
203	GOM_NL__2PRFIN20100908_211418_000000472092_00429_44571_3390.N1	08-SEP-2010 21:14:18	Dark	47.000	108	Alp Col	2.6520	15200.	94	44571	No
204	GOM_NL__2PRFIN20100908_212722_000000452092_00430_44572_3406.N1	08-SEP-2010 21:27:22	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44572	No
205	GOM_NL__2PRFIN20100908_213315_000000452092_00430_44572_3407.N1	08-SEP-2010 21:33:15	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44572	No
206	GOM_NL__2PRFIN20100908_213852_000000452092_00430_44572_3408.N1	08-SEP-2010 21:38:52	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44572	No
207	GOM_NL__2PRFIN20100908_215259_000000452092_00430_44572_3409.N1	08-SEP-2010 21:52:59	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	44572	No
208	GOM_NL__2PRFIN20100908_215713_000000392092_00430_44572_3410.N1	08-SEP-2010 21:57:13	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	44572	No
209	GOM_NL__2PRFIN20100908_220734_000000452092_00430_44572_3411.N1	08-SEP-2010 22:07:34	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44572	No
210	GOM_NL__2PRFIN20100908_220932_000000452092_00430_44572_3412.N1	08-SEP-2010 22:09:32	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44572	No
211	GOM_NL__2PRFIN20100908_222606_000000542092_00430_44572_3413.N1	08-SEP-2010 22:26:06	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	44572	No
212	GOM_NL__2PRFIN20100908_223042_000000412092_00430_44572_3414.N1	08-SEP-2010 22:30:42	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44572	No
213	GOM_NL__2PRFIN20100908_223335_000000542092_00430_44572_3415.N1	08-SEP-2010 22:33:35	Twi_and_stray	54.000	170	27Eps Gem	3.0000	9700.0	108	44572	No
214	GOM_NL__2PRFIN20100908_223657_000000482092_00430_44572_3416.N1	08-SEP-2010 22:36:57	Twi_and_stray	48.000	44	24Gam Gem	1.9280	11000.	96	44572	No
215	GOM_NL__2PRFIN20100908_223848_000000552092_00430_44572_3417.N1	08-SEP-2010 22:38:48	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	44572	No
216	GOM_NL__2PRFIN20100908_224707_000000532092_00430_44572_3418.N1	08-SEP-2010 22:47:07	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	44572	No
217	GOM_NL__2PRFIN20100908_224939_000000432092_00430_44572_3419.N1	08-SEP-2010 22:49:39	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	44572	No
218	GOM_NL__2PRFIN20100908_225142_000000442092_00430_44572_3420.N1	08-SEP-2010 22:51:42	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	44572	No
219	GOM_NL__2PRFIN20100908_225455_000000482092_00430_44572_3421.N1	08-SEP-2010 22:54:55	Dark	48.000	108	Alp Col	2.6520	15200.	96	44572	No

220	GOM_NL__2PRFIN20100908_230759_000000452092_00431_44573_3421.N1	08-SEP-2010 23:07:59	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44573	No
221	GOM_NL__2PRFIN20100908_231351_000000452092_00431_44573_3422.N1	08-SEP-2010 23:13:51	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44573	No
222	GOM_NL__2PRFIN20100908_231928_000000472092_00431_44573_3423.N1	08-SEP-2010 23:19:28	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	44573	No
223	GOM_NL__2PRFIN20100908_233335_000000442092_00431_44573_3424.N1	08-SEP-2010 23:33:35	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44573	No
224	GOM_NL__2PRFIN20100908_233749_000000392092_00431_44573_3425.N1	08-SEP-2010 23:37:49	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	44573	No
225	GOM_NL__2PRFIN20100908_234809_000000432092_00431_44573_3426.N1	08-SEP-2010 23:48:09	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44573	No
226	GOM_NL__2PRFIN20100908_235008_000000452092_00431_44573_3427.N1	08-SEP-2010 23:50:08	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44573	No

### 3. Quality information per product

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

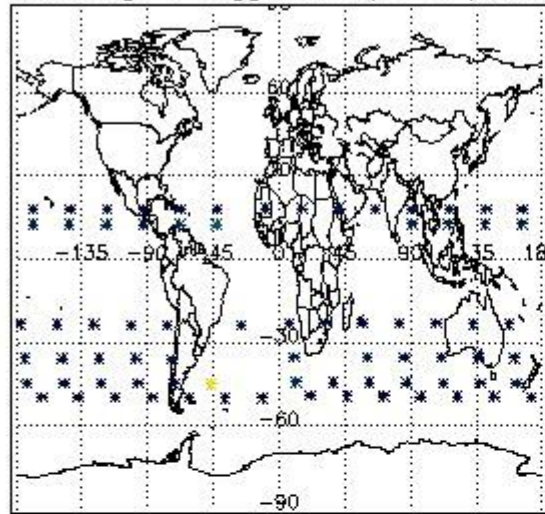
#### 3.1 Plot quality information per product (time dependant)



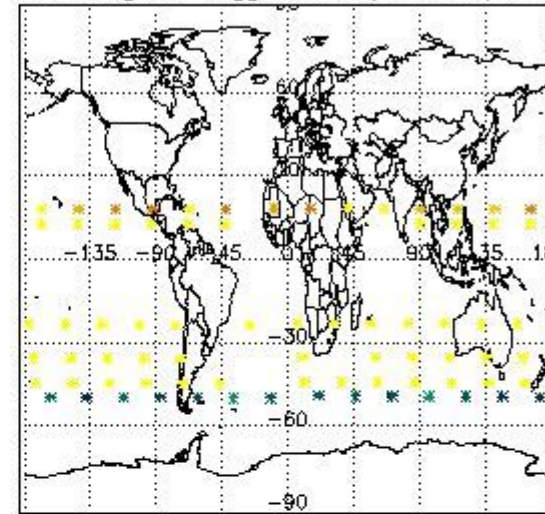
#### 3.2 Plot quality information per product (world map)



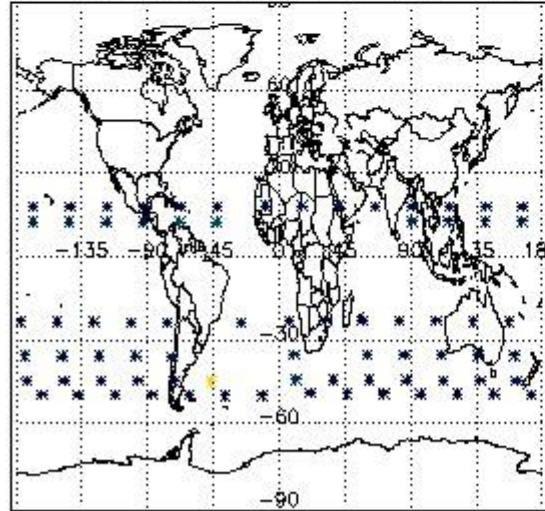
Percentage of flagged data per O3 profile



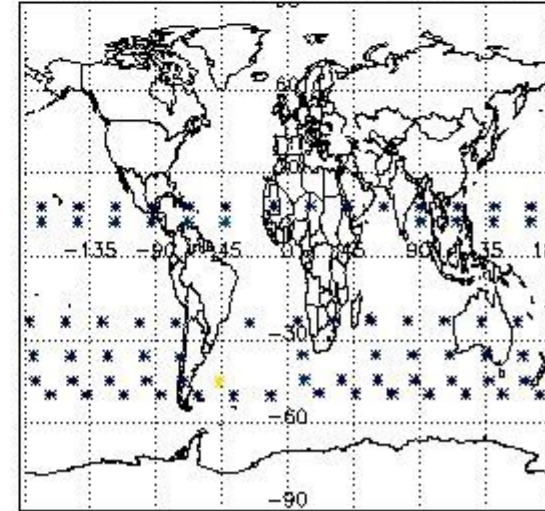
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

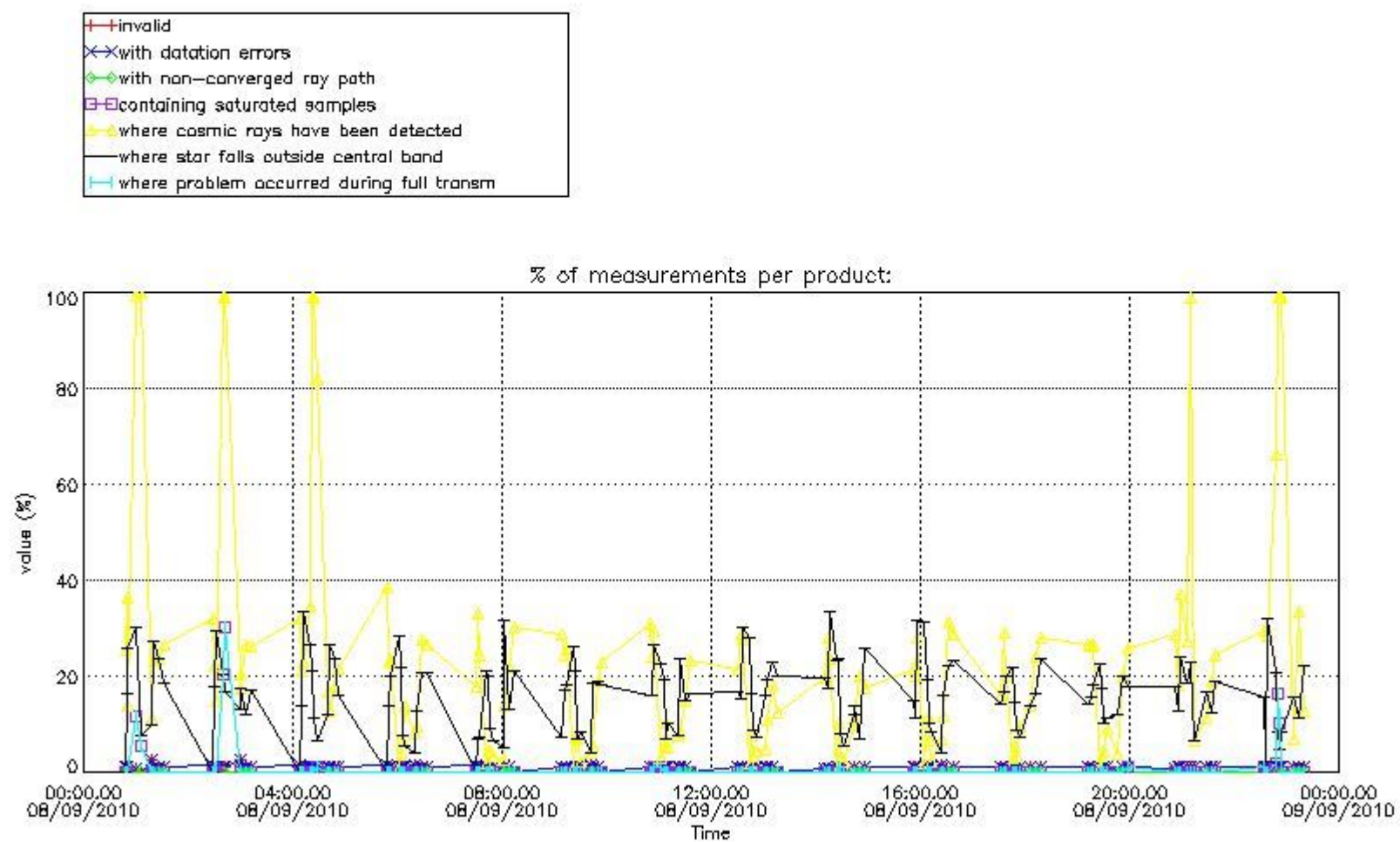


#### 4. Level 1 quality information per product

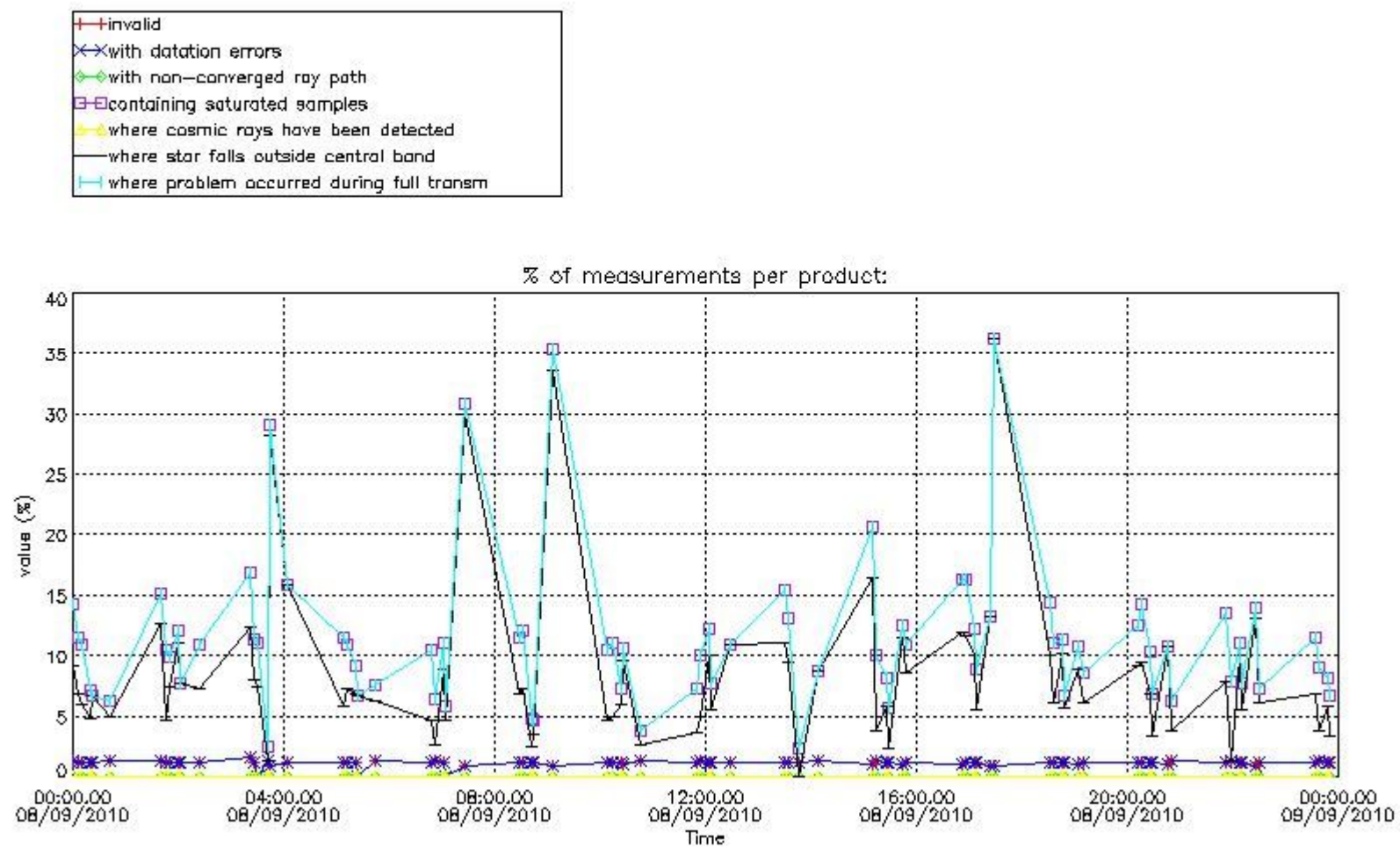
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

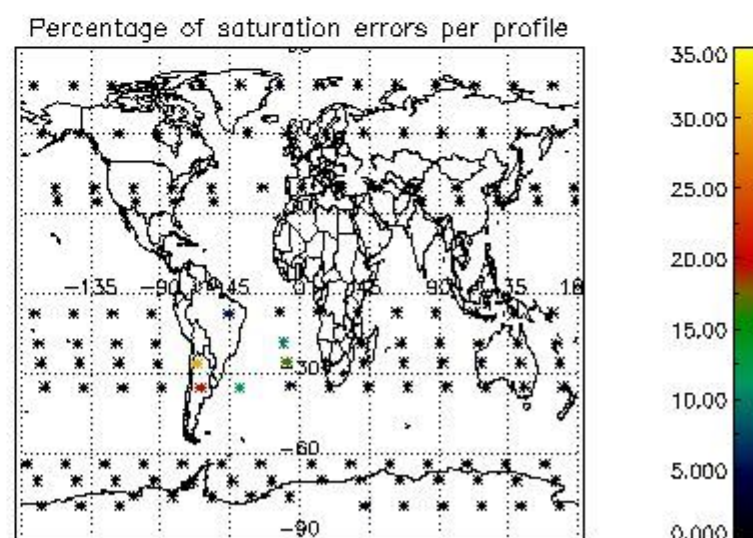
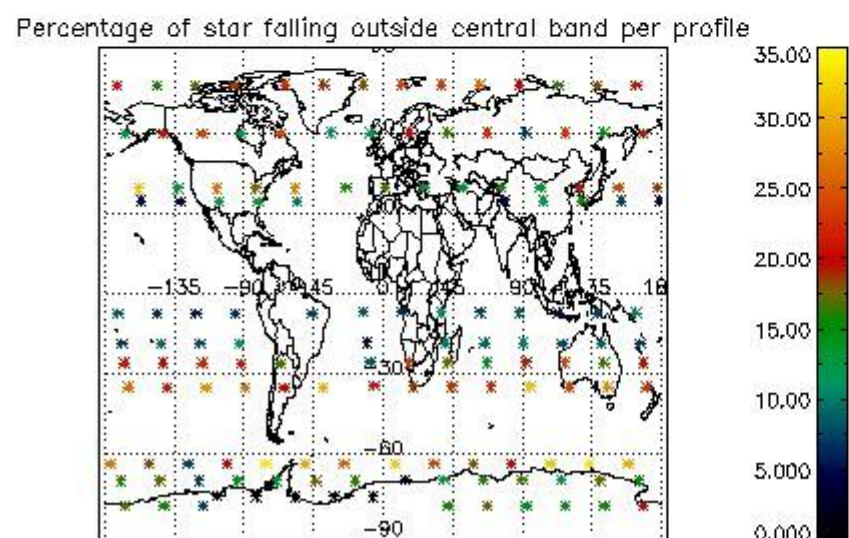
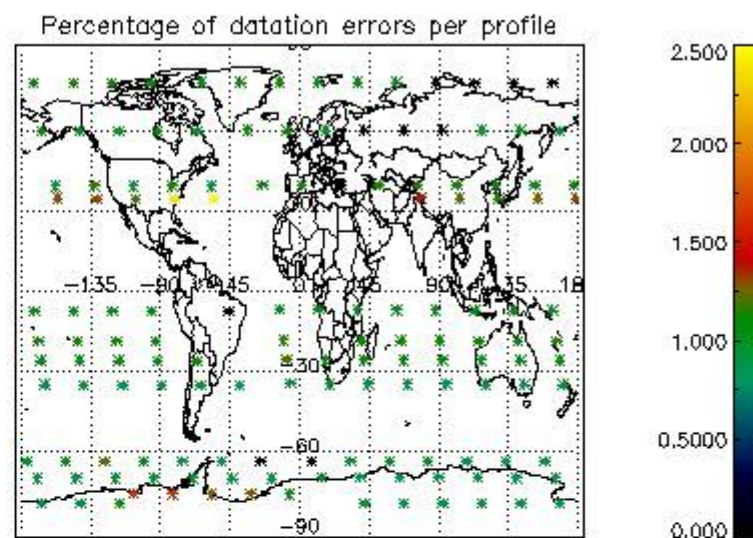
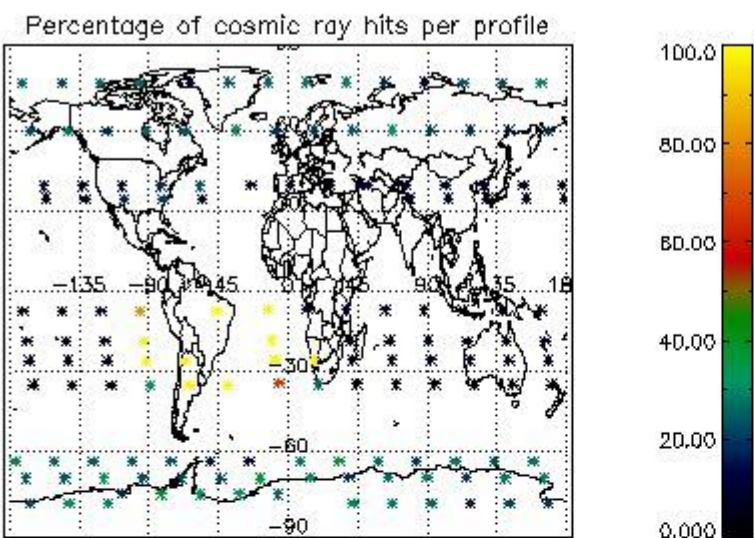


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

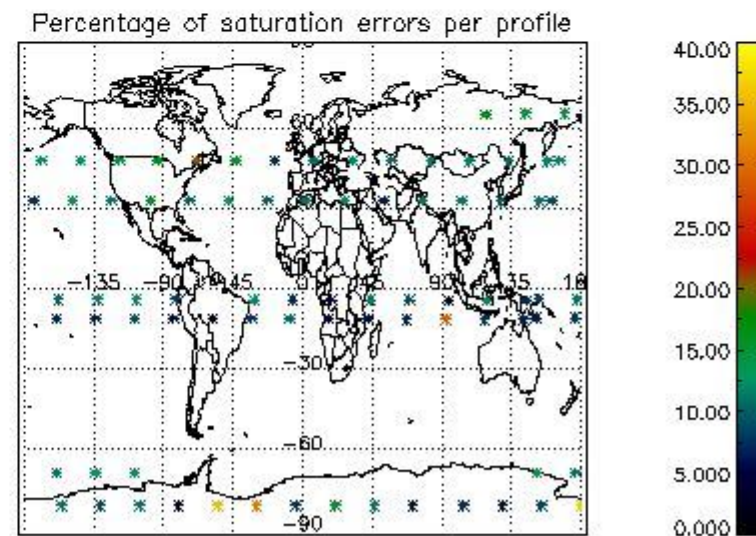
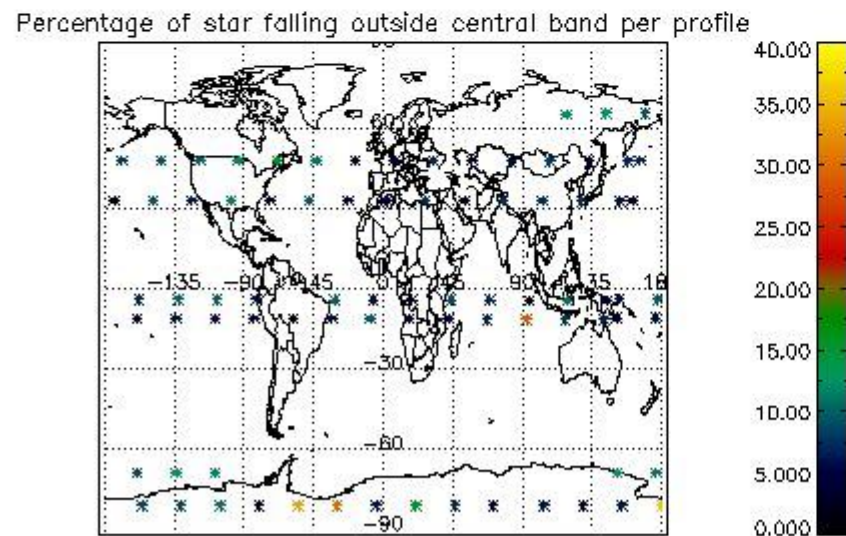
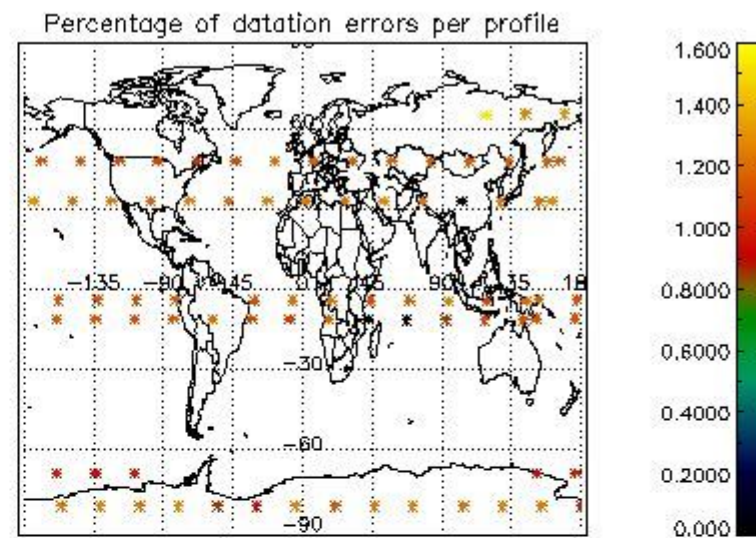
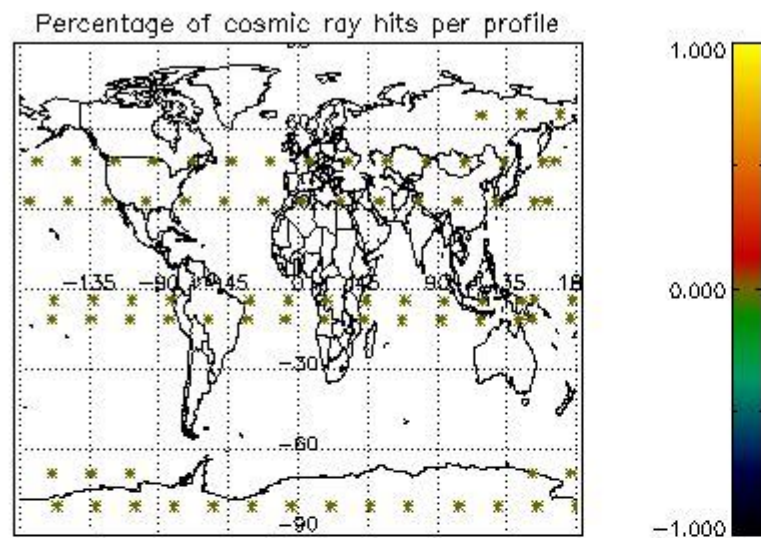


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

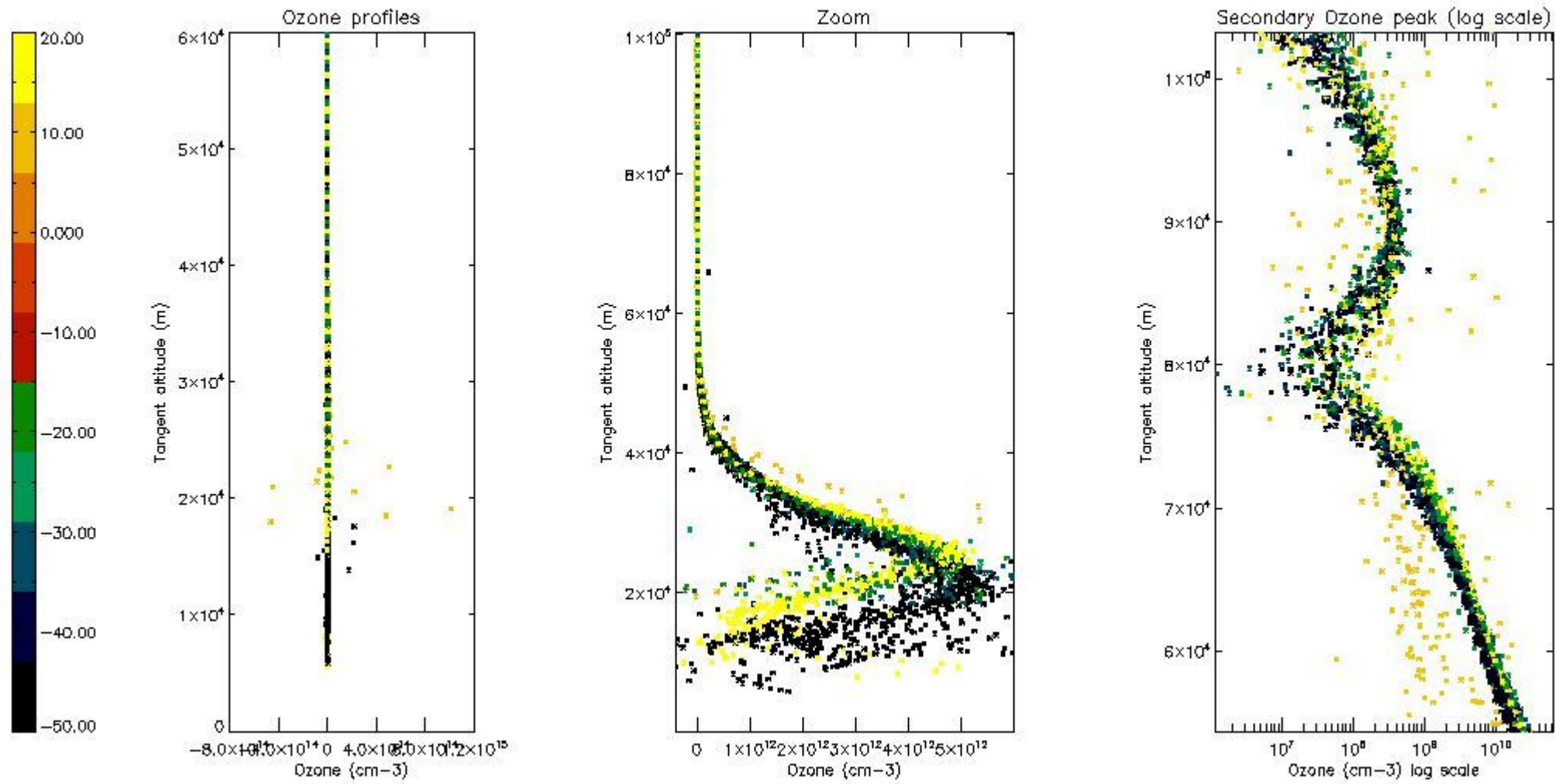
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	21

STD < 10	18
STD < 5	14

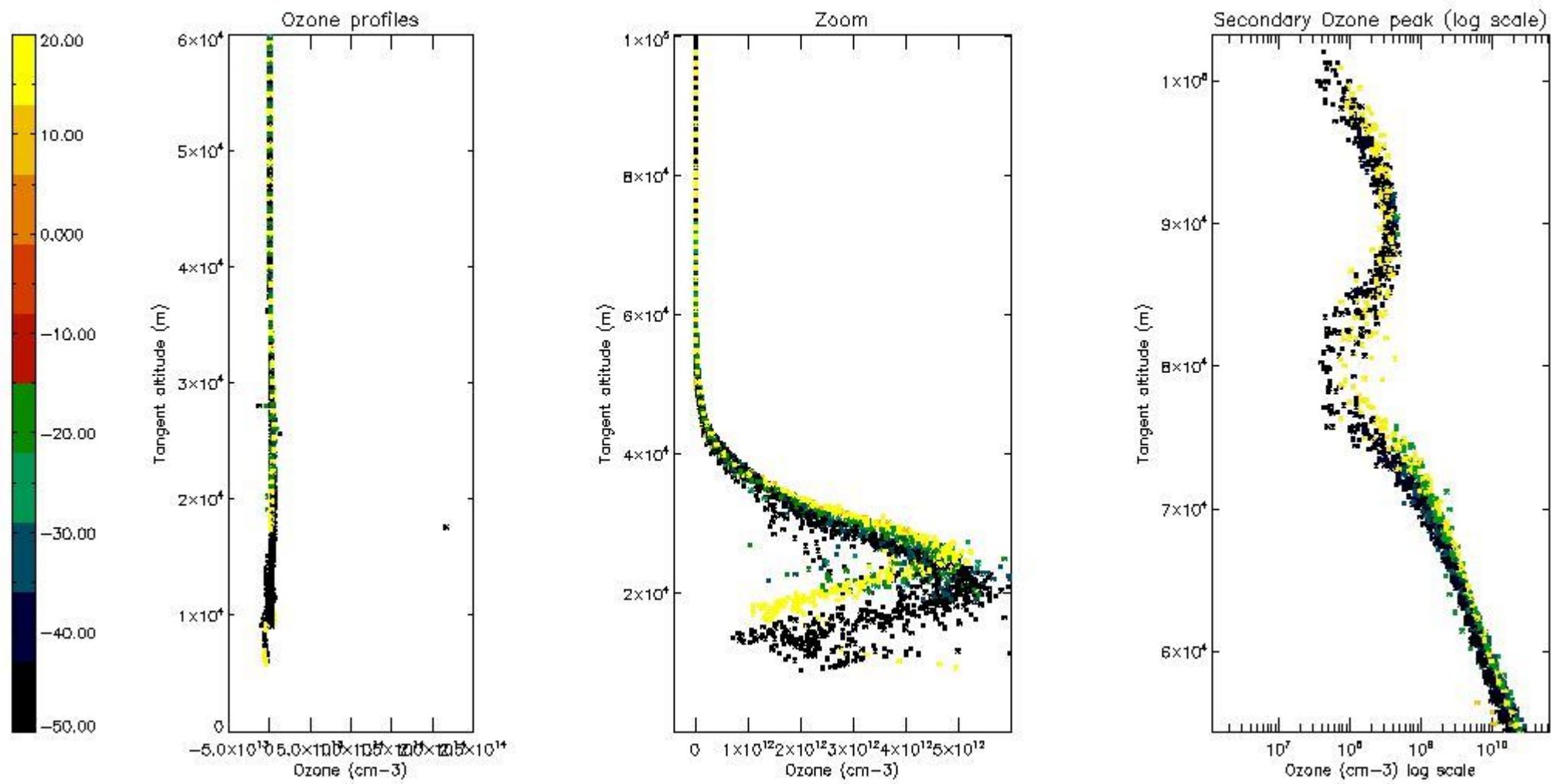
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



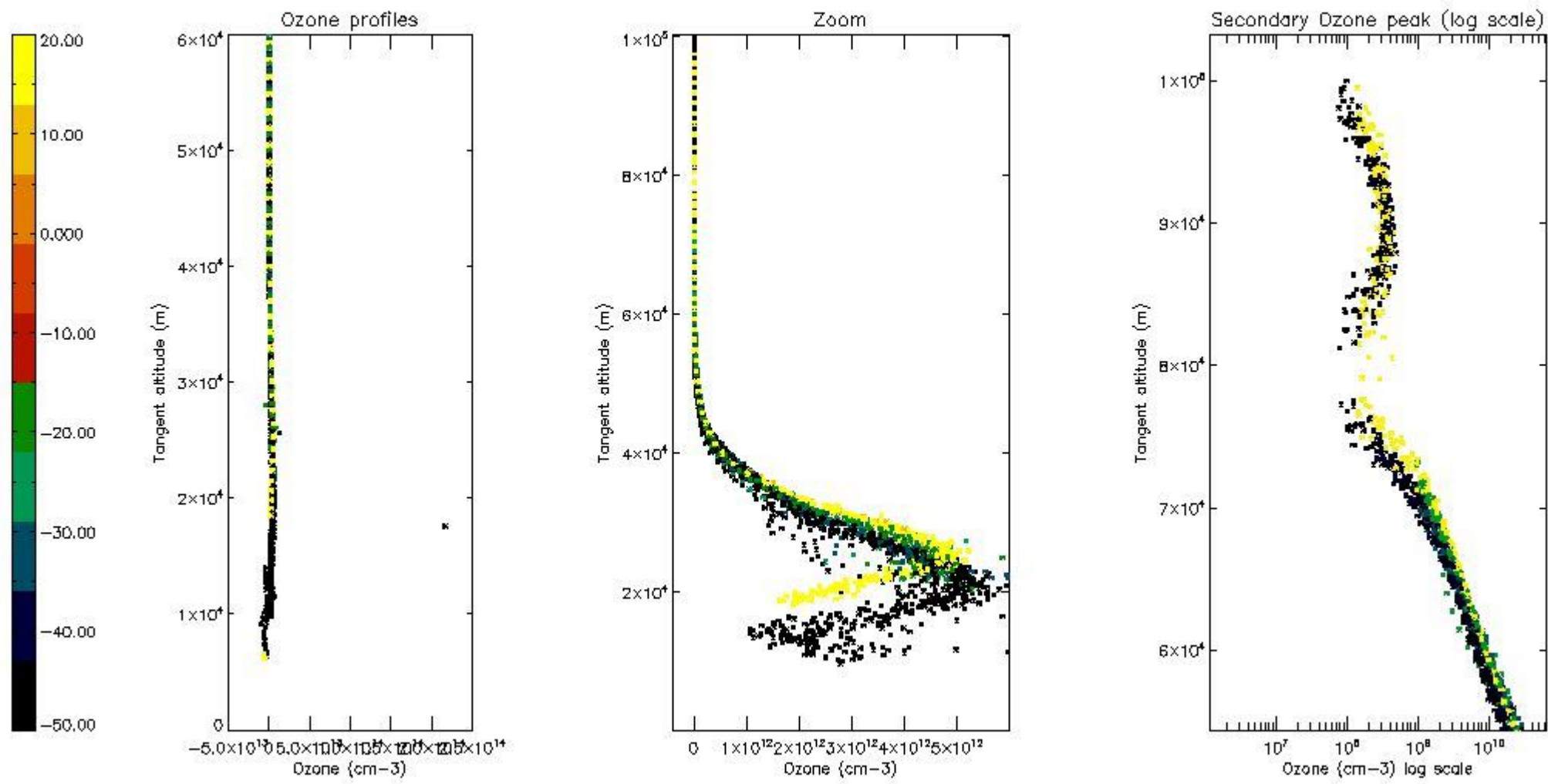
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

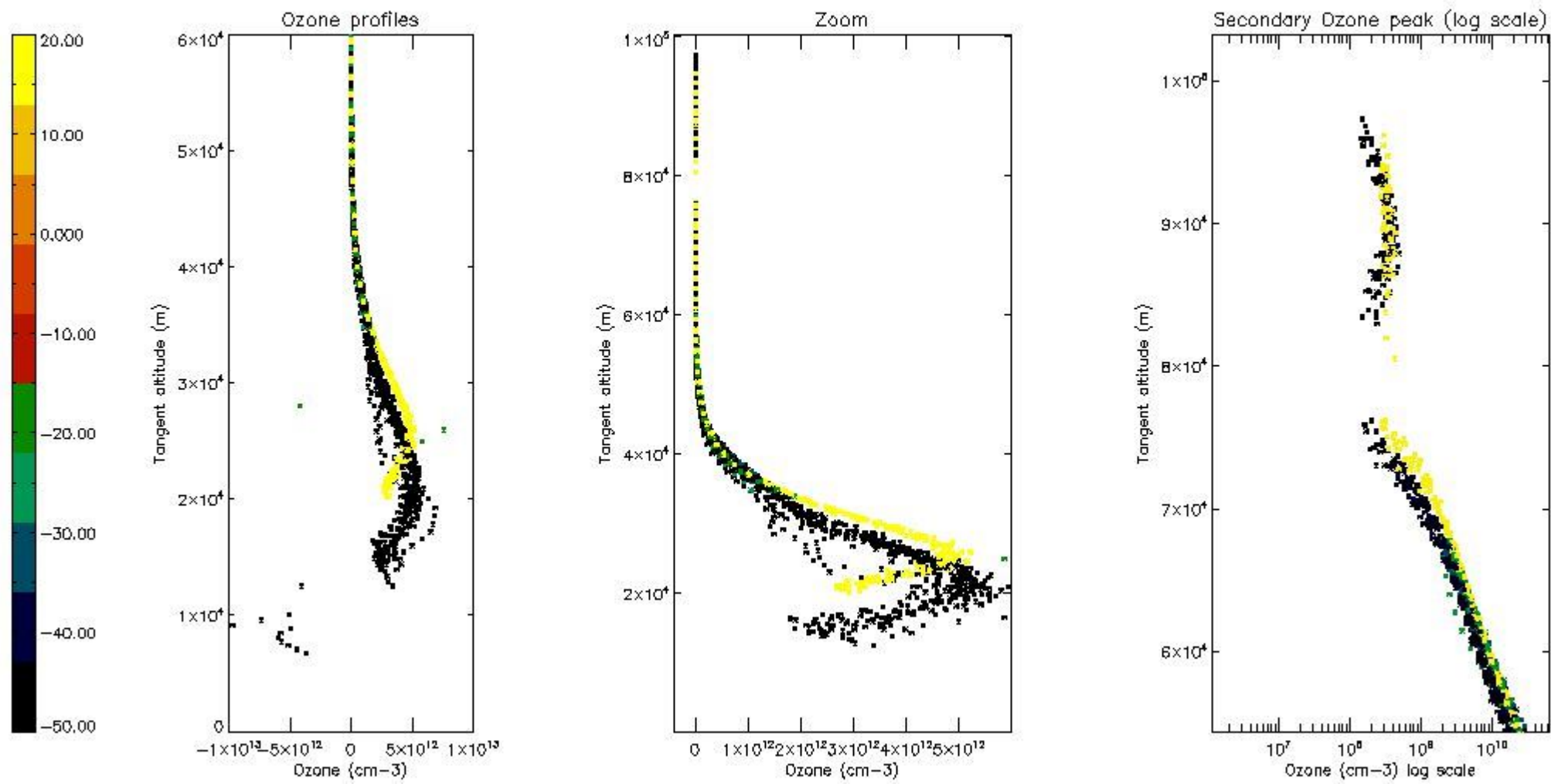
The colorbar represents the latitude.



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

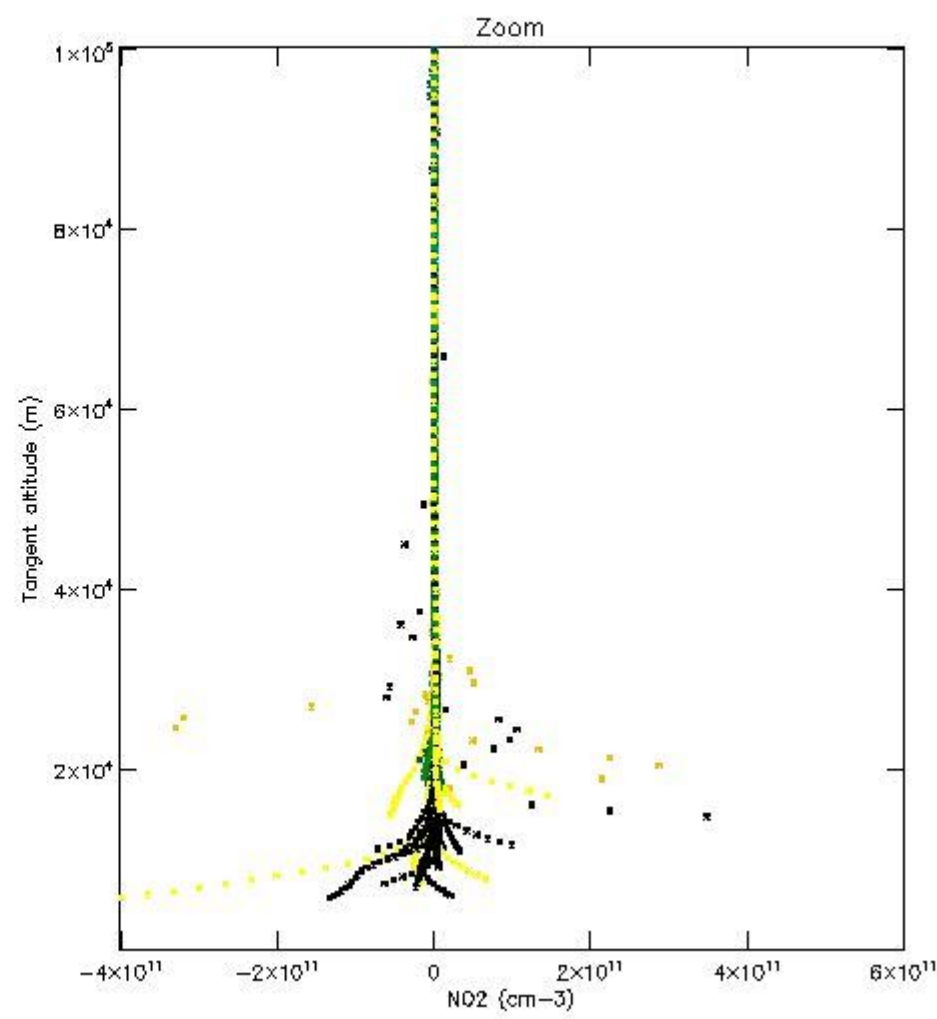
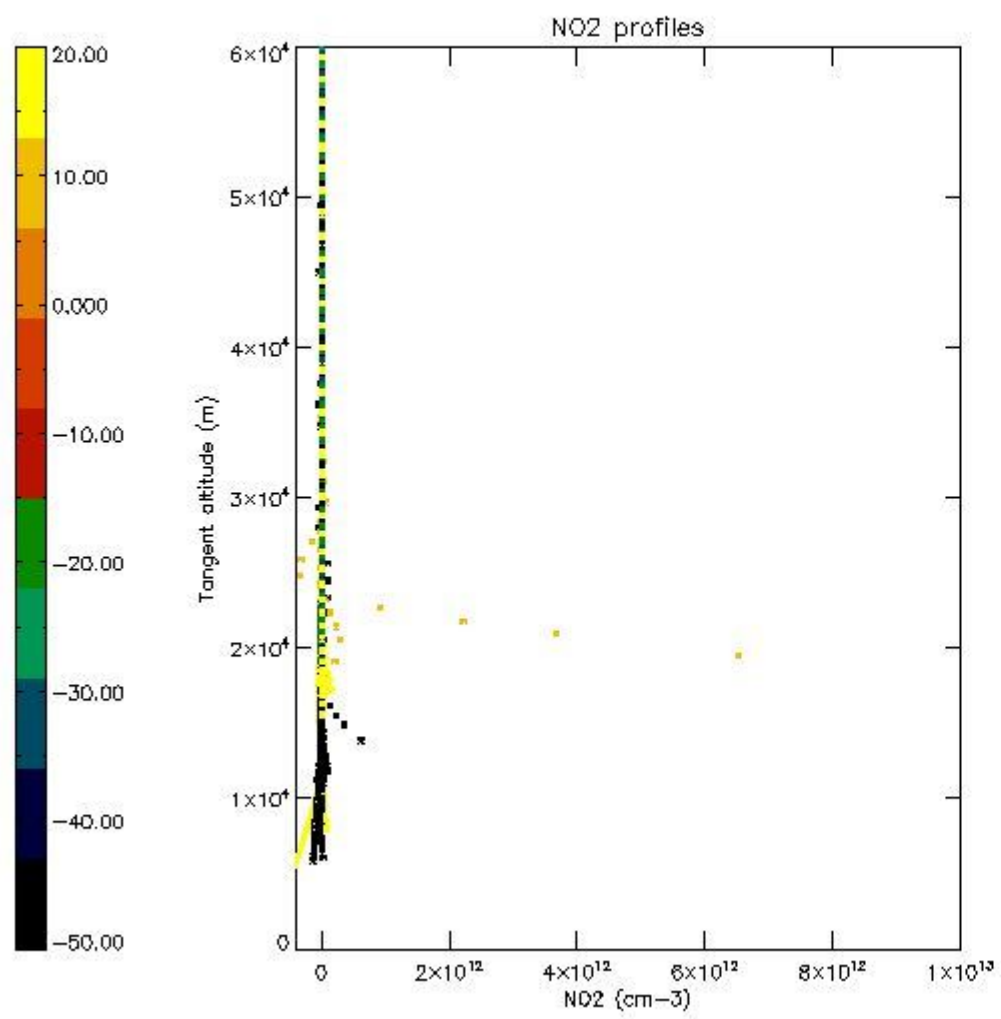
The colorbar represents the latitude.





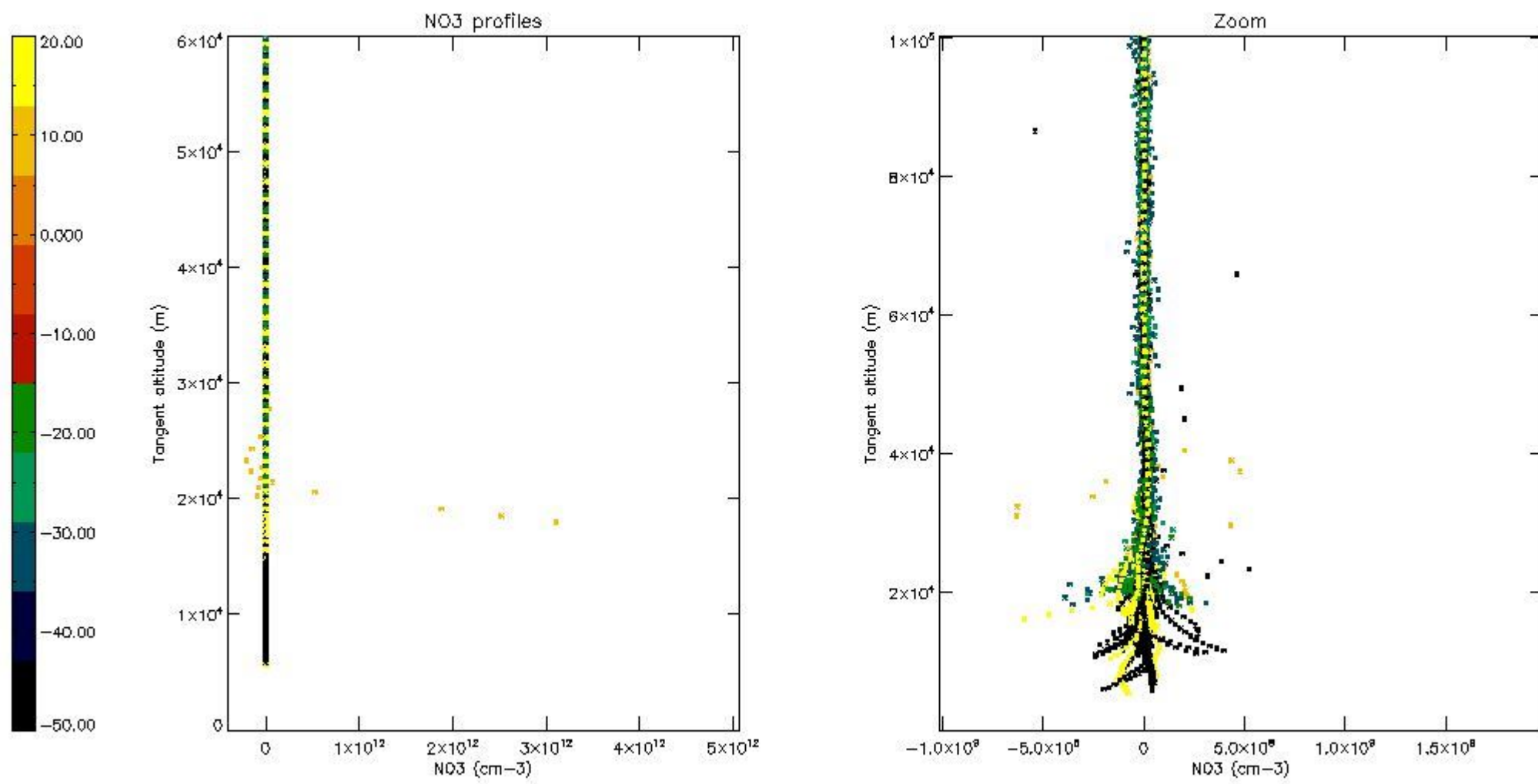
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



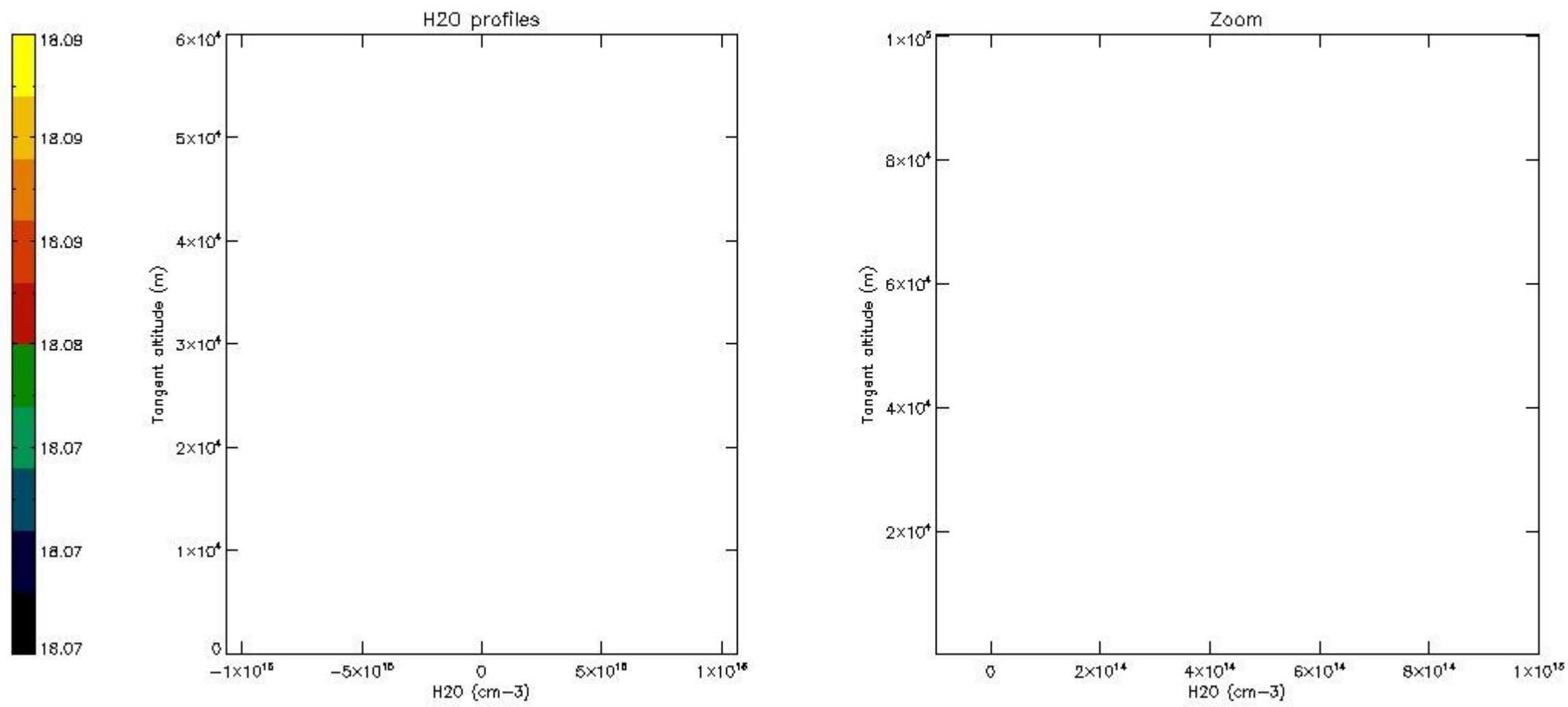
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

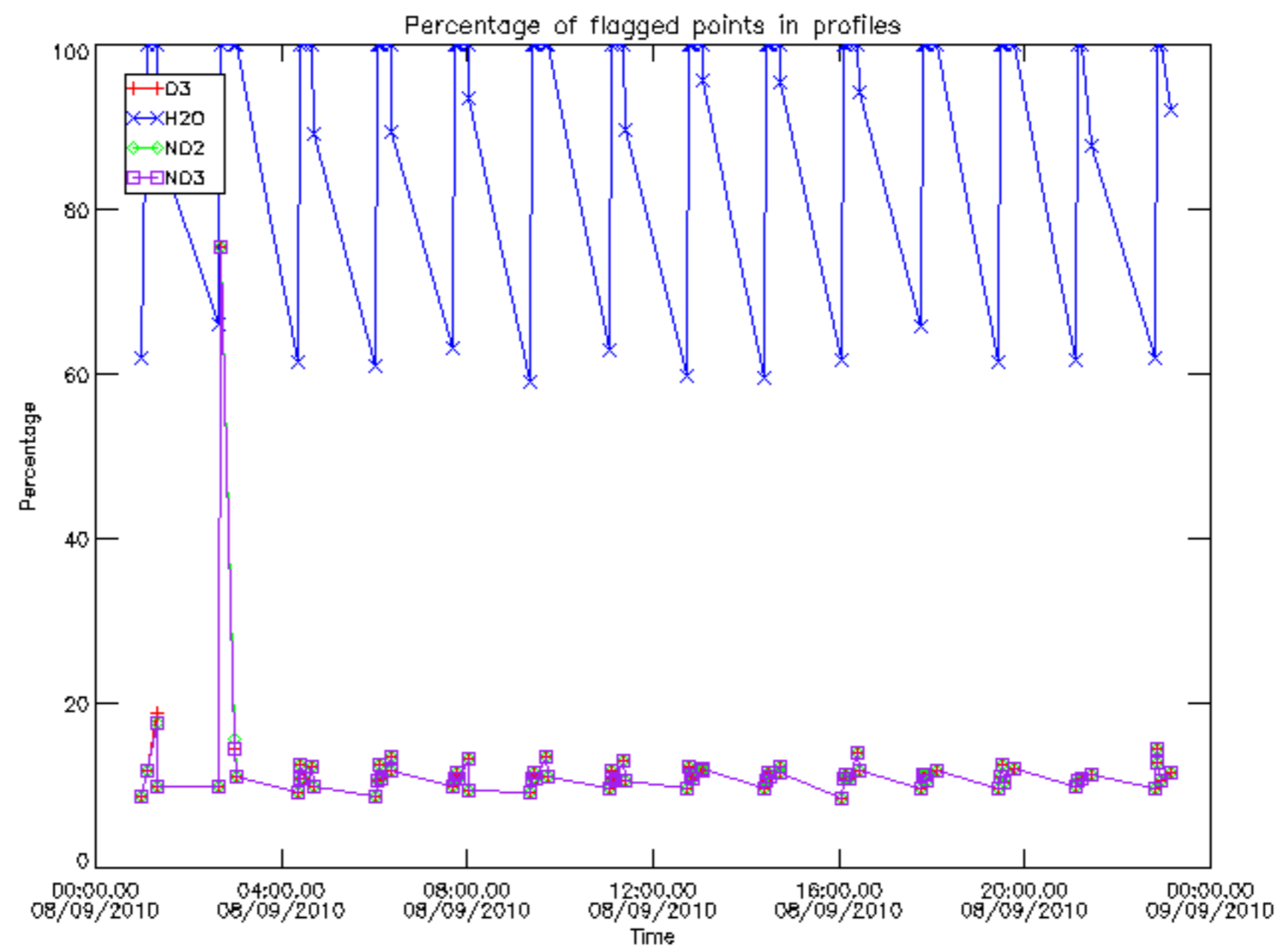
The colorbar represents the latitude.



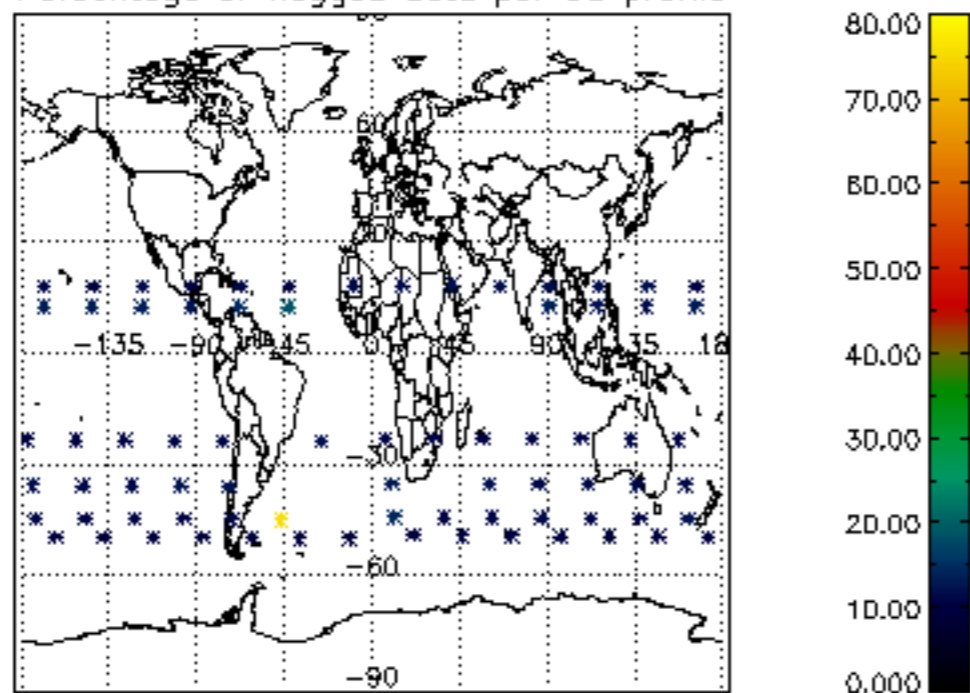
## 6. Auxiliary Data Files used for the production reported in section 2

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.

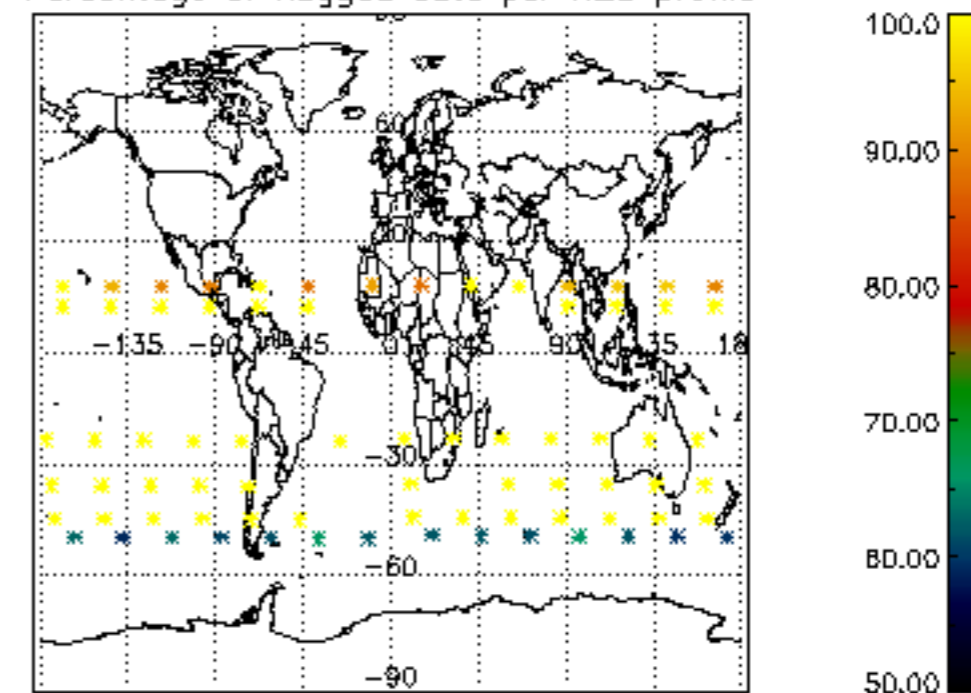
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-SEP-2010 00:00:04
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-SEP-2010 00:00:04
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-SEP-2010 00:00:04



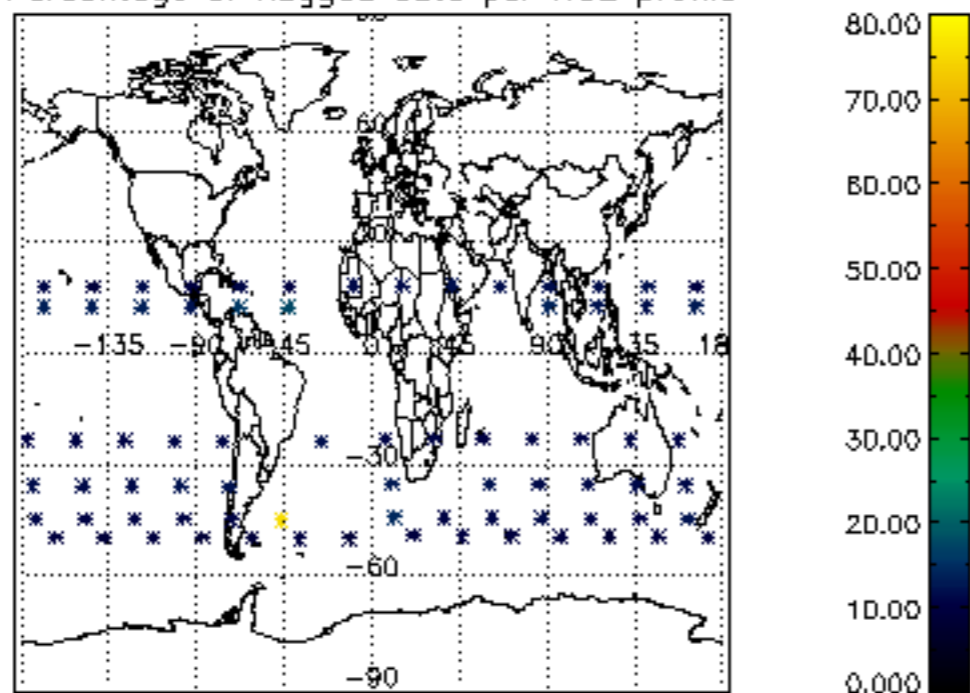
Percentage of flagged data per D3 profile



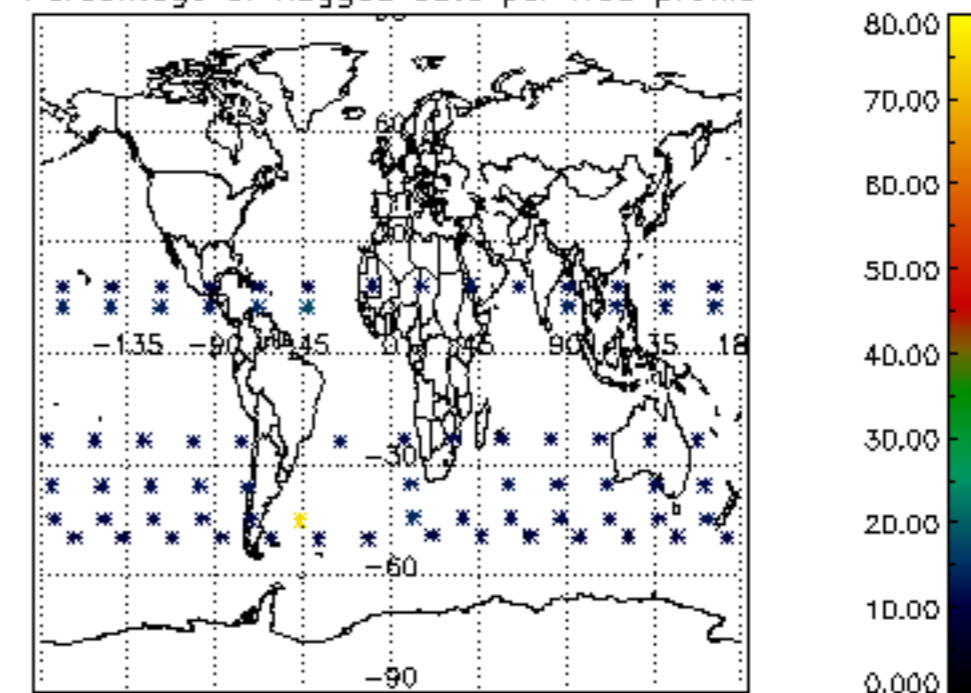
Percentage of flagged data per H2O profile

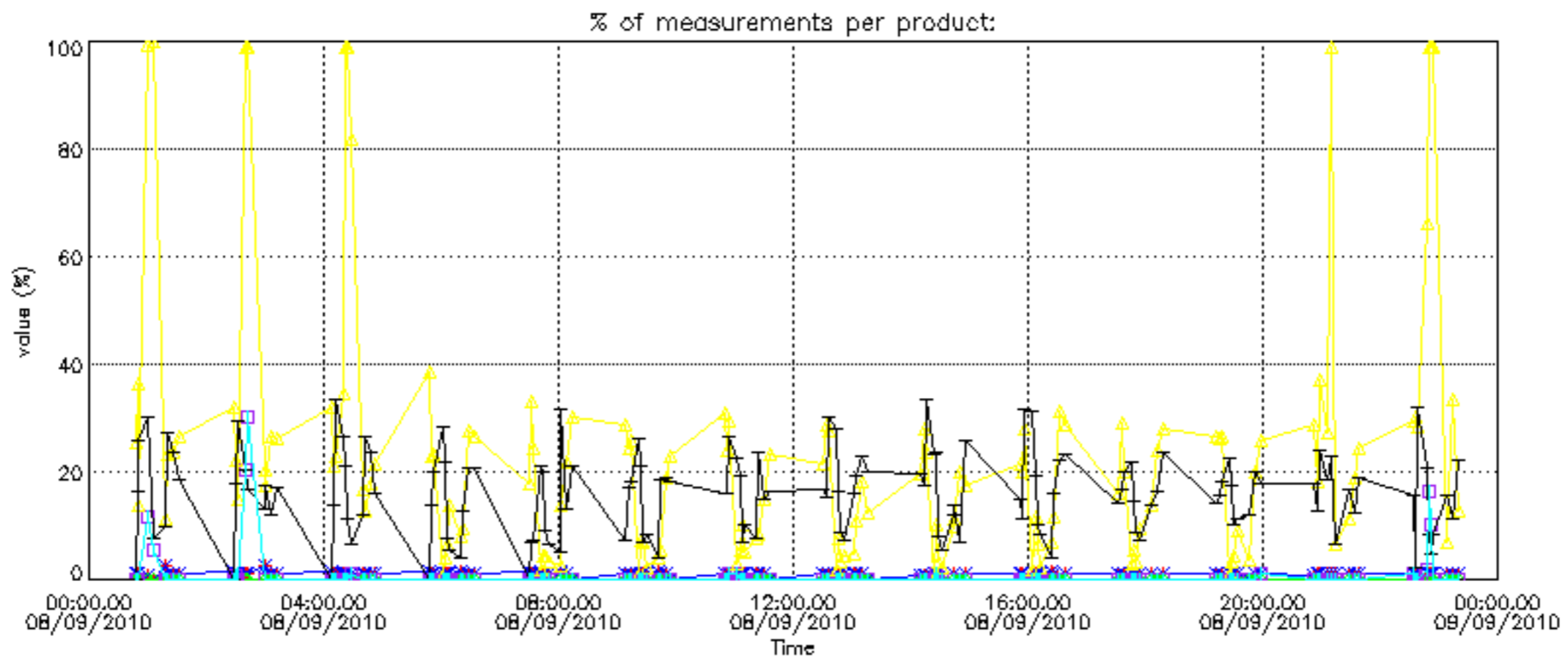


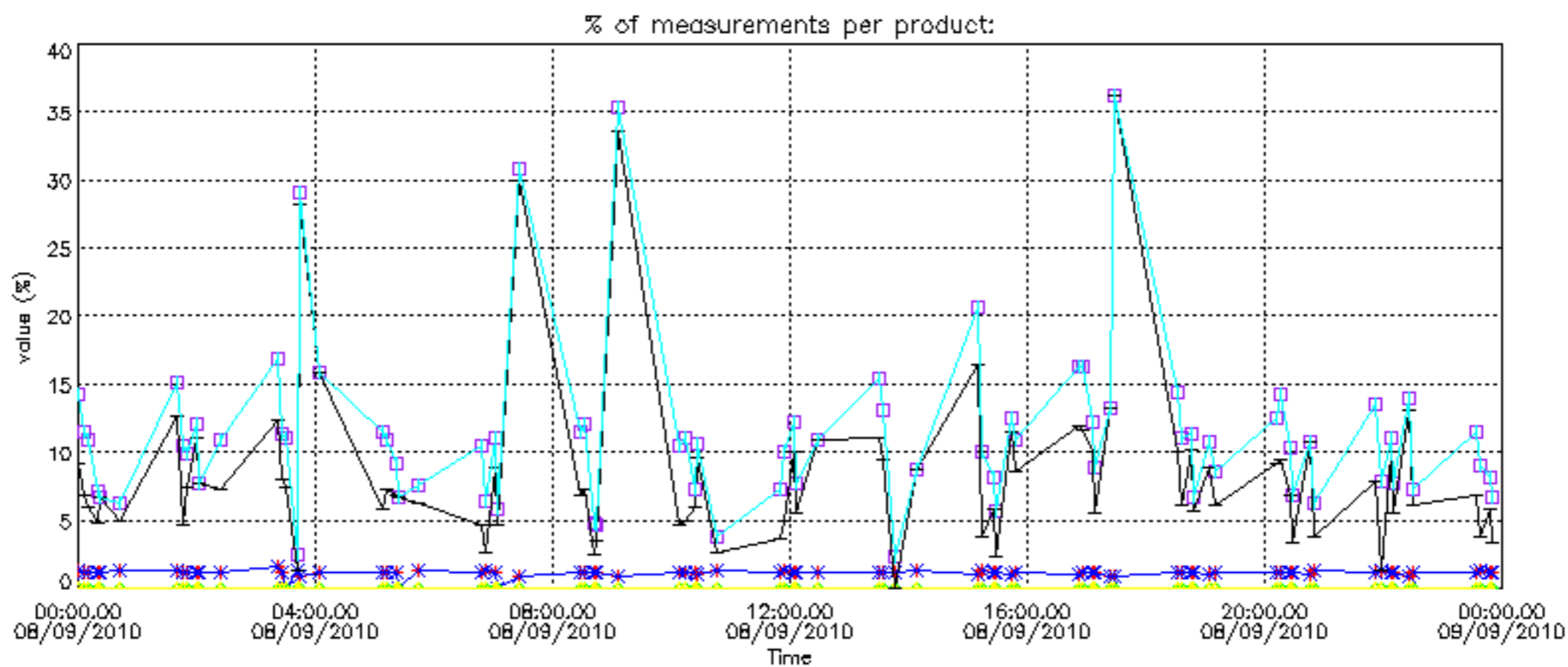
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

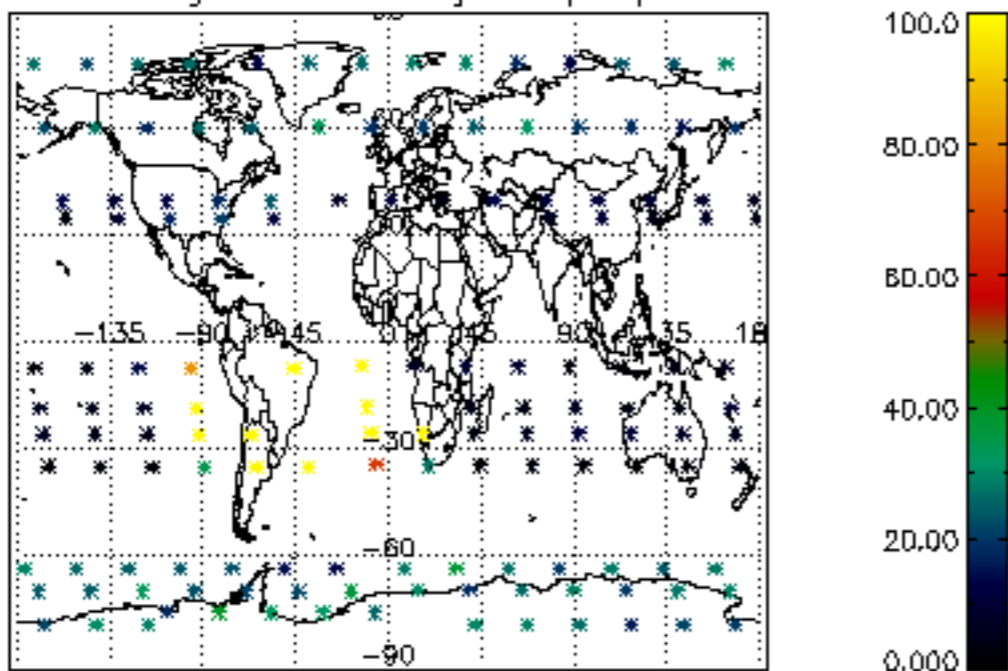




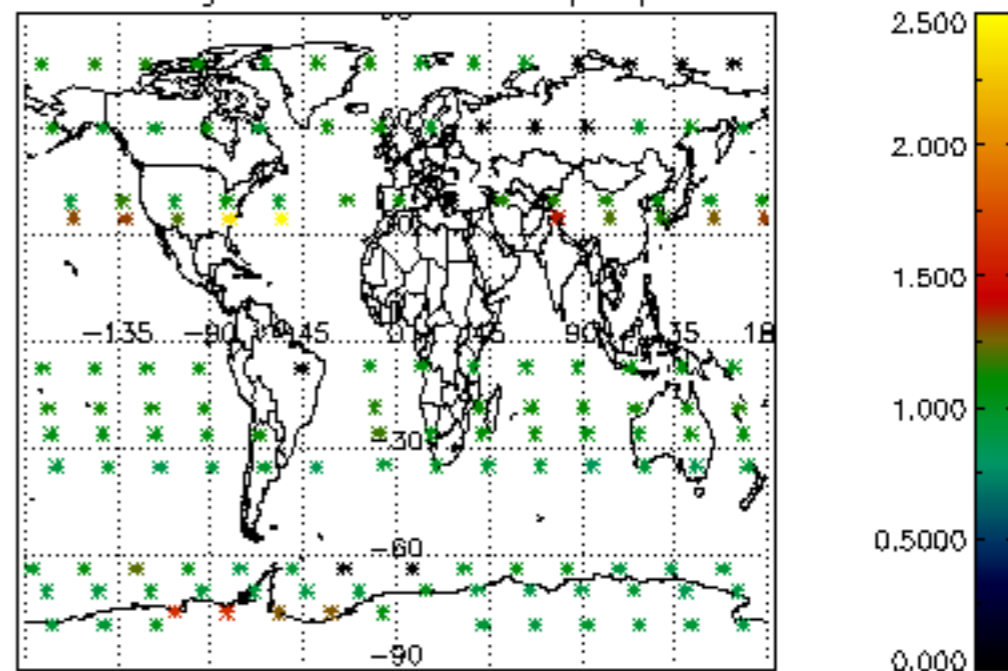




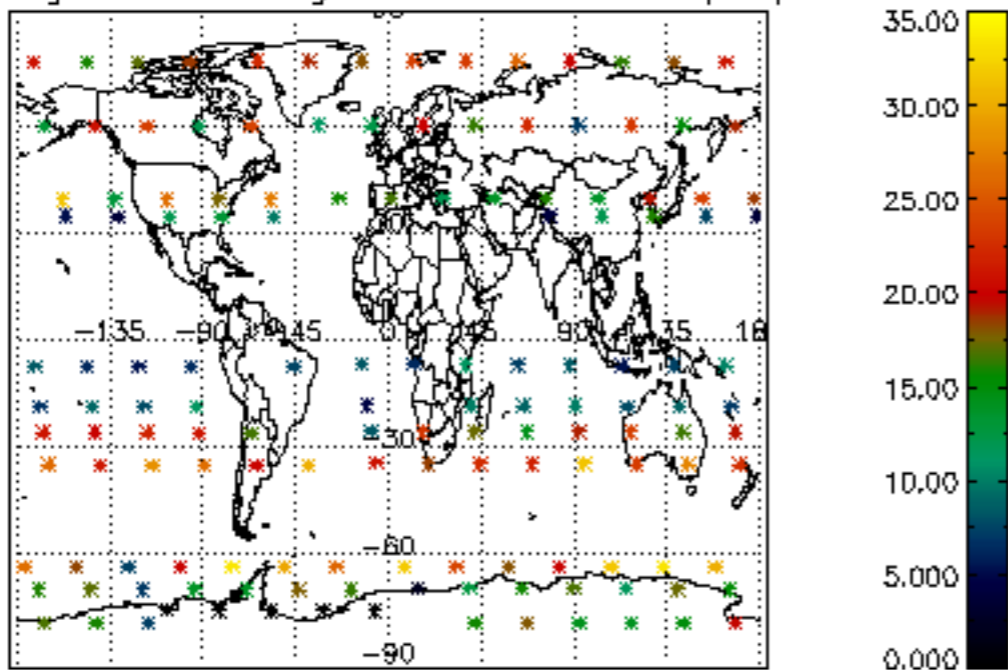
Percentage of cosmic ray hits per profile



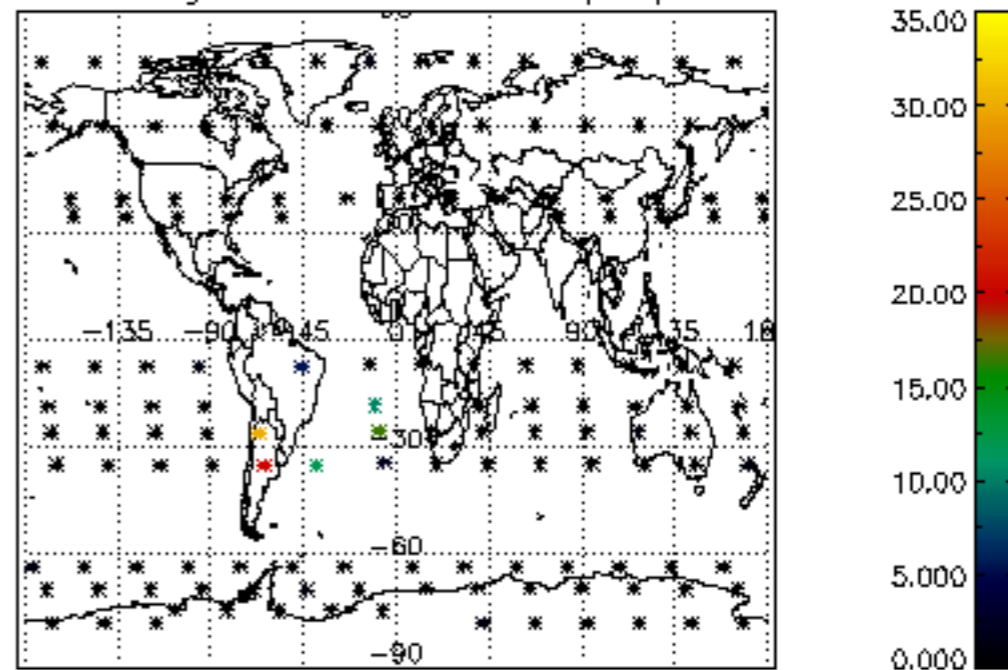
Percentage of datation errors per profile



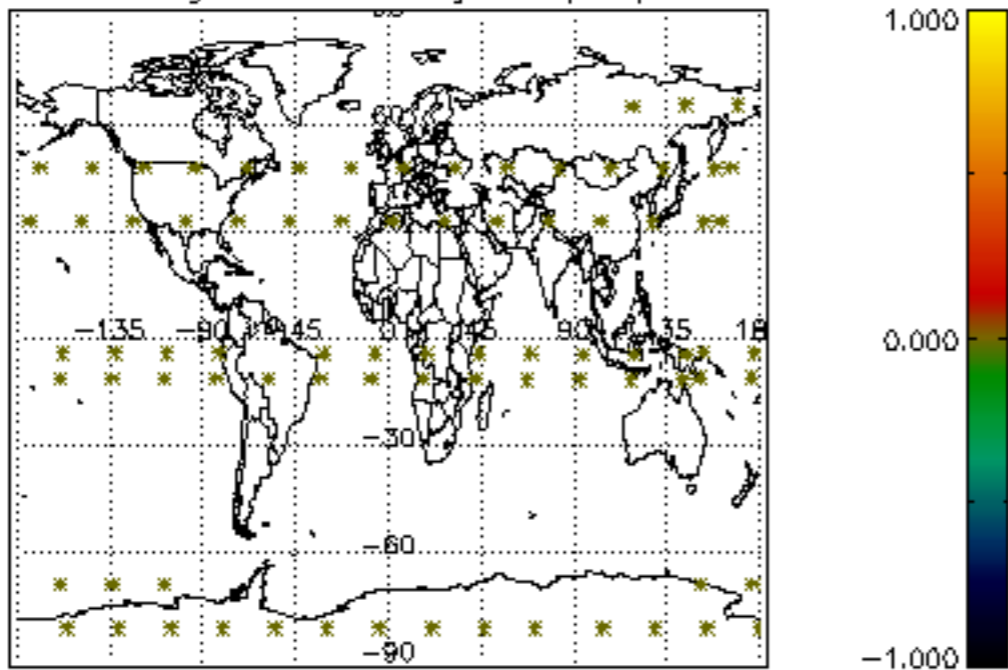
Percentage of star falling outside central band per profile



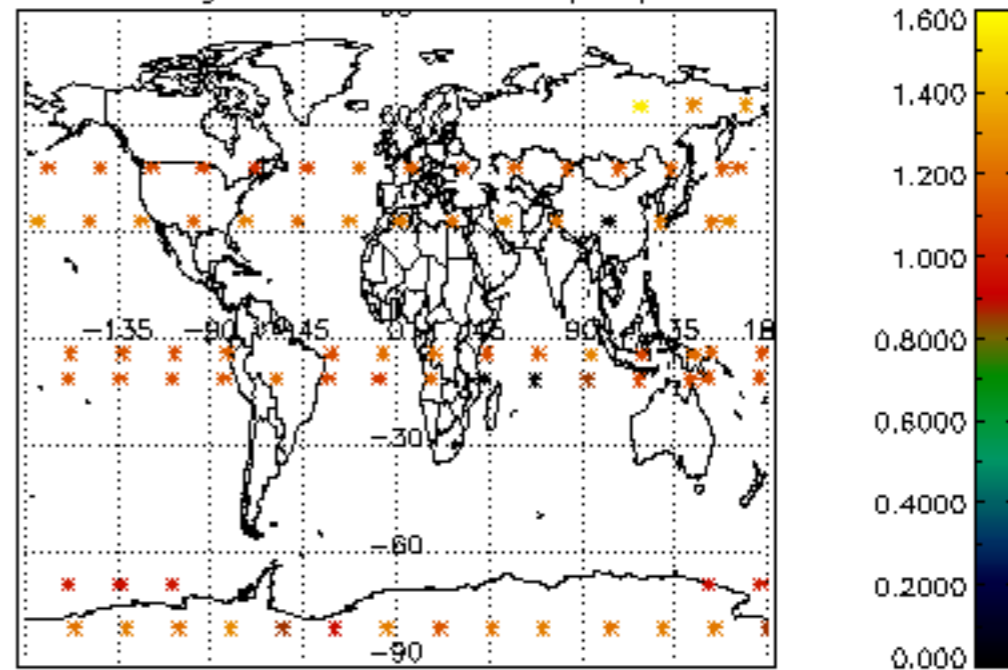
Percentage of saturation errors per profile



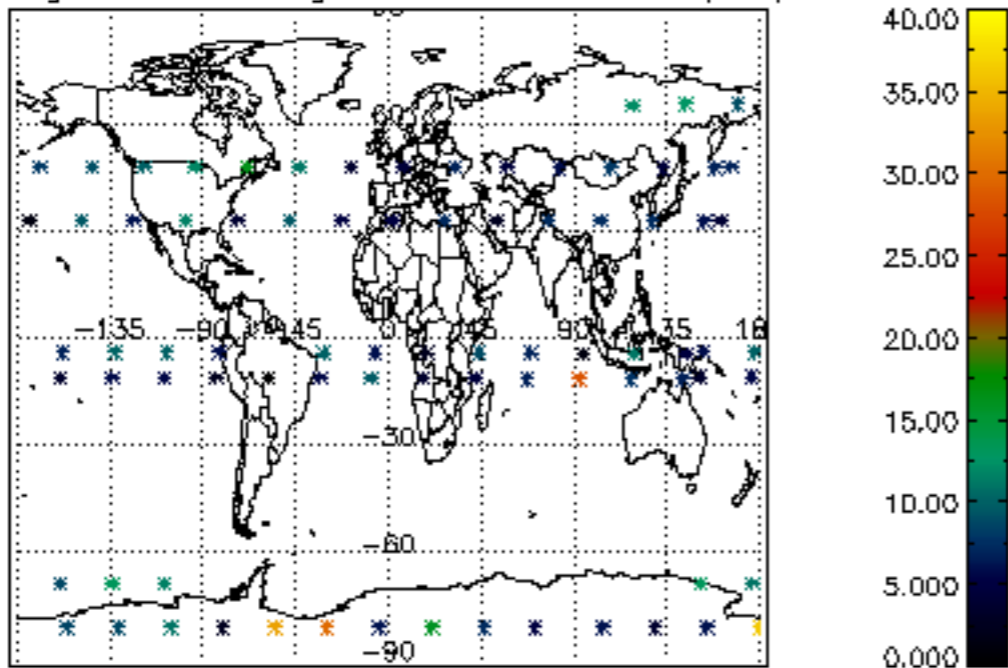
Percentage of cosmic ray hits per profile



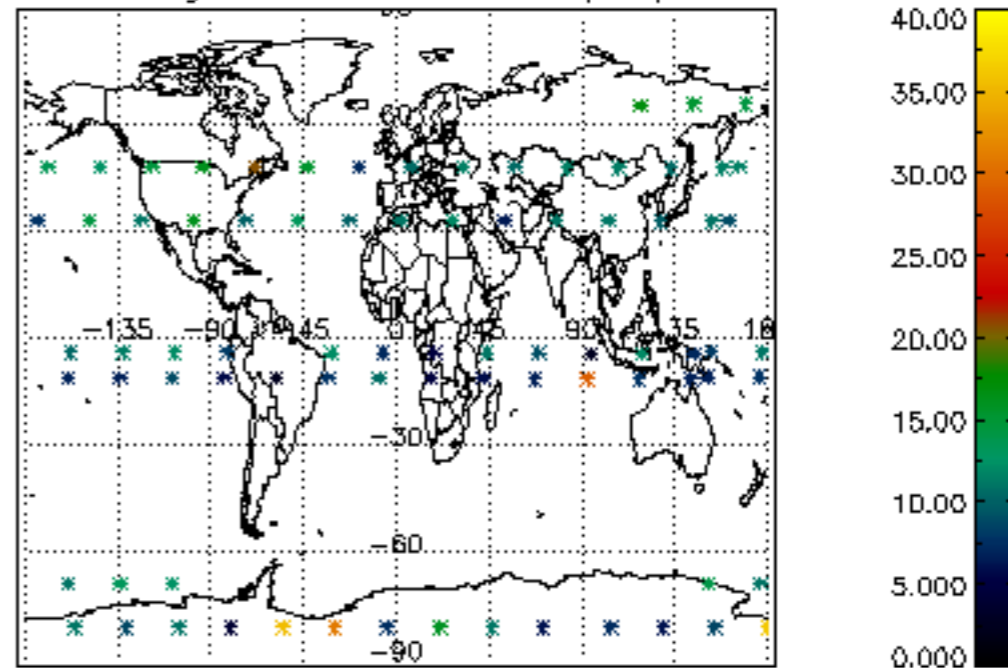
Percentage of datation errors per profile

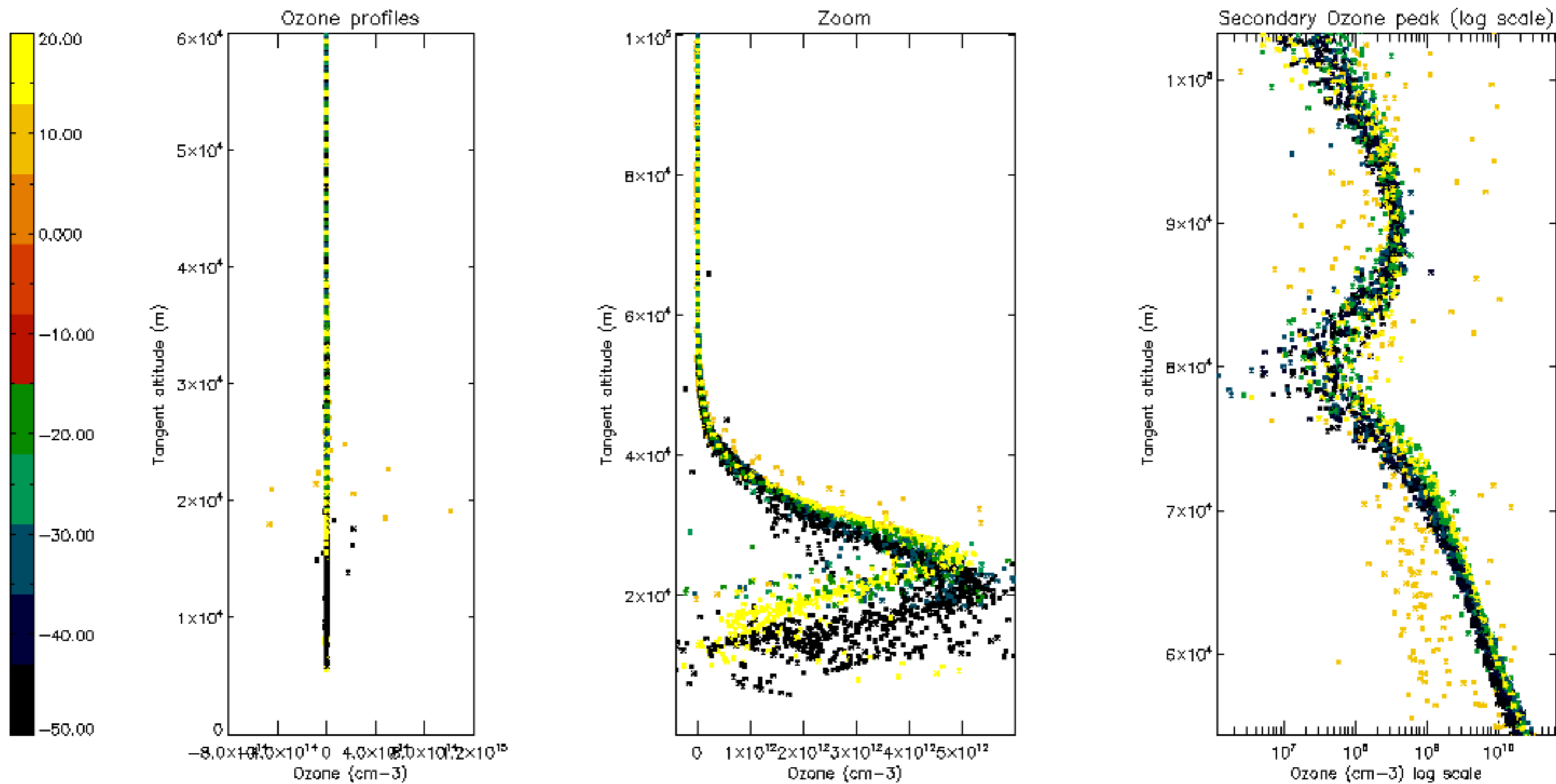


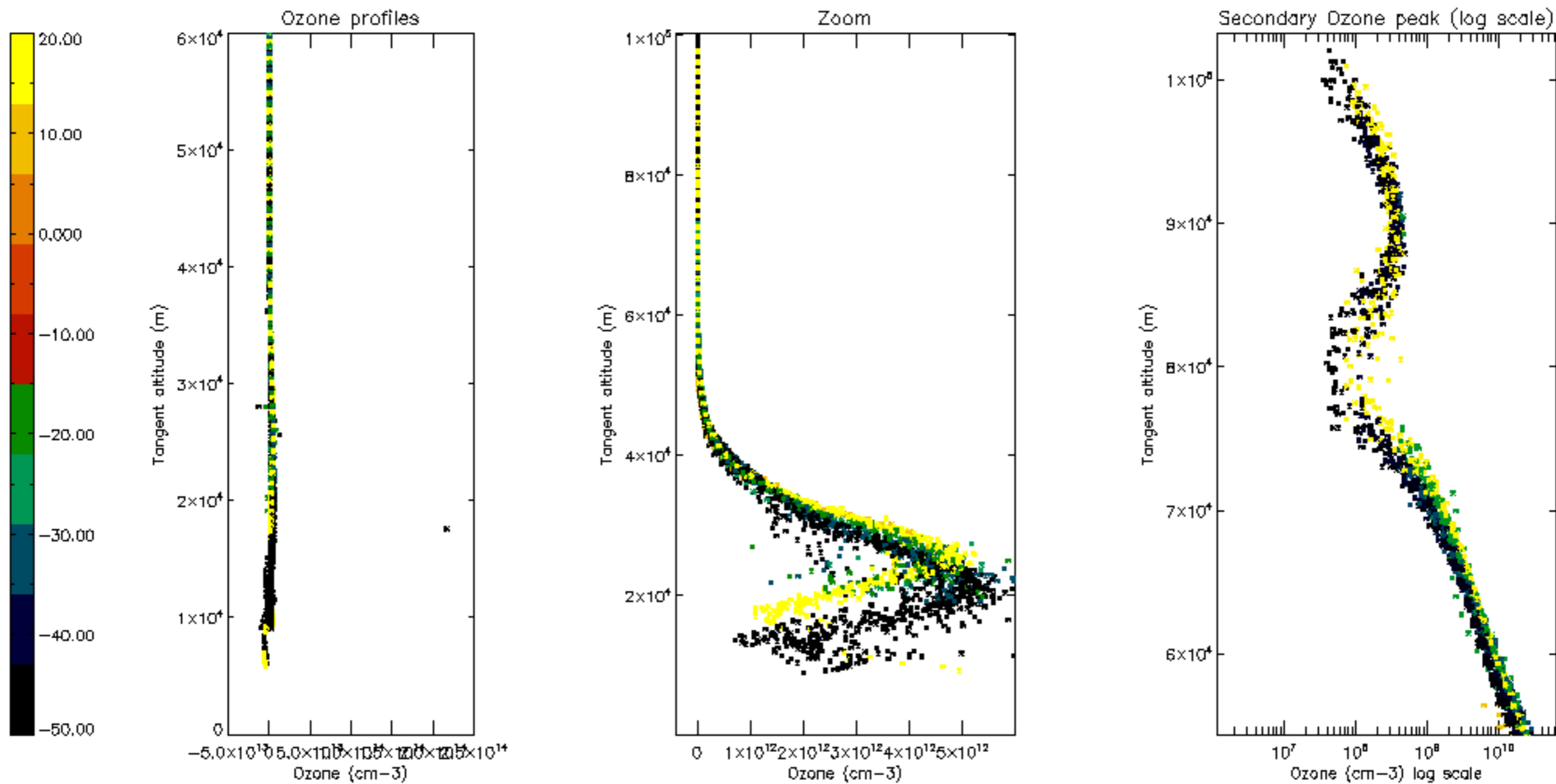
Percentage of star falling outside central band per profile

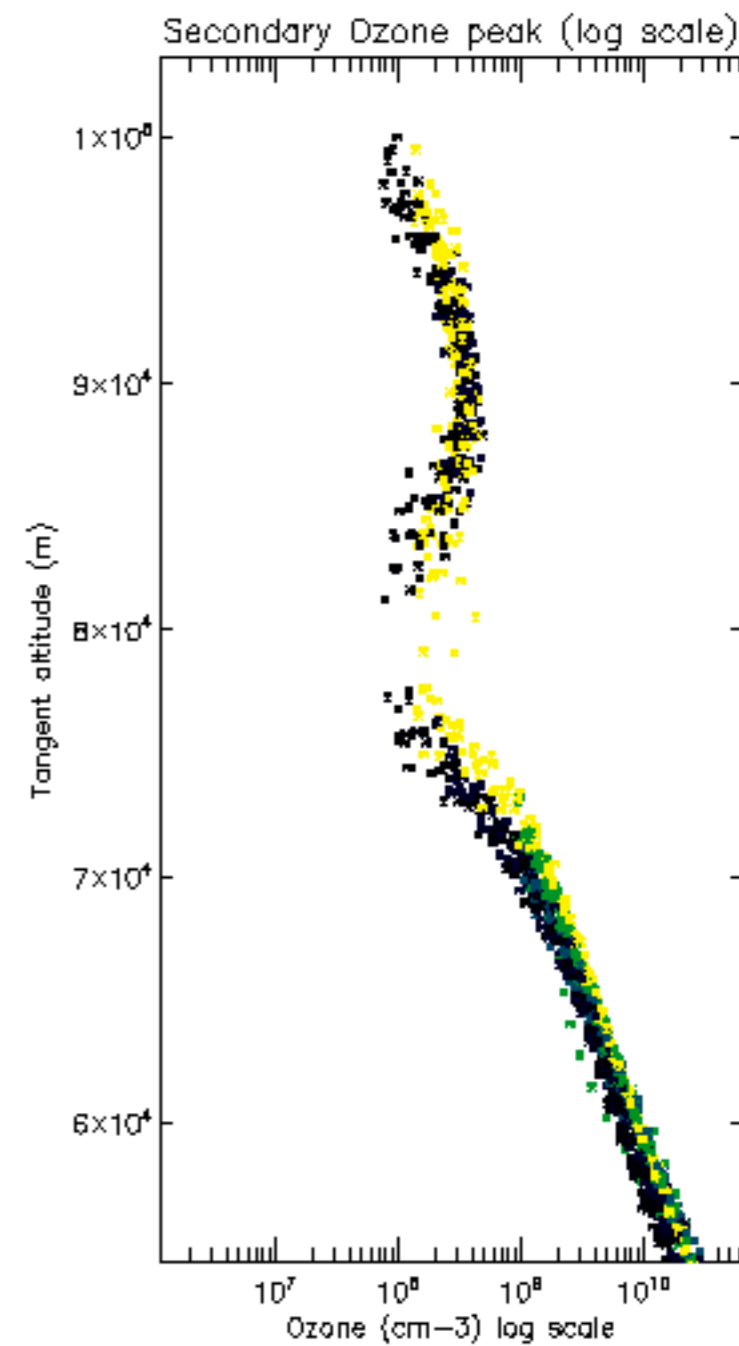
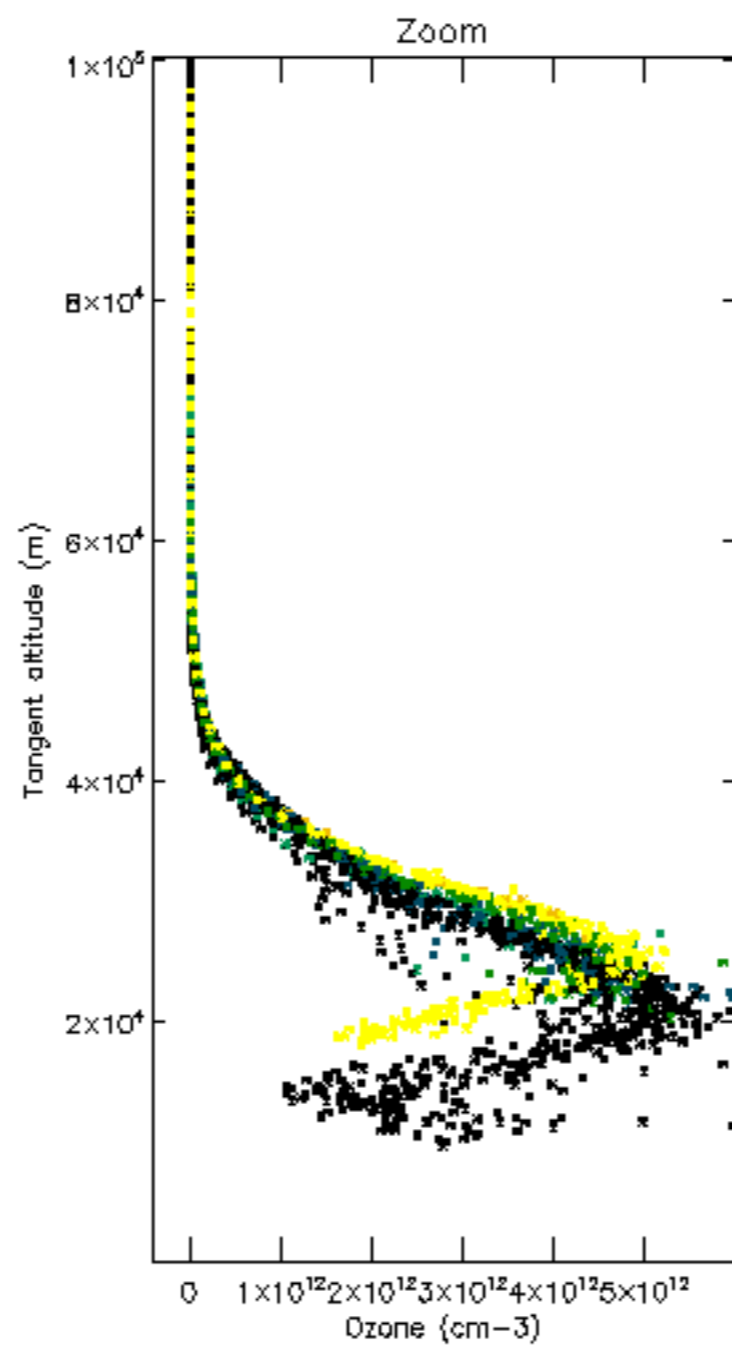
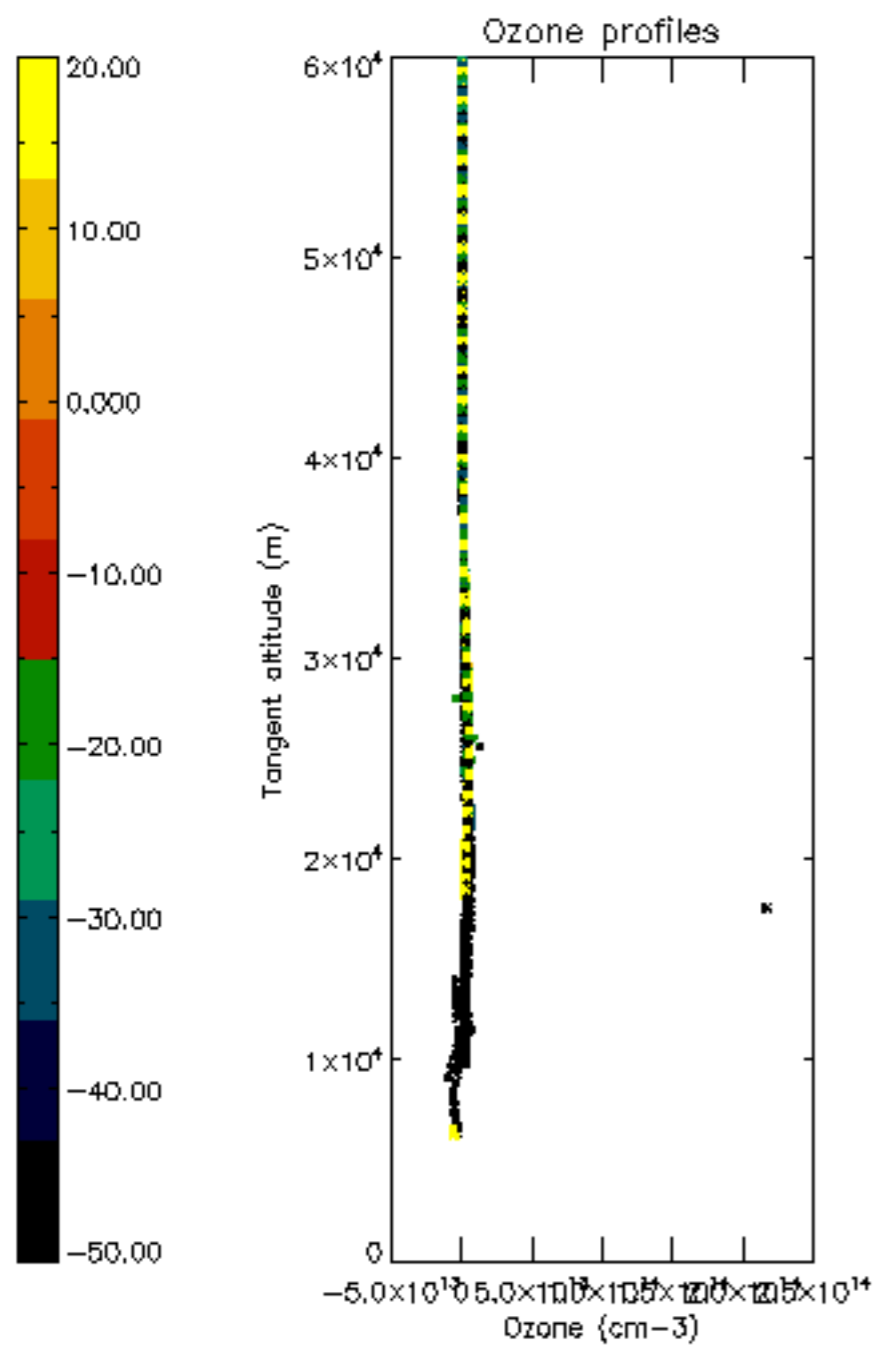


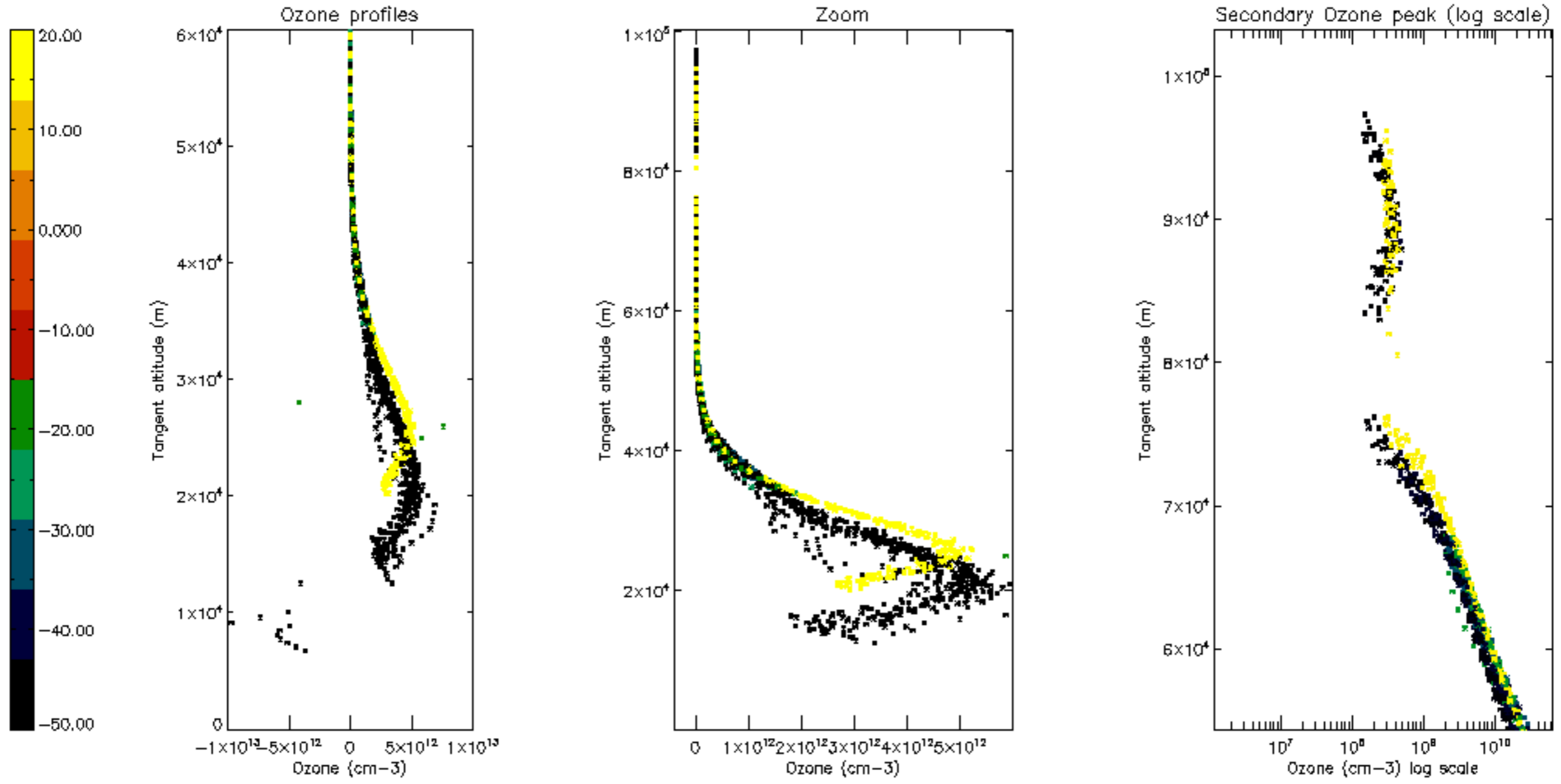
Percentage of saturation errors per profile

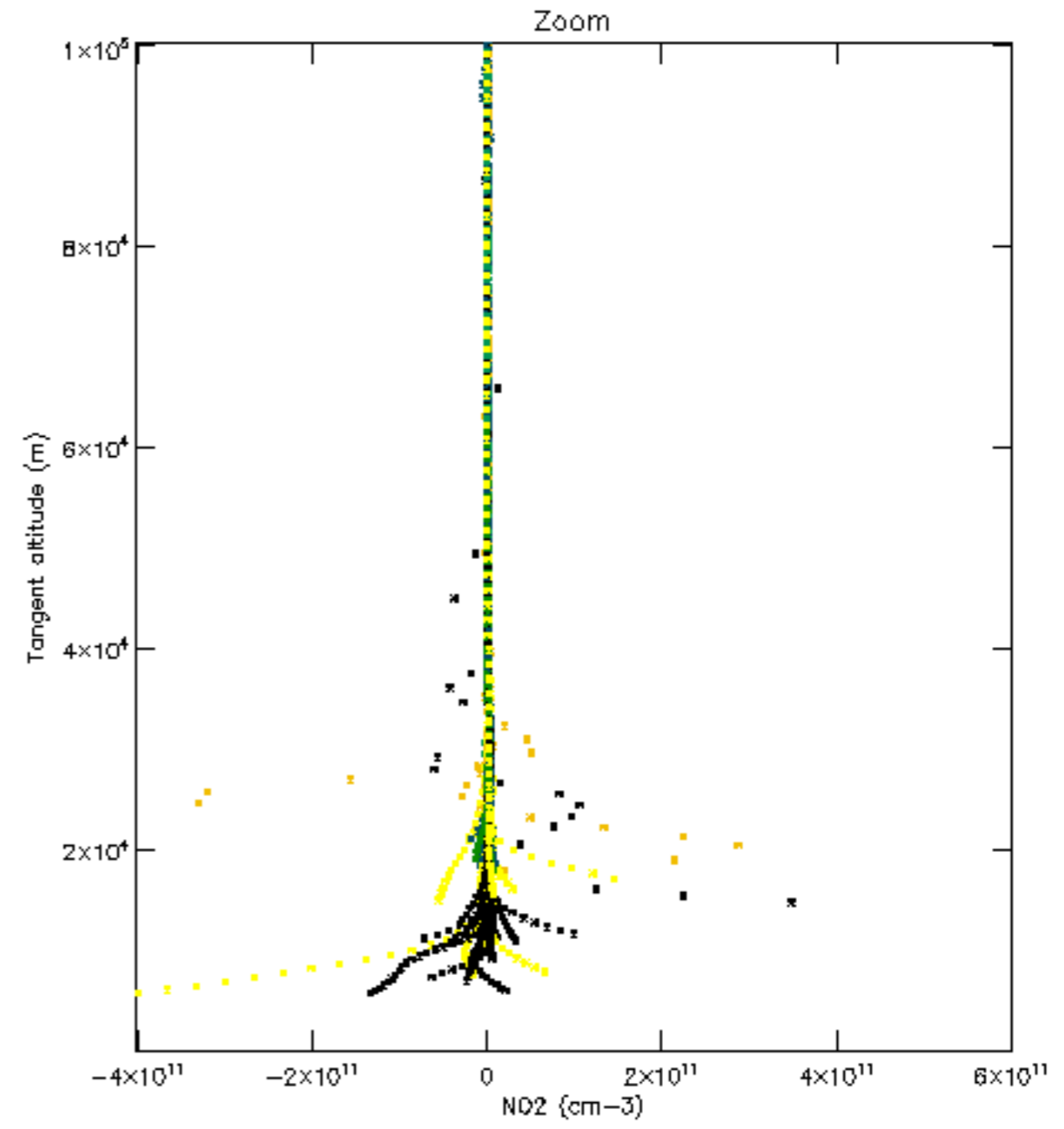
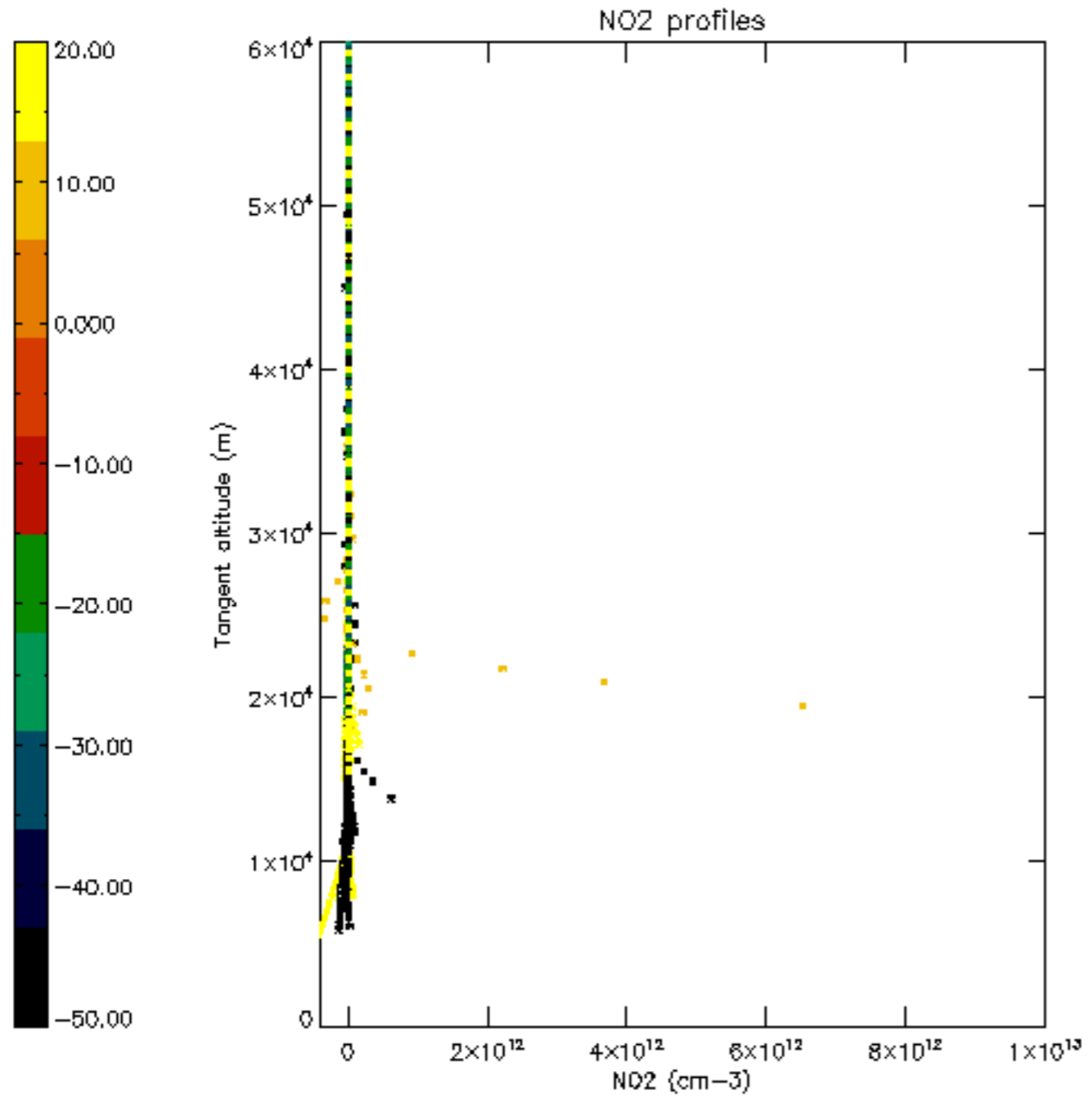


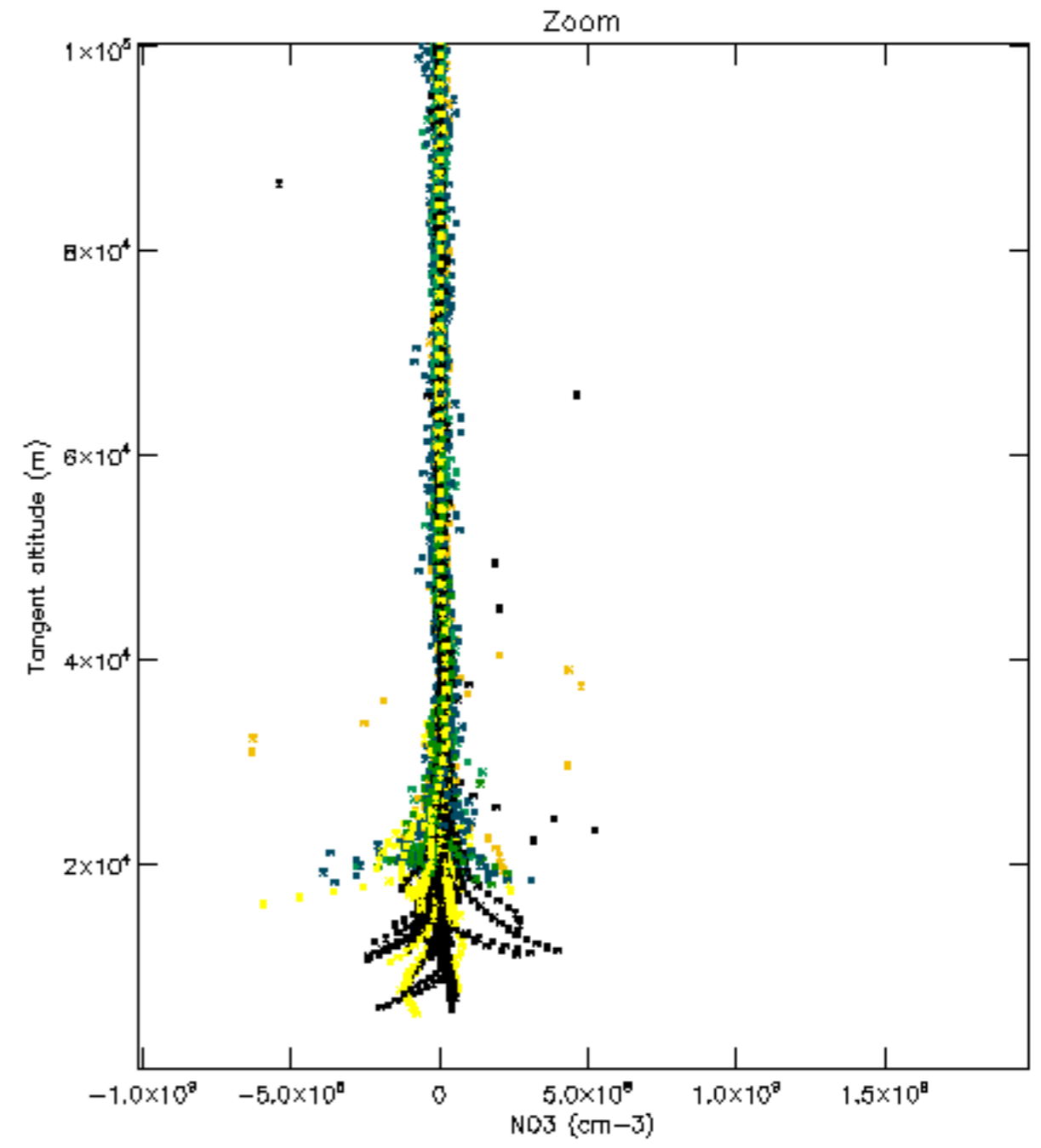
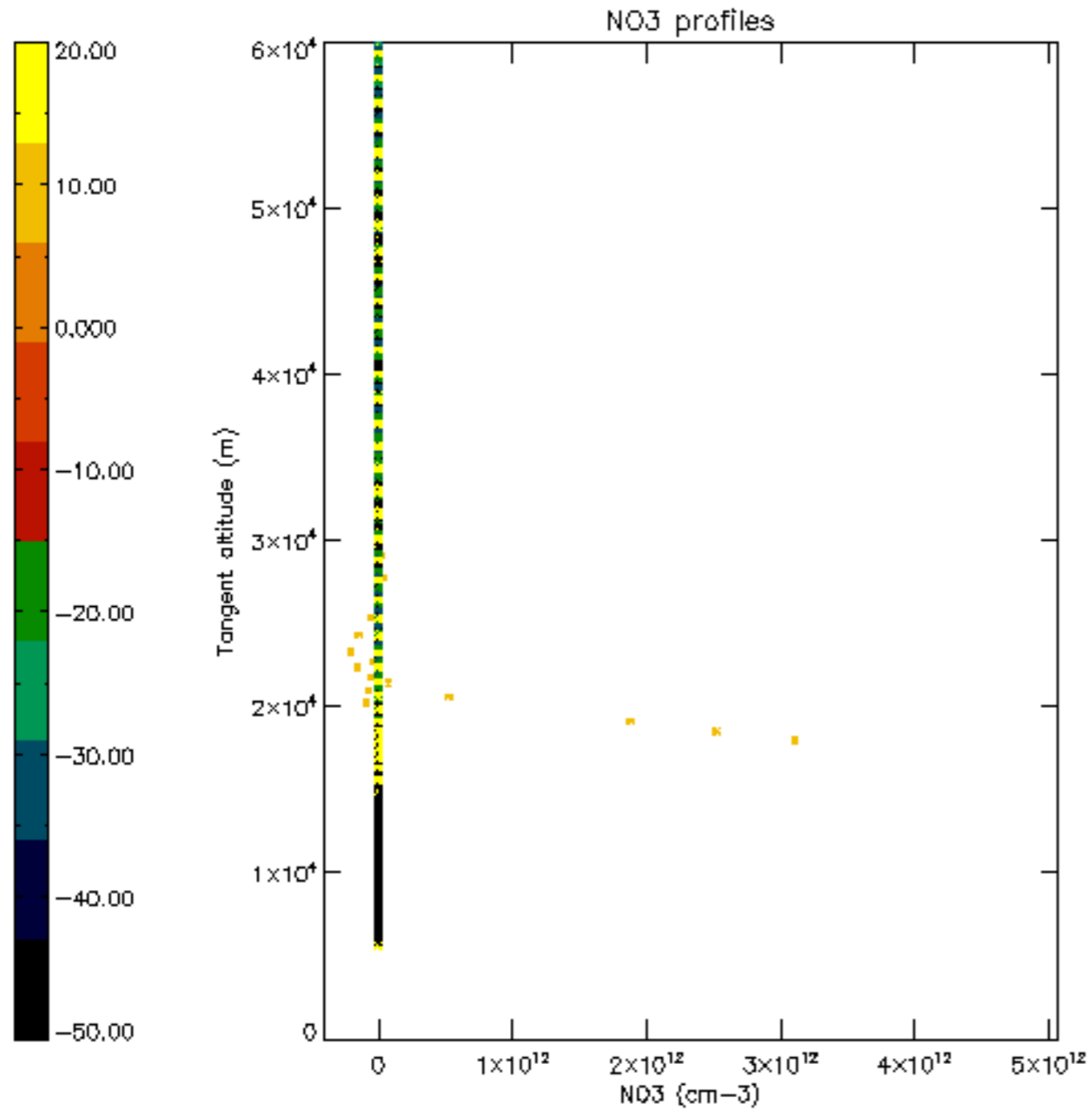




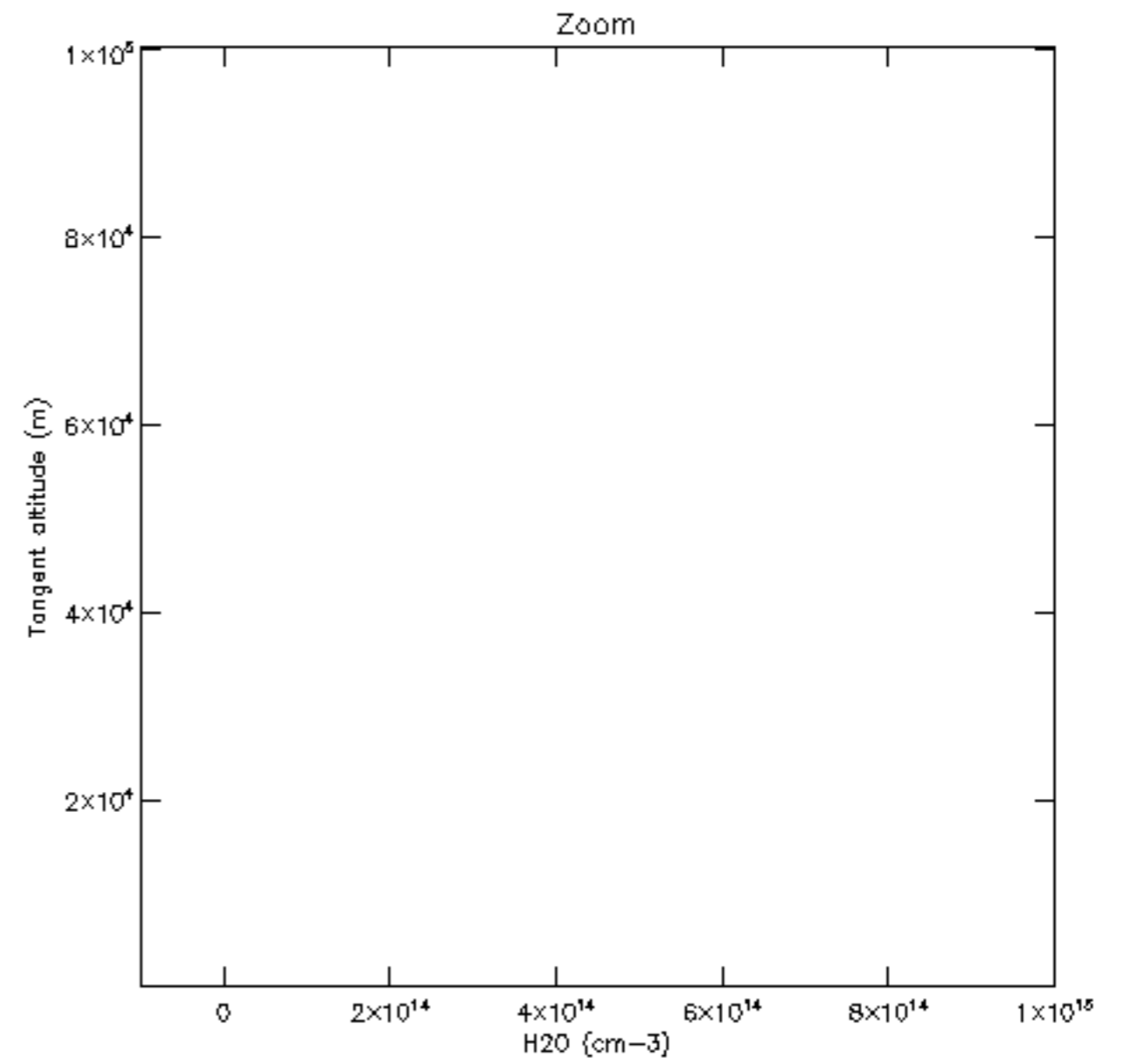
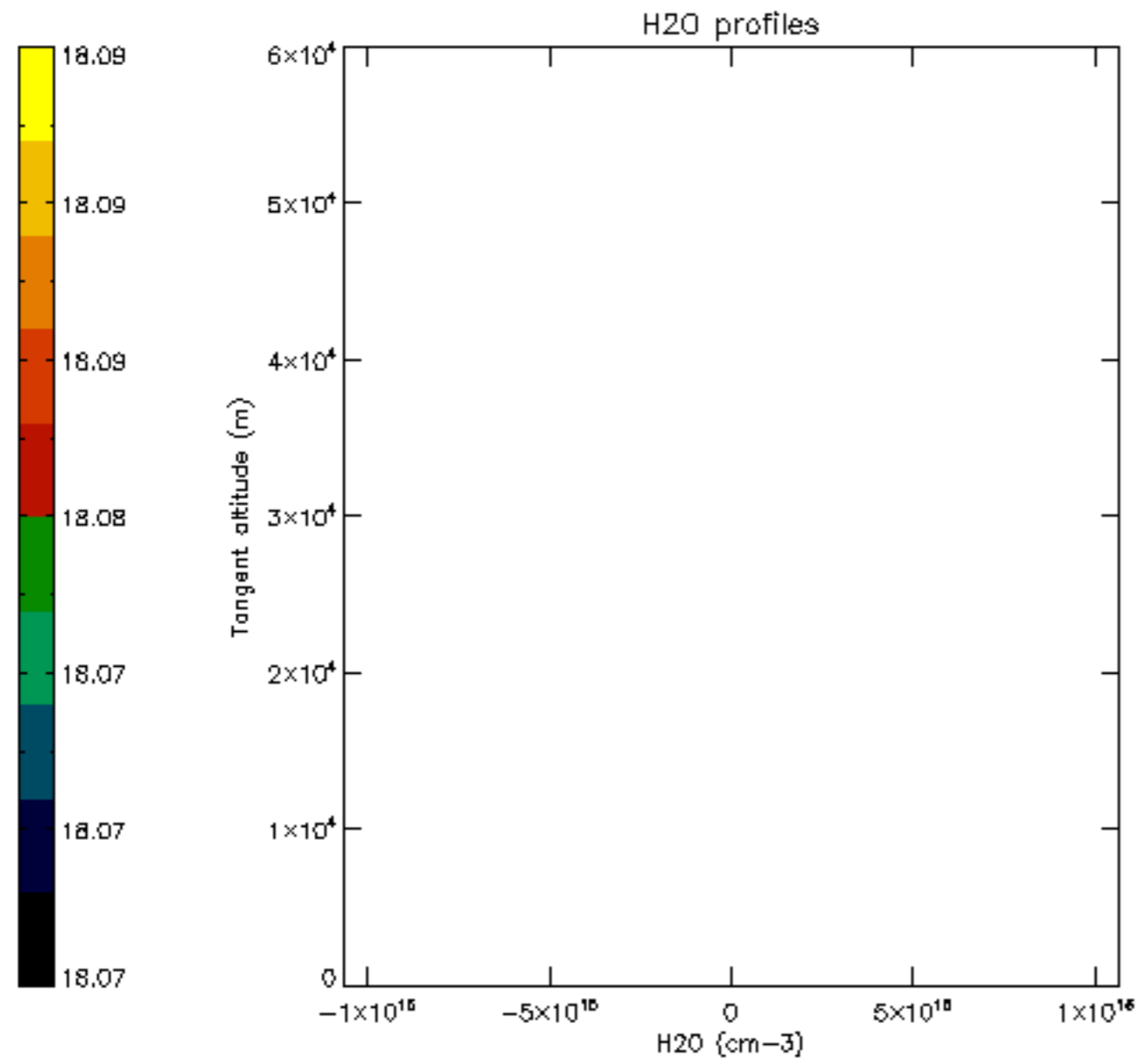


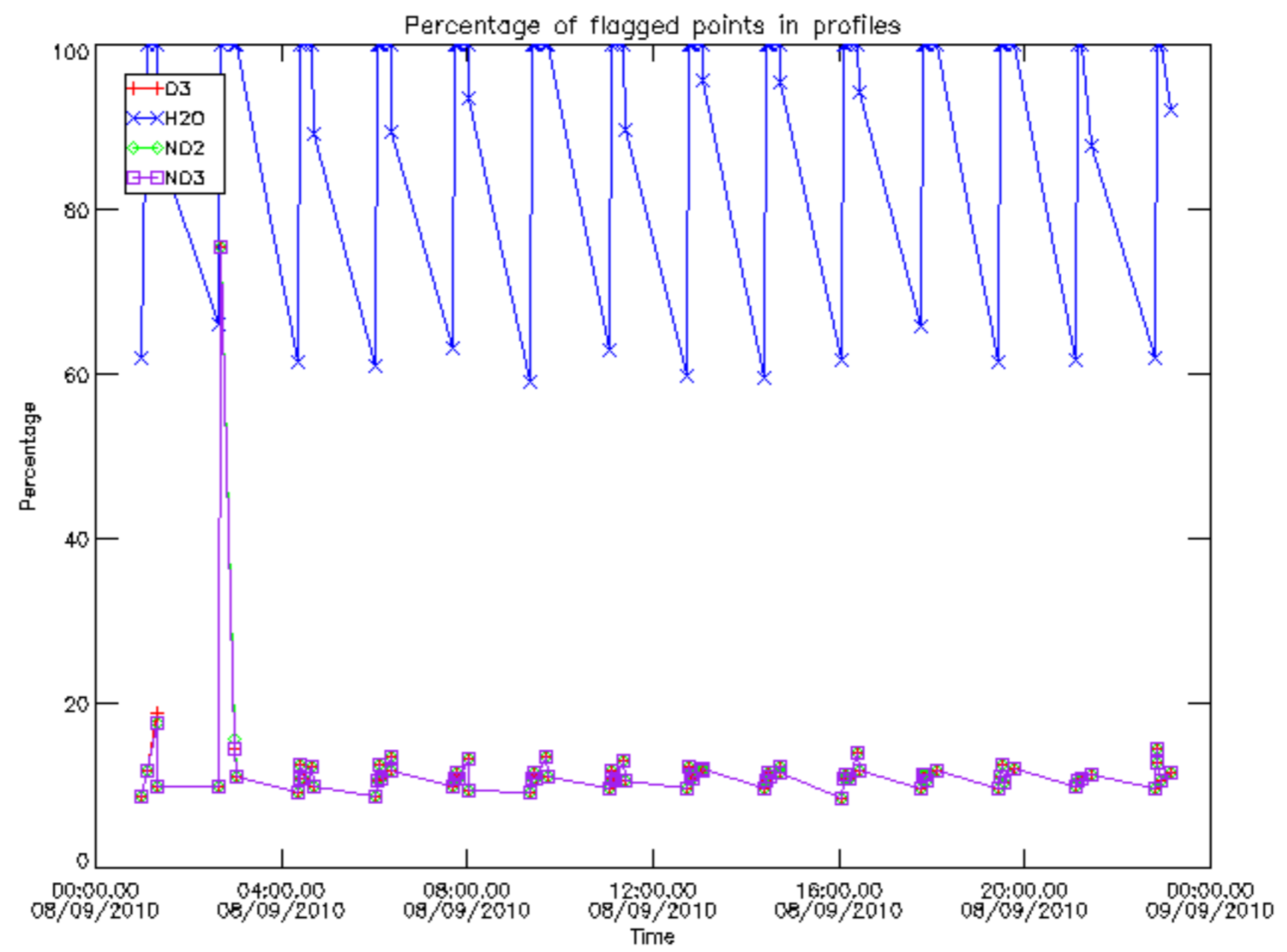




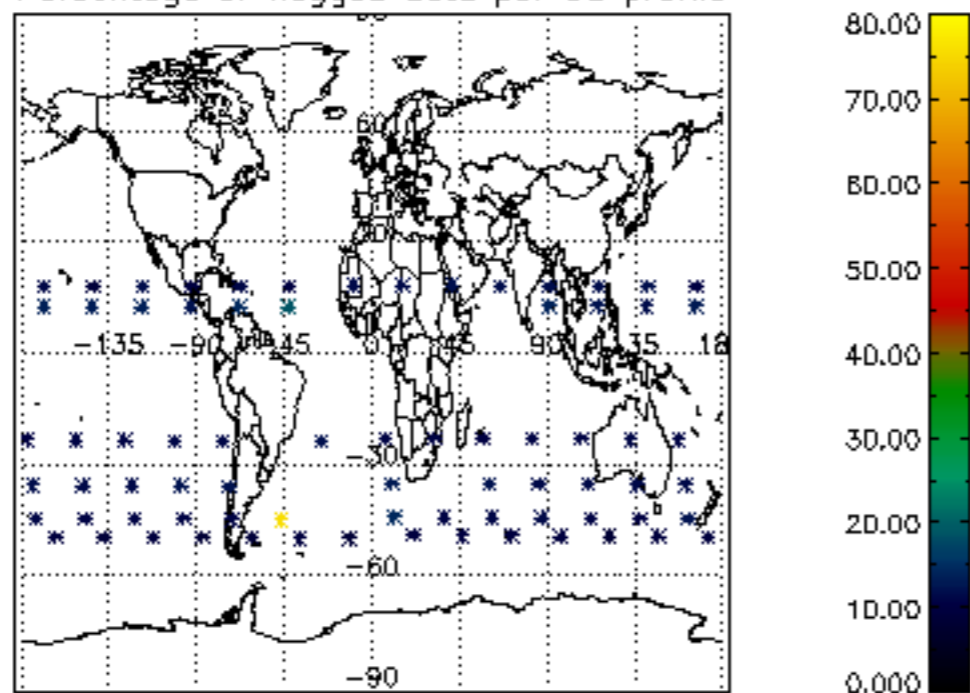




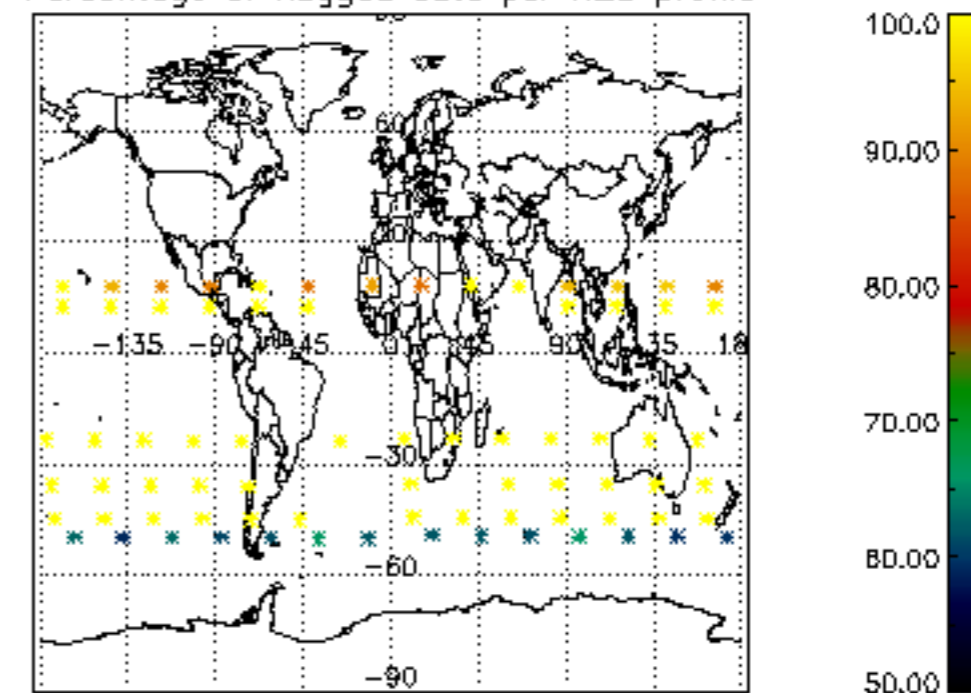




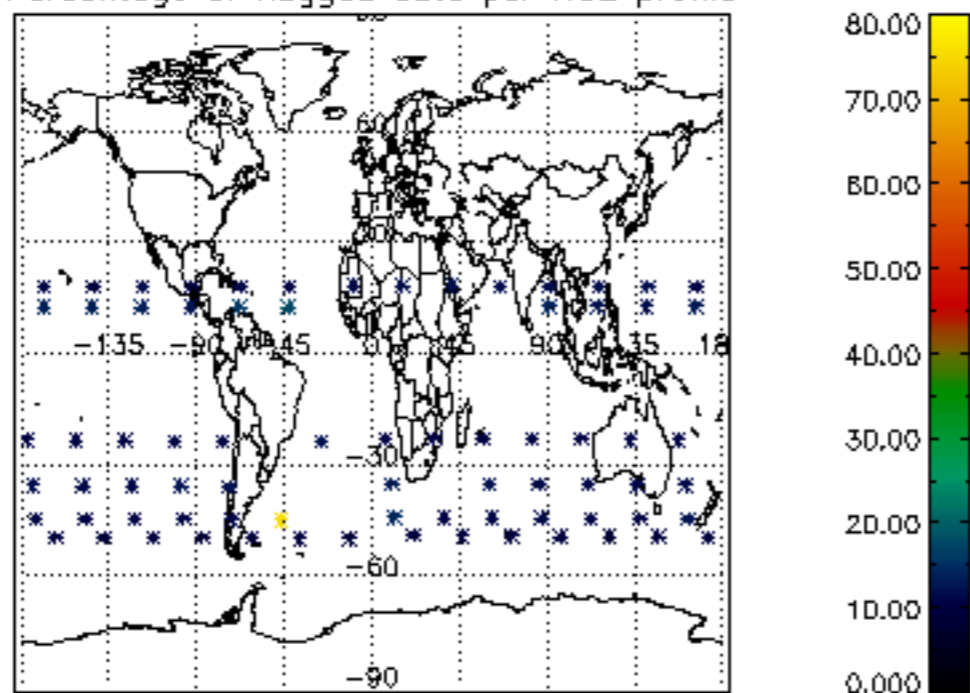
Percentage of flagged data per D3 profile



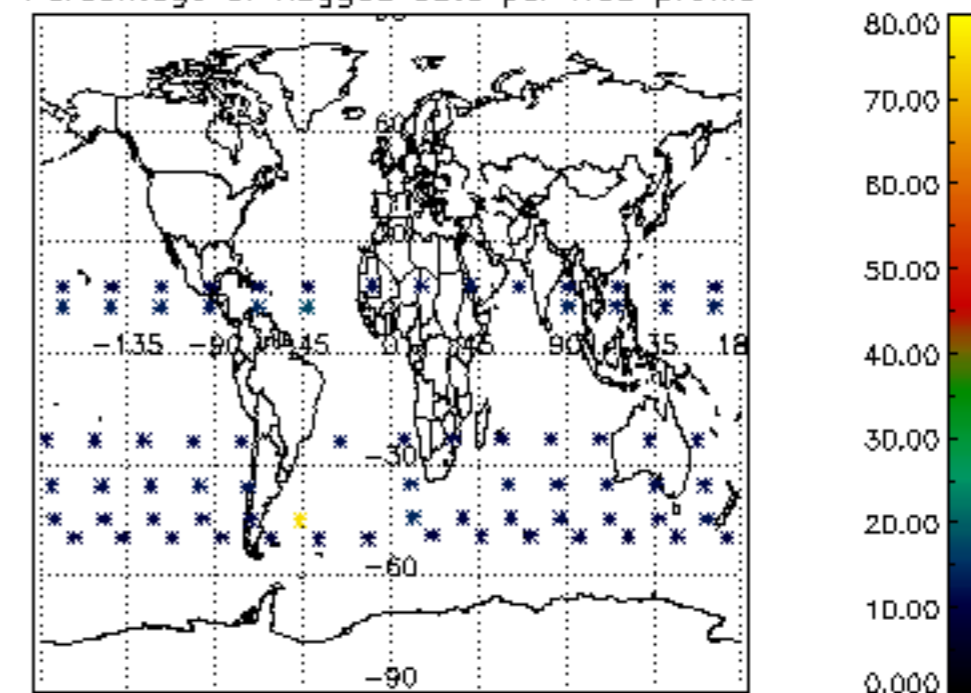
Percentage of flagged data per H2O profile

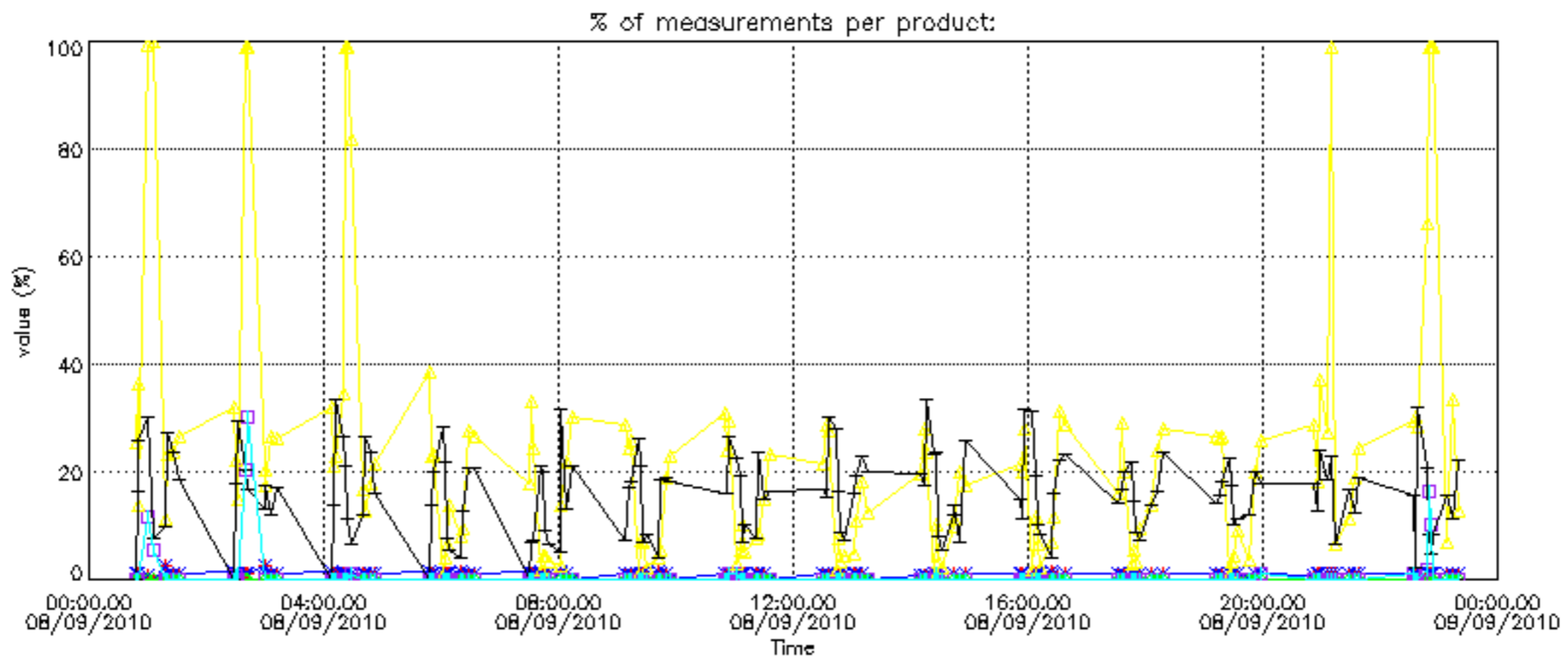


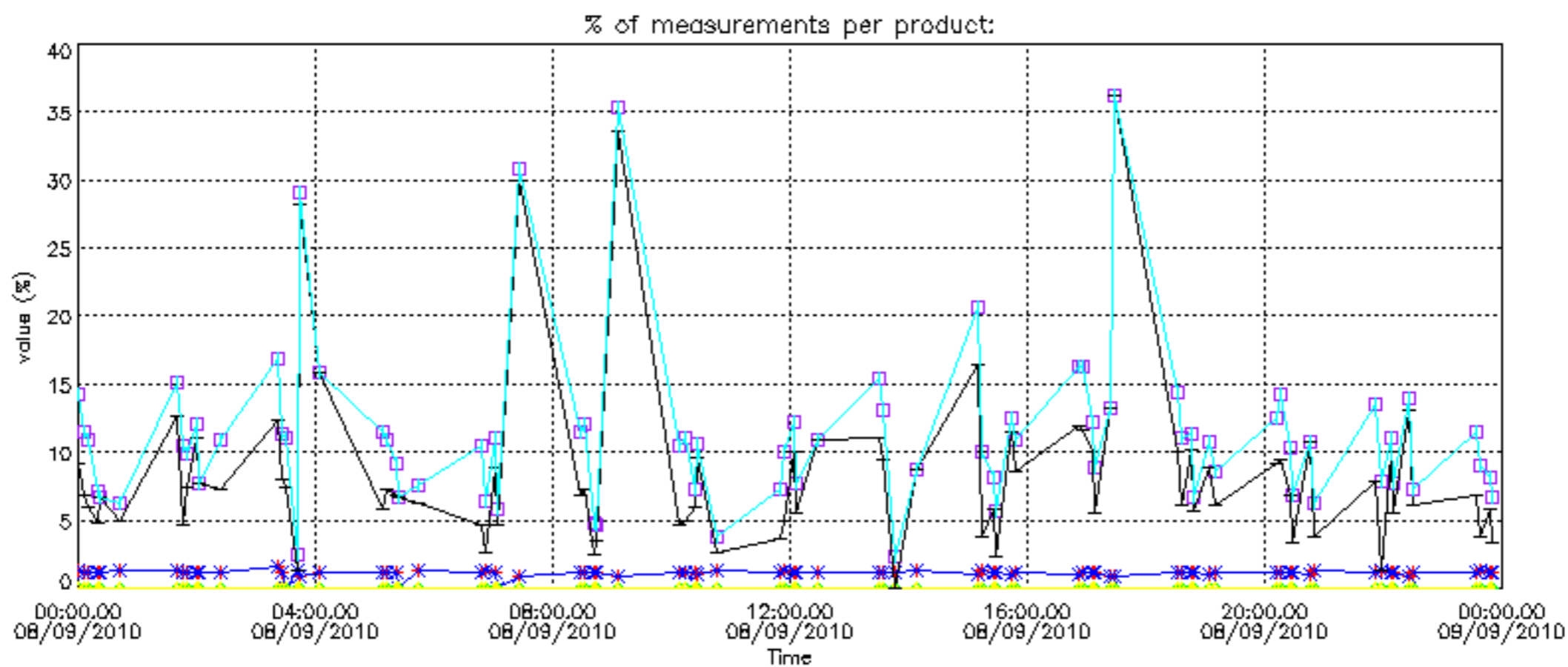
Percentage of flagged data per NO2 profile



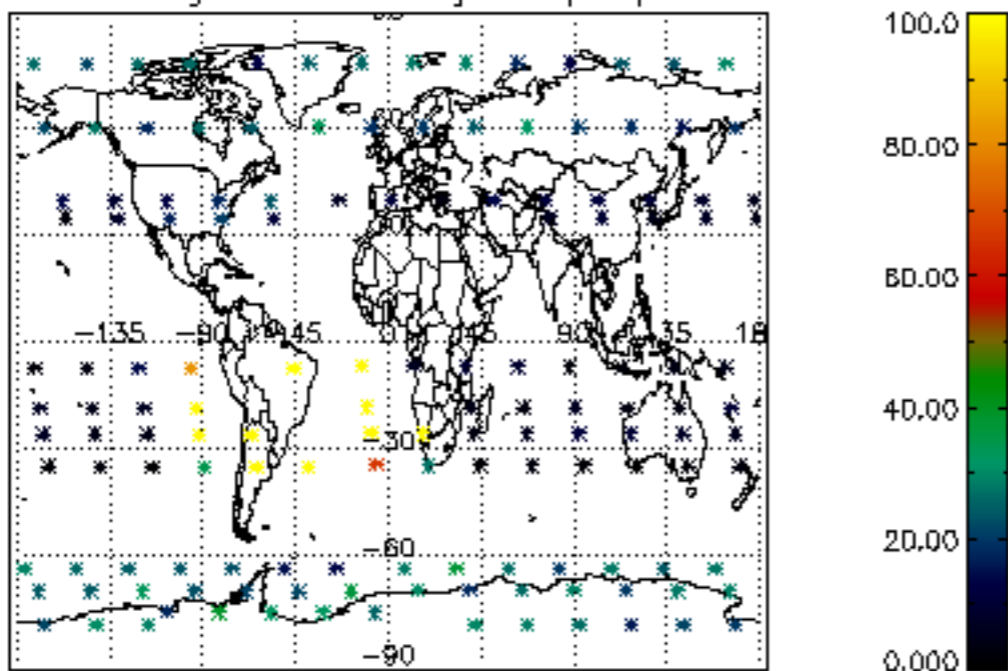
Percentage of flagged data per NO3 profile



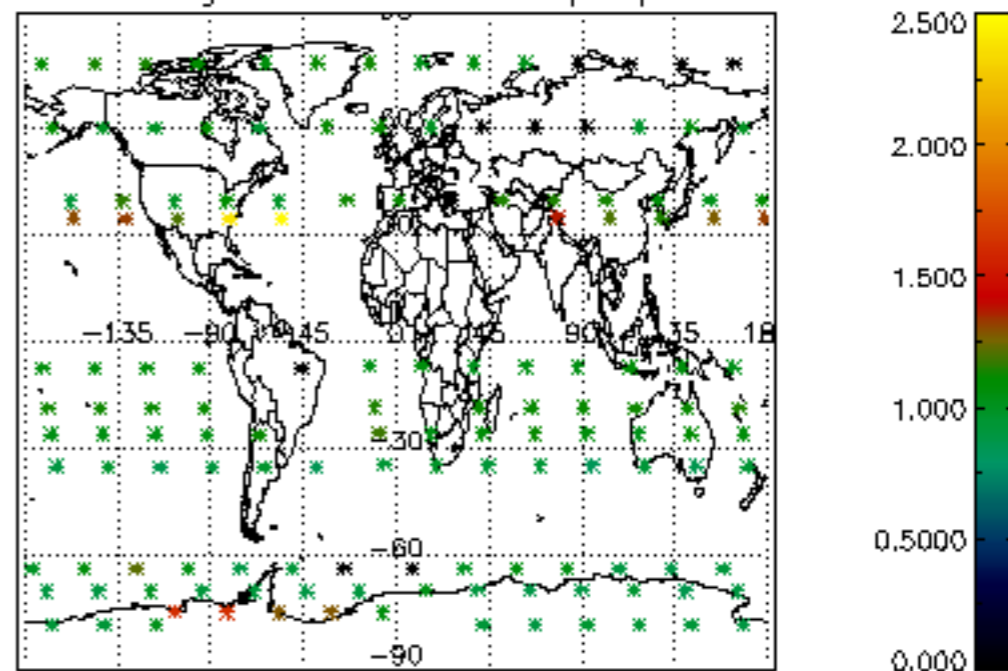




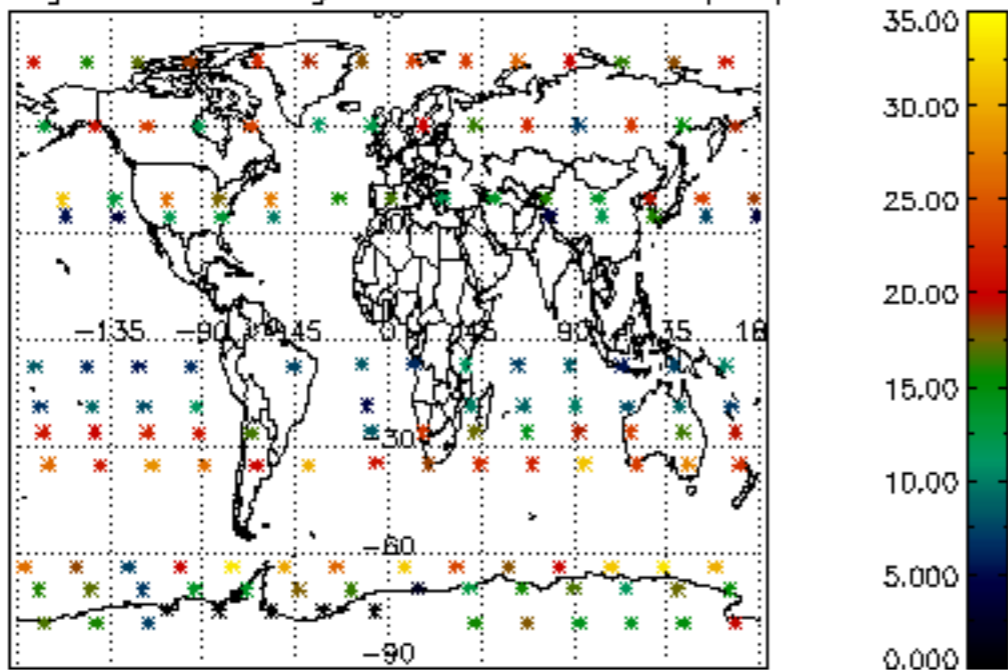
Percentage of cosmic ray hits per profile



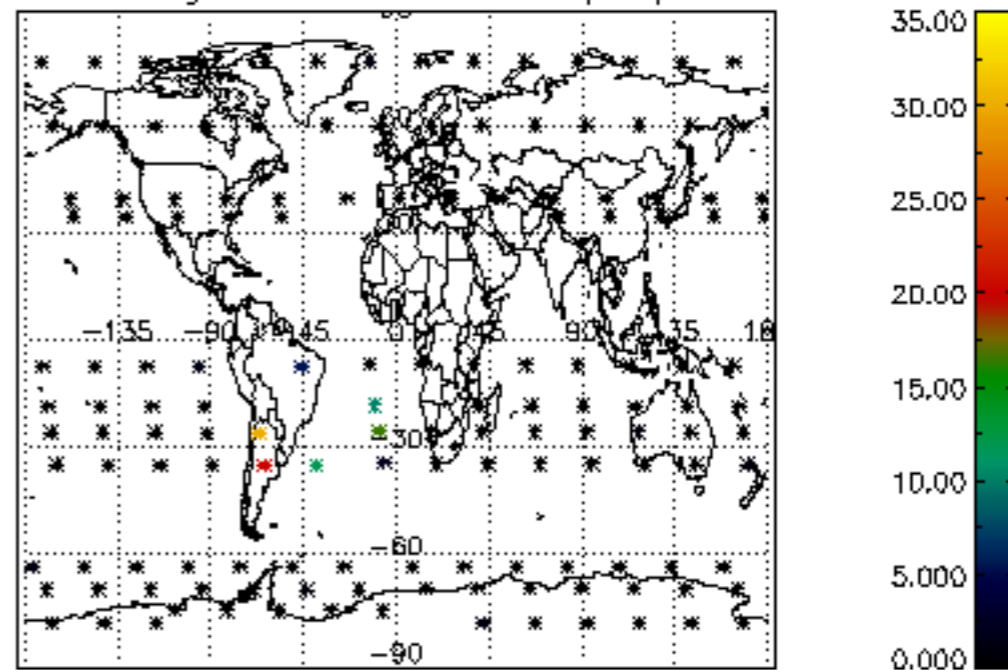
Percentage of datation errors per profile



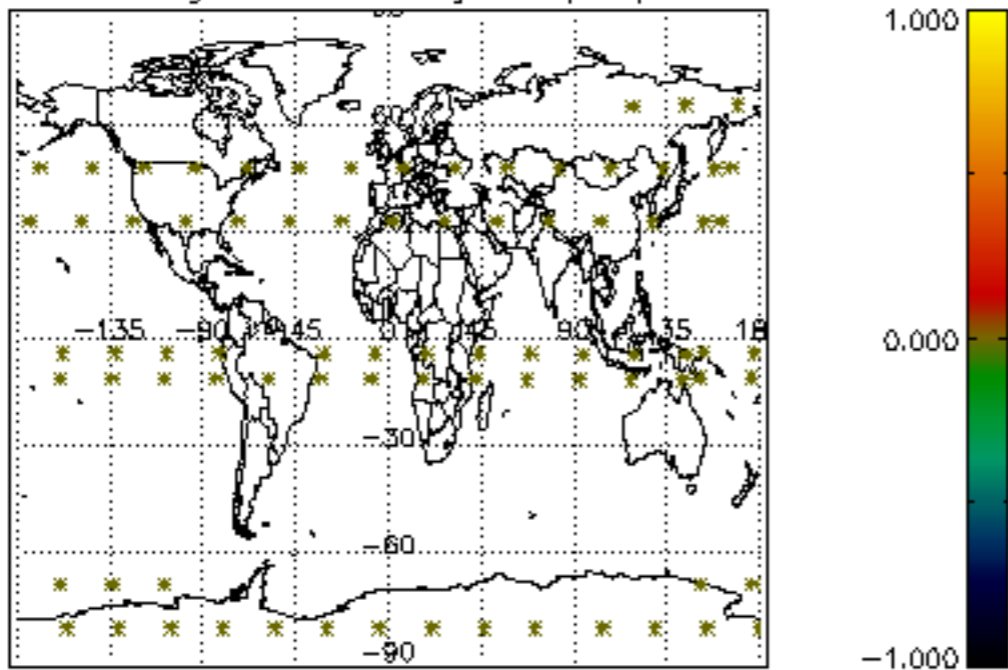
Percentage of star falling outside central band per profile



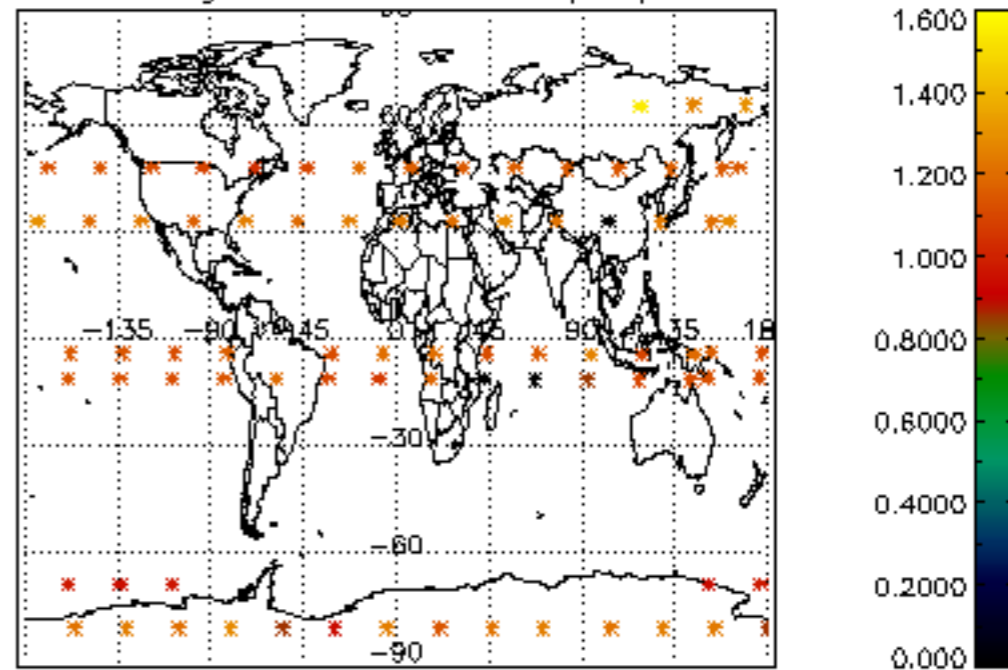
Percentage of saturation errors per profile



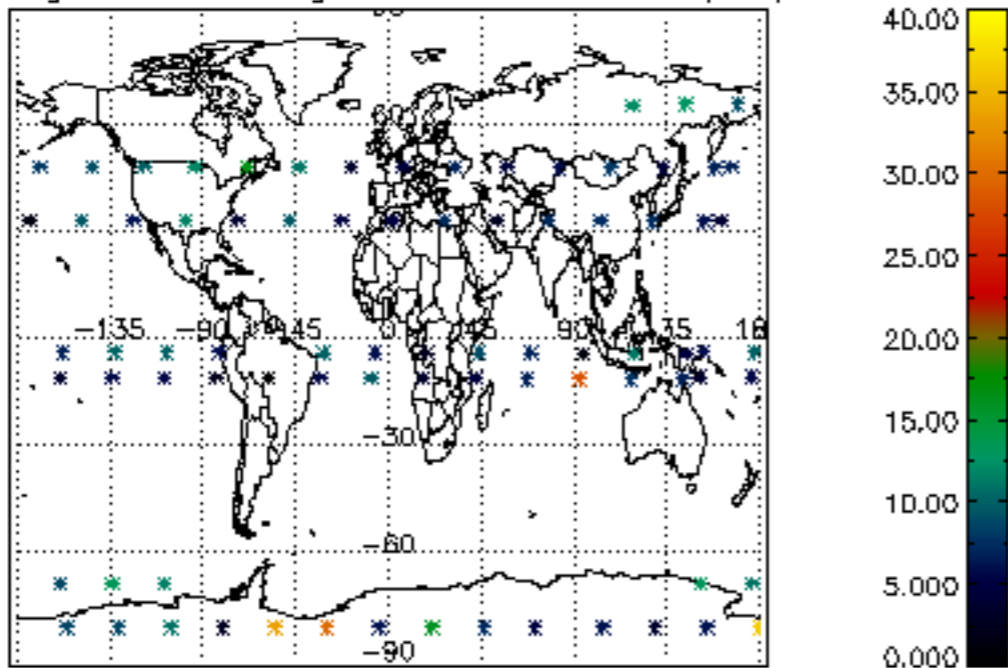
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

