

# GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	26APR2013 10:07:05
Data source version	GOMOS/6.01
Start time of products	12-06-2009 (12JUN2009 00:00:00)
Stop time of products	13-06-2009 (13JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	175
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__2PRFIN20090612_000740_000000452079_00446_38075_2482.N1	12-JUN-2009 00:07:40	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38075	No
2	GOM_NL__2PRFIN20090612_000938_000000342079_00446_38075_2483.N1	12-JUN-2009 00:09:38	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38075	No
3	GOM_NL__2PRFIN20090612_001140_000000352079_00446_38075_2484.N1	12-JUN-2009 00:11:40	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38075	No
4	GOM_NL__2PRFIN20090612_001315_000000432079_00446_38075_2485.N1	12-JUN-2009 00:13:15	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38075	No
5	GOM_NL__2PRFIN20090612_002541_000000312079_00446_38075_2486.N1	12-JUN-2009 00:25:41	Twilight	30.500	38	20Eps Sgr	1.8360	11000.	61	38075	No
6	GOM_NL__2PRFIN20090612_002740_000000362079_00446_38075_2487.N1	12-JUN-2009 00:27:40	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38075	No
7	GOM_NL__2PRFIN20090612_003940_000000342079_00446_38075_2488.N1	12-JUN-2009 00:39:40	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38075	No
8	GOM_NL__2PRFIN20090612_004216_000000332079_00446_38075_2489.N1	12-JUN-2009 00:42:16	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38075	No
9	GOM_NL__2PRFIN20090612_005409_000000302079_00446_38075_2490.N1	12-JUN-2009 00:54:09	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38075	No
10	GOM_NL__2PRFIN20090612_010447_000000322079_00446_38075_2491.N1	12-JUN-2009 01:04:47	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38075	No
11	GOM_NL__2PRFIN20090612_011053_000000262079_00446_38075_2492.N1	12-JUN-2009 01:10:53	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38075	No
12	GOM_NL__2PRFIN20090612_011925_000000242079_00446_38075_2493.N1	12-JUN-2009 01:19:25	Twilight	24.000	53	43Bet And	2.0480	3300.0	48	38075	No
13	GOM_NL__2PRFIN20090612_013748_000000322079_00446_38075_2494.N1	12-JUN-2009 01:37:48	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38075	No
14	GOM_NL__2PRFIN20090612_014818_000000452079_00447_38076_2498.N1	12-JUN-2009 01:48:18	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38076	No
15	GOM_NL__2PRFIN20090612_015015_000000352079_00447_38076_2499.N1	12-JUN-2009 01:50:15	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38076	No
16	GOM_NL__2PRFIN20090612_015217_000000352079_00447_38076_2500.N1	12-JUN-2009 01:52:17	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38076	No
17	GOM_NL__2PRFIN20090612_015352_000000432079_00447_38076_2501.N1	12-JUN-2009 01:53:52	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38076	No
18	GOM_NL__2PRFIN20090612_020617_000000312079_00447_38076_2502.N1	12-JUN-2009 02:06:17	Twilight	30.500	38	20Eps Sgr	1.8360	11000.	61	38076	No
19	GOM_NL__2PRFIN20090612_020817_000000362079_00447_38076_2503.N1	12-JUN-2009 02:08:17	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38076	No
20	GOM_NL__2PRFIN20090612_022016_000000342079_00447_38076_2504.N1	12-JUN-2009 02:20:16	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38076	No
21	GOM_NL__2PRFIN20090612_022251_000000332079_00447_38076_2505.N1	12-JUN-2009 02:22:51	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38076	No
22	GOM_NL__2PRFIN20090612_023444_000000302079_00447_38076_2506.N1	12-JUN-2009 02:34:44	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38076	No
23	GOM_NL__2PRFIN20090612_024522_000000312079_00447_38076_2507.N1	12-JUN-2009 02:45:22	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	38076	No
24	GOM_NL__2PRFIN20090612_025129_000000262079_00447_38076_2508.N1	12-JUN-2009 02:51:29	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38076	No
25	GOM_NL__2PRFIN20090612_030001_000000252079_00447_38076_2509.N1	12-JUN-2009 03:00:01	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38076	No
26	GOM_NL__2PRFIN20090612_031825_000000322079_00447_38076_2510.N1	12-JUN-2009 03:18:25	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38076	No
27	GOM_NL__2PRFIN20090612_032855_000000452079_00448_38077_2532.N1	12-JUN-2009 03:28:55	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38077	No
28	GOM_NL__2PRFIN20090612_033052_000000342079_00448_38077_2533.N1	12-JUN-2009 03:30:52	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38077	No
29	GOM_NL__2PRFIN20090612_033254_000000352079_00448_38077_2534.N1	12-JUN-2009 03:32:54	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38077	No
30	GOM_NL__2PRFIN20090612_033430_000000432079_00448_38077_2535.N1	12-JUN-2009 03:34:30	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38077	No
31	GOM_NL__2PRFIN20090612_034654_000000302079_00448_38077_2536.N1	12-JUN-2009 03:46:54	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38077	No
32	GOM_NL__2PRFIN20090612_034853_000000362079_00448_38077_2537.N1	12-JUN-2009 03:48:53	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38077	No
33	GOM_NL__2PRFIN20090612_040051_000000342079_00448_38077_2538.N1	12-JUN-2009 04:00:51	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38077	No
34	GOM_NL__2PRFIN20090612_040327_000000332079_00448_38077_2539.N1	12-JUN-2009 04:03:27	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38077	No
35	GOM_NL__2PRFIN20090612_041520_000000302079_00448_38077_2540.N1	12-JUN-2009 04:15:20	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38077	No
36	GOM_NL__2PRFIN20090612_042558_000000312079_00448_38077_2541.N1	12-JUN-2009 04:25:58	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	38077	No
37	GOM_NL__2PRFIN20090612_043204_000000262079_00448_38077_2542.N1	12-JUN-2009 04:32:04	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38077	No
38	GOM_NL__2PRFIN20090612_044037_000000252079_00448_38077_2543.N1	12-JUN-2009 04:40:37	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38077	No
39	GOM_NL__2PRFIN20090612_045902_000000322079_00448_38077_2544.N1	12-JUN-2009 04:59:02	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38077	No
40	GOM_NL__2PRFIN20090612_050933_000000452079_00449_38078_2546.N1	12-JUN-2009 05:09:33	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38078	No
41	GOM_NL__2PRFIN20090612_051129_000000342079_00449_38078_2547.N1	12-JUN-2009 05:11:29	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38078	No
42	GOM_NL__2PRFIN20090612_051331_000000352079_00449_38078_2548.N1	12-JUN-2009 05:13:31	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38078	No

43	GOM_NL__2PRFIN20090612_051507_000000432079_00449_38078_2549.N1	12-JUN-2009 05:15:07	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38078	No
44	GOM_NL__2PRFIN20090612_052731_000000302079_00449_38078_2550.N1	12-JUN-2009 05:27:31	Tw_i_and_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38078	No
45	GOM_NL__2PRFIN20090612_052930_000000362079_00449_38078_2551.N1	12-JUN-2009 05:29:30	Tw_i_and_stray	36.000	57	34Sig Sgr	2.0660	26000.	72	38078	No
46	GOM_NL__2PRFIN20090612_054127_000000332079_00449_38078_2552.N1	12-JUN-2009 05:41:27	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38078	No
47	GOM_NL__2PRFIN20090612_054402_000000332079_00449_38078_2553.N1	12-JUN-2009 05:44:02	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38078	No
48	GOM_NL__2PRFIN20090612_055555_000000302079_00449_38078_2554.N1	12-JUN-2009 05:55:55	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38078	No
49	GOM_NL__2PRFIN20090612_060633_000000312079_00449_38078_2555.N1	12-JUN-2009 06:06:33	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	38078	No
50	GOM_NL__2PRFIN20090612_061240_000000262079_00449_38078_2556.N1	12-JUN-2009 06:12:40	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38078	No
51	GOM_NL__2PRFIN20090612_062113_000000252079_00449_38078_2557.N1	12-JUN-2009 06:21:13	Tw_i_and_stray	24.500	53	43Bet And	2.0480	3300.0	49	38078	No
52	GOM_NL__2PRFIN20090612_063939_000000322079_00449_38078_2558.N1	12-JUN-2009 06:39:39	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38078	No
53	GOM_NL__2PRFIN20090612_083048_000000452079_00451_38080_2573.N1	12-JUN-2009 08:30:48	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38080	No
54	GOM_NL__2PRFIN20090612_083242_000000342079_00451_38080_2574.N1	12-JUN-2009 08:32:42	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38080	No
55	GOM_NL__2PRFIN20090612_083445_000000352079_00451_38080_2575.N1	12-JUN-2009 08:34:45	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38080	No
56	GOM_NL__2PRFIN20090612_083622_000000432079_00451_38080_2576.N1	12-JUN-2009 08:36:22	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38080	No
57	GOM_NL__2PRFIN20090612_084843_000000312079_00451_38080_2577.N1	12-JUN-2009 08:48:43	Tw_i_and_stray	30.500	38	20Eps Sgr	1.8360	11000.	61	38080	No
58	GOM_NL__2PRFIN20090612_085042_000000352079_00451_38080_2578.N1	12-JUN-2009 08:50:42	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38080	No
59	GOM_NL__2PRFIN20090612_090238_000000342079_00451_38080_2579.N1	12-JUN-2009 09:02:38	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38080	No
60	GOM_NL__2PRFIN20090612_090514_000000332079_00451_38080_2580.N1	12-JUN-2009 09:05:14	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38080	No
61	GOM_NL__2PRFIN20090612_091706_000000302079_00451_38080_2581.N1	12-JUN-2009 09:17:06	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38080	No
62	GOM_NL__2PRFIN20090612_092743_000000322079_00451_38080_2582.N1	12-JUN-2009 09:27:43	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38080	No
63	GOM_NL__2PRFIN20090612_093351_000000262079_00451_38080_2583.N1	12-JUN-2009 09:33:51	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38080	No
64	GOM_NL__2PRFIN20090612_094225_000000252079_00451_38080_2584.N1	12-JUN-2009 09:42:25	Tw_i_and_stray	24.500	53	43Bet And	2.0480	3300.0	49	38080	No
65	GOM_NL__2PRFIN20090612_100053_000000322079_00451_38080_2585.N1	12-JUN-2009 10:00:53	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38080	No
66	GOM_NL__2PRFIN20090612_101125_000000452079_00452_38081_2587.N1	12-JUN-2009 10:11:25	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38081	No
67	GOM_NL__2PRFIN20090612_101319_000000342079_00452_38081_2588.N1	12-JUN-2009 10:13:19	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38081	No
68	GOM_NL__2PRFIN20090612_101522_000000352079_00452_38081_2589.N1	12-JUN-2009 10:15:22	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38081	No
69	GOM_NL__2PRFIN20090612_101659_000000432079_00452_38081_2590.N1	12-JUN-2009 10:16:59	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38081	No
70	GOM_NL__2PRFIN20090612_102919_000000312079_00452_38081_2591.N1	12-JUN-2009 10:29:19	Tw_i_and_stray	30.500	38	20Eps Sgr	1.8360	11000.	61	38081	No
71	GOM_NL__2PRFIN20090612_103119_000000352079_00452_38081_2592.N1	12-JUN-2009 10:31:19	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38081	No
72	GOM_NL__2PRFIN20090612_104314_000000332079_00452_38081_2593.N1	12-JUN-2009 10:43:14	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38081	No
73	GOM_NL__2PRFIN20090612_104549_000000332079_00452_38081_2594.N1	12-JUN-2009 10:45:49	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38081	No
74	GOM_NL__2PRFIN20090612_105742_000000302079_00452_38081_2595.N1	12-JUN-2009 10:57:42	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38081	No
75	GOM_NL__2PRFIN20090612_110819_000000312079_00452_38081_2596.N1	12-JUN-2009 11:08:19	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	38081	No
76	GOM_NL__2PRFIN20090612_111427_000000262079_00452_38081_2597.N1	12-JUN-2009 11:14:27	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38081	No
77	GOM_NL__2PRFIN20090612_112301_000000252079_00452_38081_2598.N1	12-JUN-2009 11:23:01	Tw_i_and_stray	25.000	53	43Bet And	2.0480	3300.0	50	38081	No
78	GOM_NL__2PRFIN20090612_114130_000000312079_00452_38081_2599.N1	12-JUN-2009 11:41:30	Dark	31.000	52	16Bet Cet	2.0370	4500.0	62	38081	No
79	GOM_NL__2PRFIN20090612_115203_000000462079_00453_38082_2602.N1	12-JUN-2009 11:52:03	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38082	No
80	GOM_NL__2PRFIN20090612_115356_000000342079_00453_38082_2603.N1	12-JUN-2009 11:53:56	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38082	No
81	GOM_NL__2PRFIN20090612_115558_000000352079_00453_38082_2604.N1	12-JUN-2009 11:55:58	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38082	No
82	GOM_NL__2PRFIN20090612_115736_000000432079_00453_38082_2605.N1	12-JUN-2009 11:57:36	Straylight	43.000	172	Gam Gru	3.0030	13100.	86	38082	No
83	GOM_NL__2PRFIN20090612_120956_000000312079_00453_38082_2606.N1	12-JUN-2009 12:09:56	Tw_i_and_stray	30.500	38	20Eps Sgr	1.8360	11000.	61	38082	No
84	GOM_NL__2PRFIN20090612_121155_000000352079_00453_38082_2607.N1	12-JUN-2009 12:11:55	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38082	No
85	GOM_NL__2PRFIN20090612_122349_000000342079_00453_38082_2608.N1	12-JUN-2009 12:23:49	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38082	No
86	GOM_NL__2PRFIN20090612_122624_000000332079_00453_38082_2609.N1	12-JUN-2009 12:26:24	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38082	No
87	GOM_NL__2PRFIN20090612_123817_000000302079_00453_38082_2610.N1	12-JUN-2009 12:38:17	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38082	No
88	GOM_NL__2PRFIN20090612_124853_000000322079_00453_38082_2611.N1	12-JUN-2009 12:48:53	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38082	No
89	GOM_NL__2PRFIN20090612_125502_000000262079_00453_38082_2612.N1	12-JUN-2009 12:55:02	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38082	No
90	GOM_NL__2PRFIN20090612_130337_000000252079_00453_38082_2613.N1	12-JUN-2009 13:03:37	Tw_i_and_stray	25.000	53	43Bet And	2.0480	3300.0	50	38082	No
91	GOM_NL__2PRFIN20090612_132207_000000322079_00453_38082_2614.N1	12-JUN-2009 13:22:07	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38082	No
92	GOM_NL__2PRFIN20090612_133240_000000462079_00454_38083_2616.N1	12-JUN-2009 13:32:40	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38083	No
93	GOM_NL__2PRFIN20090612_133433_000000342079_00454_38083_2617.N1	12-JUN-2009 13:34:33	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38083	No
94	GOM_NL__2PRFIN20090612_133635_000000352079_00454_38083_2618.N1	12-JUN-2009 13:36:35	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38083	No
95	GOM_NL__2PRFIN20090612_133814_000000432079_00454_38083_2619.N1	12-JUN-2009 13:38:14	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38083	No
96	GOM_NL__2PRFIN20090612_135032_000000302079_00454_38083_2620.N1	12-JUN-2009 13:50:32	Tw_i_and_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38083	No
97	GOM_NL__2PRFIN20090612_135231_000000352079_00454_38083_2621.N1	12-JUN-2009 13:52:31	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38083	No
98	GOM_NL__2PRFIN20090612_140425_000000342079_00454_38083_2622.N1	12-JUN-2009 14:04:25	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38083	No
99	GOM_NL__2PRFIN20090612_140700_000000332079_00454_38083_2623.N1	12-JUN-2009 14:07:00	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38083	No
100	GOM_NL__2PRFIN20090612_141852_000000302079_00454_38083_2624.N1	12-JUN-2009 14:18:52	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38083	No
101	GOM_NL__2PRFIN20090612_142929_000000322079_00454_38083_2625.N1	12-JUN-2009 14:29:29	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38083	No

102	GOM_NL__2PRFIN20090612_143538_000000262079_00454_38083_2626.N1	12-JUN-2009 14:35:38	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38083	No
103	GOM_NL__2PRFIN20090612_144413_000000252079_00454_38083_2627.N1	12-JUN-2009 14:44:13	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38083	No
104	GOM_NL__2PRFIN20090612_150243_000000322079_00454_38083_2628.N1	12-JUN-2009 15:02:43	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38083	No
105	GOM_NL__2PRFIN20090612_151318_000000462079_00455_38084_2631.N1	12-JUN-2009 15:13:18	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38084	No
106	GOM_NL__2PRFIN20090612_151510_000000342079_00455_38084_2632.N1	12-JUN-2009 15:15:10	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38084	No
107	GOM_NL__2PRFIN20090612_151712_000000352079_00455_38084_2633.N1	12-JUN-2009 15:17:12	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38084	No
108	GOM_NL__2PRFIN20090612_151851_000000432079_00455_38084_2634.N1	12-JUN-2009 15:18:51	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38084	No
109	GOM_NL__2PRFIN20090612_153108_000000302079_00455_38084_2635.N1	12-JUN-2009 15:31:08	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38084	No
110	GOM_NL__2PRFIN20090612_153307_000000362079_00455_38084_2636.N1	12-JUN-2009 15:33:07	Twilight	35.500	57	34Sig Sgr	2.0660	26000.	71	38084	No
111	GOM_NL__2PRFIN20090612_154501_000000332079_00455_38084_2637.N1	12-JUN-2009 15:45:01	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38084	No
112	GOM_NL__2PRFIN20090612_154736_000000332079_00455_38084_2638.N1	12-JUN-2009 15:47:36	Bright	32.500	59	55Alp Oph	2.0800	8900.0	65	38084	No
113	GOM_NL__2PRFIN20090612_155928_000000302079_00455_38084_2639.N1	12-JUN-2009 15:59:28	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38084	No
114	GOM_NL__2PRFIN20090612_161004_000000312079_00455_38084_2640.N1	12-JUN-2009 16:10:04	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38084	No
115	GOM_NL__2PRFIN20090612_161614_000000262079_00455_38084_2641.N1	12-JUN-2009 16:16:14	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38084	No
116	GOM_NL__2PRFIN20090612_162449_000000252079_00455_38084_2642.N1	12-JUN-2009 16:24:49	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38084	No
117	GOM_NL__2PRFIN20090612_164320_000000322079_00455_38084_2643.N1	12-JUN-2009 16:43:20	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38084	No
118	GOM_NL__2PRFIN20090612_165355_000000462079_00456_38085_2646.N1	12-JUN-2009 16:53:55	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38085	No
119	GOM_NL__2PRFIN20090612_165547_000000342079_00456_38085_2647.N1	12-JUN-2009 16:55:47	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38085	No
120	GOM_NL__2PRFIN20090612_165749_000000352079_00456_38085_2648.N1	12-JUN-2009 16:57:49	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38085	No
121	GOM_NL__2PRFIN20090612_165928_000000432079_00456_38085_2649.N1	12-JUN-2009 16:59:28	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38085	No
122	GOM_NL__2PRFIN20090612_171145_000000302079_00456_38085_2650.N1	12-JUN-2009 17:11:45	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38085	No
123	GOM_NL__2PRFIN20090612_171344_000000362079_00456_38085_2651.N1	12-JUN-2009 17:13:44	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38085	No
124	GOM_NL__2PRFIN20090612_172536_000000332079_00456_38085_2652.N1	12-JUN-2009 17:25:36	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38085	No
125	GOM_NL__2PRFIN20090612_172811_000000332079_00456_38085_2653.N1	12-JUN-2009 17:28:11	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38085	No
126	GOM_NL__2PRFIN20090612_174004_000000302079_00456_38085_2654.N1	12-JUN-2009 17:40:04	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38085	No
127	GOM_NL__2PRFIN20090612_175039_000000322079_00456_38085_2655.N1	12-JUN-2009 17:50:39	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38085	No
128	GOM_NL__2PRFIN20090612_175650_000000262079_00456_38085_2656.N1	12-JUN-2009 17:56:50	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38085	No
129	GOM_NL__2PRFIN20090612_180526_000000252079_00456_38085_2657.N1	12-JUN-2009 18:05:26	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38085	No
130	GOM_NL__2PRFIN20090612_182357_000000322079_00456_38085_2658.N1	12-JUN-2009 18:23:57	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38085	No
131	GOM_NL__2PRFIN20090612_183433_000000462079_00457_38086_2662.N1	12-JUN-2009 18:34:33	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38086	No
132	GOM_NL__2PRFIN20090612_183624_000000342079_00457_38086_2663.N1	12-JUN-2009 18:36:24	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38086	No
133	GOM_NL__2PRFIN20090612_183826_000000352079_00457_38086_2664.N1	12-JUN-2009 18:38:26	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38086	No
134	GOM_NL__2PRFIN20090612_184006_000000422079_00457_38086_2665.N1	12-JUN-2009 18:40:06	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38086	No
135	GOM_NL__2PRFIN20090612_185221_000000302079_00457_38086_2666.N1	12-JUN-2009 18:52:21	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38086	No
136	GOM_NL__2PRFIN20090612_185420_000000362079_00457_38086_2667.N1	12-JUN-2009 18:54:20	Twilight	35.500	57	34Sig Sgr	2.0660	26000.	71	38086	No
137	GOM_NL__2PRFIN20090612_190612_000000332079_00457_38086_2668.N1	12-JUN-2009 19:06:12	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38086	No
138	GOM_NL__2PRFIN20090612_190847_000000332079_00457_38086_2669.N1	12-JUN-2009 19:08:47	Bright	32.500	59	55Alp Oph	2.0800	8900.0	65	38086	No
139	GOM_NL__2PRFIN20090612_192039_000000302079_00457_38086_2670.N1	12-JUN-2009 19:20:39	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38086	No
140	GOM_NL__2PRFIN20090612_193115_000000322079_00457_38086_2671.N1	12-JUN-2009 19:31:15	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38086	No
141	GOM_NL__2PRFIN20090612_193725_000000262079_00457_38086_2672.N1	12-JUN-2009 19:37:25	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38086	No
142	GOM_NL__2PRFIN20090612_194602_000000252079_00457_38086_2673.N1	12-JUN-2009 19:46:02	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38086	No
143	GOM_NL__2PRFIN20090612_200434_000000322079_00457_38086_2674.N1	12-JUN-2009 20:04:34	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38086	No
144	GOM_NL__2PRFIN20090612_201511_000000462079_00458_38087_2680.N1	12-JUN-2009 20:15:11	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38087	No
145	GOM_NL__2PRFIN20090612_201701_000000342079_00458_38087_2681.N1	12-JUN-2009 20:17:01	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38087	No
146	GOM_NL__2PRFIN20090612_201903_000000352079_00458_38087_2682.N1	12-JUN-2009 20:19:03	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38087	No
147	GOM_NL__2PRFIN20090612_202043_000000422079_00458_38087_2683.N1	12-JUN-2009 20:20:43	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38087	No
148	GOM_NL__2PRFIN20090612_203258_000000302079_00458_38087_2684.N1	12-JUN-2009 20:32:58	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38087	No
149	GOM_NL__2PRFIN20090612_203457_000000362079_00458_38087_2685.N1	12-JUN-2009 20:34:57	Twilight	35.500	57	34Sig Sgr	2.0660	26000.	71	38087	No
150	GOM_NL__2PRFIN20090612_204648_000000332079_00458_38087_2686.N1	12-JUN-2009 20:46:48	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38087	No
151	GOM_NL__2PRFIN20090612_204922_000000332079_00458_38087_2687.N1	12-JUN-2009 20:49:22	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38087	No
152	GOM_NL__2PRFIN20090612_210115_000000302079_00458_38087_2688.N1	12-JUN-2009 21:01:15	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38087	No
153	GOM_NL__2PRFIN20090612_211150_000000322079_00458_38087_2689.N1	12-JUN-2009 21:11:50	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38087	No
154	GOM_NL__2PRFIN20090612_211801_000000262079_00458_38087_2690.N1	12-JUN-2009 21:18:01	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38087	No
155	GOM_NL__2PRFIN20090612_212637_000000252079_00458_38087_2691.N1	12-JUN-2009 21:26:37	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38087	No
156	GOM_NL__2PRFIN20090612_214511_000000322079_00458_38087_2692.N1	12-JUN-2009 21:45:11	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38087	No
157	GOM_NL__2PRFIN20090612_215548_000000462079_00459_38088_2709.N1	12-JUN-2009 21:55:48	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38088	No
158	GOM_NL__2PRFIN20090612_215738_000000342079_00459_38088_2710.N1	12-JUN-2009 21:57:38	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38088	No
159	GOM_NL__2PRFIN20090612_215940_000000352079_00459_38088_2711.N1	12-JUN-2009 21:59:40	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38088	No
160	GOM_NL__2PRFIN20090612_220120_000000432079_00459_38088_2712.N1	12-JUN-2009 22:01:20	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38088	No

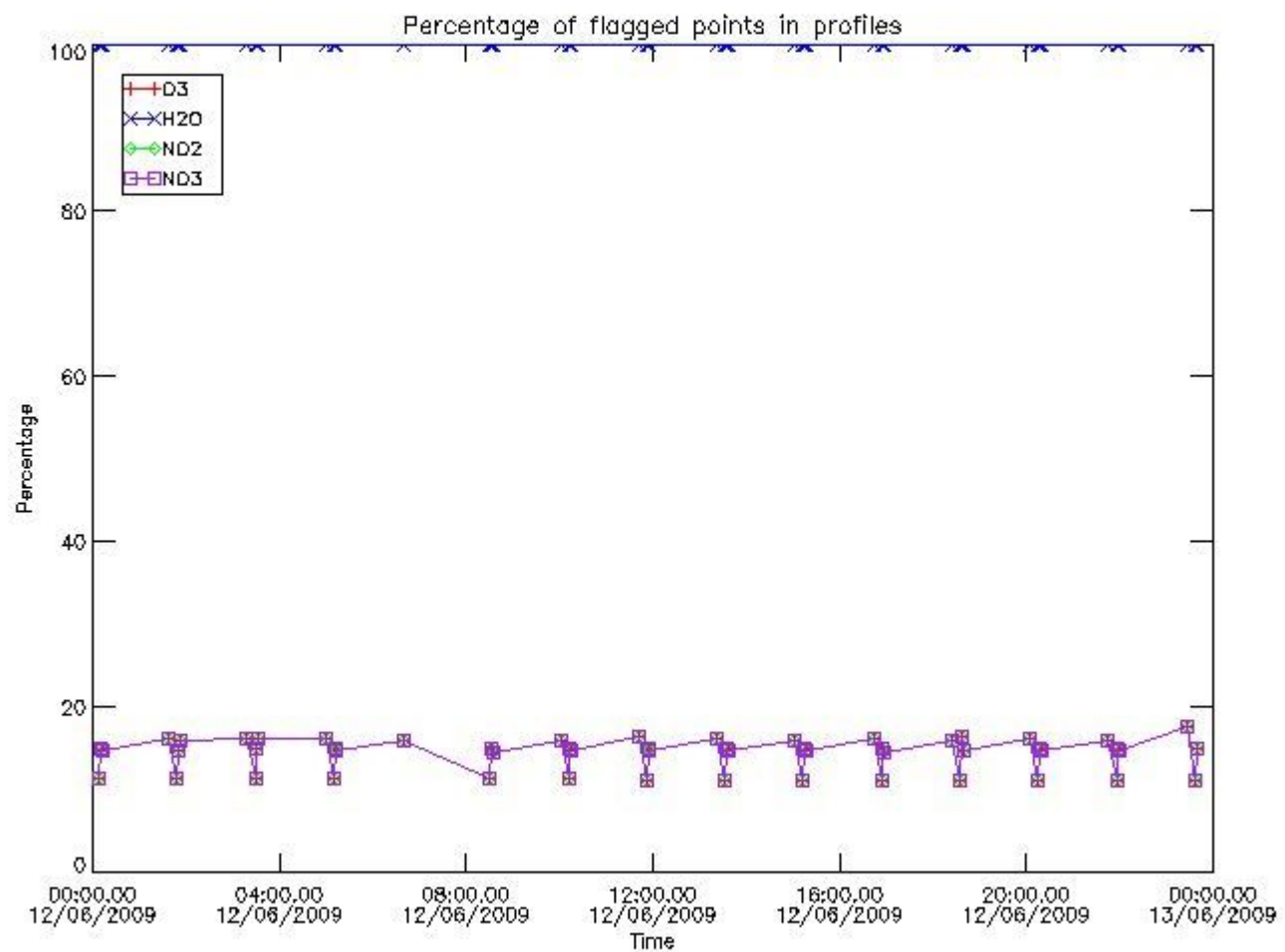


161	GOM_NL__2PRFIN20090612_221334_000000302079_00459_38088_2713.N1	12-JUN-2009 22:13:34	Twilight_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38088	No
162	GOM_NL__2PRFIN20090612_221533_000000362079_00459_38088_2714.N1	12-JUN-2009 22:15:33	Twilight_stray	35.500	57	34Sig Sgr	2.0660	26000.	71	38088	No
163	GOM_NL__2PRFIN20090612_222723_000000332079_00459_38088_2715.N1	12-JUN-2009 22:27:23	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38088	No
164	GOM_NL__2PRFIN20090612_222958_000000332079_00459_38088_2716.N1	12-JUN-2009 22:29:58	Bright	32.500	59	55Alp Oph	2.0800	8900.0	65	38088	No
165	GOM_NL__2PRFIN20090612_224150_000000302079_00459_38088_2717.N1	12-JUN-2009 22:41:50	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38088	No
166	GOM_NL__2PRFIN20090612_225225_000000322079_00459_38088_2718.N1	12-JUN-2009 22:52:25	Twilight_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38088	No
167	GOM_NL__2PRFIN20090612_225836_000000262079_00459_38088_2719.N1	12-JUN-2009 22:58:36	Twilight_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38088	No
168	GOM_NL__2PRFIN20090612_230713_000000252079_00459_38088_2720.N1	12-JUN-2009 23:07:13	Twilight_stray	24.500	53	43Bet And	2.0480	3300.0	49	38088	No
169	GOM_NL__2PRFIN20090612_232548_000000322079_00459_38088_2721.N1	12-JUN-2009 23:25:48	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38088	No
170	GOM_NL__2PRFIN20090612_233626_000000462079_00460_38089_2725.N1	12-JUN-2009 23:36:26	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38089	No
171	GOM_NL__2PRFIN20090612_233814_000000342079_00460_38089_2726.N1	12-JUN-2009 23:38:14	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38089	No
172	GOM_NL__2PRFIN20090612_234017_000000342079_00460_38089_2727.N1	12-JUN-2009 23:40:17	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38089	No
173	GOM_NL__2PRFIN20090612_234157_000000432079_00460_38089_2728.N1	12-JUN-2009 23:41:57	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38089	No
174	GOM_NL__2PRFIN20090612_235410_000000302079_00460_38089_2729.N1	12-JUN-2009 23:54:10	Twilight_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38089	No
175	GOM_NL__2PRFIN20090612_235609_000000362079_00460_38089_2730.N1	12-JUN-2009 23:56:09	Twilight_stray	35.500	57	34Sig Sgr	2.0660	26000.	71	38089	No

### 3. Quality information per product

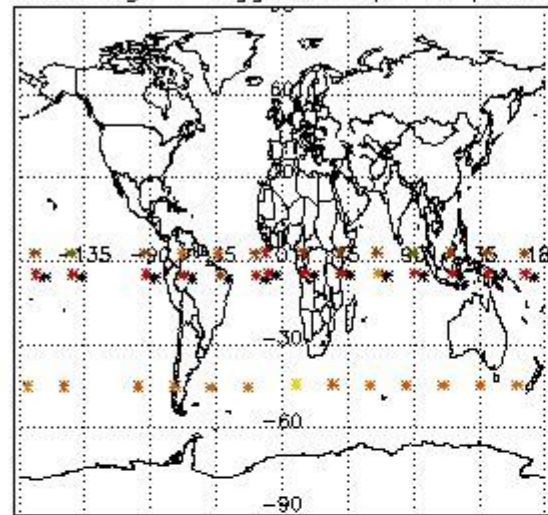
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

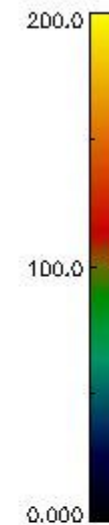
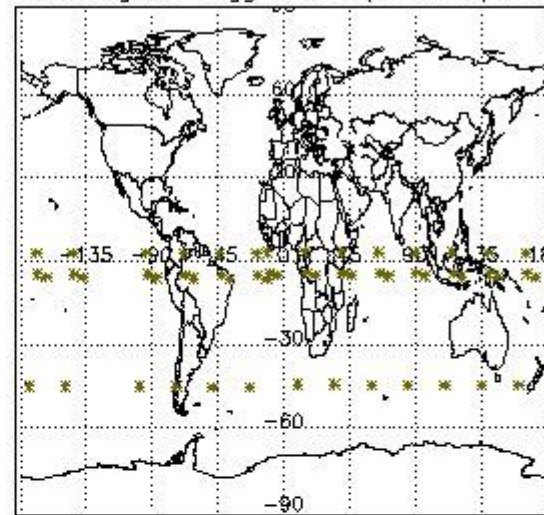


### 3.2 Plot quality information per product (world map)

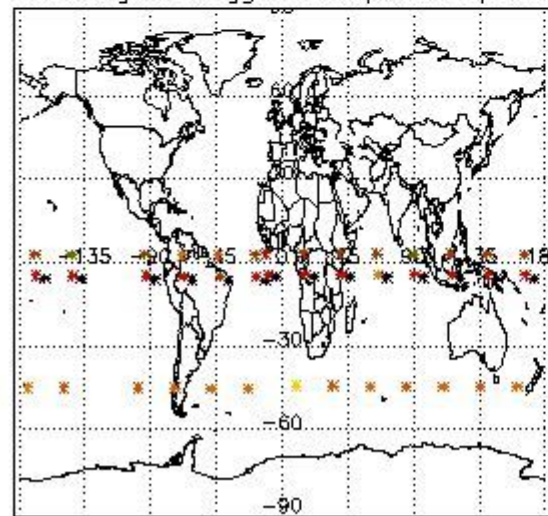
Percentage of flagged data per O3 profile



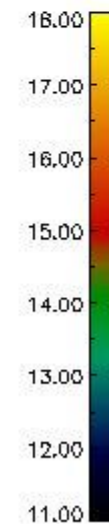
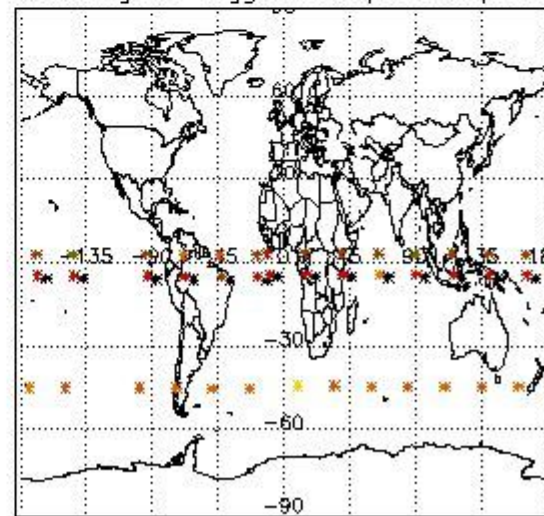
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

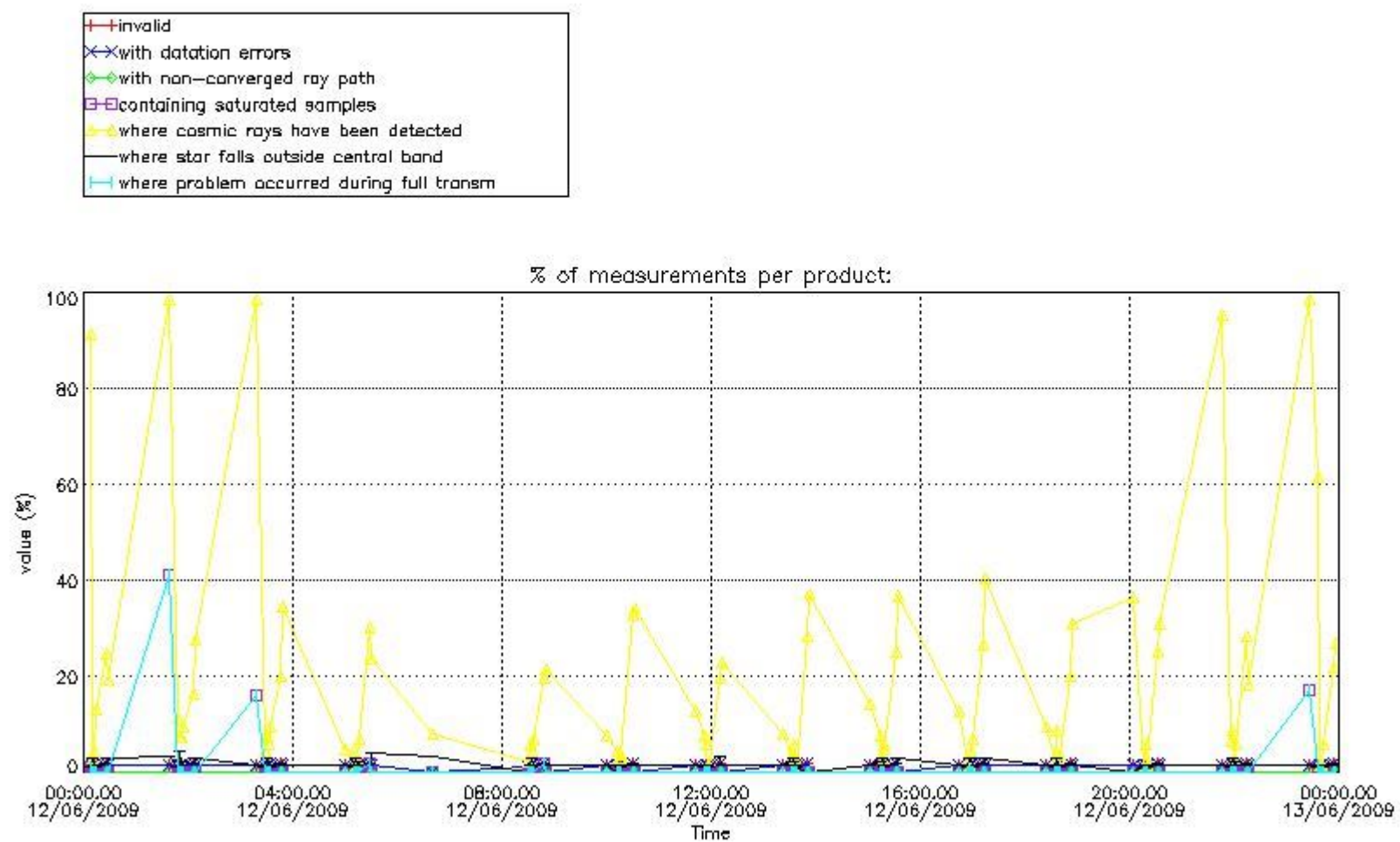


### 4. Level 1 quality information per product

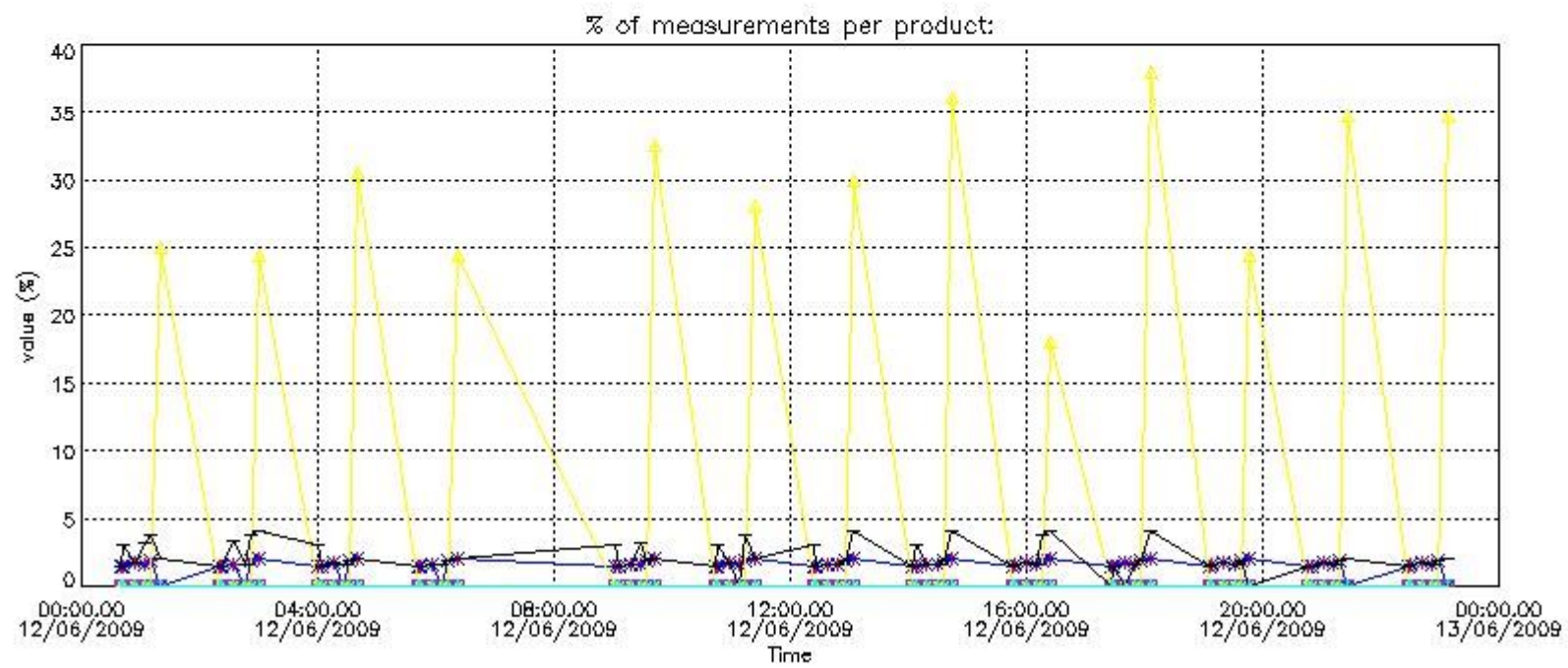
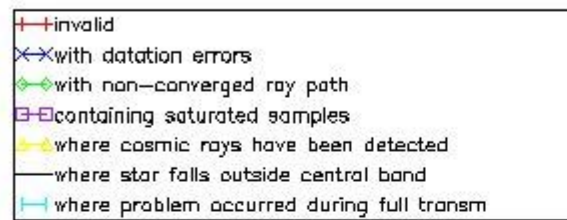
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

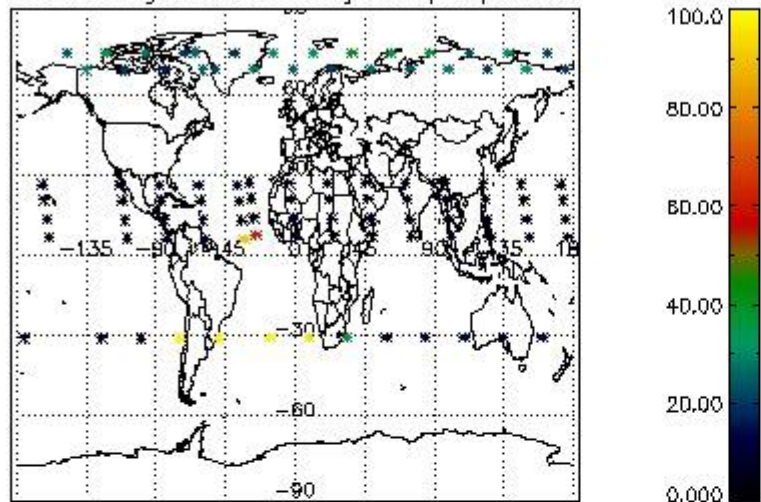


*4.2 Plot quality information per product coming from level 1b processing (world map)*

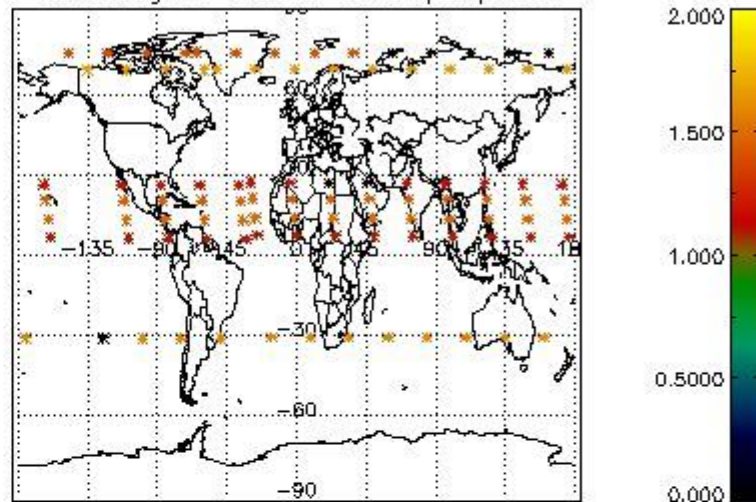
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



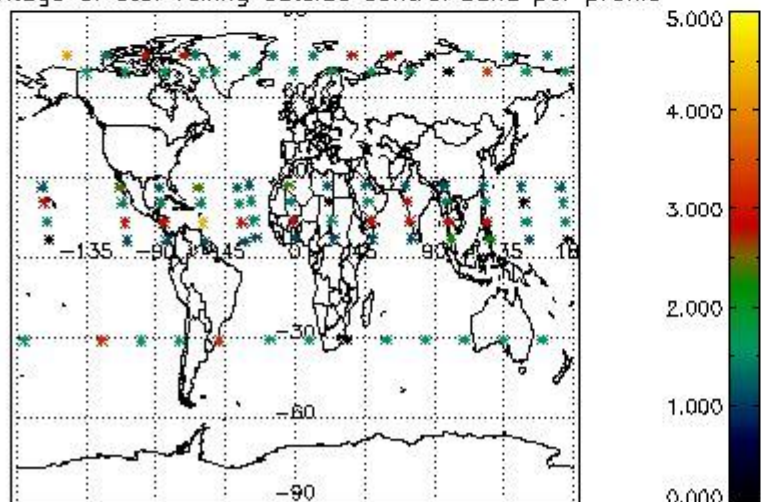
Percentage of cosmic ray hits per profile



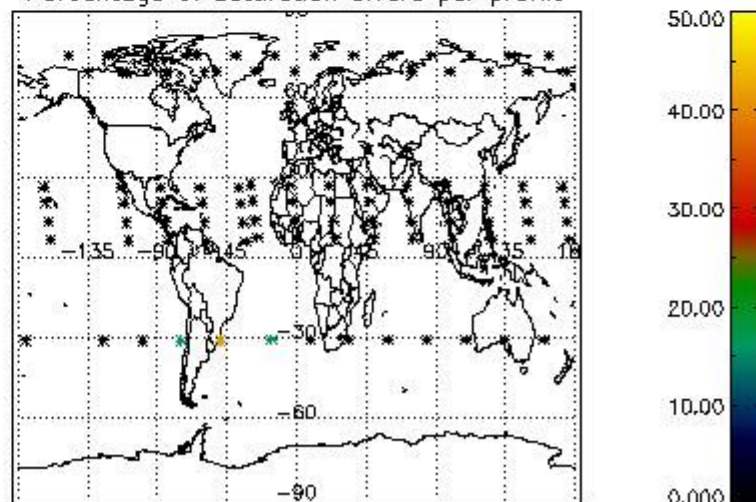
Percentage of datation errors per profile



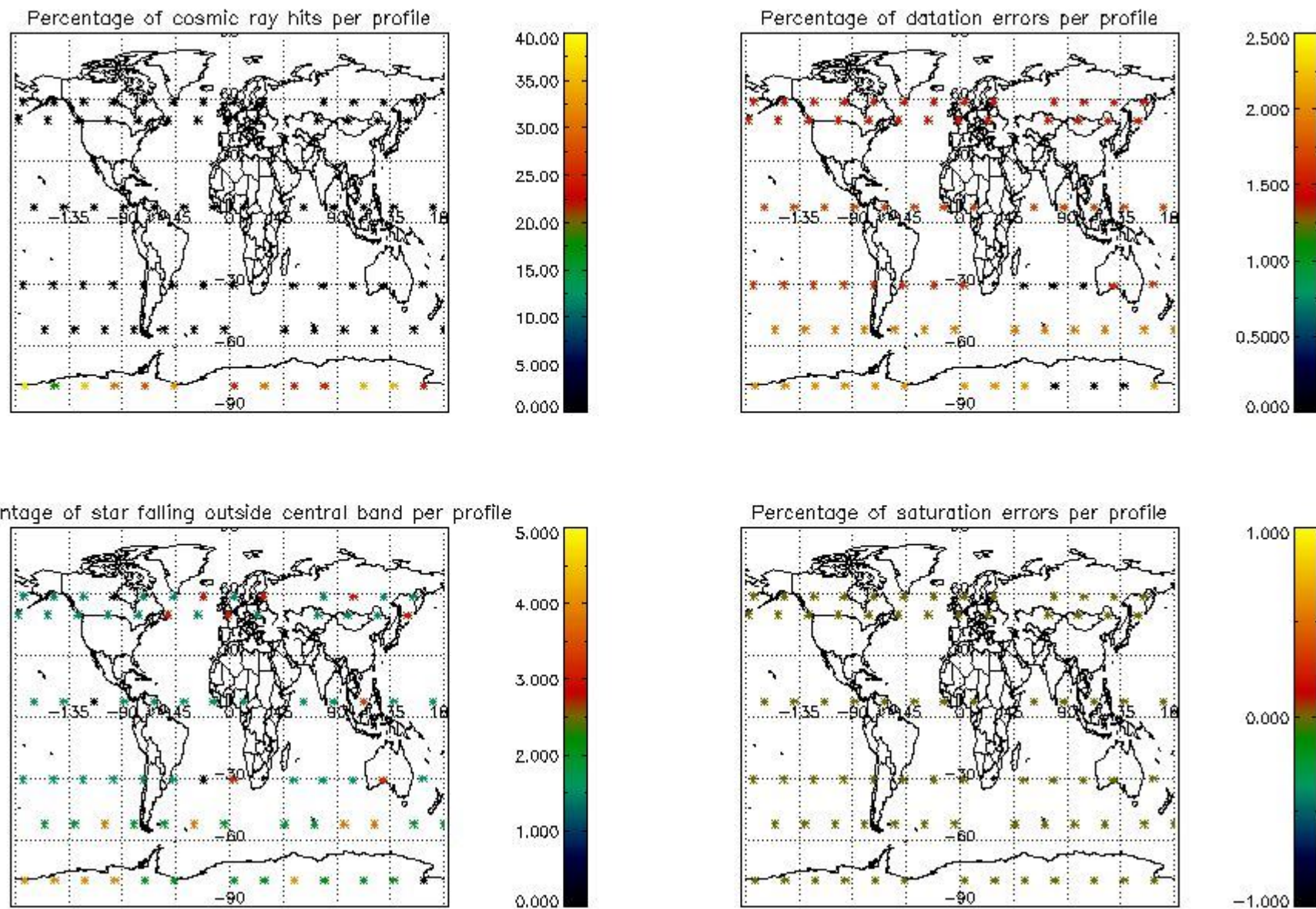
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

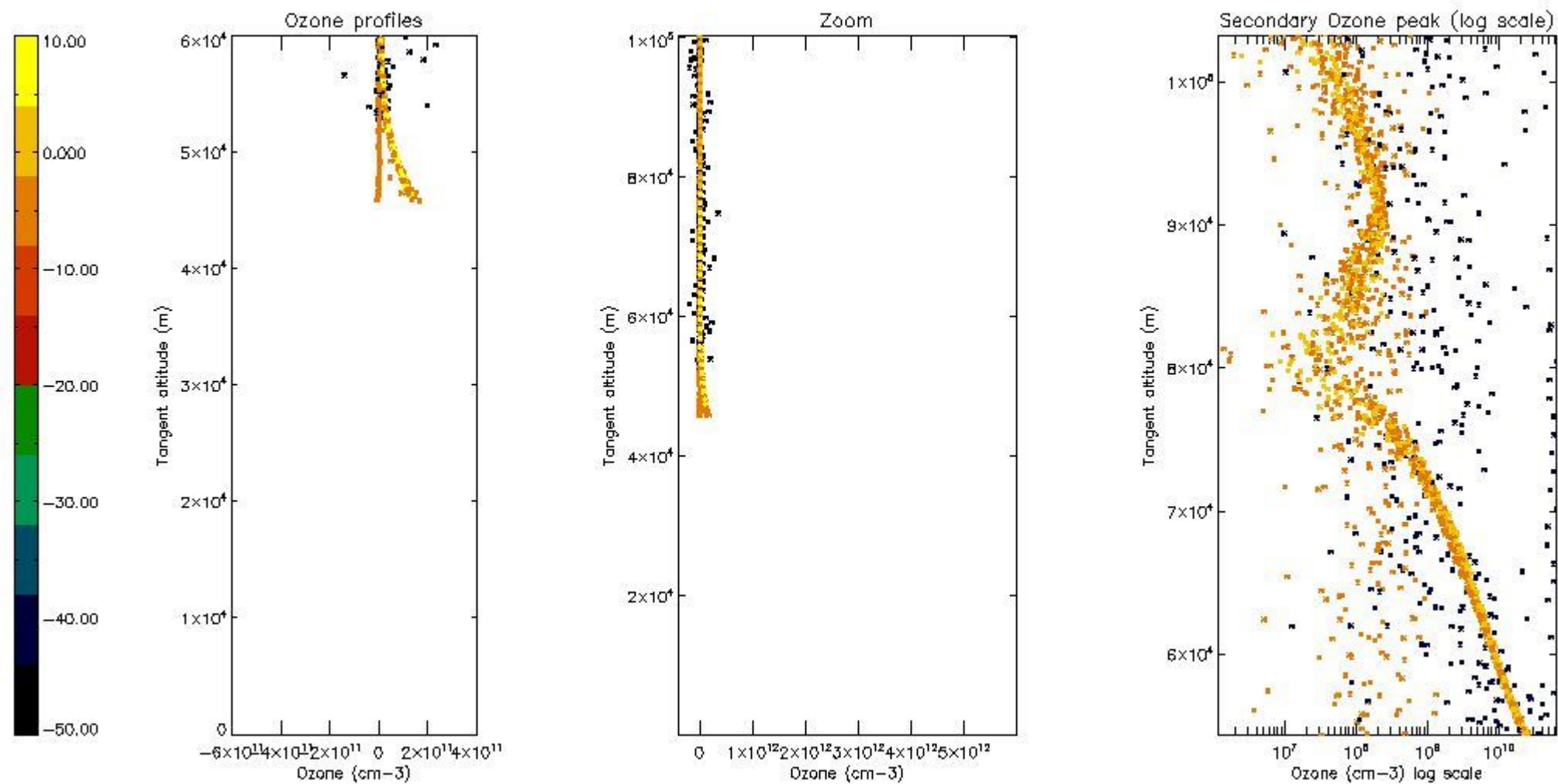
Criteria	% of total production
All STD	35
STD < 20	9



STD < 10	7
STD < 5	7

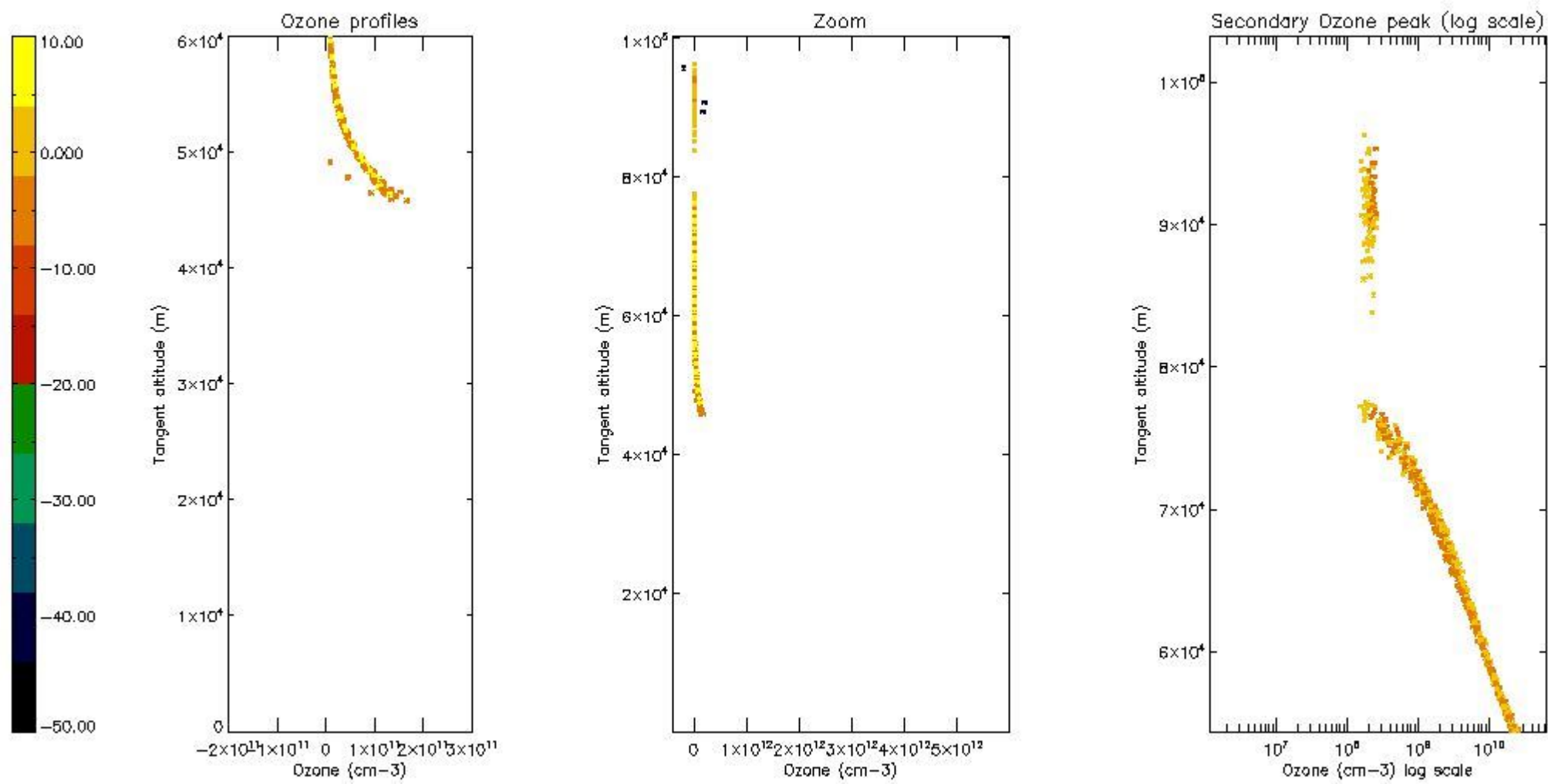
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

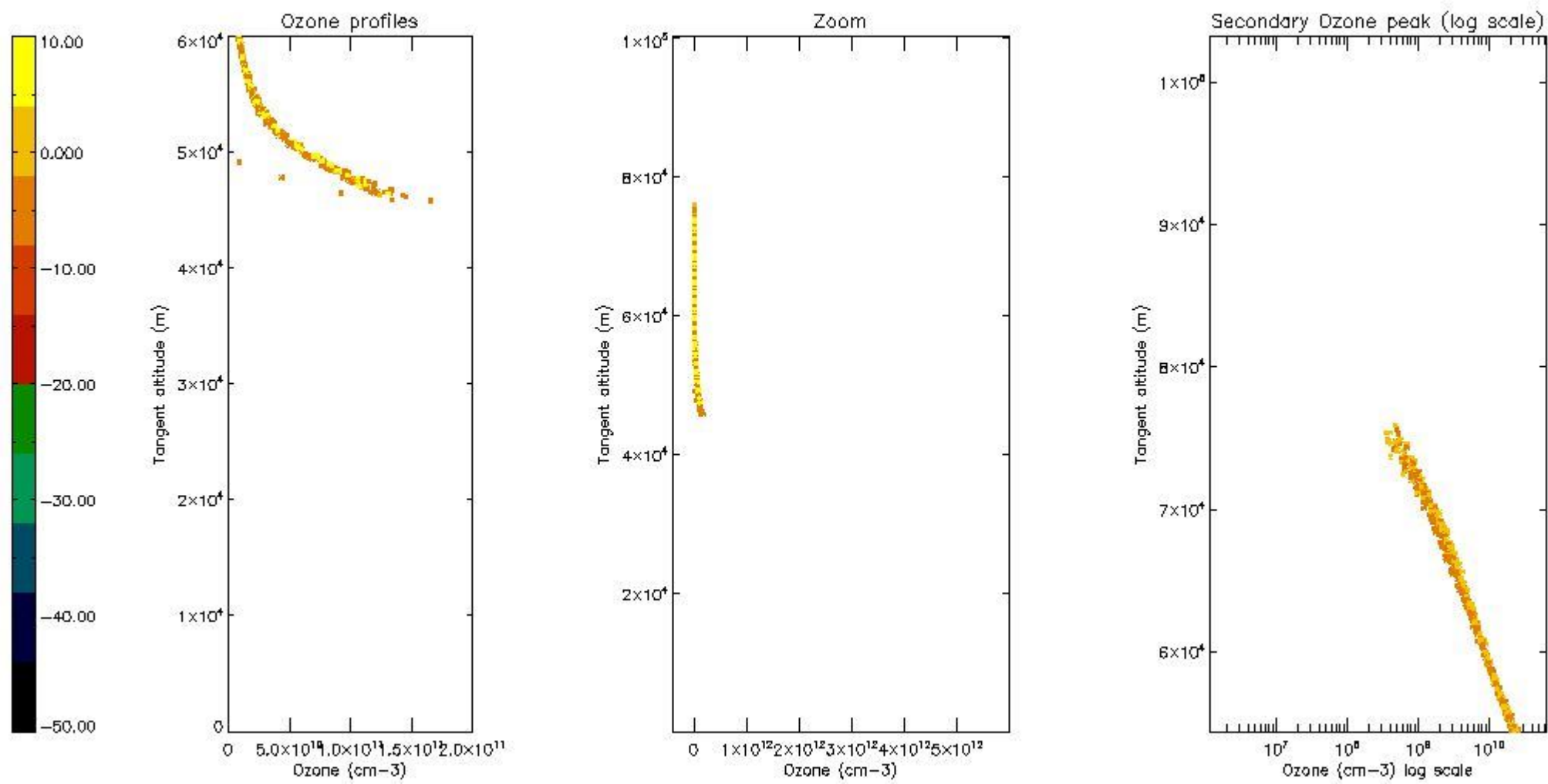
The colorbar represents the latitude.



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

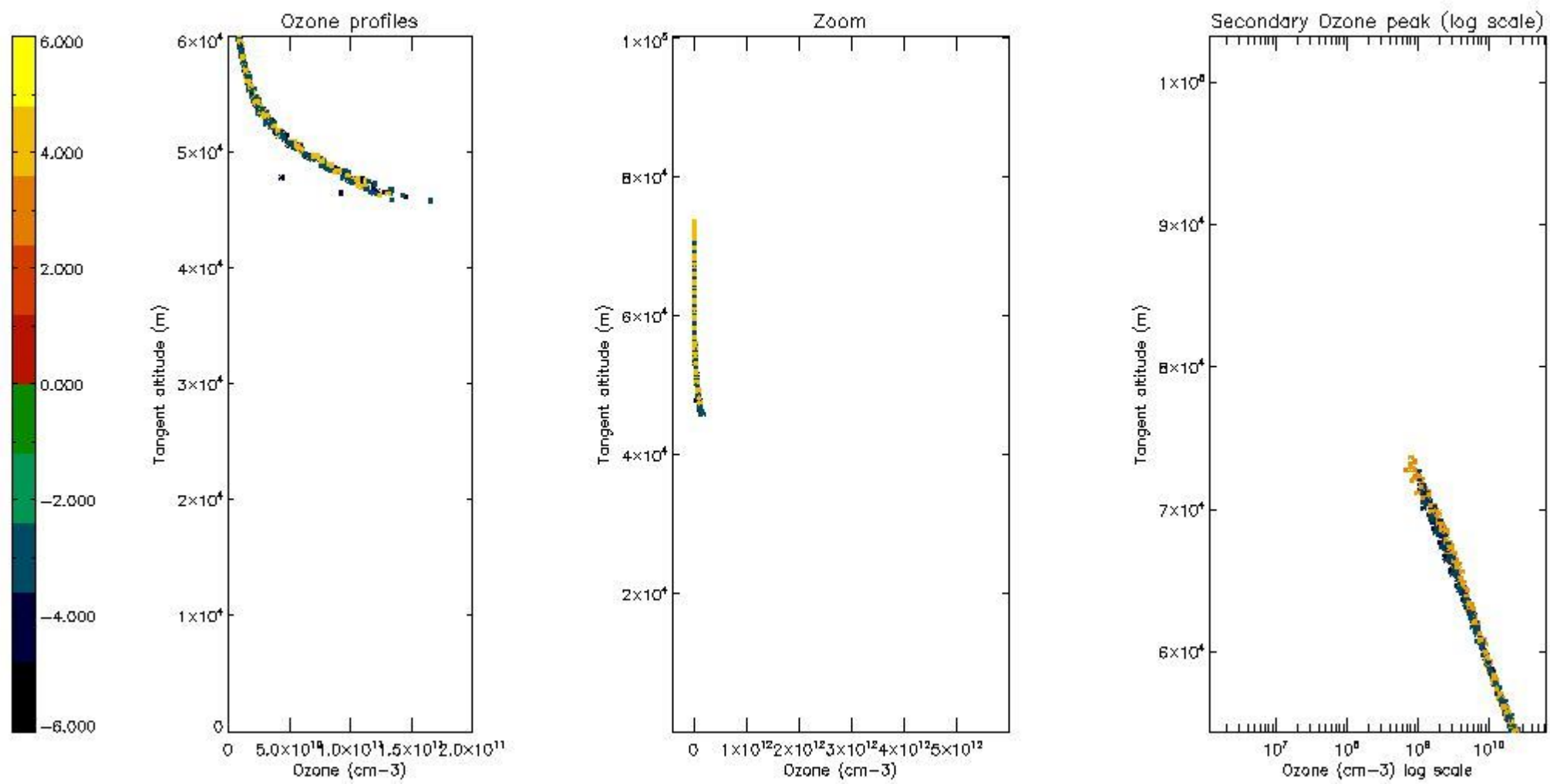
The colorbar represents the latitude.





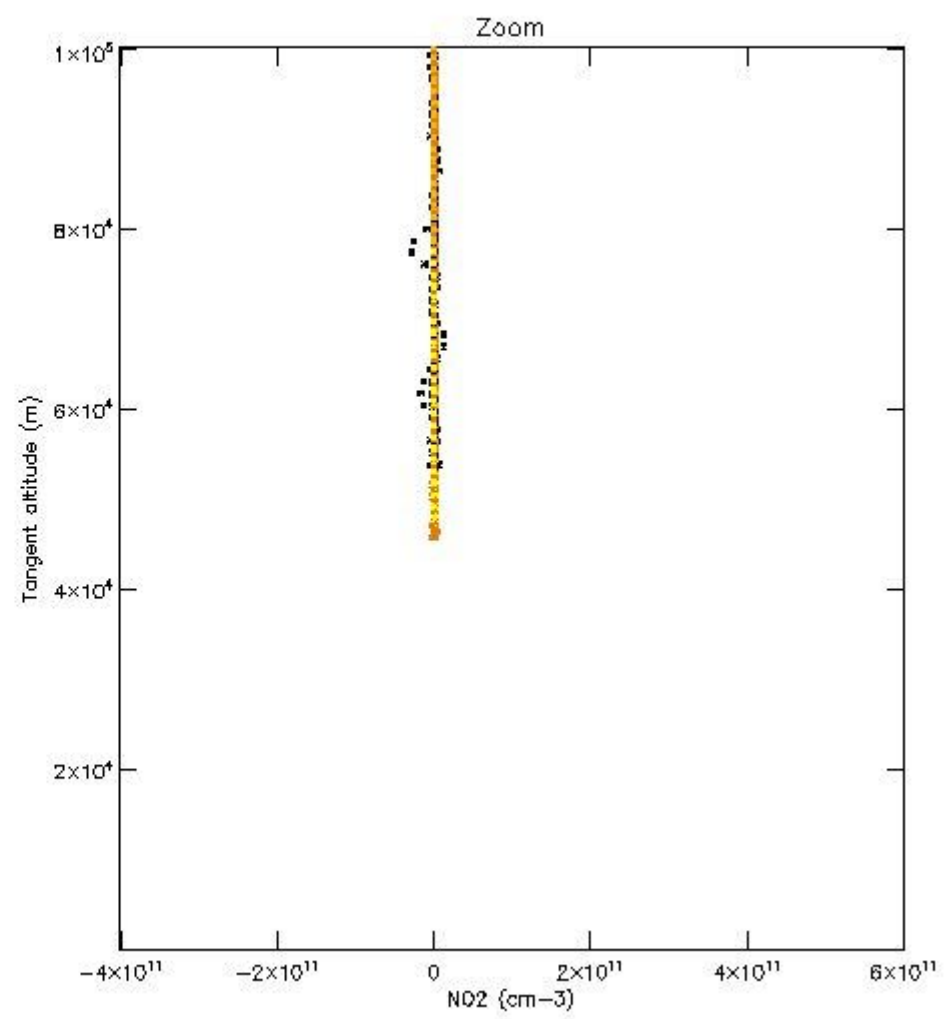
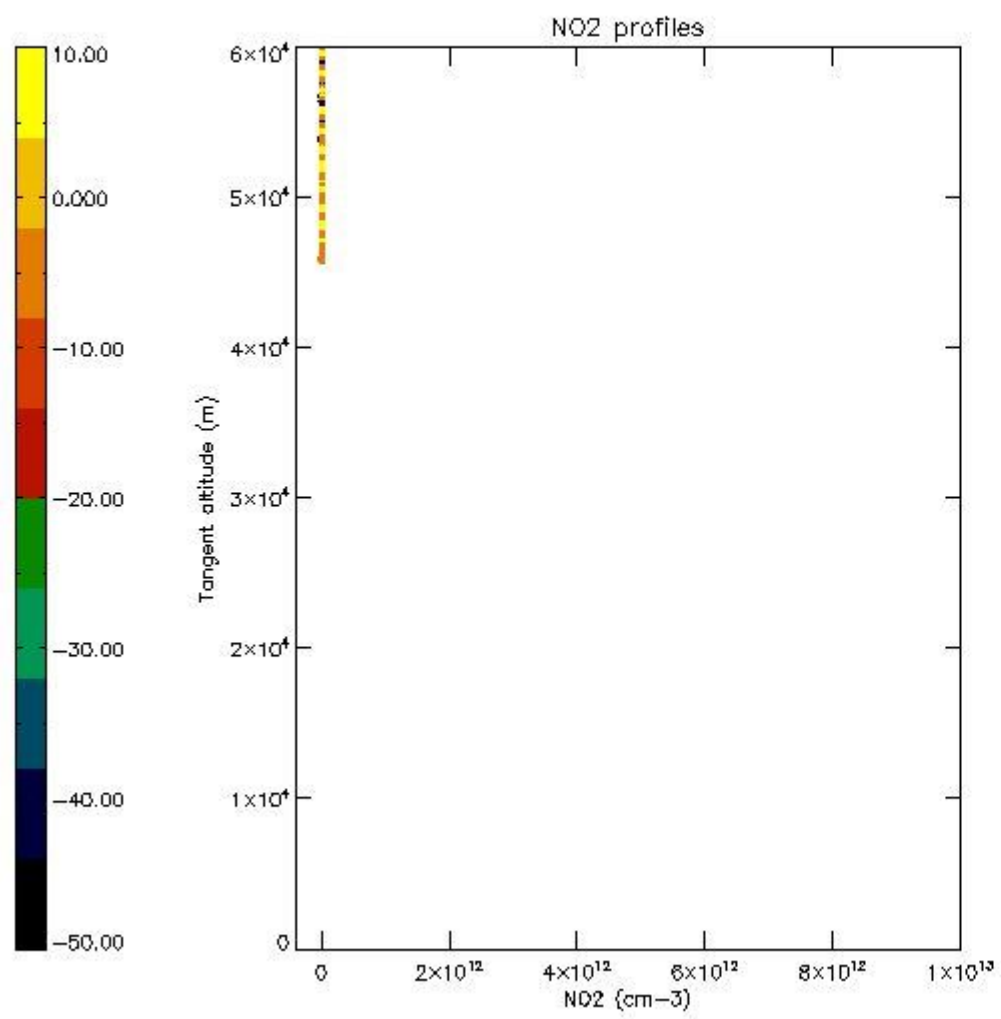
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



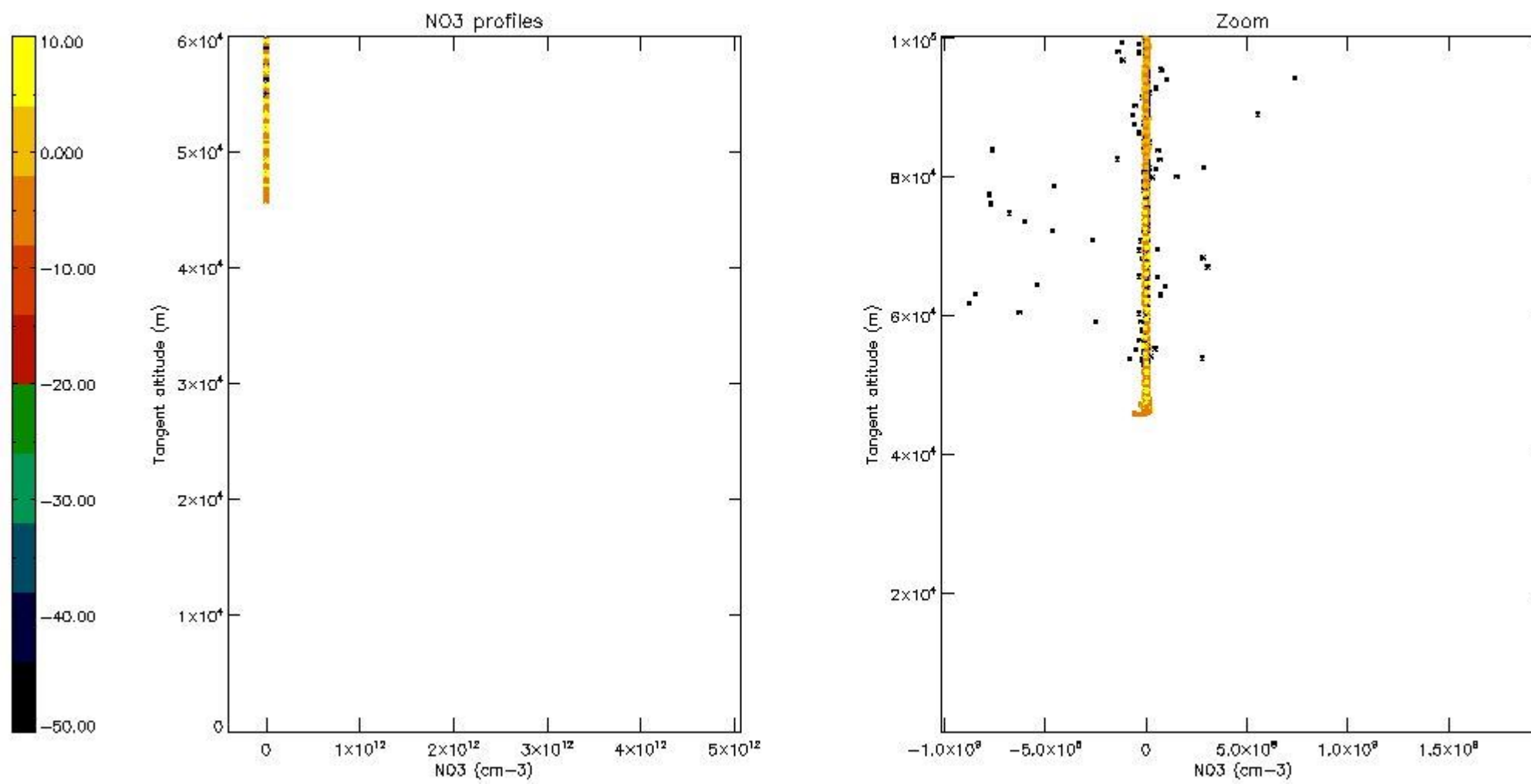
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



## 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	12-JUN-2009 00:07:40
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUN-2009 00:07:40
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUN-2009 00:07:40



# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 10:07:05
Data source version	GOMOS/6.01
Start time of products	12-06-2009 (12JUN2009 00:00:00)
Stop time of products	13-06-2009 (13JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	175
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__2PRFIN20090612_000740_000000452079_00446_38075_2482.N1	12-JUN-2009 00:07:40	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38075	No
2	GOM_NL__2PRFIN20090612_000938_000000342079_00446_38075_2483.N1	12-JUN-2009 00:09:38	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38075	No
3	GOM_NL__2PRFIN20090612_001140_000000352079_00446_38075_2484.N1	12-JUN-2009 00:11:40	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38075	No
4	GOM_NL__2PRFIN20090612_001315_000000432079_00446_38075_2485.N1	12-JUN-2009 00:13:15	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38075	No
5	GOM_NL__2PRFIN20090612_002541_000000312079_00446_38075_2486.N1	12-JUN-2009 00:25:41	Twilight	30.500	38	20Eps Sgr	1.8360	11000.	61	38075	No
6	GOM_NL__2PRFIN20090612_002740_000000362079_00446_38075_2487.N1	12-JUN-2009 00:27:40	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38075	No
7	GOM_NL__2PRFIN20090612_003940_000000342079_00446_38075_2488.N1	12-JUN-2009 00:39:40	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38075	No
8	GOM_NL__2PRFIN20090612_004216_000000332079_00446_38075_2489.N1	12-JUN-2009 00:42:16	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38075	No
9	GOM_NL__2PRFIN20090612_005409_000000302079_00446_38075_2490.N1	12-JUN-2009 00:54:09	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38075	No
10	GOM_NL__2PRFIN20090612_010447_000000322079_00446_38075_2491.N1	12-JUN-2009 01:04:47	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38075	No
11	GOM_NL__2PRFIN20090612_011053_000000262079_00446_38075_2492.N1	12-JUN-2009 01:10:53	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38075	No
12	GOM_NL__2PRFIN20090612_011925_000000242079_00446_38075_2493.N1	12-JUN-2009 01:19:25	Twilight	24.000	53	43Bet And	2.0480	3300.0	48	38075	No
13	GOM_NL__2PRFIN20090612_013748_000000322079_00446_38075_2494.N1	12-JUN-2009 01:37:48	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38075	No
14	GOM_NL__2PRFIN20090612_014818_000000452079_00447_38076_2498.N1	12-JUN-2009 01:48:18	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38076	No
15	GOM_NL__2PRFIN20090612_015015_000000352079_00447_38076_2499.N1	12-JUN-2009 01:50:15	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38076	No
16	GOM_NL__2PRFIN20090612_015217_000000352079_00447_38076_2500.N1	12-JUN-2009 01:52:17	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38076	No
17	GOM_NL__2PRFIN20090612_015352_000000432079_00447_38076_2501.N1	12-JUN-2009 01:53:52	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38076	No
18	GOM_NL__2PRFIN20090612_020617_000000312079_00447_38076_2502.N1	12-JUN-2009 02:06:17	Twilight	30.500	38	20Eps Sgr	1.8360	11000.	61	38076	No
19	GOM_NL__2PRFIN20090612_020817_000000362079_00447_38076_2503.N1	12-JUN-2009 02:08:17	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38076	No
20	GOM_NL__2PRFIN20090612_022016_000000342079_00447_38076_2504.N1	12-JUN-2009 02:20:16	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38076	No
21	GOM_NL__2PRFIN20090612_022251_000000332079_00447_38076_2505.N1	12-JUN-2009 02:22:51	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38076	No
22	GOM_NL__2PRFIN20090612_023444_000000302079_00447_38076_2506.N1	12-JUN-2009 02:34:44	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38076	No
23	GOM_NL__2PRFIN20090612_024522_000000312079_00447_38076_2507.N1	12-JUN-2009 02:45:22	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	38076	No
24	GOM_NL__2PRFIN20090612_025129_000000262079_00447_38076_2508.N1	12-JUN-2009 02:51:29	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38076	No
25	GOM_NL__2PRFIN20090612_030001_000000252079_00447_38076_2509.N1	12-JUN-2009 03:00:01	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38076	No
26	GOM_NL__2PRFIN20090612_031825_000000322079_00447_38076_2510.N1	12-JUN-2009 03:18:25	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38076	No
27	GOM_NL__2PRFIN20090612_032855_000000452079_00448_38077_2532.N1	12-JUN-2009 03:28:55	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38077	No
28	GOM_NL__2PRFIN20090612_033052_000000342079_00448_38077_2533.N1	12-JUN-2009 03:30:52	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38077	No
29	GOM_NL__2PRFIN20090612_033254_000000352079_00448_38077_2534.N1	12-JUN-2009 03:32:54	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38077	No
30	GOM_NL__2PRFIN20090612_033430_000000432079_00448_38077_2535.N1	12-JUN-2009 03:34:30	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38077	No
31	GOM_NL__2PRFIN20090612_034654_000000302079_00448_38077_2536.N1	12-JUN-2009 03:46:54	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38077	No
32	GOM_NL__2PRFIN20090612_034853_000000362079_00448_38077_2537.N1	12-JUN-2009 03:48:53	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38077	No
33	GOM_NL__2PRFIN20090612_040051_000000342079_00448_38077_2538.N1	12-JUN-2009 04:00:51	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38077	No
34	GOM_NL__2PRFIN20090612_040327_000000332079_00448_38077_2539.N1	12-JUN-2009 04:03:27	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38077	No
35	GOM_NL__2PRFIN20090612_041520_000000302079_00448_38077_2540.N1	12-JUN-2009 04:15:20	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38077	No
36	GOM_NL__2PRFIN20090612_042558_000000312079_00448_38077_2541.N1	12-JUN-2009 04:25:58	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	38077	No
37	GOM_NL__2PRFIN20090612_043204_000000262079_00448_38077_2542.N1	12-JUN-2009 04:32:04	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38077	No
38	GOM_NL__2PRFIN20090612_044037_000000252079_00448_38077_2543.N1	12-JUN-2009 04:40:37	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38077	No
39	GOM_NL__2PRFIN20090612_045902_000000322079_00448_38077_2544.N1	12-JUN-2009 04:59:02	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38077	No
40	GOM_NL__2PRFIN20090612_050933_000000452079_00449_38078_2546.N1	12-JUN-2009 05:09:33	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38078	No
41	GOM_NL__2PRFIN20090612_051129_000000342079_00449_38078_2547.N1	12-JUN-2009 05:11:29	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38078	No
42	GOM_NL__2PRFIN20090612_051331_000000352079_00449_38078_2548.N1	12-JUN-2009 05:13:31	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38078	No

43	GOM_NL__2PRFIN20090612_051507_000000432079_00449_38078_2549.N1	12-JUN-2009 05:15:07	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38078	No
44	GOM_NL__2PRFIN20090612_052731_000000302079_00449_38078_2550.N1	12-JUN-2009 05:27:31	Tw_i_and_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38078	No
45	GOM_NL__2PRFIN20090612_052930_000000362079_00449_38078_2551.N1	12-JUN-2009 05:29:30	Tw_i_and_stray	36.000	57	34Sig Sgr	2.0660	26000.	72	38078	No
46	GOM_NL__2PRFIN20090612_054127_000000332079_00449_38078_2552.N1	12-JUN-2009 05:41:27	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38078	No
47	GOM_NL__2PRFIN20090612_054402_000000332079_00449_38078_2553.N1	12-JUN-2009 05:44:02	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38078	No
48	GOM_NL__2PRFIN20090612_055555_000000302079_00449_38078_2554.N1	12-JUN-2009 05:55:55	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38078	No
49	GOM_NL__2PRFIN20090612_060633_000000312079_00449_38078_2555.N1	12-JUN-2009 06:06:33	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	38078	No
50	GOM_NL__2PRFIN20090612_061240_000000262079_00449_38078_2556.N1	12-JUN-2009 06:12:40	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38078	No
51	GOM_NL__2PRFIN20090612_062113_000000252079_00449_38078_2557.N1	12-JUN-2009 06:21:13	Tw_i_and_stray	24.500	53	43Bet And	2.0480	3300.0	49	38078	No
52	GOM_NL__2PRFIN20090612_063939_000000322079_00449_38078_2558.N1	12-JUN-2009 06:39:39	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38078	No
53	GOM_NL__2PRFIN20090612_083048_000000452079_00451_38080_2573.N1	12-JUN-2009 08:30:48	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38080	No
54	GOM_NL__2PRFIN20090612_083242_000000342079_00451_38080_2574.N1	12-JUN-2009 08:32:42	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38080	No
55	GOM_NL__2PRFIN20090612_083445_000000352079_00451_38080_2575.N1	12-JUN-2009 08:34:45	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38080	No
56	GOM_NL__2PRFIN20090612_083622_000000432079_00451_38080_2576.N1	12-JUN-2009 08:36:22	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38080	No
57	GOM_NL__2PRFIN20090612_084843_000000312079_00451_38080_2577.N1	12-JUN-2009 08:48:43	Tw_i_and_stray	30.500	38	20Eps Sgr	1.8360	11000.	61	38080	No
58	GOM_NL__2PRFIN20090612_085042_000000352079_00451_38080_2578.N1	12-JUN-2009 08:50:42	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38080	No
59	GOM_NL__2PRFIN20090612_090238_000000342079_00451_38080_2579.N1	12-JUN-2009 09:02:38	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38080	No
60	GOM_NL__2PRFIN20090612_090514_000000332079_00451_38080_2580.N1	12-JUN-2009 09:05:14	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38080	No
61	GOM_NL__2PRFIN20090612_091706_000000302079_00451_38080_2581.N1	12-JUN-2009 09:17:06	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38080	No
62	GOM_NL__2PRFIN20090612_092743_000000322079_00451_38080_2582.N1	12-JUN-2009 09:27:43	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38080	No
63	GOM_NL__2PRFIN20090612_093351_000000262079_00451_38080_2583.N1	12-JUN-2009 09:33:51	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38080	No
64	GOM_NL__2PRFIN20090612_094225_000000252079_00451_38080_2584.N1	12-JUN-2009 09:42:25	Tw_i_and_stray	24.500	53	43Bet And	2.0480	3300.0	49	38080	No
65	GOM_NL__2PRFIN20090612_100053_000000322079_00451_38080_2585.N1	12-JUN-2009 10:00:53	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38080	No
66	GOM_NL__2PRFIN20090612_101125_000000452079_00452_38081_2587.N1	12-JUN-2009 10:11:25	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	38081	No
67	GOM_NL__2PRFIN20090612_101319_000000342079_00452_38081_2588.N1	12-JUN-2009 10:13:19	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38081	No
68	GOM_NL__2PRFIN20090612_101522_000000352079_00452_38081_2589.N1	12-JUN-2009 10:15:22	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38081	No
69	GOM_NL__2PRFIN20090612_101659_000000432079_00452_38081_2590.N1	12-JUN-2009 10:16:59	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38081	No
70	GOM_NL__2PRFIN20090612_102919_000000312079_00452_38081_2591.N1	12-JUN-2009 10:29:19	Tw_i_and_stray	30.500	38	20Eps Sgr	1.8360	11000.	61	38081	No
71	GOM_NL__2PRFIN20090612_103119_000000352079_00452_38081_2592.N1	12-JUN-2009 10:31:19	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38081	No
72	GOM_NL__2PRFIN20090612_104314_000000332079_00452_38081_2593.N1	12-JUN-2009 10:43:14	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38081	No
73	GOM_NL__2PRFIN20090612_104549_000000332079_00452_38081_2594.N1	12-JUN-2009 10:45:49	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38081	No
74	GOM_NL__2PRFIN20090612_105742_000000302079_00452_38081_2595.N1	12-JUN-2009 10:57:42	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38081	No
75	GOM_NL__2PRFIN20090612_110819_000000312079_00452_38081_2596.N1	12-JUN-2009 11:08:19	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	38081	No
76	GOM_NL__2PRFIN20090612_111427_000000262079_00452_38081_2597.N1	12-JUN-2009 11:14:27	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38081	No
77	GOM_NL__2PRFIN20090612_112301_000000252079_00452_38081_2598.N1	12-JUN-2009 11:23:01	Tw_i_and_stray	25.000	53	43Bet And	2.0480	3300.0	50	38081	No
78	GOM_NL__2PRFIN20090612_114130_000000312079_00452_38081_2599.N1	12-JUN-2009 11:41:30	Dark	31.000	52	16Bet Cet	2.0370	4500.0	62	38081	No
79	GOM_NL__2PRFIN20090612_115203_000000462079_00453_38082_2602.N1	12-JUN-2009 11:52:03	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38082	No
80	GOM_NL__2PRFIN20090612_115356_000000342079_00453_38082_2603.N1	12-JUN-2009 11:53:56	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38082	No
81	GOM_NL__2PRFIN20090612_115558_000000352079_00453_38082_2604.N1	12-JUN-2009 11:55:58	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38082	No
82	GOM_NL__2PRFIN20090612_115736_000000432079_00453_38082_2605.N1	12-JUN-2009 11:57:36	Straylight	43.000	172	Gam Gru	3.0030	13100.	86	38082	No
83	GOM_NL__2PRFIN20090612_120956_000000312079_00453_38082_2606.N1	12-JUN-2009 12:09:56	Tw_i_and_stray	30.500	38	20Eps Sgr	1.8360	11000.	61	38082	No
84	GOM_NL__2PRFIN20090612_121155_000000352079_00453_38082_2607.N1	12-JUN-2009 12:11:55	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38082	No
85	GOM_NL__2PRFIN20090612_122349_000000342079_00453_38082_2608.N1	12-JUN-2009 12:23:49	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38082	No
86	GOM_NL__2PRFIN20090612_122624_000000332079_00453_38082_2609.N1	12-JUN-2009 12:26:24	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38082	No
87	GOM_NL__2PRFIN20090612_123817_000000302079_00453_38082_2610.N1	12-JUN-2009 12:38:17	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38082	No
88	GOM_NL__2PRFIN20090612_124853_000000322079_00453_38082_2611.N1	12-JUN-2009 12:48:53	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38082	No
89	GOM_NL__2PRFIN20090612_125502_000000262079_00453_38082_2612.N1	12-JUN-2009 12:55:02	Tw_i_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38082	No
90	GOM_NL__2PRFIN20090612_130337_000000252079_00453_38082_2613.N1	12-JUN-2009 13:03:37	Tw_i_and_stray	25.000	53	43Bet And	2.0480	3300.0	50	38082	No
91	GOM_NL__2PRFIN20090612_132207_000000322079_00453_38082_2614.N1	12-JUN-2009 13:22:07	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38082	No
92	GOM_NL__2PRFIN20090612_133240_000000462079_00454_38083_2616.N1	12-JUN-2009 13:32:40	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38083	No
93	GOM_NL__2PRFIN20090612_133433_000000342079_00454_38083_2617.N1	12-JUN-2009 13:34:33	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38083	No
94	GOM_NL__2PRFIN20090612_133635_000000352079_00454_38083_2618.N1	12-JUN-2009 13:36:35	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38083	No
95	GOM_NL__2PRFIN20090612_133814_000000432079_00454_38083_2619.N1	12-JUN-2009 13:38:14	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38083	No
96	GOM_NL__2PRFIN20090612_135032_000000302079_00454_38083_2620.N1	12-JUN-2009 13:50:32	Tw_i_and_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38083	No
97	GOM_NL__2PRFIN20090612_135231_000000352079_00454_38083_2621.N1	12-JUN-2009 13:52:31	Tw_i_and_stray	35.000	57	34Sig Sgr	2.0660	26000.	70	38083	No
98	GOM_NL__2PRFIN20090612_140425_000000342079_00454_38083_2622.N1	12-JUN-2009 14:04:25	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	38083	No
99	GOM_NL__2PRFIN20090612_140700_000000332079_00454_38083_2623.N1	12-JUN-2009 14:07:00	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38083	No
100	GOM_NL__2PRFIN20090612_141852_000000302079_00454_38083_2624.N1	12-JUN-2009 14:18:52	Bright	30.000	130	23Bet Dra	2.7990	5800.0	60	38083	No
101	GOM_NL__2PRFIN20090612_142929_000000322079_00454_38083_2625.N1	12-JUN-2009 14:29:29	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38083	No

102	GOM_NL__2PRFIN20090612_143538_000000262079_00454_38083_2626.N1	12-JUN-2009 14:35:38	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38083	No
103	GOM_NL__2PRFIN20090612_144413_000000252079_00454_38083_2627.N1	12-JUN-2009 14:44:13	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38083	No
104	GOM_NL__2PRFIN20090612_150243_000000322079_00454_38083_2628.N1	12-JUN-2009 15:02:43	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38083	No
105	GOM_NL__2PRFIN20090612_151318_000000462079_00455_38084_2631.N1	12-JUN-2009 15:13:18	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38084	No
106	GOM_NL__2PRFIN20090612_151510_000000342079_00455_38084_2632.N1	12-JUN-2009 15:15:10	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38084	No
107	GOM_NL__2PRFIN20090612_151712_000000352079_00455_38084_2633.N1	12-JUN-2009 15:17:12	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38084	No
108	GOM_NL__2PRFIN20090612_151851_000000432079_00455_38084_2634.N1	12-JUN-2009 15:18:51	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38084	No
109	GOM_NL__2PRFIN20090612_153108_000000302079_00455_38084_2635.N1	12-JUN-2009 15:31:08	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38084	No
110	GOM_NL__2PRFIN20090612_153307_000000362079_00455_38084_2636.N1	12-JUN-2009 15:33:07	Twilight	35.500	57	34Sig Sgr	2.0660	26000.	71	38084	No
111	GOM_NL__2PRFIN20090612_154501_000000332079_00455_38084_2637.N1	12-JUN-2009 15:45:01	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38084	No
112	GOM_NL__2PRFIN20090612_154736_000000332079_00455_38084_2638.N1	12-JUN-2009 15:47:36	Bright	32.500	59	55Alp Oph	2.0800	8900.0	65	38084	No
113	GOM_NL__2PRFIN20090612_155928_000000302079_00455_38084_2639.N1	12-JUN-2009 15:59:28	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38084	No
114	GOM_NL__2PRFIN20090612_161004_000000312079_00455_38084_2640.N1	12-JUN-2009 16:10:04	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38084	No
115	GOM_NL__2PRFIN20090612_161614_000000262079_00455_38084_2641.N1	12-JUN-2009 16:16:14	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38084	No
116	GOM_NL__2PRFIN20090612_162449_000000252079_00455_38084_2642.N1	12-JUN-2009 16:24:49	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38084	No
117	GOM_NL__2PRFIN20090612_164320_000000322079_00455_38084_2643.N1	12-JUN-2009 16:43:20	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38084	No
118	GOM_NL__2PRFIN20090612_165355_000000462079_00456_38085_2646.N1	12-JUN-2009 16:53:55	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38085	No
119	GOM_NL__2PRFIN20090612_165547_000000342079_00456_38085_2647.N1	12-JUN-2009 16:55:47	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38085	No
120	GOM_NL__2PRFIN20090612_165749_000000352079_00456_38085_2648.N1	12-JUN-2009 16:57:49	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38085	No
121	GOM_NL__2PRFIN20090612_165928_000000432079_00456_38085_2649.N1	12-JUN-2009 16:59:28	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38085	No
122	GOM_NL__2PRFIN20090612_171145_000000302079_00456_38085_2650.N1	12-JUN-2009 17:11:45	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38085	No
123	GOM_NL__2PRFIN20090612_171344_000000362079_00456_38085_2651.N1	12-JUN-2009 17:13:44	Twilight	36.000	57	34Sig Sgr	2.0660	26000.	72	38085	No
124	GOM_NL__2PRFIN20090612_172536_000000332079_00456_38085_2652.N1	12-JUN-2009 17:25:36	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38085	No
125	GOM_NL__2PRFIN20090612_172811_000000332079_00456_38085_2653.N1	12-JUN-2009 17:28:11	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38085	No
126	GOM_NL__2PRFIN20090612_174004_000000302079_00456_38085_2654.N1	12-JUN-2009 17:40:04	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38085	No
127	GOM_NL__2PRFIN20090612_175039_000000322079_00456_38085_2655.N1	12-JUN-2009 17:50:39	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38085	No
128	GOM_NL__2PRFIN20090612_175650_000000262079_00456_38085_2656.N1	12-JUN-2009 17:56:50	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38085	No
129	GOM_NL__2PRFIN20090612_180526_000000252079_00456_38085_2657.N1	12-JUN-2009 18:05:26	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38085	No
130	GOM_NL__2PRFIN20090612_182357_000000322079_00456_38085_2658.N1	12-JUN-2009 18:23:57	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38085	No
131	GOM_NL__2PRFIN20090612_183433_000000462079_00457_38086_2662.N1	12-JUN-2009 18:34:33	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38086	No
132	GOM_NL__2PRFIN20090612_183624_000000342079_00457_38086_2663.N1	12-JUN-2009 18:36:24	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38086	No
133	GOM_NL__2PRFIN20090612_183826_000000352079_00457_38086_2664.N1	12-JUN-2009 18:38:26	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38086	No
134	GOM_NL__2PRFIN20090612_184006_000000422079_00457_38086_2665.N1	12-JUN-2009 18:40:06	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38086	No
135	GOM_NL__2PRFIN20090612_185221_000000302079_00457_38086_2666.N1	12-JUN-2009 18:52:21	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38086	No
136	GOM_NL__2PRFIN20090612_185420_000000362079_00457_38086_2667.N1	12-JUN-2009 18:54:20	Twilight	35.500	57	34Sig Sgr	2.0660	26000.	71	38086	No
137	GOM_NL__2PRFIN20090612_190612_000000332079_00457_38086_2668.N1	12-JUN-2009 19:06:12	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38086	No
138	GOM_NL__2PRFIN20090612_190847_000000332079_00457_38086_2669.N1	12-JUN-2009 19:08:47	Bright	32.500	59	55Alp Oph	2.0800	8900.0	65	38086	No
139	GOM_NL__2PRFIN20090612_192039_000000302079_00457_38086_2670.N1	12-JUN-2009 19:20:39	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38086	No
140	GOM_NL__2PRFIN20090612_193115_000000322079_00457_38086_2671.N1	12-JUN-2009 19:31:15	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38086	No
141	GOM_NL__2PRFIN20090612_193725_000000262079_00457_38086_2672.N1	12-JUN-2009 19:37:25	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38086	No
142	GOM_NL__2PRFIN20090612_194602_000000252079_00457_38086_2673.N1	12-JUN-2009 19:46:02	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38086	No
143	GOM_NL__2PRFIN20090612_200434_000000322079_00457_38086_2674.N1	12-JUN-2009 20:04:34	Dark	31.500	52	16Bet Cet	2.0370	4500.0	63	38086	No
144	GOM_NL__2PRFIN20090612_201511_000000462079_00458_38087_2680.N1	12-JUN-2009 20:15:11	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38087	No
145	GOM_NL__2PRFIN20090612_201701_000000342079_00458_38087_2681.N1	12-JUN-2009 20:17:01	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38087	No
146	GOM_NL__2PRFIN20090612_201903_000000352079_00458_38087_2682.N1	12-JUN-2009 20:19:03	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38087	No
147	GOM_NL__2PRFIN20090612_202043_000000422079_00458_38087_2683.N1	12-JUN-2009 20:20:43	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38087	No
148	GOM_NL__2PRFIN20090612_203258_000000302079_00458_38087_2684.N1	12-JUN-2009 20:32:58	Twilight	30.000	38	20Eps Sgr	1.8360	11000.	60	38087	No
149	GOM_NL__2PRFIN20090612_203457_000000362079_00458_38087_2685.N1	12-JUN-2009 20:34:57	Twilight	35.500	57	34Sig Sgr	2.0660	26000.	71	38087	No
150	GOM_NL__2PRFIN20090612_204648_000000332079_00458_38087_2686.N1	12-JUN-2009 20:46:48	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38087	No
151	GOM_NL__2PRFIN20090612_204922_000000332079_00458_38087_2687.N1	12-JUN-2009 20:49:22	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	38087	No
152	GOM_NL__2PRFIN20090612_210115_000000302079_00458_38087_2688.N1	12-JUN-2009 21:01:15	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38087	No
153	GOM_NL__2PRFIN20090612_211150_000000322079_00458_38087_2689.N1	12-JUN-2009 21:11:50	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38087	No
154	GOM_NL__2PRFIN20090612_211801_000000262079_00458_38087_2690.N1	12-JUN-2009 21:18:01	Twilight	26.000	74	11Bet Cas	2.2680	6600.0	52	38087	No
155	GOM_NL__2PRFIN20090612_212637_000000252079_00458_38087_2691.N1	12-JUN-2009 21:26:37	Twilight	24.500	53	43Bet And	2.0480	3300.0	49	38087	No
156	GOM_NL__2PRFIN20090612_214511_000000322079_00458_38087_2692.N1	12-JUN-2009 21:45:11	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38087	No
157	GOM_NL__2PRFIN20090612_215548_000000462079_00459_38088_2709.N1	12-JUN-2009 21:55:48	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38088	No
158	GOM_NL__2PRFIN20090612_215738_000000342079_00459_38088_2710.N1	12-JUN-2009 21:57:38	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38088	No
159	GOM_NL__2PRFIN20090612_215940_000000352079_00459_38088_2711.N1	12-JUN-2009 21:59:40	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38088	No
160	GOM_NL__2PRFIN20090612_220120_000000432079_00459_38088_2712.N1	12-JUN-2009 22:01:20	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38088	No

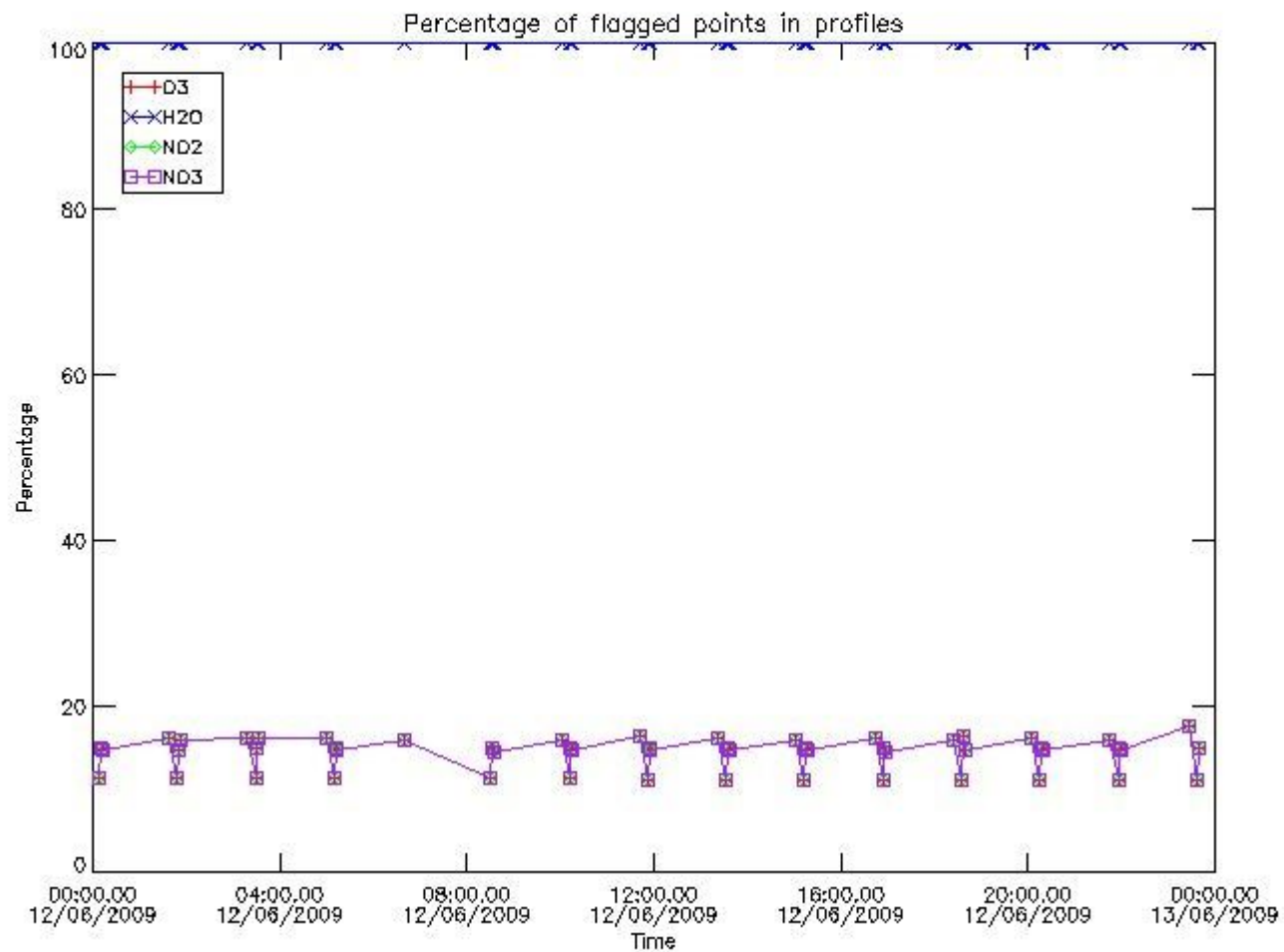


161	GOM_NL__2PRFIN20090612_221334_000000302079_00459_38088_2713.N1	12-JUN-2009 22:13:34	Twilight_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38088	No
162	GOM_NL__2PRFIN20090612_221533_000000362079_00459_38088_2714.N1	12-JUN-2009 22:15:33	Twilight_stray	35.500	57	34Sig Sgr	2.0660	26000.	71	38088	No
163	GOM_NL__2PRFIN20090612_222723_000000332079_00459_38088_2715.N1	12-JUN-2009 22:27:23	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	38088	No
164	GOM_NL__2PRFIN20090612_222958_000000332079_00459_38088_2716.N1	12-JUN-2009 22:29:58	Bright	32.500	59	55Alp Oph	2.0800	8900.0	65	38088	No
165	GOM_NL__2PRFIN20090612_224150_000000302079_00459_38088_2717.N1	12-JUN-2009 22:41:50	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38088	No
166	GOM_NL__2PRFIN20090612_225225_000000322079_00459_38088_2718.N1	12-JUN-2009 22:52:25	Twilight_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38088	No
167	GOM_NL__2PRFIN20090612_225836_000000262079_00459_38088_2719.N1	12-JUN-2009 22:58:36	Twilight_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	38088	No
168	GOM_NL__2PRFIN20090612_230713_000000252079_00459_38088_2720.N1	12-JUN-2009 23:07:13	Twilight_stray	24.500	53	43Bet And	2.0480	3300.0	49	38088	No
169	GOM_NL__2PRFIN20090612_232548_000000322079_00459_38088_2721.N1	12-JUN-2009 23:25:48	Dark	32.000	52	16Bet Cet	2.0370	4500.0	64	38088	No
170	GOM_NL__2PRFIN20090612_233626_000000462079_00460_38089_2725.N1	12-JUN-2009 23:36:26	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	38089	No
171	GOM_NL__2PRFIN20090612_233814_000000342079_00460_38089_2726.N1	12-JUN-2009 23:38:14	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38089	No
172	GOM_NL__2PRFIN20090612_234017_000000342079_00460_38089_2727.N1	12-JUN-2009 23:40:17	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38089	No
173	GOM_NL__2PRFIN20090612_234157_000000432079_00460_38089_2728.N1	12-JUN-2009 23:41:57	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38089	No
174	GOM_NL__2PRFIN20090612_235410_000000302079_00460_38089_2729.N1	12-JUN-2009 23:54:10	Twilight_stray	30.000	38	20Eps Sgr	1.8360	11000.	60	38089	No
175	GOM_NL__2PRFIN20090612_235609_000000362079_00460_38089_2730.N1	12-JUN-2009 23:56:09	Twilight_stray	35.500	57	34Sig Sgr	2.0660	26000.	71	38089	No

### 3. Quality information per product

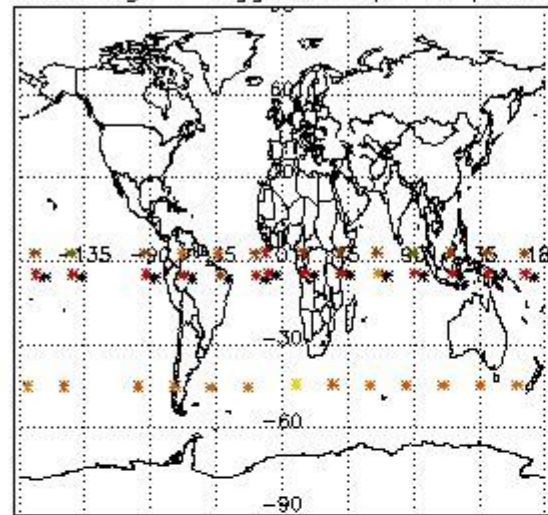
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

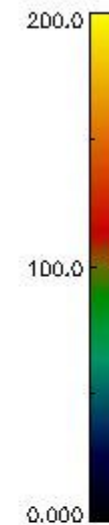
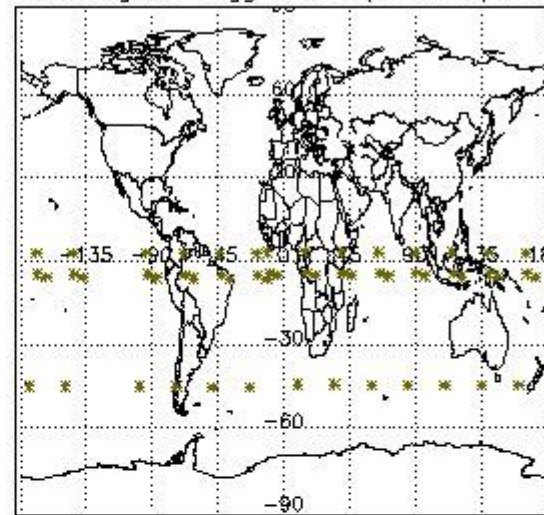


### 3.2 Plot quality information per product (world map)

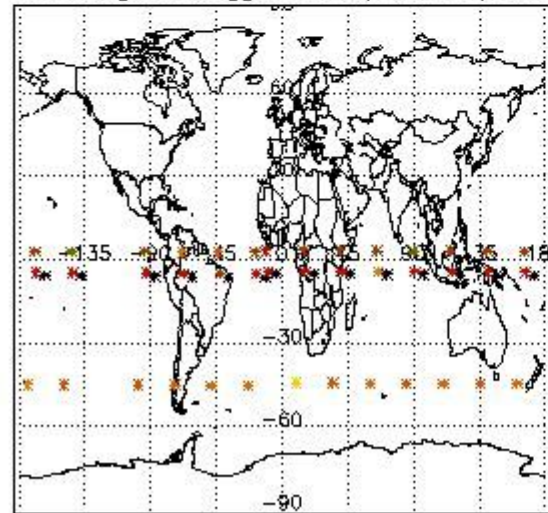
Percentage of flagged data per O3 profile



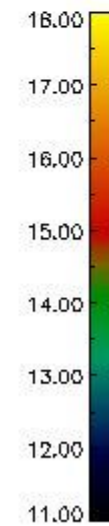
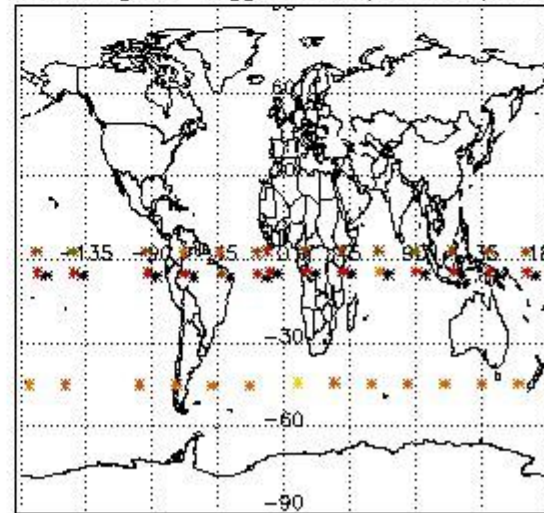
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

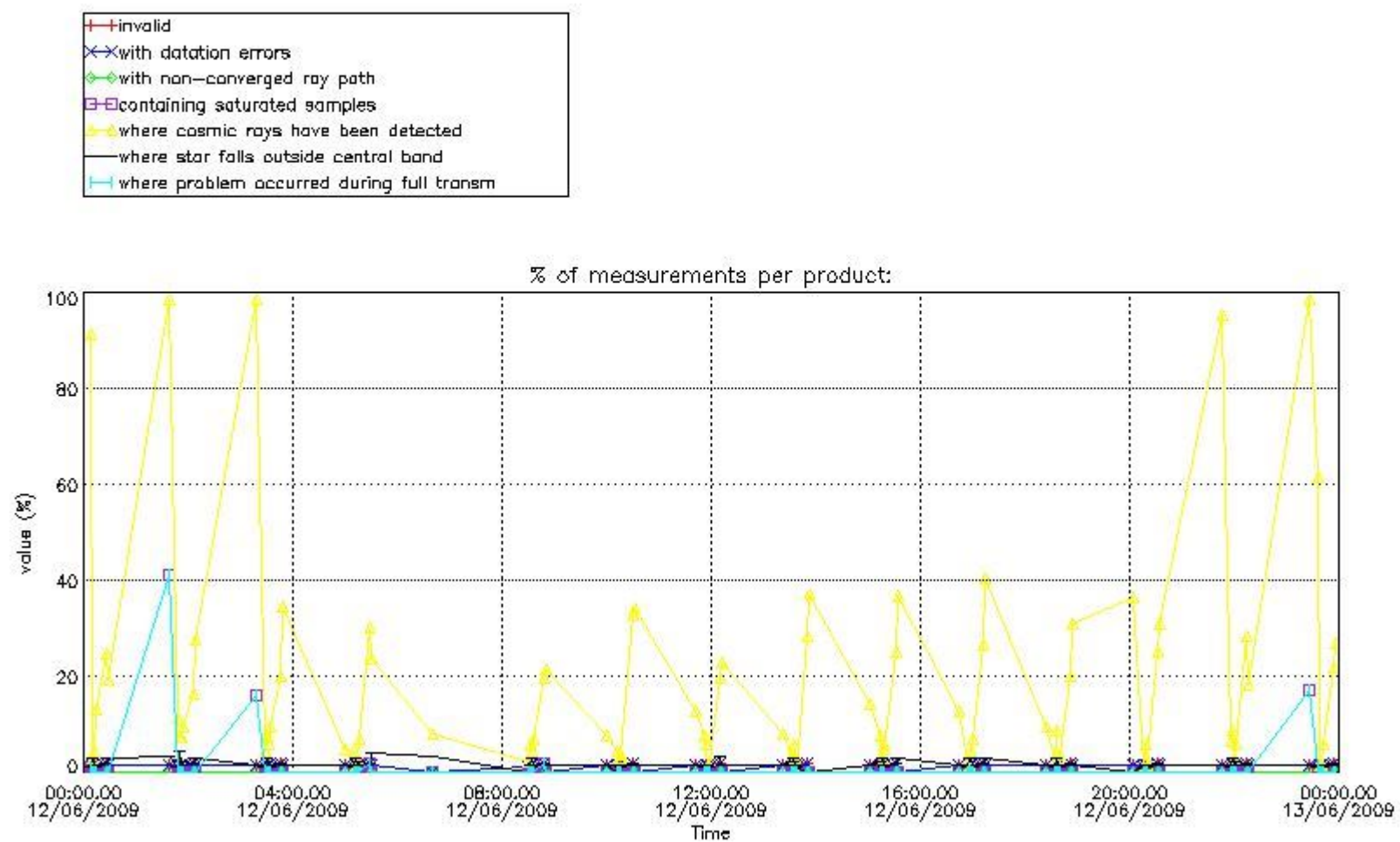


### 4. Level 1 quality information per product

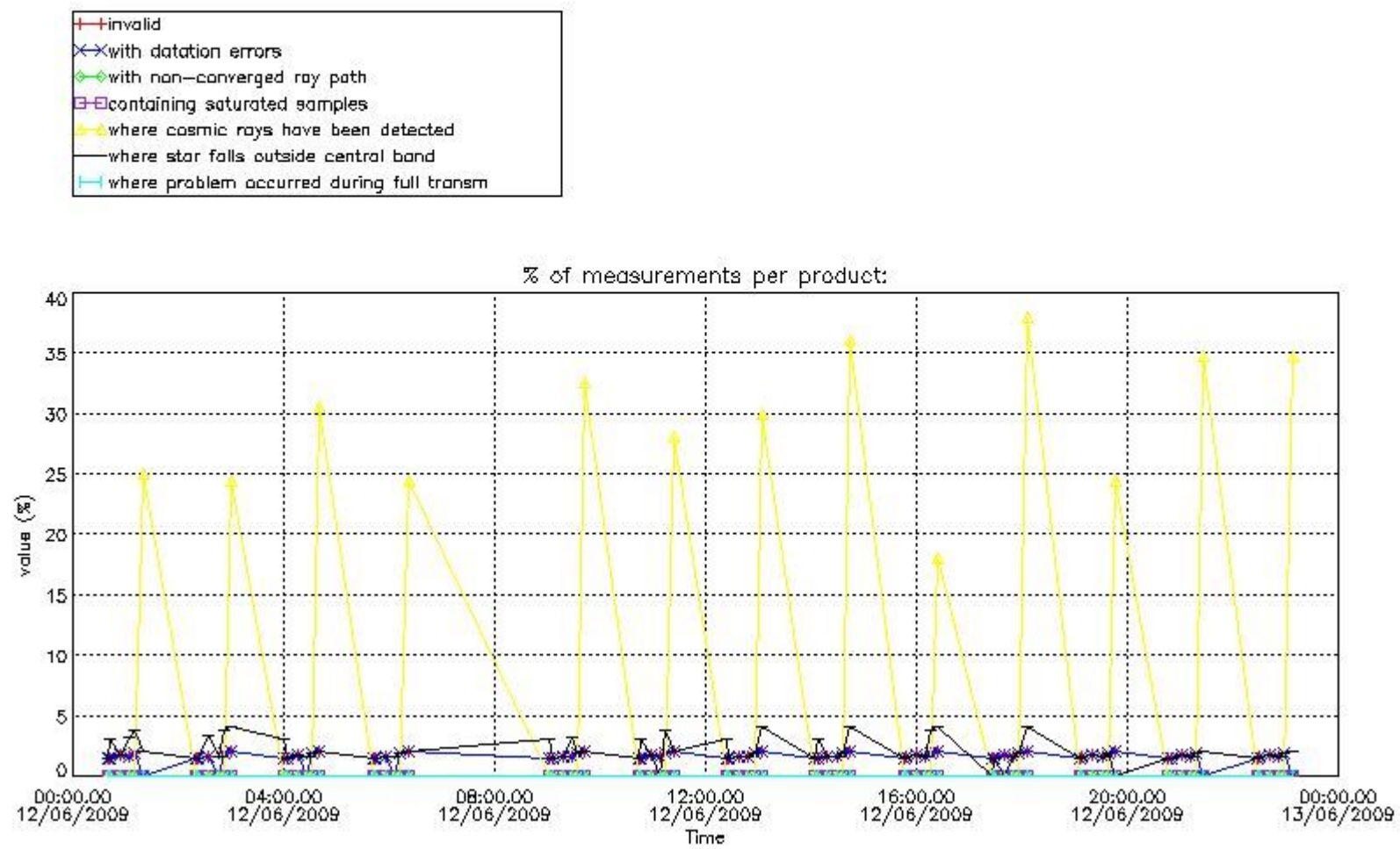
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

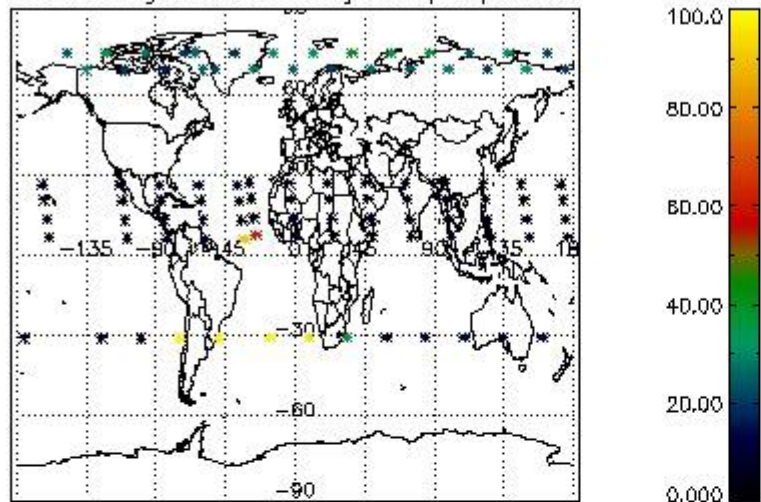


*4.2 Plot quality information per product coming from level 1b processing (world map)*

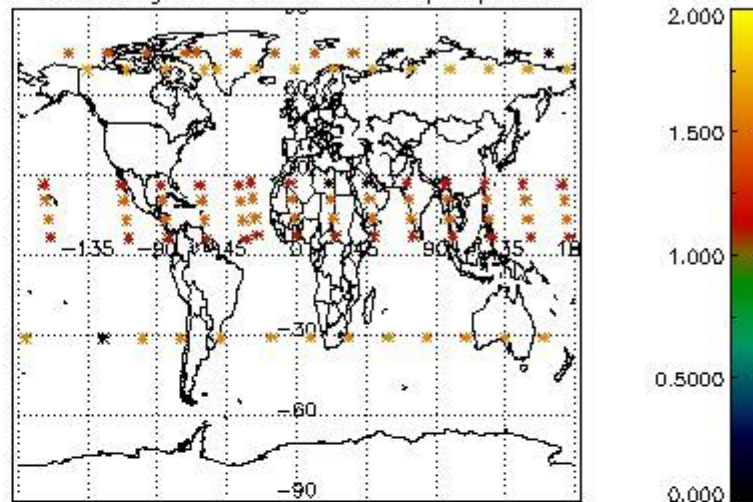
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



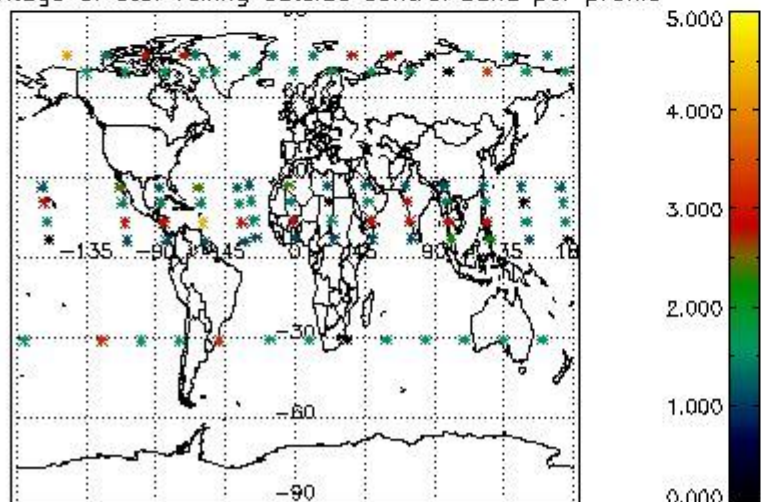
Percentage of cosmic ray hits per profile



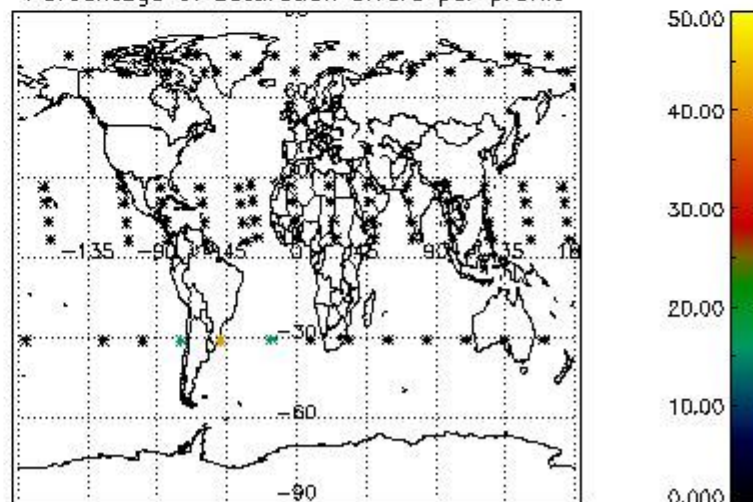
Percentage of datation errors per profile



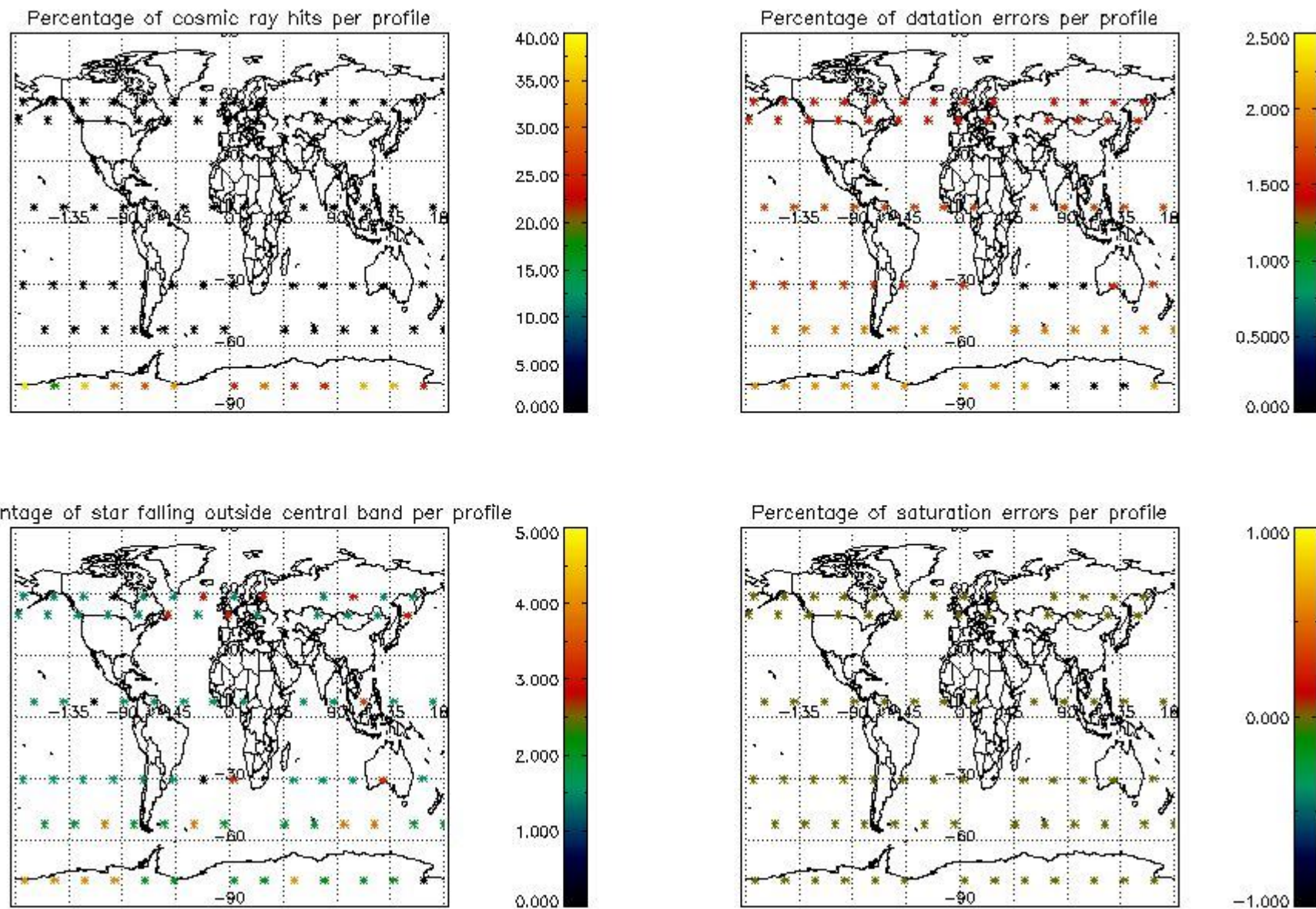
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

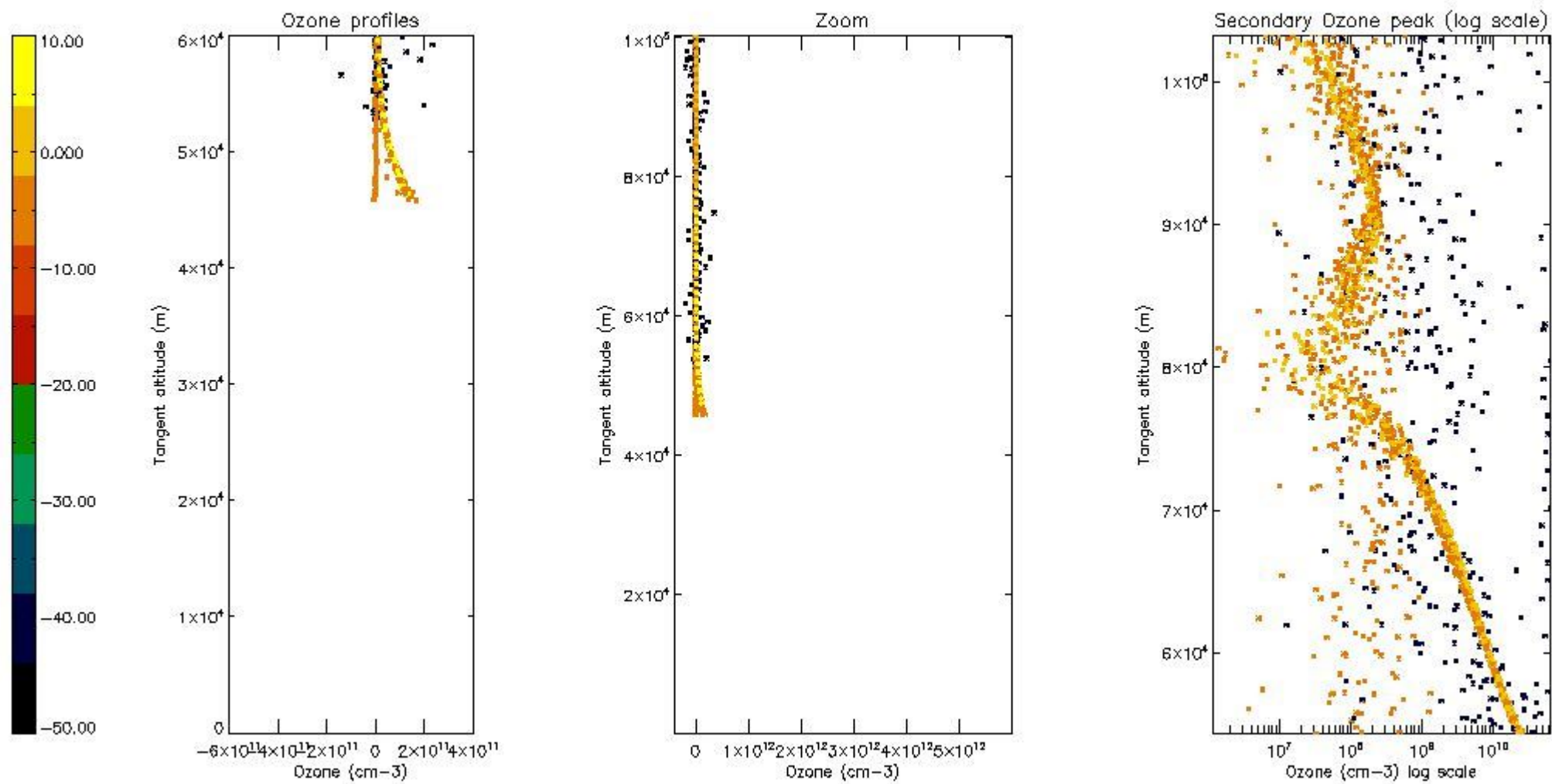
Criteria	% of total production
All STD	35
STD < 20	9



STD < 10	7
STD < 5	7

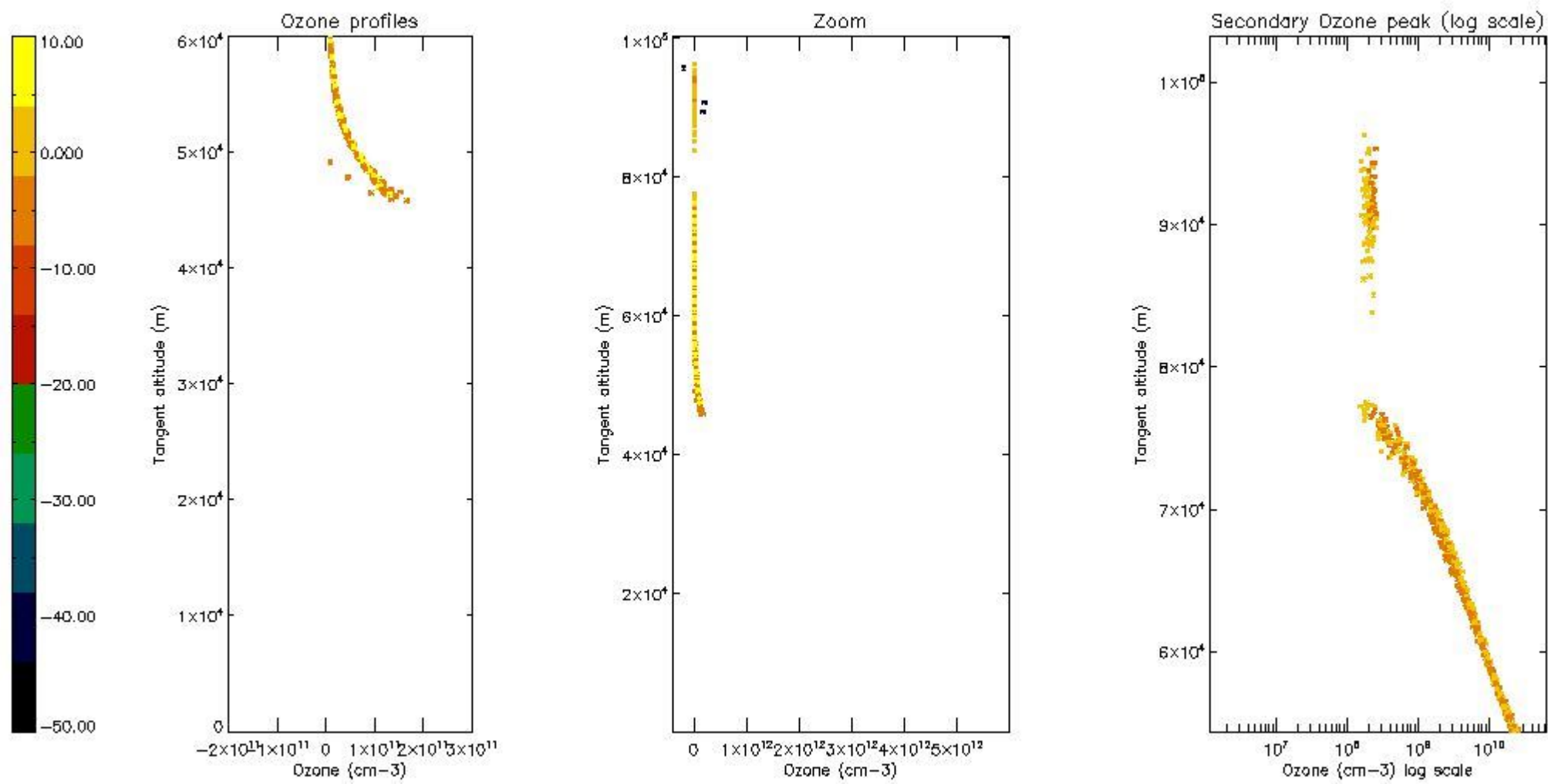
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

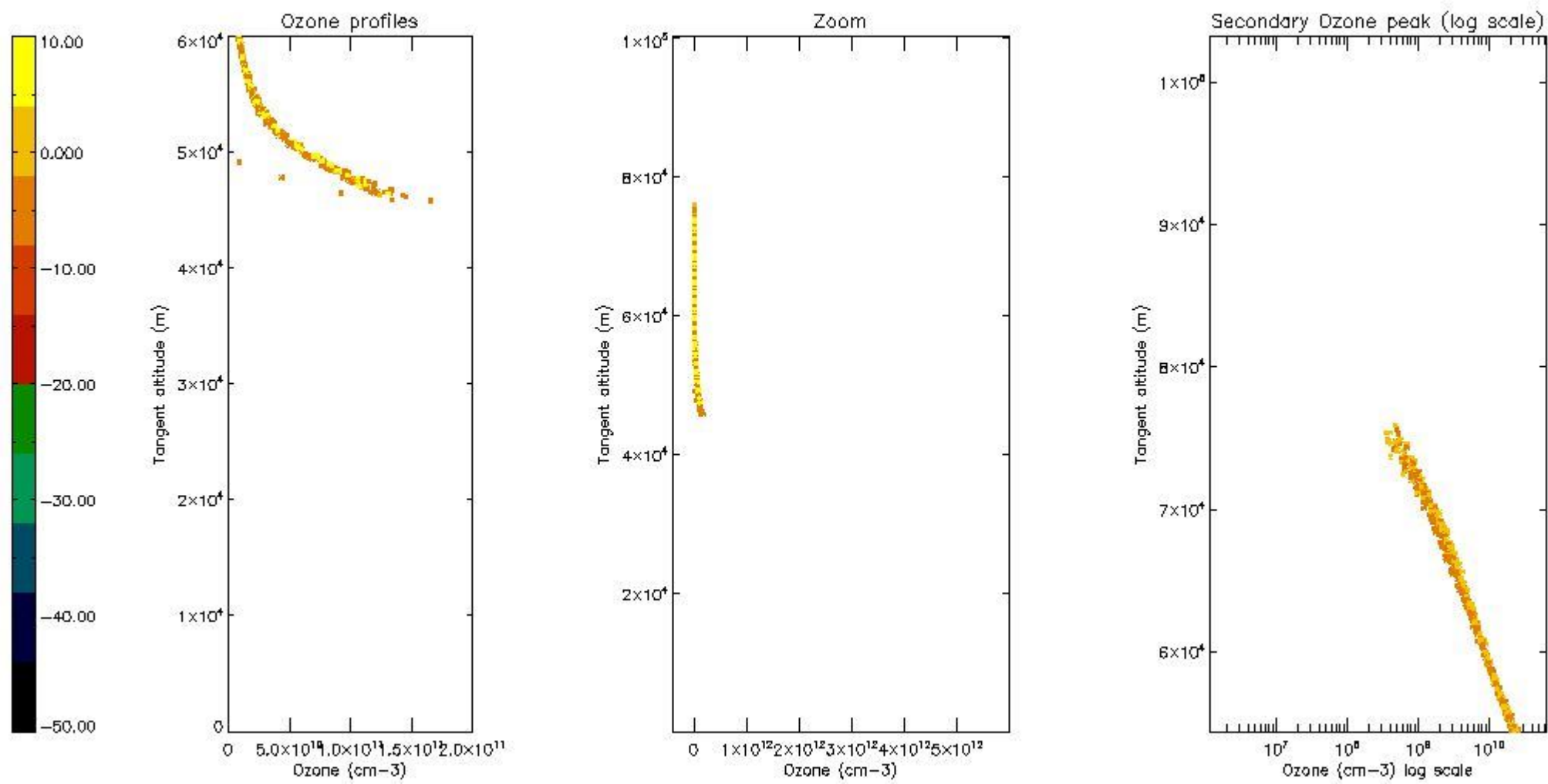
The colorbar represents the latitude.



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

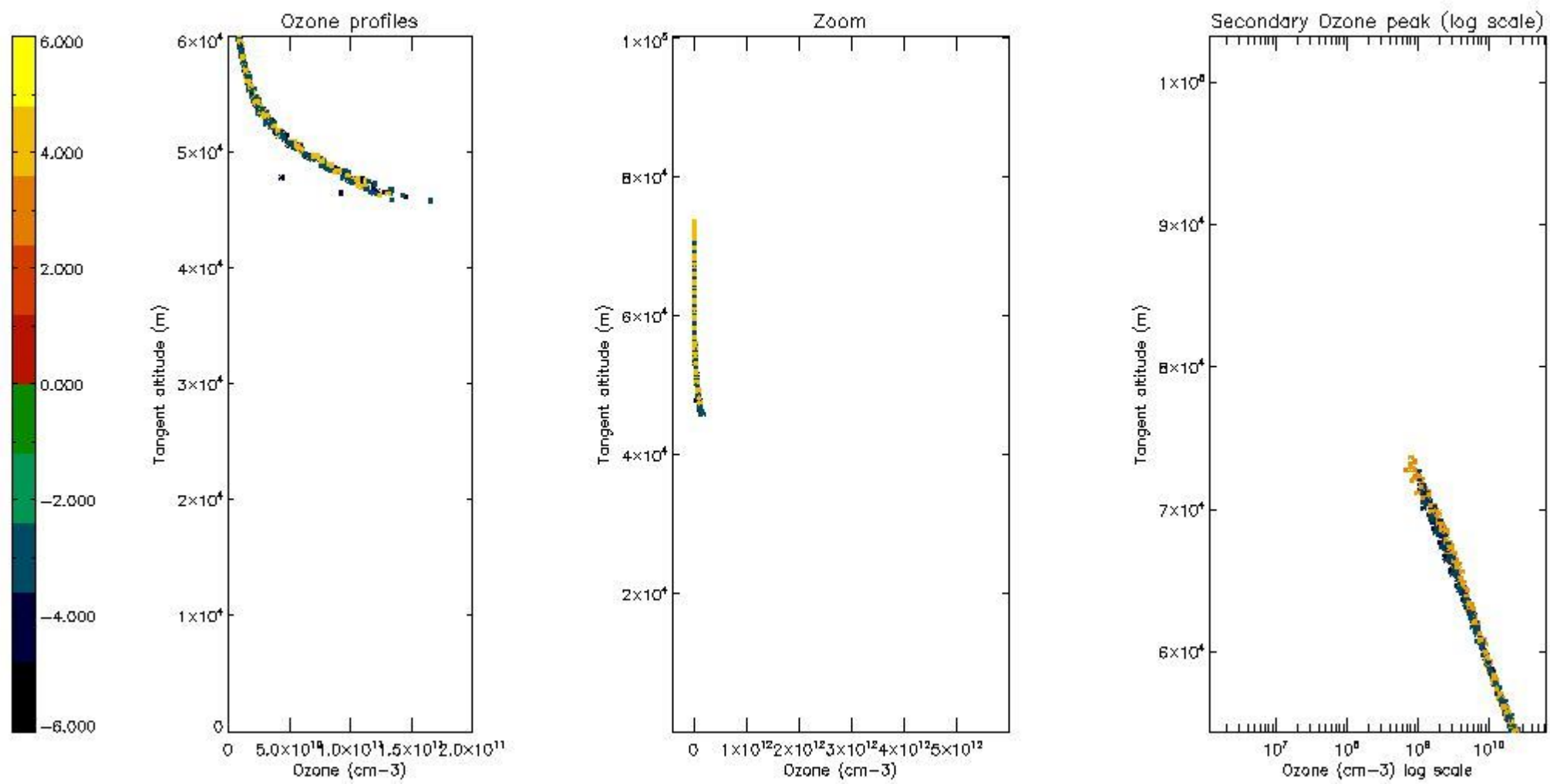
The colorbar represents the latitude.





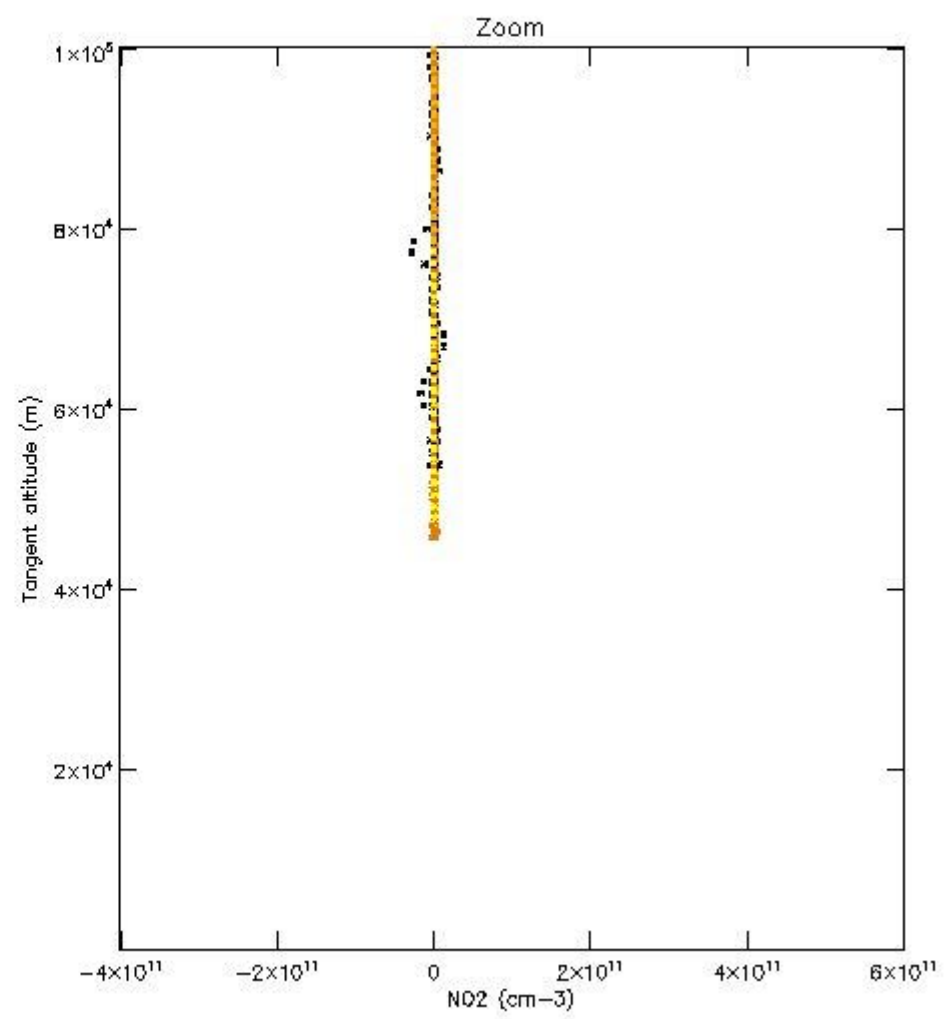
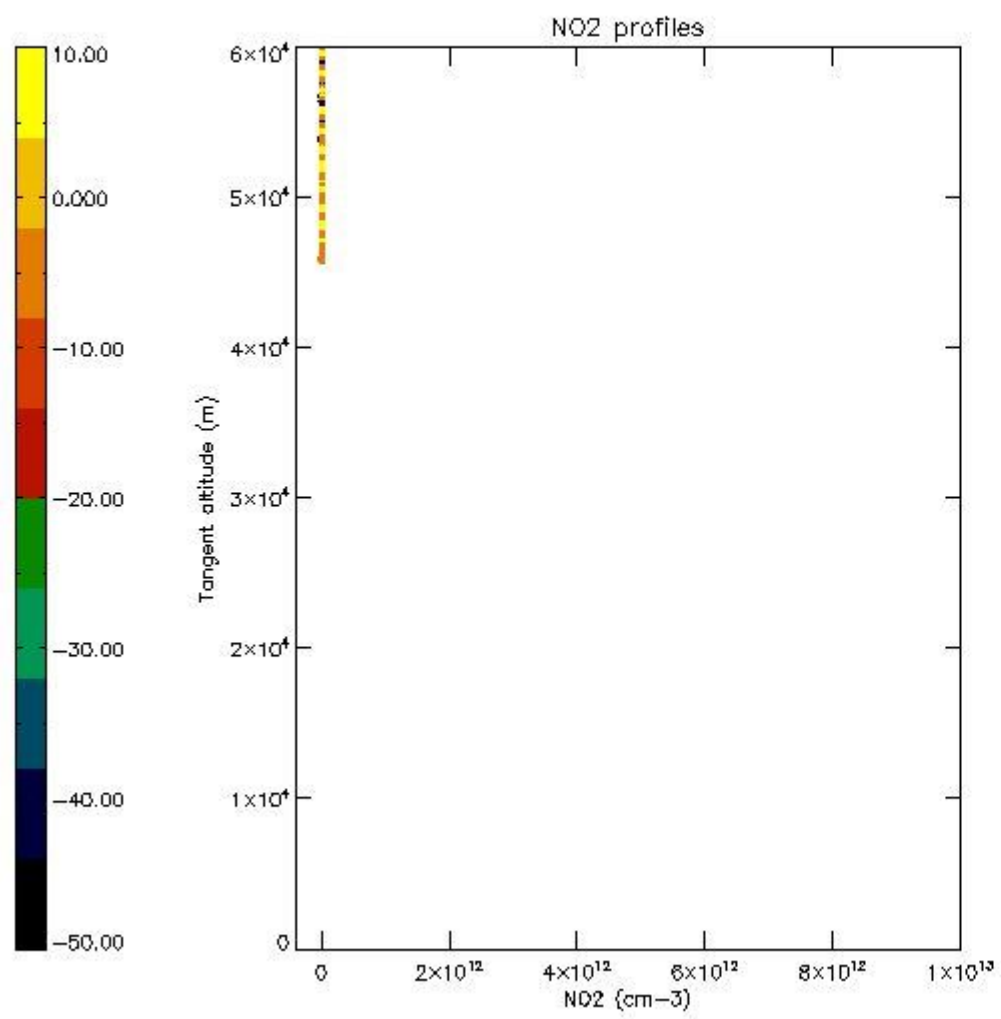
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



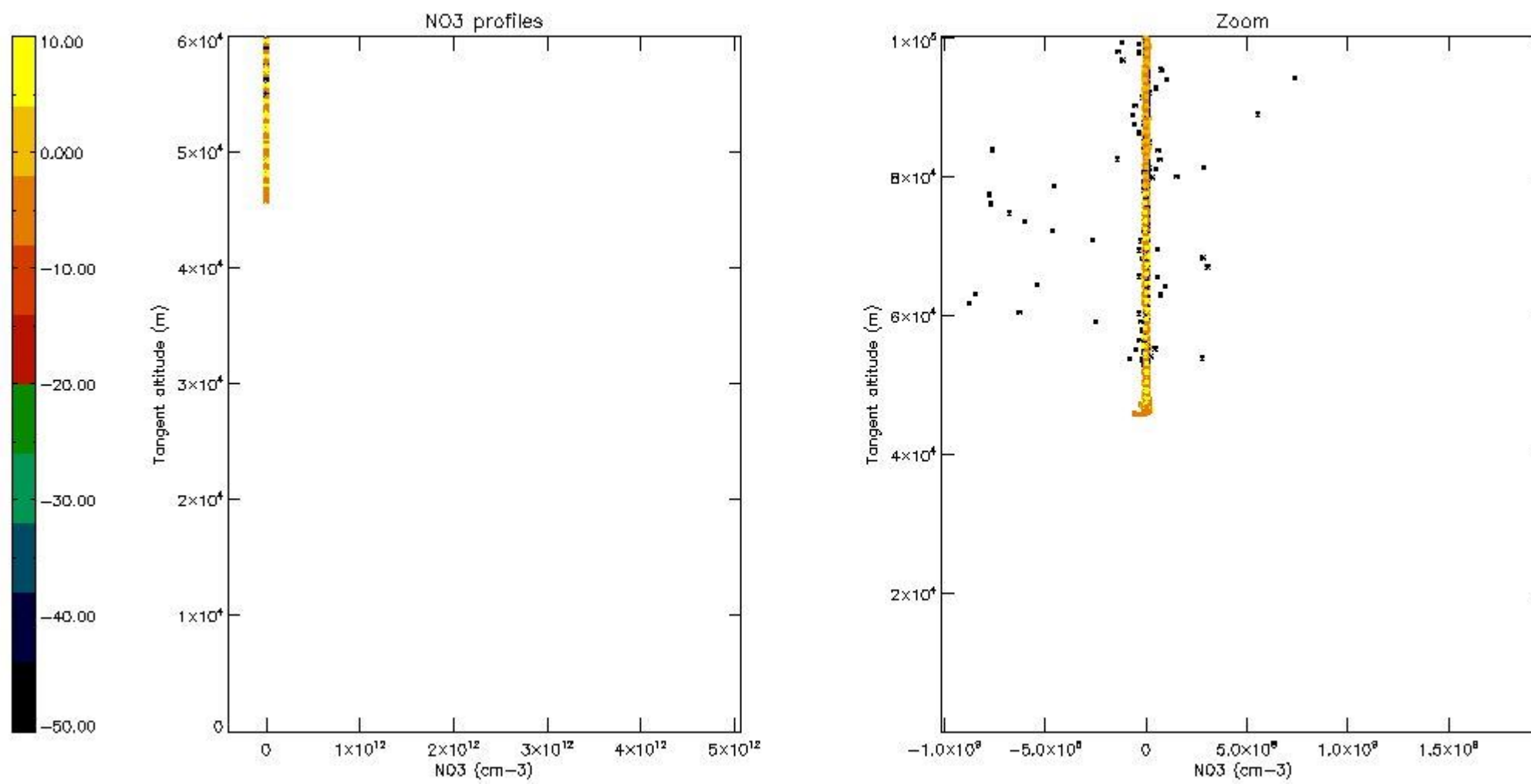
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

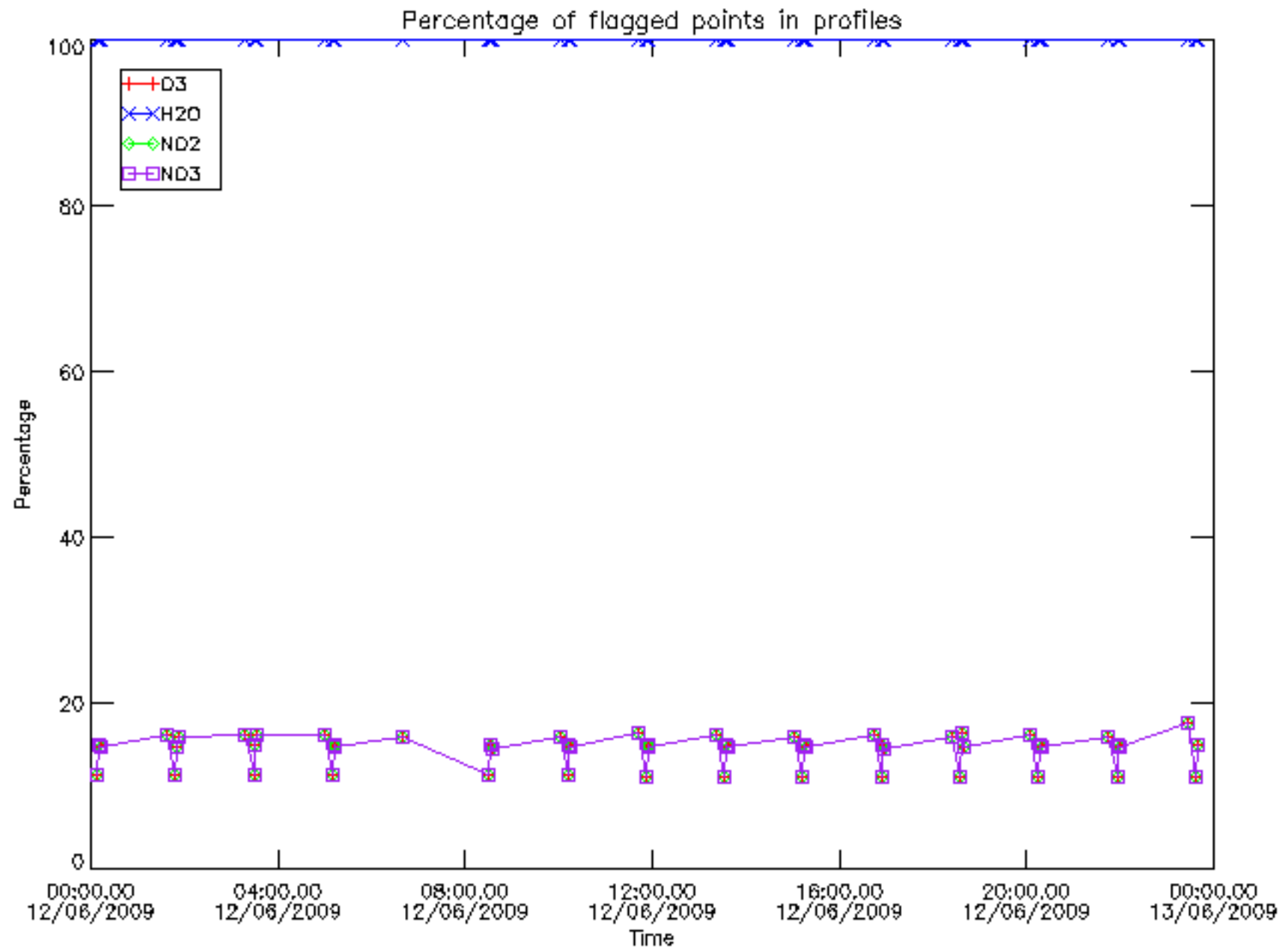


## 6. Auxiliary Data Files used for the production reported in section 2

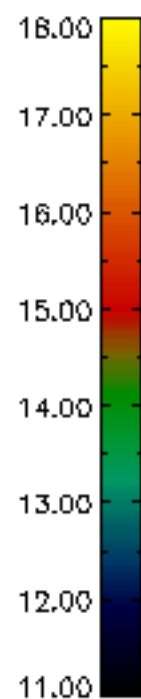
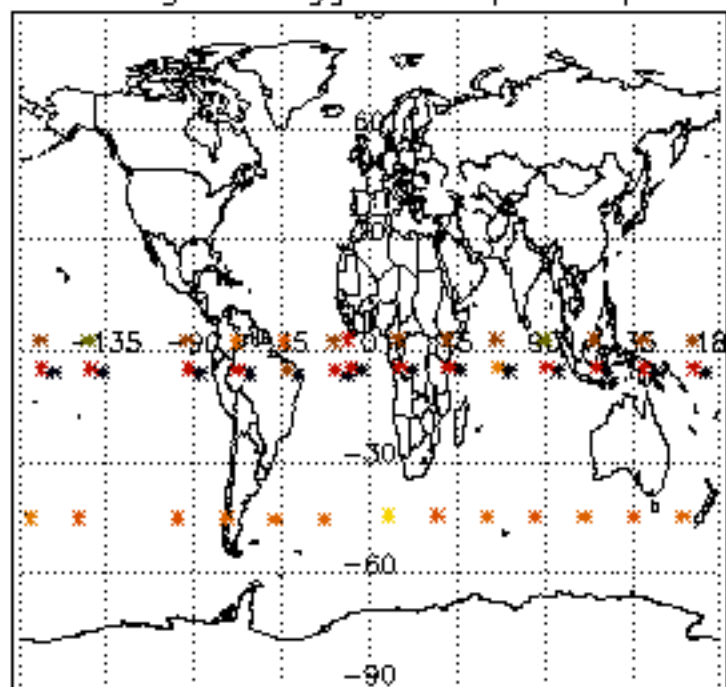
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUN-2009 00:07:40
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUN-2009 00:07:40
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUN-2009 00:07:40

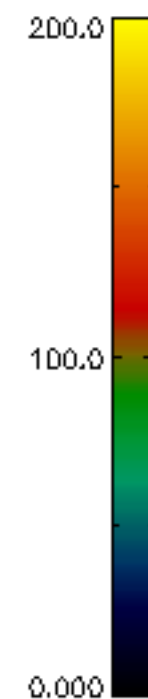
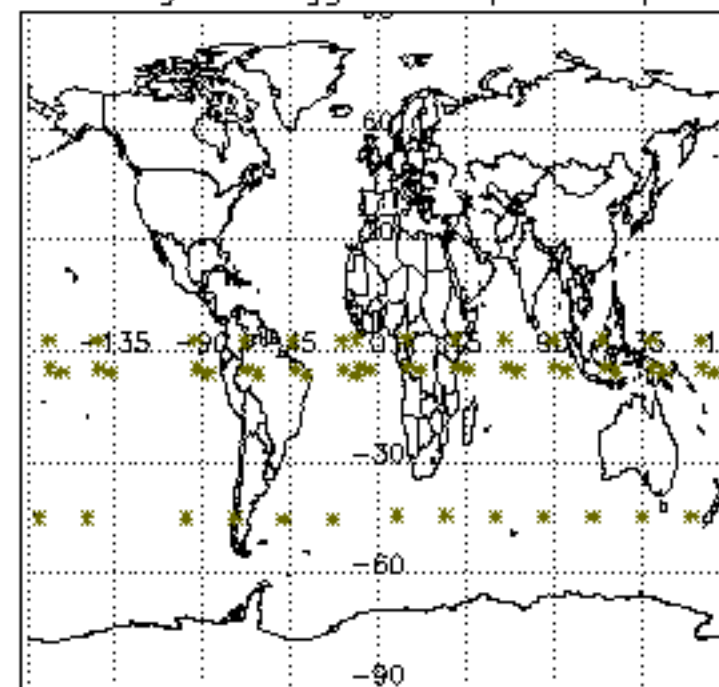




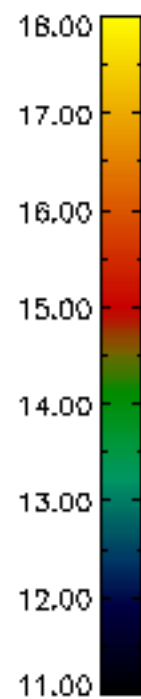
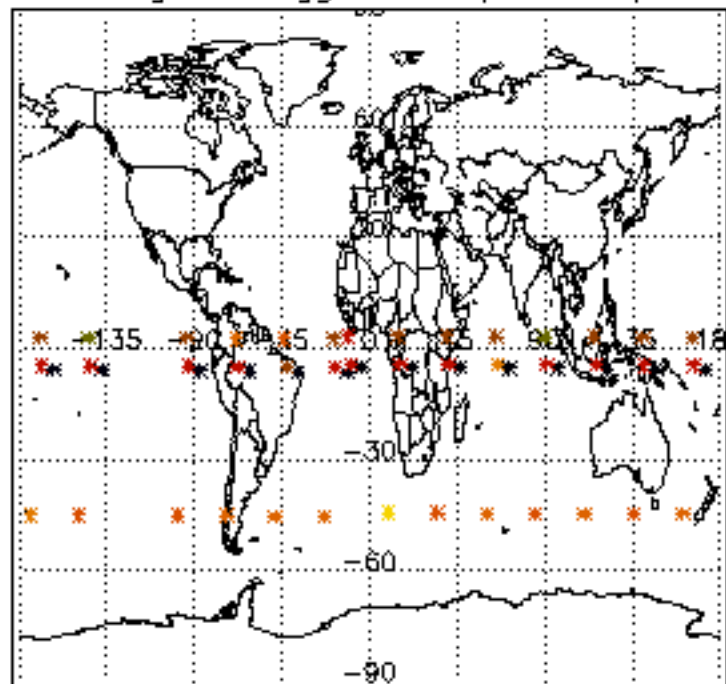
Percentage of flagged data per D3 profile



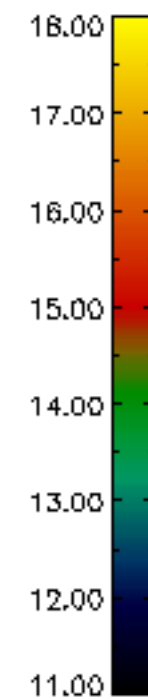
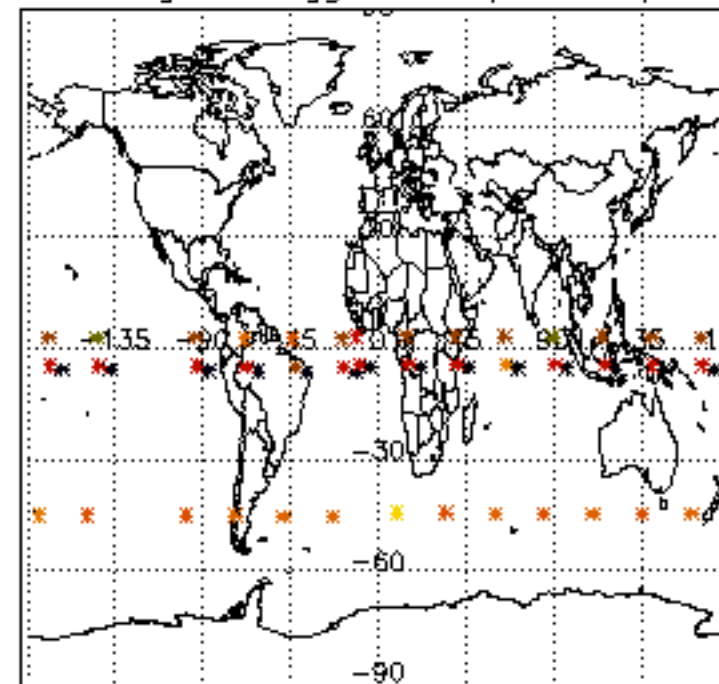
Percentage of flagged data per H2O profile

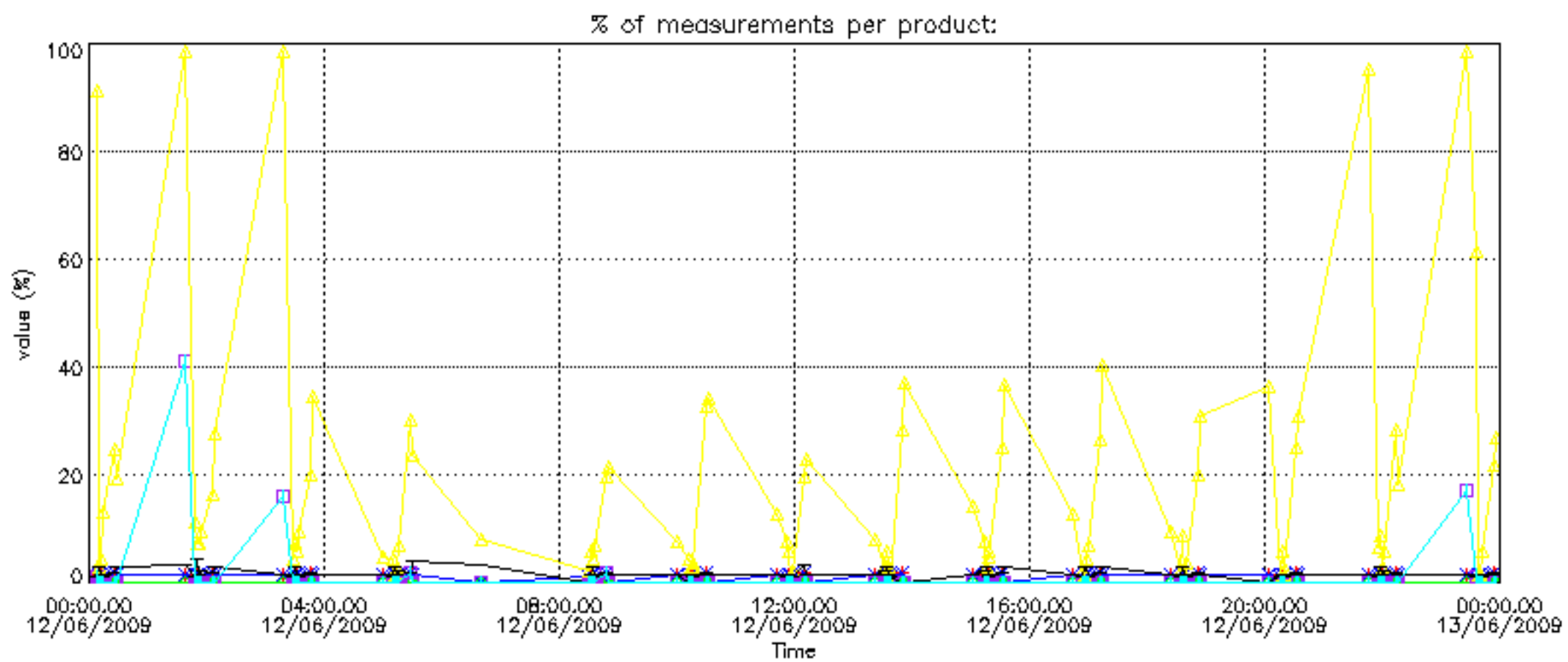


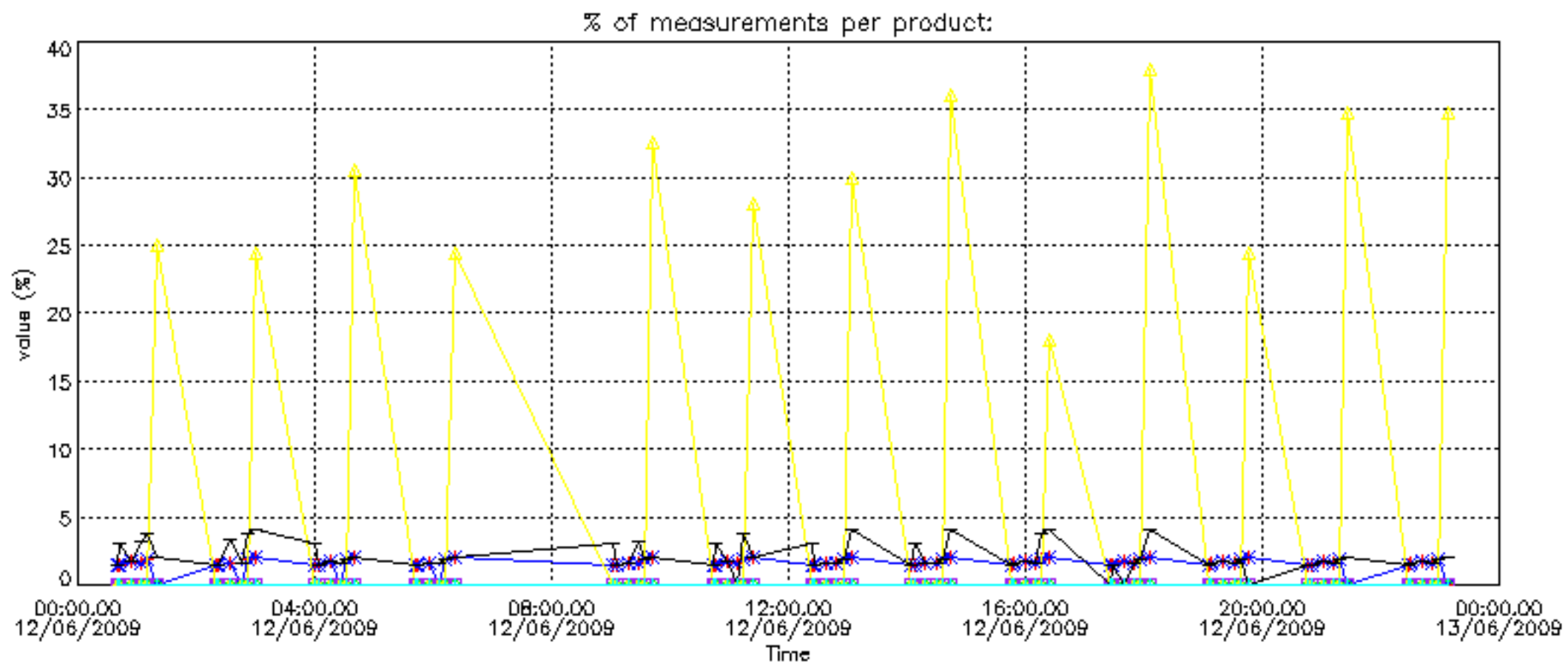
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

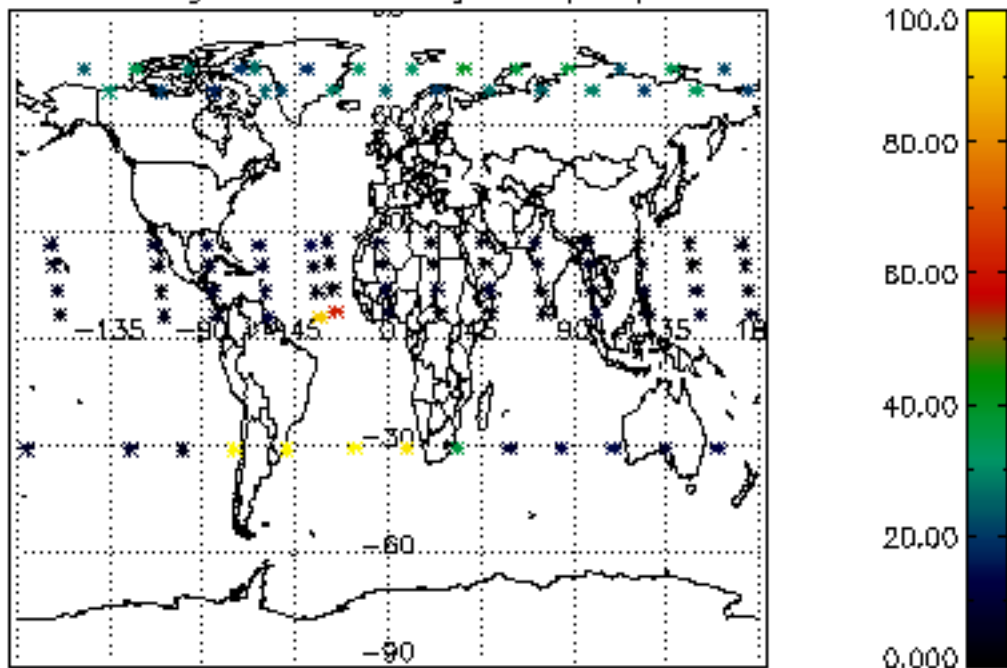




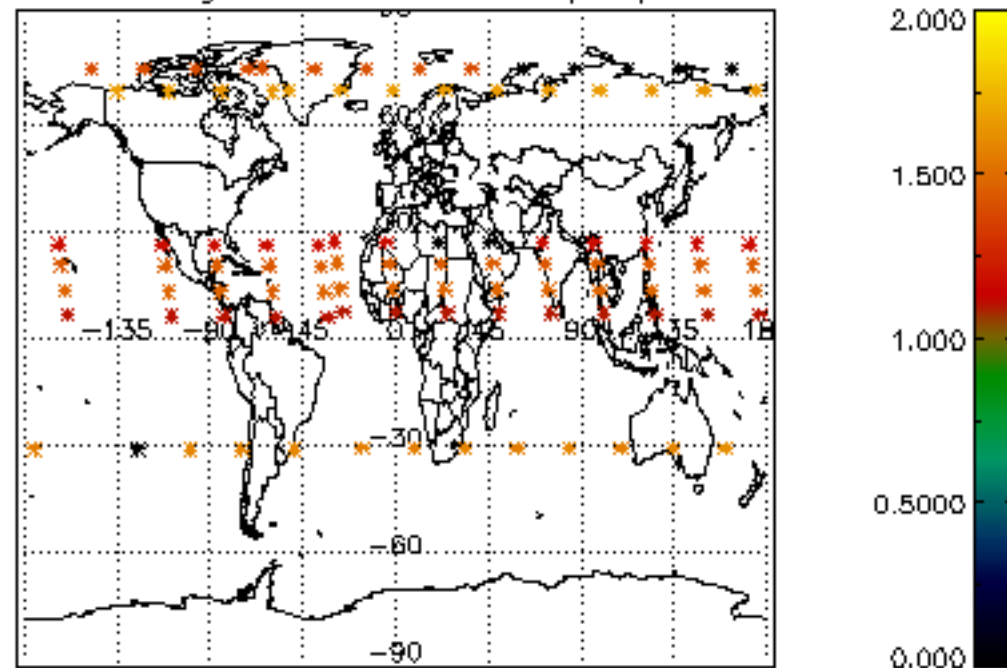




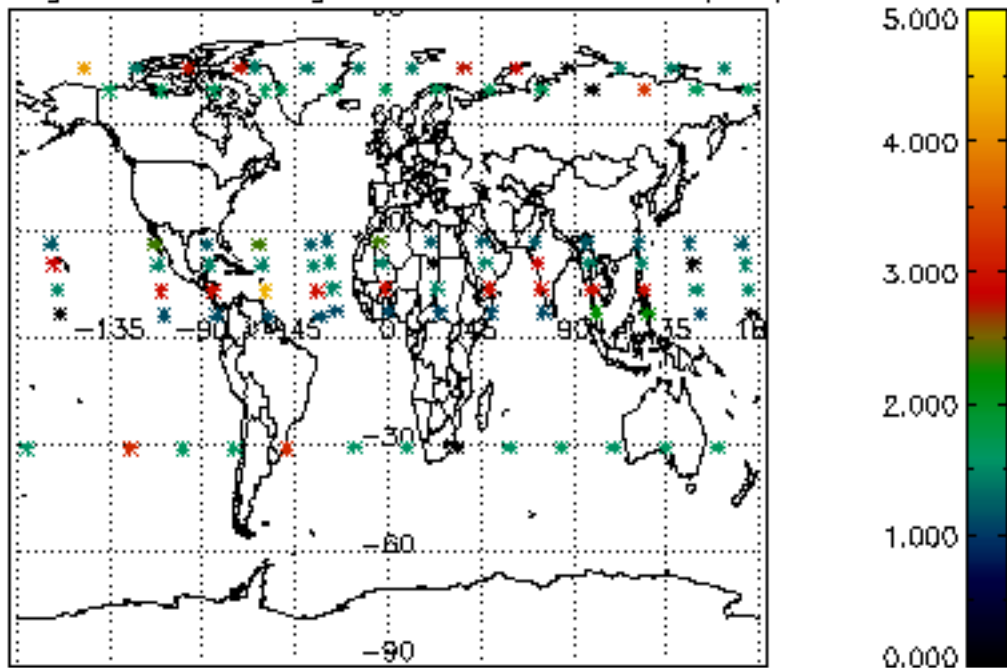
Percentage of cosmic ray hits per profile



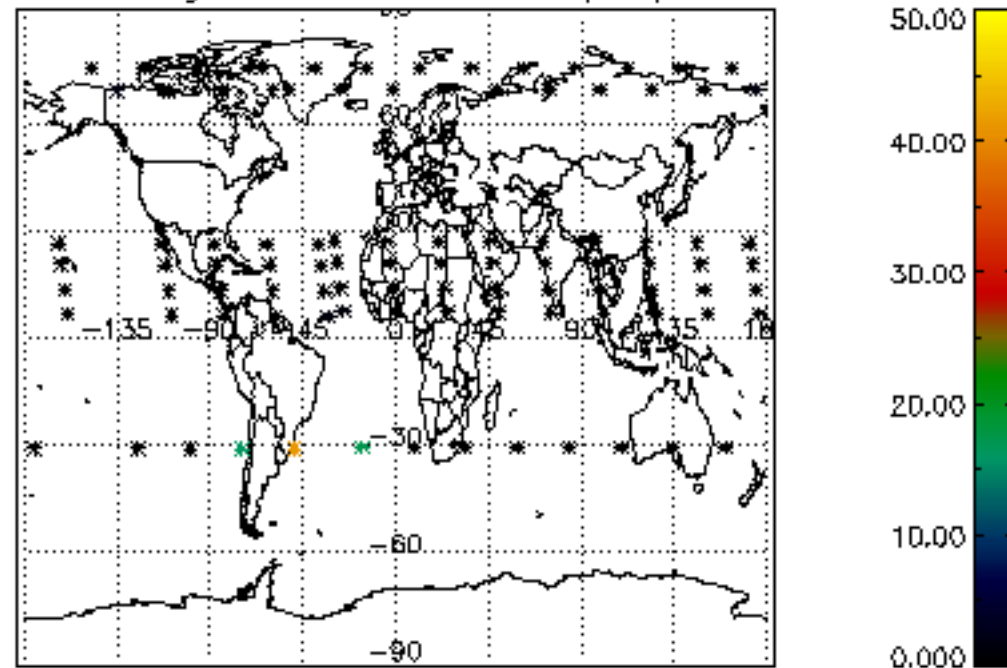
Percentage of datation errors per profile



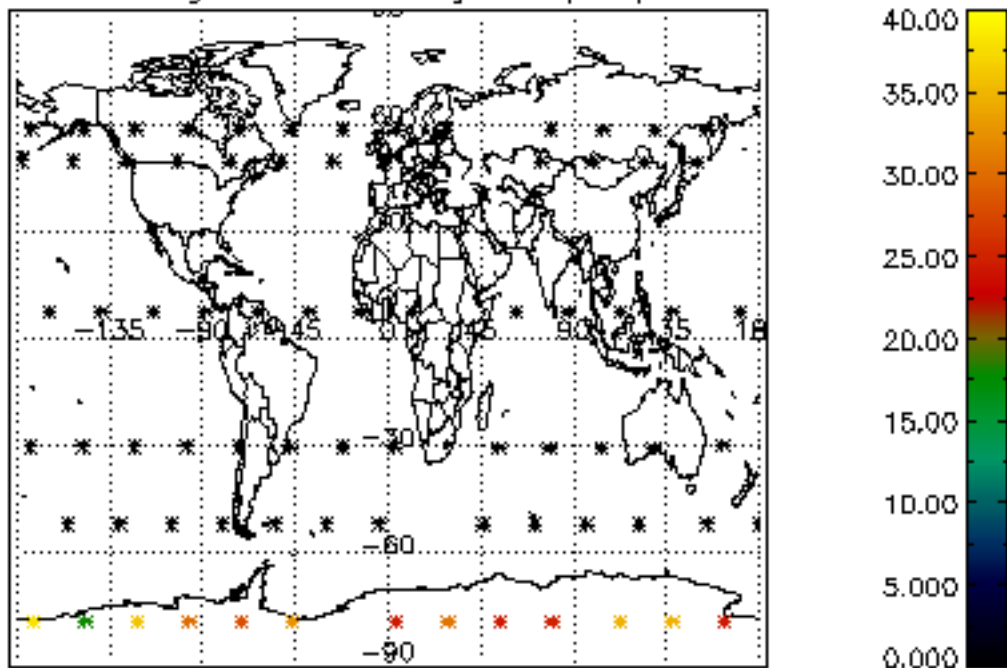
Percentage of star falling outside central band per profile



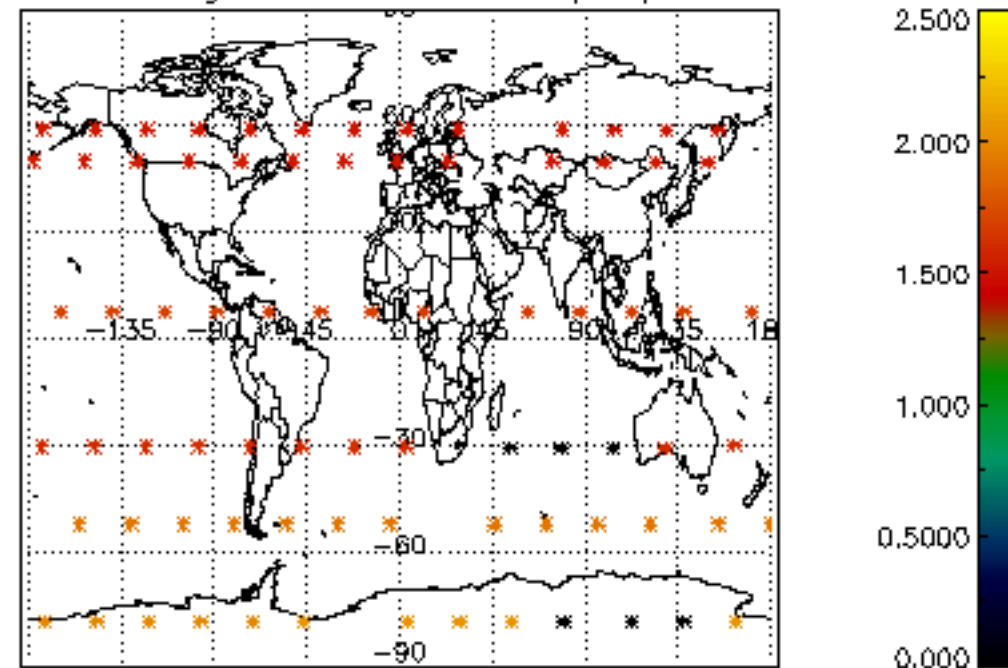
Percentage of saturation errors per profile



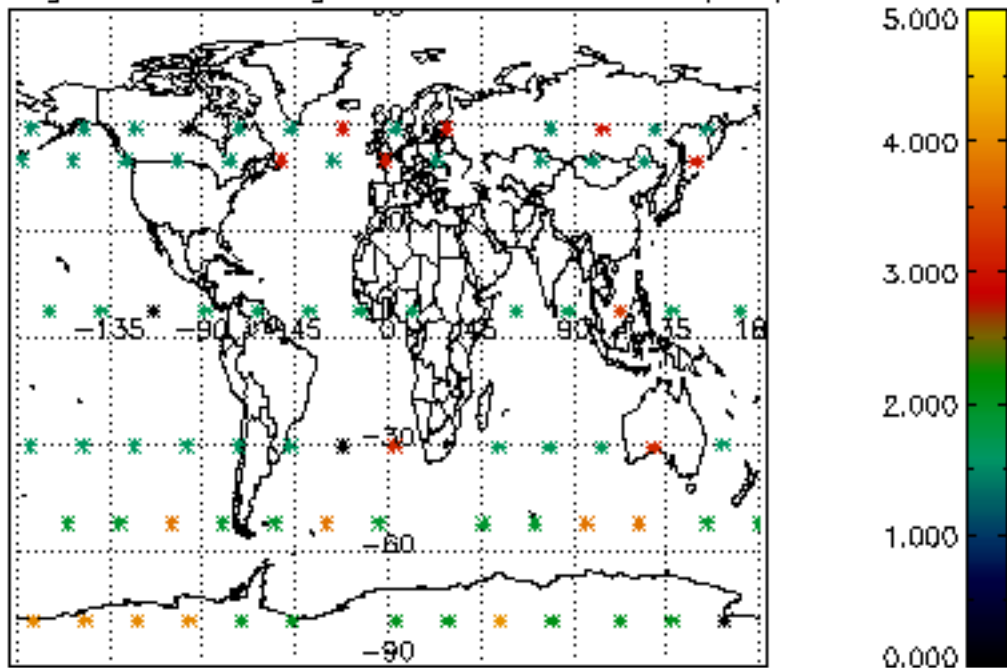
Percentage of cosmic ray hits per profile



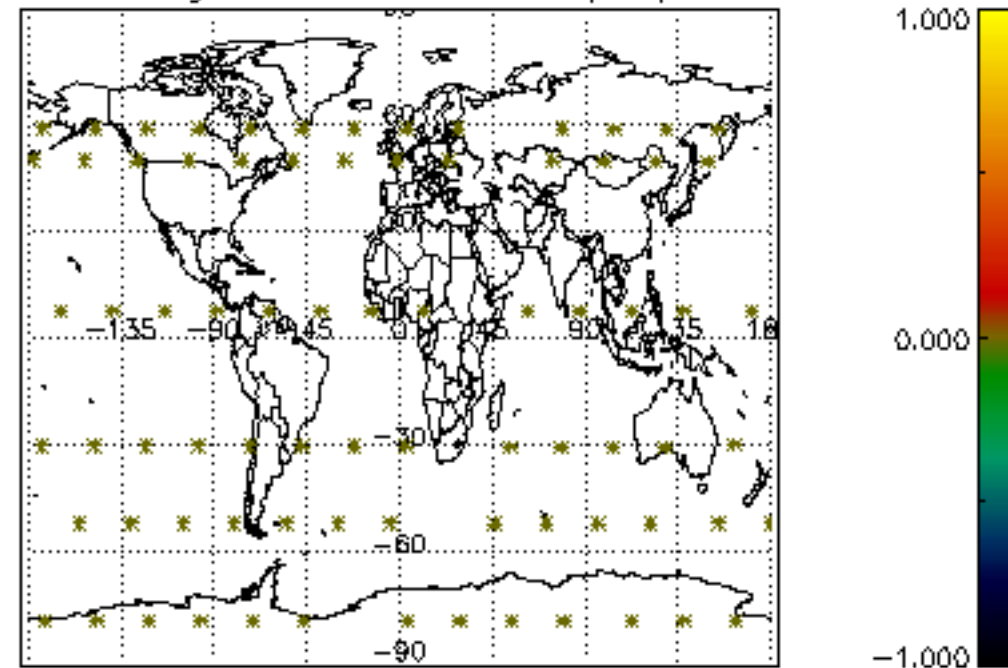
Percentage of datation errors per profile

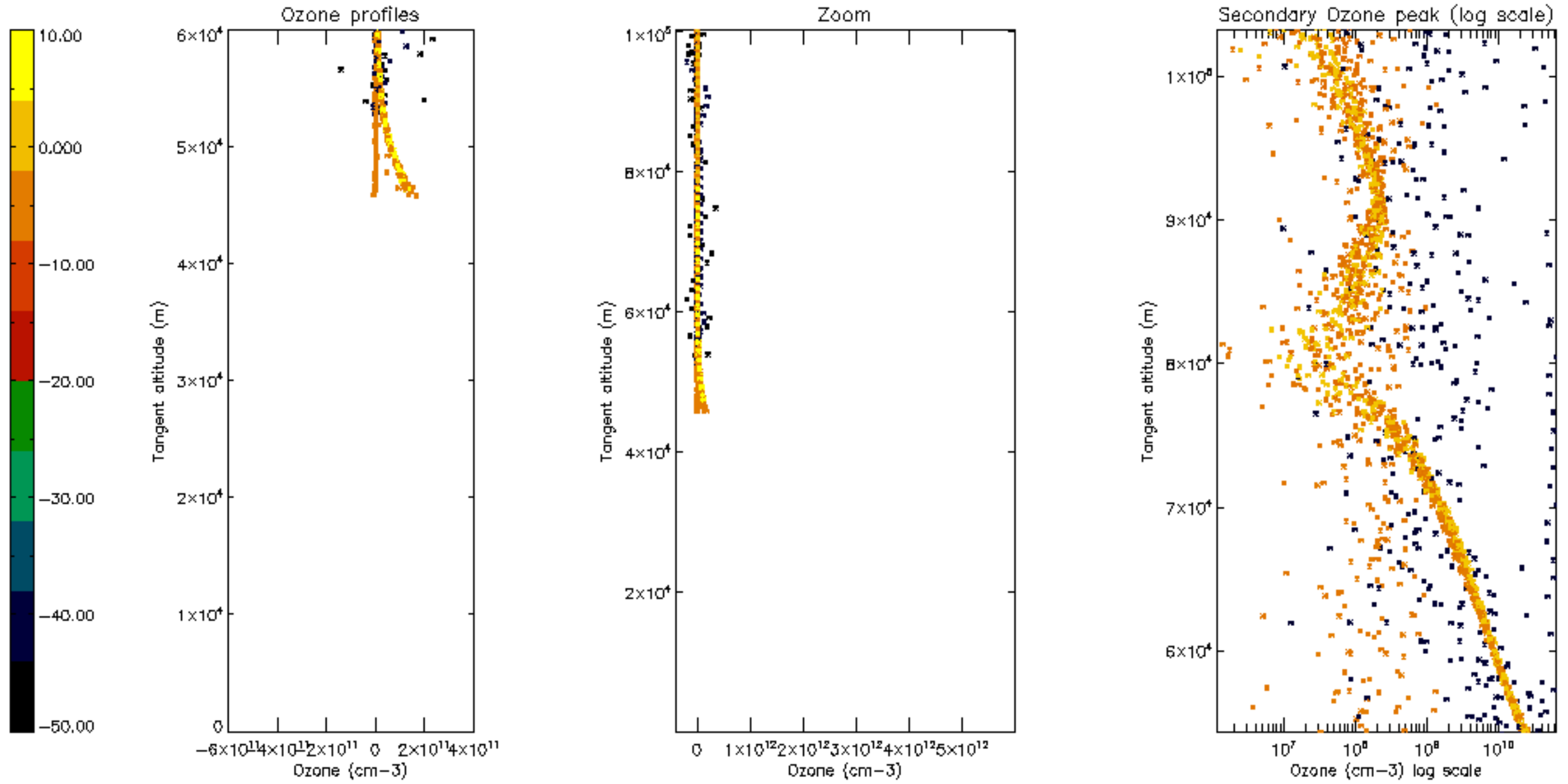


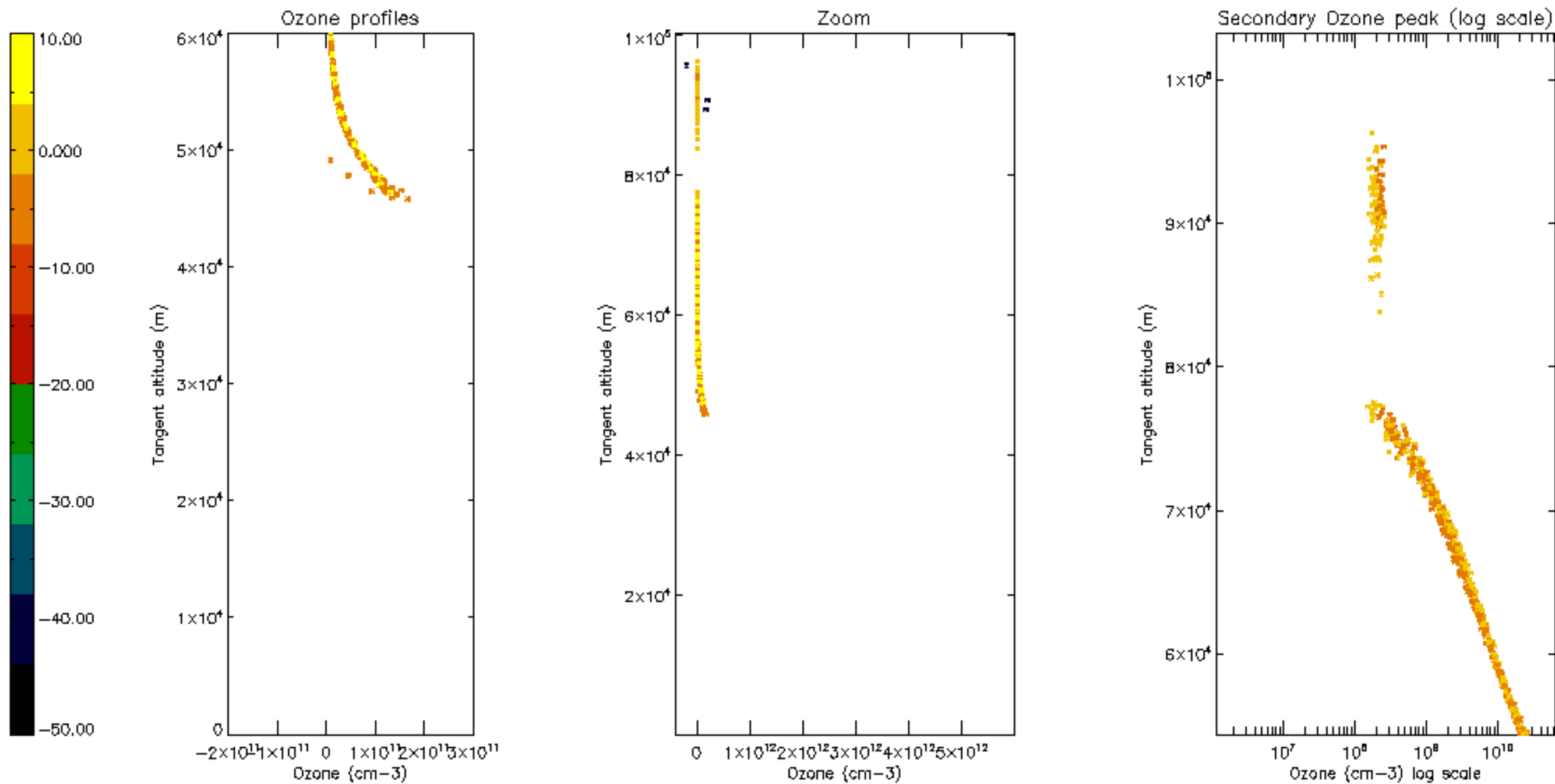
Percentage of star falling outside central band per profile



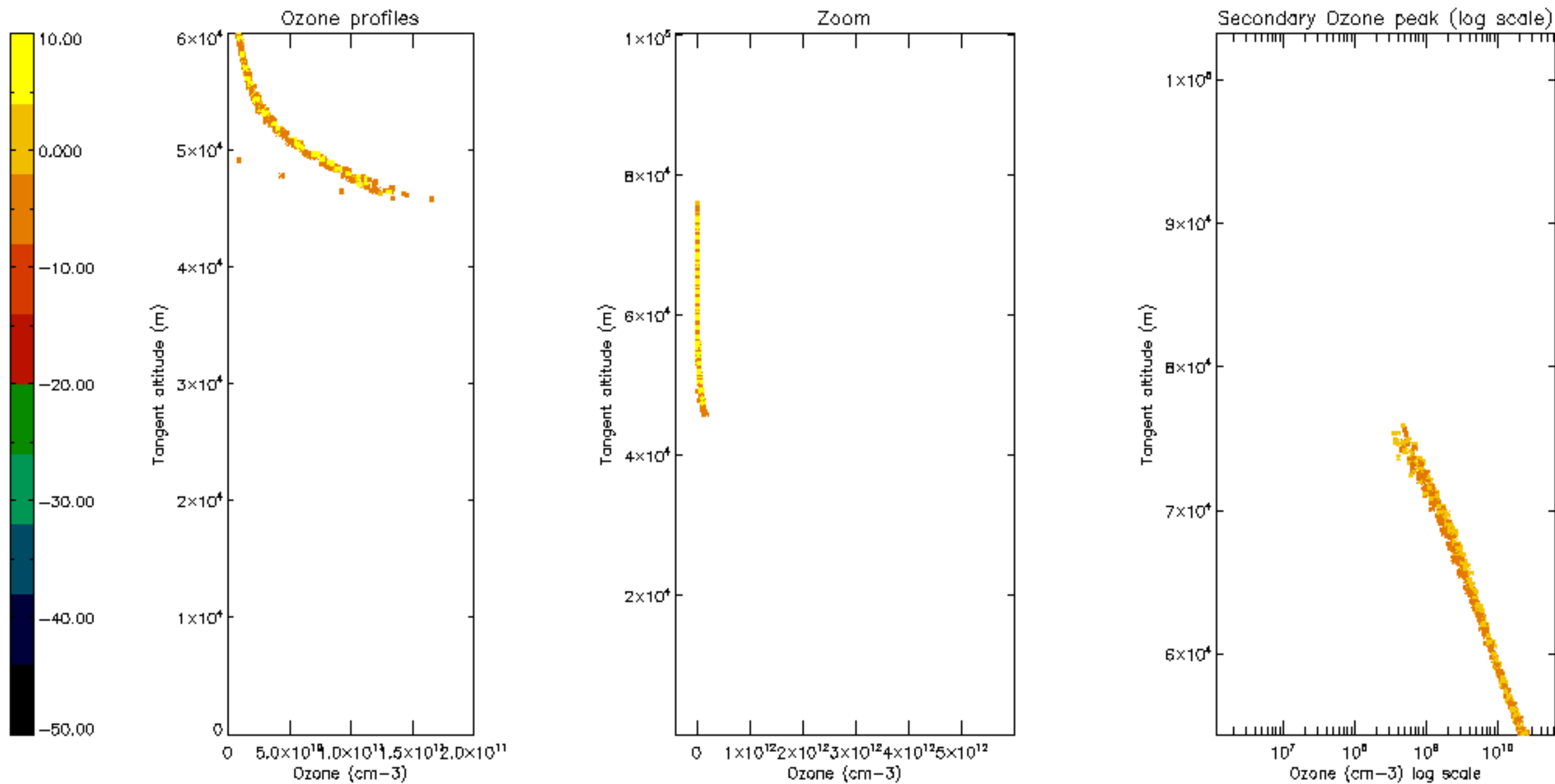
Percentage of saturation errors per profile

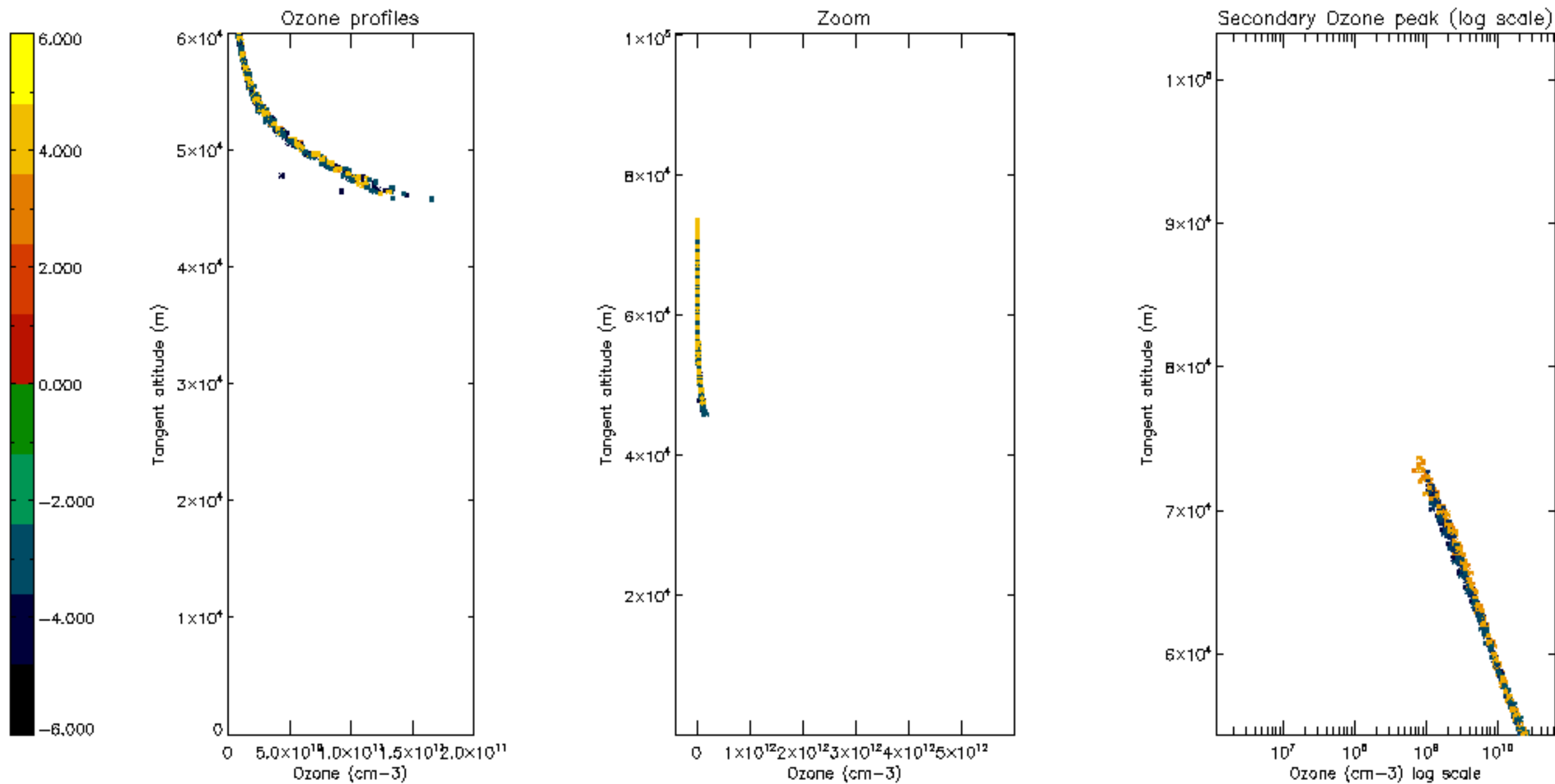


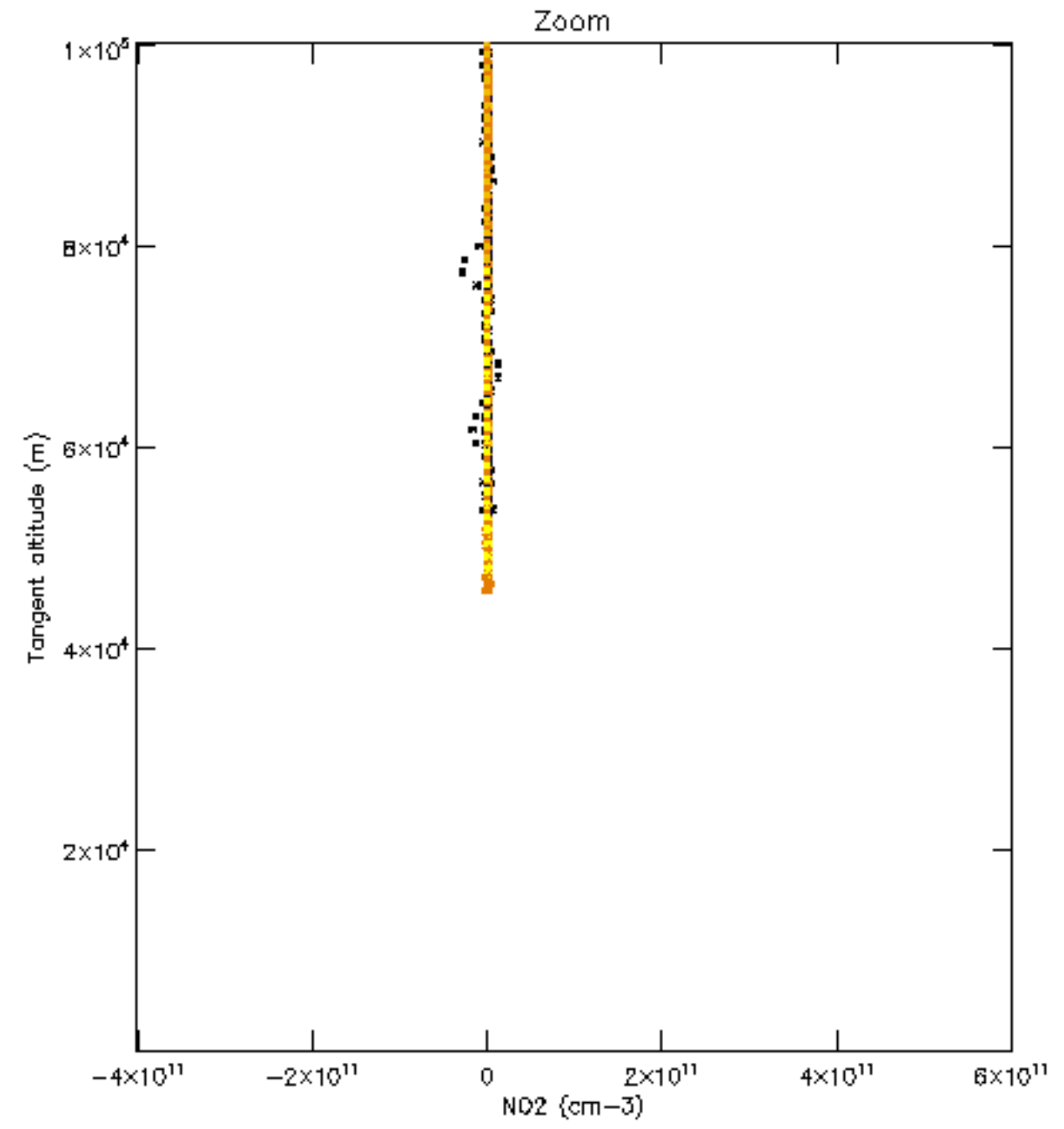
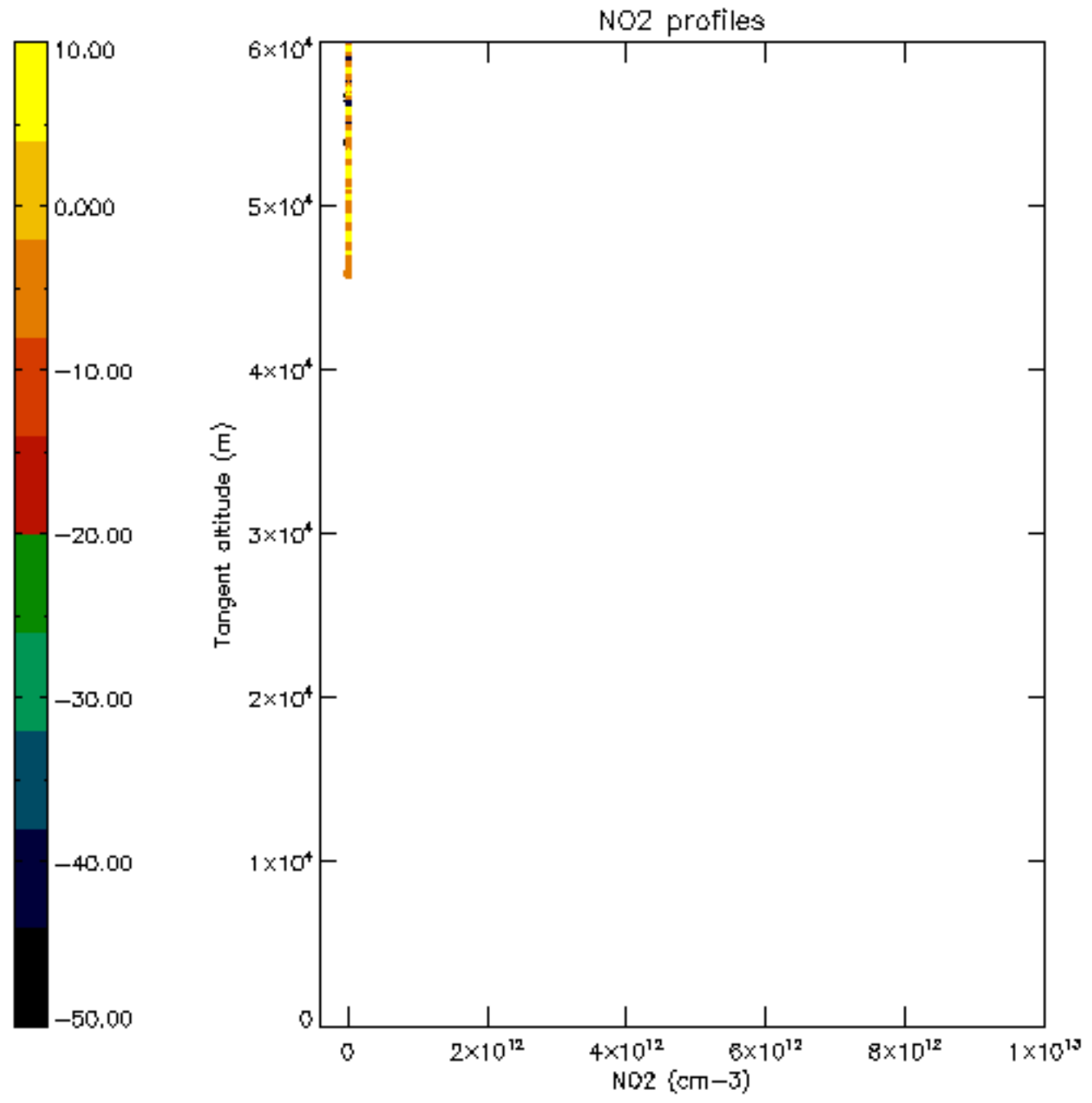


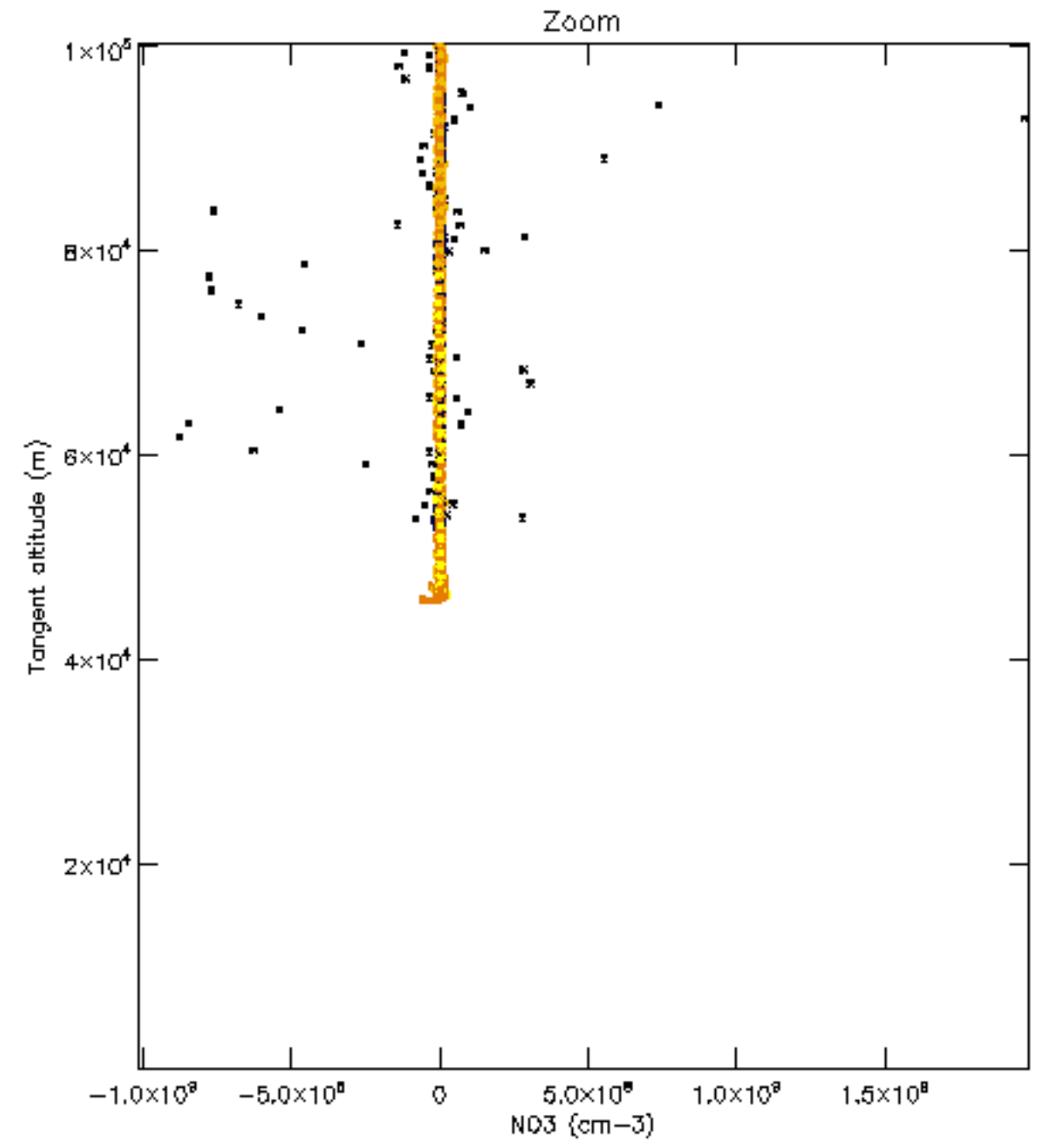
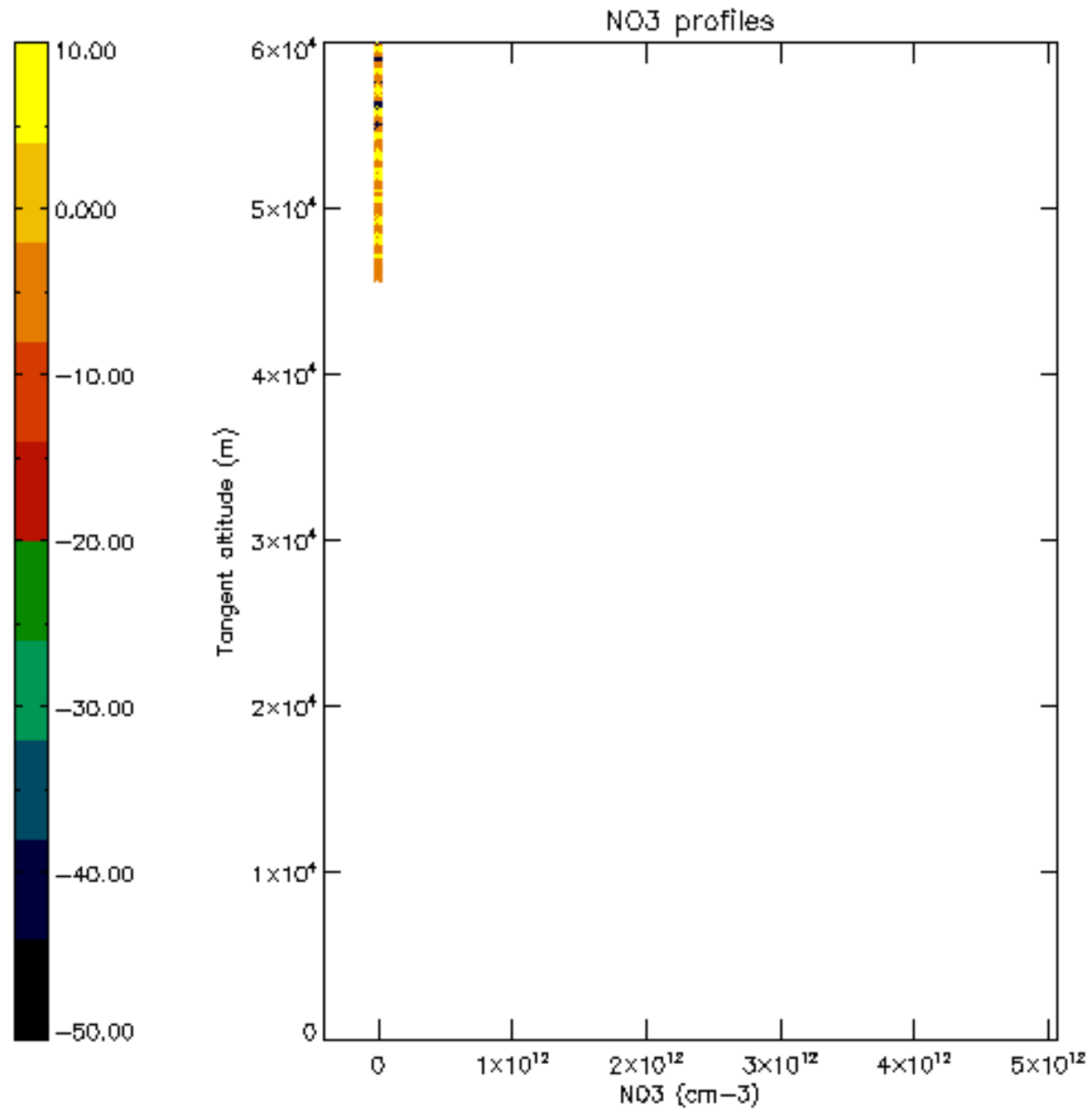




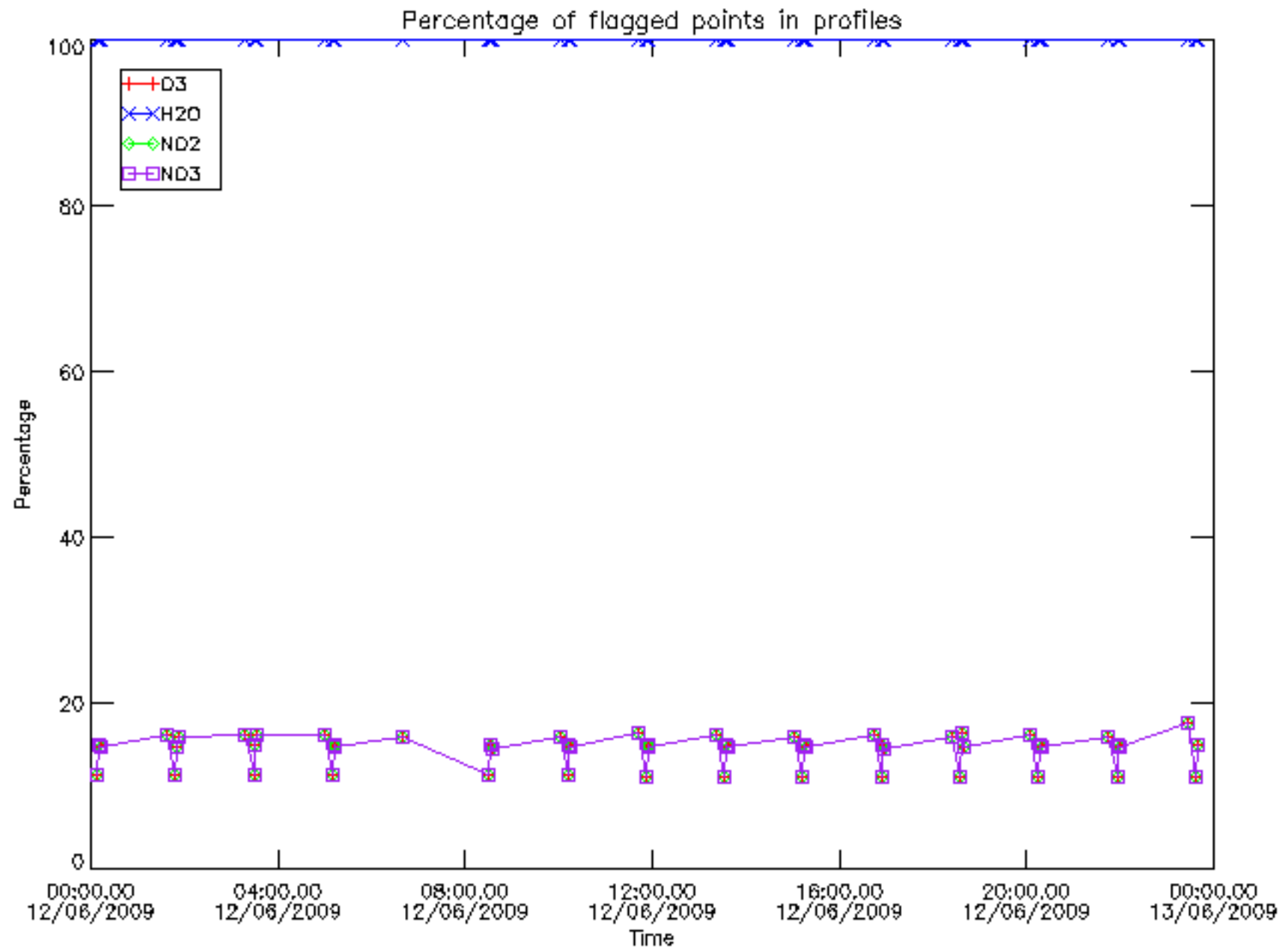




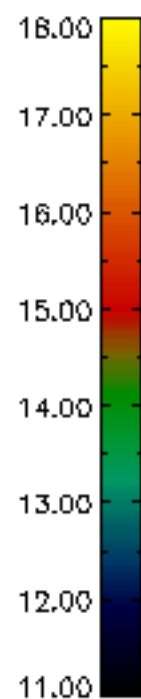
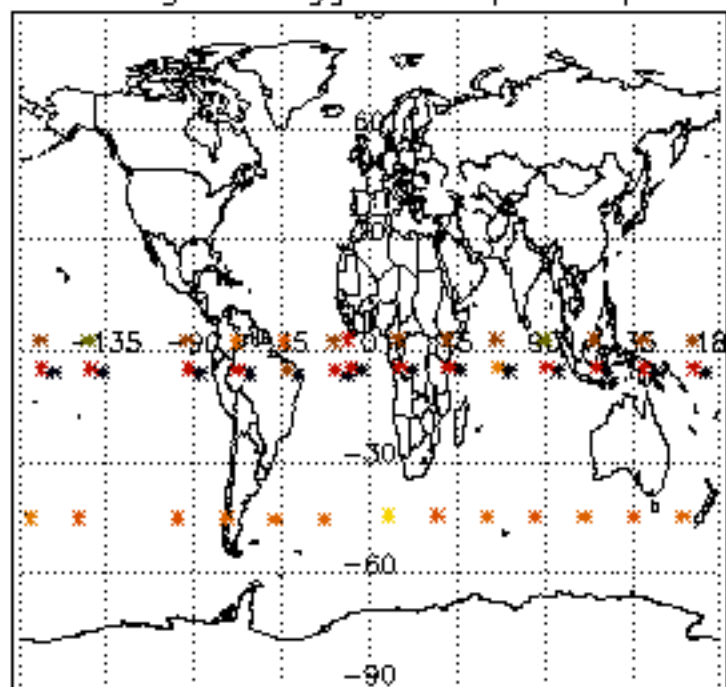




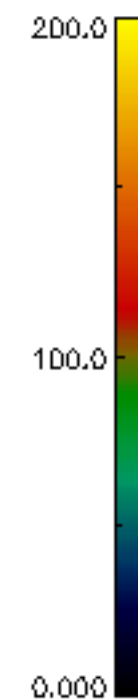
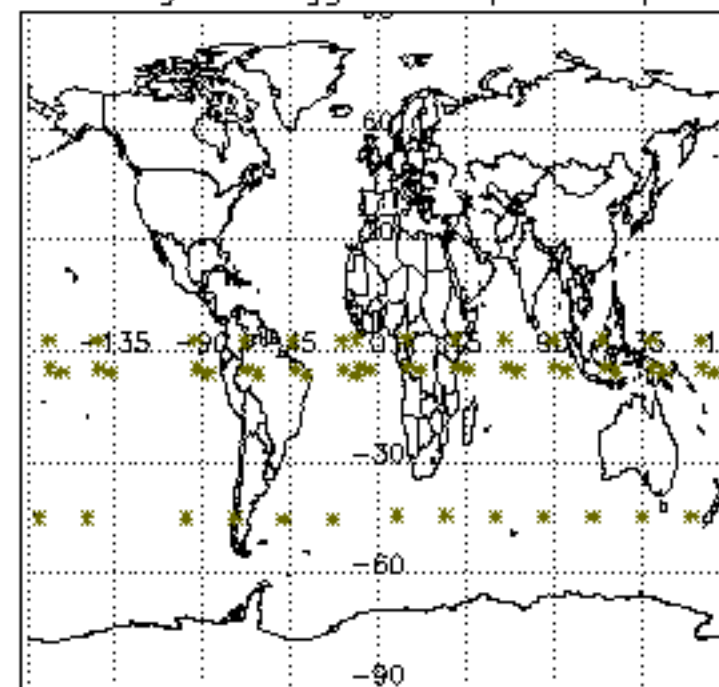




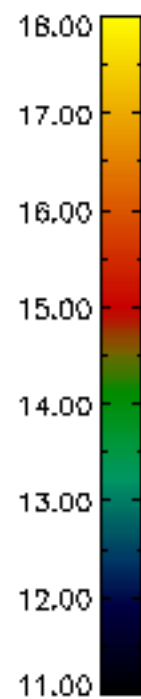
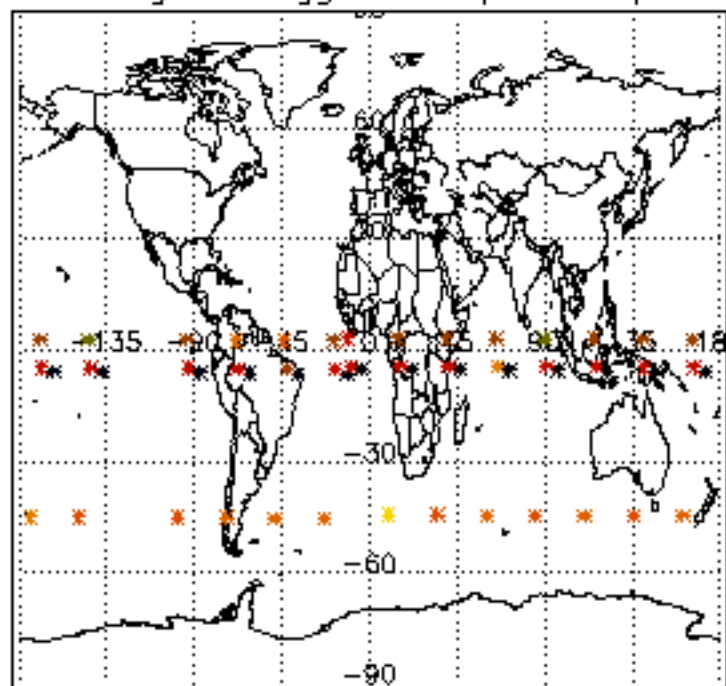
Percentage of flagged data per D3 profile



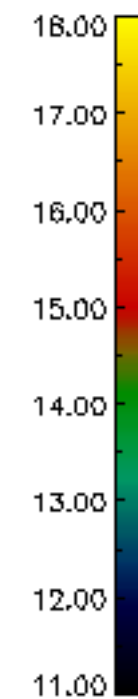
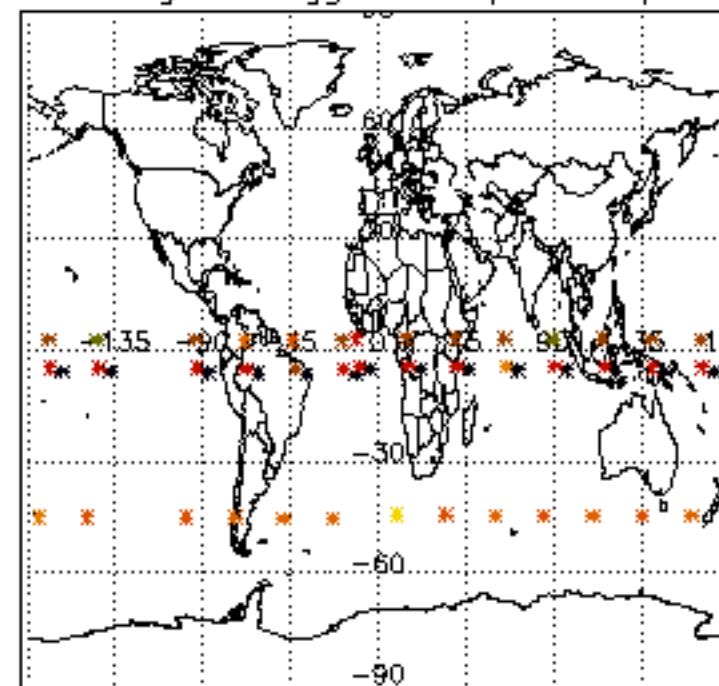
Percentage of flagged data per H2O profile

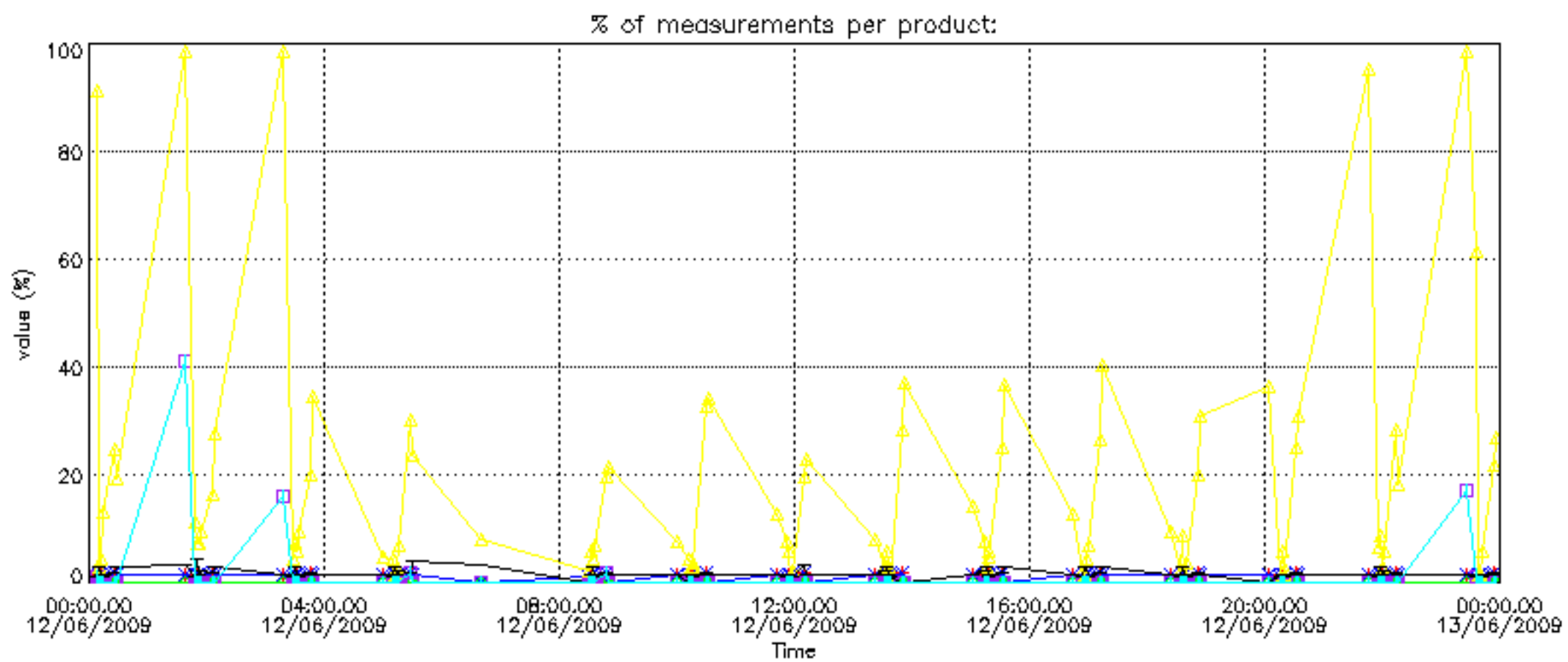


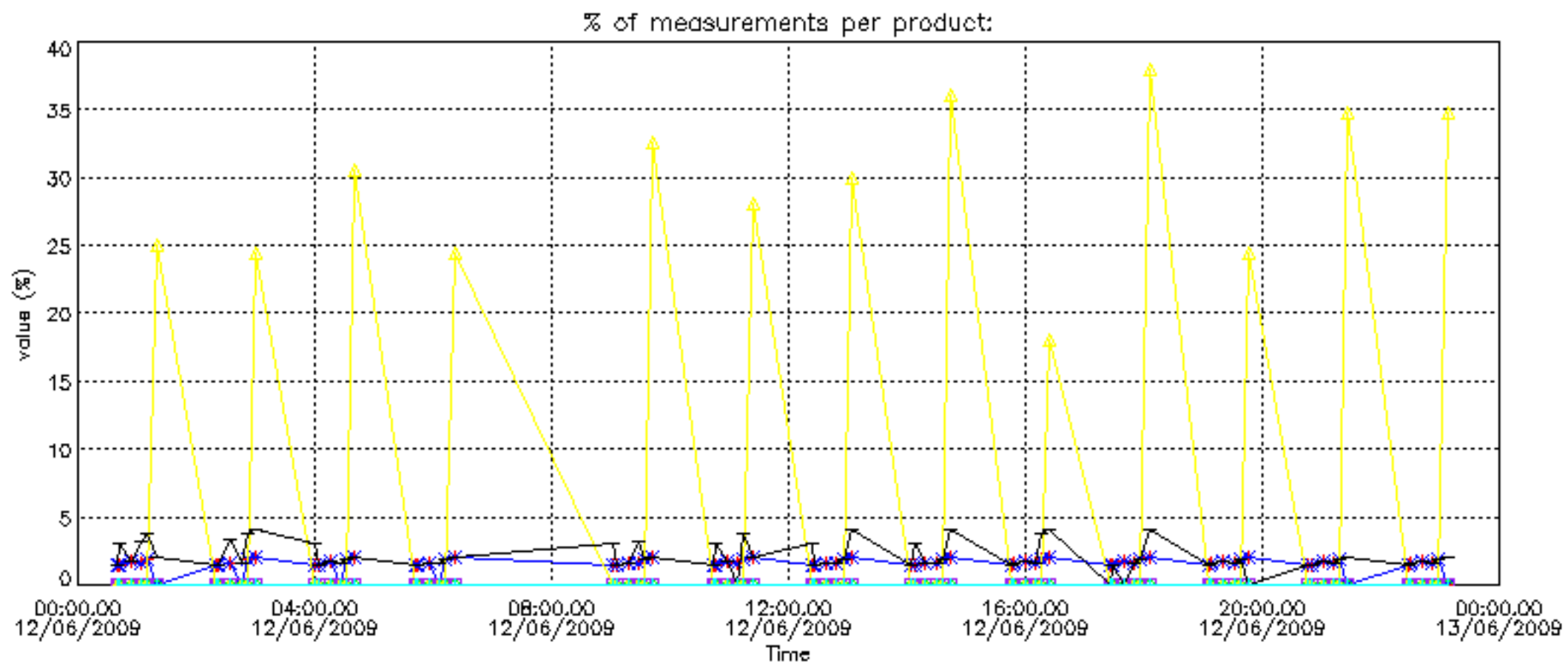
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

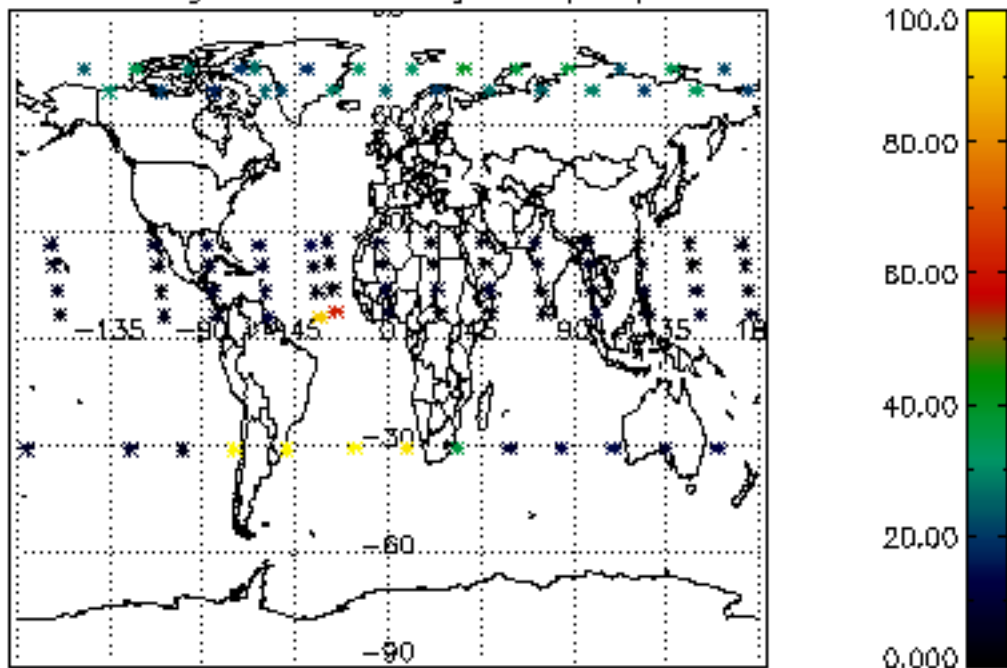




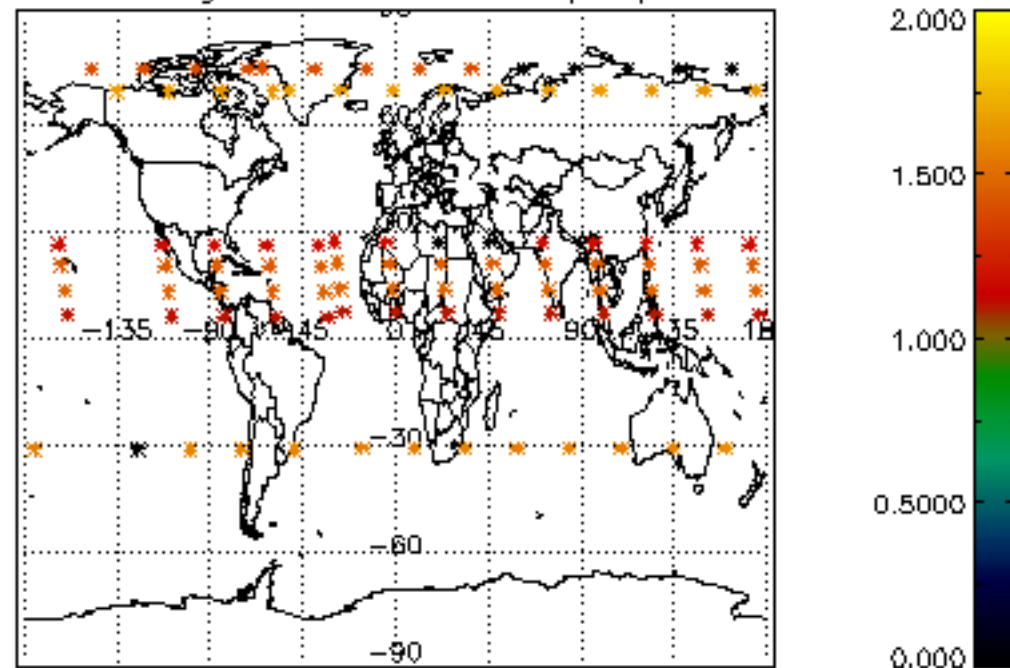




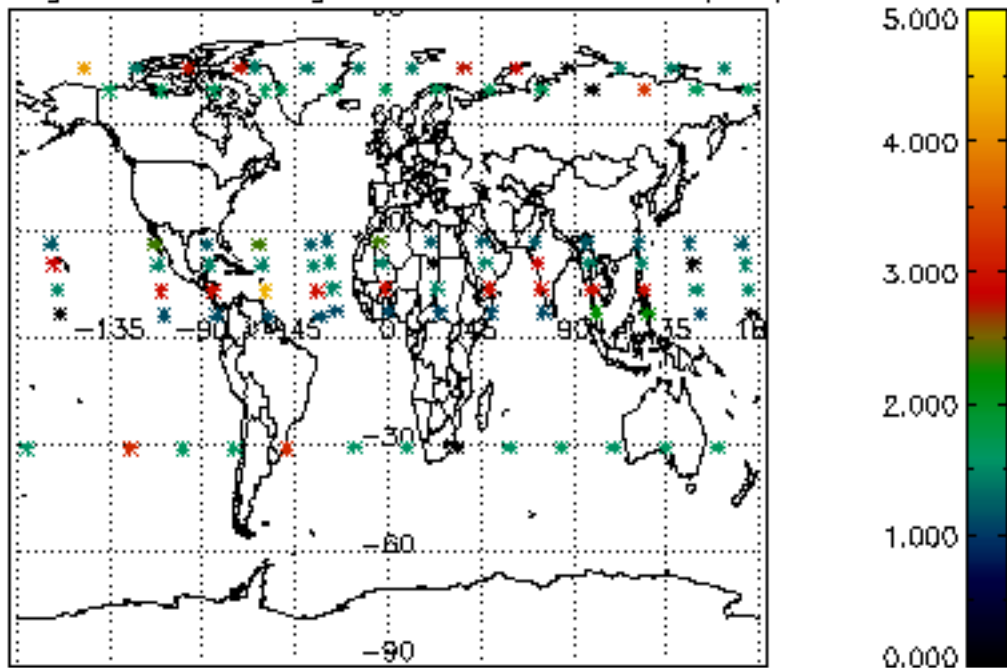
Percentage of cosmic ray hits per profile



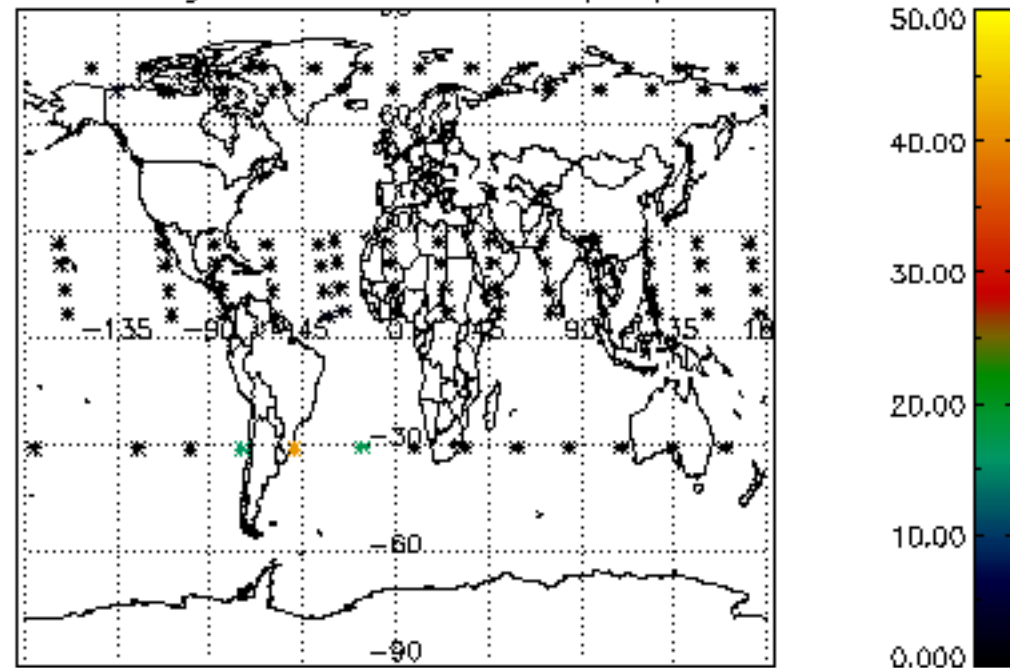
Percentage of datation errors per profile



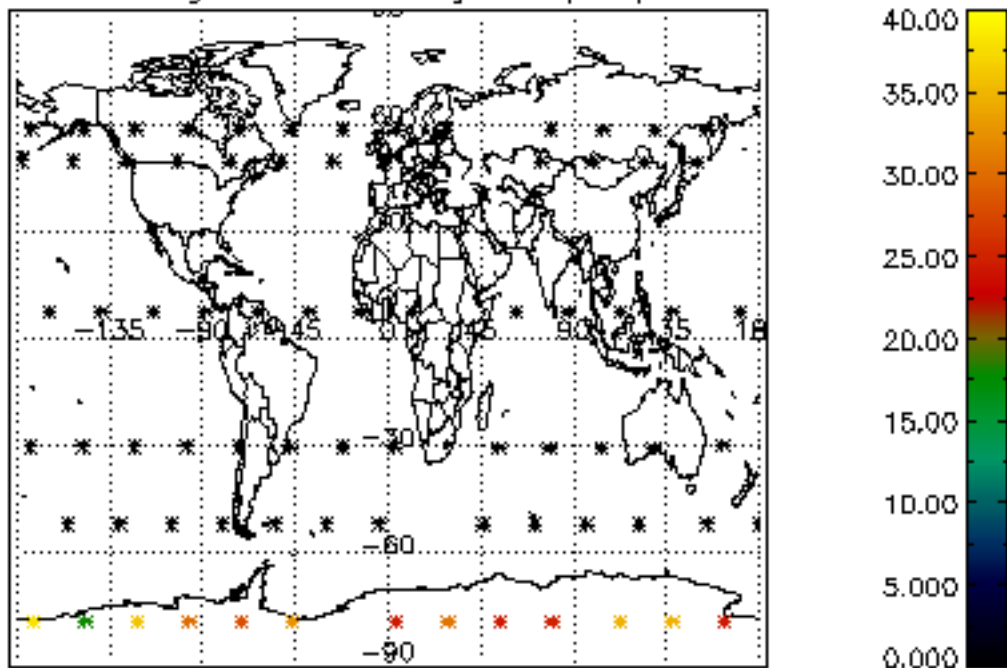
Percentage of star falling outside central band per profile



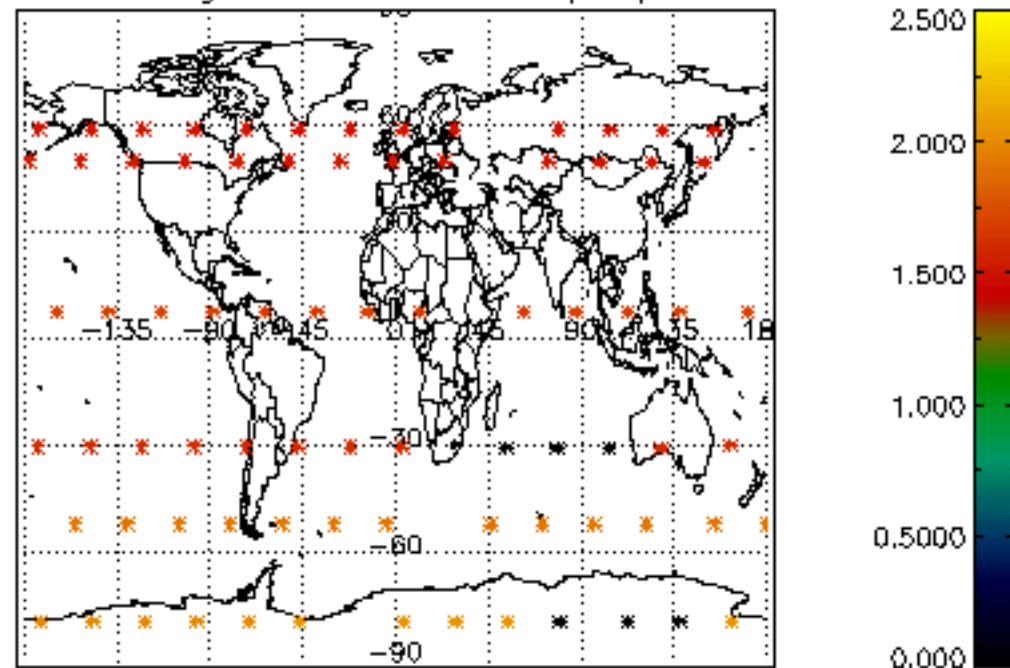
Percentage of saturation errors per profile



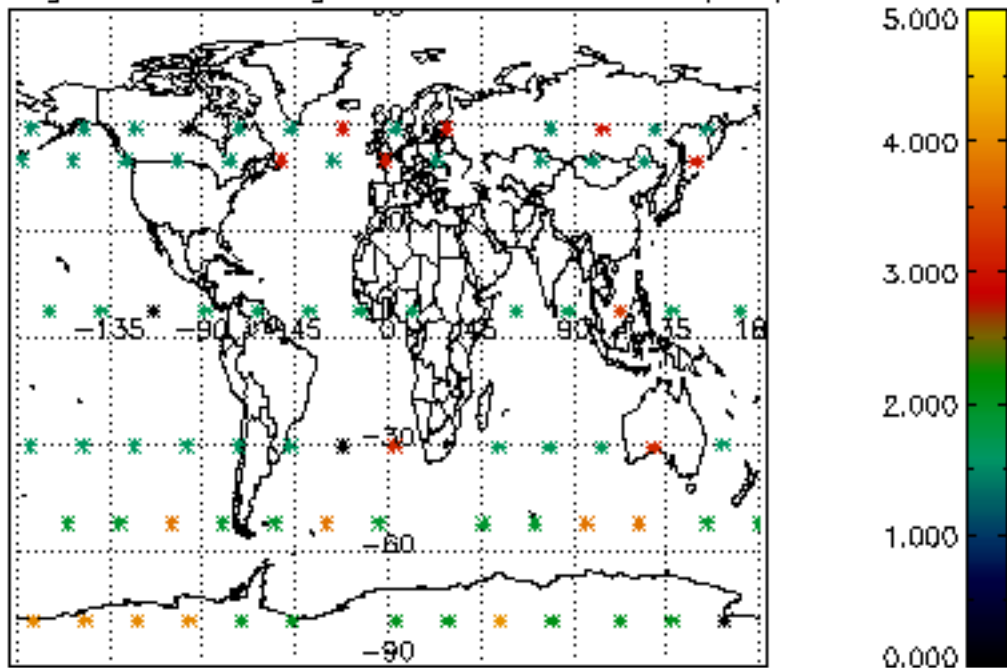
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

