

# 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 09:57:19
Data source version	GOMOS/6.01
Start time of products	04-06-2009 (04JUN2009 00:00:00)
Stop time of products	05-06-2009 (05JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	157
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__2PRFIN20090604_000616_000000322079_00331_37960_0435.N1	04-JUN-2009 00:06:16	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37960	No
2	GOM_NL__2PRFIN20090604_001708_000000312079_00331_37960_0436.N1	04-JUN-2009 00:17:08	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	37960	No
3	GOM_NL__2PRFIN20090604_002231_000000252079_00331_37960_0437.N1	04-JUN-2009 00:22:31	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37960	No
4	GOM_NL__2PRFIN20090604_003311_000000292079_00331_37960_0438.N1	04-JUN-2009 00:33:11	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37960	No
5	GOM_NL__2PRFIN20090604_003822_000000302079_00331_37960_0439.N1	04-JUN-2009 00:38:22	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37960	No
6	GOM_NL__2PRFIN20090604_005637_000000402079_00331_37960_0440.N1	04-JUN-2009 00:56:37	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37960	No
7	GOM_NL__2PRFIN20090604_010133_000000342079_00332_37961_0444.N1	04-JUN-2009 01:01:33	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37961	No
8	GOM_NL__2PRFIN20090604_011631_000000332079_00332_37961_0445.N1	04-JUN-2009 01:16:31	Twilight	33.000	38	20Eps Sgr	1.8360	11000.	66	37961	No
9	GOM_NL__2PRFIN20090604_011810_000000352079_00332_37961_0446.N1	04-JUN-2009 01:18:10	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37961	No
10	GOM_NL__2PRFIN20090604_012417_000000302079_00332_37961_0447.N1	04-JUN-2009 01:24:17	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37961	No
11	GOM_NL__2PRFIN20090604_013610_000000302079_00332_37961_0448.N1	04-JUN-2009 01:36:10	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37961	No
12	GOM_NL__2PRFIN20090604_013930_000000312079_00332_37961_0449.N1	04-JUN-2009 01:39:30	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37961	No
13	GOM_NL__2PRFIN20090604_014651_000000322079_00332_37961_0450.N1	04-JUN-2009 01:46:51	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37961	No
14	GOM_NL__2PRFIN20090604_015744_000000312079_00332_37961_0451.N1	04-JUN-2009 01:57:44	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37961	No
15	GOM_NL__2PRFIN20090604_020306_000000252079_00332_37961_0452.N1	04-JUN-2009 02:03:06	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37961	No
16	GOM_NL__2PRFIN20090604_021347_000000282079_00332_37961_0453.N1	04-JUN-2009 02:13:47	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37961	No
17	GOM_NL__2PRFIN20090604_021858_000000302079_00332_37961_0454.N1	04-JUN-2009 02:18:58	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37961	No
18	GOM_NL__2PRFIN20090604_023714_000000402079_00332_37961_0455.N1	04-JUN-2009 02:37:14	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37961	No
19	GOM_NL__2PRFIN20090604_024209_000000342079_00333_37962_0459.N1	04-JUN-2009 02:42:09	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37962	No
20	GOM_NL__2PRFIN20090604_025708_000000332079_00333_37962_0460.N1	04-JUN-2009 02:57:08	Twilight	33.000	38	20Eps Sgr	1.8360	11000.	66	37962	No
21	GOM_NL__2PRFIN20090604_025847_000000352079_00333_37962_0461.N1	04-JUN-2009 02:58:47	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37962	No
22	GOM_NL__2PRFIN20090604_030453_000000302079_00333_37962_0462.N1	04-JUN-2009 03:04:53	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37962	No
23	GOM_NL__2PRFIN20090604_031646_000000302079_00333_37962_0463.N1	04-JUN-2009 03:16:46	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37962	No
24	GOM_NL__2PRFIN20090604_032006_000000312079_00333_37962_0464.N1	04-JUN-2009 03:20:06	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37962	No
25	GOM_NL__2PRFIN20090604_032727_000000322079_00333_37962_0465.N1	04-JUN-2009 03:27:27	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37962	No
26	GOM_NL__2PRFIN20090604_033819_000000312079_00333_37962_0466.N1	04-JUN-2009 03:38:19	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	37962	No
27	GOM_NL__2PRFIN20090604_034342_000000252079_00333_37962_0467.N1	04-JUN-2009 03:43:42	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37962	No
28	GOM_NL__2PRFIN20090604_035423_000000292079_00333_37962_0468.N1	04-JUN-2009 03:54:23	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37962	No
29	GOM_NL__2PRFIN20090604_035934_000000302079_00333_37962_0469.N1	04-JUN-2009 03:59:34	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37962	No
30	GOM_NL__2PRFIN20090604_041751_000000402079_00333_37962_0470.N1	04-JUN-2009 04:17:51	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37962	No
31	GOM_NL__2PRFIN20090604_042246_000000342079_00334_37963_0474.N1	04-JUN-2009 04:22:46	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37963	No
32	GOM_NL__2PRFIN20090604_043744_000000332079_00334_37963_0475.N1	04-JUN-2009 04:37:44	Twilight	33.000	38	20Eps Sgr	1.8360	11000.	66	37963	No
33	GOM_NL__2PRFIN20090604_043923_000000352079_00334_37963_0476.N1	04-JUN-2009 04:39:23	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37963	No
34	GOM_NL__2PRFIN20090604_044529_000000302079_00334_37963_0477.N1	04-JUN-2009 04:45:29	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37963	No
35	GOM_NL__2PRFIN20090604_045721_000000312079_00334_37963_0478.N1	04-JUN-2009 04:57:21	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37963	No
36	GOM_NL__2PRFIN20090604_050041_000000312079_00334_37963_0479.N1	04-JUN-2009 05:00:41	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37963	No
37	GOM_NL__2PRFIN20090604_050802_000000322079_00334_37963_0480.N1	04-JUN-2009 05:08:02	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37963	No
38	GOM_NL__2PRFIN20090604_051855_000000312079_00334_37963_0481.N1	04-JUN-2009 05:18:55	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37963	No
39	GOM_NL__2PRFIN20090604_052418_000000252079_00334_37963_0482.N1	04-JUN-2009 05:24:18	Twilight	24.500	74	11Bet Cas	2.2680	6600.0	49	37963	No
40	GOM_NL__2PRFIN20090604_053459_000000282079_00334_37963_0483.N1	04-JUN-2009 05:34:59	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37963	No
41	GOM_NL__2PRFIN20090604_054011_000000302079_00334_37963_0484.N1	04-JUN-2009 05:40:11	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37963	No
42	GOM_NL__2PRFIN20090604_055829_000000402079_00334_37963_0485.N1	04-JUN-2009 05:58:29	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37963	No

43	GOM_NL__2PRFIN20090604_060324_000000342079_00335_37964_0488.N1	04-JUN-2009 06:03:24	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37964	No
44	GOM_NL__2PRFIN20090604_061821_000000332079_00335_37964_0489.N1	04-JUN-2009 06:18:21	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37964	No
45	GOM_NL__2PRFIN20090604_062000_000000342079_00335_37964_0490.N1	04-JUN-2009 06:20:00	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37964	No
46	GOM_NL__2PRFIN20090604_062605_000000302079_00335_37964_0491.N1	04-JUN-2009 06:26:05	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37964	No
47	GOM_NL__2PRFIN20090604_063757_000000302079_00335_37964_0492.N1	04-JUN-2009 06:37:57	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37964	No
48	GOM_NL__2PRFIN20090604_064117_000000312079_00335_37964_0493.N1	04-JUN-2009 06:41:17	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37964	No
49	GOM_NL__2PRFIN20090604_064838_000000322079_00335_37964_0494.N1	04-JUN-2009 06:48:38	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37964	No
50	GOM_NL__2PRFIN20090604_065930_000000312079_00335_37964_0495.N1	04-JUN-2009 06:59:30	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37964	No
51	GOM_NL__2PRFIN20090604_070454_000000252079_00335_37964_0496.N1	04-JUN-2009 07:04:54	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37964	No
52	GOM_NL__2PRFIN20090604_071535_000000282079_00335_37964_0497.N1	04-JUN-2009 07:15:35	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37964	No
53	GOM_NL__2PRFIN20090604_073906_000000402079_00335_37964_0498.N1	04-JUN-2009 07:39:06	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37964	No
54	GOM_NL__2PRFIN20090604_074400_000000342079_00336_37965_0502.N1	04-JUN-2009 07:44:00	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37965	No
55	GOM_NL__2PRFIN20090604_075857_000000332079_00336_37965_0503.N1	04-JUN-2009 07:58:57	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37965	No
56	GOM_NL__2PRFIN20090604_080036_000000342079_00336_37965_0504.N1	04-JUN-2009 08:00:36	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37965	No
57	GOM_NL__2PRFIN20090604_080641_000000292079_00336_37965_0505.N1	04-JUN-2009 08:06:41	Tw_i_and_stray	29.000	86	35Eta Oph	2.4300	10200.	58	37965	No
58	GOM_NL__2PRFIN20090604_081832_000000302079_00336_37965_0506.N1	04-JUN-2009 08:18:32	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37965	No
59	GOM_NL__2PRFIN20090604_082152_000000312079_00336_37965_0507.N1	04-JUN-2009 08:21:52	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37965	No
60	GOM_NL__2PRFIN20090604_082913_000000322079_00336_37965_0508.N1	04-JUN-2009 08:29:13	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37965	No
61	GOM_NL__2PRFIN20090604_084005_000000312079_00336_37965_0509.N1	04-JUN-2009 08:40:05	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37965	No
62	GOM_NL__2PRFIN20090604_084529_000000252079_00336_37965_0510.N1	04-JUN-2009 08:45:29	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37965	No
63	GOM_NL__2PRFIN20090604_085611_000000292079_00336_37965_0511.N1	04-JUN-2009 08:56:11	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37965	No
64	GOM_NL__2PRFIN20090604_091943_000000402079_00336_37965_0512.N1	04-JUN-2009 09:19:43	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37965	No
65	GOM_NL__2PRFIN20090604_092437_000000342079_00337_37966_0518.N1	04-JUN-2009 09:24:37	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37966	No
66	GOM_NL__2PRFIN20090604_093934_000000332079_00337_37966_0519.N1	04-JUN-2009 09:39:34	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37966	No
67	GOM_NL__2PRFIN20090604_094113_000000342079_00337_37966_0520.N1	04-JUN-2009 09:41:13	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37966	No
68	GOM_NL__2PRFIN20090604_094717_000000292079_00337_37966_0521.N1	04-JUN-2009 09:47:17	Tw_i_and_stray	29.000	86	35Eta Oph	2.4300	10200.	58	37966	No
69	GOM_NL__2PRFIN20090604_095908_000000302079_00337_37966_0522.N1	04-JUN-2009 09:59:08	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37966	No
70	GOM_NL__2PRFIN20090604_100228_000000312079_00337_37966_0523.N1	04-JUN-2009 10:02:28	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37966	No
71	GOM_NL__2PRFIN20090604_100948_000000322079_00337_37966_0524.N1	04-JUN-2009 10:09:48	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37966	No
72	GOM_NL__2PRFIN20090604_102041_000000312079_00337_37966_0525.N1	04-JUN-2009 10:20:41	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37966	No
73	GOM_NL__2PRFIN20090604_102605_000000252079_00337_37966_0526.N1	04-JUN-2009 10:26:05	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37966	No
74	GOM_NL__2PRFIN20090604_110020_000000402079_00337_37966_0527.N1	04-JUN-2009 11:00:20	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37966	No
75	GOM_NL__2PRFIN20090604_110514_000000342079_00338_37967_0546.N1	04-JUN-2009 11:05:14	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37967	No
76	GOM_NL__2PRFIN20090604_112010_000000332079_00338_37967_0547.N1	04-JUN-2009 11:20:10	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37967	No
77	GOM_NL__2PRFIN20090604_112149_000000342079_00338_37967_0548.N1	04-JUN-2009 11:21:49	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37967	No
78	GOM_NL__2PRFIN20090604_112753_000000302079_00338_37967_0549.N1	04-JUN-2009 11:27:53	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37967	No
79	GOM_NL__2PRFIN20090604_113943_000000302079_00338_37967_0550.N1	04-JUN-2009 11:39:43	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37967	No
80	GOM_NL__2PRFIN20090604_114303_000000312079_00338_37967_0551.N1	04-JUN-2009 11:43:03	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37967	No
81	GOM_NL__2PRFIN20090604_115024_000000322079_00338_37967_0552.N1	04-JUN-2009 11:50:24	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37967	No
82	GOM_NL__2PRFIN20090604_120116_000000312079_00338_37967_0553.N1	04-JUN-2009 12:01:16	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37967	No
83	GOM_NL__2PRFIN20090604_120641_000000252079_00338_37967_0554.N1	04-JUN-2009 12:06:41	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37967	No
84	GOM_NL__2PRFIN20090604_124058_000000402079_00338_37967_0555.N1	04-JUN-2009 12:40:58	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37967	No
85	GOM_NL__2PRFIN20090604_124551_000000342079_00339_37968_0573.N1	04-JUN-2009 12:45:51	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37968	No
86	GOM_NL__2PRFIN20090604_130046_000000332079_00339_37968_0574.N1	04-JUN-2009 13:00:46	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37968	No
87	GOM_NL__2PRFIN20090604_130225_000000342079_00339_37968_0575.N1	04-JUN-2009 13:02:25	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37968	No
88	GOM_NL__2PRFIN20090604_130829_000000302079_00339_37968_0576.N1	04-JUN-2009 13:08:29	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37968	No
89	GOM_NL__2PRFIN20090604_132019_000000302079_00339_37968_0577.N1	04-JUN-2009 13:20:19	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37968	No
90	GOM_NL__2PRFIN20090604_132339_000000312079_00339_37968_0578.N1	04-JUN-2009 13:23:39	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37968	No
91	GOM_NL__2PRFIN20090604_133059_000000322079_00339_37968_0579.N1	04-JUN-2009 13:30:59	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37968	No
92	GOM_NL__2PRFIN20090604_134151_000000312079_00339_37968_0580.N1	04-JUN-2009 13:41:51	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37968	No
93	GOM_NL__2PRFIN20090604_134716_000000252079_00339_37968_0581.N1	04-JUN-2009 13:47:16	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37968	No
94	GOM_NL__2PRFIN20090604_142134_000000412079_00339_37968_0582.N1	04-JUN-2009 14:21:34	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37968	No
95	GOM_NL__2PRFIN20090604_142628_000000342079_00340_37969_0625.N1	04-JUN-2009 14:26:28	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37969	No
96	GOM_NL__2PRFIN20090604_144123_000000332079_00340_37969_0626.N1	04-JUN-2009 14:41:23	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37969	No
97	GOM_NL__2PRFIN20090604_144301_000000342079_00340_37969_0627.N1	04-JUN-2009 14:43:01	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37969	No
98	GOM_NL__2PRFIN20090604_144906_000000302079_00340_37969_0628.N1	04-JUN-2009 14:49:06	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37969	No
99	GOM_NL__2PRFIN20090604_150055_000000302079_00340_37969_0629.N1	04-JUN-2009 15:00:55	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37969	No
100	GOM_NL__2PRFIN20090604_150414_000000312079_00340_37969_0630.N1	04-JUN-2009 15:04:14	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37969	No
101	GOM_NL__2PRFIN20090604_151134_000000322079_00340_37969_0631.N1	04-JUN-2009 15:11:34	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37969	No

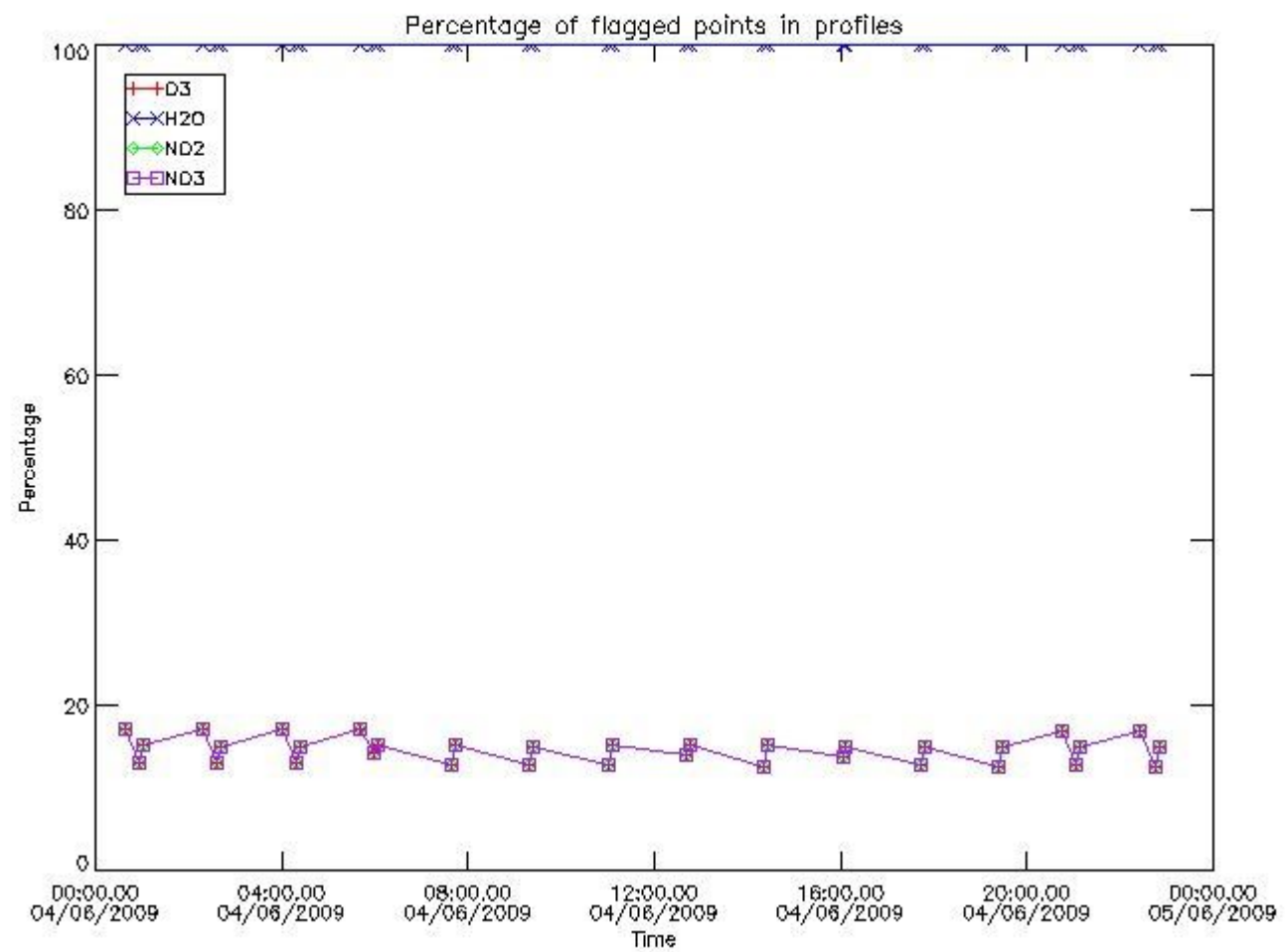
102	GOM_NL__2PRFIN20090604_152227_000000312079_00340_37969_0632.N1	04-JUN-2009 15:22:27	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37969	No
103	GOM_NL__2PRFIN20090604_152752_000000252079_00340_37969_0633.N1	04-JUN-2009 15:27:52	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37969	No
104	GOM_NL__2PRFIN20090604_160212_000000412079_00340_37969_0634.N1	04-JUN-2009 16:02:12	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37969	No
105	GOM_NL__2PRFIN20090604_160705_000000342079_00341_37970_0661.N1	04-JUN-2009 16:07:05	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37970	No
106	GOM_NL__2PRFIN20090604_162200_000000332079_00341_37970_0662.N1	04-JUN-2009 16:22:00	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37970	No
107	GOM_NL__2PRFIN20090604_162338_000000342079_00341_37970_0663.N1	04-JUN-2009 16:23:38	Tw_i_and_stray	33.500	116	19Del Sgr	2.7000	4100.0	67	37970	No
108	GOM_NL__2PRFIN20090604_162941_000000302079_00341_37970_0664.N1	04-JUN-2009 16:29:41	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37970	No
109	GOM_NL__2PRFIN20090604_164131_000000302079_00341_37970_0665.N1	04-JUN-2009 16:41:31	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37970	No
110	GOM_NL__2PRFIN20090604_164450_000000312079_00341_37970_0666.N1	04-JUN-2009 16:44:50	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37970	No
111	GOM_NL__2PRFIN20090604_165210_000000322079_00341_37970_0667.N1	04-JUN-2009 16:52:10	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37970	No
112	GOM_NL__2PRFIN20090604_170302_000000312079_00341_37970_0668.N1	04-JUN-2009 17:03:02	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37970	No
113	GOM_NL__2PRFIN20090604_170828_000000252079_00341_37970_0669.N1	04-JUN-2009 17:08:28	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37970	No
114	GOM_NL__2PRFIN20090604_174249_000000402079_00341_37970_0670.N1	04-JUN-2009 17:42:49	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37970	No
115	GOM_NL__2PRFIN20090604_174742_000000342079_00342_37971_0682.N1	04-JUN-2009 17:47:42	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37971	No
116	GOM_NL__2PRFIN20090604_180236_000000332079_00342_37971_0683.N1	04-JUN-2009 18:02:36	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37971	No
117	GOM_NL__2PRFIN20090604_180415_000000342079_00342_37971_0684.N1	04-JUN-2009 18:04:15	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37971	No
118	GOM_NL__2PRFIN20090604_181017_000000302079_00342_37971_0685.N1	04-JUN-2009 18:10:17	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37971	No
119	GOM_NL__2PRFIN20090604_182206_000000302079_00342_37971_0686.N1	04-JUN-2009 18:22:06	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37971	No
120	GOM_NL__2PRFIN20090604_182525_000000312079_00342_37971_0687.N1	04-JUN-2009 18:25:25	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37971	No
121	GOM_NL__2PRFIN20090604_183245_000000322079_00342_37971_0688.N1	04-JUN-2009 18:32:45	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37971	No
122	GOM_NL__2PRFIN20090604_184337_000000312079_00342_37971_0689.N1	04-JUN-2009 18:43:37	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37971	No
123	GOM_NL__2PRFIN20090604_184903_000000252079_00342_37971_0690.N1	04-JUN-2009 18:49:03	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37971	No
124	GOM_NL__2PRFIN20090604_192326_000000412079_00342_37971_0691.N1	04-JUN-2009 19:23:26	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37971	No
125	GOM_NL__2PRFIN20090604_192819_000000342079_00343_37972_0701.N1	04-JUN-2009 19:28:19	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37972	No
126	GOM_NL__2PRFIN20090604_194312_000000332079_00343_37972_0702.N1	04-JUN-2009 19:43:12	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37972	No
127	GOM_NL__2PRFIN20090604_194451_000000342079_00343_37972_0703.N1	04-JUN-2009 19:44:51	Tw_i_and_stray	33.500	116	19Del Sgr	2.7000	4100.0	67	37972	No
128	GOM_NL__2PRFIN20090604_195054_000000302079_00343_37972_0704.N1	04-JUN-2009 19:50:54	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37972	No
129	GOM_NL__2PRFIN20090604_200242_000000302079_00343_37972_0705.N1	04-JUN-2009 20:02:42	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37972	No
130	GOM_NL__2PRFIN20090604_200601_000000312079_00343_37972_0706.N1	04-JUN-2009 20:06:01	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37972	No
131	GOM_NL__2PRFIN20090604_201321_000000322079_00343_37972_0707.N1	04-JUN-2009 20:13:21	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37972	No
132	GOM_NL__2PRFIN20090604_202412_000000312079_00343_37972_0708.N1	04-JUN-2009 20:24:12	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37972	No
133	GOM_NL__2PRFIN20090604_202939_000000252079_00343_37972_0709.N1	04-JUN-2009 20:29:39	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37972	No
134	GOM_NL__2PRFIN20090604_204025_000000292079_00343_37972_0710.N1	04-JUN-2009 20:40:25	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37972	No
135	GOM_NL__2PRFIN20090604_204540_000000312079_00343_37972_0711.N1	04-JUN-2009 20:45:40	Dark	30.500	140	88Gam Peg	2.8340	26000.	61	37972	No
136	GOM_NL__2PRFIN20090604_210404_000000402079_00343_37972_0712.N1	04-JUN-2009 21:04:04	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37972	No
137	GOM_NL__2PRFIN20090604_210855_000000342079_00344_37973_0716.N1	04-JUN-2009 21:08:55	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37973	No
138	GOM_NL__2PRFIN20090604_212349_000000332079_00344_37973_0717.N1	04-JUN-2009 21:23:49	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37973	No
139	GOM_NL__2PRFIN20090604_212527_000000342079_00344_37973_0718.N1	04-JUN-2009 21:25:27	Tw_i_and_stray	33.500	116	19Del Sgr	2.7000	4100.0	67	37973	No
140	GOM_NL__2PRFIN20090604_213129_000000302079_00344_37973_0719.N1	04-JUN-2009 21:31:29	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37973	No
141	GOM_NL__2PRFIN20090604_214317_000000302079_00344_37973_0720.N1	04-JUN-2009 21:43:17	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37973	No
142	GOM_NL__2PRFIN20090604_214636_000000312079_00344_37973_0721.N1	04-JUN-2009 21:46:36	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37973	No
143	GOM_NL__2PRFIN20090604_215356_000000322079_00344_37973_0722.N1	04-JUN-2009 21:53:56	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37973	No
144	GOM_NL__2PRFIN20090604_220448_000000312079_00344_37973_0723.N1	04-JUN-2009 22:04:48	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37973	No
145	GOM_NL__2PRFIN20090604_221015_000000252079_00344_37973_0724.N1	04-JUN-2009 22:10:15	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37973	No
146	GOM_NL__2PRFIN20090604_222101_000000292079_00344_37973_0725.N1	04-JUN-2009 22:21:01	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37973	No
147	GOM_NL__2PRFIN20090604_222616_000000312079_00344_37973_0726.N1	04-JUN-2009 22:26:16	Dark	30.500	140	88Gam Peg	2.8340	26000.	61	37973	No
148	GOM_NL__2PRFIN20090604_224441_000000412079_00344_37973_0727.N1	04-JUN-2009 22:44:41	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37973	No
149	GOM_NL__2PRFIN20090604_224932_000000342079_00345_37974_0734.N1	04-JUN-2009 22:49:32	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37974	No
150	GOM_NL__2PRFIN20090604_230425_000000332079_00345_37974_0735.N1	04-JUN-2009 23:04:25	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37974	No
151	GOM_NL__2PRFIN20090604_230604_000000332079_00345_37974_0736.N1	04-JUN-2009 23:06:04	Tw_i_and_stray	33.000	116	19Del Sgr	2.7000	4100.0	66	37974	No
152	GOM_NL__2PRFIN20090604_231206_000000302079_00345_37974_0737.N1	04-JUN-2009 23:12:06	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37974	No
153	GOM_NL__2PRFIN20090604_232353_000000302079_00345_37974_0738.N1	04-JUN-2009 23:23:53	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37974	No
154	GOM_NL__2PRFIN20090604_232712_000000312079_00345_37974_0739.N1	04-JUN-2009 23:27:12	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37974	No
155	GOM_NL__2PRFIN20090604_233431_000000322079_00345_37974_0740.N1	04-JUN-2009 23:34:31	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37974	No
156	GOM_NL__2PRFIN20090604_234523_000000312079_00345_37974_0741.N1	04-JUN-2009 23:45:23	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37974	No
157	GOM_NL__2PRFIN20090604_235050_000000252079_00345_37974_0742.N1	04-JUN-2009 23:50:50	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37974	No



### 3. Quality information per product

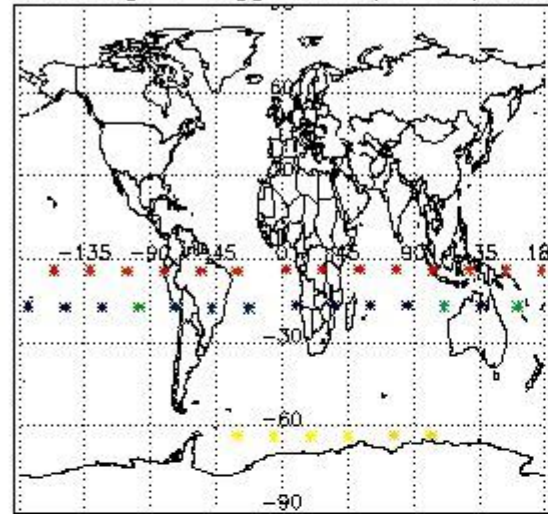
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

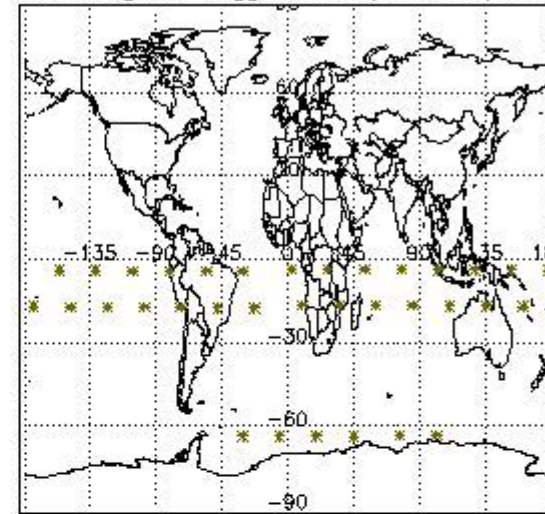


#### 3.2 Plot quality information per product (world map)

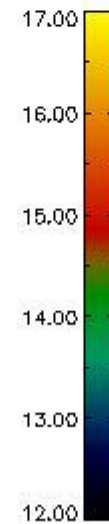
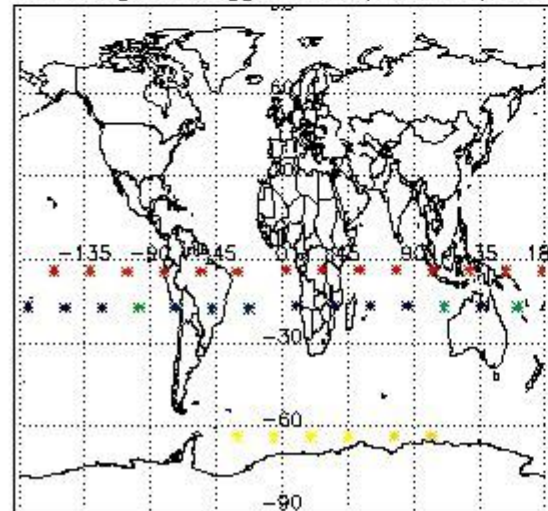
Percentage of flagged data per O3 profile



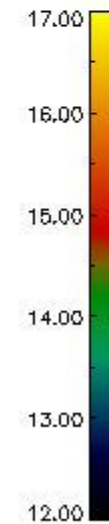
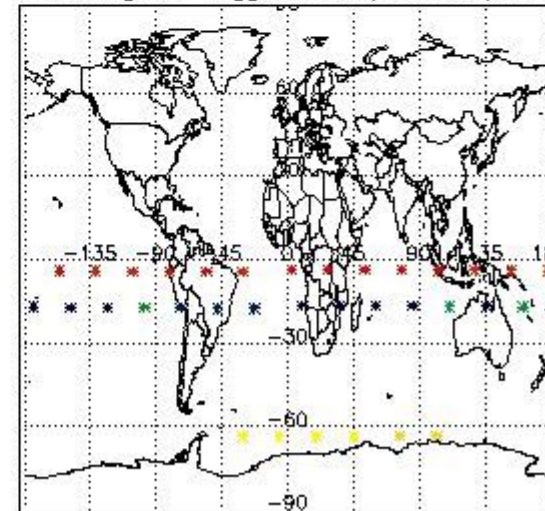
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

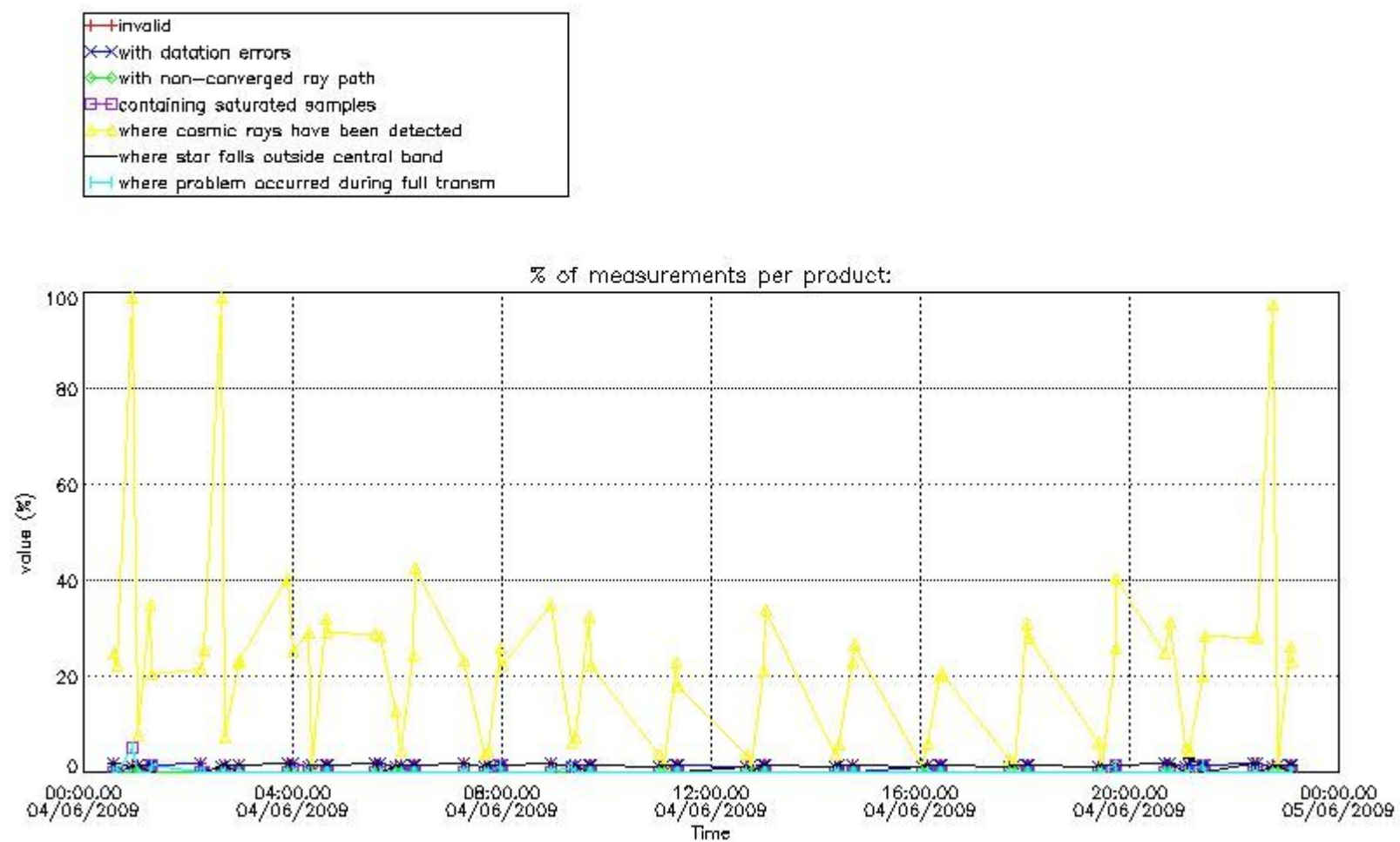


#### 4. Level 1 quality information per product

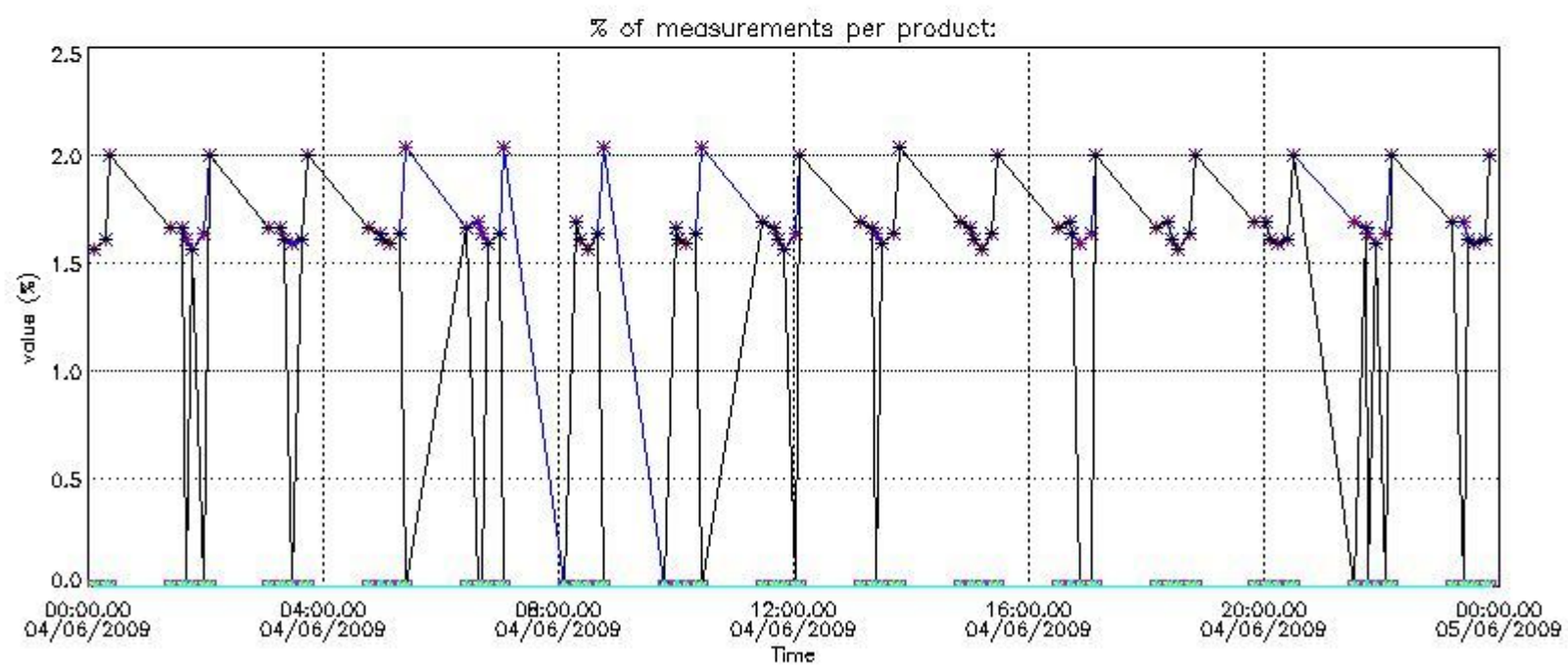
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

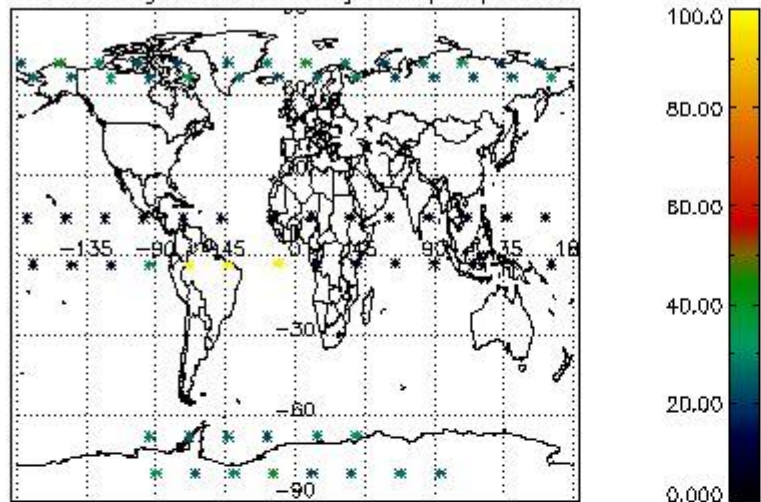


4.2 Plot quality information per product coming from level 1b processing (world map)

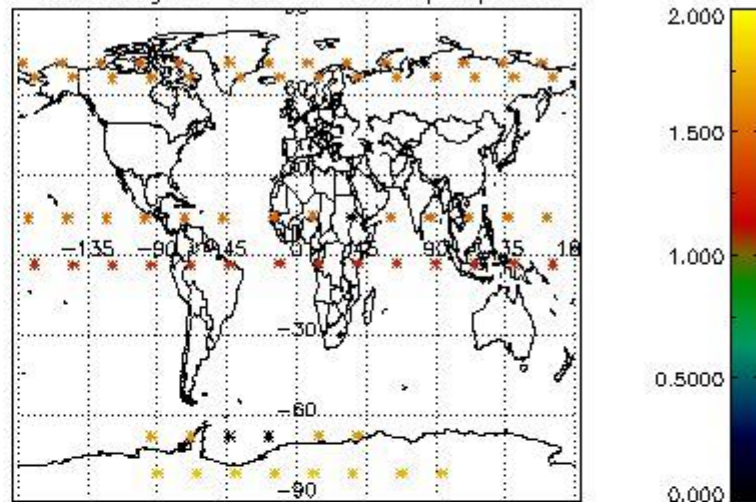
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



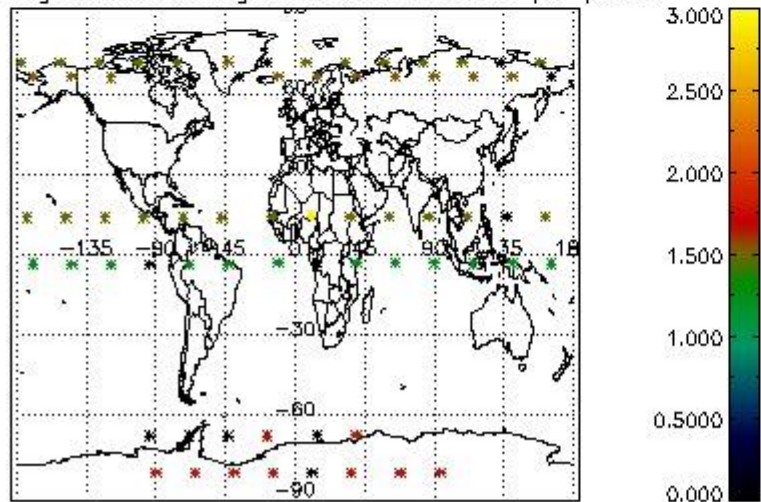
Percentage of cosmic ray hits per profile



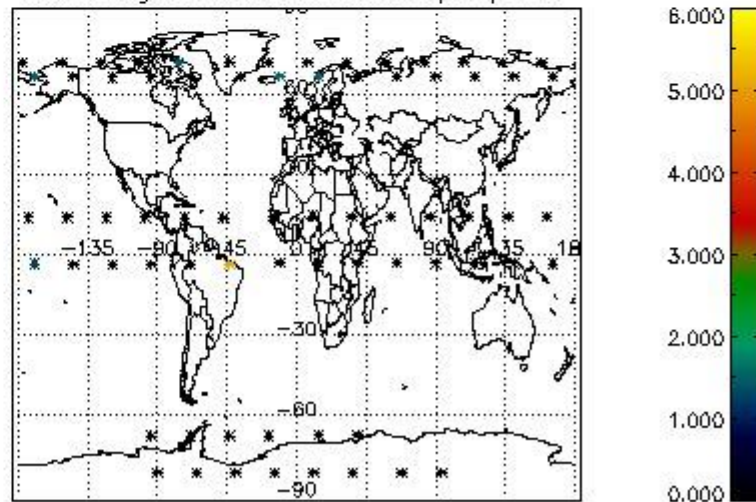
Percentage of datation errors per profile



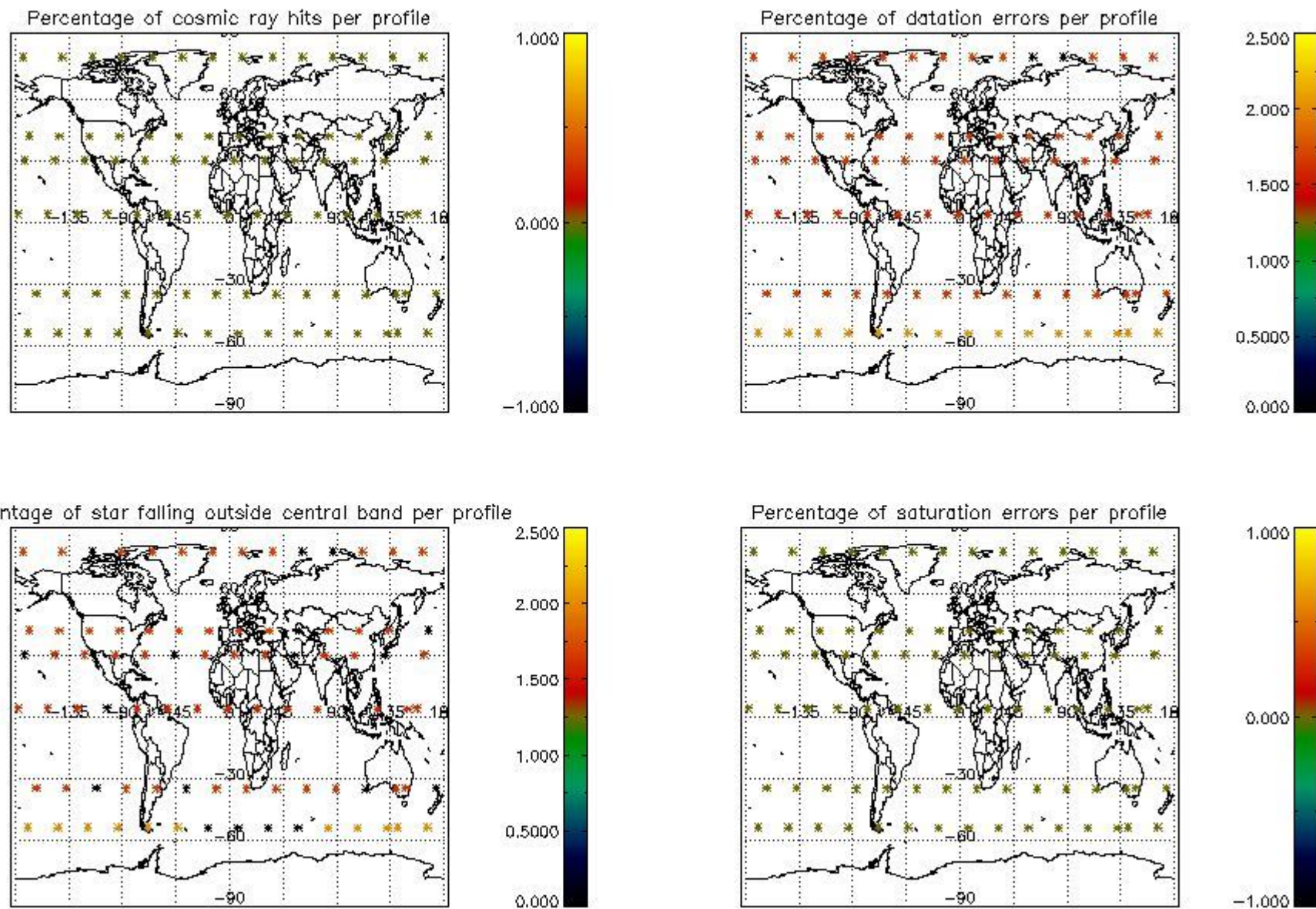
Percentage of star falling outside central band per profile



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.

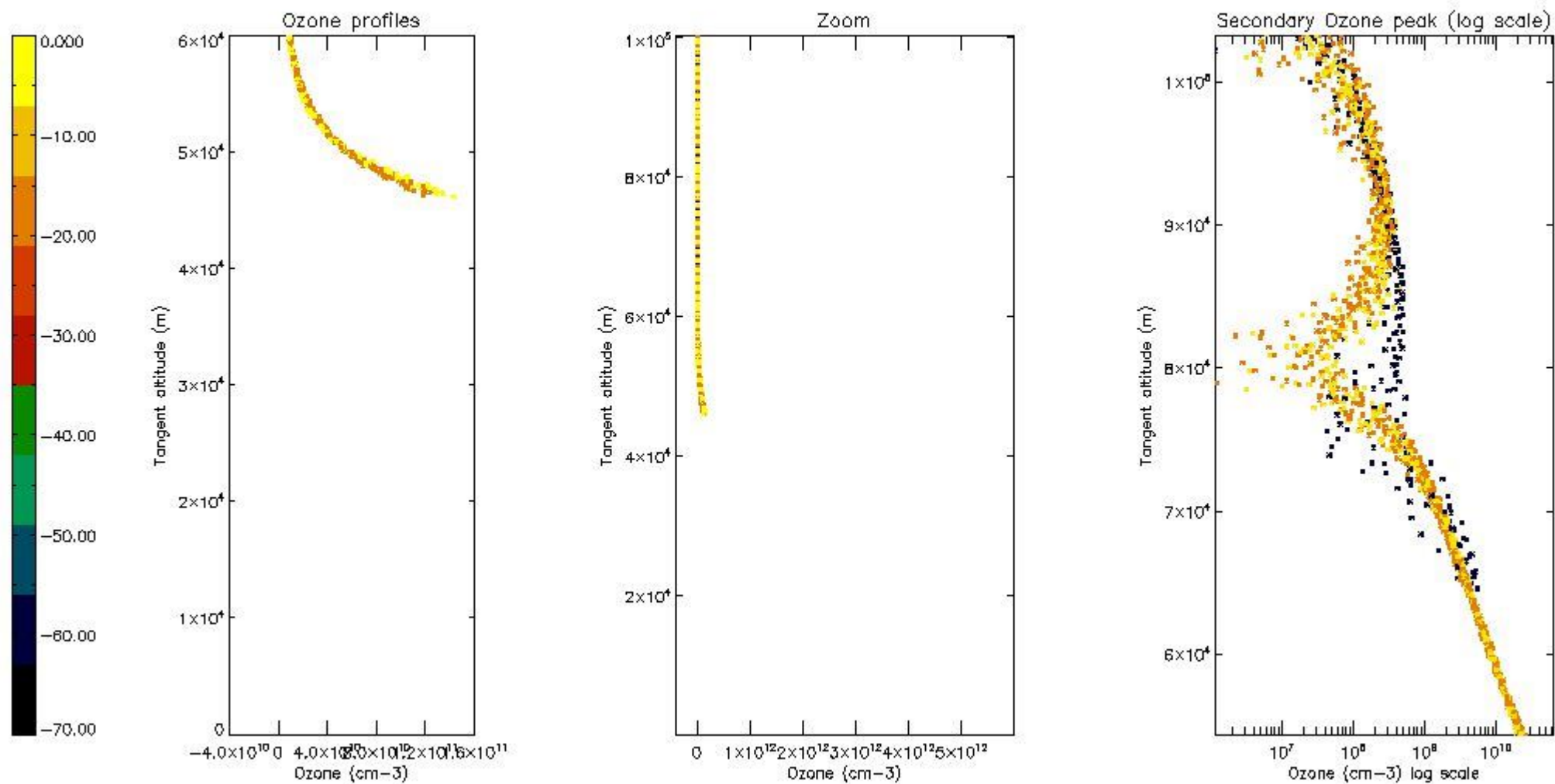
Criteria	% of total production
All STD	25
STD < 20	12



STD < 10	9
STD < 5	8

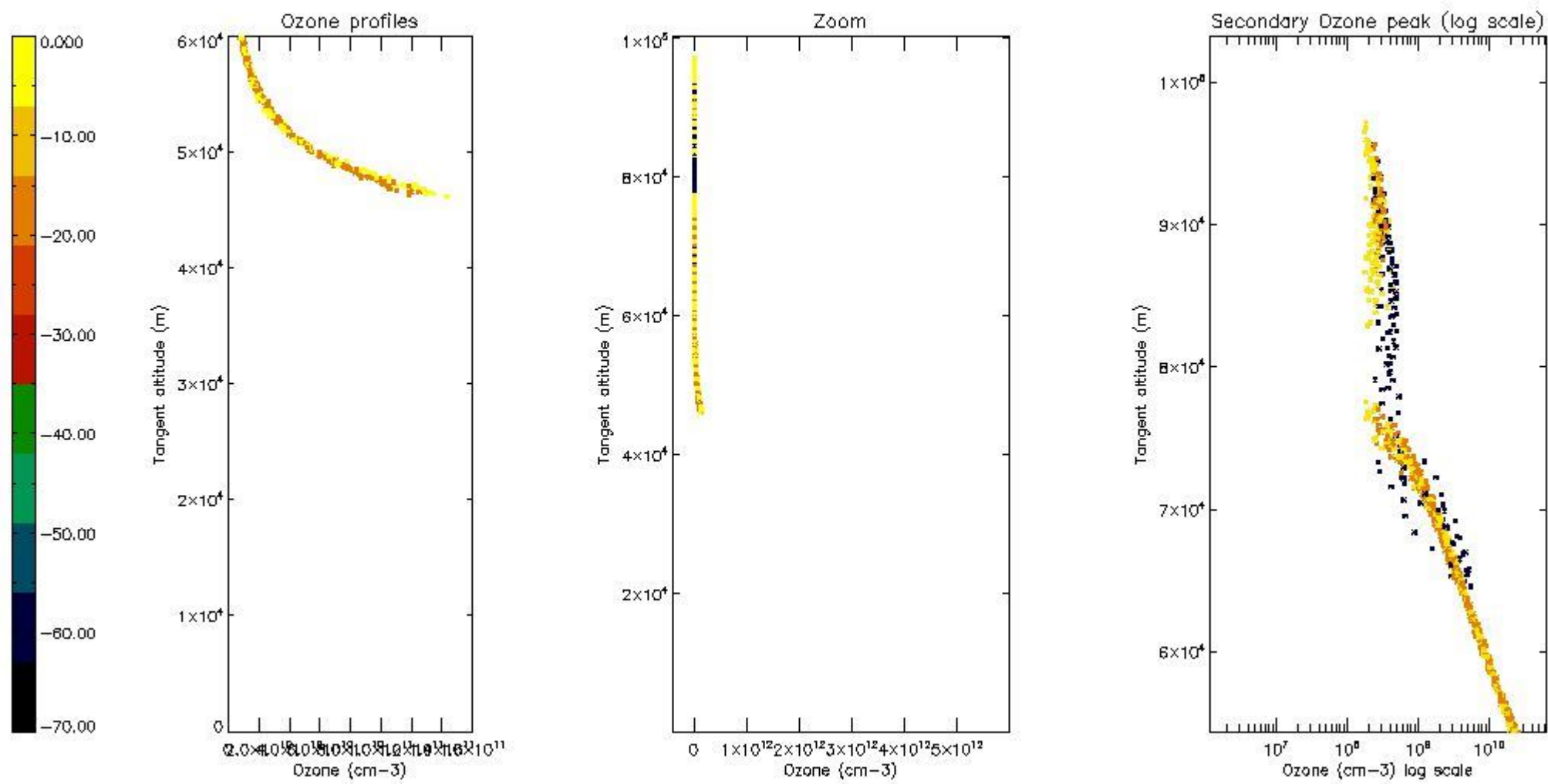
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

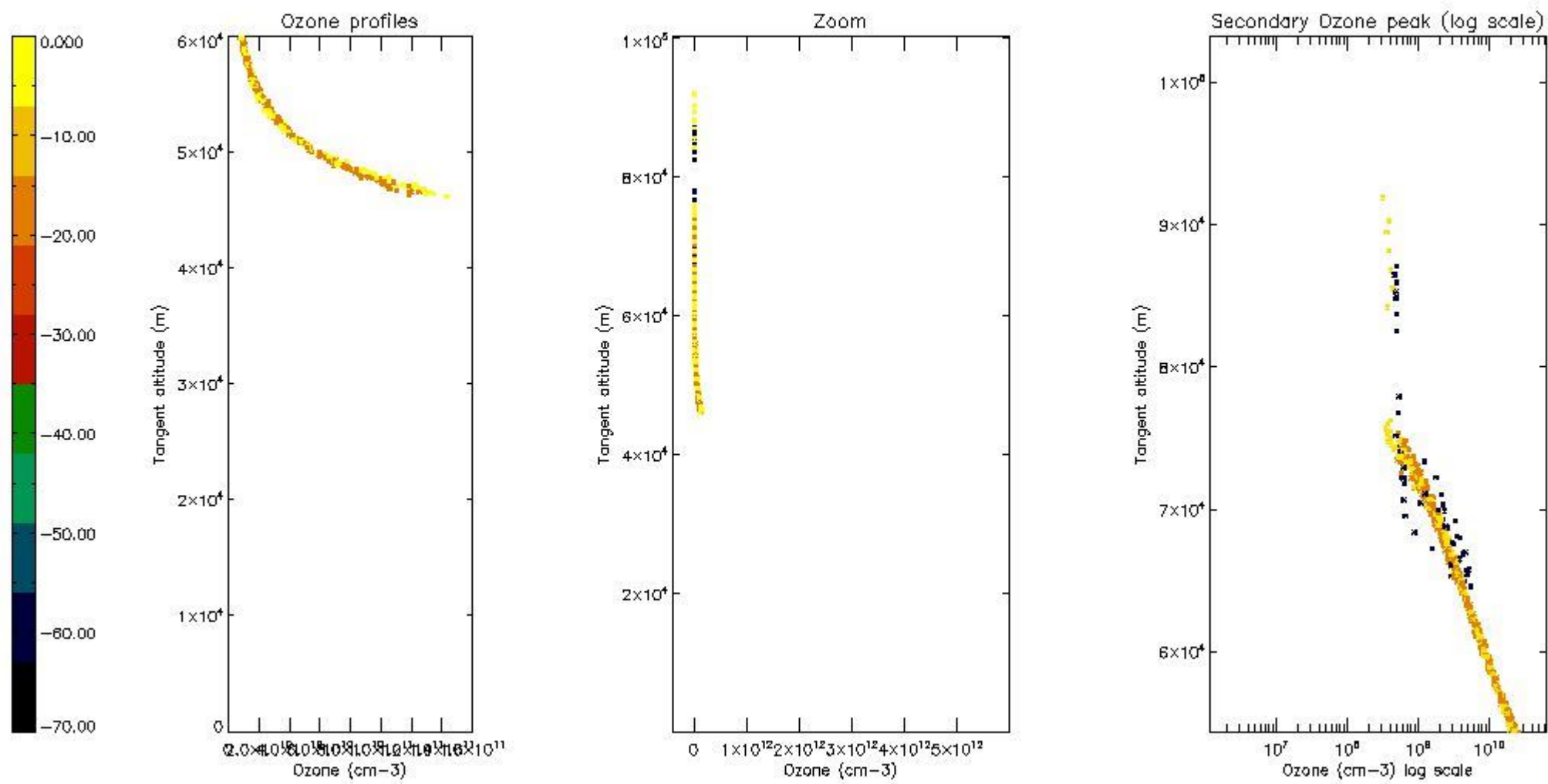
The colorbar represents the latitude.



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

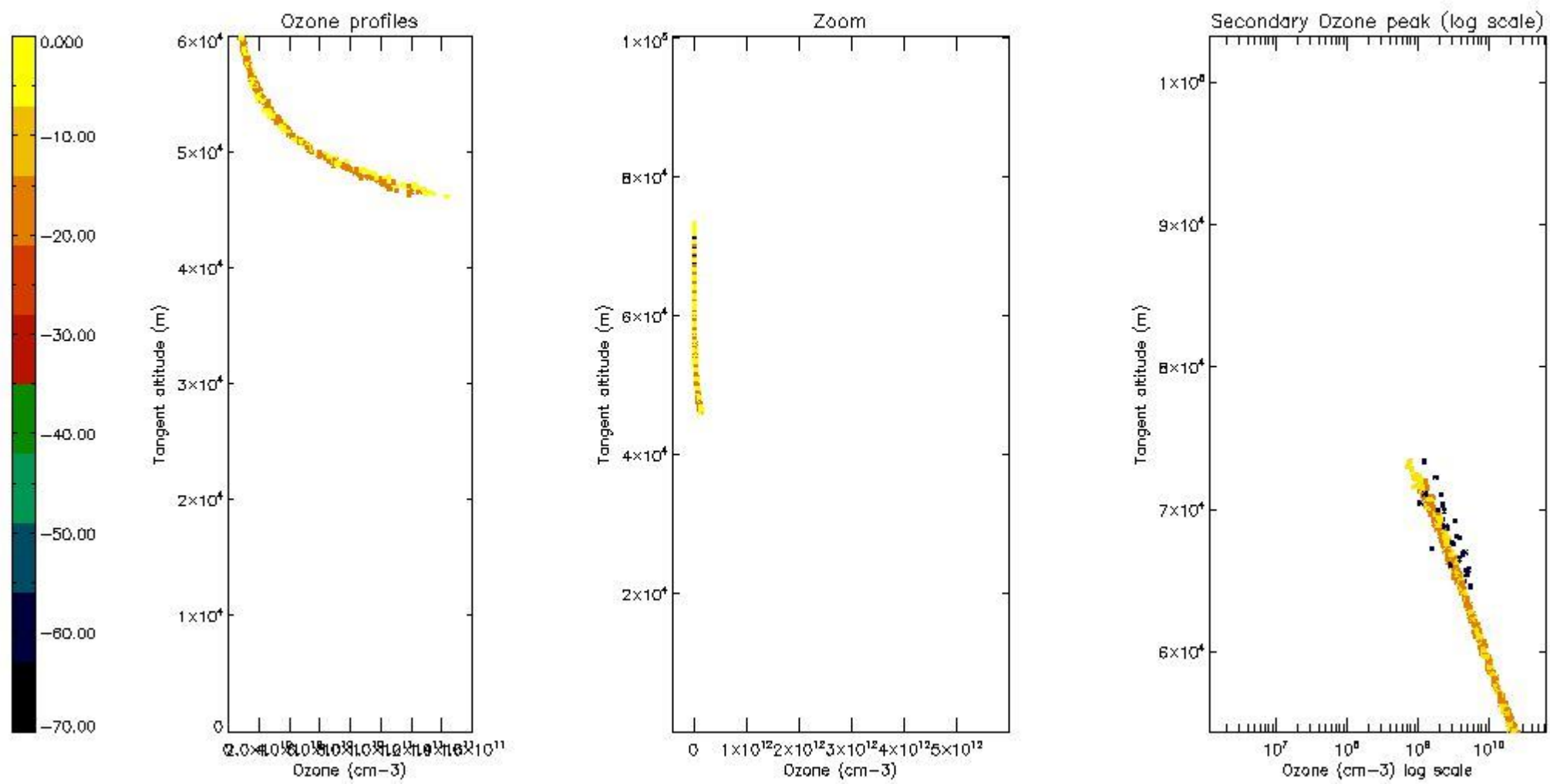
The colorbar represents the latitude.





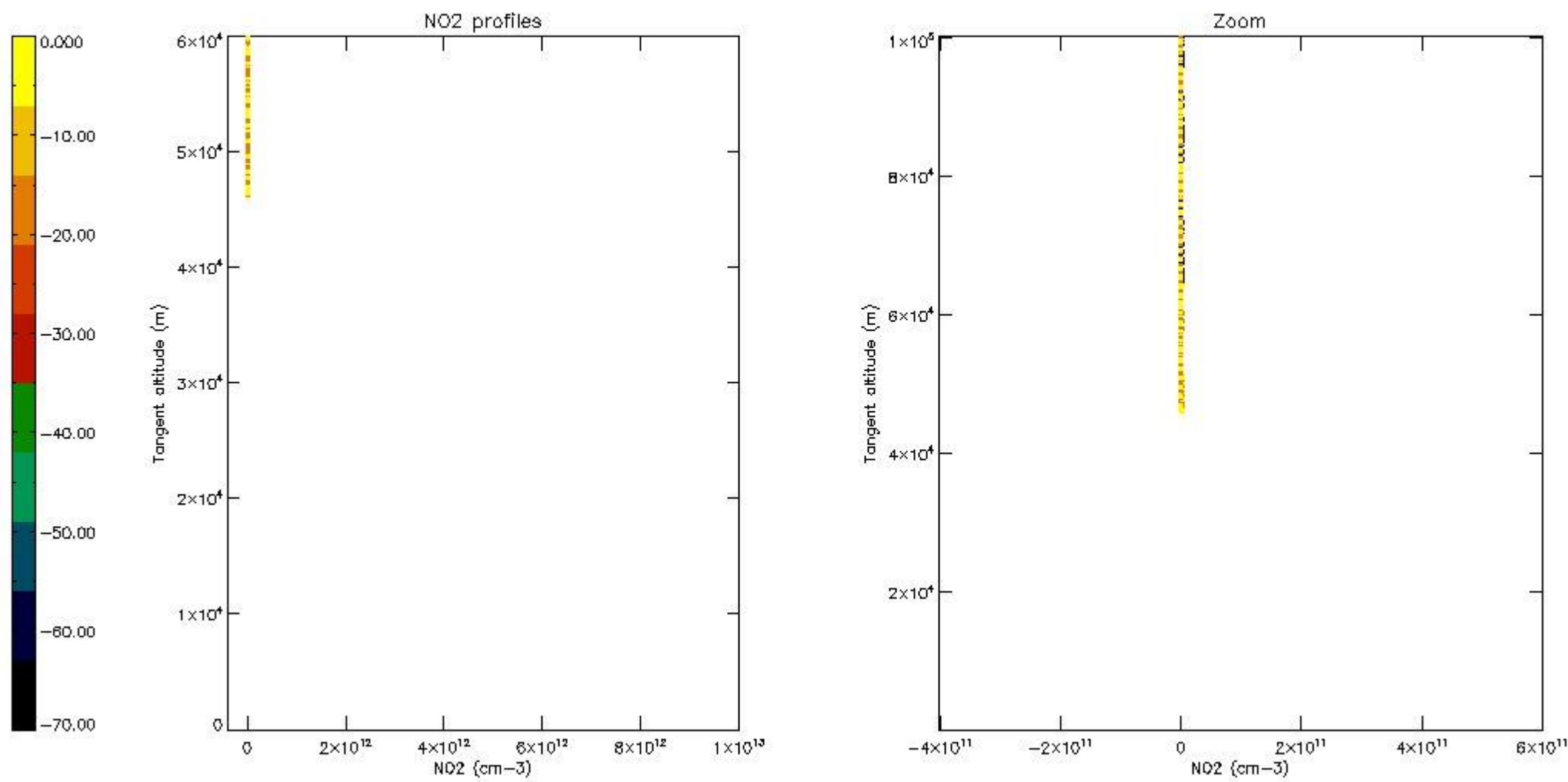
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



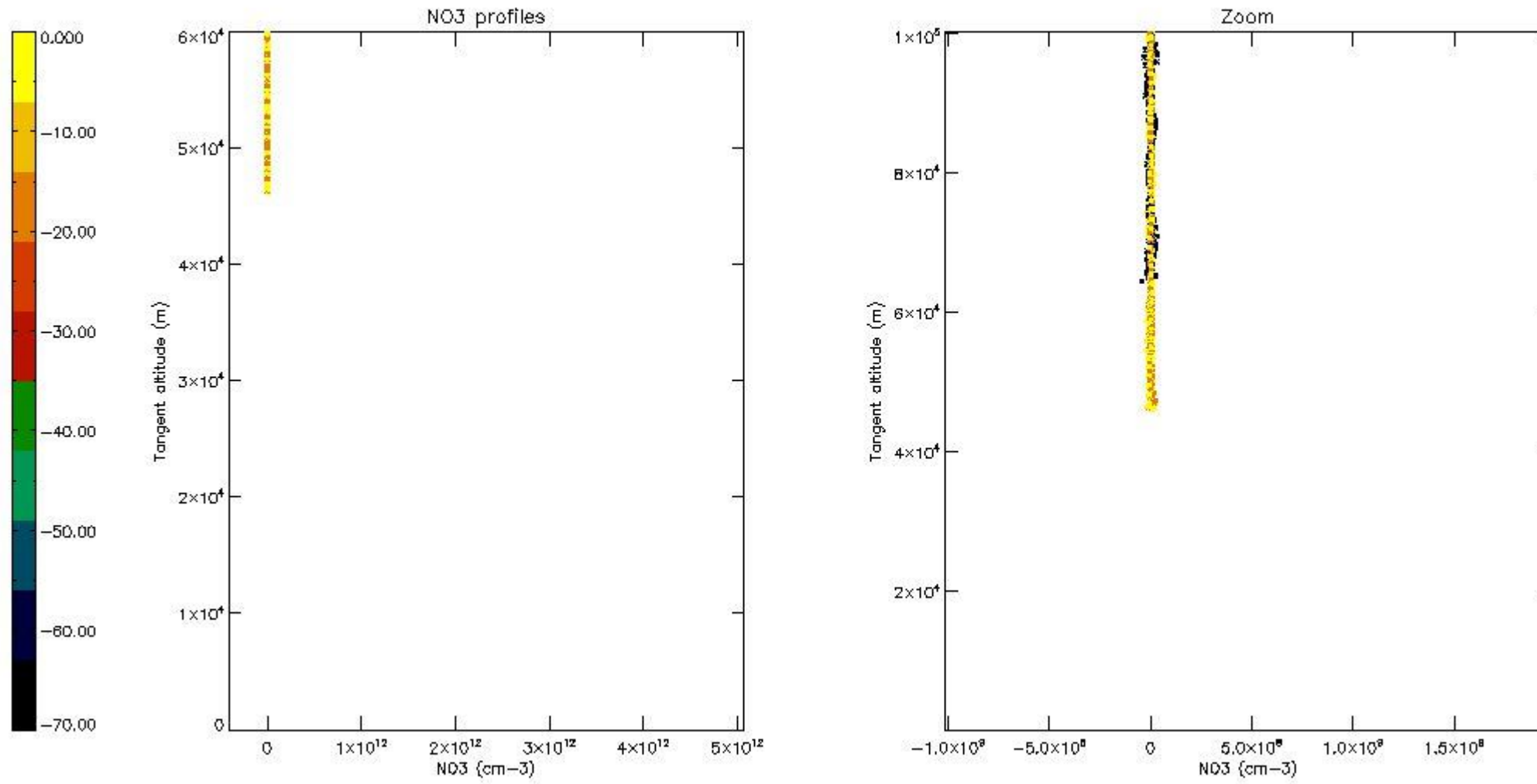
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

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	04-JUN-2009 00:06:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	04-JUN-2009 00:06:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	04-JUN-2009 00:06:16



# 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 09:57:19
Data source version	GOMOS/6.01
Start time of products	04-06-2009 (04JUN2009 00:00:00)
Stop time of products	05-06-2009 (05JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	157
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__2PRFIN20090604_000616_000000322079_00331_37960_0435.N1	04-JUN-2009 00:06:16	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37960	No
2	GOM_NL__2PRFIN20090604_001708_000000312079_00331_37960_0436.N1	04-JUN-2009 00:17:08	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	37960	No
3	GOM_NL__2PRFIN20090604_002231_000000252079_00331_37960_0437.N1	04-JUN-2009 00:22:31	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37960	No
4	GOM_NL__2PRFIN20090604_003311_000000292079_00331_37960_0438.N1	04-JUN-2009 00:33:11	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37960	No
5	GOM_NL__2PRFIN20090604_003822_000000302079_00331_37960_0439.N1	04-JUN-2009 00:38:22	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37960	No
6	GOM_NL__2PRFIN20090604_005637_000000402079_00331_37960_0440.N1	04-JUN-2009 00:56:37	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37960	No
7	GOM_NL__2PRFIN20090604_010133_000000342079_00332_37961_0444.N1	04-JUN-2009 01:01:33	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37961	No
8	GOM_NL__2PRFIN20090604_011631_000000332079_00332_37961_0445.N1	04-JUN-2009 01:16:31	Twilight	33.000	38	20Eps Sgr	1.8360	11000.	66	37961	No
9	GOM_NL__2PRFIN20090604_011810_000000352079_00332_37961_0446.N1	04-JUN-2009 01:18:10	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37961	No
10	GOM_NL__2PRFIN20090604_012417_000000302079_00332_37961_0447.N1	04-JUN-2009 01:24:17	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37961	No
11	GOM_NL__2PRFIN20090604_013610_000000302079_00332_37961_0448.N1	04-JUN-2009 01:36:10	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37961	No
12	GOM_NL__2PRFIN20090604_013930_000000312079_00332_37961_0449.N1	04-JUN-2009 01:39:30	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37961	No
13	GOM_NL__2PRFIN20090604_014651_000000322079_00332_37961_0450.N1	04-JUN-2009 01:46:51	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37961	No
14	GOM_NL__2PRFIN20090604_015744_000000312079_00332_37961_0451.N1	04-JUN-2009 01:57:44	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37961	No
15	GOM_NL__2PRFIN20090604_020306_000000252079_00332_37961_0452.N1	04-JUN-2009 02:03:06	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37961	No
16	GOM_NL__2PRFIN20090604_021347_000000282079_00332_37961_0453.N1	04-JUN-2009 02:13:47	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37961	No
17	GOM_NL__2PRFIN20090604_021858_000000302079_00332_37961_0454.N1	04-JUN-2009 02:18:58	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37961	No
18	GOM_NL__2PRFIN20090604_023714_000000402079_00332_37961_0455.N1	04-JUN-2009 02:37:14	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37961	No
19	GOM_NL__2PRFIN20090604_024209_000000342079_00333_37962_0459.N1	04-JUN-2009 02:42:09	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37962	No
20	GOM_NL__2PRFIN20090604_025708_000000332079_00333_37962_0460.N1	04-JUN-2009 02:57:08	Twilight	33.000	38	20Eps Sgr	1.8360	11000.	66	37962	No
21	GOM_NL__2PRFIN20090604_025847_000000352079_00333_37962_0461.N1	04-JUN-2009 02:58:47	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37962	No
22	GOM_NL__2PRFIN20090604_030453_000000302079_00333_37962_0462.N1	04-JUN-2009 03:04:53	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37962	No
23	GOM_NL__2PRFIN20090604_031646_000000302079_00333_37962_0463.N1	04-JUN-2009 03:16:46	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37962	No
24	GOM_NL__2PRFIN20090604_032006_000000312079_00333_37962_0464.N1	04-JUN-2009 03:20:06	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37962	No
25	GOM_NL__2PRFIN20090604_032727_000000322079_00333_37962_0465.N1	04-JUN-2009 03:27:27	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37962	No
26	GOM_NL__2PRFIN20090604_033819_000000312079_00333_37962_0466.N1	04-JUN-2009 03:38:19	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	37962	No
27	GOM_NL__2PRFIN20090604_034342_000000252079_00333_37962_0467.N1	04-JUN-2009 03:43:42	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37962	No
28	GOM_NL__2PRFIN20090604_035423_000000292079_00333_37962_0468.N1	04-JUN-2009 03:54:23	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37962	No
29	GOM_NL__2PRFIN20090604_035934_000000302079_00333_37962_0469.N1	04-JUN-2009 03:59:34	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37962	No
30	GOM_NL__2PRFIN20090604_041751_000000402079_00333_37962_0470.N1	04-JUN-2009 04:17:51	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37962	No
31	GOM_NL__2PRFIN20090604_042246_000000342079_00334_37963_0474.N1	04-JUN-2009 04:22:46	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37963	No
32	GOM_NL__2PRFIN20090604_043744_000000332079_00334_37963_0475.N1	04-JUN-2009 04:37:44	Twilight	33.000	38	20Eps Sgr	1.8360	11000.	66	37963	No
33	GOM_NL__2PRFIN20090604_043923_000000352079_00334_37963_0476.N1	04-JUN-2009 04:39:23	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37963	No
34	GOM_NL__2PRFIN20090604_044529_000000302079_00334_37963_0477.N1	04-JUN-2009 04:45:29	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37963	No
35	GOM_NL__2PRFIN20090604_045721_000000312079_00334_37963_0478.N1	04-JUN-2009 04:57:21	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37963	No
36	GOM_NL__2PRFIN20090604_050041_000000312079_00334_37963_0479.N1	04-JUN-2009 05:00:41	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37963	No
37	GOM_NL__2PRFIN20090604_050802_000000322079_00334_37963_0480.N1	04-JUN-2009 05:08:02	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37963	No
38	GOM_NL__2PRFIN20090604_051855_000000312079_00334_37963_0481.N1	04-JUN-2009 05:18:55	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37963	No
39	GOM_NL__2PRFIN20090604_052418_000000252079_00334_37963_0482.N1	04-JUN-2009 05:24:18	Twilight	24.500	74	11Bet Cas	2.2680	6600.0	49	37963	No
40	GOM_NL__2PRFIN20090604_053459_000000282079_00334_37963_0483.N1	04-JUN-2009 05:34:59	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37963	No
41	GOM_NL__2PRFIN20090604_054011_000000302079_00334_37963_0484.N1	04-JUN-2009 05:40:11	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37963	No
42	GOM_NL__2PRFIN20090604_055829_000000402079_00334_37963_0485.N1	04-JUN-2009 05:58:29	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37963	No

43	GOM_NL__2PRFIN20090604_060324_000000342079_00335_37964_0488.N1	04-JUN-2009 06:03:24	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37964	No
44	GOM_NL__2PRFIN20090604_061821_000000332079_00335_37964_0489.N1	04-JUN-2009 06:18:21	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37964	No
45	GOM_NL__2PRFIN20090604_062000_000000342079_00335_37964_0490.N1	04-JUN-2009 06:20:00	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37964	No
46	GOM_NL__2PRFIN20090604_062605_000000302079_00335_37964_0491.N1	04-JUN-2009 06:26:05	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37964	No
47	GOM_NL__2PRFIN20090604_063757_000000302079_00335_37964_0492.N1	04-JUN-2009 06:37:57	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37964	No
48	GOM_NL__2PRFIN20090604_064117_000000312079_00335_37964_0493.N1	04-JUN-2009 06:41:17	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37964	No
49	GOM_NL__2PRFIN20090604_064838_000000322079_00335_37964_0494.N1	04-JUN-2009 06:48:38	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37964	No
50	GOM_NL__2PRFIN20090604_065930_000000312079_00335_37964_0495.N1	04-JUN-2009 06:59:30	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37964	No
51	GOM_NL__2PRFIN20090604_070454_000000252079_00335_37964_0496.N1	04-JUN-2009 07:04:54	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37964	No
52	GOM_NL__2PRFIN20090604_071535_000000282079_00335_37964_0497.N1	04-JUN-2009 07:15:35	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37964	No
53	GOM_NL__2PRFIN20090604_073906_000000402079_00335_37964_0498.N1	04-JUN-2009 07:39:06	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37964	No
54	GOM_NL__2PRFIN20090604_074400_000000342079_00336_37965_0502.N1	04-JUN-2009 07:44:00	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37965	No
55	GOM_NL__2PRFIN20090604_075857_000000332079_00336_37965_0503.N1	04-JUN-2009 07:58:57	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37965	No
56	GOM_NL__2PRFIN20090604_080036_000000342079_00336_37965_0504.N1	04-JUN-2009 08:00:36	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37965	No
57	GOM_NL__2PRFIN20090604_080641_000000292079_00336_37965_0505.N1	04-JUN-2009 08:06:41	Tw_i_and_stray	29.000	86	35Eta Oph	2.4300	10200.	58	37965	No
58	GOM_NL__2PRFIN20090604_081832_000000302079_00336_37965_0506.N1	04-JUN-2009 08:18:32	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37965	No
59	GOM_NL__2PRFIN20090604_082152_000000312079_00336_37965_0507.N1	04-JUN-2009 08:21:52	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37965	No
60	GOM_NL__2PRFIN20090604_082913_000000322079_00336_37965_0508.N1	04-JUN-2009 08:29:13	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37965	No
61	GOM_NL__2PRFIN20090604_084005_000000312079_00336_37965_0509.N1	04-JUN-2009 08:40:05	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37965	No
62	GOM_NL__2PRFIN20090604_084529_000000252079_00336_37965_0510.N1	04-JUN-2009 08:45:29	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37965	No
63	GOM_NL__2PRFIN20090604_085611_000000292079_00336_37965_0511.N1	04-JUN-2009 08:56:11	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37965	No
64	GOM_NL__2PRFIN20090604_091943_000000402079_00336_37965_0512.N1	04-JUN-2009 09:19:43	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37965	No
65	GOM_NL__2PRFIN20090604_092437_000000342079_00337_37966_0518.N1	04-JUN-2009 09:24:37	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37966	No
66	GOM_NL__2PRFIN20090604_093934_000000332079_00337_37966_0519.N1	04-JUN-2009 09:39:34	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37966	No
67	GOM_NL__2PRFIN20090604_094113_000000342079_00337_37966_0520.N1	04-JUN-2009 09:41:13	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37966	No
68	GOM_NL__2PRFIN20090604_094717_000000292079_00337_37966_0521.N1	04-JUN-2009 09:47:17	Tw_i_and_stray	29.000	86	35Eta Oph	2.4300	10200.	58	37966	No
69	GOM_NL__2PRFIN20090604_095908_000000302079_00337_37966_0522.N1	04-JUN-2009 09:59:08	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37966	No
70	GOM_NL__2PRFIN20090604_100228_000000312079_00337_37966_0523.N1	04-JUN-2009 10:02:28	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37966	No
71	GOM_NL__2PRFIN20090604_100948_000000322079_00337_37966_0524.N1	04-JUN-2009 10:09:48	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37966	No
72	GOM_NL__2PRFIN20090604_102041_000000312079_00337_37966_0525.N1	04-JUN-2009 10:20:41	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37966	No
73	GOM_NL__2PRFIN20090604_102605_000000252079_00337_37966_0526.N1	04-JUN-2009 10:26:05	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37966	No
74	GOM_NL__2PRFIN20090604_110020_000000402079_00337_37966_0527.N1	04-JUN-2009 11:00:20	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37966	No
75	GOM_NL__2PRFIN20090604_110514_000000342079_00338_37967_0546.N1	04-JUN-2009 11:05:14	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37967	No
76	GOM_NL__2PRFIN20090604_112010_000000332079_00338_37967_0547.N1	04-JUN-2009 11:20:10	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37967	No
77	GOM_NL__2PRFIN20090604_112149_000000342079_00338_37967_0548.N1	04-JUN-2009 11:21:49	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37967	No
78	GOM_NL__2PRFIN20090604_112753_000000302079_00338_37967_0549.N1	04-JUN-2009 11:27:53	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37967	No
79	GOM_NL__2PRFIN20090604_113943_000000302079_00338_37967_0550.N1	04-JUN-2009 11:39:43	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37967	No
80	GOM_NL__2PRFIN20090604_114303_000000312079_00338_37967_0551.N1	04-JUN-2009 11:43:03	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37967	No
81	GOM_NL__2PRFIN20090604_115024_000000322079_00338_37967_0552.N1	04-JUN-2009 11:50:24	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37967	No
82	GOM_NL__2PRFIN20090604_120116_000000312079_00338_37967_0553.N1	04-JUN-2009 12:01:16	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37967	No
83	GOM_NL__2PRFIN20090604_120641_000000252079_00338_37967_0554.N1	04-JUN-2009 12:06:41	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37967	No
84	GOM_NL__2PRFIN20090604_124058_000000402079_00338_37967_0555.N1	04-JUN-2009 12:40:58	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37967	No
85	GOM_NL__2PRFIN20090604_124551_000000342079_00339_37968_0573.N1	04-JUN-2009 12:45:51	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37968	No
86	GOM_NL__2PRFIN20090604_130046_000000332079_00339_37968_0574.N1	04-JUN-2009 13:00:46	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37968	No
87	GOM_NL__2PRFIN20090604_130225_000000342079_00339_37968_0575.N1	04-JUN-2009 13:02:25	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37968	No
88	GOM_NL__2PRFIN20090604_130829_000000302079_00339_37968_0576.N1	04-JUN-2009 13:08:29	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37968	No
89	GOM_NL__2PRFIN20090604_132019_000000302079_00339_37968_0577.N1	04-JUN-2009 13:20:19	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37968	No
90	GOM_NL__2PRFIN20090604_132339_000000312079_00339_37968_0578.N1	04-JUN-2009 13:23:39	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37968	No
91	GOM_NL__2PRFIN20090604_133059_000000322079_00339_37968_0579.N1	04-JUN-2009 13:30:59	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37968	No
92	GOM_NL__2PRFIN20090604_134151_000000312079_00339_37968_0580.N1	04-JUN-2009 13:41:51	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37968	No
93	GOM_NL__2PRFIN20090604_134716_000000252079_00339_37968_0581.N1	04-JUN-2009 13:47:16	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37968	No
94	GOM_NL__2PRFIN20090604_142134_000000412079_00339_37968_0582.N1	04-JUN-2009 14:21:34	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37968	No
95	GOM_NL__2PRFIN20090604_142628_000000342079_00340_37969_0625.N1	04-JUN-2009 14:26:28	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37969	No
96	GOM_NL__2PRFIN20090604_144123_000000332079_00340_37969_0626.N1	04-JUN-2009 14:41:23	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37969	No
97	GOM_NL__2PRFIN20090604_144301_000000342079_00340_37969_0627.N1	04-JUN-2009 14:43:01	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37969	No
98	GOM_NL__2PRFIN20090604_144906_000000302079_00340_37969_0628.N1	04-JUN-2009 14:49:06	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37969	No
99	GOM_NL__2PRFIN20090604_150055_000000302079_00340_37969_0629.N1	04-JUN-2009 15:00:55	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37969	No
100	GOM_NL__2PRFIN20090604_150414_000000312079_00340_37969_0630.N1	04-JUN-2009 15:04:14	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37969	No
101	GOM_NL__2PRFIN20090604_151134_000000322079_00340_37969_0631.N1	04-JUN-2009 15:11:34	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37969	No

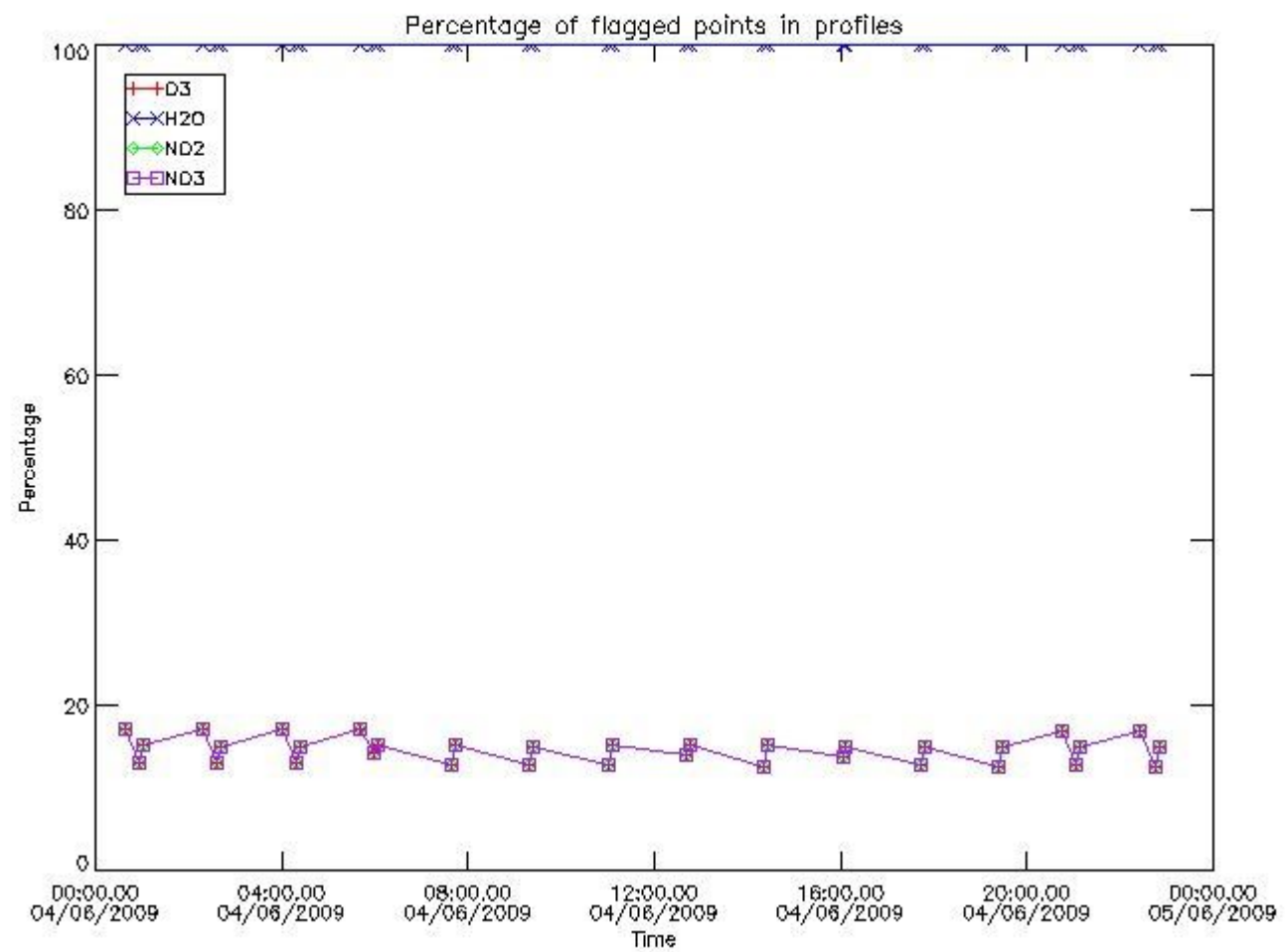
102	GOM_NL__2PRFIN20090604_152227_000000312079_00340_37969_0632.N1	04-JUN-2009 15:22:27	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37969	No
103	GOM_NL__2PRFIN20090604_152752_000000252079_00340_37969_0633.N1	04-JUN-2009 15:27:52	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37969	No
104	GOM_NL__2PRFIN20090604_160212_000000412079_00340_37969_0634.N1	04-JUN-2009 16:02:12	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37969	No
105	GOM_NL__2PRFIN20090604_160705_000000342079_00341_37970_0661.N1	04-JUN-2009 16:07:05	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37970	No
106	GOM_NL__2PRFIN20090604_162200_000000332079_00341_37970_0662.N1	04-JUN-2009 16:22:00	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37970	No
107	GOM_NL__2PRFIN20090604_162338_000000342079_00341_37970_0663.N1	04-JUN-2009 16:23:38	Tw_i_and_stray	33.500	116	19Del Sgr	2.7000	4100.0	67	37970	No
108	GOM_NL__2PRFIN20090604_162941_000000302079_00341_37970_0664.N1	04-JUN-2009 16:29:41	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37970	No
109	GOM_NL__2PRFIN20090604_164131_000000302079_00341_37970_0665.N1	04-JUN-2009 16:41:31	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37970	No
110	GOM_NL__2PRFIN20090604_164450_000000312079_00341_37970_0666.N1	04-JUN-2009 16:44:50	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37970	No
111	GOM_NL__2PRFIN20090604_165210_000000322079_00341_37970_0667.N1	04-JUN-2009 16:52:10	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37970	No
112	GOM_NL__2PRFIN20090604_170302_000000312079_00341_37970_0668.N1	04-JUN-2009 17:03:02	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37970	No
113	GOM_NL__2PRFIN20090604_170828_000000252079_00341_37970_0669.N1	04-JUN-2009 17:08:28	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37970	No
114	GOM_NL__2PRFIN20090604_174249_000000402079_00341_37970_0670.N1	04-JUN-2009 17:42:49	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37970	No
115	GOM_NL__2PRFIN20090604_174742_000000342079_00342_37971_0682.N1	04-JUN-2009 17:47:42	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37971	No
116	GOM_NL__2PRFIN20090604_180236_000000332079_00342_37971_0683.N1	04-JUN-2009 18:02:36	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37971	No
117	GOM_NL__2PRFIN20090604_180415_000000342079_00342_37971_0684.N1	04-JUN-2009 18:04:15	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37971	No
118	GOM_NL__2PRFIN20090604_181017_000000302079_00342_37971_0685.N1	04-JUN-2009 18:10:17	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37971	No
119	GOM_NL__2PRFIN20090604_182206_000000302079_00342_37971_0686.N1	04-JUN-2009 18:22:06	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37971	No
120	GOM_NL__2PRFIN20090604_182525_000000312079_00342_37971_0687.N1	04-JUN-2009 18:25:25	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37971	No
121	GOM_NL__2PRFIN20090604_183245_000000322079_00342_37971_0688.N1	04-JUN-2009 18:32:45	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37971	No
122	GOM_NL__2PRFIN20090604_184337_000000312079_00342_37971_0689.N1	04-JUN-2009 18:43:37	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37971	No
123	GOM_NL__2PRFIN20090604_184903_000000252079_00342_37971_0690.N1	04-JUN-2009 18:49:03	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37971	No
124	GOM_NL__2PRFIN20090604_192326_000000412079_00342_37971_0691.N1	04-JUN-2009 19:23:26	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37971	No
125	GOM_NL__2PRFIN20090604_192819_000000342079_00343_37972_0701.N1	04-JUN-2009 19:28:19	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37972	No
126	GOM_NL__2PRFIN20090604_194312_000000332079_00343_37972_0702.N1	04-JUN-2009 19:43:12	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37972	No
127	GOM_NL__2PRFIN20090604_194451_000000342079_00343_37972_0703.N1	04-JUN-2009 19:44:51	Tw_i_and_stray	33.500	116	19Del Sgr	2.7000	4100.0	67	37972	No
128	GOM_NL__2PRFIN20090604_195054_000000302079_00343_37972_0704.N1	04-JUN-2009 19:50:54	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37972	No
129	GOM_NL__2PRFIN20090604_200242_000000302079_00343_37972_0705.N1	04-JUN-2009 20:02:42	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37972	No
130	GOM_NL__2PRFIN20090604_200601_000000312079_00343_37972_0706.N1	04-JUN-2009 20:06:01	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37972	No
131	GOM_NL__2PRFIN20090604_201321_000000322079_00343_37972_0707.N1	04-JUN-2009 20:13:21	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37972	No
132	GOM_NL__2PRFIN20090604_202412_000000312079_00343_37972_0708.N1	04-JUN-2009 20:24:12	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37972	No
133	GOM_NL__2PRFIN20090604_202939_000000252079_00343_37972_0709.N1	04-JUN-2009 20:29:39	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37972	No
134	GOM_NL__2PRFIN20090604_204025_000000292079_00343_37972_0710.N1	04-JUN-2009 20:40:25	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37972	No
135	GOM_NL__2PRFIN20090604_204540_000000312079_00343_37972_0711.N1	04-JUN-2009 20:45:40	Dark	30.500	140	88Gam Peg	2.8340	26000.	61	37972	No
136	GOM_NL__2PRFIN20090604_210404_000000402079_00343_37972_0712.N1	04-JUN-2009 21:04:04	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37972	No
137	GOM_NL__2PRFIN20090604_210855_000000342079_00344_37973_0716.N1	04-JUN-2009 21:08:55	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37973	No
138	GOM_NL__2PRFIN20090604_212349_000000332079_00344_37973_0717.N1	04-JUN-2009 21:23:49	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37973	No
139	GOM_NL__2PRFIN20090604_212527_000000342079_00344_37973_0718.N1	04-JUN-2009 21:25:27	Tw_i_and_stray	33.500	116	19Del Sgr	2.7000	4100.0	67	37973	No
140	GOM_NL__2PRFIN20090604_213129_000000302079_00344_37973_0719.N1	04-JUN-2009 21:31:29	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37973	No
141	GOM_NL__2PRFIN20090604_214317_000000302079_00344_37973_0720.N1	04-JUN-2009 21:43:17	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37973	No
142	GOM_NL__2PRFIN20090604_214636_000000312079_00344_37973_0721.N1	04-JUN-2009 21:46:36	Bright	30.500	133	40Zet Her	2.8070	6000.0	61	37973	No
143	GOM_NL__2PRFIN20090604_215356_000000322079_00344_37973_0722.N1	04-JUN-2009 21:53:56	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37973	No
144	GOM_NL__2PRFIN20090604_220448_000000312079_00344_37973_0723.N1	04-JUN-2009 22:04:48	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37973	No
145	GOM_NL__2PRFIN20090604_221015_000000252079_00344_37973_0724.N1	04-JUN-2009 22:10:15	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37973	No
146	GOM_NL__2PRFIN20090604_222101_000000292079_00344_37973_0725.N1	04-JUN-2009 22:21:01	Tw_i_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37973	No
147	GOM_NL__2PRFIN20090604_222616_000000312079_00344_37973_0726.N1	04-JUN-2009 22:26:16	Dark	30.500	140	88Gam Peg	2.8340	26000.	61	37973	No
148	GOM_NL__2PRFIN20090604_224441_000000412079_00344_37973_0727.N1	04-JUN-2009 22:44:41	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	37973	No
149	GOM_NL__2PRFIN20090604_224932_000000342079_00345_37974_0734.N1	04-JUN-2009 22:49:32	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37974	No
150	GOM_NL__2PRFIN20090604_230425_000000332079_00345_37974_0735.N1	04-JUN-2009 23:04:25	Tw_i_and_stray	32.500	38	20Eps Sgr	1.8360	11000.	65	37974	No
151	GOM_NL__2PRFIN20090604_230604_000000332079_00345_37974_0736.N1	04-JUN-2009 23:06:04	Tw_i_and_stray	33.000	116	19Del Sgr	2.7000	4100.0	66	37974	No
152	GOM_NL__2PRFIN20090604_231206_000000302079_00345_37974_0737.N1	04-JUN-2009 23:12:06	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37974	No
153	GOM_NL__2PRFIN20090604_232353_000000302079_00345_37974_0738.N1	04-JUN-2009 23:23:53	Bright	29.500	127	27Bet Her	2.7810	4700.0	59	37974	No
154	GOM_NL__2PRFIN20090604_232712_000000312079_00345_37974_0739.N1	04-JUN-2009 23:27:12	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37974	No
155	GOM_NL__2PRFIN20090604_233431_000000322079_00345_37974_0740.N1	04-JUN-2009 23:34:31	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37974	No
156	GOM_NL__2PRFIN20090604_234523_000000312079_00345_37974_0741.N1	04-JUN-2009 23:45:23	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37974	No
157	GOM_NL__2PRFIN20090604_235050_000000252079_00345_37974_0742.N1	04-JUN-2009 23:50:50	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37974	No



### 3. Quality information per product

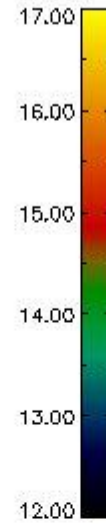
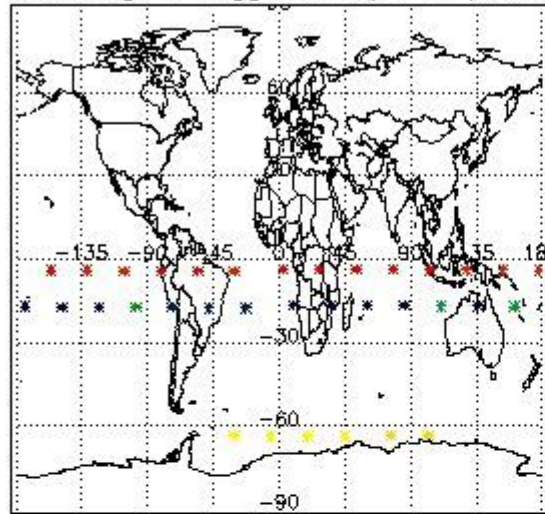
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

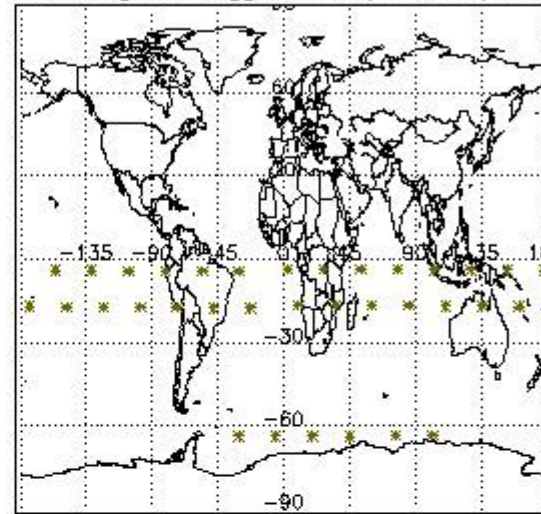


#### 3.2 Plot quality information per product (world map)

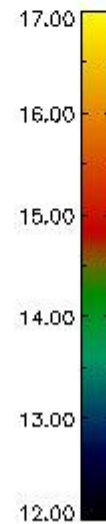
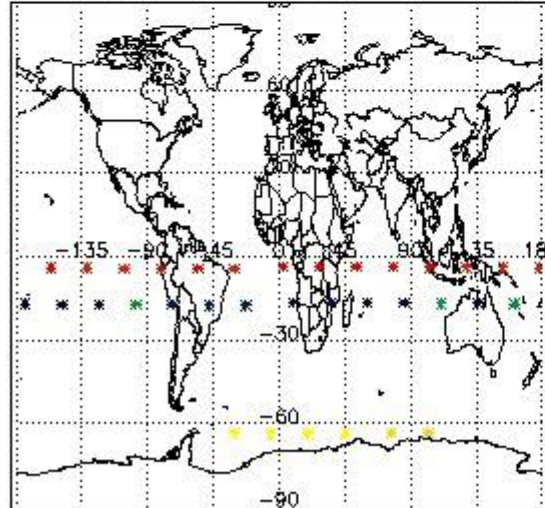
Percentage of flagged data per O3 profile



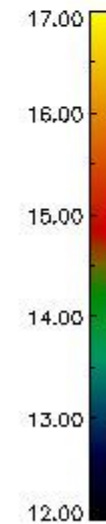
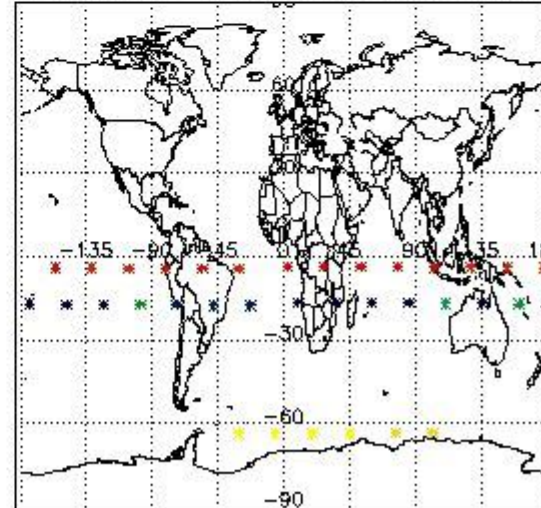
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

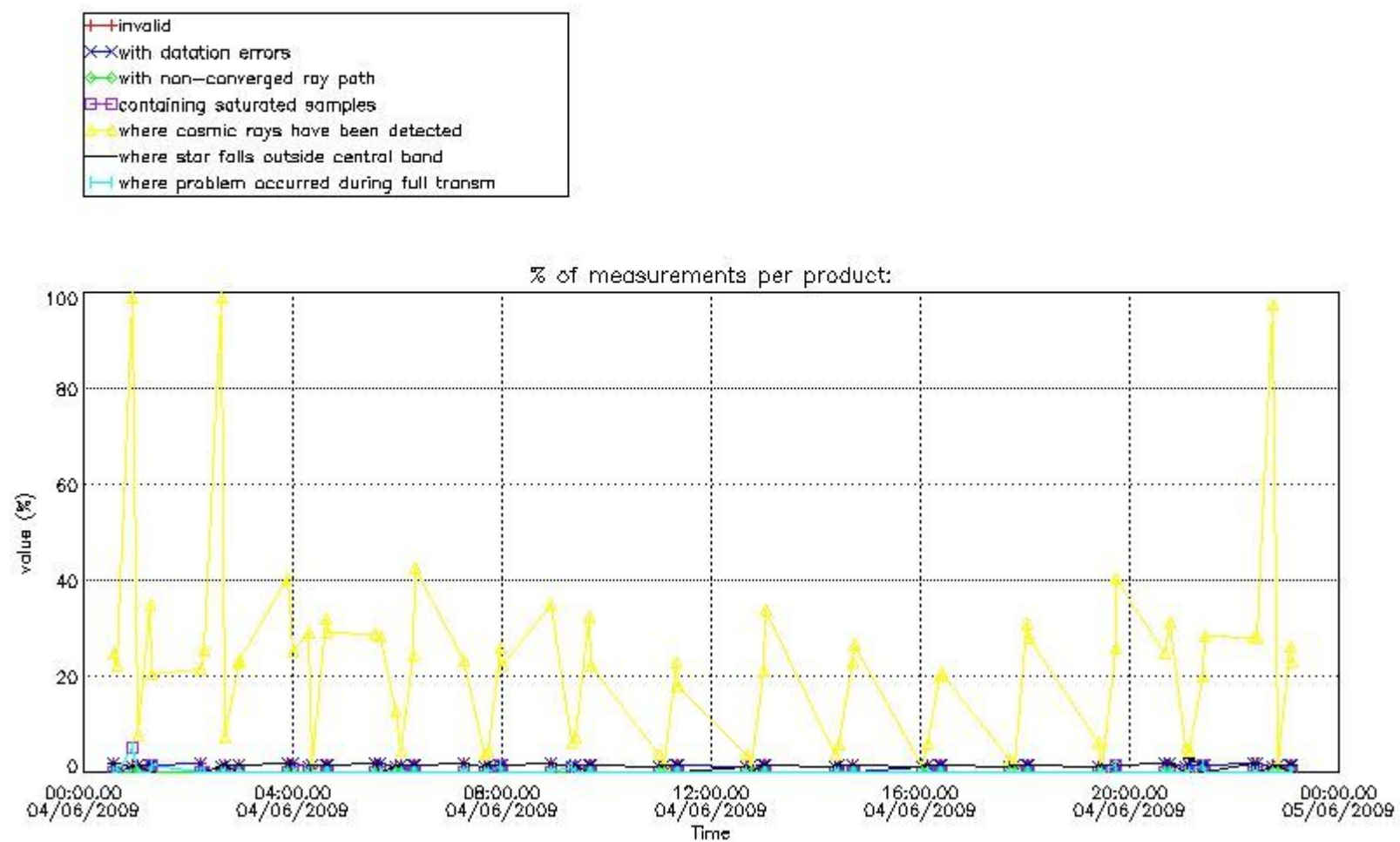


#### 4. Level 1 quality information per product

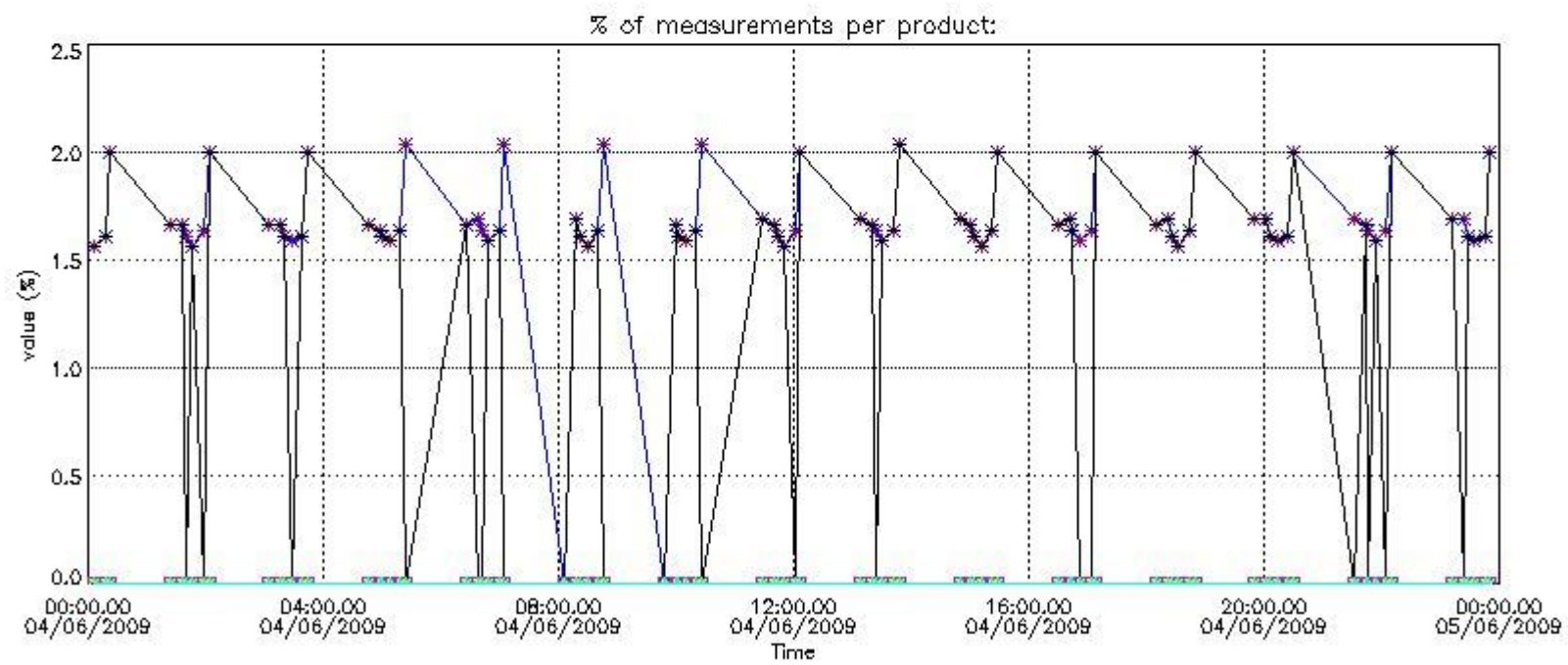
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

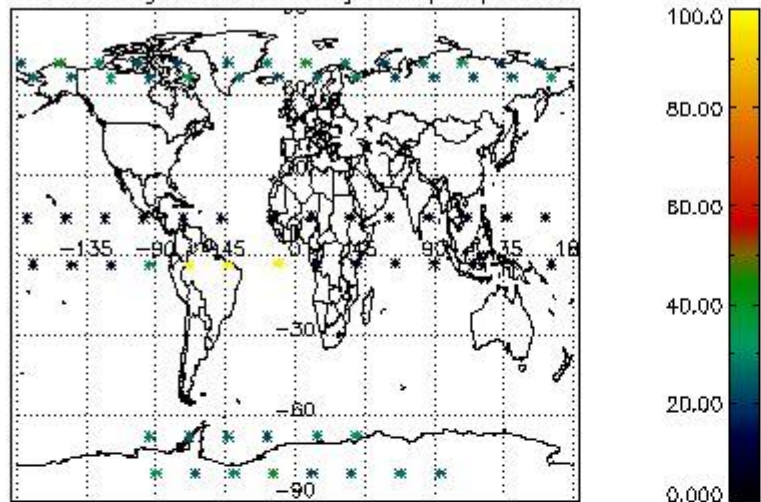


*4.2 Plot quality information per product coming from level 1b processing (world map)*

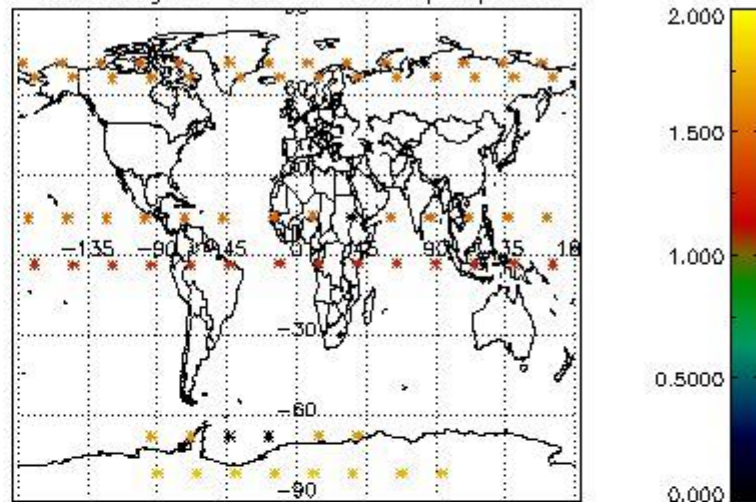
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



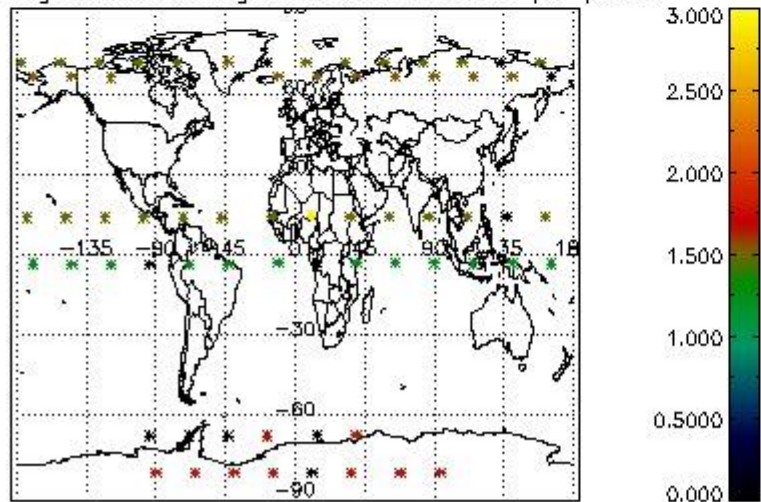
Percentage of cosmic ray hits per profile



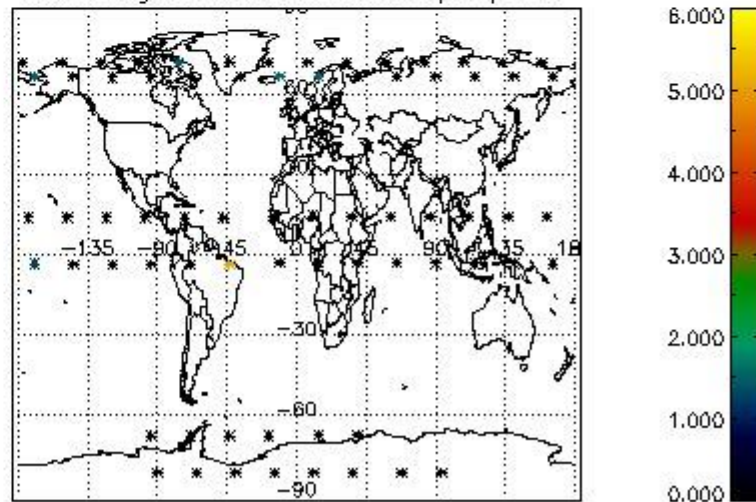
Percentage of datation errors per profile



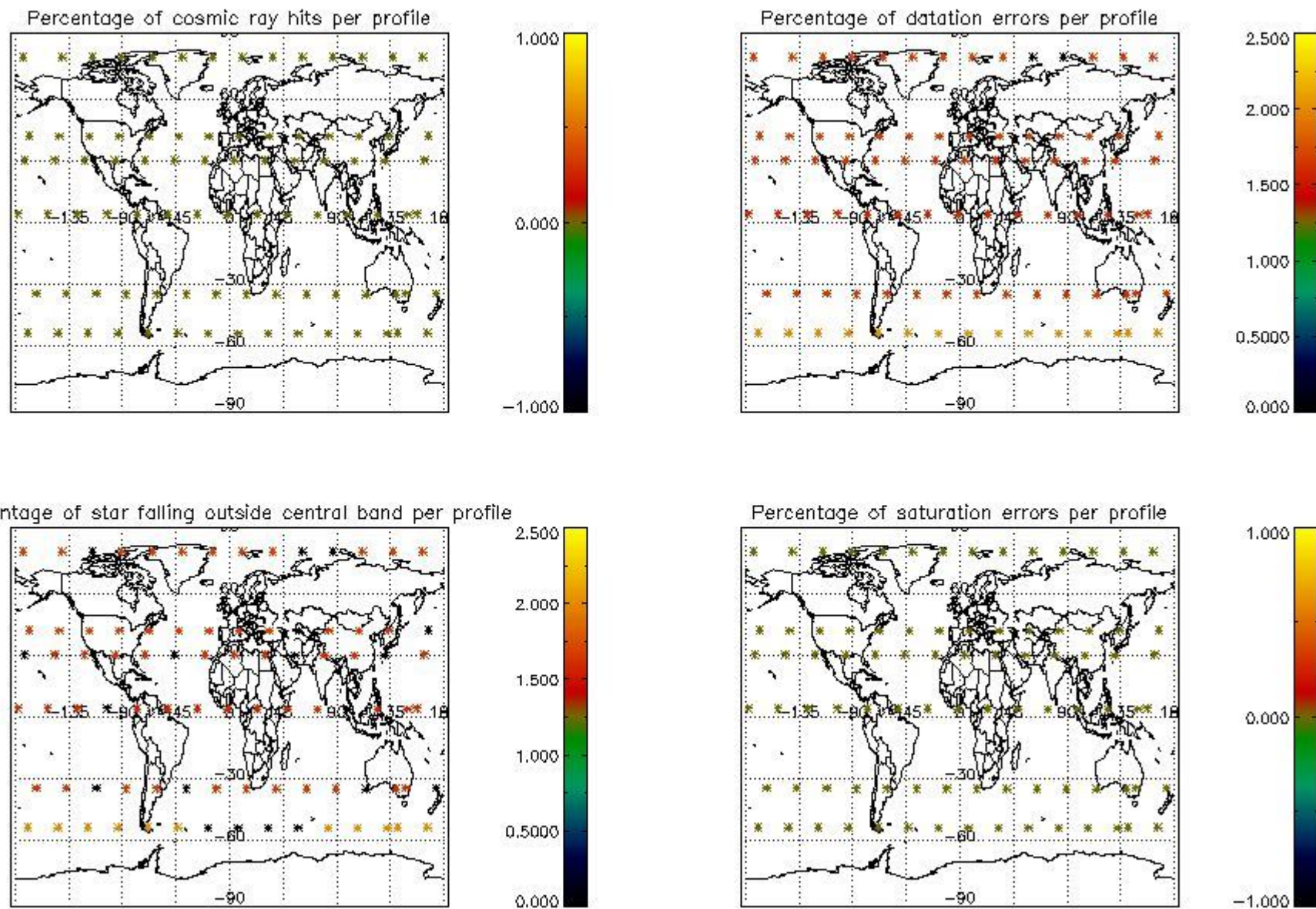
Percentage of star falling outside central band per profile



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.

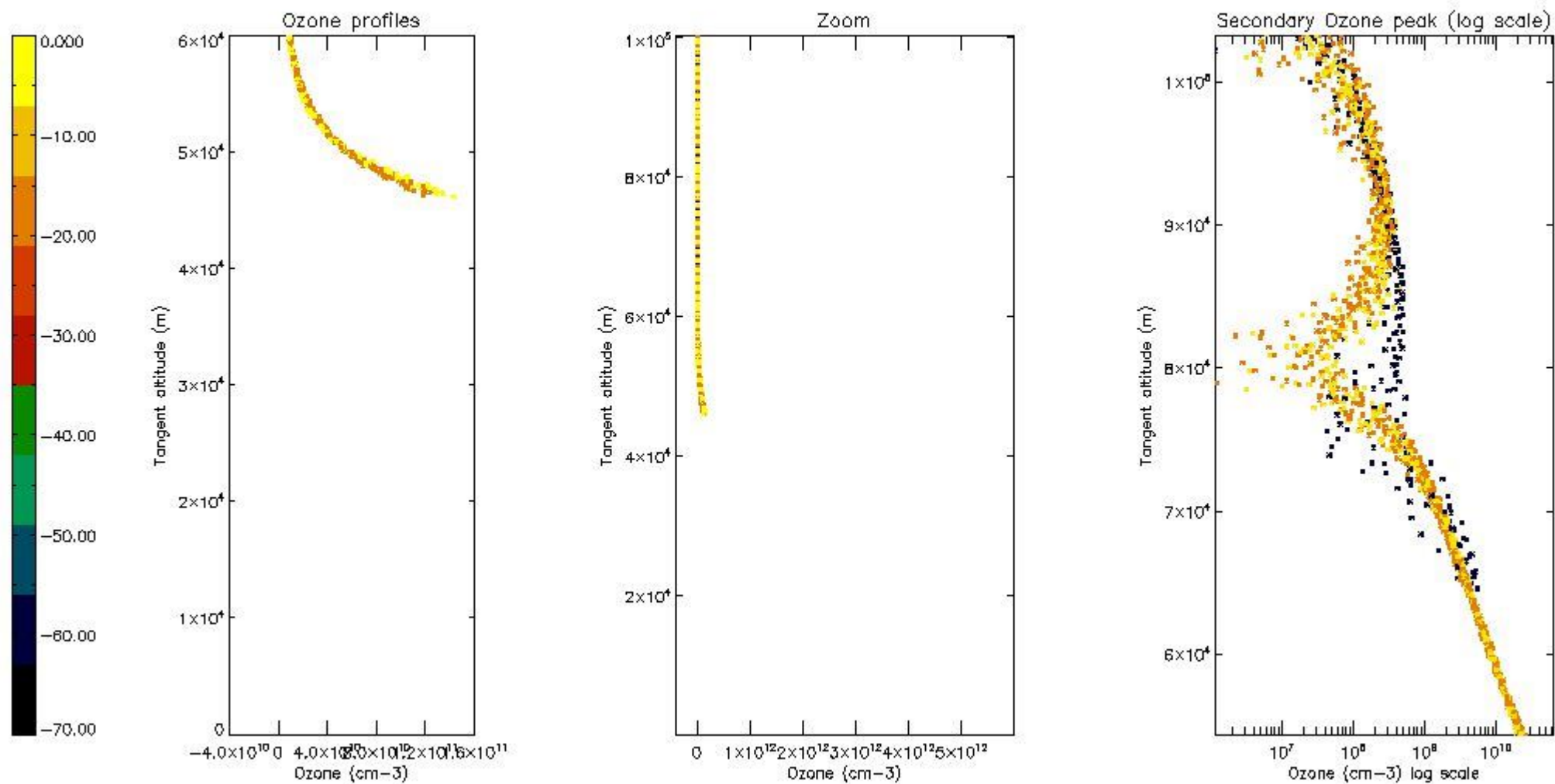
Criteria	% of total production
All STD	25
STD < 20	12



STD < 10	9
STD < 5	8

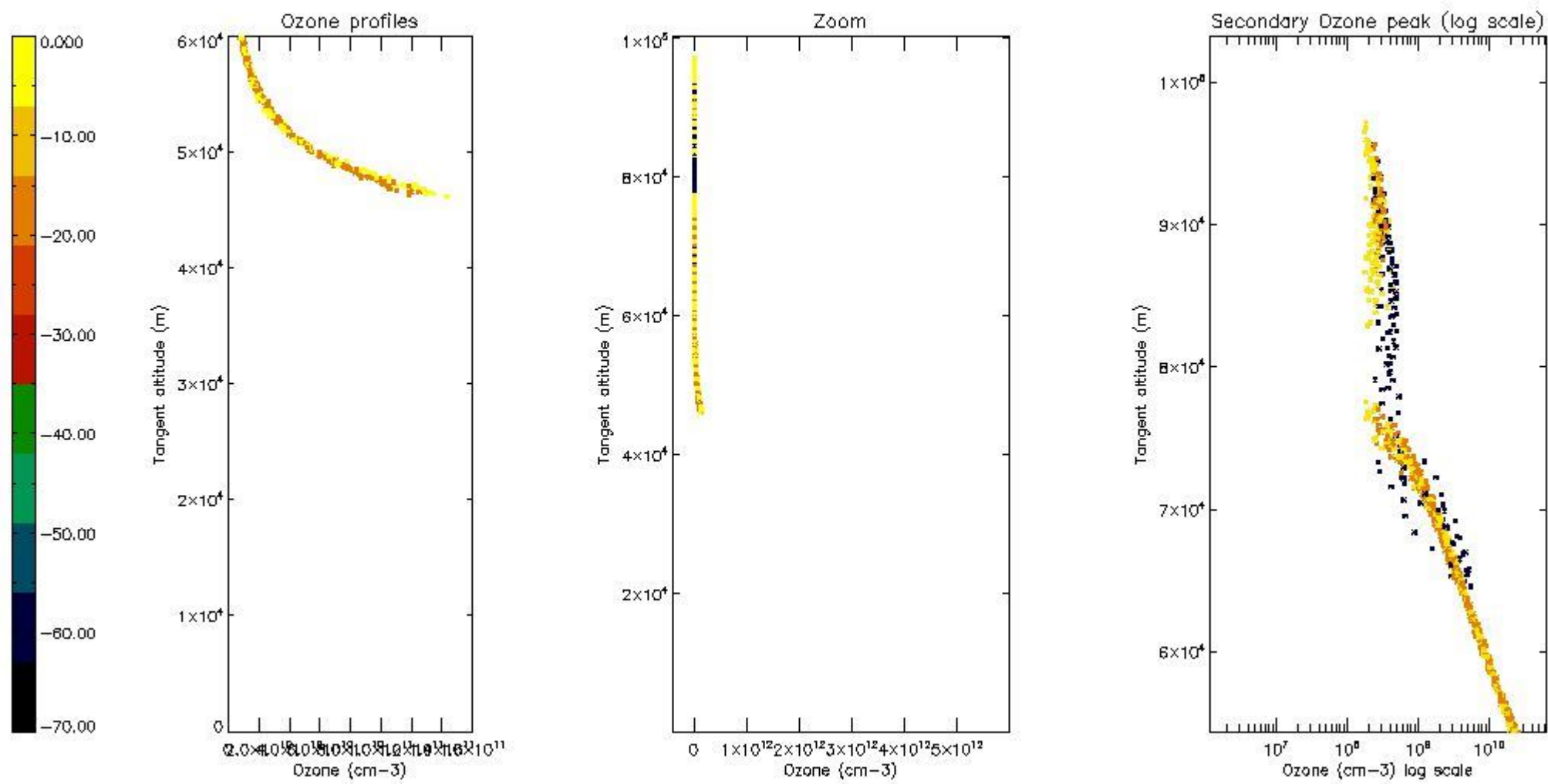
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

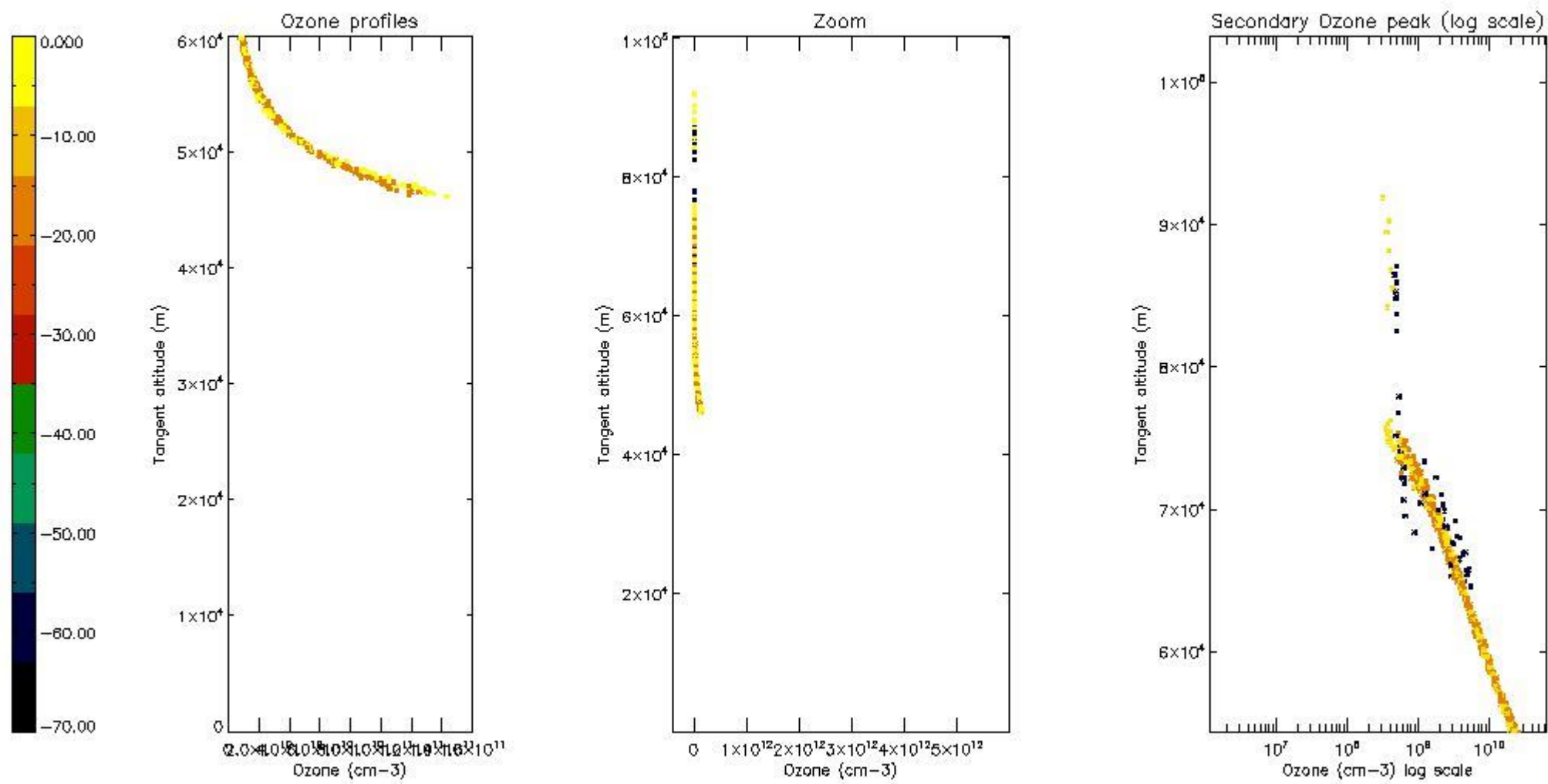
The colorbar represents the latitude.



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

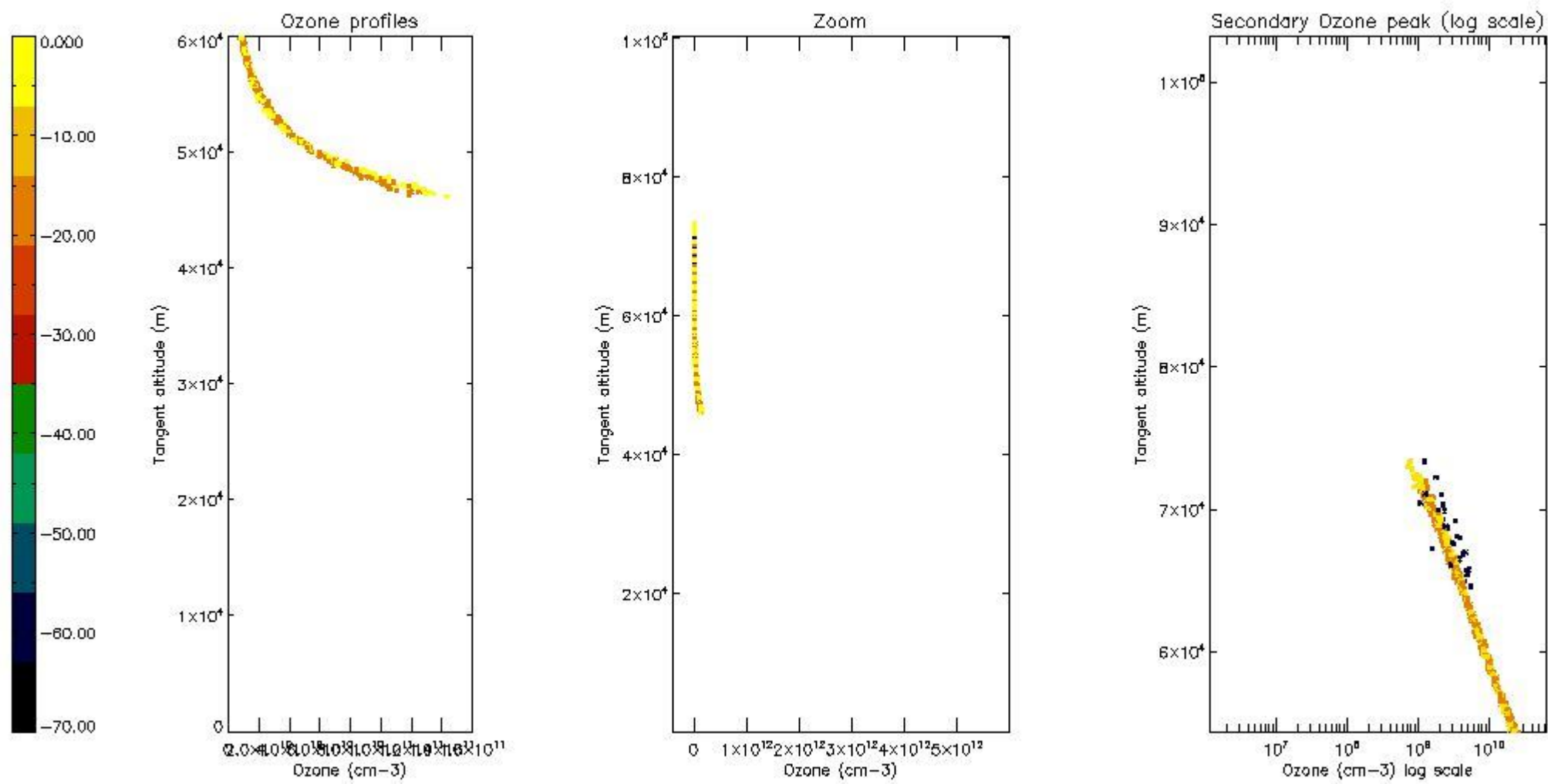
The colorbar represents the latitude.





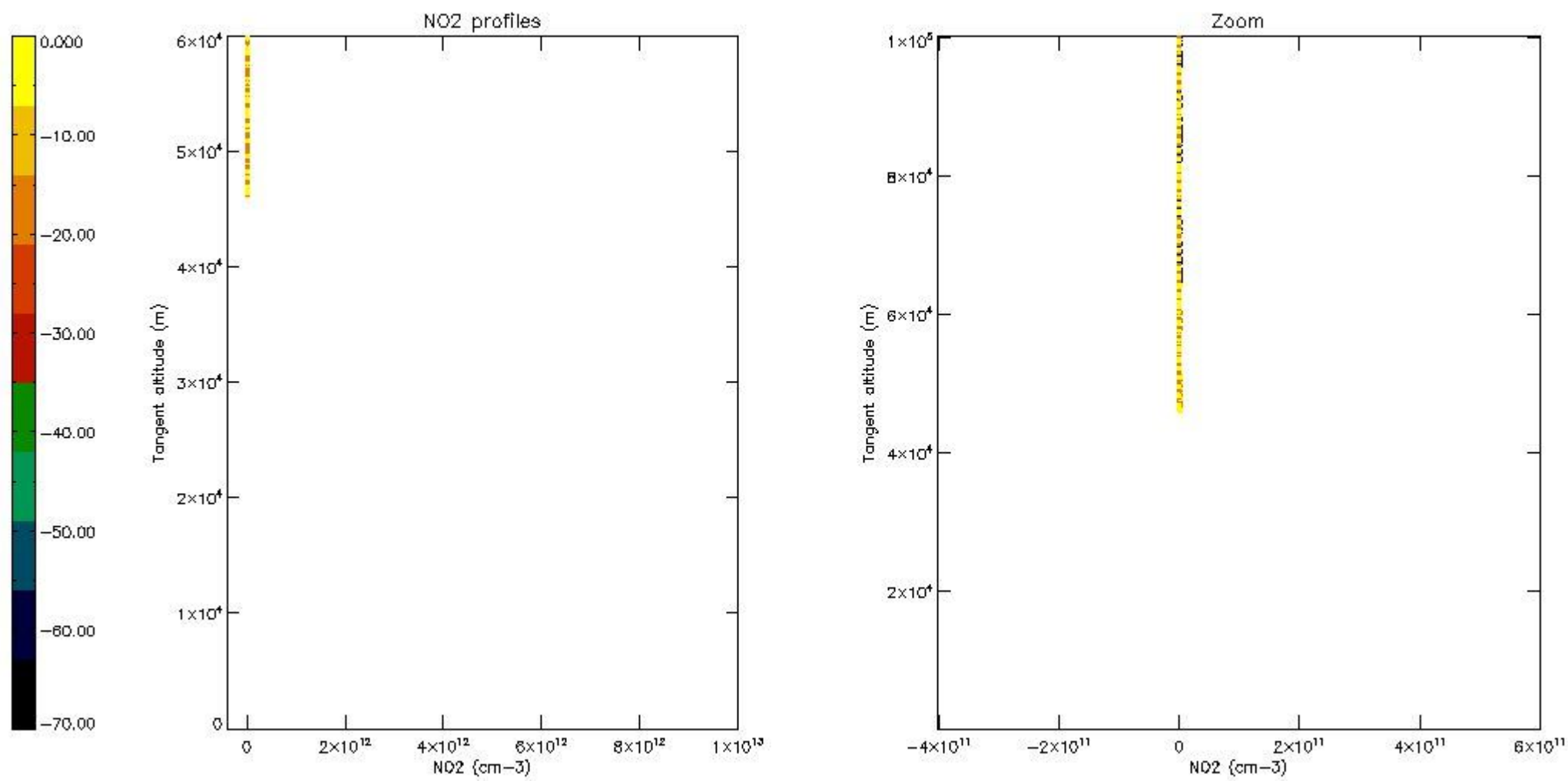
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



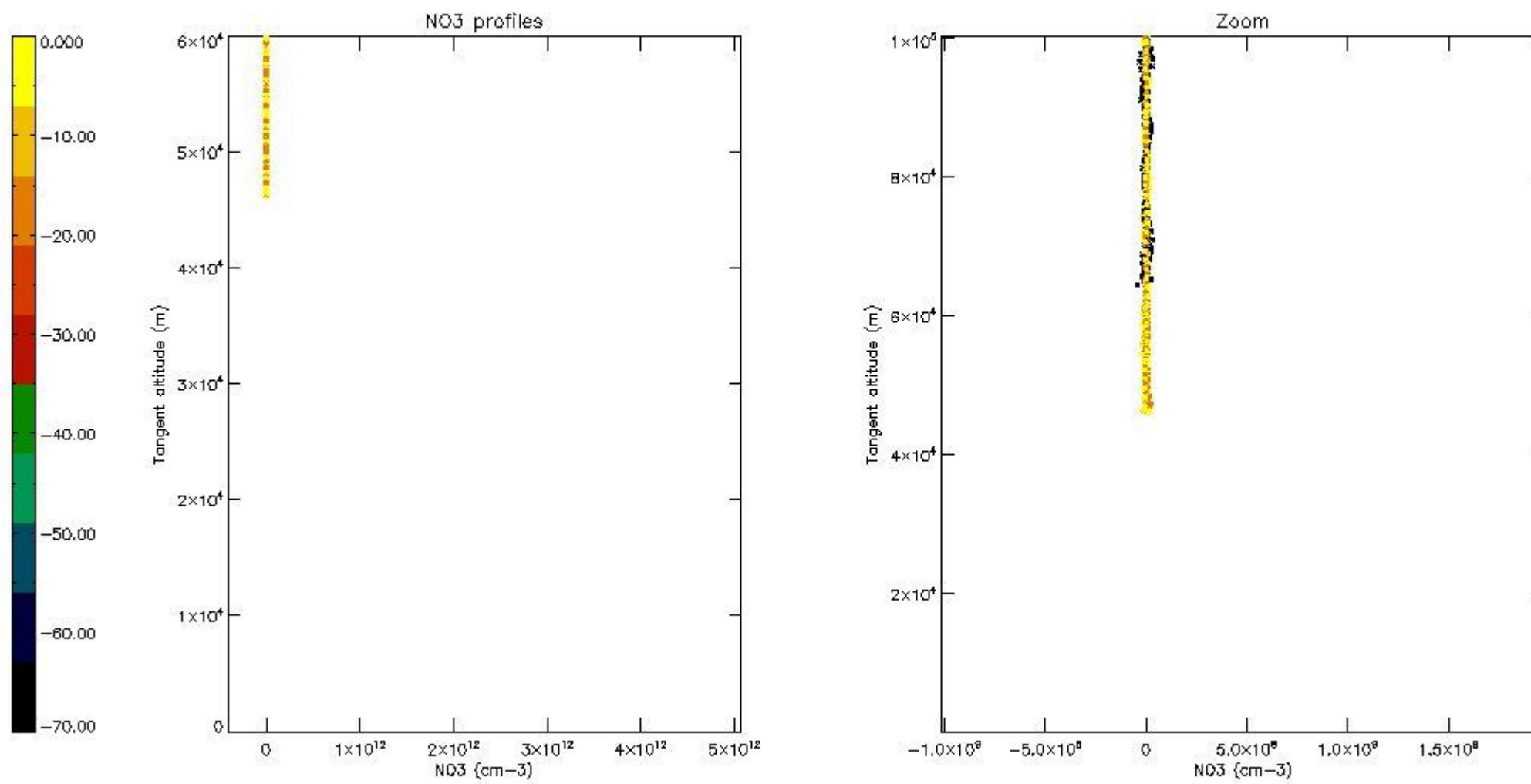
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

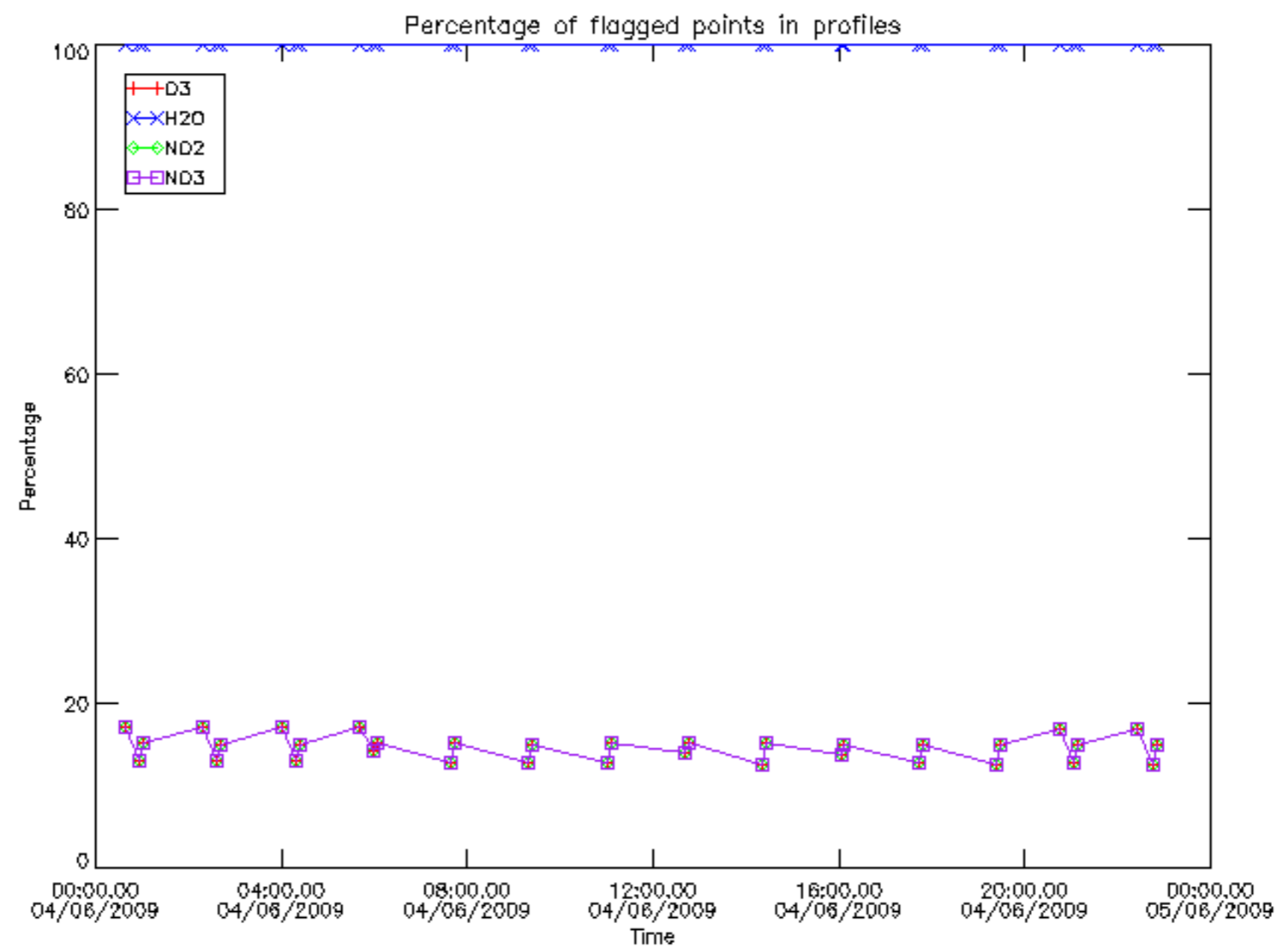


## 6. Auxiliary Data Files used for the production reported in section 2

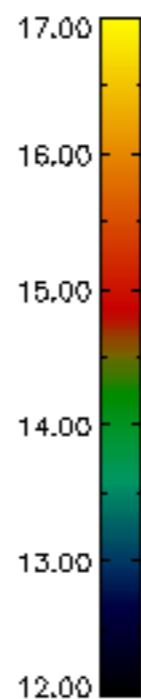
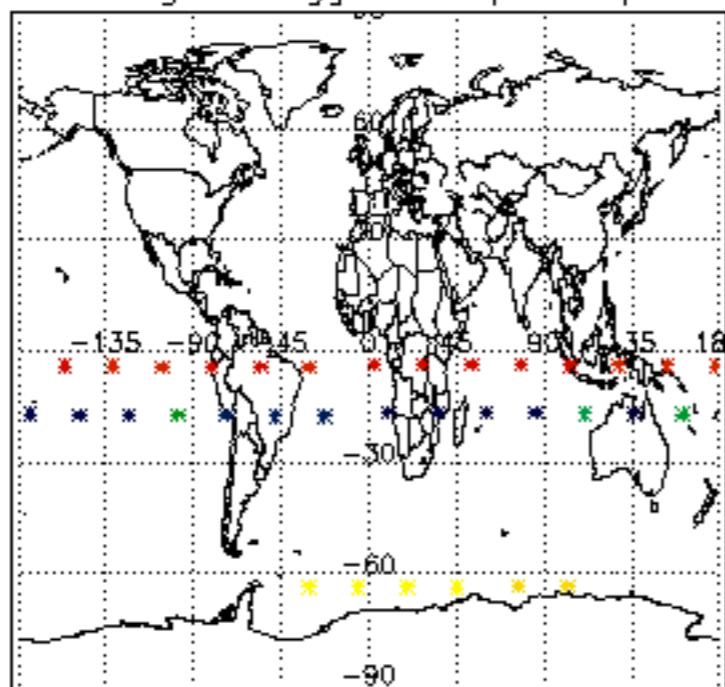
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-JUN-2009 00:06:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	04-JUN-2009 00:06:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	04-JUN-2009 00:06:16

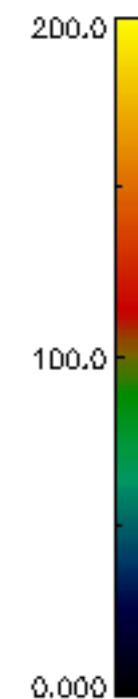
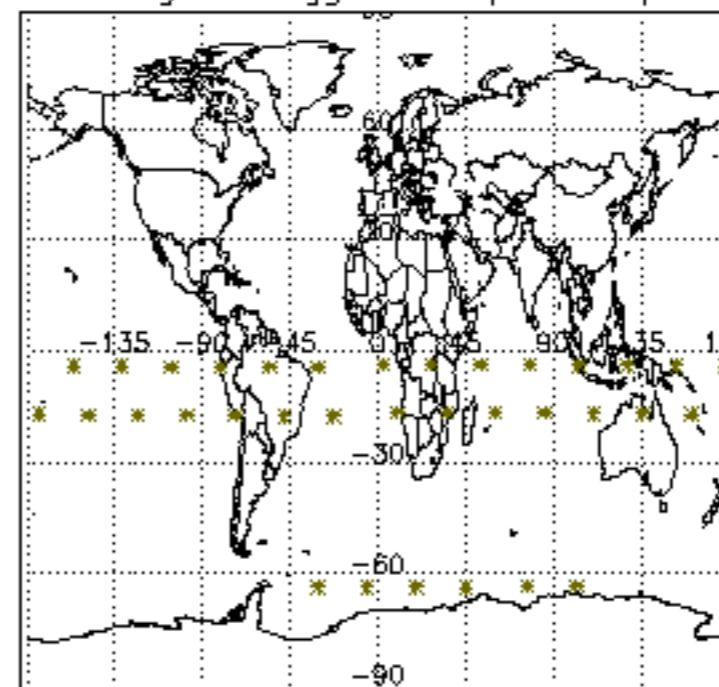




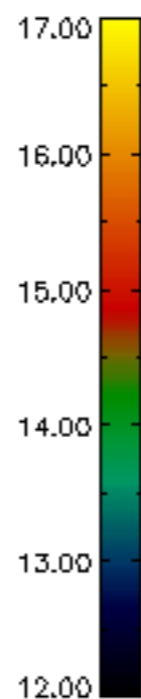
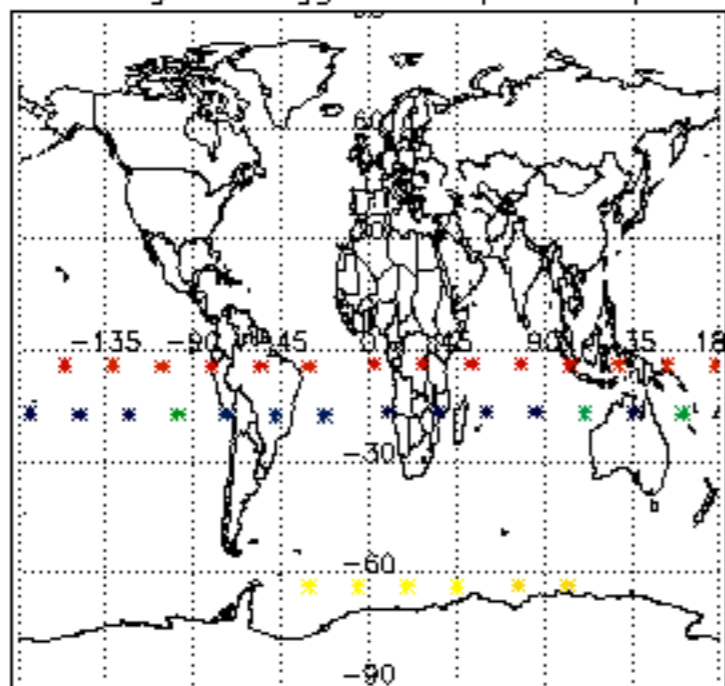
Percentage of flagged data per D3 profile



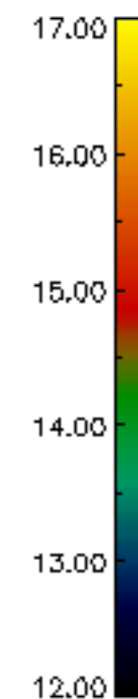
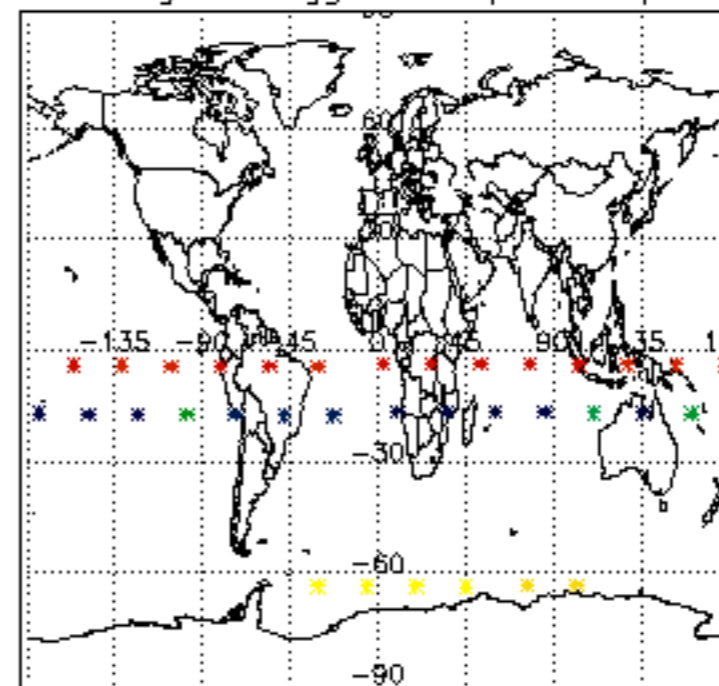
Percentage of flagged data per H2O profile

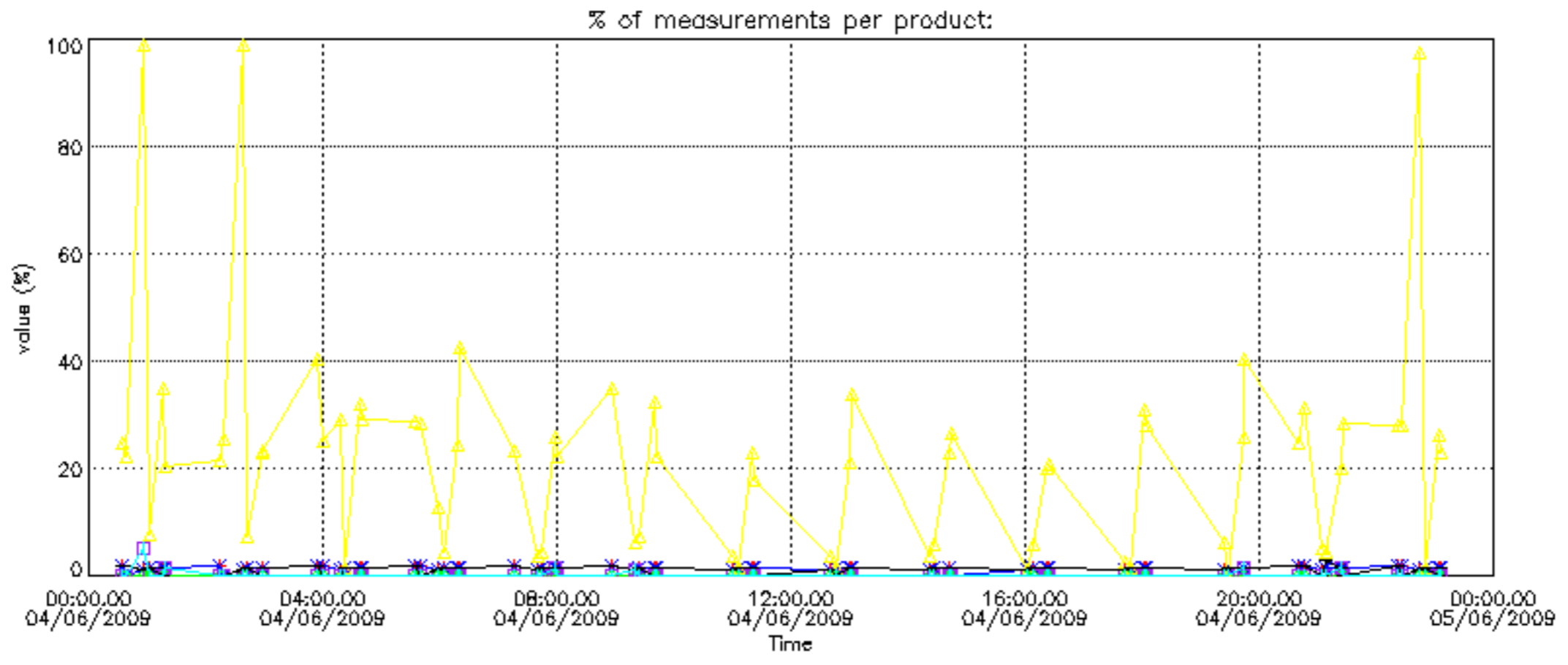


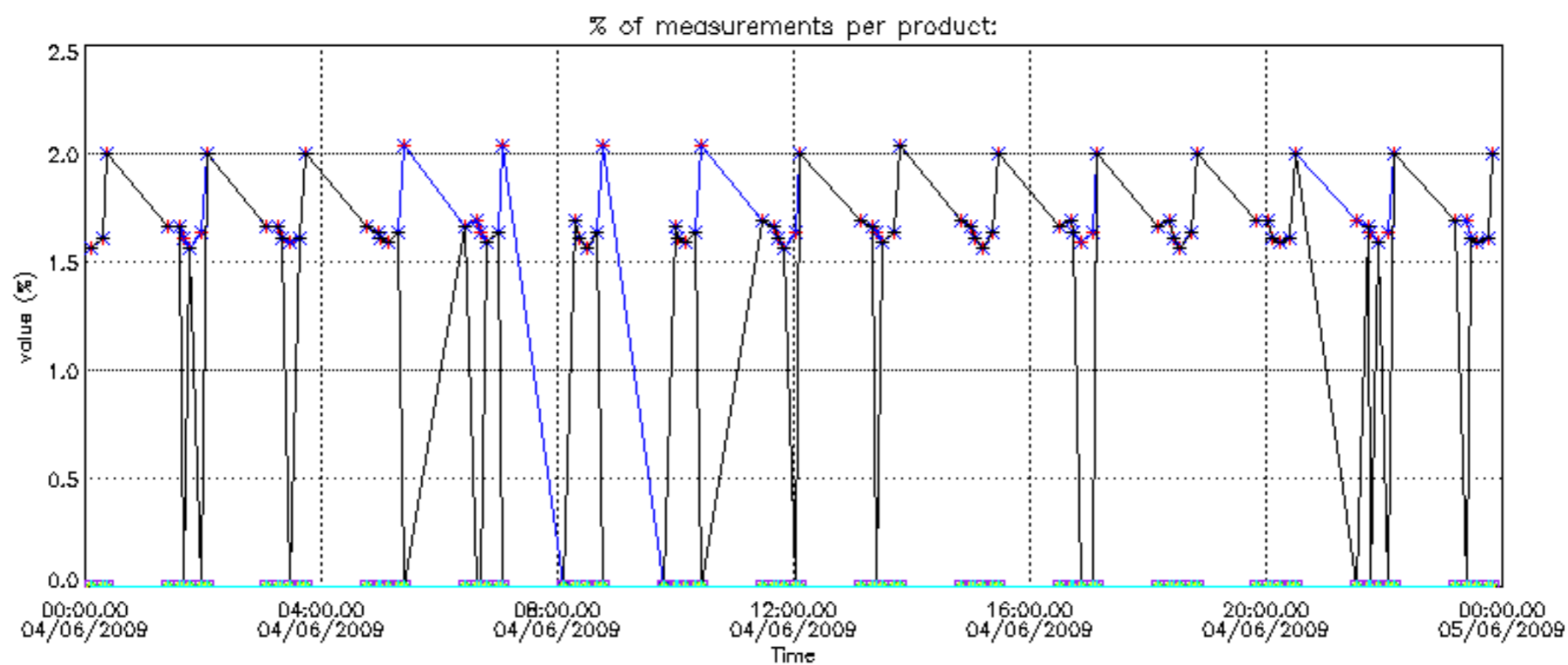
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

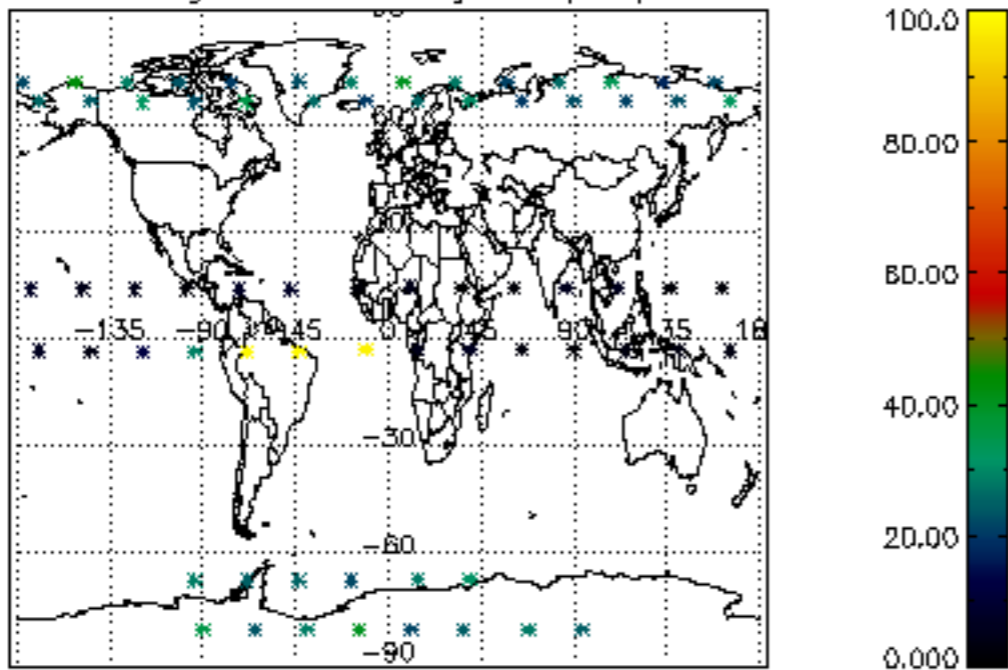




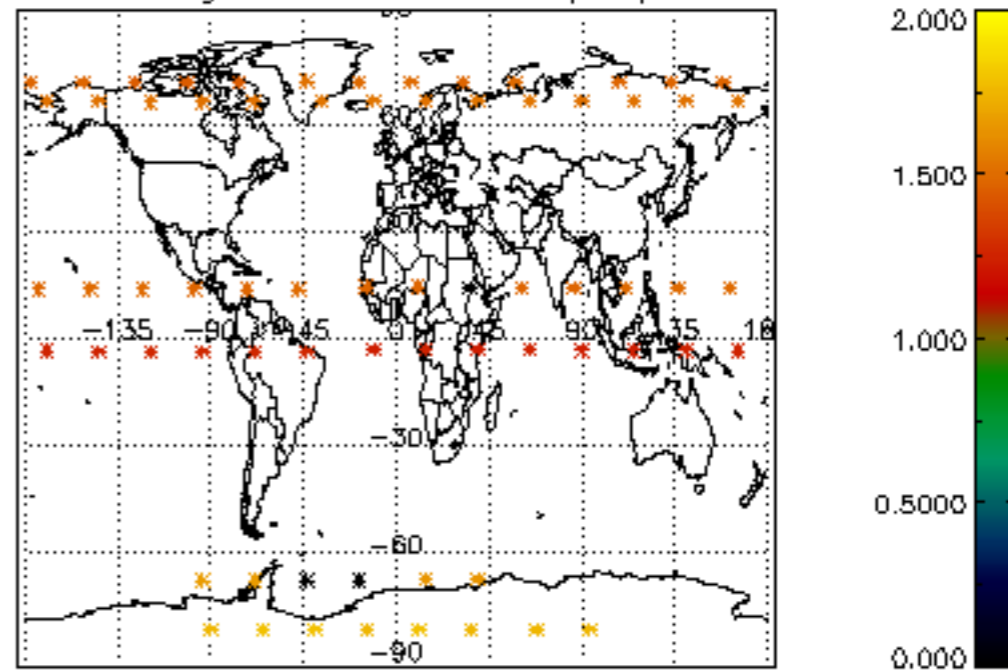




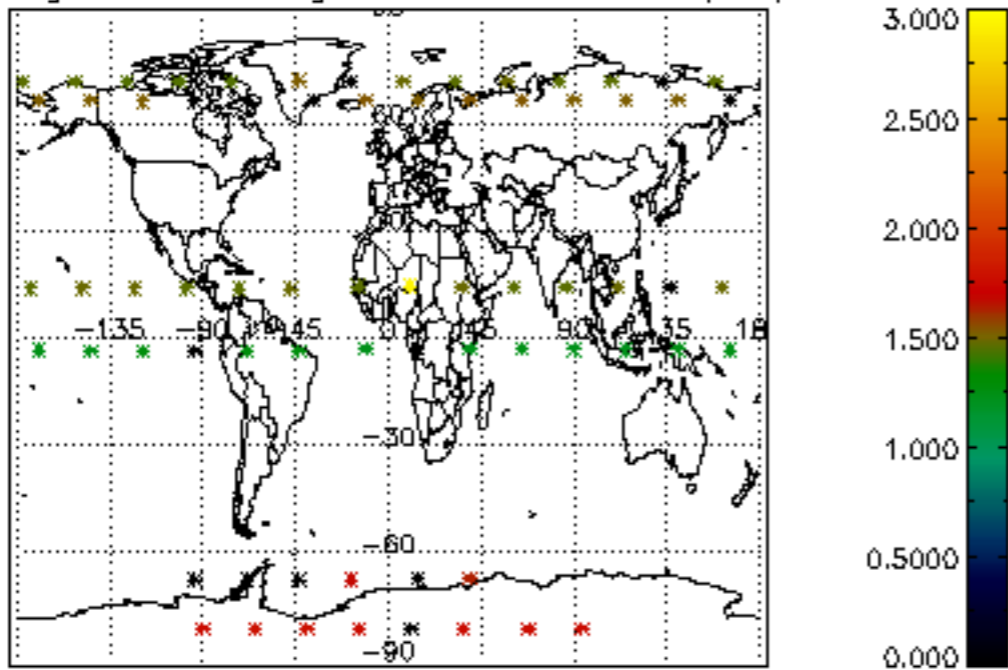
Percentage of cosmic ray hits per profile



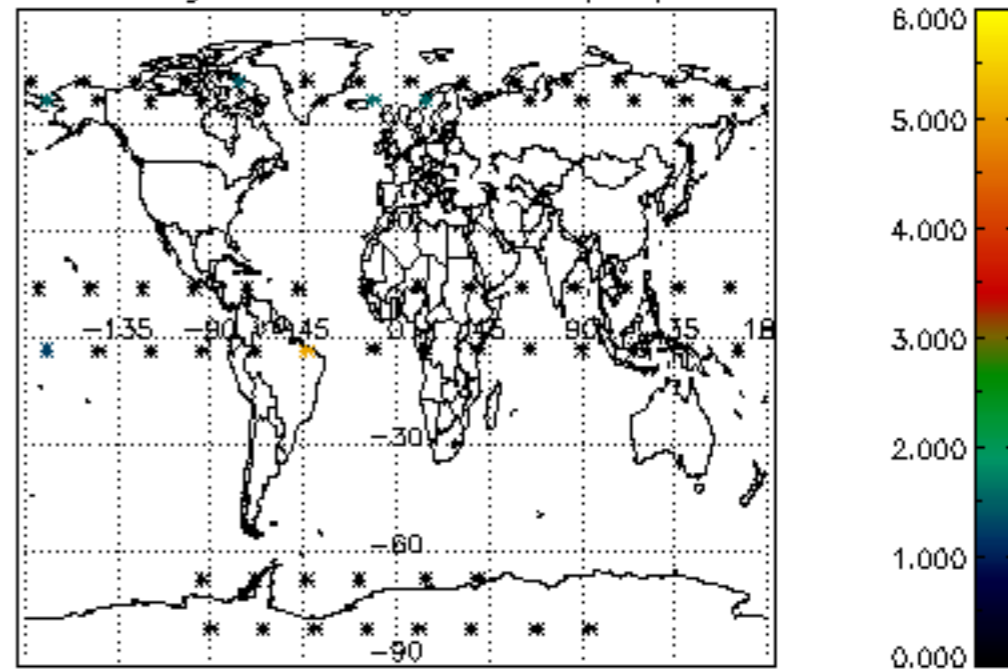
Percentage of datation errors per profile



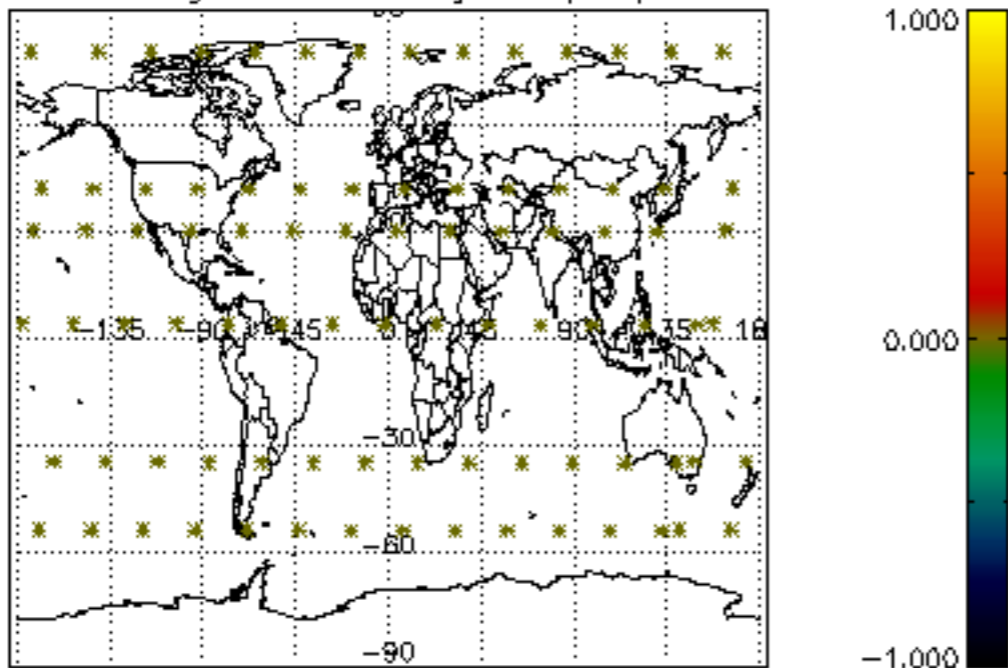
Percentage of star falling outside central band per profile



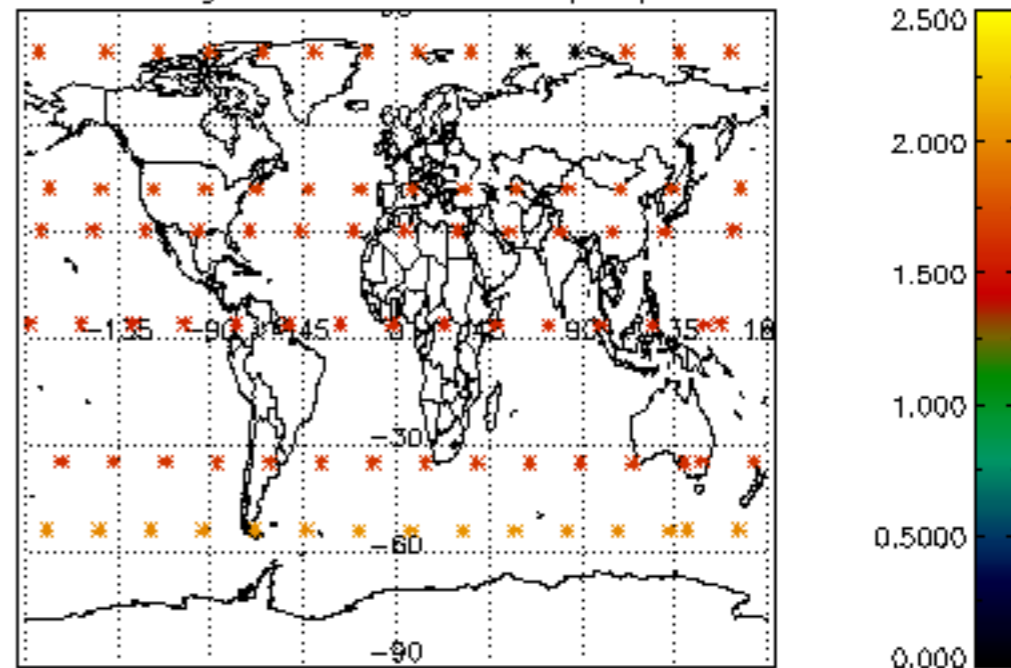
Percentage of saturation errors per profile



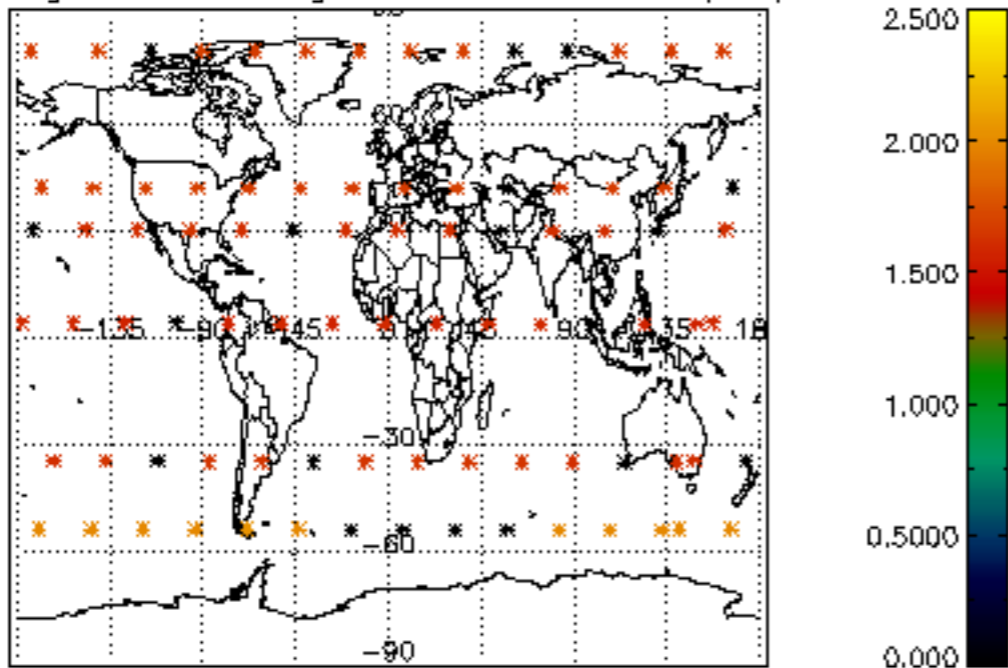
Percentage of cosmic ray hits per profile



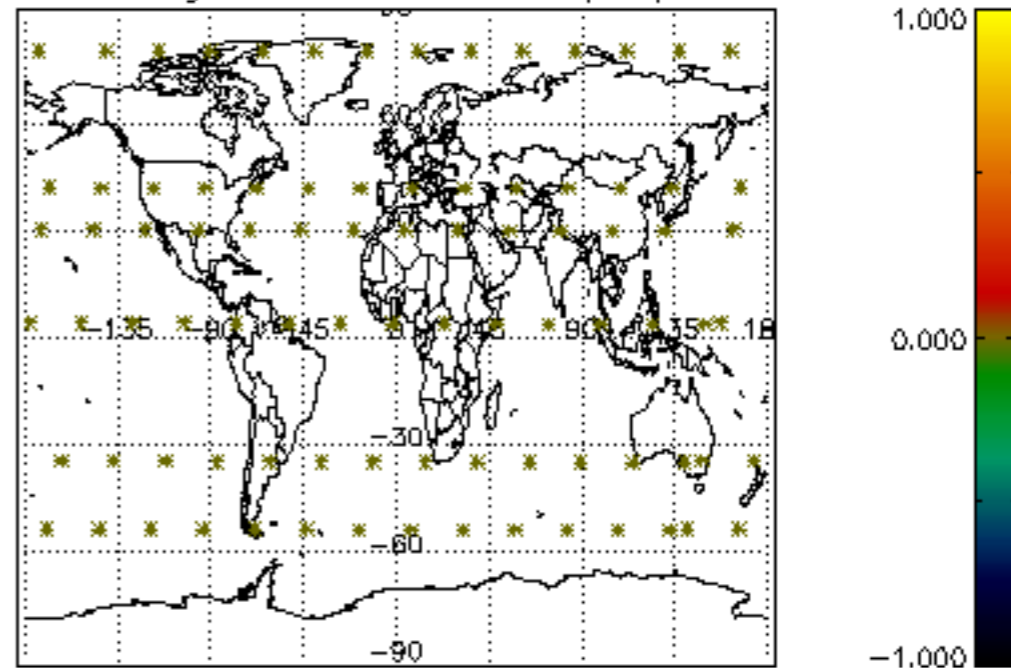
Percentage of datation errors per profile

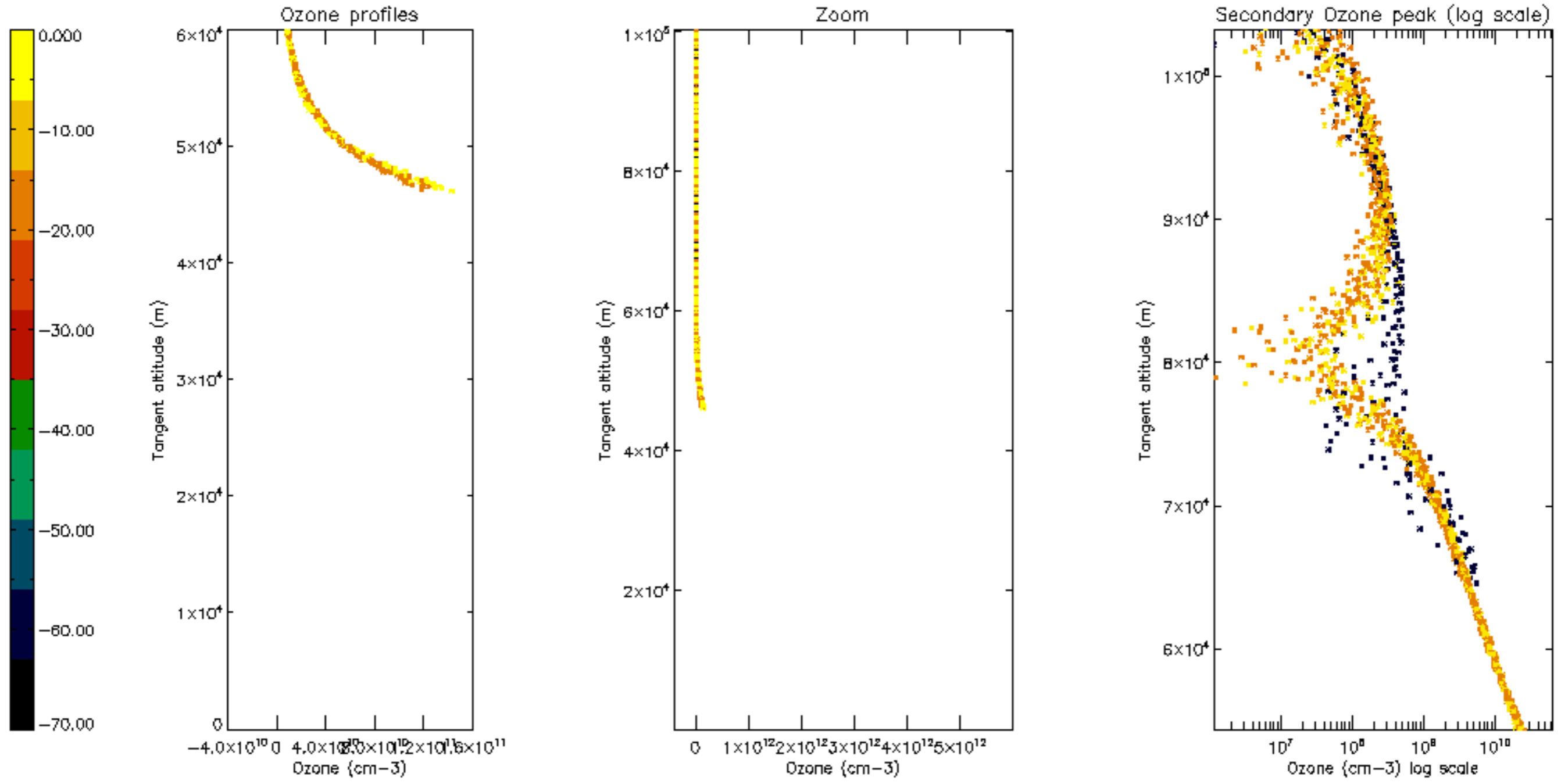


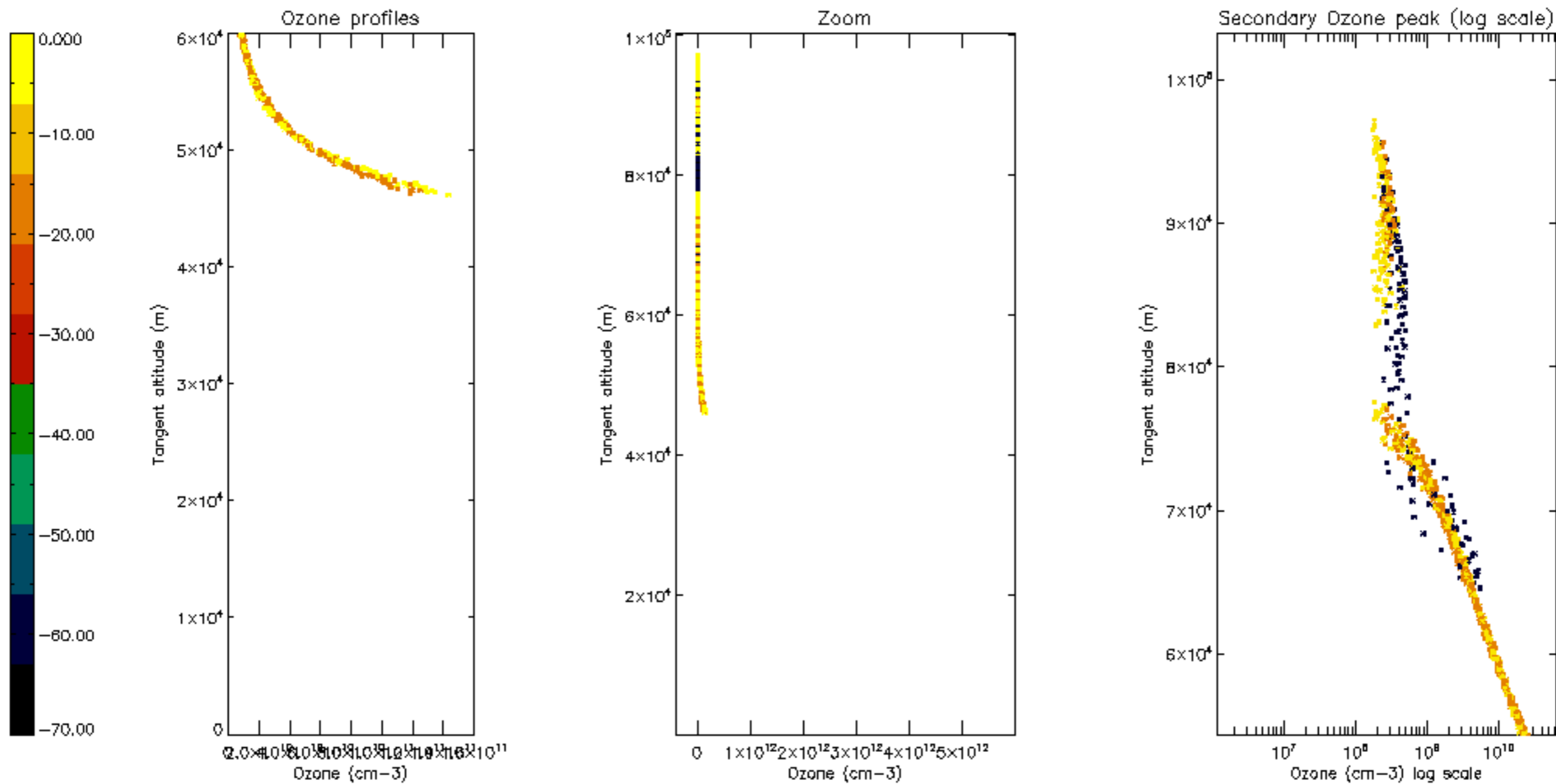
Percentage of star falling outside central band per profile



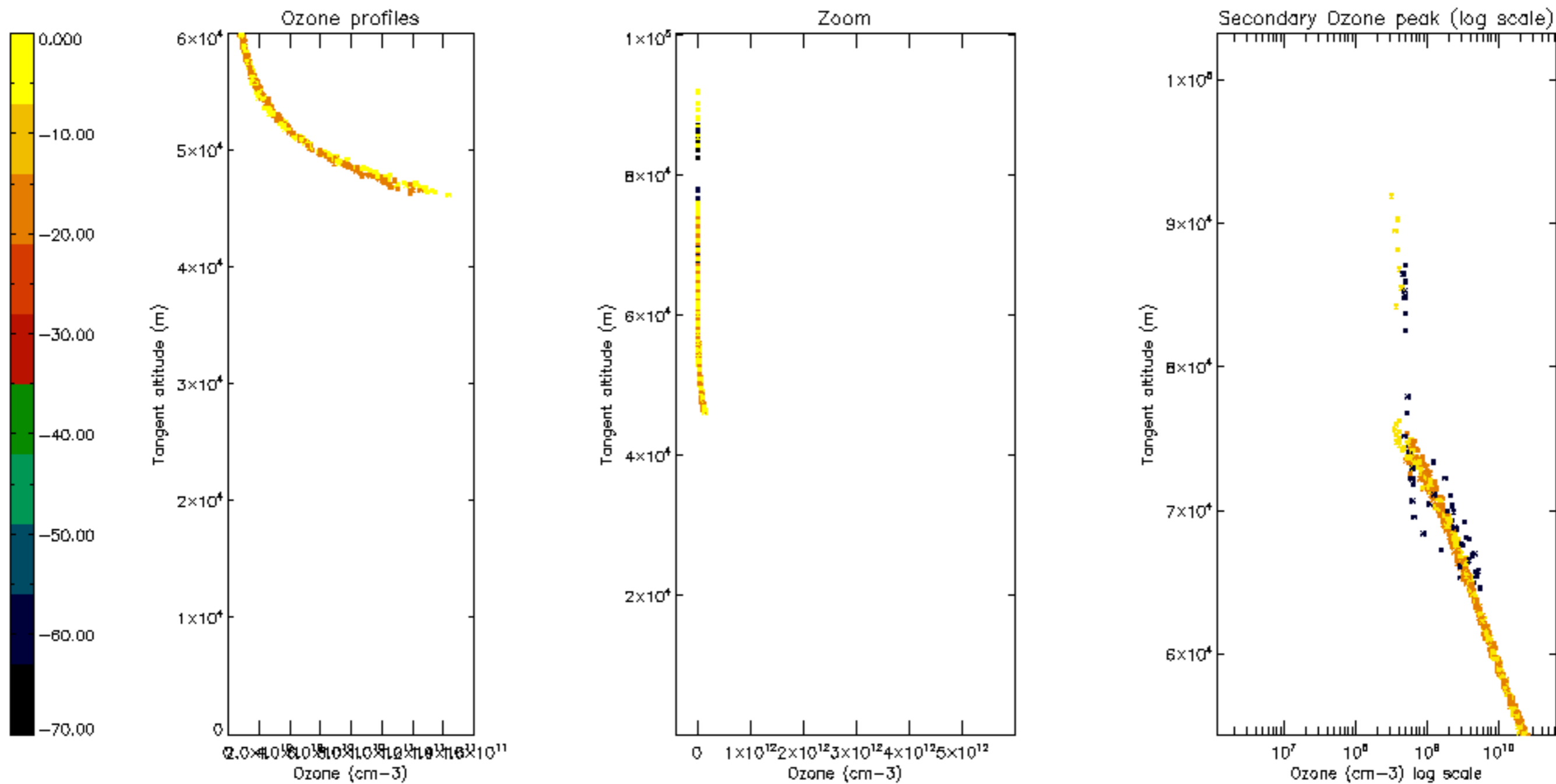
Percentage of saturation errors per profile

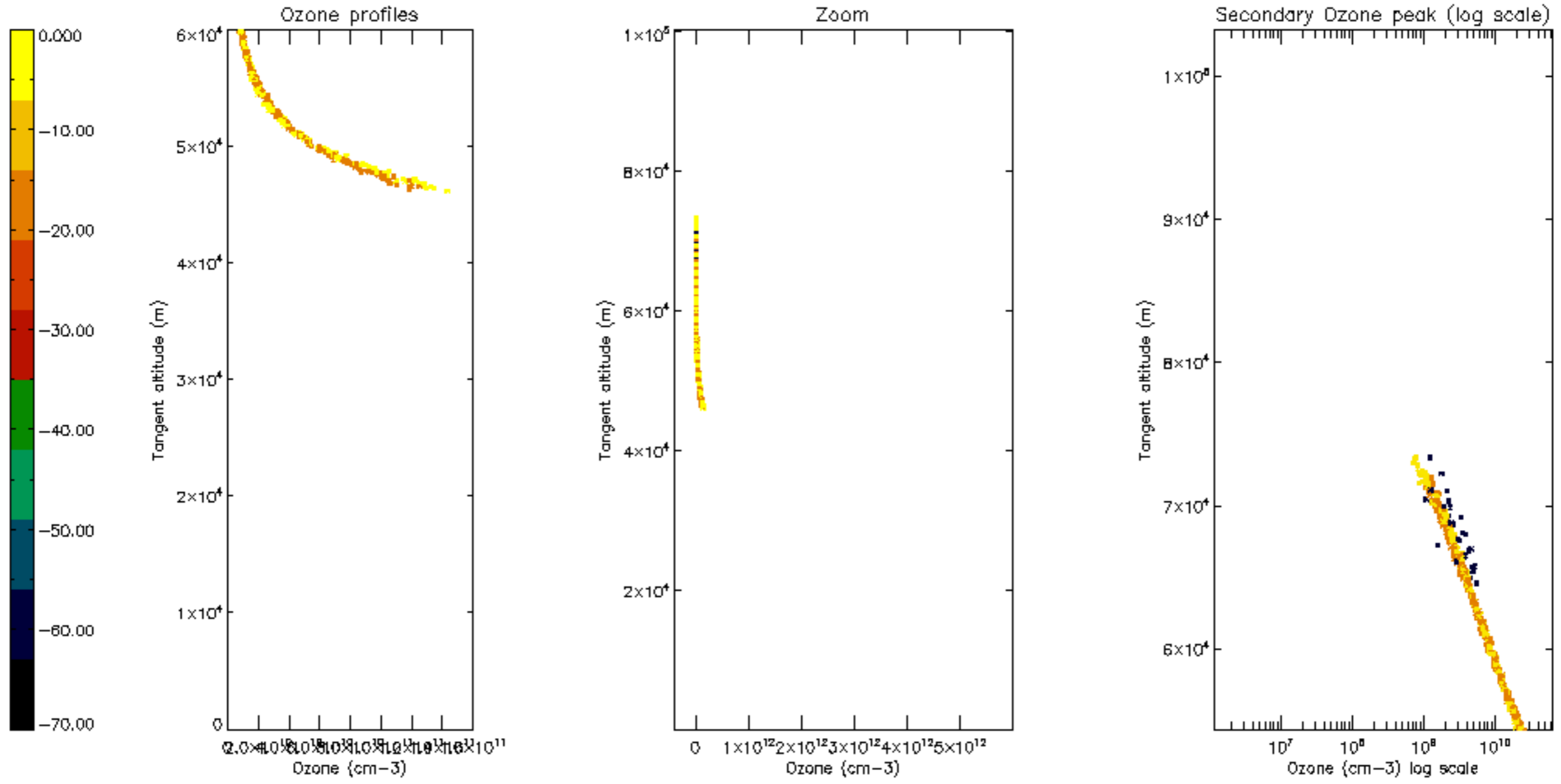


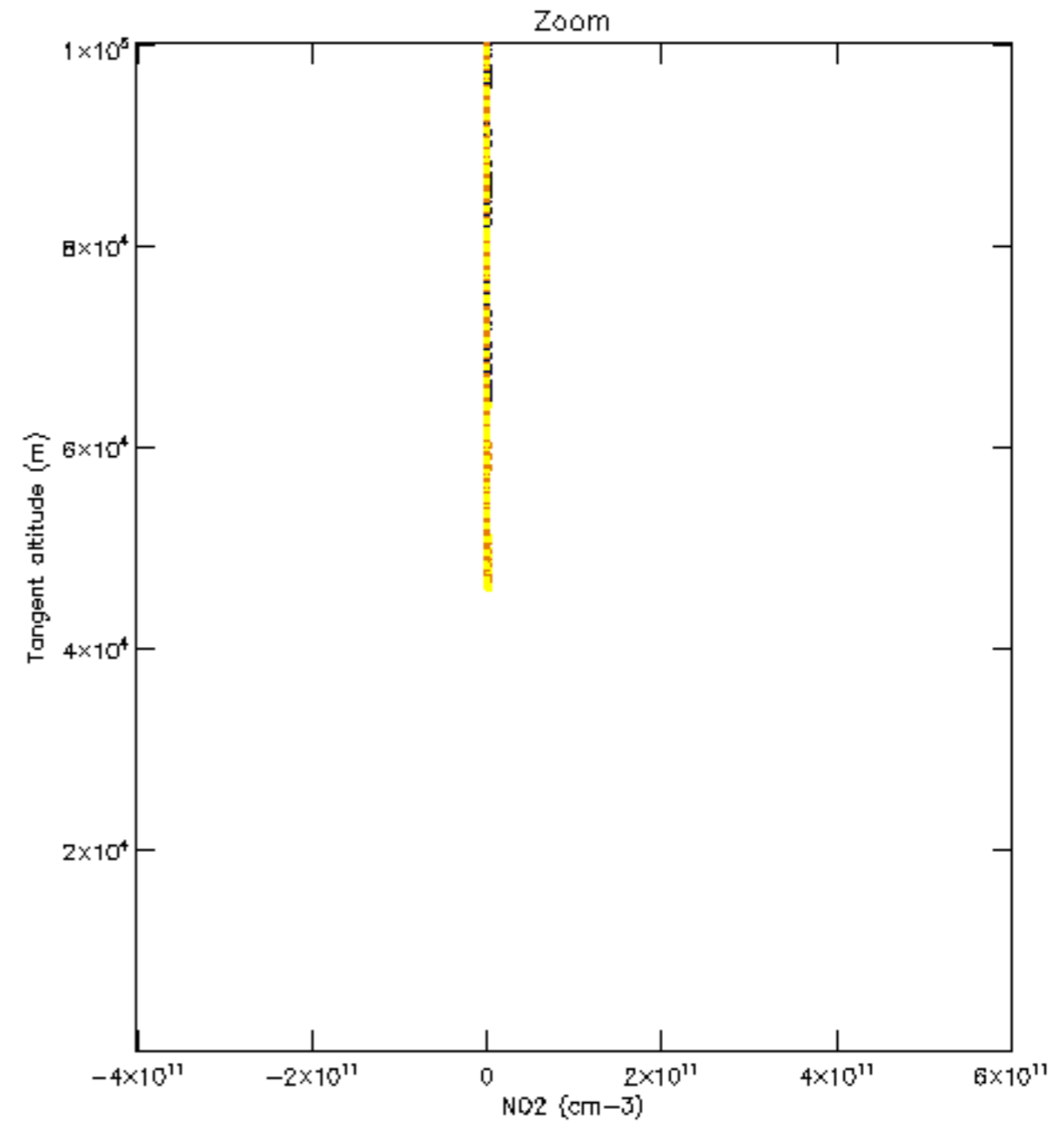
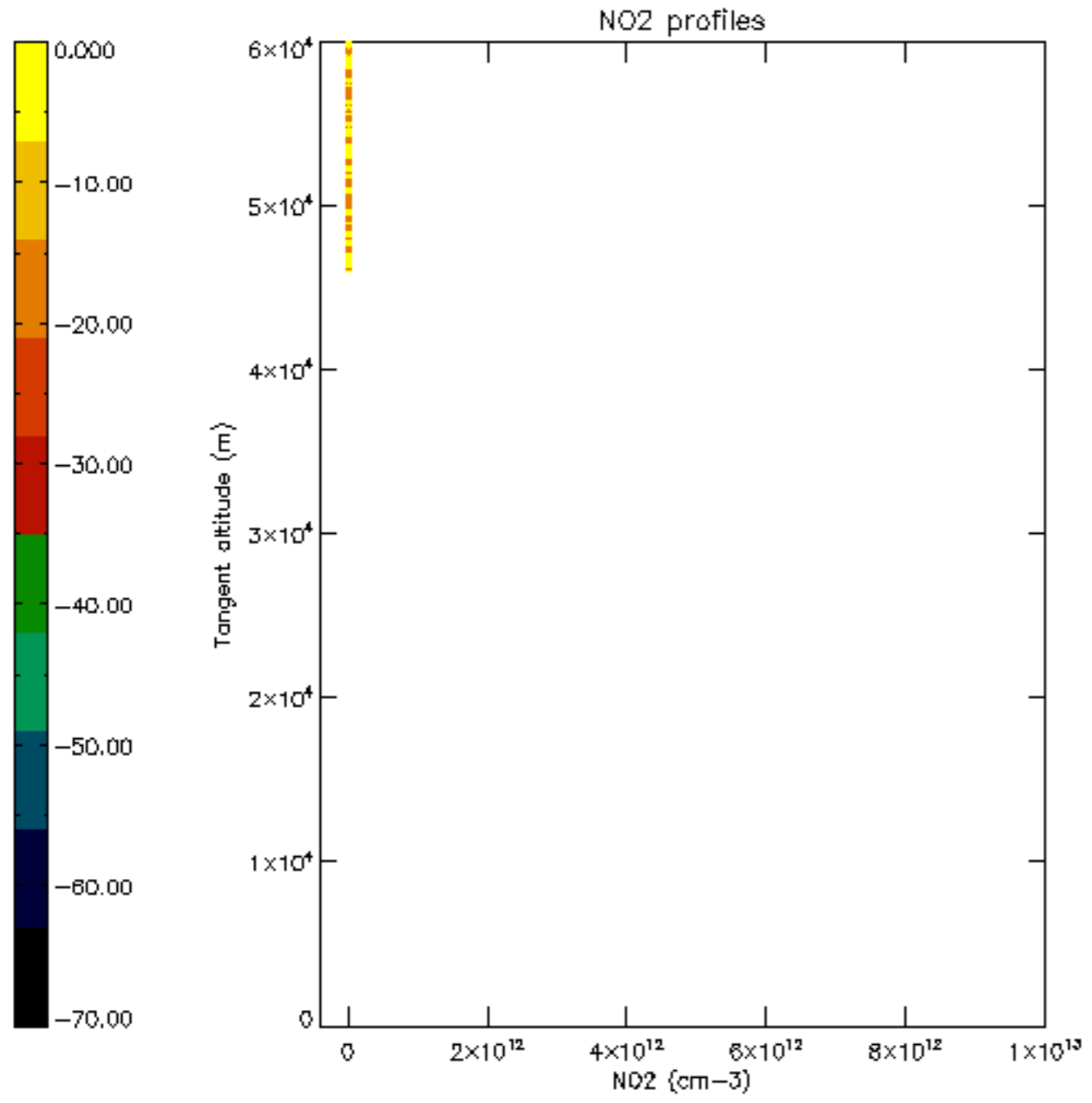


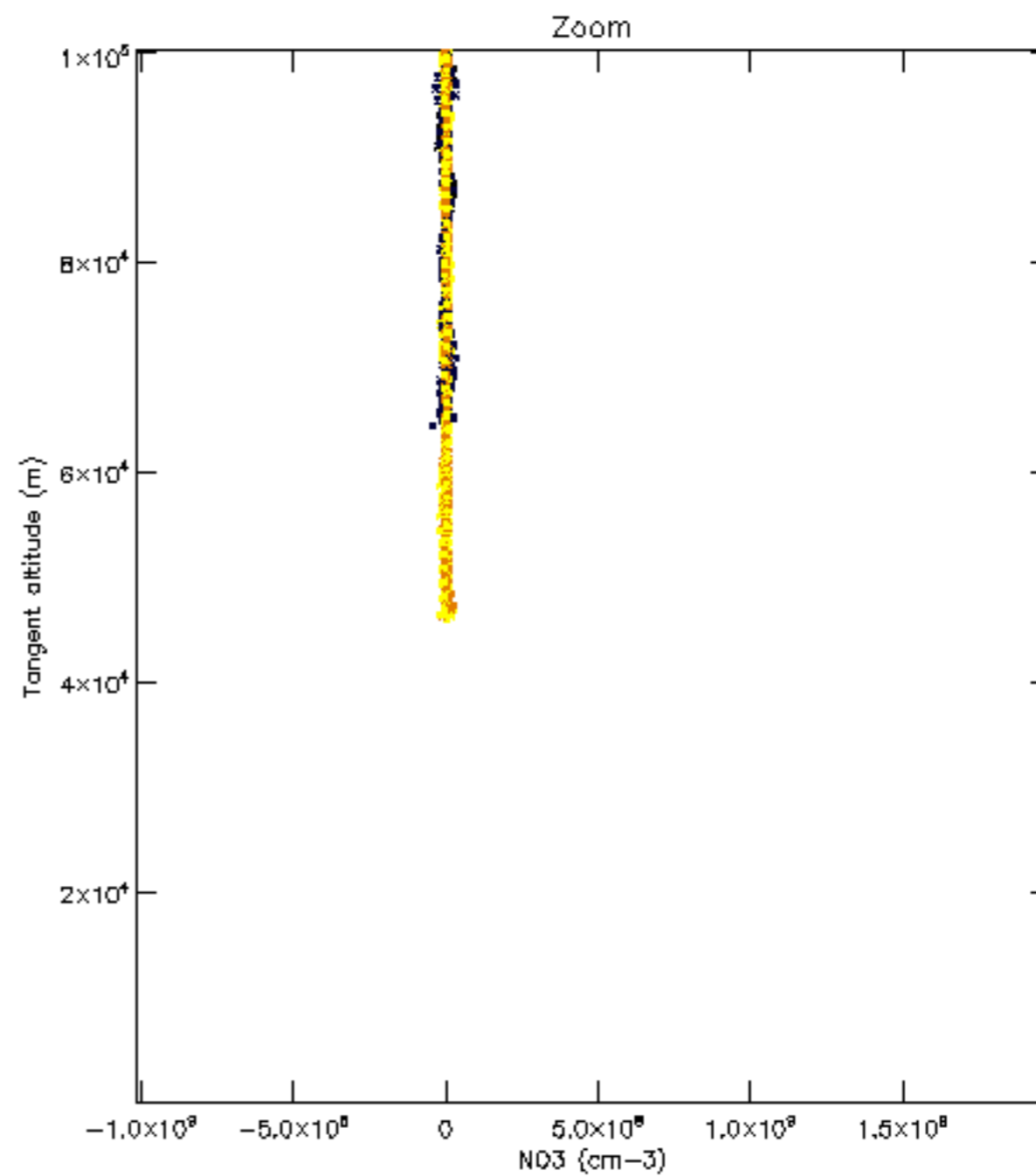
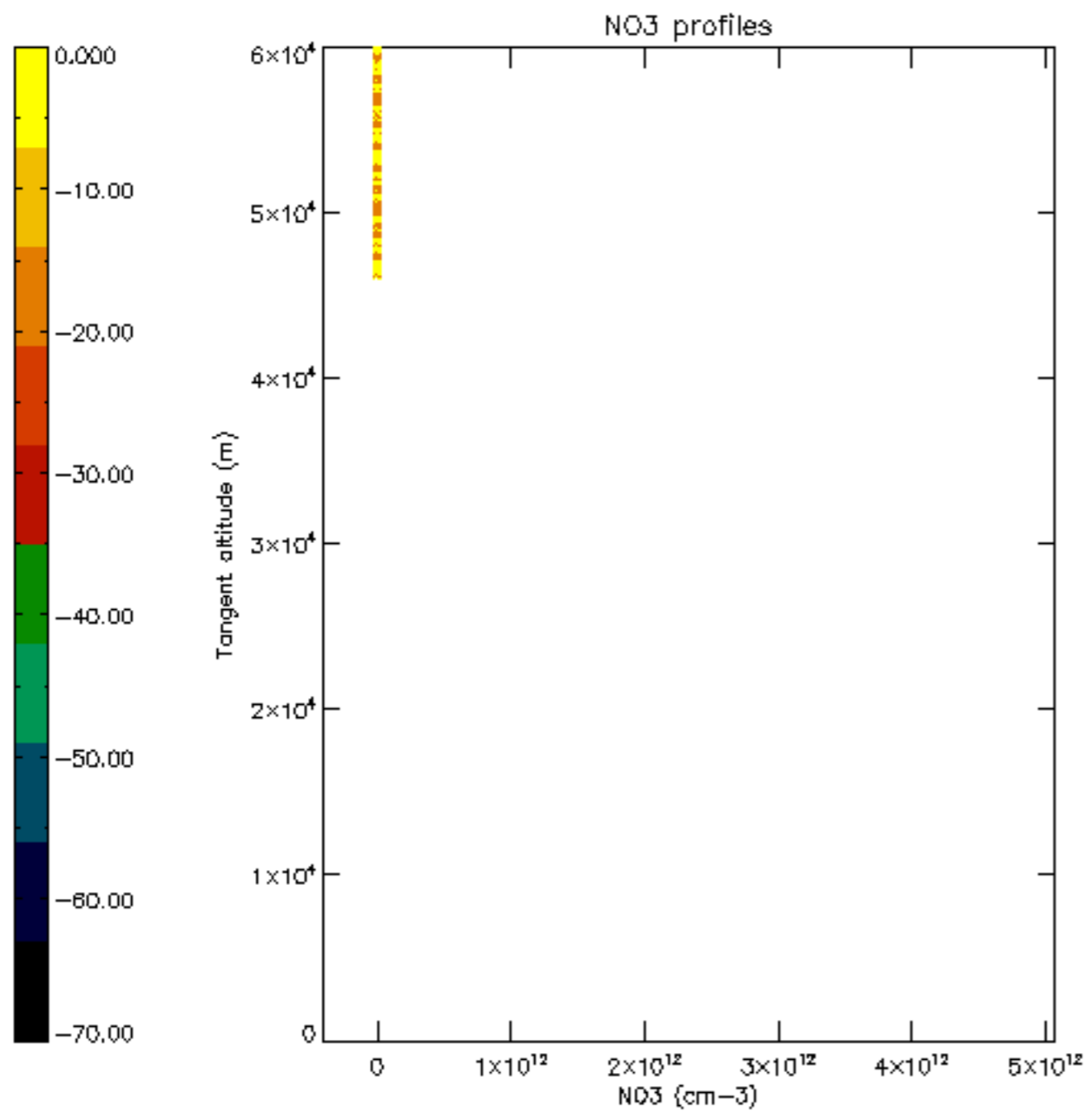




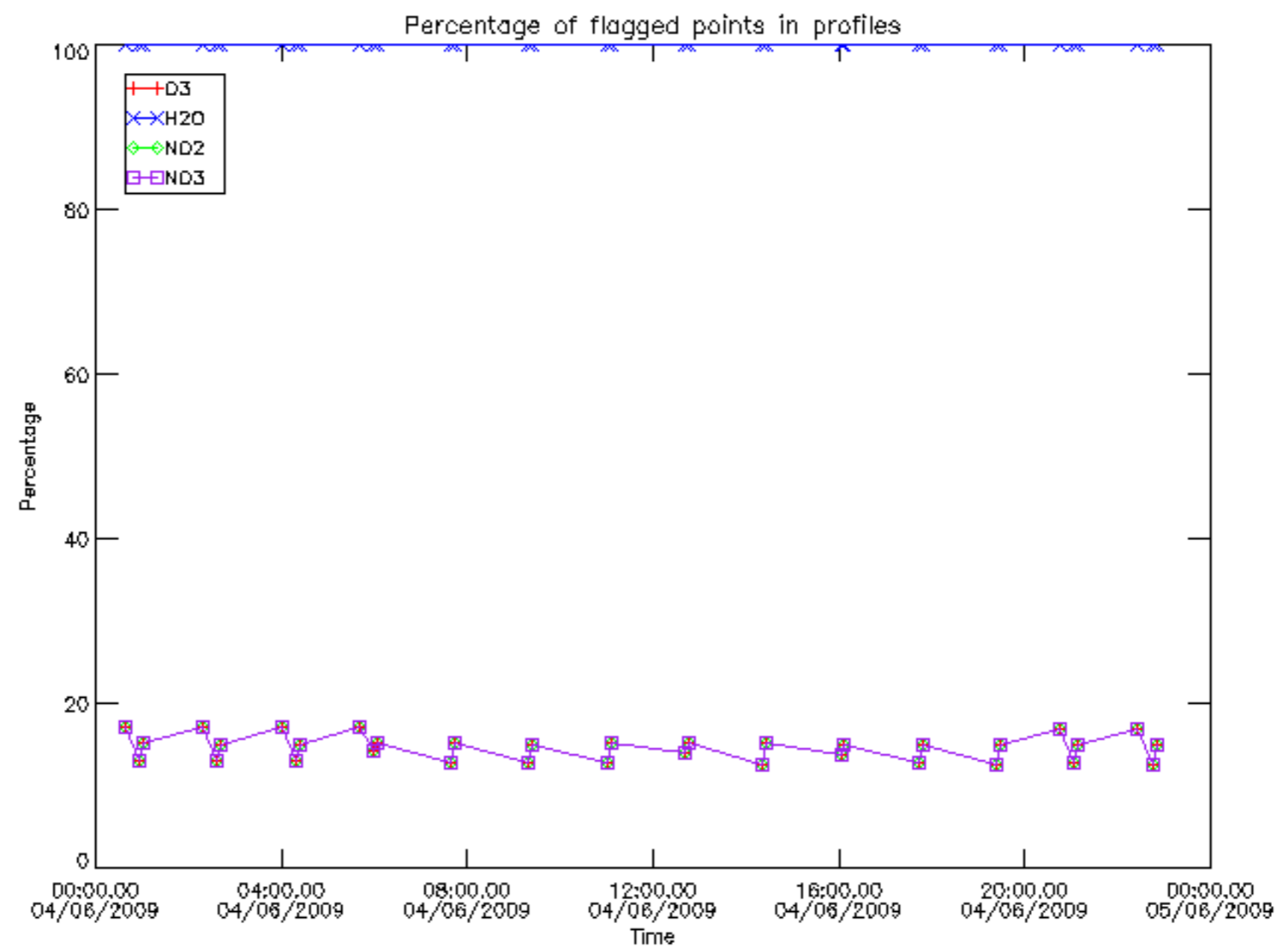




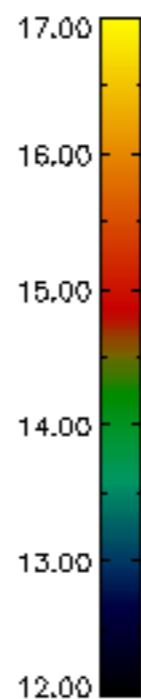
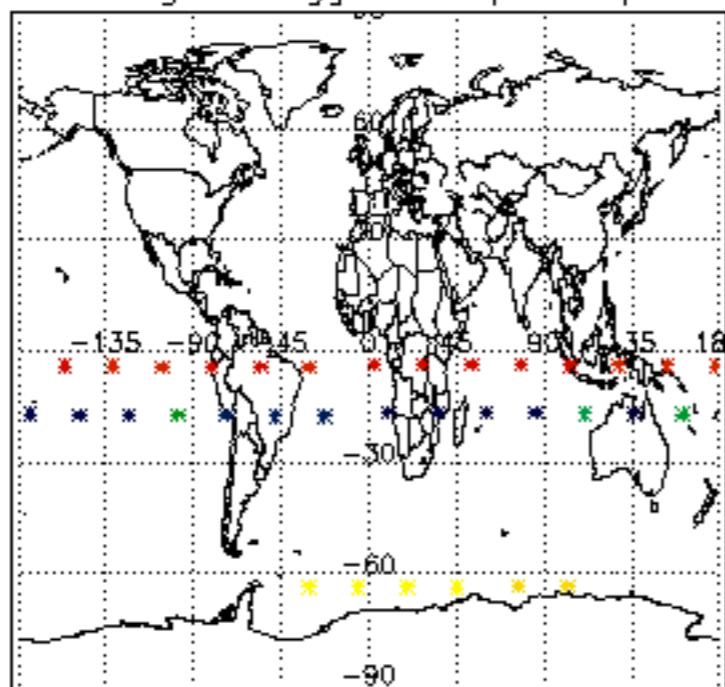




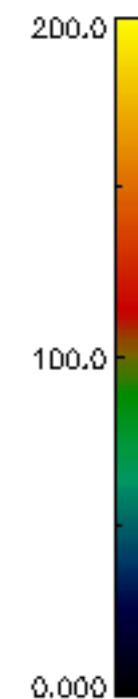
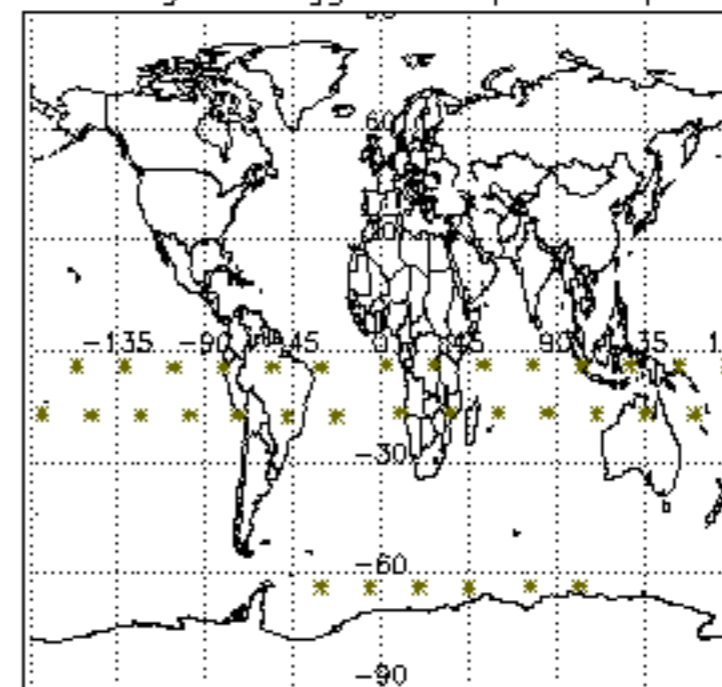




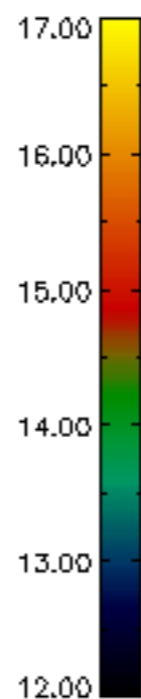
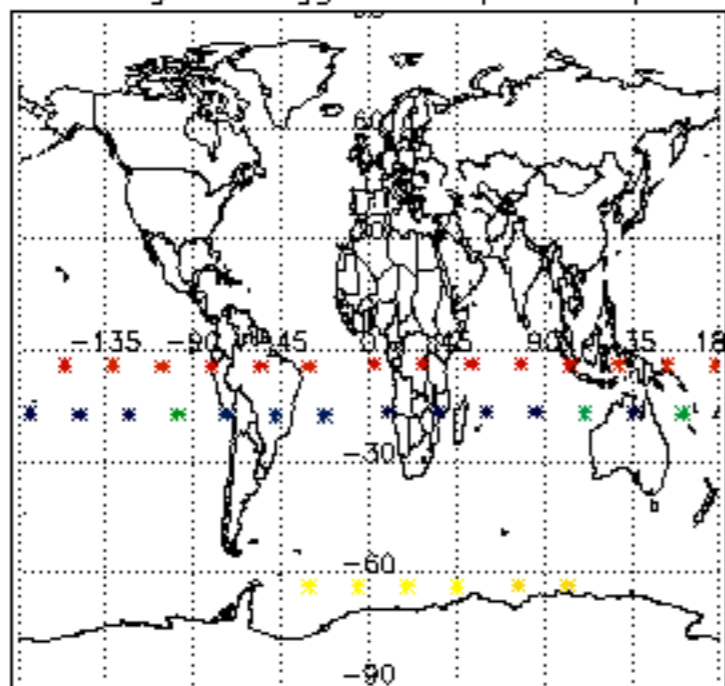
Percentage of flagged data per D3 profile



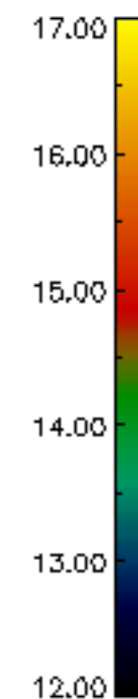
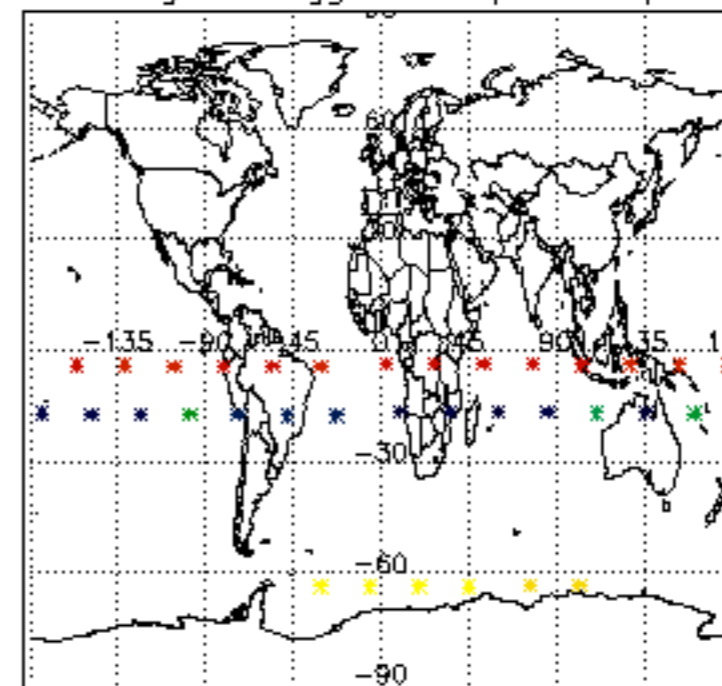
Percentage of flagged data per H2O profile

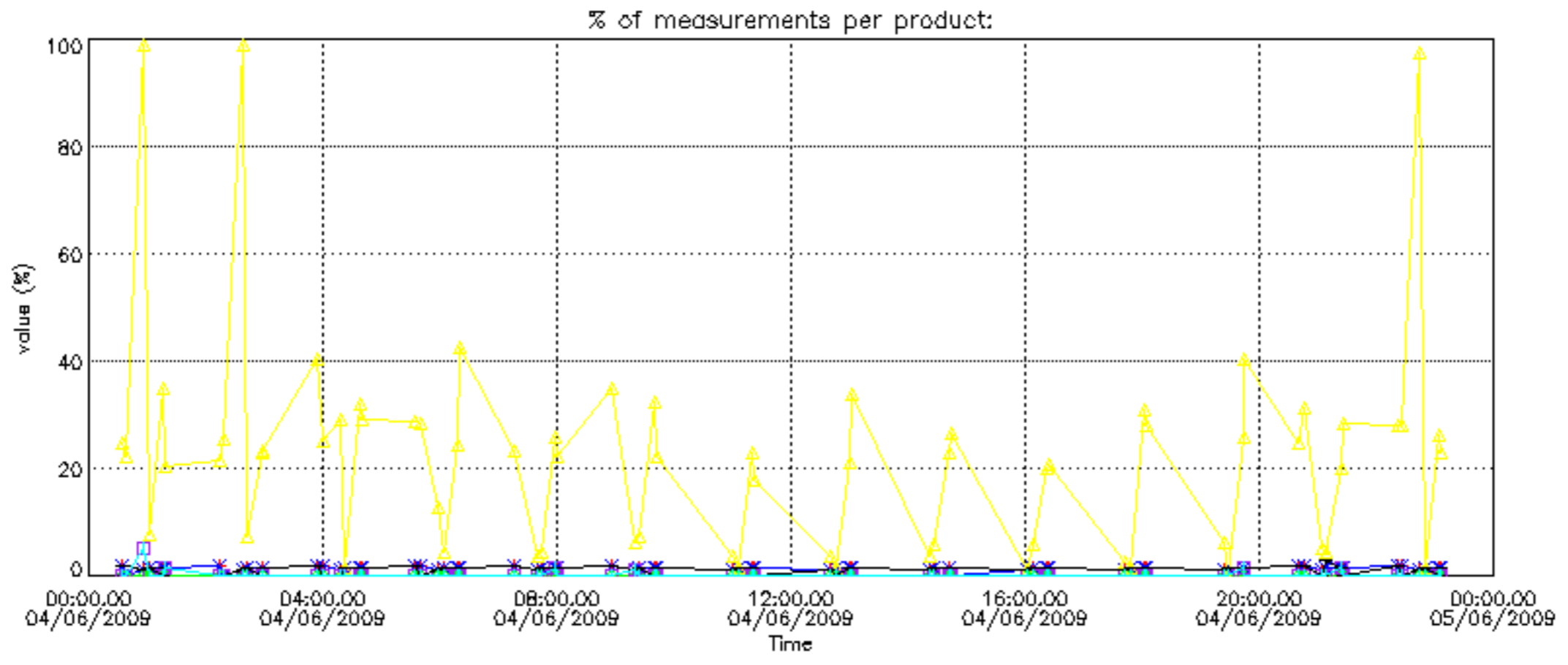


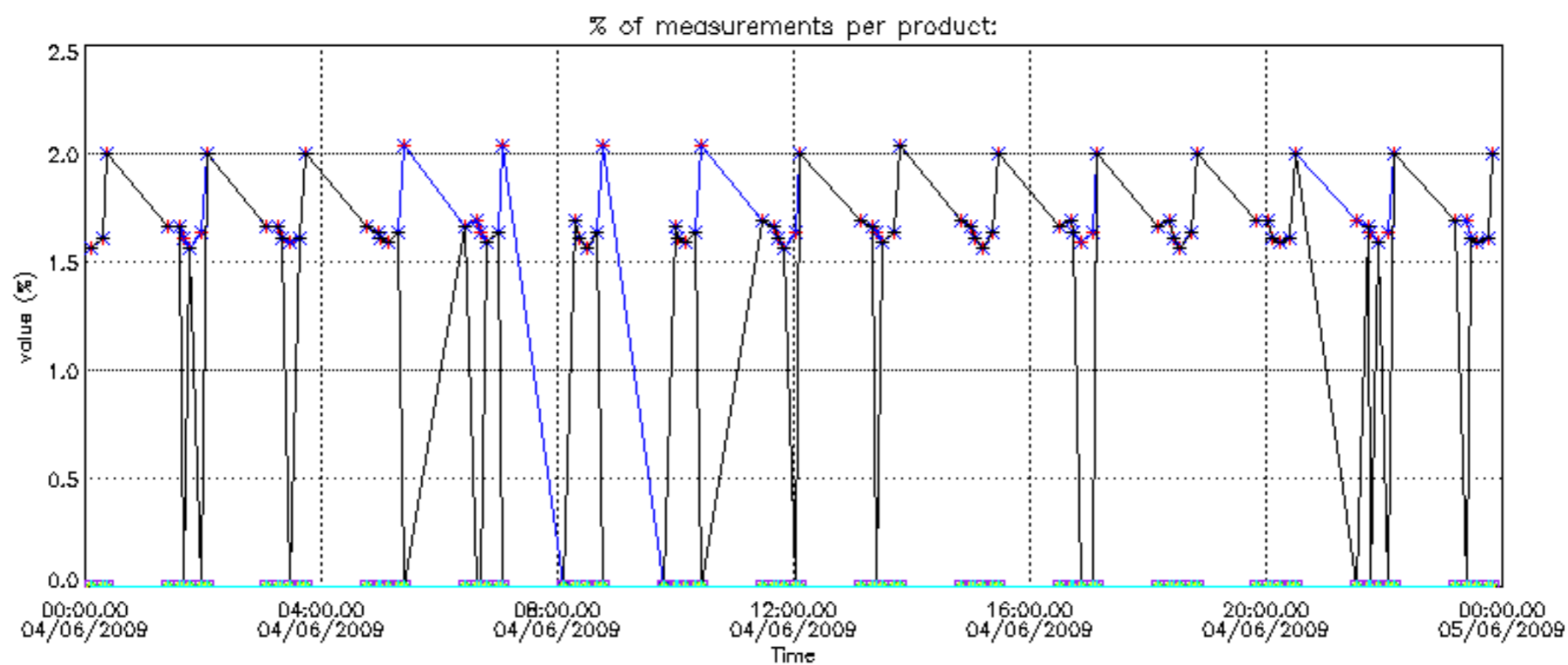
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

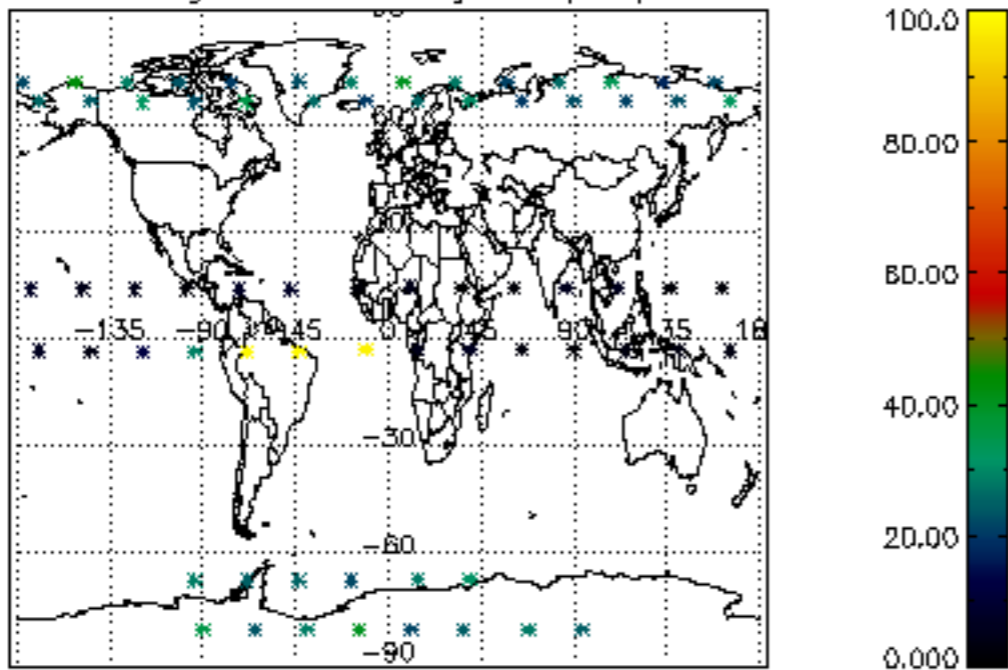




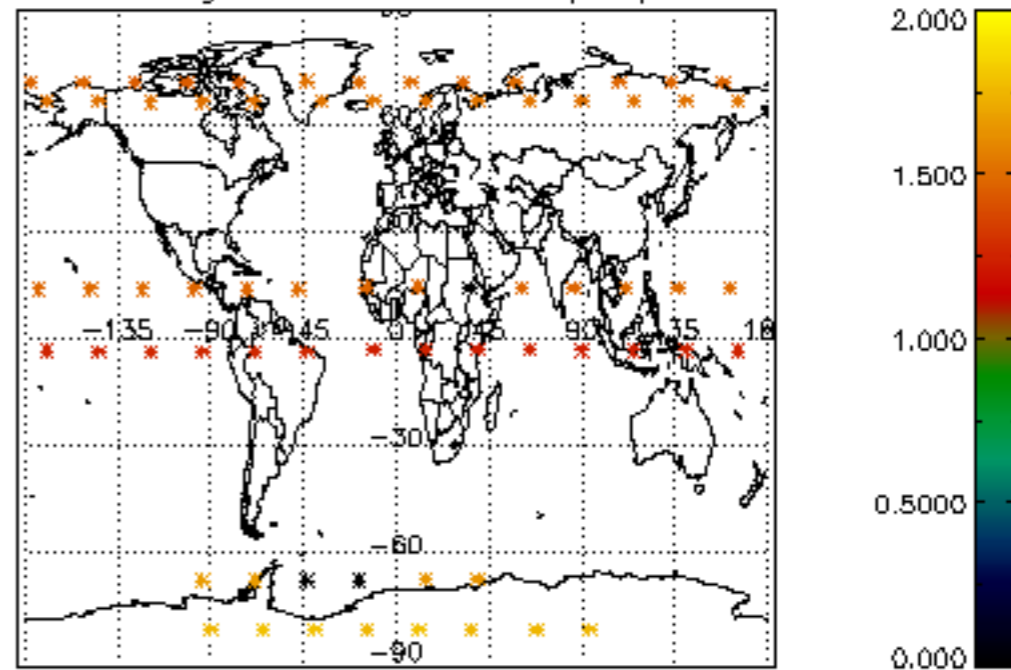




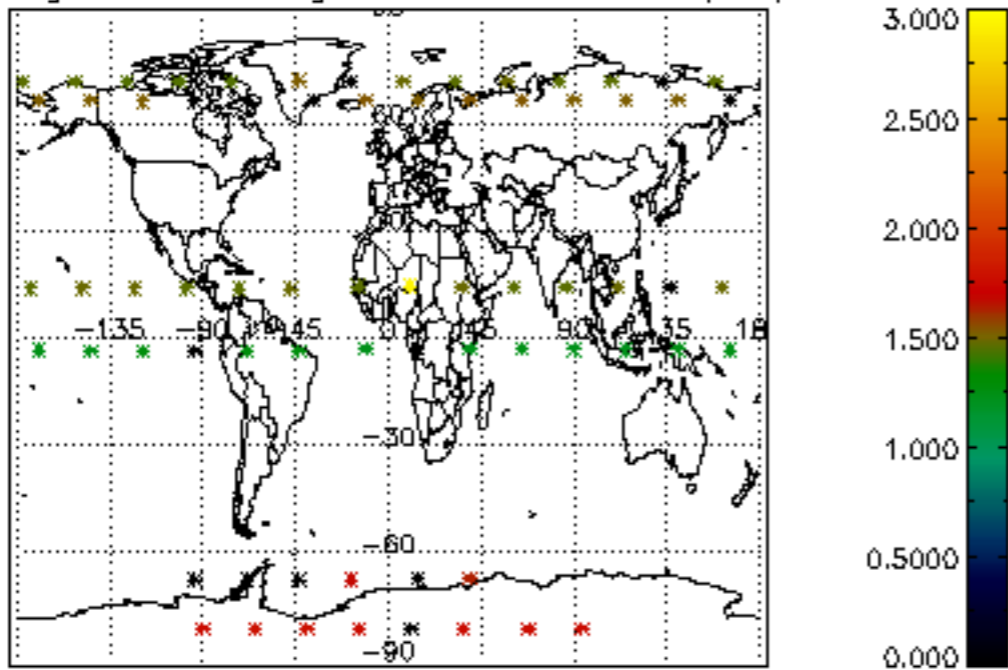
Percentage of cosmic ray hits per profile



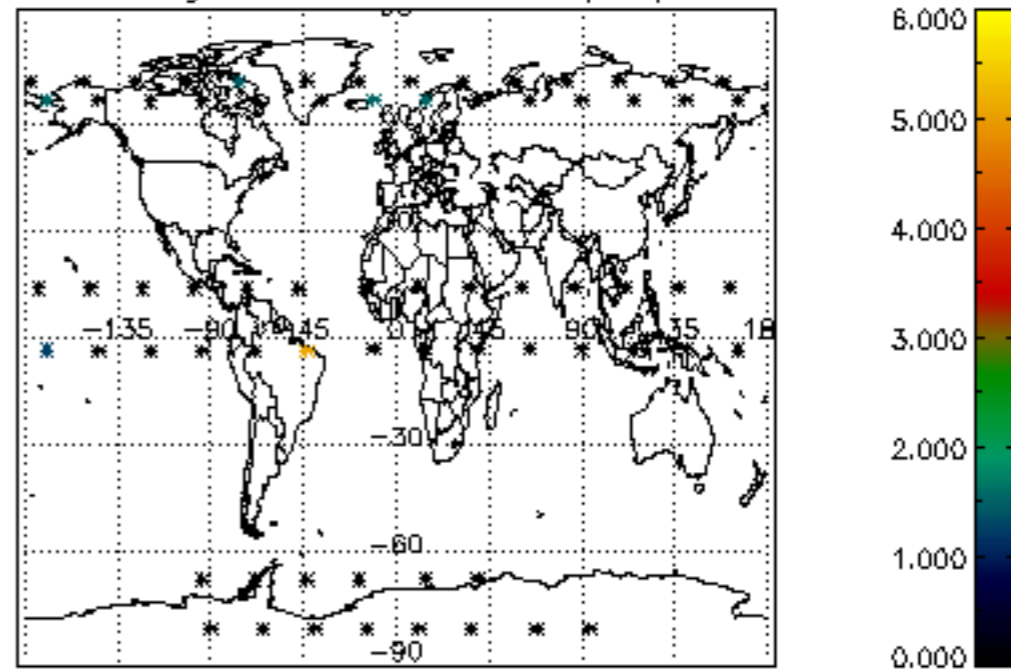
Percentage of datation errors per profile



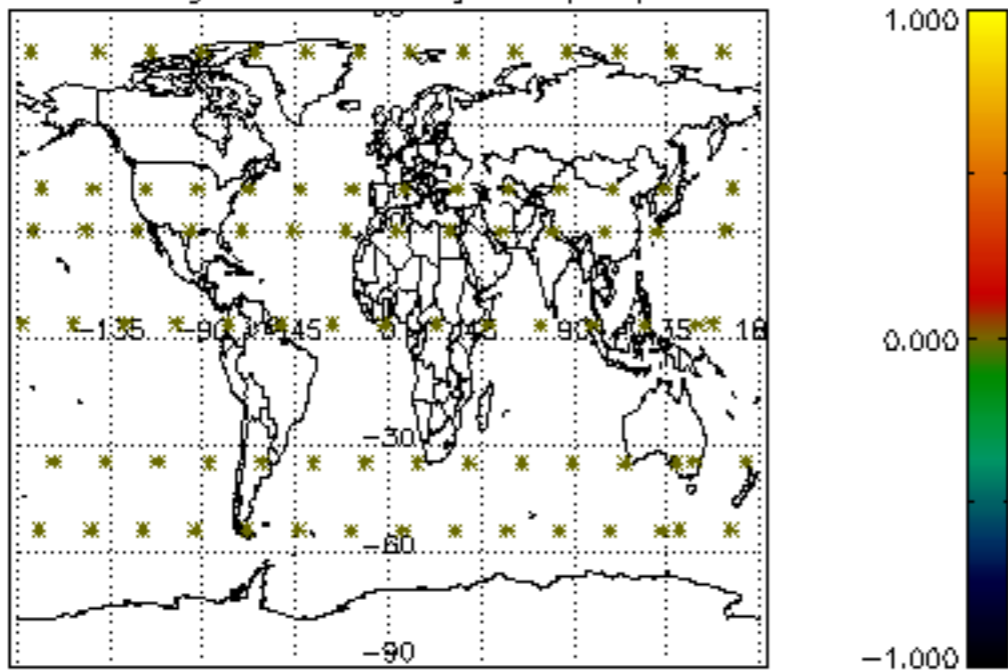
Percentage of star falling outside central band per profile



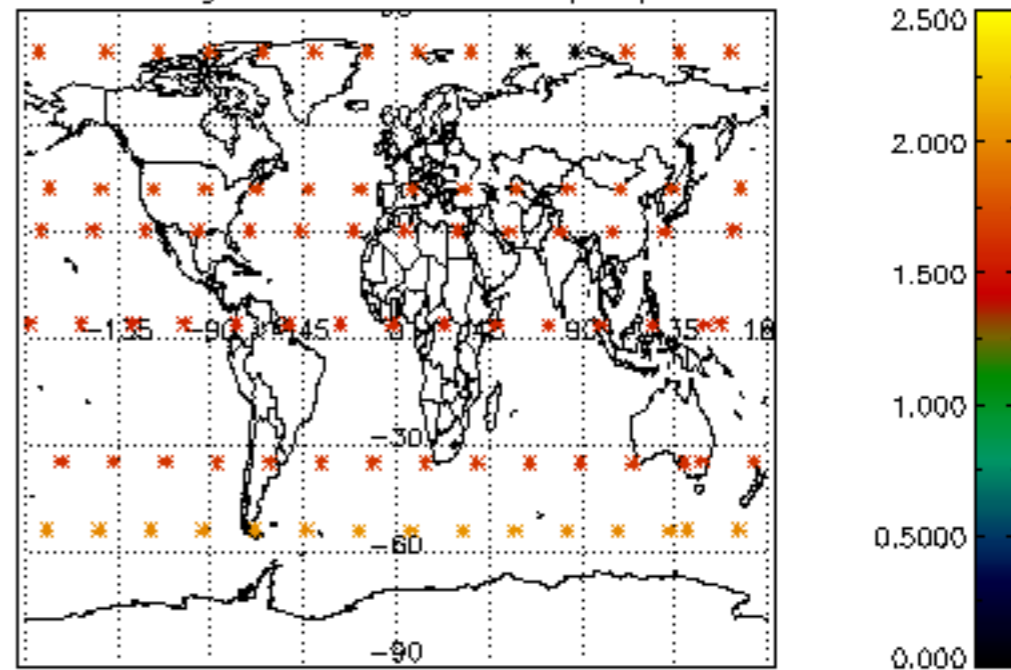
Percentage of saturation errors per profile



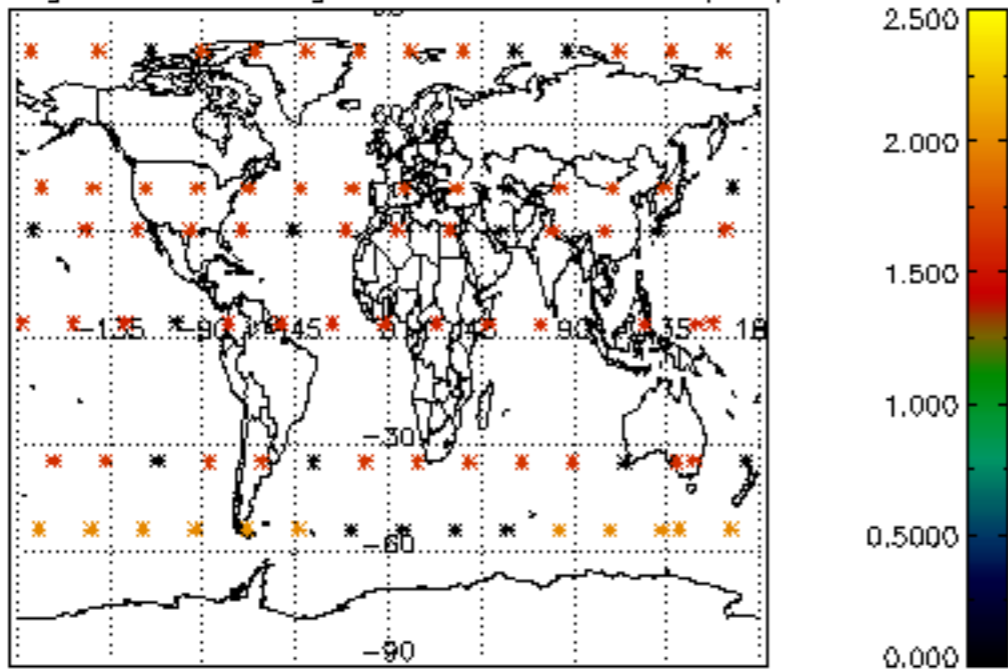
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

