

# 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 09:56:13
Data source version	GOMOS/6.01
Start time of products	03-06-2009 (03JUN2009 00:00:00)
Stop time of products	04-06-2009 (04JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	171
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__2PRFIN20090603_000724_000000342079_00317_37946_0175.N1	03-JUN-2009 00:07:24	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37946	No
2	GOM_NL__2PRFIN20090603_000904_000000352079_00317_37946_0176.N1	03-JUN-2009 00:09:04	Twilight	35.000	116	19Del Sgr	2.7000	4100.0	70	37946	No
3	GOM_NL__2PRFIN20090603_001517_000000312079_00317_37946_0177.N1	03-JUN-2009 00:15:17	Bright	30.500	86	35Eta Oph	2.4300	10200.	61	37946	No
4	GOM_NL__2PRFIN20090603_002716_000000302079_00317_37946_0178.N1	03-JUN-2009 00:27:16	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37946	No
5	GOM_NL__2PRFIN20090603_003037_000000322079_00317_37946_0179.N1	03-JUN-2009 00:30:37	Bright	32.000	133	40Zet Her	2.8070	6000.0	64	37946	No
6	GOM_NL__2PRFIN20090603_003802_000000322079_00317_37946_0180.N1	03-JUN-2009 00:38:02	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37946	No
7	GOM_NL__2PRFIN20090603_004854_000000312079_00317_37946_0181.N1	03-JUN-2009 00:48:54	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37946	No
8	GOM_NL__2PRFIN20090603_005410_000000252079_00317_37946_0182.N1	03-JUN-2009 00:54:10	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37946	No
9	GOM_NL__2PRFIN20090603_010445_000000282079_00317_37946_0183.N1	03-JUN-2009 01:04:45	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37946	No
10	GOM_NL__2PRFIN20090603_010951_000000292079_00317_37946_0184.N1	03-JUN-2009 01:09:51	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37946	No
11	GOM_NL__2PRFIN20090603_012755_000000392079_00317_37946_0185.N1	03-JUN-2009 01:27:55	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37946	No
12	GOM_NL__2PRFIN20090603_013256_000000342079_00318_37947_0184.N1	03-JUN-2009 01:32:56	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37947	No
13	GOM_NL__2PRFIN20090603_014801_000000342079_00318_37947_0185.N1	03-JUN-2009 01:48:01	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37947	No
14	GOM_NL__2PRFIN20090603_014941_000000352079_00318_37947_0186.N1	03-JUN-2009 01:49:41	Twilight	35.000	116	19Del Sgr	2.7000	4100.0	70	37947	No
15	GOM_NL__2PRFIN20090603_015552_000000312079_00318_37947_0187.N1	03-JUN-2009 01:55:52	Twilight	30.500	86	35Eta Oph	2.4300	10200.	61	37947	No
16	GOM_NL__2PRFIN20090603_020751_000000312079_00318_37947_0188.N1	03-JUN-2009 02:07:51	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37947	No
17	GOM_NL__2PRFIN20090603_021113_000000312079_00318_37947_0189.N1	03-JUN-2009 02:11:13	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37947	No
18	GOM_NL__2PRFIN20090603_021837_000000322079_00318_37947_0190.N1	03-JUN-2009 02:18:37	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37947	No
19	GOM_NL__2PRFIN20090603_022929_000000312079_00318_37947_0191.N1	03-JUN-2009 02:29:29	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37947	No
20	GOM_NL__2PRFIN20090603_023446_000000252079_00318_37947_0192.N1	03-JUN-2009 02:34:46	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37947	No
21	GOM_NL__2PRFIN20090603_024521_000000282079_00318_37947_0193.N1	03-JUN-2009 02:45:21	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37947	No
22	GOM_NL__2PRFIN20090603_025027_000000302079_00318_37947_0194.N1	03-JUN-2009 02:50:27	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37947	No
23	GOM_NL__2PRFIN20090603_030832_000000402079_00318_37947_0195.N1	03-JUN-2009 03:08:32	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37947	No
24	GOM_NL__2PRFIN20090603_031333_000000342079_00319_37948_0192.N1	03-JUN-2009 03:13:33	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37948	No
25	GOM_NL__2PRFIN20090603_032837_000000342079_00319_37948_0193.N1	03-JUN-2009 03:28:37	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37948	No
26	GOM_NL__2PRFIN20090603_033017_000000352079_00319_37948_0194.N1	03-JUN-2009 03:30:17	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37948	No
27	GOM_NL__2PRFIN20090603_033629_000000302079_00319_37948_0195.N1	03-JUN-2009 03:36:29	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37948	No
28	GOM_NL__2PRFIN20090603_034827_000000302079_00319_37948_0196.N1	03-JUN-2009 03:48:27	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37948	No
29	GOM_NL__2PRFIN20090603_035148_000000322079_00319_37948_0197.N1	03-JUN-2009 03:51:48	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37948	No
30	GOM_NL__2PRFIN20090603_035912_000000322079_00319_37948_0198.N1	03-JUN-2009 03:59:12	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37948	No
31	GOM_NL__2PRFIN20090603_041005_000000312079_00319_37948_0199.N1	03-JUN-2009 04:10:05	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37948	No
32	GOM_NL__2PRFIN20090603_041522_000000252079_00319_37948_0200.N1	03-JUN-2009 04:15:22	Twilight	24.500	74	11Bet Cas	2.2680	6600.0	49	37948	No
33	GOM_NL__2PRFIN20090603_042557_000000282079_00319_37948_0201.N1	03-JUN-2009 04:25:57	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37948	No
34	GOM_NL__2PRFIN20090603_043104_000000302079_00319_37948_0202.N1	03-JUN-2009 04:31:04	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37948	No
35	GOM_NL__2PRFIN20090603_044909_000000392079_00319_37948_0203.N1	03-JUN-2009 04:49:09	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37948	No
36	GOM_NL__2PRFIN20090603_045410_000000342079_00320_37949_0222.N1	03-JUN-2009 04:54:10	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37949	No
37	GOM_NL__2PRFIN20090603_050914_000000342079_00320_37949_0223.N1	03-JUN-2009 05:09:14	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37949	No
38	GOM_NL__2PRFIN20090603_051054_000000352079_00320_37949_0224.N1	03-JUN-2009 05:10:54	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37949	No
39	GOM_NL__2PRFIN20090603_051705_000000312079_00320_37949_0225.N1	03-JUN-2009 05:17:05	Bright	30.500	86	35Eta Oph	2.4300	10200.	61	37949	No
40	GOM_NL__2PRFIN20090603_052902_000000312079_00320_37949_0226.N1	03-JUN-2009 05:29:02	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37949	No
41	GOM_NL__2PRFIN20090603_053224_000000322079_00320_37949_0227.N1	03-JUN-2009 05:32:24	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37949	No
42	GOM_NL__2PRFIN20090603_053948_000000322079_00320_37949_0228.N1	03-JUN-2009 05:39:48	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37949	No

43	GOM_NL__2PRFIN20090603_055040_000000302079_00320_37949_0229.N1	03-JUN-2009 05:50:40	Tw_i_and_stray	30.000	89	5Alp Cep	2.4510	8000.0	60	37949	No
44	GOM_NL__2PRFIN20090603_055558_000000252079_00320_37949_0230.N1	03-JUN-2009 05:55:58	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37949	No
45	GOM_NL__2PRFIN20090603_060633_000000282079_00320_37949_0231.N1	03-JUN-2009 06:06:33	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37949	No
46	GOM_NL__2PRFIN20090603_061140_000000302079_00320_37949_0232.N1	03-JUN-2009 06:11:40	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37949	No
47	GOM_NL__2PRFIN20090603_062947_000000402079_00320_37949_0233.N1	03-JUN-2009 06:29:47	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37949	No
48	GOM_NL__2PRFIN20090603_063447_000000342079_00321_37950_0255.N1	03-JUN-2009 06:34:47	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37950	No
49	GOM_NL__2PRFIN20090603_064950_000000342079_00321_37950_0256.N1	03-JUN-2009 06:49:50	Tw_i_and_stray	33.500	38	20Eps Sgr	1.8360	11000.	67	37950	No
50	GOM_NL__2PRFIN20090603_065130_000000352079_00321_37950_0257.N1	03-JUN-2009 06:51:30	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37950	No
51	GOM_NL__2PRFIN20090603_065741_000000302079_00321_37950_0258.N1	03-JUN-2009 06:57:41	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37950	No
52	GOM_NL__2PRFIN20090603_070938_000000312079_00321_37950_0259.N1	03-JUN-2009 07:09:38	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37950	No
53	GOM_NL__2PRFIN20090603_071300_000000312079_00321_37950_0260.N1	03-JUN-2009 07:13:00	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37950	No
54	GOM_NL__2PRFIN20090603_072023_000000322079_00321_37950_0261.N1	03-JUN-2009 07:20:23	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37950	No
55	GOM_NL__2PRFIN20090603_073116_000000302079_00321_37950_0262.N1	03-JUN-2009 07:31:16	Tw_i_and_stray	30.000	89	5Alp Cep	2.4510	8000.0	60	37950	No
56	GOM_NL__2PRFIN20090603_073633_000000252079_00321_37950_0263.N1	03-JUN-2009 07:36:33	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37950	No
57	GOM_NL__2PRFIN20090603_074709_000000282079_00321_37950_0264.N1	03-JUN-2009 07:47:09	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37950	No
58	GOM_NL__2PRFIN20090603_075217_000000302079_00321_37950_0265.N1	03-JUN-2009 07:52:17	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37950	No
59	GOM_NL__2PRFIN20090603_081524_000000332079_00322_37951_0269.N1	03-JUN-2009 08:15:24	Dark	33.000	31	Alp Gru	1.7340	15200.	66	37951	No
60	GOM_NL__2PRFIN20090603_083027_000000342079_00322_37951_0270.N1	03-JUN-2009 08:30:27	Tw_i_and_stray	33.500	38	20Eps Sgr	1.8360	11000.	67	37951	No
61	GOM_NL__2PRFIN20090603_083207_000000352079_00322_37951_0271.N1	03-JUN-2009 08:32:07	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37951	No
62	GOM_NL__2PRFIN20090603_083817_000000312079_00322_37951_0272.N1	03-JUN-2009 08:38:17	Bright	30.500	86	35Eta Oph	2.4300	10200.	61	37951	No
63	GOM_NL__2PRFIN20090603_085014_000000302079_00322_37951_0273.N1	03-JUN-2009 08:50:14	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37951	No
64	GOM_NL__2PRFIN20090603_085335_000000322079_00322_37951_0274.N1	03-JUN-2009 08:53:35	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37951	No
65	GOM_NL__2PRFIN20090603_090058_000000322079_00322_37951_0275.N1	03-JUN-2009 09:00:58	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37951	No
66	GOM_NL__2PRFIN20090603_091151_000000312079_00322_37951_0276.N1	03-JUN-2009 09:11:51	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37951	No
67	GOM_NL__2PRFIN20090603_091709_000000252079_00322_37951_0277.N1	03-JUN-2009 09:17:09	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37951	No
68	GOM_NL__2PRFIN20090603_092746_000000282079_00322_37951_0278.N1	03-JUN-2009 09:27:46	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37951	No
69	GOM_NL__2PRFIN20090603_093253_000000302079_00322_37951_0279.N1	03-JUN-2009 09:32:53	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37951	No
70	GOM_NL__2PRFIN20090603_095601_000000342079_00323_37952_0283.N1	03-JUN-2009 09:56:01	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37952	No
71	GOM_NL__2PRFIN20090603_101103_000000332079_00323_37952_0284.N1	03-JUN-2009 10:11:03	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37952	No
72	GOM_NL__2PRFIN20090603_101243_000000352079_00323_37952_0285.N1	03-JUN-2009 10:12:43	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37952	No
73	GOM_NL__2PRFIN20090603_101853_000000302079_00323_37952_0286.N1	03-JUN-2009 10:18:53	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37952	No
74	GOM_NL__2PRFIN20090603_103049_000000302079_00323_37952_0287.N1	03-JUN-2009 10:30:49	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37952	No
75	GOM_NL__2PRFIN20090603_103410_000000312079_00323_37952_0288.N1	03-JUN-2009 10:34:10	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37952	No
76	GOM_NL__2PRFIN20090603_104134_000000322079_00323_37952_0289.N1	03-JUN-2009 10:41:34	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37952	No
77	GOM_NL__2PRFIN20090603_105226_000000312079_00323_37952_0290.N1	03-JUN-2009 10:52:26	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37952	No
78	GOM_NL__2PRFIN20090603_105745_000000252079_00323_37952_0291.N1	03-JUN-2009 10:57:45	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37952	No
79	GOM_NL__2PRFIN20090603_110822_000000282079_00323_37952_0292.N1	03-JUN-2009 11:08:22	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37952	No
80	GOM_NL__2PRFIN20090603_111330_000000302079_00323_37952_0293.N1	03-JUN-2009 11:13:30	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37952	No
81	GOM_NL__2PRFIN20090603_113138_000000402079_00323_37952_0294.N1	03-JUN-2009 11:31:38	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37952	No
82	GOM_NL__2PRFIN20090603_113638_000000342079_00324_37953_0298.N1	03-JUN-2009 11:36:38	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37953	No
83	GOM_NL__2PRFIN20090603_115140_000000332079_00324_37953_0299.N1	03-JUN-2009 11:51:40	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37953	No
84	GOM_NL__2PRFIN20090603_115319_000000352079_00324_37953_0300.N1	03-JUN-2009 11:53:19	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37953	No
85	GOM_NL__2PRFIN20090603_115929_000000302079_00324_37953_0301.N1	03-JUN-2009 11:59:29	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37953	No
86	GOM_NL__2PRFIN20090603_121125_000000312079_00324_37953_0302.N1	03-JUN-2009 12:11:25	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37953	No
87	GOM_NL__2PRFIN20090603_121446_000000322079_00324_37953_0303.N1	03-JUN-2009 12:14:46	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37953	No
88	GOM_NL__2PRFIN20090603_122209_000000322079_00324_37953_0304.N1	03-JUN-2009 12:22:09	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37953	No
89	GOM_NL__2PRFIN20090603_123301_000000312079_00324_37953_0305.N1	03-JUN-2009 12:33:01	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37953	No
90	GOM_NL__2PRFIN20090603_123821_000000252079_00324_37953_0306.N1	03-JUN-2009 12:38:21	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37953	No
91	GOM_NL__2PRFIN20090603_124858_000000282079_00324_37953_0307.N1	03-JUN-2009 12:48:58	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37953	No
92	GOM_NL__2PRFIN20090603_125406_000000302079_00324_37953_0308.N1	03-JUN-2009 12:54:06	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37953	No
93	GOM_NL__2PRFIN20090603_131216_000000392079_00324_37953_0309.N1	03-JUN-2009 13:12:16	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37953	No
94	GOM_NL__2PRFIN20090603_131715_000000342079_00325_37954_0312.N1	03-JUN-2009 13:17:15	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37954	No
95	GOM_NL__2PRFIN20090603_133216_000000332079_00325_37954_0313.N1	03-JUN-2009 13:32:16	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37954	No
96	GOM_NL__2PRFIN20090603_133355_000000352079_00325_37954_0314.N1	03-JUN-2009 13:33:55	Tw_i_and_stray	35.000	116	19Del Sgr	2.7000	4100.0	70	37954	No
97	GOM_NL__2PRFIN20090603_134005_000000302079_00325_37954_0315.N1	03-JUN-2009 13:40:05	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37954	No
98	GOM_NL__2PRFIN20090603_135200_000000302079_00325_37954_0316.N1	03-JUN-2009 13:52:00	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37954	No
99	GOM_NL__2PRFIN20090603_135522_000000312079_00325_37954_0317.N1	03-JUN-2009 13:55:22	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37954	No
100	GOM_NL__2PRFIN20090603_140244_000000322079_00325_37954_0318.N1	03-JUN-2009 14:02:44	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37954	No
101	GOM_NL__2PRFIN20090603_141336_000000312079_00325_37954_0319.N1	03-JUN-2009 14:13:36	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37954	No

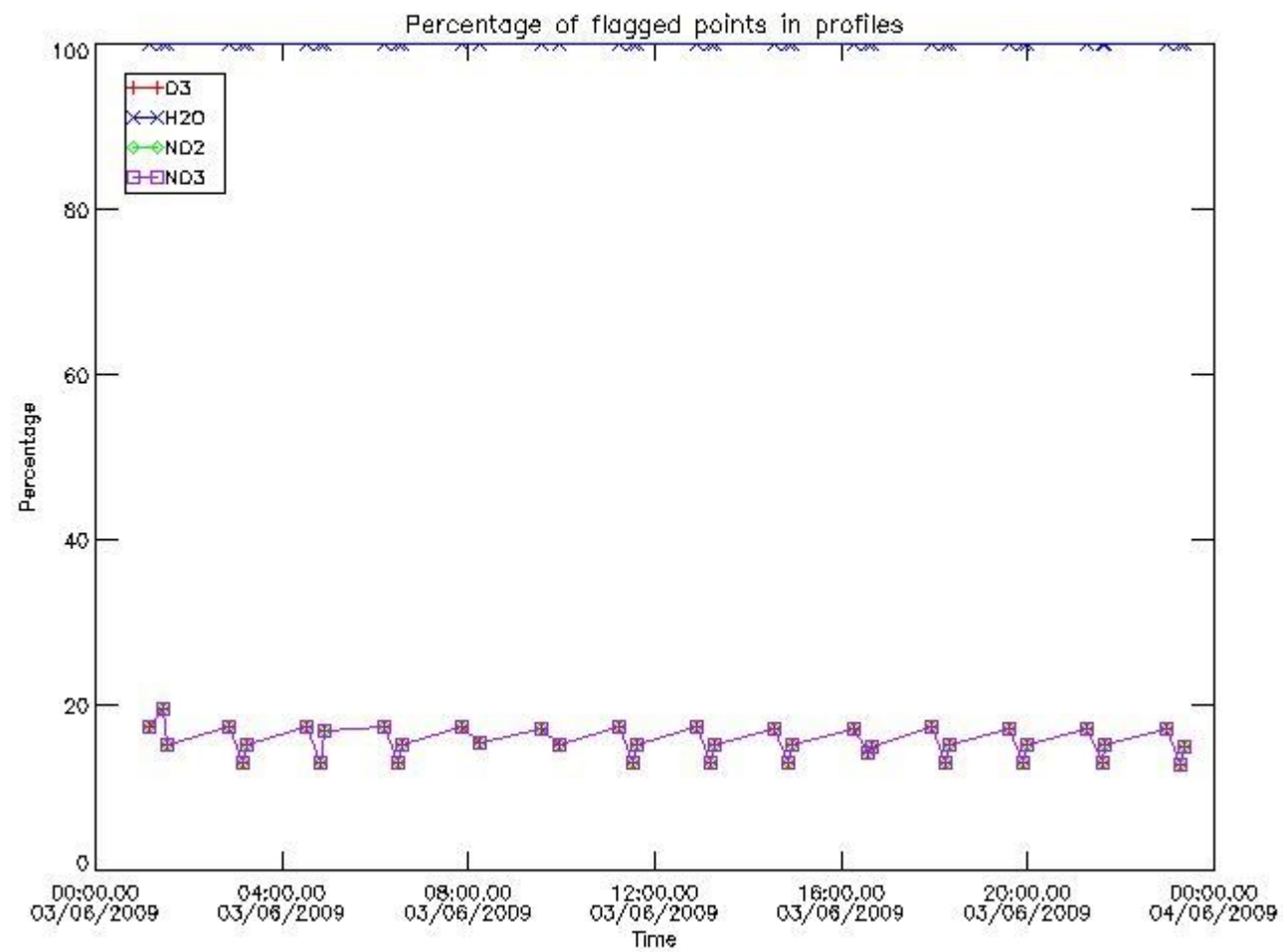
102	GOM_NL__2PRFIN20090603_141856_000000252079_00325_37954_0320.N1	03-JUN-2009 14:18:56	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37954	No
103	GOM_NL__2PRFIN20090603_142934_000000282079_00325_37954_0321.N1	03-JUN-2009 14:29:34	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37954	No
104	GOM_NL__2PRFIN20090603_143442_000000302079_00325_37954_0322.N1	03-JUN-2009 14:34:42	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37954	No
105	GOM_NL__2PRFIN20090603_145253_000000392079_00325_37954_0323.N1	03-JUN-2009 14:52:53	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37954	No
106	GOM_NL__2PRFIN20090603_145751_000000342079_00326_37955_0328.N1	03-JUN-2009 14:57:51	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37955	No
107	GOM_NL__2PRFIN20090603_151252_000000342079_00326_37955_0329.N1	03-JUN-2009 15:12:52	Tw_i_and_stray	33.500	38	20Eps Sgr	1.8360	11000.	67	37955	No
108	GOM_NL__2PRFIN20090603_151432_000000342079_00326_37955_0330.N1	03-JUN-2009 15:14:32	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37955	No
109	GOM_NL__2PRFIN20090603_152041_000000302079_00326_37955_0331.N1	03-JUN-2009 15:20:41	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37955	No
110	GOM_NL__2PRFIN20090603_153236_000000302079_00326_37955_0332.N1	03-JUN-2009 15:32:36	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37955	No
111	GOM_NL__2PRFIN20090603_153557_000000312079_00326_37955_0333.N1	03-JUN-2009 15:35:57	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37955	No
112	GOM_NL__2PRFIN20090603_154320_000000322079_00326_37955_0334.N1	03-JUN-2009 15:43:20	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37955	No
113	GOM_NL__2PRFIN20090603_155412_000000312079_00326_37955_0335.N1	03-JUN-2009 15:54:12	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37955	No
114	GOM_NL__2PRFIN20090603_155932_000000252079_00326_37955_0336.N1	03-JUN-2009 15:59:32	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37955	No
115	GOM_NL__2PRFIN20090603_161010_000000282079_00326_37955_0337.N1	03-JUN-2009 16:10:10	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37955	No
116	GOM_NL__2PRFIN20090603_161519_000000302079_00326_37955_0338.N1	03-JUN-2009 16:15:19	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37955	No
117	GOM_NL__2PRFIN20090603_163330_000000402079_00326_37955_0339.N1	03-JUN-2009 16:33:30	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37955	No
118	GOM_NL__2PRFIN20090603_163828_000000342079_00327_37956_0342.N1	03-JUN-2009 16:38:28	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37956	No
119	GOM_NL__2PRFIN20090603_165329_000000332079_00327_37956_0343.N1	03-JUN-2009 16:53:29	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37956	No
120	GOM_NL__2PRFIN20090603_165509_000000352079_00327_37956_0344.N1	03-JUN-2009 16:55:09	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37956	No
121	GOM_NL__2PRFIN20090603_170117_000000312079_00327_37956_0345.N1	03-JUN-2009 17:01:17	Tw_i_and_stray	30.500	86	35Eta Oph	2.4300	10200.	61	37956	No
122	GOM_NL__2PRFIN20090603_171312_000000302079_00327_37956_0346.N1	03-JUN-2009 17:13:12	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37956	No
123	GOM_NL__2PRFIN20090603_171633_000000312079_00327_37956_0347.N1	03-JUN-2009 17:16:33	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37956	No
124	GOM_NL__2PRFIN20090603_172355_000000322079_00327_37956_0348.N1	03-JUN-2009 17:23:55	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37956	No
125	GOM_NL__2PRFIN20090603_173447_000000312079_00327_37956_0349.N1	03-JUN-2009 17:34:47	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37956	No
126	GOM_NL__2PRFIN20090603_174008_000000252079_00327_37956_0350.N1	03-JUN-2009 17:40:08	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37956	No
127	GOM_NL__2PRFIN20090603_175046_000000282079_00327_37956_0351.N1	03-JUN-2009 17:50:46	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37956	No
128	GOM_NL__2PRFIN20090603_175556_000000302079_00327_37956_0352.N1	03-JUN-2009 17:55:56	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37956	No
129	GOM_NL__2PRFIN20090603_181407_000000402079_00327_37956_0353.N1	03-JUN-2009 18:14:07	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37956	No
130	GOM_NL__2PRFIN20090603_181905_000000342079_00328_37957_0358.N1	03-JUN-2009 18:19:05	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37957	No
131	GOM_NL__2PRFIN20090603_183406_000000332079_00328_37957_0359.N1	03-JUN-2009 18:34:06	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37957	No
132	GOM_NL__2PRFIN20090603_183545_000000352079_00328_37957_0360.N1	03-JUN-2009 18:35:45	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37957	No
133	GOM_NL__2PRFIN20090603_184153_000000312079_00328_37957_0361.N1	03-JUN-2009 18:41:53	Tw_i_and_stray	30.500	86	35Eta Oph	2.4300	10200.	61	37957	No
134	GOM_NL__2PRFIN20090603_185347_000000302079_00328_37957_0362.N1	03-JUN-2009 18:53:47	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37957	No
135	GOM_NL__2PRFIN20090603_185708_000000312079_00328_37957_0363.N1	03-JUN-2009 18:57:08	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37957	No
136	GOM_NL__2PRFIN20090603_190431_000000322079_00328_37957_0364.N1	03-JUN-2009 19:04:31	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37957	No
137	GOM_NL__2PRFIN20090603_191523_000000312079_00328_37957_0365.N1	03-JUN-2009 19:15:23	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37957	No
138	GOM_NL__2PRFIN20090603_192044_000000252079_00328_37957_0366.N1	03-JUN-2009 19:20:44	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37957	No
139	GOM_NL__2PRFIN20090603_193122_000000282079_00328_37957_0367.N1	03-JUN-2009 19:31:22	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37957	No
140	GOM_NL__2PRFIN20090603_193632_000000302079_00328_37957_0368.N1	03-JUN-2009 19:36:32	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37957	No
141	GOM_NL__2PRFIN20090603_195445_000000402079_00328_37957_0369.N1	03-JUN-2009 19:54:45	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37957	No
142	GOM_NL__2PRFIN20090603_195942_000000332079_00329_37958_0376.N1	03-JUN-2009 19:59:42	Dark	33.000	31	Alp Gru	1.7340	15200.	66	37958	No
143	GOM_NL__2PRFIN20090603_201442_000000332079_00329_37958_0377.N1	03-JUN-2009 20:14:42	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37958	No
144	GOM_NL__2PRFIN20090603_201621_000000352079_00329_37958_0378.N1	03-JUN-2009 20:16:21	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37958	No
145	GOM_NL__2PRFIN20090603_202229_000000302079_00329_37958_0379.N1	03-JUN-2009 20:22:29	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37958	No
146	GOM_NL__2PRFIN20090603_203423_000000302079_00329_37958_0380.N1	03-JUN-2009 20:34:23	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37958	No
147	GOM_NL__2PRFIN20090603_203744_000000312079_00329_37958_0381.N1	03-JUN-2009 20:37:44	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37958	No
148	GOM_NL__2PRFIN20090603_204506_000000322079_00329_37958_0382.N1	03-JUN-2009 20:45:06	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37958	No
149	GOM_NL__2PRFIN20090603_205558_000000312079_00329_37958_0383.N1	03-JUN-2009 20:55:58	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37958	No
150	GOM_NL__2PRFIN20090603_210119_000000252079_00329_37958_0384.N1	03-JUN-2009 21:01:19	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37958	No
151	GOM_NL__2PRFIN20090603_211159_000000282079_00329_37958_0385.N1	03-JUN-2009 21:11:59	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37958	No
152	GOM_NL__2PRFIN20090603_211709_000000302079_00329_37958_0386.N1	03-JUN-2009 21:17:09	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37958	No
153	GOM_NL__2PRFIN20090603_213522_000000402079_00329_37958_0387.N1	03-JUN-2009 21:35:22	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37958	No
154	GOM_NL__2PRFIN20090603_214019_000000342079_00330_37959_0414.N1	03-JUN-2009 21:40:19	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37959	No
155	GOM_NL__2PRFIN20090603_215518_000000332079_00330_37959_0415.N1	03-JUN-2009 21:55:18	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37959	No
156	GOM_NL__2PRFIN20090603_215658_000000352079_00330_37959_0416.N1	03-JUN-2009 21:56:58	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37959	No
157	GOM_NL__2PRFIN20090603_220305_000000302079_00330_37959_0417.N1	03-JUN-2009 22:03:05	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37959	No
158	GOM_NL__2PRFIN20090603_221458_000000302079_00330_37959_0418.N1	03-JUN-2009 22:14:58	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37959	No
159	GOM_NL__2PRFIN20090603_221819_000000312079_00330_37959_0419.N1	03-JUN-2009 22:18:19	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37959	No
160	GOM_NL__2PRFIN20090603_222541_000000322079_00330_37959_0420.N1	03-JUN-2009 22:25:41	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37959	No

161	GOM_NL__2PRFIN20090603_223633_000000312079_00330_37959_0421.N1	03-JUN-2009 22:36:33	Twilight_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37959	No
162	GOM_NL__2PRFIN20090603_224155_000000252079_00330_37959_0422.N1	03-JUN-2009 22:41:55	Twilight_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37959	No
163	GOM_NL__2PRFIN20090603_225235_000000282079_00330_37959_0423.N1	03-JUN-2009 22:52:35	Twilight_stray	28.000	58	21Alp And	2.0730	11000.	56	37959	No
164	GOM_NL__2PRFIN20090603_225745_000000302079_00330_37959_0424.N1	03-JUN-2009 22:57:45	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37959	No
165	GOM_NL__2PRFIN20090603_231559_000000402079_00330_37959_0425.N1	03-JUN-2009 23:15:59	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37959	No
166	GOM_NL__2PRFIN20090603_232056_000000342079_00331_37960_0429.N1	03-JUN-2009 23:20:56	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37960	No
167	GOM_NL__2PRFIN20090603_233555_000000332079_00331_37960_0430.N1	03-JUN-2009 23:35:55	Twilight_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37960	No
168	GOM_NL__2PRFIN20090603_233734_000000352079_00331_37960_0431.N1	03-JUN-2009 23:37:34	Twilight_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37960	No
169	GOM_NL__2PRFIN20090603_234341_000000302079_00331_37960_0432.N1	03-JUN-2009 23:43:41	Twilight_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37960	No
170	GOM_NL__2PRFIN20090603_235534_000000302079_00331_37960_0433.N1	03-JUN-2009 23:55:34	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37960	No
171	GOM_NL__2PRFIN20090603_235855_000000312079_00331_37960_0434.N1	03-JUN-2009 23:58:55	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37960	No

### 3. Quality information per product

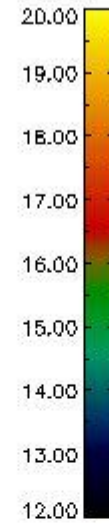
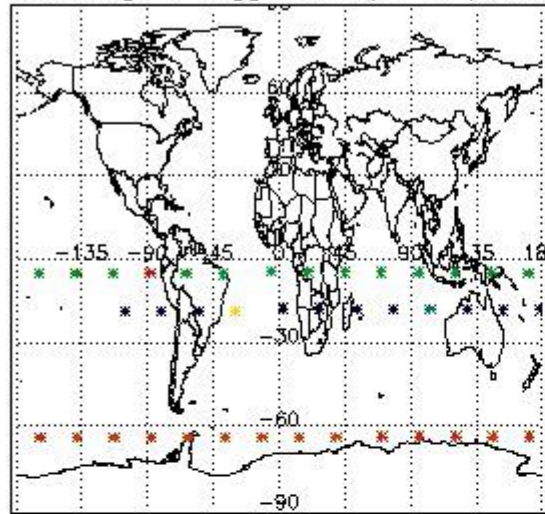
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

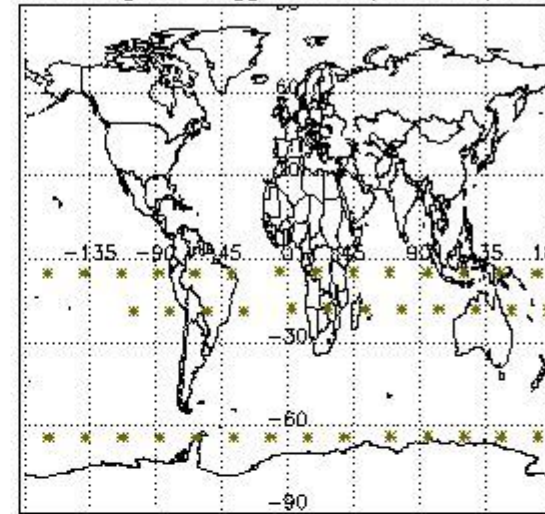


#### 3.2 Plot quality information per product (world map)

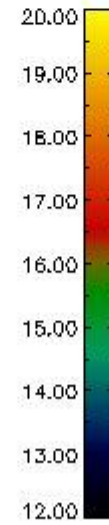
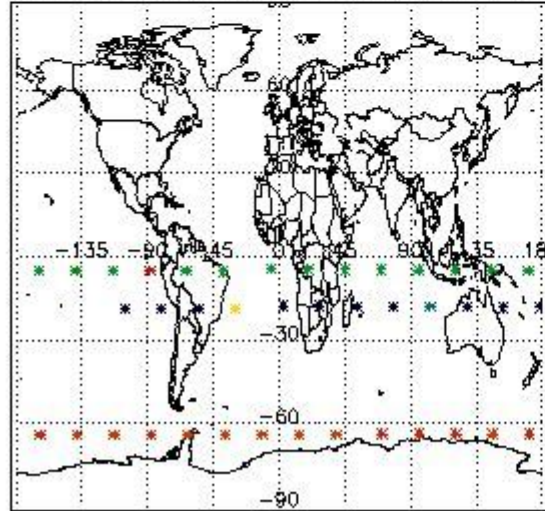
Percentage of flagged data per O3 profile



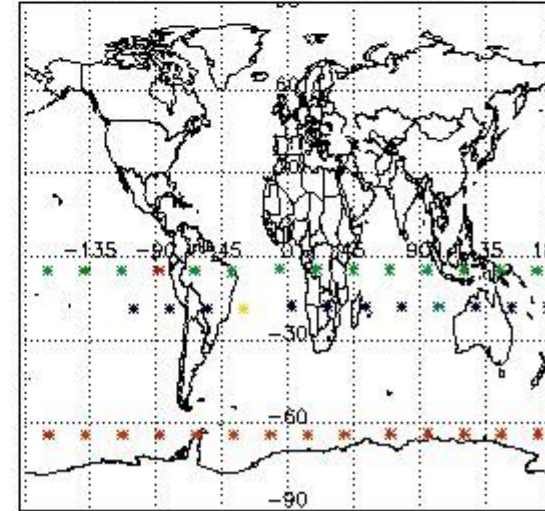
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

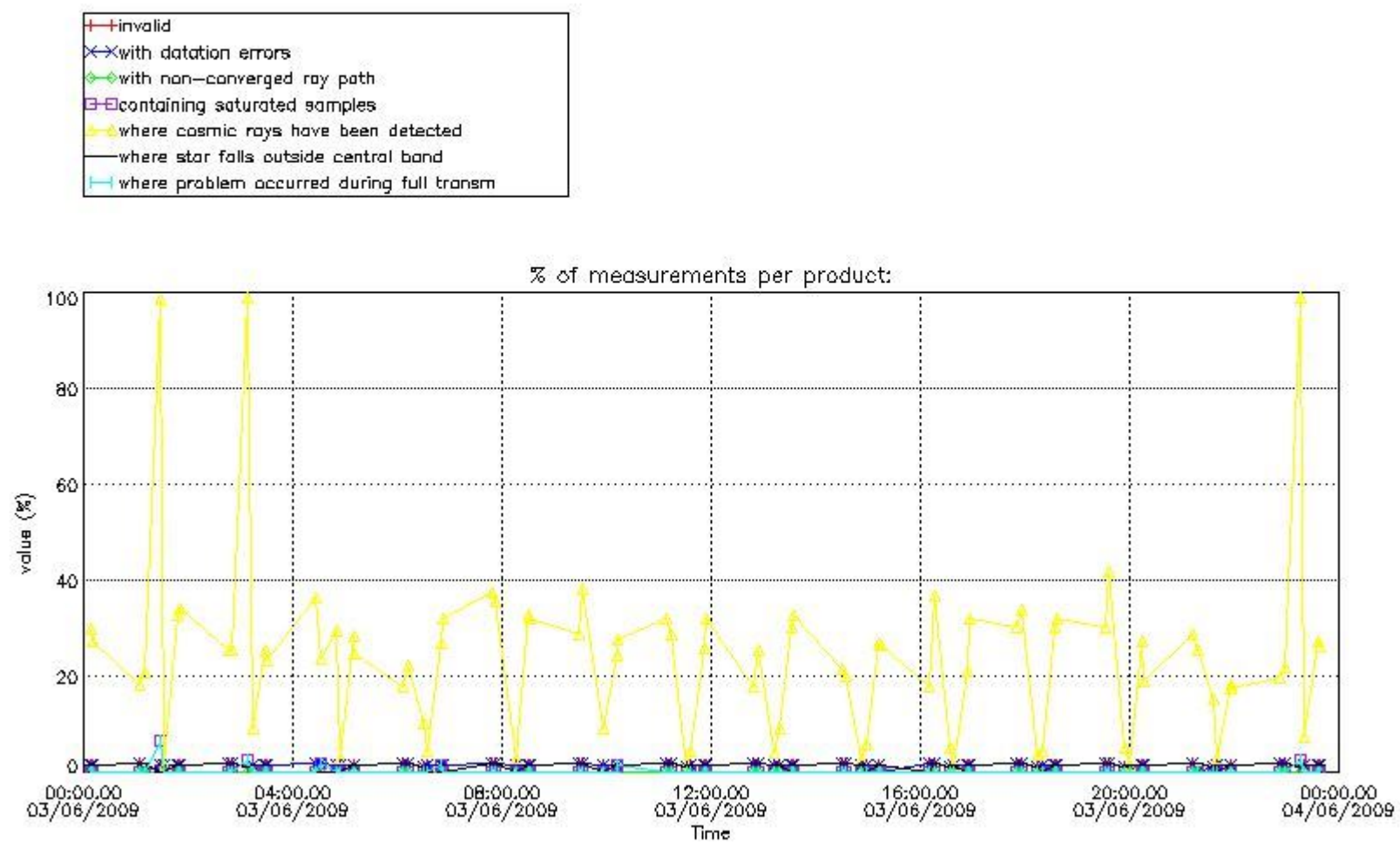


#### 4. Level 1 quality information per product

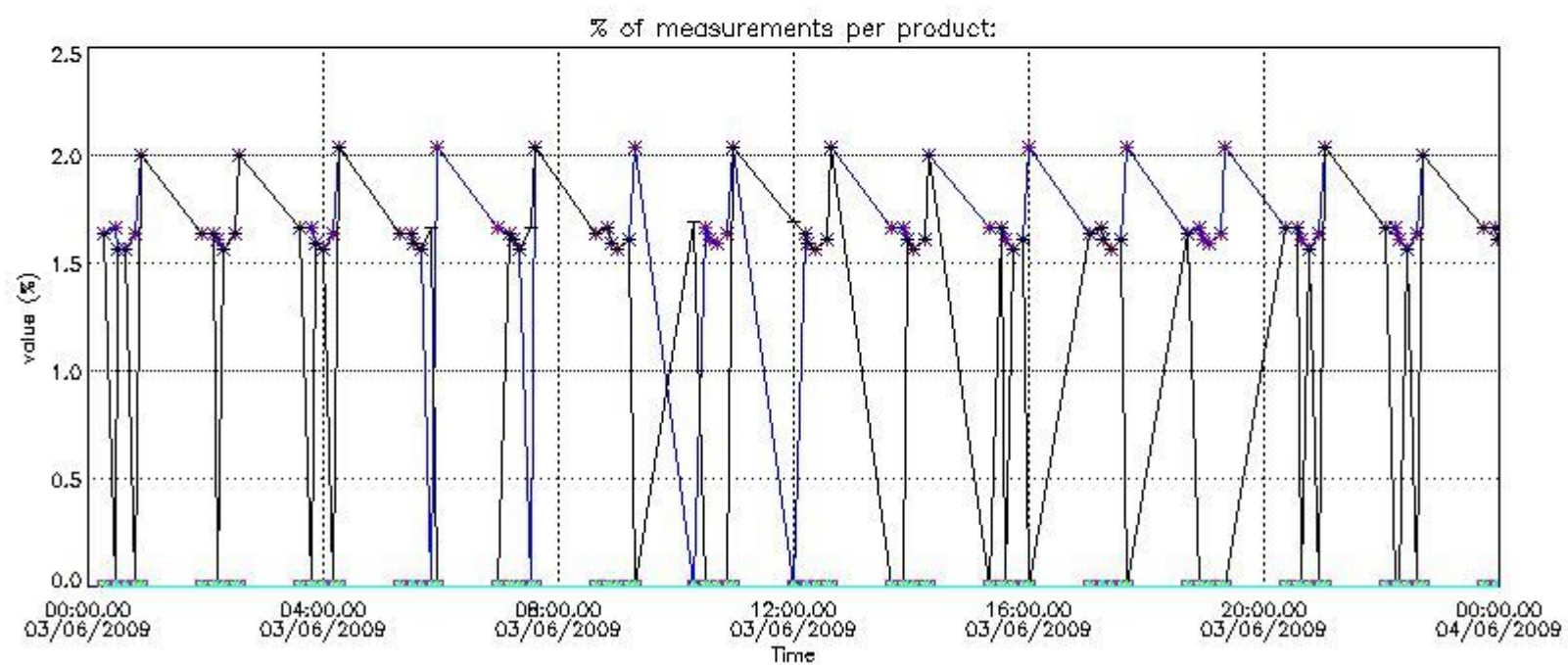
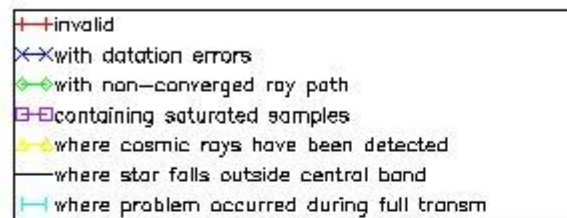
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

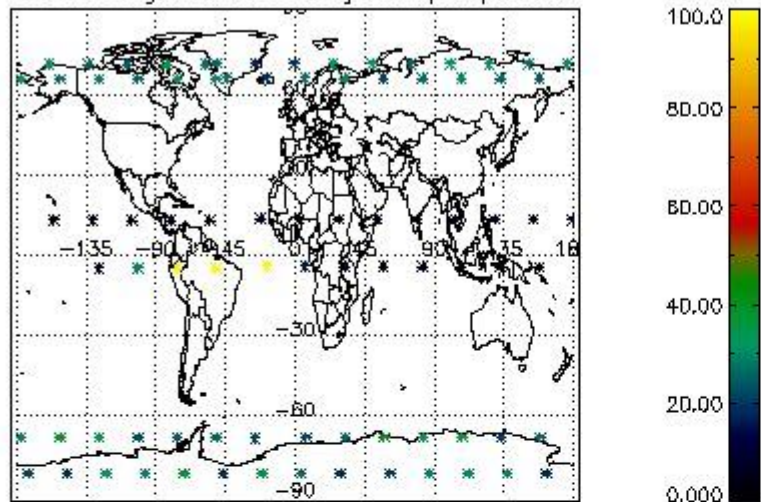


*4.2 Plot quality information per product coming from level 1b processing (world map)*

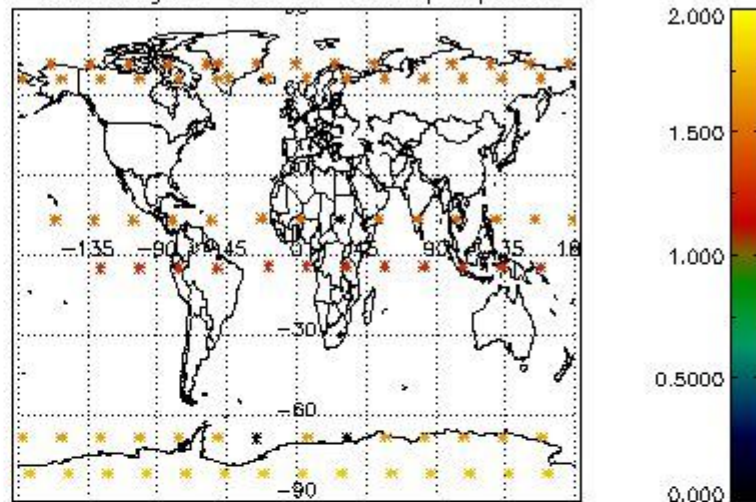
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



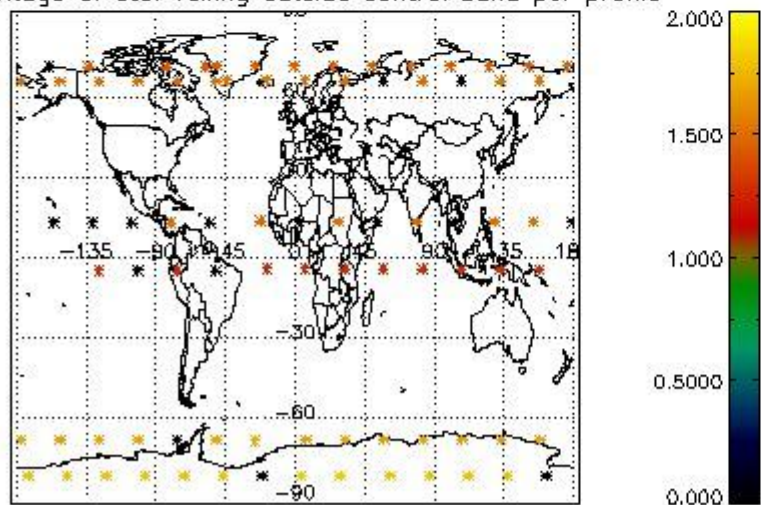
Percentage of cosmic ray hits per profile



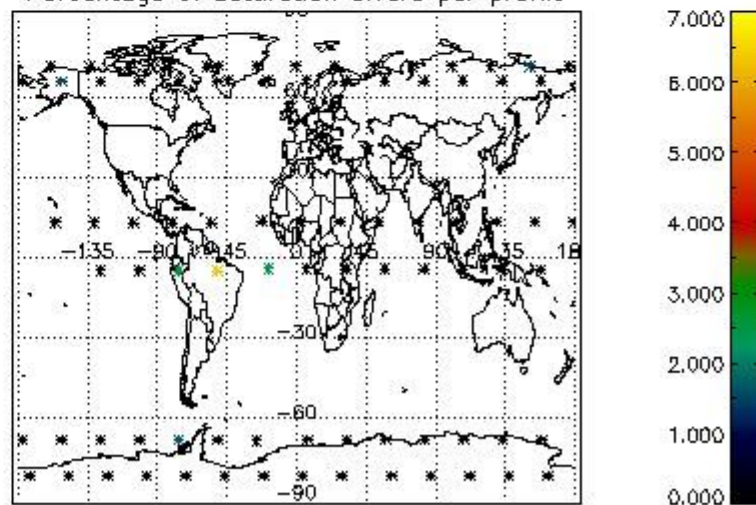
Percentage of datation errors per profile



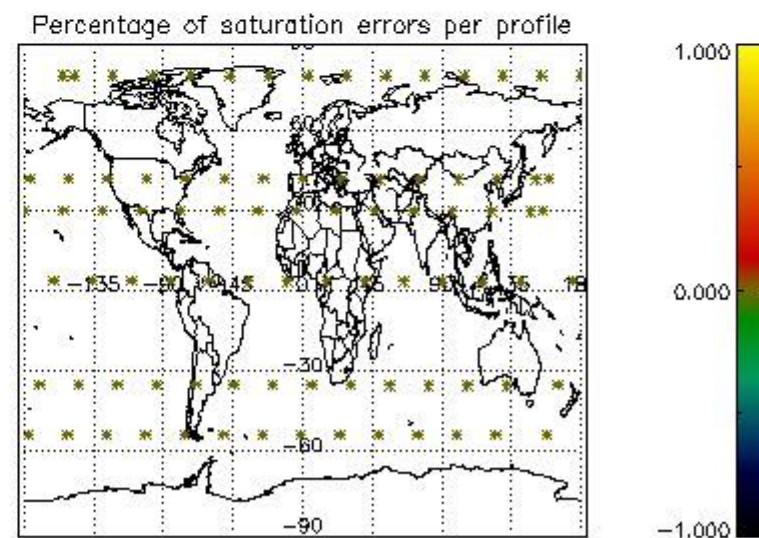
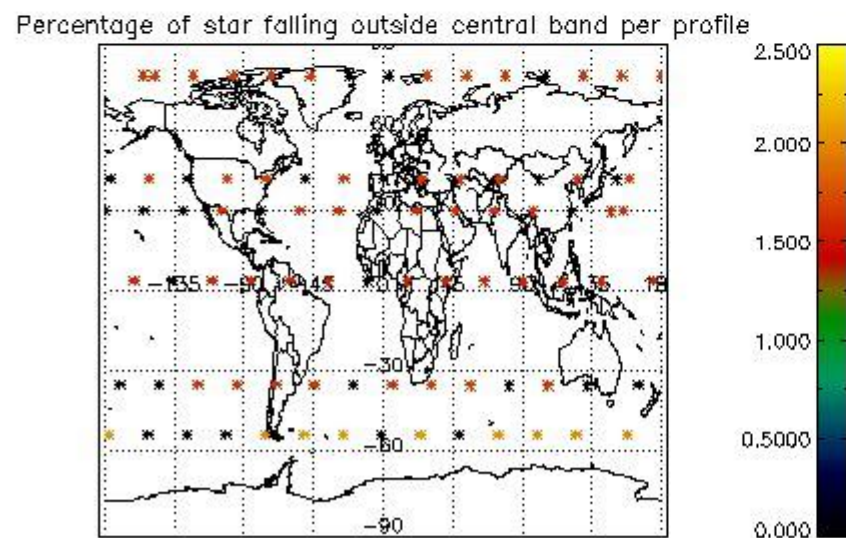
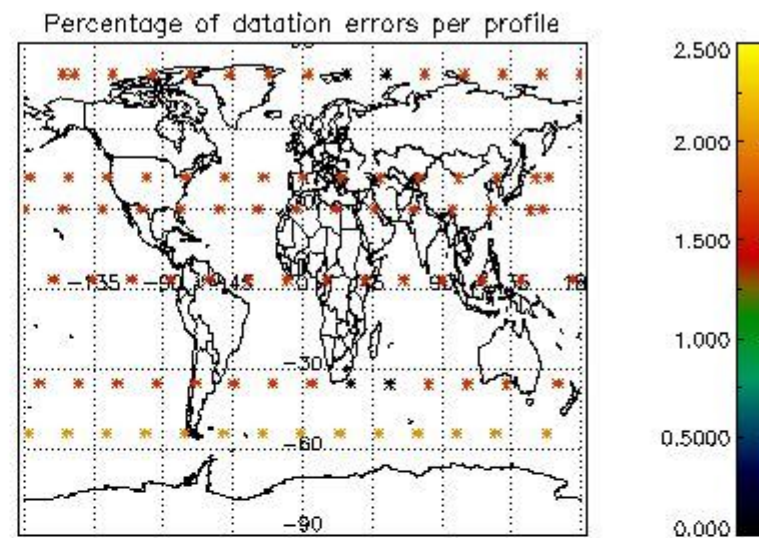
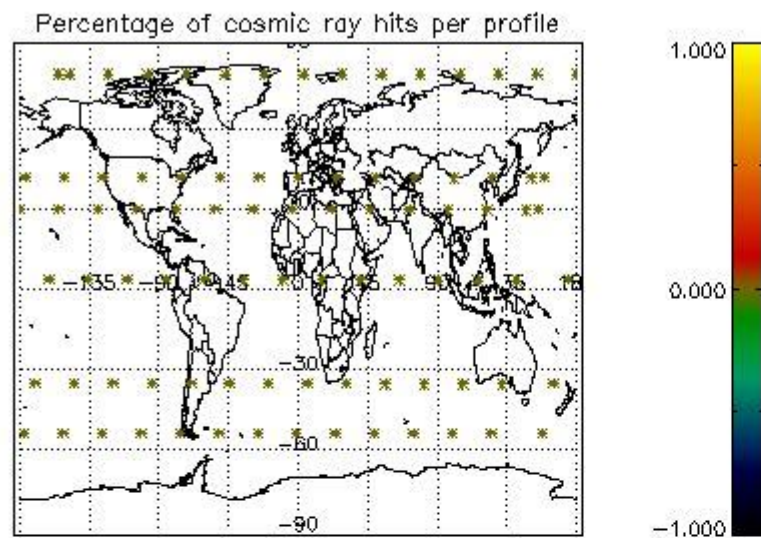
Percentage of star falling outside central band per profile



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

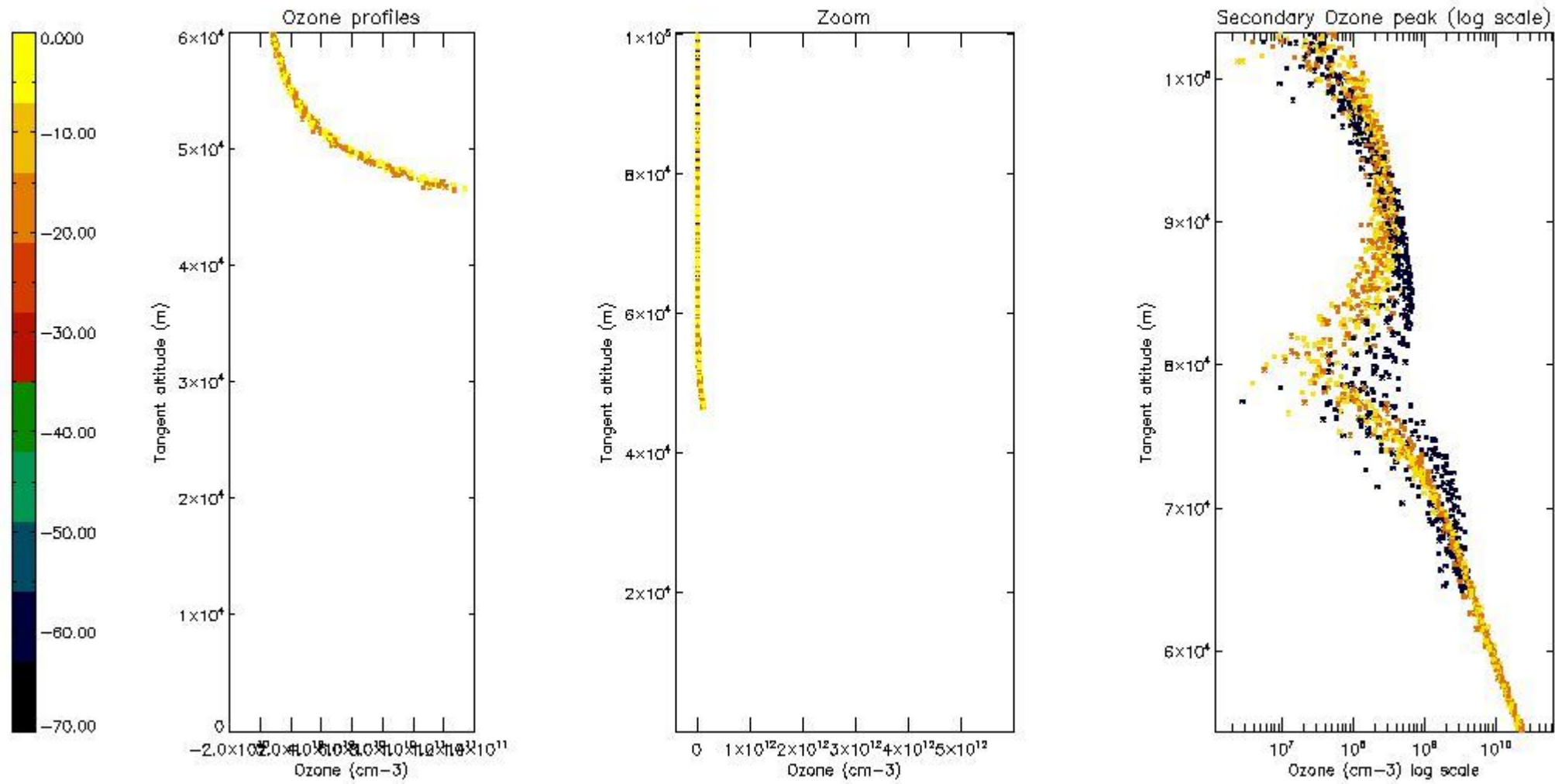
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	13

STD < 10	9
STD < 5	7

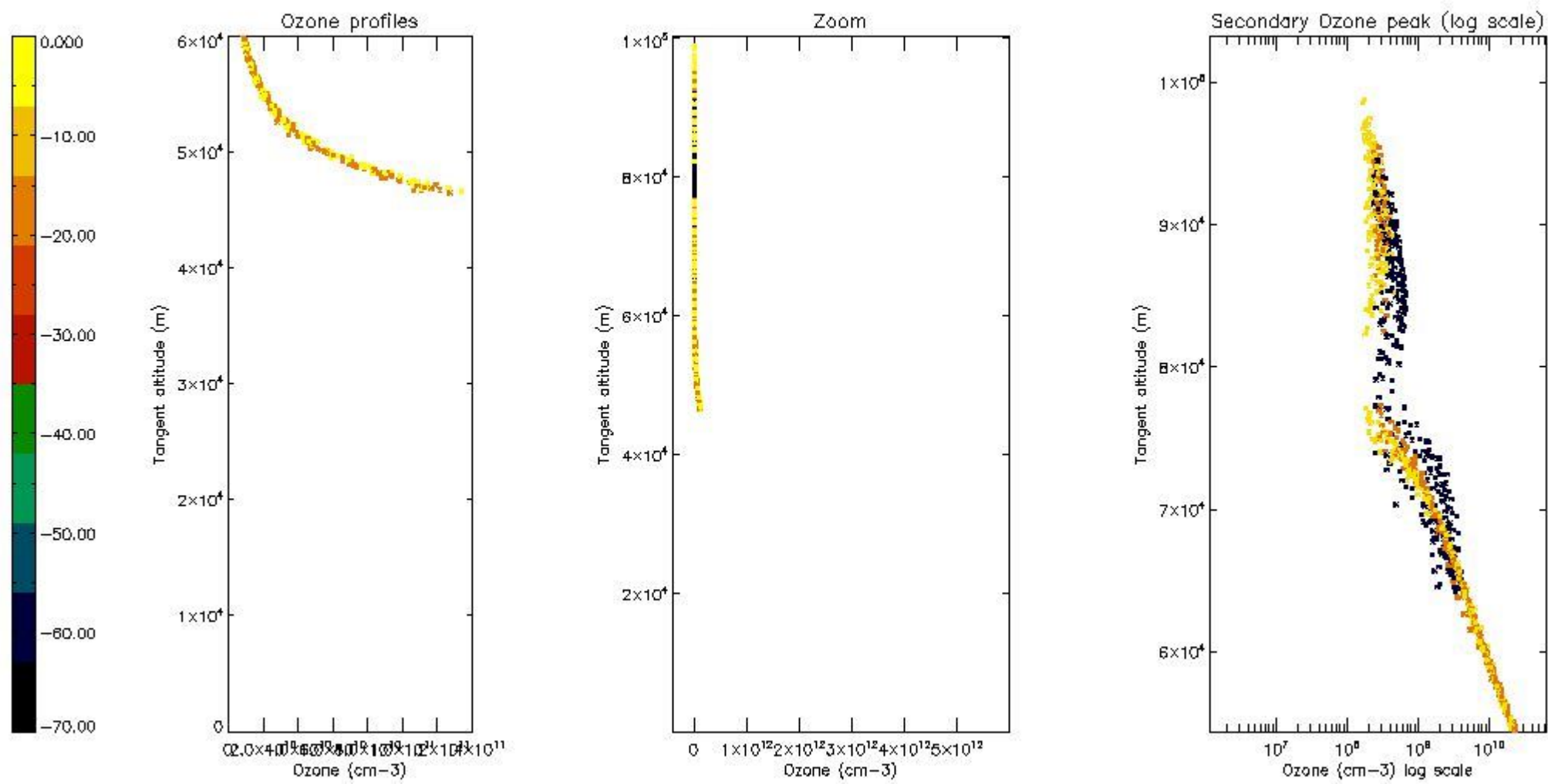
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



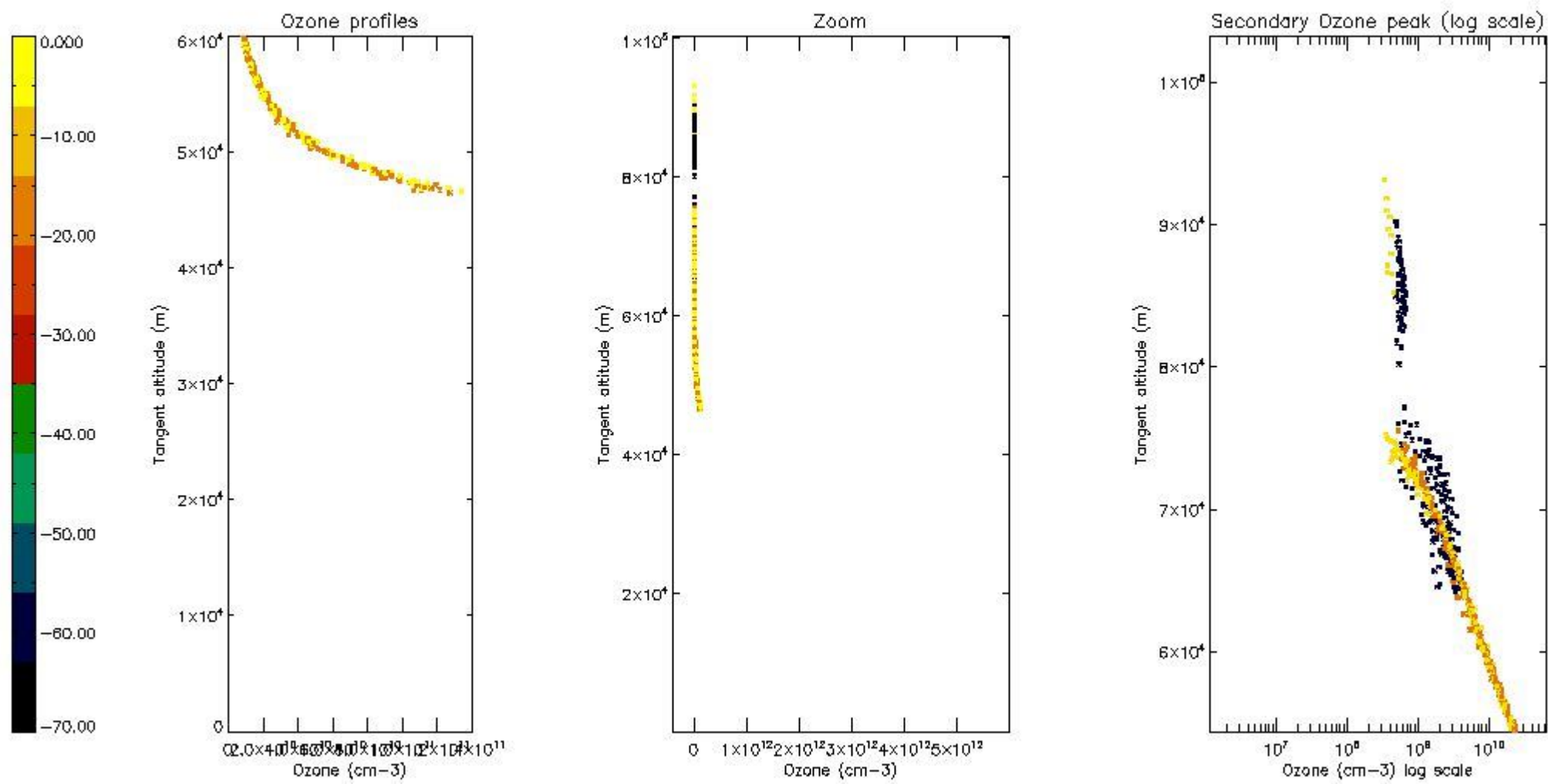
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



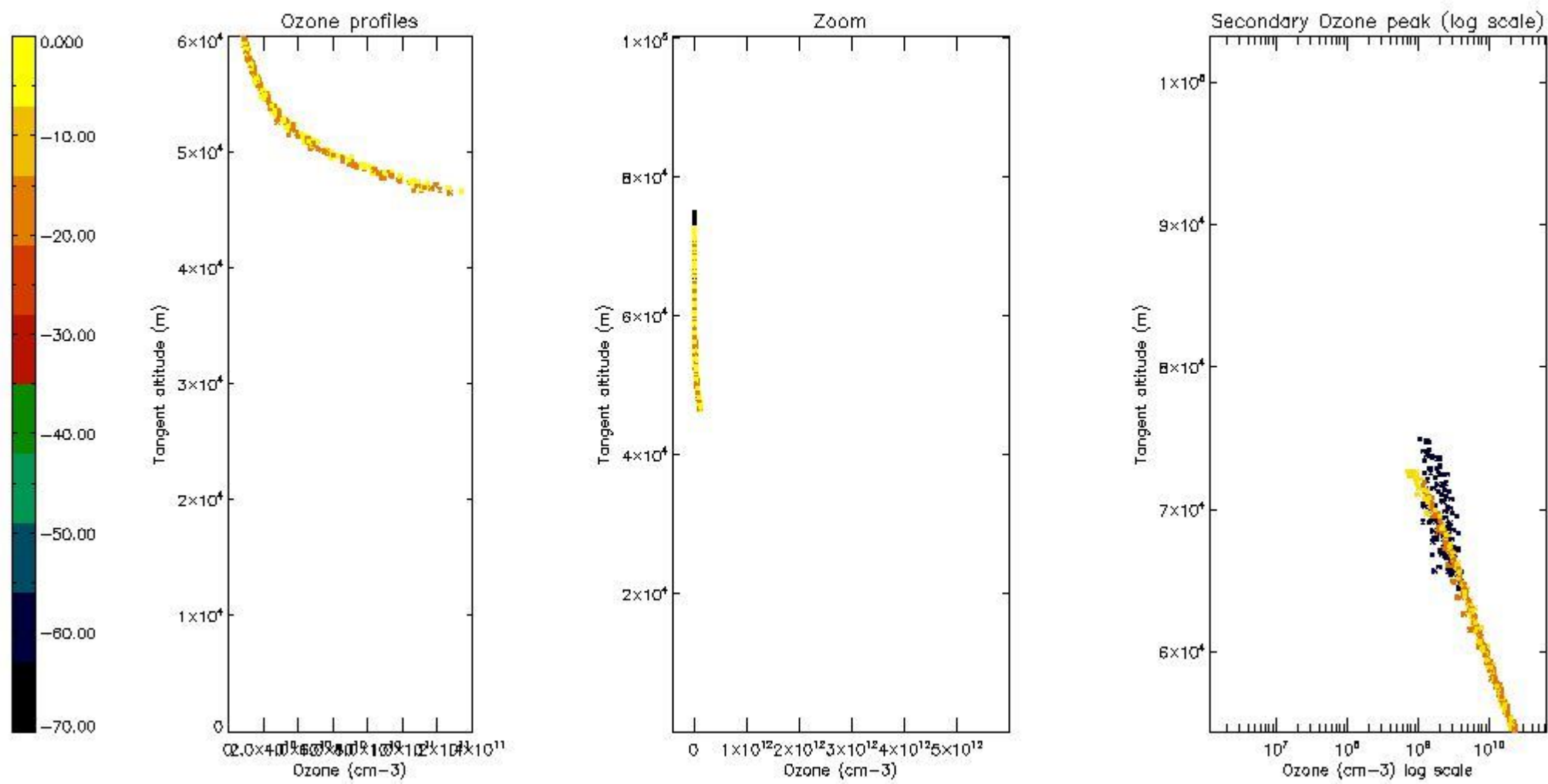
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



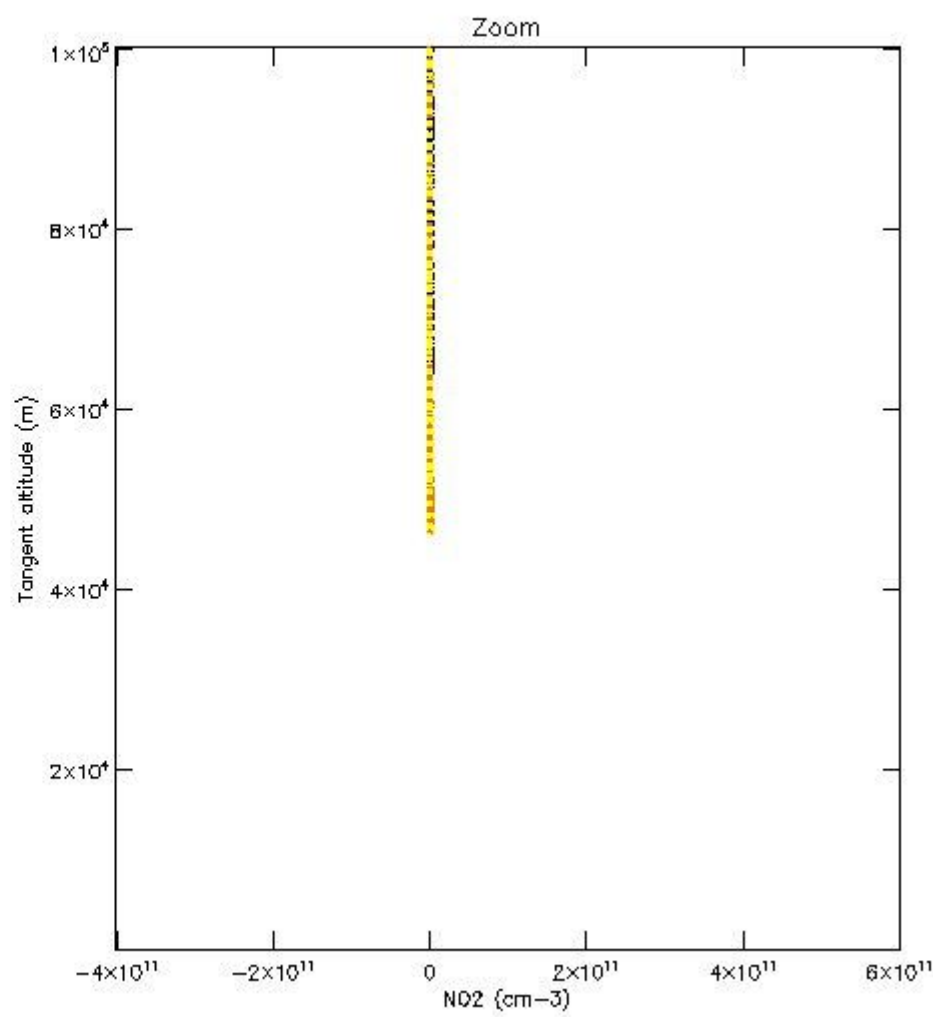
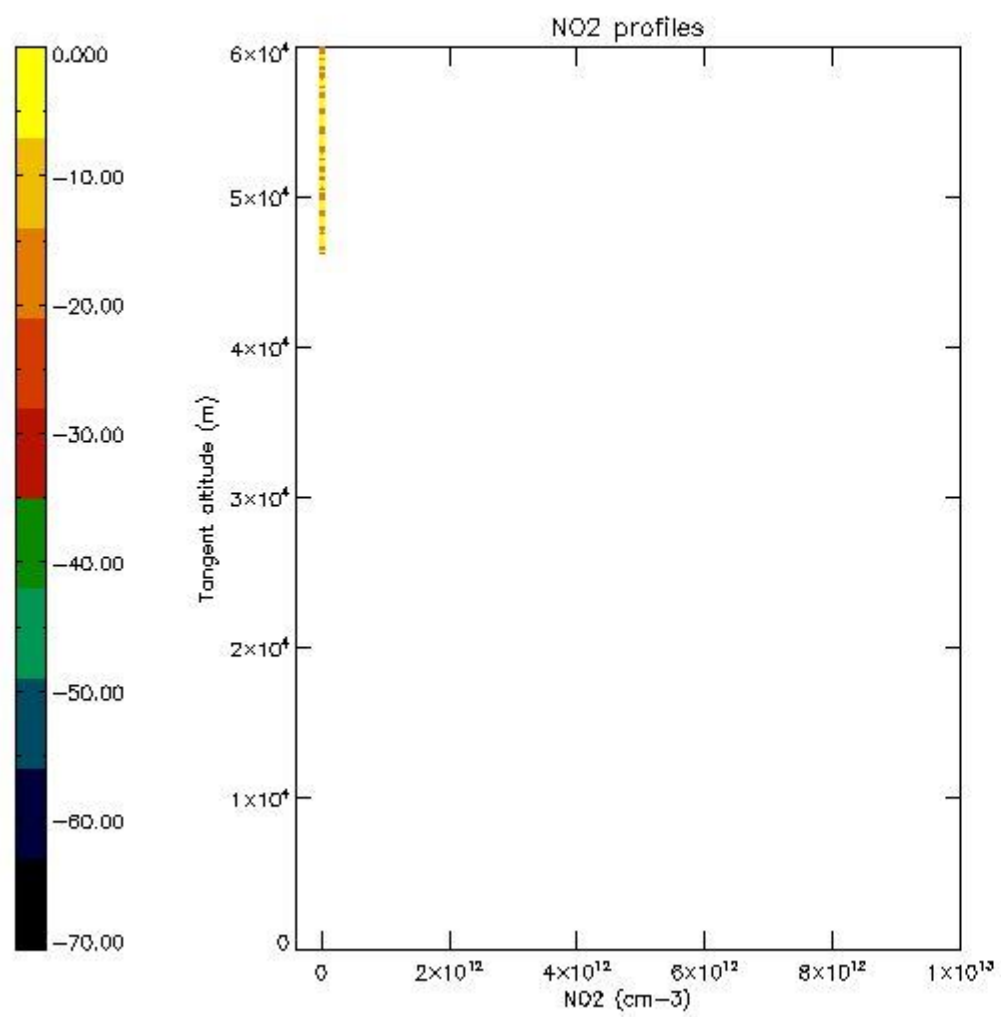
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



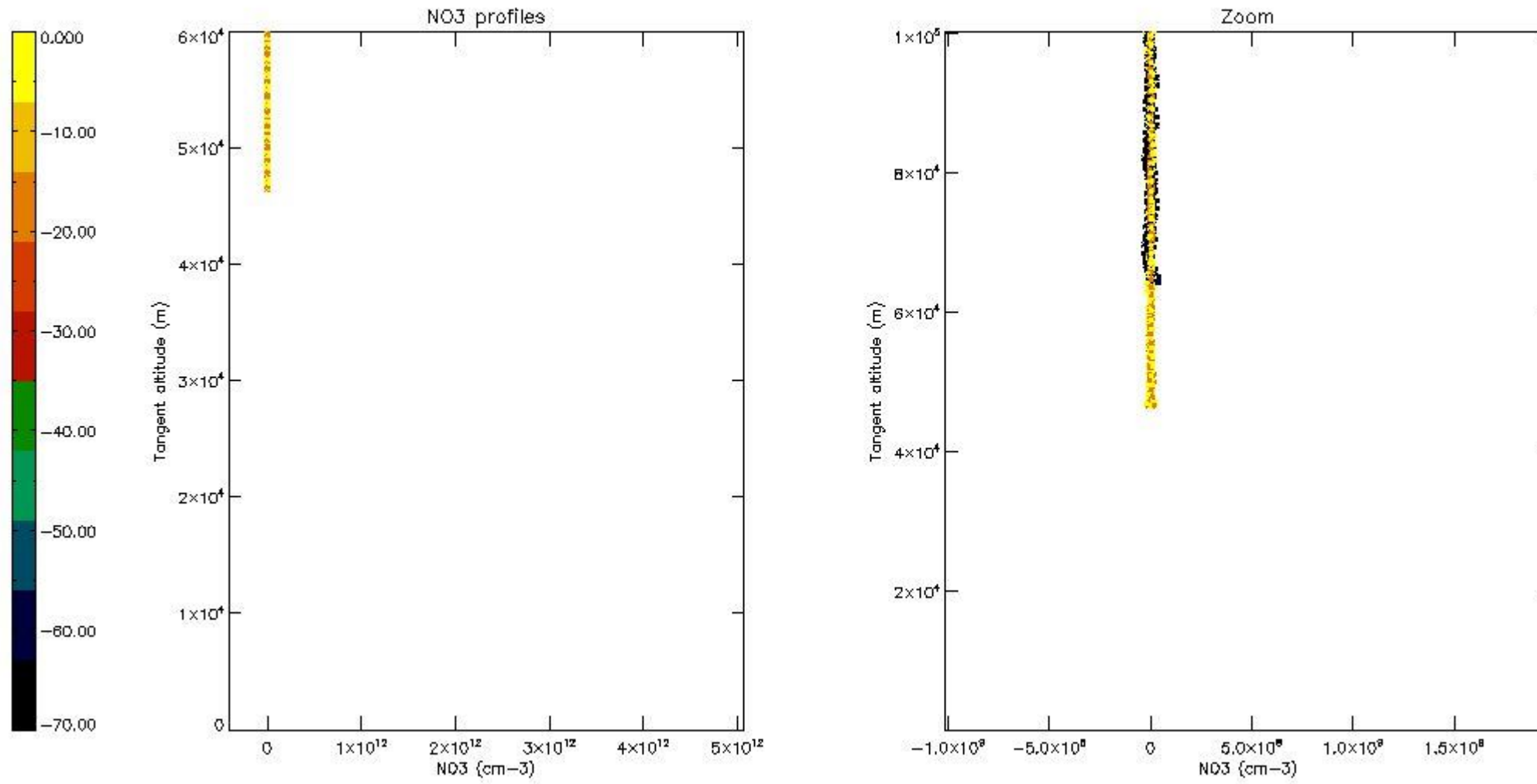
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

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	03-JUN-2009 00:07:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-JUN-2009 00:07:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-JUN-2009 00:07:24



# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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

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

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

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

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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 09:56:13
Data source version	GOMOS/6.01
Start time of products	03-06-2009 (03JUN2009 00:00:00)
Stop time of products	04-06-2009 (04JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	171
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__2PRFIN20090603_000724_000000342079_00317_37946_0175.N1	03-JUN-2009 00:07:24	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37946	No
2	GOM_NL__2PRFIN20090603_000904_000000352079_00317_37946_0176.N1	03-JUN-2009 00:09:04	Twilight	35.000	116	19Del Sgr	2.7000	4100.0	70	37946	No
3	GOM_NL__2PRFIN20090603_001517_000000312079_00317_37946_0177.N1	03-JUN-2009 00:15:17	Bright	30.500	86	35Eta Oph	2.4300	10200.	61	37946	No
4	GOM_NL__2PRFIN20090603_002716_000000302079_00317_37946_0178.N1	03-JUN-2009 00:27:16	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37946	No
5	GOM_NL__2PRFIN20090603_003037_000000322079_00317_37946_0179.N1	03-JUN-2009 00:30:37	Bright	32.000	133	40Zet Her	2.8070	6000.0	64	37946	No
6	GOM_NL__2PRFIN20090603_003802_000000322079_00317_37946_0180.N1	03-JUN-2009 00:38:02	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37946	No
7	GOM_NL__2PRFIN20090603_004854_000000312079_00317_37946_0181.N1	03-JUN-2009 00:48:54	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37946	No
8	GOM_NL__2PRFIN20090603_005410_000000252079_00317_37946_0182.N1	03-JUN-2009 00:54:10	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37946	No
9	GOM_NL__2PRFIN20090603_010445_000000282079_00317_37946_0183.N1	03-JUN-2009 01:04:45	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37946	No
10	GOM_NL__2PRFIN20090603_010951_000000292079_00317_37946_0184.N1	03-JUN-2009 01:09:51	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37946	No
11	GOM_NL__2PRFIN20090603_012755_000000392079_00317_37946_0185.N1	03-JUN-2009 01:27:55	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37946	No
12	GOM_NL__2PRFIN20090603_013256_000000342079_00318_37947_0184.N1	03-JUN-2009 01:32:56	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37947	No
13	GOM_NL__2PRFIN20090603_014801_000000342079_00318_37947_0185.N1	03-JUN-2009 01:48:01	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37947	No
14	GOM_NL__2PRFIN20090603_014941_000000352079_00318_37947_0186.N1	03-JUN-2009 01:49:41	Twilight	35.000	116	19Del Sgr	2.7000	4100.0	70	37947	No
15	GOM_NL__2PRFIN20090603_015552_000000312079_00318_37947_0187.N1	03-JUN-2009 01:55:52	Twilight	30.500	86	35Eta Oph	2.4300	10200.	61	37947	No
16	GOM_NL__2PRFIN20090603_020751_000000312079_00318_37947_0188.N1	03-JUN-2009 02:07:51	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37947	No
17	GOM_NL__2PRFIN20090603_021113_000000312079_00318_37947_0189.N1	03-JUN-2009 02:11:13	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37947	No
18	GOM_NL__2PRFIN20090603_021837_000000322079_00318_37947_0190.N1	03-JUN-2009 02:18:37	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37947	No
19	GOM_NL__2PRFIN20090603_022929_000000312079_00318_37947_0191.N1	03-JUN-2009 02:29:29	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37947	No
20	GOM_NL__2PRFIN20090603_023446_000000252079_00318_37947_0192.N1	03-JUN-2009 02:34:46	Twilight	25.000	74	11Bet Cas	2.2680	6600.0	50	37947	No
21	GOM_NL__2PRFIN20090603_024521_000000282079_00318_37947_0193.N1	03-JUN-2009 02:45:21	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37947	No
22	GOM_NL__2PRFIN20090603_025027_000000302079_00318_37947_0194.N1	03-JUN-2009 02:50:27	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37947	No
23	GOM_NL__2PRFIN20090603_030832_000000402079_00318_37947_0195.N1	03-JUN-2009 03:08:32	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37947	No
24	GOM_NL__2PRFIN20090603_031333_000000342079_00319_37948_0192.N1	03-JUN-2009 03:13:33	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37948	No
25	GOM_NL__2PRFIN20090603_032837_000000342079_00319_37948_0193.N1	03-JUN-2009 03:28:37	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37948	No
26	GOM_NL__2PRFIN20090603_033017_000000352079_00319_37948_0194.N1	03-JUN-2009 03:30:17	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37948	No
27	GOM_NL__2PRFIN20090603_033629_000000302079_00319_37948_0195.N1	03-JUN-2009 03:36:29	Twilight	30.000	86	35Eta Oph	2.4300	10200.	60	37948	No
28	GOM_NL__2PRFIN20090603_034827_000000302079_00319_37948_0196.N1	03-JUN-2009 03:48:27	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37948	No
29	GOM_NL__2PRFIN20090603_035148_000000322079_00319_37948_0197.N1	03-JUN-2009 03:51:48	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37948	No
30	GOM_NL__2PRFIN20090603_035912_000000322079_00319_37948_0198.N1	03-JUN-2009 03:59:12	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37948	No
31	GOM_NL__2PRFIN20090603_041005_000000312079_00319_37948_0199.N1	03-JUN-2009 04:10:05	Twilight	30.500	89	5Alp Cep	2.4510	8000.0	61	37948	No
32	GOM_NL__2PRFIN20090603_041522_000000252079_00319_37948_0200.N1	03-JUN-2009 04:15:22	Twilight	24.500	74	11Bet Cas	2.2680	6600.0	49	37948	No
33	GOM_NL__2PRFIN20090603_042557_000000282079_00319_37948_0201.N1	03-JUN-2009 04:25:57	Twilight	27.500	58	21Alp And	2.0730	11000.	55	37948	No
34	GOM_NL__2PRFIN20090603_043104_000000302079_00319_37948_0202.N1	03-JUN-2009 04:31:04	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37948	No
35	GOM_NL__2PRFIN20090603_044909_000000392079_00319_37948_0203.N1	03-JUN-2009 04:49:09	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37948	No
36	GOM_NL__2PRFIN20090603_045410_000000342079_00320_37949_0222.N1	03-JUN-2009 04:54:10	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37949	No
37	GOM_NL__2PRFIN20090603_050914_000000342079_00320_37949_0223.N1	03-JUN-2009 05:09:14	Twilight	33.500	38	20Eps Sgr	1.8360	11000.	67	37949	No
38	GOM_NL__2PRFIN20090603_051054_000000352079_00320_37949_0224.N1	03-JUN-2009 05:10:54	Twilight	34.500	116	19Del Sgr	2.7000	4100.0	69	37949	No
39	GOM_NL__2PRFIN20090603_051705_000000312079_00320_37949_0225.N1	03-JUN-2009 05:17:05	Bright	30.500	86	35Eta Oph	2.4300	10200.	61	37949	No
40	GOM_NL__2PRFIN20090603_052902_000000312079_00320_37949_0226.N1	03-JUN-2009 05:29:02	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37949	No
41	GOM_NL__2PRFIN20090603_053224_000000322079_00320_37949_0227.N1	03-JUN-2009 05:32:24	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37949	No
42	GOM_NL__2PRFIN20090603_053948_000000322079_00320_37949_0228.N1	03-JUN-2009 05:39:48	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37949	No

43	GOM_NL__2PRFIN20090603_055040_000000302079_00320_37949_0229.N1	03-JUN-2009 05:50:40	Tw_i_and_stray	30.000	89	5Alp Cep	2.4510	8000.0	60	37949	No
44	GOM_NL__2PRFIN20090603_055558_000000252079_00320_37949_0230.N1	03-JUN-2009 05:55:58	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37949	No
45	GOM_NL__2PRFIN20090603_060633_000000282079_00320_37949_0231.N1	03-JUN-2009 06:06:33	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37949	No
46	GOM_NL__2PRFIN20090603_061140_000000302079_00320_37949_0232.N1	03-JUN-2009 06:11:40	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37949	No
47	GOM_NL__2PRFIN20090603_062947_000000402079_00320_37949_0233.N1	03-JUN-2009 06:29:47	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37949	No
48	GOM_NL__2PRFIN20090603_063447_000000342079_00321_37950_0255.N1	03-JUN-2009 06:34:47	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37950	No
49	GOM_NL__2PRFIN20090603_064950_000000342079_00321_37950_0256.N1	03-JUN-2009 06:49:50	Tw_i_and_stray	33.500	38	20Eps Sgr	1.8360	11000.	67	37950	No
50	GOM_NL__2PRFIN20090603_065130_000000352079_00321_37950_0257.N1	03-JUN-2009 06:51:30	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37950	No
51	GOM_NL__2PRFIN20090603_065741_000000302079_00321_37950_0258.N1	03-JUN-2009 06:57:41	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37950	No
52	GOM_NL__2PRFIN20090603_070938_000000312079_00321_37950_0259.N1	03-JUN-2009 07:09:38	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37950	No
53	GOM_NL__2PRFIN20090603_071300_000000312079_00321_37950_0260.N1	03-JUN-2009 07:13:00	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37950	No
54	GOM_NL__2PRFIN20090603_072023_000000322079_00321_37950_0261.N1	03-JUN-2009 07:20:23	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37950	No
55	GOM_NL__2PRFIN20090603_073116_000000302079_00321_37950_0262.N1	03-JUN-2009 07:31:16	Tw_i_and_stray	30.000	89	5Alp Cep	2.4510	8000.0	60	37950	No
56	GOM_NL__2PRFIN20090603_073633_000000252079_00321_37950_0263.N1	03-JUN-2009 07:36:33	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37950	No
57	GOM_NL__2PRFIN20090603_074709_000000282079_00321_37950_0264.N1	03-JUN-2009 07:47:09	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37950	No
58	GOM_NL__2PRFIN20090603_075217_000000302079_00321_37950_0265.N1	03-JUN-2009 07:52:17	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37950	No
59	GOM_NL__2PRFIN20090603_081524_000000332079_00322_37951_0269.N1	03-JUN-2009 08:15:24	Dark	33.000	31	Alp Gru	1.7340	15200.	66	37951	No
60	GOM_NL__2PRFIN20090603_083027_000000342079_00322_37951_0270.N1	03-JUN-2009 08:30:27	Tw_i_and_stray	33.500	38	20Eps Sgr	1.8360	11000.	67	37951	No
61	GOM_NL__2PRFIN20090603_083207_000000352079_00322_37951_0271.N1	03-JUN-2009 08:32:07	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37951	No
62	GOM_NL__2PRFIN20090603_083817_000000312079_00322_37951_0272.N1	03-JUN-2009 08:38:17	Bright	30.500	86	35Eta Oph	2.4300	10200.	61	37951	No
63	GOM_NL__2PRFIN20090603_085014_000000302079_00322_37951_0273.N1	03-JUN-2009 08:50:14	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37951	No
64	GOM_NL__2PRFIN20090603_085335_000000322079_00322_37951_0274.N1	03-JUN-2009 08:53:35	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37951	No
65	GOM_NL__2PRFIN20090603_090058_000000322079_00322_37951_0275.N1	03-JUN-2009 09:00:58	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37951	No
66	GOM_NL__2PRFIN20090603_091151_000000312079_00322_37951_0276.N1	03-JUN-2009 09:11:51	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37951	No
67	GOM_NL__2PRFIN20090603_091709_000000252079_00322_37951_0277.N1	03-JUN-2009 09:17:09	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37951	No
68	GOM_NL__2PRFIN20090603_092746_000000282079_00322_37951_0278.N1	03-JUN-2009 09:27:46	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37951	No
69	GOM_NL__2PRFIN20090603_093253_000000302079_00322_37951_0279.N1	03-JUN-2009 09:32:53	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37951	No
70	GOM_NL__2PRFIN20090603_095601_000000342079_00323_37952_0283.N1	03-JUN-2009 09:56:01	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37952	No
71	GOM_NL__2PRFIN20090603_101103_000000332079_00323_37952_0284.N1	03-JUN-2009 10:11:03	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37952	No
72	GOM_NL__2PRFIN20090603_101243_000000352079_00323_37952_0285.N1	03-JUN-2009 10:12:43	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37952	No
73	GOM_NL__2PRFIN20090603_101853_000000302079_00323_37952_0286.N1	03-JUN-2009 10:18:53	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37952	No
74	GOM_NL__2PRFIN20090603_103049_000000302079_00323_37952_0287.N1	03-JUN-2009 10:30:49	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37952	No
75	GOM_NL__2PRFIN20090603_103410_000000312079_00323_37952_0288.N1	03-JUN-2009 10:34:10	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37952	No
76	GOM_NL__2PRFIN20090603_104134_000000322079_00323_37952_0289.N1	03-JUN-2009 10:41:34	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37952	No
77	GOM_NL__2PRFIN20090603_105226_000000312079_00323_37952_0290.N1	03-JUN-2009 10:52:26	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37952	No
78	GOM_NL__2PRFIN20090603_105745_000000252079_00323_37952_0291.N1	03-JUN-2009 10:57:45	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37952	No
79	GOM_NL__2PRFIN20090603_110822_000000282079_00323_37952_0292.N1	03-JUN-2009 11:08:22	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37952	No
80	GOM_NL__2PRFIN20090603_111330_000000302079_00323_37952_0293.N1	03-JUN-2009 11:13:30	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37952	No
81	GOM_NL__2PRFIN20090603_113138_000000402079_00323_37952_0294.N1	03-JUN-2009 11:31:38	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37952	No
82	GOM_NL__2PRFIN20090603_113638_000000342079_00324_37953_0298.N1	03-JUN-2009 11:36:38	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37953	No
83	GOM_NL__2PRFIN20090603_115140_000000332079_00324_37953_0299.N1	03-JUN-2009 11:51:40	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37953	No
84	GOM_NL__2PRFIN20090603_115319_000000352079_00324_37953_0300.N1	03-JUN-2009 11:53:19	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37953	No
85	GOM_NL__2PRFIN20090603_115929_000000302079_00324_37953_0301.N1	03-JUN-2009 11:59:29	Tw_i_and_stray	29.500	86	35Eta Oph	2.4300	10200.	59	37953	No
86	GOM_NL__2PRFIN20090603_121125_000000312079_00324_37953_0302.N1	03-JUN-2009 12:11:25	Bright	30.500	127	27Bet Her	2.7810	4700.0	61	37953	No
87	GOM_NL__2PRFIN20090603_121446_000000322079_00324_37953_0303.N1	03-JUN-2009 12:14:46	Bright	31.500	133	40Zet Her	2.8070	6000.0	63	37953	No
88	GOM_NL__2PRFIN20090603_122209_000000322079_00324_37953_0304.N1	03-JUN-2009 12:22:09	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37953	No
89	GOM_NL__2PRFIN20090603_123301_000000312079_00324_37953_0305.N1	03-JUN-2009 12:33:01	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37953	No
90	GOM_NL__2PRFIN20090603_123821_000000252079_00324_37953_0306.N1	03-JUN-2009 12:38:21	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37953	No
91	GOM_NL__2PRFIN20090603_124858_000000282079_00324_37953_0307.N1	03-JUN-2009 12:48:58	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37953	No
92	GOM_NL__2PRFIN20090603_125406_000000302079_00324_37953_0308.N1	03-JUN-2009 12:54:06	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37953	No
93	GOM_NL__2PRFIN20090603_131216_000000392079_00324_37953_0309.N1	03-JUN-2009 13:12:16	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37953	No
94	GOM_NL__2PRFIN20090603_131715_000000342079_00325_37954_0312.N1	03-JUN-2009 13:17:15	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37954	No
95	GOM_NL__2PRFIN20090603_133216_000000332079_00325_37954_0313.N1	03-JUN-2009 13:32:16	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37954	No
96	GOM_NL__2PRFIN20090603_133355_000000352079_00325_37954_0314.N1	03-JUN-2009 13:33:55	Tw_i_and_stray	35.000	116	19Del Sgr	2.7000	4100.0	70	37954	No
97	GOM_NL__2PRFIN20090603_134005_000000302079_00325_37954_0315.N1	03-JUN-2009 13:40:05	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37954	No
98	GOM_NL__2PRFIN20090603_135200_000000302079_00325_37954_0316.N1	03-JUN-2009 13:52:00	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37954	No
99	GOM_NL__2PRFIN20090603_135522_000000312079_00325_37954_0317.N1	03-JUN-2009 13:55:22	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37954	No
100	GOM_NL__2PRFIN20090603_140244_000000322079_00325_37954_0318.N1	03-JUN-2009 14:02:44	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37954	No
101	GOM_NL__2PRFIN20090603_141336_000000312079_00325_37954_0319.N1	03-JUN-2009 14:13:36	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37954	No

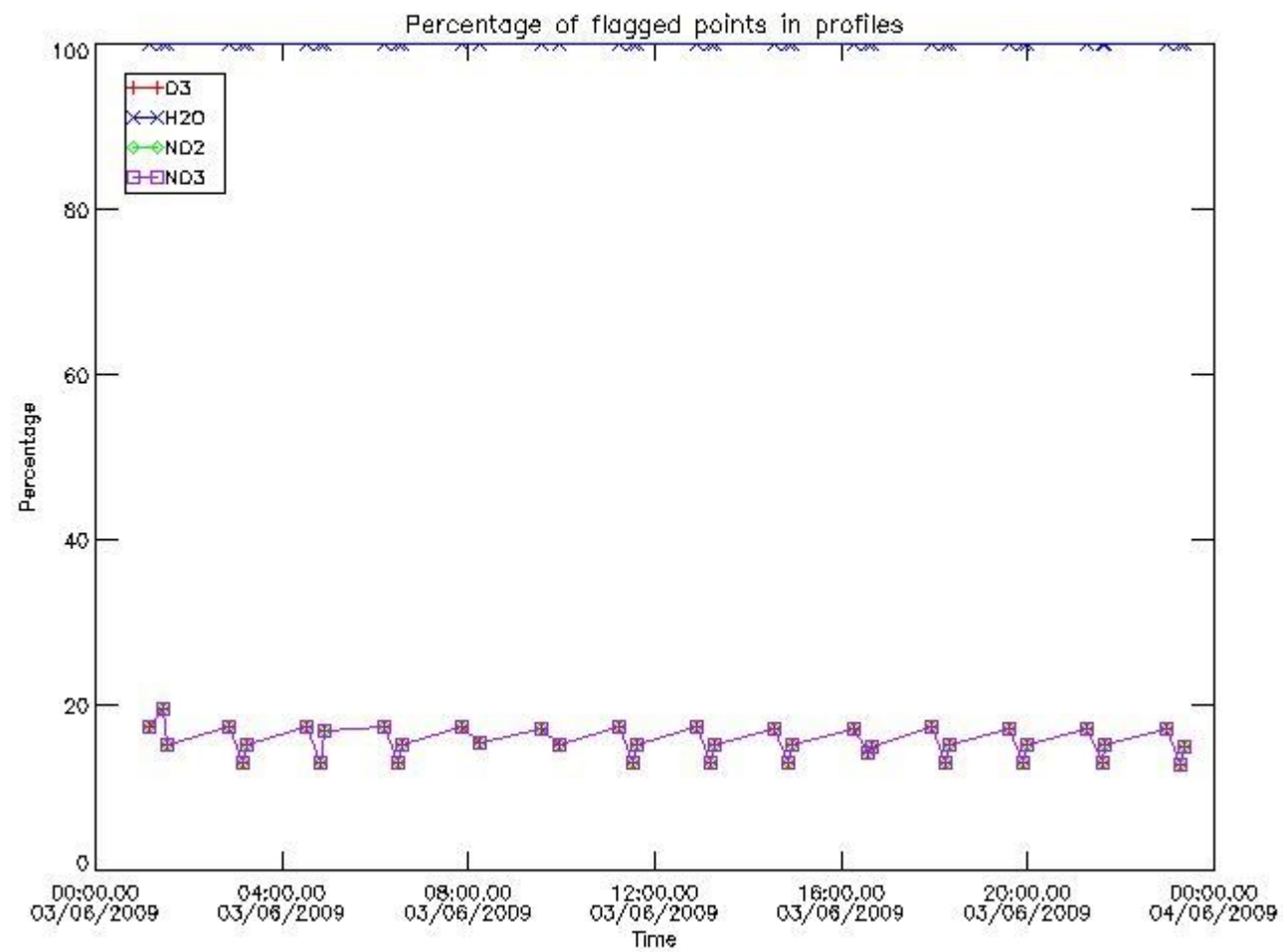
102	GOM_NL__2PRFIN20090603_141856_000000252079_00325_37954_0320.N1	03-JUN-2009 14:18:56	Tw_i_and_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37954	No
103	GOM_NL__2PRFIN20090603_142934_000000282079_00325_37954_0321.N1	03-JUN-2009 14:29:34	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37954	No
104	GOM_NL__2PRFIN20090603_143442_000000302079_00325_37954_0322.N1	03-JUN-2009 14:34:42	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37954	No
105	GOM_NL__2PRFIN20090603_145253_000000392079_00325_37954_0323.N1	03-JUN-2009 14:52:53	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37954	No
106	GOM_NL__2PRFIN20090603_145751_000000342079_00326_37955_0328.N1	03-JUN-2009 14:57:51	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37955	No
107	GOM_NL__2PRFIN20090603_151252_000000342079_00326_37955_0329.N1	03-JUN-2009 15:12:52	Tw_i_and_stray	33.500	38	20Eps Sgr	1.8360	11000.	67	37955	No
108	GOM_NL__2PRFIN20090603_151432_000000342079_00326_37955_0330.N1	03-JUN-2009 15:14:32	Tw_i_and_stray	34.000	116	19Del Sgr	2.7000	4100.0	68	37955	No
109	GOM_NL__2PRFIN20090603_152041_000000302079_00326_37955_0331.N1	03-JUN-2009 15:20:41	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37955	No
110	GOM_NL__2PRFIN20090603_153236_000000302079_00326_37955_0332.N1	03-JUN-2009 15:32:36	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37955	No
111	GOM_NL__2PRFIN20090603_153557_000000312079_00326_37955_0333.N1	03-JUN-2009 15:35:57	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37955	No
112	GOM_NL__2PRFIN20090603_154320_000000322079_00326_37955_0334.N1	03-JUN-2009 15:43:20	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37955	No
113	GOM_NL__2PRFIN20090603_155412_000000312079_00326_37955_0335.N1	03-JUN-2009 15:54:12	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37955	No
114	GOM_NL__2PRFIN20090603_155932_000000252079_00326_37955_0336.N1	03-JUN-2009 15:59:32	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37955	No
115	GOM_NL__2PRFIN20090603_161010_000000282079_00326_37955_0337.N1	03-JUN-2009 16:10:10	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37955	No
116	GOM_NL__2PRFIN20090603_161519_000000302079_00326_37955_0338.N1	03-JUN-2009 16:15:19	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37955	No
117	GOM_NL__2PRFIN20090603_163330_000000402079_00326_37955_0339.N1	03-JUN-2009 16:33:30	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37955	No
118	GOM_NL__2PRFIN20090603_163828_000000342079_00327_37956_0342.N1	03-JUN-2009 16:38:28	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37956	No
119	GOM_NL__2PRFIN20090603_165329_000000332079_00327_37956_0343.N1	03-JUN-2009 16:53:29	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37956	No
120	GOM_NL__2PRFIN20090603_165509_000000352079_00327_37956_0344.N1	03-JUN-2009 16:55:09	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37956	No
121	GOM_NL__2PRFIN20090603_170117_000000312079_00327_37956_0345.N1	03-JUN-2009 17:01:17	Tw_i_and_stray	30.500	86	35Eta Oph	2.4300	10200.	61	37956	No
122	GOM_NL__2PRFIN20090603_171312_000000302079_00327_37956_0346.N1	03-JUN-2009 17:13:12	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37956	No
123	GOM_NL__2PRFIN20090603_171633_000000312079_00327_37956_0347.N1	03-JUN-2009 17:16:33	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37956	No
124	GOM_NL__2PRFIN20090603_172355_000000322079_00327_37956_0348.N1	03-JUN-2009 17:23:55	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37956	No
125	GOM_NL__2PRFIN20090603_173447_000000312079_00327_37956_0349.N1	03-JUN-2009 17:34:47	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	37956	No
126	GOM_NL__2PRFIN20090603_174008_000000252079_00327_37956_0350.N1	03-JUN-2009 17:40:08	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37956	No
127	GOM_NL__2PRFIN20090603_175046_000000282079_00327_37956_0351.N1	03-JUN-2009 17:50:46	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37956	No
128	GOM_NL__2PRFIN20090603_175556_000000302079_00327_37956_0352.N1	03-JUN-2009 17:55:56	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37956	No
129	GOM_NL__2PRFIN20090603_181407_000000402079_00327_37956_0353.N1	03-JUN-2009 18:14:07	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37956	No
130	GOM_NL__2PRFIN20090603_181905_000000342079_00328_37957_0358.N1	03-JUN-2009 18:19:05	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37957	No
131	GOM_NL__2PRFIN20090603_183406_000000332079_00328_37957_0359.N1	03-JUN-2009 18:34:06	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37957	No
132	GOM_NL__2PRFIN20090603_183545_000000352079_00328_37957_0360.N1	03-JUN-2009 18:35:45	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37957	No
133	GOM_NL__2PRFIN20090603_184153_000000312079_00328_37957_0361.N1	03-JUN-2009 18:41:53	Tw_i_and_stray	30.500	86	35Eta Oph	2.4300	10200.	61	37957	No
134	GOM_NL__2PRFIN20090603_185347_000000302079_00328_37957_0362.N1	03-JUN-2009 18:53:47	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37957	No
135	GOM_NL__2PRFIN20090603_185708_000000312079_00328_37957_0363.N1	03-JUN-2009 18:57:08	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37957	No
136	GOM_NL__2PRFIN20090603_190431_000000322079_00328_37957_0364.N1	03-JUN-2009 19:04:31	Bright	31.500	130	23Bet Dra	2.7990	5800.0	63	37957	No
137	GOM_NL__2PRFIN20090603_191523_000000312079_00328_37957_0365.N1	03-JUN-2009 19:15:23	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37957	No
138	GOM_NL__2PRFIN20090603_192044_000000252079_00328_37957_0366.N1	03-JUN-2009 19:20:44	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37957	No
139	GOM_NL__2PRFIN20090603_193122_000000282079_00328_37957_0367.N1	03-JUN-2009 19:31:22	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37957	No
140	GOM_NL__2PRFIN20090603_193632_000000302079_00328_37957_0368.N1	03-JUN-2009 19:36:32	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37957	No
141	GOM_NL__2PRFIN20090603_195445_000000402079_00328_37957_0369.N1	03-JUN-2009 19:54:45	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37957	No
142	GOM_NL__2PRFIN20090603_195942_000000332079_00329_37958_0376.N1	03-JUN-2009 19:59:42	Dark	33.000	31	Alp Gru	1.7340	15200.	66	37958	No
143	GOM_NL__2PRFIN20090603_201442_000000332079_00329_37958_0377.N1	03-JUN-2009 20:14:42	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37958	No
144	GOM_NL__2PRFIN20090603_201621_000000352079_00329_37958_0378.N1	03-JUN-2009 20:16:21	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37958	No
145	GOM_NL__2PRFIN20090603_202229_000000302079_00329_37958_0379.N1	03-JUN-2009 20:22:29	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37958	No
146	GOM_NL__2PRFIN20090603_203423_000000302079_00329_37958_0380.N1	03-JUN-2009 20:34:23	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37958	No
147	GOM_NL__2PRFIN20090603_203744_000000312079_00329_37958_0381.N1	03-JUN-2009 20:37:44	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37958	No
148	GOM_NL__2PRFIN20090603_204506_000000322079_00329_37958_0382.N1	03-JUN-2009 20:45:06	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37958	No
149	GOM_NL__2PRFIN20090603_205558_000000312079_00329_37958_0383.N1	03-JUN-2009 20:55:58	Tw_i_and_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37958	No
150	GOM_NL__2PRFIN20090603_210119_000000252079_00329_37958_0384.N1	03-JUN-2009 21:01:19	Tw_i_and_stray	24.500	74	11Bet Cas	2.2680	6600.0	49	37958	No
151	GOM_NL__2PRFIN20090603_211159_000000282079_00329_37958_0385.N1	03-JUN-2009 21:11:59	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37958	No
152	GOM_NL__2PRFIN20090603_211709_000000302079_00329_37958_0386.N1	03-JUN-2009 21:17:09	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37958	No
153	GOM_NL__2PRFIN20090603_213522_000000402079_00329_37958_0387.N1	03-JUN-2009 21:35:22	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37958	No
154	GOM_NL__2PRFIN20090603_214019_000000342079_00330_37959_0414.N1	03-JUN-2009 21:40:19	Dark	33.500	31	Alp Gru	1.7340	15200.	67	37959	No
155	GOM_NL__2PRFIN20090603_215518_000000332079_00330_37959_0415.N1	03-JUN-2009 21:55:18	Tw_i_and_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37959	No
156	GOM_NL__2PRFIN20090603_215658_000000352079_00330_37959_0416.N1	03-JUN-2009 21:56:58	Tw_i_and_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37959	No
157	GOM_NL__2PRFIN20090603_220305_000000302079_00330_37959_0417.N1	03-JUN-2009 22:03:05	Tw_i_and_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37959	No
158	GOM_NL__2PRFIN20090603_221458_000000302079_00330_37959_0418.N1	03-JUN-2009 22:14:58	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37959	No
159	GOM_NL__2PRFIN20090603_221819_000000312079_00330_37959_0419.N1	03-JUN-2009 22:18:19	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37959	No
160	GOM_NL__2PRFIN20090603_222541_000000322079_00330_37959_0420.N1	03-JUN-2009 22:25:41	Bright	32.000	130	23Bet Dra	2.7990	5800.0	64	37959	No

161	GOM_NL__2PRFIN20090603_223633_000000312079_00330_37959_0421.N1	03-JUN-2009 22:36:33	Twilight_stray	30.500	89	5Alp Cep	2.4510	8000.0	61	37959	No
162	GOM_NL__2PRFIN20090603_224155_000000252079_00330_37959_0422.N1	03-JUN-2009 22:41:55	Twilight_stray	25.000	74	11Bet Cas	2.2680	6600.0	50	37959	No
163	GOM_NL__2PRFIN20090603_225235_000000282079_00330_37959_0423.N1	03-JUN-2009 22:52:35	Twilight_stray	28.000	58	21Alp And	2.0730	11000.	56	37959	No
164	GOM_NL__2PRFIN20090603_225745_000000302079_00330_37959_0424.N1	03-JUN-2009 22:57:45	Dark	30.000	140	88Gam Peg	2.8340	26000.	60	37959	No
165	GOM_NL__2PRFIN20090603_231559_000000402079_00330_37959_0425.N1	03-JUN-2009 23:15:59	Dark	40.000	18	24Alp PsA	1.1660	9700.0	80	37959	No
166	GOM_NL__2PRFIN20090603_232056_000000342079_00331_37960_0429.N1	03-JUN-2009 23:20:56	Dark	34.000	31	Alp Gru	1.7340	15200.	68	37960	No
167	GOM_NL__2PRFIN20090603_233555_000000332079_00331_37960_0430.N1	03-JUN-2009 23:35:55	Twilight_stray	33.000	38	20Eps Sgr	1.8360	11000.	66	37960	No
168	GOM_NL__2PRFIN20090603_233734_000000352079_00331_37960_0431.N1	03-JUN-2009 23:37:34	Twilight_stray	34.500	116	19Del Sgr	2.7000	4100.0	69	37960	No
169	GOM_NL__2PRFIN20090603_234341_000000302079_00331_37960_0432.N1	03-JUN-2009 23:43:41	Twilight_stray	30.000	86	35Eta Oph	2.4300	10200.	60	37960	No
170	GOM_NL__2PRFIN20090603_235534_000000302079_00331_37960_0433.N1	03-JUN-2009 23:55:34	Bright	30.000	127	27Bet Her	2.7810	4700.0	60	37960	No
171	GOM_NL__2PRFIN20090603_235855_000000312079_00331_37960_0434.N1	03-JUN-2009 23:58:55	Bright	31.000	133	40Zet Her	2.8070	6000.0	62	37960	No

### 3. Quality information per product

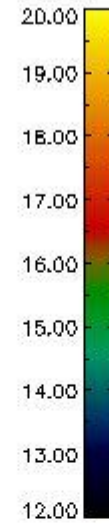
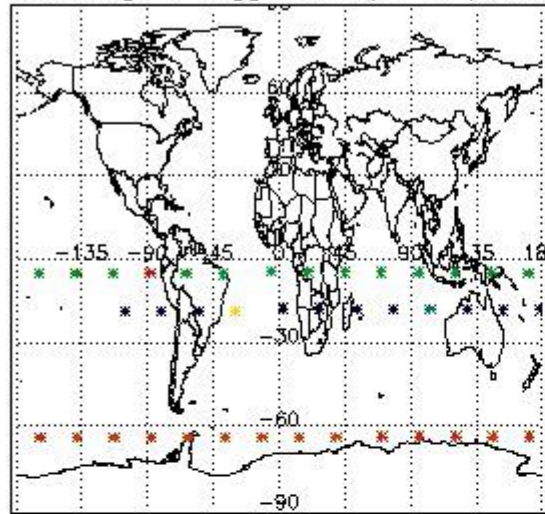
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

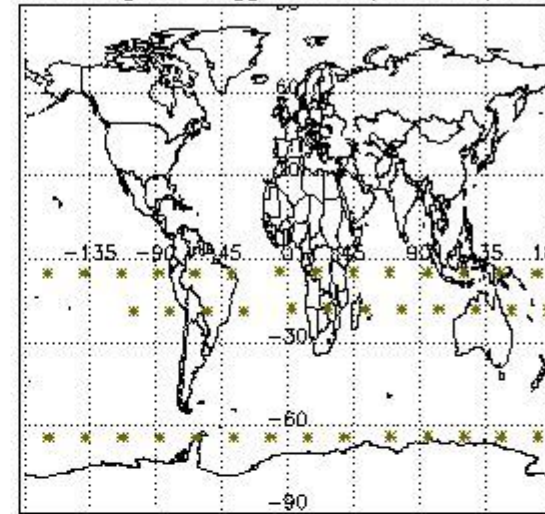


#### 3.2 Plot quality information per product (world map)

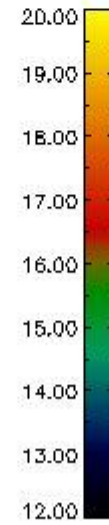
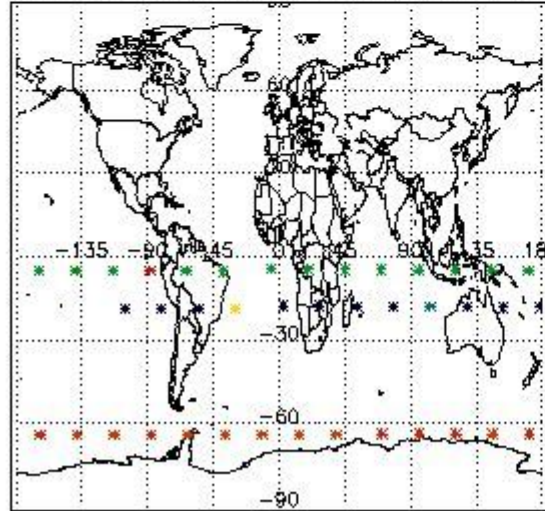
Percentage of flagged data per O3 profile



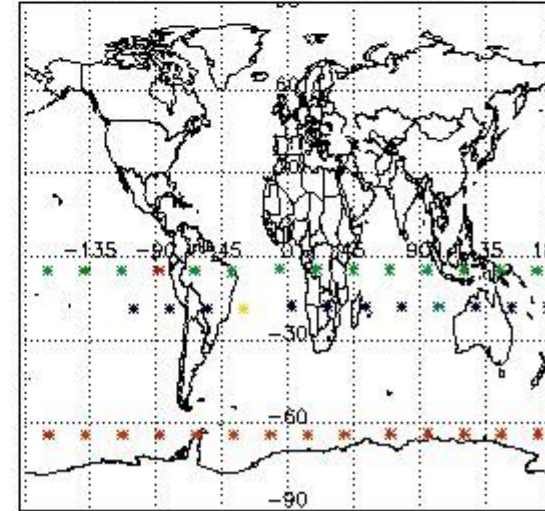
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

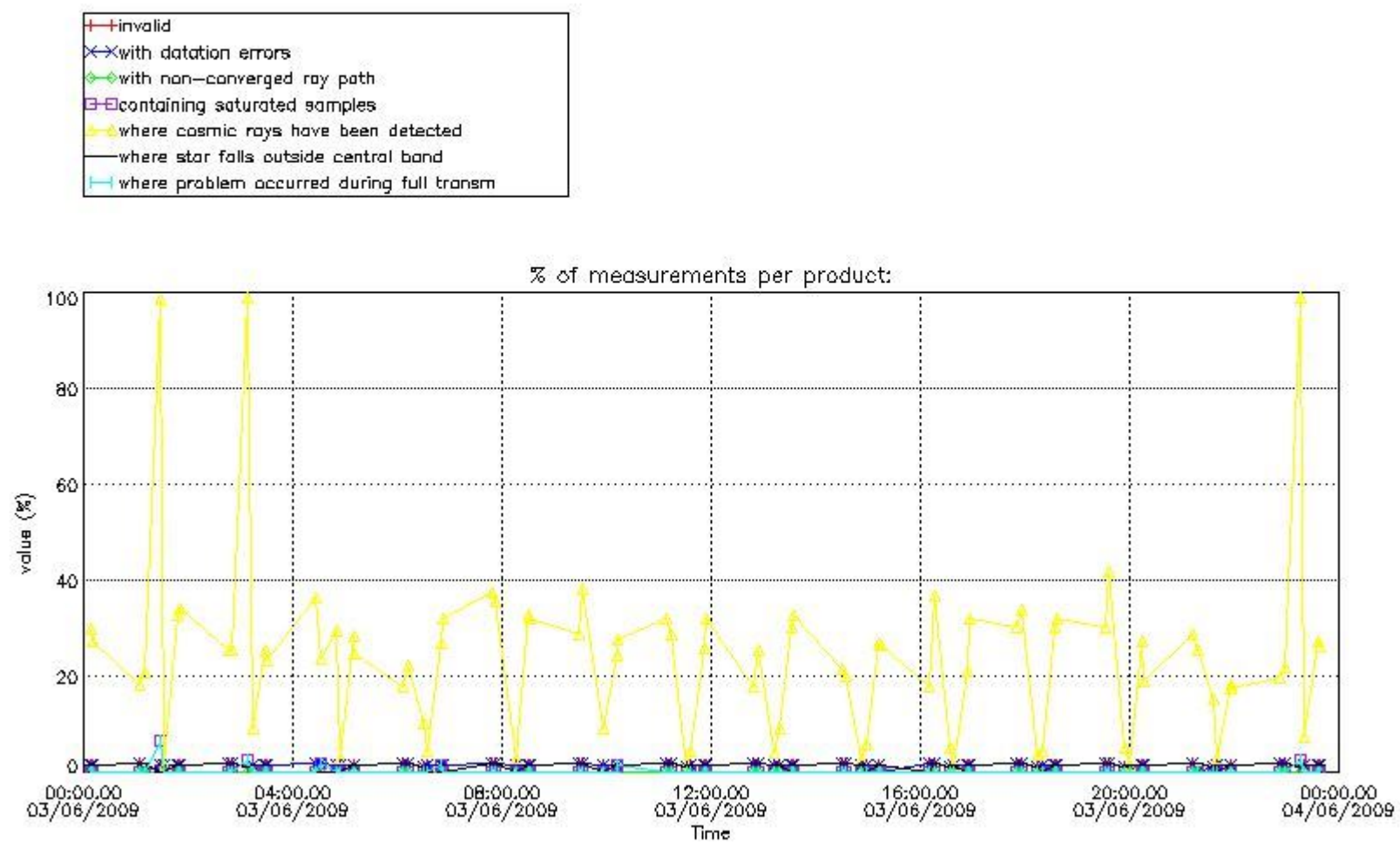


#### 4. Level 1 quality information per product

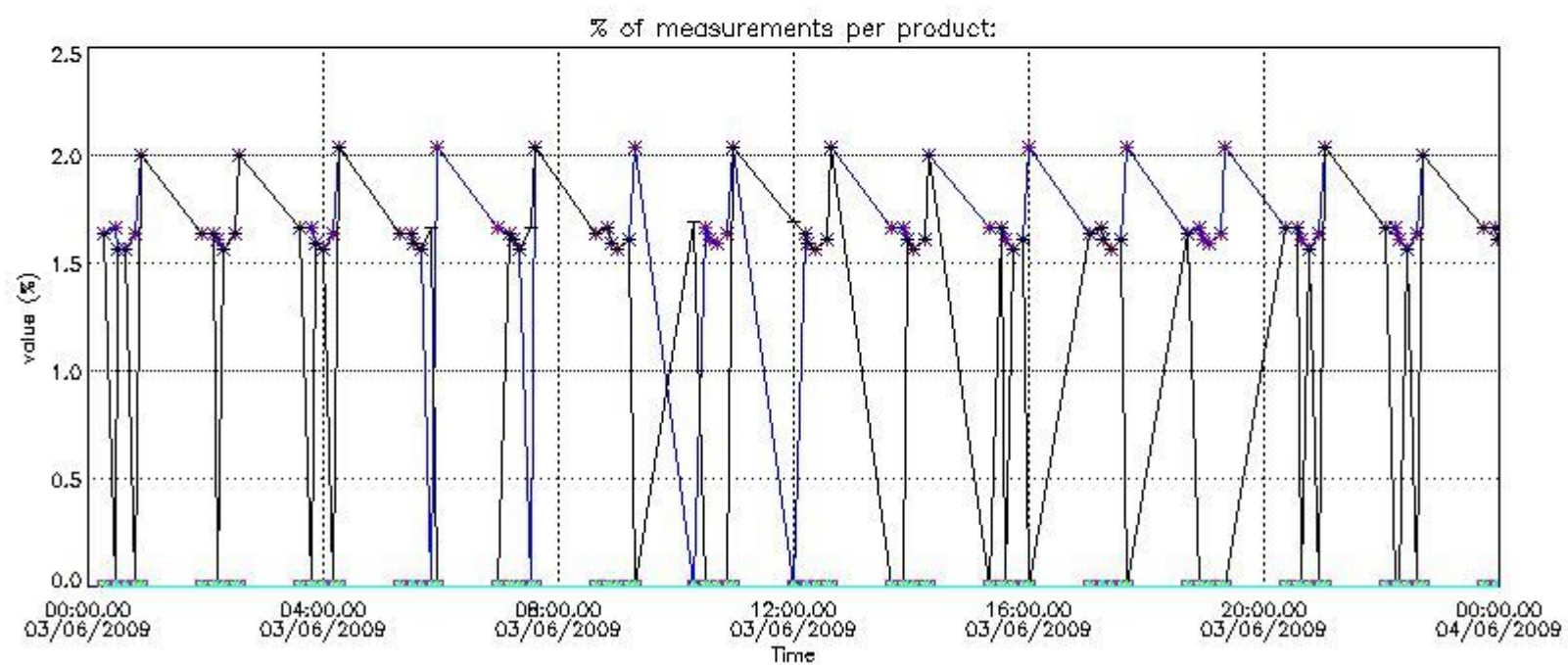
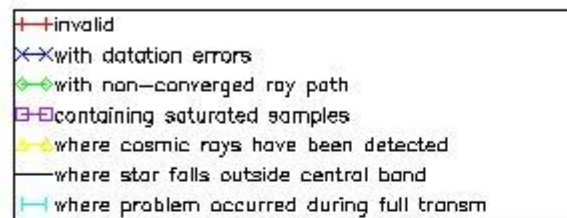
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

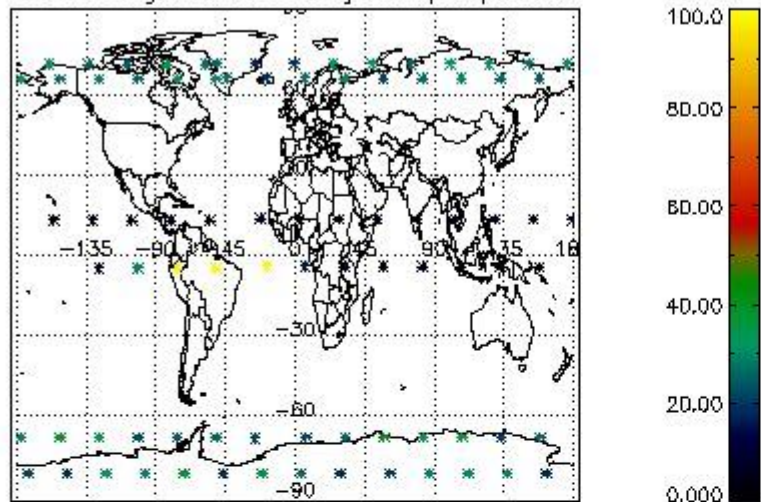


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

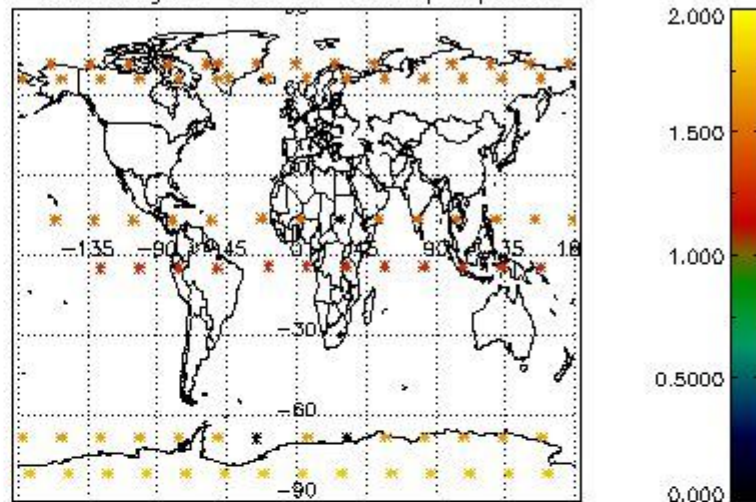
##### 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



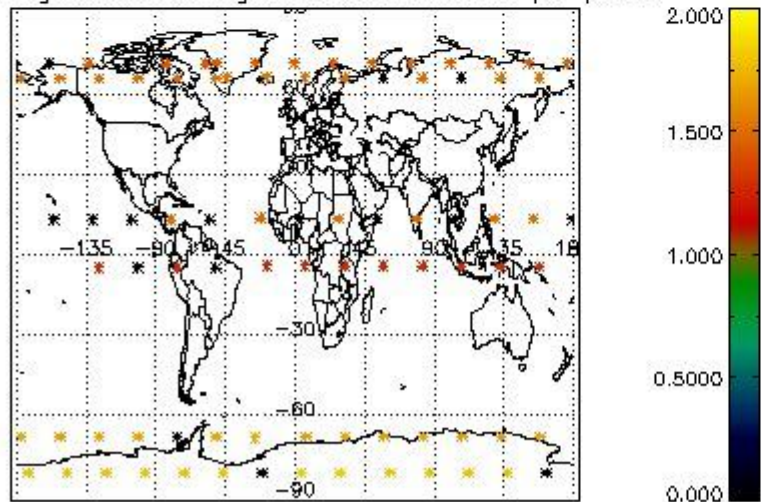
Percentage of cosmic ray hits per profile



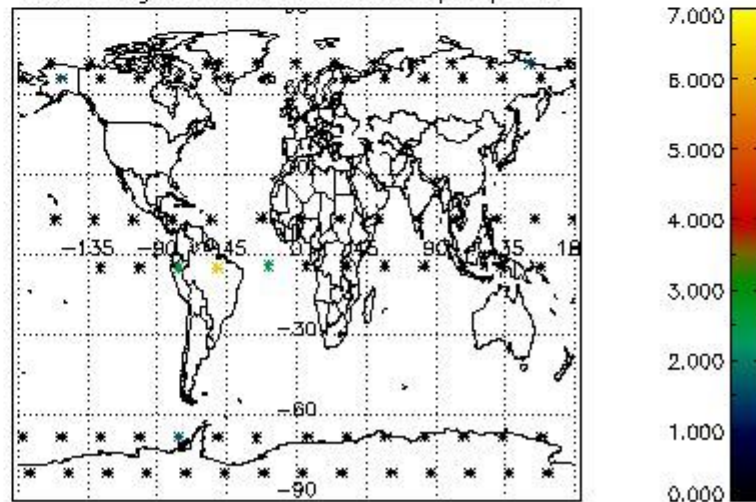
Percentage of datation errors per profile



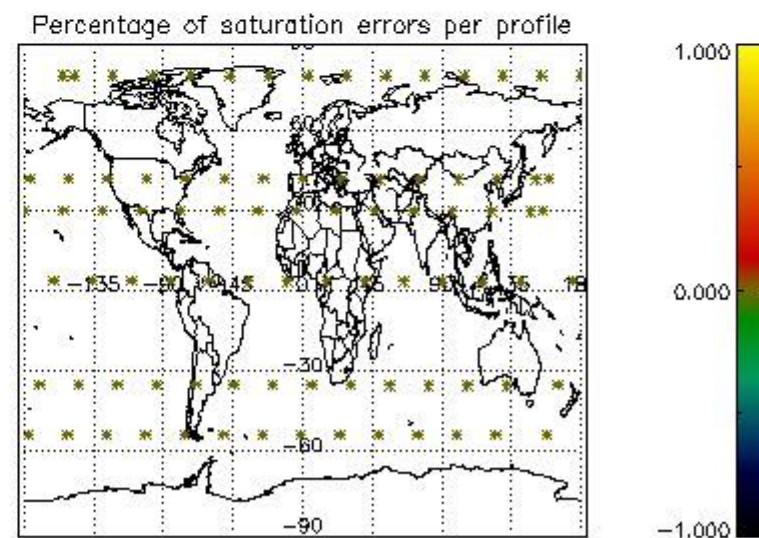
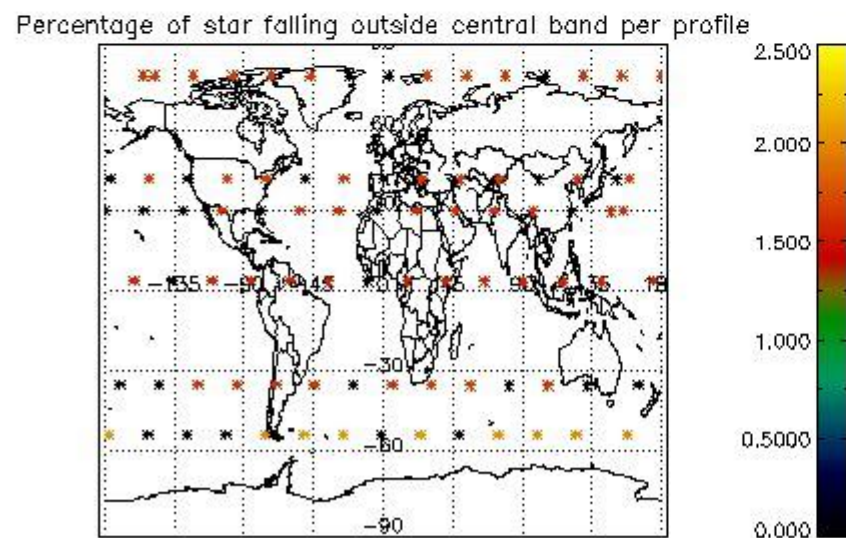
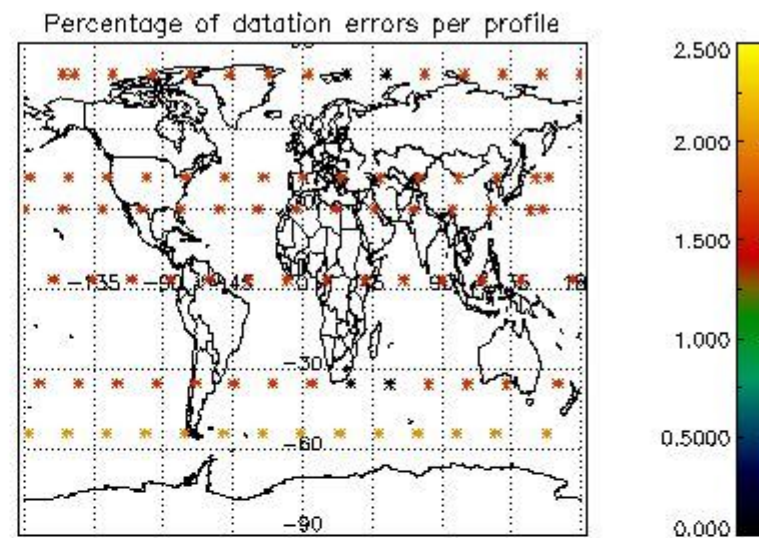
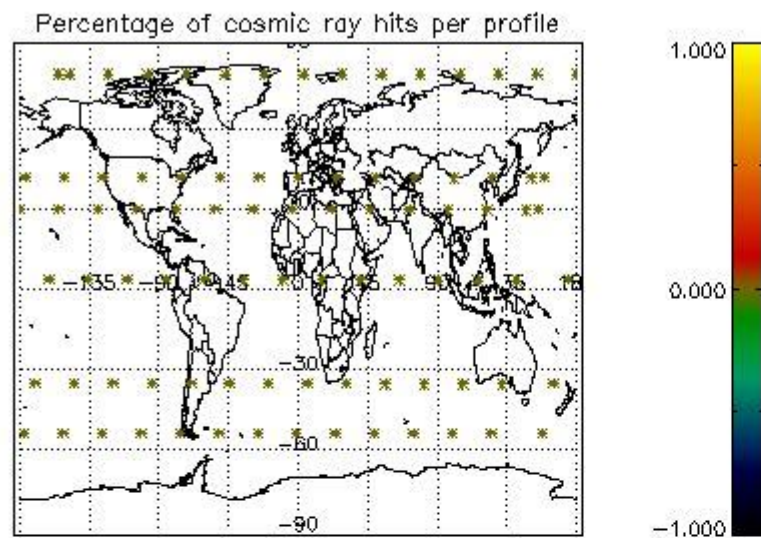
Percentage of star falling outside central band per profile



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

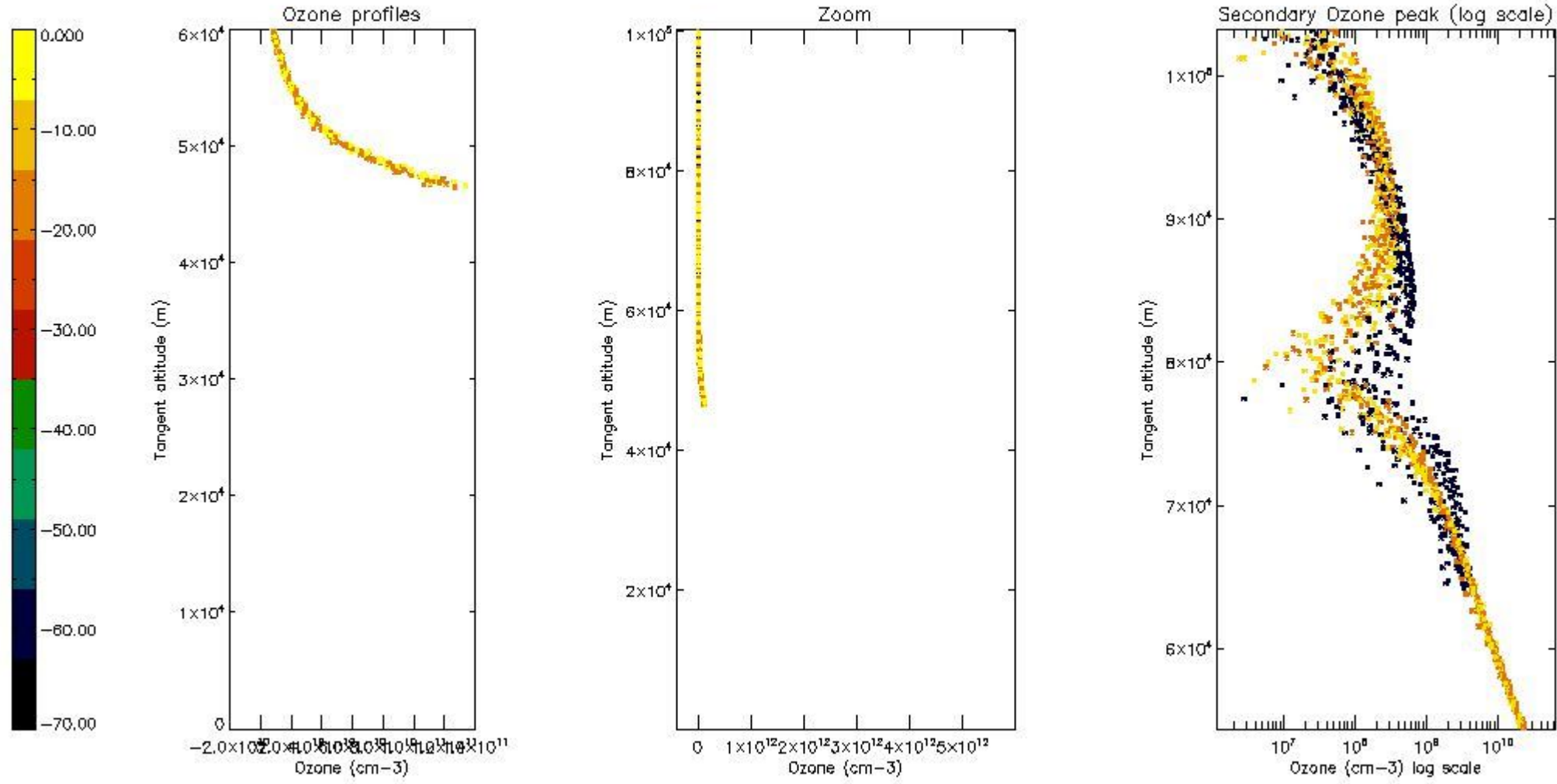
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	13

STD < 10	9
STD < 5	7

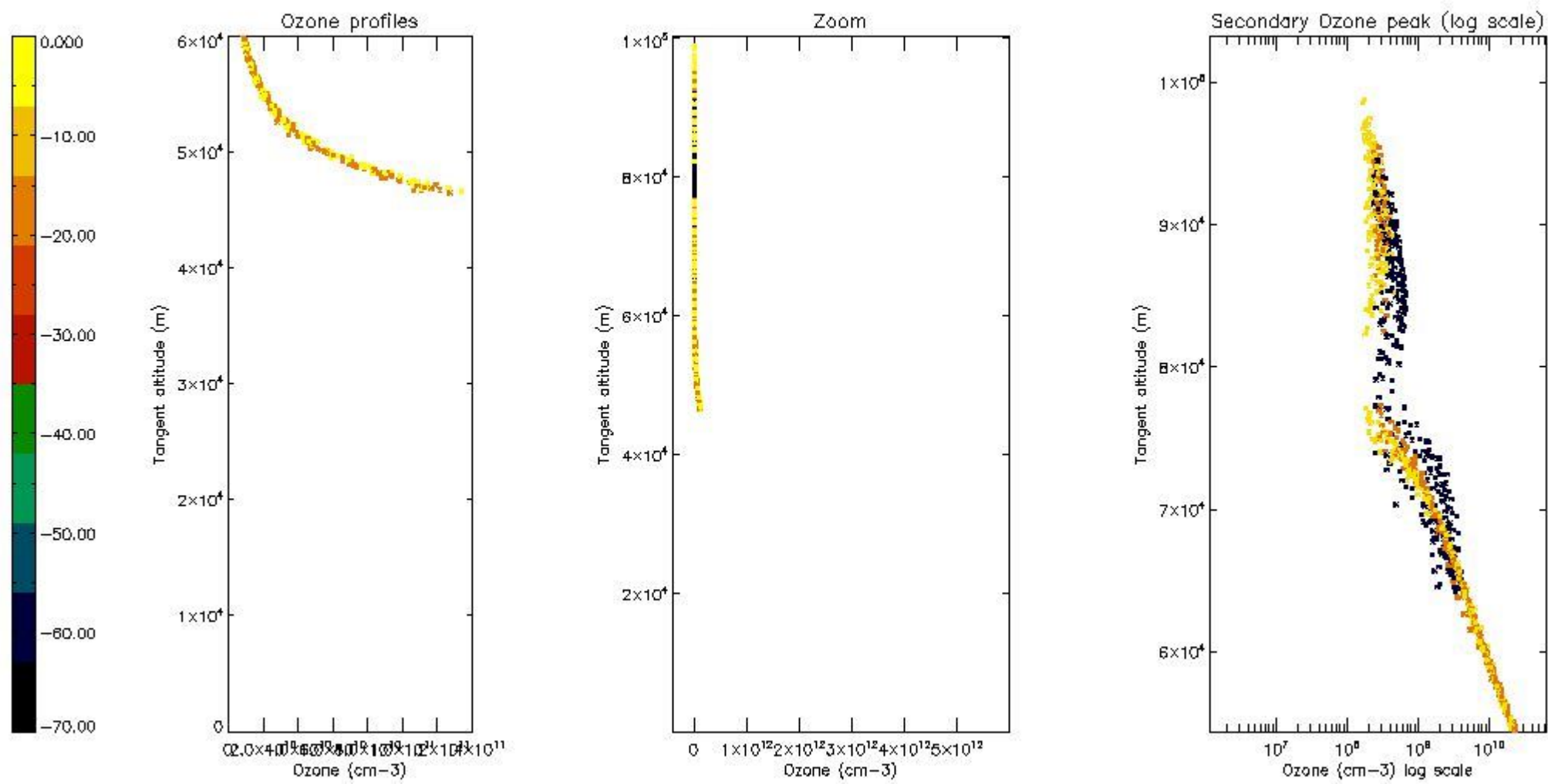
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



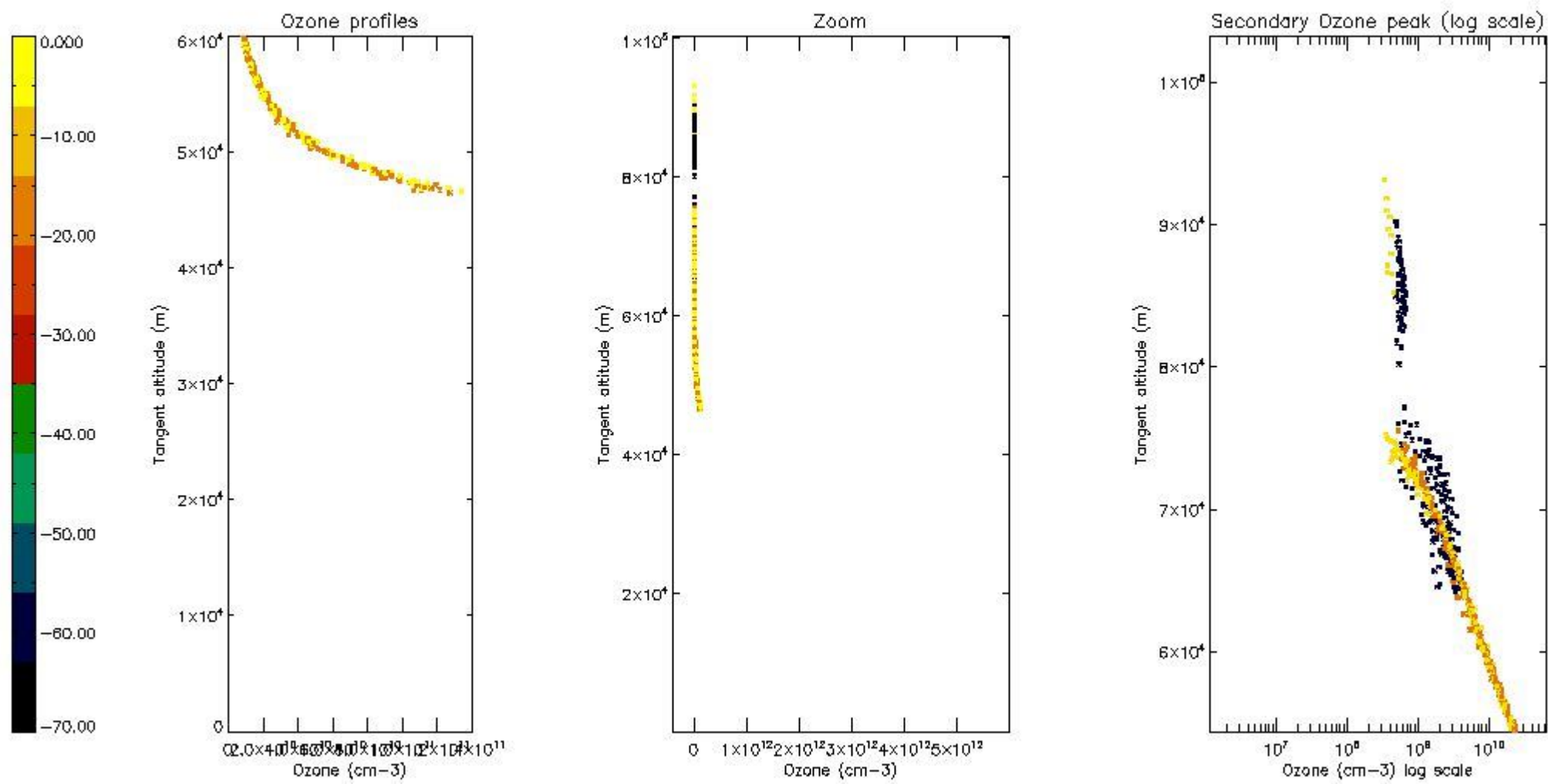
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



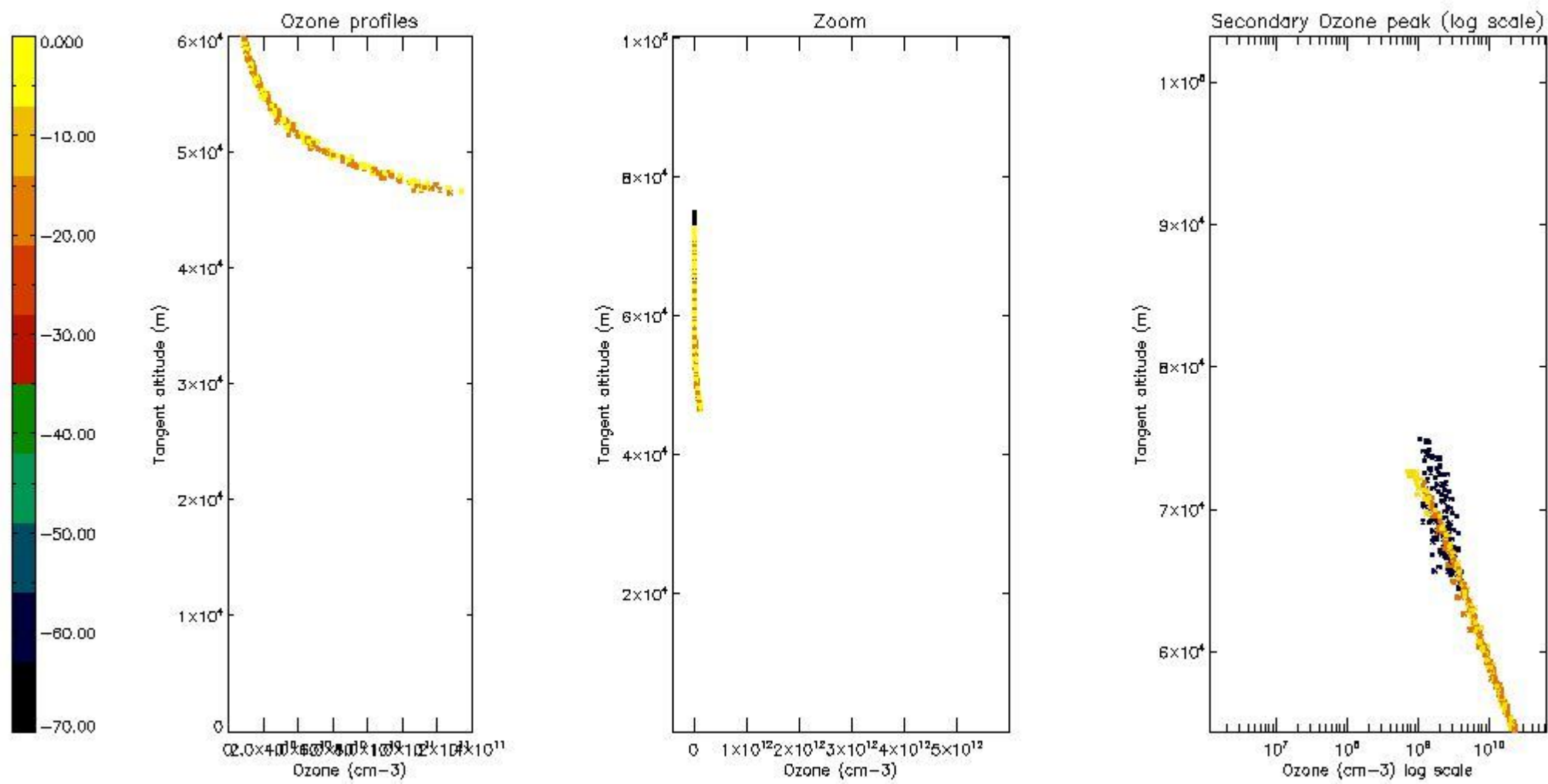
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



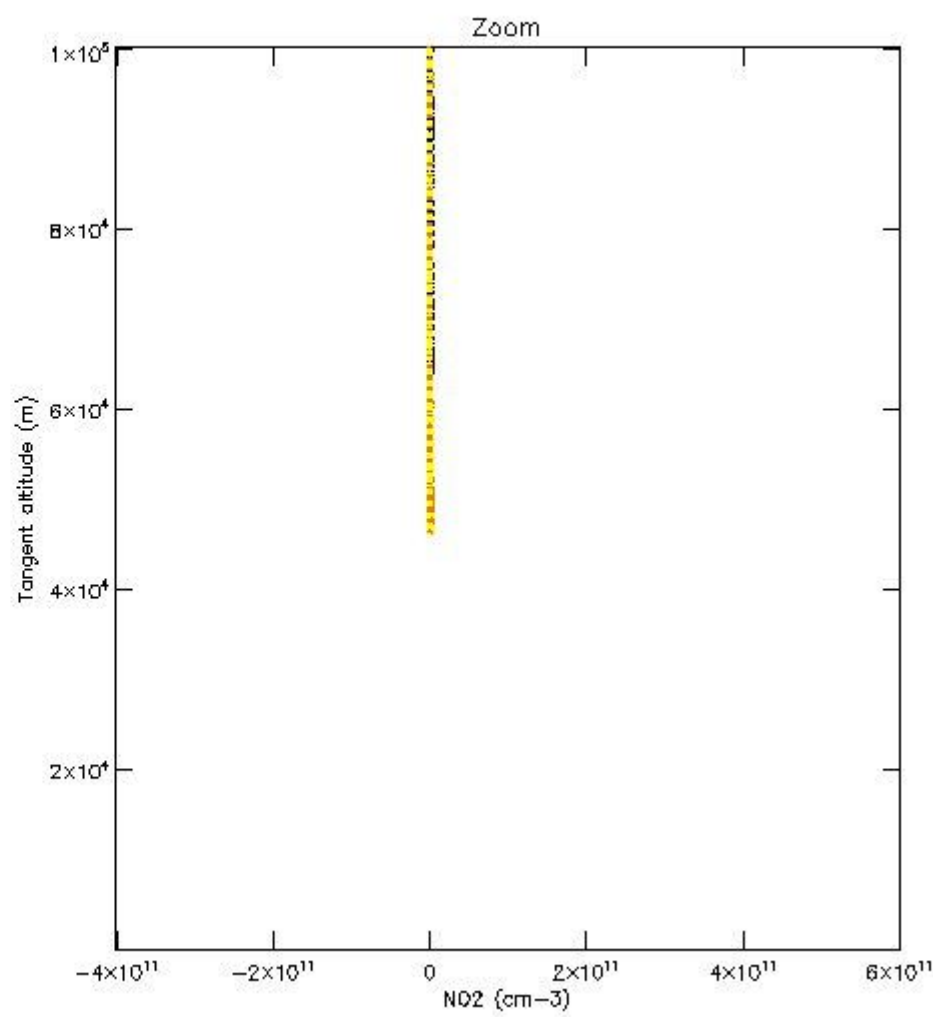
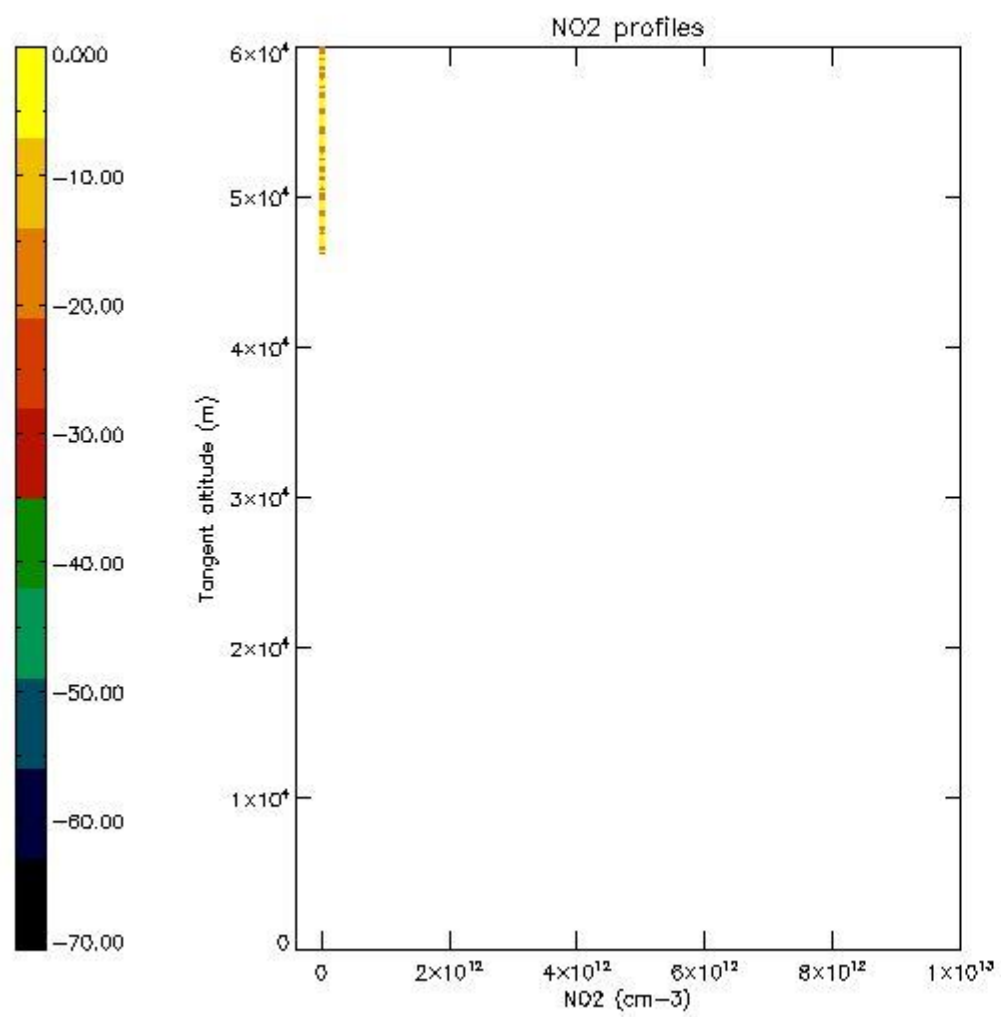
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



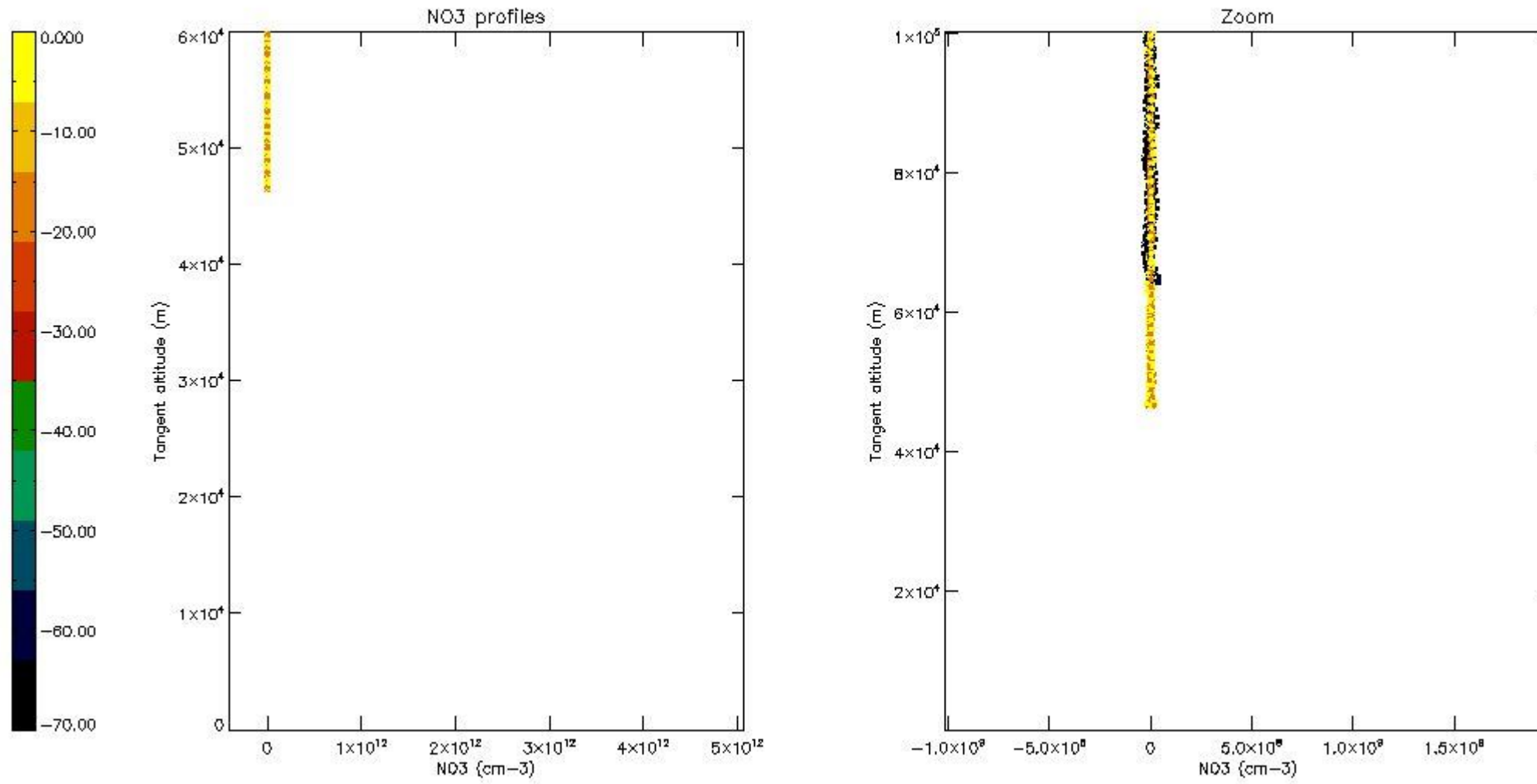
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

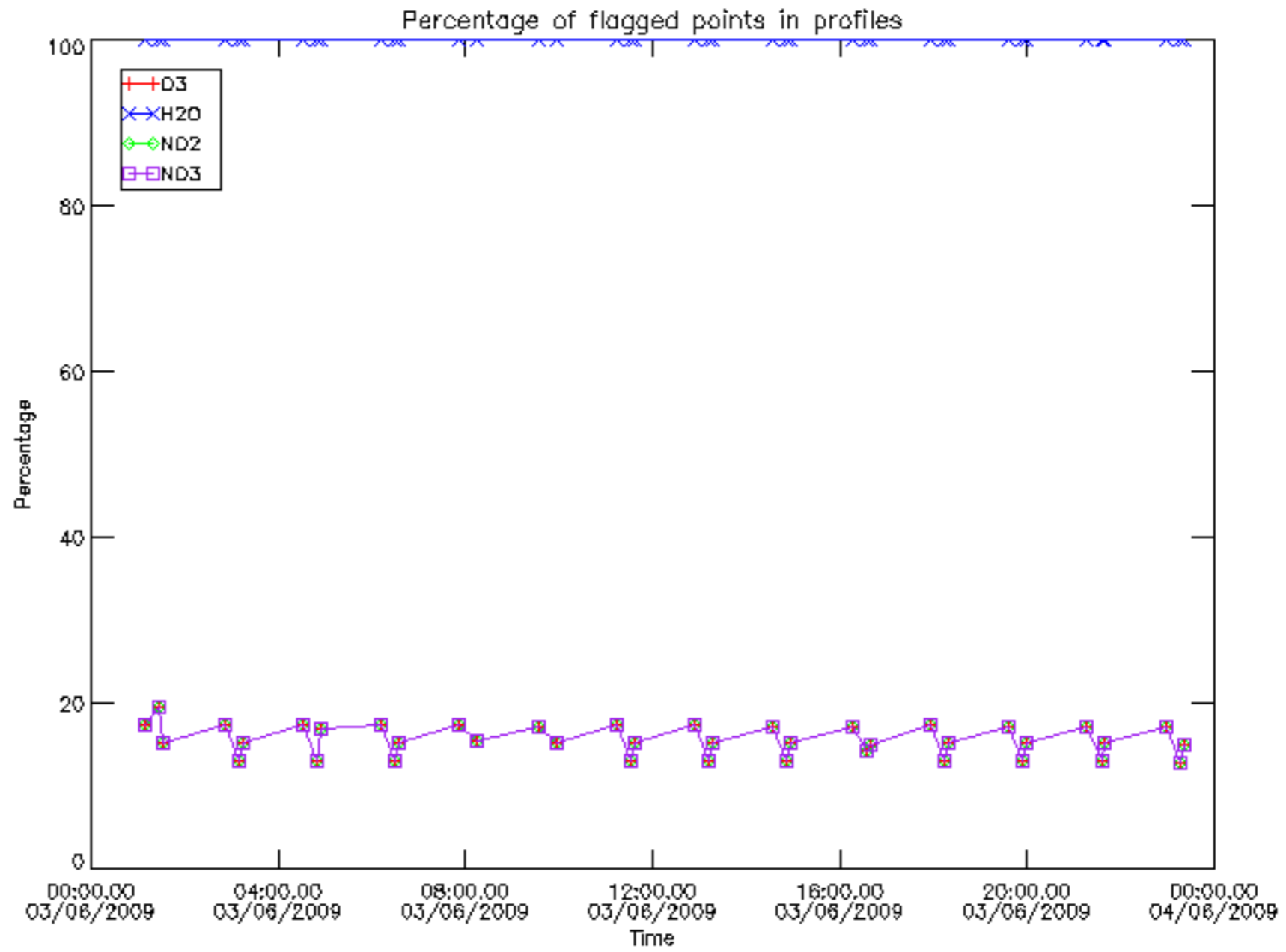


## 6. Auxiliary Data Files used for the production reported in section 2

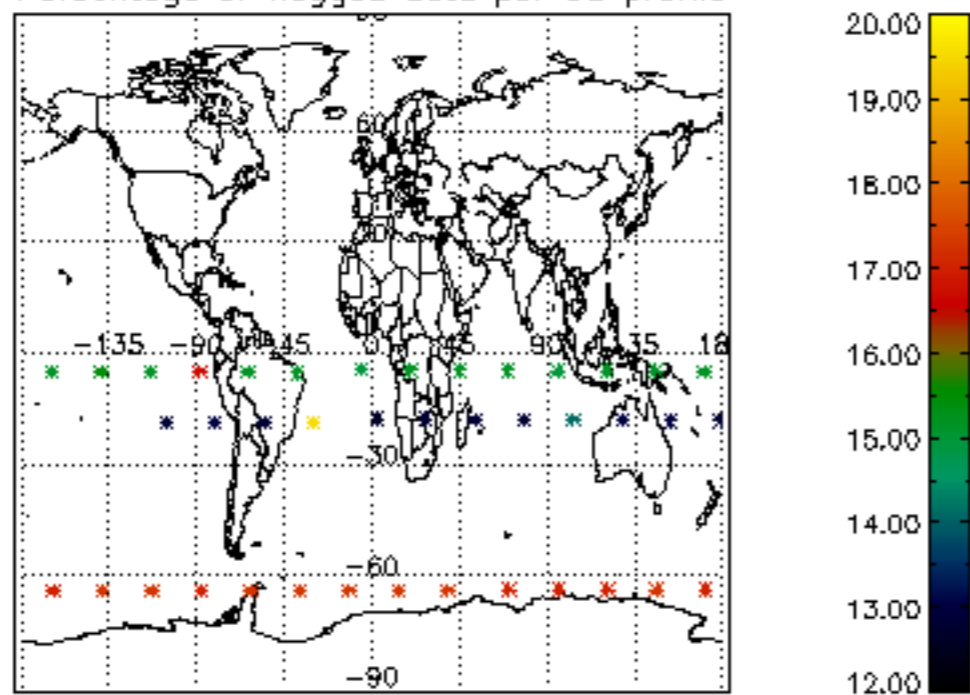
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-JUN-2009 00:07:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-JUN-2009 00:07:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-JUN-2009 00:07:24

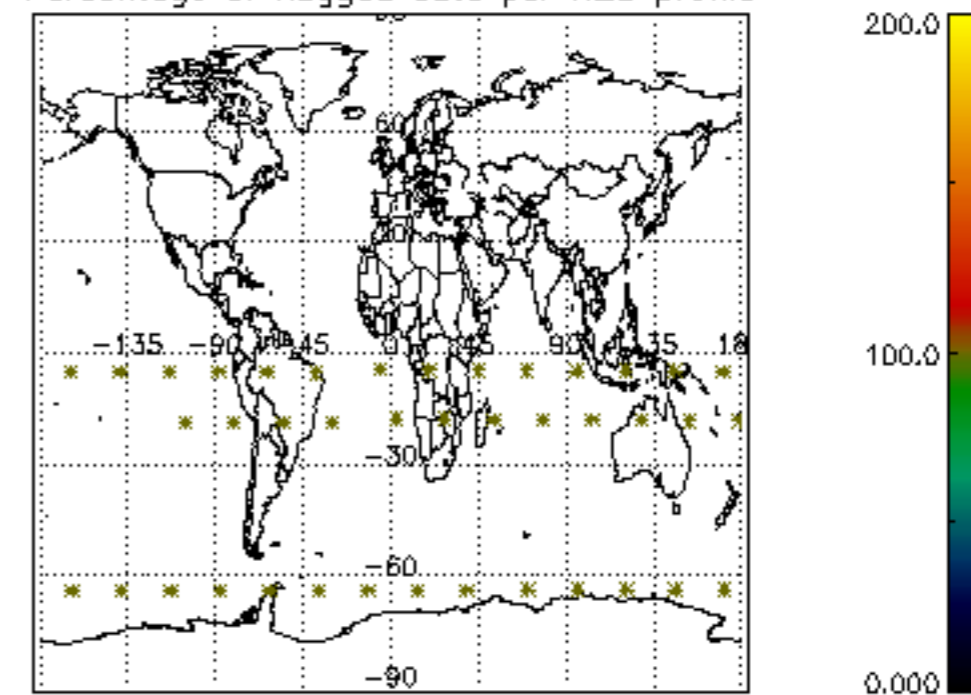




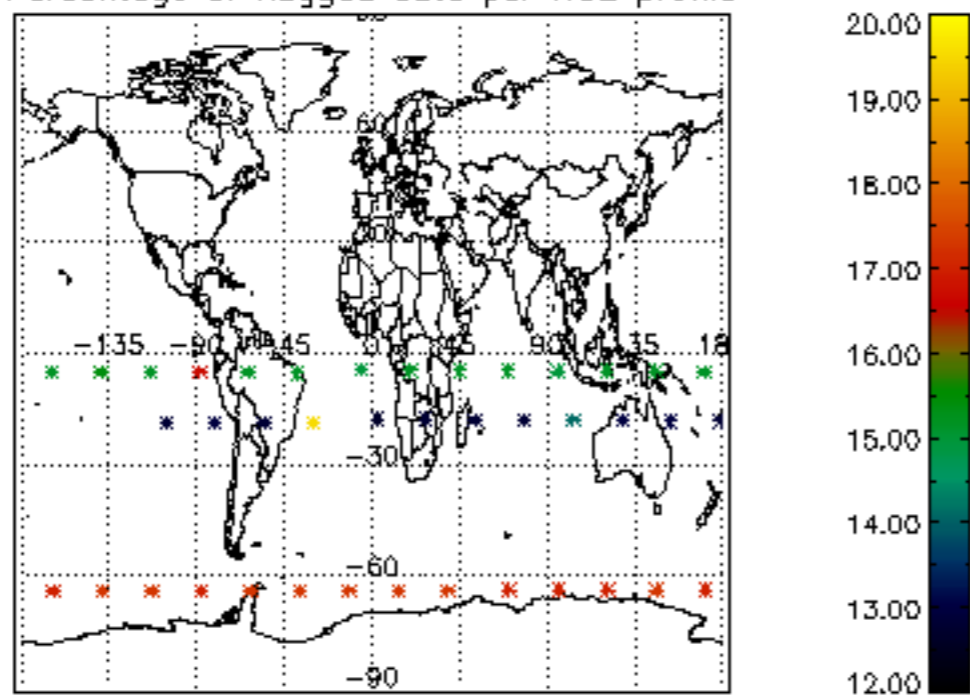
Percentage of flagged data per D3 profile



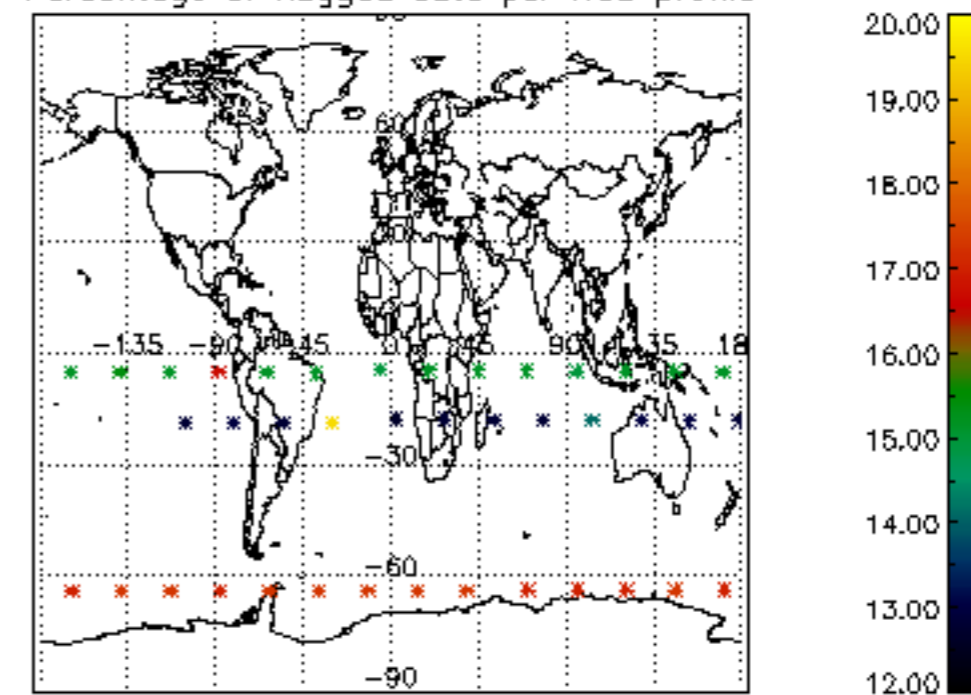
Percentage of flagged data per H2O profile

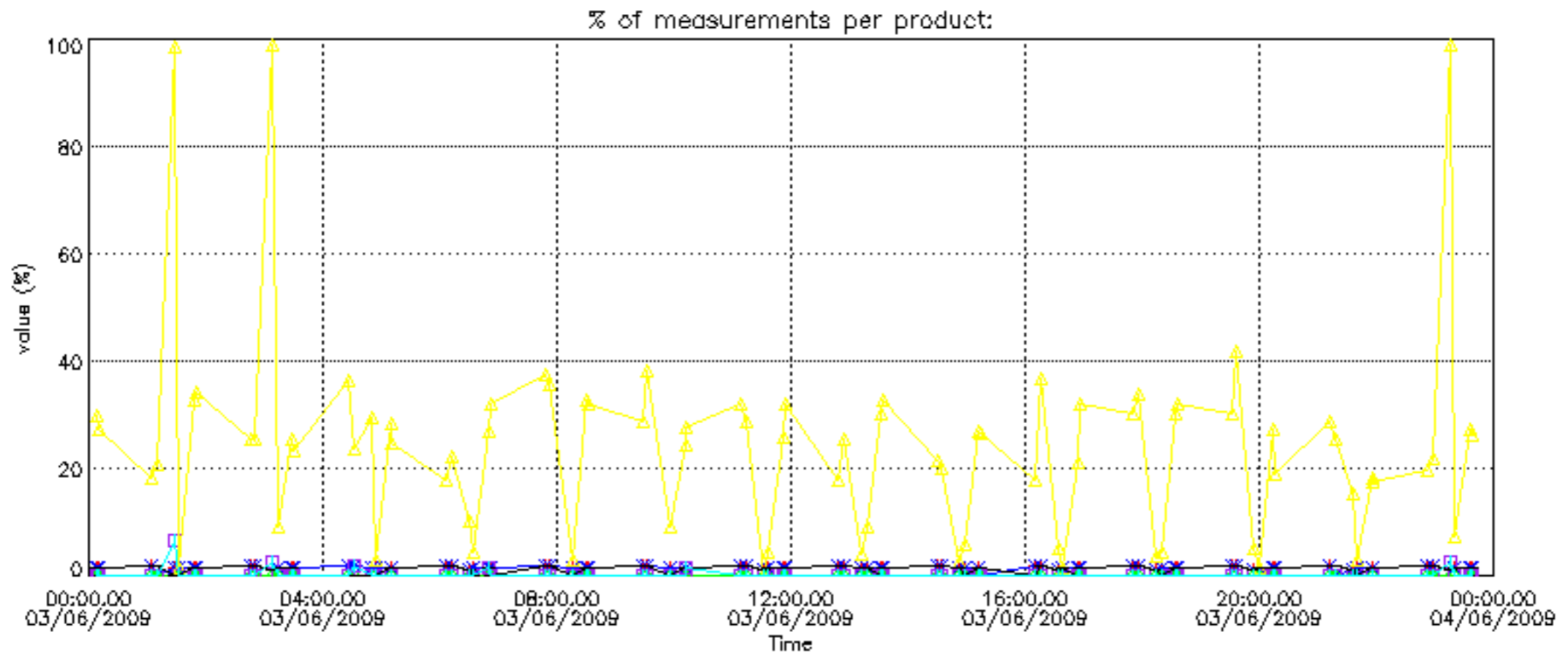


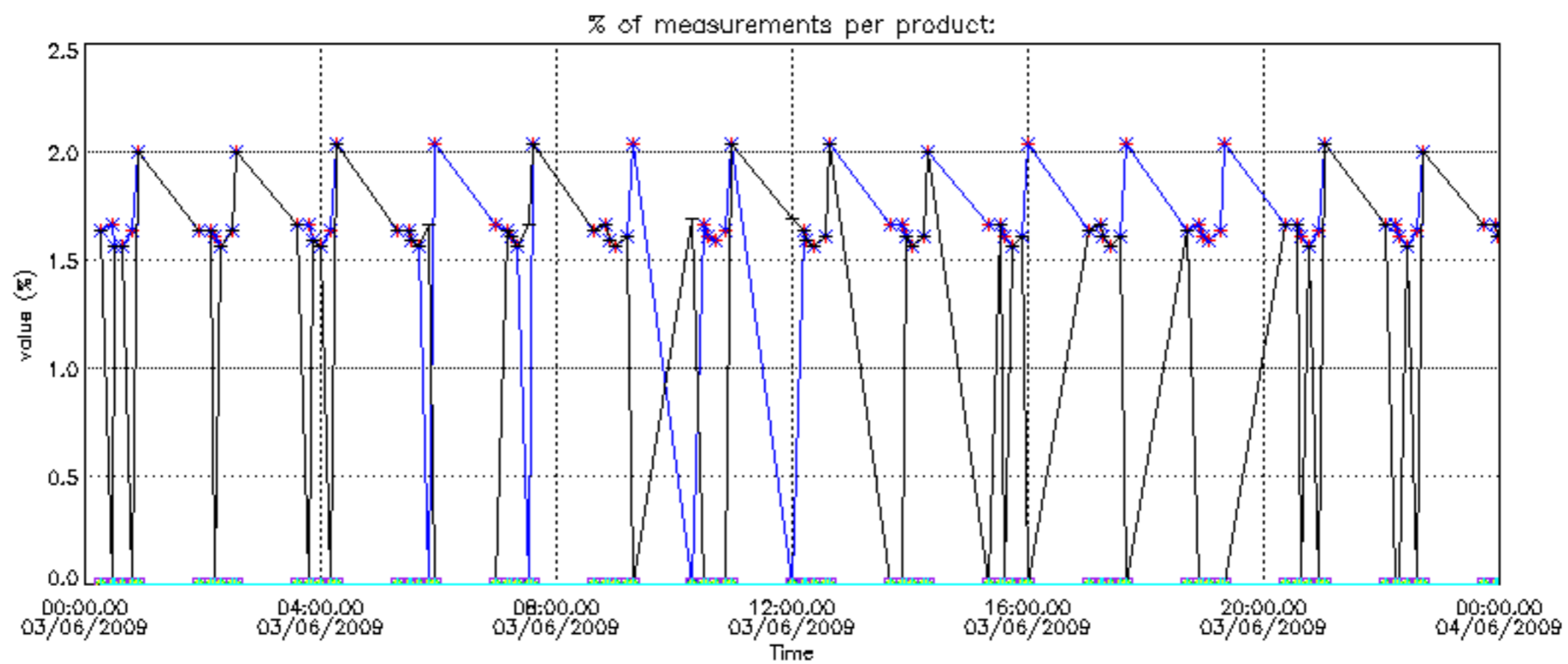
Percentage of flagged data per NO2 profile



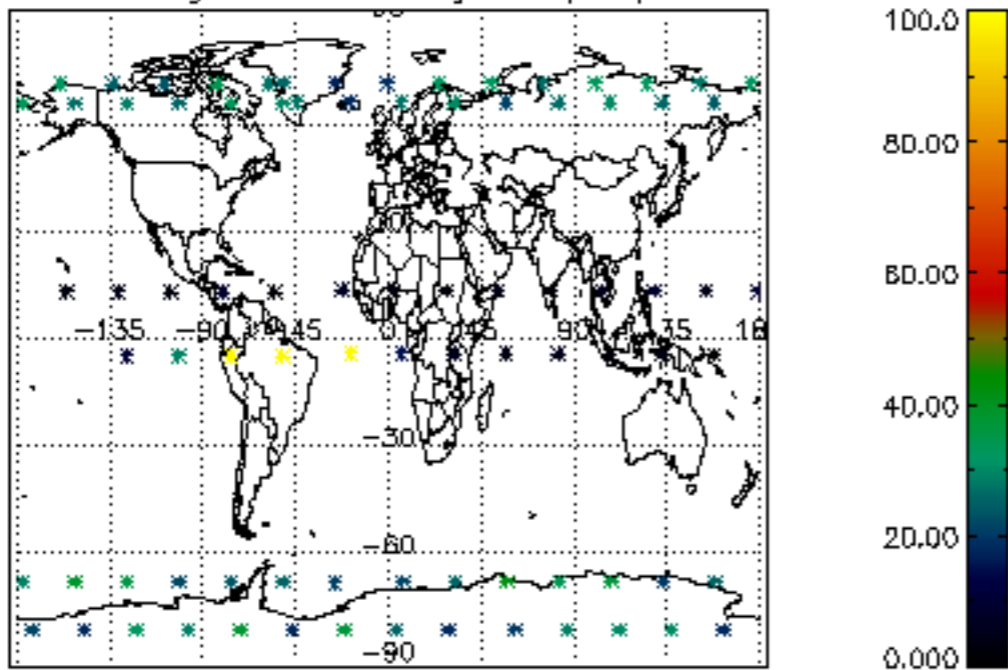
Percentage of flagged data per NO3 profile



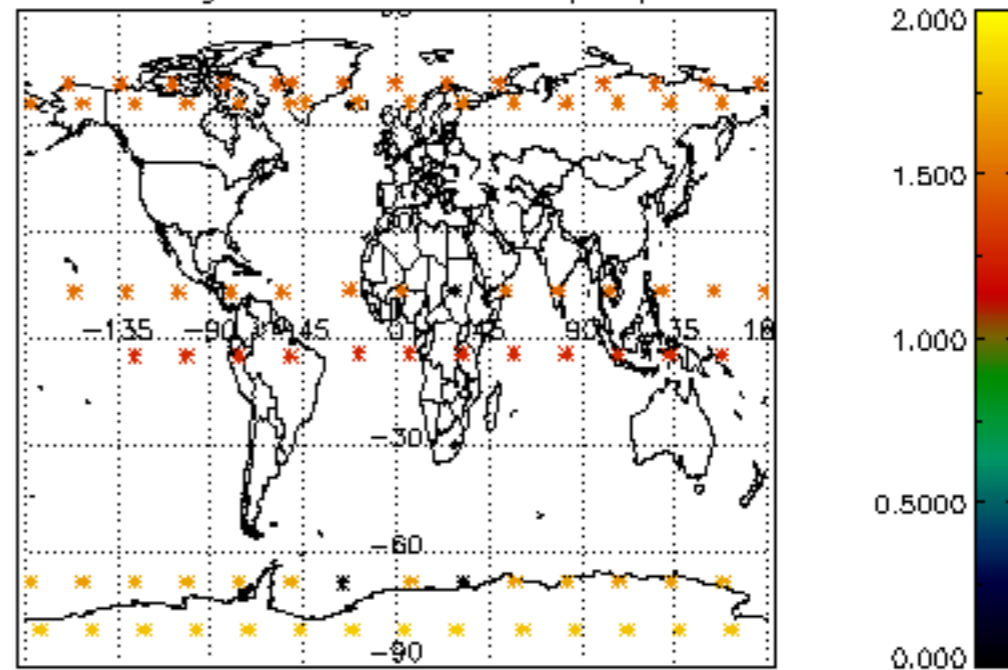




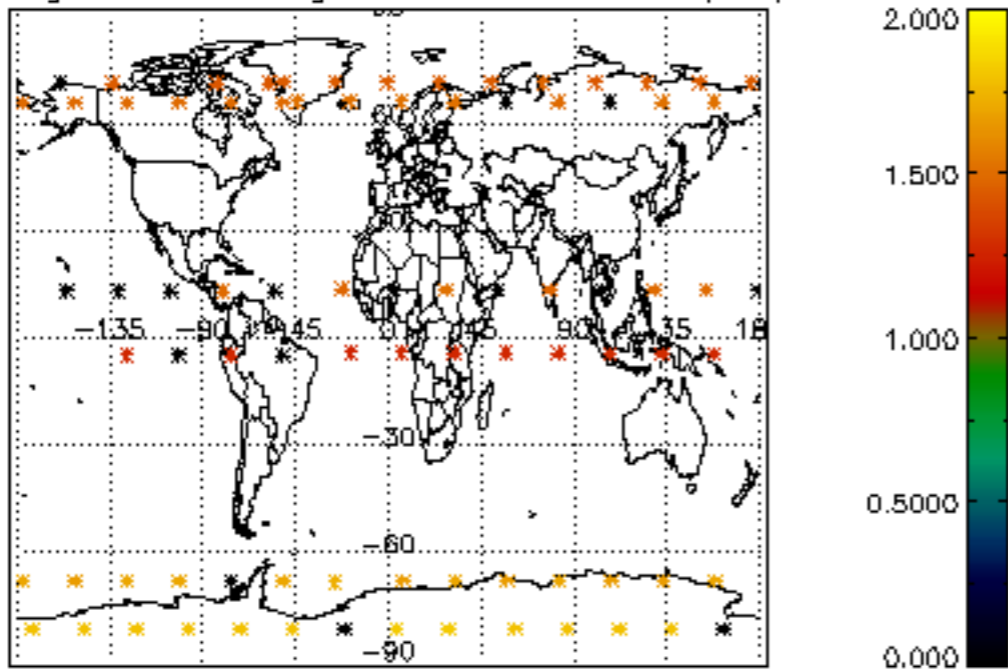
Percentage of cosmic ray hits per profile



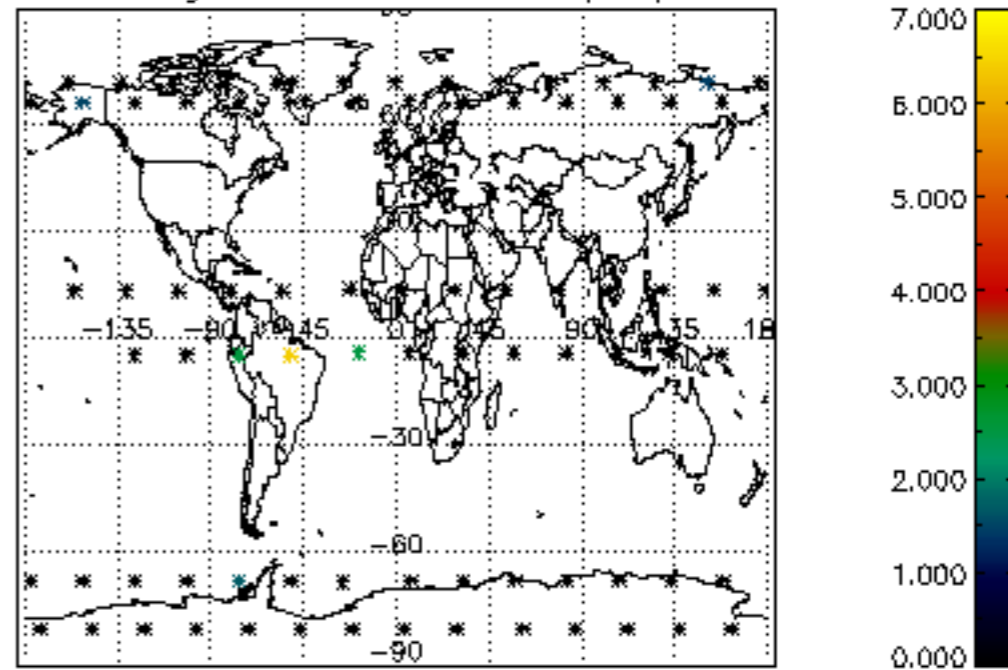
Percentage of datation errors per profile



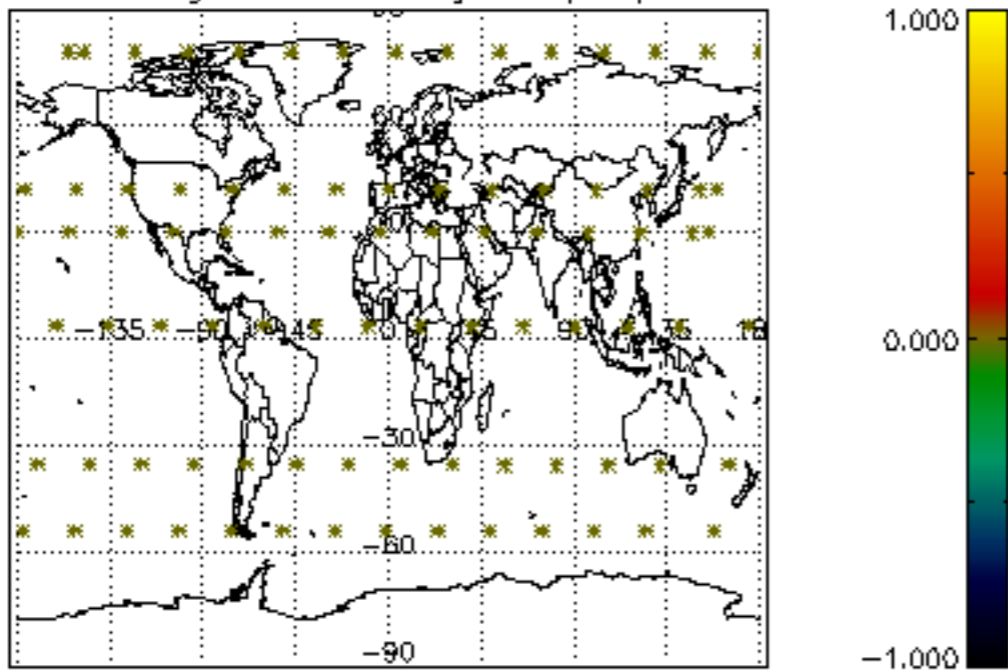
Percentage of star falling outside central band per profile



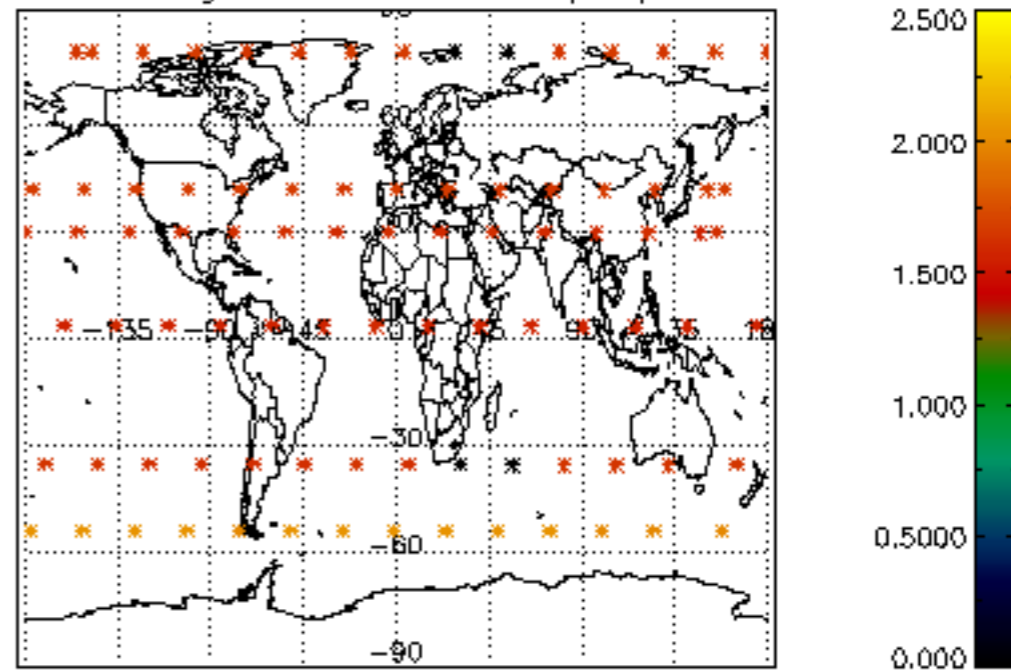
Percentage of saturation errors per profile



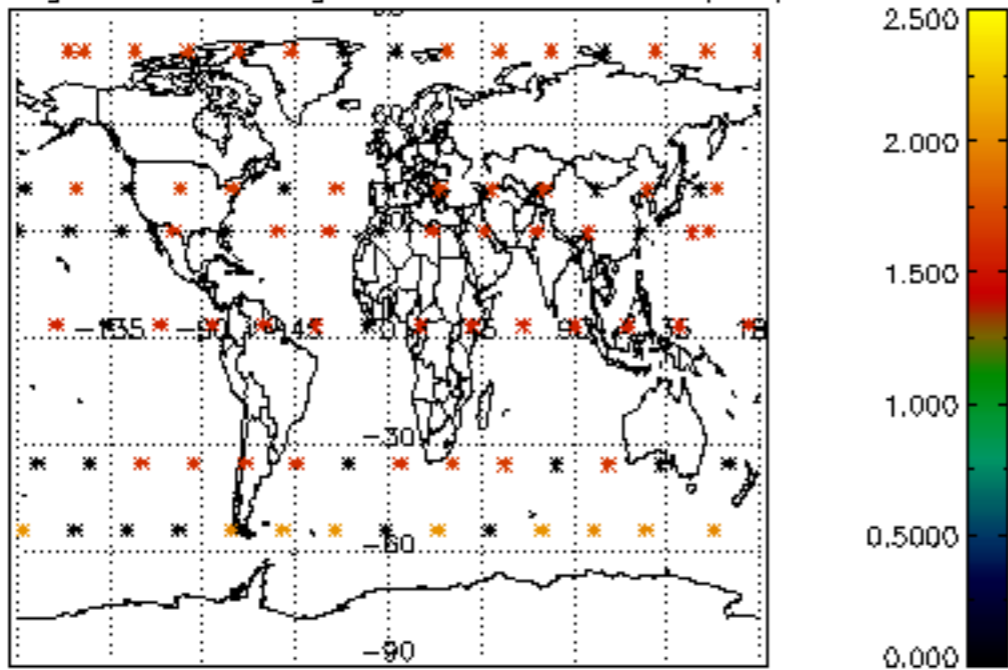
Percentage of cosmic ray hits per profile



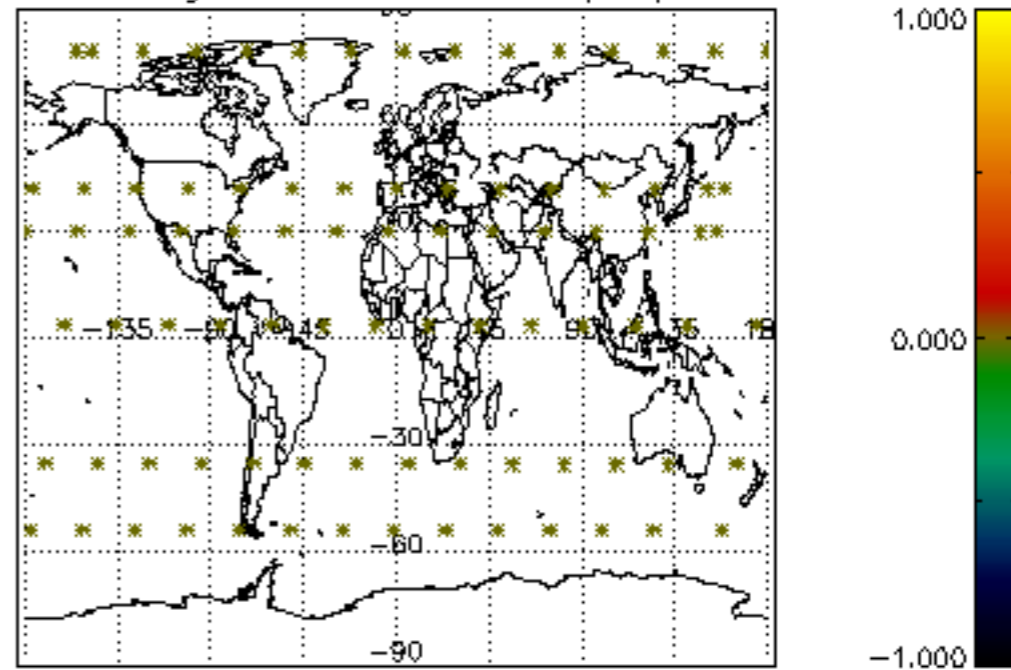
Percentage of datation errors per profile

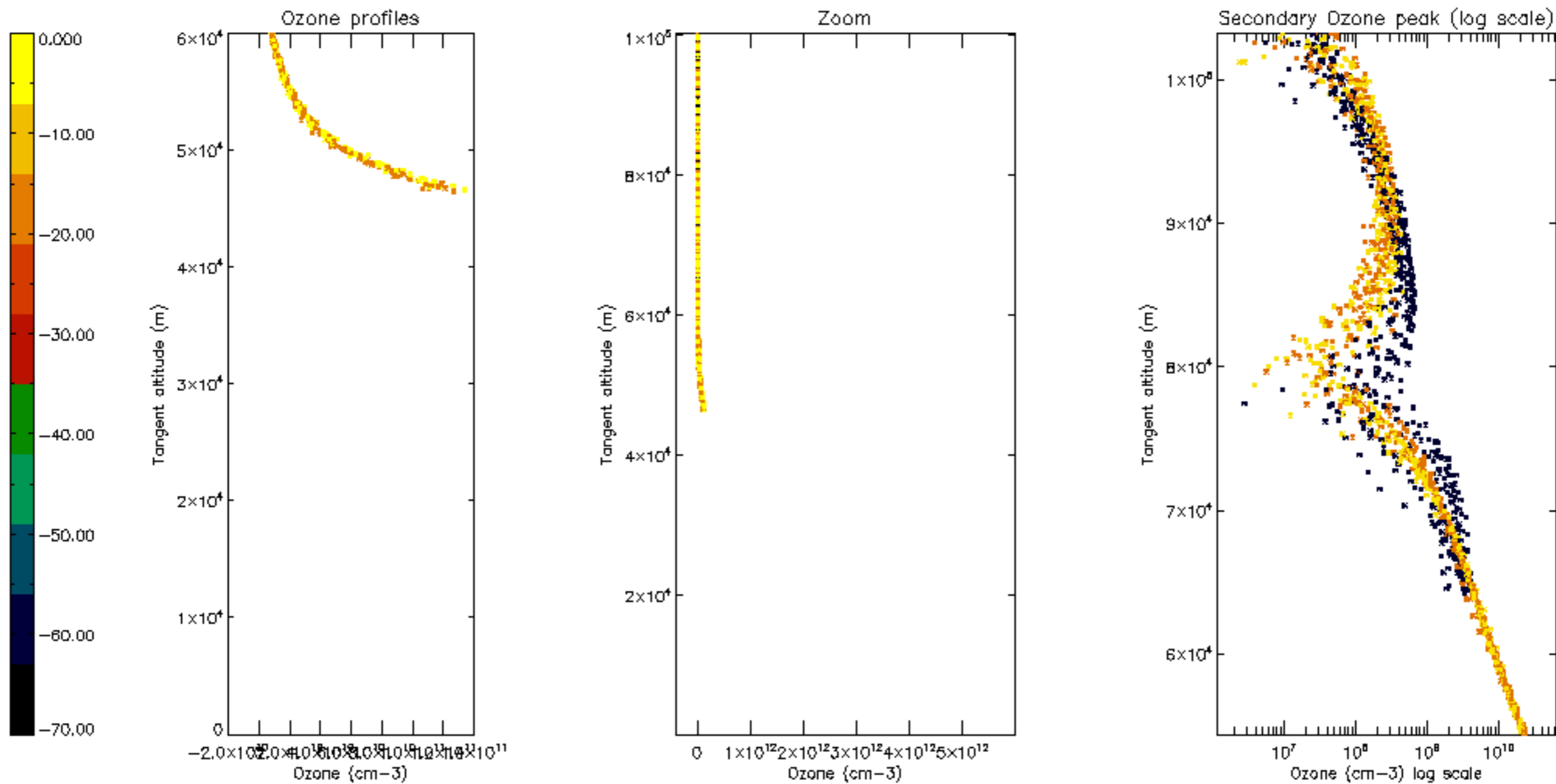


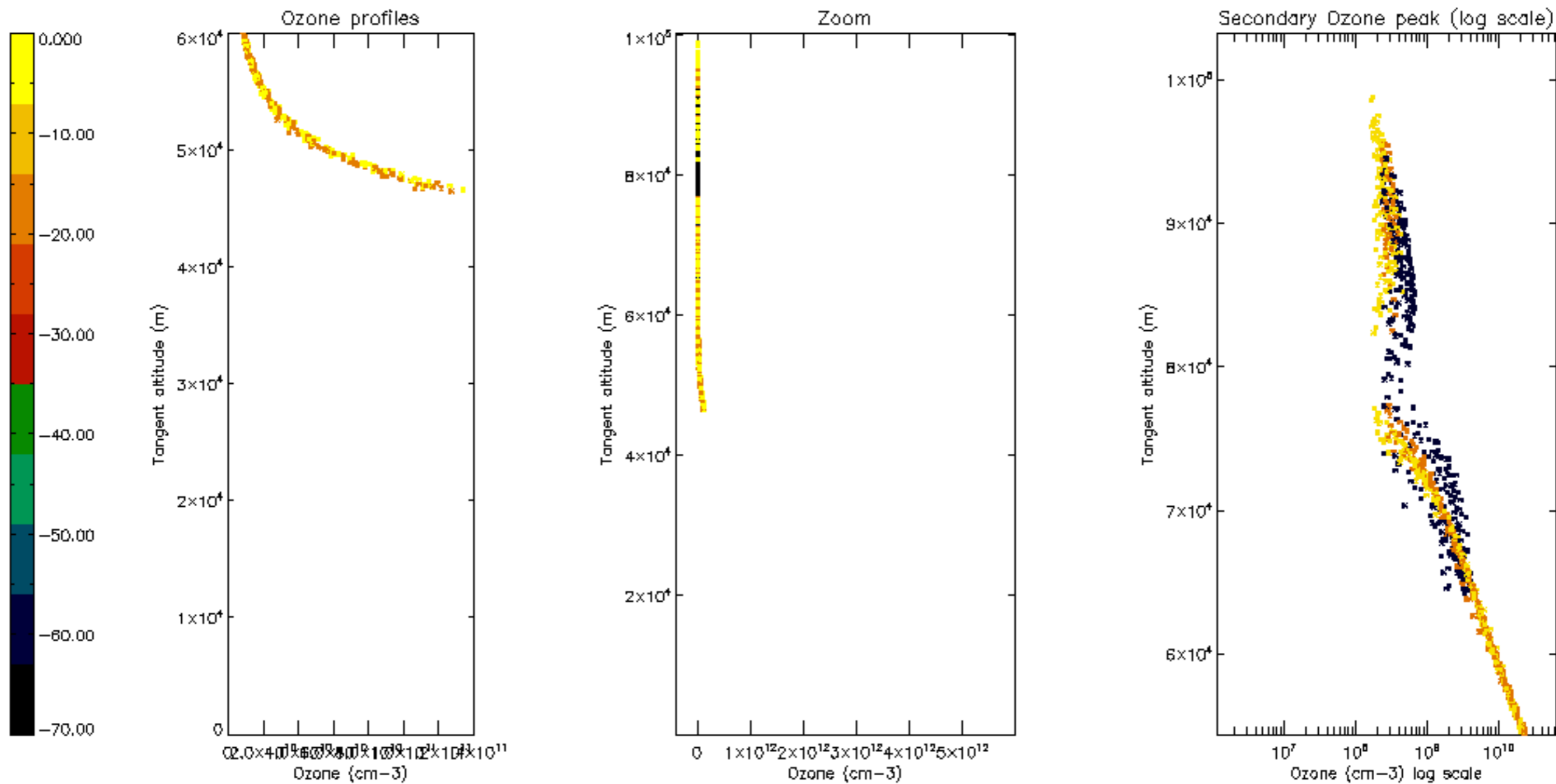
Percentage of star falling outside central band per profile



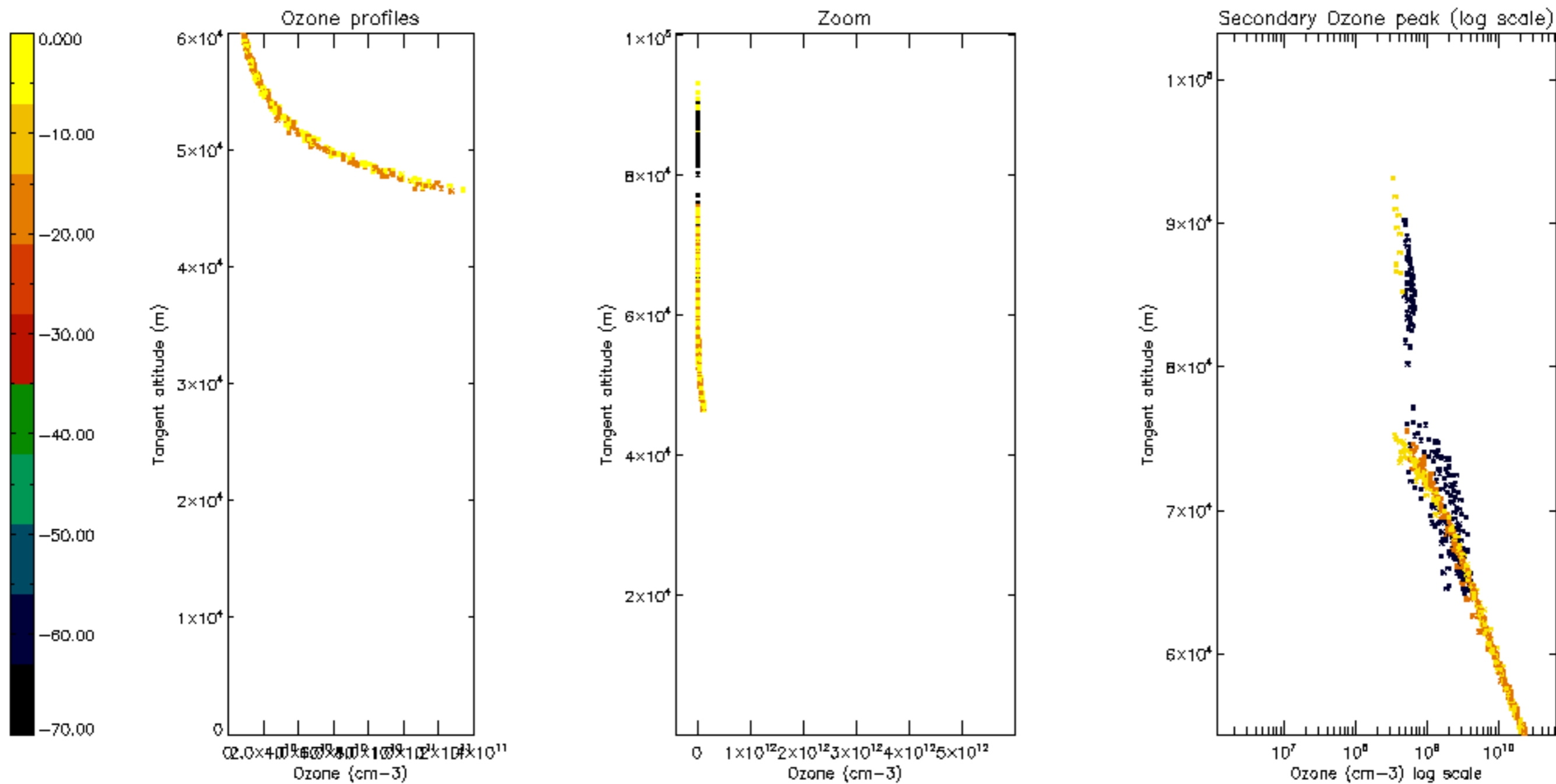
Percentage of saturation errors per profile

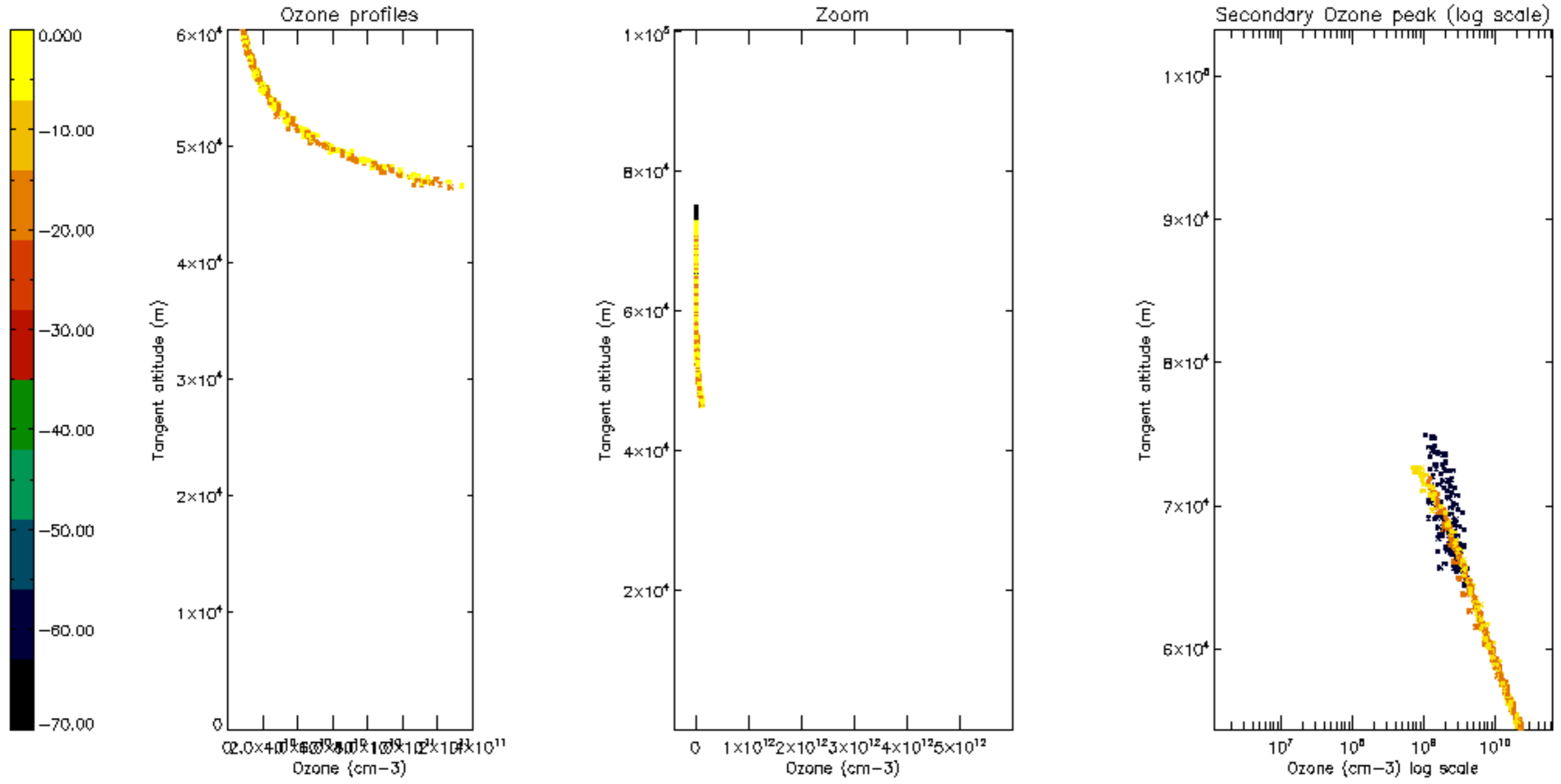


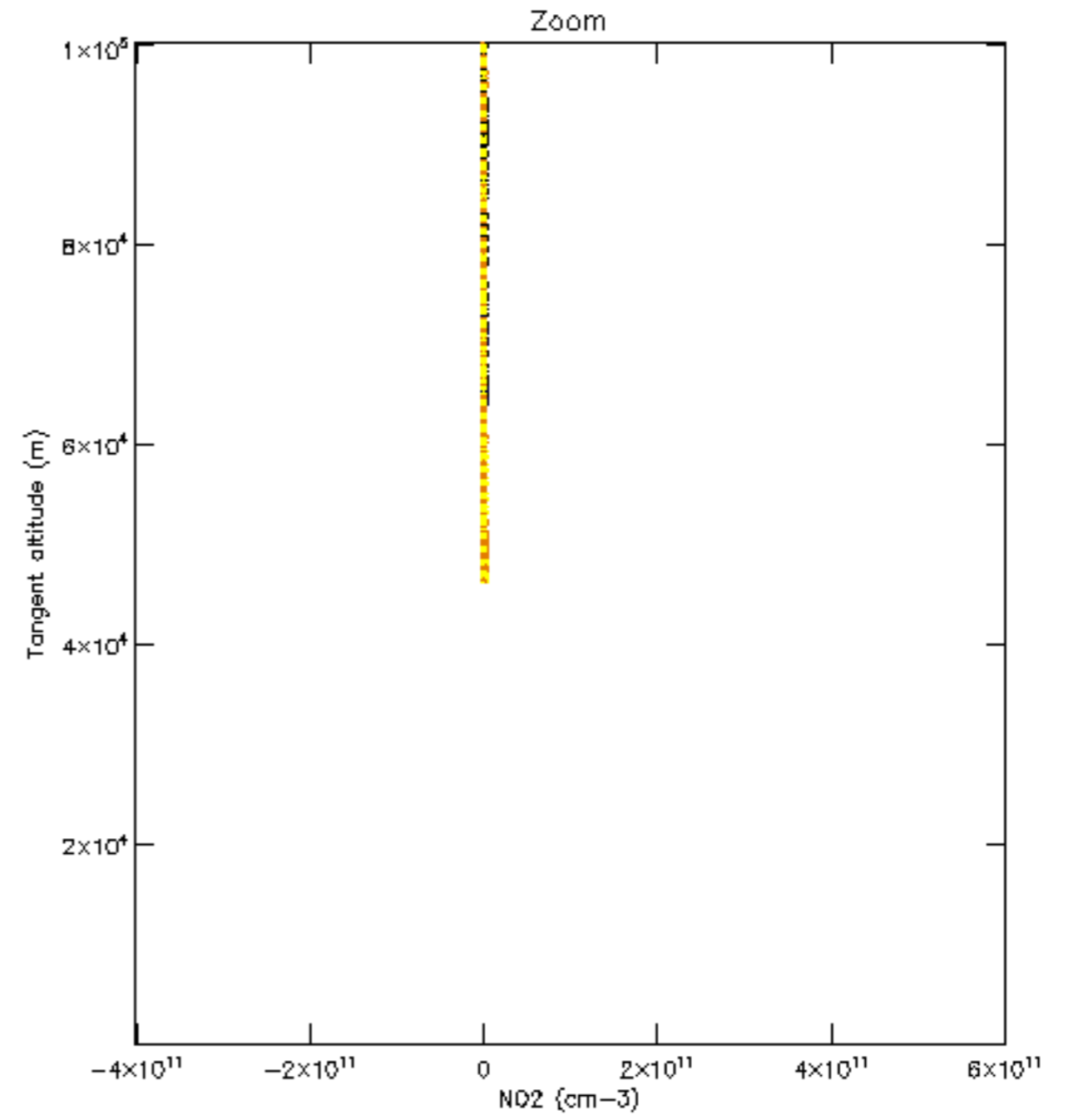
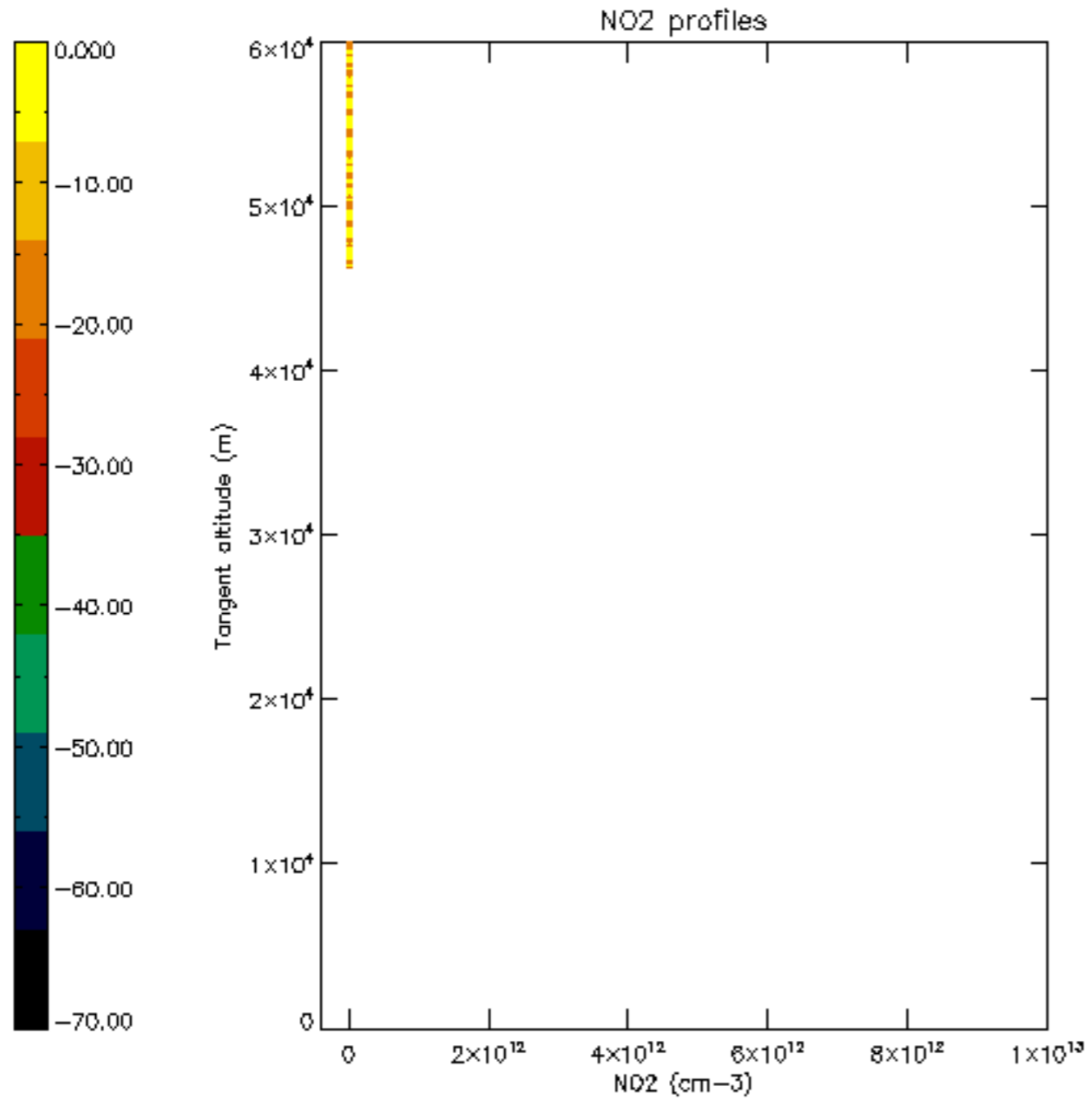


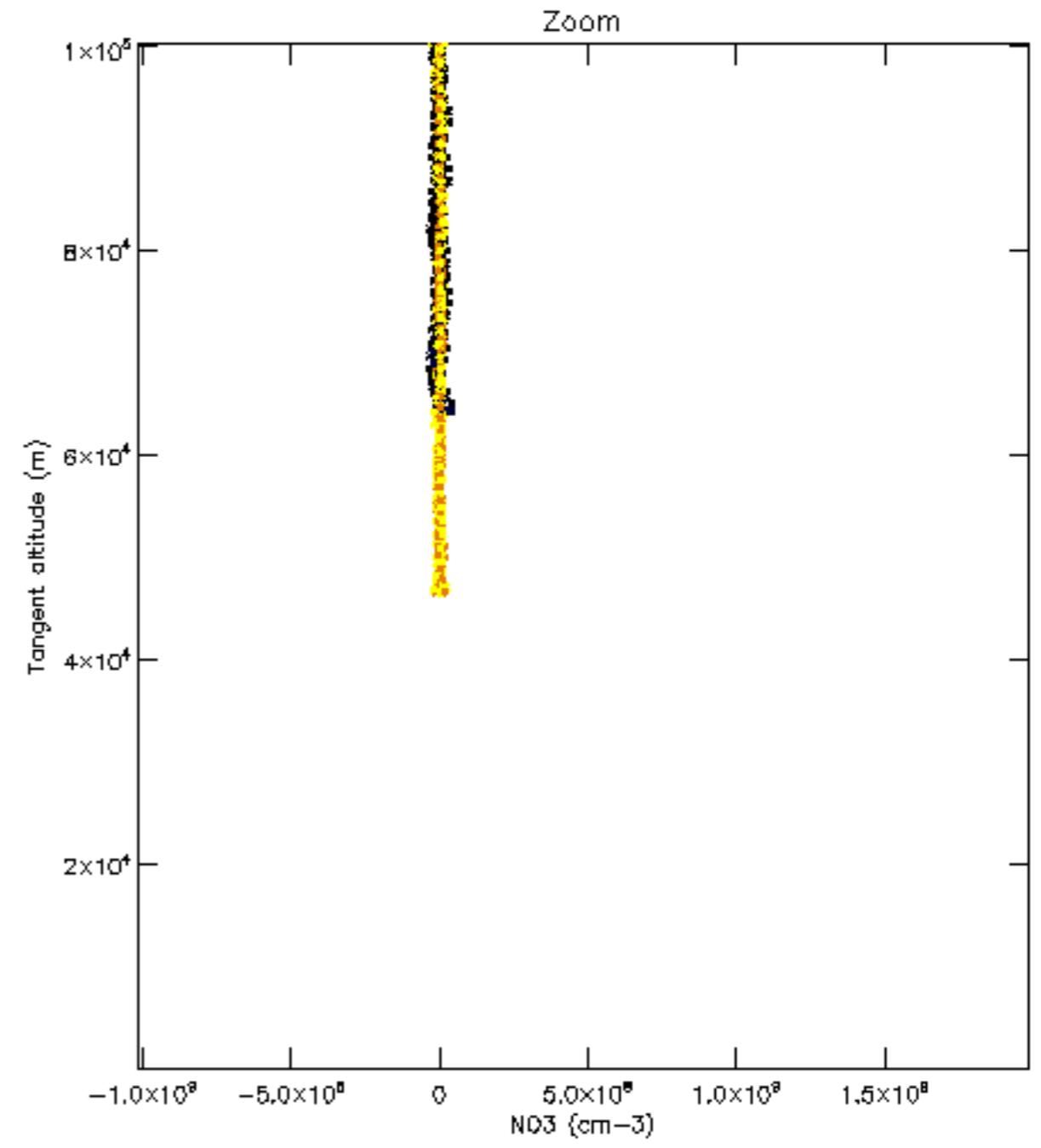
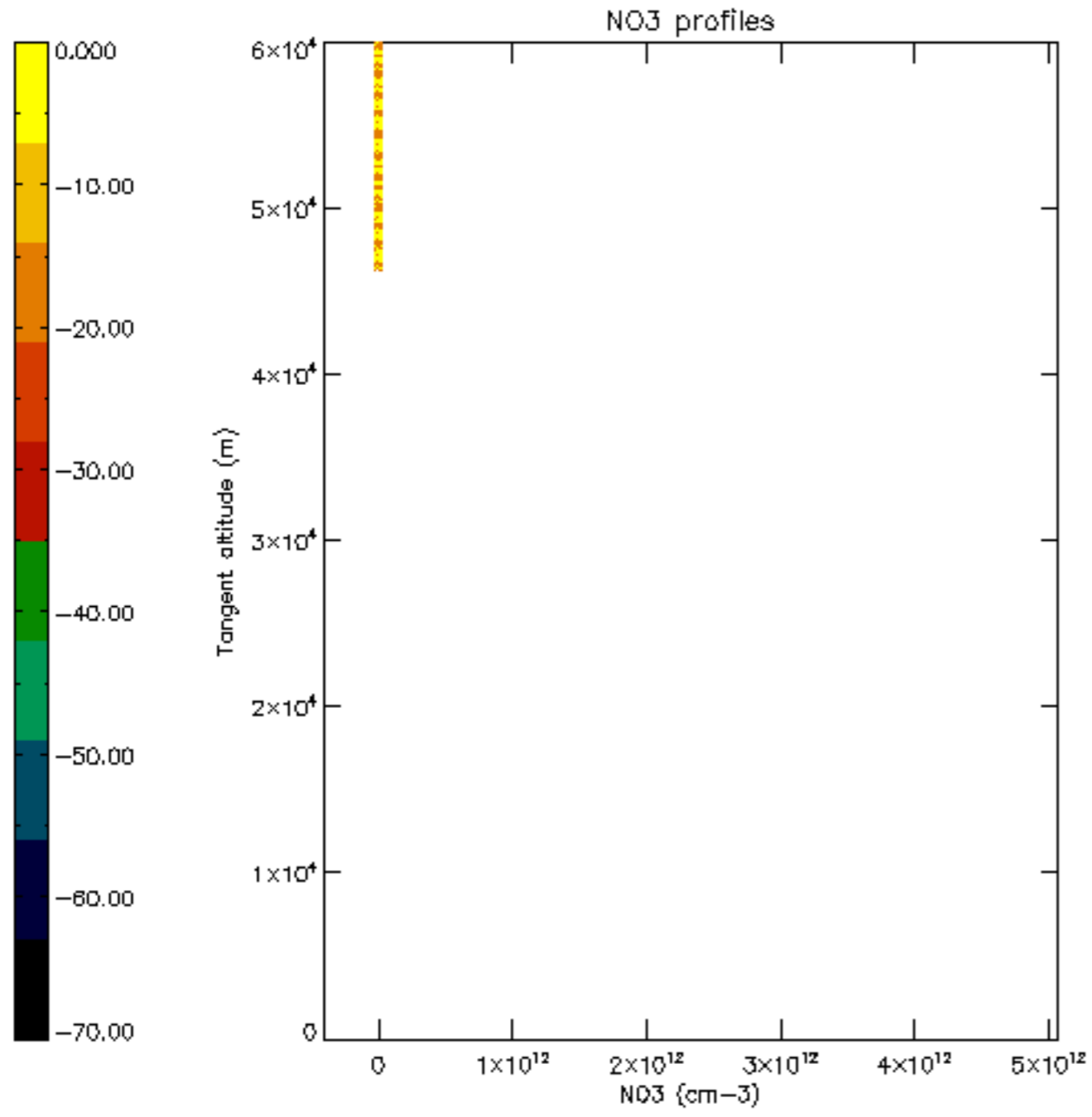


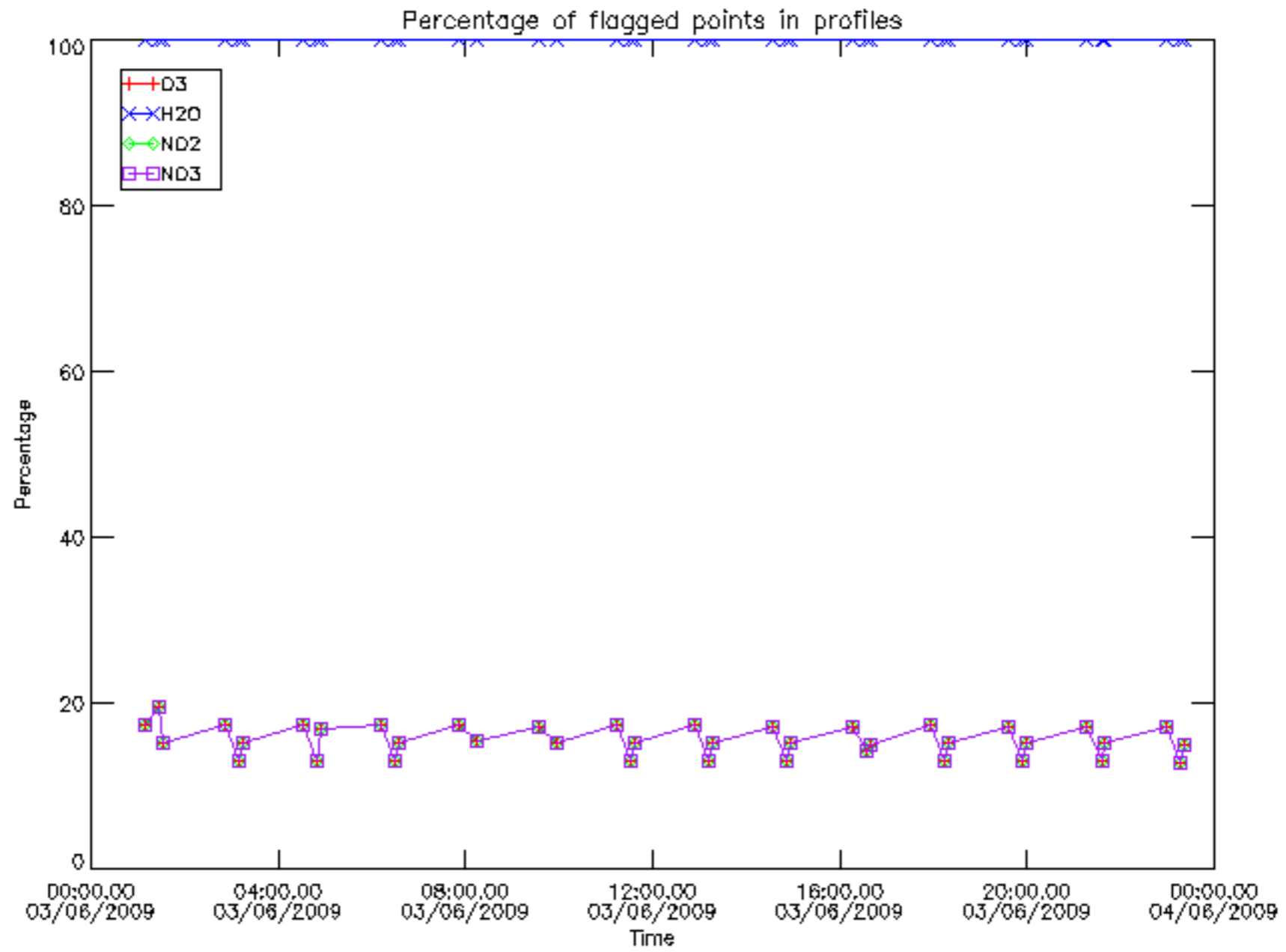




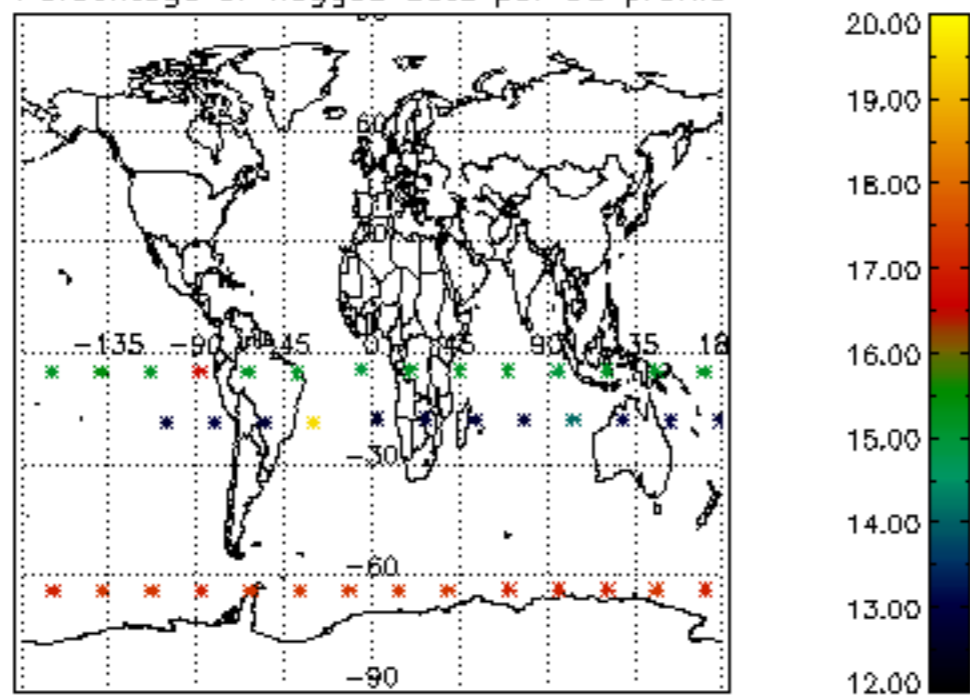




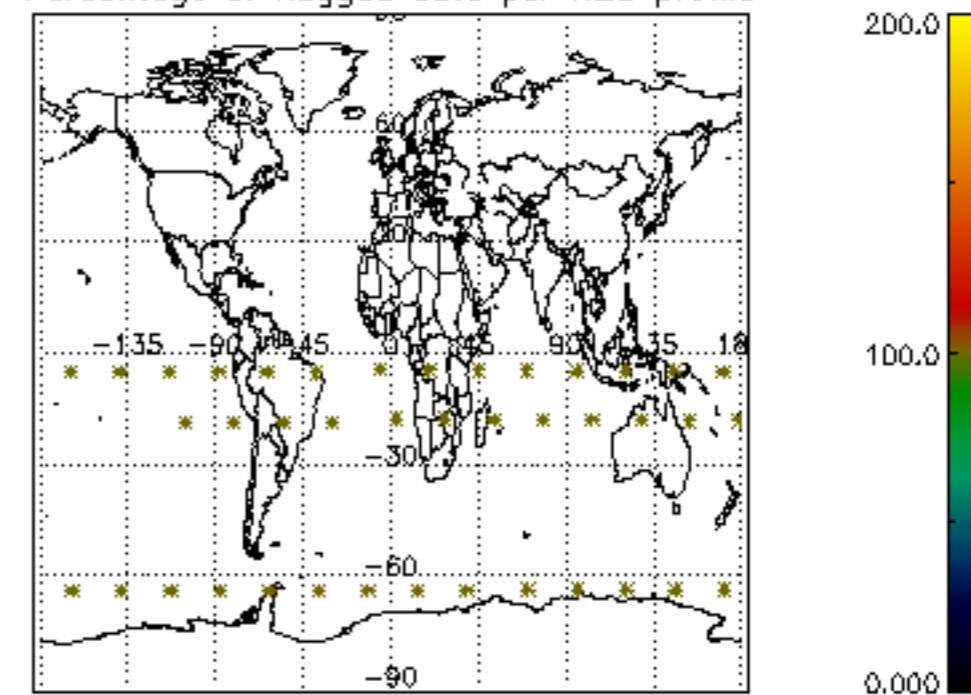




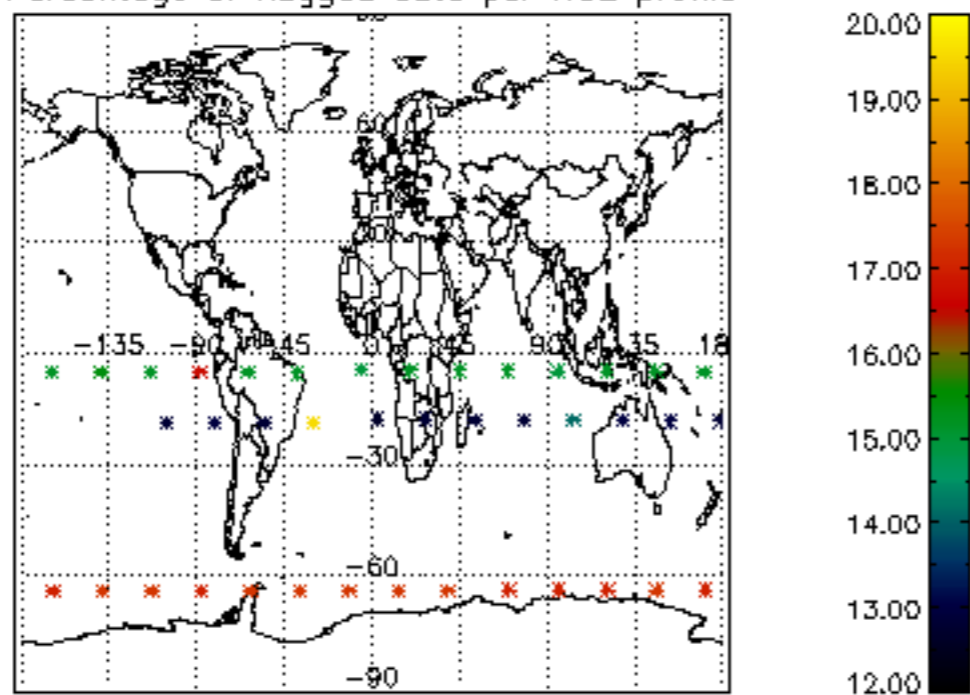
Percentage of flagged data per D3 profile



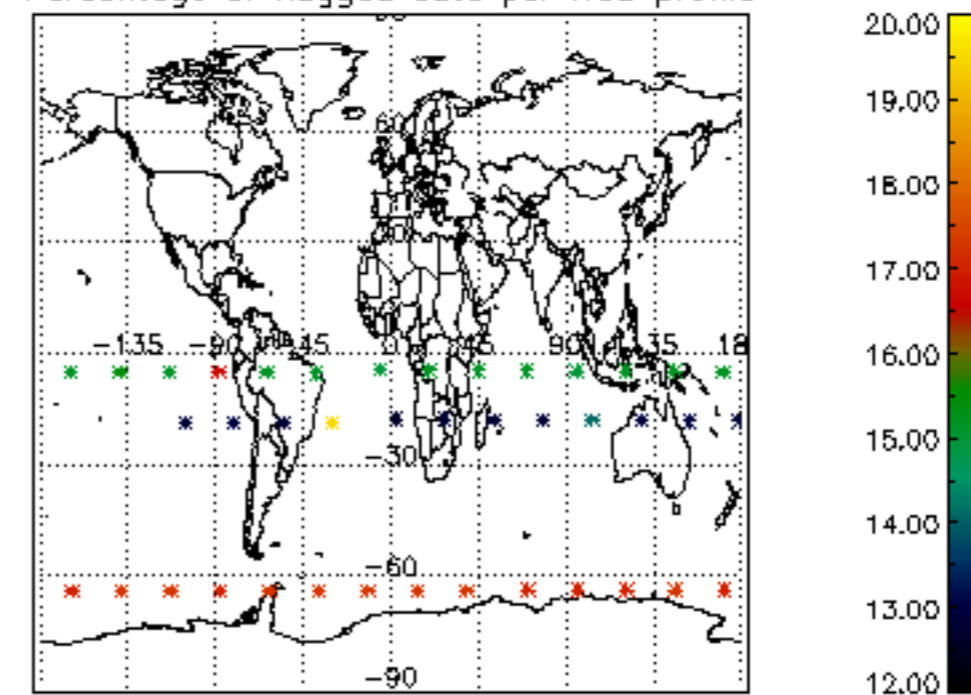
Percentage of flagged data per H2O profile

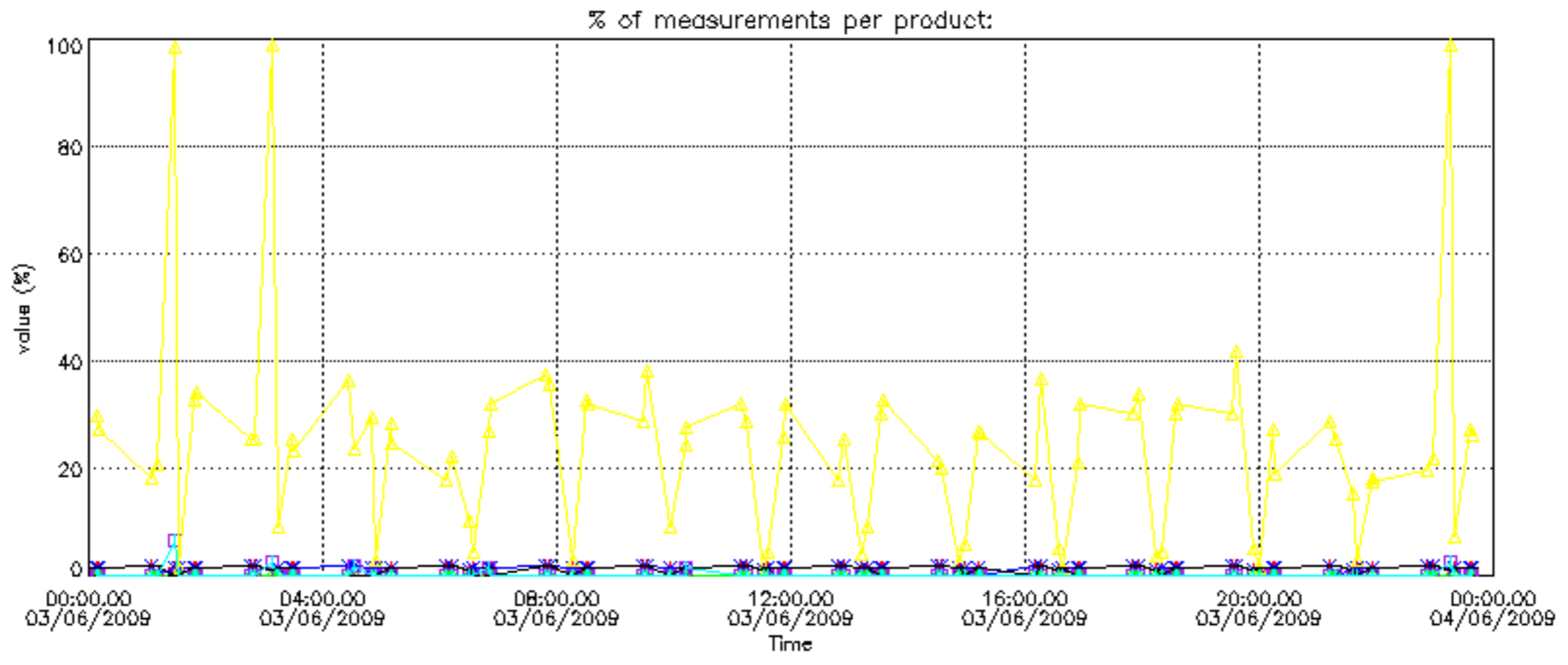


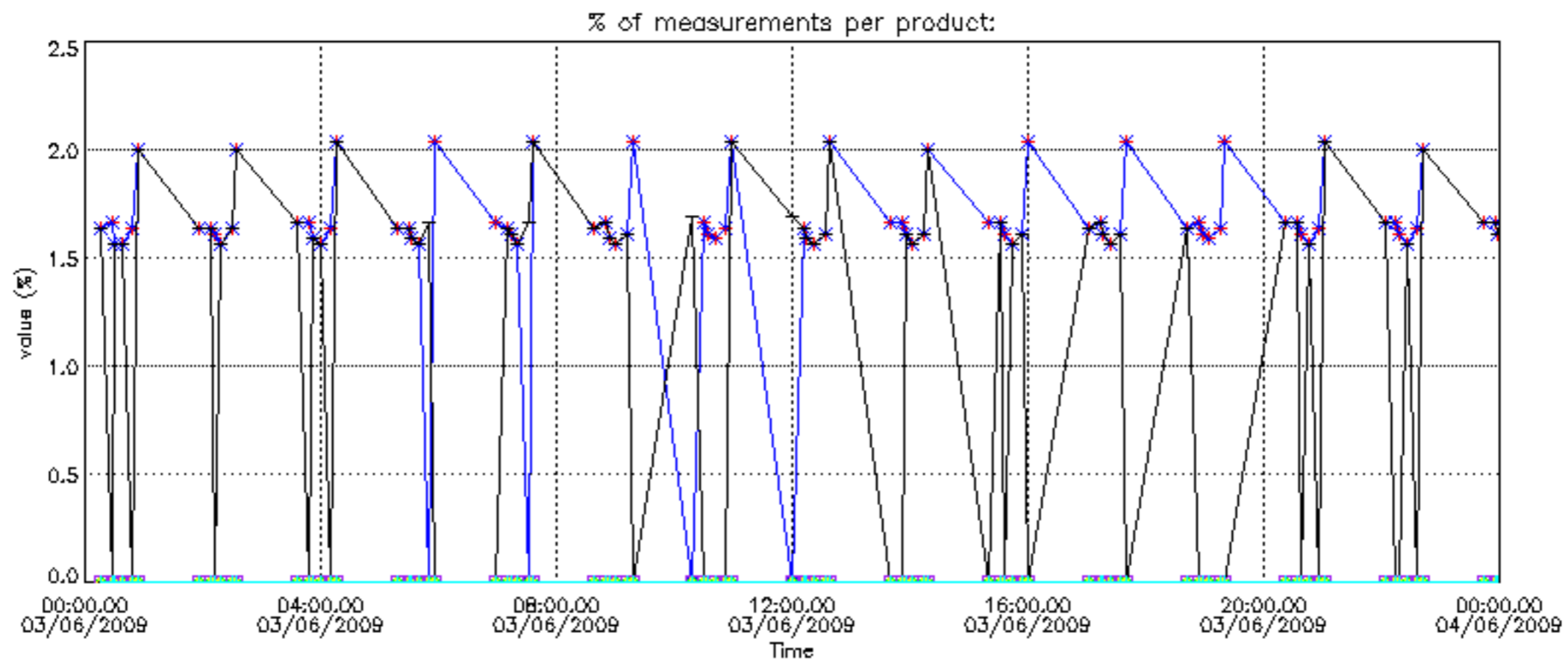
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

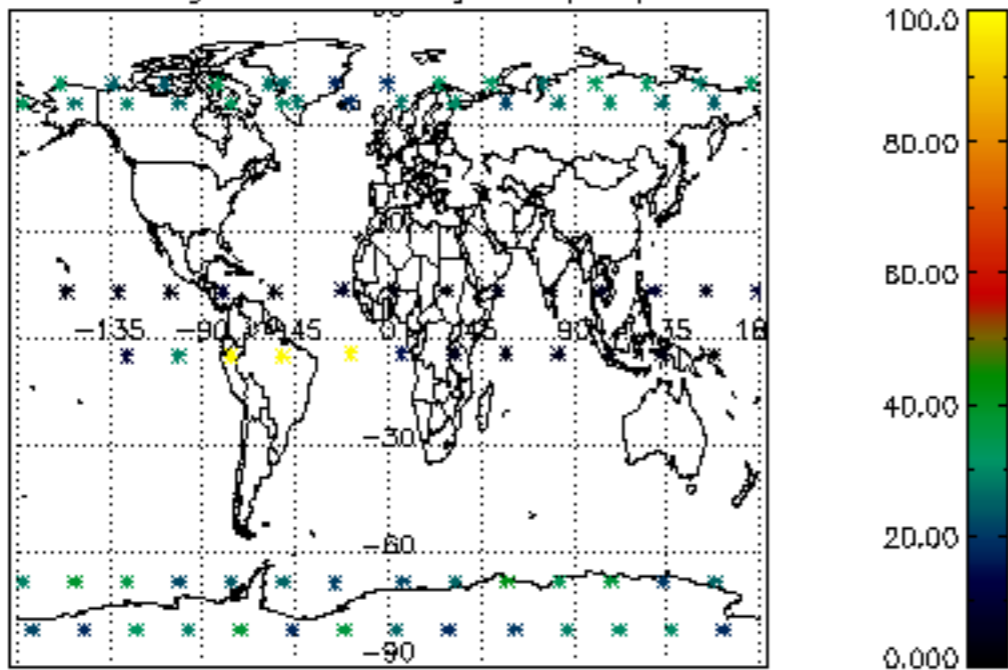




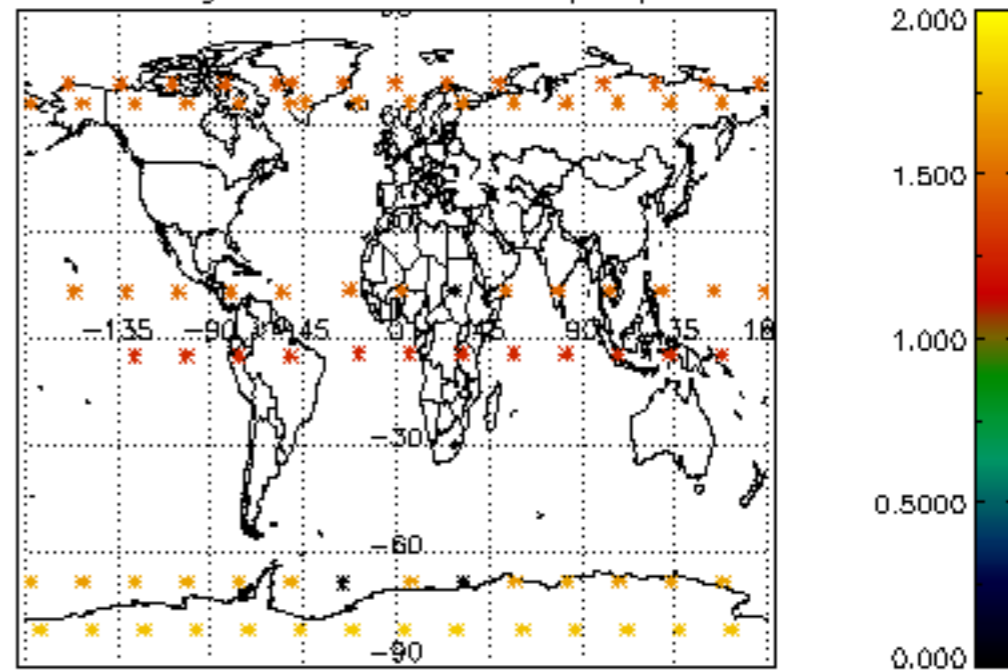




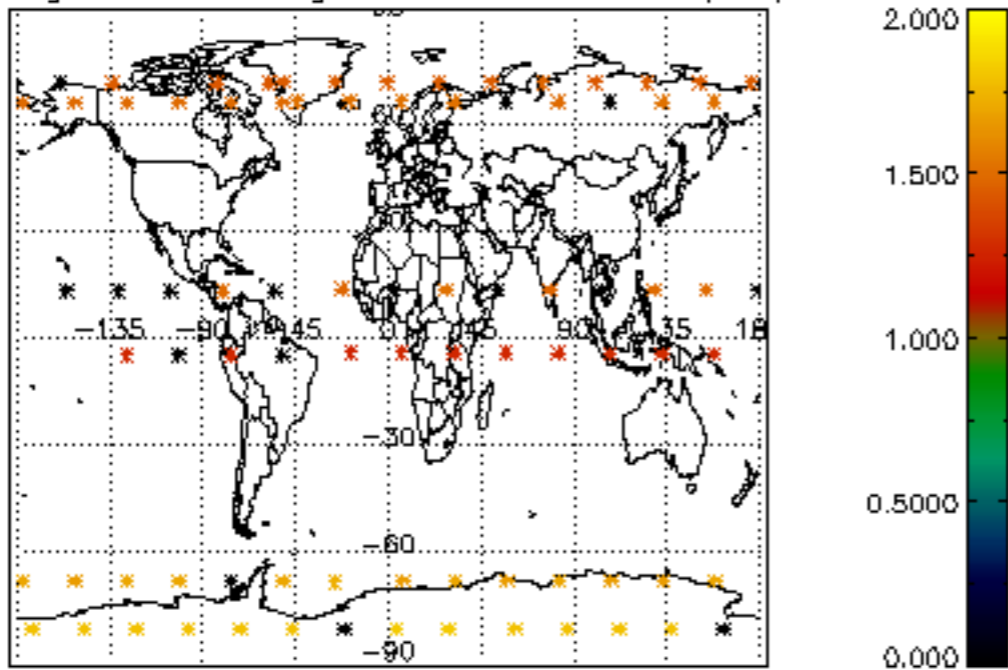
Percentage of cosmic ray hits per profile



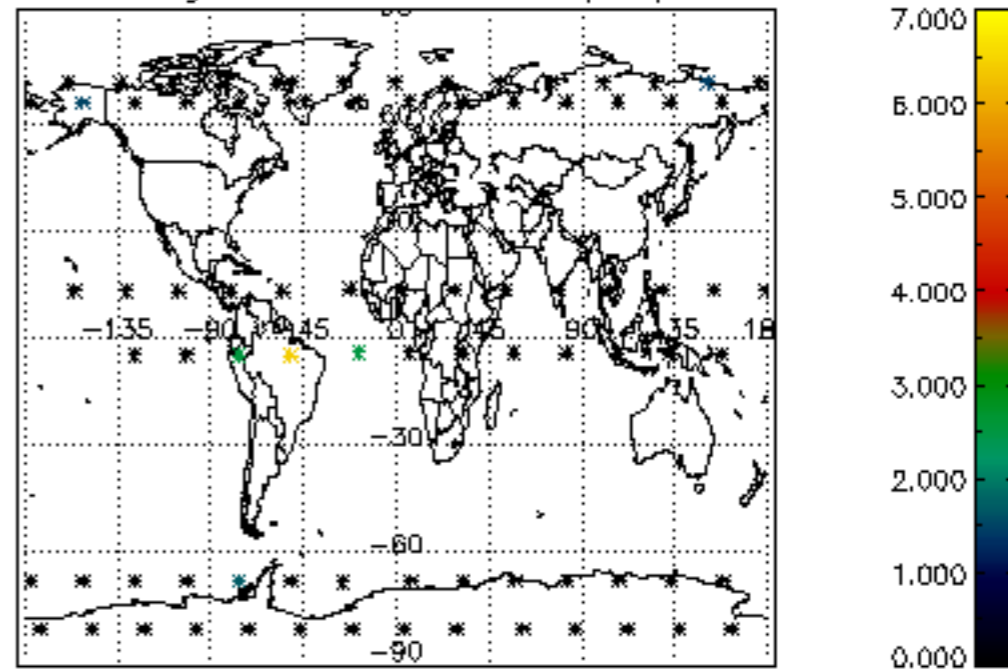
Percentage of datation errors per profile



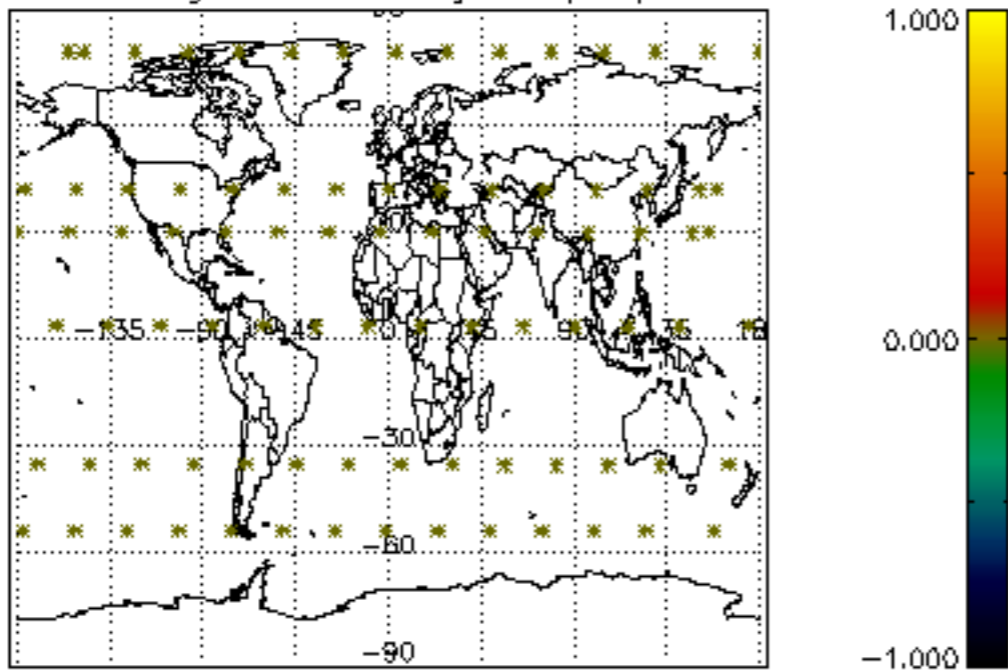
Percentage of star falling outside central band per profile



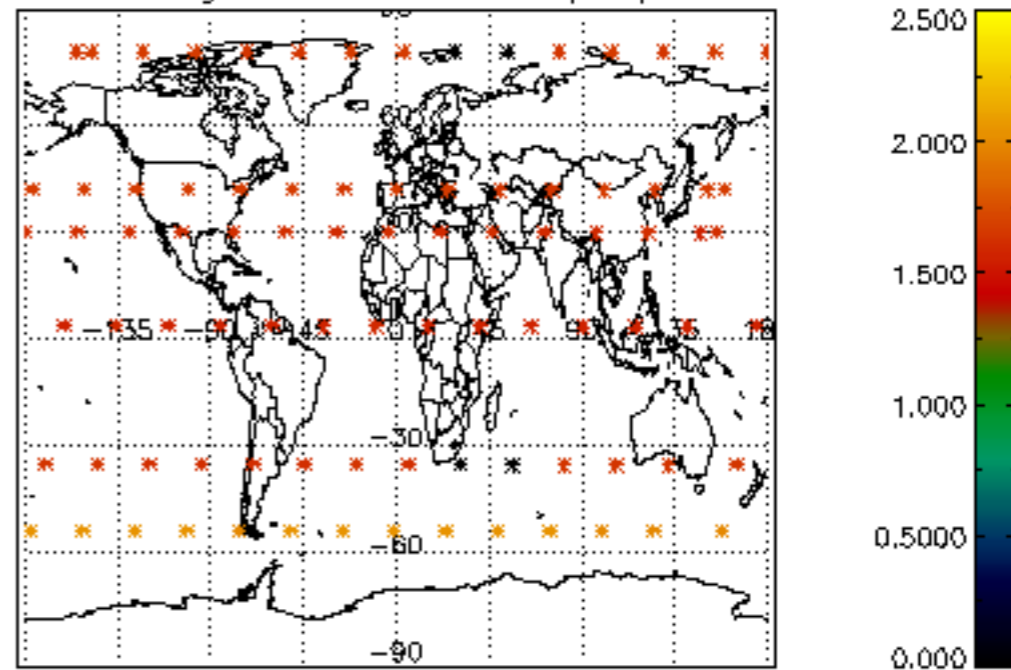
Percentage of saturation errors per profile



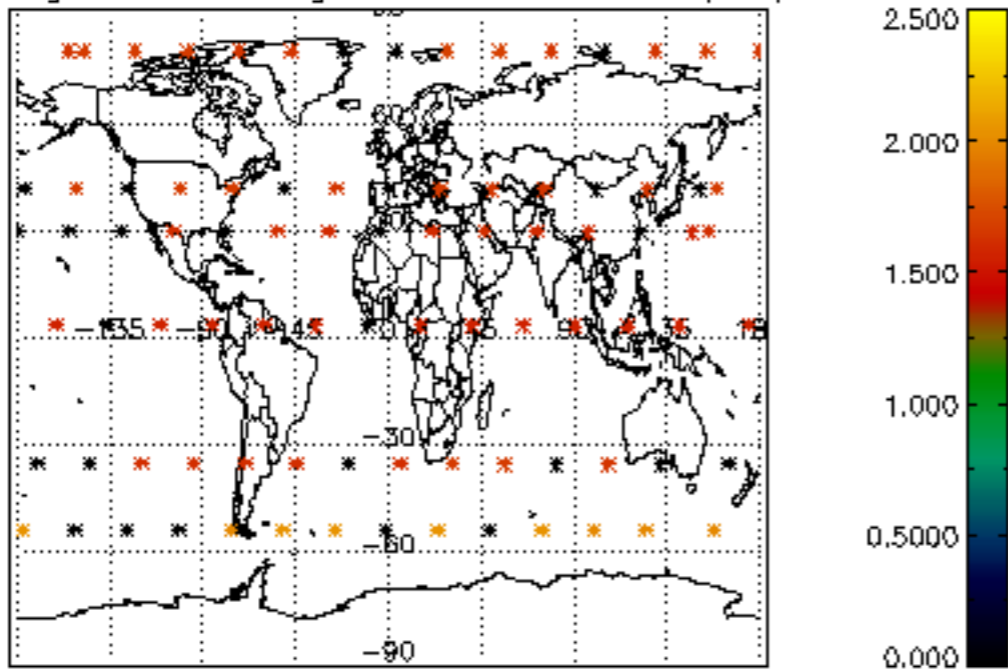
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

