

# 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 08:55:35
Data source version	GOMOS/6.01
Start time of products	20-04-2009 (20APR2009 00:00:00)
Stop time of products	21-04-2009 (21APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	155
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

**!Warning: No products without errors in BRIGHT limb contitions found**

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090420_000921_000000282078_00188_37316_8700.N1	20-APR-2009 00:09:21	Twi_and_stray	27.500	111	8Eta Boo	2.6800	6000.0	55	37316	No
2	GOM_NL__2PRFIN20090420_001654_000000312078_00188_37316_8701.N1	20-APR-2009 00:16:54	Twi_and_stray	30.500	180	27Gam Boo	3.0400	8000.0	61	37316	No
3	GOM_NL__2PRFIN20090420_002639_000000282078_00188_37316_8702.N1	20-APR-2009 00:26:39	Twi_and_stray	27.500	119	14Eta Dra	2.7270	4700.0	55	37316	No
4	GOM_NL__2PRFIN20090420_004545_000000242078_00188_37316_8703.N1	20-APR-2009 00:45:45	Twi_and_stray	24.000	92	53Eps Cyg	2.5000	4500.0	48	37316	No
5	GOM_NL__2PRFIN20090420_005334_000000222078_00188_37316_8704.N1	20-APR-2009 00:53:34	Dark	22.000	61	8Eps Peg	2.1000	3900.0	44	37316	No
6	GOM_NL__2PRFIN20090420_005854_000000242078_00188_37316_8705.N1	20-APR-2009 00:58:54	Dark	24.000	154	22Bet Aqr	2.8990	5700.0	48	37316	No
7	GOM_NL__2PRFIN20090420_012115_000000282078_00189_37317_8710.N1	20-APR-2009 01:21:15	Dark	28.000	147	Alp Ara	2.8770	26000.	56	37317	No
8	GOM_NL__2PRFIN20090420_012324_000000352078_00189_37317_8711.N1	20-APR-2009 01:23:24	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37317	No
9	GOM_NL__2PRFIN20090420_012708_000000352078_00189_37317_8712.N1	20-APR-2009 01:27:08	Straylight	34.500	75	26Eps Sco	2.2910	4250.0	69	37317	No
10	GOM_NL__2PRFIN20090420_012828_000000262078_00189_37317_8713.N1	20-APR-2009 01:28:28	Straylight	26.000	131	Gam Lup	2.8000	26000.	52	37317	No
11	GOM_NL__2PRFIN20090420_013815_000000282078_00189_37317_8714.N1	20-APR-2009 01:38:15	Twi_and_stray	28.000	122	9Alp2Lib	2.7470	9700.0	56	37317	No
12	GOM_NL__2PRFIN20090420_014957_000000272078_00189_37317_8715.N1	20-APR-2009 01:49:57	Twi_and_stray	27.000	111	8Eta Boo	2.6800	6000.0	54	37317	No
13	GOM_NL__2PRFIN20090420_015730_000000302078_00189_37317_8716.N1	20-APR-2009 01:57:30	Twi_and_stray	29.500	180	27Gam Boo	3.0400	8000.0	59	37317	No
14	GOM_NL__2PRFIN20090420_020714_000000272078_00189_37317_8717.N1	20-APR-2009 02:07:14	Twi_and_stray	26.500	119	14Eta Dra	2.7270	4700.0	53	37317	No
15	GOM_NL__2PRFIN20090420_022621_000000242078_00189_37317_8718.N1	20-APR-2009 02:26:21	Twi_and_stray	23.500	92	53Eps Cyg	2.5000	4500.0	47	37317	No
16	GOM_NL__2PRFIN20090420_023411_000000222078_00189_37317_8719.N1	20-APR-2009 02:34:11	Dark	21.500	61	8Eps Peg	2.1000	3900.0	43	37317	No
17	GOM_NL__2PRFIN20090420_023931_000000242078_00189_37317_8720.N1	20-APR-2009 02:39:31	Dark	24.000	154	22Bet Aqr	2.8990	5700.0	48	37317	No
18	GOM_NL__2PRFIN20090420_030152_000000372078_00190_37318_8725.N1	20-APR-2009 03:01:52	Dark	36.500	147	Alp Ara	2.8770	26000.	73	37318	No
19	GOM_NL__2PRFIN20090420_030401_000000412078_00190_37318_8726.N1	20-APR-2009 03:04:01	Straylight	40.500	25	35Lam Sco	1.6200	28000.	81	37318	No
20	GOM_NL__2PRFIN20090420_030745_000000402078_00190_37318_8727.N1	20-APR-2009 03:07:45	Straylight	39.500	75	26Eps Sco	2.2910	4250.0	79	37318	No
21	GOM_NL__2PRFIN20090420_030904_000000302078_00190_37318_8728.N1	20-APR-2009 03:09:04	Straylight	29.500	131	Gam Lup	2.8000	26000.	59	37318	No
22	GOM_NL__2PRFIN20090420_031851_000000322078_00190_37318_8729.N1	20-APR-2009 03:18:51	Twi_and_stray	32.000	122	9Alp2Lib	2.7470	9700.0	64	37318	No
23	GOM_NL__2PRFIN20090420_033032_000000302078_00190_37318_8730.N1	20-APR-2009 03:30:32	Twi_and_stray	30.000	111	8Eta Boo	2.6800	6000.0	60	37318	No
24	GOM_NL__2PRFIN20090420_033805_000000332078_00190_37318_8731.N1	20-APR-2009 03:38:05	Twi_and_stray	33.000	180	27Gam Boo	3.0400	8000.0	66	37318	No
25	GOM_NL__2PRFIN20090420_034749_000000302078_00190_37318_8732.N1	20-APR-2009 03:47:49	Twi_and_stray	29.500	119	14Eta Dra	2.7270	4700.0	59	37318	No
26	GOM_NL__2PRFIN20090420_040657_000000282078_00190_37318_8733.N1	20-APR-2009 04:06:57	Twi_and_stray	28.000	92	53Eps Cyg	2.5000	4500.0	56	37318	No
27	GOM_NL__2PRFIN20090420_041447_000000242078_00190_37318_8734.N1	20-APR-2009 04:14:47	Dark	23.500	61	8Eps Peg	2.1000	3900.0	47	37318	No
28	GOM_NL__2PRFIN20090420_042008_000000262078_00190_37318_8735.N1	20-APR-2009 04:20:08	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37318	No
29	GOM_NL__2PRFIN20090420_044230_000000322078_00191_37319_8739.N1	20-APR-2009 04:42:30	Dark	31.500	147	Alp Ara	2.8770	26000.	63	37319	No
30	GOM_NL__2PRFIN20090420_044438_000000382078_00191_37319_8740.N1	20-APR-2009 04:44:38	Straylight	38.000	25	35Lam Sco	1.6200	28000.	76	37319	No
31	GOM_NL__2PRFIN20090420_044822_000000382078_00191_37319_8741.N1	20-APR-2009 04:48:22	Straylight	37.500	75	26Eps Sco	2.2910	4250.0	75	37319	No
32	GOM_NL__2PRFIN20090420_044941_000000282078_00191_37319_8742.N1	20-APR-2009 04:49:41	Straylight	28.000	131	Gam Lup	2.8000	26000.	56	37319	No
33	GOM_NL__2PRFIN20090420_045927_000000302078_00191_37319_8743.N1	20-APR-2009 04:59:27	Twi_and_stray	30.000	122	9Alp2Lib	2.7470	9700.0	60	37319	No
34	GOM_NL__2PRFIN20090420_051108_000000292078_00191_37319_8744.N1	20-APR-2009 05:11:08	Twi_and_stray	28.500	111	8Eta Boo	2.6800	6000.0	57	37319	No
35	GOM_NL__2PRFIN20090420_051840_000000322078_00191_37319_8745.N1	20-APR-2009 05:18:40	Twi_and_stray	31.500	180	27Gam Boo	3.0400	8000.0	63	37319	No
36	GOM_NL__2PRFIN20090420_052825_000000282078_00191_37319_8746.N1	20-APR-2009 05:28:25	Twi_and_stray	28.000	119	14Eta Dra	2.7270	4700.0	56	37319	No
37	GOM_NL__2PRFIN20090420_054733_000000262078_00191_37319_8747.N1	20-APR-2009 05:47:33	Twi_and_stray	26.000	92	53Eps Cyg	2.5000	4500.0	52	37319	No
38	GOM_NL__2PRFIN20090420_055524_000000232078_00191_37319_8748.N1	20-APR-2009 05:55:24	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37319	No
39	GOM_NL__2PRFIN20090420_060045_000000262078_00191_37319_8749.N1	20-APR-2009 06:00:45	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37319	No
40	GOM_NL__2PRFIN20090420_062306_000000302078_00192_37320_8753.N1	20-APR-2009 06:23:06	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37320	No
41	GOM_NL__2PRFIN20090420_062515_000000382078_00192_37320_8754.N1	20-APR-2009 06:25:15	Straylight	37.500	25	35Lam Sco	1.6200	28000.	75	37320	No

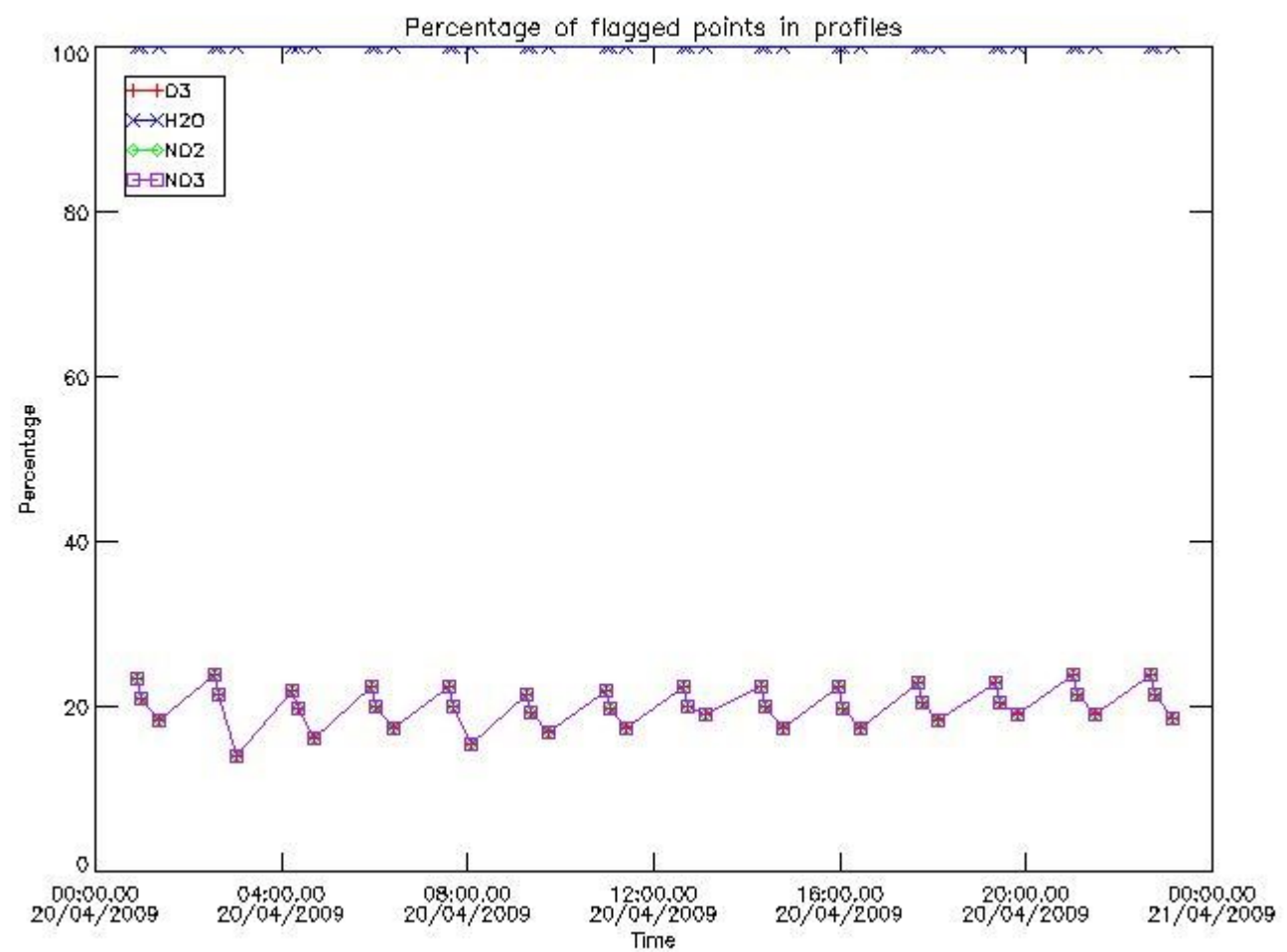
42	GOM_NL__2PRFIN20090420_062859_000000372078_00192_37320_8755.N1	20-APR-2009 06:28:59	Straylight	36.500	75	26Eps Sco	2.2910	4250.0	73	37320	No
43	GOM_NL__2PRFIN20090420_063018_000000282078_00192_37320_8756.N1	20-APR-2009 06:30:18	Straylight	27.500	131	Gam Lup	2.8000	26000.	55	37320	No
44	GOM_NL__2PRFIN20090420_064003_000000302078_00192_37320_8757.N1	20-APR-2009 06:40:03	Twi_and_stray	29.500	122	9Alp2Lib	2.7470	9700.0	59	37320	No
45	GOM_NL__2PRFIN20090420_065144_000000282078_00192_37320_8758.N1	20-APR-2009 06:51:44	Twi_and_stray	28.000	111	8Eta Boo	2.6800	6000.0	56	37320	No
46	GOM_NL__2PRFIN20090420_065915_000000312078_00192_37320_8759.N1	20-APR-2009 06:59:15	Twi_and_stray	31.000	180	27Gam Boo	3.0400	8000.0	62	37320	No
47	GOM_NL__2PRFIN20090420_070900_000000282078_00192_37320_8760.N1	20-APR-2009 07:09:00	Twi_and_stray	27.500	119	14Eta Dra	2.7270	4700.0	55	37320	No
48	GOM_NL__2PRFIN20090420_073600_000000232078_00192_37320_8761.N1	20-APR-2009 07:36:00	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37320	No
49	GOM_NL__2PRFIN20090420_074121_000000262078_00192_37320_8762.N1	20-APR-2009 07:41:21	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37320	No
50	GOM_NL__2PRFIN20090420_080342_000000332078_00193_37321_8767.N1	20-APR-2009 08:03:42	Dark	33.000	147	Alp Ara	2.8770	26000.	66	37321	No
51	GOM_NL__2PRFIN20090420_080552_000000402078_00193_37321_8768.N1	20-APR-2009 08:05:52	Straylight	39.500	25	35Lam Sco	1.6200	28000.	79	37321	No
52	GOM_NL__2PRFIN20090420_080936_000000392078_00193_37321_8769.N1	20-APR-2009 08:09:36	Straylight	38.500	75	26Eps Sco	2.2910	4250.0	77	37321	No
53	GOM_NL__2PRFIN20090420_081054_000000292078_00193_37321_8770.N1	20-APR-2009 08:10:54	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37321	No
54	GOM_NL__2PRFIN20090420_082039_000000312078_00193_37321_8771.N1	20-APR-2009 08:20:39	Twi_and_stray	31.000	122	9Alp2Lib	2.7470	9700.0	62	37321	No
55	GOM_NL__2PRFIN20090420_083219_000000302078_00193_37321_8772.N1	20-APR-2009 08:32:19	Twi_and_stray	29.500	111	8Eta Boo	2.6800	6000.0	59	37321	No
56	GOM_NL__2PRFIN20090420_083950_000000332078_00193_37321_8773.N1	20-APR-2009 08:39:50	Twi_and_stray	32.500	180	27Gam Boo	3.0400	8000.0	65	37321	No
57	GOM_NL__2PRFIN20090420_084935_000000302078_00193_37321_8774.N1	20-APR-2009 08:49:35	Twi_and_stray	29.500	119	14Eta Dra	2.7270	4700.0	59	37321	No
58	GOM_NL__2PRFIN20090420_091637_000000242078_00193_37321_8775.N1	20-APR-2009 09:16:37	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37321	No
59	GOM_NL__2PRFIN20090420_092158_000000272078_00193_37321_8776.N1	20-APR-2009 09:21:58	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37321	No
60	GOM_NL__2PRFIN20090420_094419_000000312078_00194_37322_8781.N1	20-APR-2009 09:44:19	Dark	30.500	147	Alp Ara	2.8770	26000.	61	37322	No
61	GOM_NL__2PRFIN20090420_094629_000000382078_00194_37322_8782.N1	20-APR-2009 09:46:29	Straylight	38.000	25	35Lam Sco	1.6200	28000.	76	37322	No
62	GOM_NL__2PRFIN20090420_095013_000000372078_00194_37322_8783.N1	20-APR-2009 09:50:13	Straylight	37.000	75	26Eps Sco	2.2910	4250.0	74	37322	No
63	GOM_NL__2PRFIN20090420_095130_000000292078_00194_37322_8784.N1	20-APR-2009 09:51:30	Straylight	28.500	131	Gam Lup	2.8000	26000.	57	37322	No
64	GOM_NL__2PRFIN20090420_100115_000000302078_00194_37322_8785.N1	20-APR-2009 10:01:15	Twi_and_stray	30.000	122	9Alp2Lib	2.7470	9700.0	60	37322	No
65	GOM_NL__2PRFIN20090420_101255_000000292078_00194_37322_8786.N1	20-APR-2009 10:12:55	Twi_and_stray	29.000	111	8Eta Boo	2.6800	6000.0	58	37322	No
66	GOM_NL__2PRFIN20090420_102026_000000322078_00194_37322_8787.N1	20-APR-2009 10:20:26	Twi_and_stray	31.500	180	27Gam Boo	3.0400	8000.0	63	37322	No
67	GOM_NL__2PRFIN20090420_103010_000000292078_00194_37322_8788.N1	20-APR-2009 10:30:10	Twi_and_stray	29.000	119	14Eta Dra	2.7270	4700.0	58	37322	No
68	GOM_NL__2PRFIN20090420_104443_000000252078_00194_37322_8789.N1	20-APR-2009 10:44:43	Twi_and_stray	24.500	19	50Alp Cyg	1.2460	10500.	49	37322	No
69	GOM_NL__2PRFIN20090420_105713_000000242078_00194_37322_8790.N1	20-APR-2009 10:57:13	Dark	23.500	61	8Eps Peg	2.1000	3900.0	47	37322	No
70	GOM_NL__2PRFIN20090420_110235_000000262078_00194_37322_8791.N1	20-APR-2009 11:02:35	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37322	No
71	GOM_NL__2PRFIN20090420_112456_000000302078_00195_37323_8795.N1	20-APR-2009 11:24:56	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37323	No
72	GOM_NL__2PRFIN20090420_112706_000000372078_00195_37323_8796.N1	20-APR-2009 11:27:06	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	37323	No
73	GOM_NL__2PRFIN20090420_113050_000000362078_00195_37323_8797.N1	20-APR-2009 11:30:50	Straylight	36.000	75	26Eps Sco	2.2910	4250.0	72	37323	No
74	GOM_NL__2PRFIN20090420_113207_000000282078_00195_37323_8798.N1	20-APR-2009 11:32:07	Straylight	27.500	131	Gam Lup	2.8000	26000.	55	37323	No
75	GOM_NL__2PRFIN20090420_114151_000000292078_00195_37323_8799.N1	20-APR-2009 11:41:51	Twi_and_stray	29.000	122	9Alp2Lib	2.7470	9700.0	58	37323	No
76	GOM_NL__2PRFIN20090420_115330_000000282078_00195_37323_8800.N1	20-APR-2009 11:53:30	Twi_and_stray	28.000	111	8Eta Boo	2.6800	6000.0	56	37323	No
77	GOM_NL__2PRFIN20090420_120101_000000312078_00195_37323_8801.N1	20-APR-2009 12:01:01	Twi_and_stray	31.000	180	27Gam Boo	3.0400	8000.0	62	37323	No
78	GOM_NL__2PRFIN20090420_121045_000000282078_00195_37323_8802.N1	20-APR-2009 12:10:45	Twi_and_stray	28.000	119	14Eta Dra	2.7270	4700.0	56	37323	No
79	GOM_NL__2PRFIN20090420_122519_000000242078_00195_37323_8803.N1	20-APR-2009 12:25:19	Twi_and_stray	24.000	19	50Alp Cyg	1.2460	10500.	48	37323	No
80	GOM_NL__2PRFIN20090420_123750_000000232078_00195_37323_8804.N1	20-APR-2009 12:37:50	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37323	No
81	GOM_NL__2PRFIN20090420_124311_000000262078_00195_37323_8805.N1	20-APR-2009 12:43:11	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37323	No
82	GOM_NL__2PRFIN20090420_130533_000000302078_00196_37324_8809.N1	20-APR-2009 13:05:33	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37324	No
83	GOM_NL__2PRFIN20090420_130743_000000372078_00196_37324_8810.N1	20-APR-2009 13:07:43	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	37324	No
84	GOM_NL__2PRFIN20090420_131126_000000362078_00196_37324_8811.N1	20-APR-2009 13:11:26	Straylight	36.000	75	26Eps Sco	2.2910	4250.0	72	37324	No
85	GOM_NL__2PRFIN20090420_131243_000000272078_00196_37324_8812.N1	20-APR-2009 13:12:43	Straylight	27.000	131	Gam Lup	2.8000	26000.	54	37324	No
86	GOM_NL__2PRFIN20090420_132227_000000302078_00196_37324_8813.N1	20-APR-2009 13:22:27	Twi_and_stray	29.500	122	9Alp2Lib	2.7470	9700.0	59	37324	No
87	GOM_NL__2PRFIN20090420_133406_000000282078_00196_37324_8814.N1	20-APR-2009 13:34:06	Twi_and_stray	27.500	111	8Eta Boo	2.6800	6000.0	55	37324	No
88	GOM_NL__2PRFIN20090420_134136_000000312078_00196_37324_8815.N1	20-APR-2009 13:41:36	Twi_and_stray	30.500	180	27Gam Boo	3.0400	8000.0	61	37324	No
89	GOM_NL__2PRFIN20090420_135121_000000282078_00196_37324_8816.N1	20-APR-2009 13:51:21	Twi_and_stray	28.000	119	14Eta Dra	2.7270	4700.0	56	37324	No
90	GOM_NL__2PRFIN20090420_140554_000000242078_00196_37324_8817.N1	20-APR-2009 14:05:54	Twi_and_stray	23.500	19	50Alp Cyg	1.2460	10500.	47	37324	No
91	GOM_NL__2PRFIN20090420_141826_000000232078_00196_37324_8818.N1	20-APR-2009 14:18:26	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37324	No
92	GOM_NL__2PRFIN20090420_142348_000000262078_00196_37324_8819.N1	20-APR-2009 14:23:48	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37324	No
93	GOM_NL__2PRFIN20090420_144610_000000302078_00197_37325_8843.N1	20-APR-2009 14:46:10	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37325	No
94	GOM_NL__2PRFIN20090420_144820_000000382078_00197_37325_8844.N1	20-APR-2009 14:48:20	Straylight	37.500	25	35Lam Sco	1.6200	28000.	75	37325	No
95	GOM_NL__2PRFIN20090420_145204_000000372078_00197_37325_8845.N1	20-APR-2009 14:52:04	Straylight	36.500	75	26Eps Sco	2.2910	4250.0	73	37325	No
96	GOM_NL__2PRFIN20090420_145320_000000272078_00197_37325_8846.N1	20-APR-2009 14:53:20	Straylight	27.000	131	Gam Lup	2.8000	26000.	54	37325	No
97	GOM_NL__2PRFIN20090420_150303_000000302078_00197_37325_8847.N1	20-APR-2009 15:03:03	Twi_and_stray	29.500	122	9Alp2Lib	2.7470	9700.0	59	37325	No
98	GOM_NL__2PRFIN20090420_151442_000000282078_00197_37325_8848.N1	20-APR-2009 15:14:42	Twi_and_stray	28.000	111	8Eta Boo	2.6800	6000.0	56	37325	No
99	GOM_NL__2PRFIN20090420_152211_000000322078_00197_37325_8849.N1	20-APR-2009 15:22:11	Twi_and_stray	31.500	180	27Gam Boo	3.0400	8000.0	63	37325	No
100	GOM_NL__2PRFIN20090420_153156_000000292078_00197_37325_8850.N1	20-APR-2009 15:31:56	Twi_and_stray	28.500	119	14Eta Dra	2.7270	4700.0	57	37325	No

101	GOM_NL__2PRFIN20090420_154630_000000242078_00197_37325_8851.N1	20-APR-2009 15:46:30	Twilight	24.000	19	50Alp Cyg	1.2460	10500.	48	37325	No
102	GOM_NL__2PRFIN20090420_155903_000000232078_00197_37325_8852.N1	20-APR-2009 15:59:03	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37325	No
103	GOM_NL__2PRFIN20090420_160425_000000262078_00197_37325_8853.N1	20-APR-2009 16:04:25	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37325	No
104	GOM_NL__2PRFIN20090420_162646_000000302078_00198_37326_8858.N1	20-APR-2009 16:26:46	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37326	No
105	GOM_NL__2PRFIN20090420_162858_000000372078_00198_37326_8859.N1	20-APR-2009 16:28:58	Straylight	36.500	25	35Lam Sco	1.6200	28000.	73	37326	No
106	GOM_NL__2PRFIN20090420_163240_000000352078_00198_37326_8860.N1	20-APR-2009 16:32:40	Straylight	35.000	75	26Eps Sco	2.2910	4250.0	70	37326	No
107	GOM_NL__2PRFIN20090420_164339_000000292078_00198_37326_8861.N1	20-APR-2009 16:43:39	Twilight	29.000	122	9Alp2Lib	2.7470	9700.0	58	37326	No
108	GOM_NL__2PRFIN20090420_165517_000000272078_00198_37326_8862.N1	20-APR-2009 16:55:17	Twilight	27.000	111	8Eta Boo	2.6800	6000.0	54	37326	No
109	GOM_NL__2PRFIN20090420_170247_000000302078_00198_37326_8863.N1	20-APR-2009 17:02:47	Twilight	30.000	180	27Gam Boo	3.0400	8000.0	60	37326	No
110	GOM_NL__2PRFIN20090420_170420_000000262078_00198_37326_8864.N1	20-APR-2009 17:04:20	Twilight	25.500	39	85Eta UMa	1.8540	24000.	51	37326	No
111	GOM_NL__2PRFIN20090420_171231_000000282078_00198_37326_8865.N1	20-APR-2009 17:12:31	Twilight	27.500	119	14Eta Dra	2.7270	4700.0	55	37326	No
112	GOM_NL__2PRFIN20090420_172706_000000242078_00198_37326_8866.N1	20-APR-2009 17:27:06	Twilight	23.500	19	50Alp Cyg	1.2460	10500.	47	37326	No
113	GOM_NL__2PRFIN20090420_173939_000000232078_00198_37326_8867.N1	20-APR-2009 17:39:39	Dark	22.500	61	8Eps Peg	2.1000	3900.0	45	37326	No
114	GOM_NL__2PRFIN20090420_174502_000000252078_00198_37326_8868.N1	20-APR-2009 17:45:02	Dark	25.000	154	22Bet Aqr	2.8990	5700.0	50	37326	No
115	GOM_NL__2PRFIN20090420_180723_000000282078_00199_37327_8875.N1	20-APR-2009 18:07:23	Dark	28.000	147	Alp Ara	2.8770	26000.	56	37327	No
116	GOM_NL__2PRFIN20090420_180935_000000362078_00199_37327_8876.N1	20-APR-2009 18:09:35	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37327	No
117	GOM_NL__2PRFIN20090420_181317_000000352078_00199_37327_8877.N1	20-APR-2009 18:13:17	Straylight	35.000	75	26Eps Sco	2.2910	4250.0	70	37327	No
118	GOM_NL__2PRFIN20090420_182416_000000292078_00199_37327_8878.N1	20-APR-2009 18:24:16	Twilight	28.500	122	9Alp2Lib	2.7470	9700.0	57	37327	No
119	GOM_NL__2PRFIN20090420_183553_000000272078_00199_37327_8879.N1	20-APR-2009 18:35:53	Twilight	27.000	111	8Eta Boo	2.6800	6000.0	54	37327	No
120	GOM_NL__2PRFIN20090420_184322_000000302078_00199_37327_8880.N1	20-APR-2009 18:43:22	Twilight	30.000	180	27Gam Boo	3.0400	8000.0	60	37327	No
121	GOM_NL__2PRFIN20090420_184456_000000262078_00199_37327_8881.N1	20-APR-2009 18:44:56	Twilight	25.500	39	85Eta UMa	1.8540	24000.	51	37327	No
122	GOM_NL__2PRFIN20090420_185307_000000282078_00199_37327_8882.N1	20-APR-2009 18:53:07	Twilight	27.500	119	14Eta Dra	2.7270	4700.0	55	37327	No
123	GOM_NL__2PRFIN20090420_190742_000000232078_00199_37327_8883.N1	20-APR-2009 19:07:42	Twilight	23.000	19	50Alp Cyg	1.2460	10500.	46	37327	No
124	GOM_NL__2PRFIN20090420_192016_000000232078_00199_37327_8884.N1	20-APR-2009 19:20:16	Dark	22.500	61	8Eps Peg	2.1000	3900.0	45	37327	No
125	GOM_NL__2PRFIN20090420_192538_000000252078_00199_37327_8885.N1	20-APR-2009 19:25:38	Dark	25.000	154	22Bet Aqr	2.8990	5700.0	50	37327	No
126	GOM_NL__2PRFIN20090420_194800_000000272078_00200_37328_8891.N1	20-APR-2009 19:48:00	Dark	27.000	147	Alp Ara	2.8770	26000.	54	37328	No
127	GOM_NL__2PRFIN20090420_195012_000000352078_00200_37328_8892.N1	20-APR-2009 19:50:12	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37328	No
128	GOM_NL__2PRFIN20090420_195354_000000342078_00200_37328_8893.N1	20-APR-2009 19:53:54	Straylight	33.500	75	26Eps Sco	2.2910	4250.0	67	37328	No
129	GOM_NL__2PRFIN20090420_200451_000000282078_00200_37328_8894.N1	20-APR-2009 20:04:51	Twilight	27.500	122	9Alp2Lib	2.7470	9700.0	55	37328	No
130	GOM_NL__2PRFIN20090420_201628_000000272078_00200_37328_8895.N1	20-APR-2009 20:16:28	Twilight	26.500	111	8Eta Boo	2.6800	6000.0	53	37328	No
131	GOM_NL__2PRFIN20090420_202357_000000292078_00200_37328_8896.N1	20-APR-2009 20:23:57	Twilight	29.000	180	27Gam Boo	3.0400	8000.0	58	37328	No
132	GOM_NL__2PRFIN20090420_202531_000000252078_00200_37328_8897.N1	20-APR-2009 20:25:31	Twilight	24.500	39	85Eta UMa	1.8540	24000.	49	37328	No
133	GOM_NL__2PRFIN20090420_203342_000000272078_00200_37328_8898.N1	20-APR-2009 20:33:42	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37328	No
134	GOM_NL__2PRFIN20090420_204817_000000222078_00200_37328_8899.N1	20-APR-2009 20:48:17	Twilight	22.000	19	50Alp Cyg	1.2460	10500.	44	37328	No
135	GOM_NL__2PRFIN20090420_210052_000000212078_00200_37328_8900.N1	20-APR-2009 21:00:52	Dark	21.000	61	8Eps Peg	2.1000	3900.0	42	37328	No
136	GOM_NL__2PRFIN20090420_210615_000000242078_00200_37328_8901.N1	20-APR-2009 21:06:15	Dark	24.000	154	22Bet Aqr	2.8990	5700.0	48	37328	No
137	GOM_NL__2PRFIN20090420_212837_000000272078_00201_37329_8907.N1	20-APR-2009 21:28:37	Dark	27.000	147	Alp Ara	2.8770	26000.	54	37329	No
138	GOM_NL__2PRFIN20090420_213049_000000352078_00201_37329_8908.N1	20-APR-2009 21:30:49	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37329	No
139	GOM_NL__2PRFIN20090420_213431_000000342078_00201_37329_8909.N1	20-APR-2009 21:34:31	Straylight	33.500	75	26Eps Sco	2.2910	4250.0	67	37329	No
140	GOM_NL__2PRFIN20090420_214528_000000272078_00201_37329_8910.N1	20-APR-2009 21:45:28	Twilight	27.000	122	9Alp2Lib	2.7470	9700.0	54	37329	No
141	GOM_NL__2PRFIN20090420_215704_000000262078_00201_37329_8911.N1	20-APR-2009 21:57:04	Twilight	26.000	111	8Eta Boo	2.6800	6000.0	52	37329	No
142	GOM_NL__2PRFIN20090420_220432_000000292078_00201_37329_8912.N1	20-APR-2009 22:04:32	Twilight	29.000	180	27Gam Boo	3.0400	8000.0	58	37329	No
143	GOM_NL__2PRFIN20090420_220607_000000252078_00201_37329_8913.N1	20-APR-2009 22:06:07	Twilight	24.500	39	85Eta UMa	1.8540	24000.	49	37329	No
144	GOM_NL__2PRFIN20090420_221417_000000272078_00201_37329_8914.N1	20-APR-2009 22:14:17	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37329	No
145	GOM_NL__2PRFIN20090420_222853_000000222078_00201_37329_8915.N1	20-APR-2009 22:28:53	Twilight	22.000	19	50Alp Cyg	1.2460	10500.	44	37329	No
146	GOM_NL__2PRFIN20090420_224128_000000222078_00201_37329_8916.N1	20-APR-2009 22:41:28	Dark	21.500	61	8Eps Peg	2.1000	3900.0	43	37329	No
147	GOM_NL__2PRFIN20090420_224652_000000242078_00201_37329_8917.N1	20-APR-2009 22:46:52	Dark	23.500	154	22Bet Aqr	2.8990	5700.0	47	37329	No
148	GOM_NL__2PRFIN20090420_230913_000000282078_00202_37330_8924.N1	20-APR-2009 23:09:13	Dark	27.500	147	Alp Ara	2.8770	26000.	55	37330	No
149	GOM_NL__2PRFIN20090420_231126_000000342078_00202_37330_8925.N1	20-APR-2009 23:11:26	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37330	No
150	GOM_NL__2PRFIN20090420_231508_000000342078_00202_37330_8926.N1	20-APR-2009 23:15:08	Straylight	33.500	75	26Eps Sco	2.2910	4250.0	67	37330	No
151	GOM_NL__2PRFIN20090420_232604_000000272078_00202_37330_8927.N1	20-APR-2009 23:26:04	Twilight	27.000	122	9Alp2Lib	2.7470	9700.0	54	37330	No
152	GOM_NL__2PRFIN20090420_233739_000000262078_00202_37330_8928.N1	20-APR-2009 23:37:39	Twilight	26.000	111	8Eta Boo	2.6800	6000.0	52	37330	No
153	GOM_NL__2PRFIN20090420_234507_000000292078_00202_37330_8929.N1	20-APR-2009 23:45:07	Twilight	29.000	180	27Gam Boo	3.0400	8000.0	58	37330	No
154	GOM_NL__2PRFIN20090420_234642_000000252078_00202_37330_8930.N1	20-APR-2009 23:46:42	Twilight	24.500	39	85Eta UMa	1.8540	24000.	49	37330	No
155	GOM_NL__2PRFIN20090420_235452_000000272078_00202_37330_8931.N1	20-APR-2009 23:54:52	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37330	No



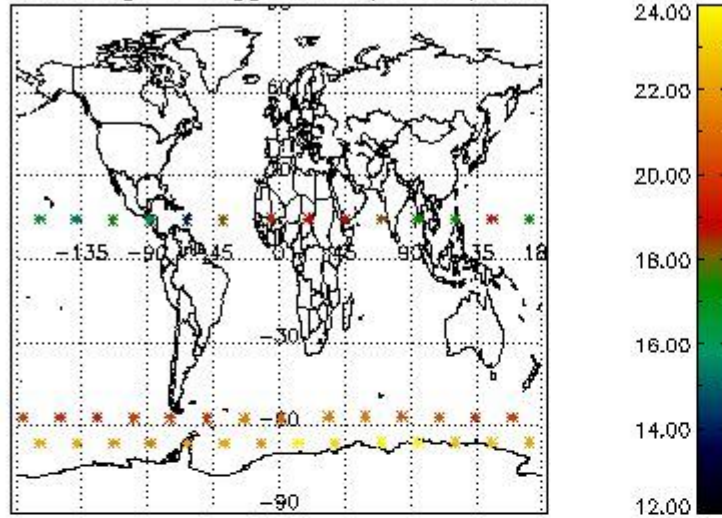
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

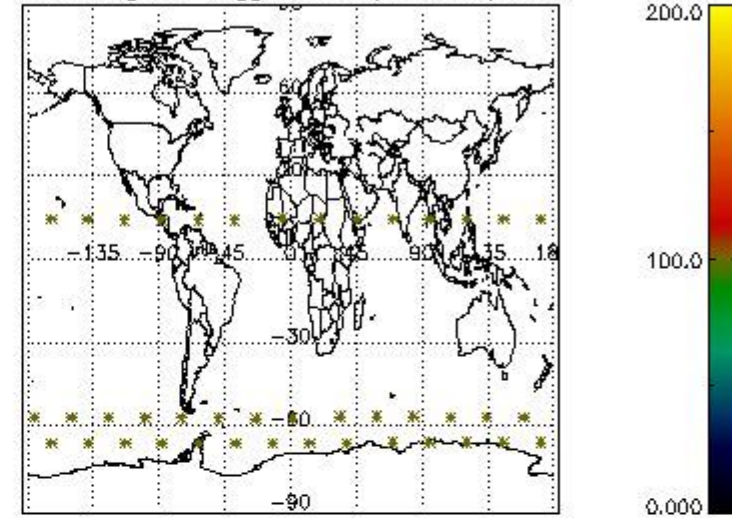


### 3.2 Plot quality information per product (world map)

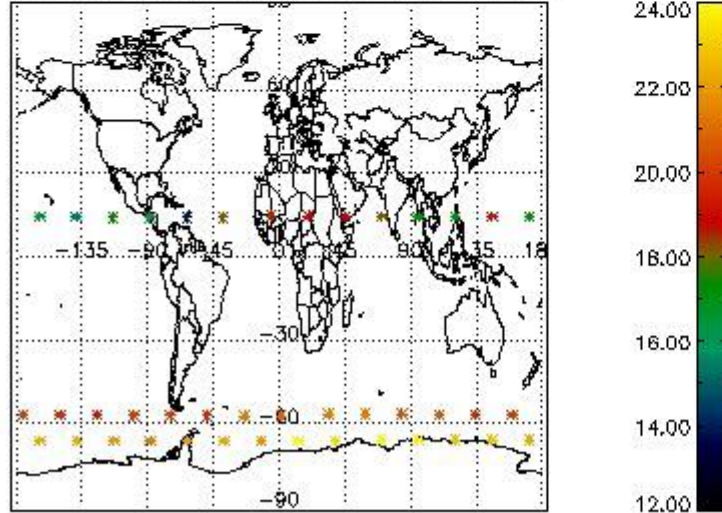
Percentage of flagged data per O3 profile



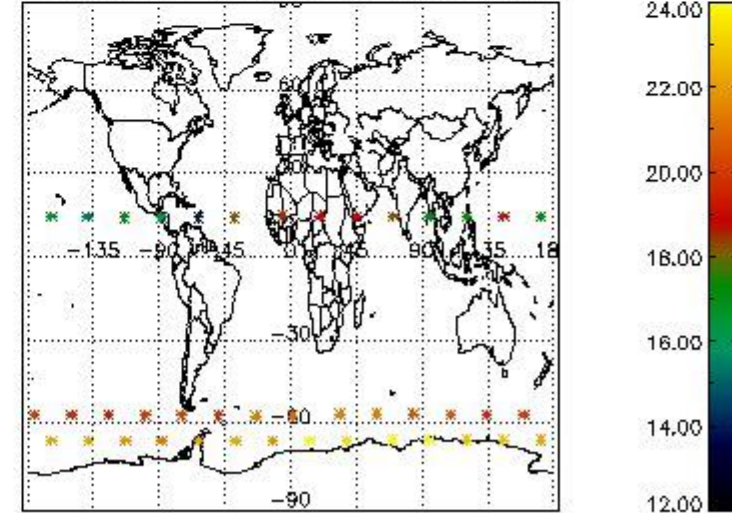
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

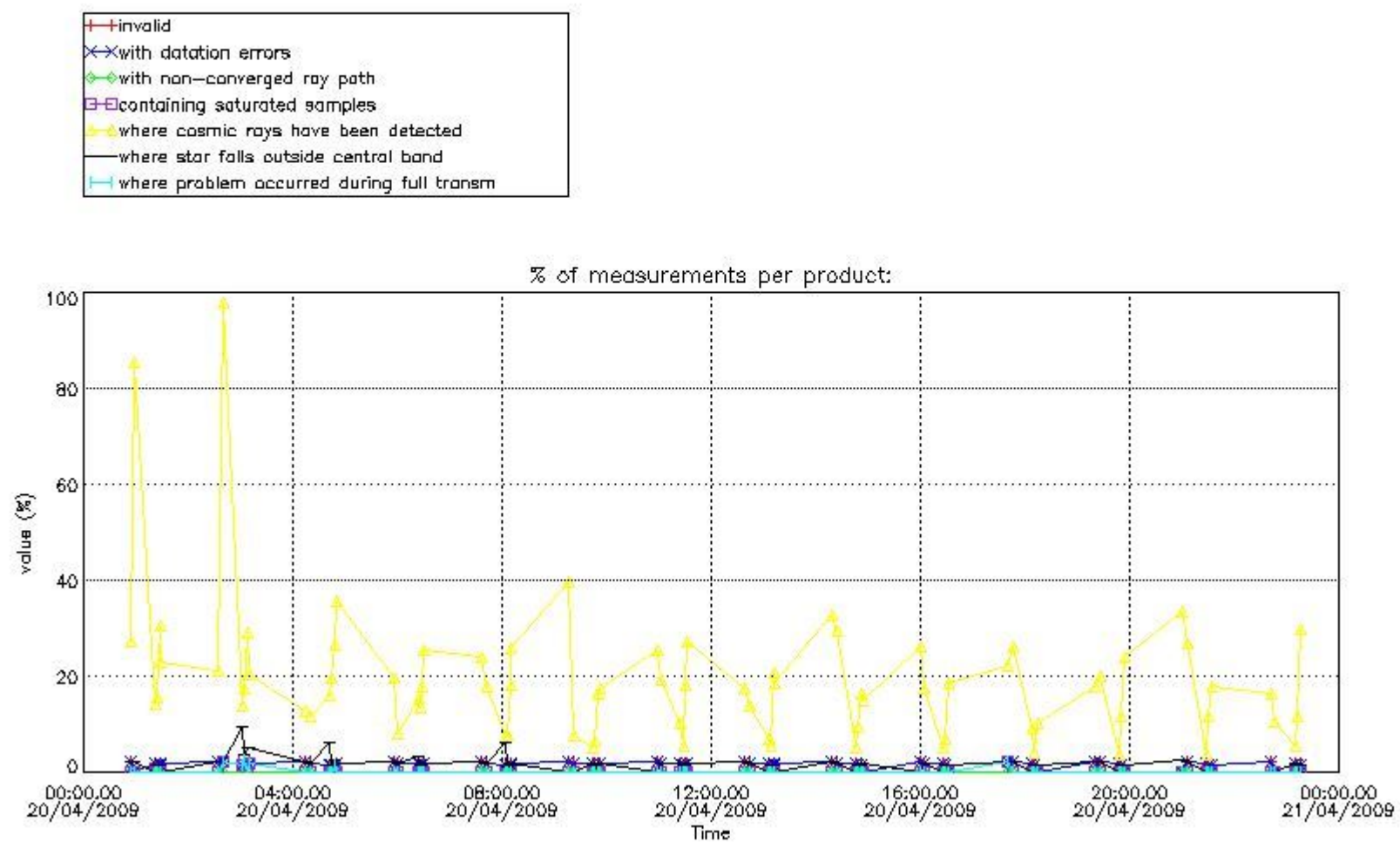


#### 4. Level 1 quality information per product

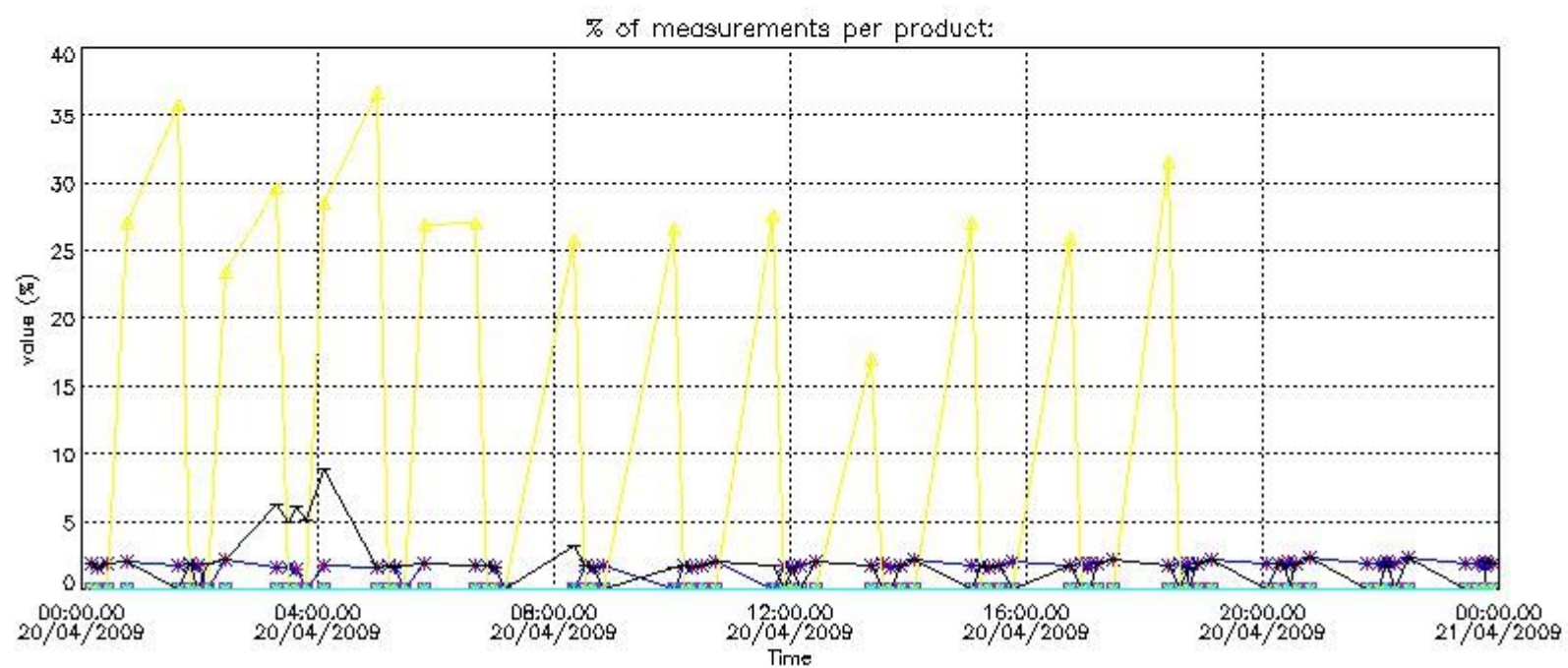
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

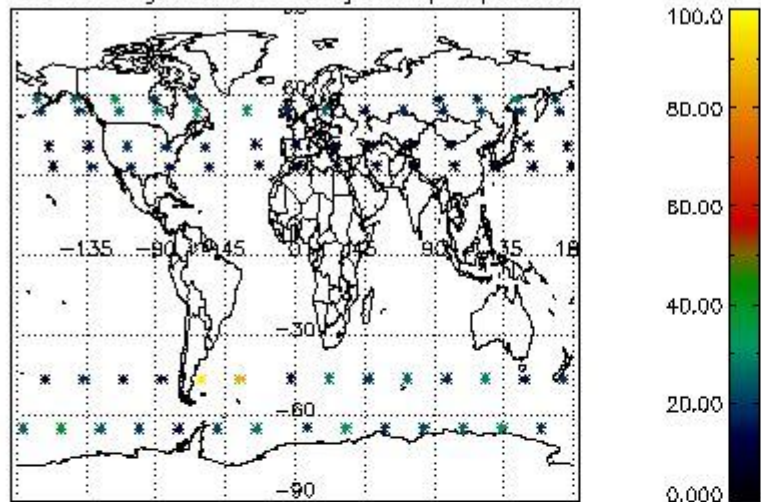


4.2 Plot quality information per product coming from level 1b processing (world map)

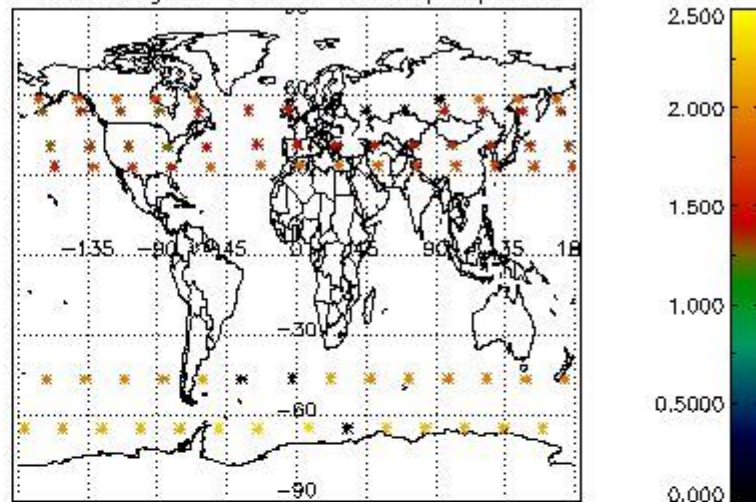
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



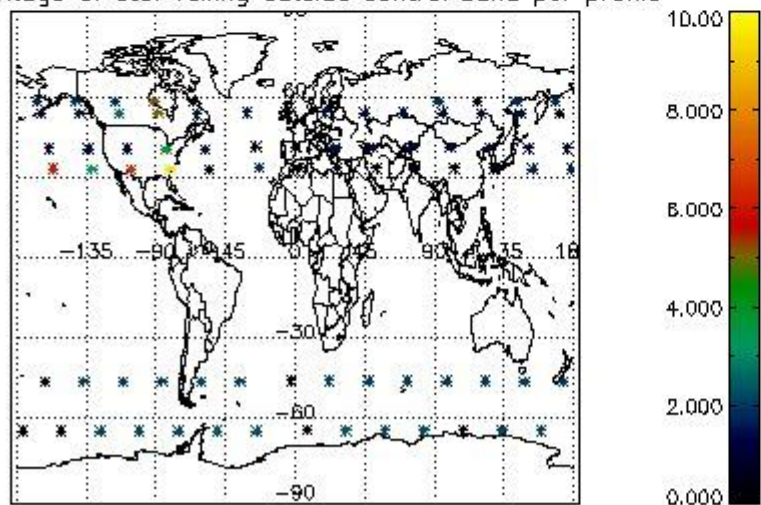
Percentage of cosmic ray hits per profile



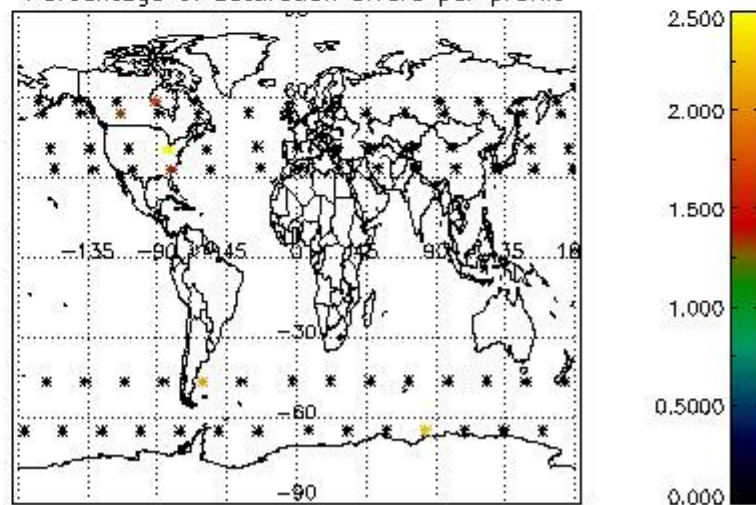
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

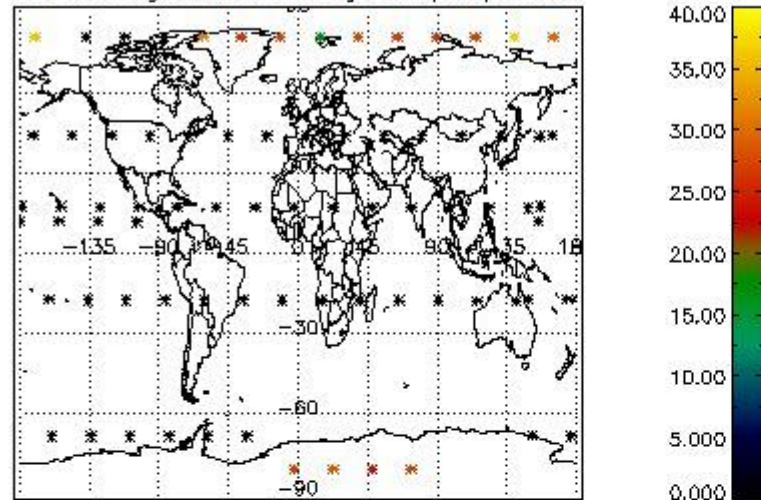


Percentage of saturation errors per profile

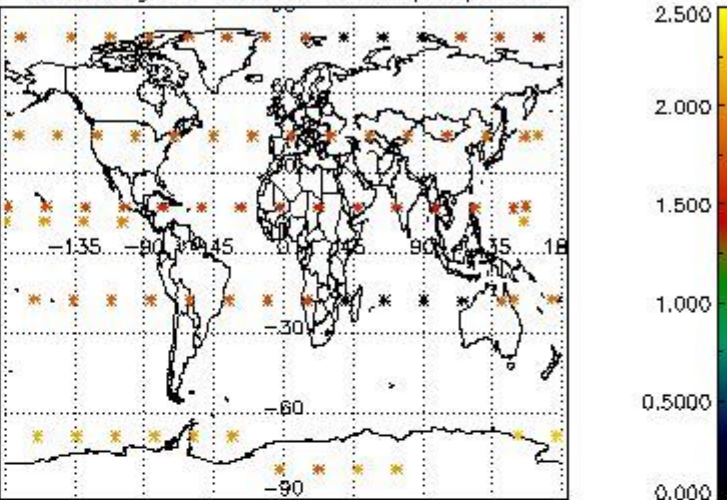


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

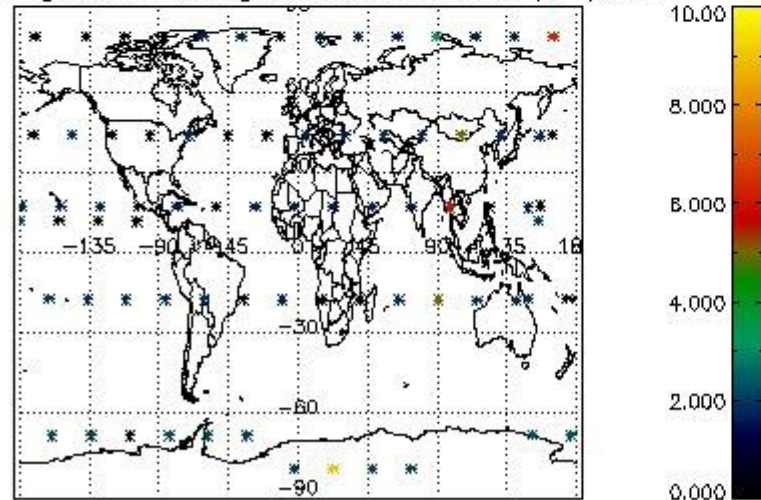
Percentage of cosmic ray hits per profile



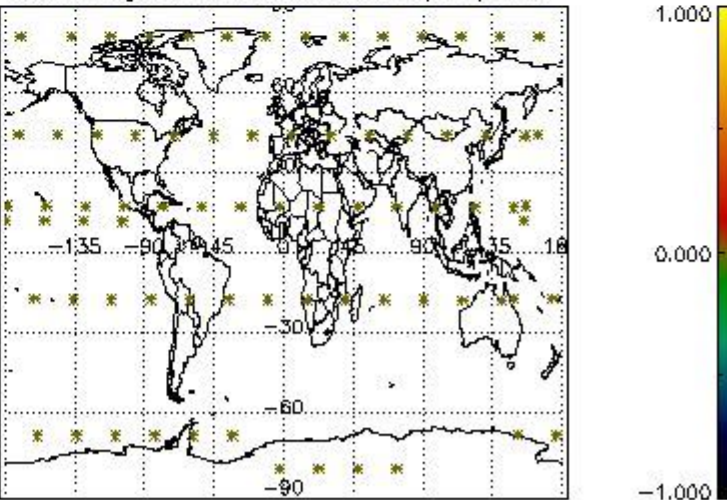
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

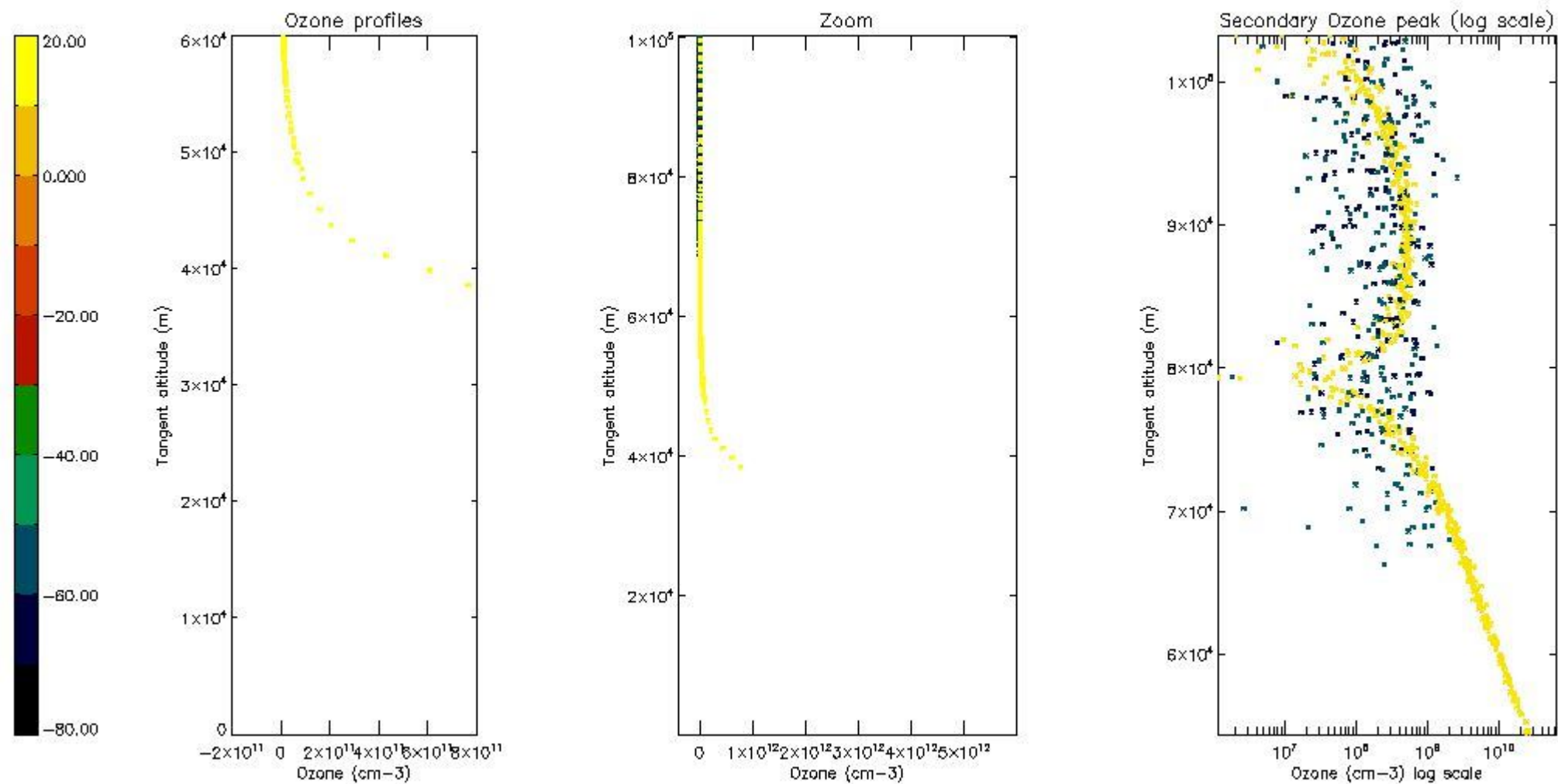
Criteria	% of total production
All STD	24
STD < 20	5



STD < 10	3
STD < 5	2

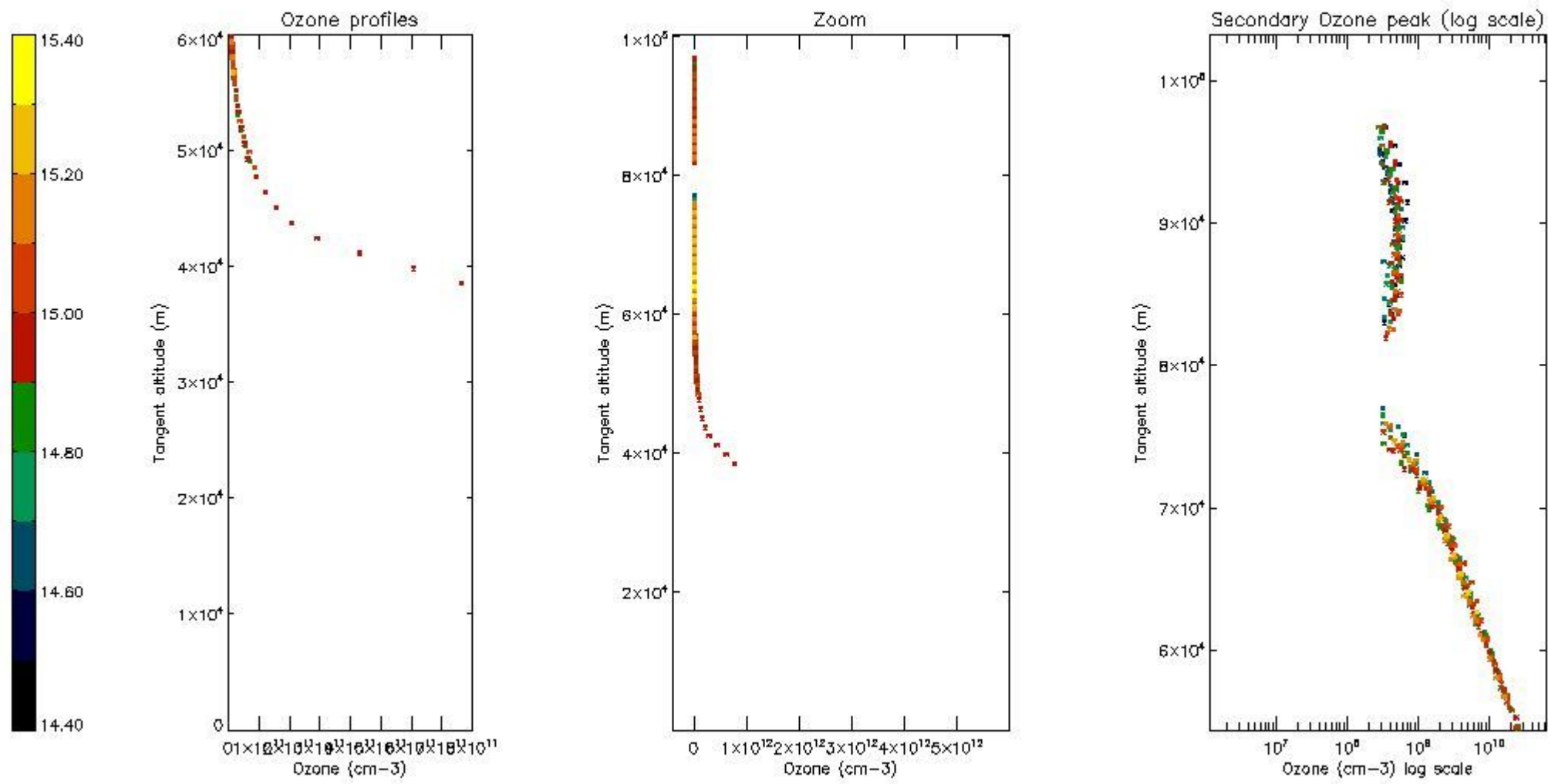
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

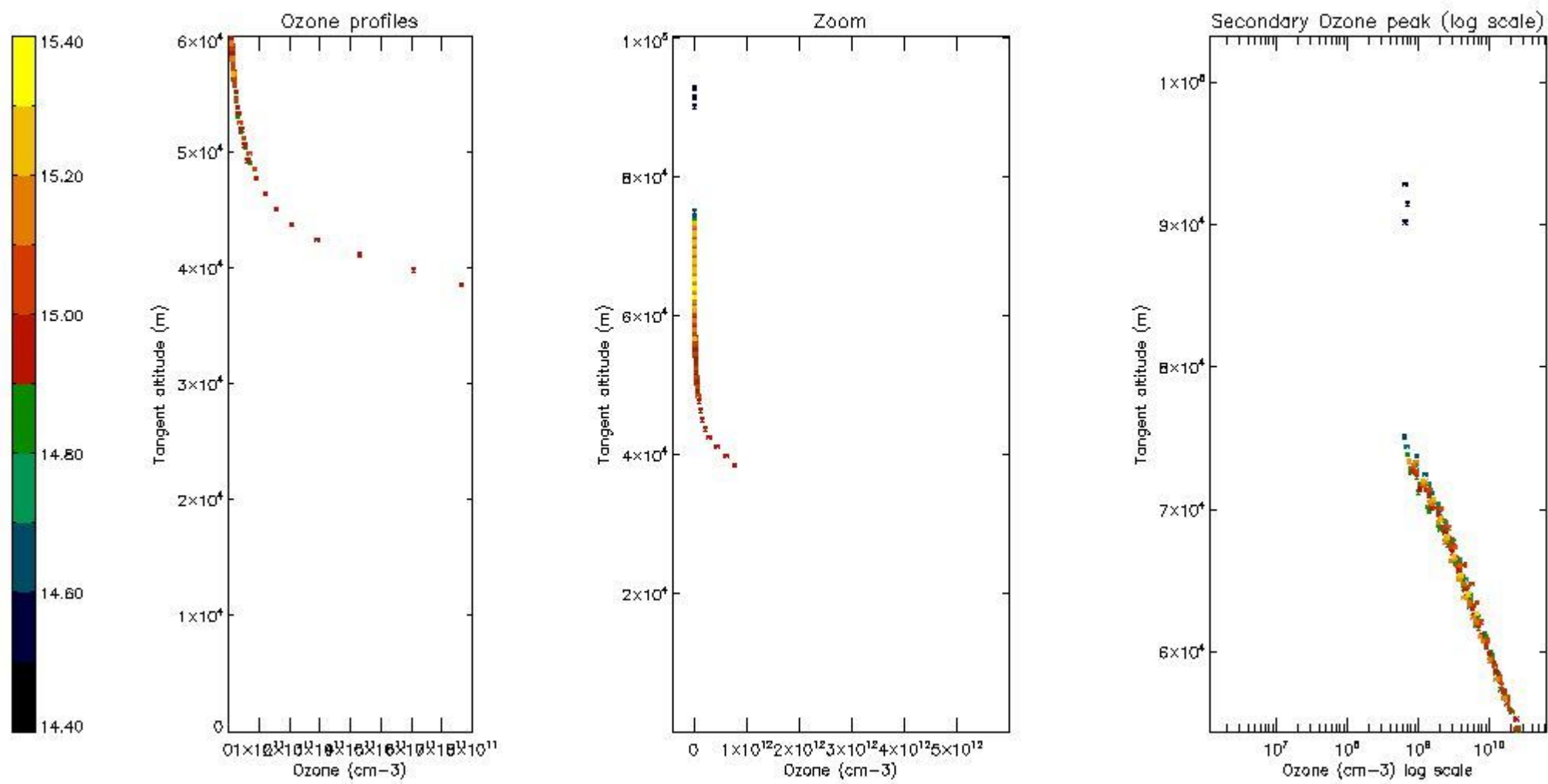
The colorbar represents the latitude.



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

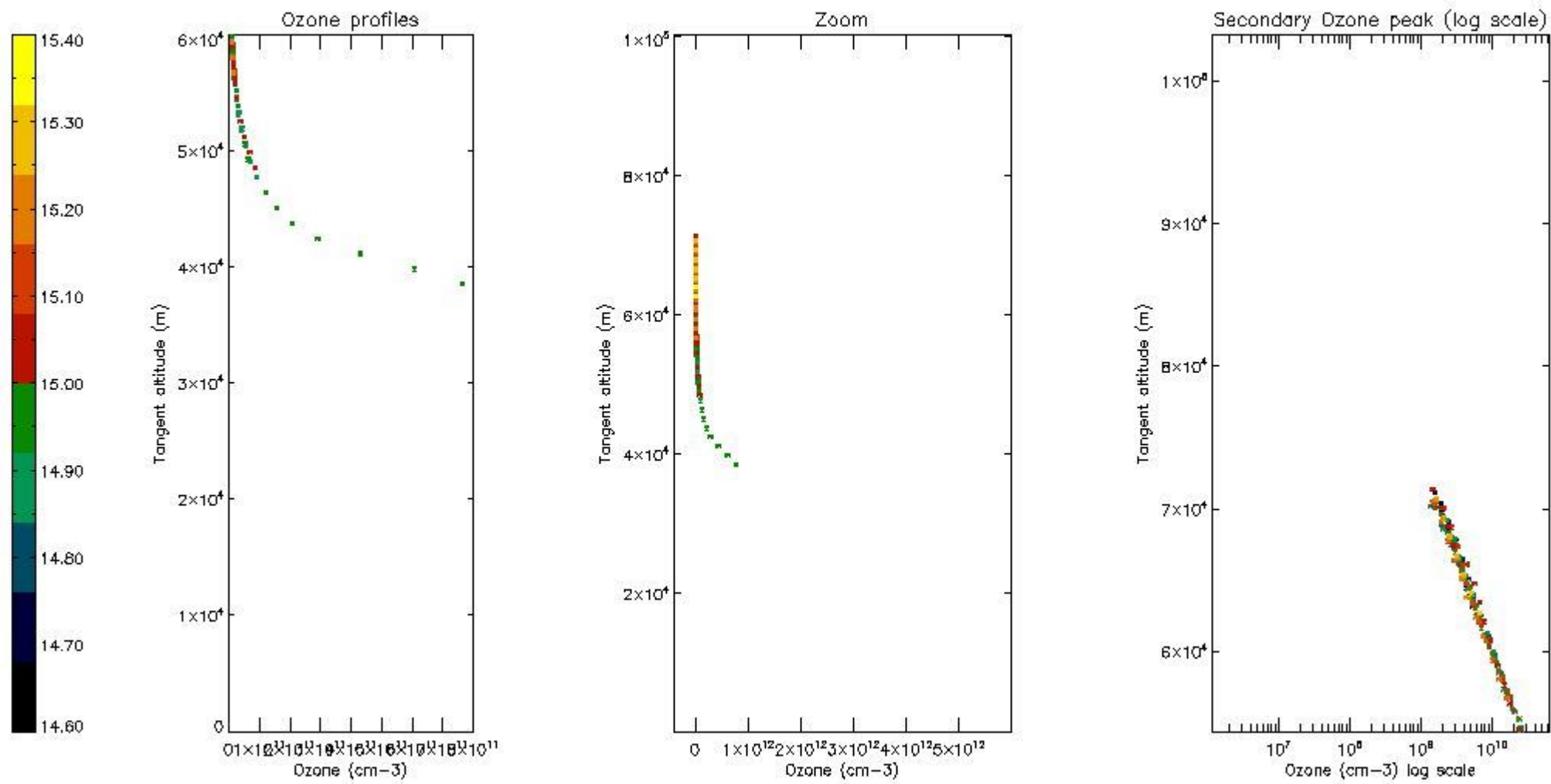
The colorbar represents the latitude.





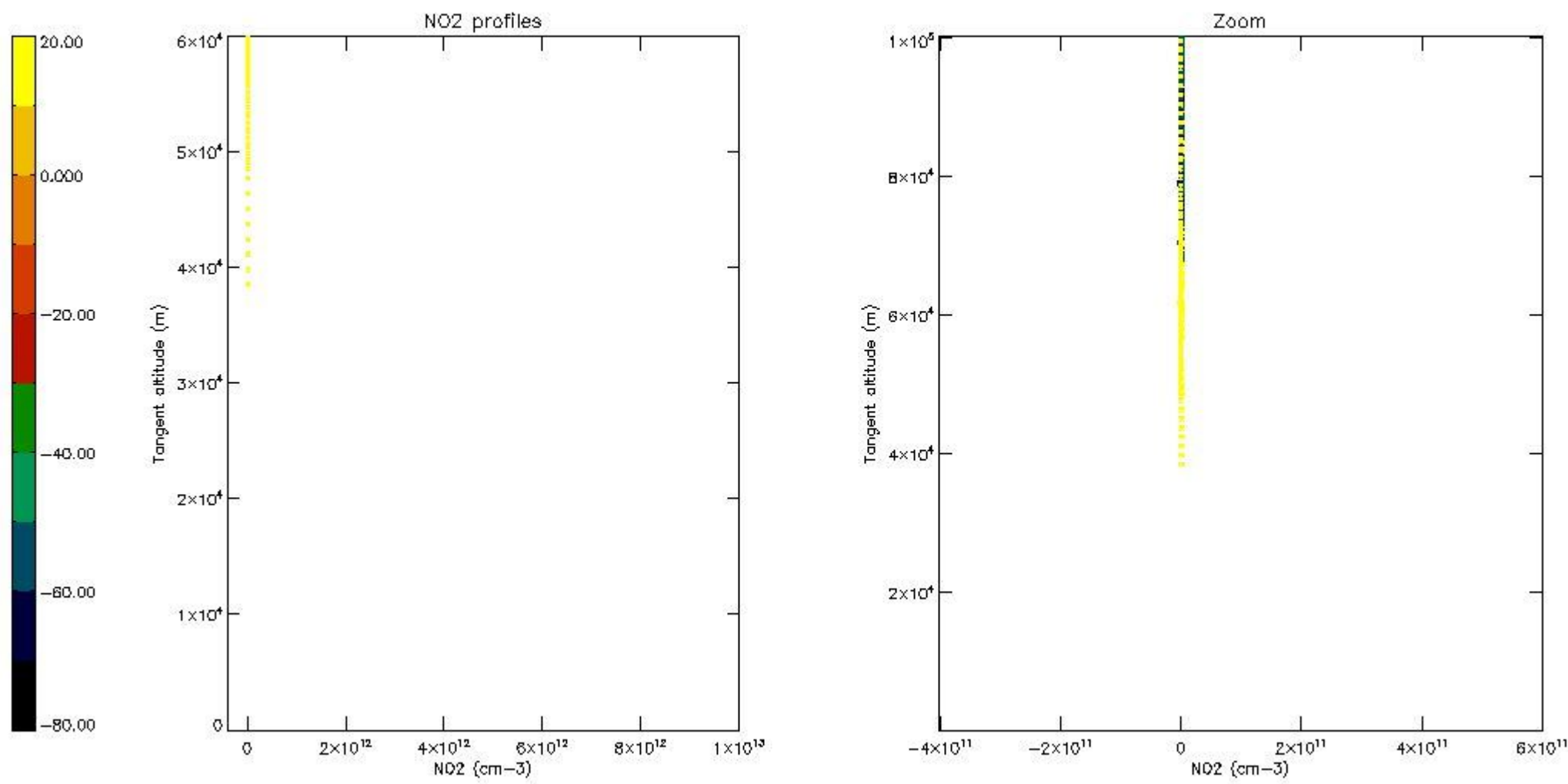
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



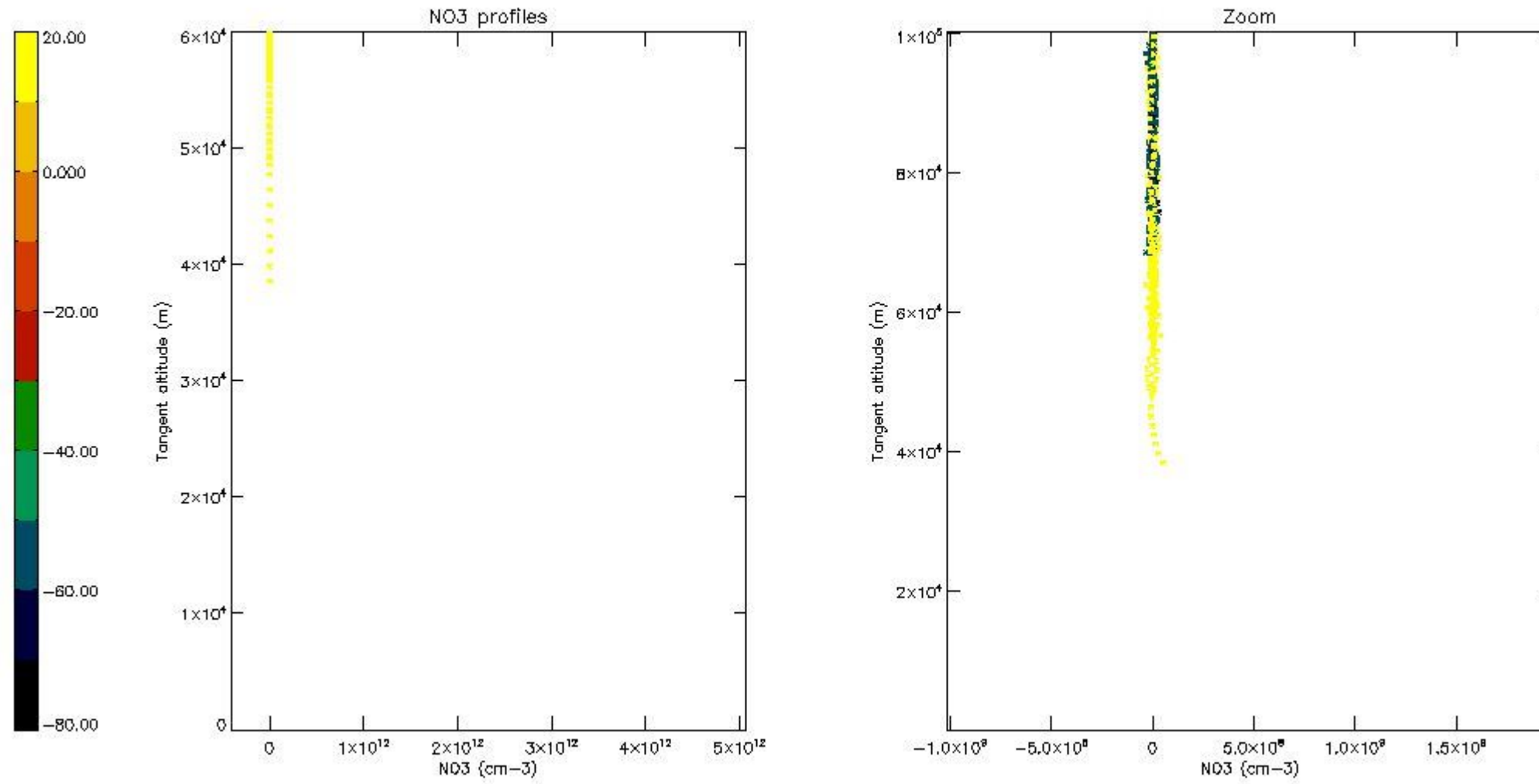
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

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	20-APR-2009 00:09:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-APR-2009 00:09:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-APR-2009 00:09:21



# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 08:55:35
Data source version	GOMOS/6.01
Start time of products	20-04-2009 (20APR2009 00:00:00)
Stop time of products	21-04-2009 (21APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	155
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

**!Warning: No products without errors in BRIGHT limb conditions found**

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090420_000921_000000282078_00188_37316_8700.N1	20-APR-2009 00:09:21	Twilight	27.500	111	8Eta Boo	2.6800	6000.0	55	37316	No
2	GOM_NL__2PRFIN20090420_001654_000000312078_00188_37316_8701.N1	20-APR-2009 00:16:54	Twilight	30.500	180	27Gam Boo	3.0400	8000.0	61	37316	No
3	GOM_NL__2PRFIN20090420_002639_000000282078_00188_37316_8702.N1	20-APR-2009 00:26:39	Twilight	27.500	119	14Eta Dra	2.7270	4700.0	55	37316	No
4	GOM_NL__2PRFIN20090420_004545_000000242078_00188_37316_8703.N1	20-APR-2009 00:45:45	Twilight	24.000	92	53Eps Cyg	2.5000	4500.0	48	37316	No
5	GOM_NL__2PRFIN20090420_005334_000000222078_00188_37316_8704.N1	20-APR-2009 00:53:34	Dark	22.000	61	8Eps Peg	2.1000	3900.0	44	37316	No
6	GOM_NL__2PRFIN20090420_005854_000000242078_00188_37316_8705.N1	20-APR-2009 00:58:54	Dark	24.000	154	22Bet Aqr	2.8990	5700.0	48	37316	No
7	GOM_NL__2PRFIN20090420_012115_000000282078_00189_37317_8710.N1	20-APR-2009 01:21:15	Dark	28.000	147	Alp Ara	2.8770	26000.	56	37317	No
8	GOM_NL__2PRFIN20090420_012324_000000352078_00189_37317_8711.N1	20-APR-2009 01:23:24	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37317	No
9	GOM_NL__2PRFIN20090420_012708_000000352078_00189_37317_8712.N1	20-APR-2009 01:27:08	Straylight	34.500	75	26Eps Sco	2.2910	4250.0	69	37317	No
10	GOM_NL__2PRFIN20090420_012828_000000262078_00189_37317_8713.N1	20-APR-2009 01:28:28	Straylight	26.000	131	Gam Lup	2.8000	26000.	52	37317	No
11	GOM_NL__2PRFIN20090420_013815_000000282078_00189_37317_8714.N1	20-APR-2009 01:38:15	Twilight	28.000	122	9Alp2Lib	2.7470	9700.0	56	37317	No
12	GOM_NL__2PRFIN20090420_014957_000000272078_00189_37317_8715.N1	20-APR-2009 01:49:57	Twilight	27.000	111	8Eta Boo	2.6800	6000.0	54	37317	No
13	GOM_NL__2PRFIN20090420_015730_000000302078_00189_37317_8716.N1	20-APR-2009 01:57:30	Twilight	29.500	180	27Gam Boo	3.0400	8000.0	59	37317	No
14	GOM_NL__2PRFIN20090420_020714_000000272078_00189_37317_8717.N1	20-APR-2009 02:07:14	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37317	No
15	GOM_NL__2PRFIN20090420_022621_000000242078_00189_37317_8718.N1	20-APR-2009 02:26:21	Twilight	23.500	92	53Eps Cyg	2.5000	4500.0	47	37317	No
16	GOM_NL__2PRFIN20090420_023411_000000222078_00189_37317_8719.N1	20-APR-2009 02:34:11	Dark	21.500	61	8Eps Peg	2.1000	3900.0	43	37317	No
17	GOM_NL__2PRFIN20090420_023931_000000242078_00189_37317_8720.N1	20-APR-2009 02:39:31	Dark	24.000	154	22Bet Aqr	2.8990	5700.0	48	37317	No
18	GOM_NL__2PRFIN20090420_030152_000000372078_00190_37318_8725.N1	20-APR-2009 03:01:52	Dark	36.500	147	Alp Ara	2.8770	26000.	73	37318	No
19	GOM_NL__2PRFIN20090420_030401_000000412078_00190_37318_8726.N1	20-APR-2009 03:04:01	Straylight	40.500	25	35Lam Sco	1.6200	28000.	81	37318	No
20	GOM_NL__2PRFIN20090420_030745_000000402078_00190_37318_8727.N1	20-APR-2009 03:07:45	Straylight	39.500	75	26Eps Sco	2.2910	4250.0	79	37318	No
21	GOM_NL__2PRFIN20090420_030904_000000302078_00190_37318_8728.N1	20-APR-2009 03:09:04	Straylight	29.500	131	Gam Lup	2.8000	26000.	59	37318	No
22	GOM_NL__2PRFIN20090420_031851_000000322078_00190_37318_8729.N1	20-APR-2009 03:18:51	Twilight	32.000	122	9Alp2Lib	2.7470	9700.0	64	37318	No
23	GOM_NL__2PRFIN20090420_033032_000000302078_00190_37318_8730.N1	20-APR-2009 03:30:32	Twilight	30.000	111	8Eta Boo	2.6800	6000.0	60	37318	No
24	GOM_NL__2PRFIN20090420_033805_000000332078_00190_37318_8731.N1	20-APR-2009 03:38:05	Twilight	33.000	180	27Gam Boo	3.0400	8000.0	66	37318	No
25	GOM_NL__2PRFIN20090420_034749_000000302078_00190_37318_8732.N1	20-APR-2009 03:47:49	Twilight	29.500	119	14Eta Dra	2.7270	4700.0	59	37318	No
26	GOM_NL__2PRFIN20090420_040657_000000282078_00190_37318_8733.N1	20-APR-2009 04:06:57	Twilight	28.000	92	53Eps Cyg	2.5000	4500.0	56	37318	No
27	GOM_NL__2PRFIN20090420_041447_000000242078_00190_37318_8734.N1	20-APR-2009 04:14:47	Dark	23.500	61	8Eps Peg	2.1000	3900.0	47	37318	No
28	GOM_NL__2PRFIN20090420_042008_000000262078_00190_37318_8735.N1	20-APR-2009 04:20:08	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37318	No
29	GOM_NL__2PRFIN20090420_044230_000000322078_00191_37319_8739.N1	20-APR-2009 04:42:30	Dark	31.500	147	Alp Ara	2.8770	26000.	63	37319	No
30	GOM_NL__2PRFIN20090420_044438_000000382078_00191_37319_8740.N1	20-APR-2009 04:44:38	Straylight	38.000	25	35Lam Sco	1.6200	28000.	76	37319	No
31	GOM_NL__2PRFIN20090420_044822_000000382078_00191_37319_8741.N1	20-APR-2009 04:48:22	Straylight	37.500	75	26Eps Sco	2.2910	4250.0	75	37319	No
32	GOM_NL__2PRFIN20090420_044941_000000282078_00191_37319_8742.N1	20-APR-2009 04:49:41	Straylight	28.000	131	Gam Lup	2.8000	26000.	56	37319	No
33	GOM_NL__2PRFIN20090420_045927_000000302078_00191_37319_8743.N1	20-APR-2009 04:59:27	Twilight	30.000	122	9Alp2Lib	2.7470	9700.0	60	37319	No
34	GOM_NL__2PRFIN20090420_051108_000000292078_00191_37319_8744.N1	20-APR-2009 05:11:08	Twilight	28.500	111	8Eta Boo	2.6800	6000.0	57	37319	No
35	GOM_NL__2PRFIN20090420_051840_000000322078_00191_37319_8745.N1	20-APR-2009 05:18:40	Twilight	31.500	180	27Gam Boo	3.0400	8000.0	63	37319	No
36	GOM_NL__2PRFIN20090420_052825_000000282078_00191_37319_8746.N1	20-APR-2009 05:28:25	Twilight	28.000	119	14Eta Dra	2.7270	4700.0	56	37319	No
37	GOM_NL__2PRFIN20090420_054733_000000262078_00191_37319_8747.N1	20-APR-2009 05:47:33	Twilight	26.000	92	53Eps Cyg	2.5000	4500.0	52	37319	No
38	GOM_NL__2PRFIN20090420_055524_000000232078_00191_37319_8748.N1	20-APR-2009 05:55:24	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37319	No
39	GOM_NL__2PRFIN20090420_060045_000000262078_00191_37319_8749.N1	20-APR-2009 06:00:45	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37319	No
40	GOM_NL__2PRFIN20090420_062306_000000302078_00192_37320_8753.N1	20-APR-2009 06:23:06	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37320	No
41	GOM_NL__2PRFIN20090420_062515_000000382078_00192_37320_8754.N1	20-APR-2009 06:25:15	Straylight	37.500	25	35Lam Sco	1.6200	28000.	75	37320	No

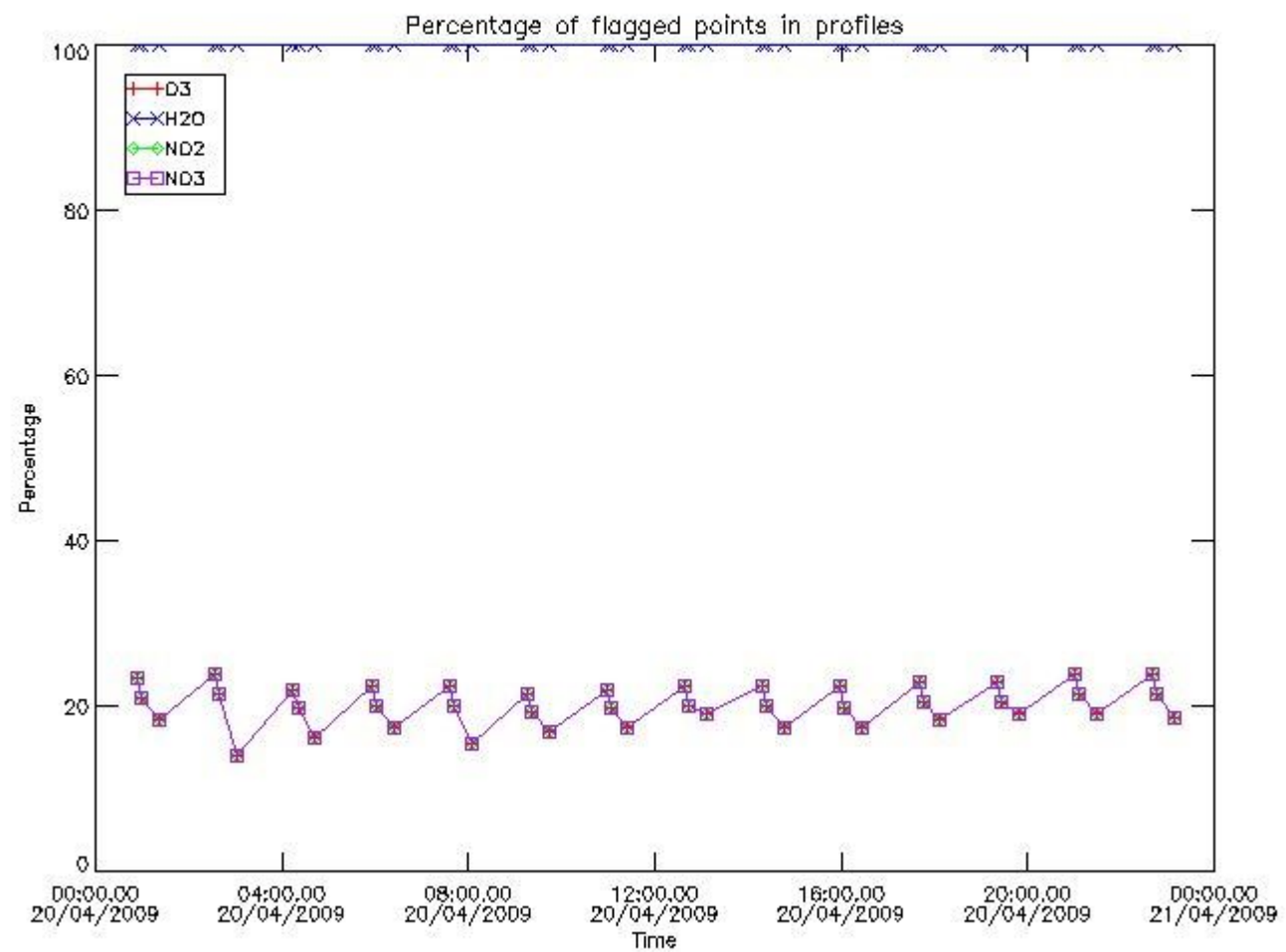
42	GOM_NL__2PRFIN20090420_062859_000000372078_00192_37320_8755.N1	20-APR-2009 06:28:59	Straylight	36.500	75	26Eps Sco	2.2910	4250.0	73	37320	No
43	GOM_NL__2PRFIN20090420_063018_000000282078_00192_37320_8756.N1	20-APR-2009 06:30:18	Straylight	27.500	131	Gam Lup	2.8000	26000.	55	37320	No
44	GOM_NL__2PRFIN20090420_064003_000000302078_00192_37320_8757.N1	20-APR-2009 06:40:03	Twi_and_stray	29.500	122	9Alp2Lib	2.7470	9700.0	59	37320	No
45	GOM_NL__2PRFIN20090420_065144_000000282078_00192_37320_8758.N1	20-APR-2009 06:51:44	Twi_and_stray	28.000	111	8Eta Boo	2.6800	6000.0	56	37320	No
46	GOM_NL__2PRFIN20090420_065915_000000312078_00192_37320_8759.N1	20-APR-2009 06:59:15	Twi_and_stray	31.000	180	27Gam Boo	3.0400	8000.0	62	37320	No
47	GOM_NL__2PRFIN20090420_070900_000000282078_00192_37320_8760.N1	20-APR-2009 07:09:00	Twi_and_stray	27.500	119	14Eta Dra	2.7270	4700.0	55	37320	No
48	GOM_NL__2PRFIN20090420_073600_000000232078_00192_37320_8761.N1	20-APR-2009 07:36:00	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37320	No
49	GOM_NL__2PRFIN20090420_074121_000000262078_00192_37320_8762.N1	20-APR-2009 07:41:21	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37320	No
50	GOM_NL__2PRFIN20090420_080342_000000332078_00193_37321_8767.N1	20-APR-2009 08:03:42	Dark	33.000	147	Alp Ara	2.8770	26000.	66	37321	No
51	GOM_NL__2PRFIN20090420_080552_000000402078_00193_37321_8768.N1	20-APR-2009 08:05:52	Straylight	39.500	25	35Lam Sco	1.6200	28000.	79	37321	No
52	GOM_NL__2PRFIN20090420_080936_000000392078_00193_37321_8769.N1	20-APR-2009 08:09:36	Straylight	38.500	75	26Eps Sco	2.2910	4250.0	77	37321	No
53	GOM_NL__2PRFIN20090420_081054_000000292078_00193_37321_8770.N1	20-APR-2009 08:10:54	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37321	No
54	GOM_NL__2PRFIN20090420_082039_000000312078_00193_37321_8771.N1	20-APR-2009 08:20:39	Twi_and_stray	31.000	122	9Alp2Lib	2.7470	9700.0	62	37321	No
55	GOM_NL__2PRFIN20090420_083219_000000302078_00193_37321_8772.N1	20-APR-2009 08:32:19	Twi_and_stray	29.500	111	8Eta Boo	2.6800	6000.0	59	37321	No
56	GOM_NL__2PRFIN20090420_083950_000000332078_00193_37321_8773.N1	20-APR-2009 08:39:50	Twi_and_stray	32.500	180	27Gam Boo	3.0400	8000.0	65	37321	No
57	GOM_NL__2PRFIN20090420_084935_000000302078_00193_37321_8774.N1	20-APR-2009 08:49:35	Twi_and_stray	29.500	119	14Eta Dra	2.7270	4700.0	59	37321	No
58	GOM_NL__2PRFIN20090420_091637_000000242078_00193_37321_8775.N1	20-APR-2009 09:16:37	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37321	No
59	GOM_NL__2PRFIN20090420_092158_000000272078_00193_37321_8776.N1	20-APR-2009 09:21:58	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37321	No
60	GOM_NL__2PRFIN20090420_094419_000000312078_00194_37322_8781.N1	20-APR-2009 09:44:19	Dark	30.500	147	Alp Ara	2.8770	26000.	61	37322	No
61	GOM_NL__2PRFIN20090420_094629_000000382078_00194_37322_8782.N1	20-APR-2009 09:46:29	Straylight	38.000	25	35Lam Sco	1.6200	28000.	76	37322	No
62	GOM_NL__2PRFIN20090420_095013_000000372078_00194_37322_8783.N1	20-APR-2009 09:50:13	Straylight	37.000	75	26Eps Sco	2.2910	4250.0	74	37322	No
63	GOM_NL__2PRFIN20090420_095130_000000292078_00194_37322_8784.N1	20-APR-2009 09:51:30	Straylight	28.500	131	Gam Lup	2.8000	26000.	57	37322	No
64	GOM_NL__2PRFIN20090420_100115_000000302078_00194_37322_8785.N1	20-APR-2009 10:01:15	Twi_and_stray	30.000	122	9Alp2Lib	2.7470	9700.0	60	37322	No
65	GOM_NL__2PRFIN20090420_101255_000000292078_00194_37322_8786.N1	20-APR-2009 10:12:55	Twi_and_stray	29.000	111	8Eta Boo	2.6800	6000.0	58	37322	No
66	GOM_NL__2PRFIN20090420_102026_000000322078_00194_37322_8787.N1	20-APR-2009 10:20:26	Twi_and_stray	31.500	180	27Gam Boo	3.0400	8000.0	63	37322	No
67	GOM_NL__2PRFIN20090420_103010_000000292078_00194_37322_8788.N1	20-APR-2009 10:30:10	Twi_and_stray	29.000	119	14Eta Dra	2.7270	4700.0	58	37322	No
68	GOM_NL__2PRFIN20090420_104443_000000252078_00194_37322_8789.N1	20-APR-2009 10:44:43	Twi_and_stray	24.500	19	50Alp Cyg	1.2460	10500.	49	37322	No
69	GOM_NL__2PRFIN20090420_105713_000000242078_00194_37322_8790.N1	20-APR-2009 10:57:13	Dark	23.500	61	8Eps Peg	2.1000	3900.0	47	37322	No
70	GOM_NL__2PRFIN20090420_110235_000000262078_00194_37322_8791.N1	20-APR-2009 11:02:35	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37322	No
71	GOM_NL__2PRFIN20090420_112456_000000302078_00195_37323_8795.N1	20-APR-2009 11:24:56	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37323	No
72	GOM_NL__2PRFIN20090420_112706_000000372078_00195_37323_8796.N1	20-APR-2009 11:27:06	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	37323	No
73	GOM_NL__2PRFIN20090420_113050_000000362078_00195_37323_8797.N1	20-APR-2009 11:30:50	Straylight	36.000	75	26Eps Sco	2.2910	4250.0	72	37323	No
74	GOM_NL__2PRFIN20090420_113207_000000282078_00195_37323_8798.N1	20-APR-2009 11:32:07	Straylight	27.500	131	Gam Lup	2.8000	26000.	55	37323	No
75	GOM_NL__2PRFIN20090420_114151_000000292078_00195_37323_8799.N1	20-APR-2009 11:41:51	Twi_and_stray	29.000	122	9Alp2Lib	2.7470	9700.0	58	37323	No
76	GOM_NL__2PRFIN20090420_115330_000000282078_00195_37323_8800.N1	20-APR-2009 11:53:30	Twi_and_stray	28.000	111	8Eta Boo	2.6800	6000.0	56	37323	No
77	GOM_NL__2PRFIN20090420_120101_000000312078_00195_37323_8801.N1	20-APR-2009 12:01:01	Twi_and_stray	31.000	180	27Gam Boo	3.0400	8000.0	62	37323	No
78	GOM_NL__2PRFIN20090420_121045_000000282078_00195_37323_8802.N1	20-APR-2009 12:10:45	Twi_and_stray	28.000	119	14Eta Dra	2.7270	4700.0	56	37323	No
79	GOM_NL__2PRFIN20090420_122519_000000242078_00195_37323_8803.N1	20-APR-2009 12:25:19	Twi_and_stray	24.000	19	50Alp Cyg	1.2460	10500.	48	37323	No
80	GOM_NL__2PRFIN20090420_123750_000000232078_00195_37323_8804.N1	20-APR-2009 12:37:50	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37323	No
81	GOM_NL__2PRFIN20090420_124311_000000262078_00195_37323_8805.N1	20-APR-2009 12:43:11	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37323	No
82	GOM_NL__2PRFIN20090420_130533_000000302078_00196_37324_8809.N1	20-APR-2009 13:05:33	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37324	No
83	GOM_NL__2PRFIN20090420_130743_000000372078_00196_37324_8810.N1	20-APR-2009 13:07:43	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	37324	No
84	GOM_NL__2PRFIN20090420_131126_000000362078_00196_37324_8811.N1	20-APR-2009 13:11:26	Straylight	36.000	75	26Eps Sco	2.2910	4250.0	72	37324	No
85	GOM_NL__2PRFIN20090420_131243_000000272078_00196_37324_8812.N1	20-APR-2009 13:12:43	Straylight	27.000	131	Gam Lup	2.8000	26000.	54	37324	No
86	GOM_NL__2PRFIN20090420_132227_000000302078_00196_37324_8813.N1	20-APR-2009 13:22:27	Twi_and_stray	29.500	122	9Alp2Lib	2.7470	9700.0	59	37324	No
87	GOM_NL__2PRFIN20090420_133406_000000282078_00196_37324_8814.N1	20-APR-2009 13:34:06	Twi_and_stray	27.500	111	8Eta Boo	2.6800	6000.0	55	37324	No
88	GOM_NL__2PRFIN20090420_134136_000000312078_00196_37324_8815.N1	20-APR-2009 13:41:36	Twi_and_stray	30.500	180	27Gam Boo	3.0400	8000.0	61	37324	No
89	GOM_NL__2PRFIN20090420_135121_000000282078_00196_37324_8816.N1	20-APR-2009 13:51:21	Twi_and_stray	28.000	119	14Eta Dra	2.7270	4700.0	56	37324	No
90	GOM_NL__2PRFIN20090420_140554_000000242078_00196_37324_8817.N1	20-APR-2009 14:05:54	Twi_and_stray	23.500	19	50Alp Cyg	1.2460	10500.	47	37324	No
91	GOM_NL__2PRFIN20090420_141826_000000232078_00196_37324_8818.N1	20-APR-2009 14:18:26	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37324	No
92	GOM_NL__2PRFIN20090420_142348_000000262078_00196_37324_8819.N1	20-APR-2009 14:23:48	Dark	25.500	154	22Bet Aqr	2.8990	5700.0	51	37324	No
93	GOM_NL__2PRFIN20090420_144610_000000302078_00197_37325_8843.N1	20-APR-2009 14:46:10	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37325	No
94	GOM_NL__2PRFIN20090420_144820_000000382078_00197_37325_8844.N1	20-APR-2009 14:48:20	Straylight	37.500	25	35Lam Sco	1.6200	28000.	75	37325	No
95	GOM_NL__2PRFIN20090420_145204_000000372078_00197_37325_8845.N1	20-APR-2009 14:52:04	Straylight	36.500	75	26Eps Sco	2.2910	4250.0	73	37325	No
96	GOM_NL__2PRFIN20090420_145320_000000272078_00197_37325_8846.N1	20-APR-2009 14:53:20	Straylight	27.000	131	Gam Lup	2.8000	26000.	54	37325	No
97	GOM_NL__2PRFIN20090420_150303_000000302078_00197_37325_8847.N1	20-APR-2009 15:03:03	Twi_and_stray	29.500	122	9Alp2Lib	2.7470	9700.0	59	37325	No
98	GOM_NL__2PRFIN20090420_151442_000000282078_00197_37325_8848.N1	20-APR-2009 15:14:42	Twi_and_stray	28.000	111	8Eta Boo	2.6800	6000.0	56	37325	No
99	GOM_NL__2PRFIN20090420_152211_000000322078_00197_37325_8849.N1	20-APR-2009 15:22:11	Twi_and_stray	31.500	180	27Gam Boo	3.0400	8000.0	63	37325	No
100	GOM_NL__2PRFIN20090420_153156_000000292078_00197_37325_8850.N1	20-APR-2009 15:31:56	Twi_and_stray	28.500	119	14Eta Dra	2.7270	4700.0	57	37325	No

101	GOM_NL__2PRFIN20090420_154630_000000242078_00197_37325_8851.N1	20-APR-2009 15:46:30	Twilight	24.000	19	50Alp Cyg	1.2460	10500.	48	37325	No
102	GOM_NL__2PRFIN20090420_155903_000000232078_00197_37325_8852.N1	20-APR-2009 15:59:03	Dark	23.000	61	8Eps Peg	2.1000	3900.0	46	37325	No
103	GOM_NL__2PRFIN20090420_160425_000000262078_00197_37325_8853.N1	20-APR-2009 16:04:25	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37325	No
104	GOM_NL__2PRFIN20090420_162646_000000302078_00198_37326_8858.N1	20-APR-2009 16:26:46	Dark	29.500	147	Alp Ara	2.8770	26000.	59	37326	No
105	GOM_NL__2PRFIN20090420_162858_000000372078_00198_37326_8859.N1	20-APR-2009 16:28:58	Straylight	36.500	25	35Lam Sco	1.6200	28000.	73	37326	No
106	GOM_NL__2PRFIN20090420_163240_000000352078_00198_37326_8860.N1	20-APR-2009 16:32:40	Straylight	35.000	75	26Eps Sco	2.2910	4250.0	70	37326	No
107	GOM_NL__2PRFIN20090420_164339_000000292078_00198_37326_8861.N1	20-APR-2009 16:43:39	Twilight	29.000	122	9Alp2Lib	2.7470	9700.0	58	37326	No
108	GOM_NL__2PRFIN20090420_165517_000000272078_00198_37326_8862.N1	20-APR-2009 16:55:17	Twilight	27.000	111	8Eta Boo	2.6800	6000.0	54	37326	No
109	GOM_NL__2PRFIN20090420_170247_000000302078_00198_37326_8863.N1	20-APR-2009 17:02:47	Twilight	30.000	180	27Gam Boo	3.0400	8000.0	60	37326	No
110	GOM_NL__2PRFIN20090420_170420_000000262078_00198_37326_8864.N1	20-APR-2009 17:04:20	Twilight	25.500	39	85Eta UMa	1.8540	24000.	51	37326	No
111	GOM_NL__2PRFIN20090420_171231_000000282078_00198_37326_8865.N1	20-APR-2009 17:12:31	Twilight	27.500	119	14Eta Dra	2.7270	4700.0	55	37326	No
112	GOM_NL__2PRFIN20090420_172706_000000242078_00198_37326_8866.N1	20-APR-2009 17:27:06	Twilight	23.500	19	50Alp Cyg	1.2460	10500.	47	37326	No
113	GOM_NL__2PRFIN20090420_173939_000000232078_00198_37326_8867.N1	20-APR-2009 17:39:39	Dark	22.500	61	8Eps Peg	2.1000	3900.0	45	37326	No
114	GOM_NL__2PRFIN20090420_174502_000000252078_00198_37326_8868.N1	20-APR-2009 17:45:02	Dark	25.000	154	22Bet Aqr	2.8990	5700.0	50	37326	No
115	GOM_NL__2PRFIN20090420_180723_000000282078_00199_37327_8875.N1	20-APR-2009 18:07:23	Dark	28.000	147	Alp Ara	2.8770	26000.	56	37327	No
116	GOM_NL__2PRFIN20090420_180935_000000362078_00199_37327_8876.N1	20-APR-2009 18:09:35	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37327	No
117	GOM_NL__2PRFIN20090420_181317_000000352078_00199_37327_8877.N1	20-APR-2009 18:13:17	Straylight	35.000	75	26Eps Sco	2.2910	4250.0	70	37327	No
118	GOM_NL__2PRFIN20090420_182416_000000292078_00199_37327_8878.N1	20-APR-2009 18:24:16	Twilight	28.500	122	9Alp2Lib	2.7470	9700.0	57	37327	No
119	GOM_NL__2PRFIN20090420_183553_000000272078_00199_37327_8879.N1	20-APR-2009 18:35:53	Twilight	27.000	111	8Eta Boo	2.6800	6000.0	54	37327	No
120	GOM_NL__2PRFIN20090420_184322_000000302078_00199_37327_8880.N1	20-APR-2009 18:43:22	Twilight	30.000	180	27Gam Boo	3.0400	8000.0	60	37327	No
121	GOM_NL__2PRFIN20090420_184456_000000262078_00199_37327_8881.N1	20-APR-2009 18:44:56	Twilight	25.500	39	85Eta UMa	1.8540	24000.	51	37327	No
122	GOM_NL__2PRFIN20090420_185307_000000282078_00199_37327_8882.N1	20-APR-2009 18:53:07	Twilight	27.500	119	14Eta Dra	2.7270	4700.0	55	37327	No
123	GOM_NL__2PRFIN20090420_190742_000000232078_00199_37327_8883.N1	20-APR-2009 19:07:42	Twilight	23.000	19	50Alp Cyg	1.2460	10500.	46	37327	No
124	GOM_NL__2PRFIN20090420_192016_000000232078_00199_37327_8884.N1	20-APR-2009 19:20:16	Dark	22.500	61	8Eps Peg	2.1000	3900.0	45	37327	No
125	GOM_NL__2PRFIN20090420_192538_000000252078_00199_37327_8885.N1	20-APR-2009 19:25:38	Dark	25.000	154	22Bet Aqr	2.8990	5700.0	50	37327	No
126	GOM_NL__2PRFIN20090420_194800_000000272078_00200_37328_8891.N1	20-APR-2009 19:48:00	Dark	27.000	147	Alp Ara	2.8770	26000.	54	37328	No
127	GOM_NL__2PRFIN20090420_195012_000000352078_00200_37328_8892.N1	20-APR-2009 19:50:12	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37328	No
128	GOM_NL__2PRFIN20090420_195354_000000342078_00200_37328_8893.N1	20-APR-2009 19:53:54	Straylight	33.500	75	26Eps Sco	2.2910	4250.0	67	37328	No
129	GOM_NL__2PRFIN20090420_200451_000000282078_00200_37328_8894.N1	20-APR-2009 20:04:51	Twilight	27.500	122	9Alp2Lib	2.7470	9700.0	55	37328	No
130	GOM_NL__2PRFIN20090420_201628_000000272078_00200_37328_8895.N1	20-APR-2009 20:16:28	Twilight	26.500	111	8Eta Boo	2.6800	6000.0	53	37328	No
131	GOM_NL__2PRFIN20090420_202357_000000292078_00200_37328_8896.N1	20-APR-2009 20:23:57	Twilight	29.000	180	27Gam Boo	3.0400	8000.0	58	37328	No
132	GOM_NL__2PRFIN20090420_202531_000000252078_00200_37328_8897.N1	20-APR-2009 20:25:31	Twilight	24.500	39	85Eta UMa	1.8540	24000.	49	37328	No
133	GOM_NL__2PRFIN20090420_203342_000000272078_00200_37328_8898.N1	20-APR-2009 20:33:42	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37328	No
134	GOM_NL__2PRFIN20090420_204817_000000222078_00200_37328_8899.N1	20-APR-2009 20:48:17	Twilight	22.000	19	50Alp Cyg	1.2460	10500.	44	37328	No
135	GOM_NL__2PRFIN20090420_210052_000000212078_00200_37328_8900.N1	20-APR-2009 21:00:52	Dark	21.000	61	8Eps Peg	2.1000	3900.0	42	37328	No
136	GOM_NL__2PRFIN20090420_210615_000000242078_00200_37328_8901.N1	20-APR-2009 21:06:15	Dark	24.000	154	22Bet Aqr	2.8990	5700.0	48	37328	No
137	GOM_NL__2PRFIN20090420_212837_000000272078_00201_37329_8907.N1	20-APR-2009 21:28:37	Dark	27.000	147	Alp Ara	2.8770	26000.	54	37329	No
138	GOM_NL__2PRFIN20090420_213049_000000352078_00201_37329_8908.N1	20-APR-2009 21:30:49	Straylight	34.500	25	35Lam Sco	1.6200	28000.	69	37329	No
139	GOM_NL__2PRFIN20090420_213431_000000342078_00201_37329_8909.N1	20-APR-2009 21:34:31	Straylight	33.500	75	26Eps Sco	2.2910	4250.0	67	37329	No
140	GOM_NL__2PRFIN20090420_214528_000000272078_00201_37329_8910.N1	20-APR-2009 21:45:28	Twilight	27.000	122	9Alp2Lib	2.7470	9700.0	54	37329	No
141	GOM_NL__2PRFIN20090420_215704_000000262078_00201_37329_8911.N1	20-APR-2009 21:57:04	Twilight	26.000	111	8Eta Boo	2.6800	6000.0	52	37329	No
142	GOM_NL__2PRFIN20090420_220432_000000292078_00201_37329_8912.N1	20-APR-2009 22:04:32	Twilight	29.000	180	27Gam Boo	3.0400	8000.0	58	37329	No
143	GOM_NL__2PRFIN20090420_220607_000000252078_00201_37329_8913.N1	20-APR-2009 22:06:07	Twilight	24.500	39	85Eta UMa	1.8540	24000.	49	37329	No
144	GOM_NL__2PRFIN20090420_221417_000000272078_00201_37329_8914.N1	20-APR-2009 22:14:17	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37329	No
145	GOM_NL__2PRFIN20090420_222853_000000222078_00201_37329_8915.N1	20-APR-2009 22:28:53	Twilight	22.000	19	50Alp Cyg	1.2460	10500.	44	37329	No
146	GOM_NL__2PRFIN20090420_224128_000000222078_00201_37329_8916.N1	20-APR-2009 22:41:28	Dark	21.500	61	8Eps Peg	2.1000	3900.0	43	37329	No
147	GOM_NL__2PRFIN20090420_224652_000000242078_00201_37329_8917.N1	20-APR-2009 22:46:52	Dark	23.500	154	22Bet Aqr	2.8990	5700.0	47	37329	No
148	GOM_NL__2PRFIN20090420_230913_000000282078_00202_37330_8924.N1	20-APR-2009 23:09:13	Dark	27.500	147	Alp Ara	2.8770	26000.	55	37330	No
149	GOM_NL__2PRFIN20090420_231126_000000342078_00202_37330_8925.N1	20-APR-2009 23:11:26	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37330	No
150	GOM_NL__2PRFIN20090420_231508_000000342078_00202_37330_8926.N1	20-APR-2009 23:15:08	Straylight	33.500	75	26Eps Sco	2.2910	4250.0	67	37330	No
151	GOM_NL__2PRFIN20090420_232604_000000272078_00202_37330_8927.N1	20-APR-2009 23:26:04	Twilight	27.000	122	9Alp2Lib	2.7470	9700.0	54	37330	No
152	GOM_NL__2PRFIN20090420_233739_000000262078_00202_37330_8928.N1	20-APR-2009 23:37:39	Twilight	26.000	111	8Eta Boo	2.6800	6000.0	52	37330	No
153	GOM_NL__2PRFIN20090420_234507_000000292078_00202_37330_8929.N1	20-APR-2009 23:45:07	Twilight	29.000	180	27Gam Boo	3.0400	8000.0	58	37330	No
154	GOM_NL__2PRFIN20090420_234642_000000252078_00202_37330_8930.N1	20-APR-2009 23:46:42	Twilight	24.500	39	85Eta UMa	1.8540	24000.	49	37330	No
155	GOM_NL__2PRFIN20090420_235452_000000272078_00202_37330_8931.N1	20-APR-2009 23:54:52	Twilight	26.500	119	14Eta Dra	2.7270	4700.0	53	37330	No



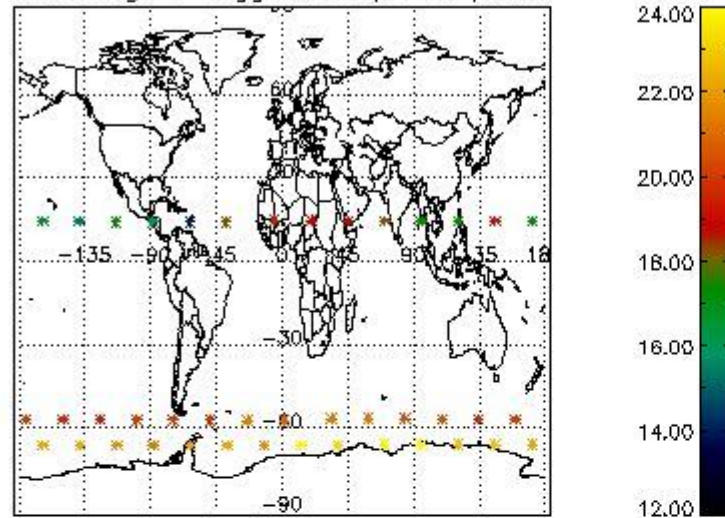
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

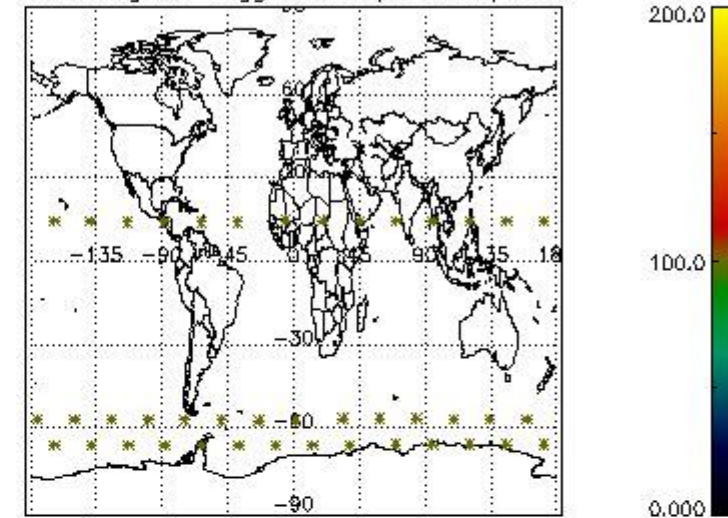


### 3.2 Plot quality information per product (world map)

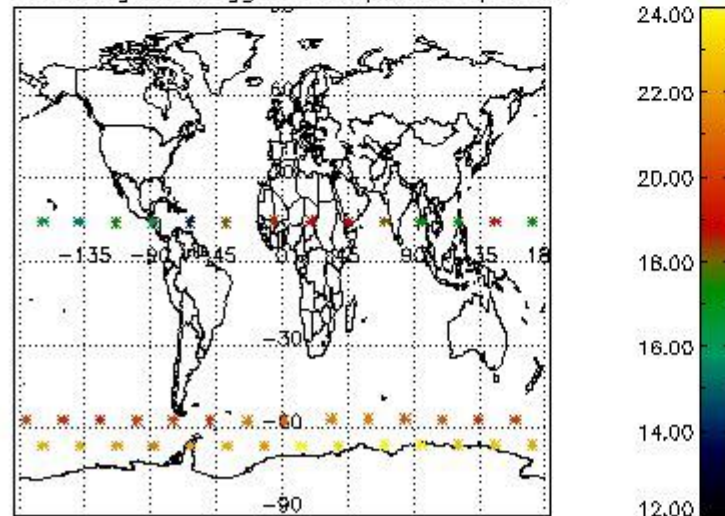
Percentage of flagged data per O3 profile



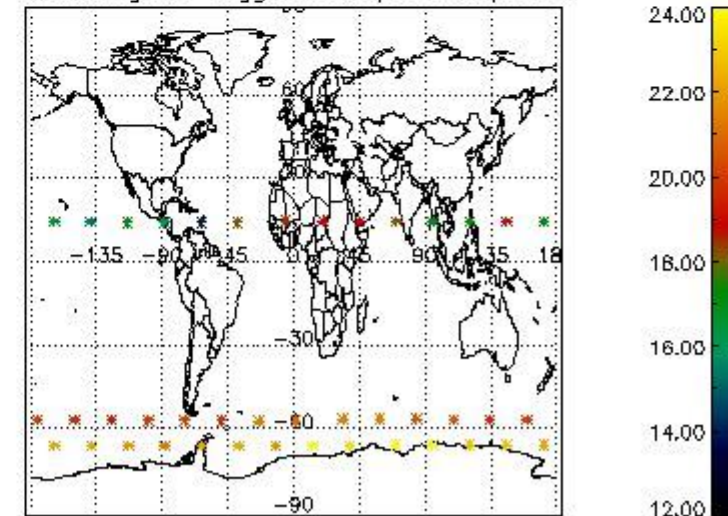
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

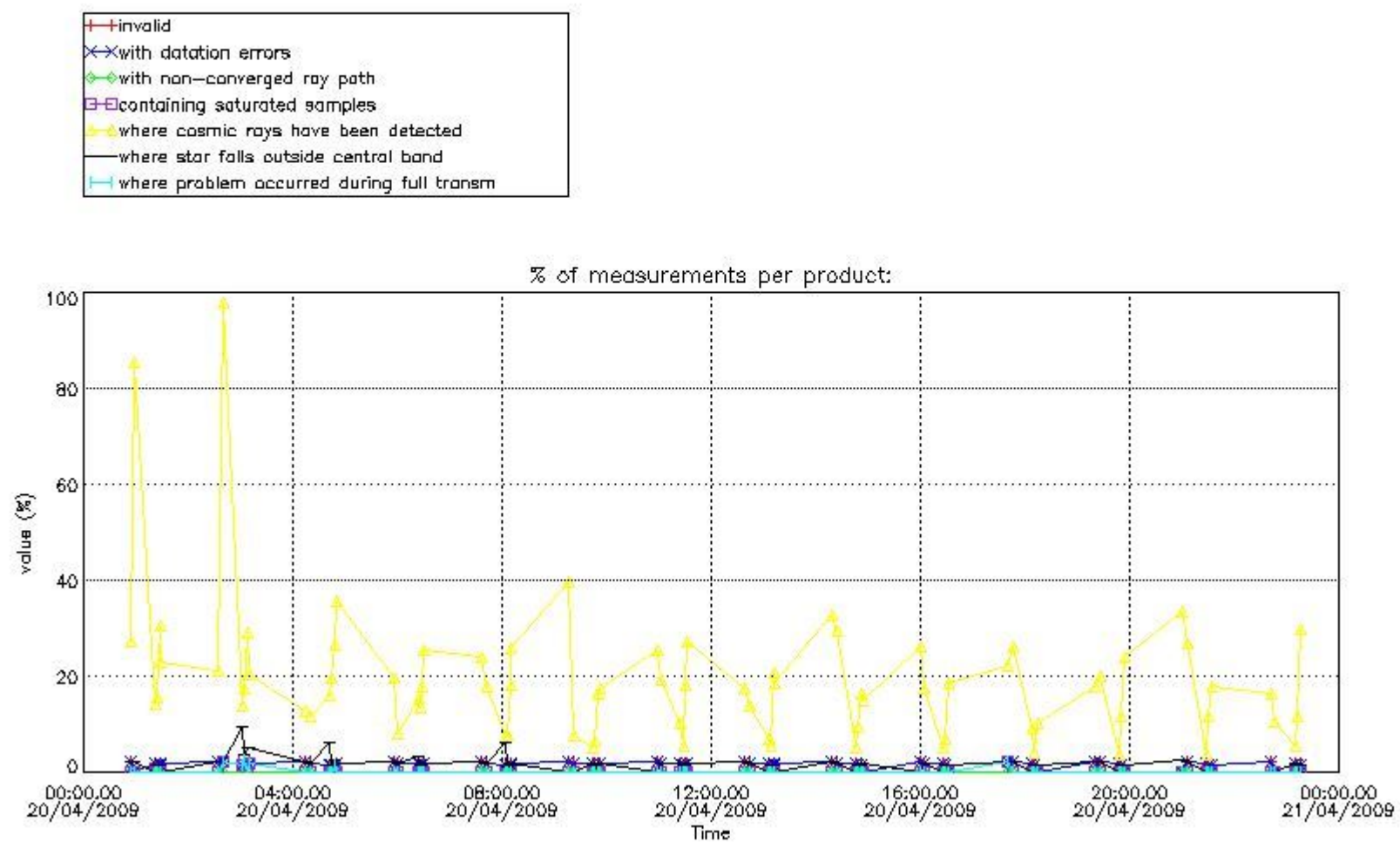


#### 4. Level 1 quality information per product

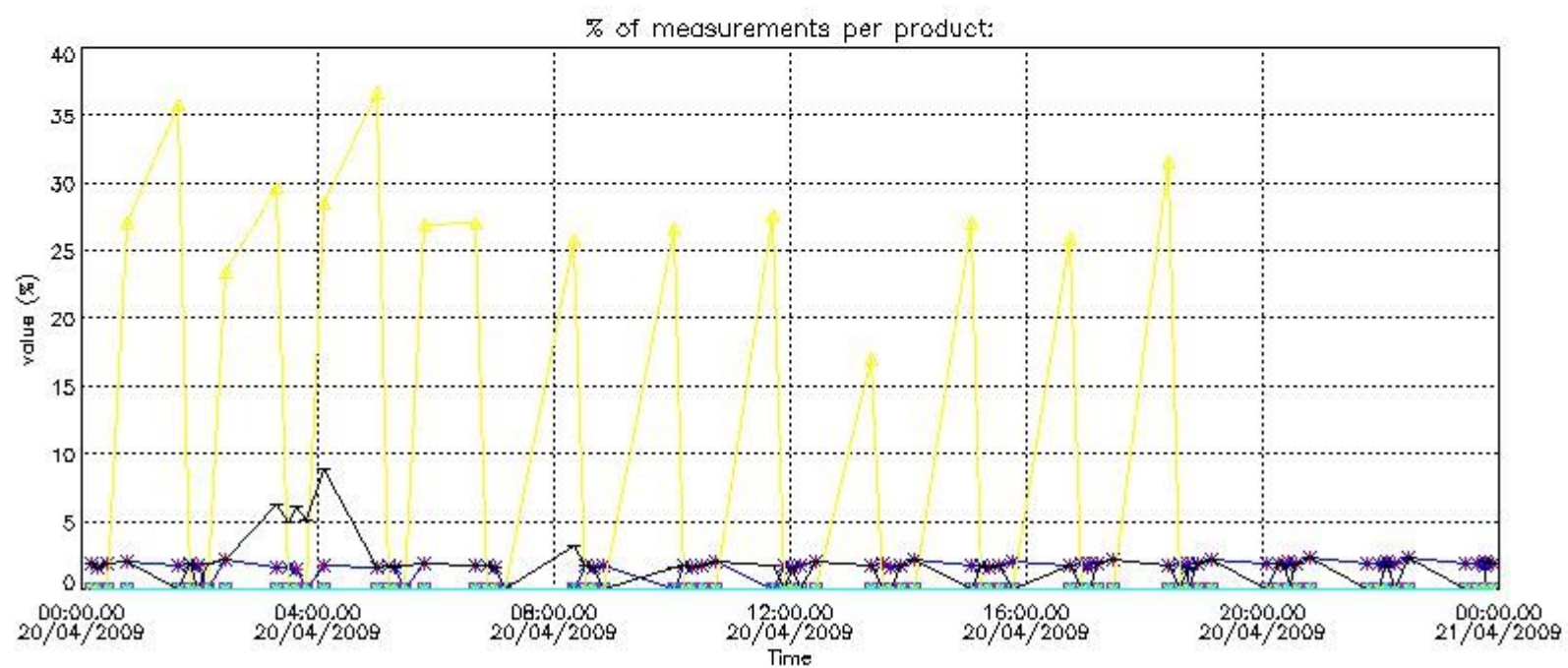
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

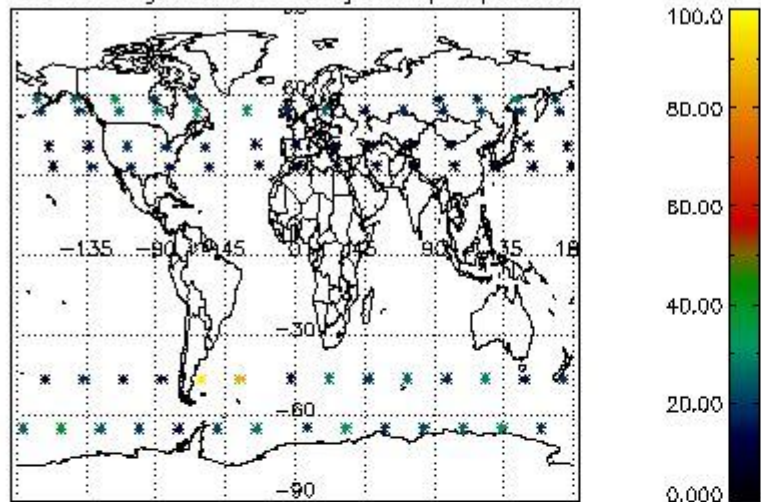


4.2 Plot quality information per product coming from level 1b processing (world map)

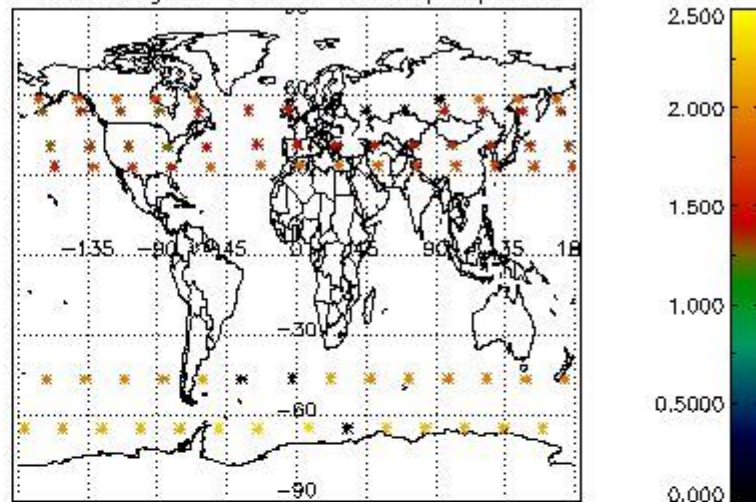
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



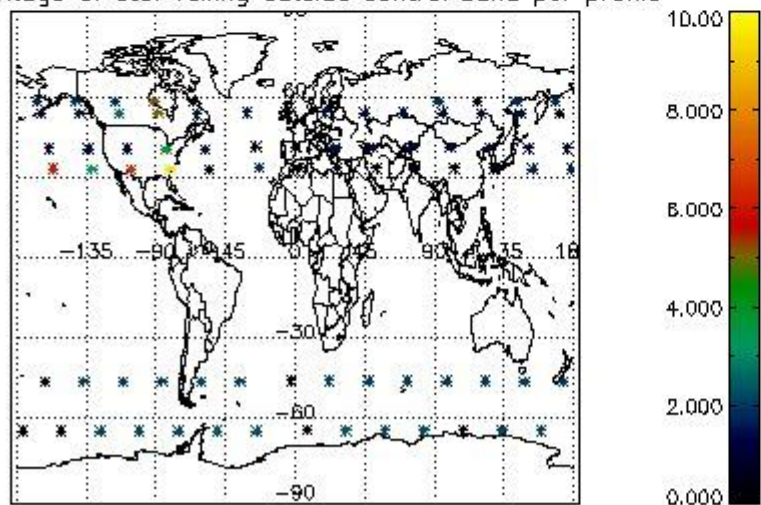
Percentage of cosmic ray hits per profile



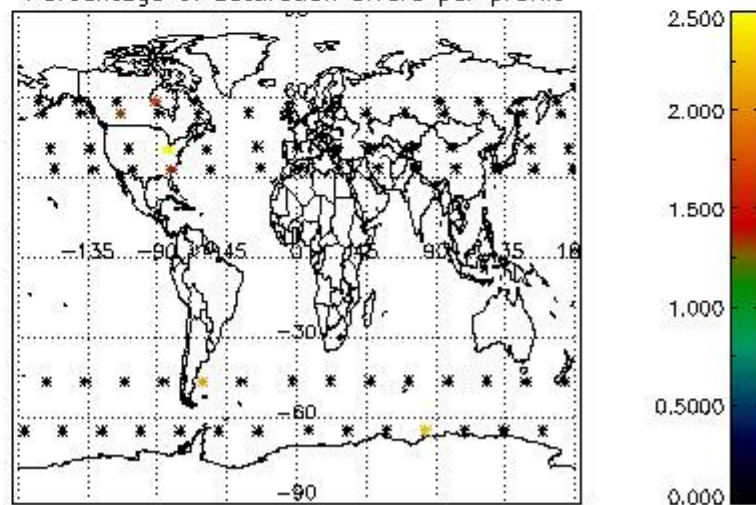
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

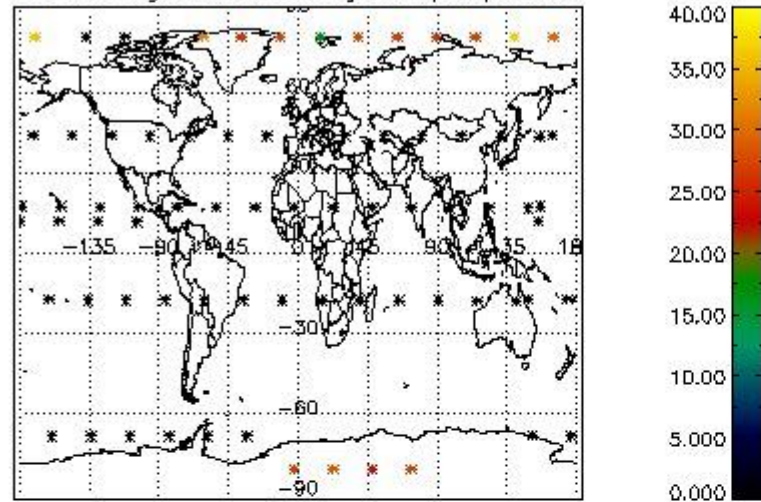


Percentage of saturation errors per profile

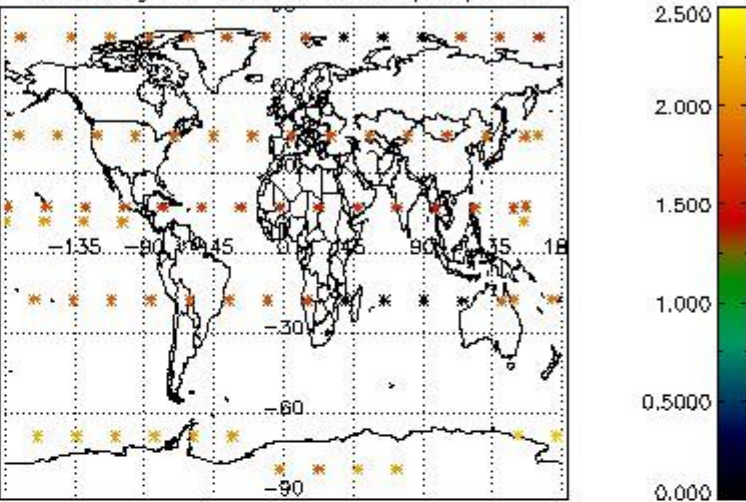


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

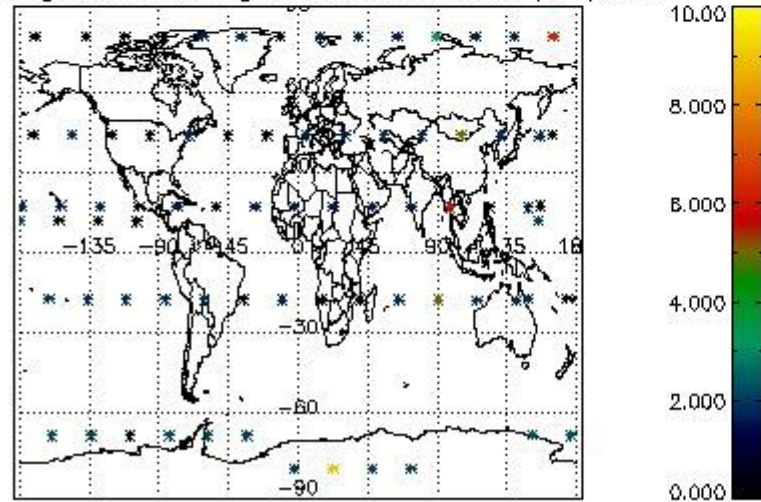
Percentage of cosmic ray hits per profile



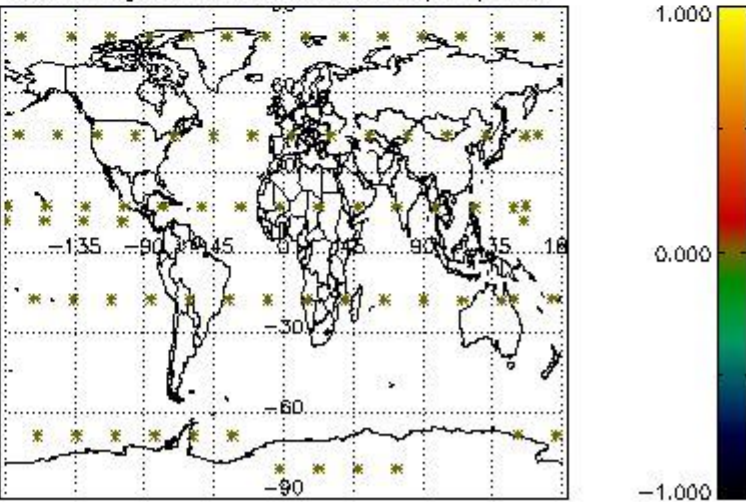
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

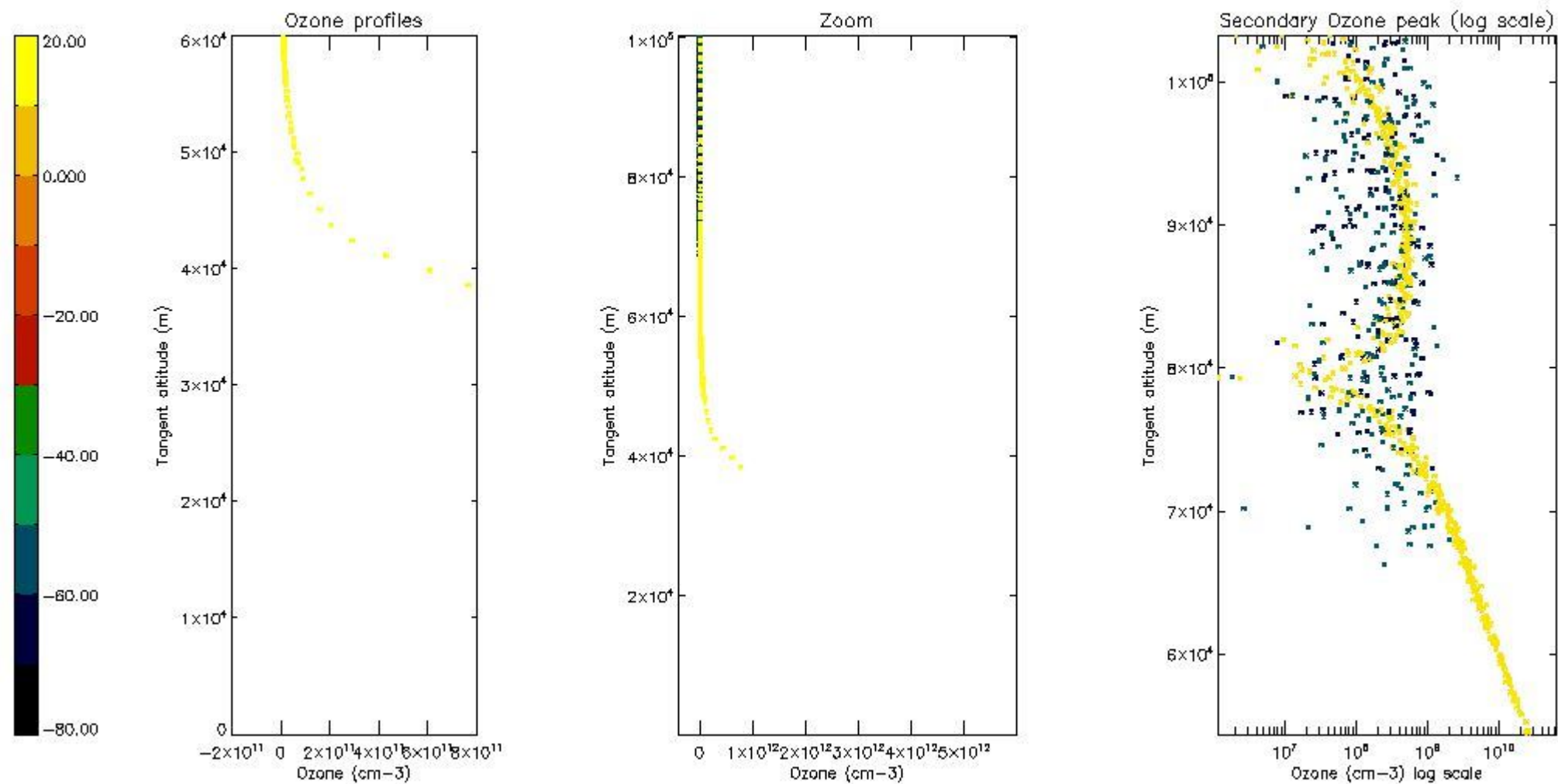
Criteria	% of total production
All STD	24
STD < 20	5



STD < 10	3
STD < 5	2

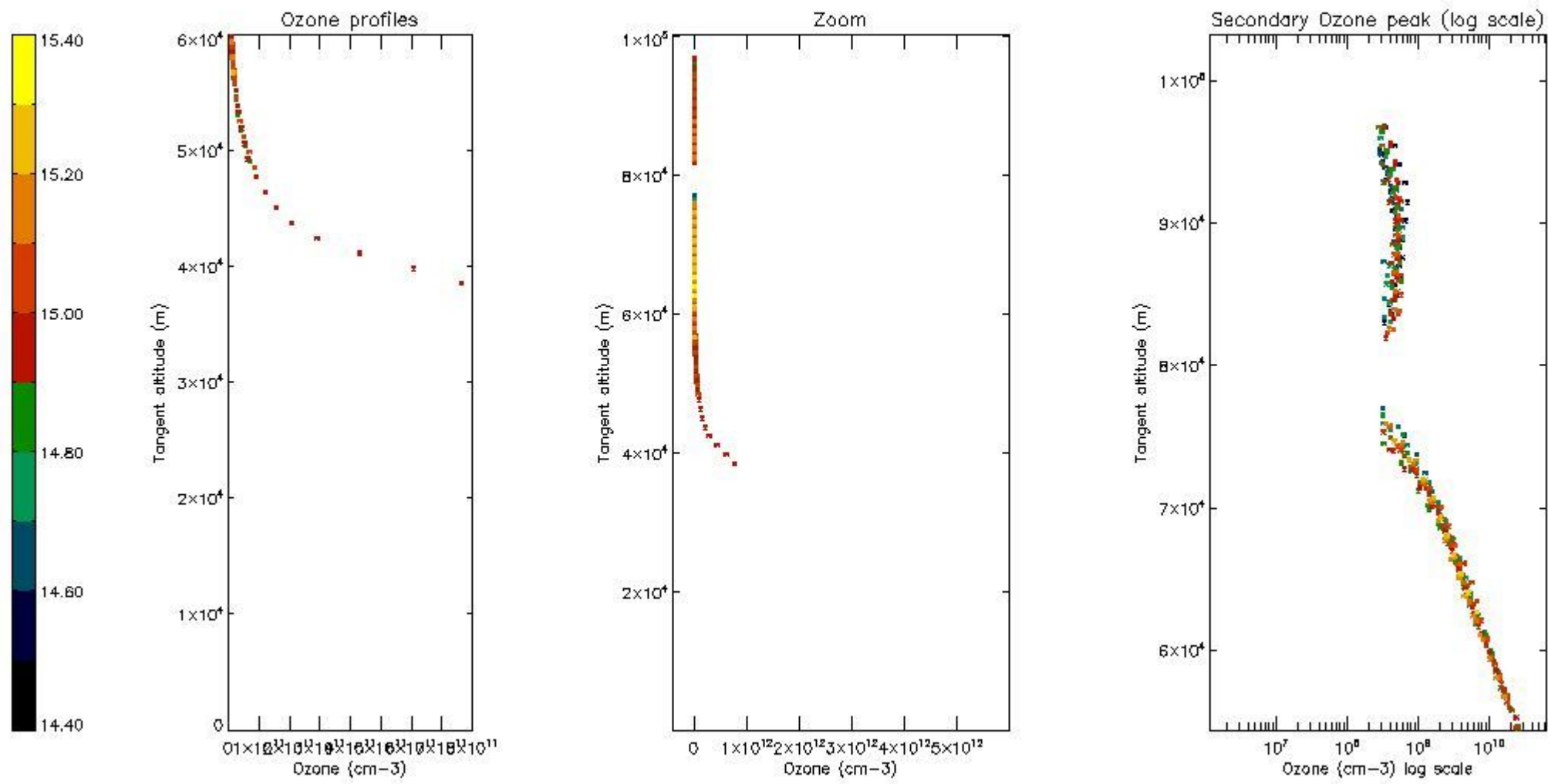
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

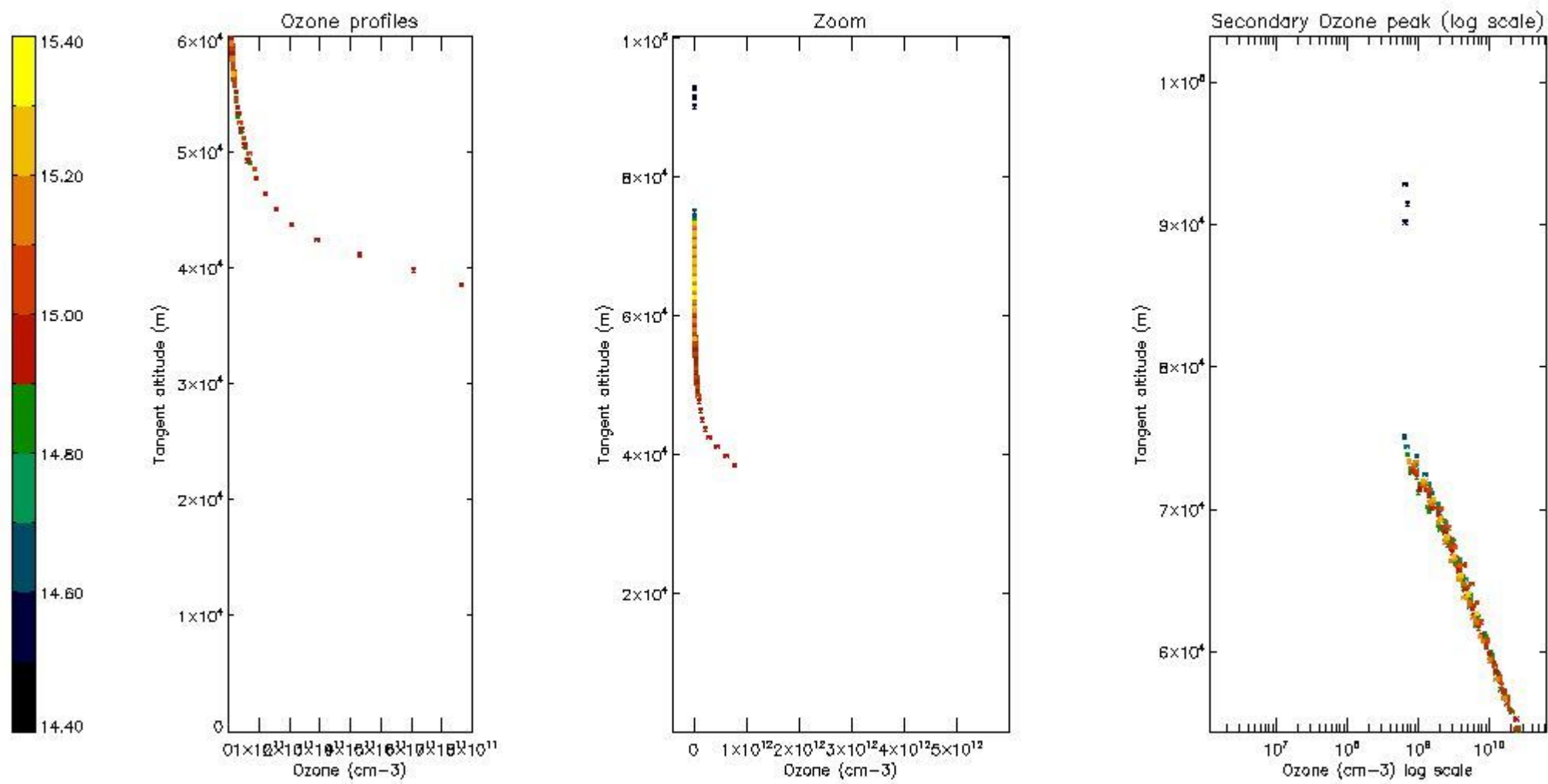
The colorbar represents the latitude.



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

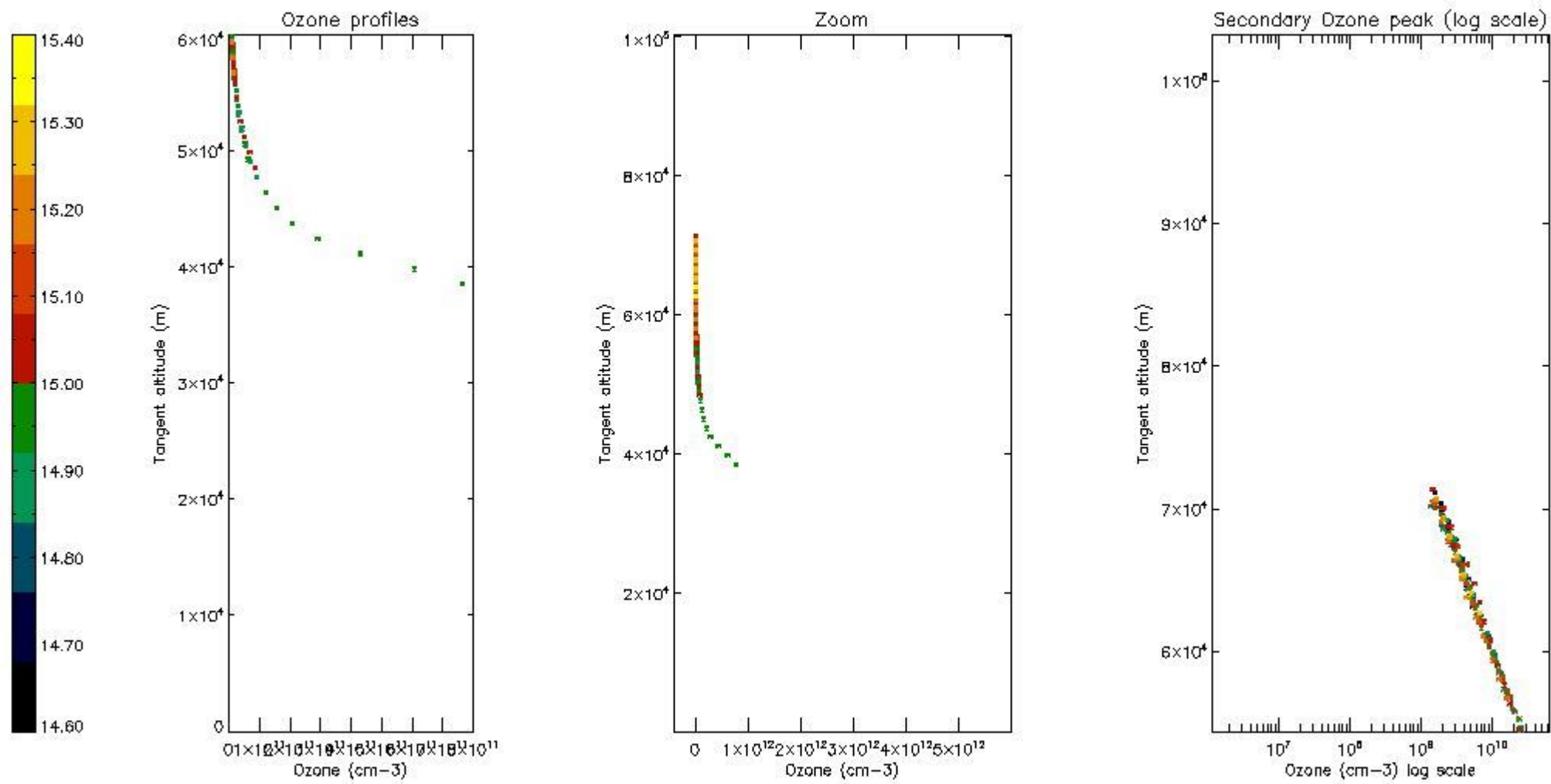
The colorbar represents the latitude.





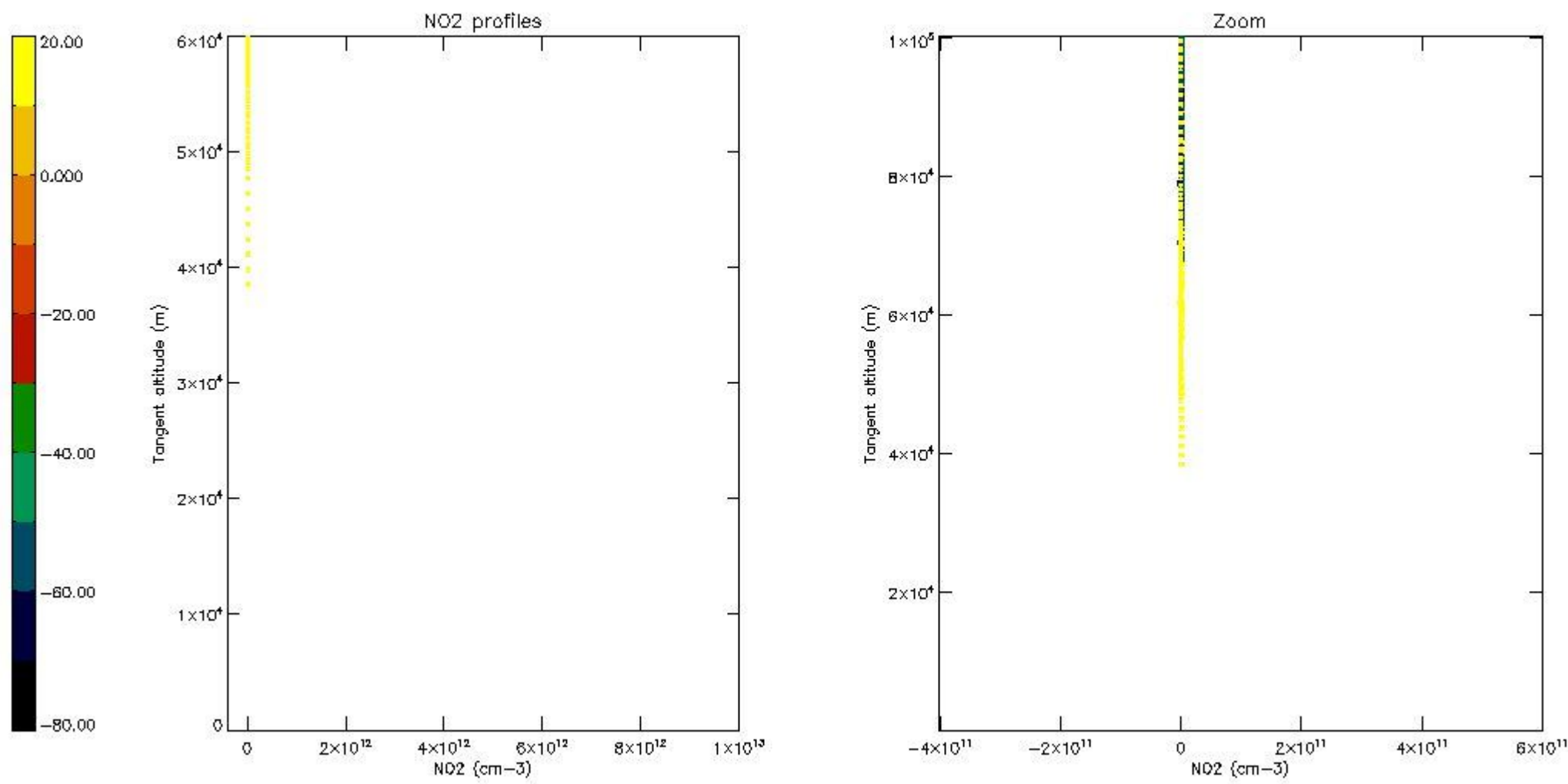
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



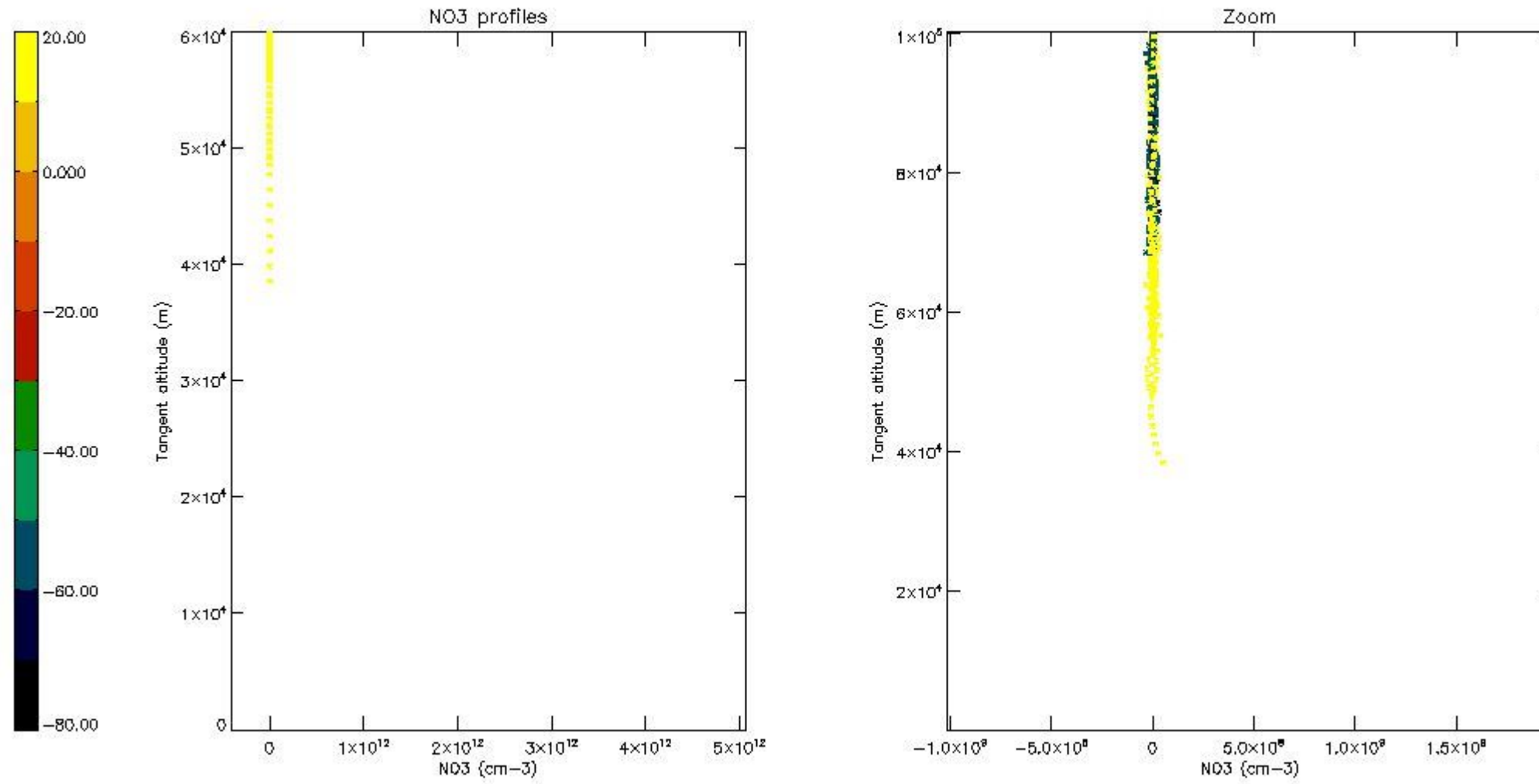
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

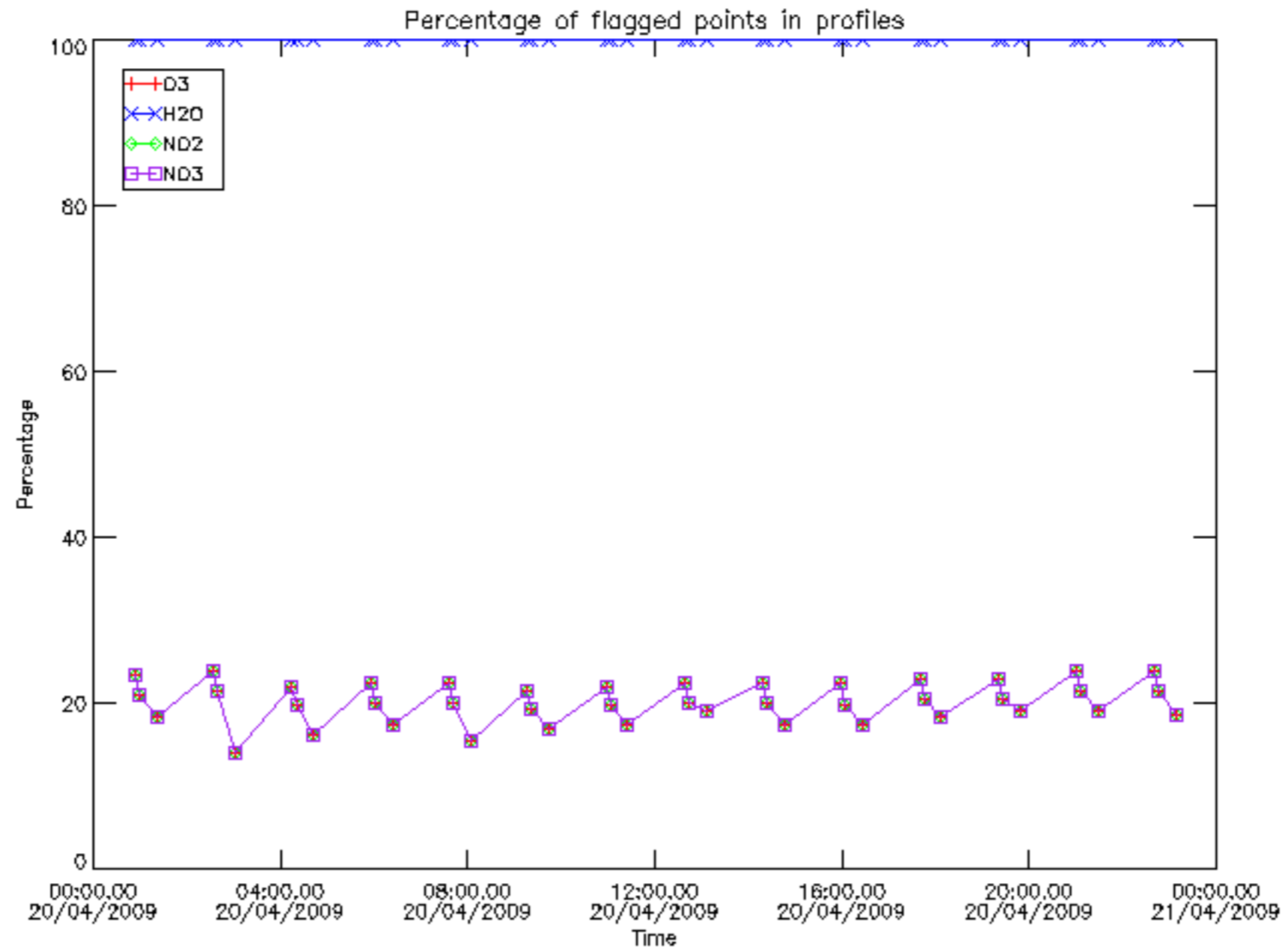


## 6. Auxiliary Data Files used for the production reported in section 2

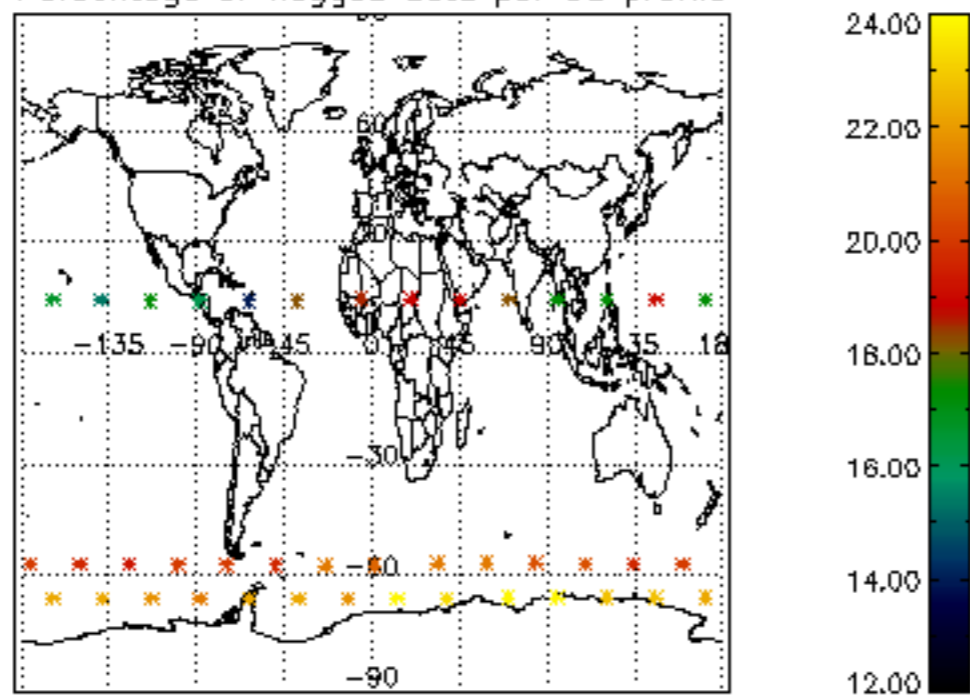
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-APR-2009 00:09:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-APR-2009 00:09:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-APR-2009 00:09:21

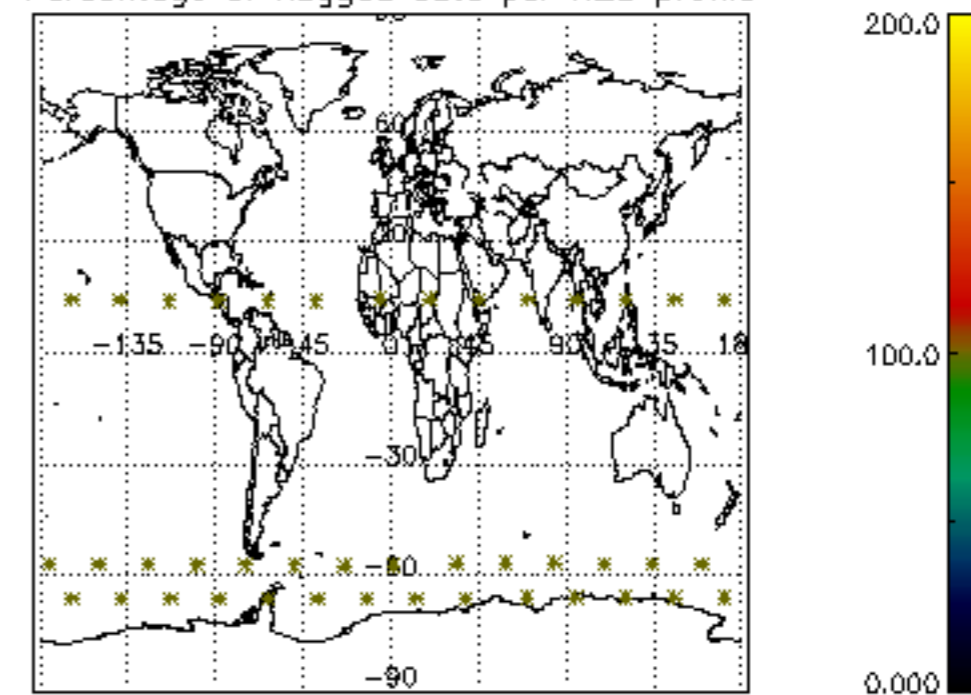




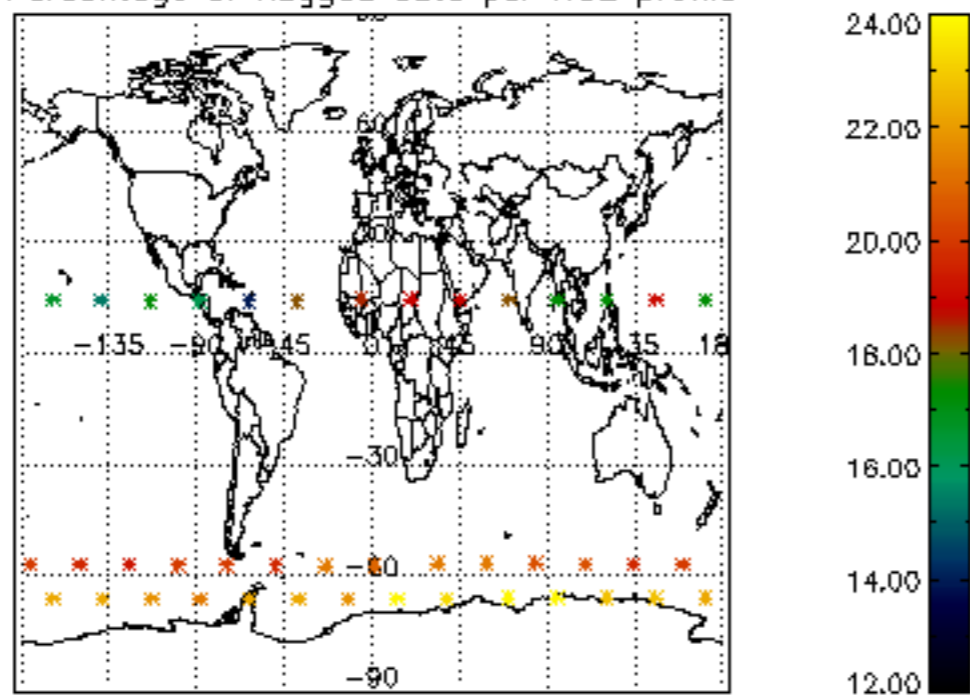
Percentage of flagged data per D3 profile



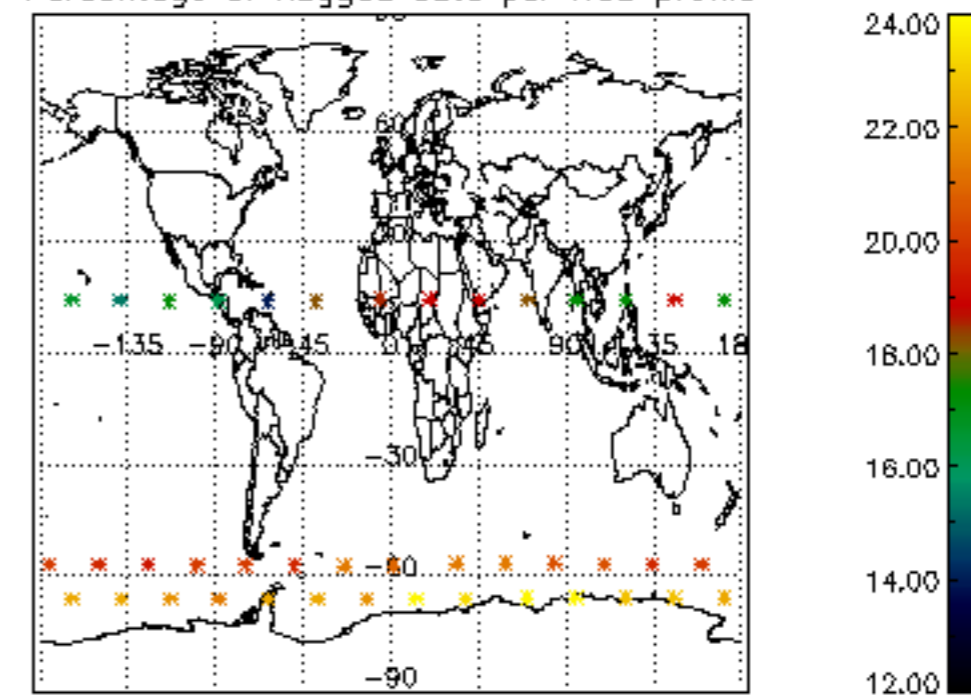
Percentage of flagged data per H2O profile

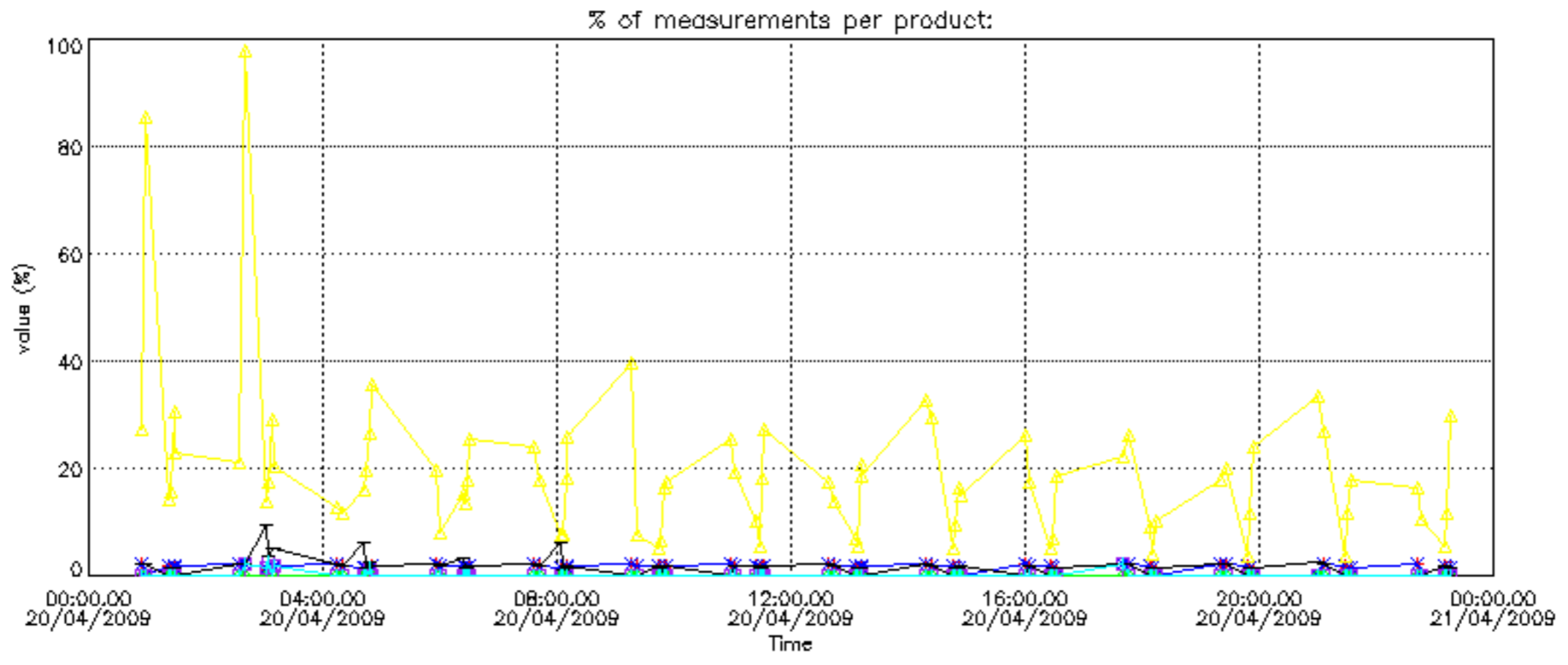


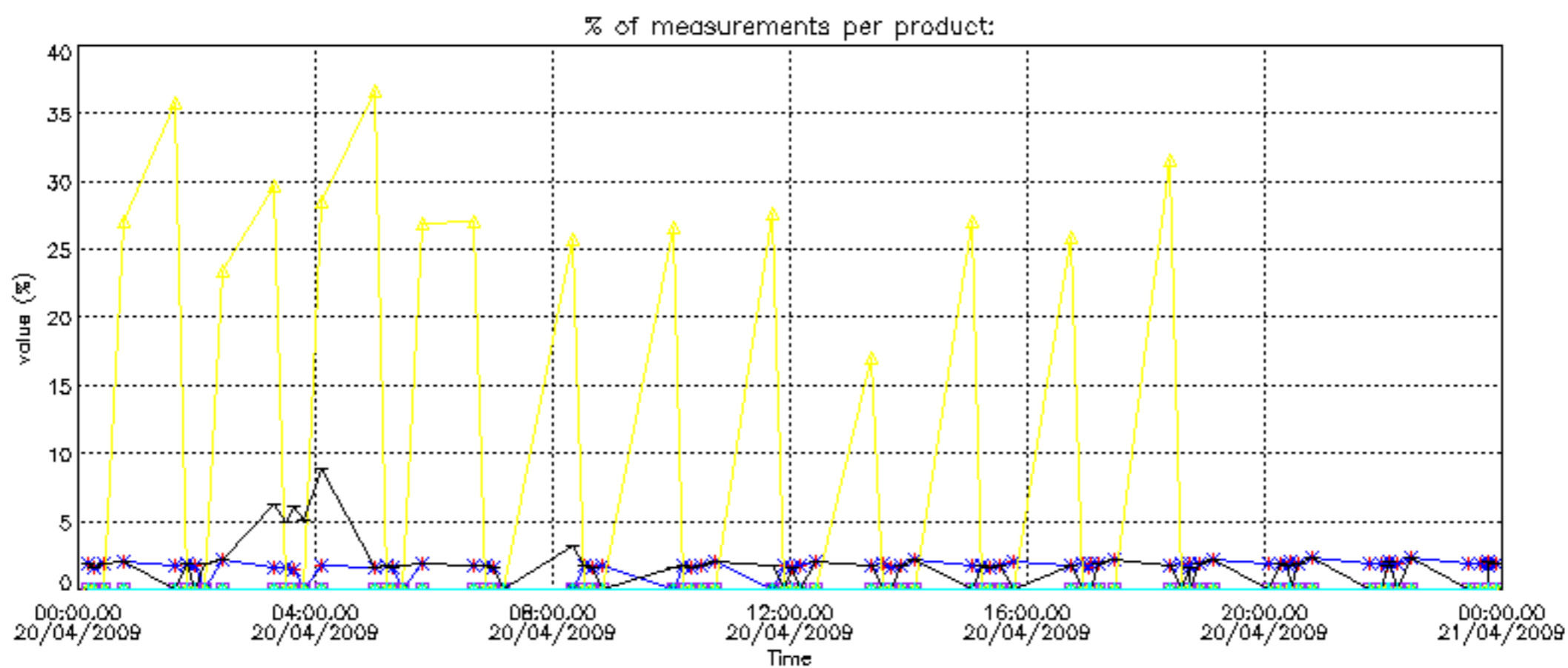
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

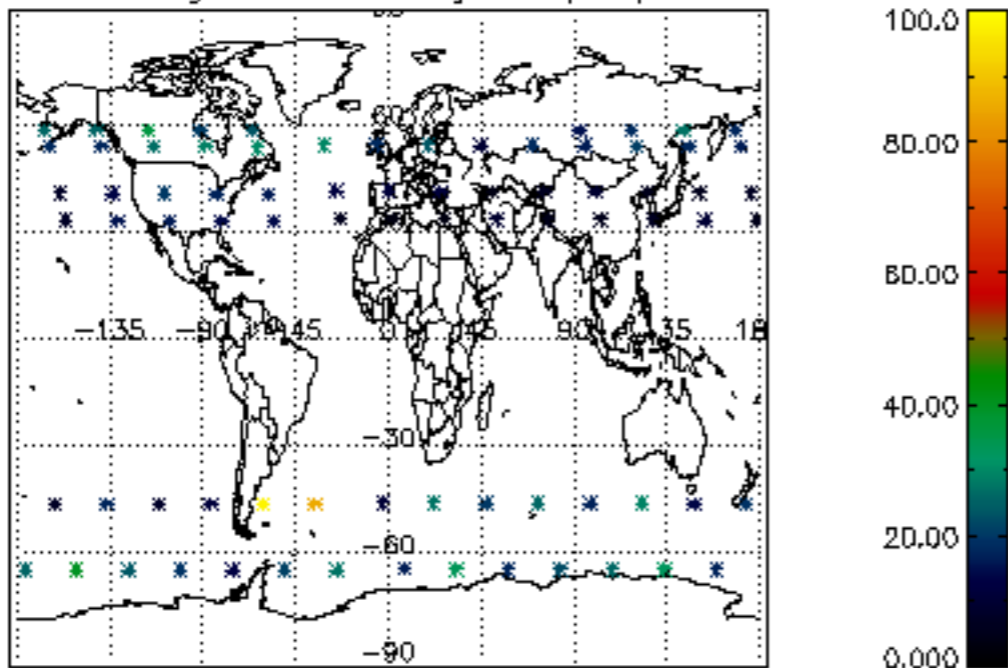




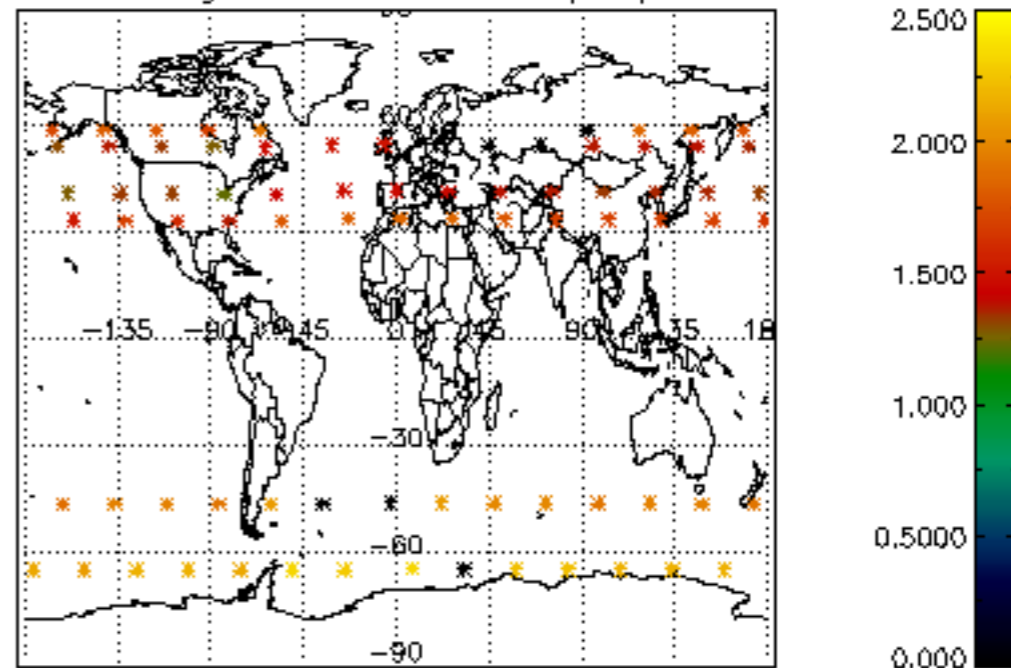




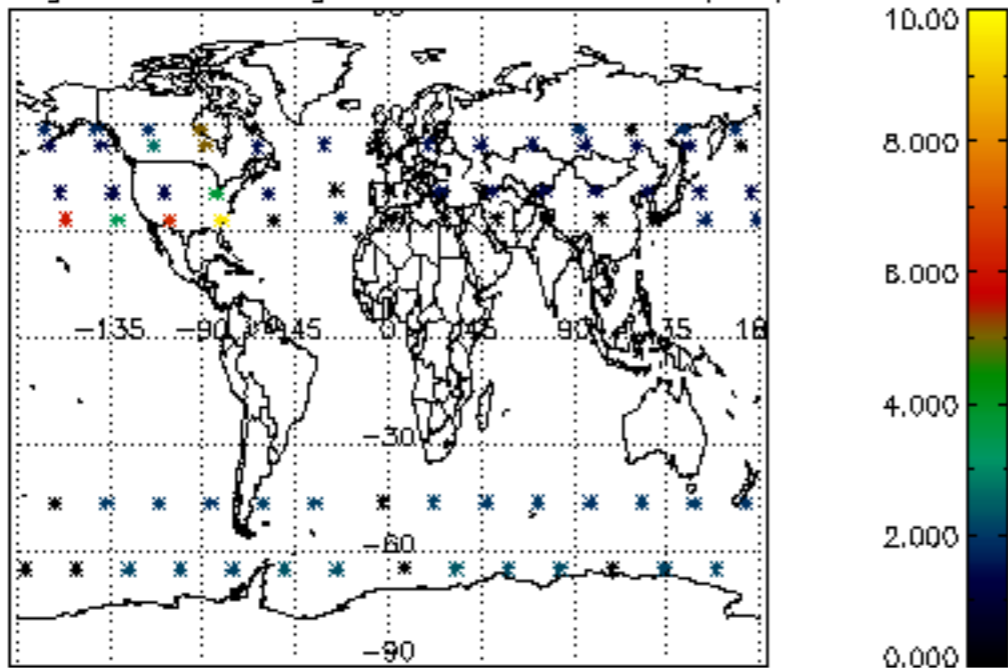
Percentage of cosmic ray hits per profile



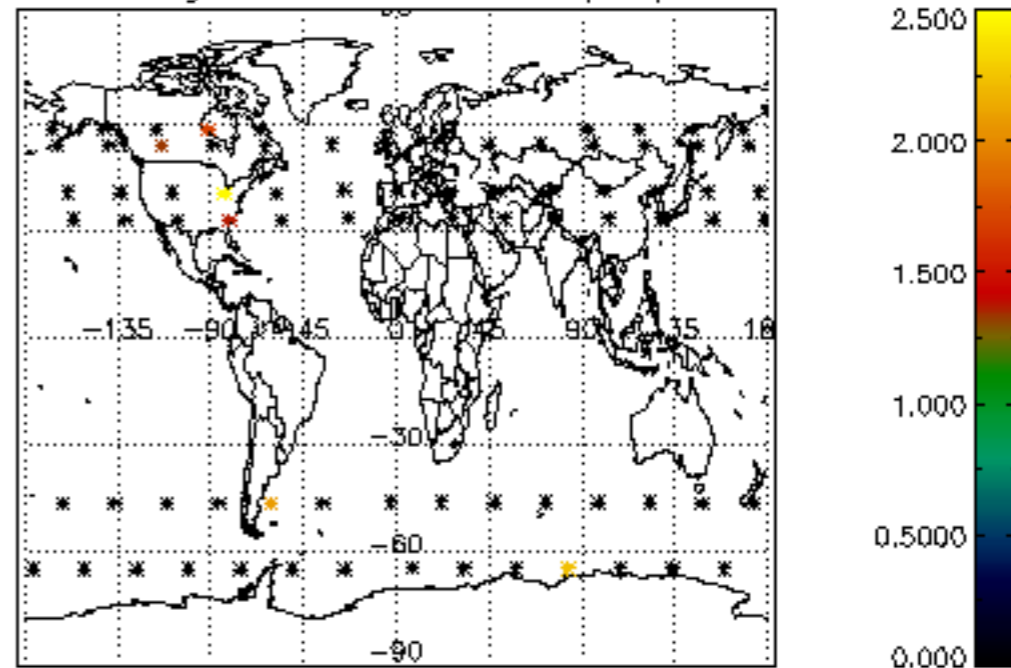
Percentage of datation errors per profile



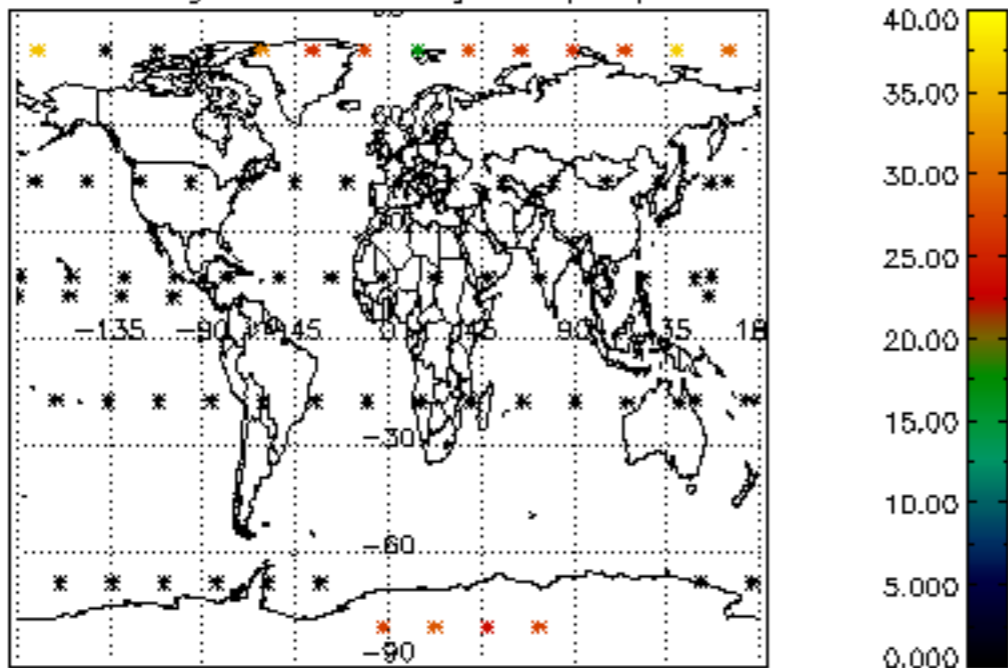
Percentage of star falling outside central band per profile



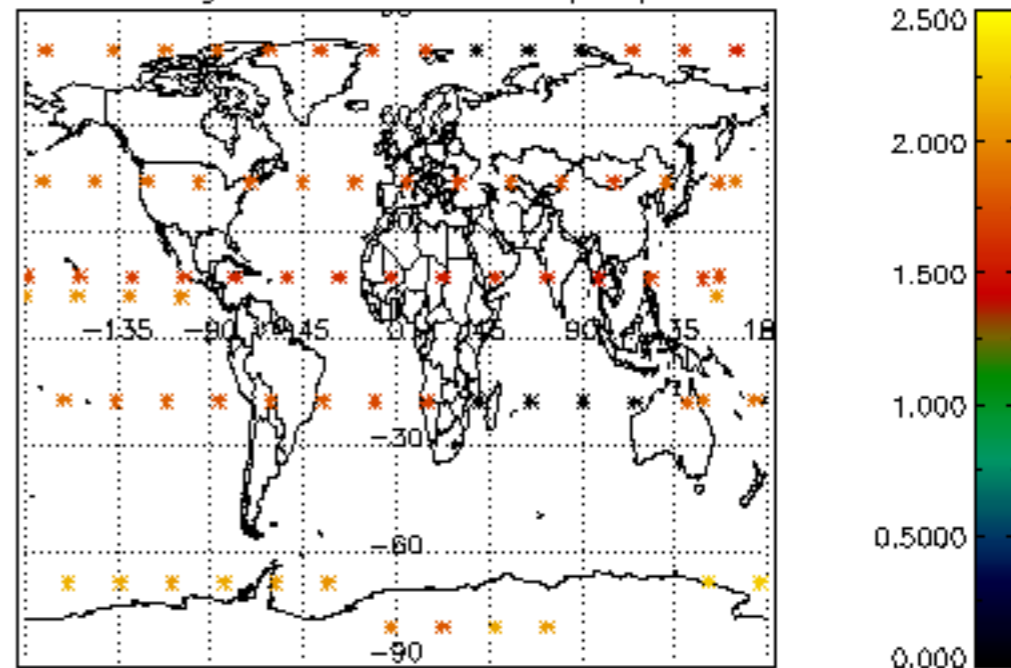
Percentage of saturation errors per profile



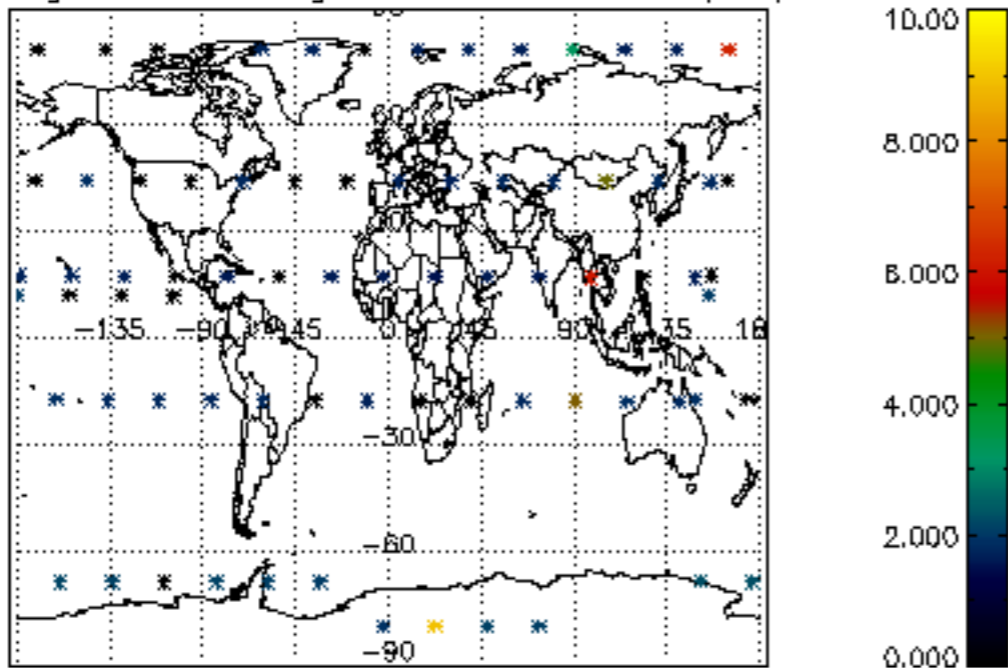
Percentage of cosmic ray hits per profile



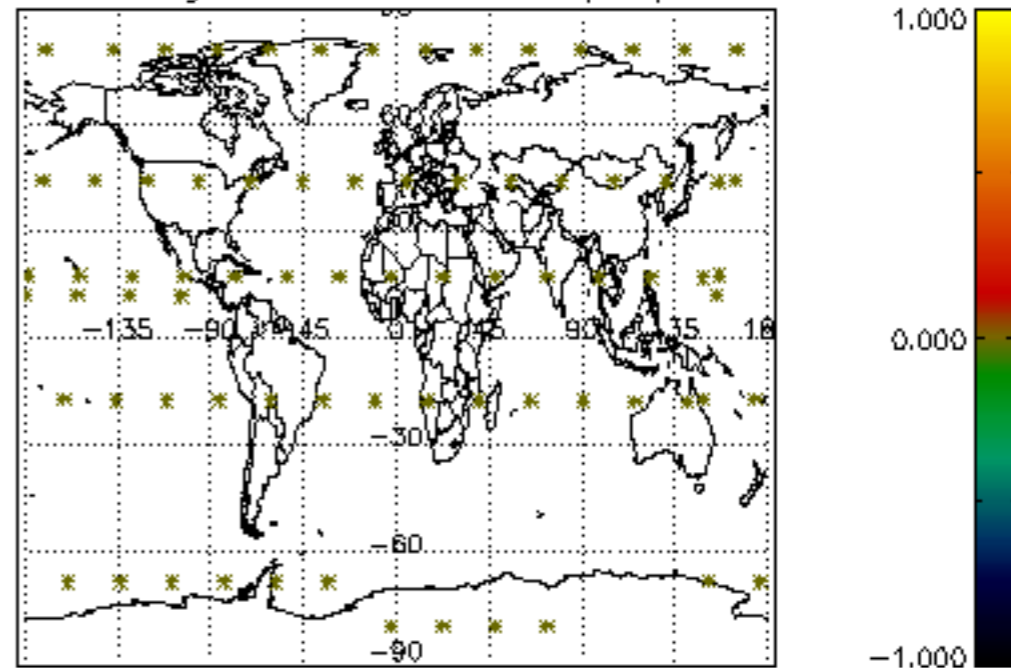
Percentage of datation errors per profile

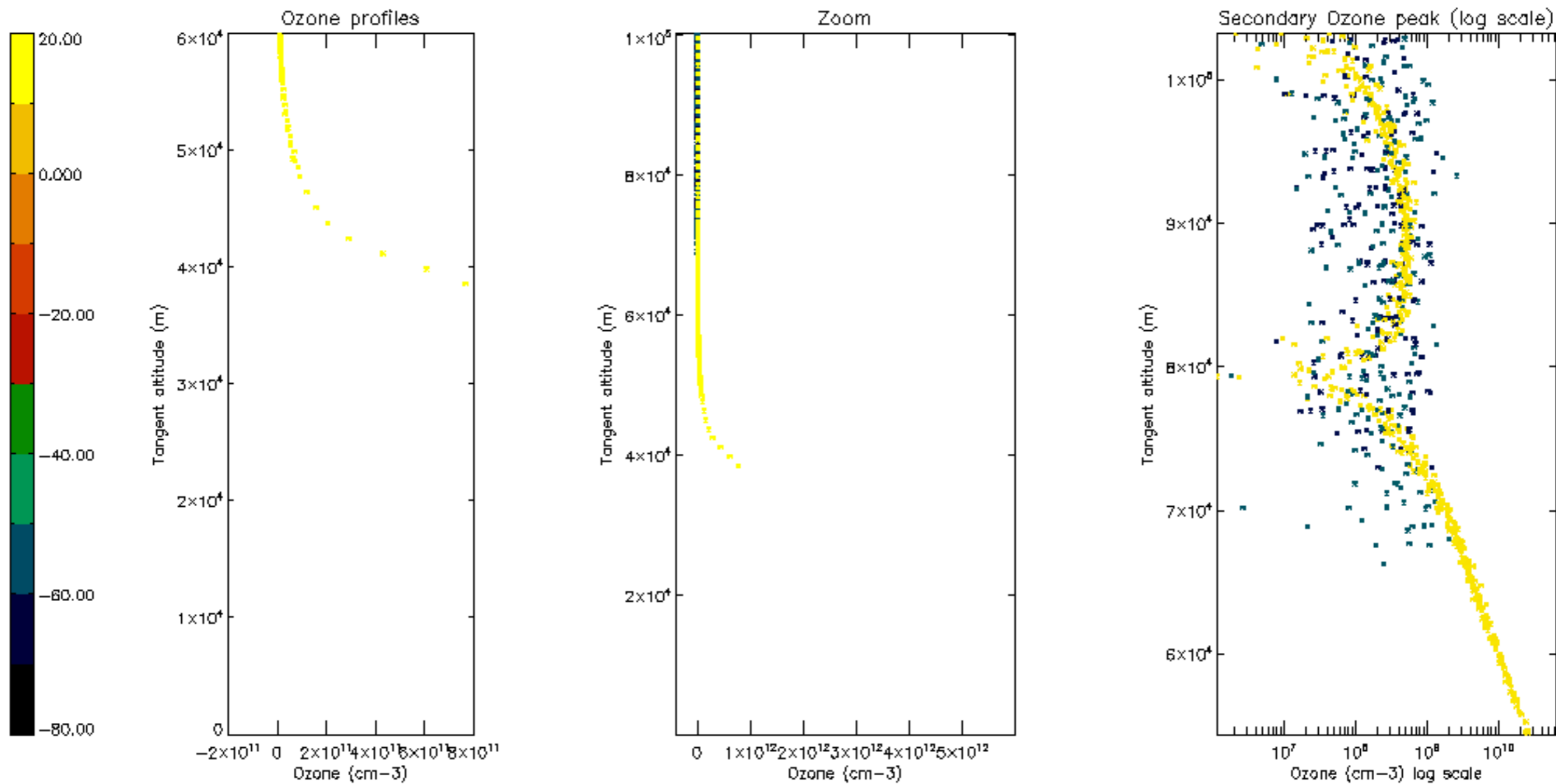


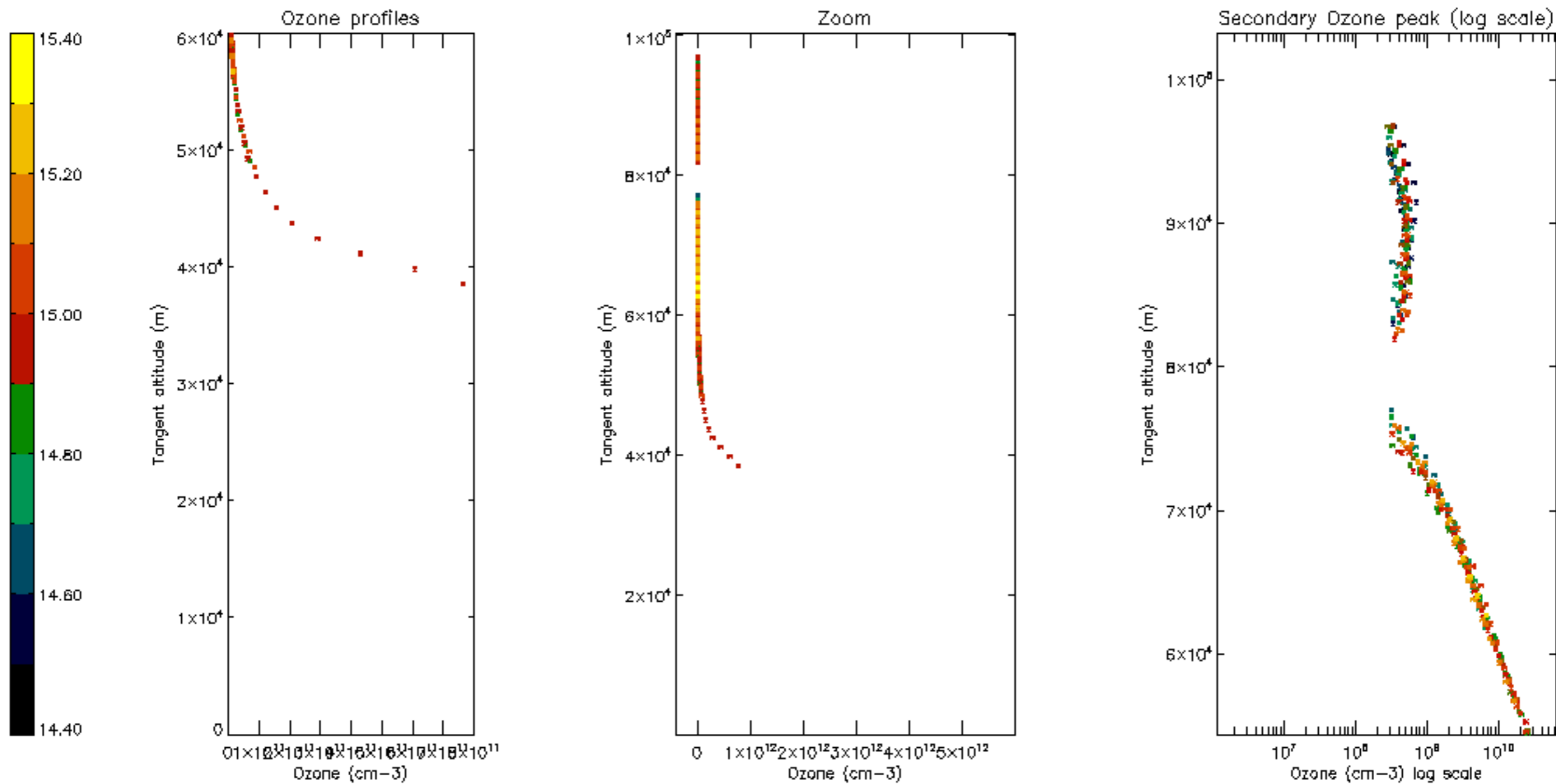
Percentage of star falling outside central band per profile



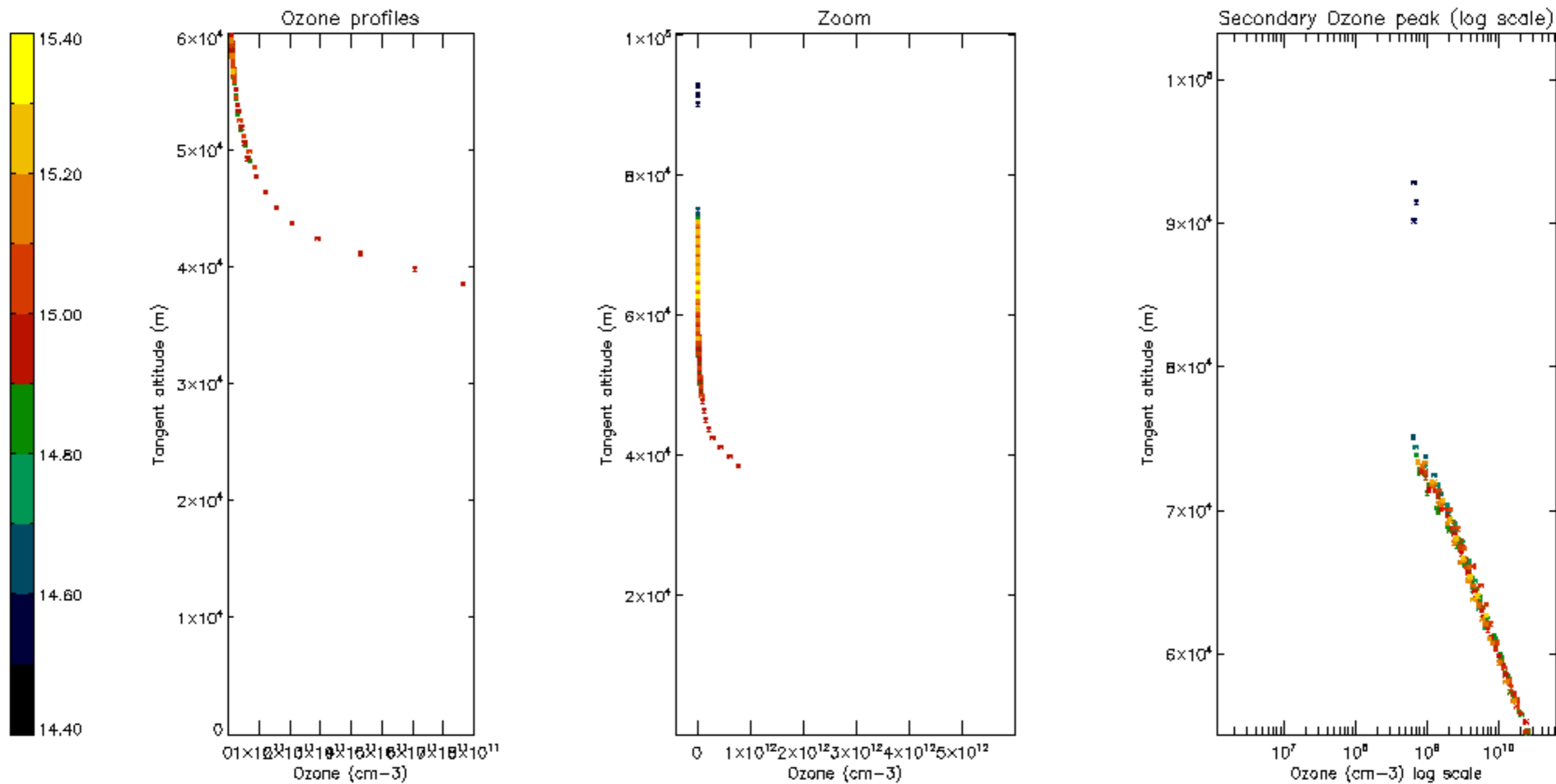
Percentage of saturation errors per profile

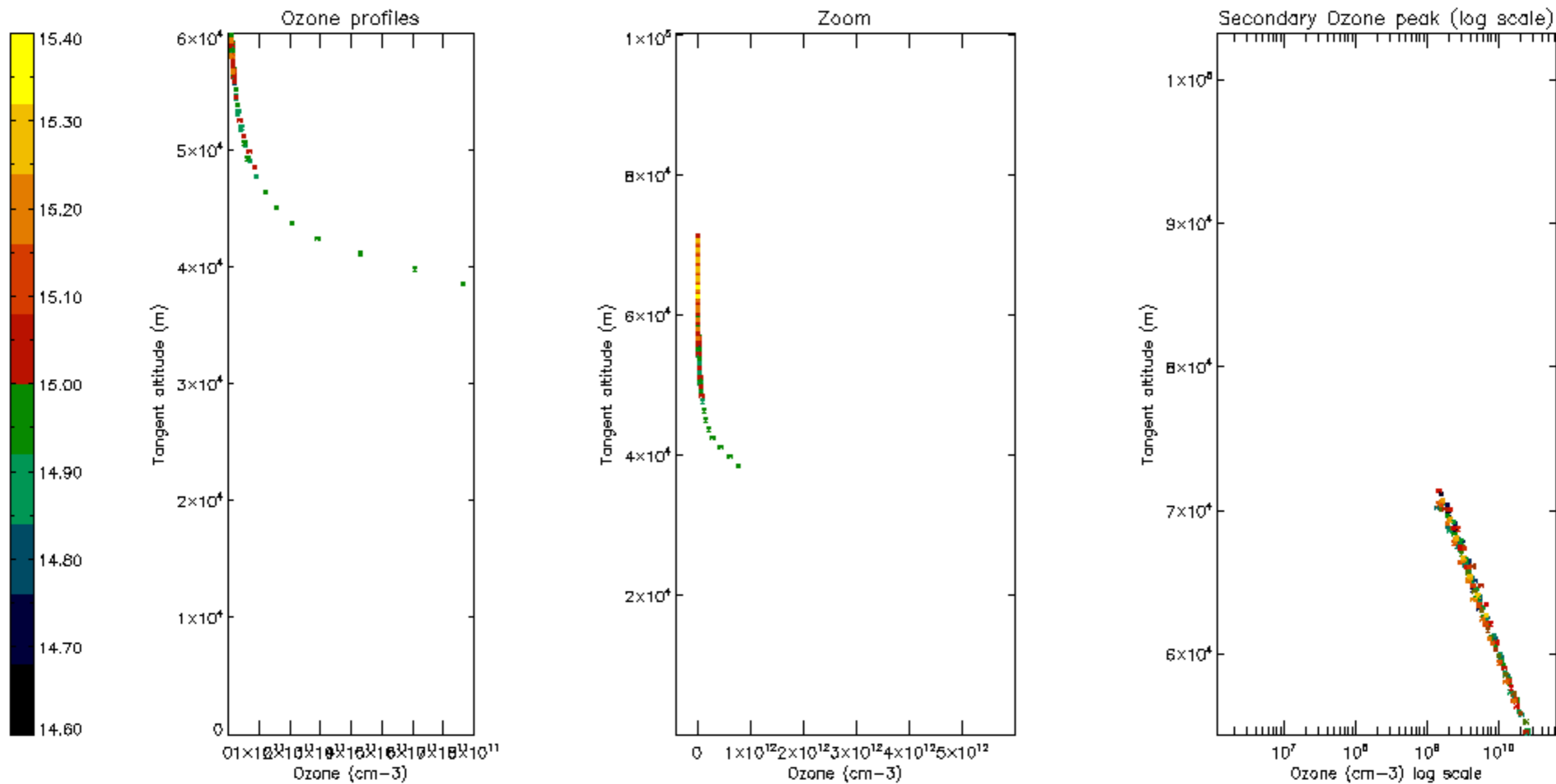


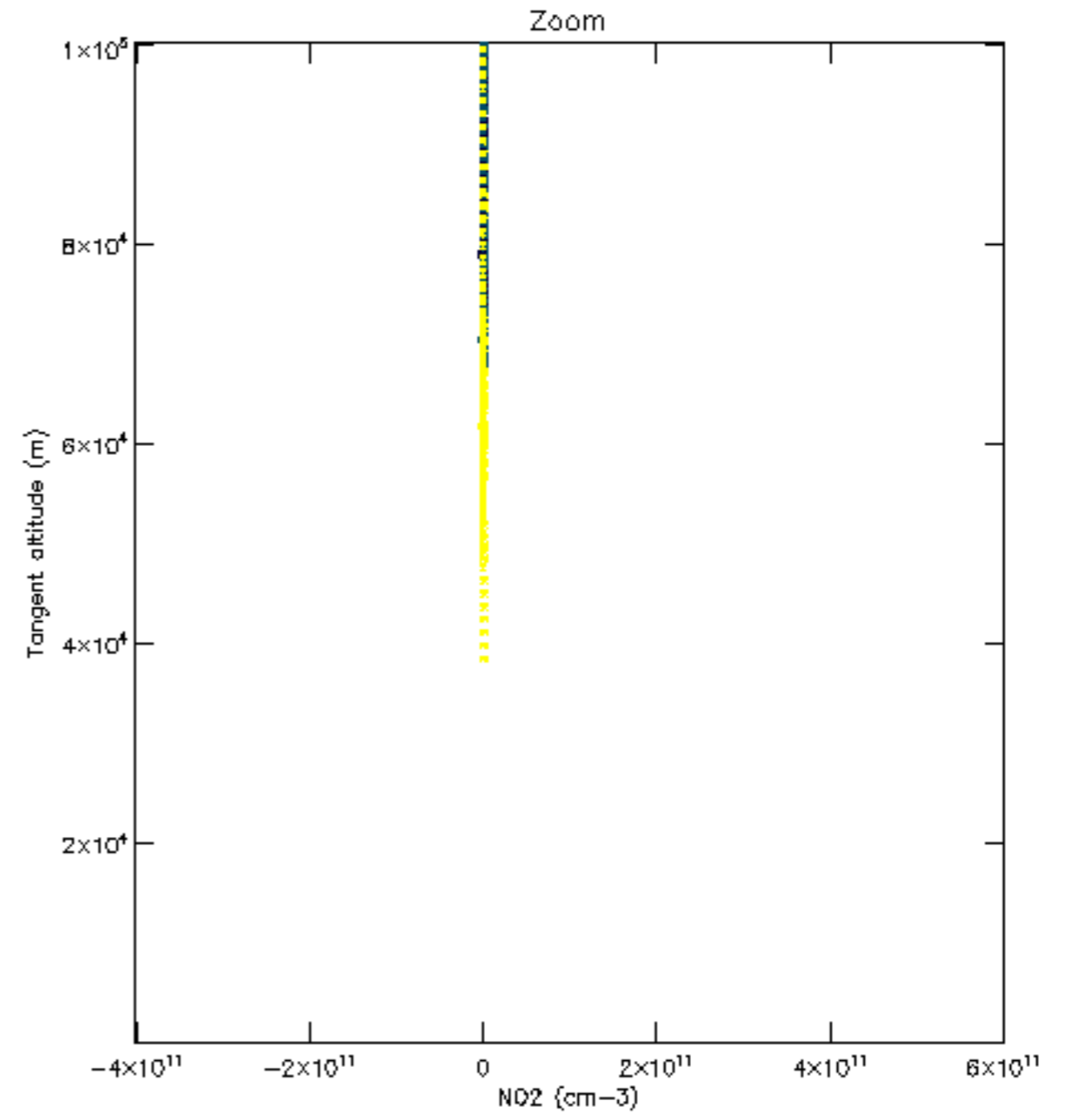
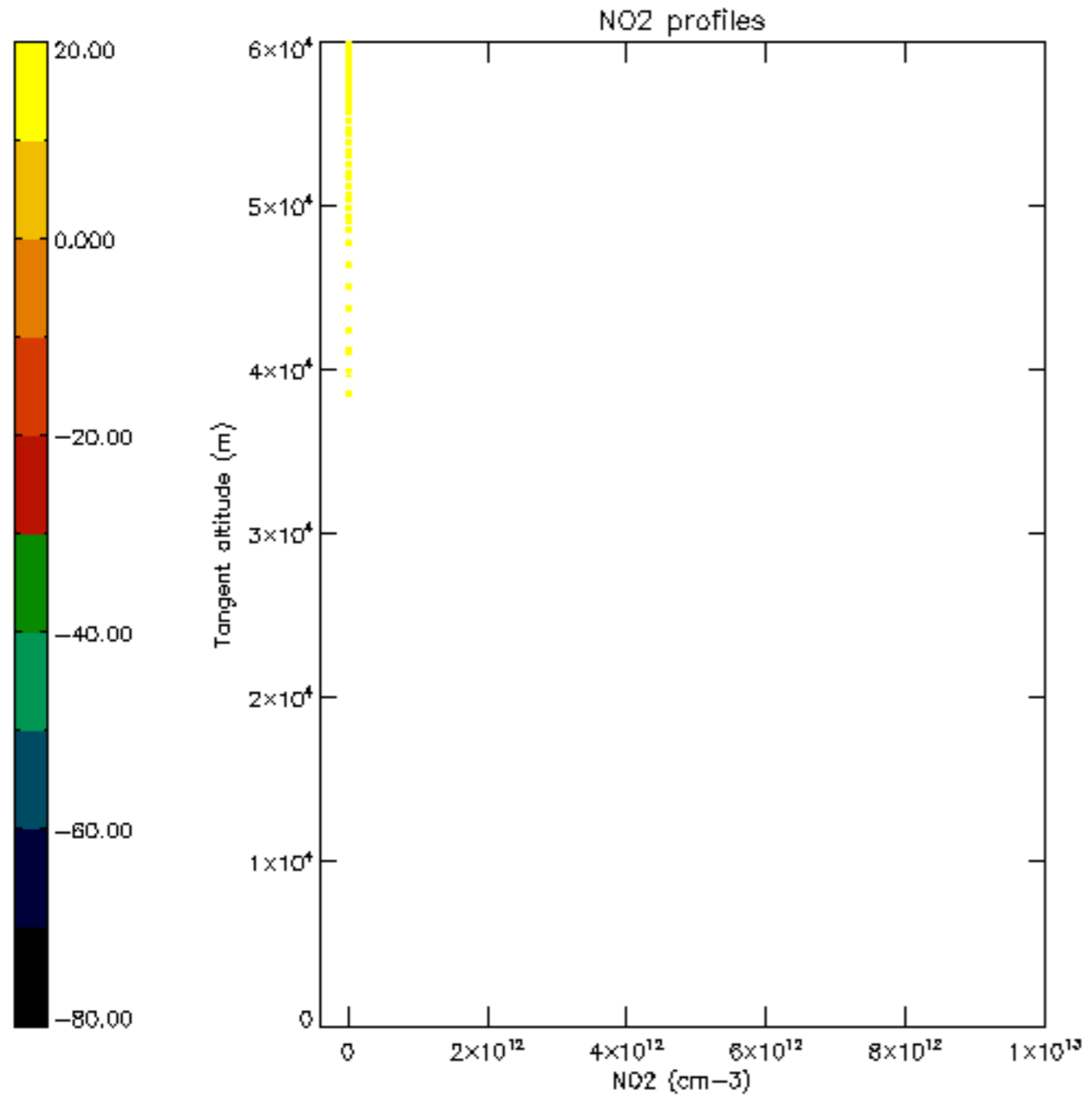


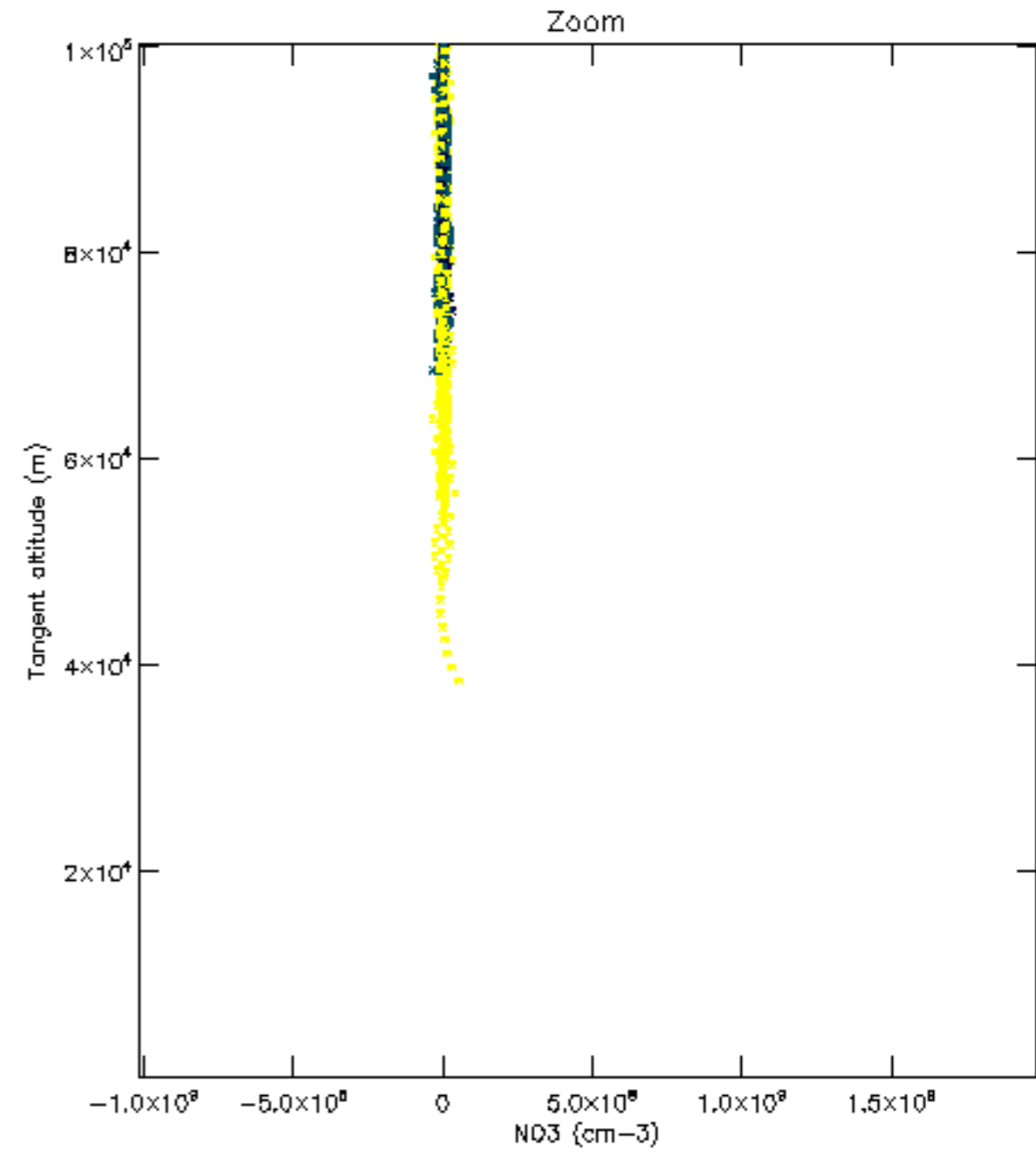
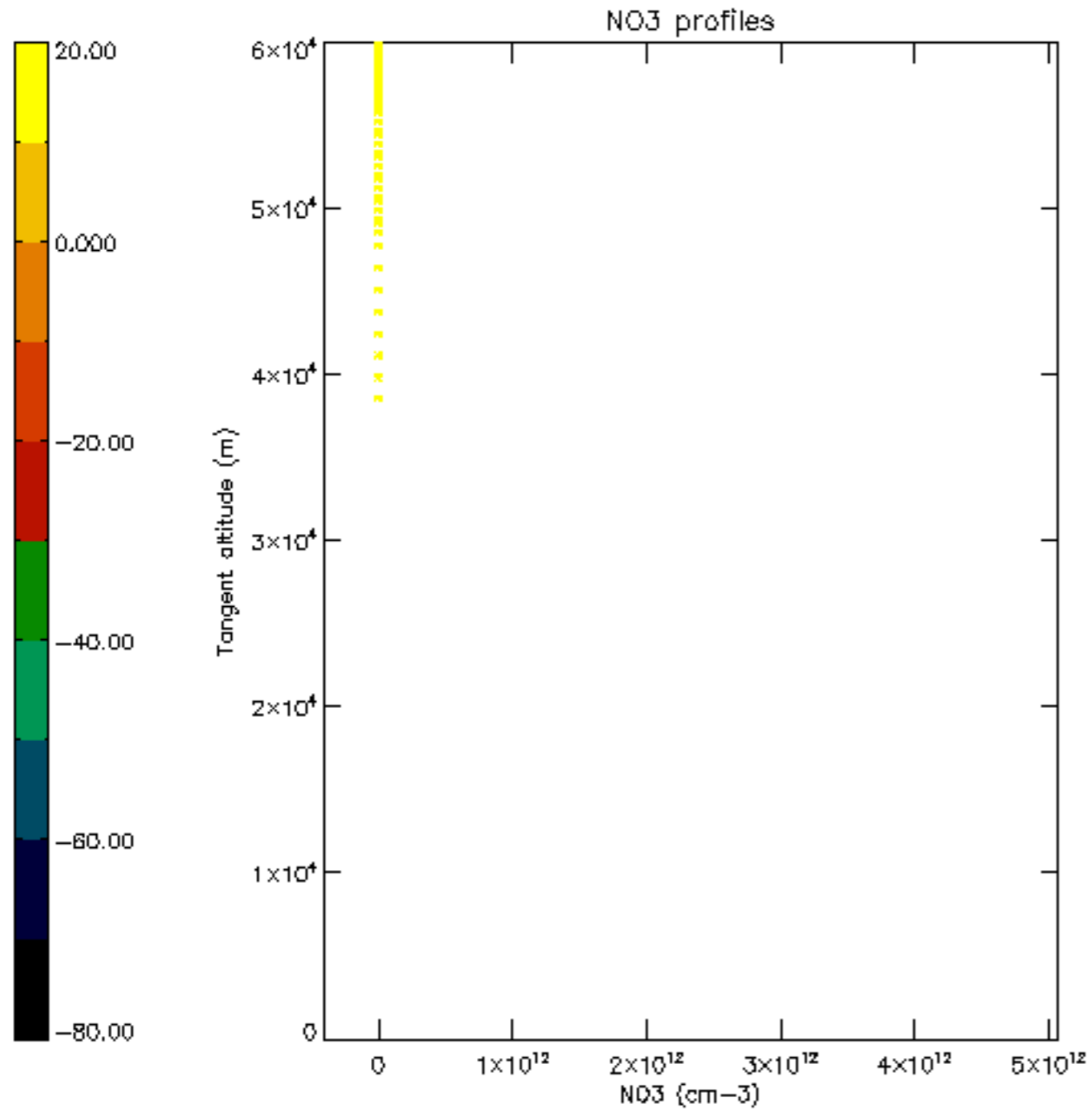




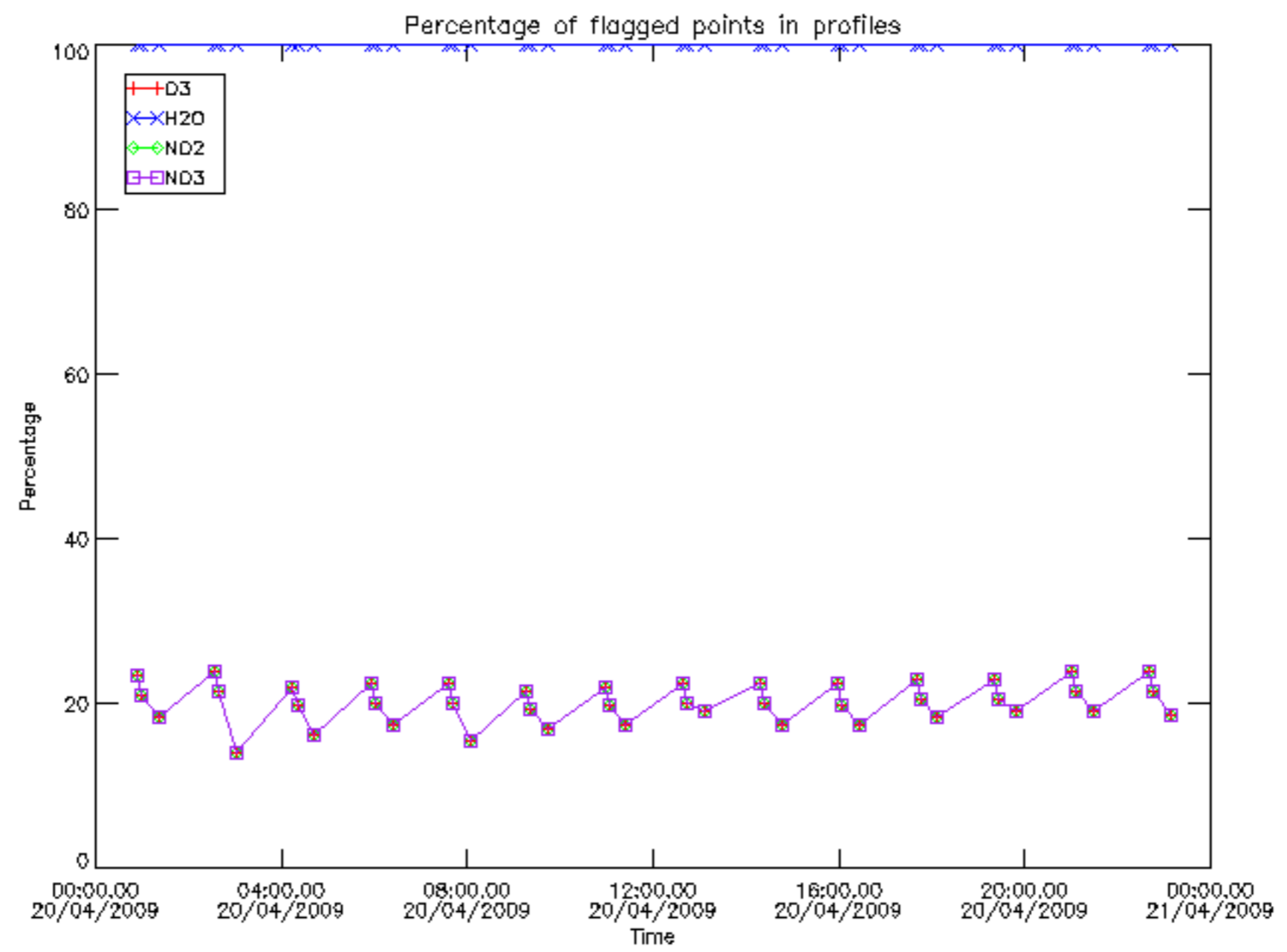




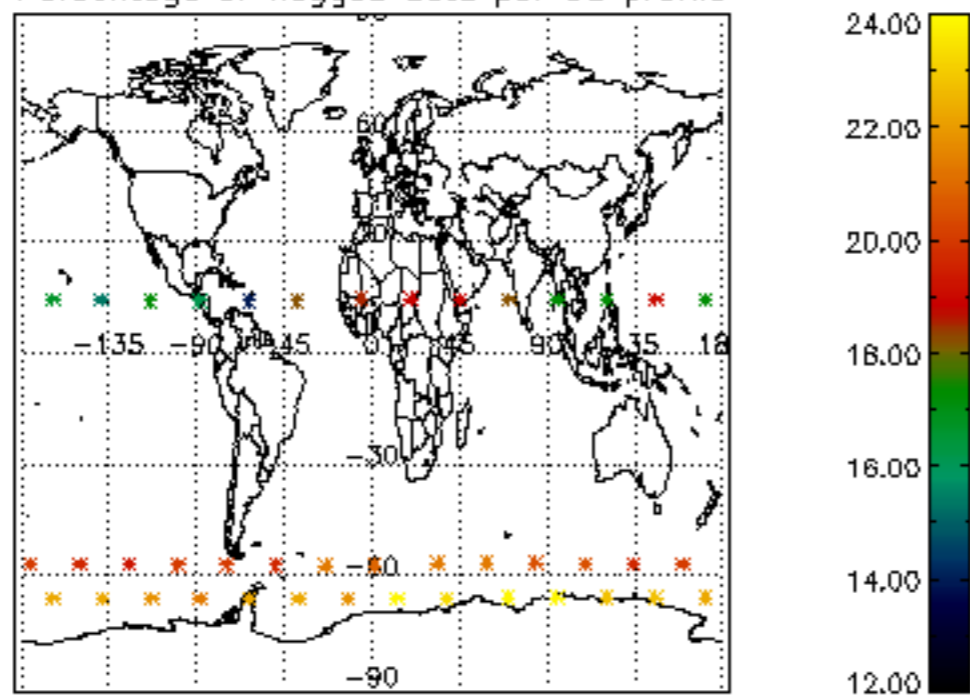




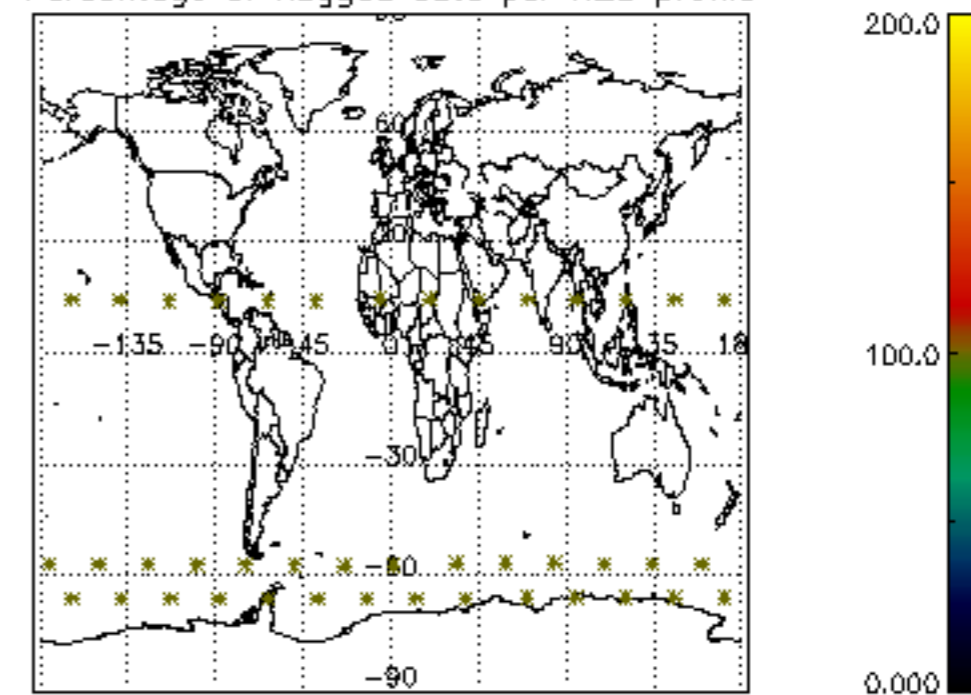




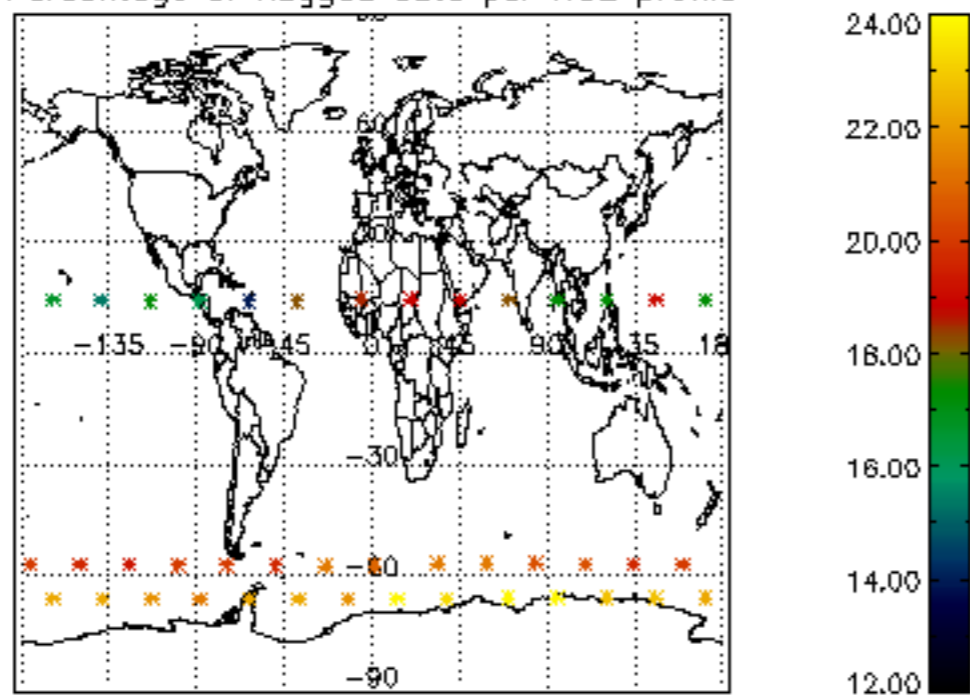
Percentage of flagged data per D3 profile



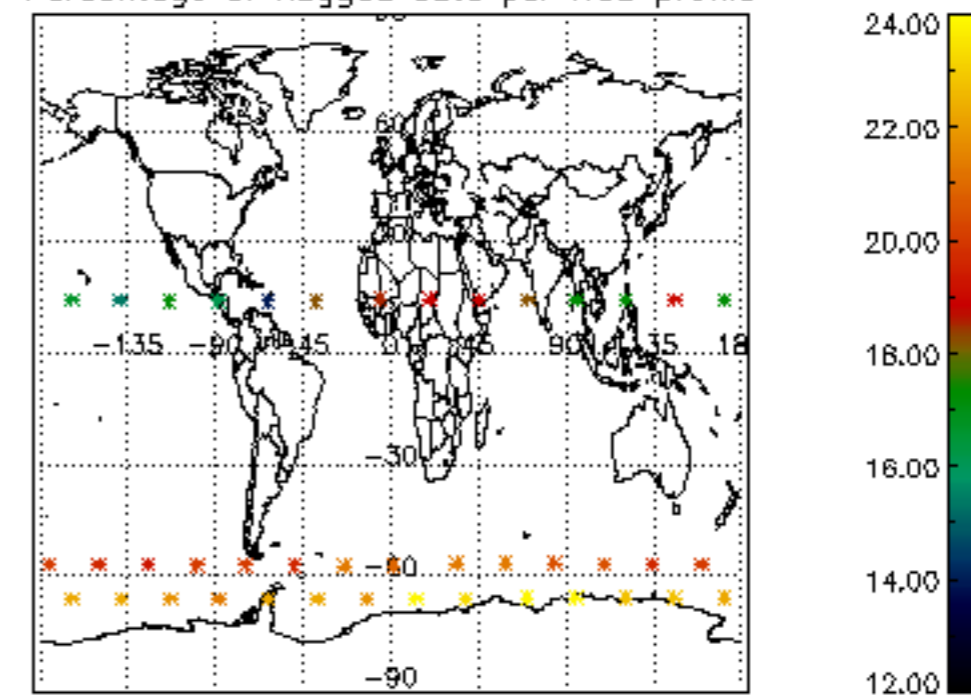
Percentage of flagged data per H2O profile

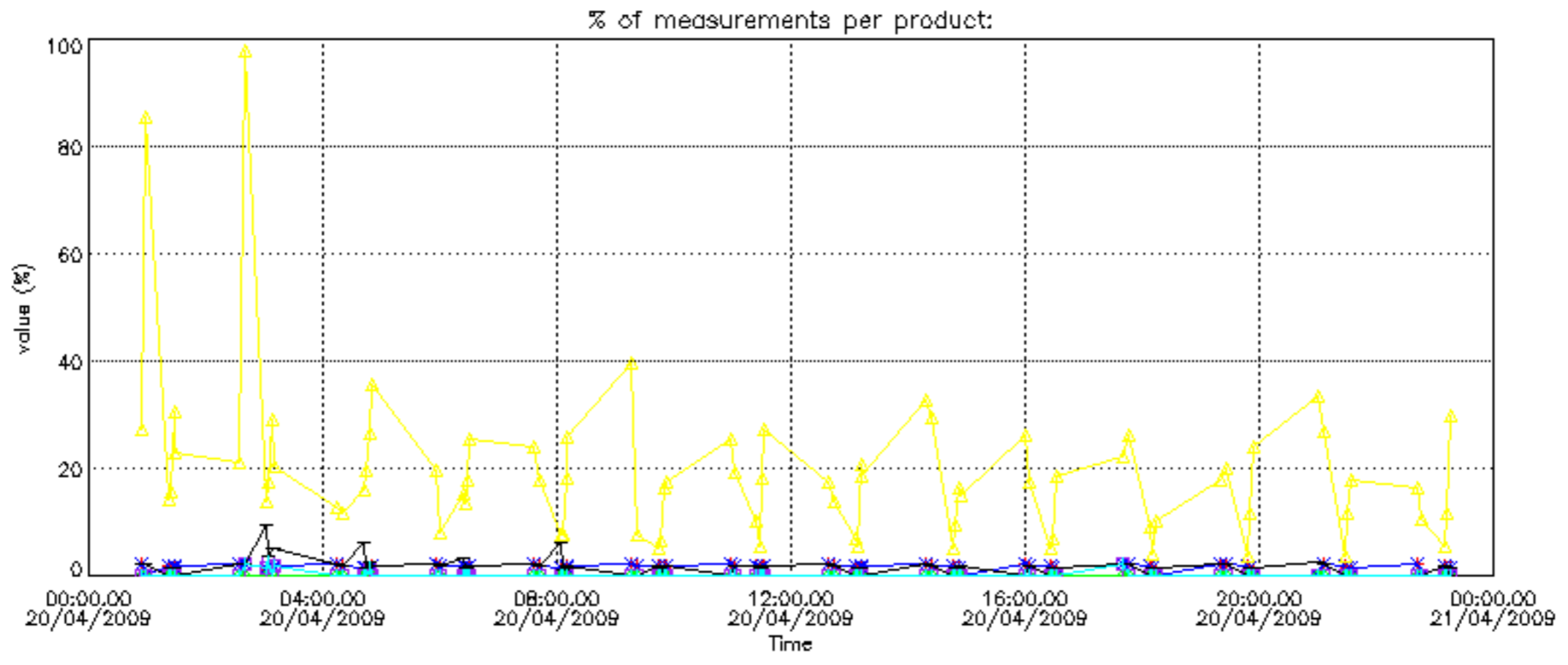


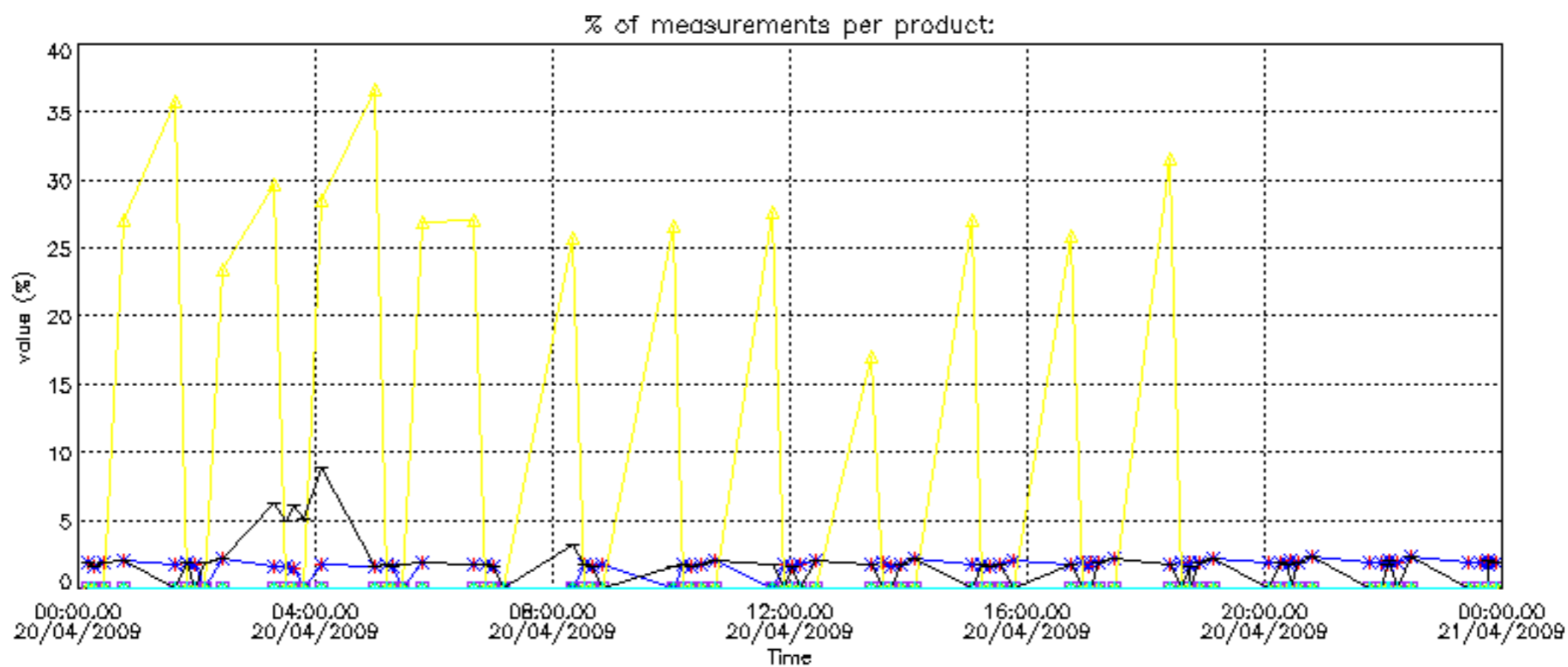
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

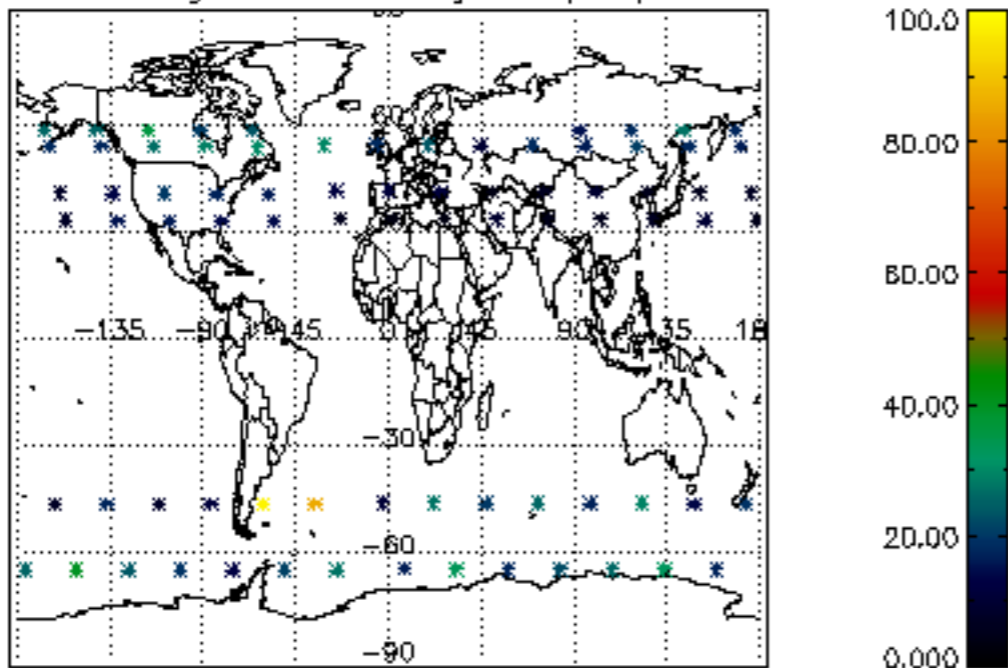




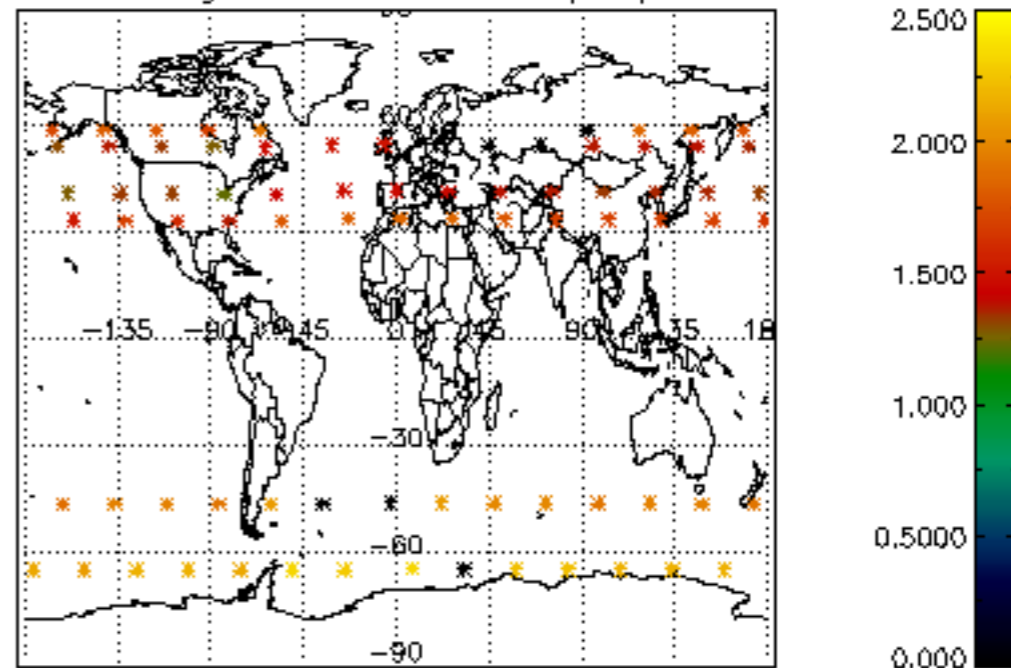




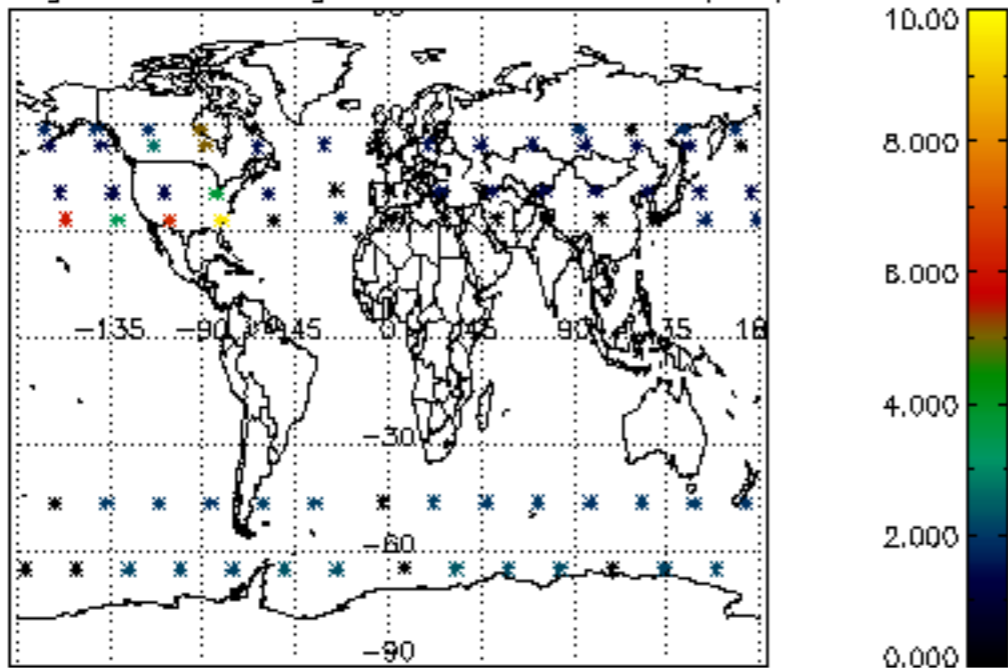
Percentage of cosmic ray hits per profile



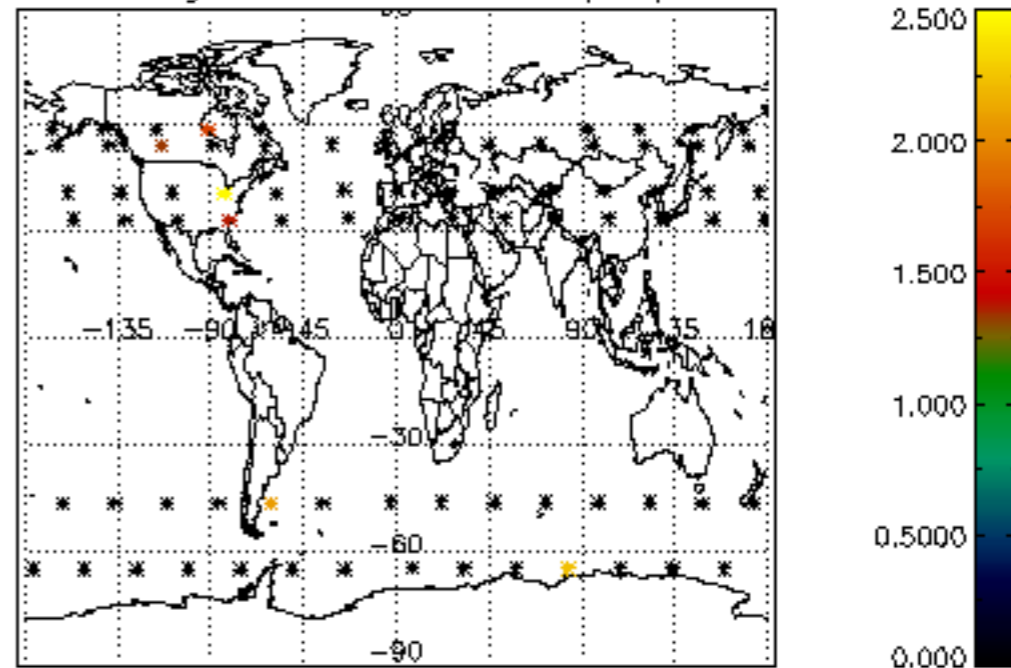
Percentage of datation errors per profile



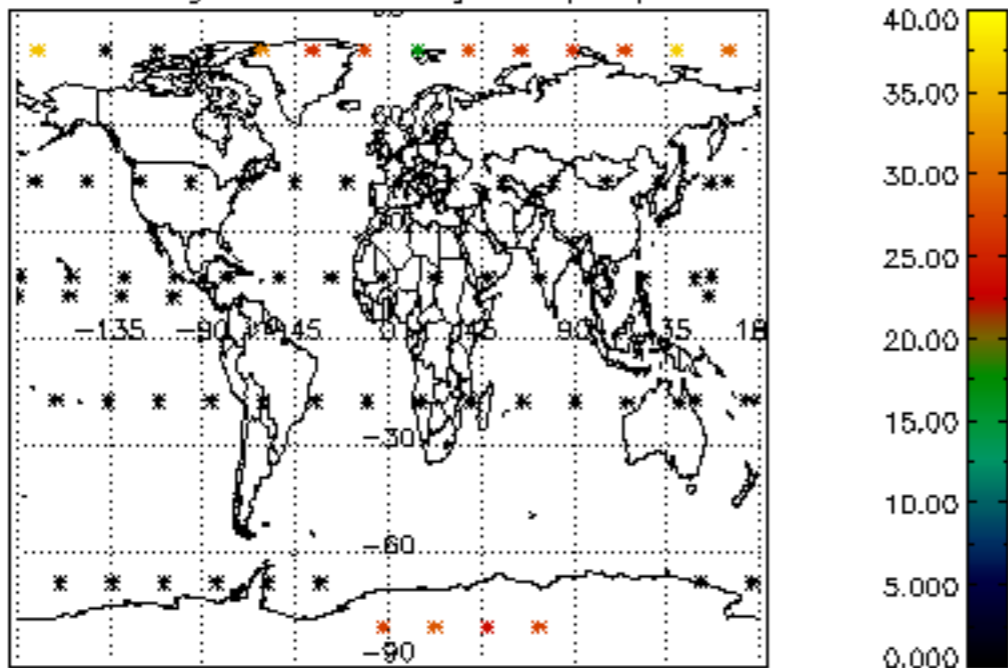
Percentage of star falling outside central band per profile



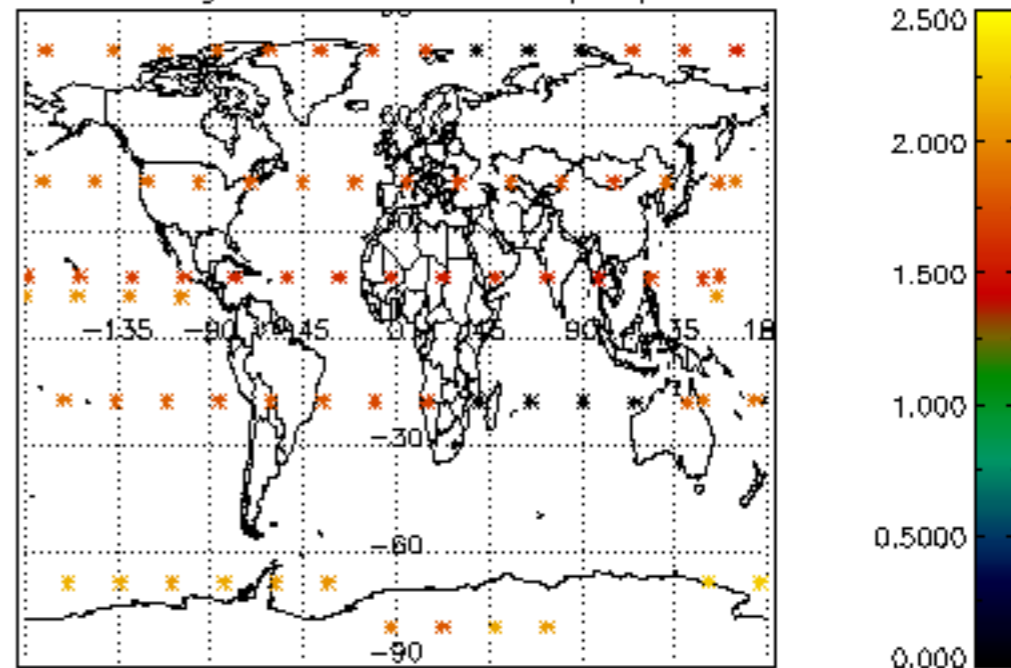
Percentage of saturation errors per profile



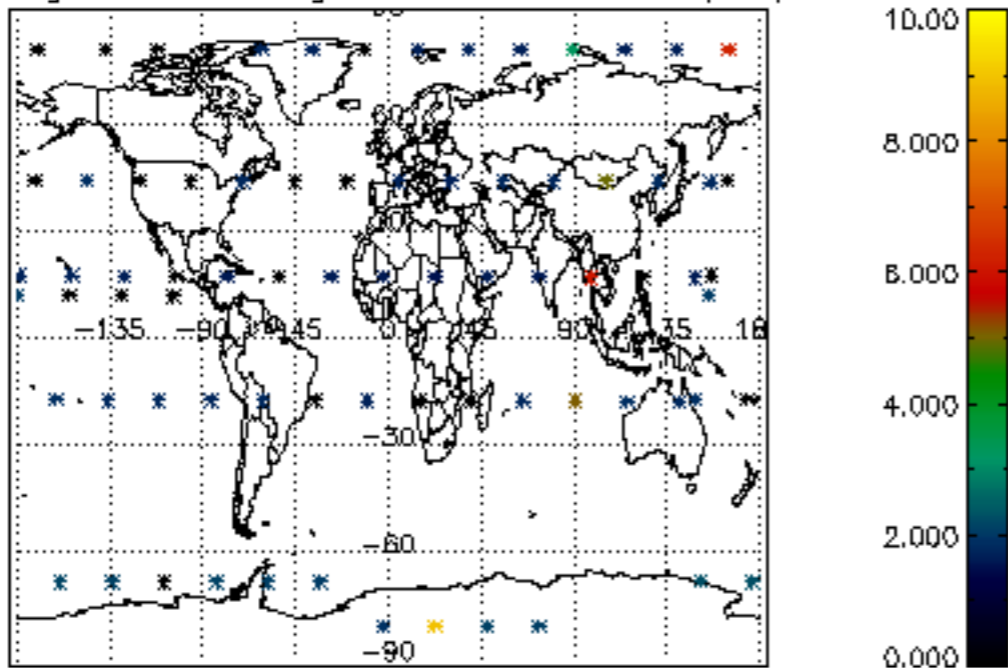
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

