

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	22APR2013 13:55:34
Data source version	GOMOS/6.01
Start time of products	18-02-2007 (18FEB2007 00:00:00)
Stop time of products	19-02-2007 (19FEB2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	99
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

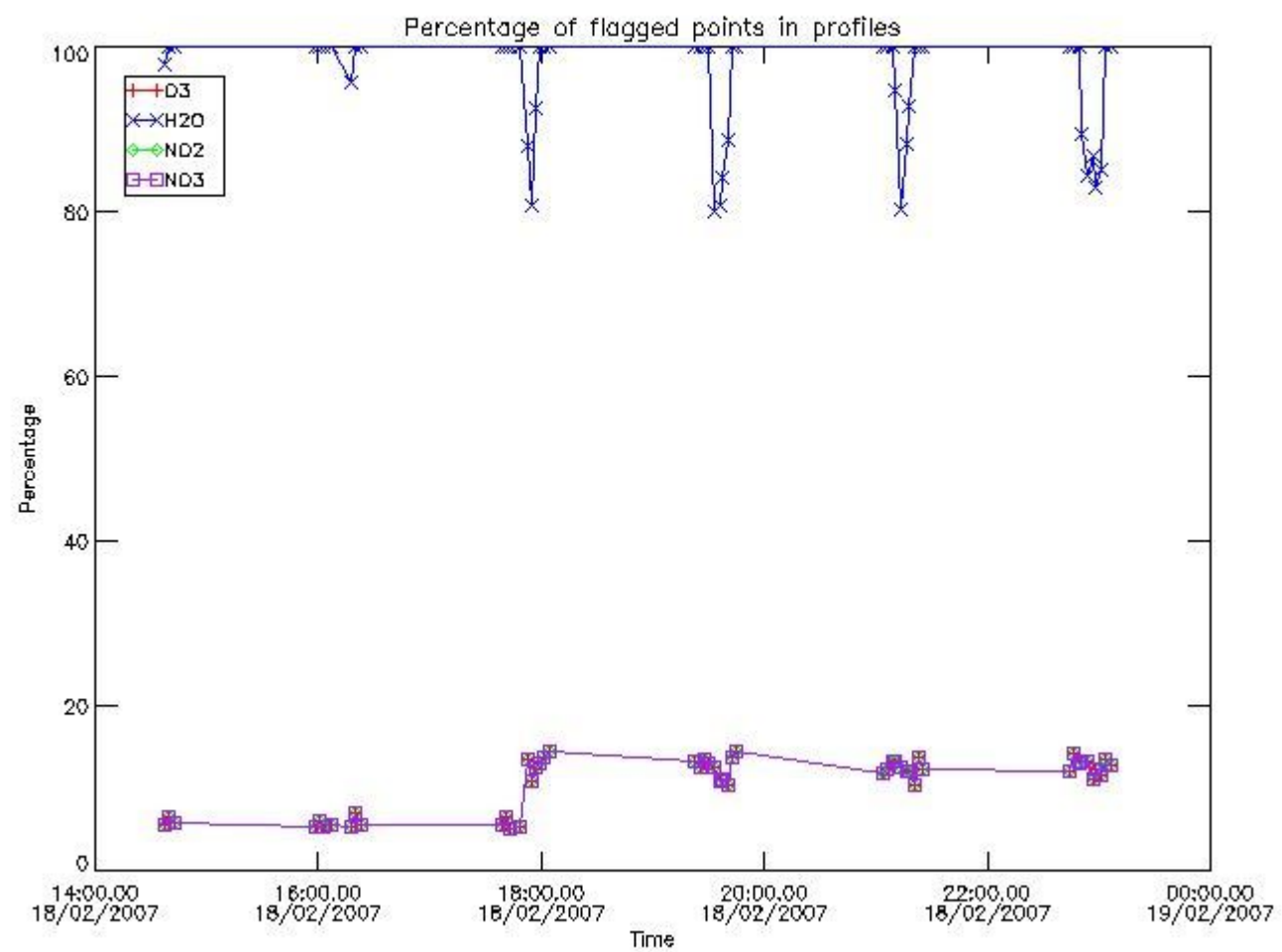
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070218_143724_000000912055_00383_25988_0960.N1	18-FEB-2007 14:37:24	Dark	91.000	12	Alp1Cru	0.77500	30000.	182	25988	No
2	GOM_NL__2PRFIN20070218_143940_000000872055_00383_25988_0961.N1	18-FEB-2007 14:39:40	Dark	87.000	124	The Car	2.7640	30000.	174	25988	No
3	GOM_NL__2PRFIN20070218_144219_000000902055_00383_25988_0962.N1	18-FEB-2007 14:42:19	Dark	89.500	71	Iot Car	2.2460	7700.0	179	25988	No
4	GOM_NL__2PRFIN20070218_144639_000000942055_00383_25988_0963.N1	18-FEB-2007 14:46:39	Straylight	94.000	65	Lam Vel	2.2040	4400.0	188	25988	No
5	GOM_NL__2PRFIN20070218_150721_000000872055_00383_25988_0964.N1	18-FEB-2007 15:07:21	Bright	86.500	17	78Bet Gem	1.1610	4500.0	173	25988	No
6	GOM_NL__2PRFIN20070218_152438_000000882055_00383_25988_0965.N1	18-FEB-2007 15:24:38	Bright	88.000	49	1Alp UMi	1.9900	6300.0	176	25988	No
7	GOM_NL__2PRFIN20070218_153145_000000522055_00383_25988_0966.N1	18-FEB-2007 15:31:45	Straylight	52.000	89	5Alp Cep	2.4510	8000.0	104	25988	No
8	GOM_NL__2PRFIN20070218_153725_000000842055_00383_25988_0967.N1	18-FEB-2007 15:37:25	Bright	83.500	144	18Del Cyg	2.8600	11000.	167	25988	No
9	GOM_NL__2PRFIN20070218_153936_000000902055_00383_25988_0968.N1	18-FEB-2007 15:39:36	Bright	89.500	5	3Alp Lyr	0.033000	11000.	179	25988	No
10	GOM_NL__2PRFIN20070218_154640_000000882055_00383_25988_0969.N1	18-FEB-2007 15:46:40	Bright	87.500	168	17Zet Aql	2.9860	11000.	175	25988	No
11	GOM_NL__2PRFIN20070218_155616_000000912055_00383_25988_0970.N1	18-FEB-2007 15:56:16	Twilight	91.000	155	41Pi Sgr	2.9000	6600.0	182	25988	No
12	GOM_NL__2PRFIN20070218_155820_000000962055_00383_25988_0971.N1	18-FEB-2007 15:58:20	Dark	96.000	137	22Lam Sgr	2.8240	4400.0	192	25988	No
13	GOM_NL__2PRFIN20070218_160047_000000922055_00383_25988_0972.N1	18-FEB-2007 16:00:47	Dark	92.000	38	20Eps Sgr	1.8360	11000.	184	25988	No
14	GOM_NL__2PRFIN20070218_160301_000000972055_00383_25988_0973.N1	18-FEB-2007 16:03:01	Dark	97.000	25	35Lam Sco	1.6200	28000.	194	25988	No
15	GOM_NL__2PRFIN20070218_160727_000000942055_00383_25988_0974.N1	18-FEB-2007 16:07:27	Dark	93.500	141	Bet Ara	2.8400	4600.0	187	25988	No
16	GOM_NL__2PRFIN20070218_161800_000000952055_00384_25989_0975.N1	18-FEB-2007 16:18:00	Dark	95.000	12	Alp1Cru	0.77500	30000.	190	25989	No
17	GOM_NL__2PRFIN20070218_162017_000000872055_00384_25989_0976.N1	18-FEB-2007 16:20:17	Dark	87.000	124	The Car	2.7640	30000.	174	25989	No
18	GOM_NL__2PRFIN20070218_162255_000000932055_00384_25989_0977.N1	18-FEB-2007 16:22:55	Dark	92.500	71	Iot Car	2.2460	7700.0	185	25989	No
19	GOM_NL__2PRFIN20070218_162716_000000942055_00384_25989_0978.N1	18-FEB-2007 16:27:16	Straylight	94.000	65	Lam Vel	2.2040	4400.0	188	25989	No
20	GOM_NL__2PRFIN20070218_164758_000000872055_00384_25989_0979.N1	18-FEB-2007 16:47:58	Bright	86.500	17	78Bet Gem	1.1610	4500.0	173	25989	No
21	GOM_NL__2PRFIN20070218_170514_000000882055_00384_25989_0980.N1	18-FEB-2007 17:05:14	Bright	87.500	49	1Alp UMi	1.9900	6300.0	175	25989	No
22	GOM_NL__2PRFIN20070218_171221_000000522055_00384_25989_0981.N1	18-FEB-2007 17:12:21	Straylight	52.000	89	5Alp Cep	2.4510	8000.0	104	25989	No
23	GOM_NL__2PRFIN20070218_171802_000000862055_00384_25989_0982.N1	18-FEB-2007 17:18:02	Bright	86.000	144	18Del Cyg	2.8600	11000.	172	25989	No
24	GOM_NL__2PRFIN20070218_172012_000000942055_00384_25989_0983.N1	18-FEB-2007 17:20:12	Bright	94.000	5	3Alp Lyr	0.033000	11000.	188	25989	No
25	GOM_NL__2PRFIN20070218_172717_000000872055_00384_25989_0984.N1	18-FEB-2007 17:27:17	Bright	87.000	168	17Zet Aql	2.9860	11000.	174	25989	No
26	GOM_NL__2PRFIN20070218_173653_000000892055_00384_25989_0985.N1	18-FEB-2007 17:36:53	Twilight	89.000	155	41Pi Sgr	2.9000	6600.0	178	25989	No
27	GOM_NL__2PRFIN20070218_173857_000000942055_00384_25989_0986.N1	18-FEB-2007 17:38:57	Dark	93.500	137	22Lam Sgr	2.8240	4400.0	187	25989	No
28	GOM_NL__2PRFIN20070218_174123_000000932055_00384_25989_0987.N1	18-FEB-2007 17:41:23	Dark	92.500	38	20Eps Sgr	1.8360	11000.	185	25989	No
29	GOM_NL__2PRFIN20070218_174338_000001032055_00384_25989_0988.N1	18-FEB-2007 17:43:38	Dark	103.00	25	35Lam Sco	1.6200	28000.	206	25989	No
30	GOM_NL__2PRFIN20070218_174803_000000952055_00384_25989_0989.N1	18-FEB-2007 17:48:03	Dark	95.000	141	Bet Ara	2.8400	4600.0	190	25989	No
31	GOM_NL__2PRFIN20070218_175225_000000382055_00385_25990_0992.N1	18-FEB-2007 17:52:25	Dark	37.500	43	Alp TrA	1.9100	4250.0	75	25990	No
32	GOM_NL__2PRFIN20070218_175511_000000472055_00385_25990_0993.N1	18-FEB-2007 17:55:11	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	25990	No
33	GOM_NL__2PRFIN20070218_175630_000000412055_00385_25990_0994.N1	18-FEB-2007 17:56:30	Dark	41.000	10	Bet Cen	0.61000	28000.	82	25990	No
34	GOM_NL__2PRFIN20070218_175929_000000402055_00385_25990_0995.N1	18-FEB-2007 17:59:29	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	25990	No
35	GOM_NL__2PRFIN20070218_180143_000000372055_00385_25990_0996.N1	18-FEB-2007 18:01:43	Dark	37.000	124	The Car	2.7640	30000.	74	25990	No
36	GOM_NL__2PRFIN20070218_180422_000000352055_00385_25990_0997.N1	18-FEB-2007 18:04:22	Dark	35.000	71	Iot Car	2.2460	7700.0	70	25990	No
37	GOM_NL__2PRFIN20070218_180843_000000432055_00385_25990_0998.N1	18-FEB-2007 18:08:43	Straylight	42.500	65	Lam Vel	2.2040	4400.0	85	25990	No
38	GOM_NL__2PRFIN20070218_182923_000000382055_00385_25990_0999.N1	18-FEB-2007 18:29:23	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	25990	No
39	GOM_NL__2PRFIN20070218_183032_000000372055_00385_25990_1000.N1	18-FEB-2007 18:30:32	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	25990	No
40	GOM_NL__2PRFIN20070218_184642_000000362055_00385_25990_1001.N1	18-FEB-2007 18:46:42	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	25990	No
41	GOM_NL__2PRFIN20070218_185929_000000342055_00385_25990_1002.N1	18-FEB-2007 18:59:29	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	25990	No
42	GOM_NL__2PRFIN20070218_190143_000000412055_00385_25990_1003.N1	18-FEB-2007 19:01:43	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	25990	No

43	GOM_NL__2PRFIN20070218_190845_000000362055_00385_25990_1004.N1	18-FEB-2007 19:08:45	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	25990	No
44	GOM_NL__2PRFIN20070218_191820_000000402055_00385_25990_1005.N1	18-FEB-2007 19:18:20	Twilight	39.500	155	41Pi Sgr	2.9000	6600.0	79	25990	No
45	GOM_NL__2PRFIN20070218_192001_000000392055_00385_25990_1006.N1	18-FEB-2007 19:20:01	Twilight	39.000	57	34Sig Sgr	2.0660	26000.	78	25990	No
46	GOM_NL__2PRFIN20070218_192251_000000422055_00385_25990_1007.N1	18-FEB-2007 19:22:51	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	25990	No
47	GOM_NL__2PRFIN20070218_192509_000000412055_00385_25990_1008.N1	18-FEB-2007 19:25:09	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	25990	No
48	GOM_NL__2PRFIN20070218_192805_000000382055_00385_25990_1009.N1	18-FEB-2007 19:28:05	Dark	37.500	147	Alp Ara	2.8770	26000.	75	25990	No
49	GOM_NL__2PRFIN20070218_192930_000000392055_00385_25990_1010.N1	18-FEB-2007 19:29:30	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	25990	No
50	GOM_NL__2PRFIN20070218_193301_000000412055_00386_25991_1006.N1	18-FEB-2007 19:33:01	Dark	40.500	43	Alp TrA	1.9100	4250.0	81	25991	No
51	GOM_NL__2PRFIN20070218_193547_000000472055_00386_25991_1007.N1	18-FEB-2007 19:35:47	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	25991	No
52	GOM_NL__2PRFIN20070218_193707_000000512055_00386_25991_1008.N1	18-FEB-2007 19:37:07	Dark	50.500	10	Bet Cen	0.61000	28000.	101	25991	No
53	GOM_NL__2PRFIN20070218_194005_000000492055_00386_25991_1009.N1	18-FEB-2007 19:40:05	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	25991	No
54	GOM_NL__2PRFIN20070218_194219_000000372055_00386_25991_1010.N1	18-FEB-2007 19:42:19	Dark	37.000	124	The Car	2.7640	30000.	74	25991	No
55	GOM_NL__2PRFIN20070218_194458_000000362055_00386_25991_1011.N1	18-FEB-2007 19:44:58	Dark	35.500	71	Iot Car	2.2460	7700.0	71	25991	No
56	GOM_NL__2PRFIN20070218_194919_000000422055_00386_25991_1012.N1	18-FEB-2007 19:49:19	Straylight	41.500	65	Lam Vel	2.2040	4400.0	83	25991	No
57	GOM_NL__2PRFIN20070218_200959_000000382055_00386_25991_1013.N1	18-FEB-2007 20:09:59	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	25991	No
58	GOM_NL__2PRFIN20070218_201108_000000372055_00386_25991_1014.N1	18-FEB-2007 20:11:08	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	25991	No
59	GOM_NL__2PRFIN20070218_202718_000000362055_00386_25991_1015.N1	18-FEB-2007 20:27:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	25991	No
60	GOM_NL__2PRFIN20070218_204004_000000342055_00386_25991_1016.N1	18-FEB-2007 20:40:04	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	25991	No
61	GOM_NL__2PRFIN20070218_204219_000000402055_00386_25991_1017.N1	18-FEB-2007 20:42:19	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	25991	No
62	GOM_NL__2PRFIN20070218_204921_000000342055_00386_25991_1018.N1	18-FEB-2007 20:49:21	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	25991	No
63	GOM_NL__2PRFIN20070218_205856_000000412055_00386_25991_1019.N1	18-FEB-2007 20:58:56	Twilight	41.000	155	41Pi Sgr	2.9000	6600.0	82	25991	No
64	GOM_NL__2PRFIN20070218_210037_000000412055_00386_25991_1020.N1	18-FEB-2007 21:00:37	Twilight	41.000	57	34Sig Sgr	2.0660	26000.	82	25991	No
65	GOM_NL__2PRFIN20070218_210327_000000432055_00386_25991_1021.N1	18-FEB-2007 21:03:27	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	25991	No
66	GOM_NL__2PRFIN20070218_210545_000000422055_00386_25991_1022.N1	18-FEB-2007 21:05:45	Dark	41.500	25	35Lam Sco	1.6200	28000.	83	25991	No
67	GOM_NL__2PRFIN20070218_210842_000000392055_00386_25991_1023.N1	18-FEB-2007 21:08:42	Dark	38.500	147	Alp Ara	2.8770	26000.	77	25991	No
68	GOM_NL__2PRFIN20070218_211006_000000392055_00386_25991_1024.N1	18-FEB-2007 21:10:06	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	25991	No
69	GOM_NL__2PRFIN20070218_211337_000000412055_00387_25992_1012.N1	18-FEB-2007 21:13:37	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	25992	No
70	GOM_NL__2PRFIN20070218_211624_000000432055_00387_25992_1013.N1	18-FEB-2007 21:16:24	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	25992	No
71	GOM_NL__2PRFIN20070218_211743_000000422055_00387_25992_1014.N1	18-FEB-2007 21:17:43	Dark	42.000	10	Bet Cen	0.61000	28000.	84	25992	No
72	GOM_NL__2PRFIN20070218_212042_000000492055_00387_25992_1015.N1	18-FEB-2007 21:20:42	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	25992	No
73	GOM_NL__2PRFIN20070218_212256_000000372055_00387_25992_1016.N1	18-FEB-2007 21:22:56	Dark	37.000	124	The Car	2.7640	30000.	74	25992	No
74	GOM_NL__2PRFIN20070218_212534_000000422055_00387_25992_1017.N1	18-FEB-2007 21:25:34	Dark	41.500	71	Iot Car	2.2460	7700.0	83	25992	No
75	GOM_NL__2PRFIN20070218_212955_000000432055_00387_25992_1018.N1	18-FEB-2007 21:29:55	Straylight	42.500	65	Lam Vel	2.2040	4400.0	85	25992	No
76	GOM_NL__2PRFIN20070218_215035_000000402055_00387_25992_1019.N1	18-FEB-2007 21:50:35	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	25992	No
77	GOM_NL__2PRFIN20070218_215145_000000352055_00387_25992_1020.N1	18-FEB-2007 21:51:45	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	25992	No
78	GOM_NL__2PRFIN20070218_220753_000000362055_00387_25992_1021.N1	18-FEB-2007 22:07:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	25992	No
79	GOM_NL__2PRFIN20070218_221500_000000302055_00387_25992_1022.N1	18-FEB-2007 22:15:00	Bright	30.000	89	5Alp Cep	2.4510	8000.0	60	25992	No
80	GOM_NL__2PRFIN20070218_222041_000000352055_00387_25992_1023.N1	18-FEB-2007 22:20:41	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	25992	No
81	GOM_NL__2PRFIN20070218_222255_000000372055_00387_25992_1024.N1	18-FEB-2007 22:22:55	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	25992	No
82	GOM_NL__2PRFIN20070218_222957_000000352055_00387_25992_1025.N1	18-FEB-2007 22:29:57	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	25992	No
83	GOM_NL__2PRFIN20070218_223932_000000412055_00387_25992_1026.N1	18-FEB-2007 22:39:32	Twilight	41.000	155	41Pi Sgr	2.9000	6600.0	82	25992	No
84	GOM_NL__2PRFIN20070218_224113_000000422055_00387_25992_1027.N1	18-FEB-2007 22:41:13	Twilight	42.000	57	34Sig Sgr	2.0660	26000.	84	25992	No
85	GOM_NL__2PRFIN20070218_224404_000000422055_00387_25992_1028.N1	18-FEB-2007 22:44:04	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	25992	No
86	GOM_NL__2PRFIN20070218_224622_000000432055_00387_25992_1029.N1	18-FEB-2007 22:46:22	Dark	43.000	25	35Lam Sco	1.6200	28000.	86	25992	No
87	GOM_NL__2PRFIN20070218_224918_000000392055_00387_25992_1030.N1	18-FEB-2007 22:49:18	Dark	39.000	147	Alp Ara	2.8770	26000.	78	25992	No
88	GOM_NL__2PRFIN20070218_225042_000000392055_00387_25992_1031.N1	18-FEB-2007 22:50:42	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	25992	No
89	GOM_NL__2PRFIN20070218_225413_000000392055_00388_25993_1029.N1	18-FEB-2007 22:54:13	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	25993	No
90	GOM_NL__2PRFIN20070218_225700_000000462055_00388_25993_1030.N1	18-FEB-2007 22:57:00	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	25993	No
91	GOM_NL__2PRFIN20070218_225820_000000422055_00388_25993_1031.N1	18-FEB-2007 22:58:20	Dark	41.500	10	Bet Cen	0.61000	28000.	83	25993	No
92	GOM_NL__2PRFIN20070218_230118_000000442055_00388_25993_1032.N1	18-FEB-2007 23:01:18	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	25993	No
93	GOM_NL__2PRFIN20070218_230332_000000382055_00388_25993_1033.N1	18-FEB-2007 23:03:32	Dark	37.500	124	The Car	2.7640	30000.	75	25993	No
94	GOM_NL__2PRFIN20070218_230610_000000402055_00388_25993_1034.N1	18-FEB-2007 23:06:10	Dark	40.000	71	Iot Car	2.2460	7700.0	80	25993	No
95	GOM_NL__2PRFIN20070218_231031_000000452055_00388_25993_1035.N1	18-FEB-2007 23:10:31	Straylight	44.500	65	Lam Vel	2.2040	4400.0	89	25993	No
96	GOM_NL__2PRFIN20070218_233111_000000382055_00388_25993_1036.N1	18-FEB-2007 23:31:11	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	25993	No
97	GOM_NL__2PRFIN20070218_233221_000000362055_00388_25993_1037.N1	18-FEB-2007 23:32:21	Bright	36.000	24	66Alp Gem	1.5800	10200.	72	25993	No
98	GOM_NL__2PRFIN20070218_234829_000000342055_00388_25993_1038.N1	18-FEB-2007 23:48:29	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	25993	No
99	GOM_NL__2PRFIN20070218_235536_000000302055_00388_25993_1039.N1	18-FEB-2007 23:55:36	Bright	30.000	89	5Alp Cep	2.4510	8000.0	60	25993	No

3. Quality information per product

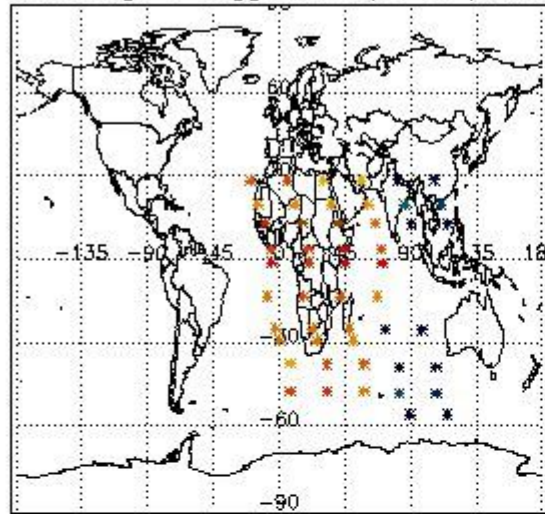
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

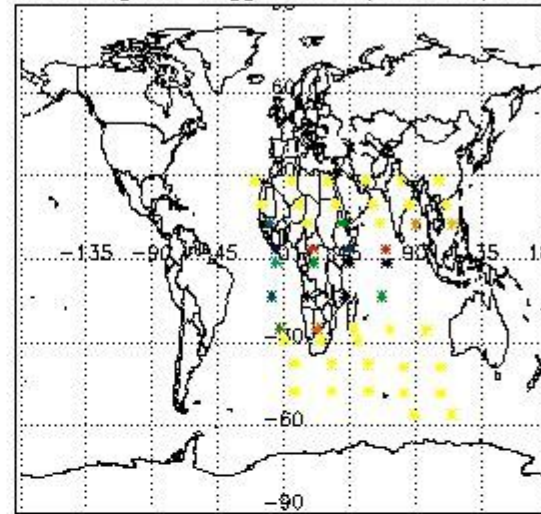


3.2 Plot quality information per product (world map)

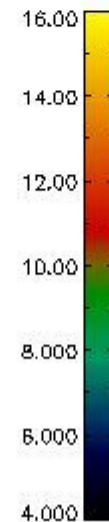
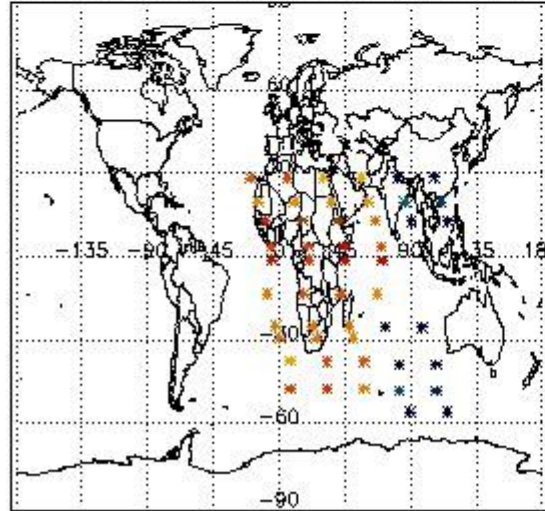
Percentage of flagged data per O3 profile



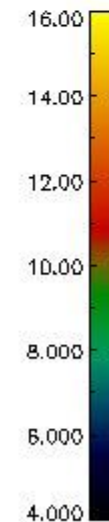
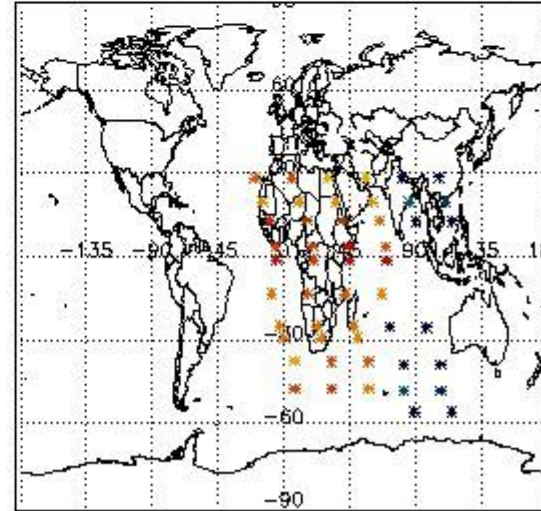
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

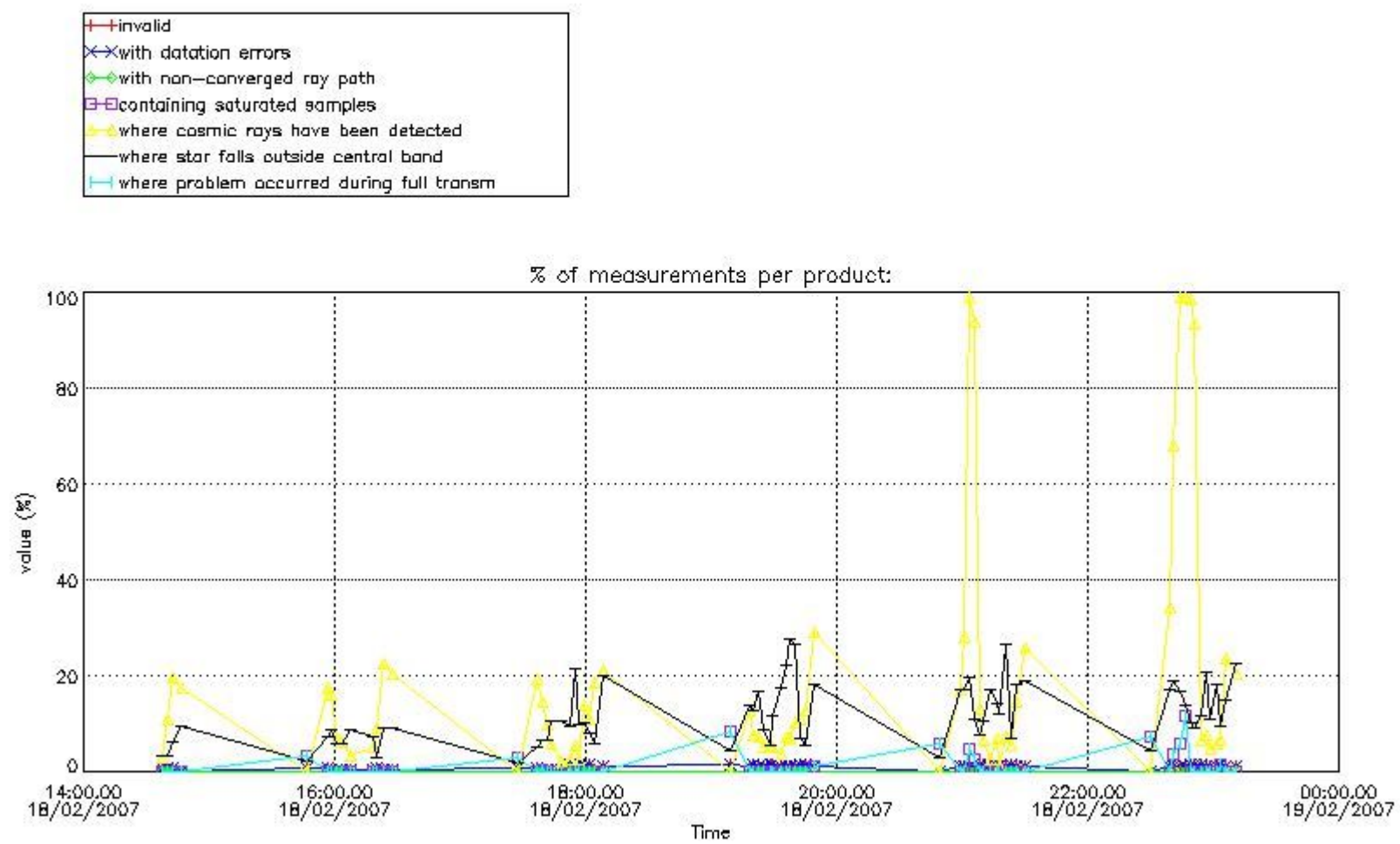


4. Level 1 quality information per product

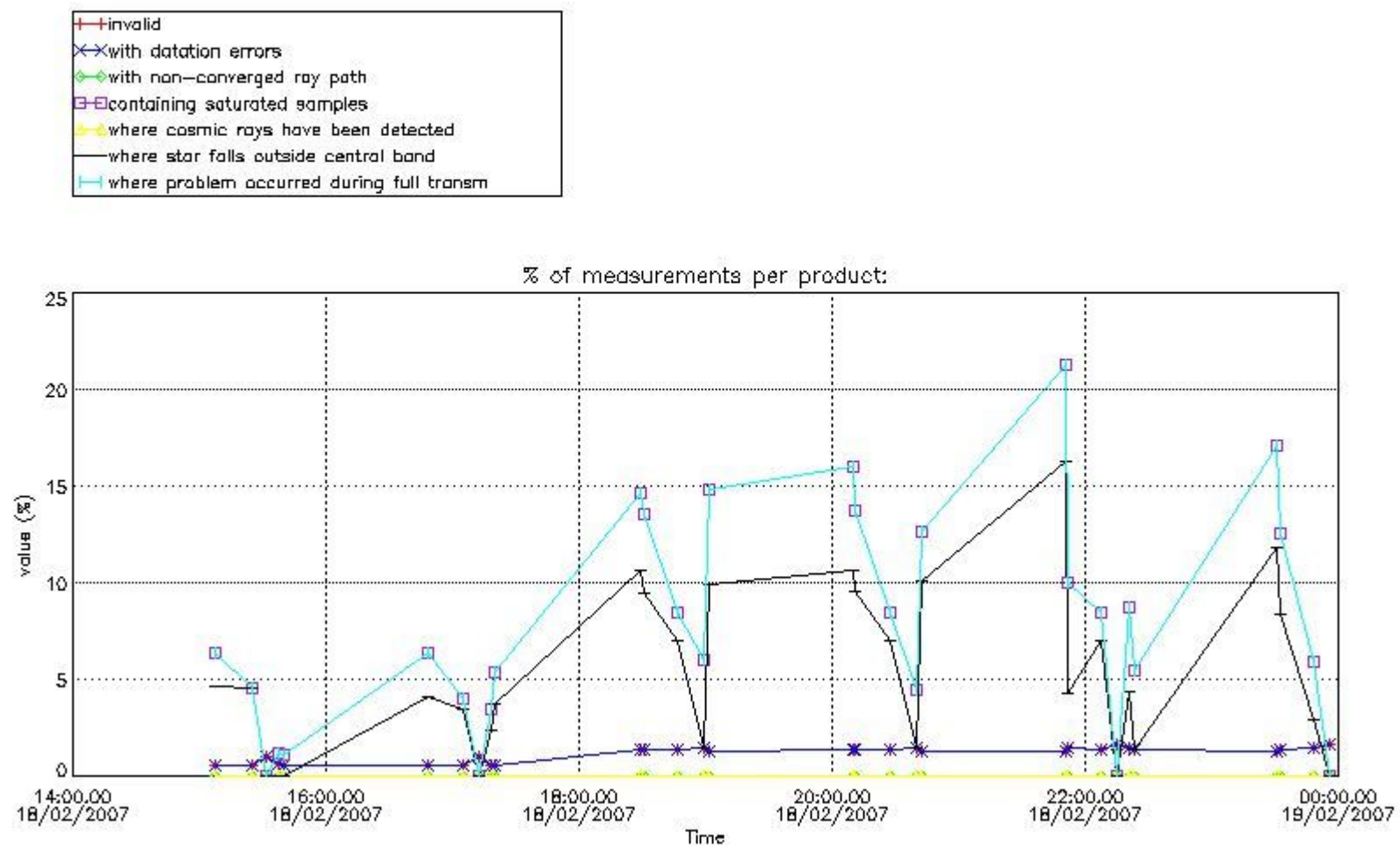
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



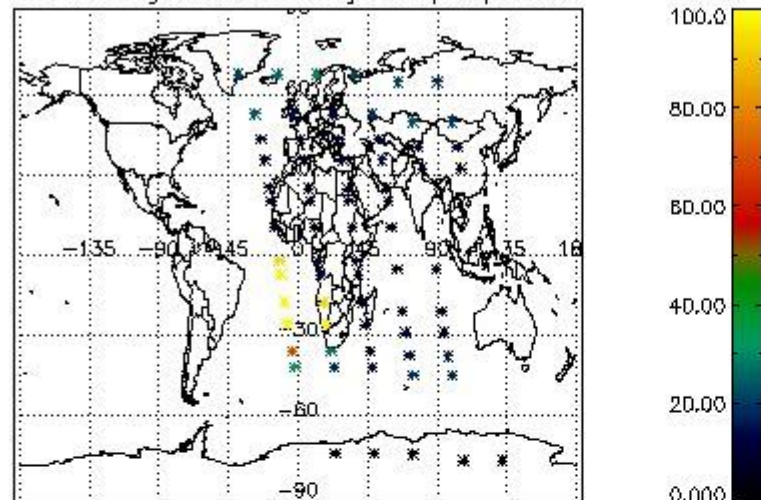
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



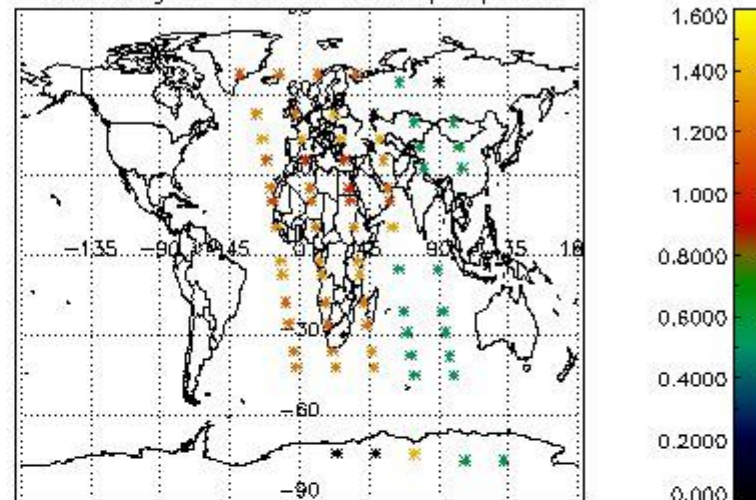
4.2 Plot quality information per product coming from level 1b processing (world map)

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

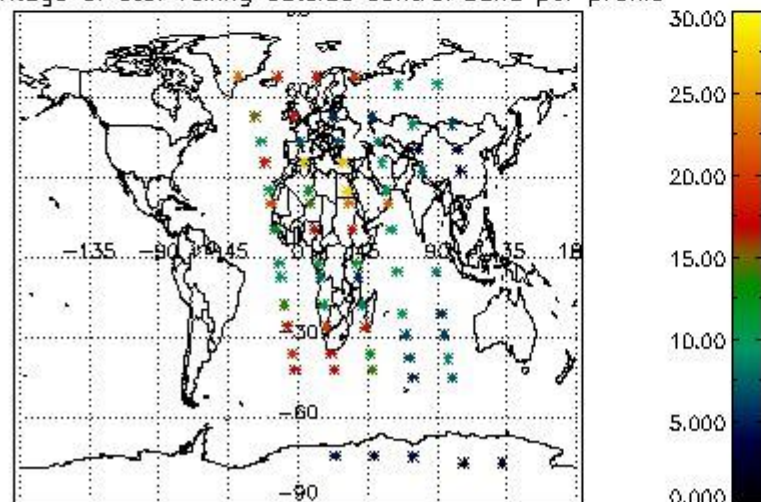
Percentage of cosmic ray hits per profile



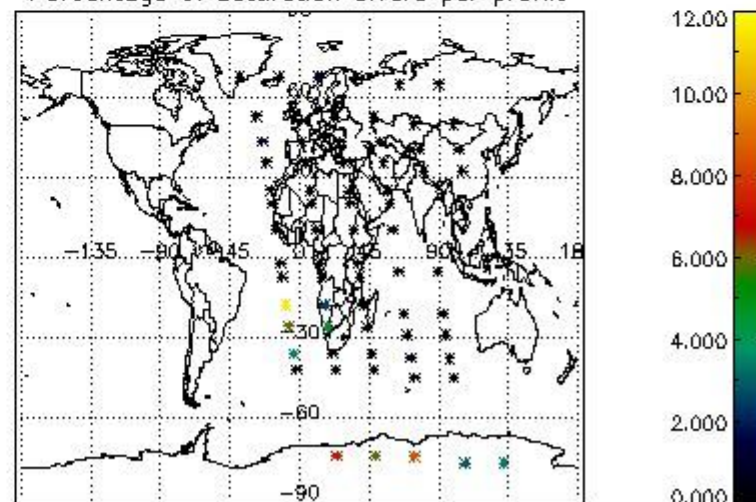
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

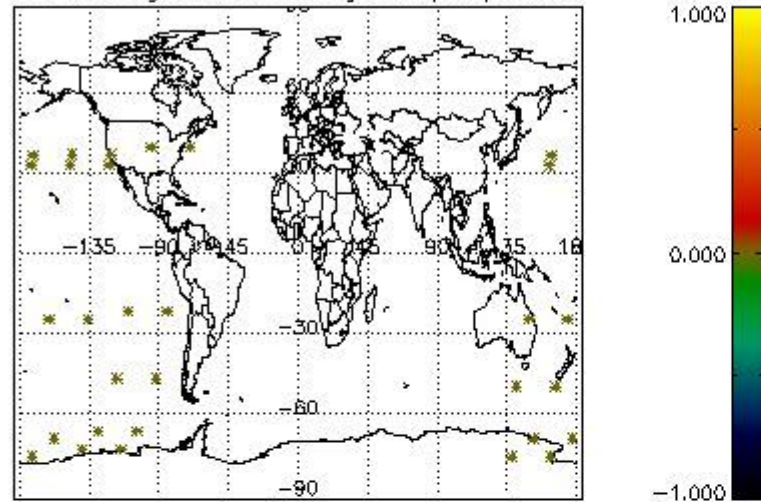


Percentage of saturation errors per profile

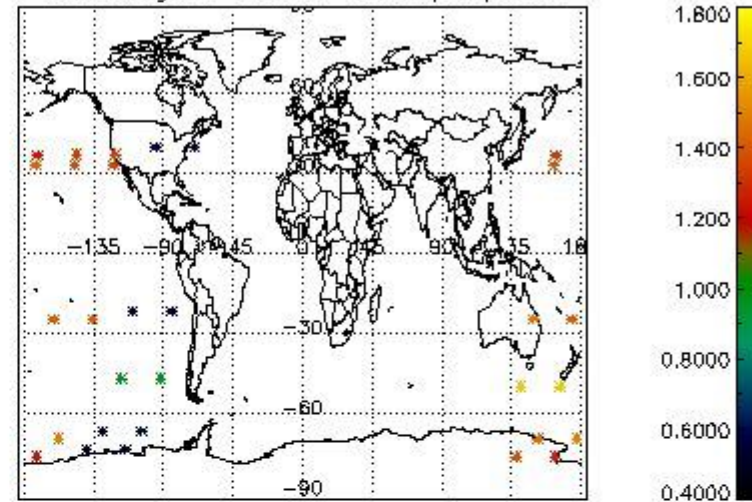


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

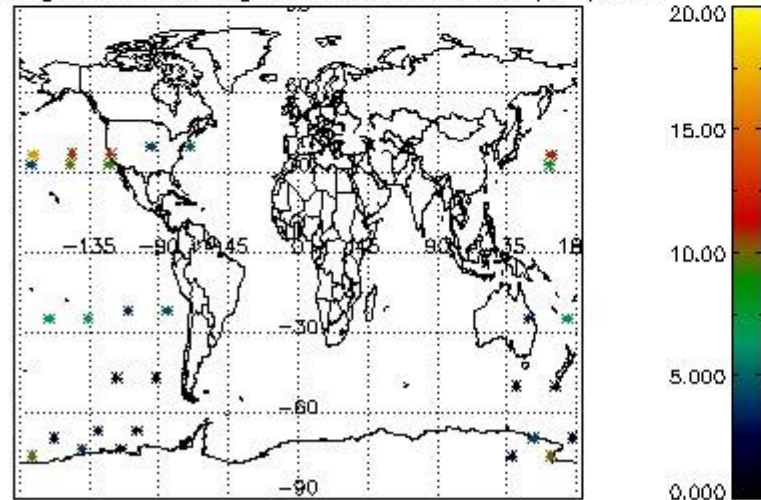
Percentage of cosmic ray hits per profile



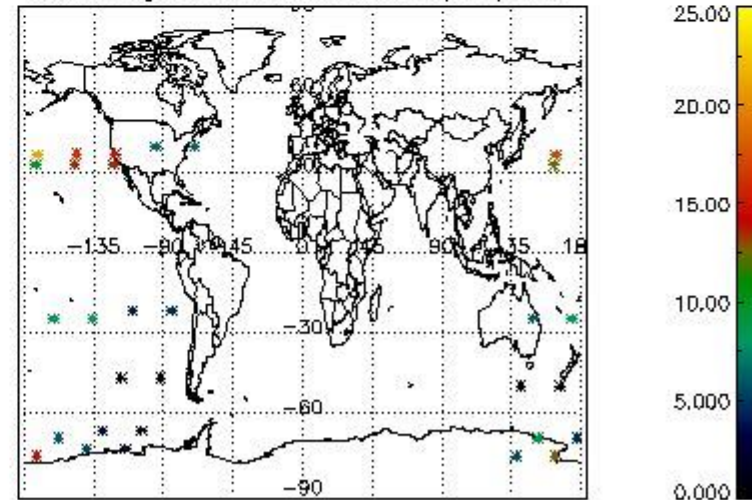
Percentage of datation errors per profile



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

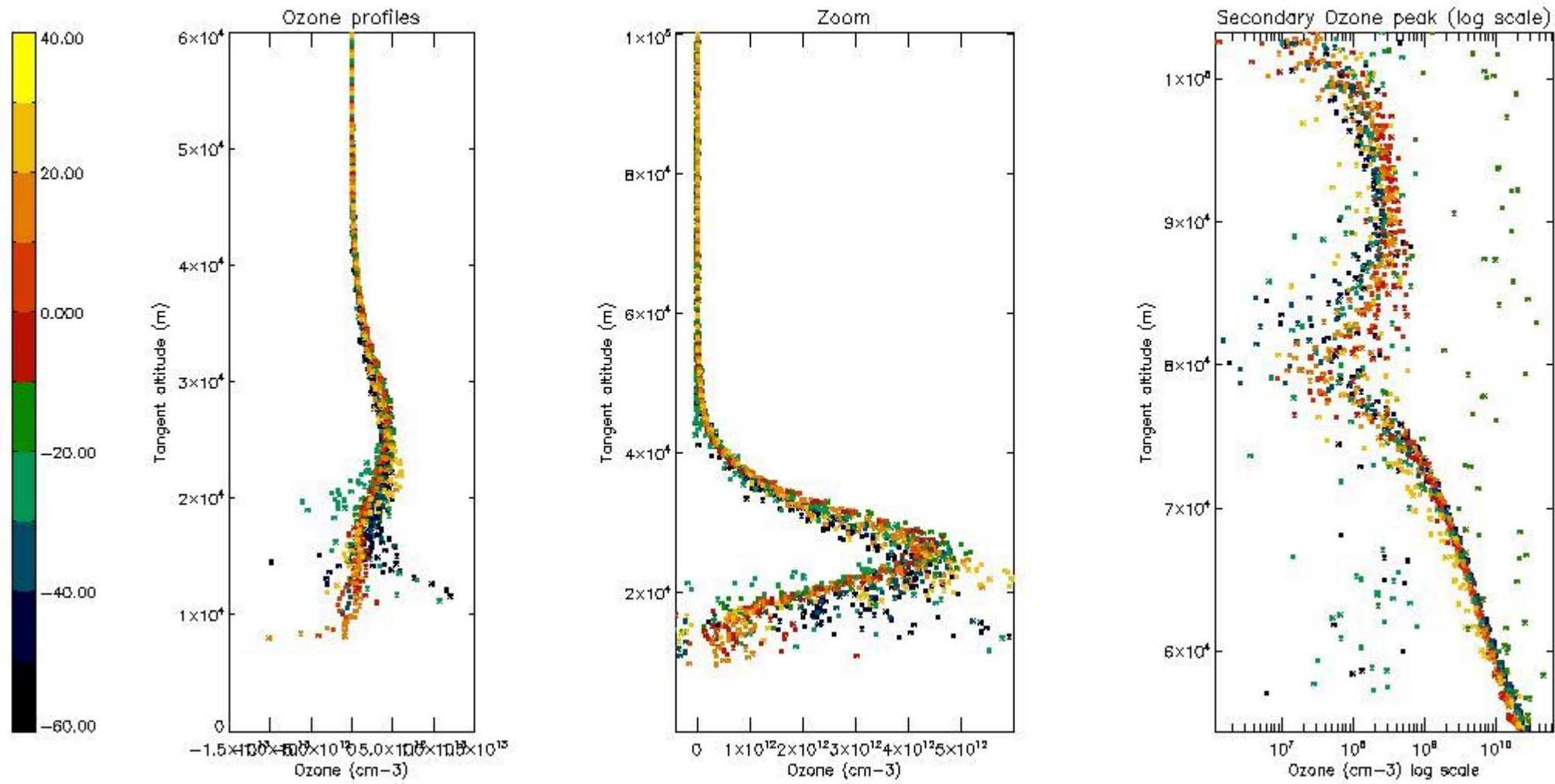
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	52
STD < 20	21

STD < 10	17
STD < 5	13

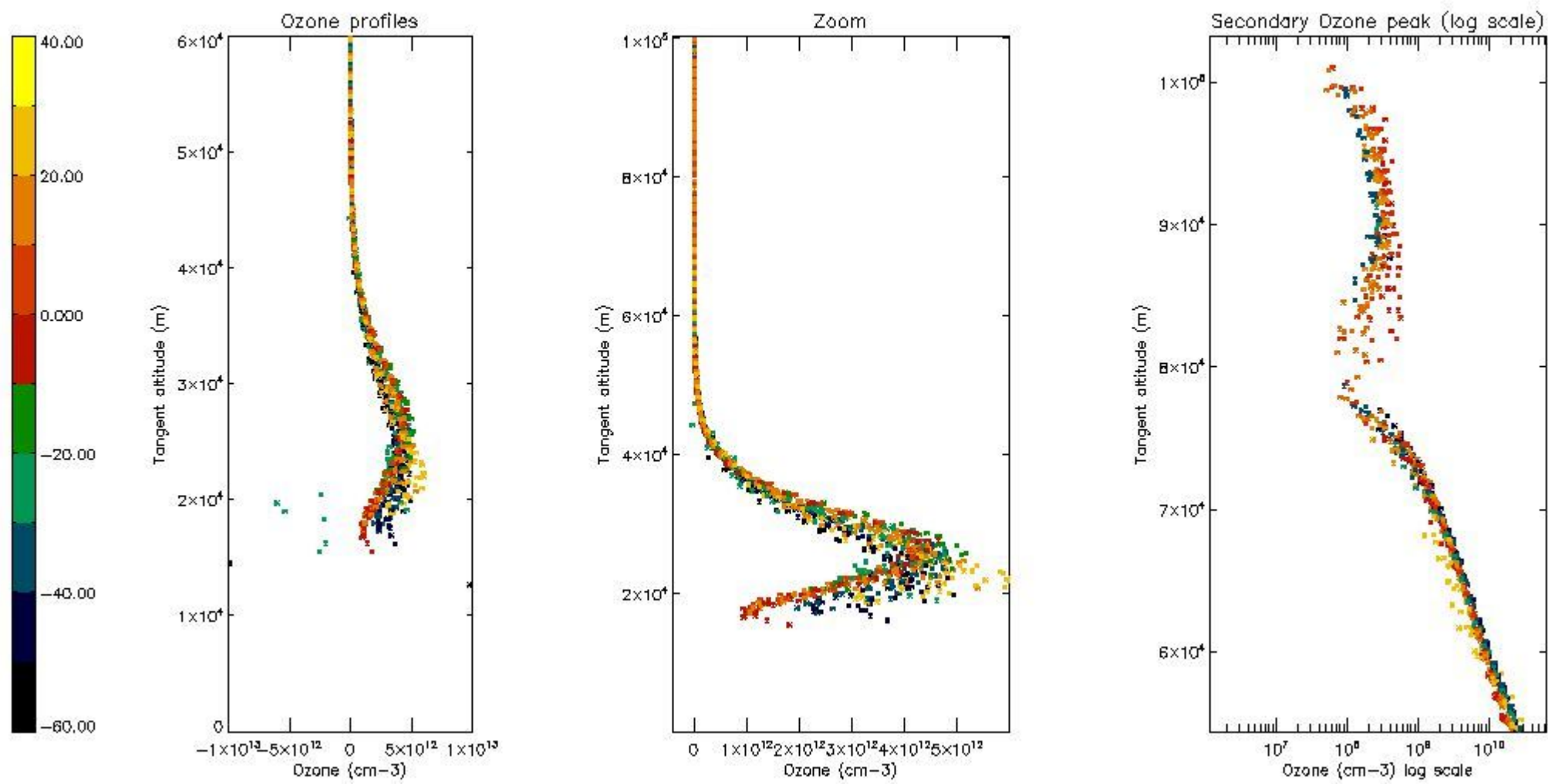
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



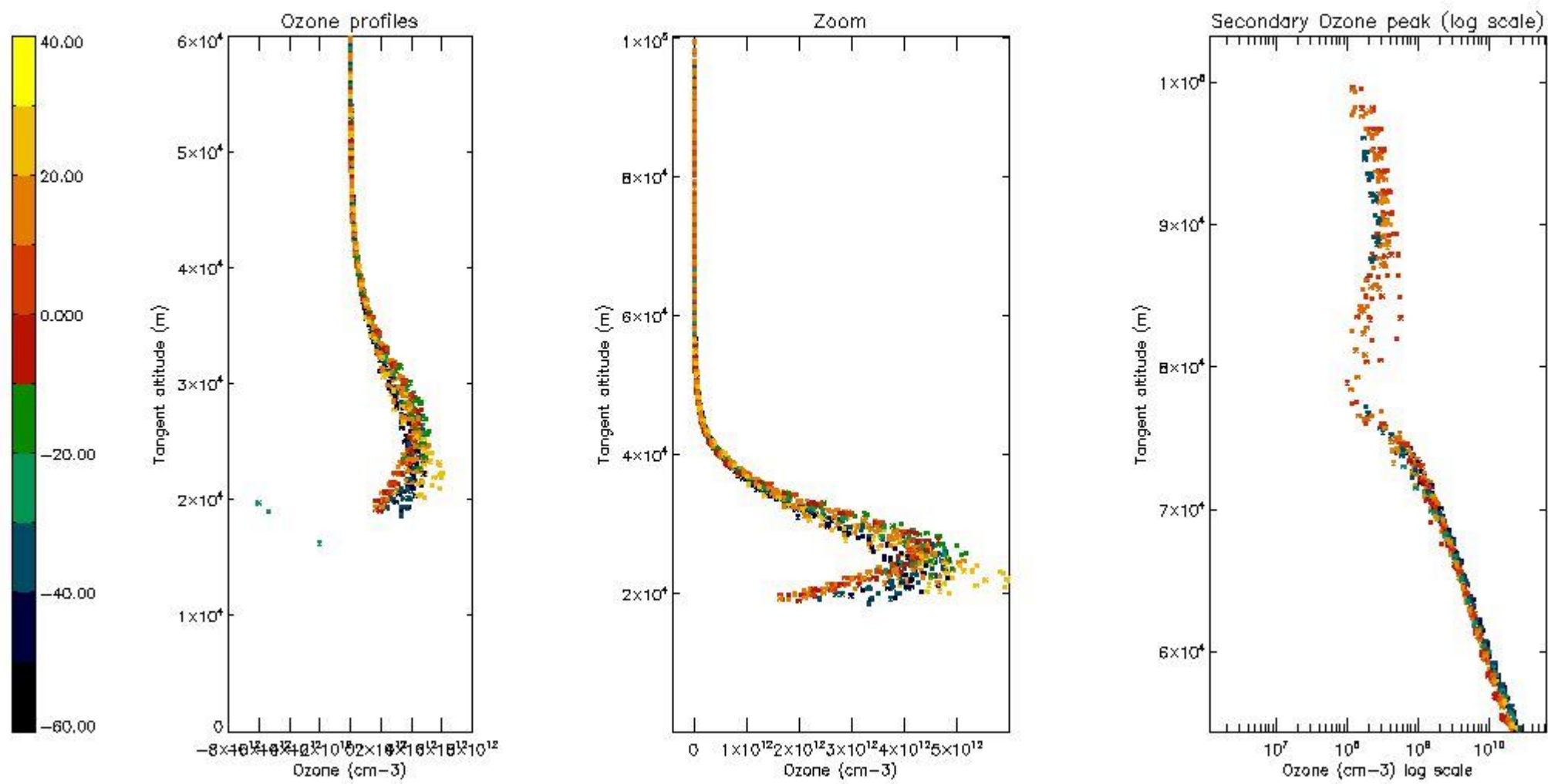
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



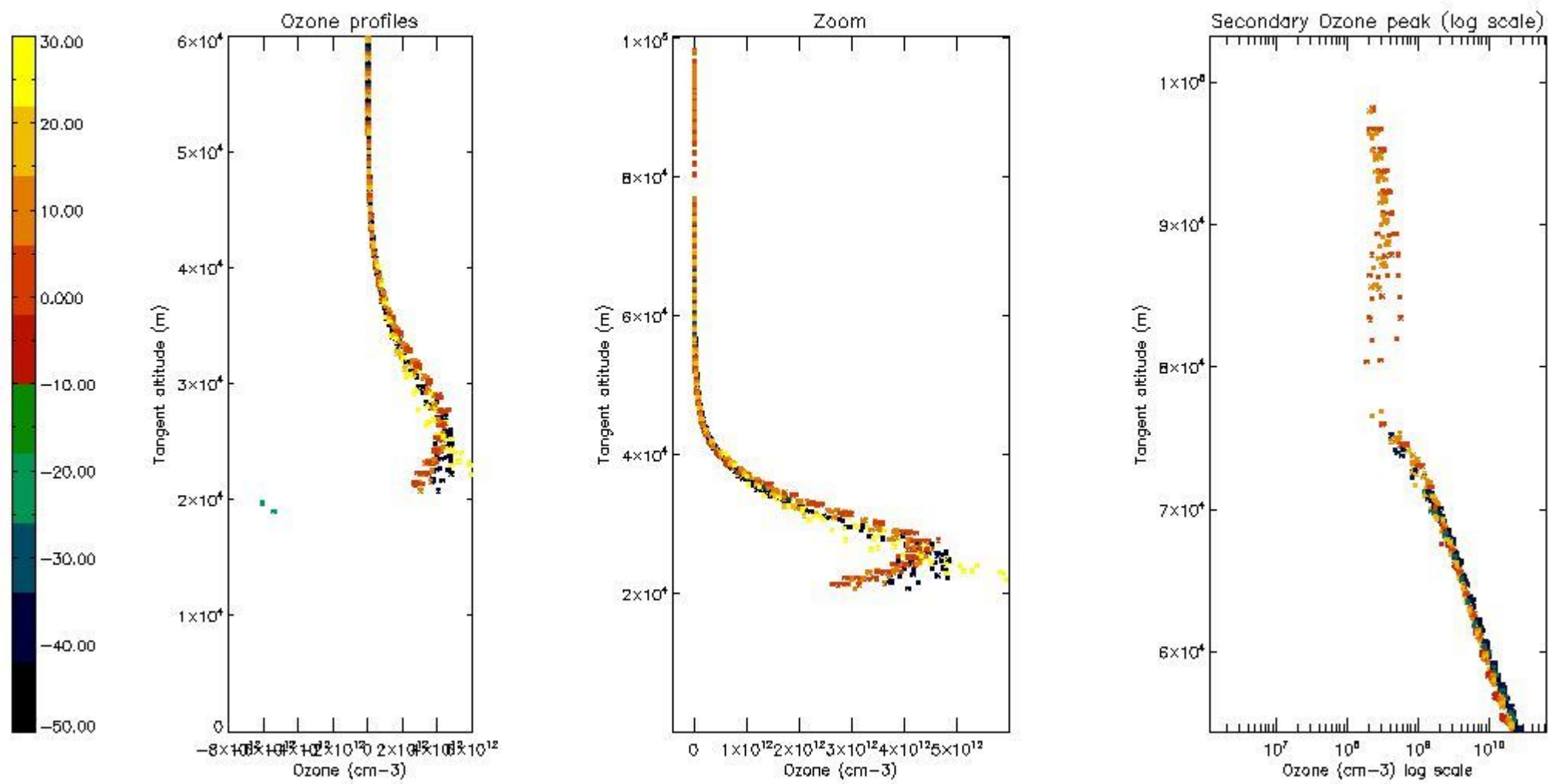
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



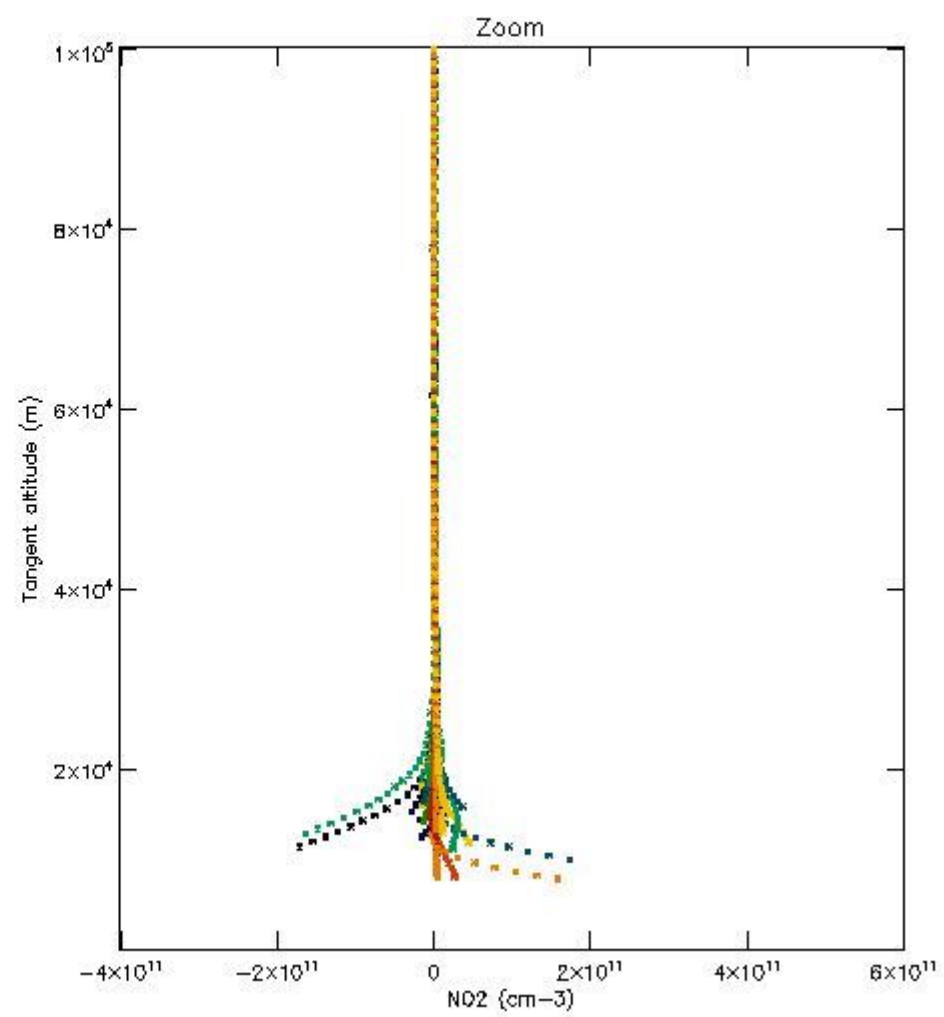
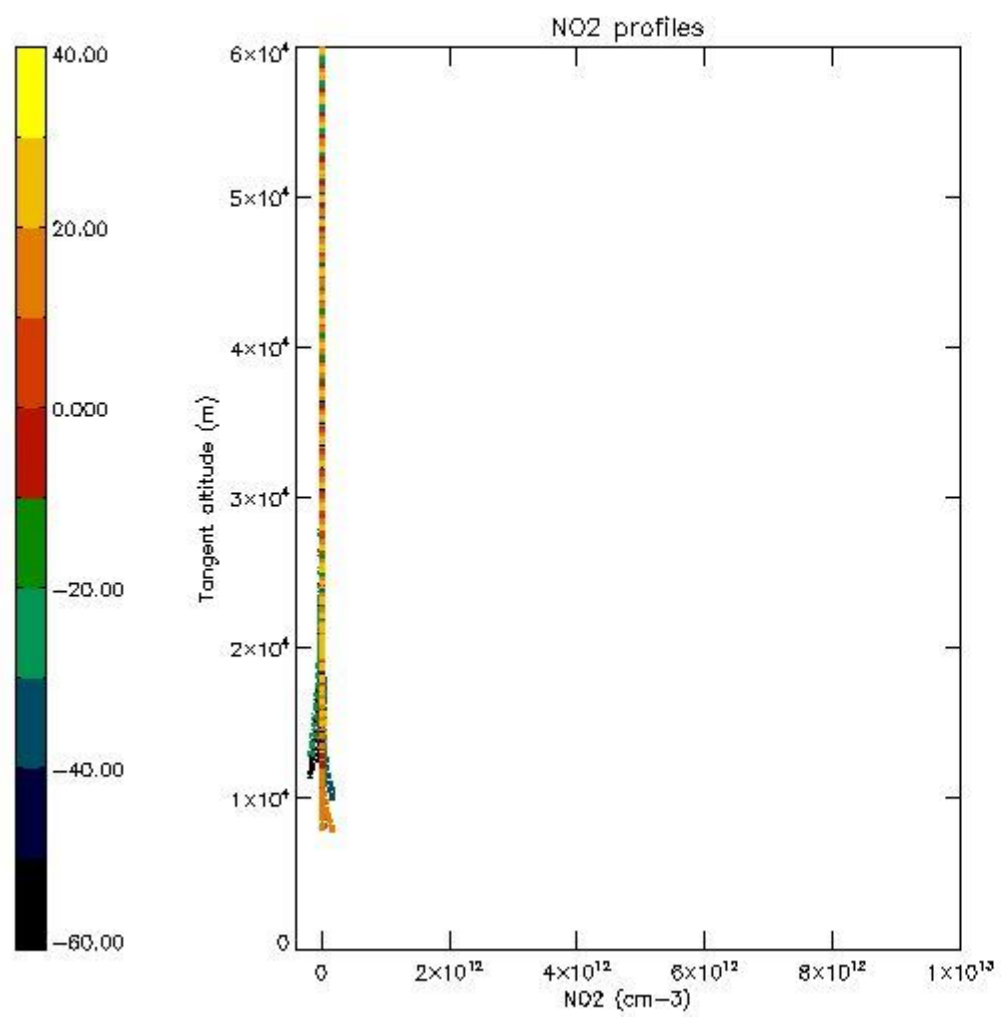
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



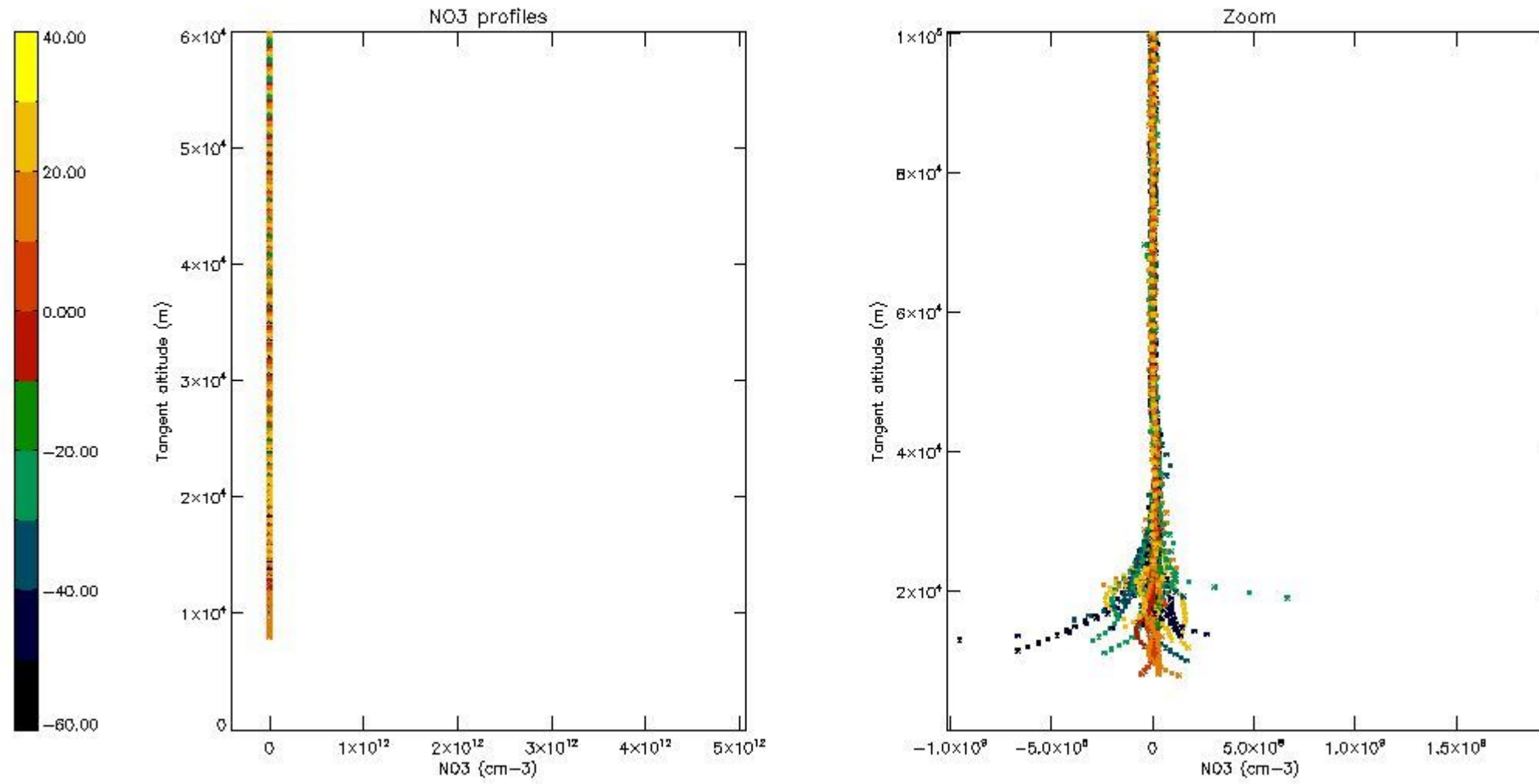
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	18-FEB-2007 14:37:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	18-FEB-2007 14:37:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	18-FEB-2007 14:37:24

GOMOS Level 2 Daily Report

SUMMARY

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[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	22APR2013 13:55:34
Data source version	GOMOS/6.01
Start time of products	18-02-2007 (18FEB2007 00:00:00)
Stop time of products	19-02-2007 (19FEB2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	99
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

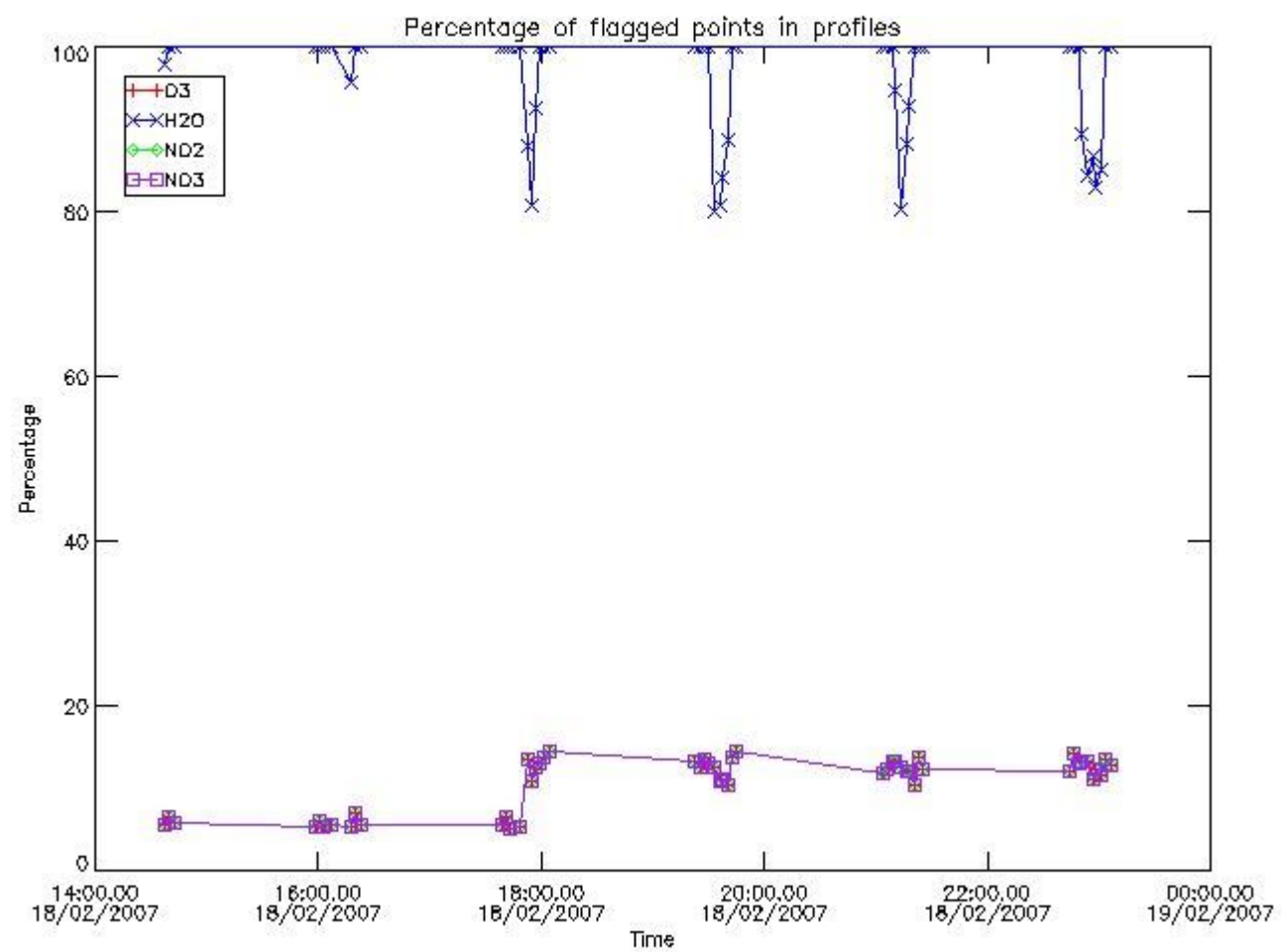
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070218_143724_000000912055_00383_25988_0960.N1	18-FEB-2007 14:37:24	Dark	91.000	12	Alp1Cru	0.77500	30000.	182	25988	No
2	GOM_NL__2PRFIN20070218_143940_000000872055_00383_25988_0961.N1	18-FEB-2007 14:39:40	Dark	87.000	124	The Car	2.7640	30000.	174	25988	No
3	GOM_NL__2PRFIN20070218_144219_000000902055_00383_25988_0962.N1	18-FEB-2007 14:42:19	Dark	89.500	71	Iot Car	2.2460	7700.0	179	25988	No
4	GOM_NL__2PRFIN20070218_144639_000000942055_00383_25988_0963.N1	18-FEB-2007 14:46:39	Straylight	94.000	65	Lam Vel	2.2040	4400.0	188	25988	No
5	GOM_NL__2PRFIN20070218_150721_000000872055_00383_25988_0964.N1	18-FEB-2007 15:07:21	Bright	86.500	17	78Bet Gem	1.1610	4500.0	173	25988	No
6	GOM_NL__2PRFIN20070218_152438_000000882055_00383_25988_0965.N1	18-FEB-2007 15:24:38	Bright	88.000	49	1Alp UMi	1.9900	6300.0	176	25988	No
7	GOM_NL__2PRFIN20070218_153145_000000522055_00383_25988_0966.N1	18-FEB-2007 15:31:45	Straylight	52.000	89	5Alp Cep	2.4510	8000.0	104	25988	No
8	GOM_NL__2PRFIN20070218_153725_000000842055_00383_25988_0967.N1	18-FEB-2007 15:37:25	Bright	83.500	144	18Del Cyg	2.8600	11000.	167	25988	No
9	GOM_NL__2PRFIN20070218_153936_000000902055_00383_25988_0968.N1	18-FEB-2007 15:39:36	Bright	89.500	5	3Alp Lyr	0.033000	11000.	179	25988	No
10	GOM_NL__2PRFIN20070218_154640_000000882055_00383_25988_0969.N1	18-FEB-2007 15:46:40	Bright	87.500	168	17Zet Aql	2.9860	11000.	175	25988	No
11	GOM_NL__2PRFIN20070218_155616_000000912055_00383_25988_0970.N1	18-FEB-2007 15:56:16	Twilight	91.000	155	41Pi Sgr	2.9000	6600.0	182	25988	No
12	GOM_NL__2PRFIN20070218_155820_000000962055_00383_25988_0971.N1	18-FEB-2007 15:58:20	Dark	96.000	137	22Lam Sgr	2.8240	4400.0	192	25988	No
13	GOM_NL__2PRFIN20070218_160047_000000922055_00383_25988_0972.N1	18-FEB-2007 16:00:47	Dark	92.000	38	20Eps Sgr	1.8360	11000.	184	25988	No
14	GOM_NL__2PRFIN20070218_160301_000000972055_00383_25988_0973.N1	18-FEB-2007 16:03:01	Dark	97.000	25	35Lam Sco	1.6200	28000.	194	25988	No
15	GOM_NL__2PRFIN20070218_160727_000000942055_00383_25988_0974.N1	18-FEB-2007 16:07:27	Dark	93.500	141	Bet Ara	2.8400	4600.0	187	25988	No
16	GOM_NL__2PRFIN20070218_161800_000000952055_00384_25989_0975.N1	18-FEB-2007 16:18:00	Dark	95.000	12	Alp1Cru	0.77500	30000.	190	25989	No
17	GOM_NL__2PRFIN20070218_162017_000000872055_00384_25989_0976.N1	18-FEB-2007 16:20:17	Dark	87.000	124	The Car	2.7640	30000.	174	25989	No
18	GOM_NL__2PRFIN20070218_162255_000000932055_00384_25989_0977.N1	18-FEB-2007 16:22:55	Dark	92.500	71	Iot Car	2.2460	7700.0	185	25989	No
19	GOM_NL__2PRFIN20070218_162716_000000942055_00384_25989_0978.N1	18-FEB-2007 16:27:16	Straylight	94.000	65	Lam Vel	2.2040	4400.0	188	25989	No
20	GOM_NL__2PRFIN20070218_164758_000000872055_00384_25989_0979.N1	18-FEB-2007 16:47:58	Bright	86.500	17	78Bet Gem	1.1610	4500.0	173	25989	No
21	GOM_NL__2PRFIN20070218_170514_000000882055_00384_25989_0980.N1	18-FEB-2007 17:05:14	Bright	87.500	49	1Alp UMi	1.9900	6300.0	175	25989	No
22	GOM_NL__2PRFIN20070218_171221_000000522055_00384_25989_0981.N1	18-FEB-2007 17:12:21	Straylight	52.000	89	5Alp Cep	2.4510	8000.0	104	25989	No
23	GOM_NL__2PRFIN20070218_171802_000000862055_00384_25989_0982.N1	18-FEB-2007 17:18:02	Bright	86.000	144	18Del Cyg	2.8600	11000.	172	25989	No
24	GOM_NL__2PRFIN20070218_172012_000000942055_00384_25989_0983.N1	18-FEB-2007 17:20:12	Bright	94.000	5	3Alp Lyr	0.033000	11000.	188	25989	No
25	GOM_NL__2PRFIN20070218_172717_000000872055_00384_25989_0984.N1	18-FEB-2007 17:27:17	Bright	87.000	168	17Zet Aql	2.9860	11000.	174	25989	No
26	GOM_NL__2PRFIN20070218_173653_000000892055_00384_25989_0985.N1	18-FEB-2007 17:36:53	Twilight	89.000	155	41Pi Sgr	2.9000	6600.0	178	25989	No
27	GOM_NL__2PRFIN20070218_173857_000000942055_00384_25989_0986.N1	18-FEB-2007 17:38:57	Dark	93.500	137	22Lam Sgr	2.8240	4400.0	187	25989	No
28	GOM_NL__2PRFIN20070218_174123_000000932055_00384_25989_0987.N1	18-FEB-2007 17:41:23	Dark	92.500	38	20Eps Sgr	1.8360	11000.	185	25989	No
29	GOM_NL__2PRFIN20070218_174338_000001032055_00384_25989_0988.N1	18-FEB-2007 17:43:38	Dark	103.00	25	35Lam Sco	1.6200	28000.	206	25989	No
30	GOM_NL__2PRFIN20070218_174803_000000952055_00384_25989_0989.N1	18-FEB-2007 17:48:03	Dark	95.000	141	Bet Ara	2.8400	4600.0	190	25989	No
31	GOM_NL__2PRFIN20070218_175225_000000382055_00385_25990_0992.N1	18-FEB-2007 17:52:25	Dark	37.500	43	Alp TrA	1.9100	4250.0	75	25990	No
32	GOM_NL__2PRFIN20070218_175511_000000472055_00385_25990_0993.N1	18-FEB-2007 17:55:11	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	25990	No
33	GOM_NL__2PRFIN20070218_175630_000000412055_00385_25990_0994.N1	18-FEB-2007 17:56:30	Dark	41.000	10	Bet Cen	0.61000	28000.	82	25990	No
34	GOM_NL__2PRFIN20070218_175929_000000402055_00385_25990_0995.N1	18-FEB-2007 17:59:29	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	25990	No
35	GOM_NL__2PRFIN20070218_180143_000000372055_00385_25990_0996.N1	18-FEB-2007 18:01:43	Dark	37.000	124	The Car	2.7640	30000.	74	25990	No
36	GOM_NL__2PRFIN20070218_180422_000000352055_00385_25990_0997.N1	18-FEB-2007 18:04:22	Dark	35.000	71	Iot Car	2.2460	7700.0	70	25990	No
37	GOM_NL__2PRFIN20070218_180843_000000432055_00385_25990_0998.N1	18-FEB-2007 18:08:43	Straylight	42.500	65	Lam Vel	2.2040	4400.0	85	25990	No
38	GOM_NL__2PRFIN20070218_182923_000000382055_00385_25990_0999.N1	18-FEB-2007 18:29:23	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	25990	No
39	GOM_NL__2PRFIN20070218_183032_000000372055_00385_25990_1000.N1	18-FEB-2007 18:30:32	Bright	37.000	24	66Alp Gem	1.5800	10200.	74	25990	No
40	GOM_NL__2PRFIN20070218_184642_000000362055_00385_25990_1001.N1	18-FEB-2007 18:46:42	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	25990	No
41	GOM_NL__2PRFIN20070218_185929_000000342055_00385_25990_1002.N1	18-FEB-2007 18:59:29	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	25990	No
42	GOM_NL__2PRFIN20070218_190143_000000412055_00385_25990_1003.N1	18-FEB-2007 19:01:43	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	25990	No

43	GOM_NL__2PRFIN20070218_190845_000000362055_00385_25990_1004.N1	18-FEB-2007 19:08:45	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	25990	No
44	GOM_NL__2PRFIN20070218_191820_000000402055_00385_25990_1005.N1	18-FEB-2007 19:18:20	Twilight	39.500	155	41Pi Sgr	2.9000	6600.0	79	25990	No
45	GOM_NL__2PRFIN20070218_192001_000000392055_00385_25990_1006.N1	18-FEB-2007 19:20:01	Twilight	39.000	57	34Sig Sgr	2.0660	26000.	78	25990	No
46	GOM_NL__2PRFIN20070218_192251_000000422055_00385_25990_1007.N1	18-FEB-2007 19:22:51	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	25990	No
47	GOM_NL__2PRFIN20070218_192509_000000412055_00385_25990_1008.N1	18-FEB-2007 19:25:09	Dark	40.500	25	35Lam Sco	1.6200	28000.	81	25990	No
48	GOM_NL__2PRFIN20070218_192805_000000382055_00385_25990_1009.N1	18-FEB-2007 19:28:05	Dark	37.500	147	Alp Ara	2.8770	26000.	75	25990	No
49	GOM_NL__2PRFIN20070218_192930_000000392055_00385_25990_1010.N1	18-FEB-2007 19:29:30	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	25990	No
50	GOM_NL__2PRFIN20070218_193301_000000412055_00386_25991_1006.N1	18-FEB-2007 19:33:01	Dark	40.500	43	Alp TrA	1.9100	4250.0	81	25991	No
51	GOM_NL__2PRFIN20070218_193547_000000472055_00386_25991_1007.N1	18-FEB-2007 19:35:47	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	25991	No
52	GOM_NL__2PRFIN20070218_193707_000000512055_00386_25991_1008.N1	18-FEB-2007 19:37:07	Dark	50.500	10	Bet Cen	0.61000	28000.	101	25991	No
53	GOM_NL__2PRFIN20070218_194005_000000492055_00386_25991_1009.N1	18-FEB-2007 19:40:05	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	25991	No
54	GOM_NL__2PRFIN20070218_194219_000000372055_00386_25991_1010.N1	18-FEB-2007 19:42:19	Dark	37.000	124	The Car	2.7640	30000.	74	25991	No
55	GOM_NL__2PRFIN20070218_194458_000000362055_00386_25991_1011.N1	18-FEB-2007 19:44:58	Dark	35.500	71	Iot Car	2.2460	7700.0	71	25991	No
56	GOM_NL__2PRFIN20070218_194919_000000422055_00386_25991_1012.N1	18-FEB-2007 19:49:19	Straylight	41.500	65	Lam Vel	2.2040	4400.0	83	25991	No
57	GOM_NL__2PRFIN20070218_200959_000000382055_00386_25991_1013.N1	18-FEB-2007 20:09:59	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	25991	No
58	GOM_NL__2PRFIN20070218_201108_000000372055_00386_25991_1014.N1	18-FEB-2007 20:11:08	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	25991	No
59	GOM_NL__2PRFIN20070218_202718_000000362055_00386_25991_1015.N1	18-FEB-2007 20:27:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	25991	No
60	GOM_NL__2PRFIN20070218_204004_000000342055_00386_25991_1016.N1	18-FEB-2007 20:40:04	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	25991	No
61	GOM_NL__2PRFIN20070218_204219_000000402055_00386_25991_1017.N1	18-FEB-2007 20:42:19	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	25991	No
62	GOM_NL__2PRFIN20070218_204921_000000342055_00386_25991_1018.N1	18-FEB-2007 20:49:21	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	25991	No
63	GOM_NL__2PRFIN20070218_205856_000000412055_00386_25991_1019.N1	18-FEB-2007 20:58:56	Twilight	41.000	155	41Pi Sgr	2.9000	6600.0	82	25991	No
64	GOM_NL__2PRFIN20070218_210037_000000412055_00386_25991_1020.N1	18-FEB-2007 21:00:37	Twilight	41.000	57	34Sig Sgr	2.0660	26000.	82	25991	No
65	GOM_NL__2PRFIN20070218_210327_000000432055_00386_25991_1021.N1	18-FEB-2007 21:03:27	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	25991	No
66	GOM_NL__2PRFIN20070218_210545_000000422055_00386_25991_1022.N1	18-FEB-2007 21:05:45	Dark	41.500	25	35Lam Sco	1.6200	28000.	83	25991	No
67	GOM_NL__2PRFIN20070218_210842_000000392055_00386_25991_1023.N1	18-FEB-2007 21:08:42	Dark	38.500	147	Alp Ara	2.8770	26000.	77	25991	No
68	GOM_NL__2PRFIN20070218_211006_000000392055_00386_25991_1024.N1	18-FEB-2007 21:10:06	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	25991	No
69	GOM_NL__2PRFIN20070218_211337_000000412055_00387_25992_1012.N1	18-FEB-2007 21:13:37	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	25992	No
70	GOM_NL__2PRFIN20070218_211624_000000432055_00387_25992_1013.N1	18-FEB-2007 21:16:24	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	25992	No
71	GOM_NL__2PRFIN20070218_211743_000000422055_00387_25992_1014.N1	18-FEB-2007 21:17:43	Dark	42.000	10	Bet Cen	0.61000	28000.	84	25992	No
72	GOM_NL__2PRFIN20070218_212042_000000492055_00387_25992_1015.N1	18-FEB-2007 21:20:42	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	25992	No
73	GOM_NL__2PRFIN20070218_212256_000000372055_00387_25992_1016.N1	18-FEB-2007 21:22:56	Dark	37.000	124	The Car	2.7640	30000.	74	25992	No
74	GOM_NL__2PRFIN20070218_212534_000000422055_00387_25992_1017.N1	18-FEB-2007 21:25:34	Dark	41.500	71	Iot Car	2.2460	7700.0	83	25992	No
75	GOM_NL__2PRFIN20070218_212955_000000432055_00387_25992_1018.N1	18-FEB-2007 21:29:55	Straylight	42.500	65	Lam Vel	2.2040	4400.0	85	25992	No
76	GOM_NL__2PRFIN20070218_215035_000000402055_00387_25992_1019.N1	18-FEB-2007 21:50:35	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	25992	No
77	GOM_NL__2PRFIN20070218_215145_000000352055_00387_25992_1020.N1	18-FEB-2007 21:51:45	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	25992	No
78	GOM_NL__2PRFIN20070218_220753_000000362055_00387_25992_1021.N1	18-FEB-2007 22:07:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	25992	No
79	GOM_NL__2PRFIN20070218_221500_000000302055_00387_25992_1022.N1	18-FEB-2007 22:15:00	Bright	30.000	89	5Alp Cep	2.4510	8000.0	60	25992	No
80	GOM_NL__2PRFIN20070218_222041_000000352055_00387_25992_1023.N1	18-FEB-2007 22:20:41	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	25992	No
81	GOM_NL__2PRFIN20070218_222255_000000372055_00387_25992_1024.N1	18-FEB-2007 22:22:55	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	25992	No
82	GOM_NL__2PRFIN20070218_222957_000000352055_00387_25992_1025.N1	18-FEB-2007 22:29:57	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	25992	No
83	GOM_NL__2PRFIN20070218_223932_000000412055_00387_25992_1026.N1	18-FEB-2007 22:39:32	Twilight	41.000	155	41Pi Sgr	2.9000	6600.0	82	25992	No
84	GOM_NL__2PRFIN20070218_224113_000000422055_00387_25992_1027.N1	18-FEB-2007 22:41:13	Twilight	42.000	57	34Sig Sgr	2.0660	26000.	84	25992	No
85	GOM_NL__2PRFIN20070218_224404_000000422055_00387_25992_1028.N1	18-FEB-2007 22:44:04	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	25992	No
86	GOM_NL__2PRFIN20070218_224622_000000432055_00387_25992_1029.N1	18-FEB-2007 22:46:22	Dark	43.000	25	35Lam Sco	1.6200	28000.	86	25992	No
87	GOM_NL__2PRFIN20070218_224918_000000392055_00387_25992_1030.N1	18-FEB-2007 22:49:18	Dark	39.000	147	Alp Ara	2.8770	26000.	78	25992	No
88	GOM_NL__2PRFIN20070218_225042_000000392055_00387_25992_1031.N1	18-FEB-2007 22:50:42	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	25992	No
89	GOM_NL__2PRFIN20070218_225413_000000392055_00388_25993_1029.N1	18-FEB-2007 22:54:13	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	25993	No
90	GOM_NL__2PRFIN20070218_225700_000000462055_00388_25993_1030.N1	18-FEB-2007 22:57:00	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	25993	No
91	GOM_NL__2PRFIN20070218_225820_000000422055_00388_25993_1031.N1	18-FEB-2007 22:58:20	Dark	41.500	10	Bet Cen	0.61000	28000.	83	25993	No
92	GOM_NL__2PRFIN20070218_230118_000000442055_00388_25993_1032.N1	18-FEB-2007 23:01:18	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	25993	No
93	GOM_NL__2PRFIN20070218_230332_000000382055_00388_25993_1033.N1	18-FEB-2007 23:03:32	Dark	37.500	124	The Car	2.7640	30000.	75	25993	No
94	GOM_NL__2PRFIN20070218_230610_000000402055_00388_25993_1034.N1	18-FEB-2007 23:06:10	Dark	40.000	71	Iot Car	2.2460	7700.0	80	25993	No
95	GOM_NL__2PRFIN20070218_231031_000000452055_00388_25993_1035.N1	18-FEB-2007 23:10:31	Straylight	44.500	65	Lam Vel	2.2040	4400.0	89	25993	No
96	GOM_NL__2PRFIN20070218_233111_000000382055_00388_25993_1036.N1	18-FEB-2007 23:31:11	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	25993	No
97	GOM_NL__2PRFIN20070218_233221_000000362055_00388_25993_1037.N1	18-FEB-2007 23:32:21	Bright	36.000	24	66Alp Gem	1.5800	10200.	72	25993	No
98	GOM_NL__2PRFIN20070218_234829_000000342055_00388_25993_1038.N1	18-FEB-2007 23:48:29	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	25993	No
99	GOM_NL__2PRFIN20070218_235536_000000302055_00388_25993_1039.N1	18-FEB-2007 23:55:36	Bright	30.000	89	5Alp Cep	2.4510	8000.0	60	25993	No

3. Quality information per product

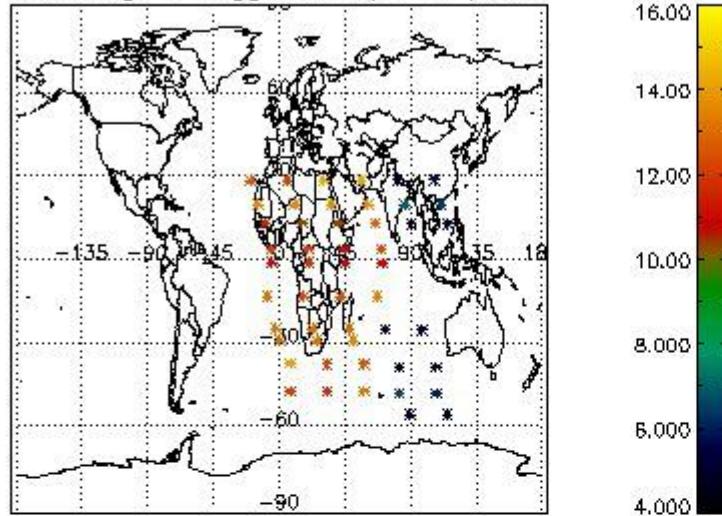
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

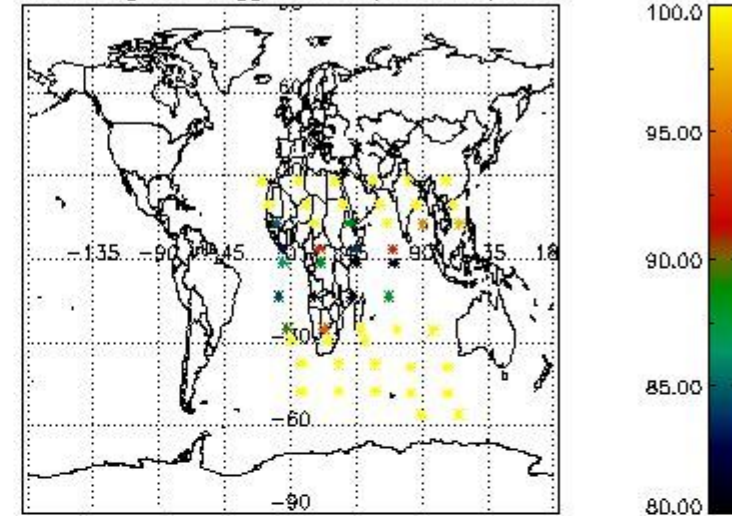


3.2 Plot quality information per product (world map)

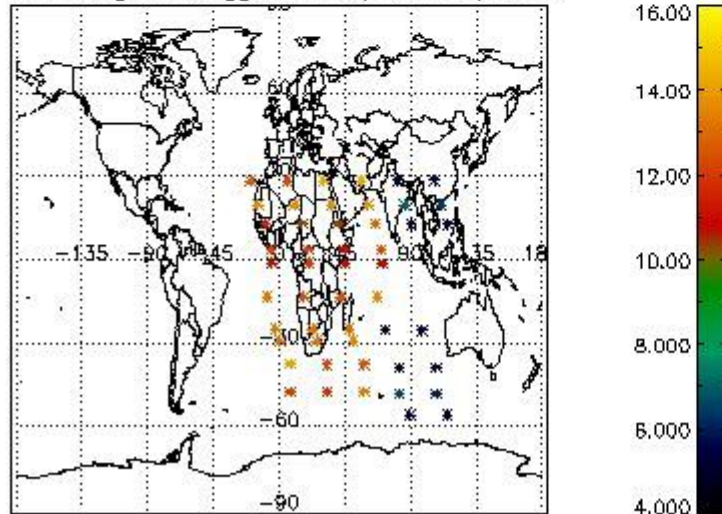
Percentage of flagged data per O3 profile



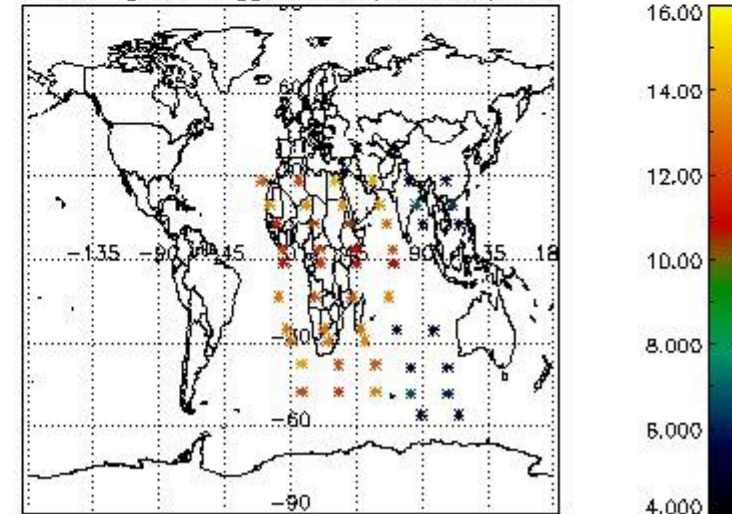
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

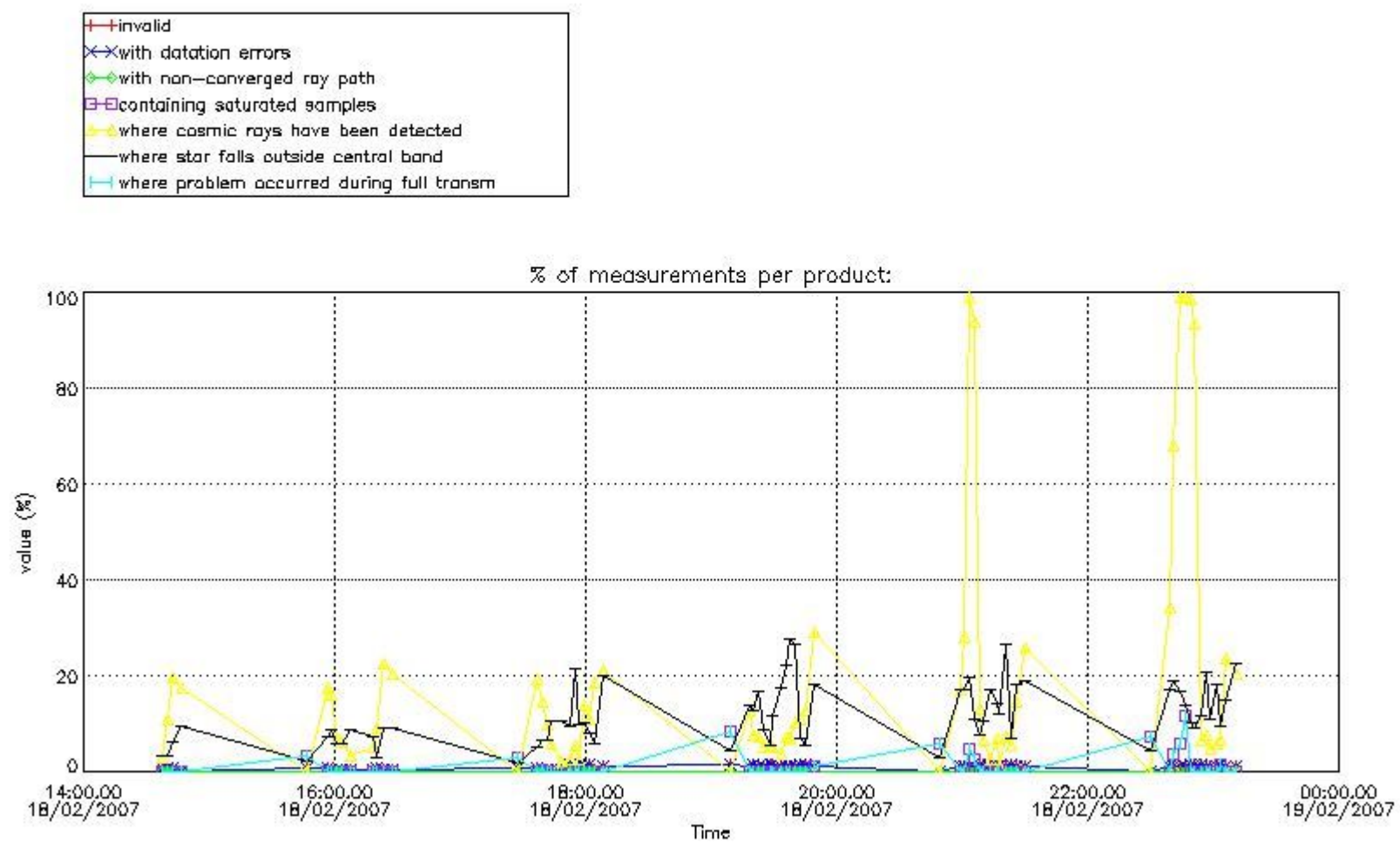


4. Level 1 quality information per product

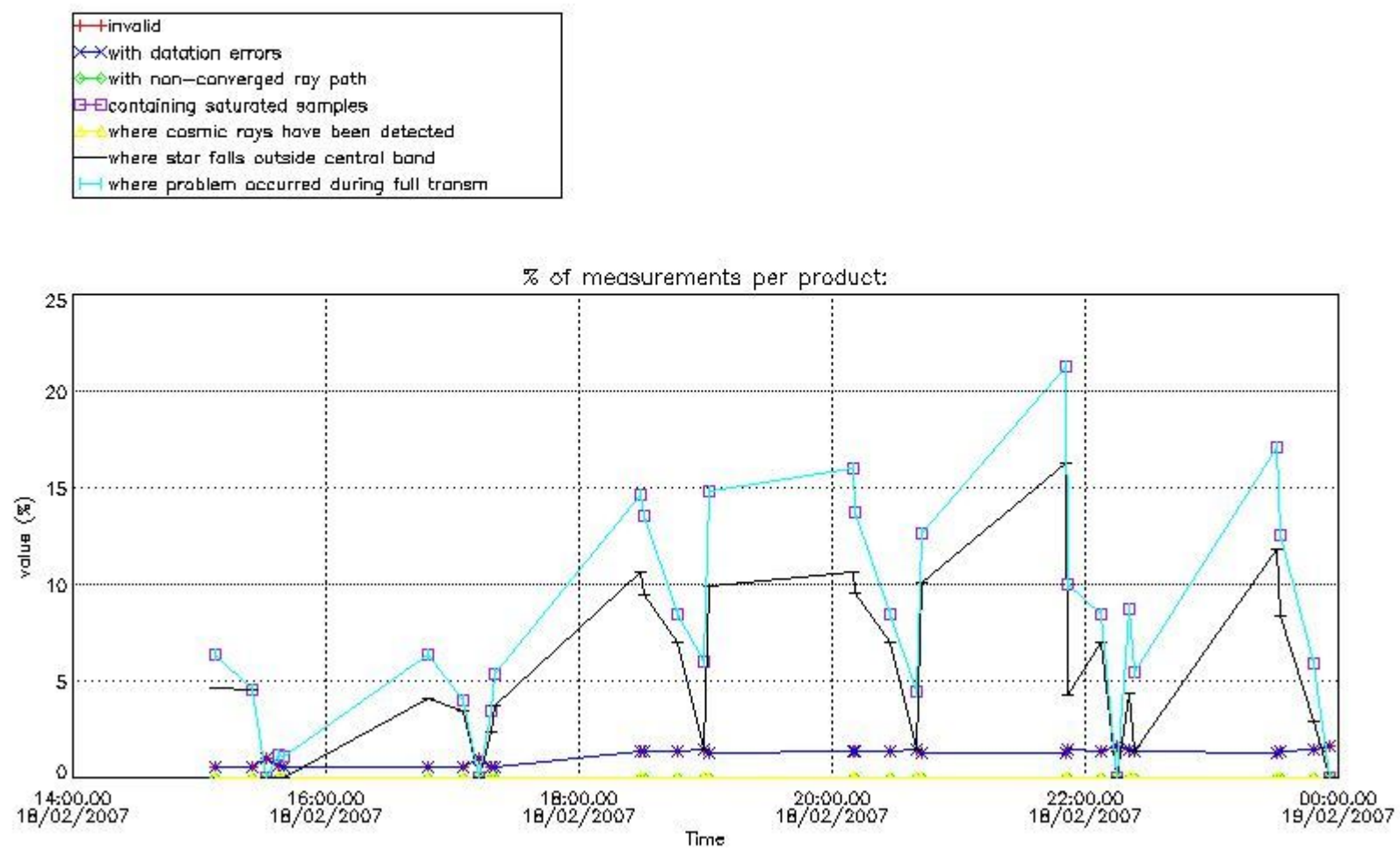
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

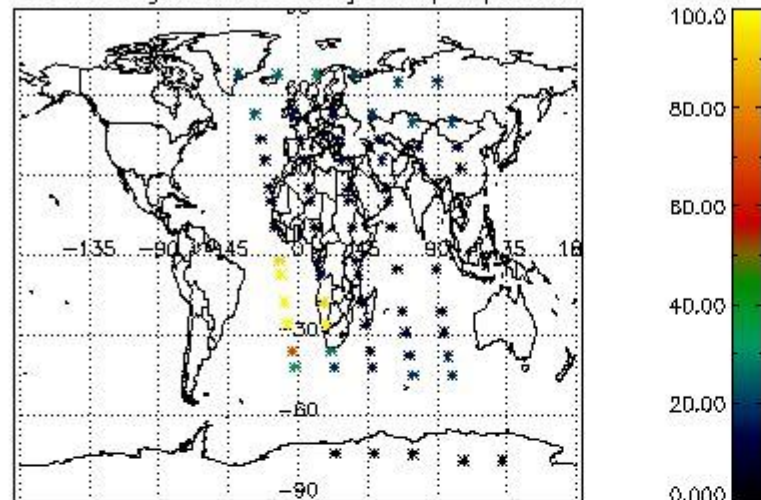


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

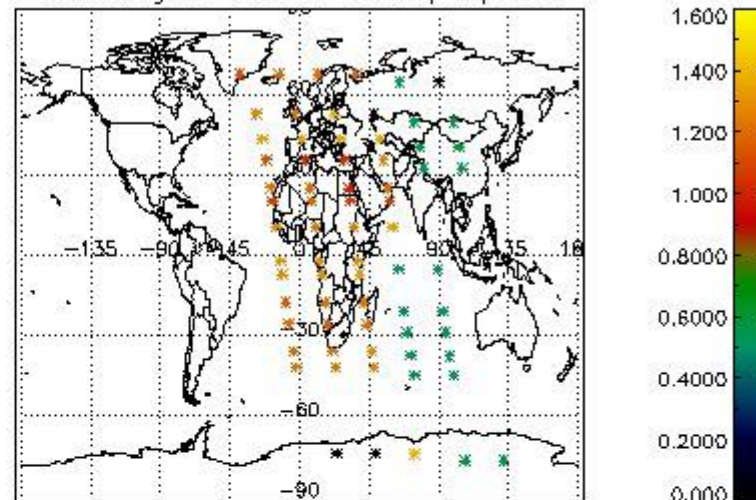


4.2 Plot quality information per product coming from level 1b processing (world map)
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

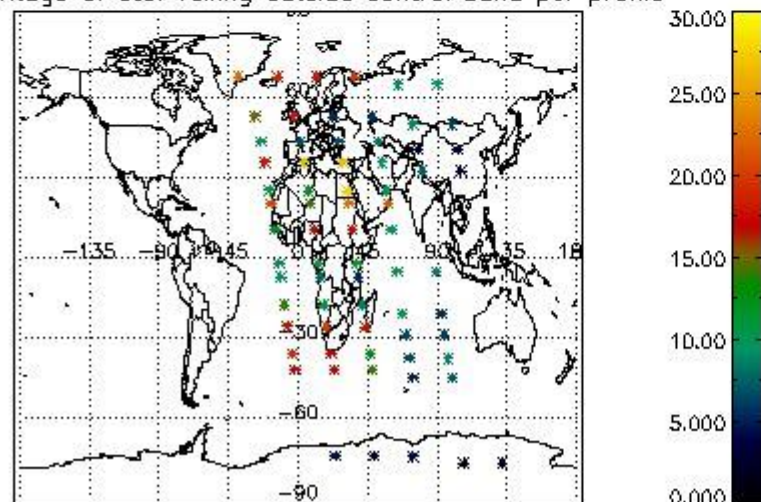
Percentage of cosmic ray hits per profile



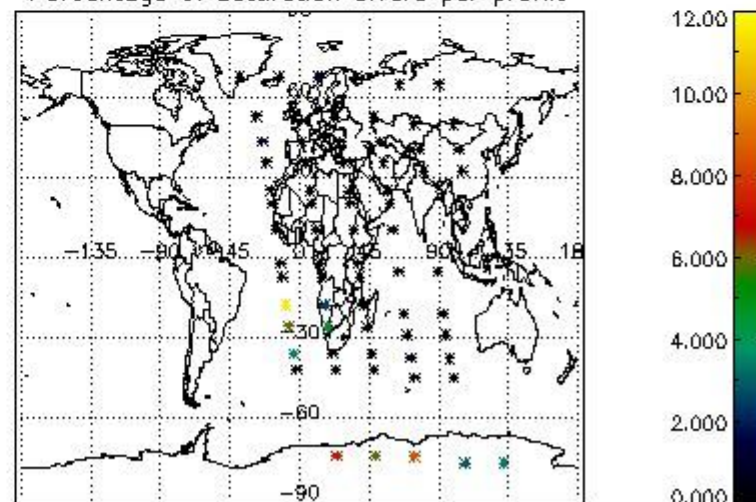
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

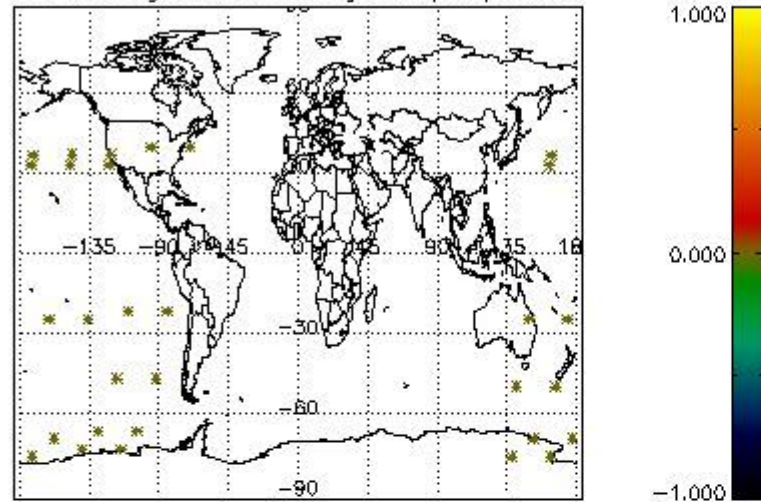


Percentage of saturation errors per profile

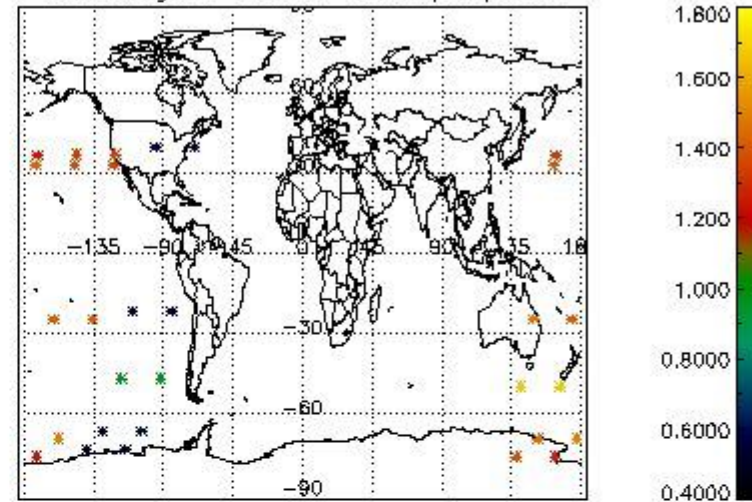


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

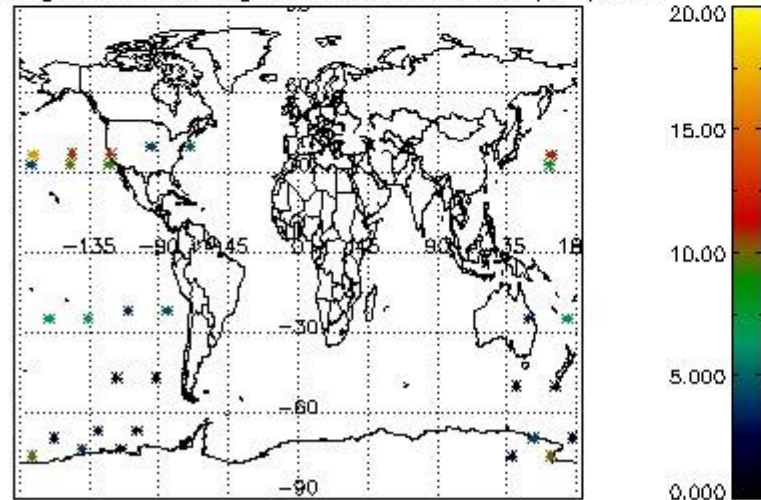
Percentage of cosmic ray hits per profile



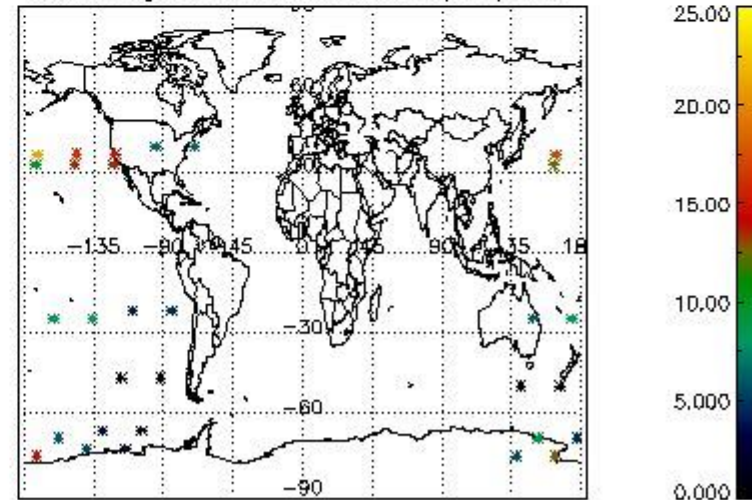
Percentage of datation errors per profile



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

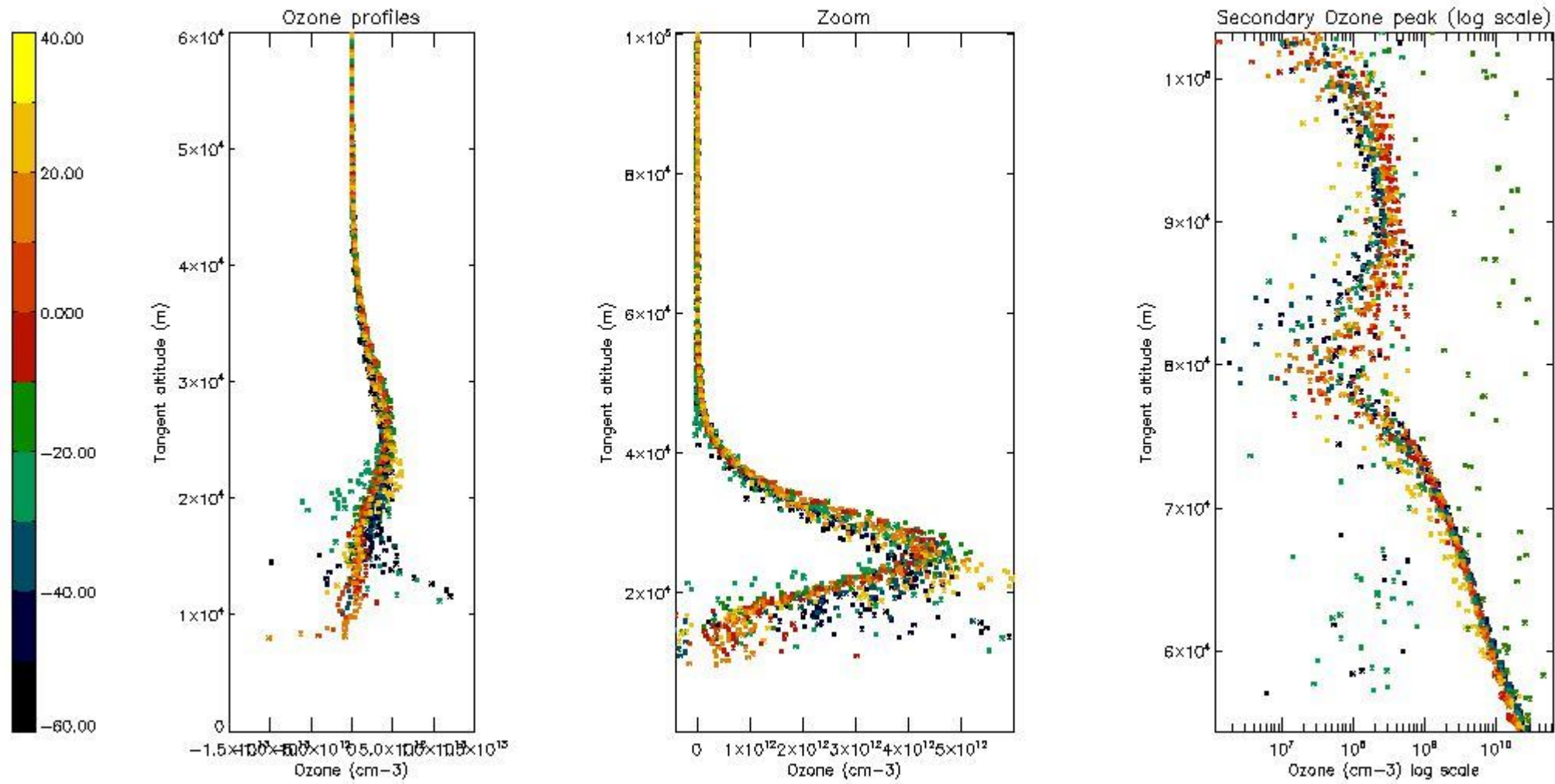
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	52
STD < 20	21

STD < 10	17
STD < 5	13

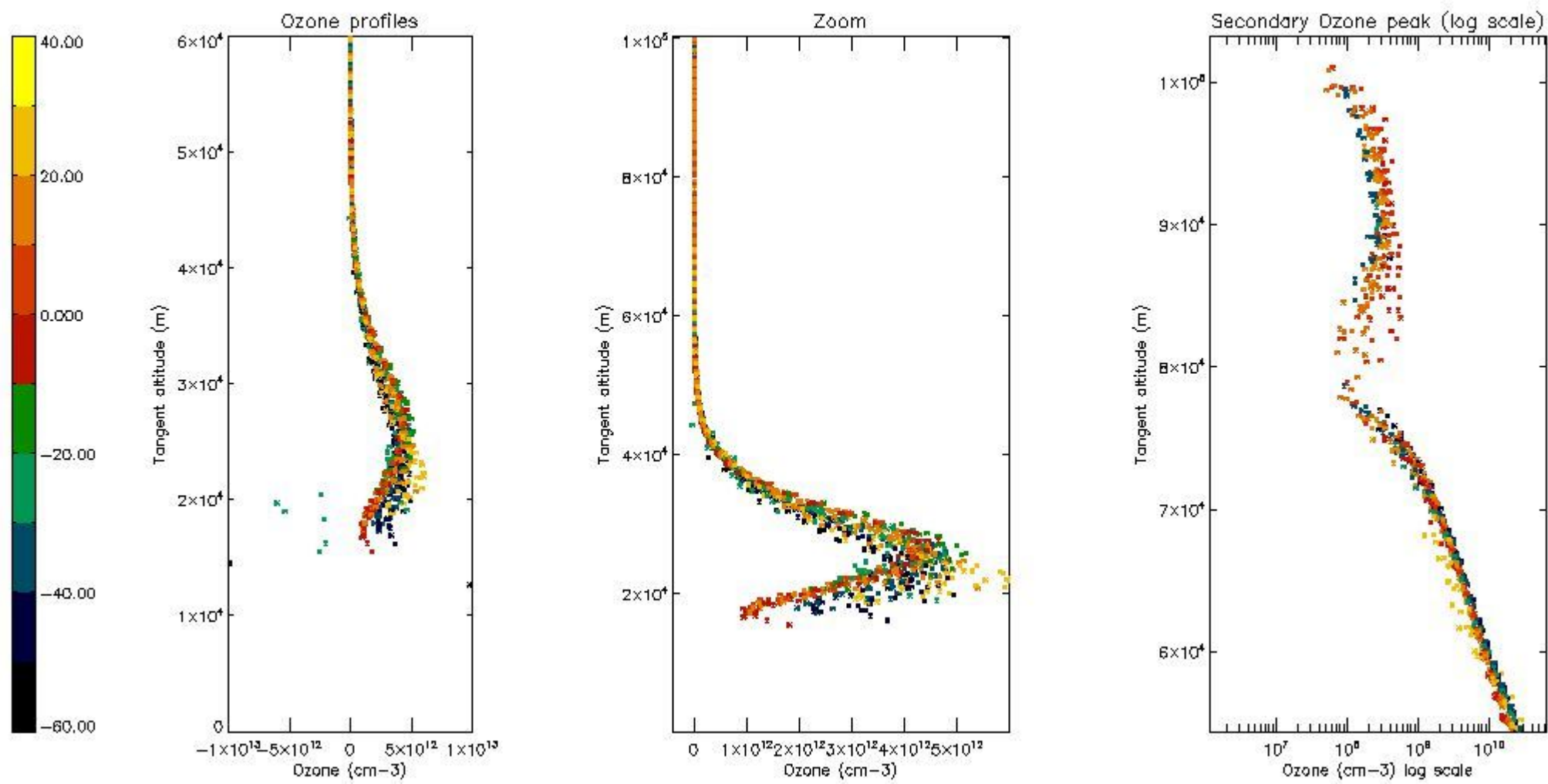
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



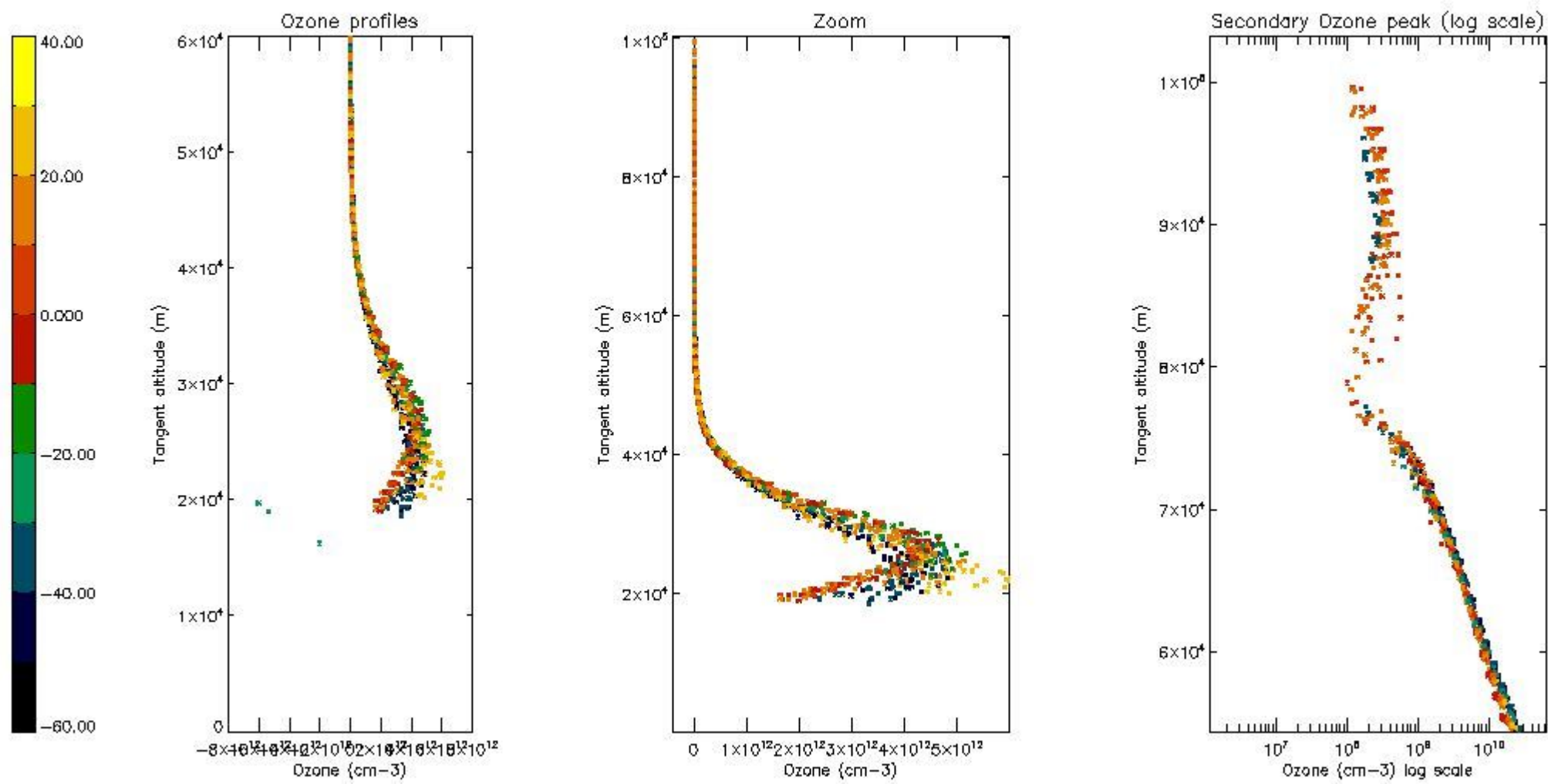
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



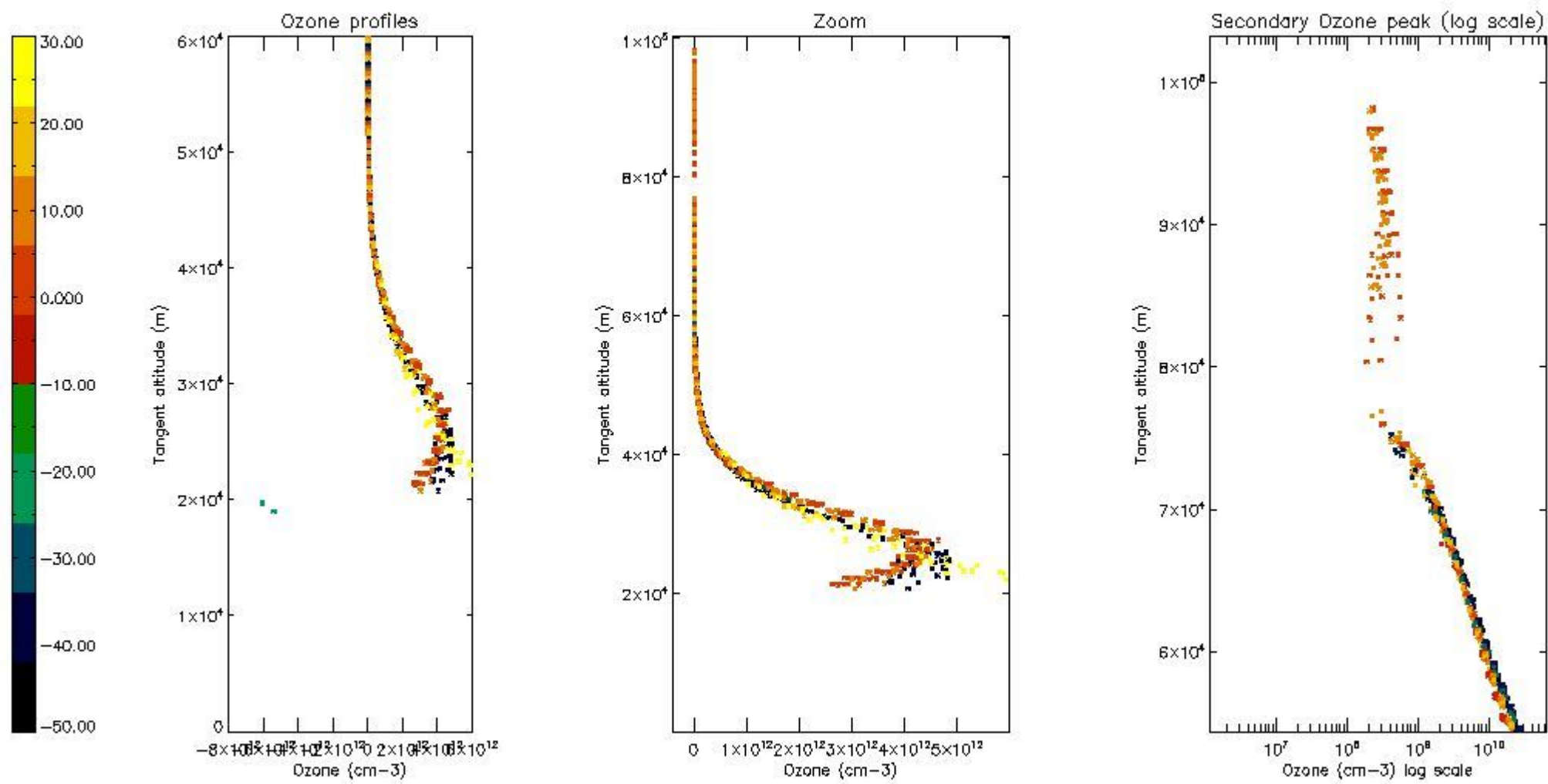
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



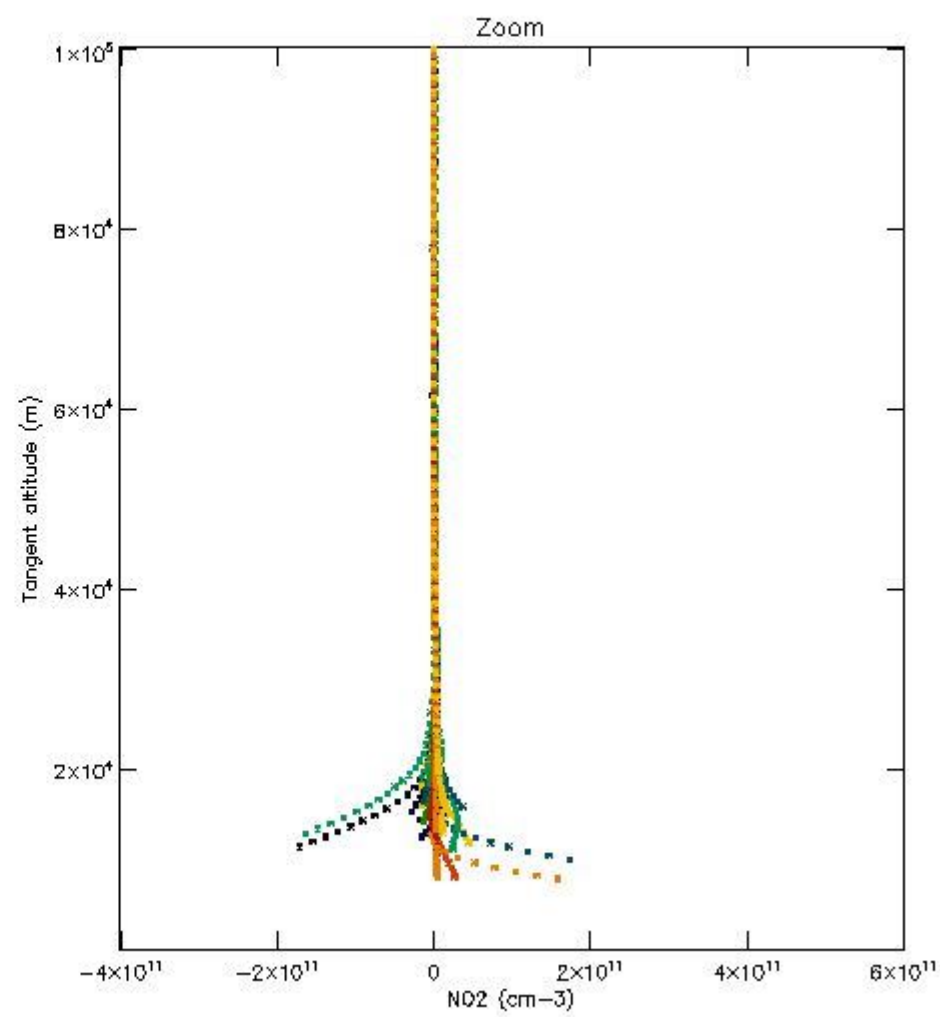
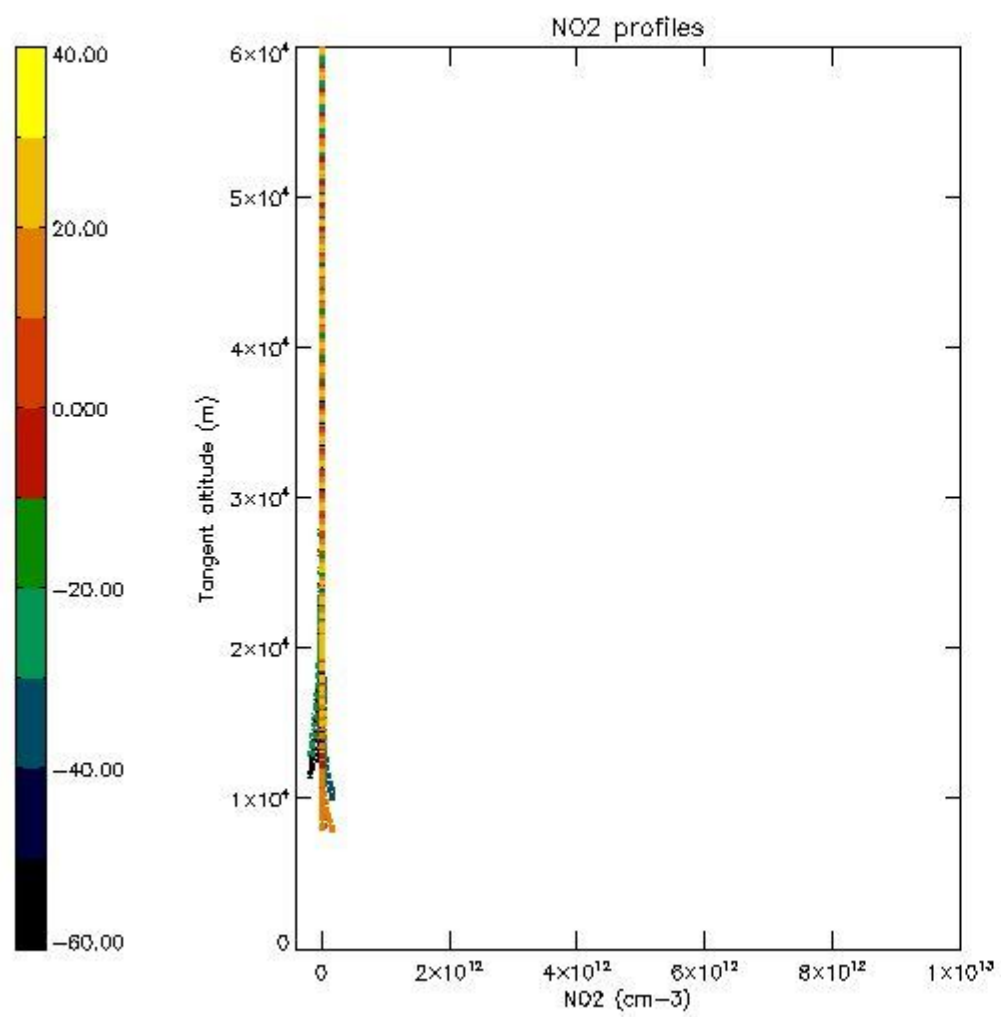
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



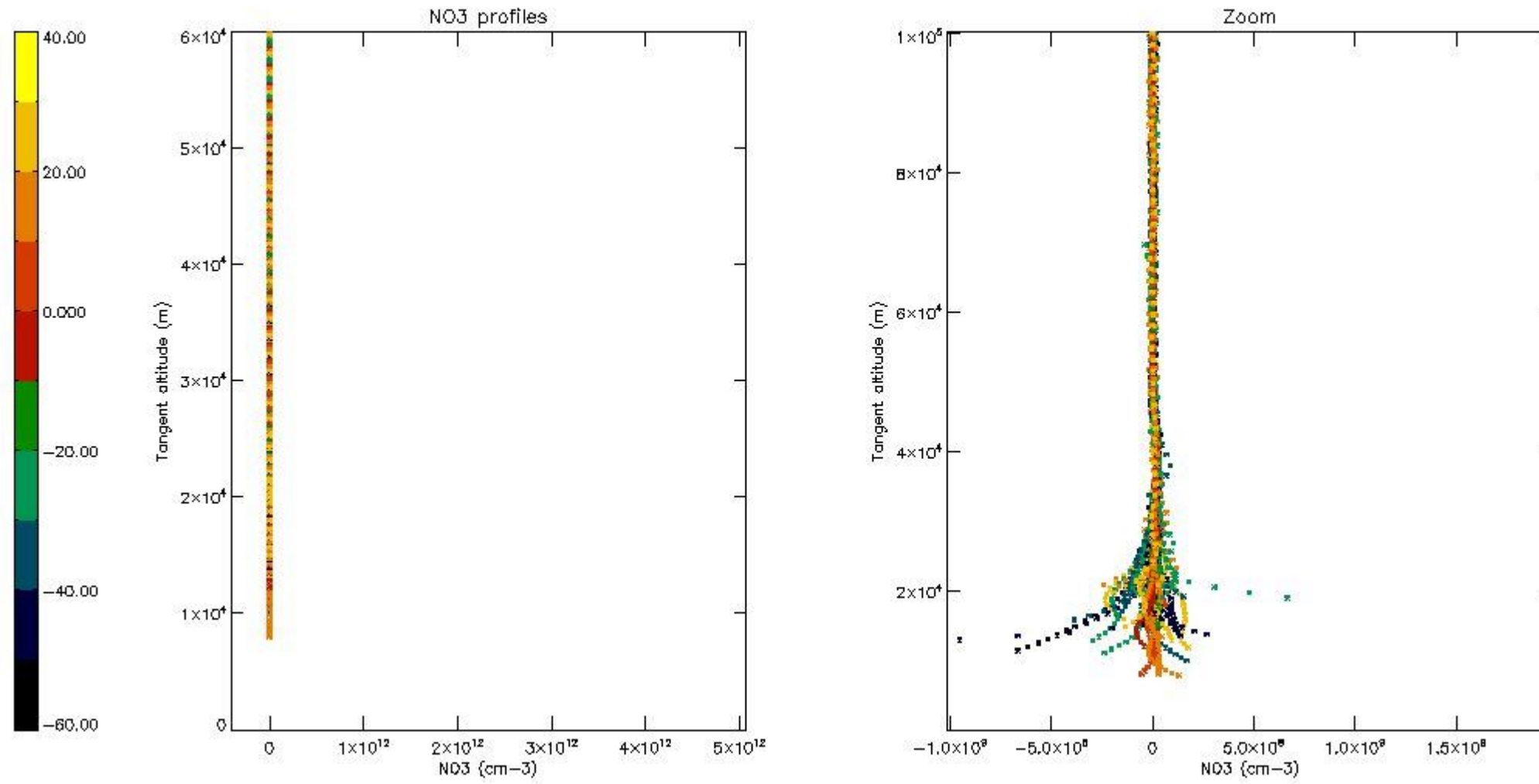
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

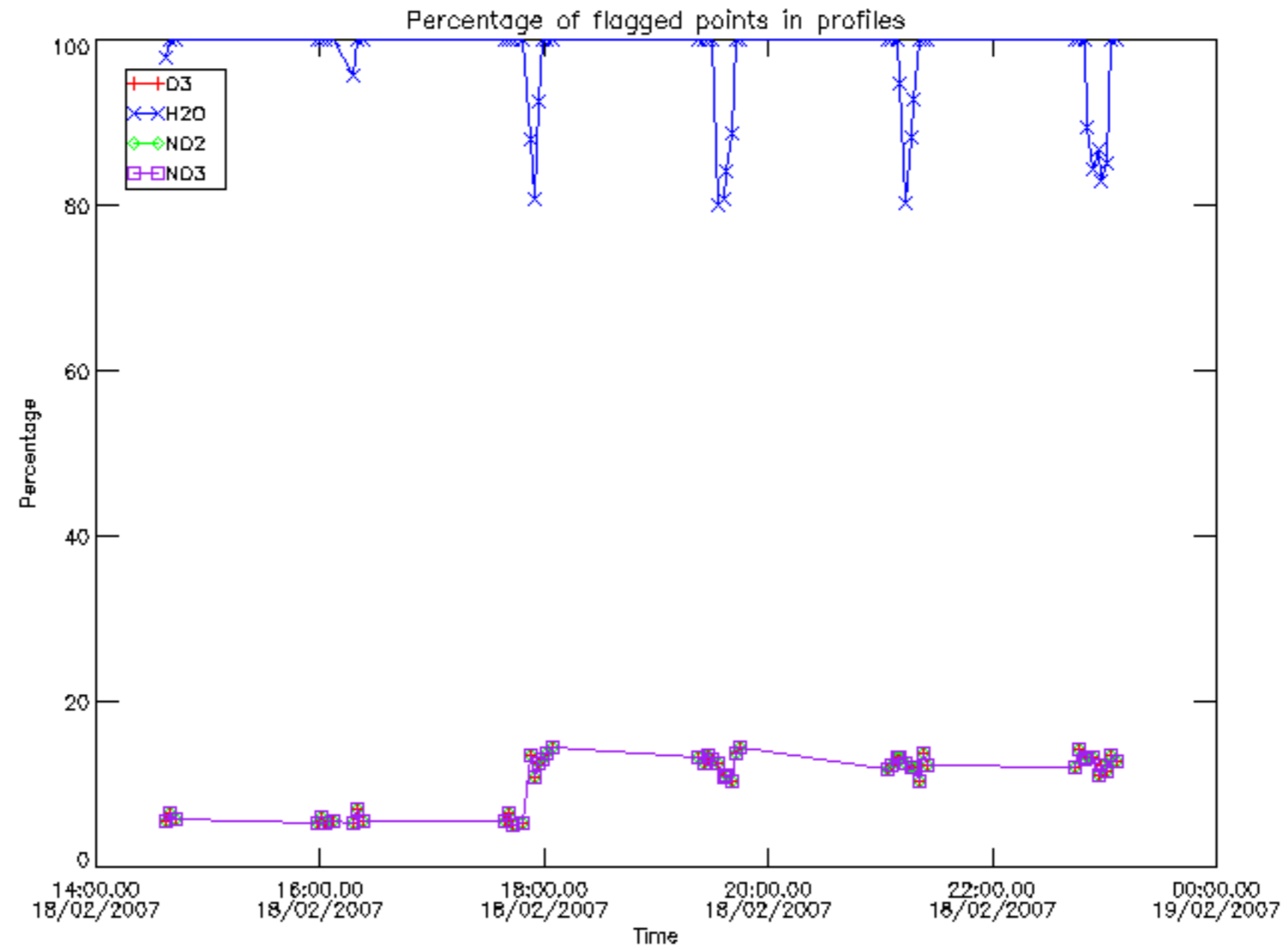
The colorbar represents the latitude.



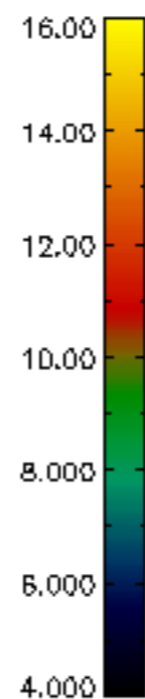
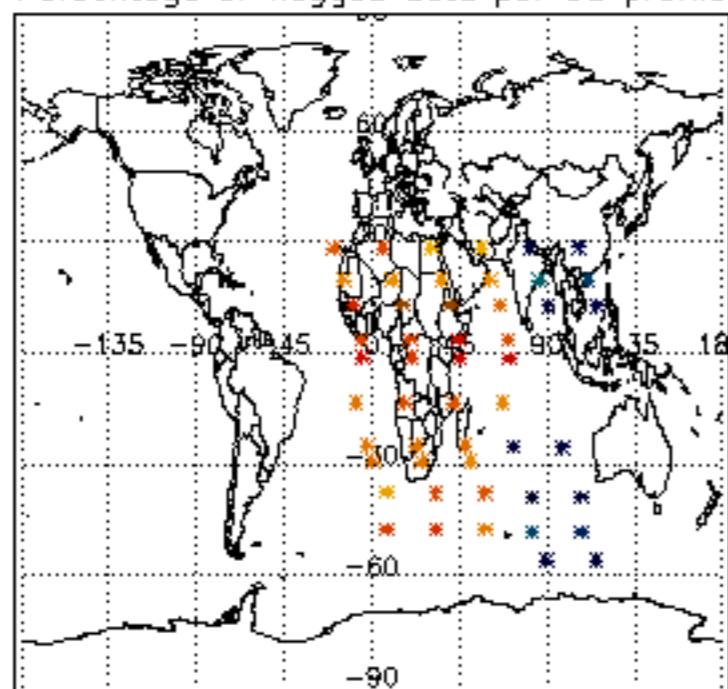
6. Auxiliary Data Files used for the production reported in section 2

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.

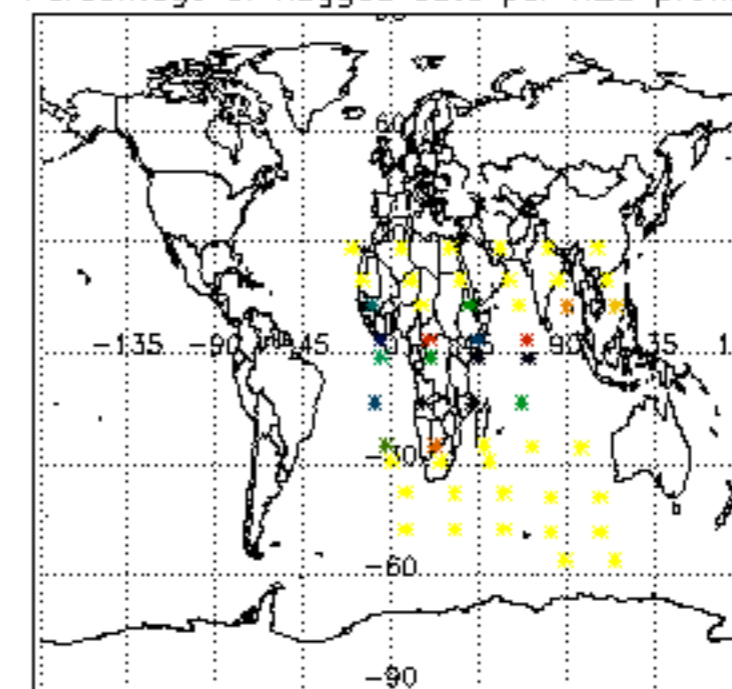
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-FEB-2007 14:37:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	18-FEB-2007 14:37:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	18-FEB-2007 14:37:24



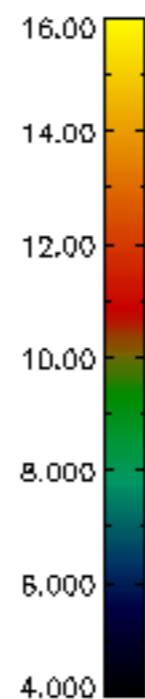
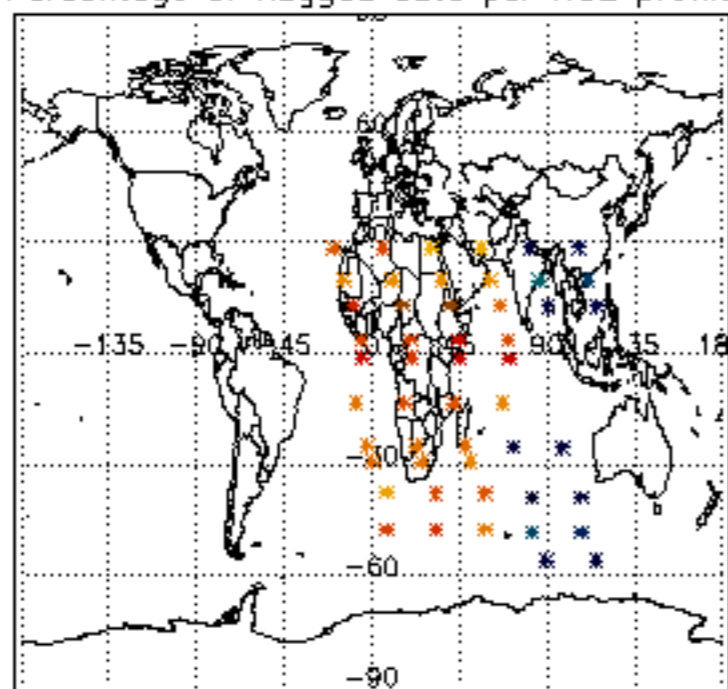
Percentage of flagged data per D3 profile



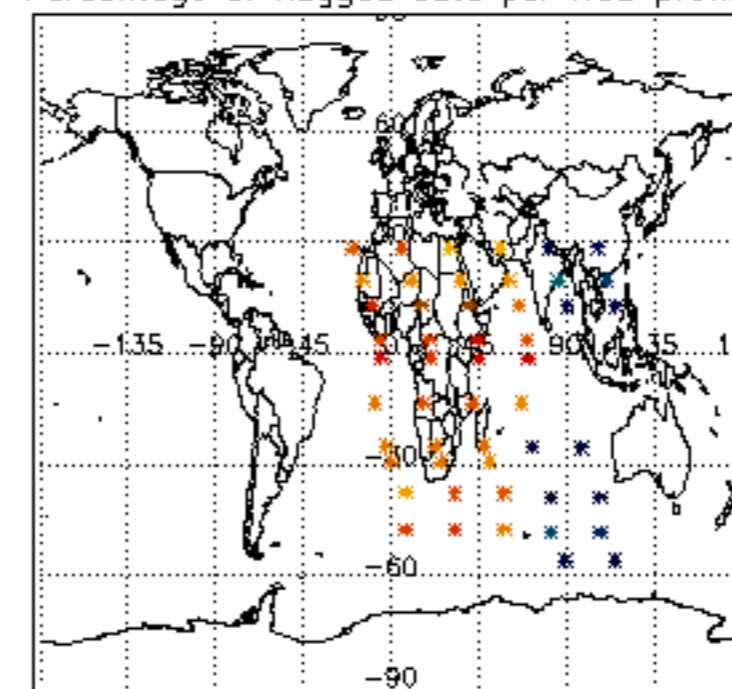
Percentage of flagged data per H2O profile

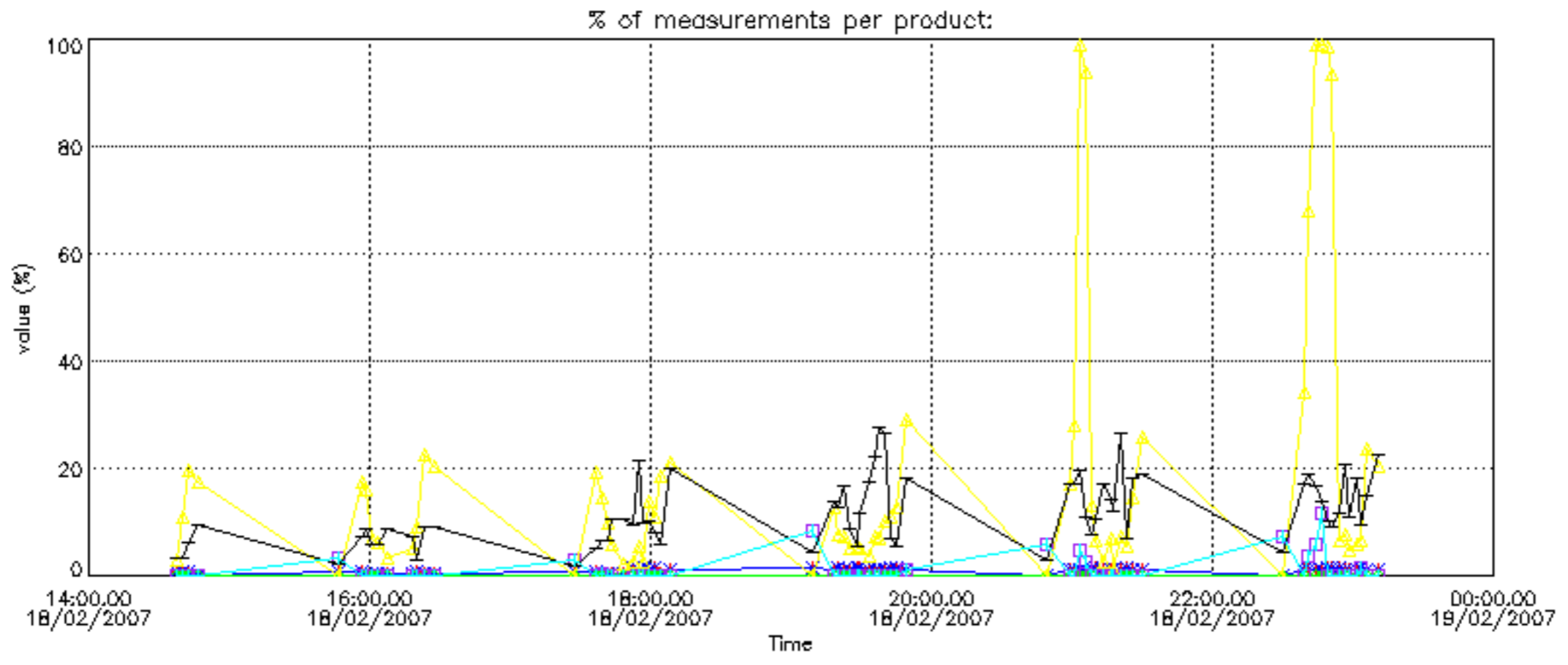


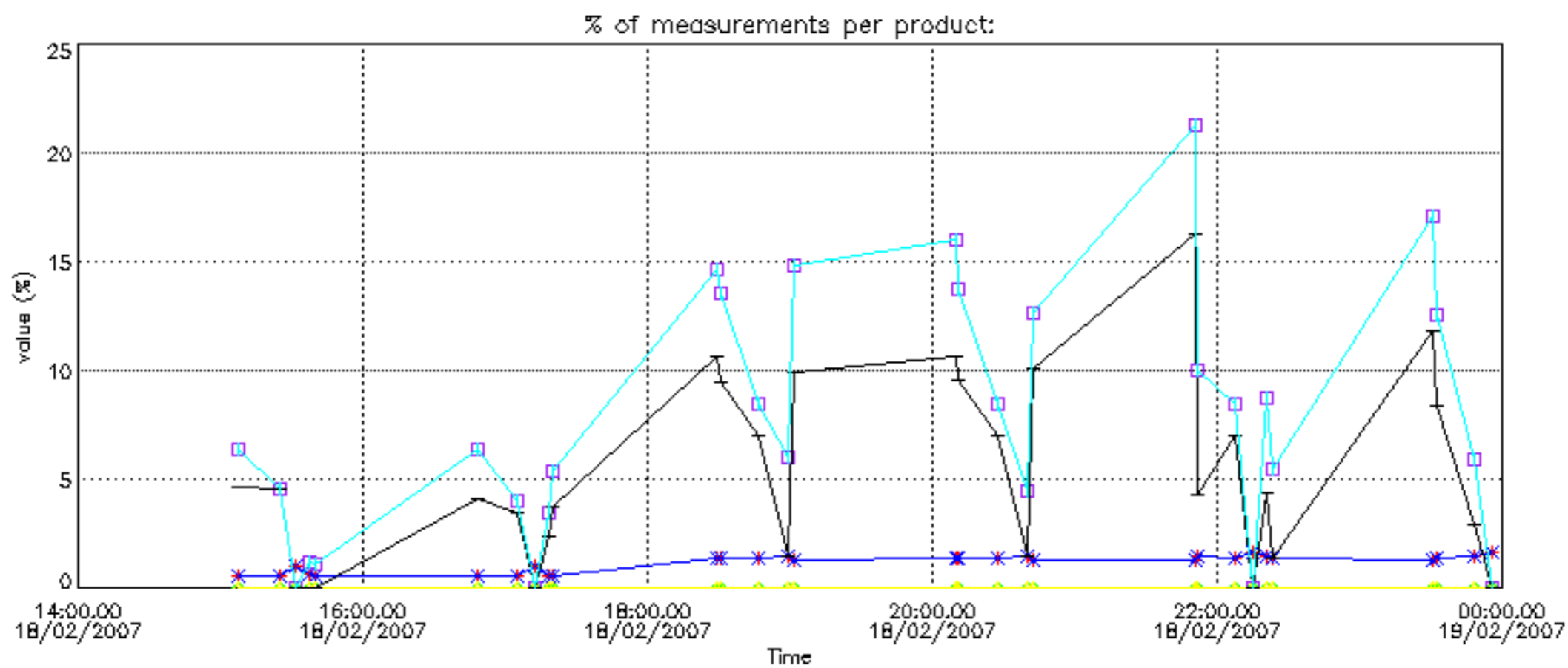
Percentage of flagged data per NO2 profile



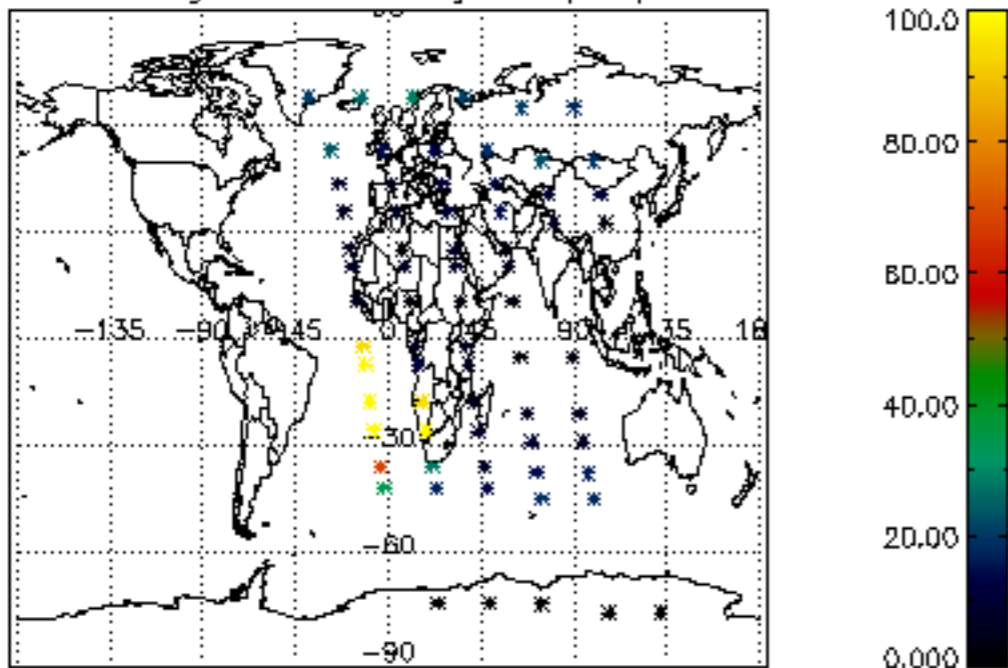
Percentage of flagged data per NO3 profile



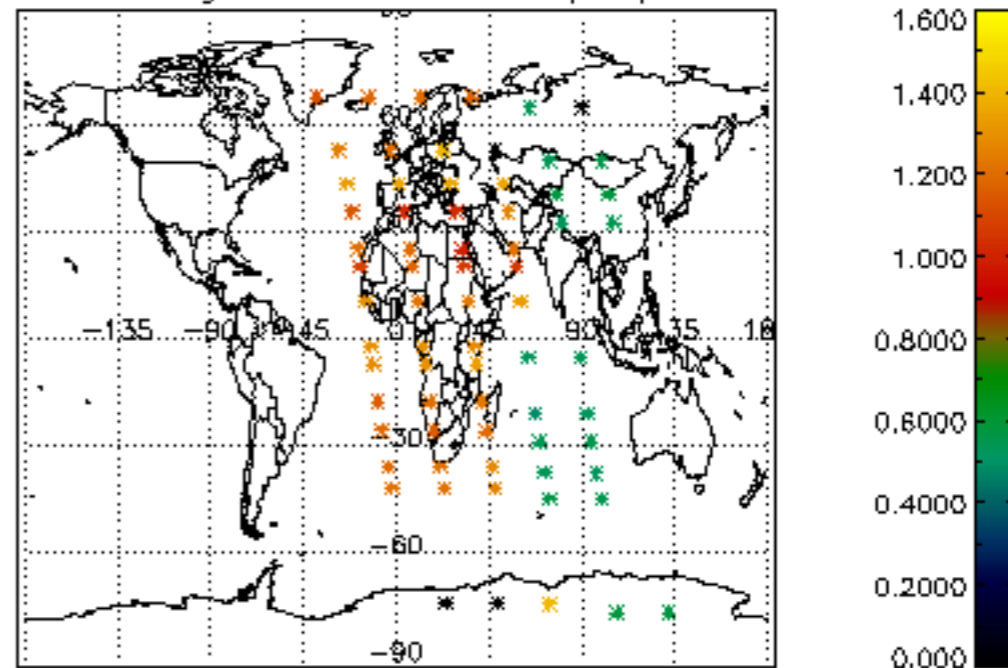




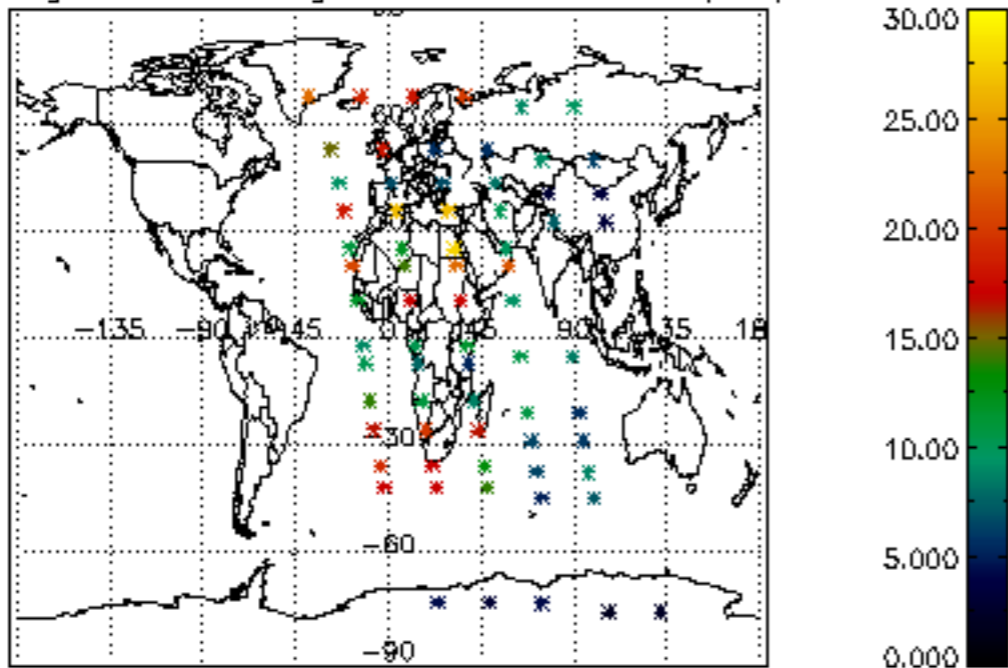
Percentage of cosmic ray hits per profile



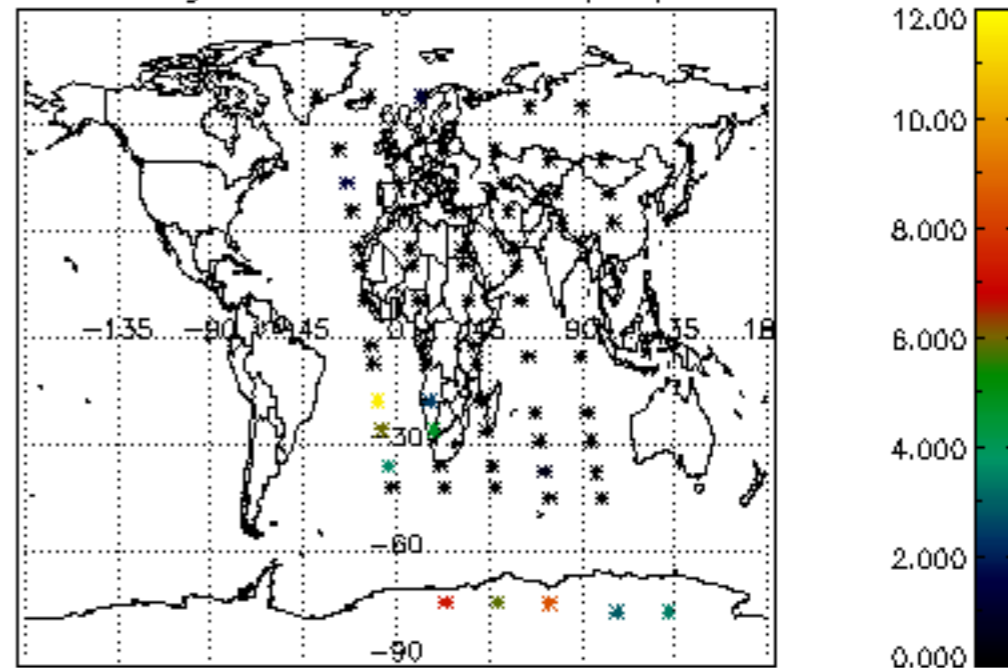
Percentage of datation errors per profile



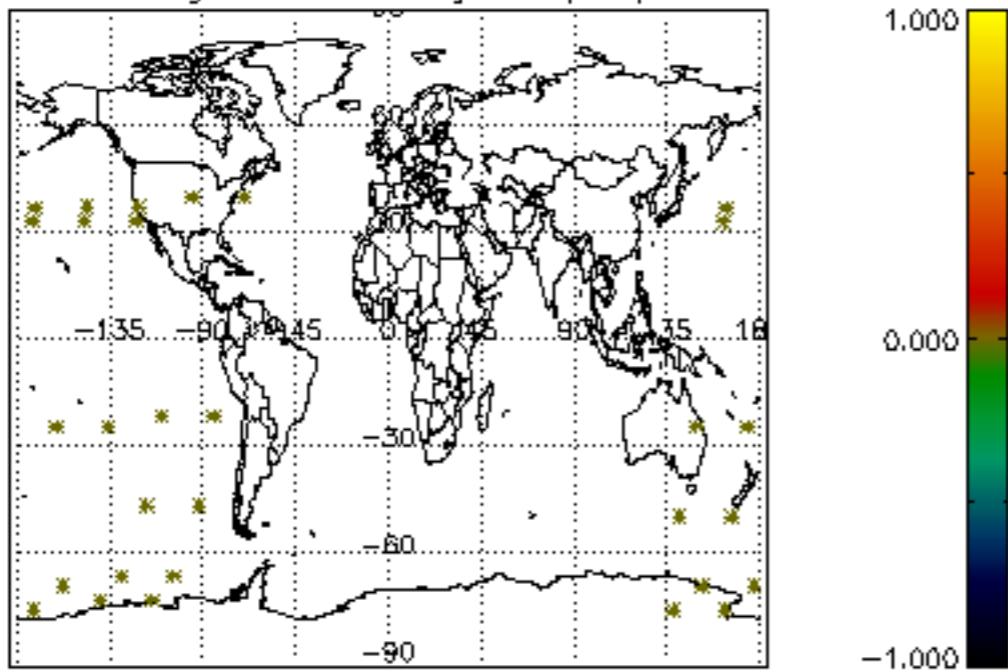
Percentage of star falling outside central band per profile



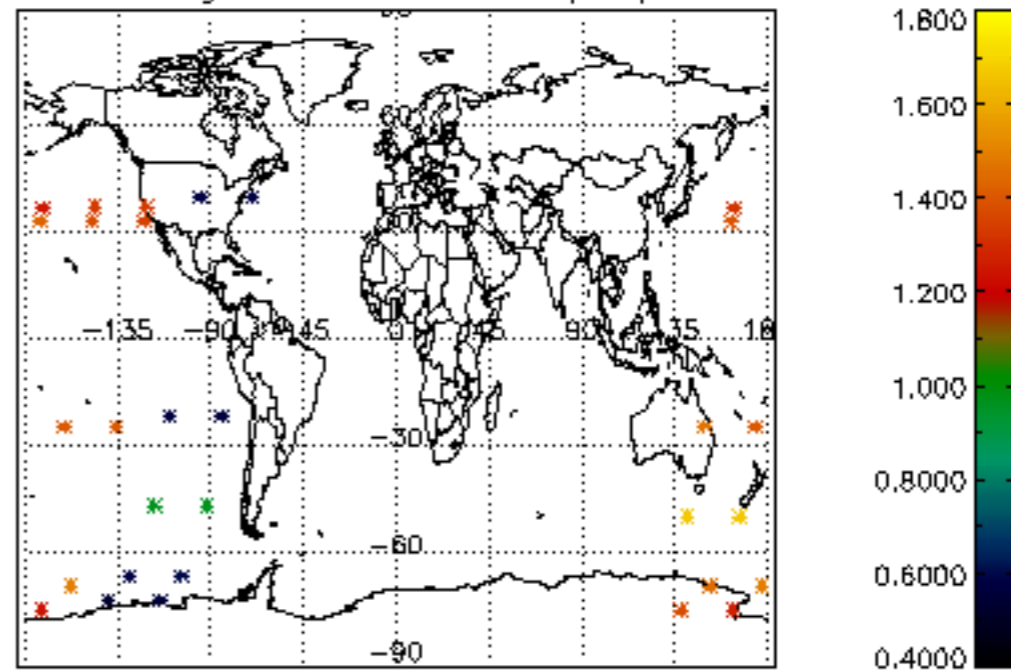
Percentage of saturation errors per profile



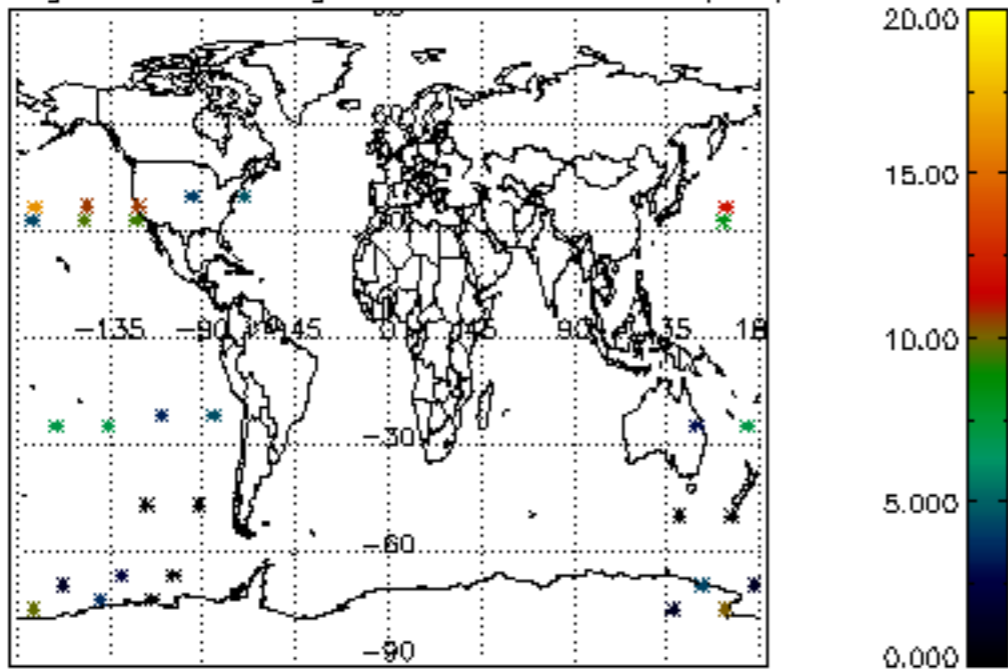
Percentage of cosmic ray hits per profile



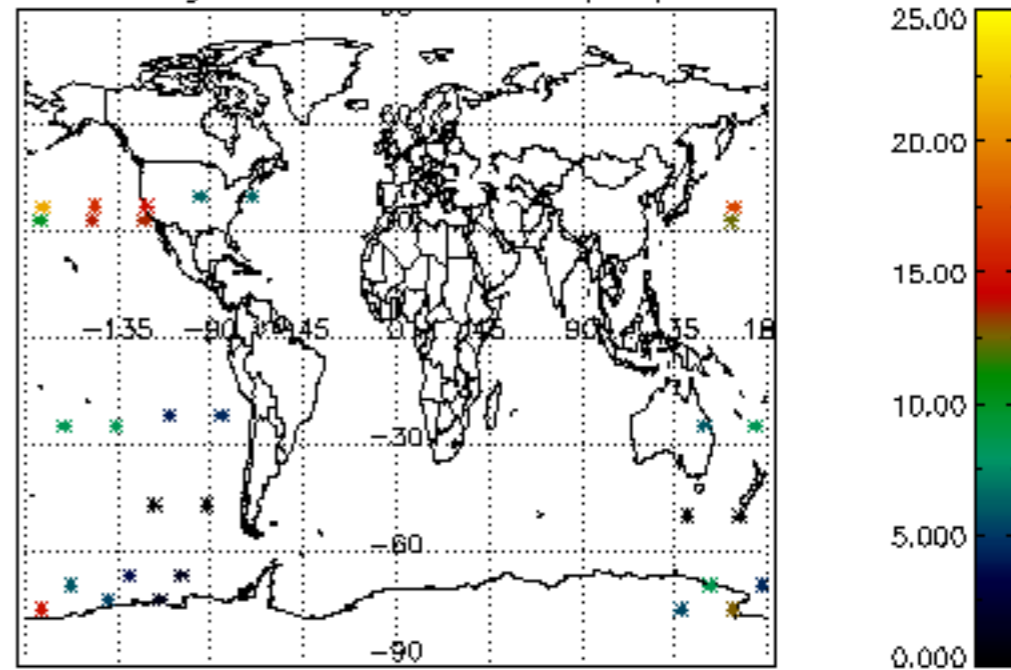
Percentage of datation errors per profile

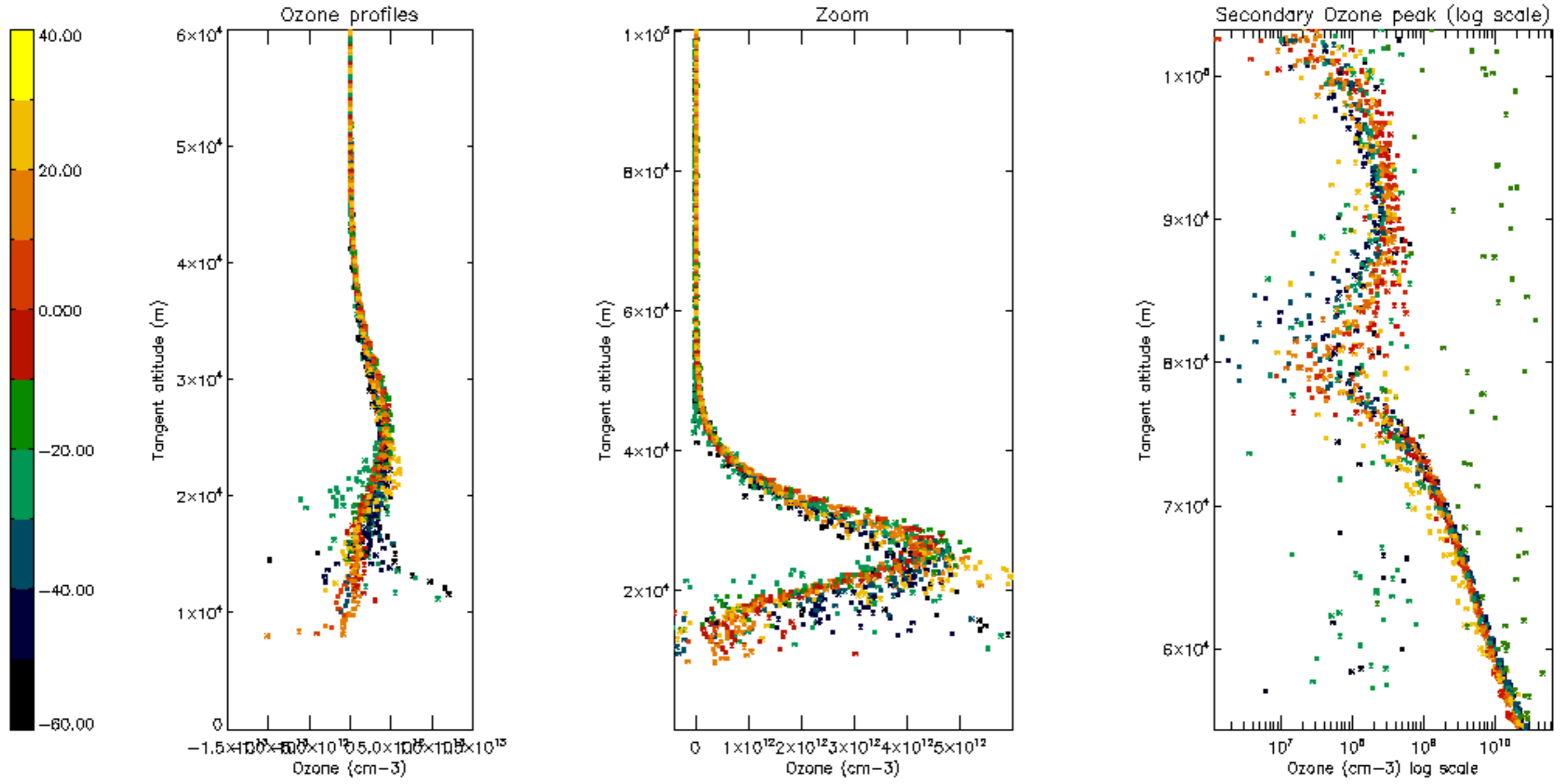


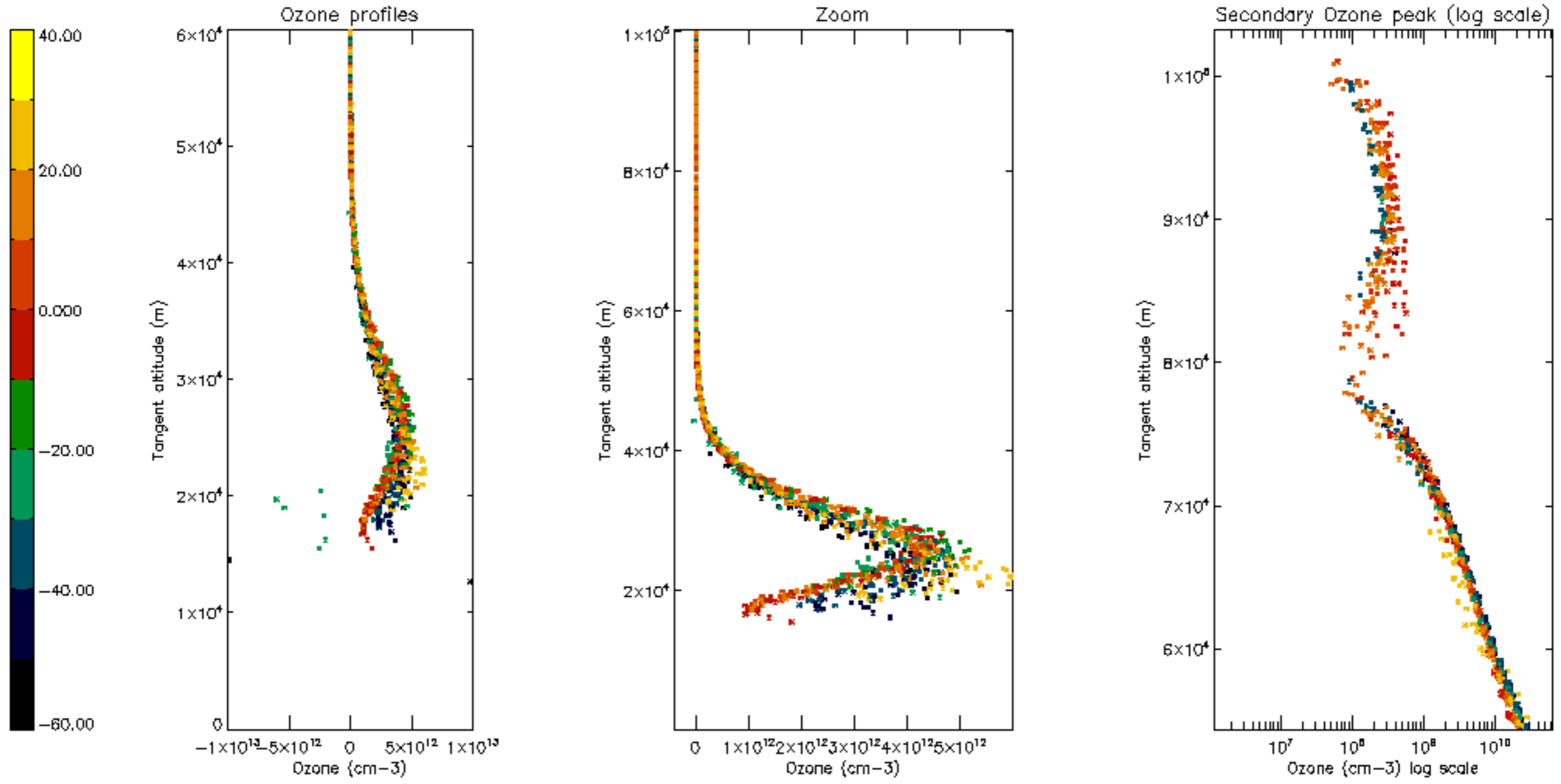
Percentage of star falling outside central band per profile

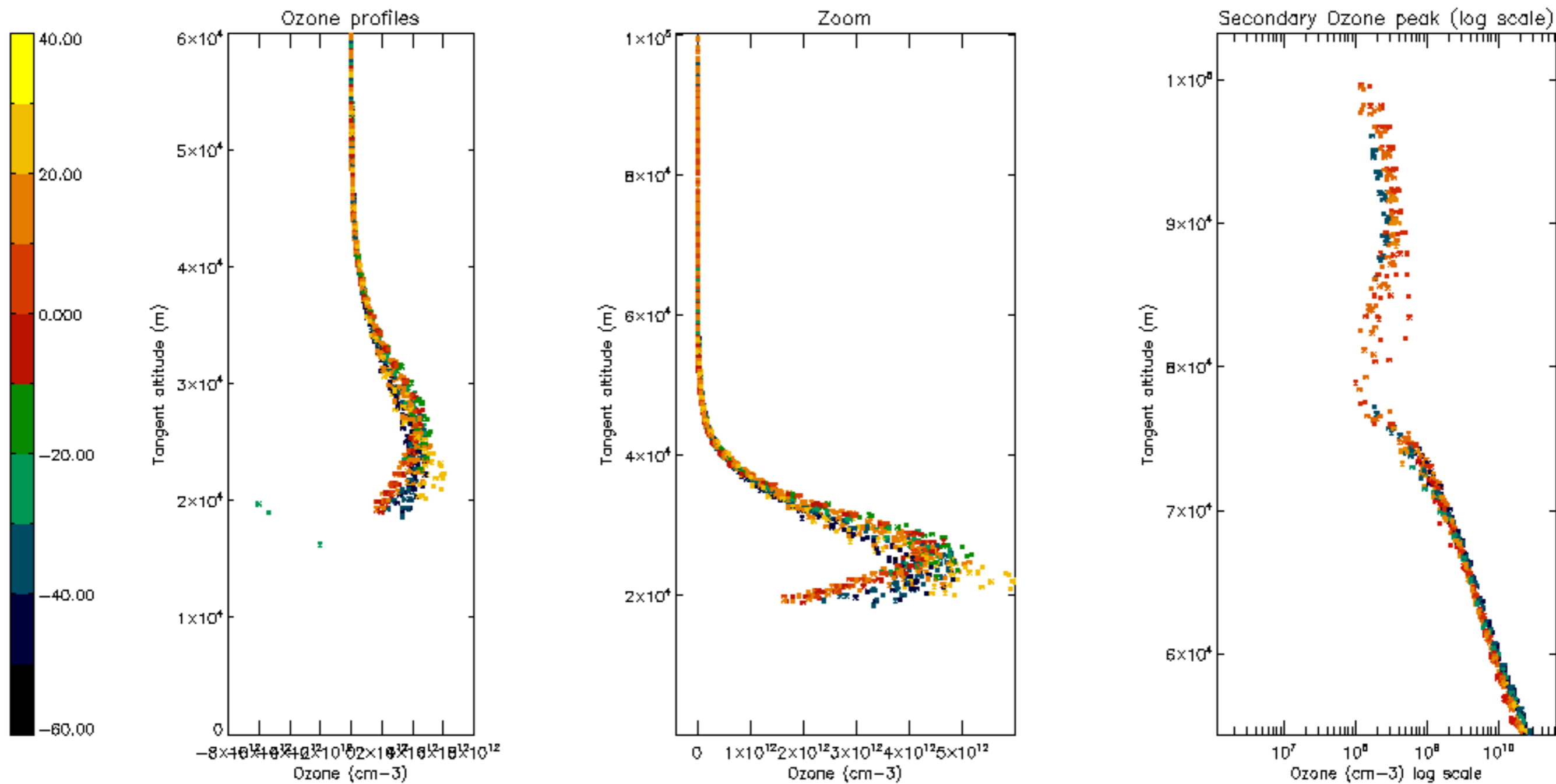


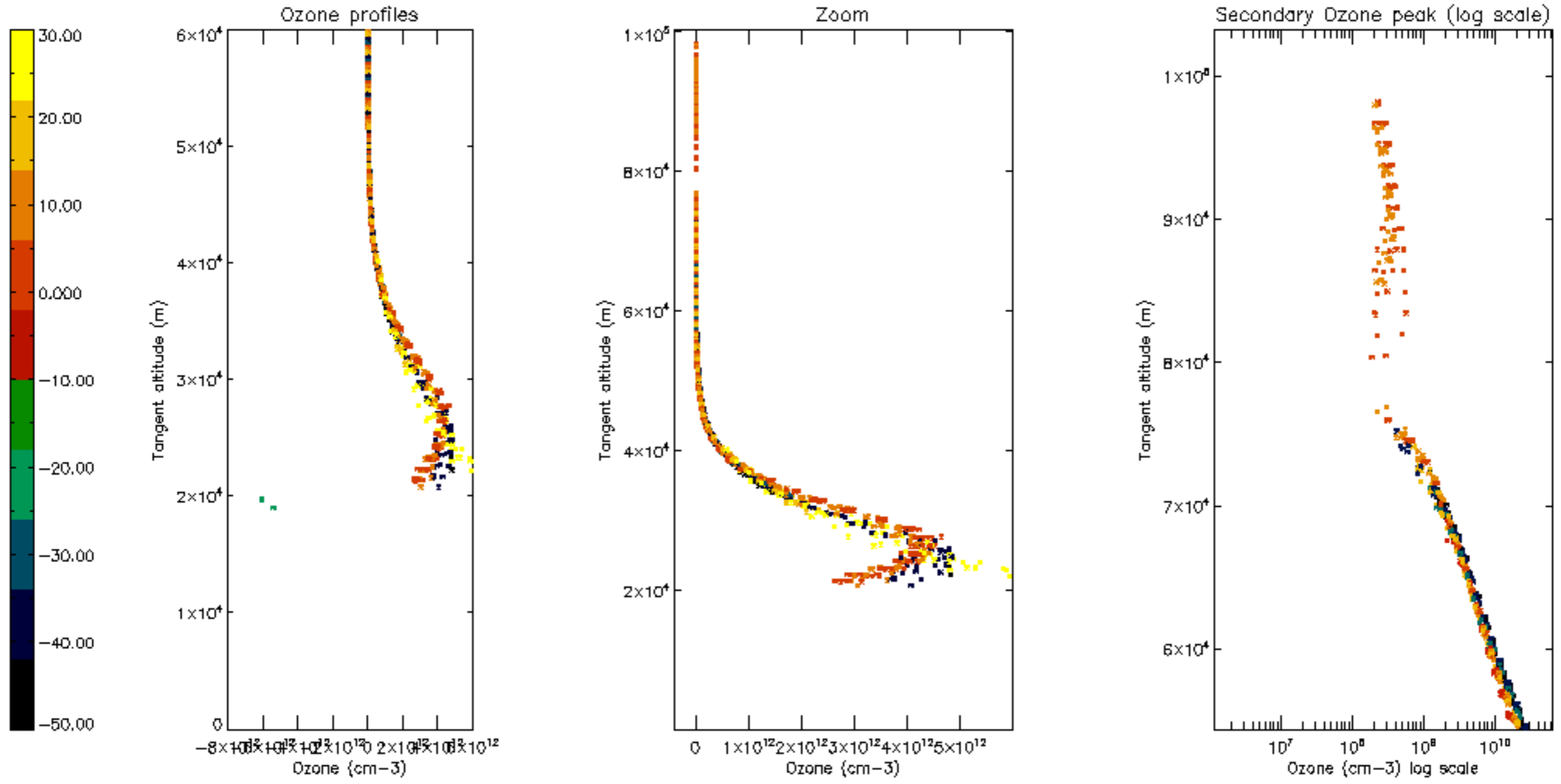
Percentage of saturation errors per profile

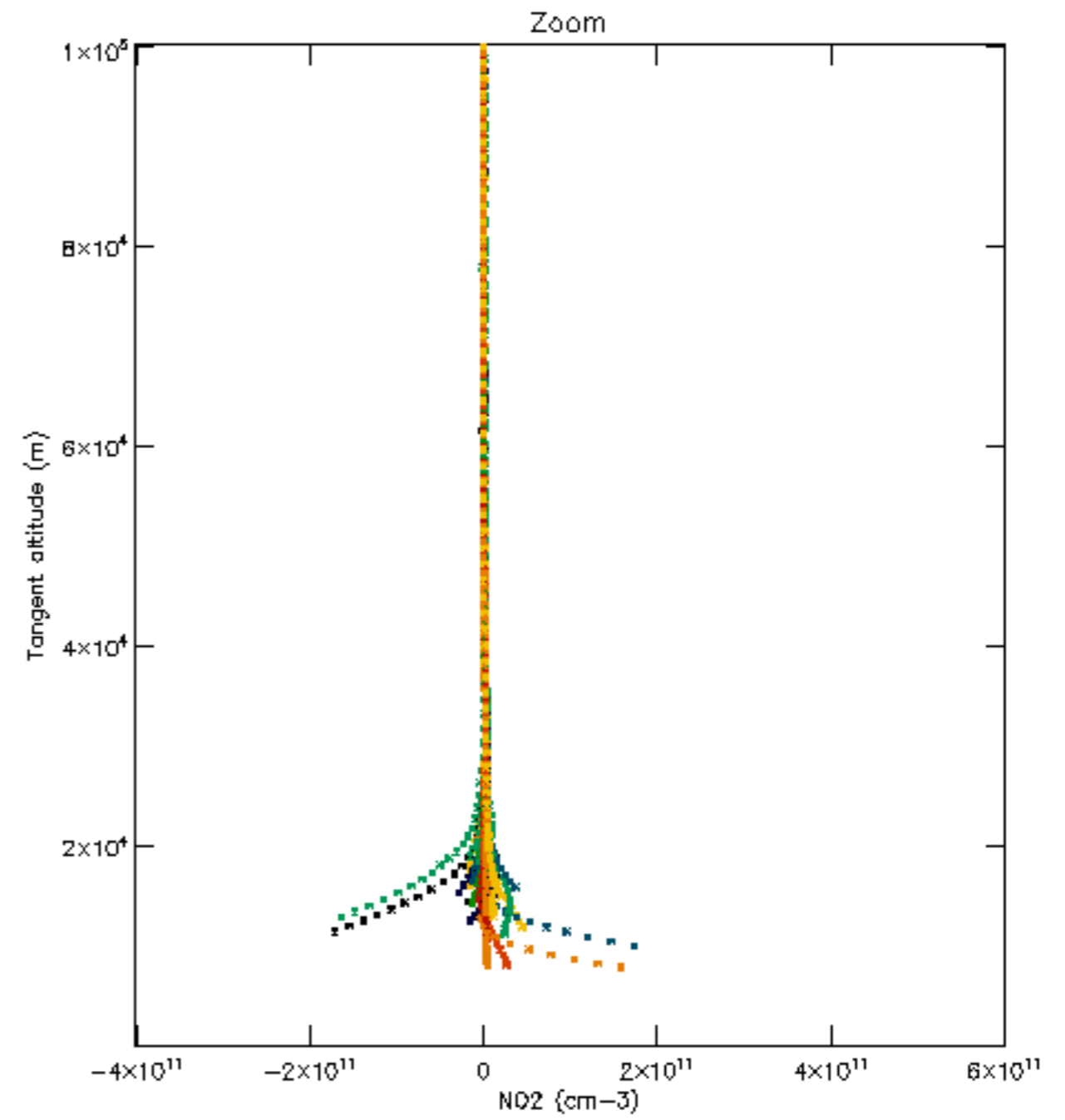
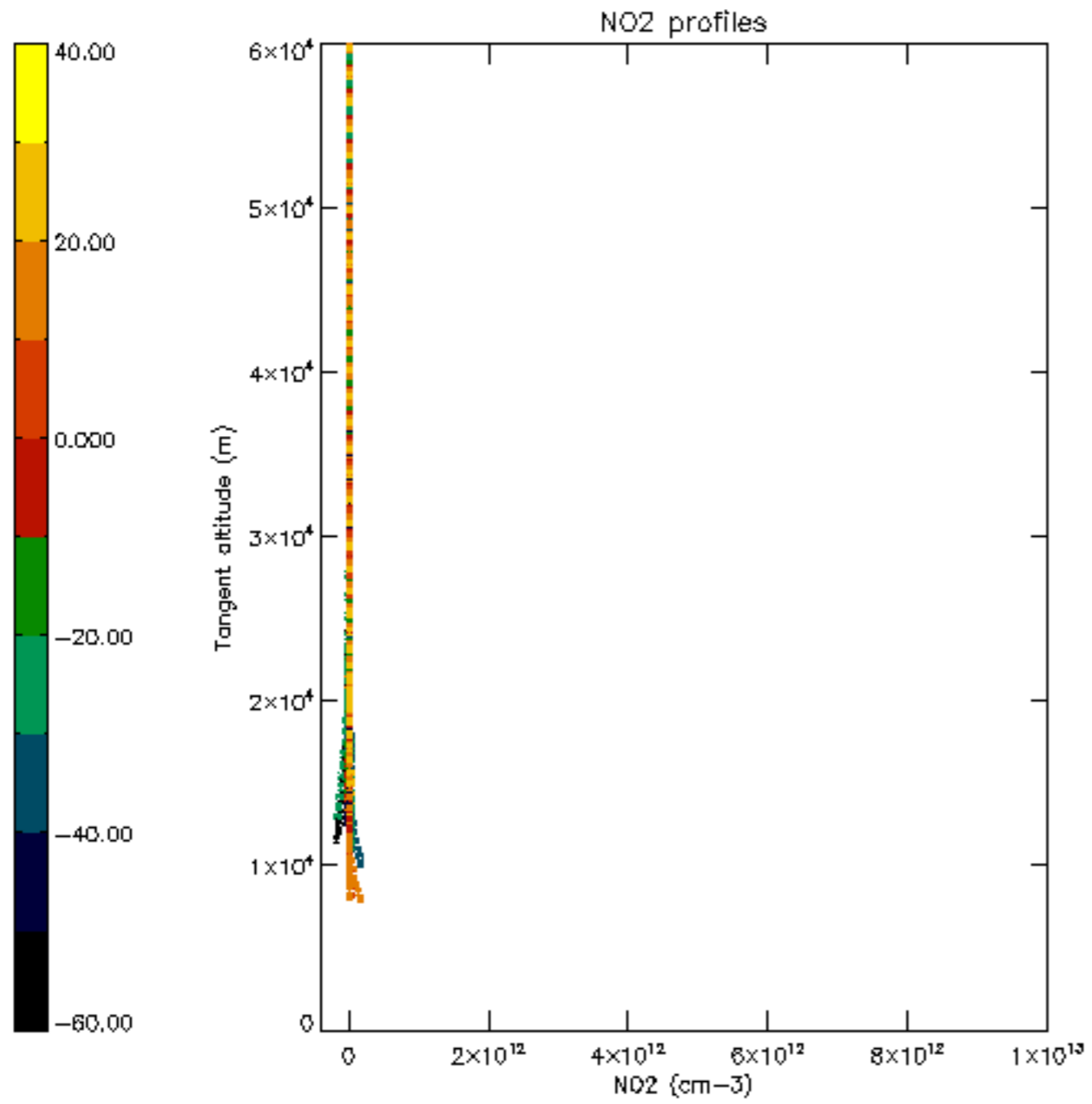


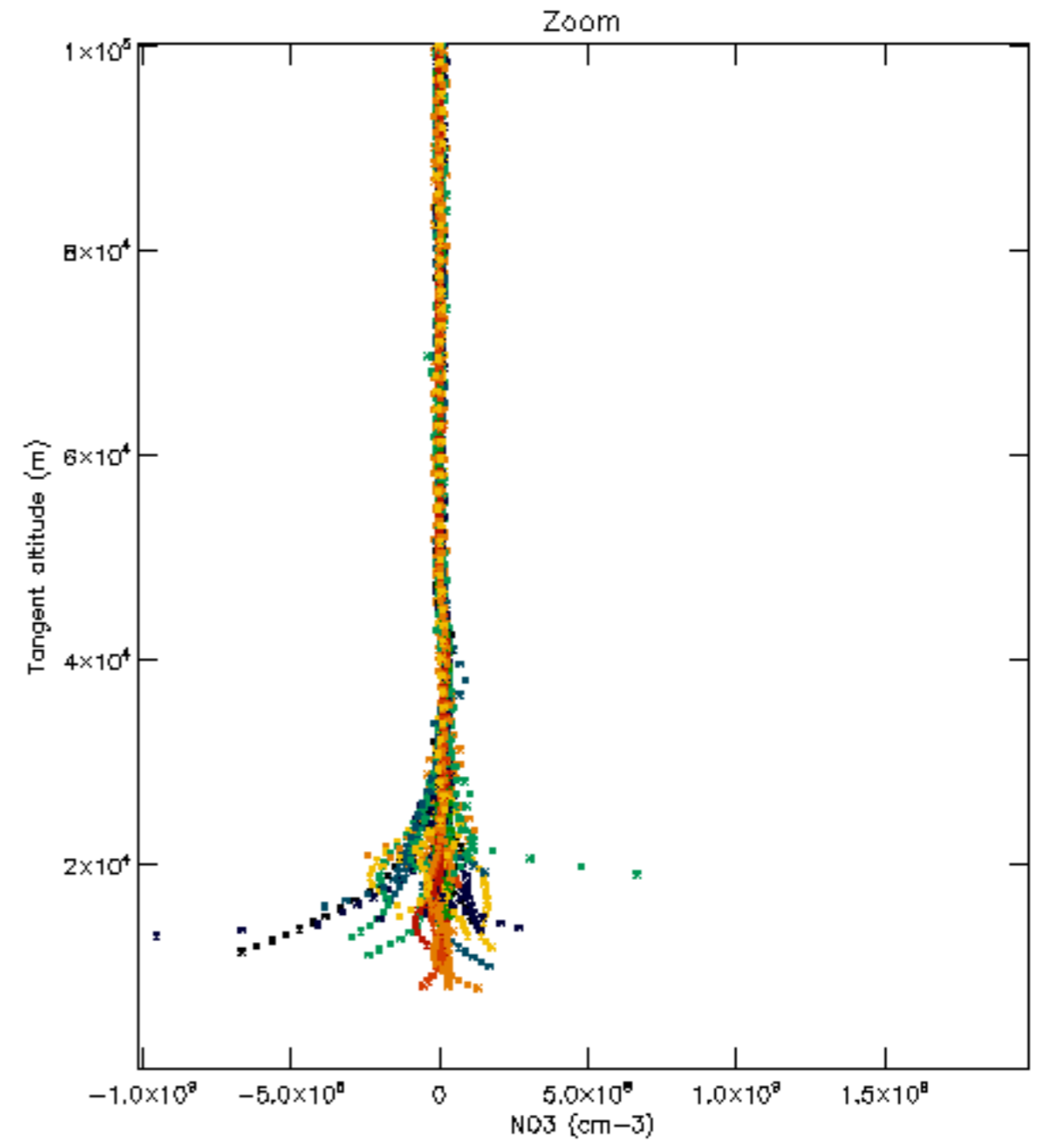
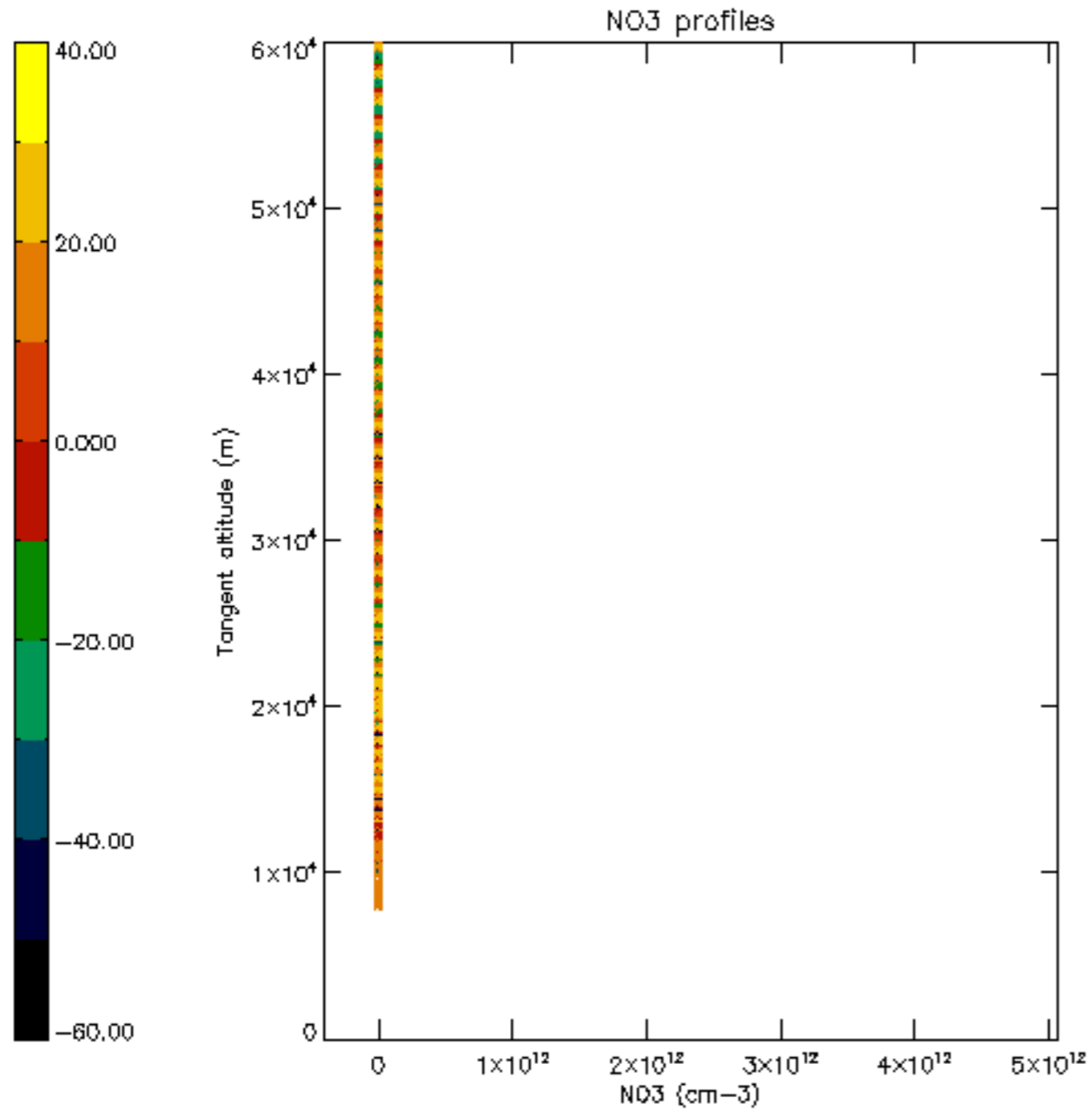


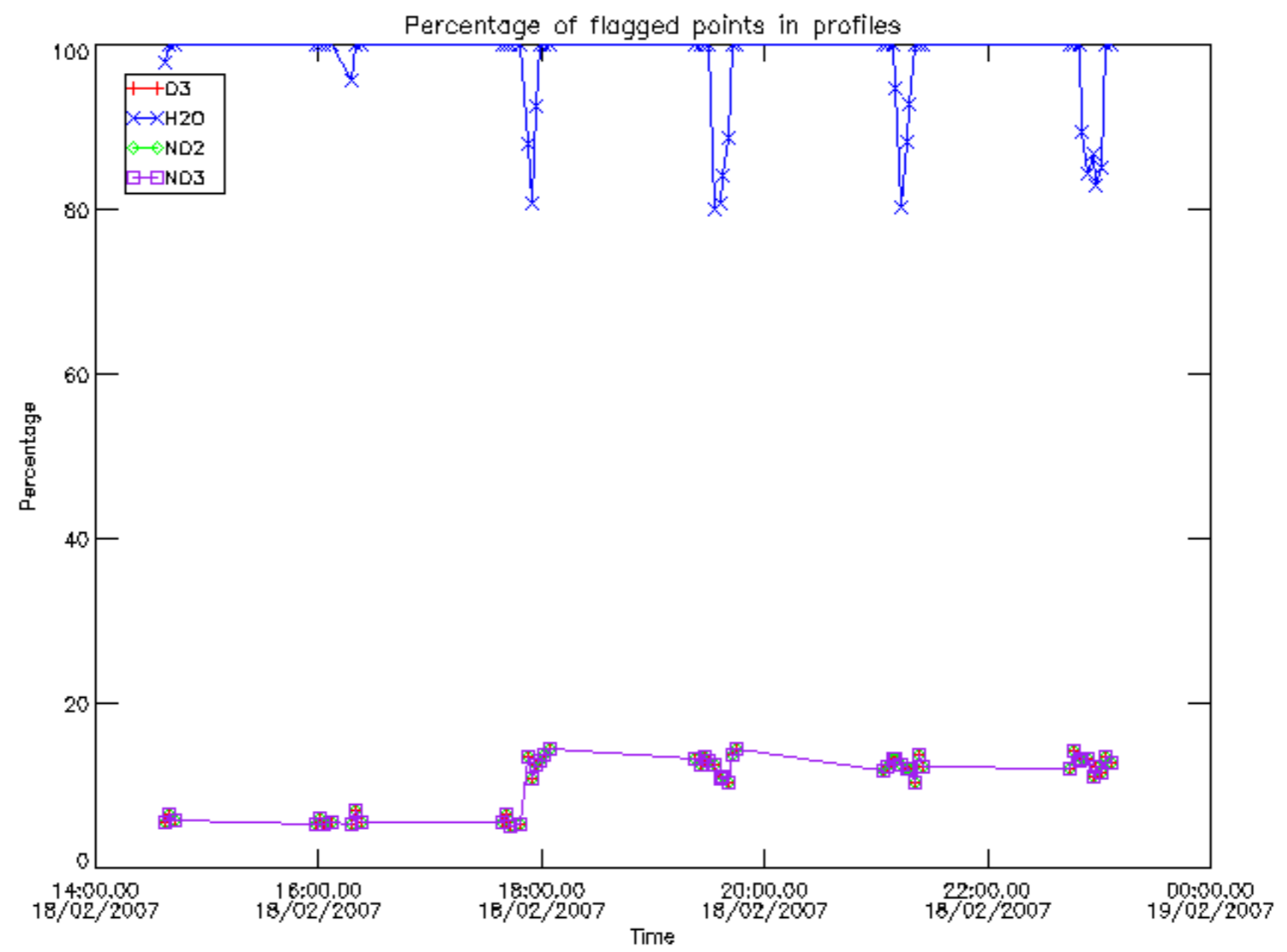




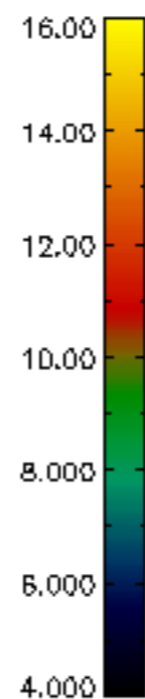
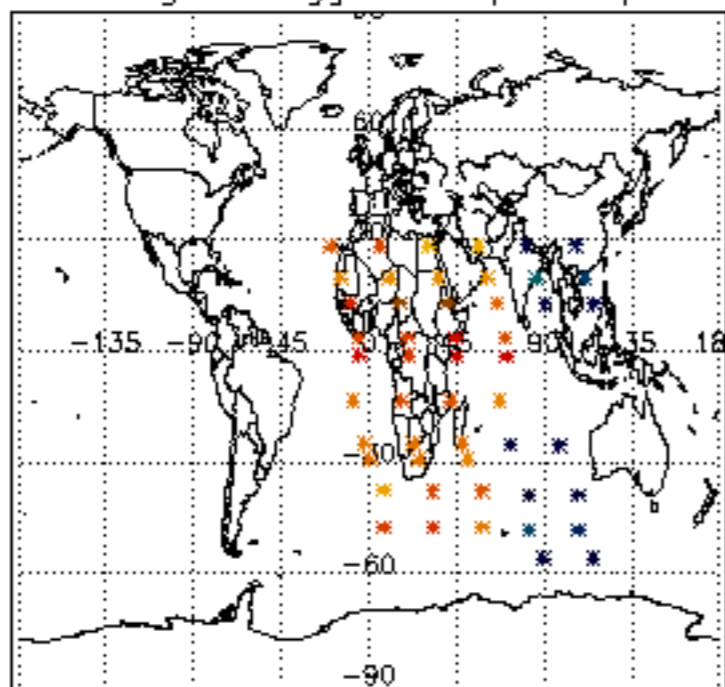




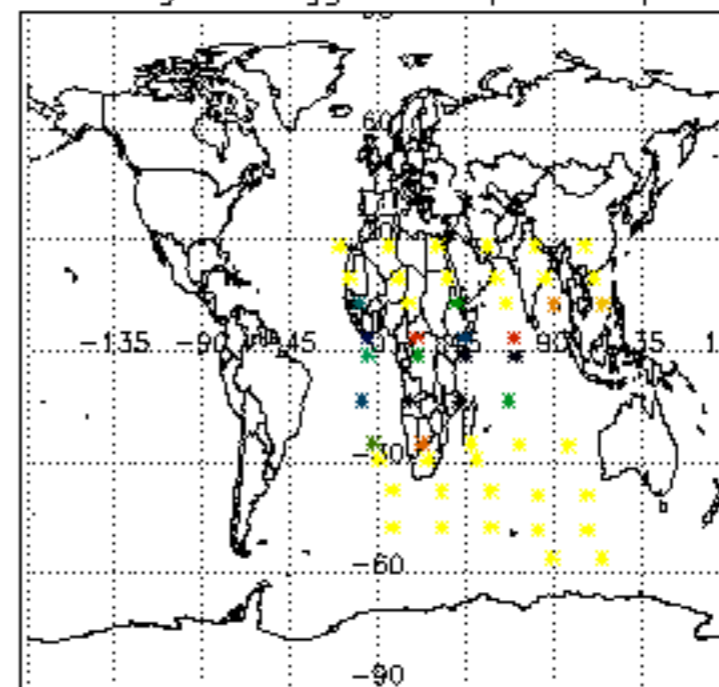




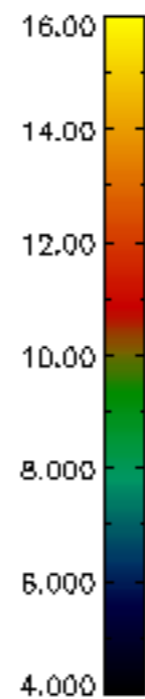
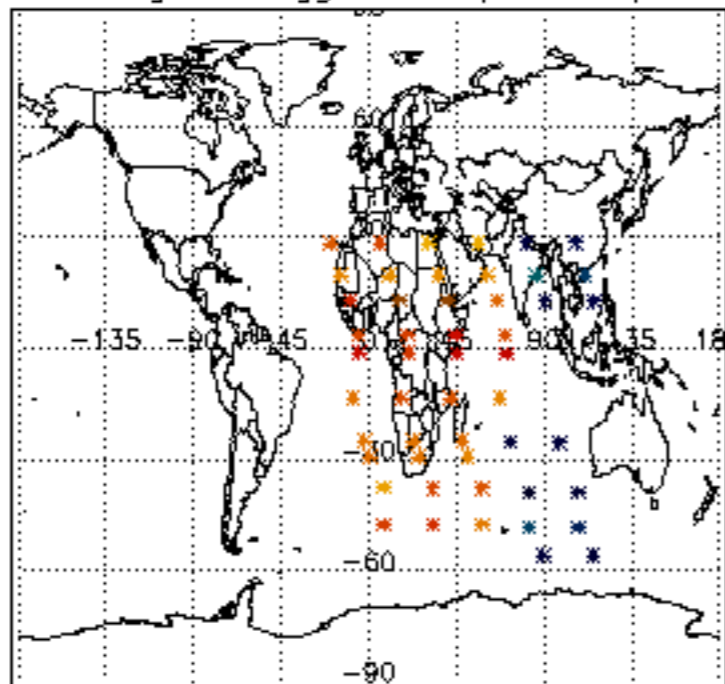
Percentage of flagged data per D3 profile



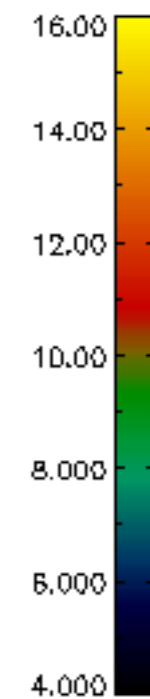
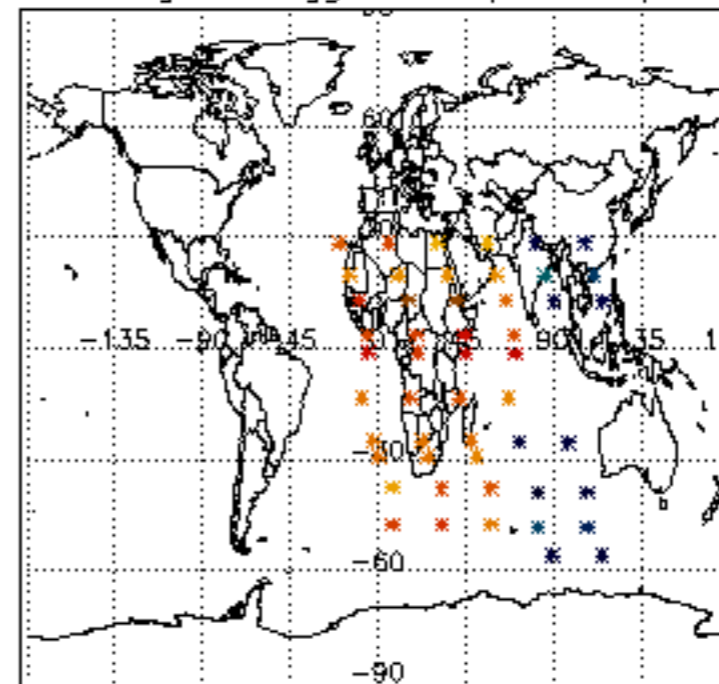
Percentage of flagged data per H2O profile

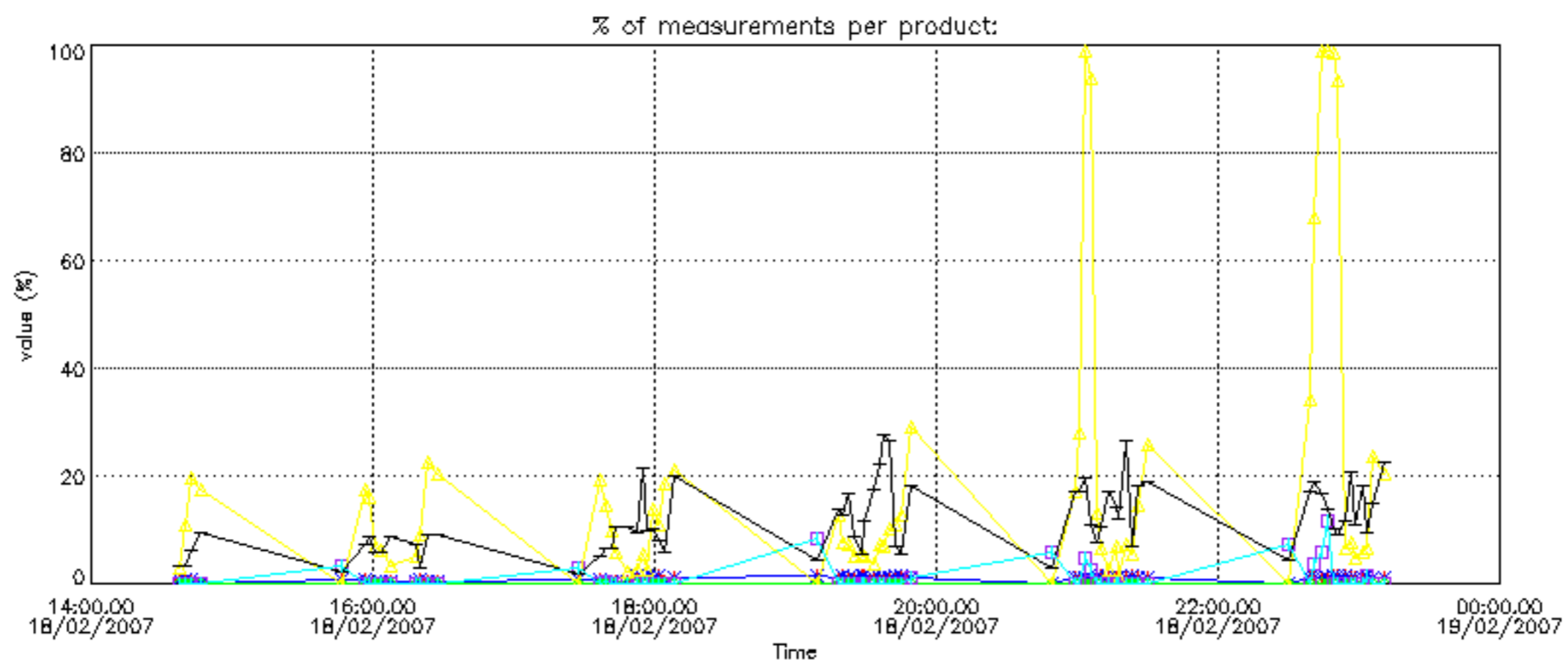


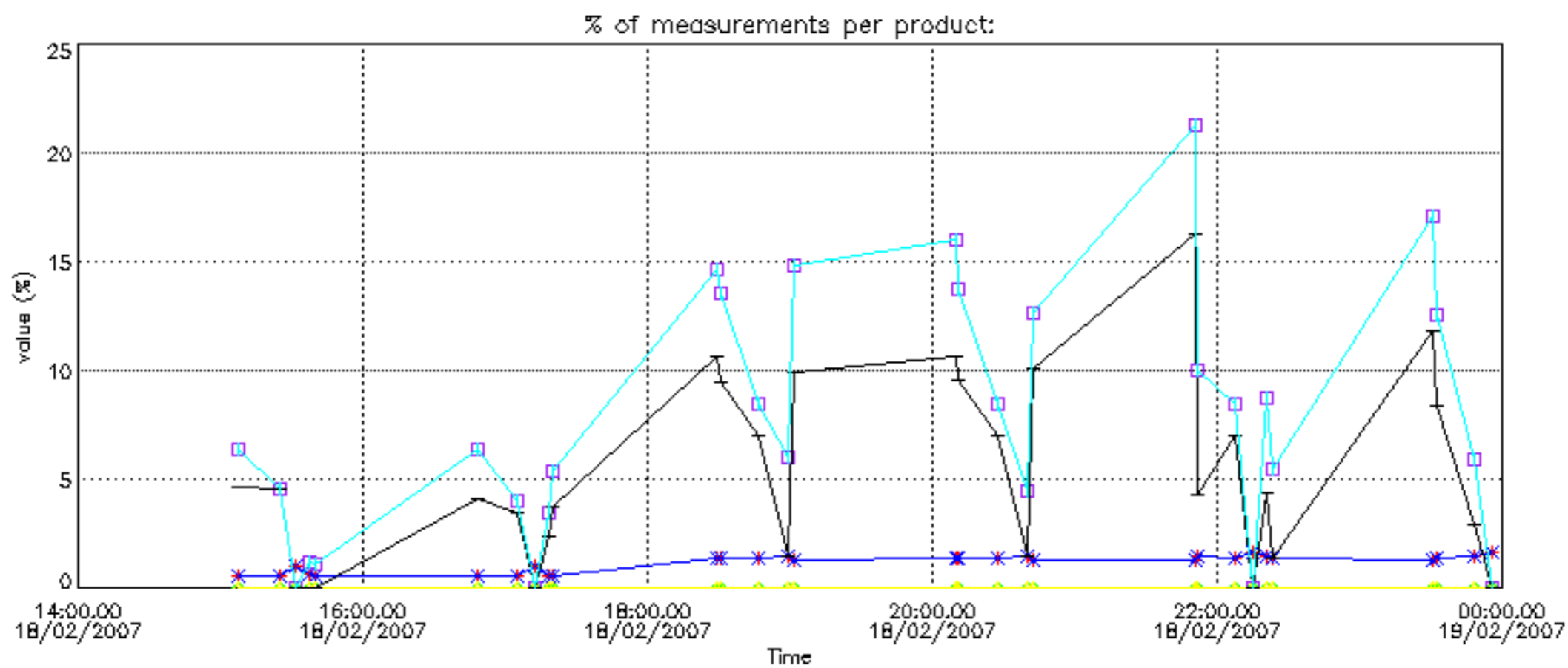
Percentage of flagged data per NO2 profile



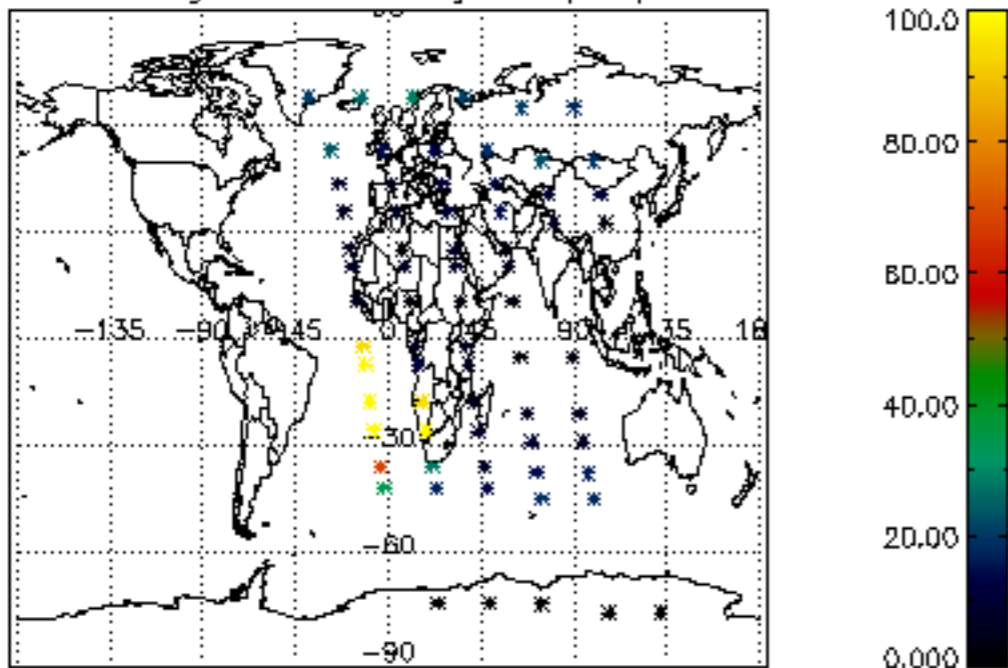
Percentage of flagged data per NO3 profile



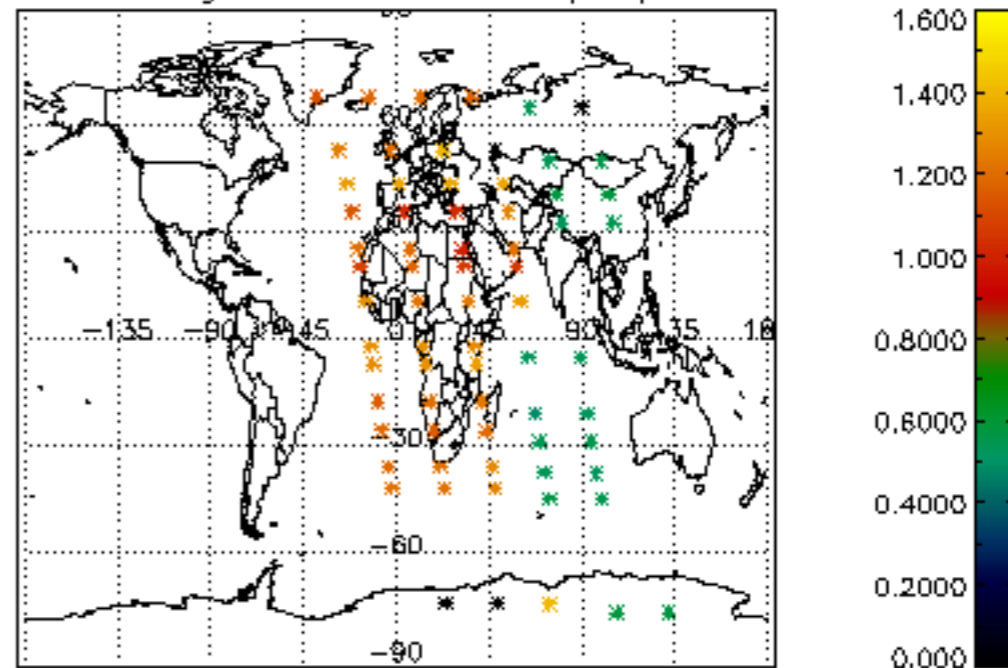




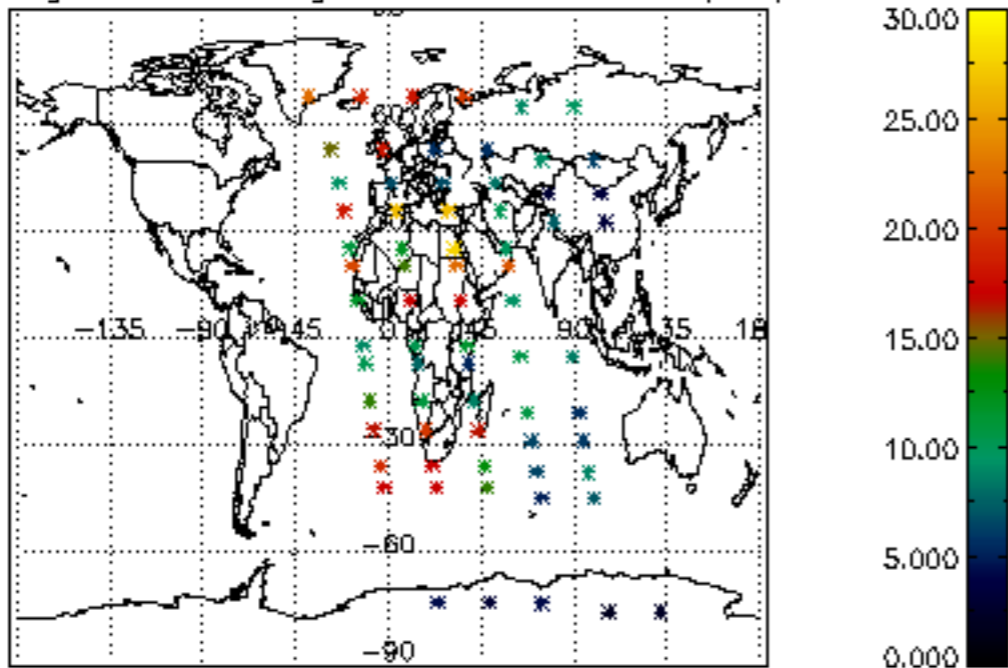
Percentage of cosmic ray hits per profile



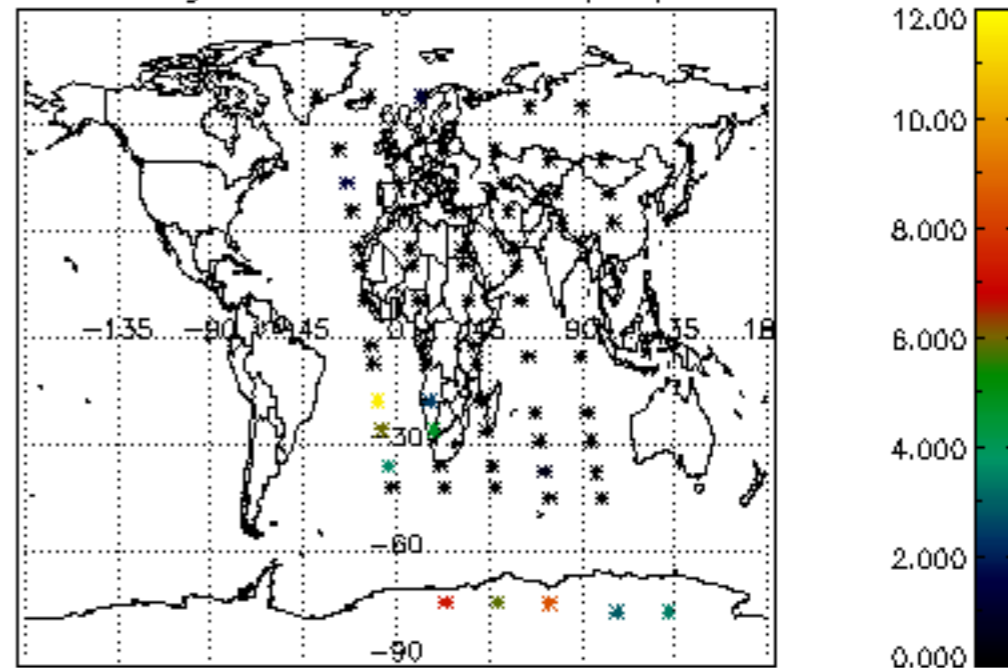
Percentage of datation errors per profile



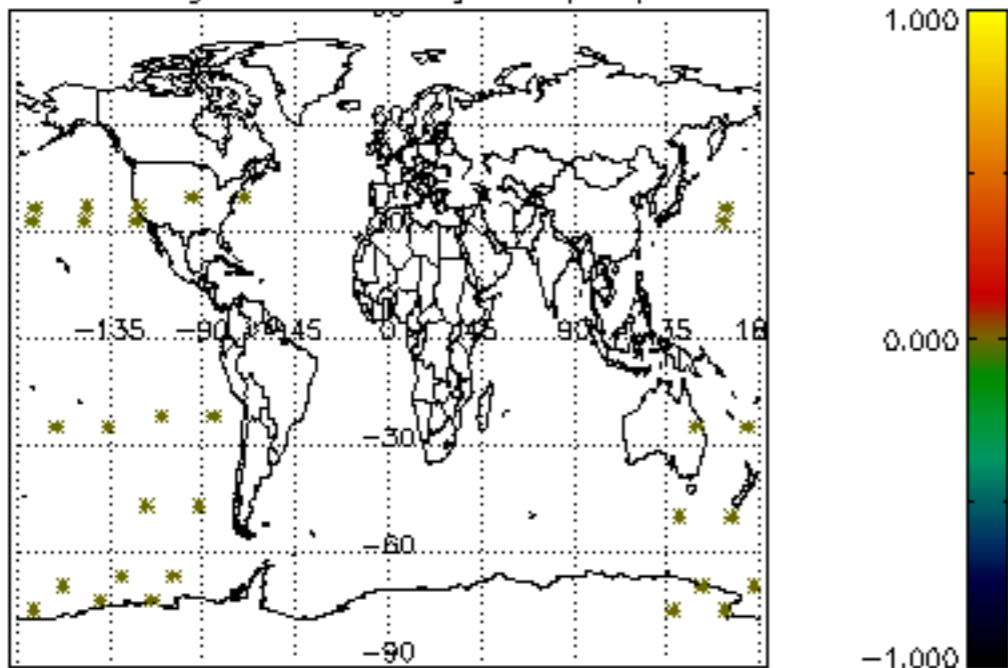
Percentage of star falling outside central band per profile



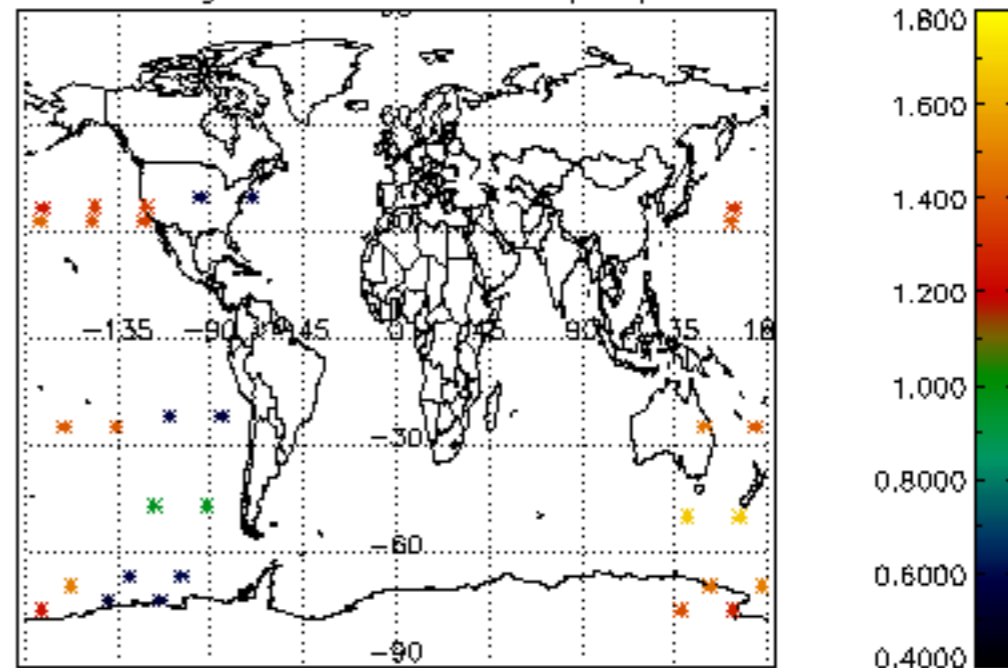
Percentage of saturation errors per profile



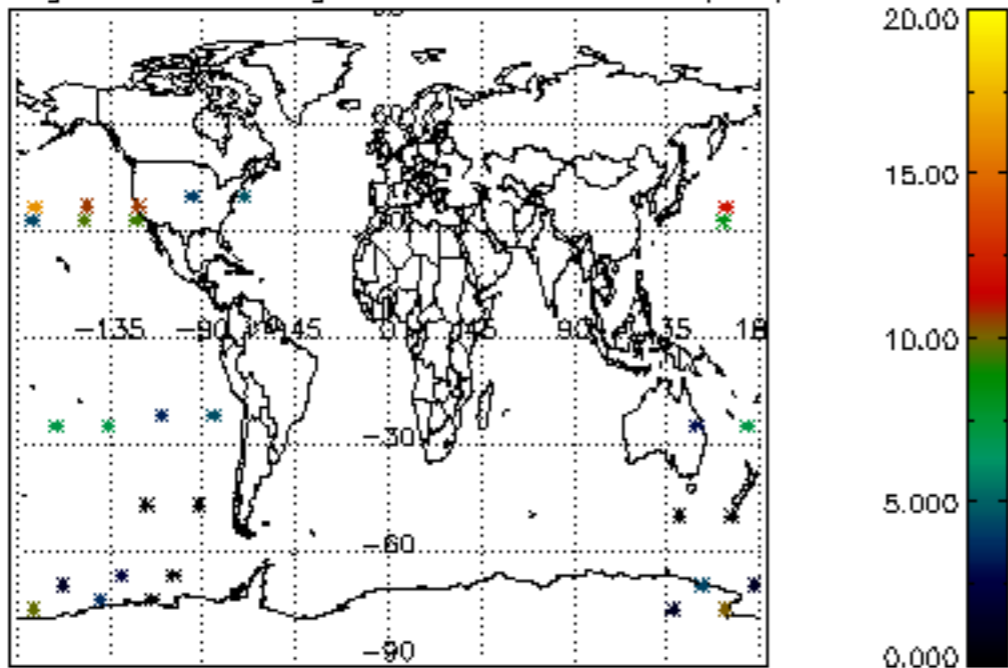
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

