

# 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	23APR2013 23:33:50
Data source version	GOMOS/6.01
Start time of products	11-06-2006 (11JUN2006 00:00:00)
Stop time of products	12-06-2006 (12JUN2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	121
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__2PRFIN20060611_000117_000000462048_00274_22372_0698.N1	11-JUN-2006 00:01:17	Straylight	46.000	40	The Sco	1.8590	7100.0	92	22372	No
2	GOM_NL__2PRFIN20060611_000301_000000452048_00274_22372_0699.N1	11-JUN-2006 00:03:01	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	22372	No
3	GOM_NL__2PRFIN20060611_000423_000000512048_00274_22372_0700.N1	11-JUN-2006 00:04:23	Twilight	51.000	167	10Gam2Sgr	2.9840	4500.0	102	22372	No
4	GOM_NL__2PRFIN20060611_000950_000000402048_00274_22372_0701.N1	11-JUN-2006 00:09:50	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	22372	No
5	GOM_NL__2PRFIN20060611_001136_000000382048_00274_22372_0702.N1	11-JUN-2006 00:11:36	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	22372	No
6	GOM_NL__2PRFIN20060611_001343_000000372048_00274_22372_0703.N1	11-JUN-2006 00:13:43	Bright	37.000	120	1Del Oph	2.7340	3200.0	74	22372	No
7	GOM_NL__2PRFIN20060611_002111_000000382048_00274_22372_0704.N1	11-JUN-2006 00:21:11	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	22372	No
8	GOM_NL__2PRFIN20060611_002420_000000392048_00274_22372_0705.N1	11-JUN-2006 00:24:20	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	22372	No
9	GOM_NL__2PRFIN20060611_003124_000000382048_00274_22372_0706.N1	11-JUN-2006 00:31:24	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	22372	No
10	GOM_NL__2PRFIN20060611_004816_000000532048_00274_22372_0707.N1	11-JUN-2006 00:48:16	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	22372	No
11	GOM_NL__2PRFIN20060611_005412_000000382048_00274_22372_0708.N1	11-JUN-2006 00:54:12	Bright	37.500	73	57Gam1And	2.2600	13100.	75	22372	No
12	GOM_NL__2PRFIN20060611_005632_000000582048_00274_22372_0709.N1	11-JUN-2006 00:56:32	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	22372	No
13	GOM_NL__2PRFIN20060611_005950_000000452048_00274_22372_0710.N1	11-JUN-2006 00:59:50	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	22372	No
14	GOM_NL__2PRFIN20060611_011440_000000552048_00274_22372_0711.N1	11-JUN-2006 01:14:40	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	22372	No
15	GOM_NL__2PRFIN20060611_012107_000000422048_00274_22372_0712.N1	11-JUN-2006 01:21:07	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	22372	No
16	GOM_NL__2PRFIN20060611_012705_000000522048_00275_22373_0695.N1	11-JUN-2006 01:27:05	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	22373	No
17	GOM_NL__2PRFIN20060611_012907_000000472048_00275_22373_0696.N1	11-JUN-2006 01:29:07	Dark	46.500	31	Alp Gru	1.7340	15200.	93	22373	No
18	GOM_NL__2PRFIN20060611_013323_000000422048_00275_22373_0697.N1	11-JUN-2006 01:33:23	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	22373	No
19	GOM_NL__2PRFIN20060611_014153_000000452048_00275_22373_0698.N1	11-JUN-2006 01:41:53	Straylight	44.500	40	The Sco	1.8590	7100.0	89	22373	No
20	GOM_NL__2PRFIN20060611_014338_000000422048_00275_22373_0699.N1	11-JUN-2006 01:43:38	Twilight	42.000	25	35Lam Sco	1.6200	28000.	84	22373	No
21	GOM_NL__2PRFIN20060611_014459_000000492048_00275_22373_0700.N1	11-JUN-2006 01:44:59	Twilight	49.000	167	10Gam2Sgr	2.9840	4500.0	98	22373	No
22	GOM_NL__2PRFIN20060611_015027_000000412048_00275_22373_0701.N1	11-JUN-2006 01:50:27	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	22373	No
23	GOM_NL__2PRFIN20060611_015212_000000382048_00275_22373_0702.N1	11-JUN-2006 01:52:12	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	22373	No
24	GOM_NL__2PRFIN20060611_015419_000000372048_00275_22373_0703.N1	11-JUN-2006 01:54:19	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	22373	No
25	GOM_NL__2PRFIN20060611_020147_000000402048_00275_22373_0704.N1	11-JUN-2006 02:01:47	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	22373	No
26	GOM_NL__2PRFIN20060611_020456_000000382048_00275_22373_0705.N1	11-JUN-2006 02:04:56	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	22373	No
27	GOM_NL__2PRFIN20060611_021200_000000372048_00275_22373_0706.N1	11-JUN-2006 02:12:00	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22373	No
28	GOM_NL__2PRFIN20060611_022852_000000382048_00275_22373_0707.N1	11-JUN-2006 02:28:52	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	22373	No
29	GOM_NL__2PRFIN20060611_023448_000000392048_00275_22373_0708.N1	11-JUN-2006 02:34:48	Bright	38.500	73	57Gam1And	2.2600	13100.	77	22373	No
30	GOM_NL__2PRFIN20060611_023708_000000612048_00275_22373_0709.N1	11-JUN-2006 02:37:08	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	22373	No
31	GOM_NL__2PRFIN20060611_024027_000000502048_00275_22373_0710.N1	11-JUN-2006 02:40:27	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	22373	No
32	GOM_NL__2PRFIN20060611_025517_000000532048_00275_22373_0711.N1	11-JUN-2006 02:55:17	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	22373	No
33	GOM_NL__2PRFIN20060611_030144_000000422048_00275_22373_0712.N1	11-JUN-2006 03:01:44	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	22373	No
34	GOM_NL__2PRFIN20060611_030742_000000512048_00276_22374_0695.N1	11-JUN-2006 03:07:42	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	22374	No
35	GOM_NL__2PRFIN20060611_030944_000000472048_00276_22374_0696.N1	11-JUN-2006 03:09:44	Dark	46.500	31	Alp Gru	1.7340	15200.	93	22374	No
36	GOM_NL__2PRFIN20060611_031359_000000442048_00276_22374_0697.N1	11-JUN-2006 03:13:59	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	22374	No
37	GOM_NL__2PRFIN20060611_032229_000000452048_00276_22374_0698.N1	11-JUN-2006 03:22:29	Straylight	44.500	40	The Sco	1.8590	7100.0	89	22374	No
38	GOM_NL__2PRFIN20060611_032414_000000432048_00276_22374_0699.N1	11-JUN-2006 03:24:14	Twilight	42.500	25	35Lam Sco	1.6200	28000.	85	22374	No
39	GOM_NL__2PRFIN20060611_032536_000000492048_00276_22374_0700.N1	11-JUN-2006 03:25:36	Twilight	49.000	167	10Gam2Sgr	2.9840	4500.0	98	22374	No
40	GOM_NL__2PRFIN20060611_033103_000000412048_00276_22374_0701.N1	11-JUN-2006 03:31:03	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	22374	No
41	GOM_NL__2PRFIN20060611_033248_000000382048_00276_22374_0702.N1	11-JUN-2006 03:32:48	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	22374	No
42	GOM_NL__2PRFIN20060611_033455_000000362048_00276_22374_0703.N1	11-JUN-2006 03:34:55	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	22374	No

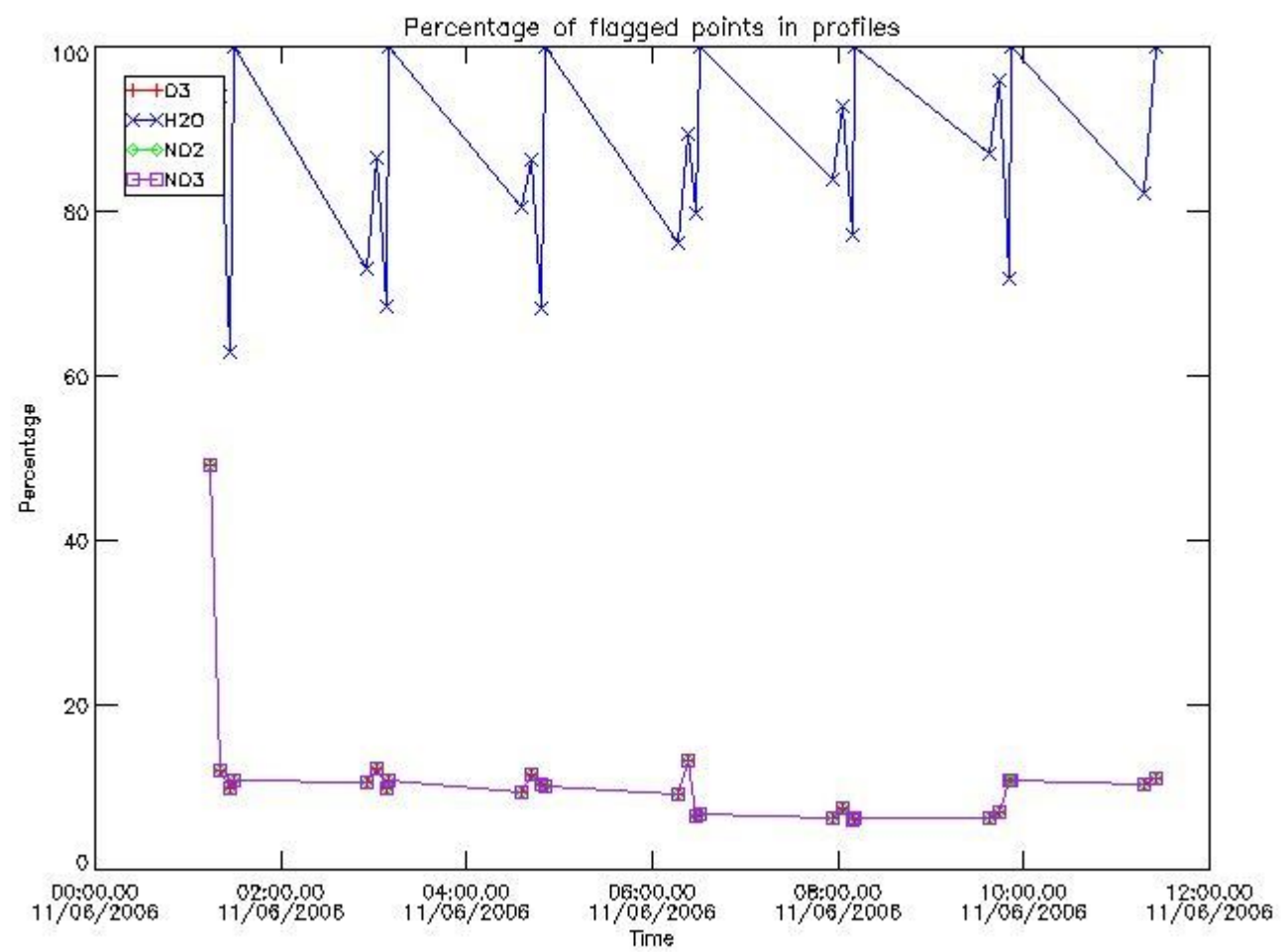
43	GOM_NL__2PRFIN20060611_034223_000000392048_00276_22374_0704.N1	11-JUN-2006 03:42:23	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	22374	No
44	GOM_NL__2PRFIN20060611_034532_000000412048_00276_22374_0705.N1	11-JUN-2006 03:45:32	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	22374	No
45	GOM_NL__2PRFIN20060611_035235_000000402048_00276_22374_0706.N1	11-JUN-2006 03:52:35	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	22374	No
46	GOM_NL__2PRFIN20060611_040927_000000392048_00276_22374_0707.N1	11-JUN-2006 04:09:27	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	22374	No
47	GOM_NL__2PRFIN20060611_041524_000000392048_00276_22374_0708.N1	11-JUN-2006 04:15:24	Bright	39.000	73	57Gam1And	2.2600	13100.	78	22374	No
48	GOM_NL__2PRFIN20060611_041744_000000622048_00276_22374_0709.N1	11-JUN-2006 04:17:44	Twilight	61.500	53	43Bet And	2.0480	3300.0	123	22374	No
49	GOM_NL__2PRFIN20060611_042103_000000462048_00276_22374_0710.N1	11-JUN-2006 04:21:03	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	22374	No
50	GOM_NL__2PRFIN20060611_043554_000000542048_00276_22374_0711.N1	11-JUN-2006 04:35:54	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	22374	No
51	GOM_NL__2PRFIN20060611_044221_000000452048_00276_22374_0712.N1	11-JUN-2006 04:42:21	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	22374	No
52	GOM_NL__2PRFIN20060611_044819_000000642048_00277_22375_0695.N1	11-JUN-2006 04:48:19	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	22375	No
53	GOM_NL__2PRFIN20060611_045020_000000502048_00277_22375_0696.N1	11-JUN-2006 04:50:20	Dark	50.000	31	Alp Gru	1.7340	15200.	100	22375	No
54	GOM_NL__2PRFIN20060611_045436_000000432048_00277_22375_0697.N1	11-JUN-2006 04:54:36	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	22375	No
55	GOM_NL__2PRFIN20060611_050306_000000432048_00277_22375_0698.N1	11-JUN-2006 05:03:06	Straylight	43.000	40	The Sco	1.8590	7100.0	86	22375	No
56	GOM_NL__2PRFIN20060611_050450_000000442048_00277_22375_0699.N1	11-JUN-2006 05:04:50	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	22375	No
57	GOM_NL__2PRFIN20060611_050612_000000502048_00277_22375_0700.N1	11-JUN-2006 05:06:12	Twilight	50.000	167	10Gam2Sgr	2.9840	4500.0	100	22375	No
58	GOM_NL__2PRFIN20060611_051139_000000412048_00277_22375_0701.N1	11-JUN-2006 05:11:39	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	22375	No
59	GOM_NL__2PRFIN20060611_051325_000000372048_00277_22375_0702.N1	11-JUN-2006 05:13:25	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	22375	No
60	GOM_NL__2PRFIN20060611_051531_000000372048_00277_22375_0703.N1	11-JUN-2006 05:15:31	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	22375	No
61	GOM_NL__2PRFIN20060611_052258_000000372048_00277_22375_0704.N1	11-JUN-2006 05:22:58	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	22375	No
62	GOM_NL__2PRFIN20060611_052608_000000372048_00277_22375_0705.N1	11-JUN-2006 05:26:08	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22375	No
63	GOM_NL__2PRFIN20060611_053311_000000422048_00277_22375_0706.N1	11-JUN-2006 05:33:11	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	22375	No
64	GOM_NL__2PRFIN20060611_055004_000000582048_00277_22375_0707.N1	11-JUN-2006 05:50:04	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	22375	No
65	GOM_NL__2PRFIN20060611_055600_000000392048_00277_22375_0708.N1	11-JUN-2006 05:56:00	Bright	39.000	73	57Gam1And	2.2600	13100.	78	22375	No
66	GOM_NL__2PRFIN20060611_055820_000000522048_00277_22375_0709.N1	11-JUN-2006 05:58:20	Twilight	51.500	53	43Bet And	2.0480	3300.0	103	22375	No
67	GOM_NL__2PRFIN20060611_060139_000000412048_00277_22375_0710.N1	11-JUN-2006 06:01:39	Twilight	41.000	50	13Alp Ari	2.0070	4250.0	82	22375	No
68	GOM_NL__2PRFIN20060611_061631_000000552048_00277_22375_0711.N1	11-JUN-2006 06:16:31	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	22375	No
69	GOM_NL__2PRFIN20060611_062258_000000432048_00277_22375_0712.N1	11-JUN-2006 06:22:58	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	22375	No
70	GOM_NL__2PRFIN20060611_062828_000000772048_00278_22376_0695.N1	11-JUN-2006 06:28:28	Dark	77.000	63	Bet Gru	2.1500	2800.0	154	22376	No
71	GOM_NL__2PRFIN20060611_063029_000000772048_00278_22376_0696.N1	11-JUN-2006 06:30:29	Dark	76.500	31	Alp Gru	1.7340	15200.	153	22376	No
72	GOM_NL__2PRFIN20060611_063447_000000692048_00278_22376_0697.N1	11-JUN-2006 06:34:47	Straylight	68.500	45	Alp Pav	1.9400	26000.	137	22376	No
73	GOM_NL__2PRFIN20060611_064317_000000682048_00278_22376_0698.N1	11-JUN-2006 06:43:17	Straylight	67.500	40	The Sco	1.8590	7100.0	135	22376	No
74	GOM_NL__2PRFIN20060611_064501_000000682048_00278_22376_0699.N1	11-JUN-2006 06:45:01	Twilight	67.500	25	35Lam Sco	1.6200	28000.	135	22376	No
75	GOM_NL__2PRFIN20060611_065149_000000672048_00278_22376_0700.N1	11-JUN-2006 06:51:49	Bright	66.500	86	35Eta Oph	2.4300	10200.	133	22376	No
76	GOM_NL__2PRFIN20060611_065336_000000622048_00278_22376_0701.N1	11-JUN-2006 06:53:36	Bright	61.500	98	13Zet Oph	2.5710	30000.	123	22376	No
77	GOM_NL__2PRFIN20060611_065543_000000602048_00278_22376_0702.N1	11-JUN-2006 06:55:43	Bright	60.000	120	1Del Oph	2.7340	3200.0	120	22376	No
78	GOM_NL__2PRFIN20060611_070309_000000632048_00278_22376_0703.N1	11-JUN-2006 07:03:09	Bright	63.000	127	27Bet Her	2.7810	4700.0	126	22376	No
79	GOM_NL__2PRFIN20060611_070618_000000642048_00278_22376_0704.N1	11-JUN-2006 07:06:18	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	22376	No
80	GOM_NL__2PRFIN20060611_071320_000000682048_00278_22376_0705.N1	11-JUN-2006 07:13:20	Bright	68.000	130	23Bet Dra	2.7990	5800.0	136	22376	No
81	GOM_NL__2PRFIN20060611_073013_000000842048_00278_22376_0706.N1	11-JUN-2006 07:30:13	Bright	84.000	76	27Gam Cas	2.3000	30000.	168	22376	No
82	GOM_NL__2PRFIN20060611_073613_000000762048_00278_22376_0707.N1	11-JUN-2006 07:36:13	Bright	76.000	73	57Gam1And	2.2600	13100.	152	22376	No
83	GOM_NL__2PRFIN20060611_073829_000000882048_00278_22376_0708.N1	11-JUN-2006 07:38:29	Twilight	87.500	53	43Bet And	2.0480	3300.0	175	22376	No
84	GOM_NL__2PRFIN20060611_074152_000000702048_00278_22376_0709.N1	11-JUN-2006 07:41:52	Twilight	69.500	50	13Alp Ari	2.0070	4250.0	139	22376	No
85	GOM_NL__2PRFIN20060611_075639_000000822048_00278_22376_0710.N1	11-JUN-2006 07:56:39	Dark	81.500	52	16Bet Cet	2.0370	4500.0	163	22376	No
86	GOM_NL__2PRFIN20060611_080309_000000692048_00278_22376_0711.N1	11-JUN-2006 08:03:09	Dark	69.000	84	Alp Phe	2.3970	4500.0	138	22376	No
87	GOM_NL__2PRFIN20060611_080905_000000932048_00279_22377_0695.N1	11-JUN-2006 08:09:05	Dark	92.500	63	Bet Gru	2.1500	2800.0	185	22377	No
88	GOM_NL__2PRFIN20060611_081105_000000812048_00279_22377_0696.N1	11-JUN-2006 08:11:05	Dark	80.500	31	Alp Gru	1.7340	15200.	161	22377	No
89	GOM_NL__2PRFIN20060611_081523_000000742048_00279_22377_0697.N1	11-JUN-2006 08:15:23	Straylight	74.000	45	Alp Pav	1.9400	26000.	148	22377	No
90	GOM_NL__2PRFIN20060611_082354_000000652048_00279_22377_0698.N1	11-JUN-2006 08:23:54	Straylight	65.000	40	The Sco	1.8590	7100.0	130	22377	No
91	GOM_NL__2PRFIN20060611_082538_000000682048_00279_22377_0699.N1	11-JUN-2006 08:25:38	Twilight	67.500	25	35Lam Sco	1.6200	28000.	135	22377	No
92	GOM_NL__2PRFIN20060611_083225_000000662048_00279_22377_0700.N1	11-JUN-2006 08:32:25	Bright	65.500	86	35Eta Oph	2.4300	10200.	131	22377	No
93	GOM_NL__2PRFIN20060611_083412_000000622048_00279_22377_0701.N1	11-JUN-2006 08:34:12	Bright	62.000	98	13Zet Oph	2.5710	30000.	124	22377	No
94	GOM_NL__2PRFIN20060611_083619_000000602048_00279_22377_0702.N1	11-JUN-2006 08:36:19	Bright	60.000	120	1Del Oph	2.7340	3200.0	120	22377	No
95	GOM_NL__2PRFIN20060611_084345_000000642048_00279_22377_0703.N1	11-JUN-2006 08:43:45	Bright	64.000	127	27Bet Her	2.7810	4700.0	128	22377	No
96	GOM_NL__2PRFIN20060611_084654_000000642048_00279_22377_0704.N1	11-JUN-2006 08:46:54	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	22377	No
97	GOM_NL__2PRFIN20060611_085355_000000662048_00279_22377_0705.N1	11-JUN-2006 08:53:55	Bright	65.500	130	23Bet Dra	2.7990	5800.0	131	22377	No
98	GOM_NL__2PRFIN20060611_091049_000000842048_00279_22377_0706.N1	11-JUN-2006 09:10:49	Bright	84.000	76	27Gam Cas	2.3000	30000.	168	22377	No
99	GOM_NL__2PRFIN20060611_091648_000000622048_00279_22377_0707.N1	11-JUN-2006 09:16:48	Bright	62.000	73	57Gam1And	2.2600	13100.	124	22377	No
100	GOM_NL__2PRFIN20060611_091905_000000842048_00279_22377_0708.N1	11-JUN-2006 09:19:05	Twilight	84.000	53	43Bet And	2.0480	3300.0	168	22377	No
101	GOM_NL__2PRFIN20060611_092228_000000702048_00279_22377_0709.N1	11-JUN-2006 09:22:28	Twilight	69.500	50	13Alp Ari	2.0070	4250.0	139	22377	No

102	GOM_NL__2PRFIN20060611_093716_000000822048_00279_22377_0710.N1	11-JUN-2006 09:37:16	Dark	81.500	52	16Bet Cet	2.0370	4500.0	163	22377	No
103	GOM_NL__2PRFIN20060611_094345_000000722048_00279_22377_0711.N1	11-JUN-2006 09:43:45	Dark	72.000	84	Alp Phe	2.3970	4500.0	144	22377	No
104	GOM_NL__2PRFIN20060611_095010_000000472048_00280_22378_0695.N1	11-JUN-2006 09:50:10	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	22378	No
105	GOM_NL__2PRFIN20060611_095211_000000482048_00280_22378_0696.N1	11-JUN-2006 09:52:11	Dark	47.500	31	Alp Gru	1.7340	15200.	95	22378	No
106	GOM_NL__2PRFIN20060611_095626_000000412048_00280_22378_0697.N1	11-JUN-2006 09:56:26	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	22378	No
107	GOM_NL__2PRFIN20060611_100455_000000472048_00280_22378_0698.N1	11-JUN-2006 10:04:55	Straylight	46.500	40	The Sco	1.8590	7100.0	93	22378	No
108	GOM_NL__2PRFIN20060611_100639_000000462048_00280_22378_0699.N1	11-JUN-2006 10:06:39	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	22378	No
109	GOM_NL__2PRFIN20060611_100801_000000502048_00280_22378_0700.N1	11-JUN-2006 10:08:01	Twilight	49.500	167	10Gam2Sgr	2.9840	4500.0	99	22378	No
110	GOM_NL__2PRFIN20060611_101327_000000412048_00280_22378_0701.N1	11-JUN-2006 10:13:27	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	22378	No
111	GOM_NL__2PRFIN20060611_101513_000000382048_00280_22378_0702.N1	11-JUN-2006 10:15:13	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	22378	No
112	GOM_NL__2PRFIN20060611_101719_000000362048_00280_22378_0703.N1	11-JUN-2006 10:17:19	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	22378	No
113	GOM_NL__2PRFIN20060611_102446_000000362048_00280_22378_0704.N1	11-JUN-2006 10:24:46	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	22378	No
114	GOM_NL__2PRFIN20060611_102755_000000402048_00280_22378_0705.N1	11-JUN-2006 10:27:55	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	22378	No
115	GOM_NL__2PRFIN20060611_103457_000000412048_00280_22378_0706.N1	11-JUN-2006 10:34:57	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	22378	No
116	GOM_NL__2PRFIN20060611_105151_000000392048_00280_22378_0707.N1	11-JUN-2006 10:51:51	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	22378	No
117	GOM_NL__2PRFIN20060611_105748_000000402048_00280_22378_0708.N1	11-JUN-2006 10:57:48	Bright	39.500	73	57Gam1And	2.2600	13100.	79	22378	No
118	GOM_NL__2PRFIN20060611_110008_000000622048_00280_22378_0709.N1	11-JUN-2006 11:00:08	Twilight	62.000	53	43Bet And	2.0480	3300.0	124	22378	No
119	GOM_NL__2PRFIN20060611_110327_000000472048_00280_22378_0710.N1	11-JUN-2006 11:03:27	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	22378	No
120	GOM_NL__2PRFIN20060611_111821_000000542048_00280_22378_0711.N1	11-JUN-2006 11:18:21	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	22378	No
121	GOM_NL__2PRFIN20060611_112447_000000462048_00280_22378_0712.N1	11-JUN-2006 11:24:47	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	22378	No

### 3. Quality information per product

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

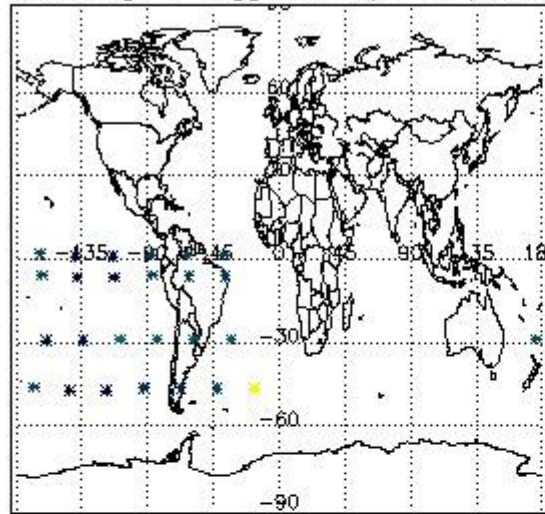
#### 3.1 Plot quality information per product (time dependant)



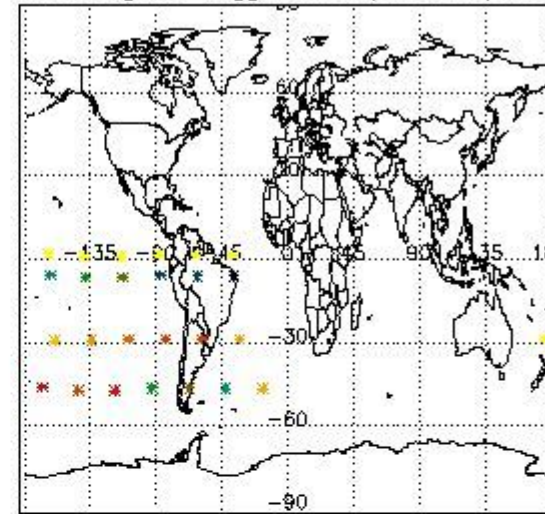
3.2 Plot quality information per product (world map)



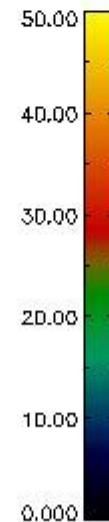
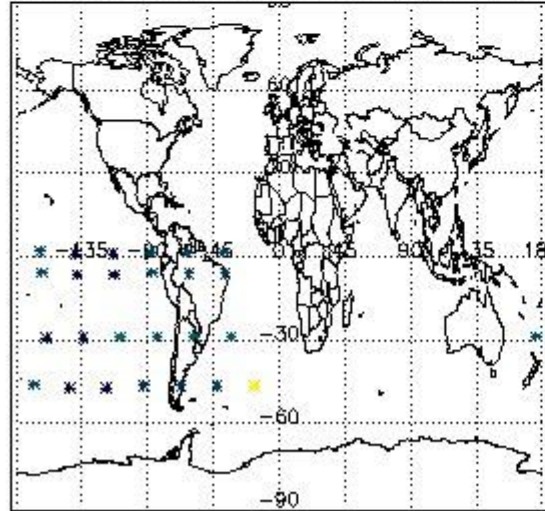
Percentage of flagged data per O3 profile



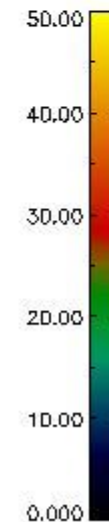
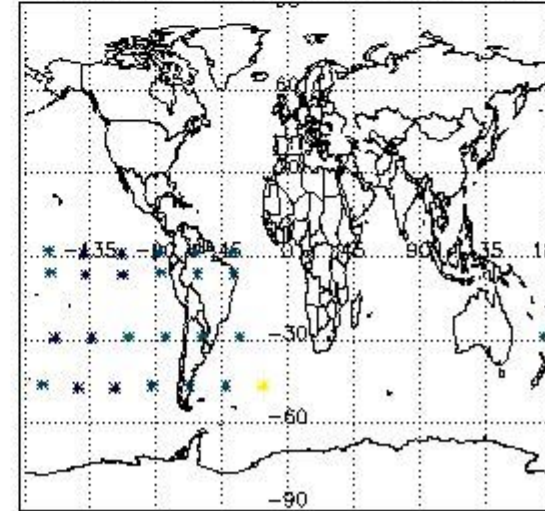
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

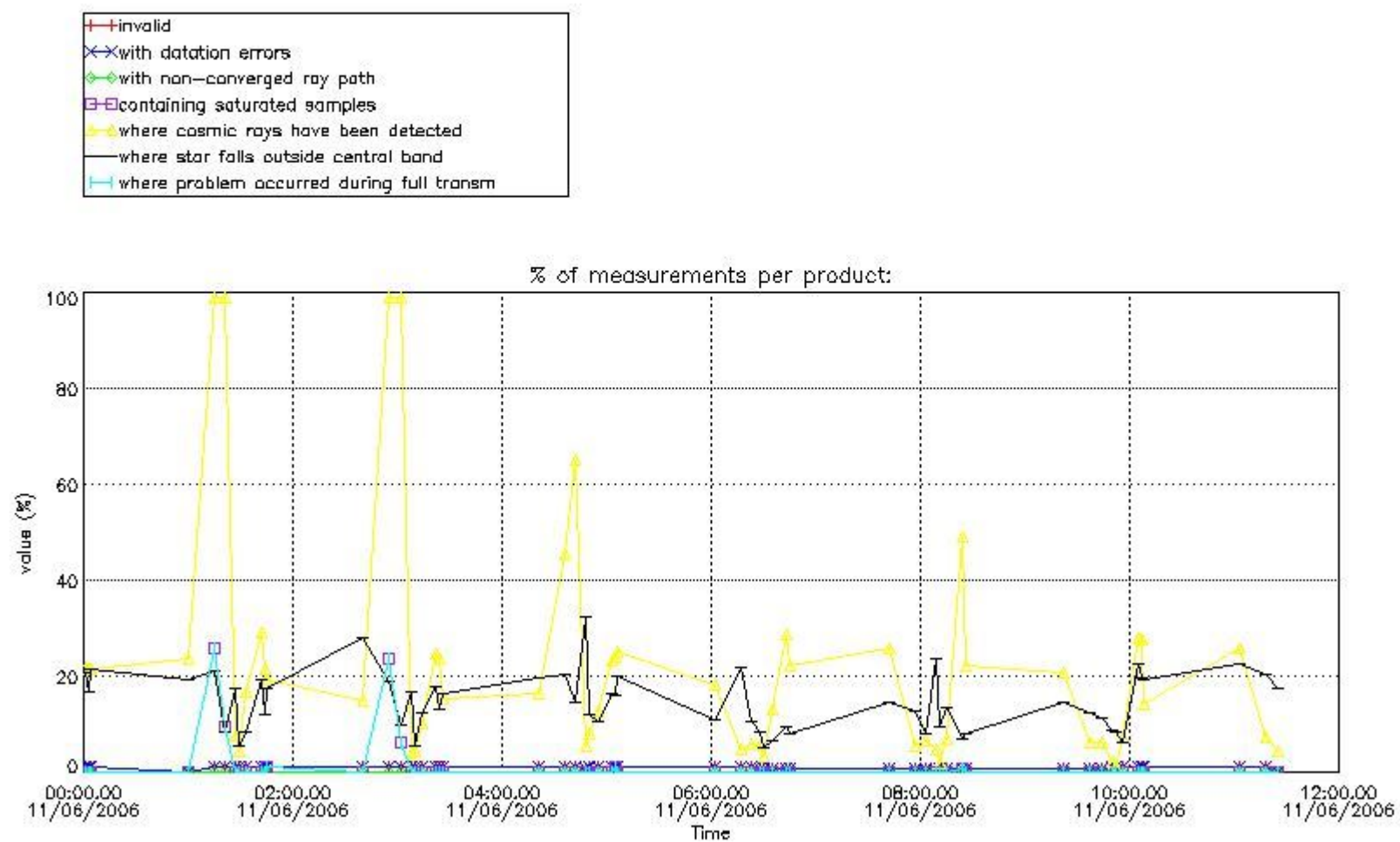


#### 4. Level 1 quality information per product

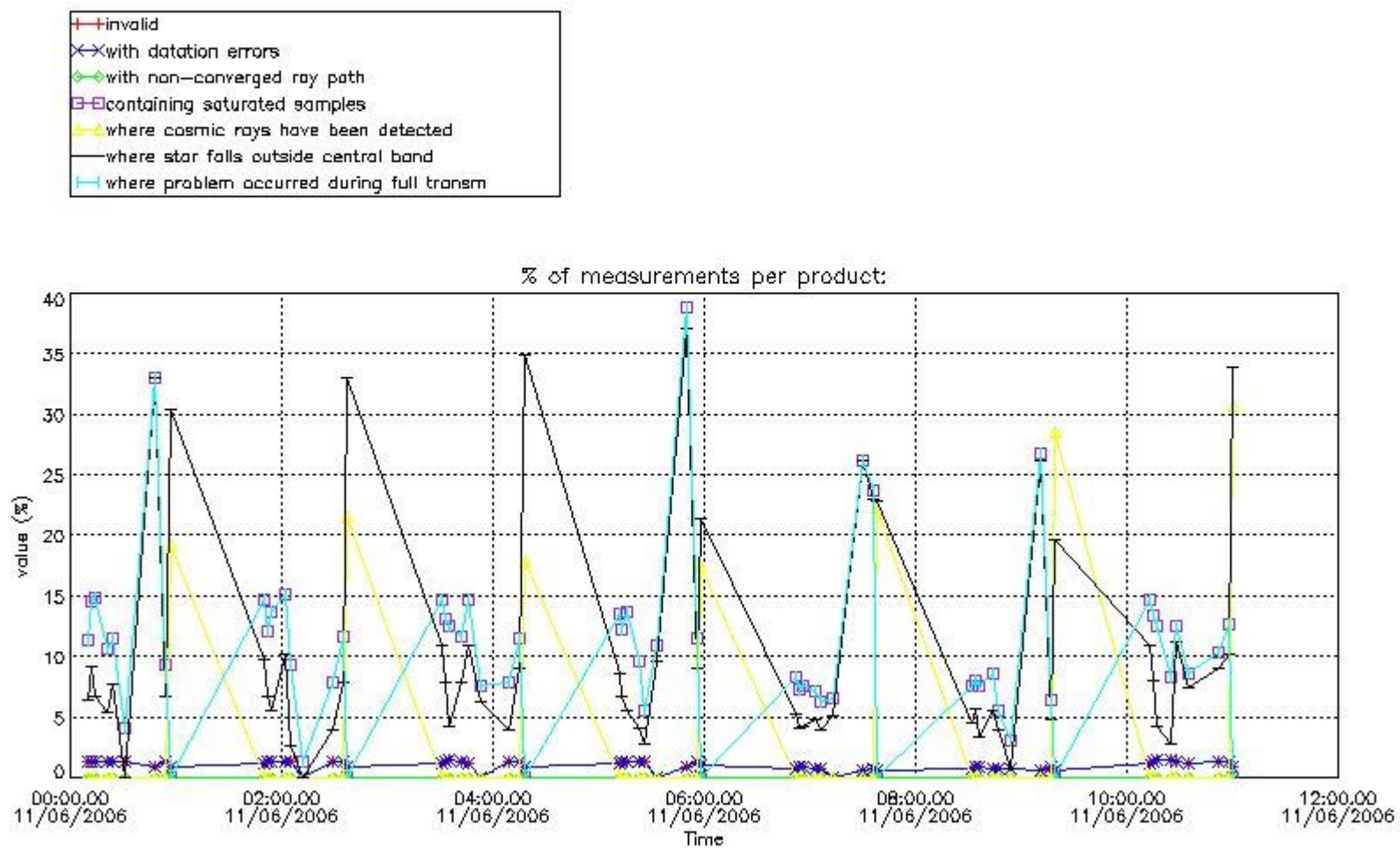
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

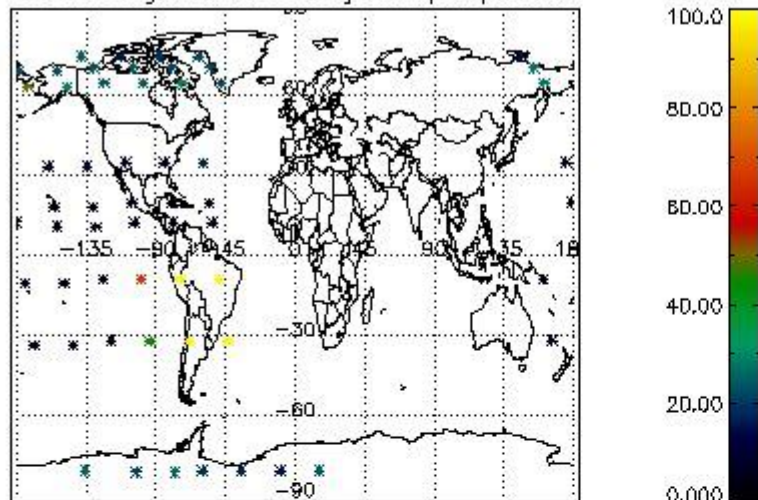


4.2 Plot quality information per product coming from level 1b processing (world map)

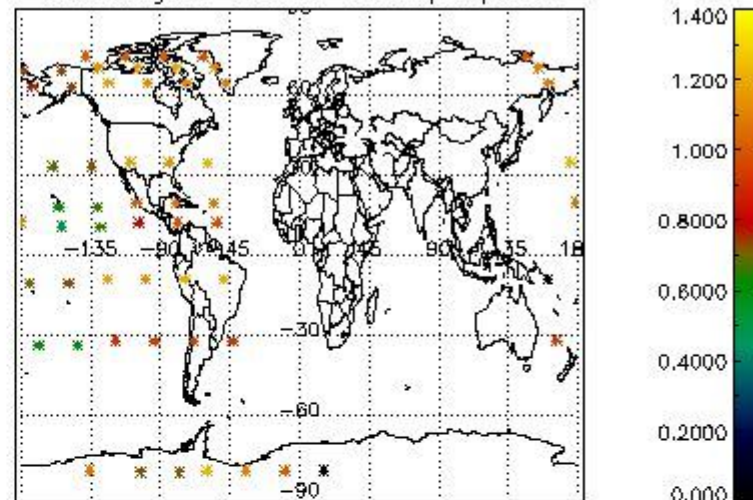
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



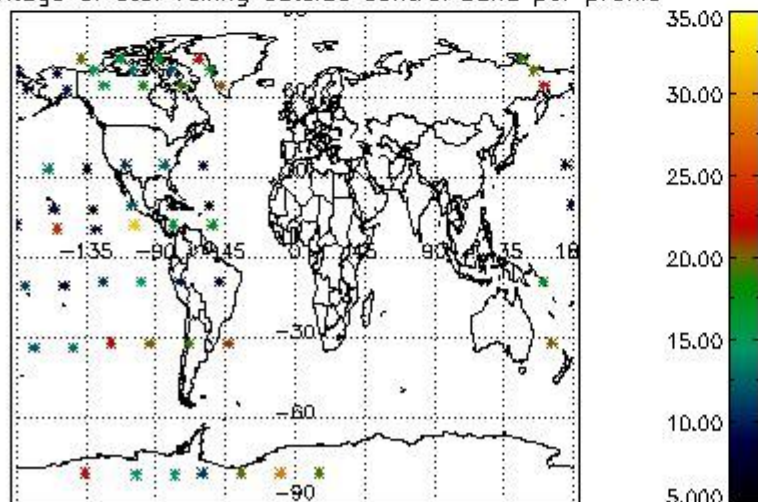
Percentage of cosmic ray hits per profile



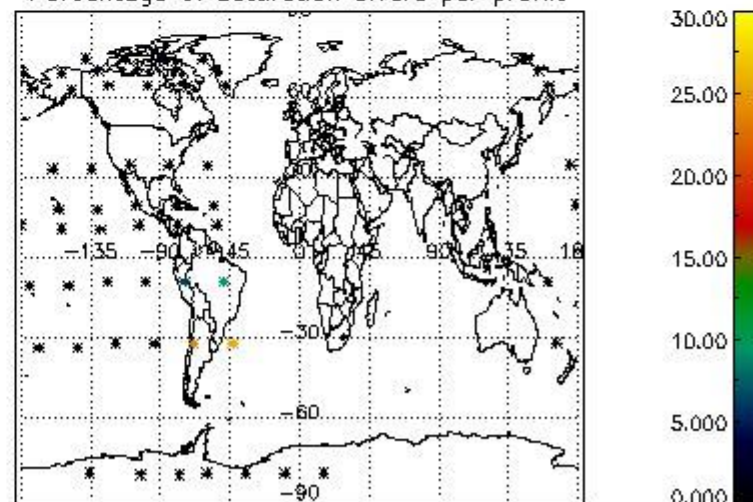
Percentage of datation errors per profile



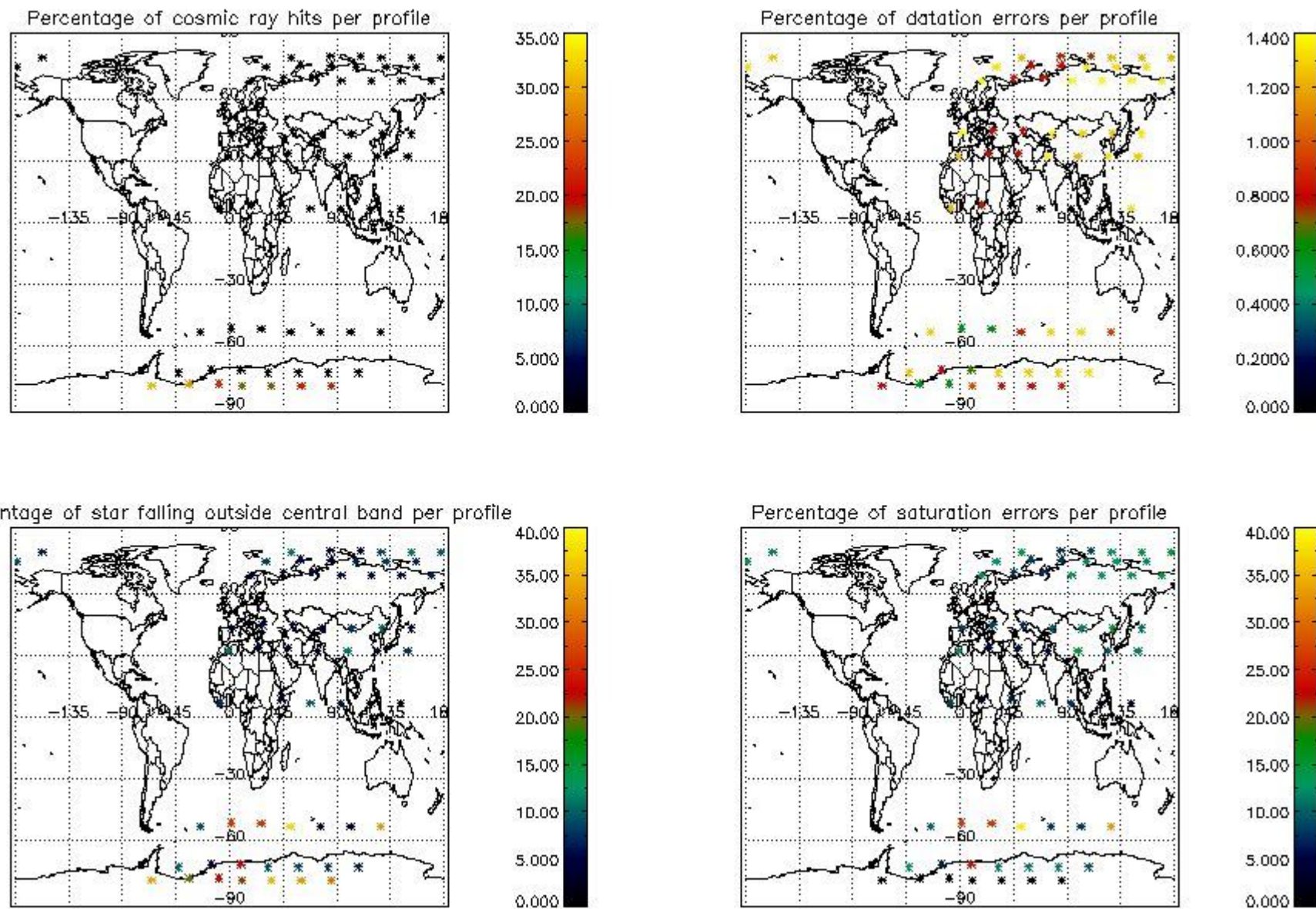
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

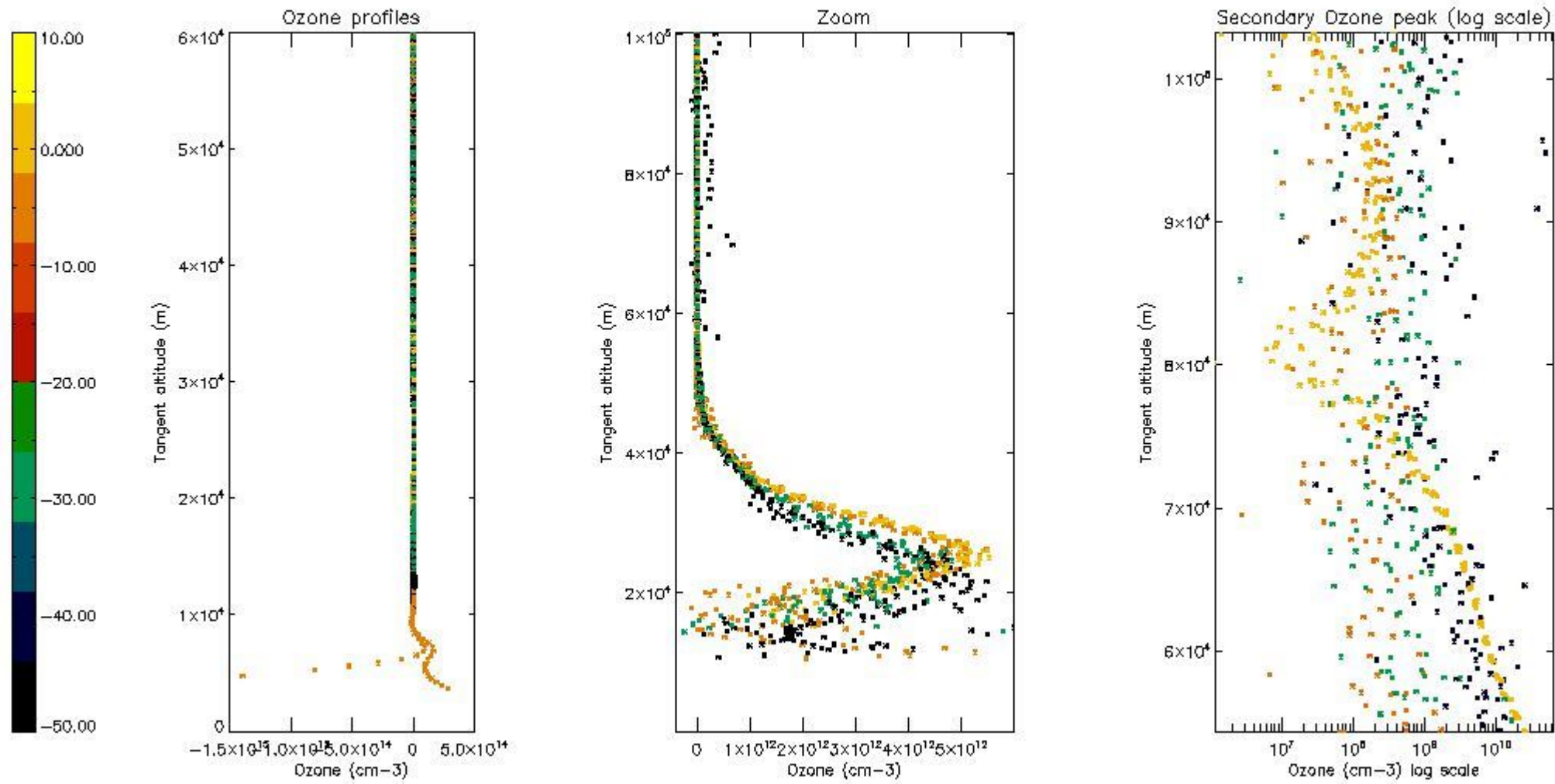
Criteria	% of total production
All STD	25
STD < 20	7



STD < 10	5
STD < 5	3

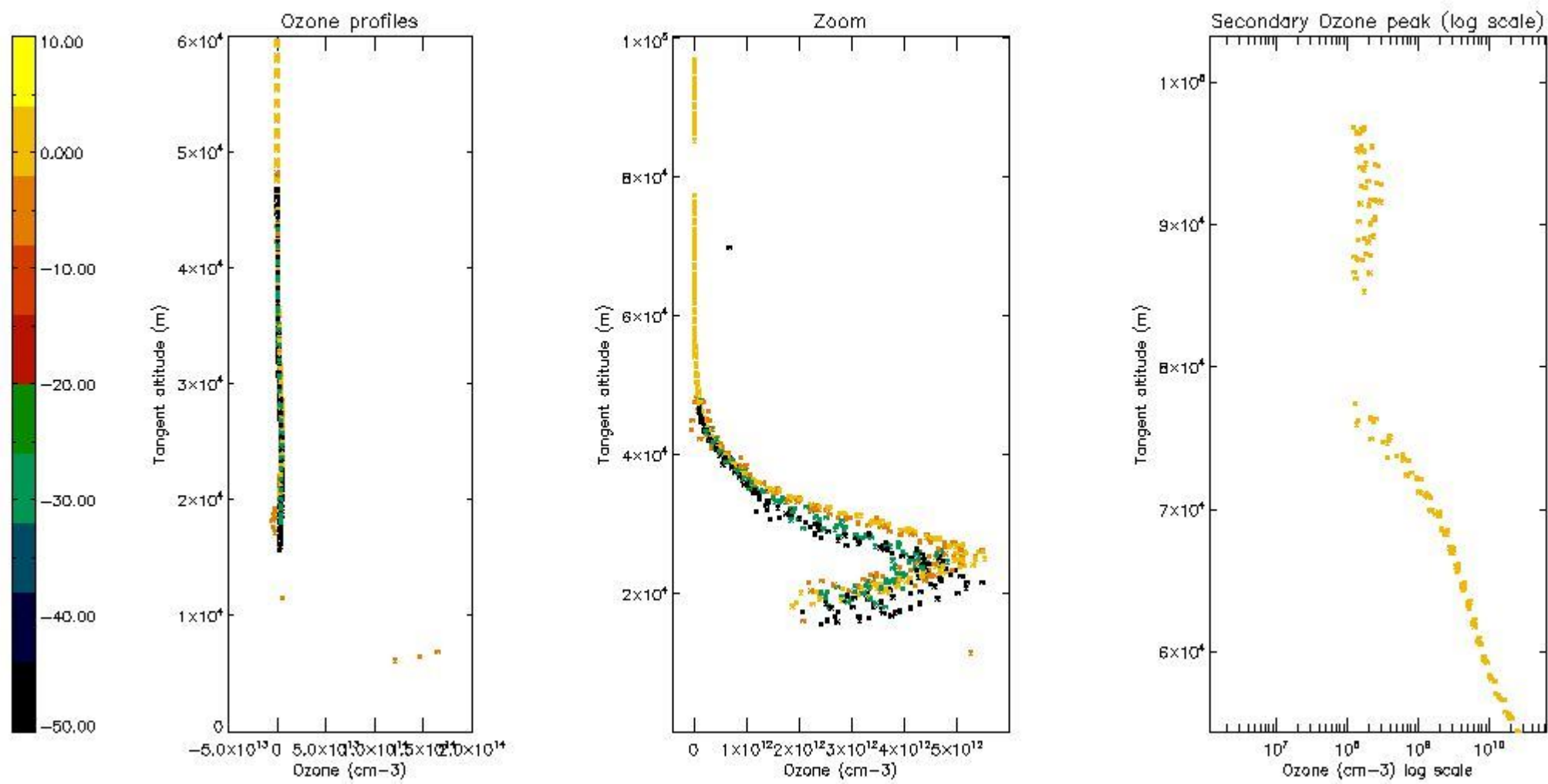
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

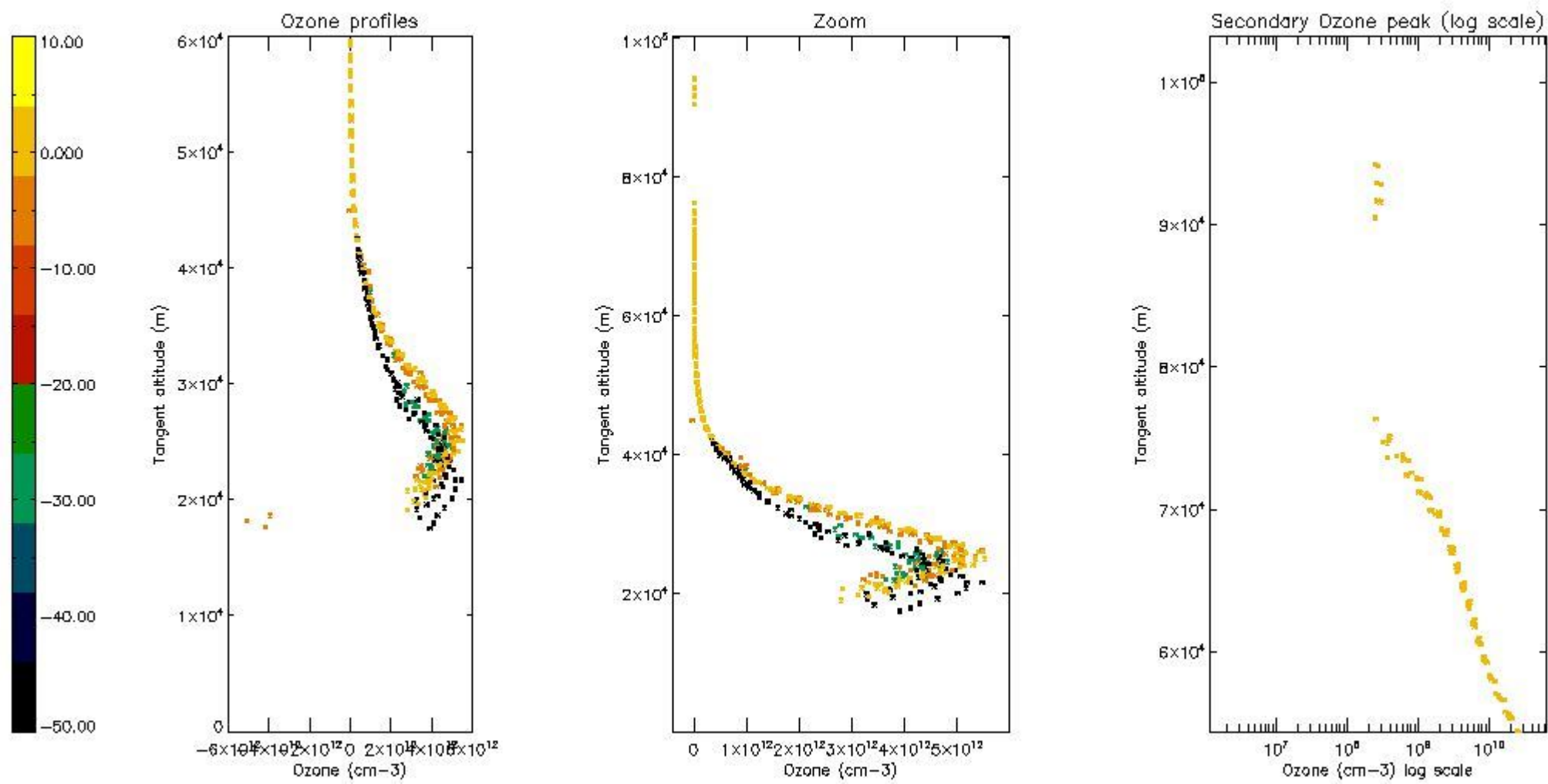
The colorbar represents the latitude.



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

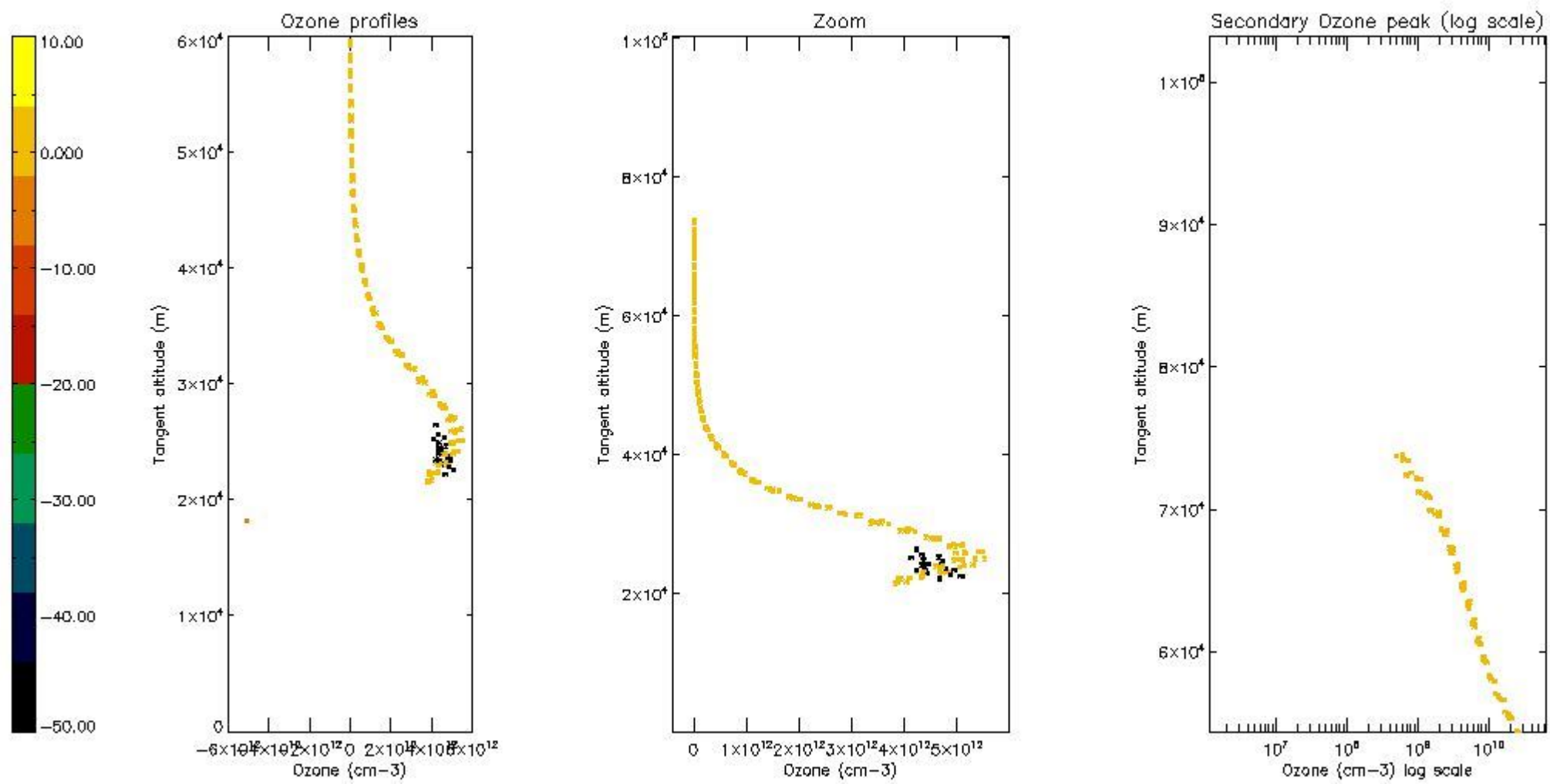
The colorbar represents the latitude.





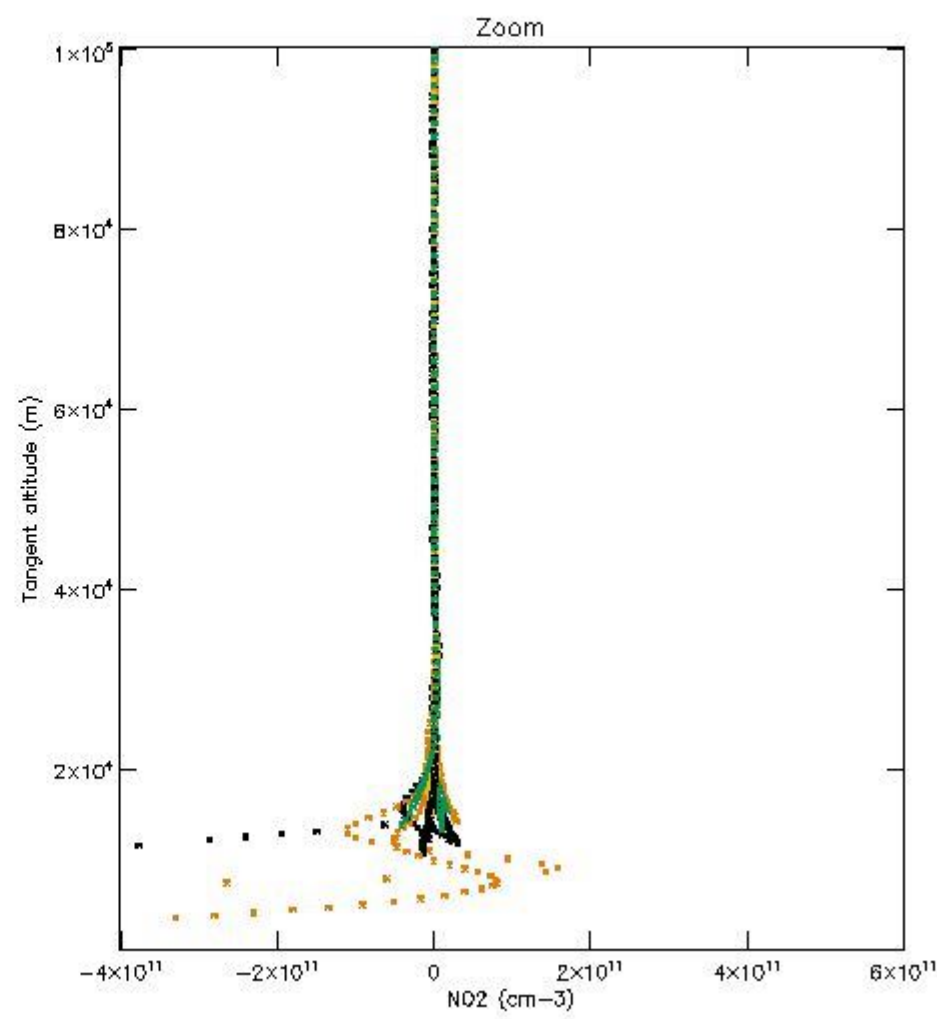
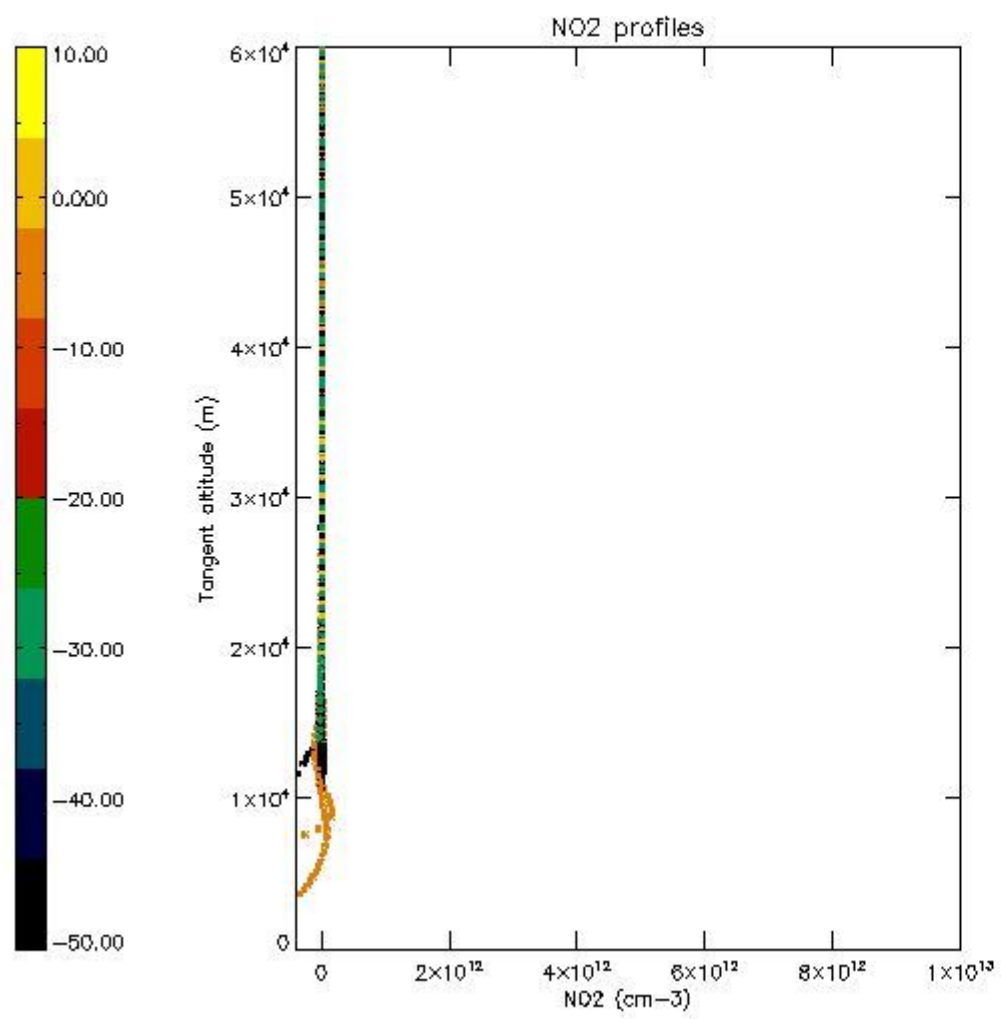
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



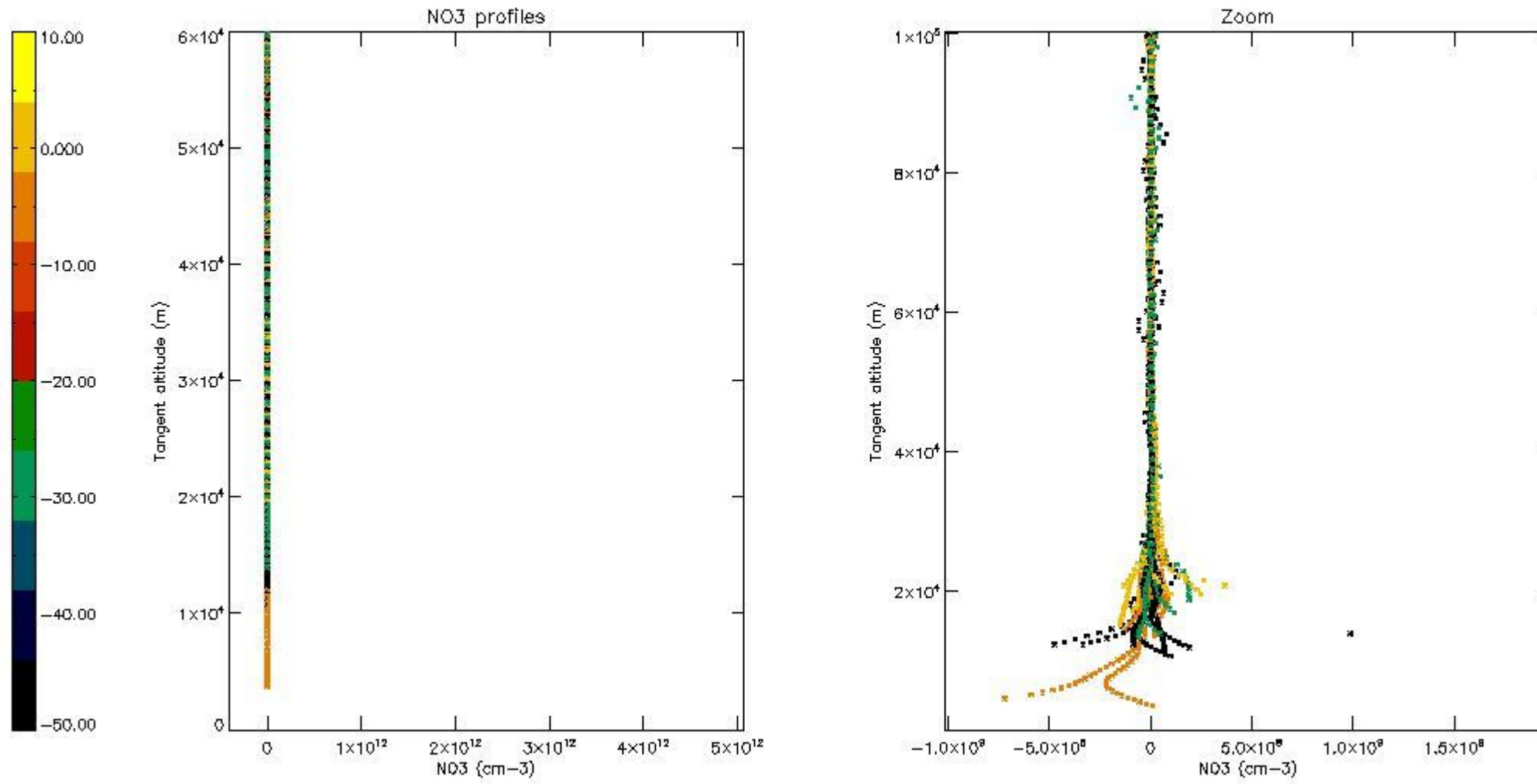
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

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	11-JUN-2006 00:01:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-JUN-2006 00:01:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-JUN-2006 00:01:17



# GOMOS Level 2 Daily Report

## SUMMARY

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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	23APR2013 23:33:50
Data source version	GOMOS/6.01
Start time of products	11-06-2006 (11JUN2006 00:00:00)
Stop time of products	12-06-2006 (12JUN2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	121
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__2PRFIN20060611_000117_000000462048_00274_22372_0698.N1	11-JUN-2006 00:01:17	Straylight	46.000	40	The Sco	1.8590	7100.0	92	22372	No
2	GOM_NL__2PRFIN20060611_000301_000000452048_00274_22372_0699.N1	11-JUN-2006 00:03:01	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	22372	No
3	GOM_NL__2PRFIN20060611_000423_000000512048_00274_22372_0700.N1	11-JUN-2006 00:04:23	Twilight	51.000	167	10Gam2Sgr	2.9840	4500.0	102	22372	No
4	GOM_NL__2PRFIN20060611_000950_000000402048_00274_22372_0701.N1	11-JUN-2006 00:09:50	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	22372	No
5	GOM_NL__2PRFIN20060611_001136_000000382048_00274_22372_0702.N1	11-JUN-2006 00:11:36	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	22372	No
6	GOM_NL__2PRFIN20060611_001343_000000372048_00274_22372_0703.N1	11-JUN-2006 00:13:43	Bright	37.000	120	1Del Oph	2.7340	3200.0	74	22372	No
7	GOM_NL__2PRFIN20060611_002111_000000382048_00274_22372_0704.N1	11-JUN-2006 00:21:11	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	22372	No
8	GOM_NL__2PRFIN20060611_002420_000000392048_00274_22372_0705.N1	11-JUN-2006 00:24:20	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	22372	No
9	GOM_NL__2PRFIN20060611_003124_000000382048_00274_22372_0706.N1	11-JUN-2006 00:31:24	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	22372	No
10	GOM_NL__2PRFIN20060611_004816_000000532048_00274_22372_0707.N1	11-JUN-2006 00:48:16	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	22372	No
11	GOM_NL__2PRFIN20060611_005412_000000382048_00274_22372_0708.N1	11-JUN-2006 00:54:12	Bright	37.500	73	57Gam1And	2.2600	13100.	75	22372	No
12	GOM_NL__2PRFIN20060611_005632_000000582048_00274_22372_0709.N1	11-JUN-2006 00:56:32	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	22372	No
13	GOM_NL__2PRFIN20060611_005950_000000452048_00274_22372_0710.N1	11-JUN-2006 00:59:50	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	22372	No
14	GOM_NL__2PRFIN20060611_011440_000000552048_00274_22372_0711.N1	11-JUN-2006 01:14:40	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	22372	No
15	GOM_NL__2PRFIN20060611_012107_000000422048_00274_22372_0712.N1	11-JUN-2006 01:21:07	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	22372	No
16	GOM_NL__2PRFIN20060611_012705_000000522048_00275_22373_0695.N1	11-JUN-2006 01:27:05	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	22373	No
17	GOM_NL__2PRFIN20060611_012907_000000472048_00275_22373_0696.N1	11-JUN-2006 01:29:07	Dark	46.500	31	Alp Gru	1.7340	15200.	93	22373	No
18	GOM_NL__2PRFIN20060611_013323_000000422048_00275_22373_0697.N1	11-JUN-2006 01:33:23	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	22373	No
19	GOM_NL__2PRFIN20060611_014153_000000452048_00275_22373_0698.N1	11-JUN-2006 01:41:53	Straylight	44.500	40	The Sco	1.8590	7100.0	89	22373	No
20	GOM_NL__2PRFIN20060611_014338_000000422048_00275_22373_0699.N1	11-JUN-2006 01:43:38	Twilight	42.000	25	35Lam Sco	1.6200	28000.	84	22373	No
21	GOM_NL__2PRFIN20060611_014459_000000492048_00275_22373_0700.N1	11-JUN-2006 01:44:59	Twilight	49.000	167	10Gam2Sgr	2.9840	4500.0	98	22373	No
22	GOM_NL__2PRFIN20060611_015027_000000412048_00275_22373_0701.N1	11-JUN-2006 01:50:27	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	22373	No
23	GOM_NL__2PRFIN20060611_015212_000000382048_00275_22373_0702.N1	11-JUN-2006 01:52:12	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	22373	No
24	GOM_NL__2PRFIN20060611_015419_000000372048_00275_22373_0703.N1	11-JUN-2006 01:54:19	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	22373	No
25	GOM_NL__2PRFIN20060611_020147_000000402048_00275_22373_0704.N1	11-JUN-2006 02:01:47	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	22373	No
26	GOM_NL__2PRFIN20060611_020456_000000382048_00275_22373_0705.N1	11-JUN-2006 02:04:56	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	22373	No
27	GOM_NL__2PRFIN20060611_021200_000000372048_00275_22373_0706.N1	11-JUN-2006 02:12:00	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22373	No
28	GOM_NL__2PRFIN20060611_022852_000000382048_00275_22373_0707.N1	11-JUN-2006 02:28:52	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	22373	No
29	GOM_NL__2PRFIN20060611_023448_000000392048_00275_22373_0708.N1	11-JUN-2006 02:34:48	Bright	38.500	73	57Gam1And	2.2600	13100.	77	22373	No
30	GOM_NL__2PRFIN20060611_023708_000000612048_00275_22373_0709.N1	11-JUN-2006 02:37:08	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	22373	No
31	GOM_NL__2PRFIN20060611_024027_000000502048_00275_22373_0710.N1	11-JUN-2006 02:40:27	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	22373	No
32	GOM_NL__2PRFIN20060611_025517_000000532048_00275_22373_0711.N1	11-JUN-2006 02:55:17	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	22373	No
33	GOM_NL__2PRFIN20060611_030144_000000422048_00275_22373_0712.N1	11-JUN-2006 03:01:44	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	22373	No
34	GOM_NL__2PRFIN20060611_030742_000000512048_00276_22374_0695.N1	11-JUN-2006 03:07:42	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	22374	No
35	GOM_NL__2PRFIN20060611_030944_000000472048_00276_22374_0696.N1	11-JUN-2006 03:09:44	Dark	46.500	31	Alp Gru	1.7340	15200.	93	22374	No
36	GOM_NL__2PRFIN20060611_031359_000000442048_00276_22374_0697.N1	11-JUN-2006 03:13:59	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	22374	No
37	GOM_NL__2PRFIN20060611_032229_000000452048_00276_22374_0698.N1	11-JUN-2006 03:22:29	Straylight	44.500	40	The Sco	1.8590	7100.0	89	22374	No
38	GOM_NL__2PRFIN20060611_032414_000000432048_00276_22374_0699.N1	11-JUN-2006 03:24:14	Twilight	42.500	25	35Lam Sco	1.6200	28000.	85	22374	No
39	GOM_NL__2PRFIN20060611_032536_000000492048_00276_22374_0700.N1	11-JUN-2006 03:25:36	Twilight	49.000	167	10Gam2Sgr	2.9840	4500.0	98	22374	No
40	GOM_NL__2PRFIN20060611_033103_000000412048_00276_22374_0701.N1	11-JUN-2006 03:31:03	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	22374	No
41	GOM_NL__2PRFIN20060611_033248_000000382048_00276_22374_0702.N1	11-JUN-2006 03:32:48	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	22374	No
42	GOM_NL__2PRFIN20060611_033455_000000362048_00276_22374_0703.N1	11-JUN-2006 03:34:55	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	22374	No

43	GOM_NL__2PRFIN20060611_034223_000000392048_00276_22374_0704.N1	11-JUN-2006 03:42:23	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	22374	No
44	GOM_NL__2PRFIN20060611_034532_000000412048_00276_22374_0705.N1	11-JUN-2006 03:45:32	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	22374	No
45	GOM_NL__2PRFIN20060611_035235_000000402048_00276_22374_0706.N1	11-JUN-2006 03:52:35	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	22374	No
46	GOM_NL__2PRFIN20060611_040927_000000392048_00276_22374_0707.N1	11-JUN-2006 04:09:27	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	22374	No
47	GOM_NL__2PRFIN20060611_041524_000000392048_00276_22374_0708.N1	11-JUN-2006 04:15:24	Bright	39.000	73	57Gam1And	2.2600	13100.	78	22374	No
48	GOM_NL__2PRFIN20060611_041744_000000622048_00276_22374_0709.N1	11-JUN-2006 04:17:44	Twilight	61.500	53	43Bet And	2.0480	3300.0	123	22374	No
49	GOM_NL__2PRFIN20060611_042103_000000462048_00276_22374_0710.N1	11-JUN-2006 04:21:03	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	22374	No
50	GOM_NL__2PRFIN20060611_043554_000000542048_00276_22374_0711.N1	11-JUN-2006 04:35:54	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	22374	No
51	GOM_NL__2PRFIN20060611_044221_000000452048_00276_22374_0712.N1	11-JUN-2006 04:42:21	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	22374	No
52	GOM_NL__2PRFIN20060611_044819_000000642048_00277_22375_0695.N1	11-JUN-2006 04:48:19	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	22375	No
53	GOM_NL__2PRFIN20060611_045020_000000502048_00277_22375_0696.N1	11-JUN-2006 04:50:20	Dark	50.000	31	Alp Gru	1.7340	15200.	100	22375	No
54	GOM_NL__2PRFIN20060611_045436_000000432048_00277_22375_0697.N1	11-JUN-2006 04:54:36	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	22375	No
55	GOM_NL__2PRFIN20060611_050306_000000432048_00277_22375_0698.N1	11-JUN-2006 05:03:06	Straylight	43.000	40	The Sco	1.8590	7100.0	86	22375	No
56	GOM_NL__2PRFIN20060611_050450_000000442048_00277_22375_0699.N1	11-JUN-2006 05:04:50	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	22375	No
57	GOM_NL__2PRFIN20060611_050612_000000502048_00277_22375_0700.N1	11-JUN-2006 05:06:12	Twilight	50.000	167	10Gam2Sgr	2.9840	4500.0	100	22375	No
58	GOM_NL__2PRFIN20060611_051139_000000412048_00277_22375_0701.N1	11-JUN-2006 05:11:39	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	22375	No
59	GOM_NL__2PRFIN20060611_051325_000000372048_00277_22375_0702.N1	11-JUN-2006 05:13:25	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	22375	No
60	GOM_NL__2PRFIN20060611_051531_000000372048_00277_22375_0703.N1	11-JUN-2006 05:15:31	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	22375	No
61	GOM_NL__2PRFIN20060611_052258_000000372048_00277_22375_0704.N1	11-JUN-2006 05:22:58	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	22375	No
62	GOM_NL__2PRFIN20060611_052608_000000372048_00277_22375_0705.N1	11-JUN-2006 05:26:08	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22375	No
63	GOM_NL__2PRFIN20060611_053311_000000422048_00277_22375_0706.N1	11-JUN-2006 05:33:11	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	22375	No
64	GOM_NL__2PRFIN20060611_055004_000000582048_00277_22375_0707.N1	11-JUN-2006 05:50:04	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	22375	No
65	GOM_NL__2PRFIN20060611_055600_000000392048_00277_22375_0708.N1	11-JUN-2006 05:56:00	Bright	39.000	73	57Gam1And	2.2600	13100.	78	22375	No
66	GOM_NL__2PRFIN20060611_055820_000000522048_00277_22375_0709.N1	11-JUN-2006 05:58:20	Twilight	51.500	53	43Bet And	2.0480	3300.0	103	22375	No
67	GOM_NL__2PRFIN20060611_060139_000000412048_00277_22375_0710.N1	11-JUN-2006 06:01:39	Twilight	41.000	50	13Alp Ari	2.0070	4250.0	82	22375	No
68	GOM_NL__2PRFIN20060611_061631_000000552048_00277_22375_0711.N1	11-JUN-2006 06:16:31	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	22375	No
69	GOM_NL__2PRFIN20060611_062258_000000432048_00277_22375_0712.N1	11-JUN-2006 06:22:58	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	22375	No
70	GOM_NL__2PRFIN20060611_062828_000000772048_00278_22376_0695.N1	11-JUN-2006 06:28:28	Dark	77.000	63	Bet Gru	2.1500	2800.0	154	22376	No
71	GOM_NL__2PRFIN20060611_063029_000000772048_00278_22376_0696.N1	11-JUN-2006 06:30:29	Dark	76.500	31	Alp Gru	1.7340	15200.	153	22376	No
72	GOM_NL__2PRFIN20060611_063447_000000692048_00278_22376_0697.N1	11-JUN-2006 06:34:47	Straylight	68.500	45	Alp Pav	1.9400	26000.	137	22376	No
73	GOM_NL__2PRFIN20060611_064317_000000682048_00278_22376_0698.N1	11-JUN-2006 06:43:17	Straylight	67.500	40	The Sco	1.8590	7100.0	135	22376	No
74	GOM_NL__2PRFIN20060611_064501_000000682048_00278_22376_0699.N1	11-JUN-2006 06:45:01	Twilight	67.500	25	35Lam Sco	1.6200	28000.	135	22376	No
75	GOM_NL__2PRFIN20060611_065149_000000672048_00278_22376_0700.N1	11-JUN-2006 06:51:49	Bright	66.500	86	35Eta Oph	2.4300	10200.	133	22376	No
76	GOM_NL__2PRFIN20060611_065336_000000622048_00278_22376_0701.N1	11-JUN-2006 06:53:36	Bright	61.500	98	13Zet Oph	2.5710	30000.	123	22376	No
77	GOM_NL__2PRFIN20060611_065543_000000602048_00278_22376_0702.N1	11-JUN-2006 06:55:43	Bright	60.000	120	1Del Oph	2.7340	3200.0	120	22376	No
78	GOM_NL__2PRFIN20060611_070309_000000632048_00278_22376_0703.N1	11-JUN-2006 07:03:09	Bright	63.000	127	27Bet Her	2.7810	4700.0	126	22376	No
79	GOM_NL__2PRFIN20060611_070618_000000642048_00278_22376_0704.N1	11-JUN-2006 07:06:18	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	22376	No
80	GOM_NL__2PRFIN20060611_071320_000000682048_00278_22376_0705.N1	11-JUN-2006 07:13:20	Bright	68.000	130	23Bet Dra	2.7990	5800.0	136	22376	No
81	GOM_NL__2PRFIN20060611_073013_000000842048_00278_22376_0706.N1	11-JUN-2006 07:30:13	Bright	84.000	76	27Gam Cas	2.3000	30000.	168	22376	No
82	GOM_NL__2PRFIN20060611_073613_000000762048_00278_22376_0707.N1	11-JUN-2006 07:36:13	Bright	76.000	73	57Gam1And	2.2600	13100.	152	22376	No
83	GOM_NL__2PRFIN20060611_073829_000000882048_00278_22376_0708.N1	11-JUN-2006 07:38:29	Twilight	87.500	53	43Bet And	2.0480	3300.0	175	22376	No
84	GOM_NL__2PRFIN20060611_074152_000000702048_00278_22376_0709.N1	11-JUN-2006 07:41:52	Twilight	69.500	50	13Alp Ari	2.0070	4250.0	139	22376	No
85	GOM_NL__2PRFIN20060611_075639_000000822048_00278_22376_0710.N1	11-JUN-2006 07:56:39	Dark	81.500	52	16Bet Cet	2.0370	4500.0	163	22376	No
86	GOM_NL__2PRFIN20060611_080309_000000692048_00278_22376_0711.N1	11-JUN-2006 08:03:09	Dark	69.000	84	Alp Phe	2.3970	4500.0	138	22376	No
87	GOM_NL__2PRFIN20060611_080905_000000932048_00279_22377_0695.N1	11-JUN-2006 08:09:05	Dark	92.500	63	Bet Gru	2.1500	2800.0	185	22377	No
88	GOM_NL__2PRFIN20060611_081105_000000812048_00279_22377_0696.N1	11-JUN-2006 08:11:05	Dark	80.500	31	Alp Gru	1.7340	15200.	161	22377	No
89	GOM_NL__2PRFIN20060611_081523_000000742048_00279_22377_0697.N1	11-JUN-2006 08:15:23	Straylight	74.000	45	Alp Pav	1.9400	26000.	148	22377	No
90	GOM_NL__2PRFIN20060611_082354_000000652048_00279_22377_0698.N1	11-JUN-2006 08:23:54	Straylight	65.000	40	The Sco	1.8590	7100.0	130	22377	No
91	GOM_NL__2PRFIN20060611_082538_000000682048_00279_22377_0699.N1	11-JUN-2006 08:25:38	Twilight	67.500	25	35Lam Sco	1.6200	28000.	135	22377	No
92	GOM_NL__2PRFIN20060611_083225_000000662048_00279_22377_0700.N1	11-JUN-2006 08:32:25	Bright	65.500	86	35Eta Oph	2.4300	10200.	131	22377	No
93	GOM_NL__2PRFIN20060611_083412_000000622048_00279_22377_0701.N1	11-JUN-2006 08:34:12	Bright	62.000	98	13Zet Oph	2.5710	30000.	124	22377	No
94	GOM_NL__2PRFIN20060611_083619_000000602048_00279_22377_0702.N1	11-JUN-2006 08:36:19	Bright	60.000	120	1Del Oph	2.7340	3200.0	120	22377	No
95	GOM_NL__2PRFIN20060611_084345_000000642048_00279_22377_0703.N1	11-JUN-2006 08:43:45	Bright	64.000	127	27Bet Her	2.7810	4700.0	128	22377	No
96	GOM_NL__2PRFIN20060611_084654_000000642048_00279_22377_0704.N1	11-JUN-2006 08:46:54	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	22377	No
97	GOM_NL__2PRFIN20060611_085355_000000662048_00279_22377_0705.N1	11-JUN-2006 08:53:55	Bright	65.500	130	23Bet Dra	2.7990	5800.0	131	22377	No
98	GOM_NL__2PRFIN20060611_091049_000000842048_00279_22377_0706.N1	11-JUN-2006 09:10:49	Bright	84.000	76	27Gam Cas	2.3000	30000.	168	22377	No
99	GOM_NL__2PRFIN20060611_091648_000000622048_00279_22377_0707.N1	11-JUN-2006 09:16:48	Bright	62.000	73	57Gam1And	2.2600	13100.	124	22377	No
100	GOM_NL__2PRFIN20060611_091905_000000842048_00279_22377_0708.N1	11-JUN-2006 09:19:05	Twilight	84.000	53	43Bet And	2.0480	3300.0	168	22377	No
101	GOM_NL__2PRFIN20060611_092228_000000702048_00279_22377_0709.N1	11-JUN-2006 09:22:28	Twilight	69.500	50	13Alp Ari	2.0070	4250.0	139	22377	No

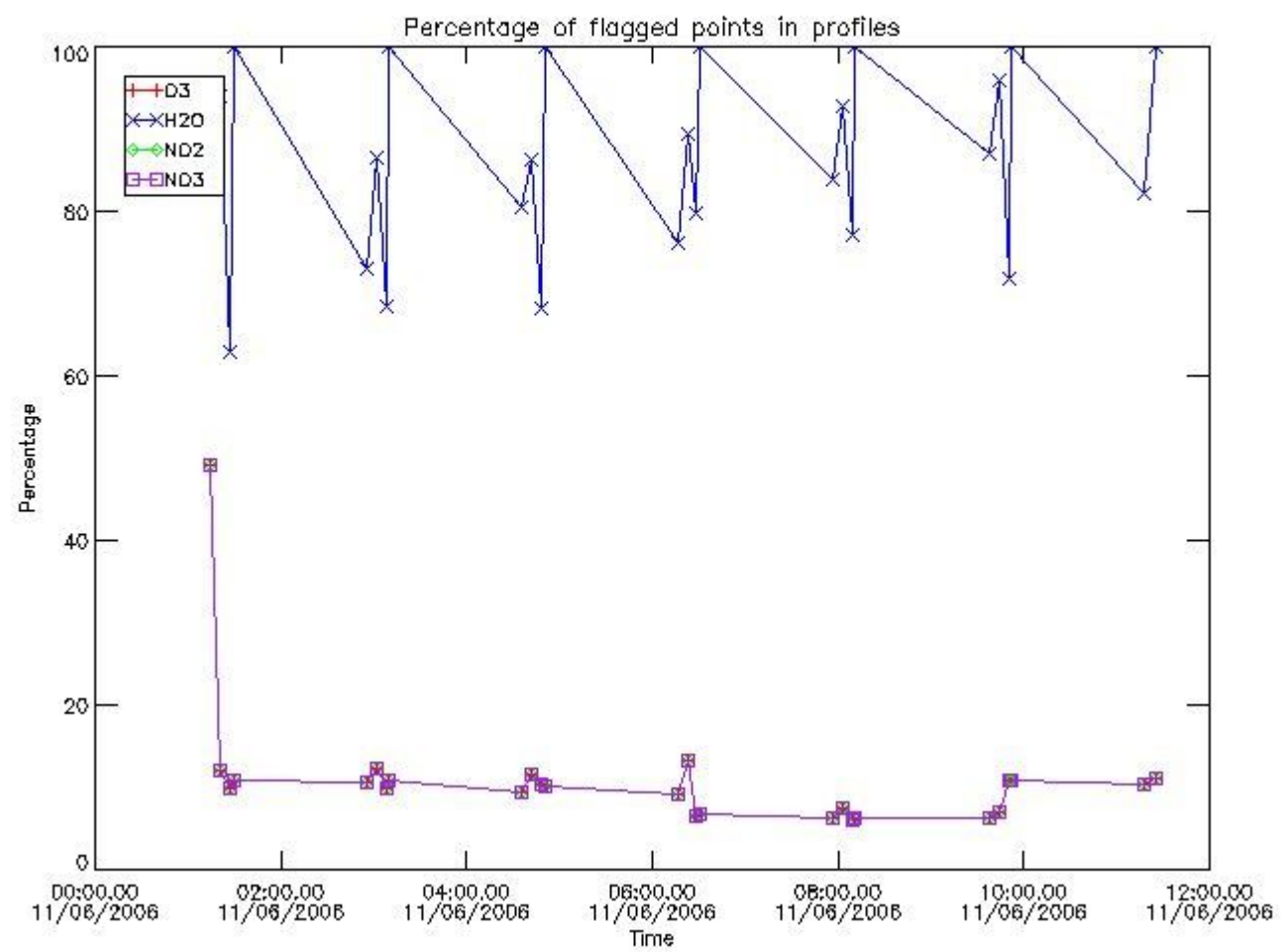
102	GOM_NL__2PRFIN20060611_093716_000000822048_00279_22377_0710.N1	11-JUN-2006 09:37:16	Dark	81.500	52	16Bet Cet	2.0370	4500.0	163	22377	No
103	GOM_NL__2PRFIN20060611_094345_000000722048_00279_22377_0711.N1	11-JUN-2006 09:43:45	Dark	72.000	84	Alp Phe	2.3970	4500.0	144	22377	No
104	GOM_NL__2PRFIN20060611_095010_000000472048_00280_22378_0695.N1	11-JUN-2006 09:50:10	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	22378	No
105	GOM_NL__2PRFIN20060611_095211_000000482048_00280_22378_0696.N1	11-JUN-2006 09:52:11	Dark	47.500	31	Alp Gru	1.7340	15200.	95	22378	No
106	GOM_NL__2PRFIN20060611_095626_000000412048_00280_22378_0697.N1	11-JUN-2006 09:56:26	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	22378	No
107	GOM_NL__2PRFIN20060611_100455_000000472048_00280_22378_0698.N1	11-JUN-2006 10:04:55	Straylight	46.500	40	The Sco	1.8590	7100.0	93	22378	No
108	GOM_NL__2PRFIN20060611_100639_000000462048_00280_22378_0699.N1	11-JUN-2006 10:06:39	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	22378	No
109	GOM_NL__2PRFIN20060611_100801_000000502048_00280_22378_0700.N1	11-JUN-2006 10:08:01	Twilight	49.500	167	10Gam2Sgr	2.9840	4500.0	99	22378	No
110	GOM_NL__2PRFIN20060611_101327_000000412048_00280_22378_0701.N1	11-JUN-2006 10:13:27	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	22378	No
111	GOM_NL__2PRFIN20060611_101513_000000382048_00280_22378_0702.N1	11-JUN-2006 10:15:13	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	22378	No
112	GOM_NL__2PRFIN20060611_101719_000000362048_00280_22378_0703.N1	11-JUN-2006 10:17:19	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	22378	No
113	GOM_NL__2PRFIN20060611_102446_000000362048_00280_22378_0704.N1	11-JUN-2006 10:24:46	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	22378	No
114	GOM_NL__2PRFIN20060611_102755_000000402048_00280_22378_0705.N1	11-JUN-2006 10:27:55	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	22378	No
115	GOM_NL__2PRFIN20060611_103457_000000412048_00280_22378_0706.N1	11-JUN-2006 10:34:57	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	22378	No
116	GOM_NL__2PRFIN20060611_105151_000000392048_00280_22378_0707.N1	11-JUN-2006 10:51:51	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	22378	No
117	GOM_NL__2PRFIN20060611_105748_000000402048_00280_22378_0708.N1	11-JUN-2006 10:57:48	Bright	39.500	73	57Gam1And	2.2600	13100.	79	22378	No
118	GOM_NL__2PRFIN20060611_110008_000000622048_00280_22378_0709.N1	11-JUN-2006 11:00:08	Twilight	62.000	53	43Bet And	2.0480	3300.0	124	22378	No
119	GOM_NL__2PRFIN20060611_110327_000000472048_00280_22378_0710.N1	11-JUN-2006 11:03:27	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	22378	No
120	GOM_NL__2PRFIN20060611_111821_000000542048_00280_22378_0711.N1	11-JUN-2006 11:18:21	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	22378	No
121	GOM_NL__2PRFIN20060611_112447_000000462048_00280_22378_0712.N1	11-JUN-2006 11:24:47	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	22378	No

### 3. Quality information per product

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

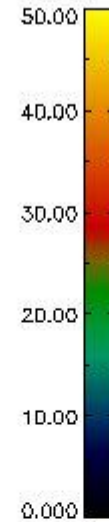
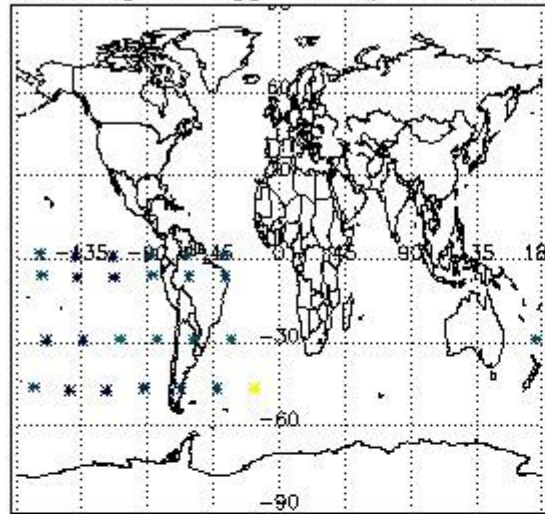
#### 3.1 Plot quality information per product (time dependant)



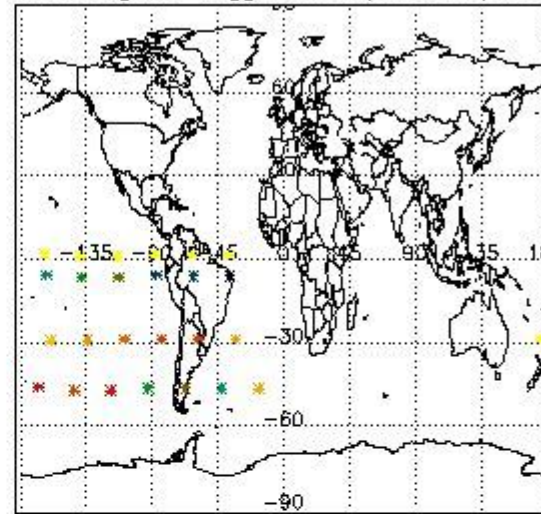


3.2 Plot quality information per product (world map)

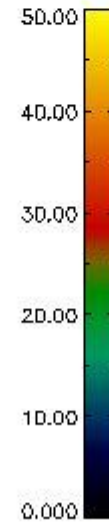
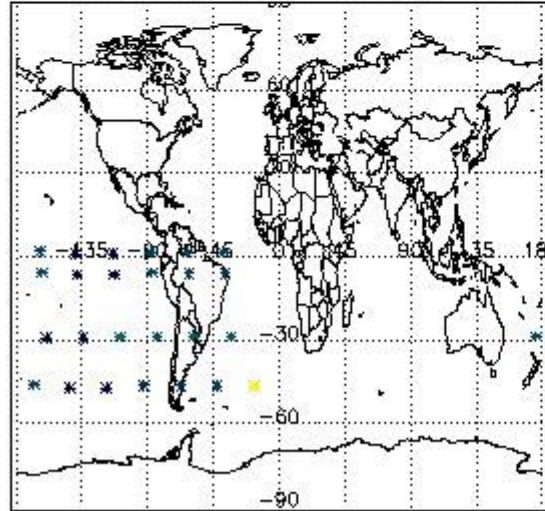
Percentage of flagged data per O3 profile



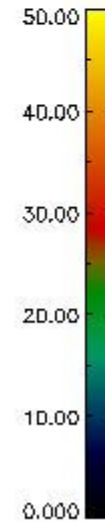
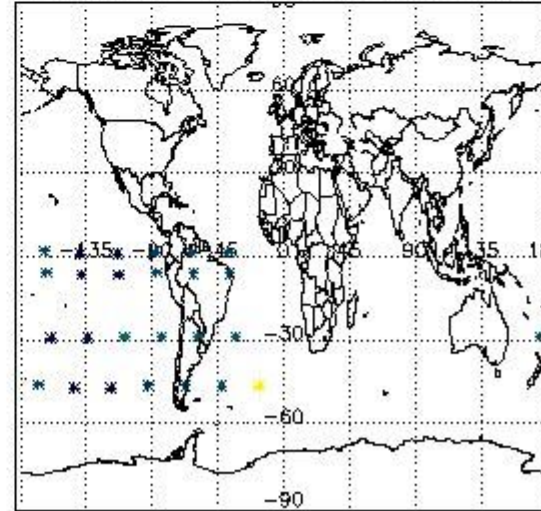
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

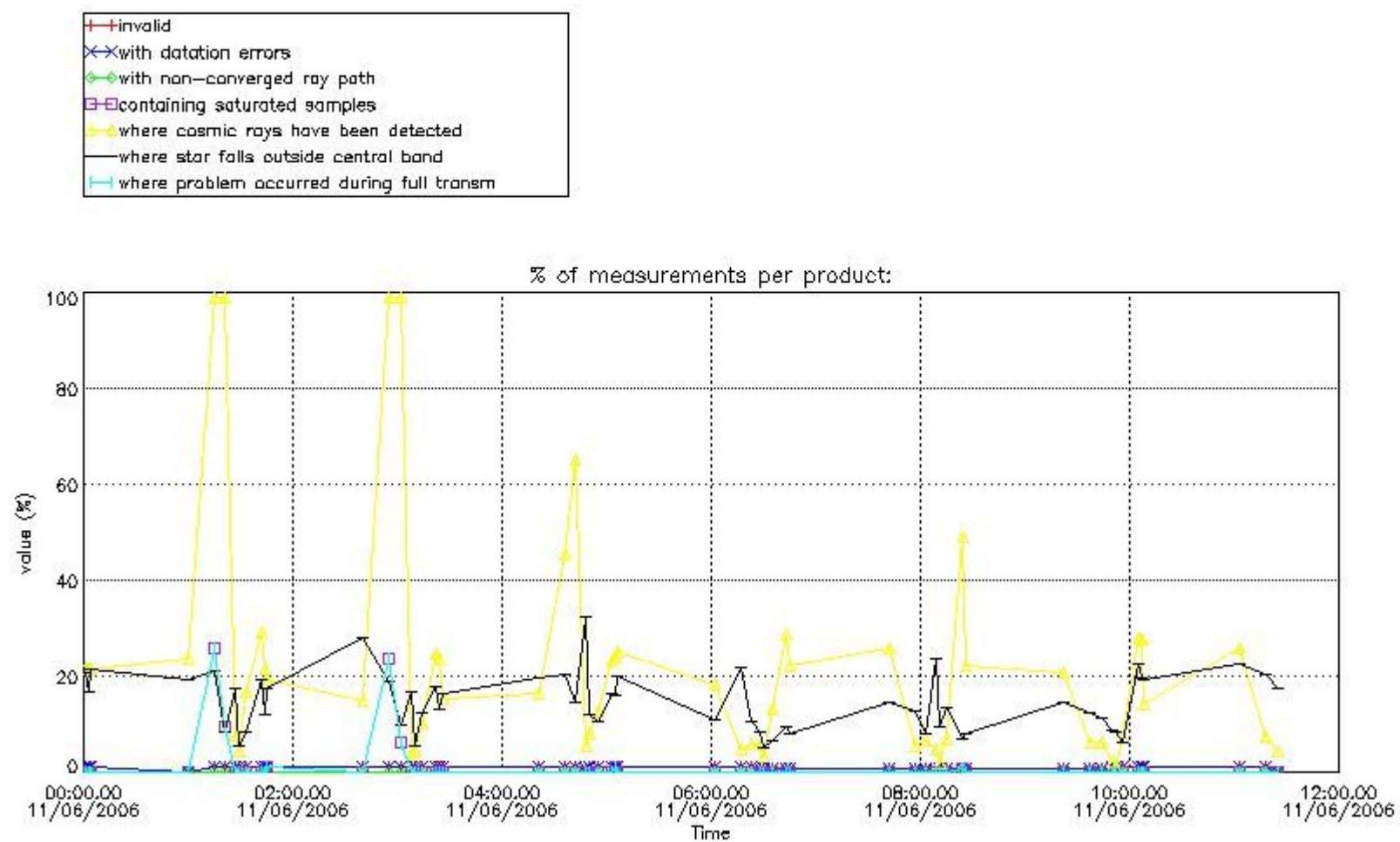


#### 4. Level 1 quality information per product

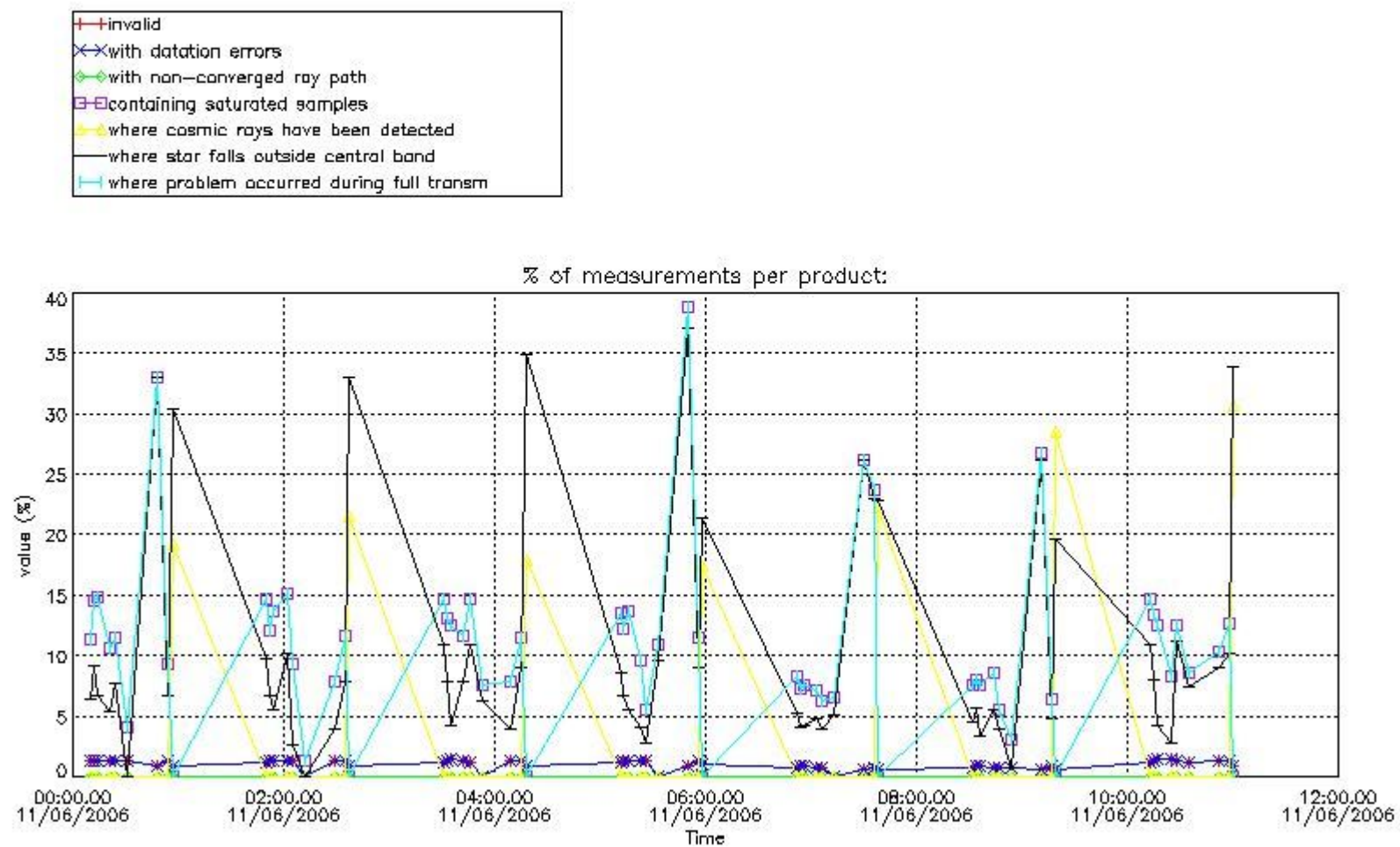
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

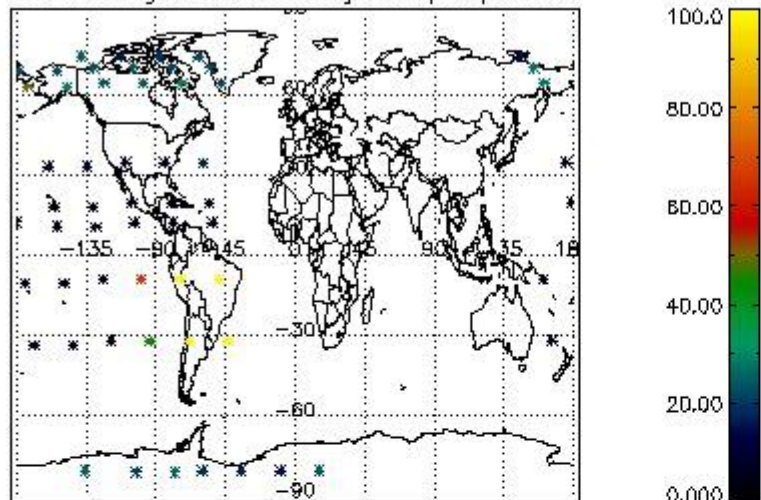


4.2 Plot quality information per product coming from level 1b processing (world map)

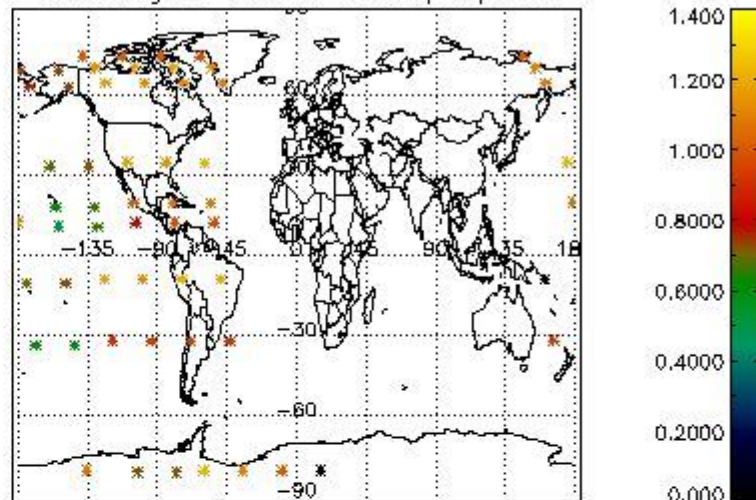
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



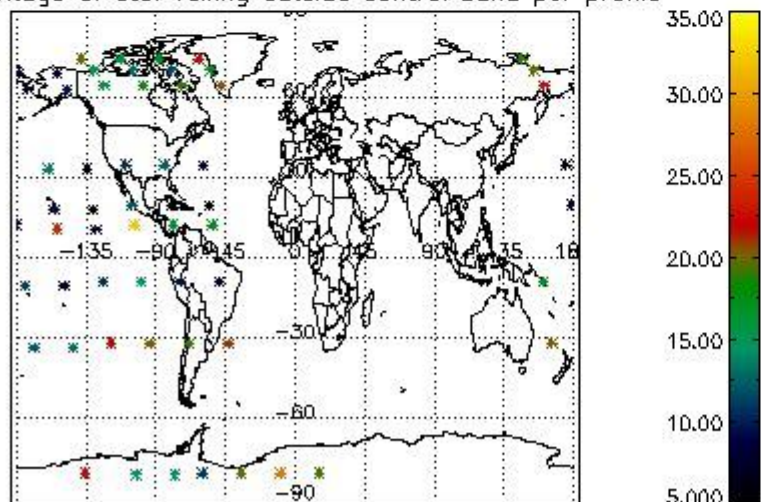
Percentage of cosmic ray hits per profile



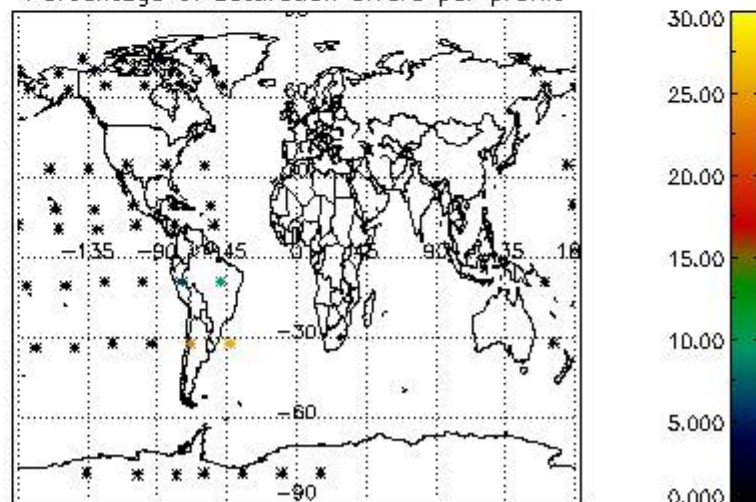
Percentage of datation errors per profile



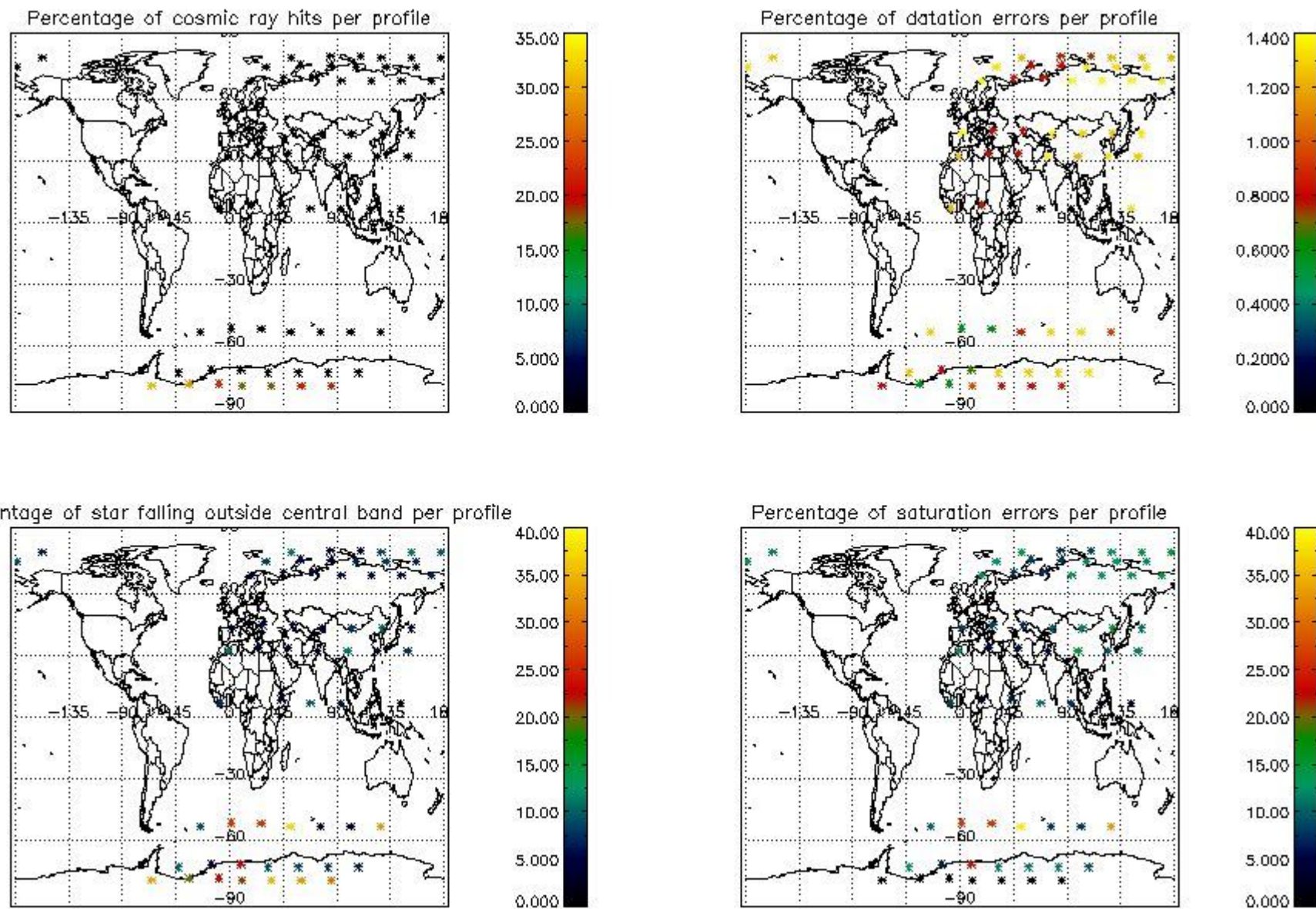
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

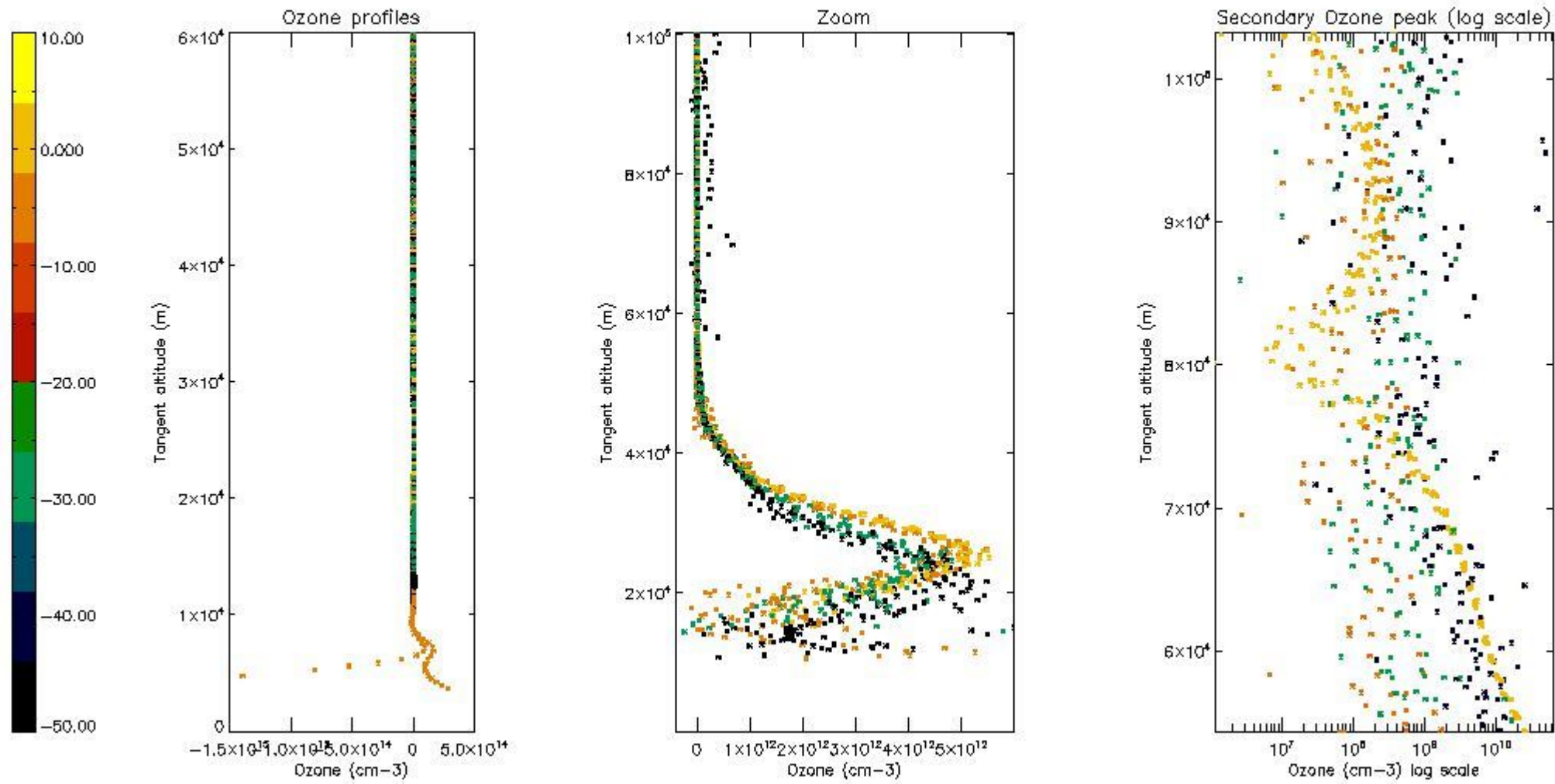
Criteria	% of total production
All STD	25
STD < 20	7



STD < 10	5
STD < 5	3

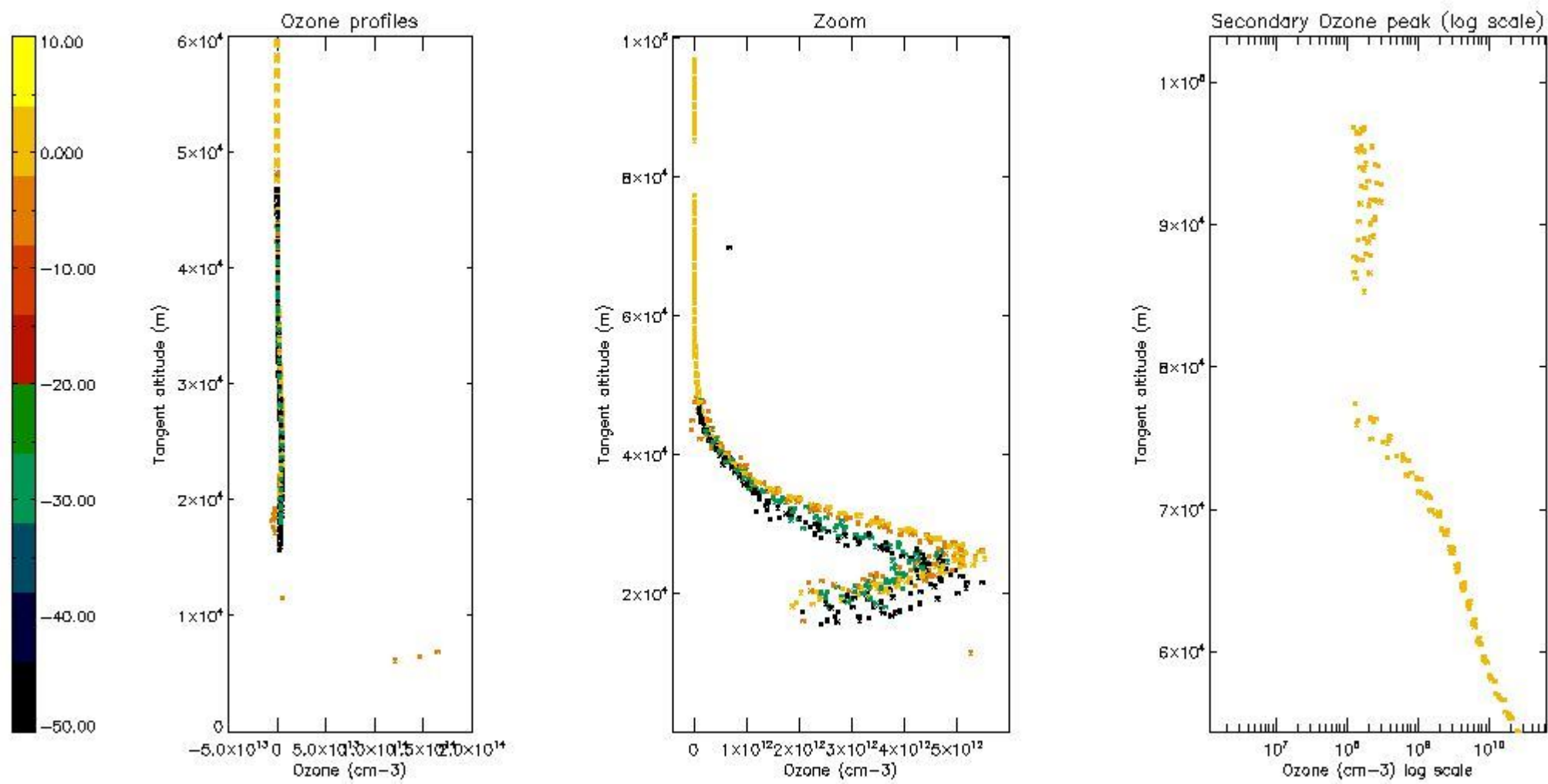
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

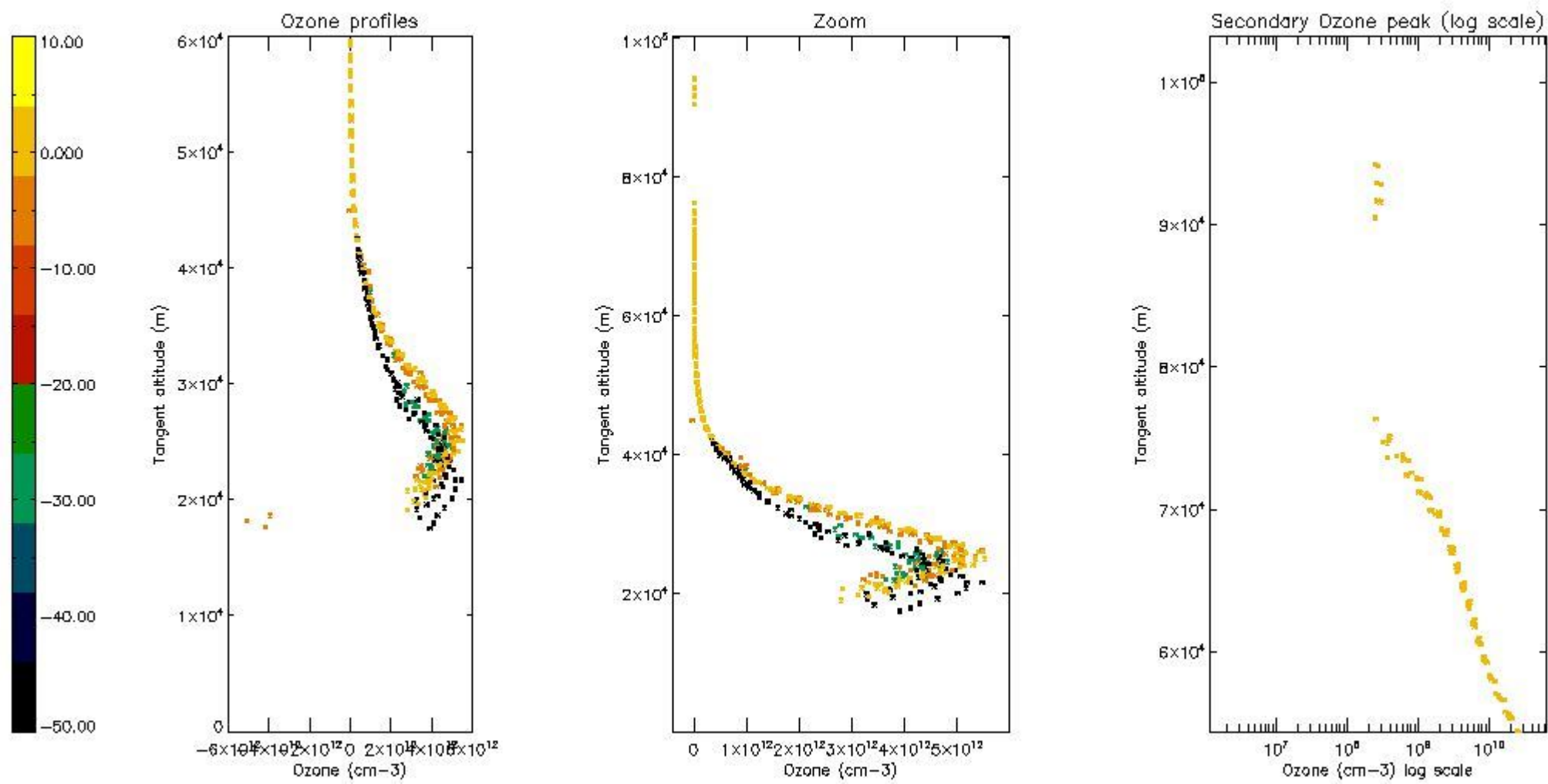
The colorbar represents the latitude.



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

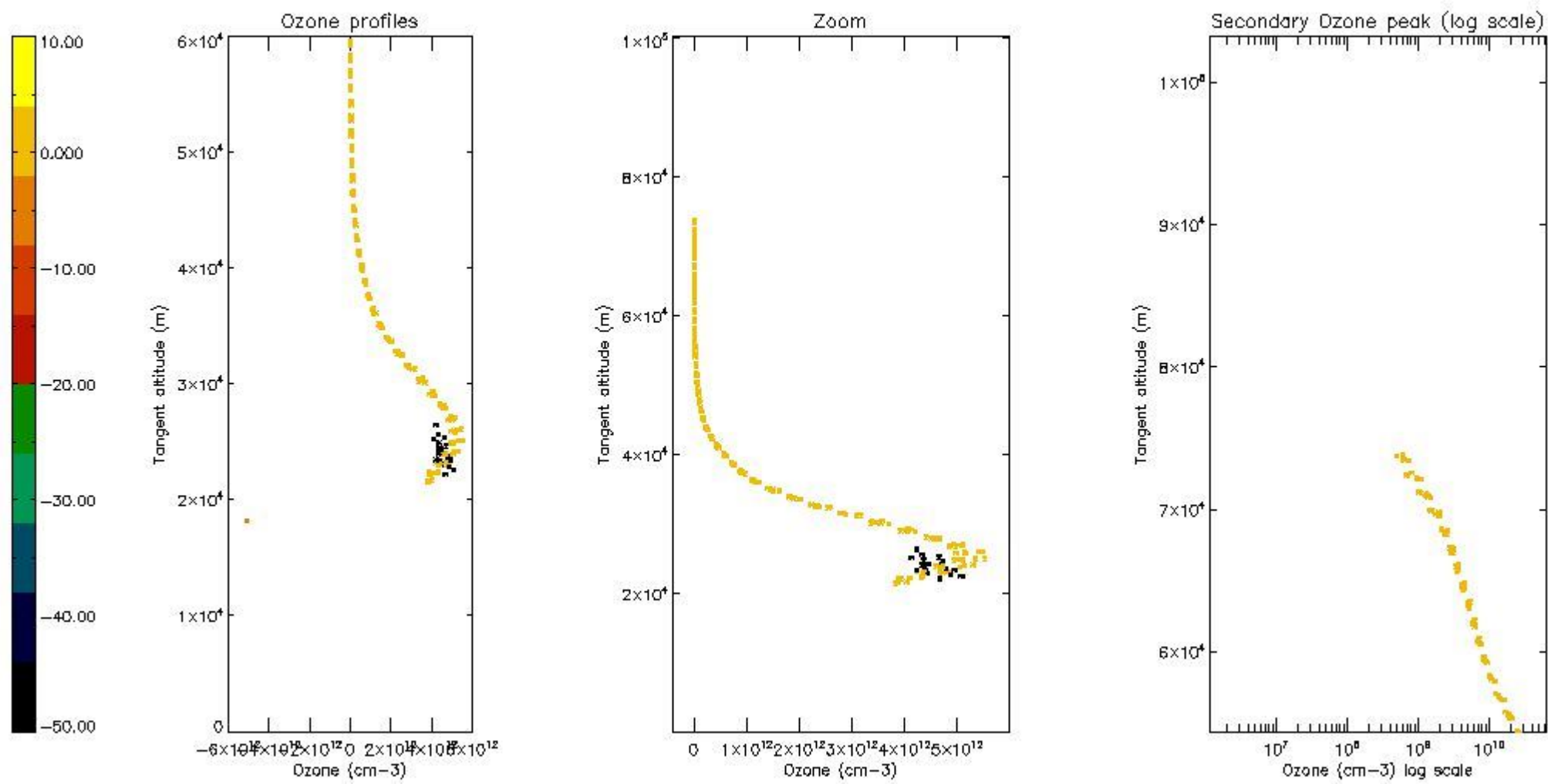
The colorbar represents the latitude.





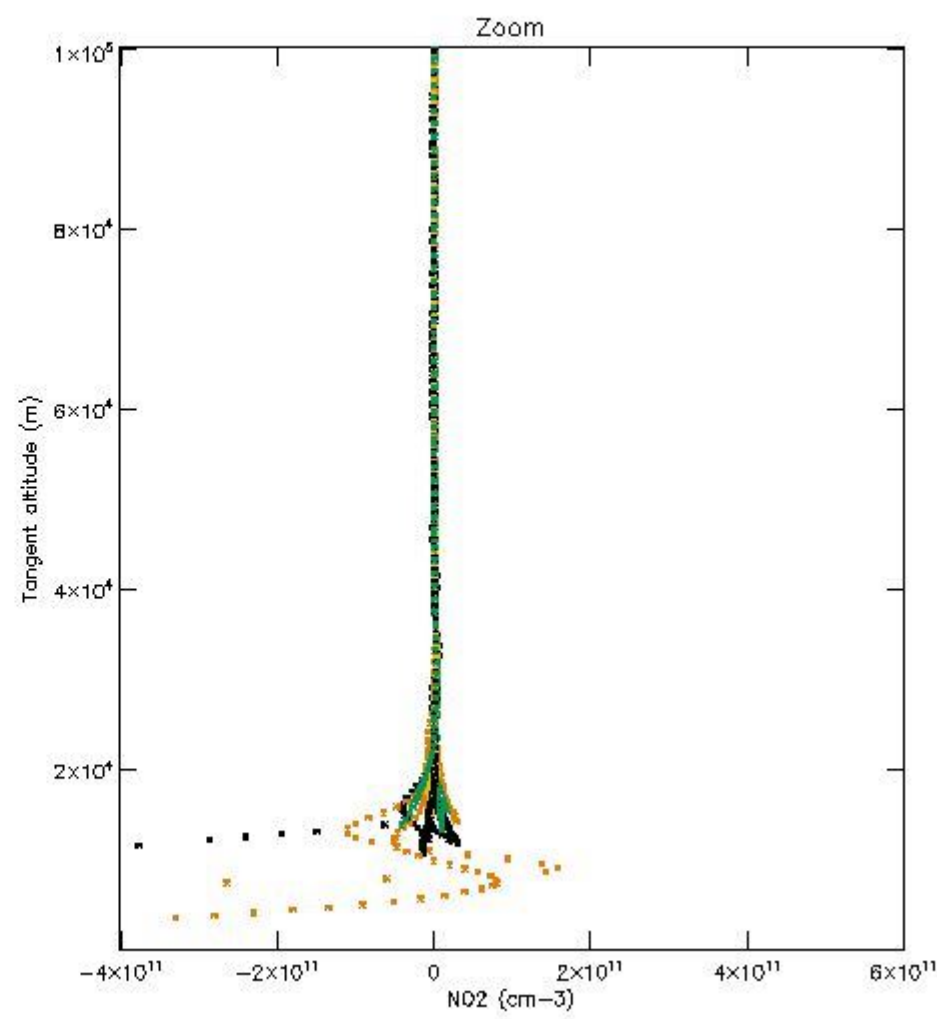
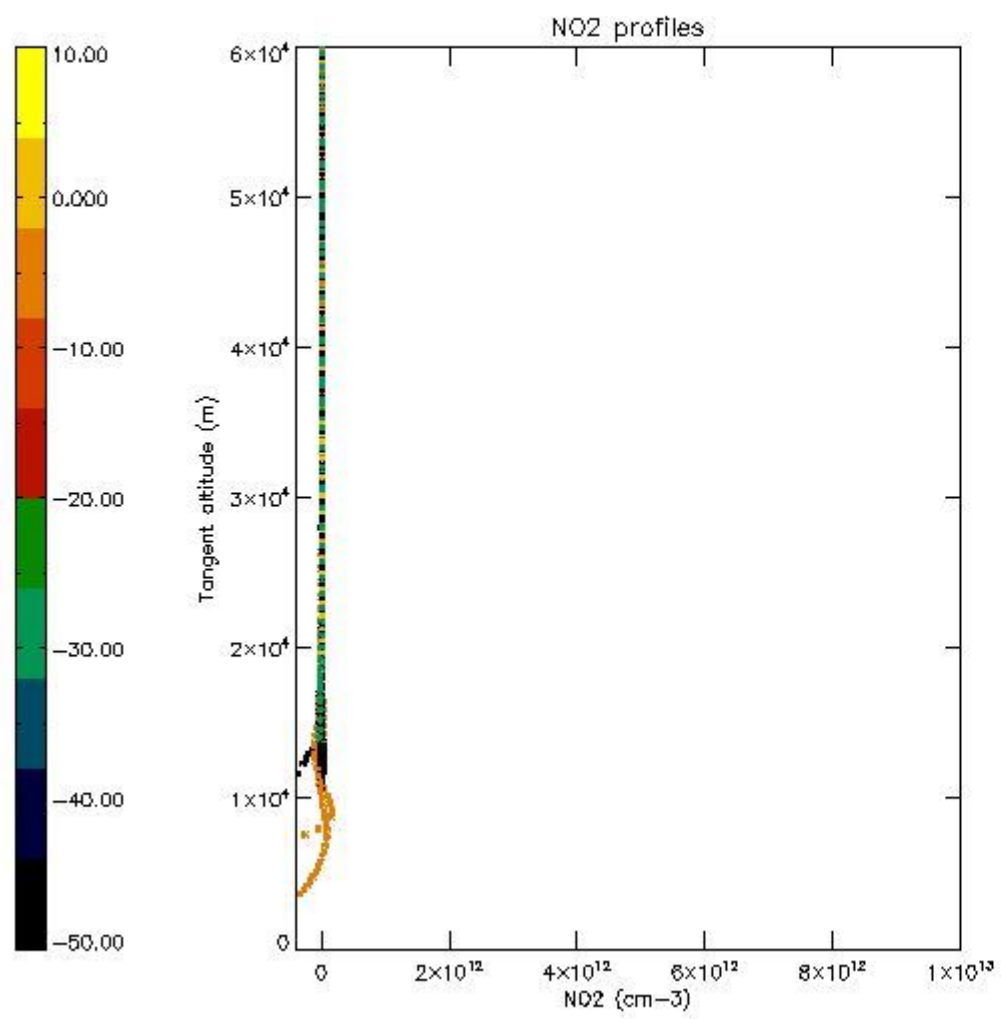
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



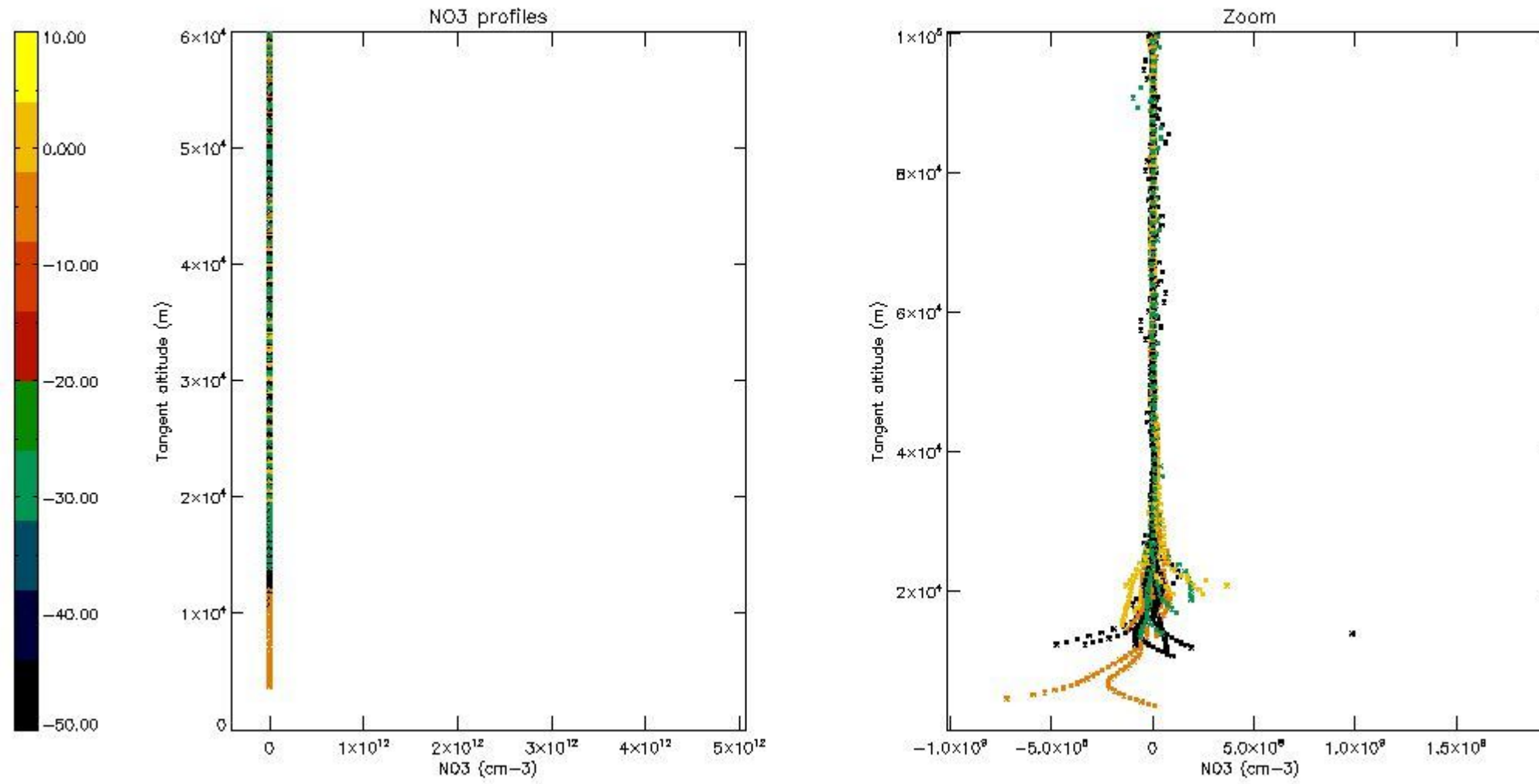
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

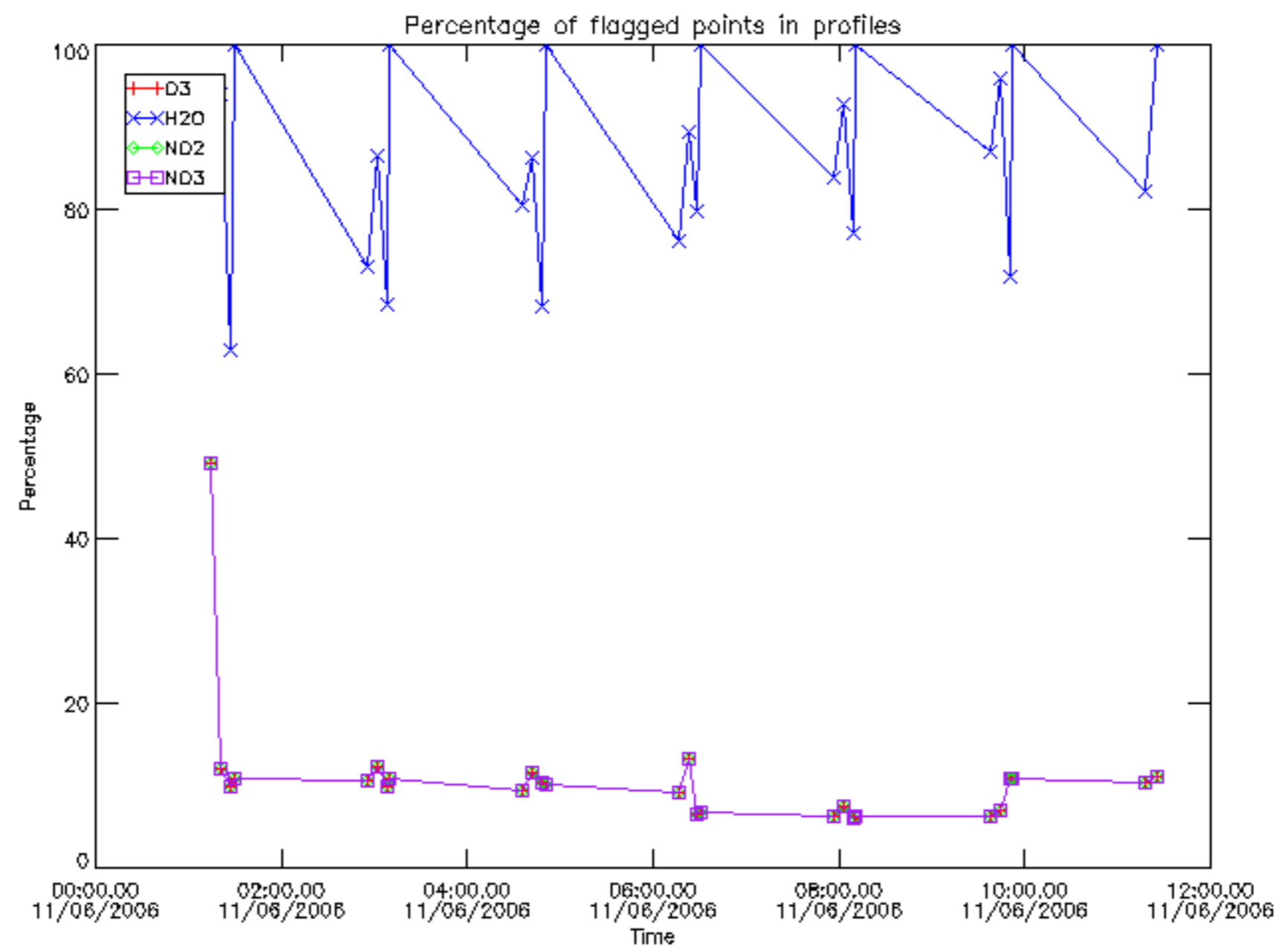


## 6. Auxiliary Data Files used for the production reported in section 2

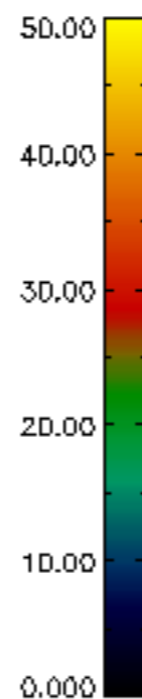
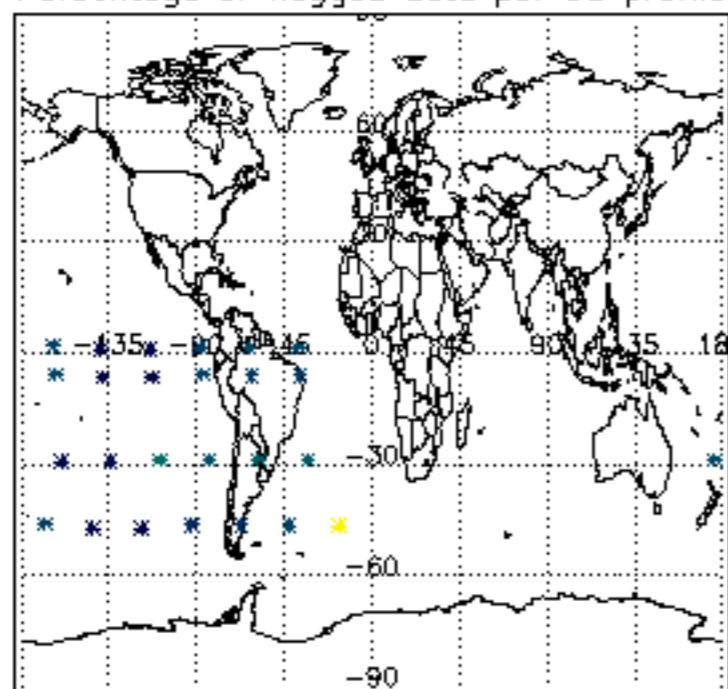
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-JUN-2006 00:01:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-JUN-2006 00:01:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-JUN-2006 00:01:17

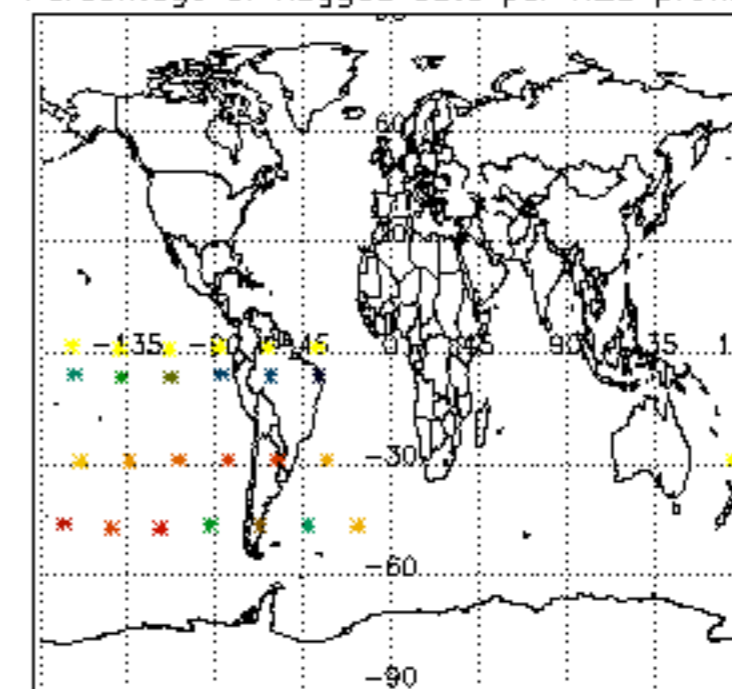




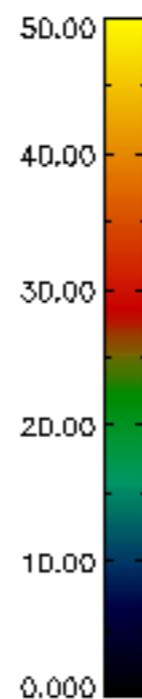
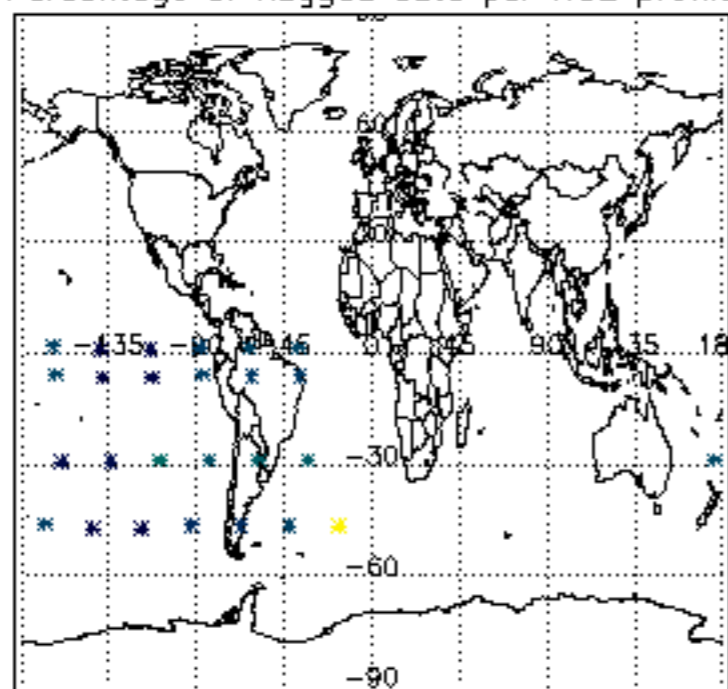
Percentage of flagged data per D3 profile



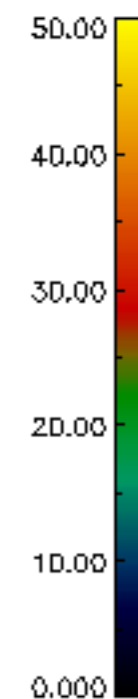
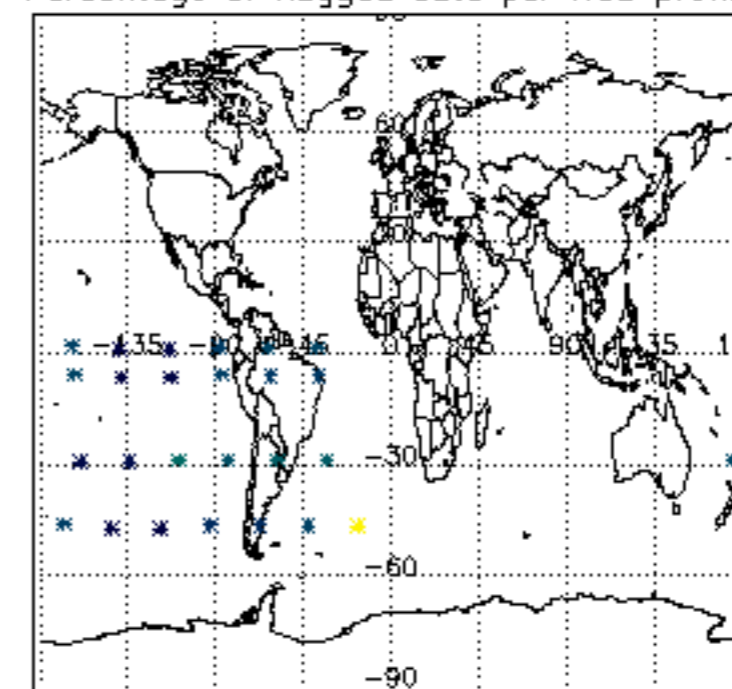
Percentage of flagged data per H2O profile

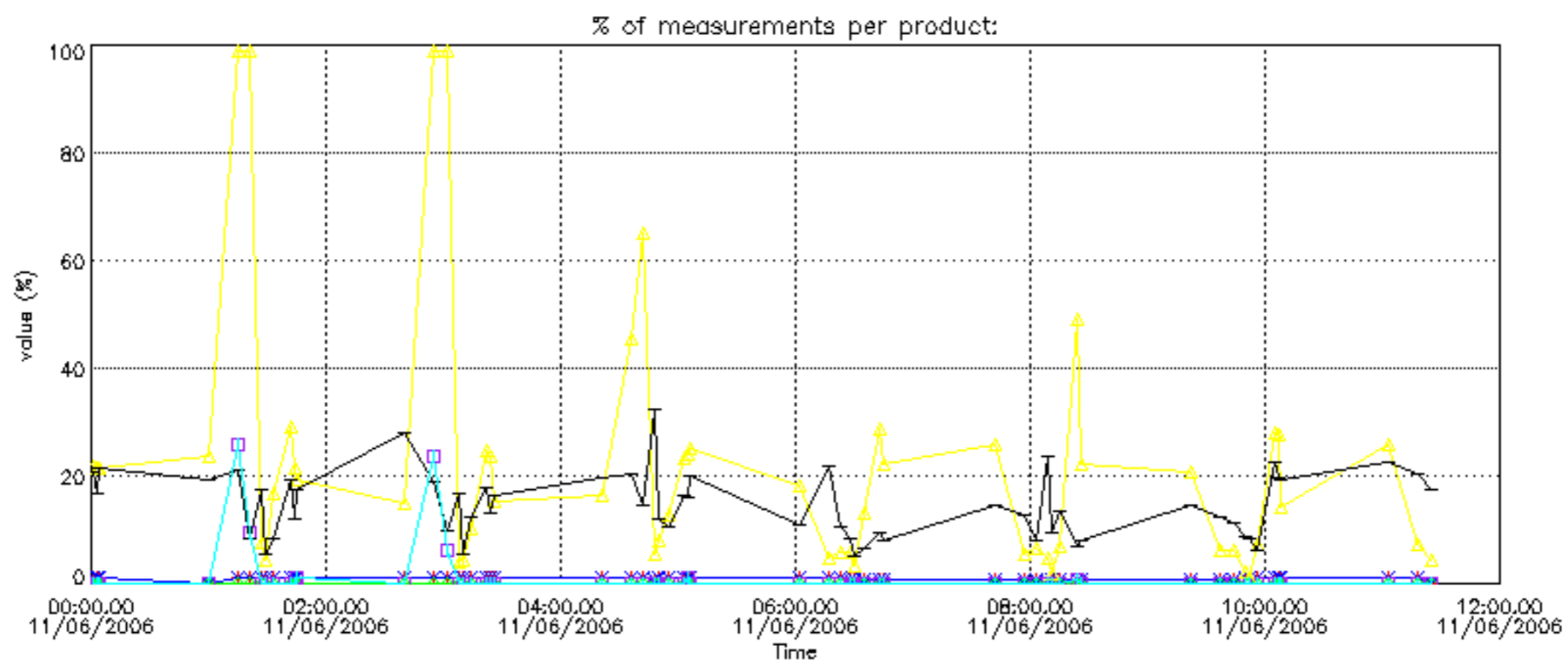
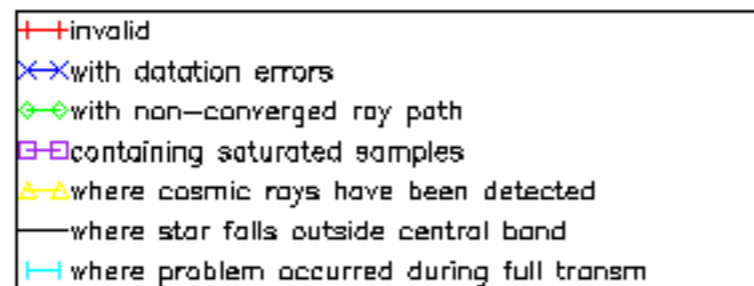


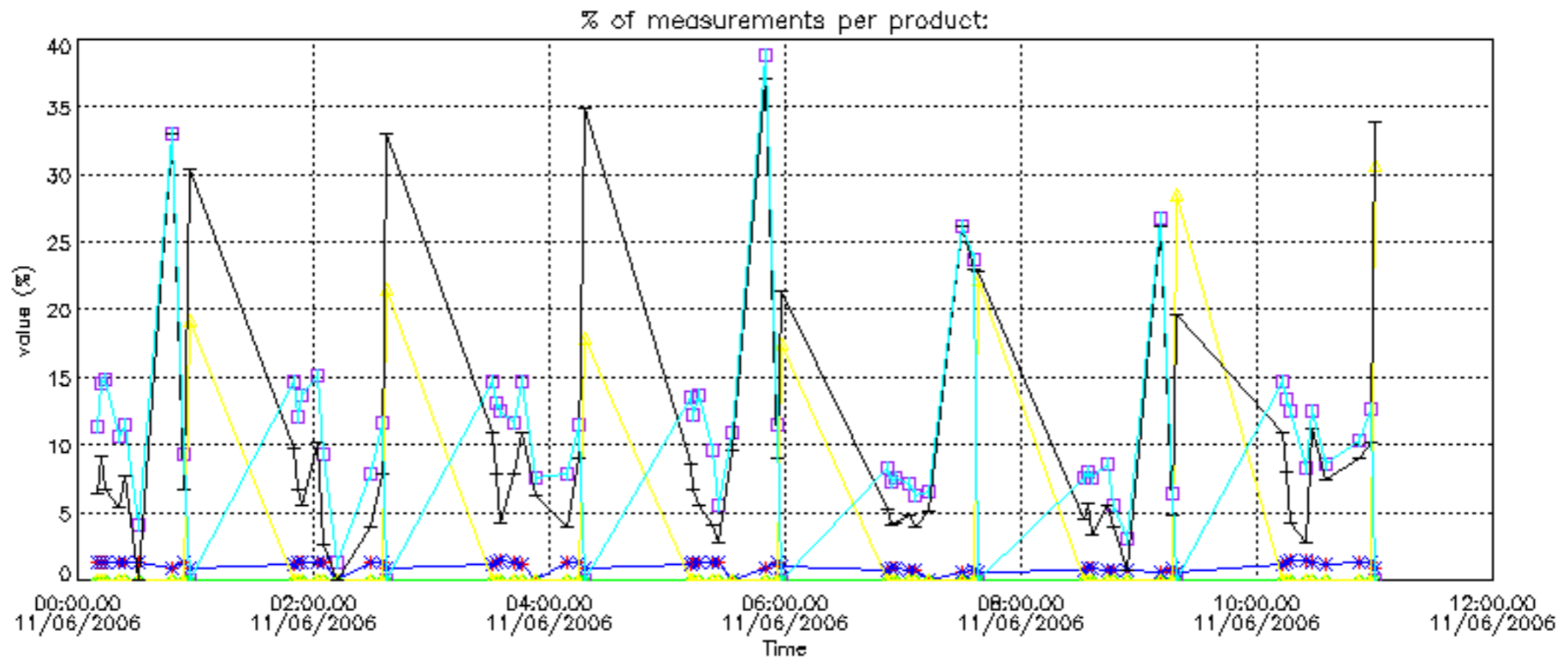
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

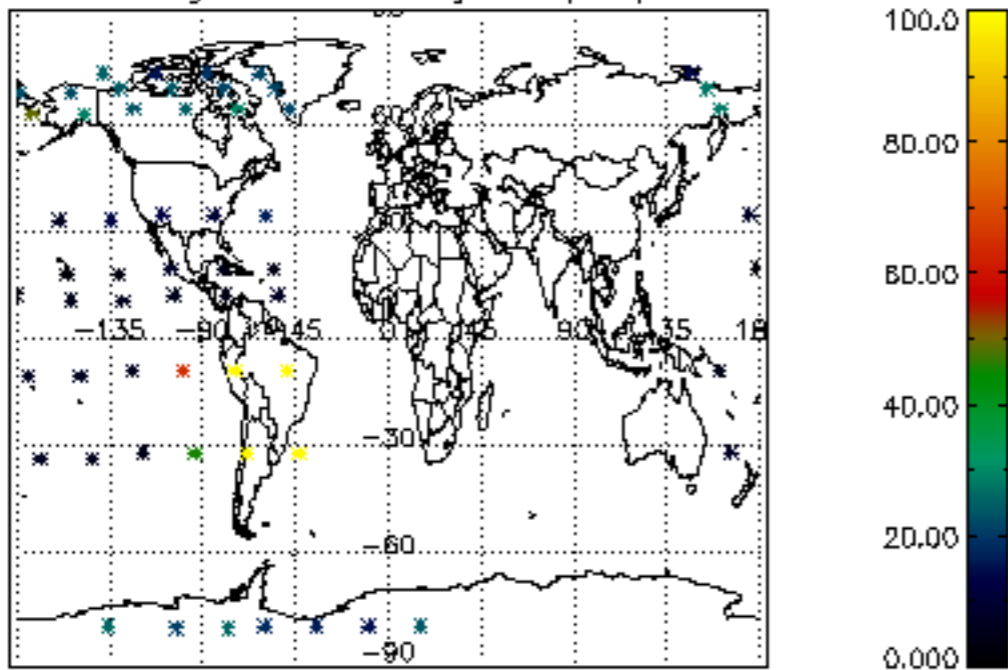




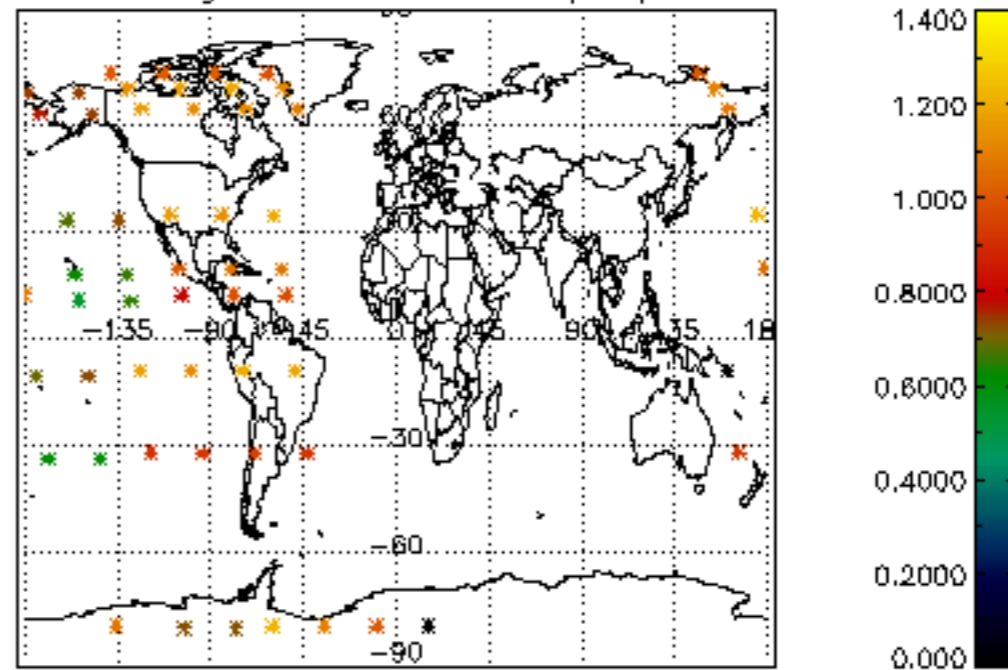




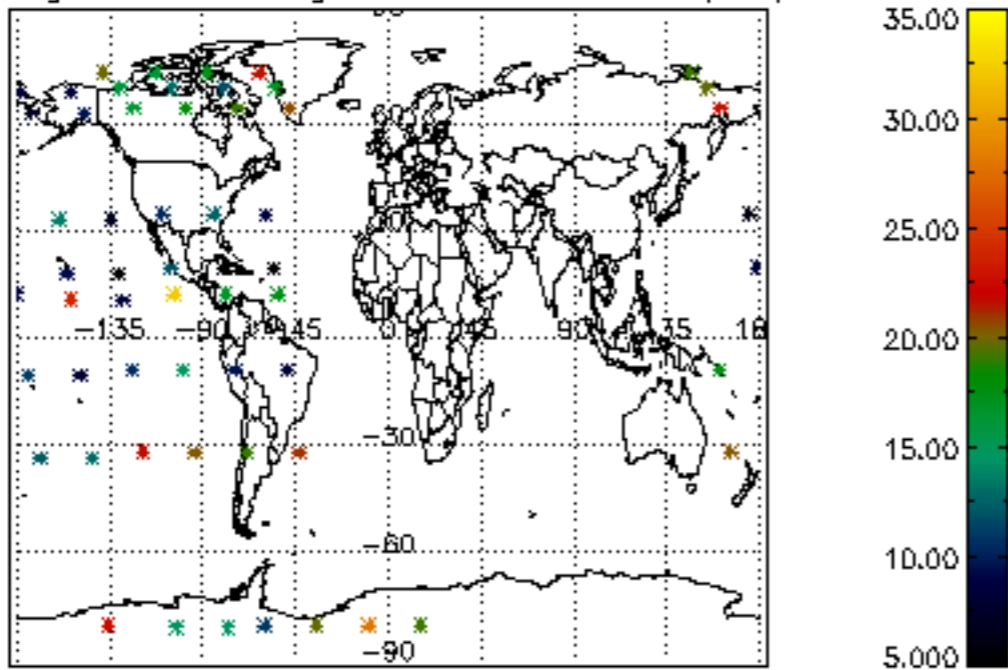
Percentage of cosmic ray hits per profile



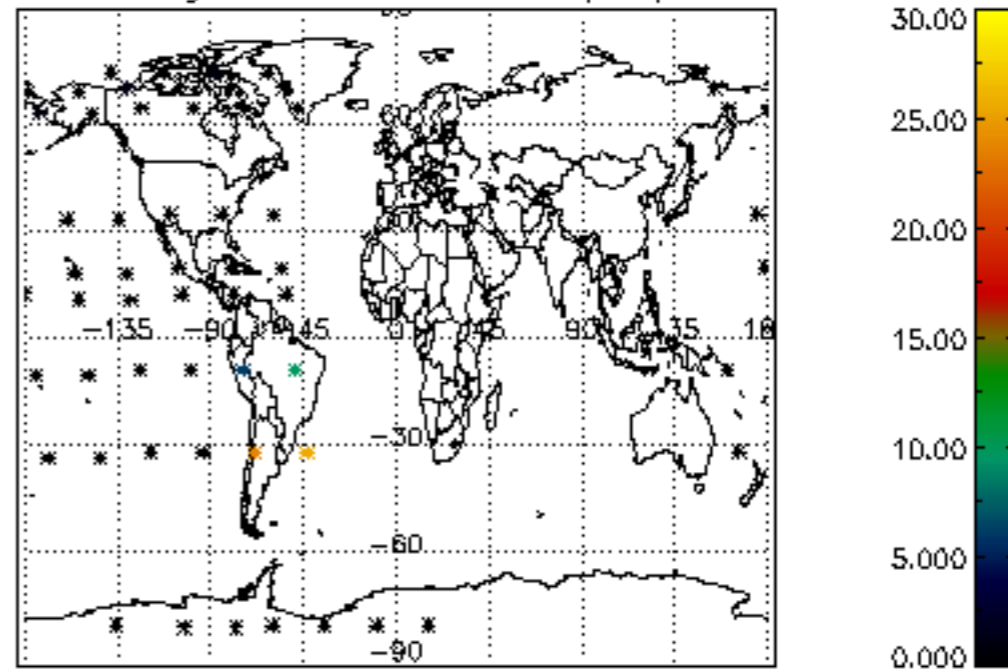
Percentage of datation errors per profile



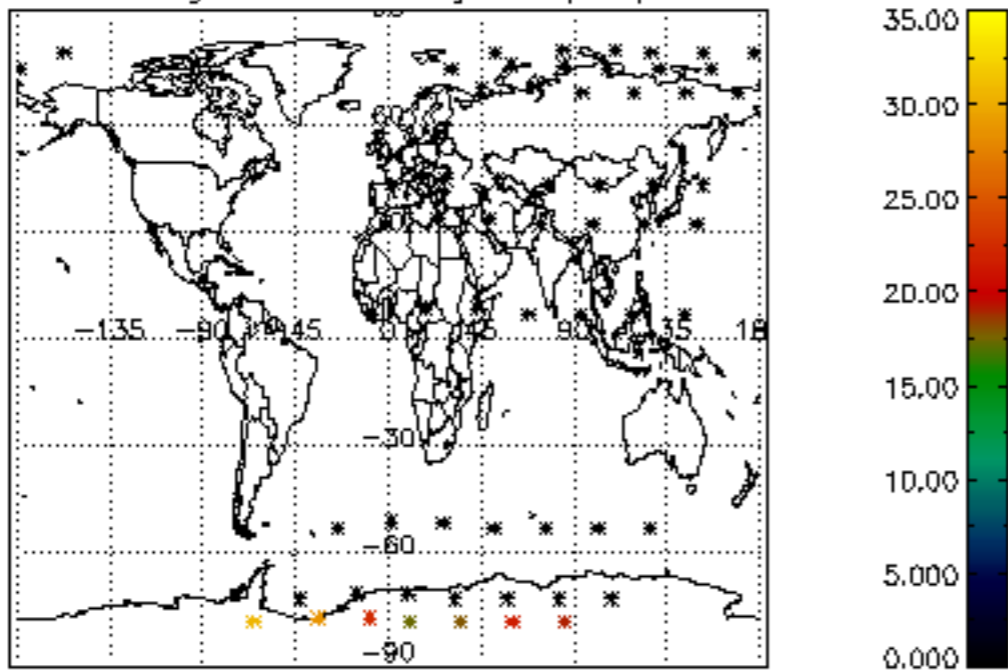
Percentage of star falling outside central band per profile



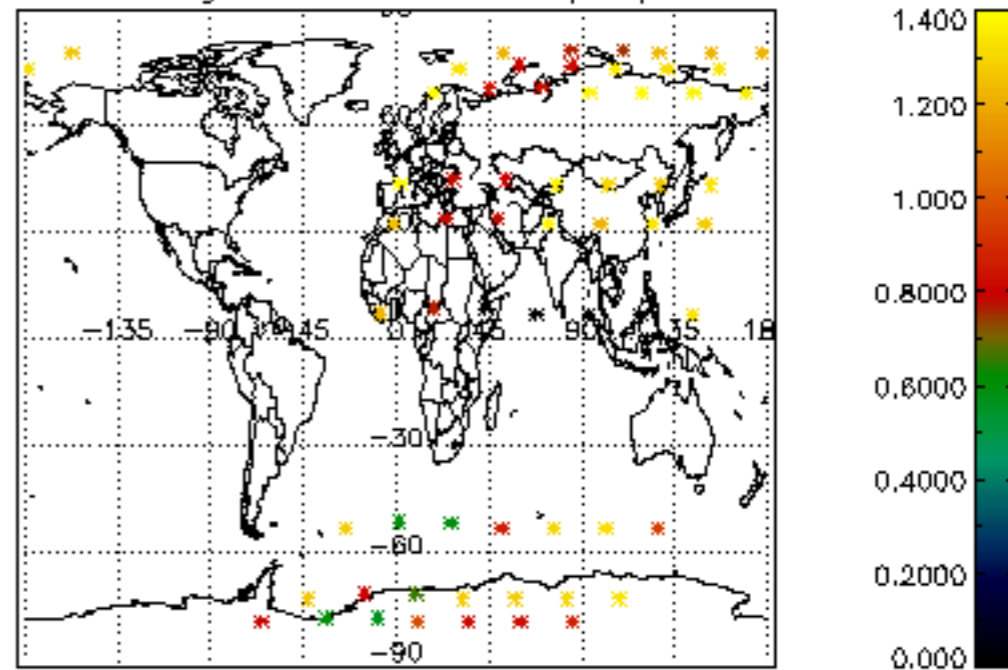
Percentage of saturation errors per profile



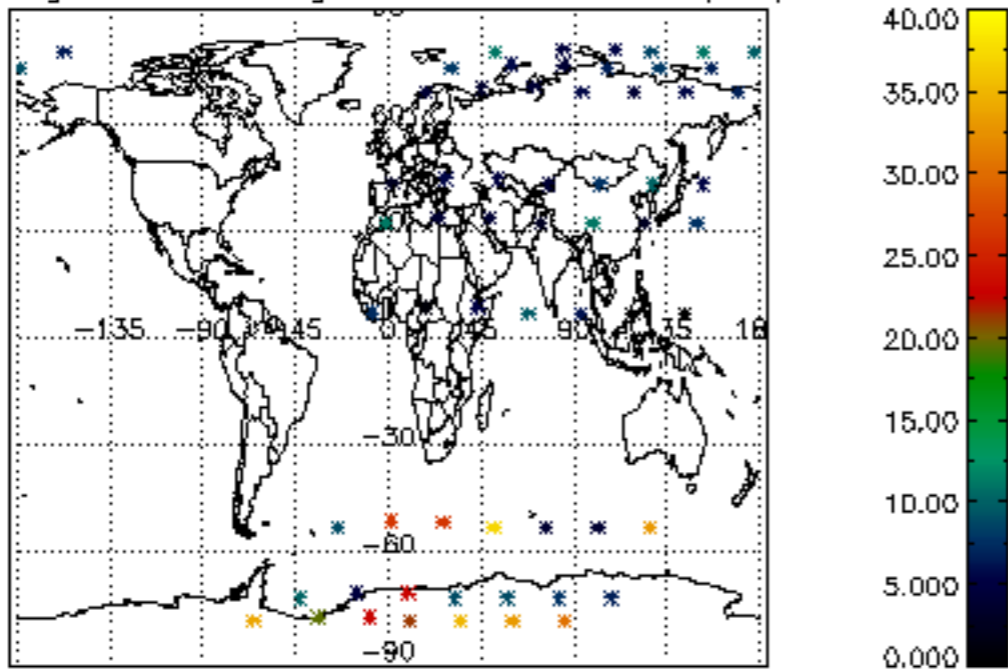
Percentage of cosmic ray hits per profile



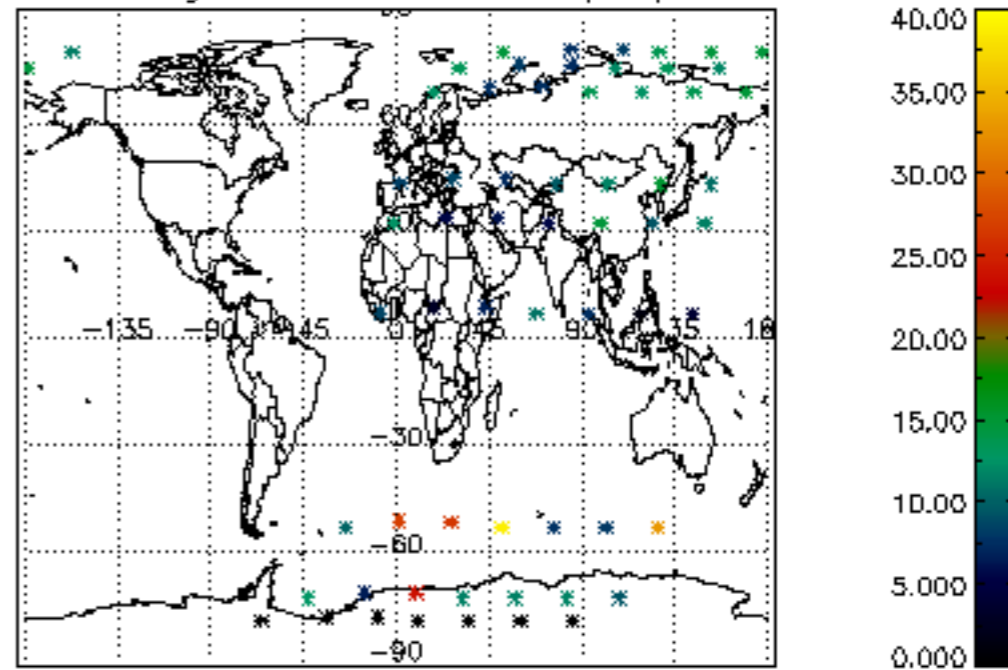
Percentage of datation errors per profile

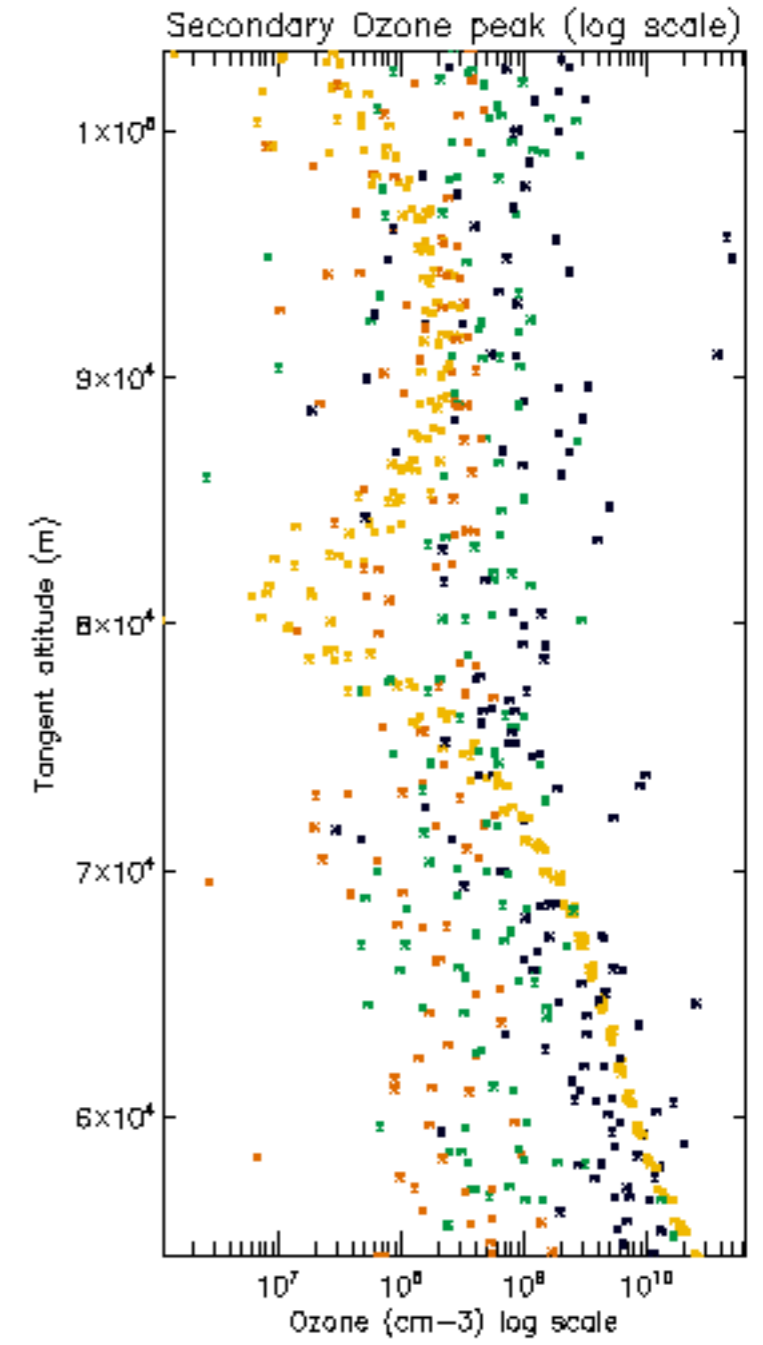
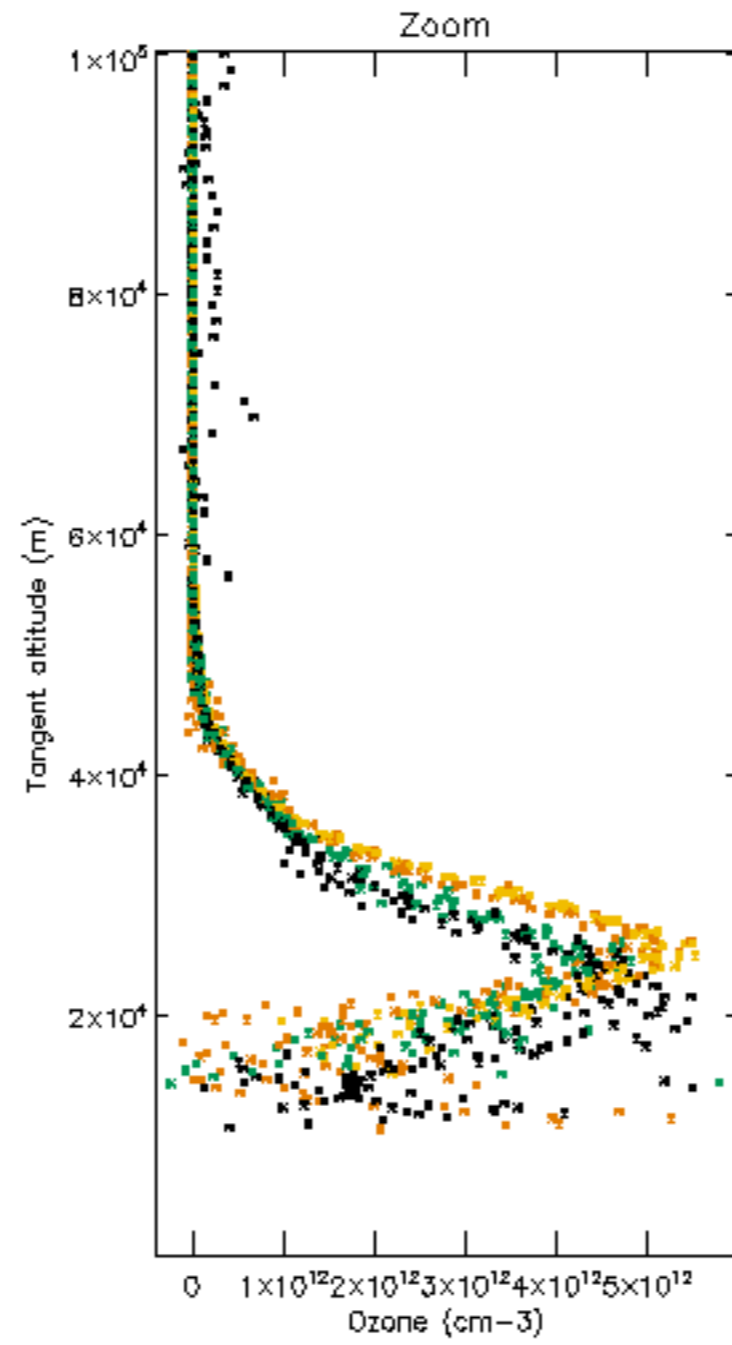
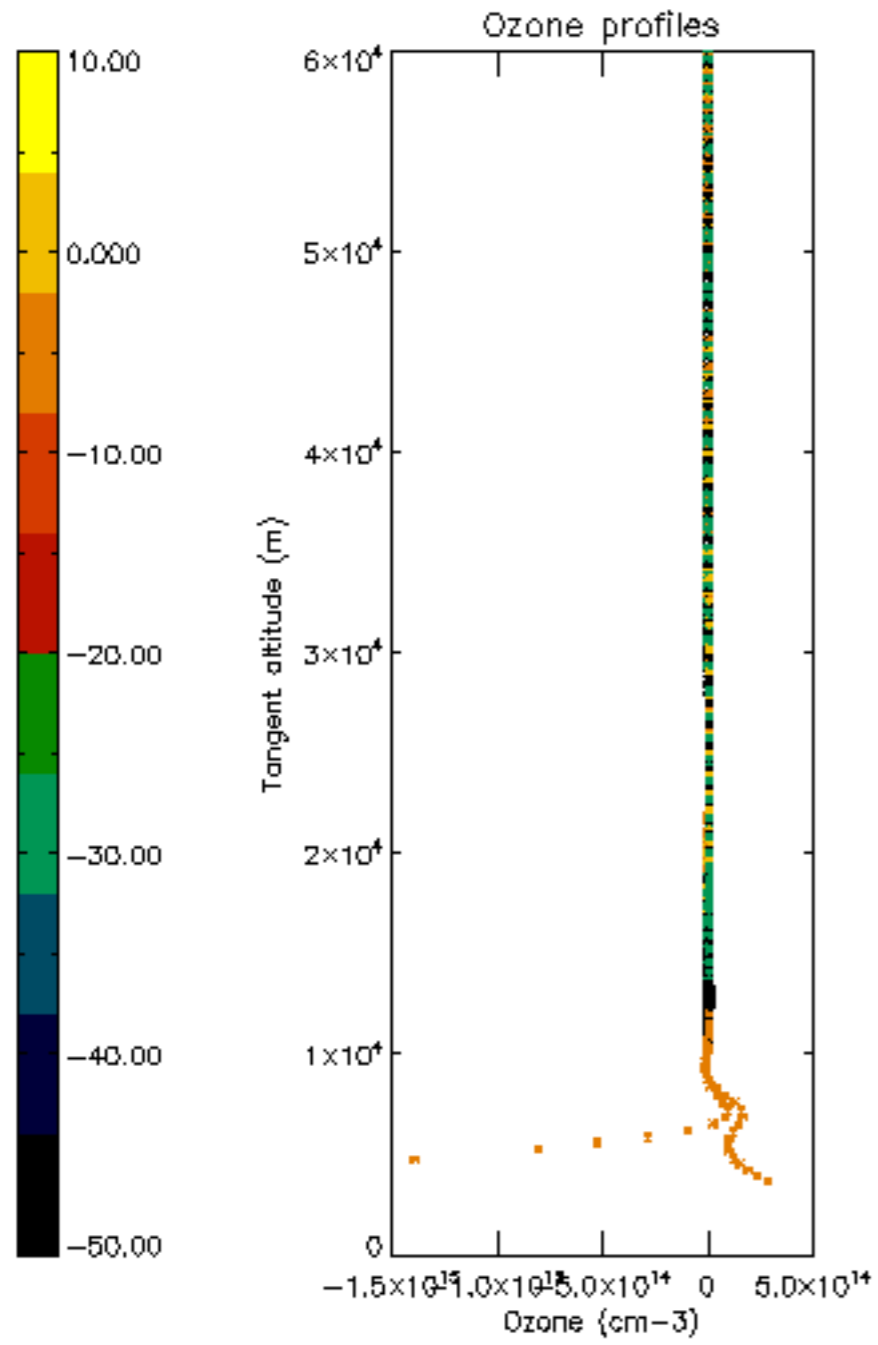


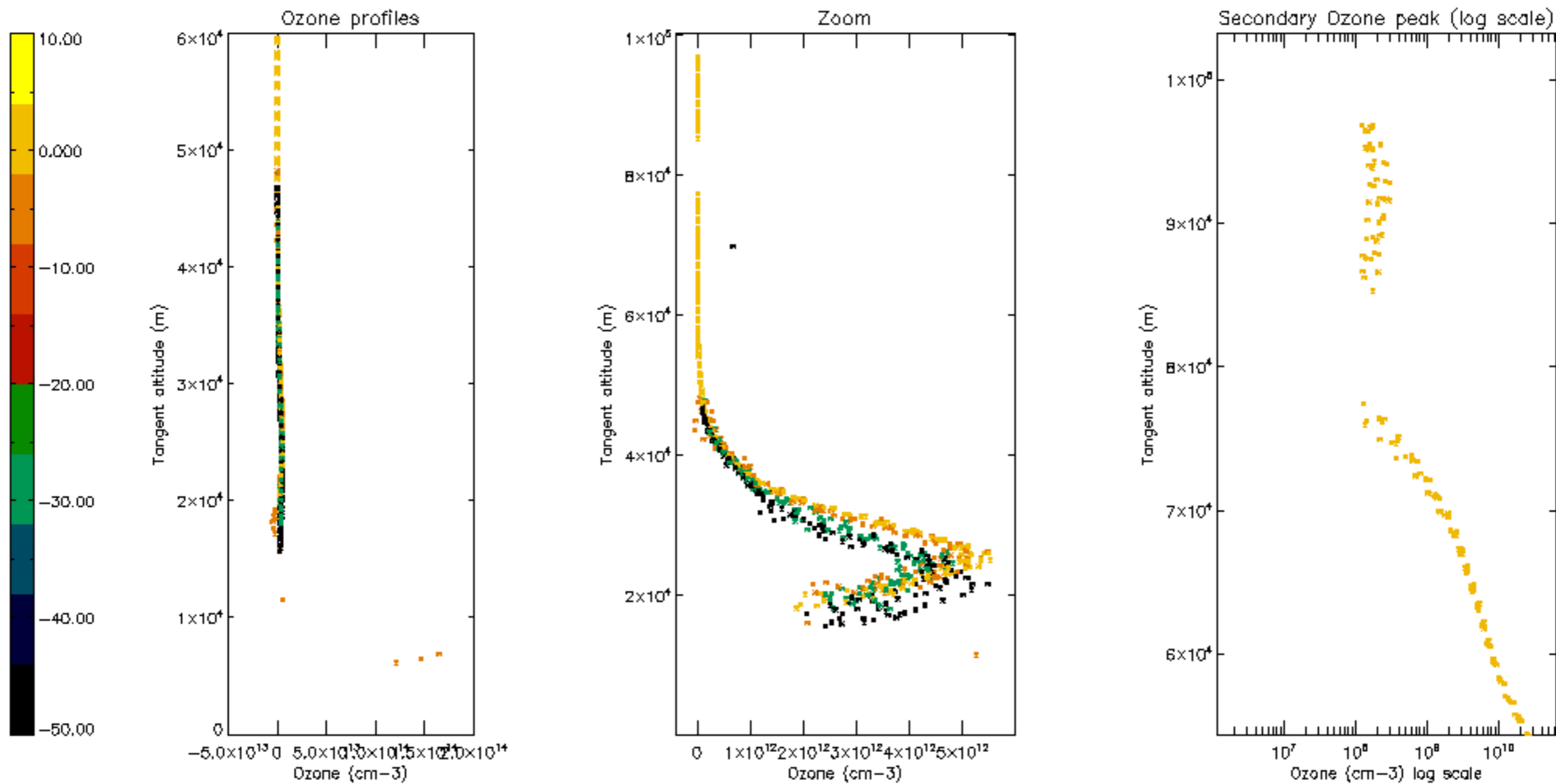
Percentage of star falling outside central band per profile



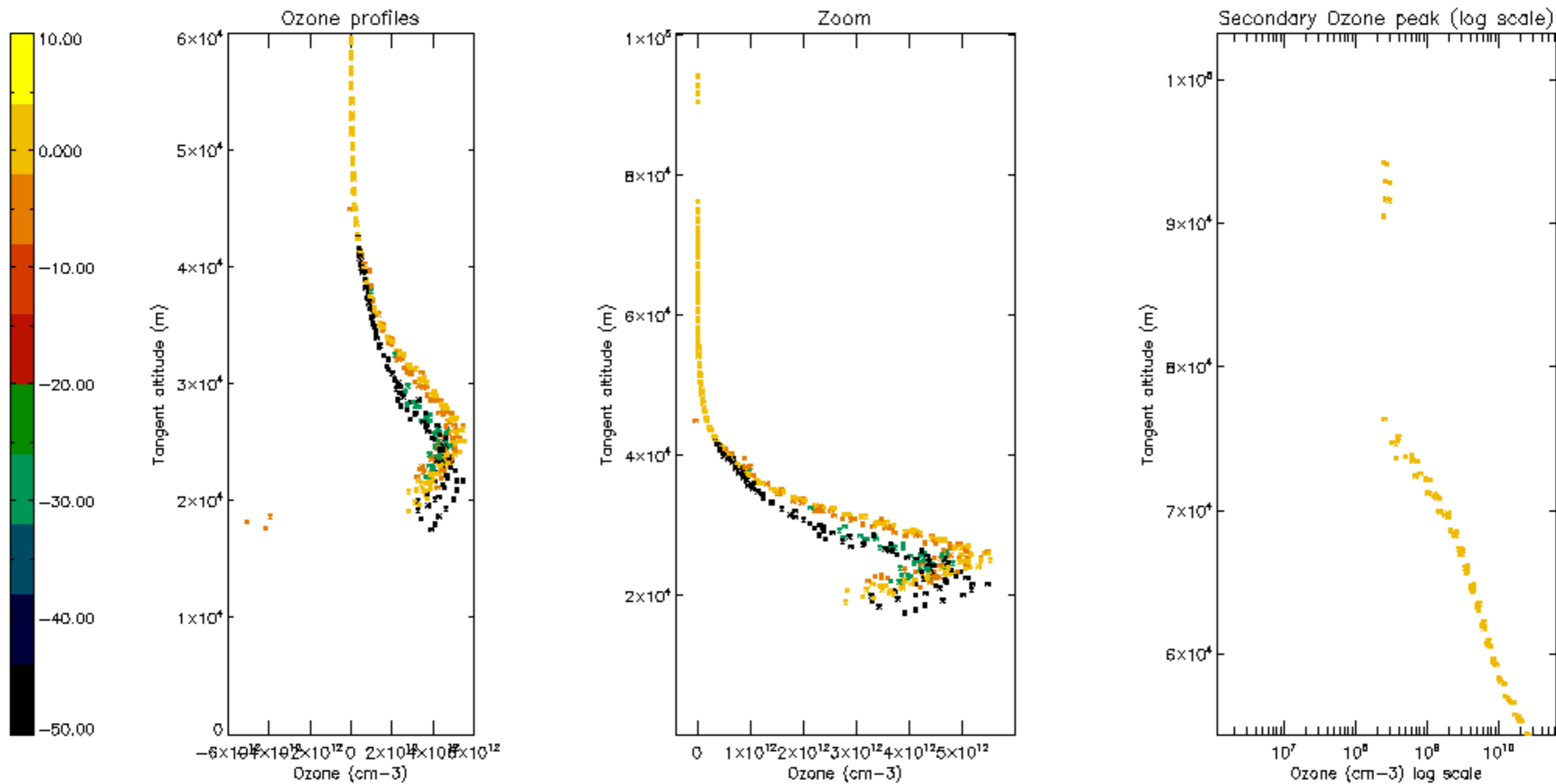
Percentage of saturation errors per profile

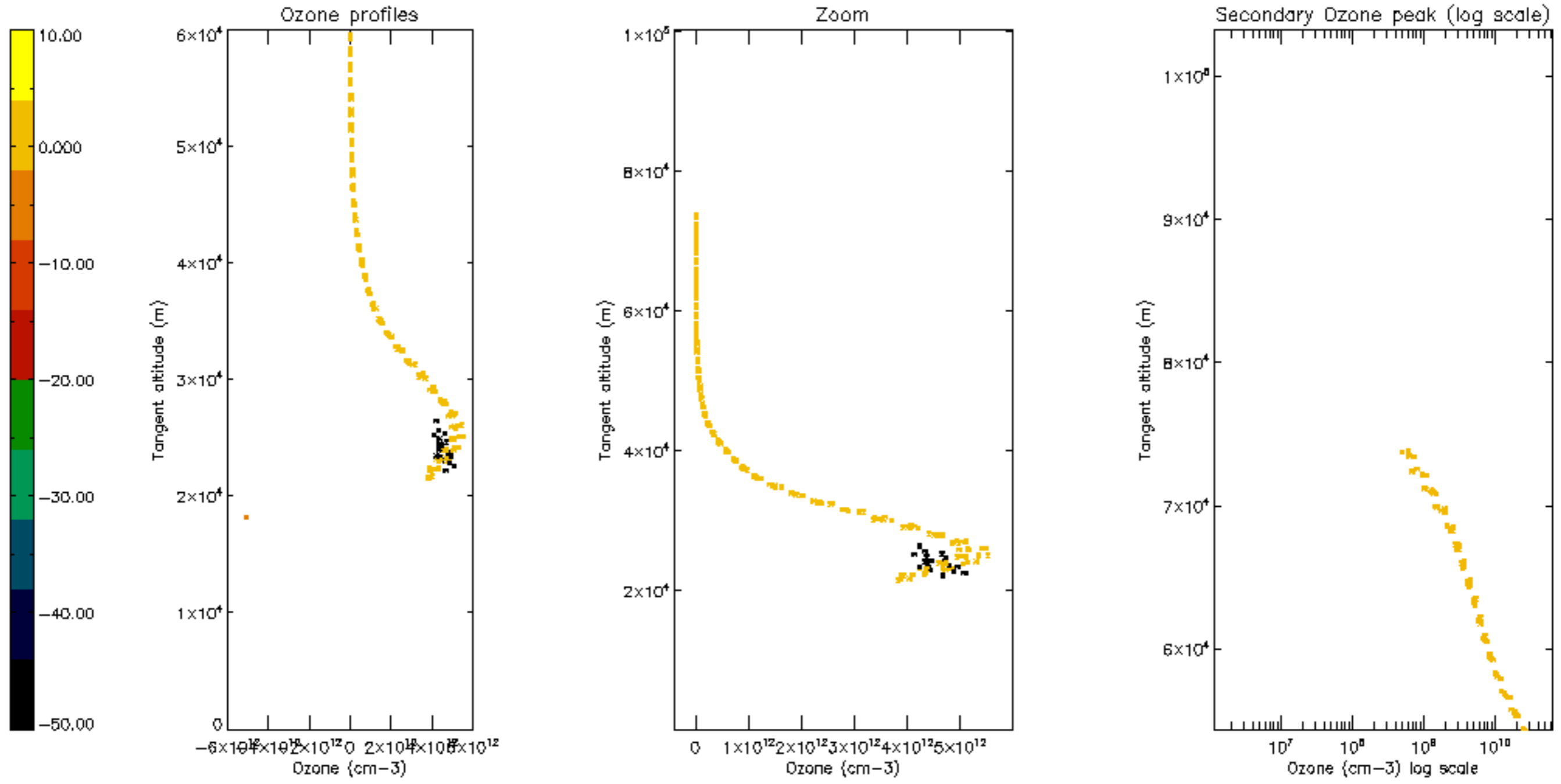


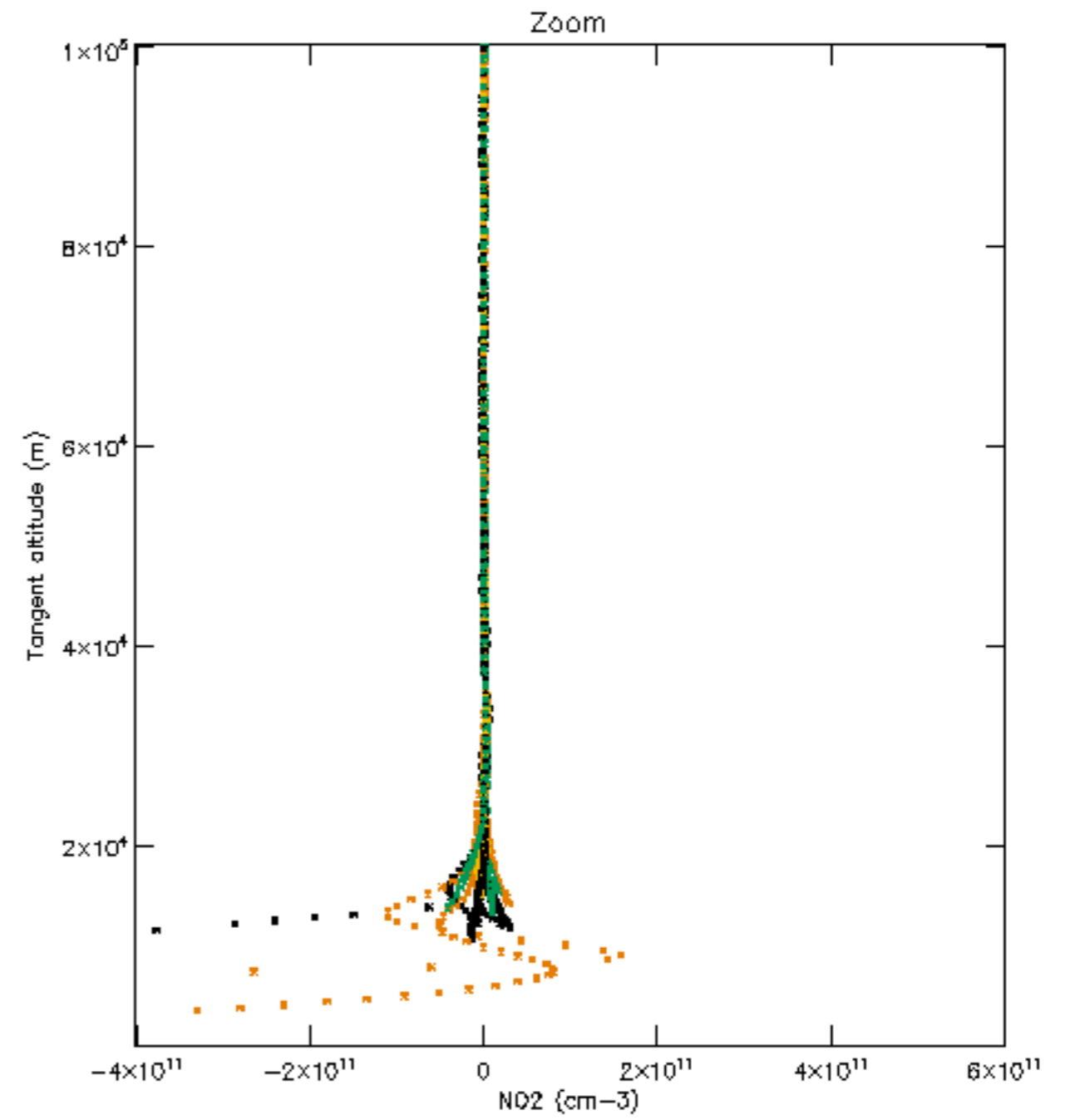
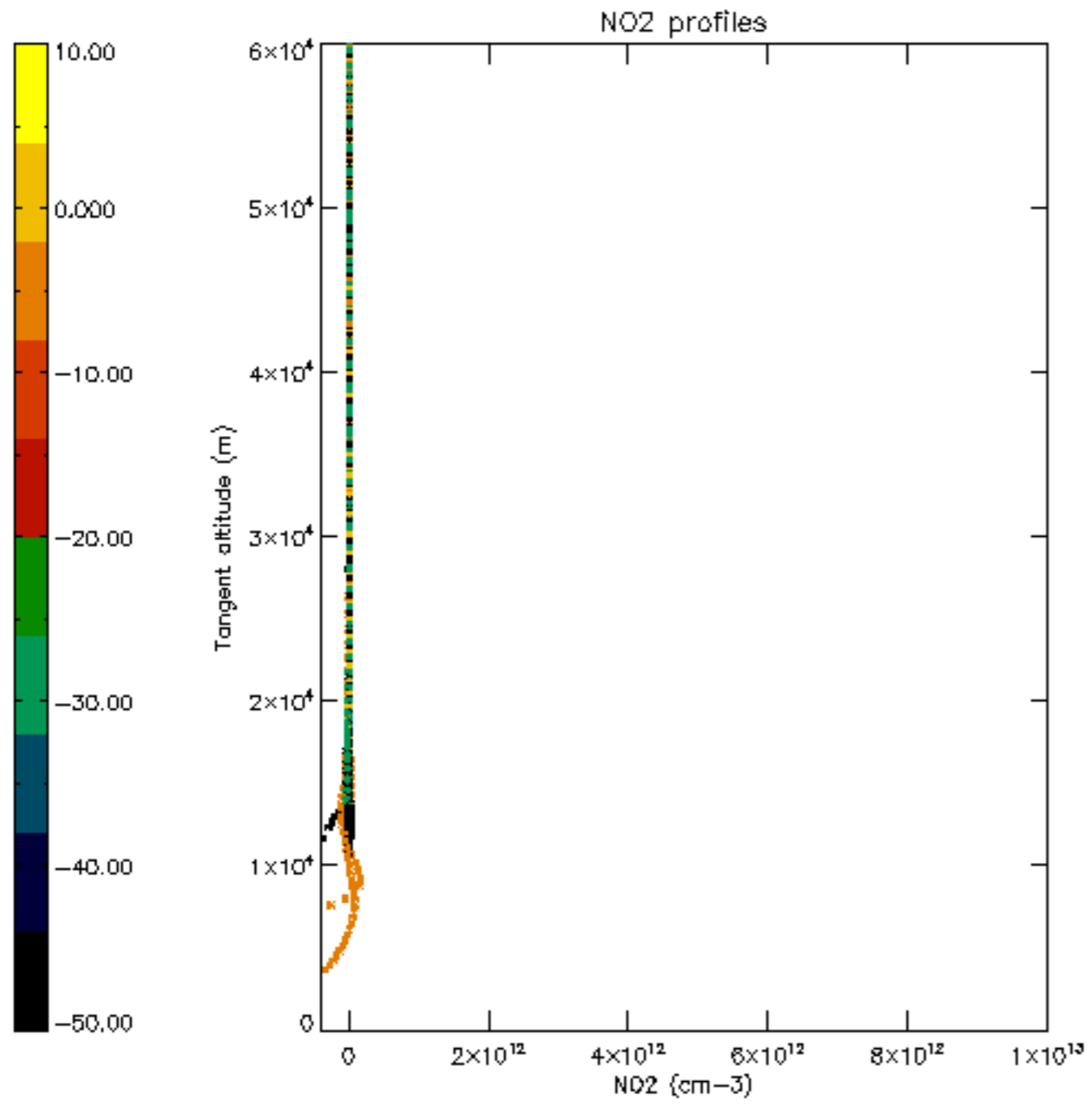


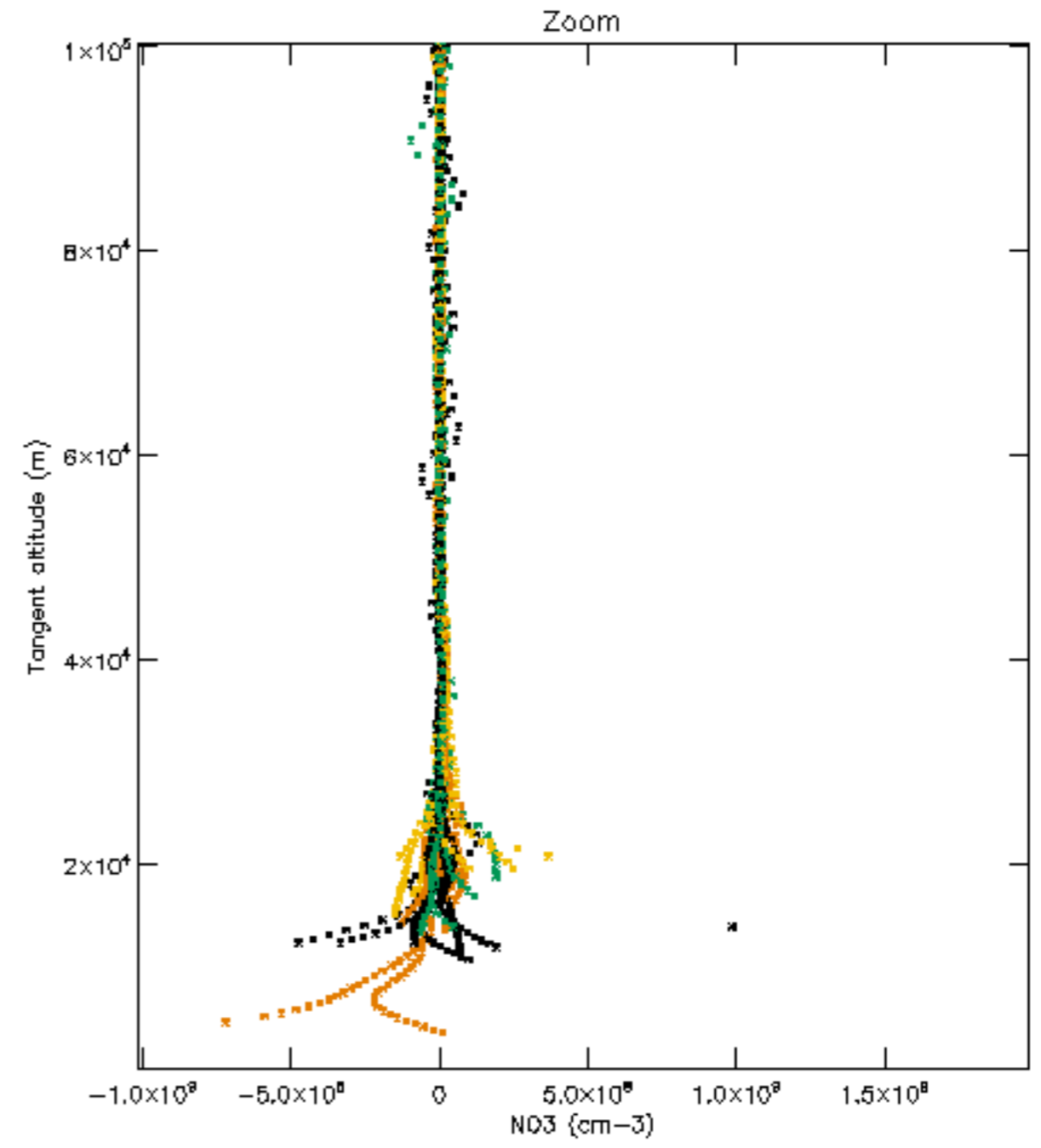
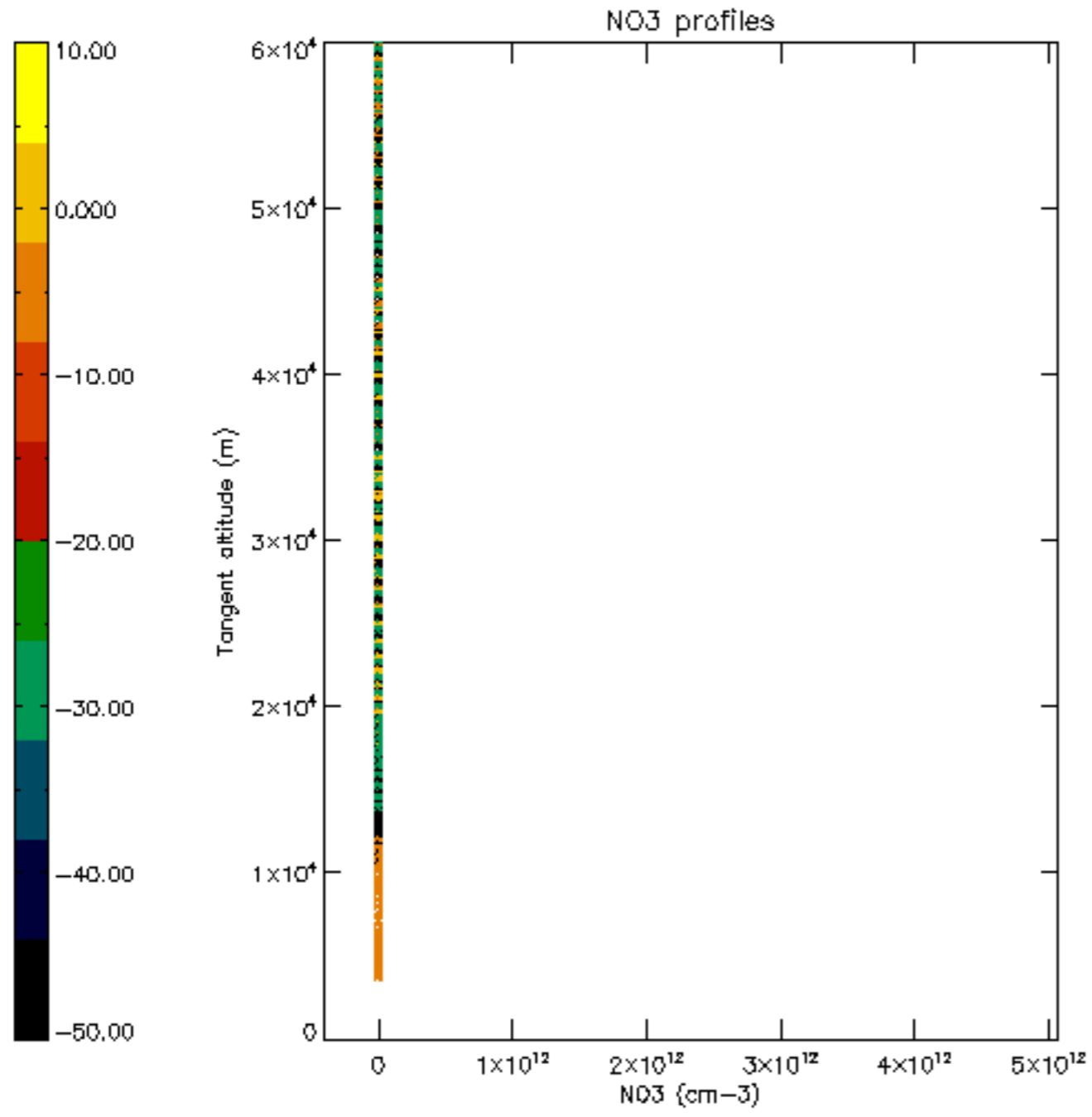




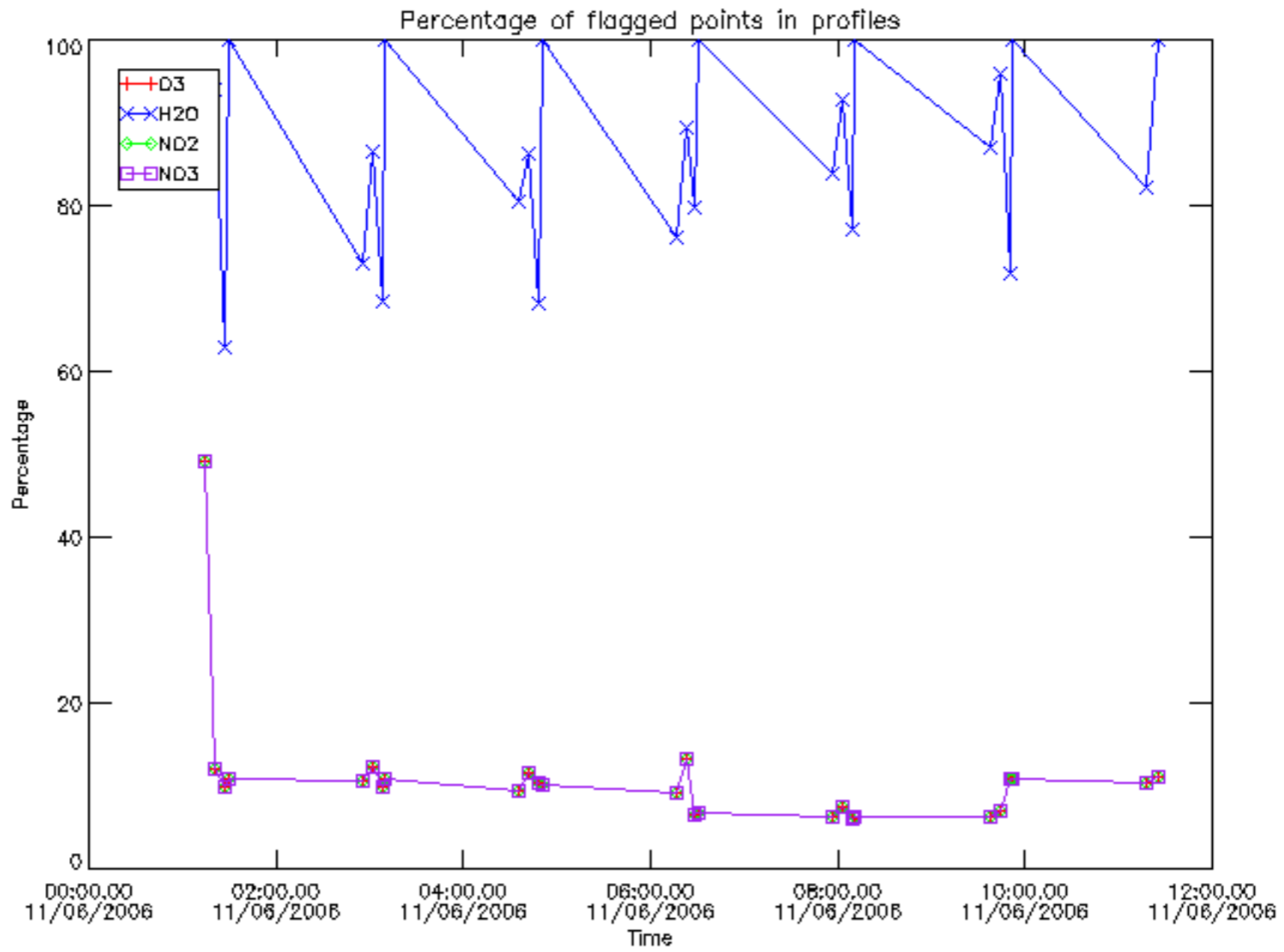




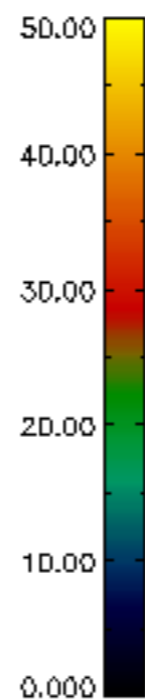
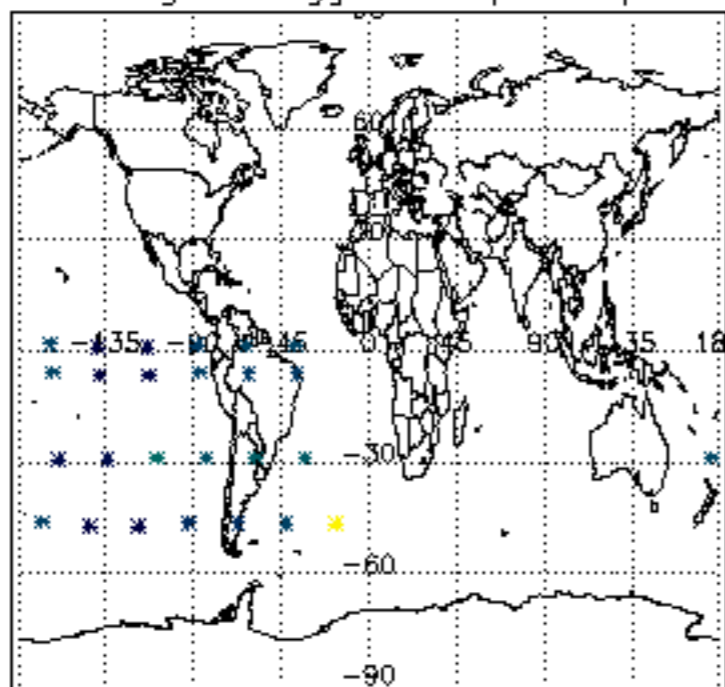




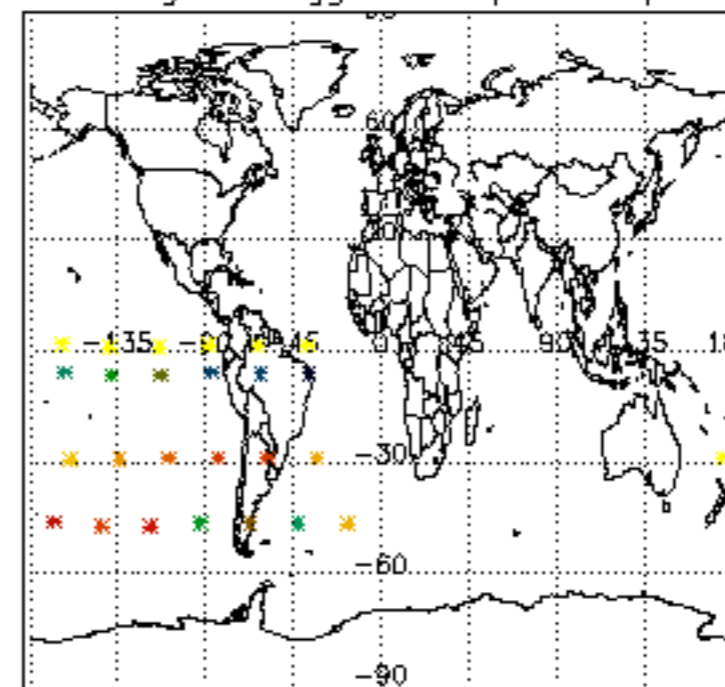




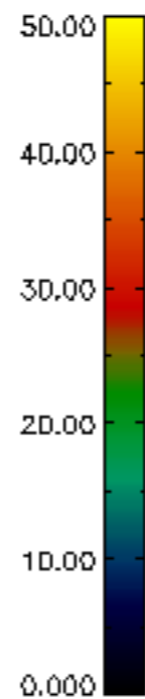
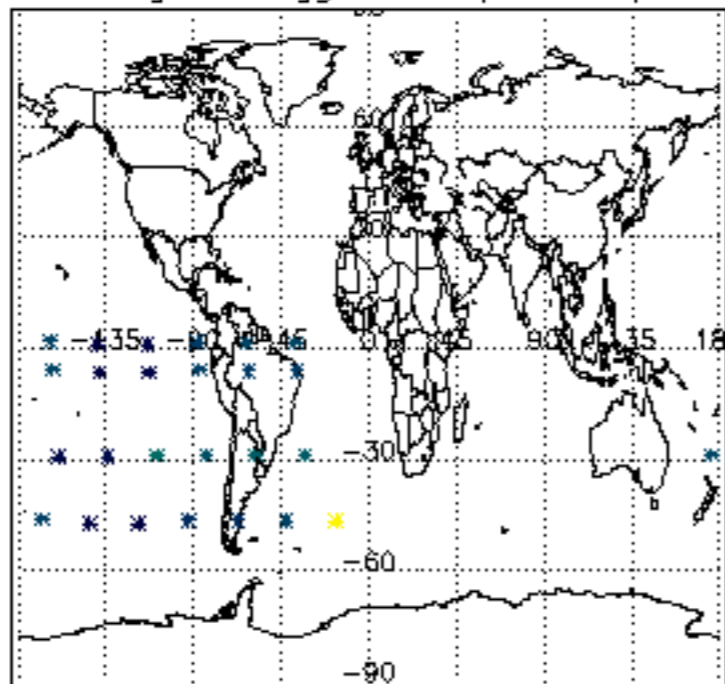
Percentage of flagged data per D3 profile



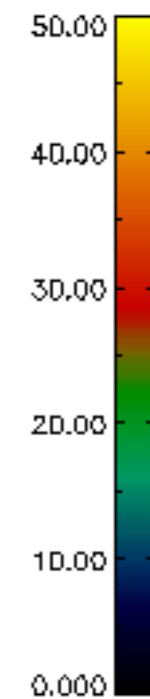
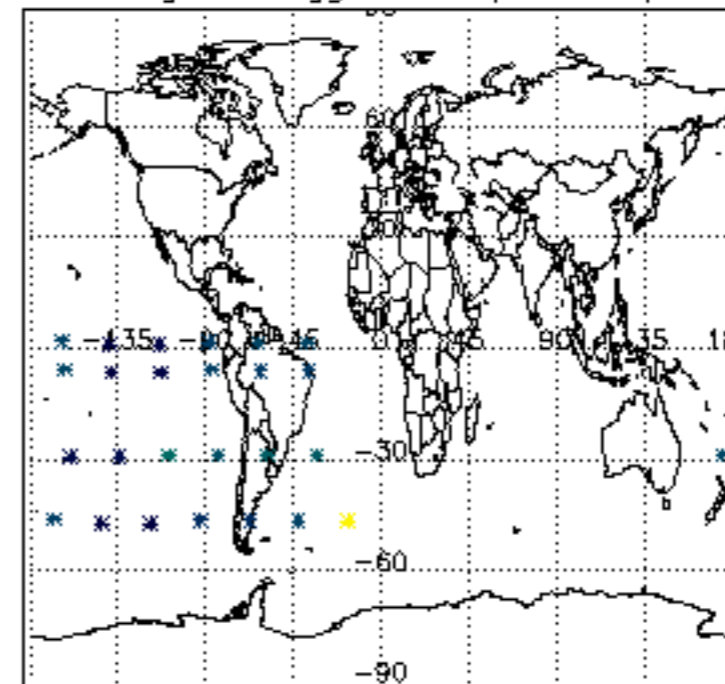
Percentage of flagged data per H2O profile

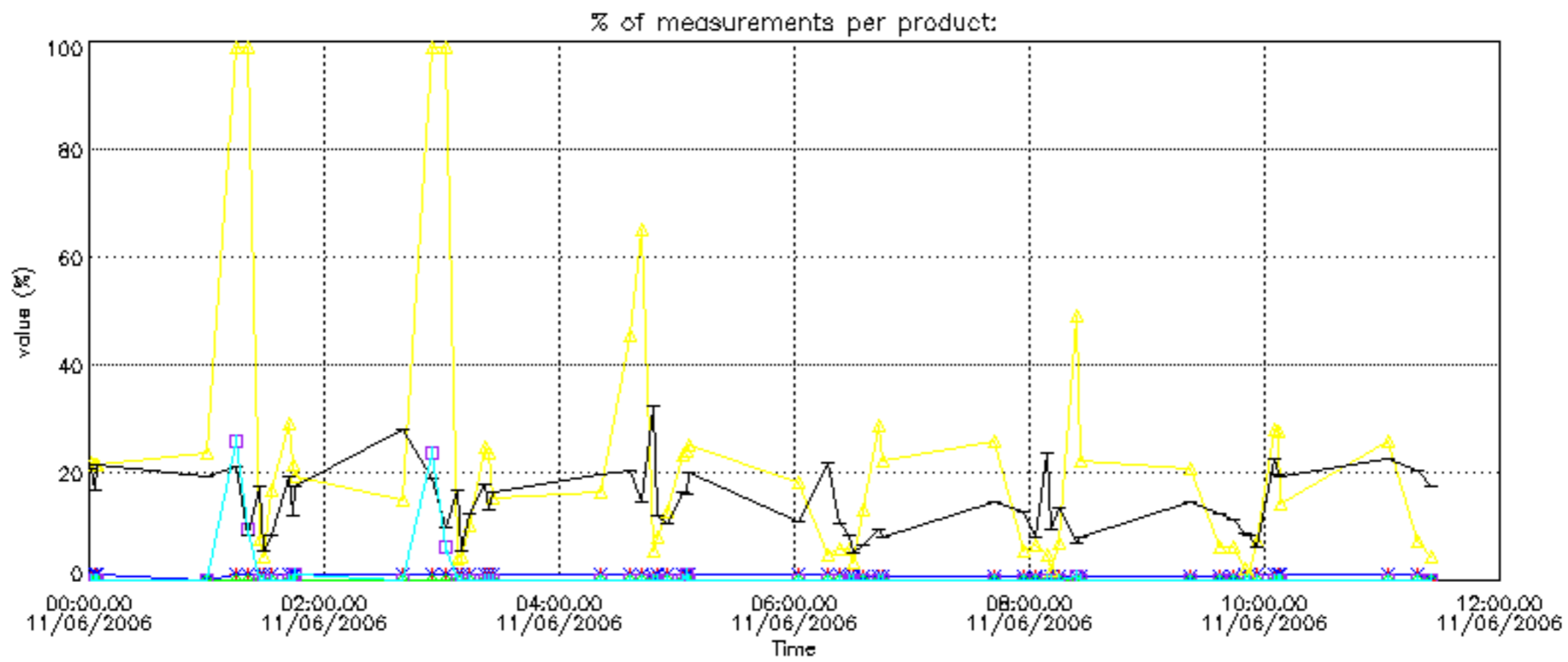


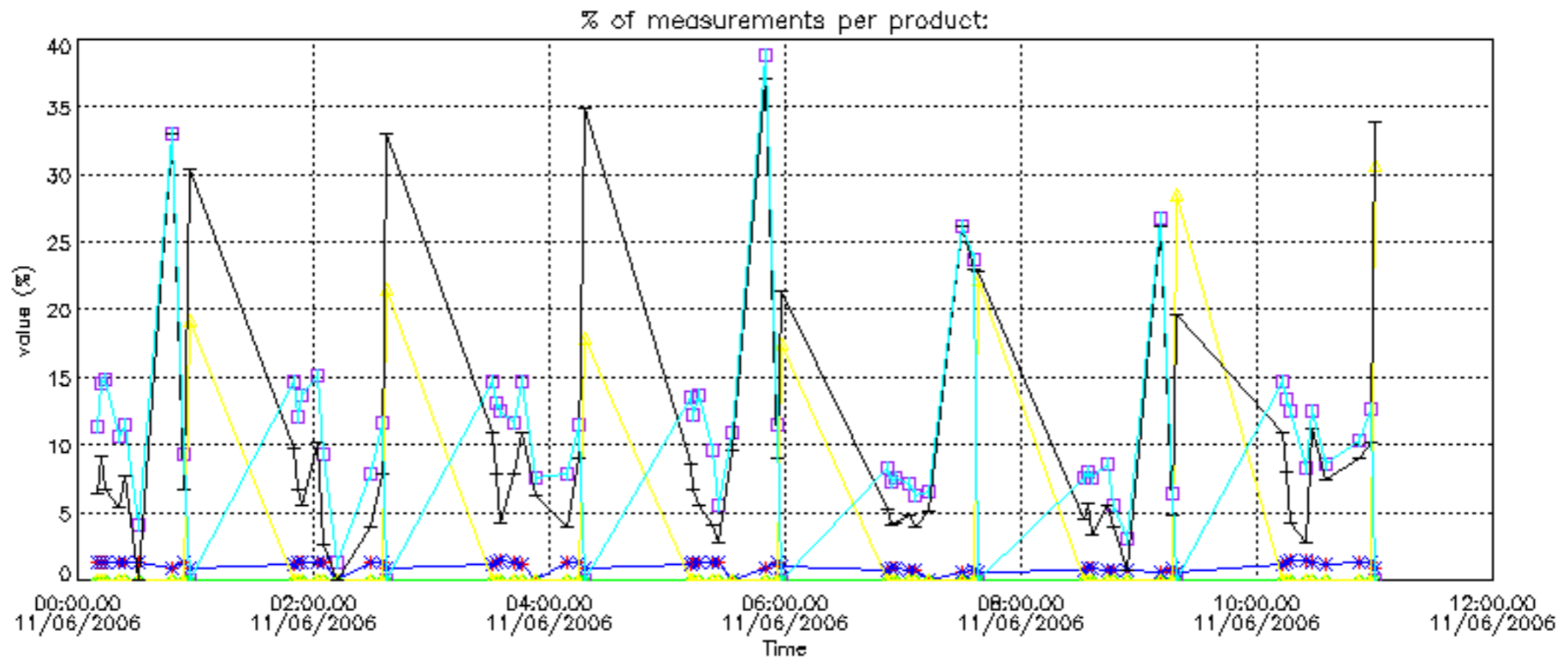
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

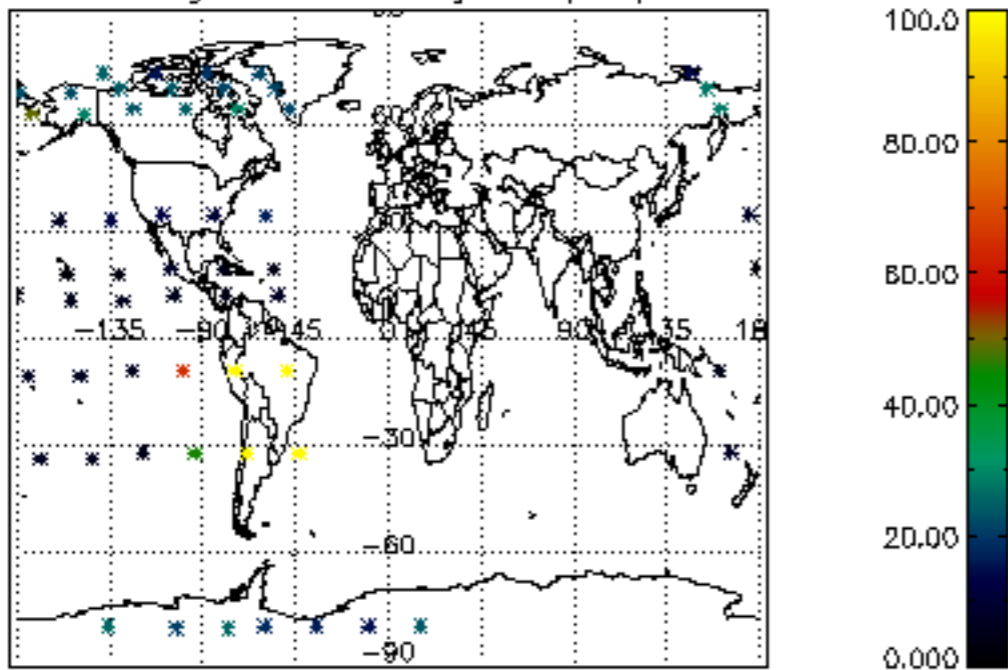




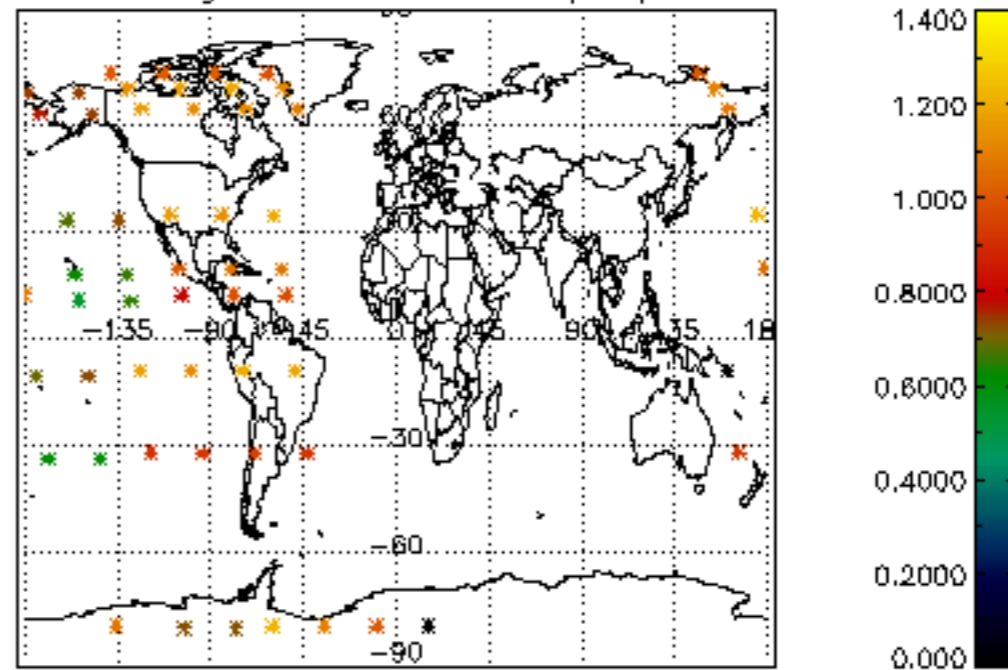




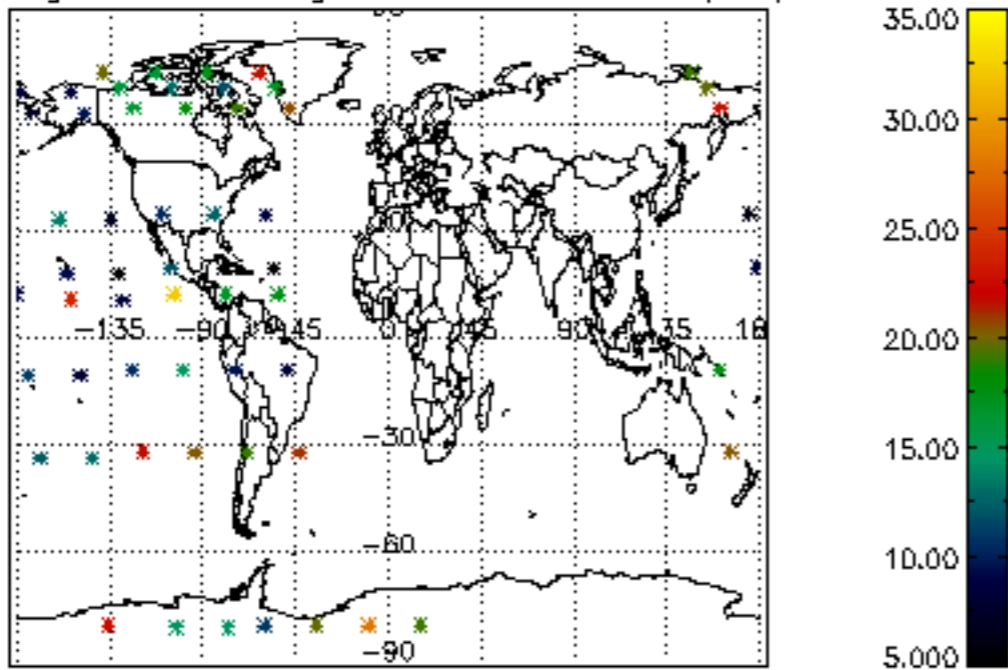
Percentage of cosmic ray hits per profile



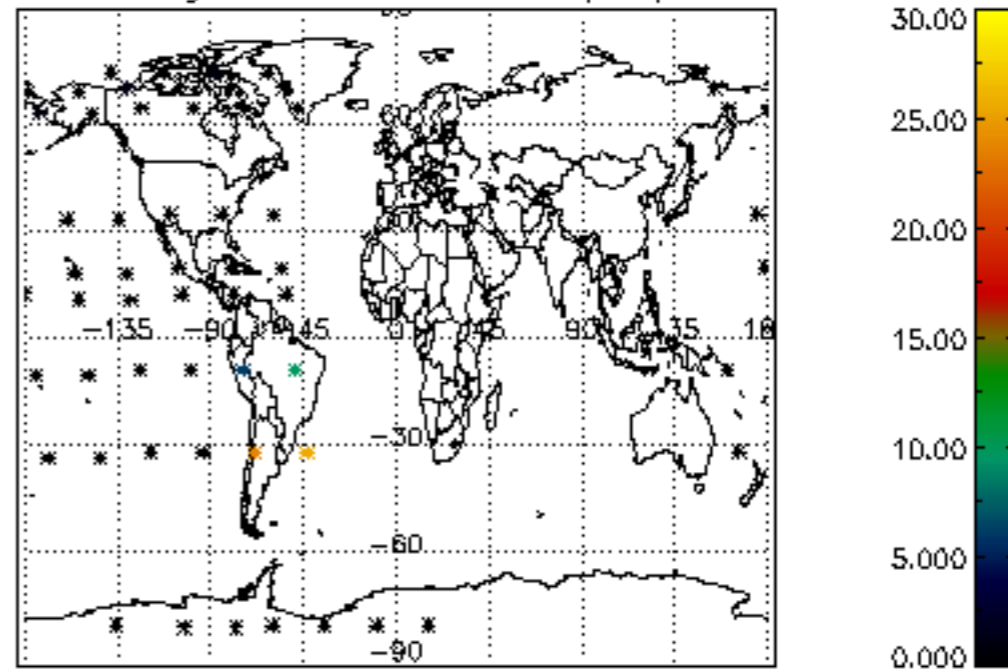
Percentage of datation errors per profile



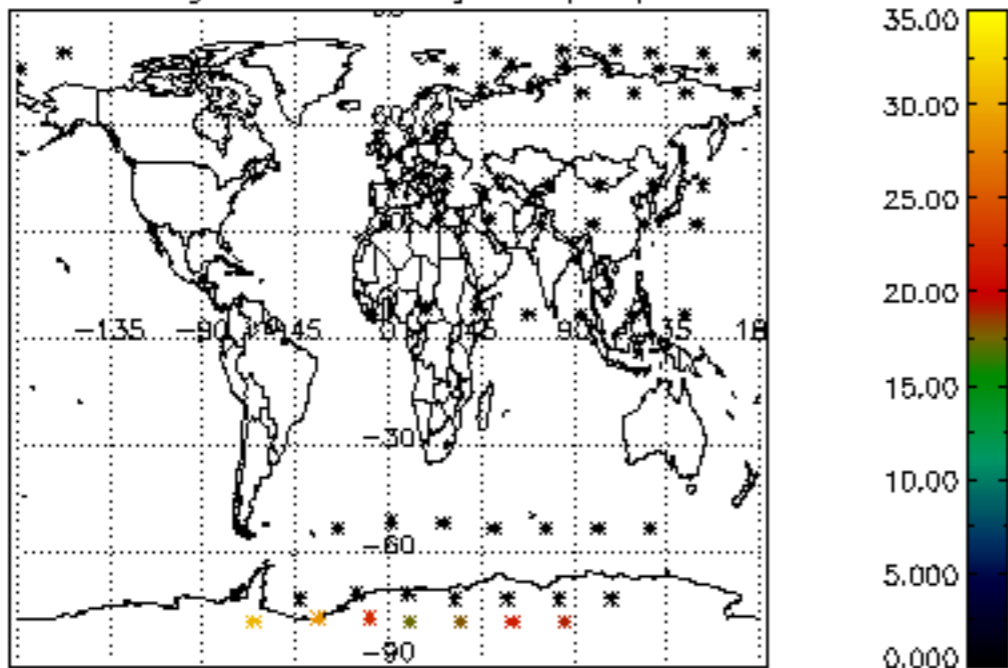
Percentage of star falling outside central band per profile



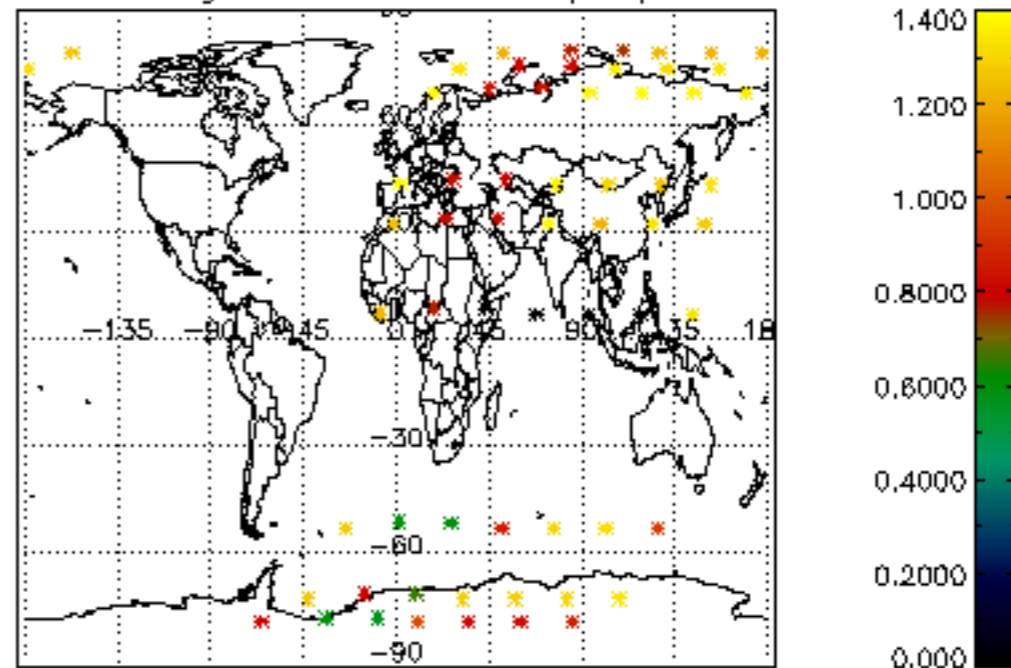
Percentage of saturation errors per profile



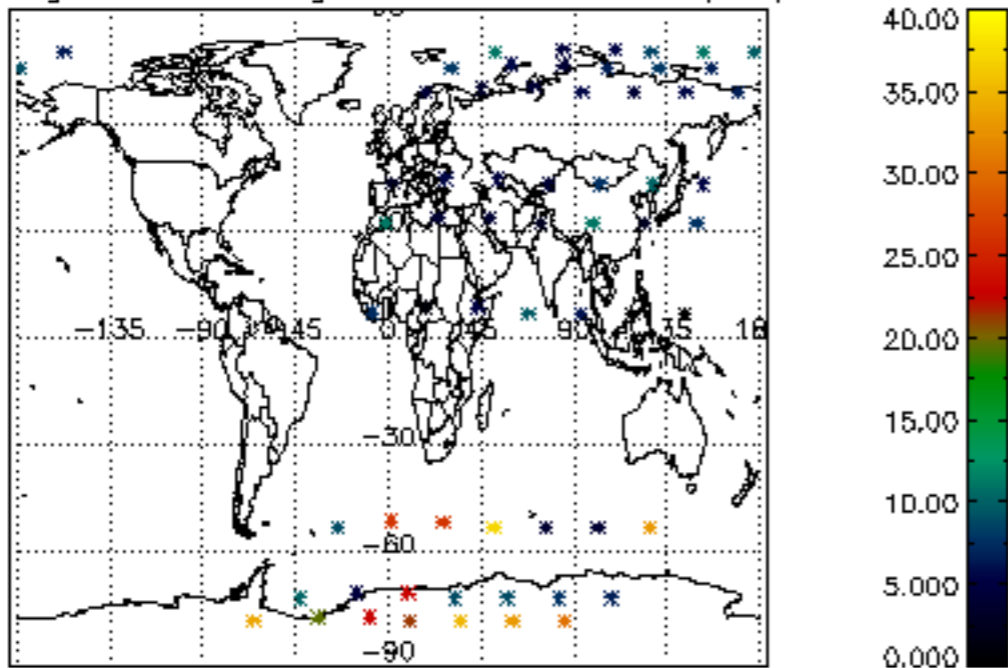
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

