

# 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	24APR2013 01:22:11
Data source version	GOMOS/6.01
Start time of products	08-07-2006 (08JUL2006 00:00:00)
Stop time of products	09-07-2006 (09JUL2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	265
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__2PRFIN20060708_002129_000000382049_00159_22758_9790.N1	08-JUL-2006 00:21:29	Dark	37.500	165	34Gam Eri	2.9500	3200.0	75	22758	No
2	GOM_NL__2PRFIN20060708_003621_000000442049_00160_22759_9774.N1	08-JUL-2006 00:36:21	Dark	44.000	9	Alp Eri	0.45300	24000.	88	22759	No
3	GOM_NL__2PRFIN20060708_004032_000000372049_00160_22759_9775.N1	08-JUL-2006 00:40:32	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22759	No
4	GOM_NL__2PRFIN20060708_004804_000000402049_00160_22759_9776.N1	08-JUL-2006 00:48:04	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	22759	No
5	GOM_NL__2PRFIN20060708_005253_000000392049_00160_22759_9777.N1	08-JUL-2006 00:52:53	Twi_and_stray	38.500	147	Alp Ara	2.8770	26000.	77	22759	No
6	GOM_NL__2PRFIN20060708_005443_000000402049_00160_22759_9778.N1	08-JUL-2006 00:54:43	Twi_and_stray	39.500	40	The Sco	1.8590	7100.0	79	22759	No
7	GOM_NL__2PRFIN20060708_005623_000000382049_00160_22759_9779.N1	08-JUL-2006 00:56:23	Twi_and_stray	37.500	25	35Lam Sco	1.6200	28000.	75	22759	No
8	GOM_NL__2PRFIN20060708_005750_000000432049_00160_22759_9780.N1	08-JUL-2006 00:57:50	Bright	43.000	116	19Del Sgr	2.7000	4100.0	86	22759	No
9	GOM_NL__2PRFIN20060708_010232_000000372049_00160_22759_9781.N1	08-JUL-2006 01:02:32	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	22759	No
10	GOM_NL__2PRFIN20060708_010757_000000362049_00160_22759_9782.N1	08-JUL-2006 01:07:57	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22759	No
11	GOM_NL__2PRFIN20060708_011015_000000382049_00160_22759_9783.N1	08-JUL-2006 01:10:15	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	22759	No
12	GOM_NL__2PRFIN20060708_011316_000000382049_00160_22759_9784.N1	08-JUL-2006 01:13:16	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	22759	No
13	GOM_NL__2PRFIN20060708_011553_000000362049_00160_22759_9785.N1	08-JUL-2006 01:15:53	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	22759	No
14	GOM_NL__2PRFIN20060708_012131_000000342049_00160_22759_9786.N1	08-JUL-2006 01:21:31	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	22759	No
15	GOM_NL__2PRFIN20060708_012413_000000362049_00160_22759_9787.N1	08-JUL-2006 01:24:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22759	No
16	GOM_NL__2PRFIN20060708_012820_000000332049_00160_22759_9788.N1	08-JUL-2006 01:28:20	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	22759	No
17	GOM_NL__2PRFIN20060708_013217_000000362049_00160_22759_9789.N1	08-JUL-2006 01:32:17	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22759	No
18	GOM_NL__2PRFIN20060708_020206_000000372049_00160_22759_9790.N1	08-JUL-2006 02:02:06	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	22759	No
19	GOM_NL__2PRFIN20060708_021046_000000412049_00160_22759_9791.N1	08-JUL-2006 02:10:46	Dark	40.500	157	The1Eri	2.9060	9300.0	81	22759	No
20	GOM_NL__2PRFIN20060708_021657_000000462049_00161_22760_9774.N1	08-JUL-2006 02:16:57	Dark	45.500	9	Alp Eri	0.45300	24000.	91	22760	No
21	GOM_NL__2PRFIN20060708_022108_000000372049_00161_22760_9775.N1	08-JUL-2006 02:21:08	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22760	No
22	GOM_NL__2PRFIN20060708_022841_000000422049_00161_22760_9776.N1	08-JUL-2006 02:28:41	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	22760	No
23	GOM_NL__2PRFIN20060708_023329_000000382049_00161_22760_9777.N1	08-JUL-2006 02:33:29	Twi_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	22760	No
24	GOM_NL__2PRFIN20060708_023519_000000412049_00161_22760_9778.N1	08-JUL-2006 02:35:19	Twi_and_stray	41.000	40	The Sco	1.8590	7100.0	82	22760	No
25	GOM_NL__2PRFIN20060708_023659_000000412049_00161_22760_9779.N1	08-JUL-2006 02:36:59	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	22760	No
26	GOM_NL__2PRFIN20060708_023826_000000472049_00161_22760_9780.N1	08-JUL-2006 02:38:26	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	22760	No
27	GOM_NL__2PRFIN20060708_024308_000000372049_00161_22760_9781.N1	08-JUL-2006 02:43:08	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22760	No
28	GOM_NL__2PRFIN20060708_024833_000000362049_00161_22760_9782.N1	08-JUL-2006 02:48:33	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22760	No
29	GOM_NL__2PRFIN20060708_025051_000000352049_00161_22760_9783.N1	08-JUL-2006 02:50:51	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22760	No
30	GOM_NL__2PRFIN20060708_025352_000000352049_00161_22760_9784.N1	08-JUL-2006 02:53:52	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	22760	No
31	GOM_NL__2PRFIN20060708_025629_000000342049_00161_22760_9785.N1	08-JUL-2006 02:56:29	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22760	No
32	GOM_NL__2PRFIN20060708_030207_000000372049_00161_22760_9786.N1	08-JUL-2006 03:02:07	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22760	No
33	GOM_NL__2PRFIN20060708_030449_000000332049_00161_22760_9787.N1	08-JUL-2006 03:04:49	Bright	33.000	119	14Eta Dra	2.7270	4700.0	66	22760	No
34	GOM_NL__2PRFIN20060708_030857_000000352049_00161_22760_9788.N1	08-JUL-2006 03:08:57	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	22760	No
35	GOM_NL__2PRFIN20060708_031253_000000362049_00161_22760_9789.N1	08-JUL-2006 03:12:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22760	No
36	GOM_NL__2PRFIN20060708_033920_000000382049_00161_22760_9790.N1	08-JUL-2006 03:39:20	Dark	37.500	128	67Bet Eri	2.7840	9700.0	75	22760	No
37	GOM_NL__2PRFIN20060708_034242_000000392049_00161_22760_9791.N1	08-JUL-2006 03:42:42	Dark	38.500	165	34Gam Eri	2.9500	3200.0	77	22760	No
38	GOM_NL__2PRFIN20060708_035123_000000392049_00161_22760_9792.N1	08-JUL-2006 03:51:23	Dark	39.000	157	The1Eri	2.9060	9300.0	78	22760	No
39	GOM_NL__2PRFIN20060708_035734_000000422049_00162_22761_9774.N1	08-JUL-2006 03:57:34	Dark	42.000	9	Alp Eri	0.45300	24000.	84	22761	No
40	GOM_NL__2PRFIN20060708_040145_000000372049_00162_22761_9775.N1	08-JUL-2006 04:01:45	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22761	No
41	GOM_NL__2PRFIN20060708_040917_000000412049_00162_22761_9776.N1	08-JUL-2006 04:09:17	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	22761	No
42	GOM_NL__2PRFIN20060708_041406_000000372049_00162_22761_9777.N1	08-JUL-2006 04:14:06	Twi_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	22761	No

43	GOM_NL__2PRFIN20060708_041556_000000442049_00162_22761_9778.N1	08-JUL-2006 04:15:56	Tw_i_and_stray	43.500	40	The Sco	1.8590	7100.0	87	22761	No
44	GOM_NL__2PRFIN20060708_041735_000000372049_00162_22761_9779.N1	08-JUL-2006 04:17:35	Tw_i_and_stray	37.000	25	35Lam Sco	1.6200	28000.	74	22761	No
45	GOM_NL__2PRFIN20060708_041903_000000482049_00162_22761_9780.N1	08-JUL-2006 04:19:03	Bright	47.500	116	19Del Sgr	2.7000	4100.0	95	22761	No
46	GOM_NL__2PRFIN20060708_042344_000000372049_00162_22761_9781.N1	08-JUL-2006 04:23:44	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22761	No
47	GOM_NL__2PRFIN20060708_042909_000000352049_00162_22761_9782.N1	08-JUL-2006 04:29:09	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22761	No
48	GOM_NL__2PRFIN20060708_043127_000000362049_00162_22761_9783.N1	08-JUL-2006 04:31:27	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22761	No
49	GOM_NL__2PRFIN20060708_043428_000000362049_00162_22761_9784.N1	08-JUL-2006 04:34:28	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	22761	No
50	GOM_NL__2PRFIN20060708_043705_000000332049_00162_22761_9785.N1	08-JUL-2006 04:37:05	Bright	33.000	133	40Zet Her	2.8070	6000.0	66	22761	No
51	GOM_NL__2PRFIN20060708_044243_000000362049_00162_22761_9786.N1	08-JUL-2006 04:42:43	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	22761	No
52	GOM_NL__2PRFIN20060708_044525_000000322049_00162_22761_9787.N1	08-JUL-2006 04:45:25	Bright	31.500	119	14Eta Dra	2.7270	4700.0	63	22761	No
53	GOM_NL__2PRFIN20060708_044933_000000362049_00162_22761_9788.N1	08-JUL-2006 04:49:33	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22761	No
54	GOM_NL__2PRFIN20060708_045329_000000352049_00162_22761_9789.N1	08-JUL-2006 04:53:29	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	22761	No
55	GOM_NL__2PRFIN20060708_051956_000000382049_00162_22761_9790.N1	08-JUL-2006 05:19:56	Dark	37.500	128	67Bet Eri	2.7840	9700.0	75	22761	No
56	GOM_NL__2PRFIN20060708_052318_000000372049_00162_22761_9791.N1	08-JUL-2006 05:23:18	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	22761	No
57	GOM_NL__2PRFIN20060708_053159_000000412049_00162_22761_9792.N1	08-JUL-2006 05:31:59	Dark	40.500	157	The1Eri	2.9060	9300.0	81	22761	No
58	GOM_NL__2PRFIN20060708_053810_000000522049_00163_22762_9774.N1	08-JUL-2006 05:38:10	Dark	51.500	9	Alp Eri	0.45300	24000.	103	22762	No
59	GOM_NL__2PRFIN20060708_054221_000000372049_00163_22762_9775.N1	08-JUL-2006 05:42:21	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22762	No
60	GOM_NL__2PRFIN20060708_054954_000000412049_00163_22762_9776.N1	08-JUL-2006 05:49:54	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	22762	No
61	GOM_NL__2PRFIN20060708_055442_000000372049_00163_22762_9777.N1	08-JUL-2006 05:54:42	Tw_i_and_stray	37.000	147	Alp Ara	2.8770	26000.	74	22762	No
62	GOM_NL__2PRFIN20060708_055632_000000412049_00163_22762_9778.N1	08-JUL-2006 05:56:32	Tw_i_and_stray	41.000	40	The Sco	1.8590	7100.0	82	22762	No
63	GOM_NL__2PRFIN20060708_055811_000000412049_00163_22762_9779.N1	08-JUL-2006 05:58:11	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	22762	No
64	GOM_NL__2PRFIN20060708_055939_000000432049_00163_22762_9780.N1	08-JUL-2006 05:59:39	Bright	42.500	116	19Del Sgr	2.7000	4100.0	85	22762	No
65	GOM_NL__2PRFIN20060708_060421_000000362049_00163_22762_9781.N1	08-JUL-2006 06:04:21	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	22762	No
66	GOM_NL__2PRFIN20060708_060945_000000352049_00163_22762_9782.N1	08-JUL-2006 06:09:45	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22762	No
67	GOM_NL__2PRFIN20060708_061203_000000352049_00163_22762_9783.N1	08-JUL-2006 06:12:03	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	22762	No
68	GOM_NL__2PRFIN20060708_061504_000000352049_00163_22762_9784.N1	08-JUL-2006 06:15:04	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	22762	No
69	GOM_NL__2PRFIN20060708_061742_000000352049_00163_22762_9785.N1	08-JUL-2006 06:17:42	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	22762	No
70	GOM_NL__2PRFIN20060708_062319_000000372049_00163_22762_9786.N1	08-JUL-2006 06:23:19	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	22762	No
71	GOM_NL__2PRFIN20060708_062601_000000352049_00163_22762_9787.N1	08-JUL-2006 06:26:01	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	22762	No
72	GOM_NL__2PRFIN20060708_063009_000000352049_00163_22762_9788.N1	08-JUL-2006 06:30:09	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	22762	No
73	GOM_NL__2PRFIN20060708_063406_000000522049_00163_22762_9789.N1	08-JUL-2006 06:34:06	Bright	51.500	49	1Alp UMi	1.9900	6300.0	103	22762	No
74	GOM_NL__2PRFIN20060708_070032_000000372049_00163_22762_9790.N1	08-JUL-2006 07:00:32	Dark	37.000	128	67Bet Eri	2.7840	9700.0	74	22762	No
75	GOM_NL__2PRFIN20060708_070355_000000442049_00163_22762_9791.N1	08-JUL-2006 07:03:55	Dark	44.000	165	34Gam Eri	2.9500	3200.0	88	22762	No
76	GOM_NL__2PRFIN20060708_071236_000000422049_00163_22762_9792.N1	08-JUL-2006 07:12:36	Dark	41.500	157	The1Eri	2.9060	9300.0	83	22762	No
77	GOM_NL__2PRFIN20060708_071847_000000402049_00164_22763_9774.N1	08-JUL-2006 07:18:47	Dark	40.000	9	Alp Eri	0.45300	24000.	80	22763	No
78	GOM_NL__2PRFIN20060708_072257_000000372049_00164_22763_9775.N1	08-JUL-2006 07:22:57	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22763	No
79	GOM_NL__2PRFIN20060708_073030_000000392049_00164_22763_9776.N1	08-JUL-2006 07:30:30	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	22763	No
80	GOM_NL__2PRFIN20060708_073518_000000392049_00164_22763_9777.N1	08-JUL-2006 07:35:18	Tw_i_and_stray	38.500	147	Alp Ara	2.8770	26000.	77	22763	No
81	GOM_NL__2PRFIN20060708_073708_000000412049_00164_22763_9778.N1	08-JUL-2006 07:37:08	Tw_i_and_stray	41.000	40	The Sco	1.8590	7100.0	82	22763	No
82	GOM_NL__2PRFIN20060708_073848_000000402049_00164_22763_9779.N1	08-JUL-2006 07:38:48	Tw_i_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	22763	No
83	GOM_NL__2PRFIN20060708_074015_000000492049_00164_22763_9780.N1	08-JUL-2006 07:40:15	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	22763	No
84	GOM_NL__2PRFIN20060708_074457_000000362049_00164_22763_9781.N1	08-JUL-2006 07:44:57	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	22763	No
85	GOM_NL__2PRFIN20060708_075021_000000352049_00164_22763_9782.N1	08-JUL-2006 07:50:21	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22763	No
86	GOM_NL__2PRFIN20060708_075239_000000362049_00164_22763_9783.N1	08-JUL-2006 07:52:39	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22763	No
87	GOM_NL__2PRFIN20060708_075541_000000372049_00164_22763_9784.N1	08-JUL-2006 07:55:41	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	22763	No
88	GOM_NL__2PRFIN20060708_075818_000000362049_00164_22763_9785.N1	08-JUL-2006 07:58:18	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	22763	No
89	GOM_NL__2PRFIN20060708_080355_000000362049_00164_22763_9786.N1	08-JUL-2006 08:03:55	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	22763	No
90	GOM_NL__2PRFIN20060708_080637_000000362049_00164_22763_9787.N1	08-JUL-2006 08:06:37	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	22763	No
91	GOM_NL__2PRFIN20060708_081045_000000362049_00164_22763_9788.N1	08-JUL-2006 08:10:45	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22763	No
92	GOM_NL__2PRFIN20060708_081441_000000362049_00164_22763_9789.N1	08-JUL-2006 08:14:41	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22763	No
93	GOM_NL__2PRFIN20060708_084108_000000392049_00164_22763_9790.N1	08-JUL-2006 08:41:08	Dark	38.500	128	67Bet Eri	2.7840	9700.0	77	22763	No
94	GOM_NL__2PRFIN20060708_084431_000000442049_00164_22763_9791.N1	08-JUL-2006 08:44:31	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	22763	No
95	GOM_NL__2PRFIN20060708_085312_000000402049_00164_22763_9792.N1	08-JUL-2006 08:53:12	Dark	40.000	157	The1Eri	2.9060	9300.0	80	22763	No
96	GOM_NL__2PRFIN20060708_085924_000000422049_00165_22764_9774.N1	08-JUL-2006 08:59:24	Dark	41.500	9	Alp Eri	0.45300	24000.	83	22764	No
97	GOM_NL__2PRFIN20060708_090333_000000382049_00165_22764_9775.N1	08-JUL-2006 09:03:33	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	22764	No
98	GOM_NL__2PRFIN20060708_091107_000000392049_00165_22764_9776.N1	08-JUL-2006 09:11:07	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	22764	No
99	GOM_NL__2PRFIN20060708_091554_000000392049_00165_22764_9777.N1	08-JUL-2006 09:15:54	Tw_i_and_stray	38.500	147	Alp Ara	2.8770	26000.	77	22764	No
100	GOM_NL__2PRFIN20060708_091744_000000392049_00165_22764_9778.N1	08-JUL-2006 09:17:44	Tw_i_and_stray	38.500	40	The Sco	1.8590	7100.0	77	22764	No
101	GOM_NL__2PRFIN20060708_091924_000000412049_00165_22764_9779.N1	08-JUL-2006 09:19:24	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	22764	No

102	GOM_NL__2PRFIN20060708_092051_000000532049_00165_22764_9780.N1	08-JUL-2006 09:20:51	Bright	53.000	116	19Del Sgr	2.7000	4100.0	106	22764	No
103	GOM_NL__2PRFIN20060708_092533_000000362049_00165_22764_9781.N1	08-JUL-2006 09:25:33	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	22764	No
104	GOM_NL__2PRFIN20060708_093057_000000352049_00165_22764_9782.N1	08-JUL-2006 09:30:57	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22764	No
105	GOM_NL__2PRFIN20060708_093315_000000372049_00165_22764_9783.N1	08-JUL-2006 09:33:15	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	22764	No
106	GOM_NL__2PRFIN20060708_093617_000000372049_00165_22764_9784.N1	08-JUL-2006 09:36:17	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	22764	No
107	GOM_NL__2PRFIN20060708_093854_000000362049_00165_22764_9785.N1	08-JUL-2006 09:38:54	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	22764	No
108	GOM_NL__2PRFIN20060708_094431_000000372049_00165_22764_9786.N1	08-JUL-2006 09:44:31	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22764	No
109	GOM_NL__2PRFIN20060708_094713_000000362049_00165_22764_9787.N1	08-JUL-2006 09:47:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22764	No
110	GOM_NL__2PRFIN20060708_095121_000000362049_00165_22764_9788.N1	08-JUL-2006 09:51:21	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22764	No
111	GOM_NL__2PRFIN20060708_095517_000000362049_00165_22764_9789.N1	08-JUL-2006 09:55:17	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22764	No
112	GOM_NL__2PRFIN20060708_102144_000000372049_00165_22764_9790.N1	08-JUL-2006 10:21:44	Dark	37.000	128	67Bet Eri	2.7840	9700.0	74	22764	No
113	GOM_NL__2PRFIN20060708_102507_000000412049_00165_22764_9791.N1	08-JUL-2006 10:25:07	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	22764	No
114	GOM_NL__2PRFIN20060708_103349_000000392049_00165_22764_9792.N1	08-JUL-2006 10:33:49	Dark	38.500	157	The1Eri	2.9060	9300.0	77	22764	No
115	GOM_NL__2PRFIN20060708_104000_000000402049_00166_22765_9794.N1	08-JUL-2006 10:40:00	Dark	39.500	9	Alp Eri	0.45300	24000.	79	22765	No
116	GOM_NL__2PRFIN20060708_104409_000000362049_00166_22765_9795.N1	08-JUL-2006 10:44:09	Dark	35.500	135	Bet Hyi	2.8200	5800.0	71	22765	No
117	GOM_NL__2PRFIN20060708_105143_000000402049_00166_22765_9796.N1	08-JUL-2006 10:51:43	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22765	No
118	GOM_NL__2PRFIN20060708_105630_000000362049_00166_22765_9797.N1	08-JUL-2006 10:56:30	Tw_i_and_stray	36.000	147	Alp Ara	2.8770	26000.	72	22765	No
119	GOM_NL__2PRFIN20060708_105820_000000422049_00166_22765_9798.N1	08-JUL-2006 10:58:20	Tw_i_and_stray	41.500	40	The Sco	1.8590	7100.0	83	22765	No
120	GOM_NL__2PRFIN20060708_110000_000000412049_00166_22765_9799.N1	08-JUL-2006 11:00:00	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	22765	No
121	GOM_NL__2PRFIN20060708_110127_000000472049_00166_22765_9800.N1	08-JUL-2006 11:01:27	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	22765	No
122	GOM_NL__2PRFIN20060708_110609_000000372049_00166_22765_9801.N1	08-JUL-2006 11:06:09	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	22765	No
123	GOM_NL__2PRFIN20060708_111133_000000352049_00166_22765_9802.N1	08-JUL-2006 11:11:33	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22765	No
124	GOM_NL__2PRFIN20060708_111351_000000362049_00166_22765_9803.N1	08-JUL-2006 11:13:51	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	22765	No
125	GOM_NL__2PRFIN20060708_111653_000000372049_00166_22765_9804.N1	08-JUL-2006 11:16:53	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	22765	No
126	GOM_NL__2PRFIN20060708_111930_000000352049_00166_22765_9805.N1	08-JUL-2006 11:19:30	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	22765	No
127	GOM_NL__2PRFIN20060708_112507_000000372049_00166_22765_9806.N1	08-JUL-2006 11:25:07	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22765	No
128	GOM_NL__2PRFIN20060708_112749_000000372049_00166_22765_9807.N1	08-JUL-2006 11:27:49	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	22765	No
129	GOM_NL__2PRFIN20060708_113157_000000362049_00166_22765_9808.N1	08-JUL-2006 11:31:57	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	22765	No
130	GOM_NL__2PRFIN20060708_113553_000000522049_00166_22765_9809.N1	08-JUL-2006 11:35:53	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	22765	No
131	GOM_NL__2PRFIN20060708_120220_000000372049_00166_22765_9810.N1	08-JUL-2006 12:02:20	Dark	36.500	128	67Bet Eri	2.7840	9700.0	73	22765	No
132	GOM_NL__2PRFIN20060708_120544_000000462049_00166_22765_9811.N1	08-JUL-2006 12:05:44	Dark	46.000	165	34Gam Eri	2.9500	3200.0	92	22765	No
133	GOM_NL__2PRFIN20060708_121425_000000402049_00166_22765_9812.N1	08-JUL-2006 12:14:25	Dark	39.500	157	The1Eri	2.9060	9300.0	79	22765	No
134	GOM_NL__2PRFIN20060708_122036_000000432049_00167_22766_9794.N1	08-JUL-2006 12:20:36	Dark	43.000	9	Alp Eri	0.45300	24000.	86	22766	No
135	GOM_NL__2PRFIN20060708_122446_000000362049_00167_22766_9795.N1	08-JUL-2006 12:24:46	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	22766	No
136	GOM_NL__2PRFIN20060708_123219_000000412049_00167_22766_9796.N1	08-JUL-2006 12:32:19	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	22766	No
137	GOM_NL__2PRFIN20060708_123706_000000382049_00167_22766_9797.N1	08-JUL-2006 12:37:06	Tw_i_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	22766	No
138	GOM_NL__2PRFIN20060708_123856_000000412049_00167_22766_9798.N1	08-JUL-2006 12:38:56	Tw_i_and_stray	41.000	40	The Sco	1.8590	7100.0	82	22766	No
139	GOM_NL__2PRFIN20060708_124036_000000412049_00167_22766_9799.N1	08-JUL-2006 12:40:36	Tw_i_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	22766	No
140	GOM_NL__2PRFIN20060708_124204_000000412049_00167_22766_9800.N1	08-JUL-2006 12:42:04	Bright	41.000	116	19Del Sgr	2.7000	4100.0	82	22766	No
141	GOM_NL__2PRFIN20060708_124645_000000352049_00167_22766_9801.N1	08-JUL-2006 12:46:45	Bright	35.000	86	35Eta Oph	2.4300	10200.	70	22766	No
142	GOM_NL__2PRFIN20060708_125209_000000352049_00167_22766_9802.N1	08-JUL-2006 12:52:09	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22766	No
143	GOM_NL__2PRFIN20060708_125427_000000342049_00167_22766_9803.N1	08-JUL-2006 12:54:27	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	22766	No
144	GOM_NL__2PRFIN20060708_125729_000000372049_00167_22766_9804.N1	08-JUL-2006 12:57:29	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	22766	No
145	GOM_NL__2PRFIN20060708_130006_000000342049_00167_22766_9805.N1	08-JUL-2006 13:00:06	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22766	No
146	GOM_NL__2PRFIN20060708_130543_000000532049_00167_22766_9806.N1	08-JUL-2006 13:05:43	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	22766	No
147	GOM_NL__2PRFIN20060708_130825_000000362049_00167_22766_9807.N1	08-JUL-2006 13:08:25	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22766	No
148	GOM_NL__2PRFIN20060708_131233_000000362049_00167_22766_9808.N1	08-JUL-2006 13:12:33	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	22766	No
149	GOM_NL__2PRFIN20060708_131629_000000362049_00167_22766_9809.N1	08-JUL-2006 13:16:29	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22766	No
150	GOM_NL__2PRFIN20060708_134256_000000362049_00167_22766_9810.N1	08-JUL-2006 13:42:56	Dark	35.500	128	67Bet Eri	2.7840	9700.0	71	22766	No
151	GOM_NL__2PRFIN20060708_134620_000000462049_00167_22766_9811.N1	08-JUL-2006 13:46:20	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	22766	No
152	GOM_NL__2PRFIN20060708_135502_000000392049_00167_22766_9812.N1	08-JUL-2006 13:55:02	Dark	39.000	157	The1Eri	2.9060	9300.0	78	22766	No
153	GOM_NL__2PRFIN20060708_140113_000000472049_00168_22767_9794.N1	08-JUL-2006 14:01:13	Dark	47.000	9	Alp Eri	0.45300	24000.	94	22767	No
154	GOM_NL__2PRFIN20060708_140522_000000362049_00168_22767_9795.N1	08-JUL-2006 14:05:22	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	22767	No
155	GOM_NL__2PRFIN20060708_141255_000000402049_00168_22767_9796.N1	08-JUL-2006 14:12:55	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	22767	No
156	GOM_NL__2PRFIN20060708_141742_000000362049_00168_22767_9797.N1	08-JUL-2006 14:17:42	Tw_i_and_stray	36.000	147	Alp Ara	2.8770	26000.	72	22767	No
157	GOM_NL__2PRFIN20060708_141932_000000412049_00168_22767_9798.N1	08-JUL-2006 14:19:32	Tw_i_and_stray	41.000	40	The Sco	1.8590	7100.0	82	22767	No
158	GOM_NL__2PRFIN20060708_142112_000000412049_00168_22767_9799.N1	08-JUL-2006 14:21:12	Tw_i_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	22767	No
159	GOM_NL__2PRFIN20060708_142240_000000452049_00168_22767_9800.N1	08-JUL-2006 14:22:40	Bright	44.500	116	19Del Sgr	2.7000	4100.0	89	22767	No
160	GOM_NL__2PRFIN20060708_142721_000000372049_00168_22767_9801.N1	08-JUL-2006 14:27:21	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22767	No

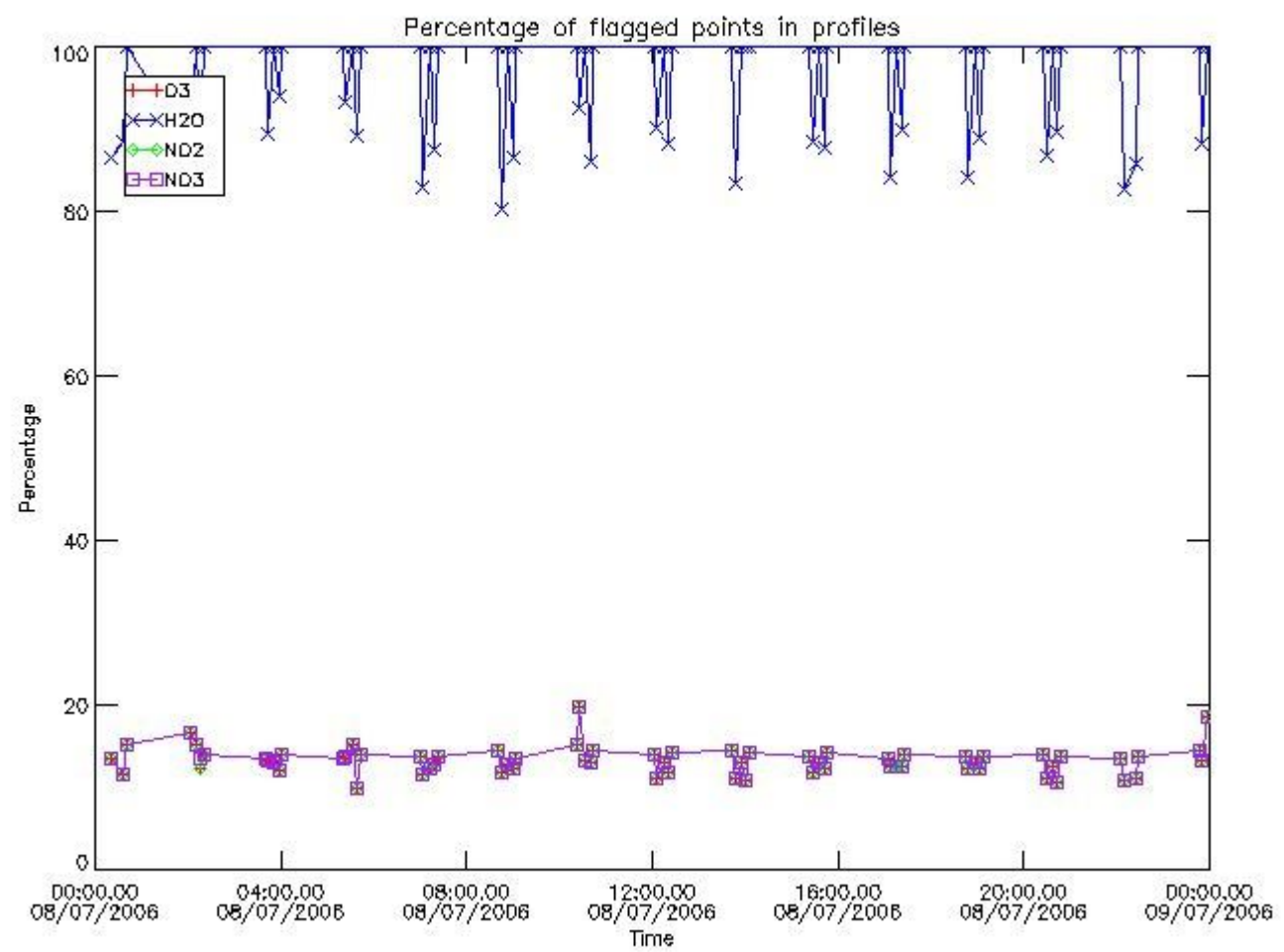
161	GOM_NL__2PRFIN20060708_143245_000000362049_00168_22767_9802.N1	08-JUL-2006 14:32:45	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22767	No
162	GOM_NL__2PRFIN20060708_143503_000000352049_00168_22767_9803.N1	08-JUL-2006 14:35:03	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	22767	No
163	GOM_NL__2PRFIN20060708_143805_000000352049_00168_22767_9804.N1	08-JUL-2006 14:38:05	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	22767	No
164	GOM_NL__2PRFIN20060708_144042_000000372049_00168_22767_9805.N1	08-JUL-2006 14:40:42	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	22767	No
165	GOM_NL__2PRFIN20060708_144619_000000342049_00168_22767_9806.N1	08-JUL-2006 14:46:19	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	22767	No
166	GOM_NL__2PRFIN20060708_144901_000000372049_00168_22767_9807.N1	08-JUL-2006 14:49:01	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	22767	No
167	GOM_NL__2PRFIN20060708_145310_000000362049_00168_22767_9808.N1	08-JUL-2006 14:53:10	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	22767	No
168	GOM_NL__2PRFIN20060708_145705_000000362049_00168_22767_9809.N1	08-JUL-2006 14:57:05	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22767	No
169	GOM_NL__2PRFIN20060708_152332_000000372049_00168_22767_9810.N1	08-JUL-2006 15:23:32	Dark	37.000	128	67Bet Eri	2.7840	9700.0	74	22767	No
170	GOM_NL__2PRFIN20060708_152656_000000442049_00168_22767_9811.N1	08-JUL-2006 15:26:56	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	22767	No
171	GOM_NL__2PRFIN20060708_153538_000000402049_00168_22767_9812.N1	08-JUL-2006 15:35:38	Dark	39.500	157	The1Eri	2.9060	9300.0	79	22767	No
172	GOM_NL__2PRFIN20060708_154149_000000422049_00169_22768_9794.N1	08-JUL-2006 15:41:49	Dark	41.500	9	Alp Eri	0.45300	24000.	83	22768	No
173	GOM_NL__2PRFIN20060708_154558_000000362049_00169_22768_9795.N1	08-JUL-2006 15:45:58	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	22768	No
174	GOM_NL__2PRFIN20060708_155332_000000402049_00169_22768_9796.N1	08-JUL-2006 15:53:32	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22768	No
175	GOM_NL__2PRFIN20060708_155818_000000362049_00169_22768_9797.N1	08-JUL-2006 15:58:18	Tw_i_and_stray	36.000	147	Alp Ara	2.8770	26000.	72	22768	No
176	GOM_NL__2PRFIN20060708_160008_000000382049_00169_22768_9798.N1	08-JUL-2006 16:00:08	Tw_i_and_stray	37.500	40	The Sco	1.8590	7100.0	75	22768	No
177	GOM_NL__2PRFIN20060708_160148_000000442049_00169_22768_9799.N1	08-JUL-2006 16:01:48	Tw_i_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	22768	No
178	GOM_NL__2PRFIN20060708_160316_000000502049_00169_22768_9800.N1	08-JUL-2006 16:03:16	Bright	50.000	116	19Del Sgr	2.7000	4100.0	100	22768	No
179	GOM_NL__2PRFIN20060708_160757_000000362049_00169_22768_9801.N1	08-JUL-2006 16:07:57	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	22768	No
180	GOM_NL__2PRFIN20060708_161321_000000362049_00169_22768_9802.N1	08-JUL-2006 16:13:21	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22768	No
181	GOM_NL__2PRFIN20060708_161539_000000362049_00169_22768_9803.N1	08-JUL-2006 16:15:39	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	22768	No
182	GOM_NL__2PRFIN20060708_161841_000000352049_00169_22768_9804.N1	08-JUL-2006 16:18:41	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	22768	No
183	GOM_NL__2PRFIN20060708_162118_000000342049_00169_22768_9805.N1	08-JUL-2006 16:21:18	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22768	No
184	GOM_NL__2PRFIN20060708_162654_000000362049_00169_22768_9806.N1	08-JUL-2006 16:26:54	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	22768	No
185	GOM_NL__2PRFIN20060708_162937_000000372049_00169_22768_9807.N1	08-JUL-2006 16:29:37	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	22768	No
186	GOM_NL__2PRFIN20060708_163346_000000352049_00169_22768_9808.N1	08-JUL-2006 16:33:46	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	22768	No
187	GOM_NL__2PRFIN20060708_163741_000000362049_00169_22768_9809.N1	08-JUL-2006 16:37:41	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22768	No
188	GOM_NL__2PRFIN20060708_170408_000000382049_00169_22768_9810.N1	08-JUL-2006 17:04:08	Dark	37.500	128	67Bet Eri	2.7840	9700.0	75	22768	No
189	GOM_NL__2PRFIN20060708_170732_000000452049_00169_22768_9811.N1	08-JUL-2006 17:07:32	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	22768	No
190	GOM_NL__2PRFIN20060708_171615_000000412049_00169_22768_9812.N1	08-JUL-2006 17:16:15	Dark	40.500	157	The1Eri	2.9060	9300.0	81	22768	No
191	GOM_NL__2PRFIN20060708_172226_000000452049_00170_22769_9794.N1	08-JUL-2006 17:22:26	Dark	44.500	9	Alp Eri	0.45300	24000.	89	22769	No
192	GOM_NL__2PRFIN20060708_172634_000000372049_00170_22769_9795.N1	08-JUL-2006 17:26:34	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22769	No
193	GOM_NL__2PRFIN20060708_173408_000000392049_00170_22769_9796.N1	08-JUL-2006 17:34:08	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	22769	No
194	GOM_NL__2PRFIN20060708_173854_000000372049_00170_22769_9797.N1	08-JUL-2006 17:38:54	Tw_i_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	22769	No
195	GOM_NL__2PRFIN20060708_174045_000000432049_00170_22769_9798.N1	08-JUL-2006 17:40:45	Tw_i_and_stray	42.500	40	The Sco	1.8590	7100.0	85	22769	No
196	GOM_NL__2PRFIN20060708_174224_000000422049_00170_22769_9799.N1	08-JUL-2006 17:42:24	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	22769	No
197	GOM_NL__2PRFIN20060708_174352_000000472049_00170_22769_9800.N1	08-JUL-2006 17:43:52	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	22769	No
198	GOM_NL__2PRFIN20060708_174833_000000372049_00170_22769_9801.N1	08-JUL-2006 17:48:33	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22769	No
199	GOM_NL__2PRFIN20060708_175357_000000362049_00170_22769_9802.N1	08-JUL-2006 17:53:57	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22769	No
200	GOM_NL__2PRFIN20060708_175615_000000352049_00170_22769_9803.N1	08-JUL-2006 17:56:15	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22769	No
201	GOM_NL__2PRFIN20060708_175918_000000372049_00170_22769_9804.N1	08-JUL-2006 17:59:18	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	22769	No
202	GOM_NL__2PRFIN20060708_180154_000000342049_00170_22769_9805.N1	08-JUL-2006 18:01:54	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22769	No
203	GOM_NL__2PRFIN20060708_180730_000000382049_00170_22769_9806.N1	08-JUL-2006 18:07:30	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	22769	No
204	GOM_NL__2PRFIN20060708_181013_000000362049_00170_22769_9807.N1	08-JUL-2006 18:10:13	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	22769	No
205	GOM_NL__2PRFIN20060708_181422_000000332049_00170_22769_9808.N1	08-JUL-2006 18:14:22	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	22769	No
206	GOM_NL__2PRFIN20060708_181817_000000362049_00170_22769_9809.N1	08-JUL-2006 18:18:17	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22769	No
207	GOM_NL__2PRFIN20060708_184445_000000372049_00170_22769_9810.N1	08-JUL-2006 18:44:45	Dark	37.000	128	67Bet Eri	2.7840	9700.0	74	22769	No
208	GOM_NL__2PRFIN20060708_184809_000000422049_00170_22769_9811.N1	08-JUL-2006 18:48:09	Dark	41.500	165	34Gam Eri	2.9500	3200.0	83	22769	No
209	GOM_NL__2PRFIN20060708_185651_000000392049_00170_22769_9812.N1	08-JUL-2006 18:56:51	Dark	39.000	157	The1Eri	2.9060	9300.0	78	22769	No
210	GOM_NL__2PRFIN20060708_190303_000000422049_00171_22770_9794.N1	08-JUL-2006 19:03:03	Dark	41.500	9	Alp Eri	0.45300	24000.	83	22770	No
211	GOM_NL__2PRFIN20060708_190710_000000372049_00171_22770_9795.N1	08-JUL-2006 19:07:10	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22770	No
212	GOM_NL__2PRFIN20060708_191445_000000472049_00171_22770_9796.N1	08-JUL-2006 19:14:45	Straylight	46.500	45	Alp Pav	1.9400	26000.	93	22770	No
213	GOM_NL__2PRFIN20060708_191930_000000372049_00171_22770_9797.N1	08-JUL-2006 19:19:30	Tw_i_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	22770	No
214	GOM_NL__2PRFIN20060708_192121_000000442049_00171_22770_9798.N1	08-JUL-2006 19:21:21	Tw_i_and_stray	43.500	40	The Sco	1.8590	7100.0	87	22770	No
215	GOM_NL__2PRFIN20060708_192300_000000412049_00171_22770_9799.N1	08-JUL-2006 19:23:00	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	22770	No
216	GOM_NL__2PRFIN20060708_192428_000000422049_00171_22770_9800.N1	08-JUL-2006 19:24:28	Bright	41.500	116	19Del Sgr	2.7000	4100.0	83	22770	No
217	GOM_NL__2PRFIN20060708_192909_000000372049_00171_22770_9801.N1	08-JUL-2006 19:29:09	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22770	No
218	GOM_NL__2PRFIN20060708_193433_000000362049_00171_22770_9802.N1	08-JUL-2006 19:34:33	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22770	No
219	GOM_NL__2PRFIN20060708_193651_000000352049_00171_22770_9803.N1	08-JUL-2006 19:36:51	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22770	No

220	GOM_NL__2PRFIN20060708_193954_000000342049_00171_22770_9804.N1	08-JUL-2006 19:39:54	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	22770	No
221	GOM_NL__2PRFIN20060708_194230_000000342049_00171_22770_9805.N1	08-JUL-2006 19:42:30	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22770	No
222	GOM_NL__2PRFIN20060708_194806_000000372049_00171_22770_9806.N1	08-JUL-2006 19:48:06	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22770	No
223	GOM_NL__2PRFIN20060708_195049_000000522049_00171_22770_9807.N1	08-JUL-2006 19:50:49	Bright	52.000	119	14Eta Dra	2.7270	4700.0	104	22770	No
224	GOM_NL__2PRFIN20060708_195458_000000362049_00171_22770_9808.N1	08-JUL-2006 19:54:58	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22770	No
225	GOM_NL__2PRFIN20060708_195853_000000362049_00171_22770_9809.N1	08-JUL-2006 19:58:53	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22770	No
226	GOM_NL__2PRFIN20060708_202521_000000372049_00171_22770_9810.N1	08-JUL-2006 20:25:21	Dark	36.500	128	67Bet Eri	2.7840	9700.0	73	22770	No
227	GOM_NL__2PRFIN20060708_202845_000000462049_00171_22770_9811.N1	08-JUL-2006 20:28:45	Dark	46.000	165	34Gam Eri	2.9500	3200.0	92	22770	No
228	GOM_NL__2PRFIN20060708_203728_000000412049_00171_22770_9812.N1	08-JUL-2006 20:37:28	Dark	40.500	157	The1Eri	2.9060	9300.0	81	22770	No
229	GOM_NL__2PRFIN20060708_204339_000000532049_00172_22771_9794.N1	08-JUL-2006 20:43:39	Dark	53.000	9	Alp Eri	0.45300	24000.	106	22771	No
230	GOM_NL__2PRFIN20060708_204747_000000372049_00172_22771_9795.N1	08-JUL-2006 20:47:47	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22771	No
231	GOM_NL__2PRFIN20060708_205521_000000392049_00172_22771_9796.N1	08-JUL-2006 20:55:21	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	22771	No
232	GOM_NL__2PRFIN20060708_210007_000000382049_00172_22771_9797.N1	08-JUL-2006 21:00:07	Twi_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	22771	No
233	GOM_NL__2PRFIN20060708_210157_000000432049_00172_22771_9798.N1	08-JUL-2006 21:01:57	Twi_and_stray	43.000	40	The Sco	1.8590	7100.0	86	22771	No
234	GOM_NL__2PRFIN20060708_210336_000000392049_00172_22771_9799.N1	08-JUL-2006 21:03:36	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	22771	No
235	GOM_NL__2PRFIN20060708_210504_000000472049_00172_22771_9800.N1	08-JUL-2006 21:05:04	Bright	46.500	116	19Del Sgr	2.7000	4100.0	93	22771	No
236	GOM_NL__2PRFIN20060708_210945_000000372049_00172_22771_9801.N1	08-JUL-2006 21:09:45	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22771	No
237	GOM_NL__2PRFIN20060708_211509_000000352049_00172_22771_9802.N1	08-JUL-2006 21:15:09	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22771	No
238	GOM_NL__2PRFIN20060708_211727_000000362049_00172_22771_9803.N1	08-JUL-2006 21:17:27	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	22771	No
239	GOM_NL__2PRFIN20060708_212030_000000352049_00172_22771_9804.N1	08-JUL-2006 21:20:30	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	22771	No
240	GOM_NL__2PRFIN20060708_212307_000000362049_00172_22771_9805.N1	08-JUL-2006 21:23:07	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	22771	No
241	GOM_NL__2PRFIN20060708_212842_000000332049_00172_22771_9806.N1	08-JUL-2006 21:28:42	Bright	33.000	130	23Bet Dra	2.7990	5800.0	66	22771	No
242	GOM_NL__2PRFIN20060708_213126_000000362049_00172_22771_9807.N1	08-JUL-2006 21:31:26	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22771	No
243	GOM_NL__2PRFIN20060708_213534_000000332049_00172_22771_9808.N1	08-JUL-2006 21:35:34	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	22771	No
244	GOM_NL__2PRFIN20060708_213929_000000362049_00172_22771_9809.N1	08-JUL-2006 21:39:29	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22771	No
245	GOM_NL__2PRFIN20060708_220557_000000382049_00172_22771_9810.N1	08-JUL-2006 22:05:57	Dark	38.000	128	67Bet Eri	2.7840	9700.0	76	22771	No
246	GOM_NL__2PRFIN20060708_220922_000000472049_00172_22771_9811.N1	08-JUL-2006 22:09:22	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	22771	No
247	GOM_NL__2PRFIN20060708_222415_000000502049_00173_22772_9794.N1	08-JUL-2006 22:24:15	Dark	50.000	9	Alp Eri	0.45300	24000.	100	22772	No
248	GOM_NL__2PRFIN20060708_222823_000000372049_00173_22772_9795.N1	08-JUL-2006 22:28:23	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22772	No
249	GOM_NL__2PRFIN20060708_223557_000000402049_00173_22772_9796.N1	08-JUL-2006 22:35:57	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22772	No
250	GOM_NL__2PRFIN20060708_224042_000000382049_00173_22772_9797.N1	08-JUL-2006 22:40:42	Twi_and_stray	38.000	147	Alp Ara	2.8770	26000.	76	22772	No
251	GOM_NL__2PRFIN20060708_224233_000000402049_00173_22772_9798.N1	08-JUL-2006 22:42:33	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	22772	No
252	GOM_NL__2PRFIN20060708_224412_000000382049_00173_22772_9799.N1	08-JUL-2006 22:44:12	Twi_and_stray	38.000	25	35Lam Sco	1.6200	28000.	76	22772	No
253	GOM_NL__2PRFIN20060708_224540_000000422049_00173_22772_9800.N1	08-JUL-2006 22:45:40	Bright	42.000	116	19Del Sgr	2.7000	4100.0	84	22772	No
254	GOM_NL__2PRFIN20060708_225021_000000362049_00173_22772_9801.N1	08-JUL-2006 22:50:21	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	22772	No
255	GOM_NL__2PRFIN20060708_225545_000000362049_00173_22772_9802.N1	08-JUL-2006 22:55:45	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22772	No
256	GOM_NL__2PRFIN20060708_225803_000000352049_00173_22772_9803.N1	08-JUL-2006 22:58:03	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22772	No
257	GOM_NL__2PRFIN20060708_230106_000000382049_00173_22772_9804.N1	08-JUL-2006 23:01:06	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	22772	No
258	GOM_NL__2PRFIN20060708_230343_000000352049_00173_22772_9805.N1	08-JUL-2006 23:03:43	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	22772	No
259	GOM_NL__2PRFIN20060708_230918_000000342049_00173_22772_9806.N1	08-JUL-2006 23:09:18	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	22772	No
260	GOM_NL__2PRFIN20060708_231202_000000362049_00173_22772_9807.N1	08-JUL-2006 23:12:02	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22772	No
261	GOM_NL__2PRFIN20060708_231610_000000352049_00173_22772_9808.N1	08-JUL-2006 23:16:10	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	22772	No
262	GOM_NL__2PRFIN20060708_232005_000000332049_00173_22772_9809.N1	08-JUL-2006 23:20:05	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	22772	No
263	GOM_NL__2PRFIN20060708_234633_000000392049_00173_22772_9810.N1	08-JUL-2006 23:46:33	Dark	38.500	128	67Bet Eri	2.7840	9700.0	77	22772	No
264	GOM_NL__2PRFIN20060708_234958_000000382049_00173_22772_9811.N1	08-JUL-2006 23:49:58	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	22772	No
265	GOM_NL__2PRFIN20060708_235840_000000442049_00173_22772_9812.N1	08-JUL-2006 23:58:40	Dark	44.000	157	The1Eri	2.9060	9300.0	88	22772	No

### 3. Quality information per product

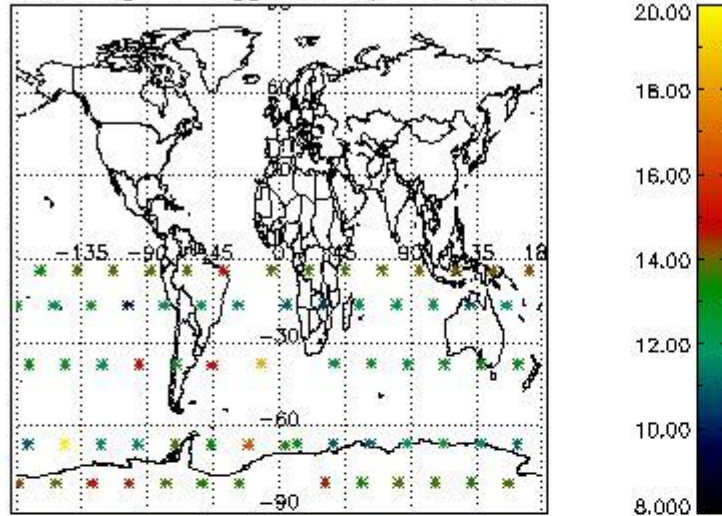
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

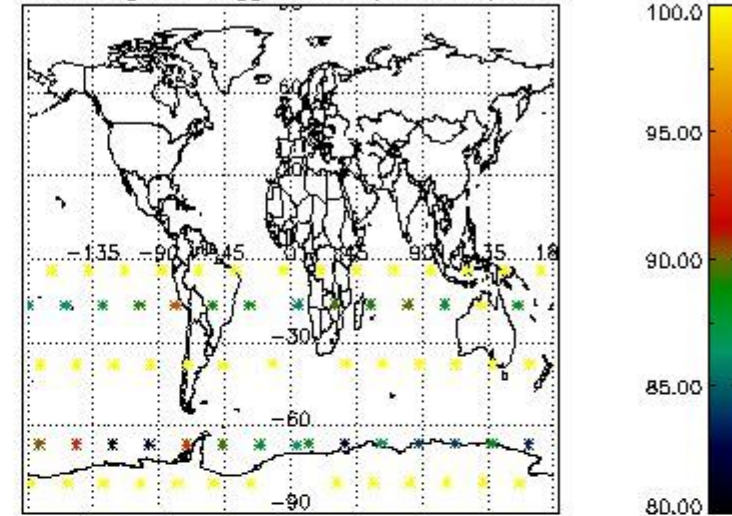


*3.2 Plot quality information per product (world map)*

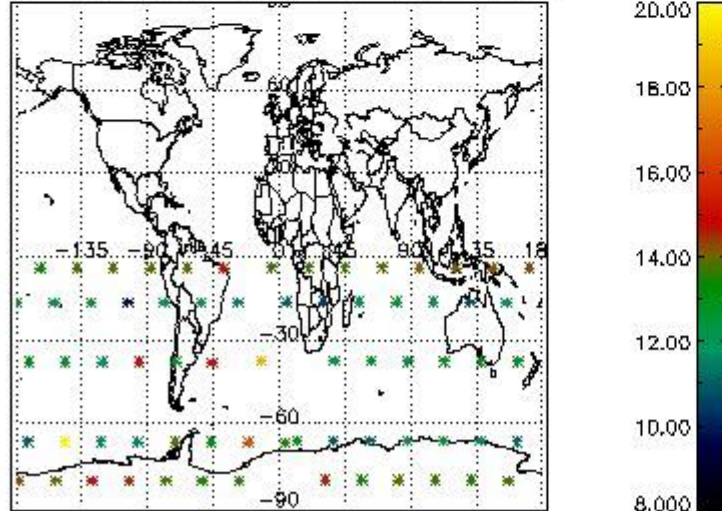
Percentage of flagged data per O3 profile



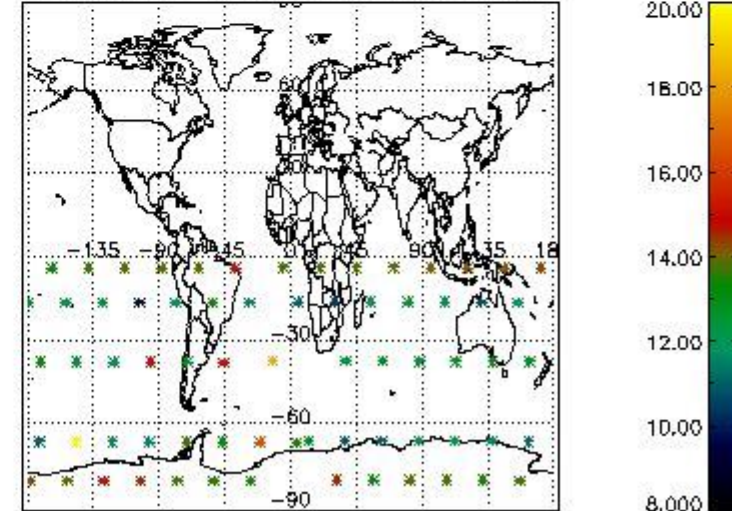
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



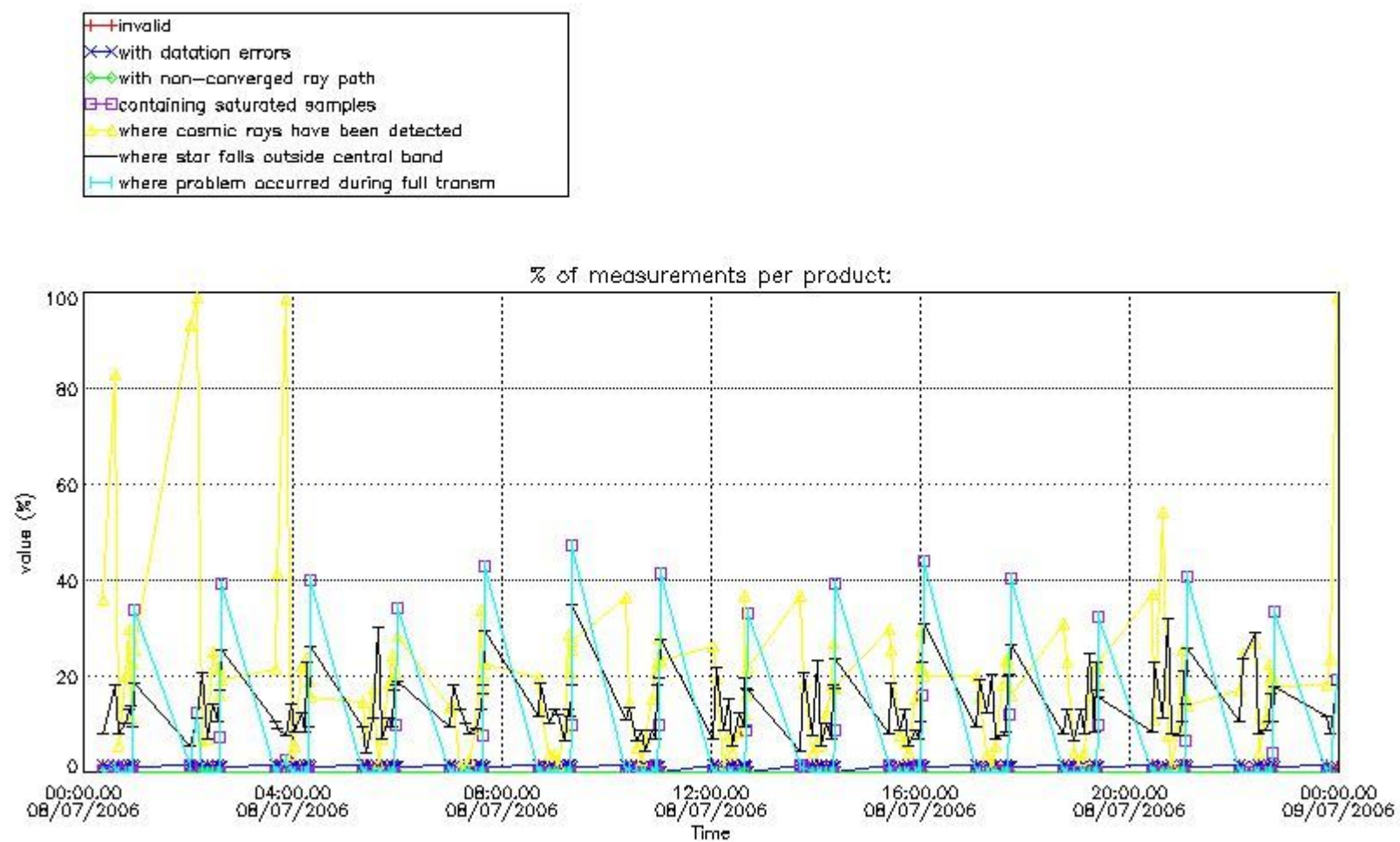
#### 4. Level 1 quality information per product

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.

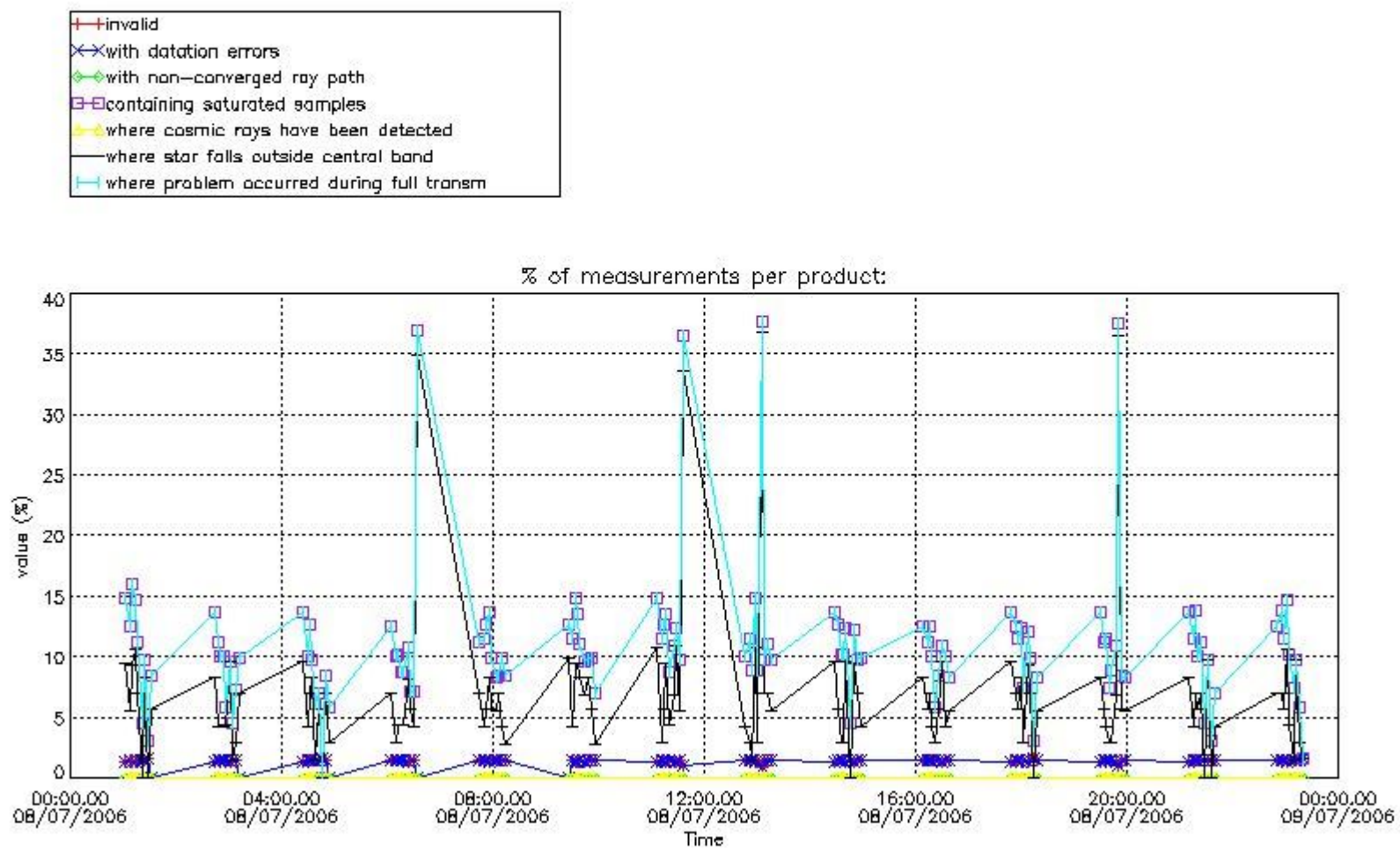
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





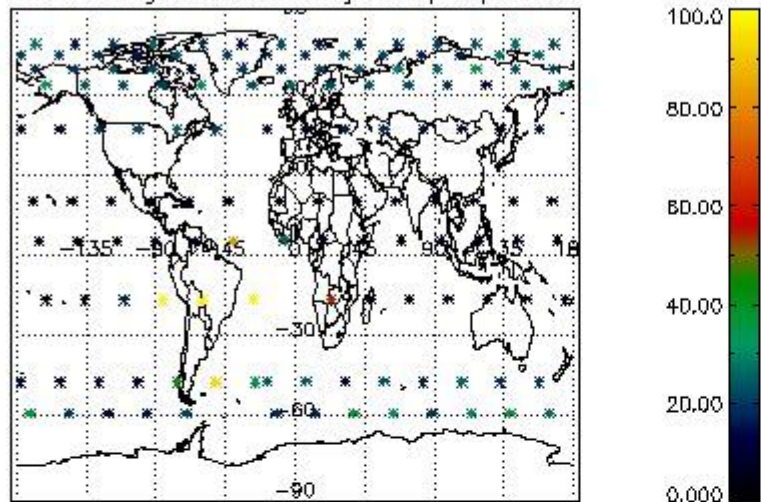
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



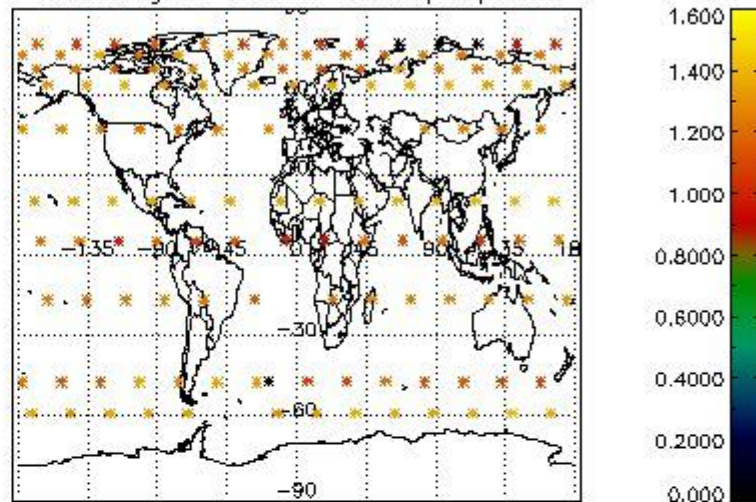
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

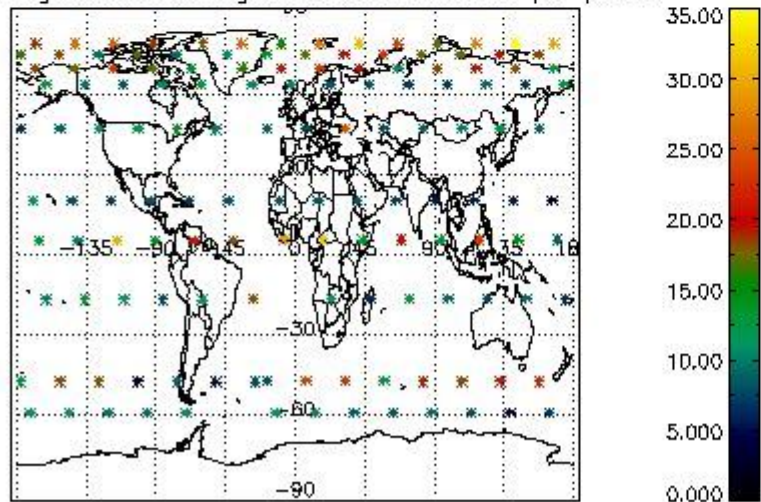
Percentage of cosmic ray hits per profile



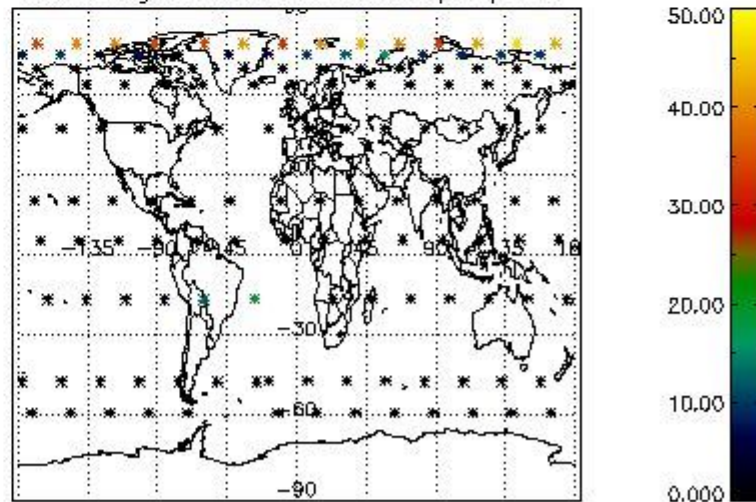
Percentage of datation errors per profile



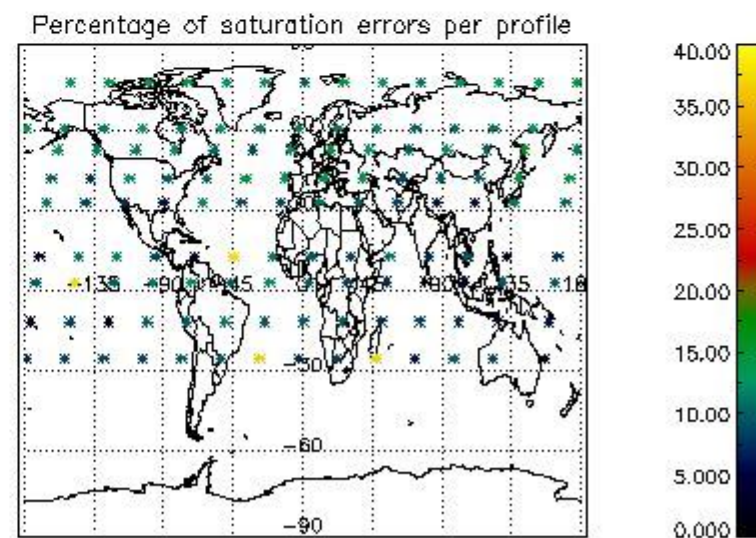
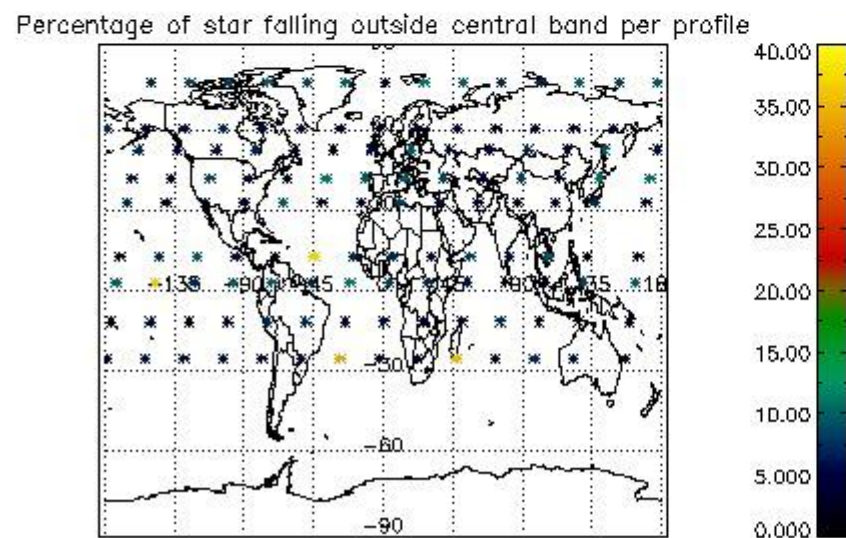
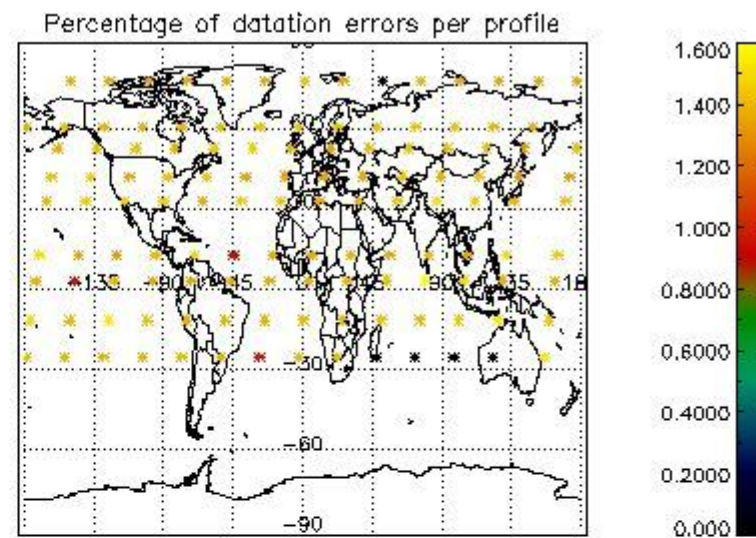
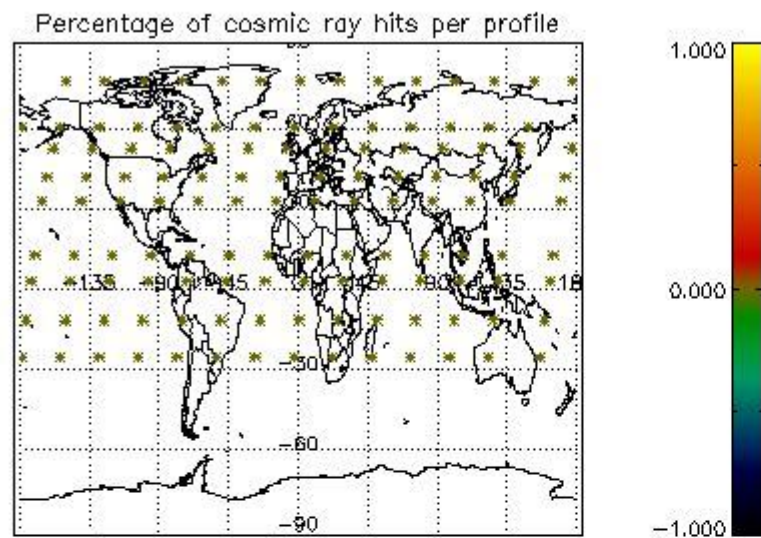
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 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

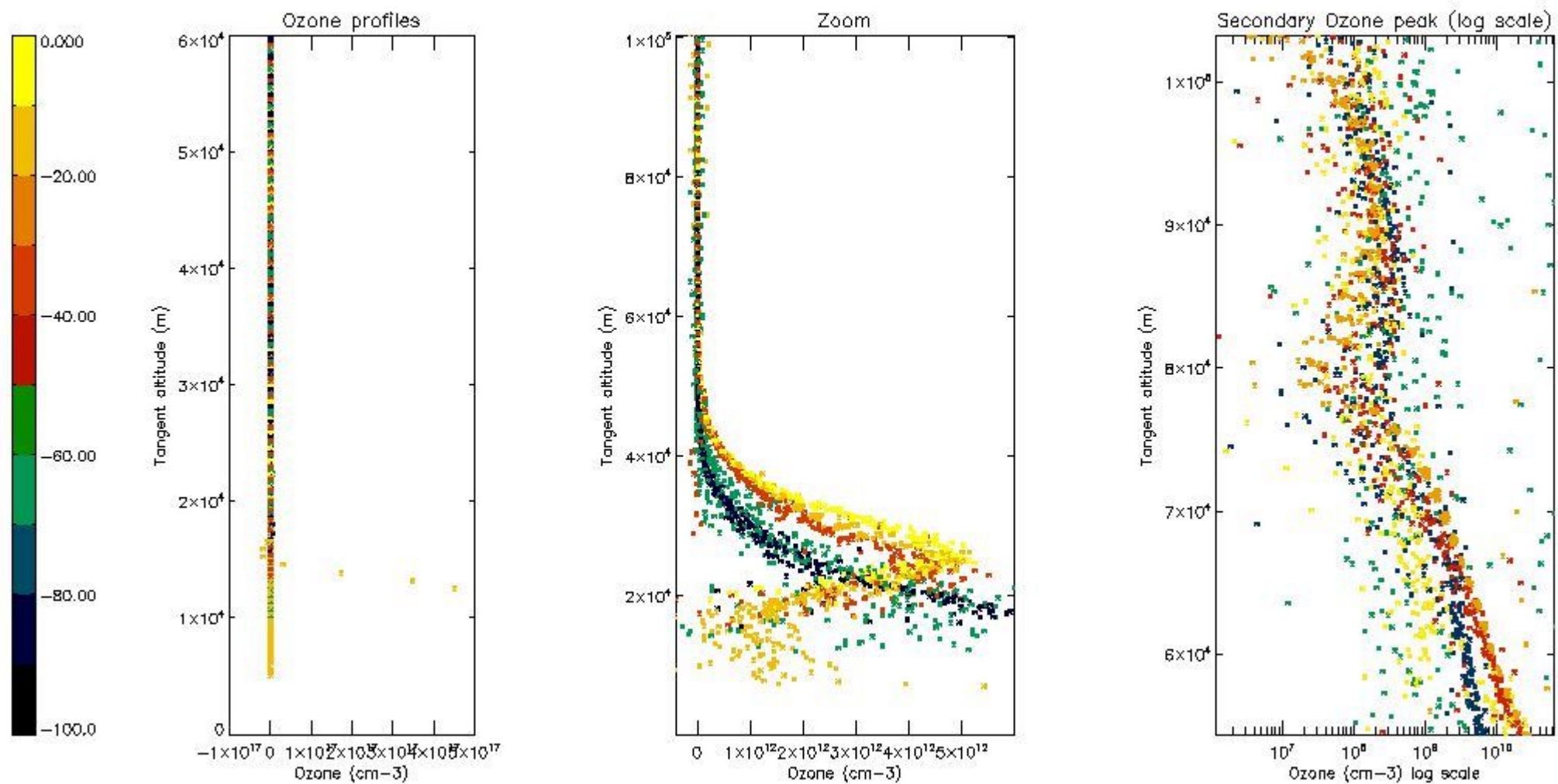
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	12

STD < 10	8
STD < 5	3

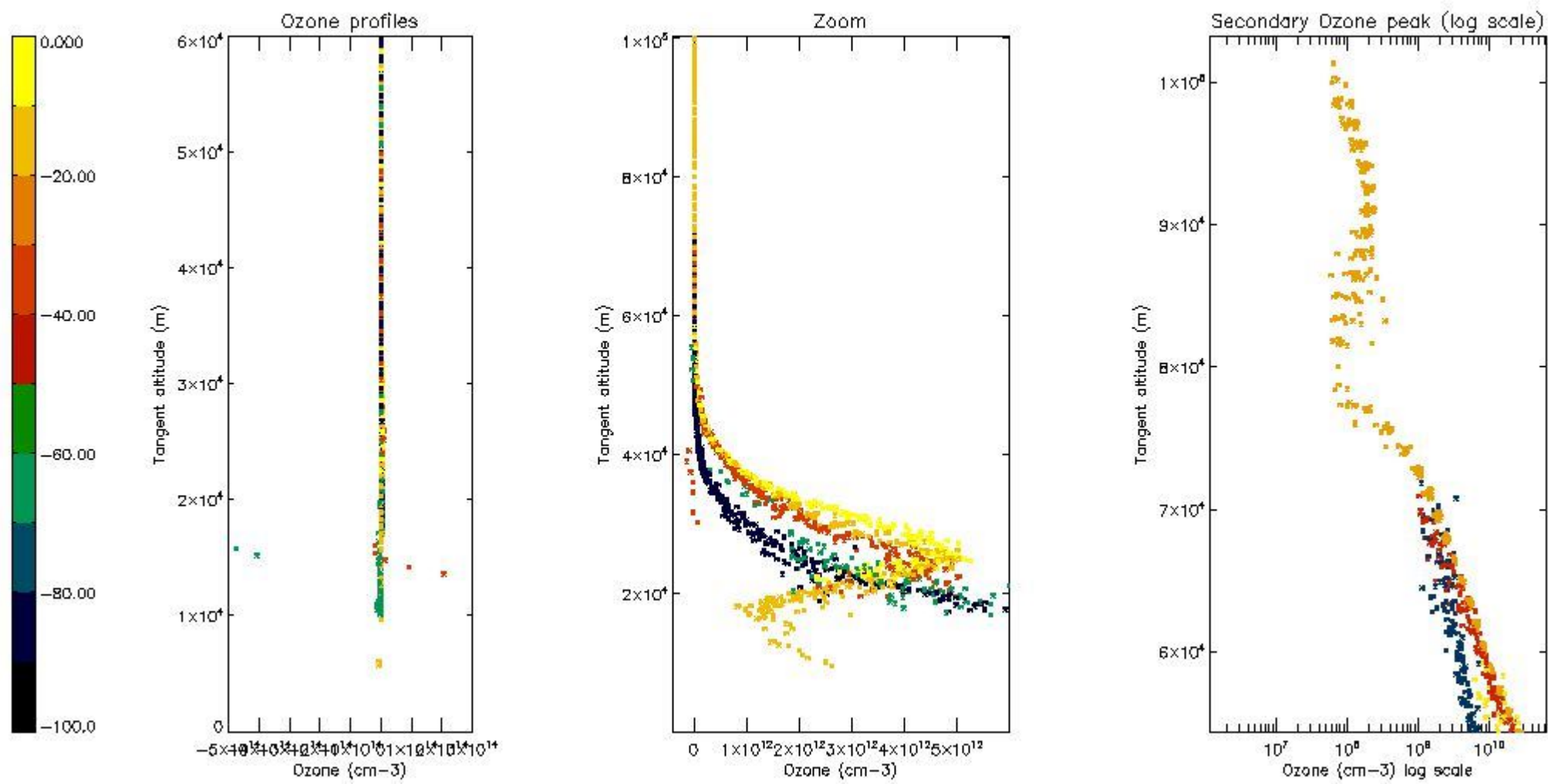
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



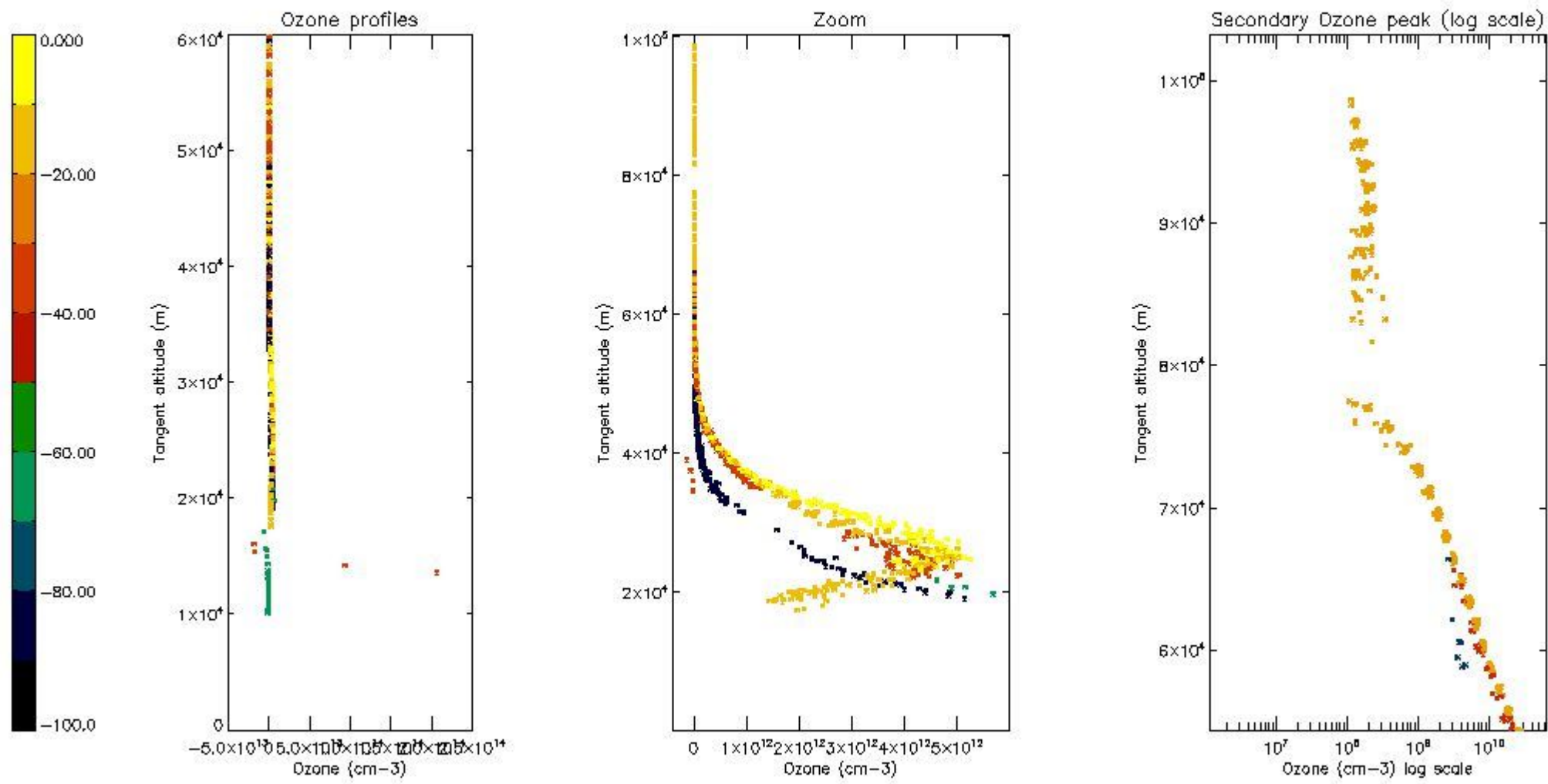
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



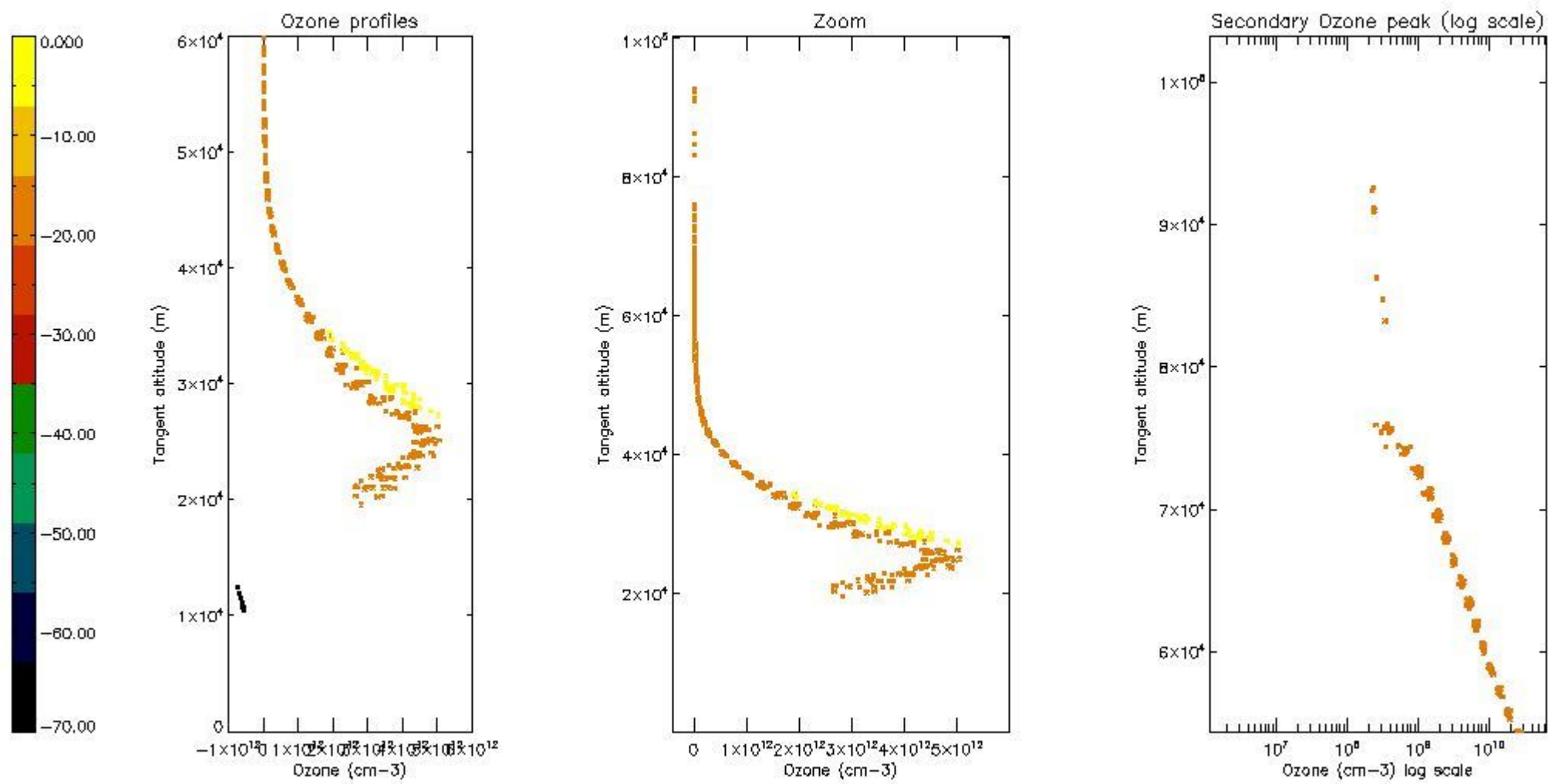
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



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

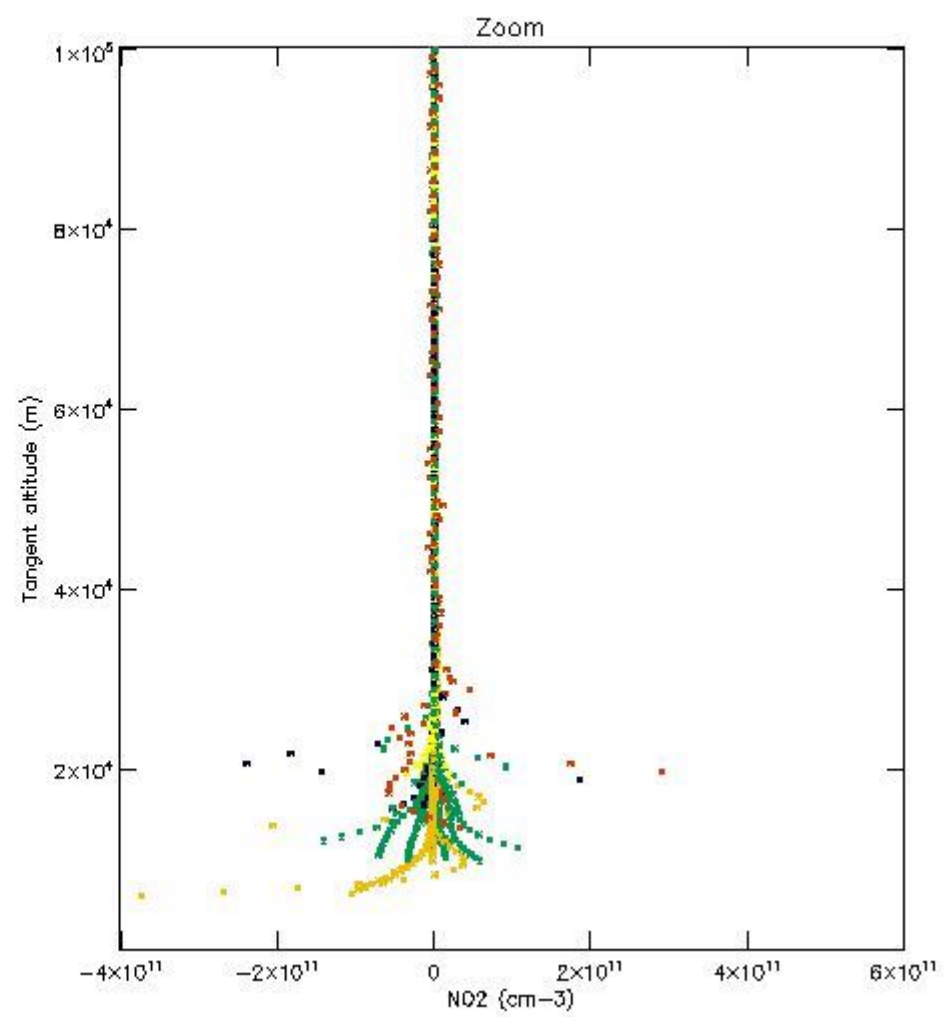
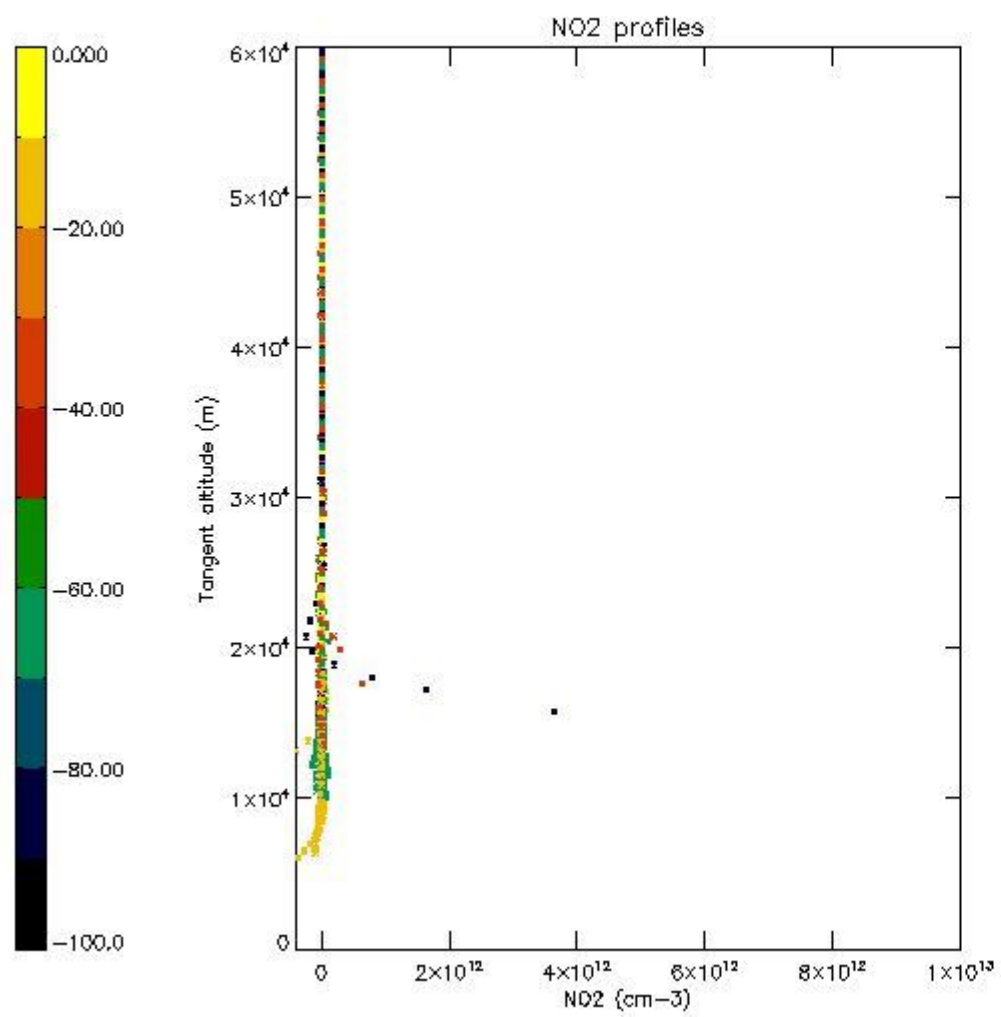
The colorbar represents the latitude.



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

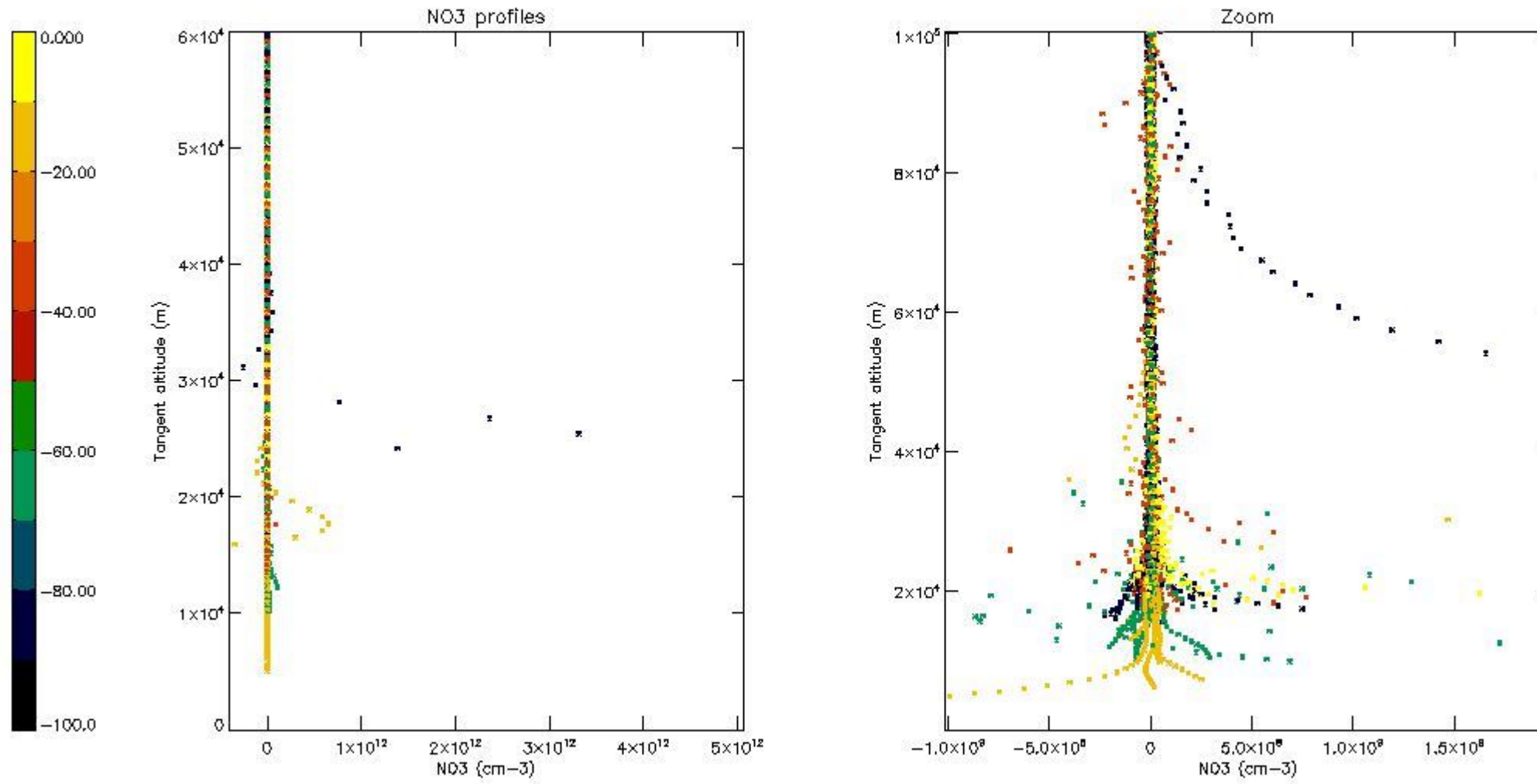
The colorbar represents the latitude.





*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	08-JUL-2006 00:21:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-JUL-2006 00:21:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-JUL-2006 00:21:29

# GOMOS Level 2 Daily Report

## SUMMARY

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#### [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	24APR2013 01:22:11
Data source version	GOMOS/6.01
Start time of products	08-07-2006 (08JUL2006 00:00:00)
Stop time of products	09-07-2006 (09JUL2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	265
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__2PRFIN20060708_002129_000000382049_00159_22758_9790.N1	08-JUL-2006 00:21:29	Dark	37.500	165	34Gam Eri	2.9500	3200.0	75	22758	No
2	GOM_NL__2PRFIN20060708_003621_000000442049_00160_22759_9774.N1	08-JUL-2006 00:36:21	Dark	44.000	9	Alp Eri	0.45300	24000.	88	22759	No
3	GOM_NL__2PRFIN20060708_004032_000000372049_00160_22759_9775.N1	08-JUL-2006 00:40:32	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22759	No
4	GOM_NL__2PRFIN20060708_004804_000000402049_00160_22759_9776.N1	08-JUL-2006 00:48:04	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	22759	No
5	GOM_NL__2PRFIN20060708_005253_000000392049_00160_22759_9777.N1	08-JUL-2006 00:52:53	Twi_and_stray	38.500	147	Alp Ara	2.8770	26000.	77	22759	No
6	GOM_NL__2PRFIN20060708_005443_000000402049_00160_22759_9778.N1	08-JUL-2006 00:54:43	Twi_and_stray	39.500	40	The Sco	1.8590	7100.0	79	22759	No
7	GOM_NL__2PRFIN20060708_005623_000000382049_00160_22759_9779.N1	08-JUL-2006 00:56:23	Twi_and_stray	37.500	25	35Lam Sco	1.6200	28000.	75	22759	No
8	GOM_NL__2PRFIN20060708_005750_000000432049_00160_22759_9780.N1	08-JUL-2006 00:57:50	Bright	43.000	116	19Del Sgr	2.7000	4100.0	86	22759	No
9	GOM_NL__2PRFIN20060708_010232_000000372049_00160_22759_9781.N1	08-JUL-2006 01:02:32	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	22759	No
10	GOM_NL__2PRFIN20060708_010757_000000362049_00160_22759_9782.N1	08-JUL-2006 01:07:57	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22759	No
11	GOM_NL__2PRFIN20060708_011015_000000382049_00160_22759_9783.N1	08-JUL-2006 01:10:15	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	22759	No
12	GOM_NL__2PRFIN20060708_011316_000000382049_00160_22759_9784.N1	08-JUL-2006 01:13:16	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	22759	No
13	GOM_NL__2PRFIN20060708_011553_000000362049_00160_22759_9785.N1	08-JUL-2006 01:15:53	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	22759	No
14	GOM_NL__2PRFIN20060708_012131_000000342049_00160_22759_9786.N1	08-JUL-2006 01:21:31	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	22759	No
15	GOM_NL__2PRFIN20060708_012413_000000362049_00160_22759_9787.N1	08-JUL-2006 01:24:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22759	No
16	GOM_NL__2PRFIN20060708_012820_000000332049_00160_22759_9788.N1	08-JUL-2006 01:28:20	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	22759	No
17	GOM_NL__2PRFIN20060708_013217_000000362049_00160_22759_9789.N1	08-JUL-2006 01:32:17	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22759	No
18	GOM_NL__2PRFIN20060708_020206_000000372049_00160_22759_9790.N1	08-JUL-2006 02:02:06	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	22759	No
19	GOM_NL__2PRFIN20060708_021046_000000412049_00160_22759_9791.N1	08-JUL-2006 02:10:46	Dark	40.500	157	The1Eri	2.9060	9300.0	81	22759	No
20	GOM_NL__2PRFIN20060708_021657_000000462049_00161_22760_9774.N1	08-JUL-2006 02:16:57	Dark	45.500	9	Alp Eri	0.45300	24000.	91	22760	No
21	GOM_NL__2PRFIN20060708_022108_000000372049_00161_22760_9775.N1	08-JUL-2006 02:21:08	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22760	No
22	GOM_NL__2PRFIN20060708_022841_000000422049_00161_22760_9776.N1	08-JUL-2006 02:28:41	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	22760	No
23	GOM_NL__2PRFIN20060708_023329_000000382049_00161_22760_9777.N1	08-JUL-2006 02:33:29	Twi_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	22760	No
24	GOM_NL__2PRFIN20060708_023519_000000412049_00161_22760_9778.N1	08-JUL-2006 02:35:19	Twi_and_stray	41.000	40	The Sco	1.8590	7100.0	82	22760	No
25	GOM_NL__2PRFIN20060708_023659_000000412049_00161_22760_9779.N1	08-JUL-2006 02:36:59	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	22760	No
26	GOM_NL__2PRFIN20060708_023826_000000472049_00161_22760_9780.N1	08-JUL-2006 02:38:26	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	22760	No
27	GOM_NL__2PRFIN20060708_024308_000000372049_00161_22760_9781.N1	08-JUL-2006 02:43:08	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22760	No
28	GOM_NL__2PRFIN20060708_024833_000000362049_00161_22760_9782.N1	08-JUL-2006 02:48:33	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	22760	No
29	GOM_NL__2PRFIN20060708_025051_000000352049_00161_22760_9783.N1	08-JUL-2006 02:50:51	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22760	No
30	GOM_NL__2PRFIN20060708_025352_000000352049_00161_22760_9784.N1	08-JUL-2006 02:53:52	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	22760	No
31	GOM_NL__2PRFIN20060708_025629_000000342049_00161_22760_9785.N1	08-JUL-2006 02:56:29	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22760	No
32	GOM_NL__2PRFIN20060708_030207_000000372049_00161_22760_9786.N1	08-JUL-2006 03:02:07	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22760	No
33	GOM_NL__2PRFIN20060708_030449_000000332049_00161_22760_9787.N1	08-JUL-2006 03:04:49	Bright	33.000	119	14Eta Dra	2.7270	4700.0	66	22760	No
34	GOM_NL__2PRFIN20060708_030857_000000352049_00161_22760_9788.N1	08-JUL-2006 03:08:57	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	22760	No
35	GOM_NL__2PRFIN20060708_031253_000000362049_00161_22760_9789.N1	08-JUL-2006 03:12:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22760	No
36	GOM_NL__2PRFIN20060708_033920_000000382049_00161_22760_9790.N1	08-JUL-2006 03:39:20	Dark	37.500	128	67Bet Eri	2.7840	9700.0	75	22760	No
37	GOM_NL__2PRFIN20060708_034242_000000392049_00161_22760_9791.N1	08-JUL-2006 03:42:42	Dark	38.500	165	34Gam Eri	2.9500	3200.0	77	22760	No
38	GOM_NL__2PRFIN20060708_035123_000000392049_00161_22760_9792.N1	08-JUL-2006 03:51:23	Dark	39.000	157	The1Eri	2.9060	9300.0	78	22760	No
39	GOM_NL__2PRFIN20060708_035734_000000422049_00162_22761_9774.N1	08-JUL-2006 03:57:34	Dark	42.000	9	Alp Eri	0.45300	24000.	84	22761	No
40	GOM_NL__2PRFIN20060708_040145_000000372049_00162_22761_9775.N1	08-JUL-2006 04:01:45	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	22761	No
41	GOM_NL__2PRFIN20060708_040917_000000412049_00162_22761_9776.N1	08-JUL-2006 04:09:17	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	22761	No
42	GOM_NL__2PRFIN20060708_041406_000000372049_00162_22761_9777.N1	08-JUL-2006 04:14:06	Twi_and_stray	36.500	147	Alp Ara	2.8770	26000.	73	22761	No







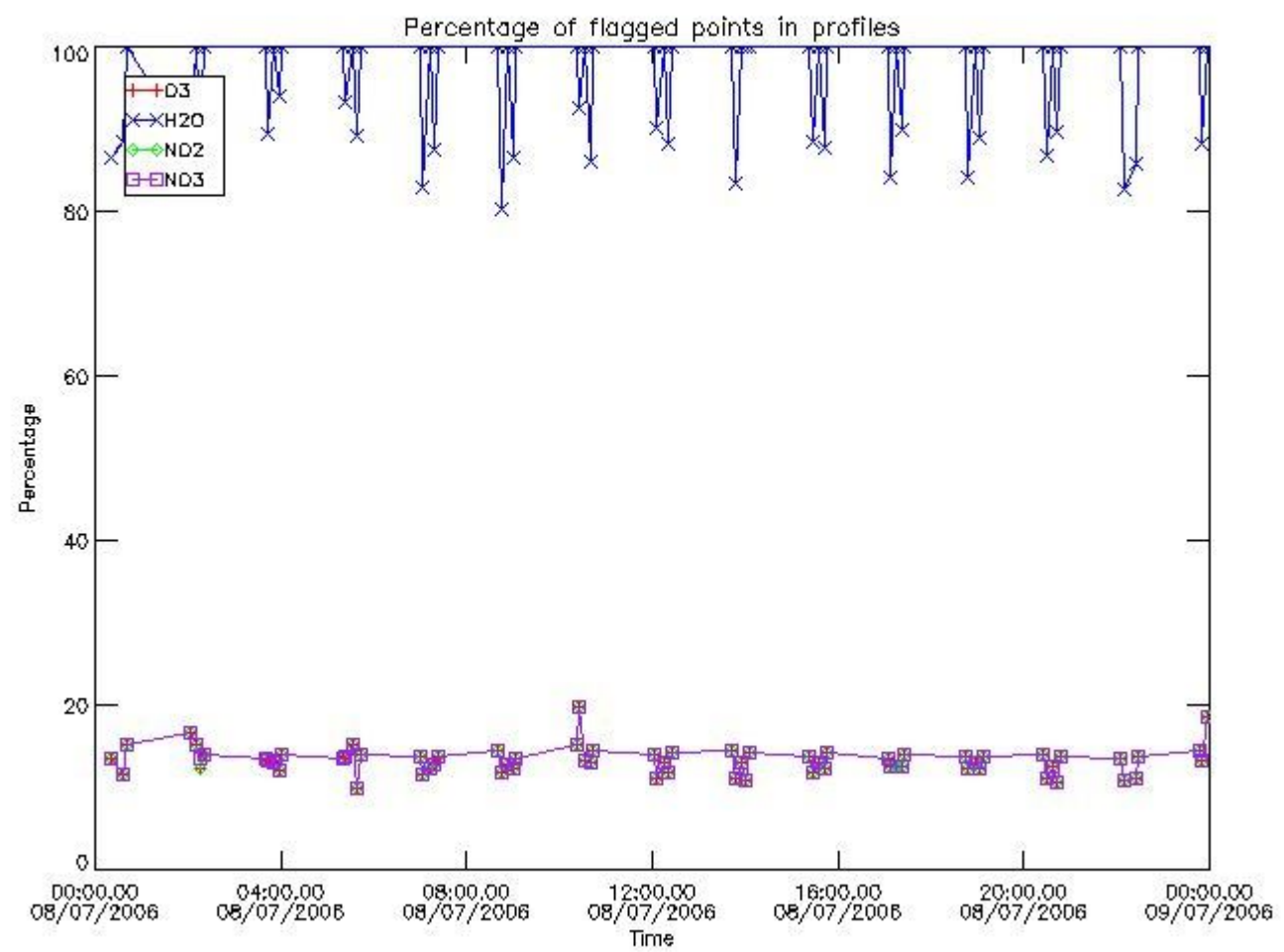
220	GOM_NL_2PRFIN20060708_193954_000000342049_00171_22770_9804.N1	08-JUL-2006 19:39:54	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	22770	No
221	GOM_NL_2PRFIN20060708_194230_000000342049_00171_22770_9805.N1	08-JUL-2006 19:42:30	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	22770	No
222	GOM_NL_2PRFIN20060708_194806_000000372049_00171_22770_9806.N1	08-JUL-2006 19:48:06	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	22770	No
223	GOM_NL_2PRFIN20060708_195049_000000522049_00171_22770_9807.N1	08-JUL-2006 19:50:49	Bright	52.000	119	14Eta Dra	2.7270	4700.0	104	22770	No
224	GOM_NL_2PRFIN20060708_195458_000000362049_00171_22770_9808.N1	08-JUL-2006 19:54:58	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	22770	No
225	GOM_NL_2PRFIN20060708_195853_000000362049_00171_22770_9809.N1	08-JUL-2006 19:58:53	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	22770	No
226	GOM_NL_2PRFIN20060708_202521_000000372049_00171_22770_9810.N1	08-JUL-2006 20:25:21	Dark	36.500	128	67Bet Eri	2.7840	9700.0	73	22770	No
227	GOM_NL_2PRFIN20060708_202845_000000462049_00171_22770_9811.N1	08-JUL-2006 20:28:45	Dark	46.000	165	34Gam Eri	2.9500	3200.0	92	22770	No
228	GOM_NL_2PRFIN20060708_203728_000000412049_00171_22770_9812.N1	08-JUL-2006 20:37:28	Dark	40.500	157	The1Eri	2.9060	9300.0	81	22770	No
229	GOM_NL_2PRFIN20060708_204339_000000532049_00172_22771_9794.N1	08-JUL-2006 20:43:39	Dark	53.000	9	Alp Eri	0.45300	24000.	106	22771	No
230	GOM_NL_2PRFIN20060708_204747_000000372049_00172_22771_9795.N1	08-JUL-2006 20:47:47	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22771	No
231	GOM_NL_2PRFIN20060708_205521_000000392049_00172_22771_9796.N1	08-JUL-2006 20:55:21	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	22771	No
232	GOM_NL_2PRFIN20060708_210007_000000382049_00172_22771_9797.N1	08-JUL-2006 21:00:07	Twi_and_stray	37.500	147	Alp Ara	2.8770	26000.	75	22771	No
233	GOM_NL_2PRFIN20060708_210157_000000432049_00172_22771_9798.N1	08-JUL-2006 21:01:57	Twi_and_stray	43.000	40	The Sco	1.8590	7100.0	86	22771	No
234	GOM_NL_2PRFIN20060708_210336_000000392049_00172_22771_9799.N1	08-JUL-2006 21:03:36	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	22771	No
235	GOM_NL_2PRFIN20060708_210504_000000472049_00172_22771_9800.N1	08-JUL-2006 21:05:04	Bright	46.500	116	19Del Sgr	2.7000	4100.0	93	22771	No
236	GOM_NL_2PRFIN20060708_210945_000000372049_00172_22771_9801.N1	08-JUL-2006 21:09:45	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	22771	No
237	GOM_NL_2PRFIN20060708_211509_000000352049_00172_22771_9802.N1	08-JUL-2006 21:15:09	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	22771	No
238	GOM_NL_2PRFIN20060708_211727_000000362049_00172_22771_9803.N1	08-JUL-2006 21:17:27	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	22771	No
239	GOM_NL_2PRFIN20060708_212030_000000352049_00172_22771_9804.N1	08-JUL-2006 21:20:30	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	22771	No
240	GOM_NL_2PRFIN20060708_212307_000000362049_00172_22771_9805.N1	08-JUL-2006 21:23:07	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	22771	No
241	GOM_NL_2PRFIN20060708_212842_000000332049_00172_22771_9806.N1	08-JUL-2006 21:28:42	Bright	33.000	130	23Bet Dra	2.7990	5800.0	66	22771	No
242	GOM_NL_2PRFIN20060708_213126_000000362049_00172_22771_9807.N1	08-JUL-2006 21:31:26	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22771	No
243	GOM_NL_2PRFIN20060708_213534_000000332049_00172_22771_9808.N1	08-JUL-2006 21:35:34	Bright	33.000	60	7Bet UMI	2.0810	3950.0	66	22771	No
244	GOM_NL_2PRFIN20060708_213929_000000362049_00172_22771_9809.N1	08-JUL-2006 21:39:29	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	22771	No
245	GOM_NL_2PRFIN20060708_220557_000000382049_00172_22771_9810.N1	08-JUL-2006 22:05:57	Dark	38.000	128	67Bet Eri	2.7840	9700.0	76	22771	No
246	GOM_NL_2PRFIN20060708_220922_000000472049_00172_22771_9811.N1	08-JUL-2006 22:09:22	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	22771	No
247	GOM_NL_2PRFIN20060708_222415_000000502049_00173_22772_9794.N1	08-JUL-2006 22:24:15	Dark	50.000	9	Alp Eri	0.45300	24000.	100	22772	No
248	GOM_NL_2PRFIN20060708_222823_000000372049_00173_22772_9795.N1	08-JUL-2006 22:28:23	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	22772	No
249	GOM_NL_2PRFIN20060708_223557_000000402049_00173_22772_9796.N1	08-JUL-2006 22:35:57	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	22772	No
250	GOM_NL_2PRFIN20060708_224042_000000382049_00173_22772_9797.N1	08-JUL-2006 22:40:42	Twi_and_stray	38.000	147	Alp Ara	2.8770	26000.	76	22772	No
251	GOM_NL_2PRFIN20060708_224233_000000402049_00173_22772_9798.N1	08-JUL-2006 22:42:33	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	22772	No
252	GOM_NL_2PRFIN20060708_224412_000000382049_00173_22772_9799.N1	08-JUL-2006 22:44:12	Twi_and_stray	38.000	25	35Lam Sco	1.6200	28000.	76	22772	No
253	GOM_NL_2PRFIN20060708_224540_000000422049_00173_22772_9800.N1	08-JUL-2006 22:45:40	Bright	42.000	116	19Del Sgr	2.7000	4100.0	84	22772	No
254	GOM_NL_2PRFIN20060708_225021_000000362049_00173_22772_9801.N1	08-JUL-2006 22:50:21	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	22772	No
255	GOM_NL_2PRFIN20060708_225545_000000362049_00173_22772_9802.N1	08-JUL-2006 22:55:45	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	22772	No
256	GOM_NL_2PRFIN20060708_225803_000000352049_00173_22772_9803.N1	08-JUL-2006 22:58:03	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	22772	No
257	GOM_NL_2PRFIN20060708_230106_000000382049_00173_22772_9804.N1	08-JUL-2006 23:01:06	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	22772	No
258	GOM_NL_2PRFIN20060708_230343_000000352049_00173_22772_9805.N1	08-JUL-2006 23:03:43	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	22772	No
259	GOM_NL_2PRFIN20060708_230918_000000342049_00173_22772_9806.N1	08-JUL-2006 23:09:18	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	22772	No
260	GOM_NL_2PRFIN20060708_231202_000000362049_00173_22772_9807.N1	08-JUL-2006 23:12:02	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	22772	No
261	GOM_NL_2PRFIN20060708_231610_000000352049_00173_22772_9808.N1	08-JUL-2006 23:16:10	Bright	34.500	60	7Bet UMI	2.0810	3950.0	69	22772	No
262	GOM_NL_2PRFIN20060708_232005_000000332049_00173_22772_9809.N1	08-JUL-2006 23:20:05	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	22772	No
263	GOM_NL_2PRFIN20060708_234633_000000392049_00173_22772_9810.N1	08-JUL-2006 23:46:33	Dark	38.500	128	67Bet Eri	2.7840	9700.0	77	22772	No
264	GOM_NL_2PRFIN20060708_234958_000000382049_00173_22772_9811.N1	08-JUL-2006 23:49:58	Dark	38.000	165	34Gam Eri	2.9500	3200.0	76	22772	No
265	GOM_NL_2PRFIN20060708_235840_000000442049_00173_22772_9812.N1	08-JUL-2006 23:58:40	Dark	44.000	157	The1Eri	2.9060	9300.0	88	22772	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.

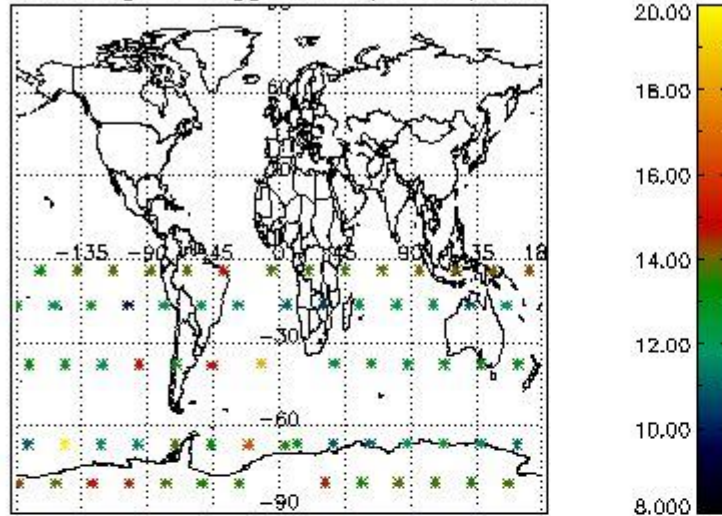
#### 3.1 Plot quality information per product (time dependant)



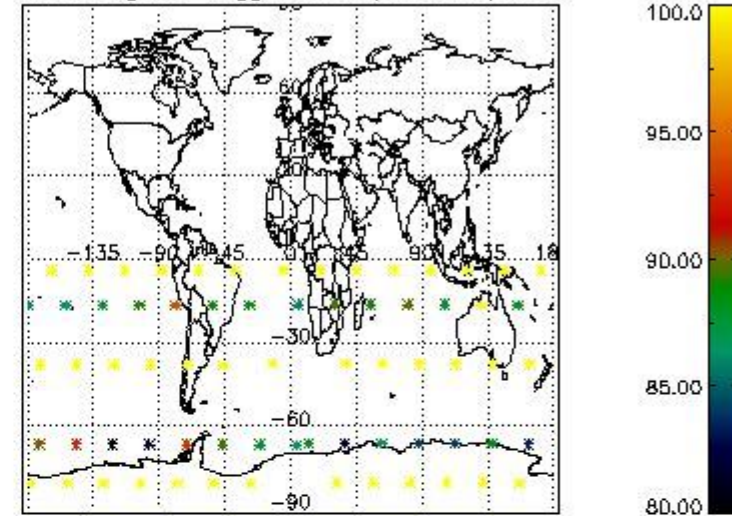


*3.2 Plot quality information per product (world map)*

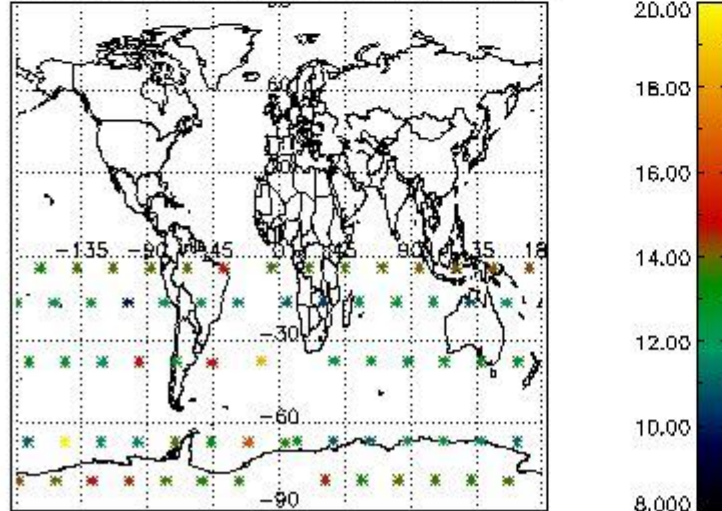
Percentage of flagged data per O3 profile



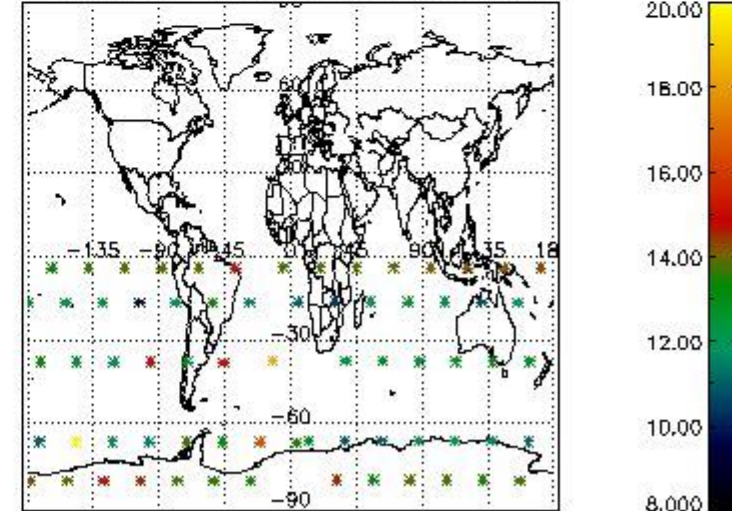
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

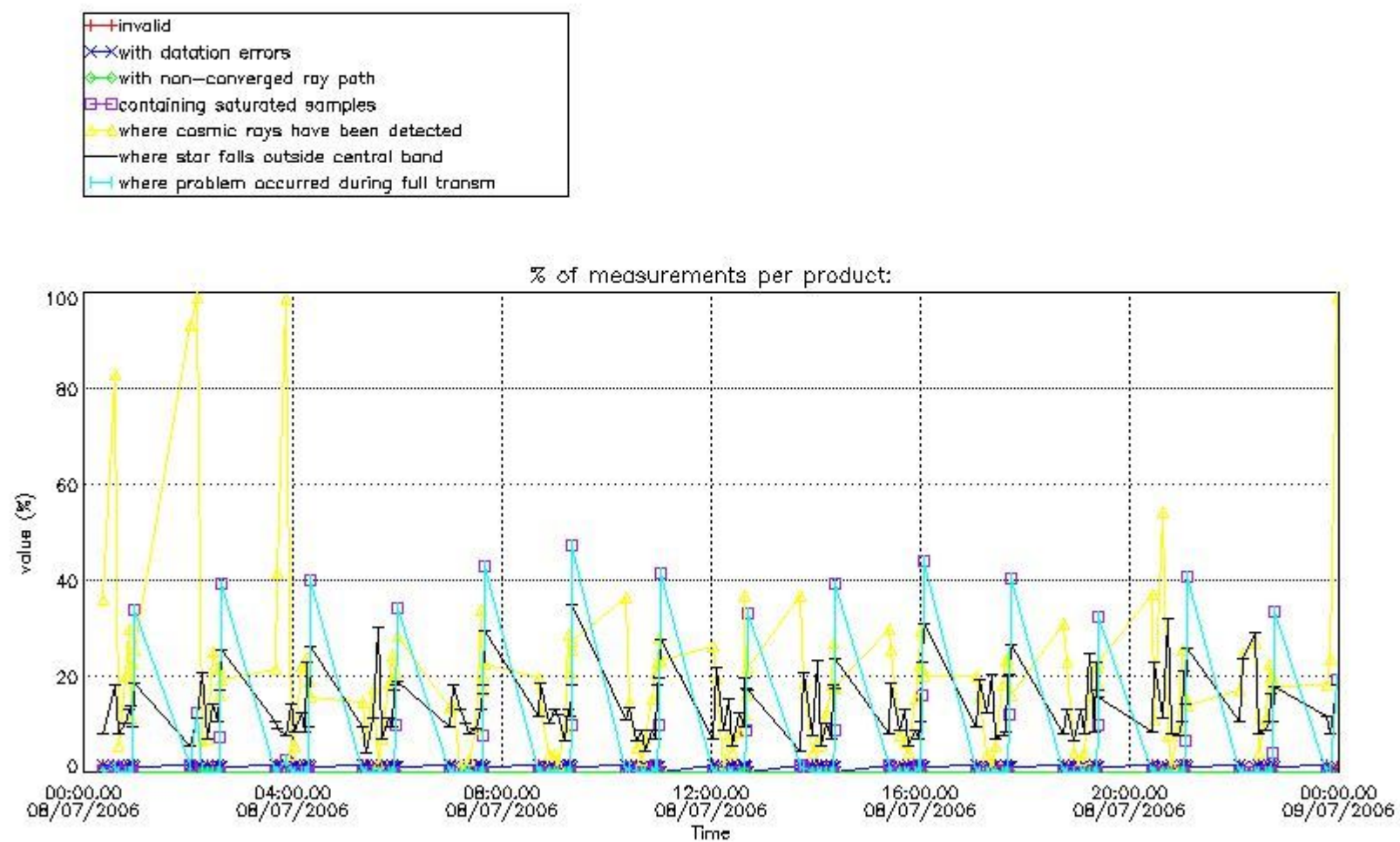


#### 4. Level 1 quality information per product

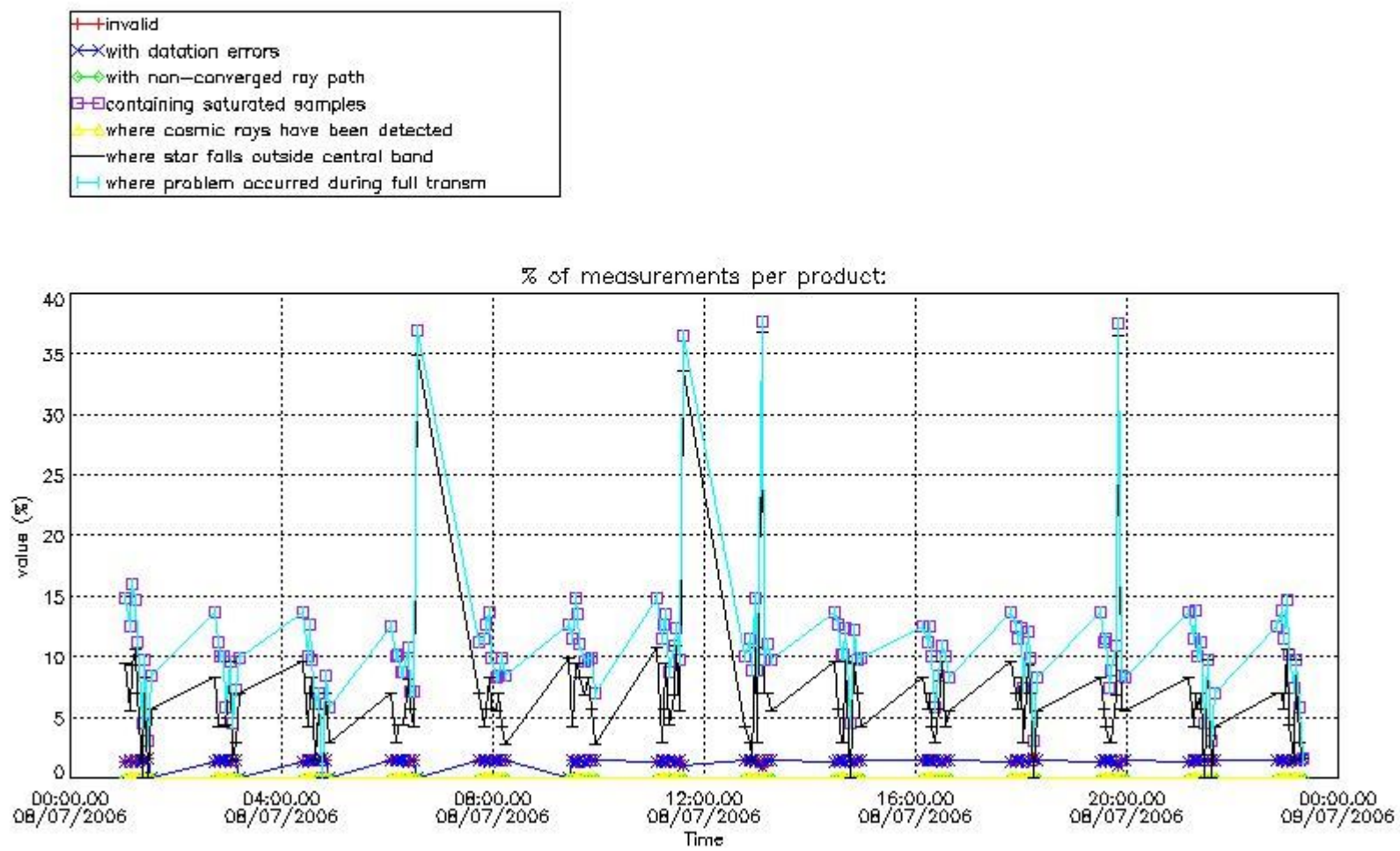
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



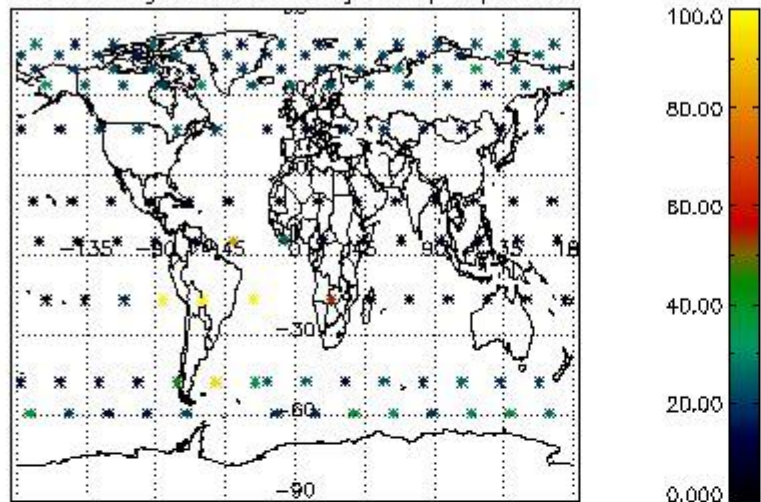
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



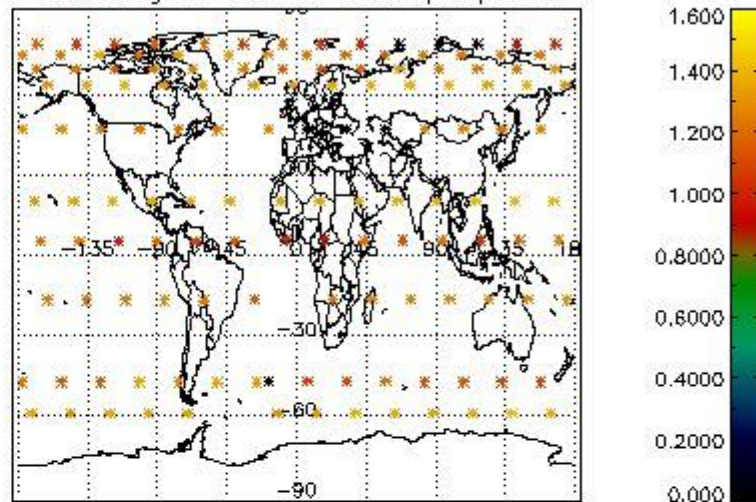
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

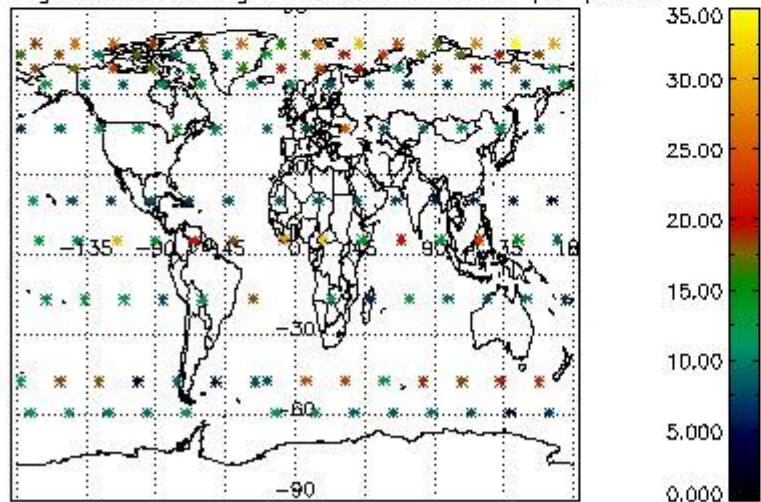
Percentage of cosmic ray hits per profile



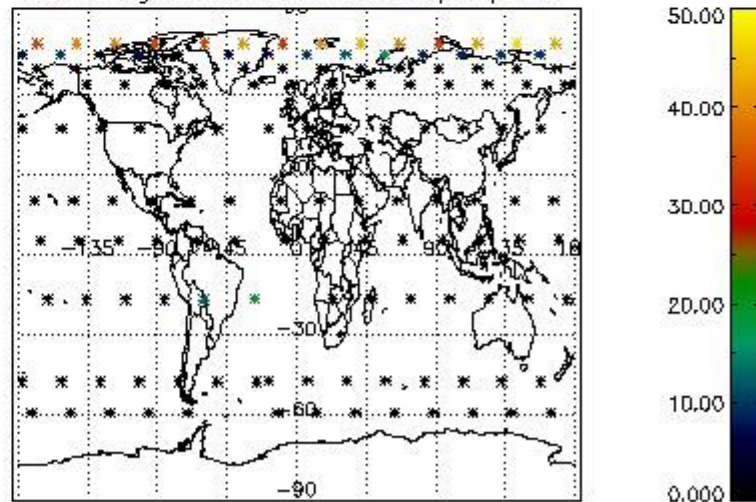
Percentage of datation errors per profile



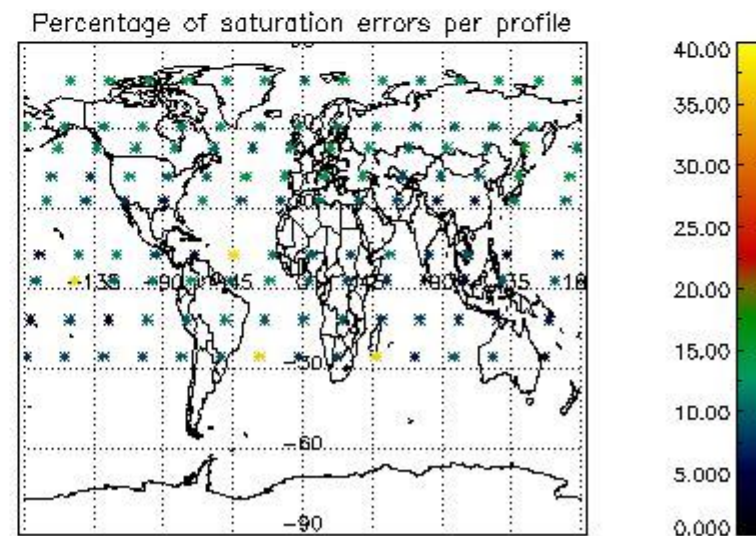
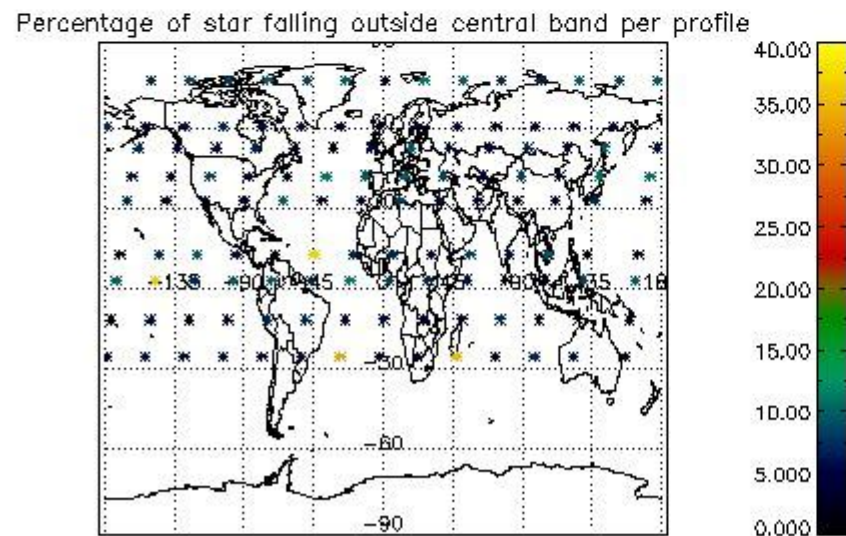
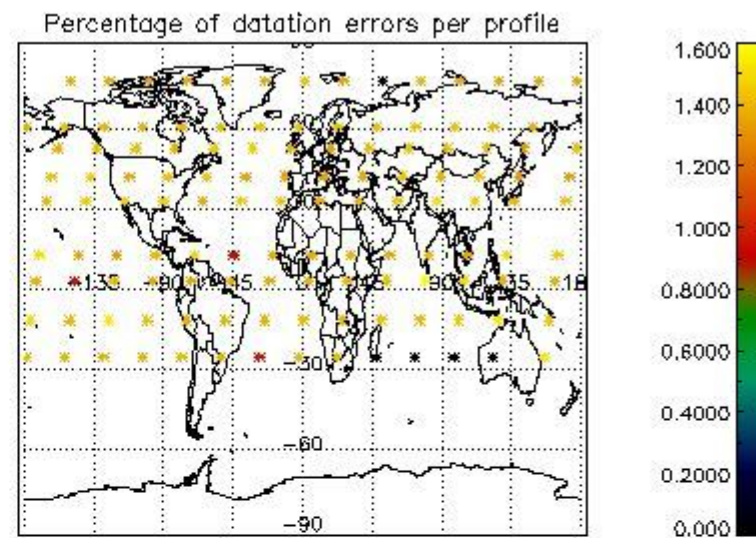
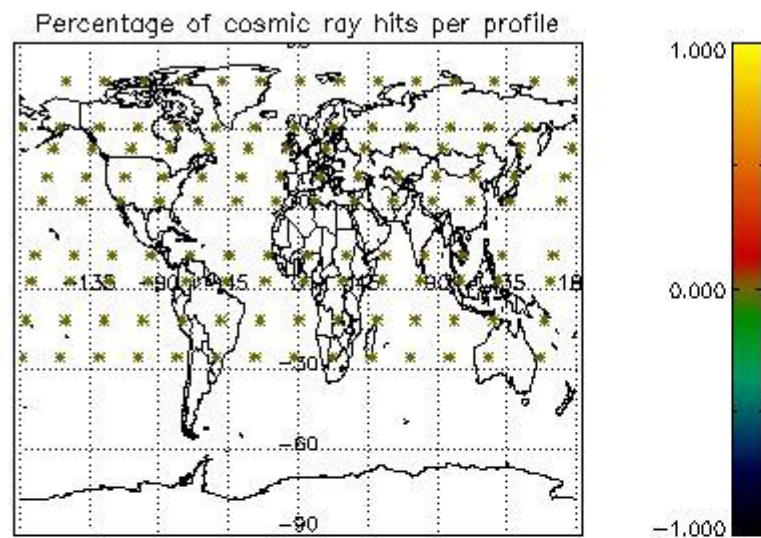
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 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

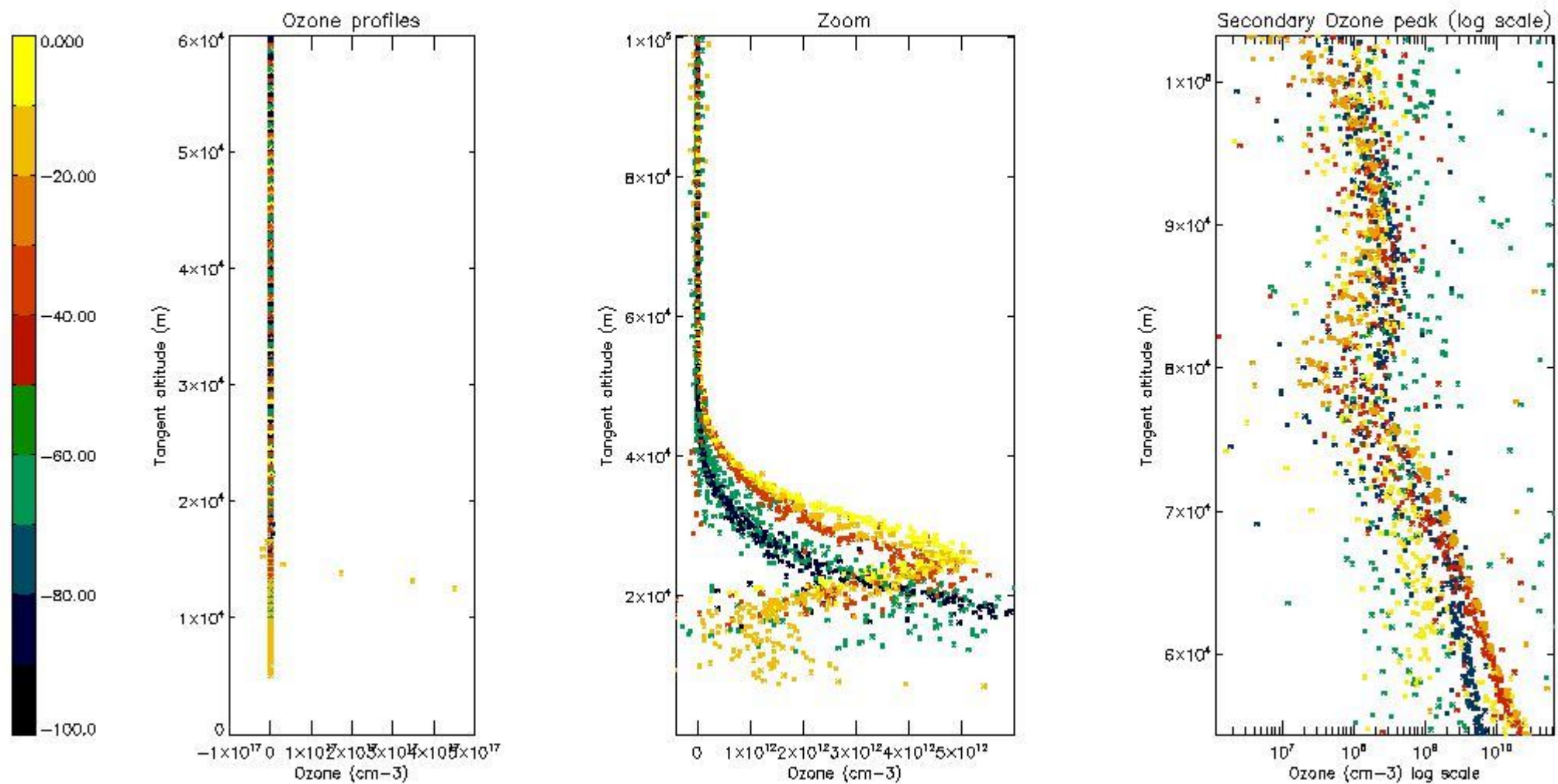
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	12

STD < 10	8
STD < 5	3

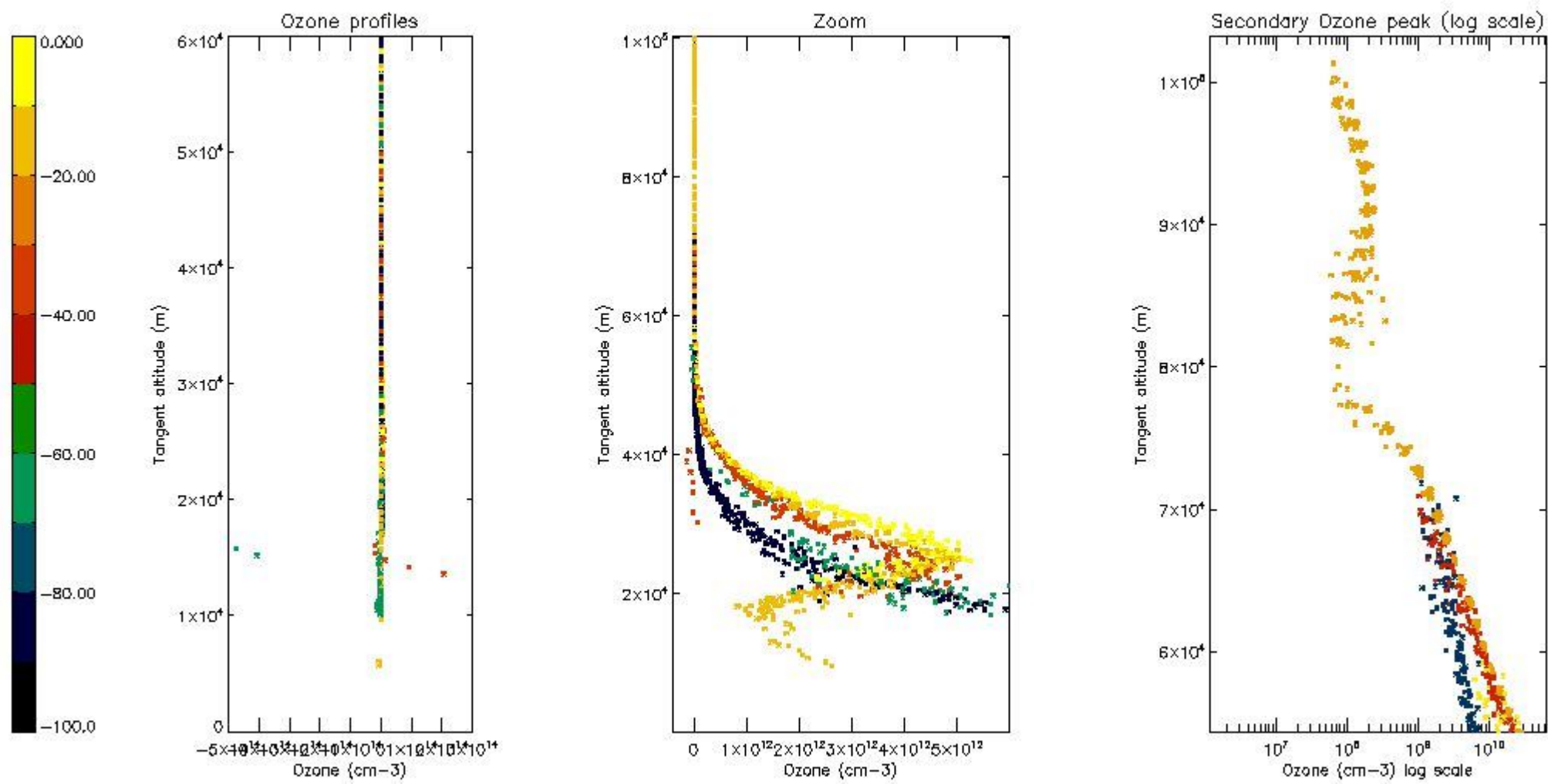
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

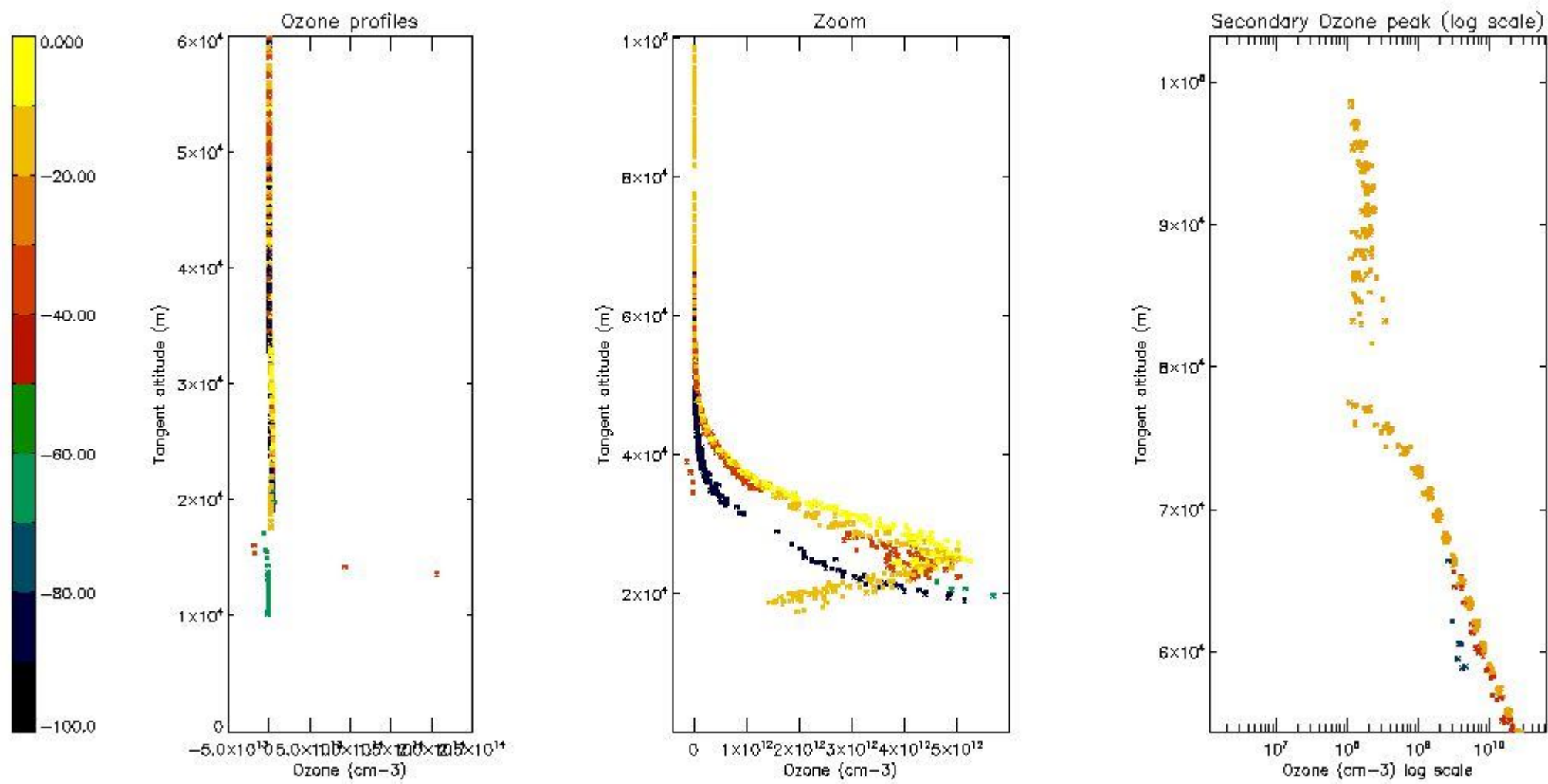
The colorbar represents the latitude.



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

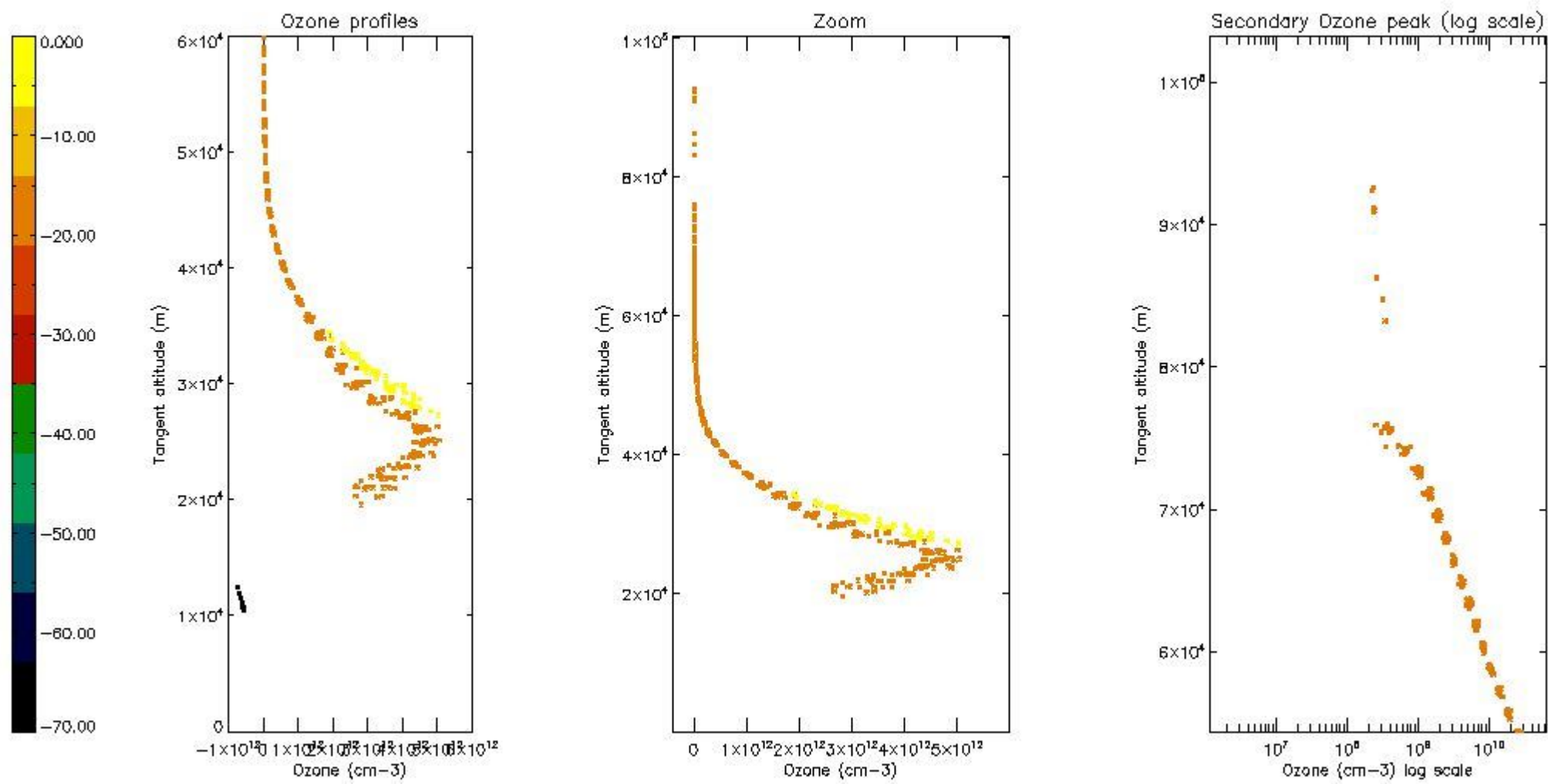
The colorbar represents the latitude.





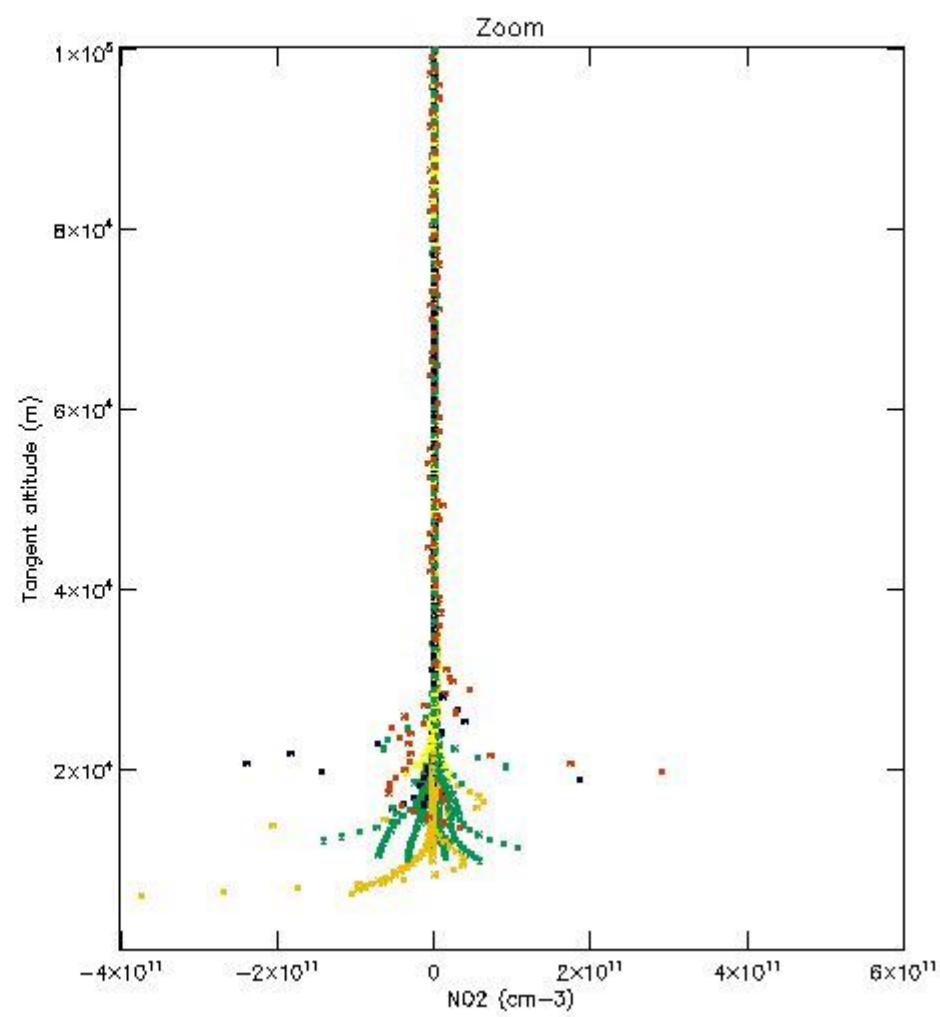
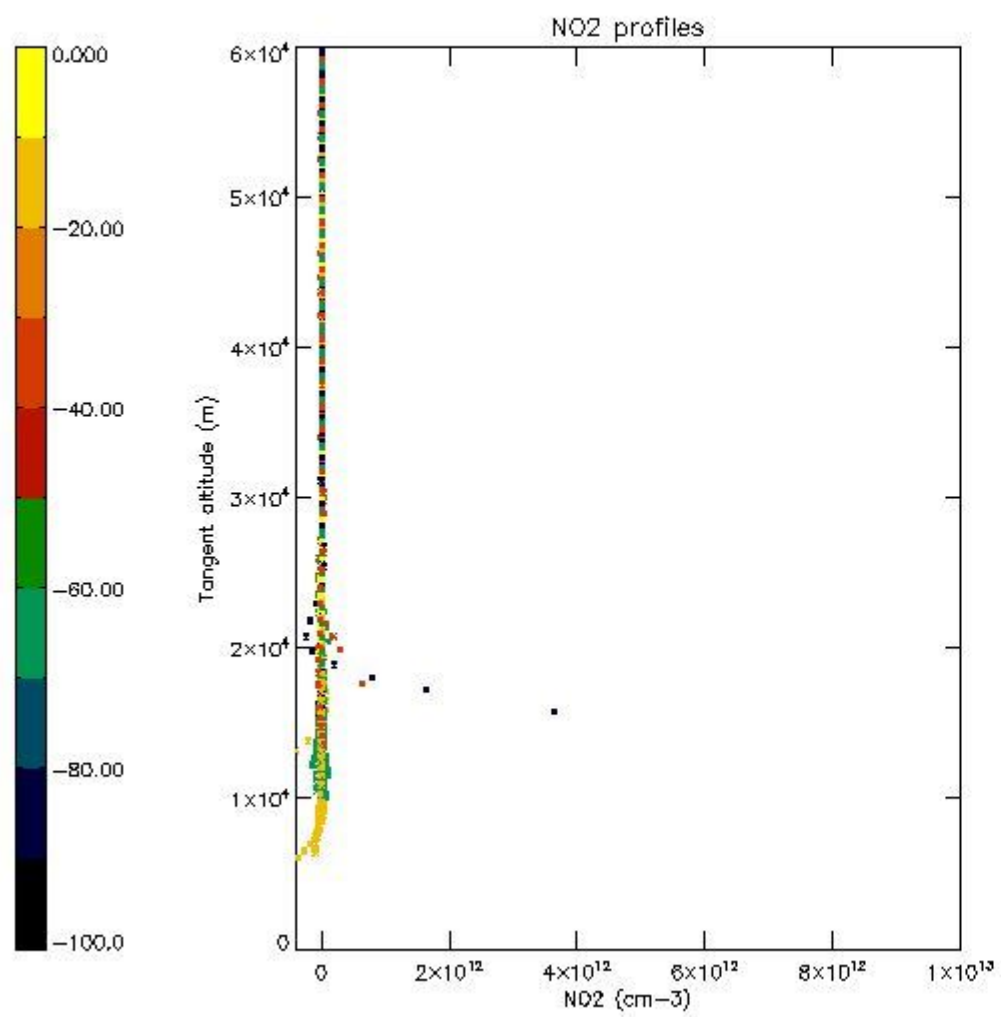
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



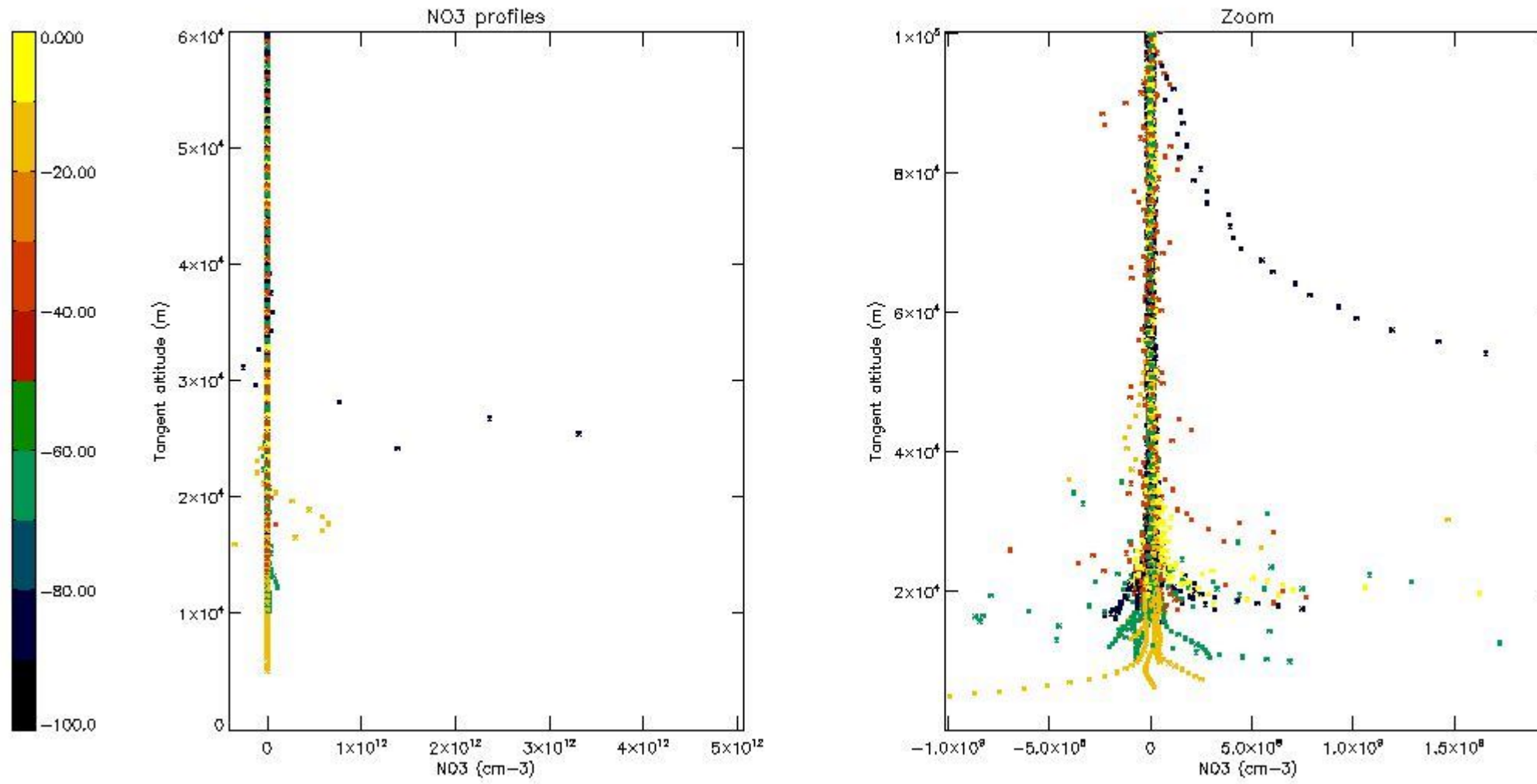
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

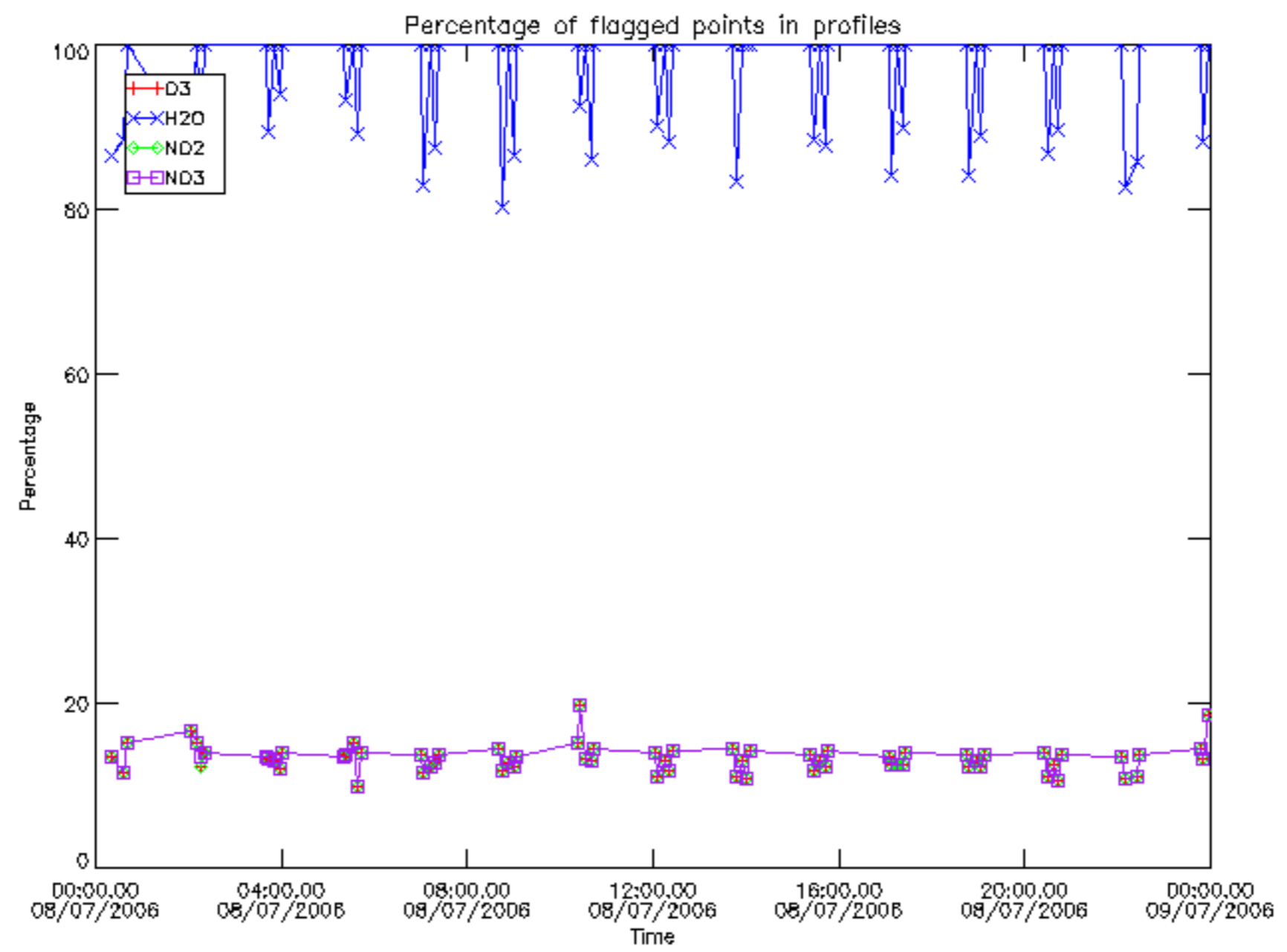
The colorbar represents the latitude.



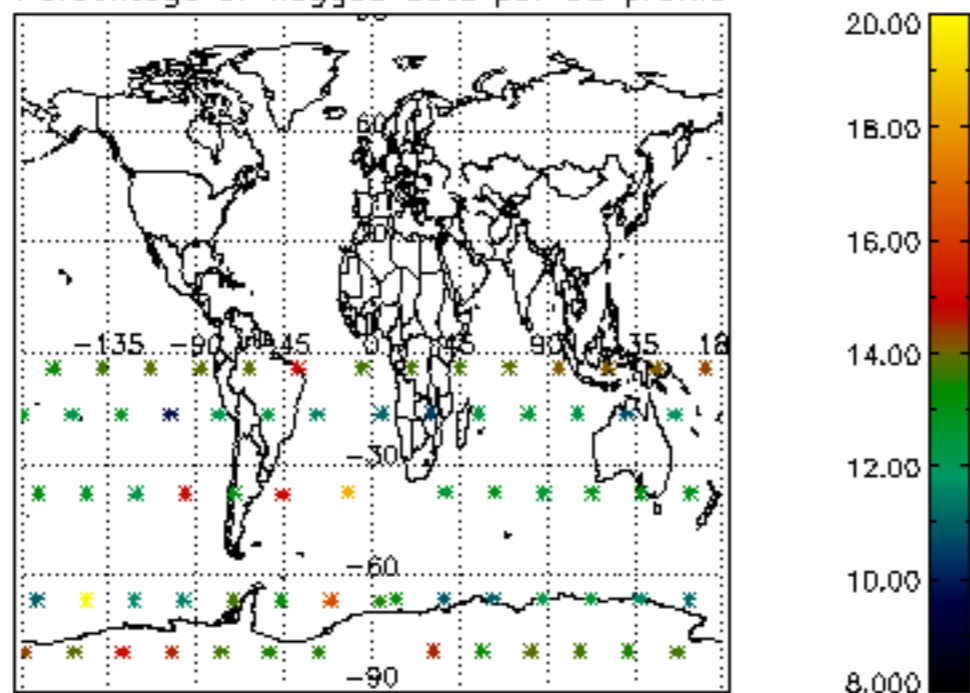
## 6. Auxiliary Data Files used for the production reported in section 2

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.

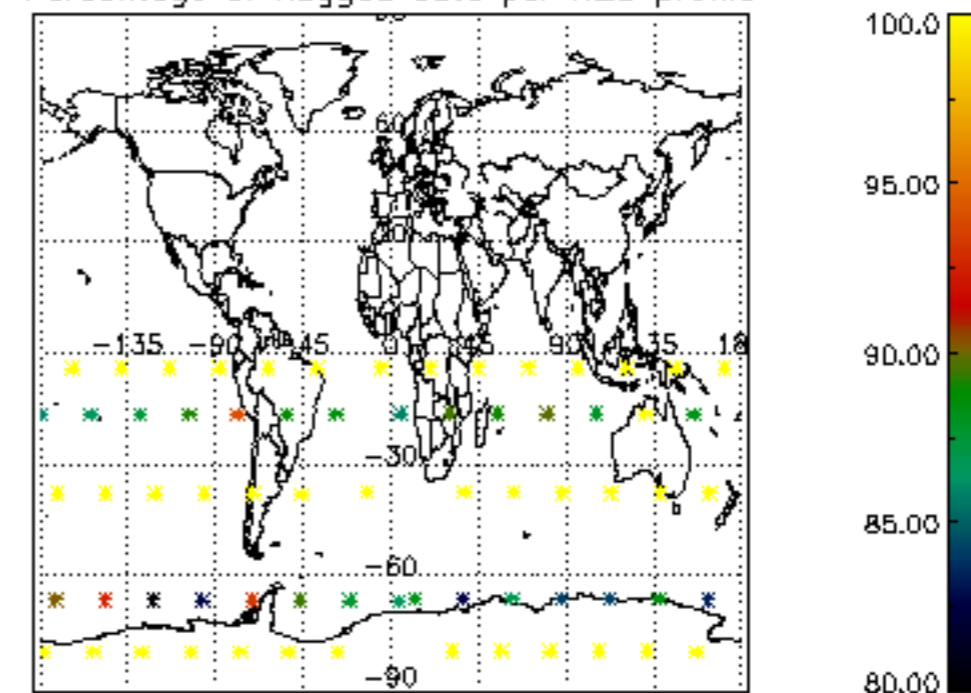
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-JUL-2006 00:21:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-JUL-2006 00:21:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-JUL-2006 00:21:29



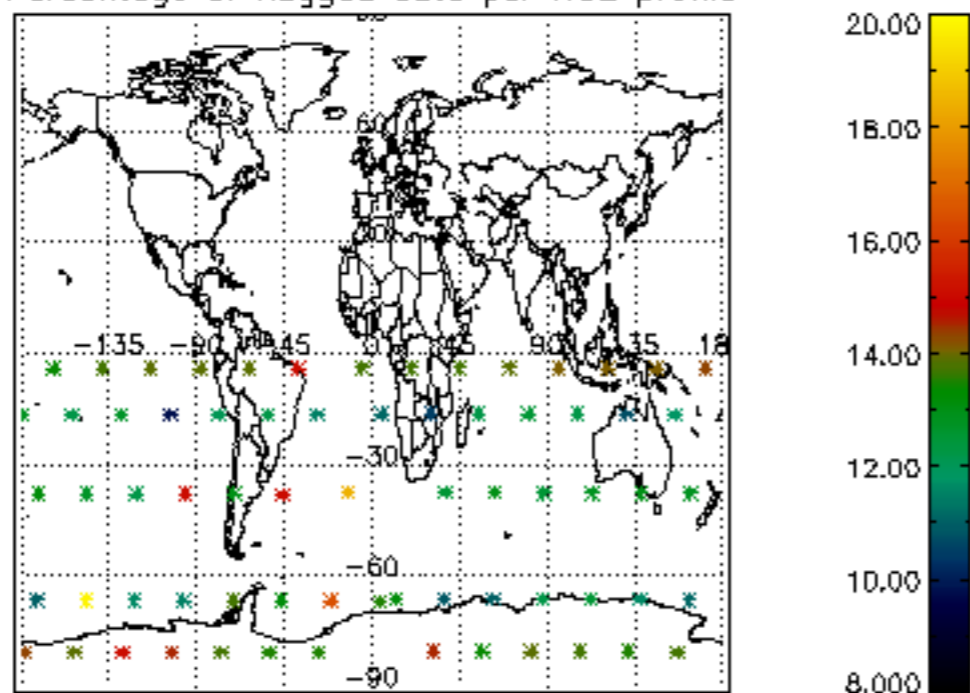
Percentage of flagged data per D3 profile



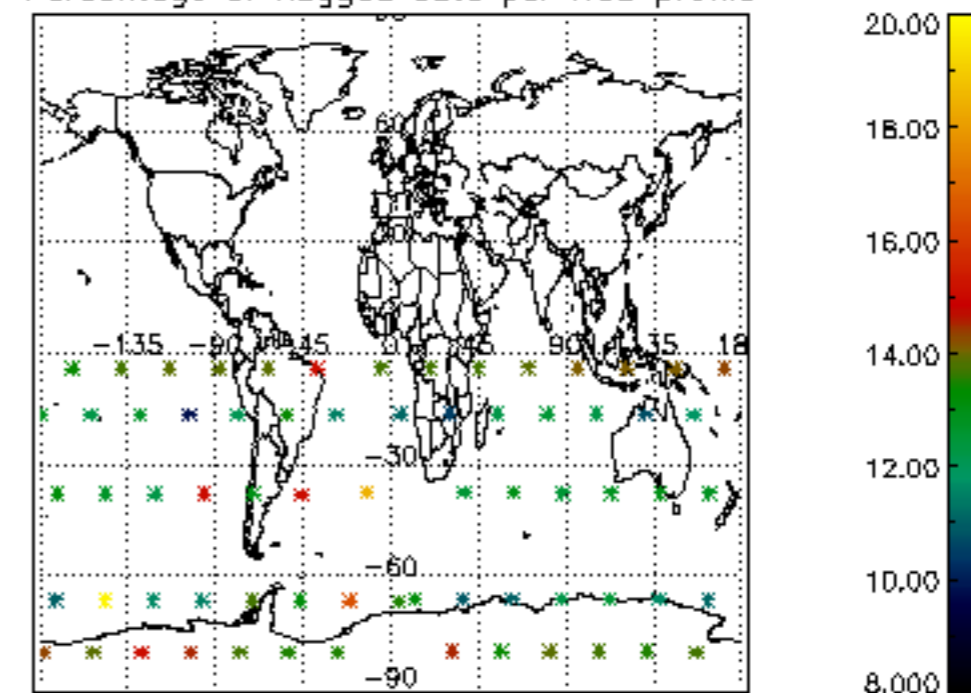
Percentage of flagged data per H2O profile

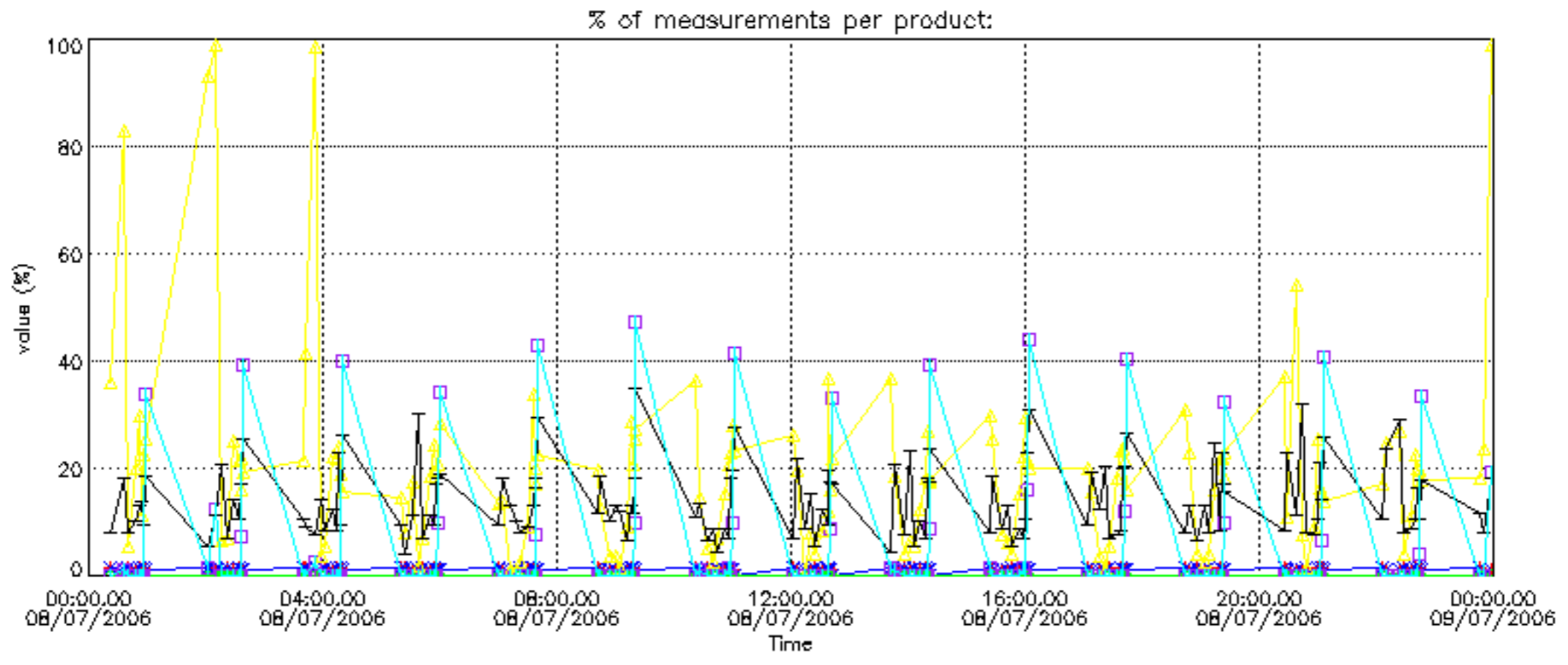


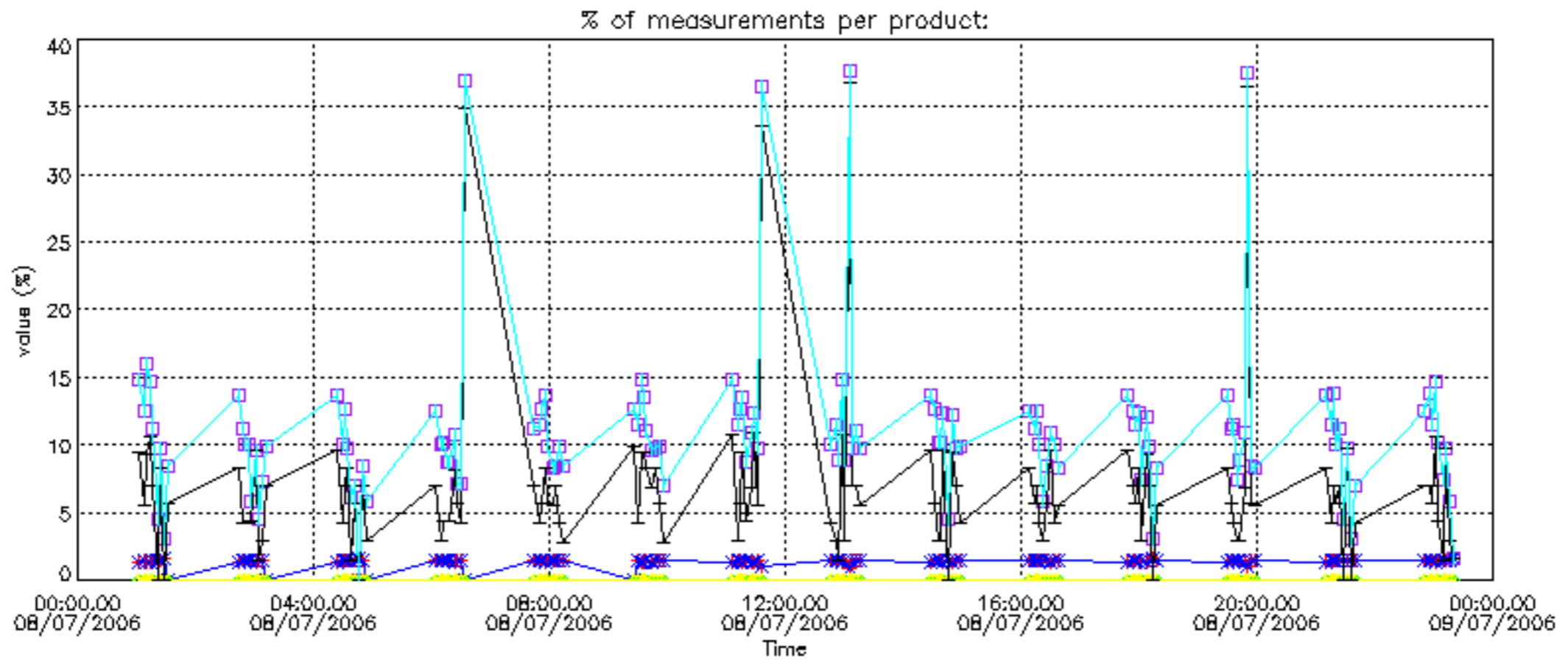
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

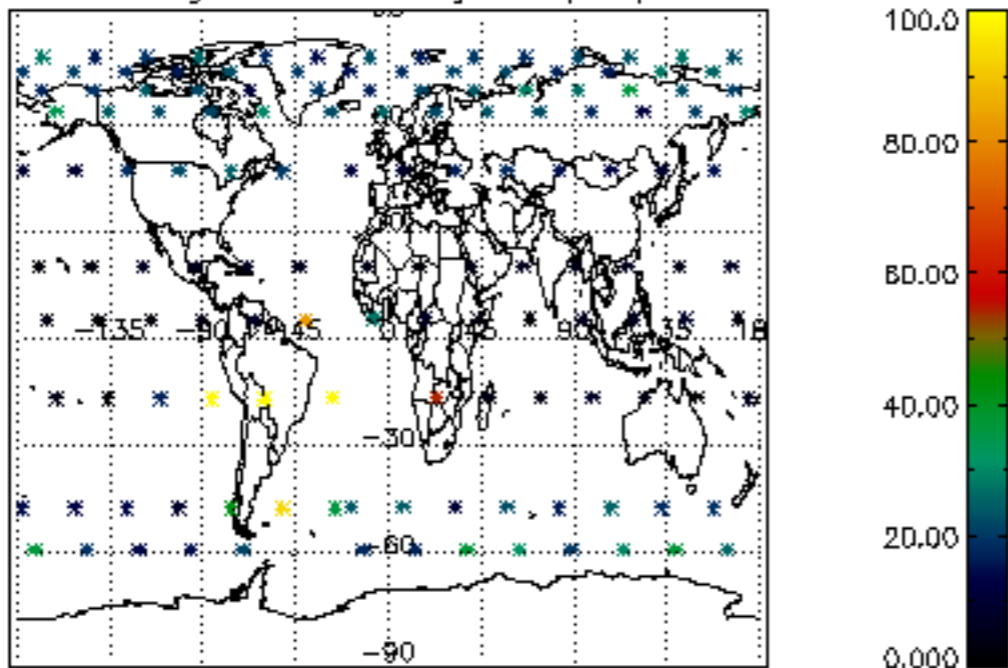




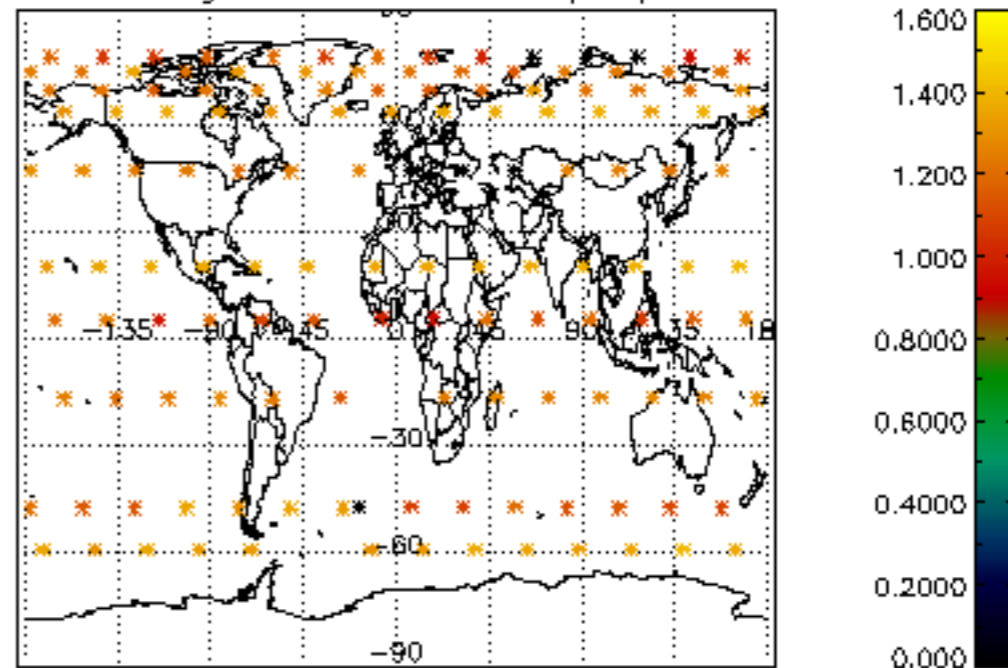




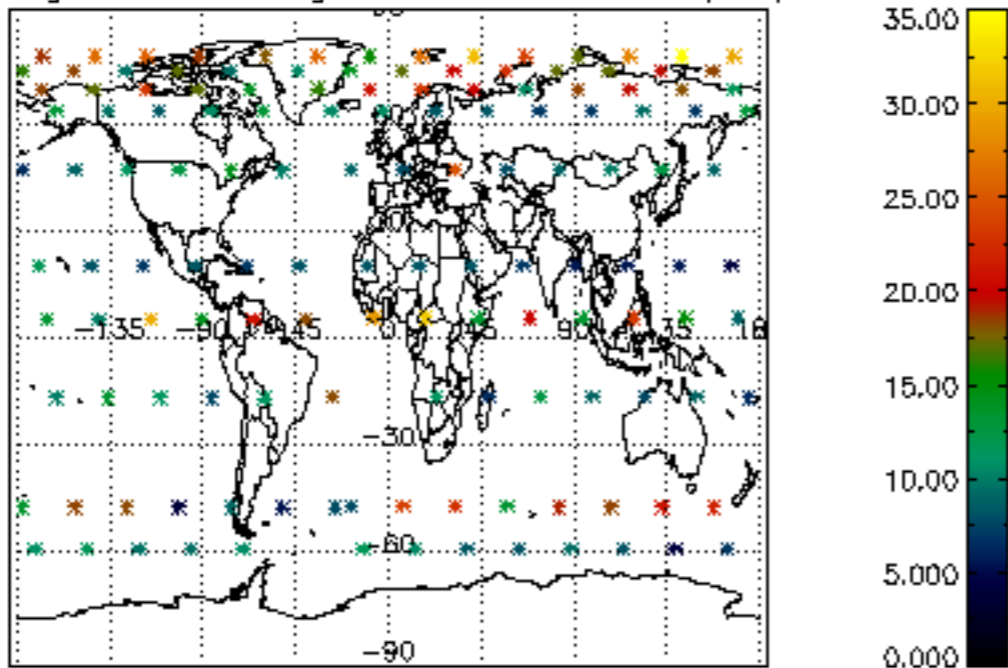
Percentage of cosmic ray hits per profile



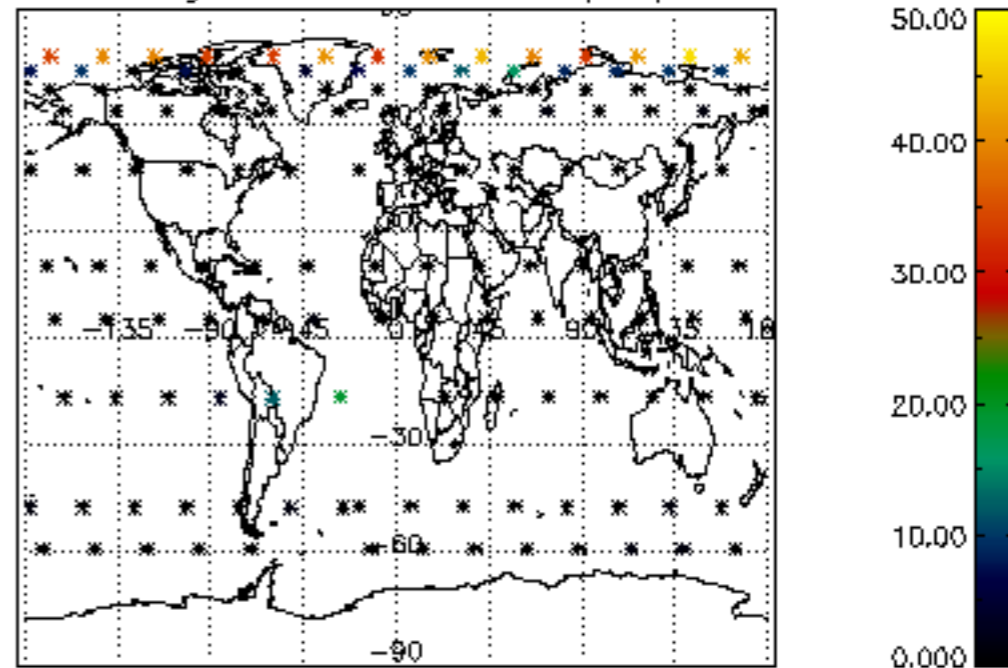
Percentage of datation errors per profile



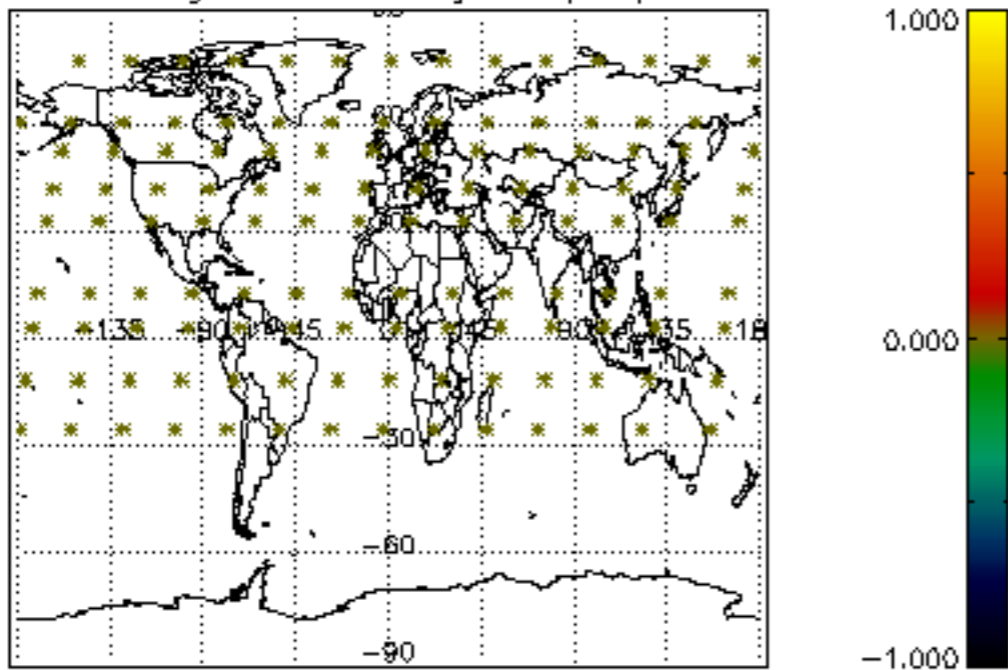
Percentage of star falling outside central band per profile



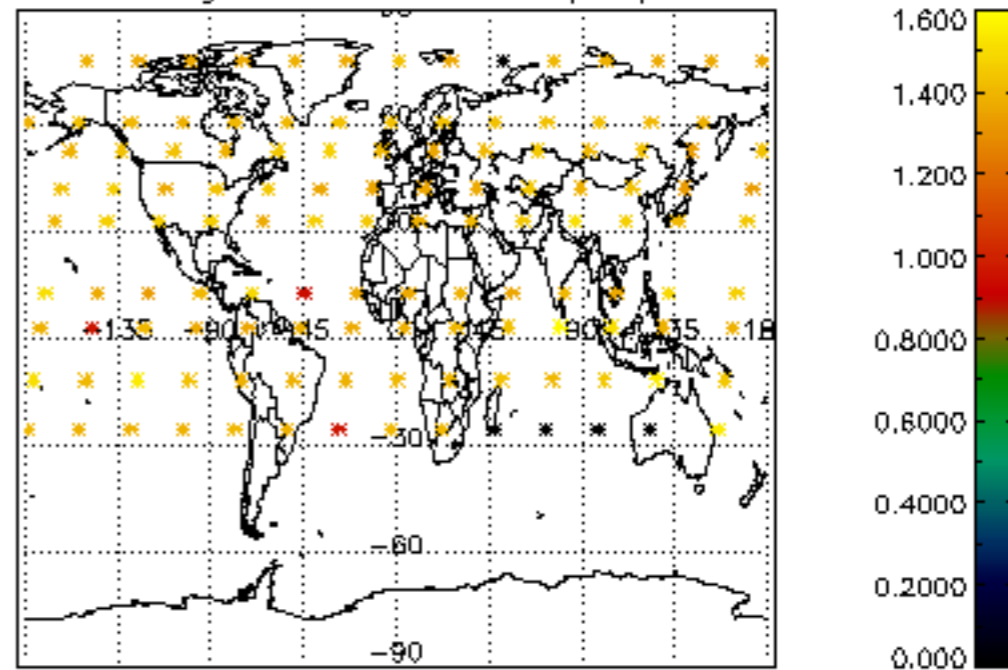
Percentage of saturation errors per profile



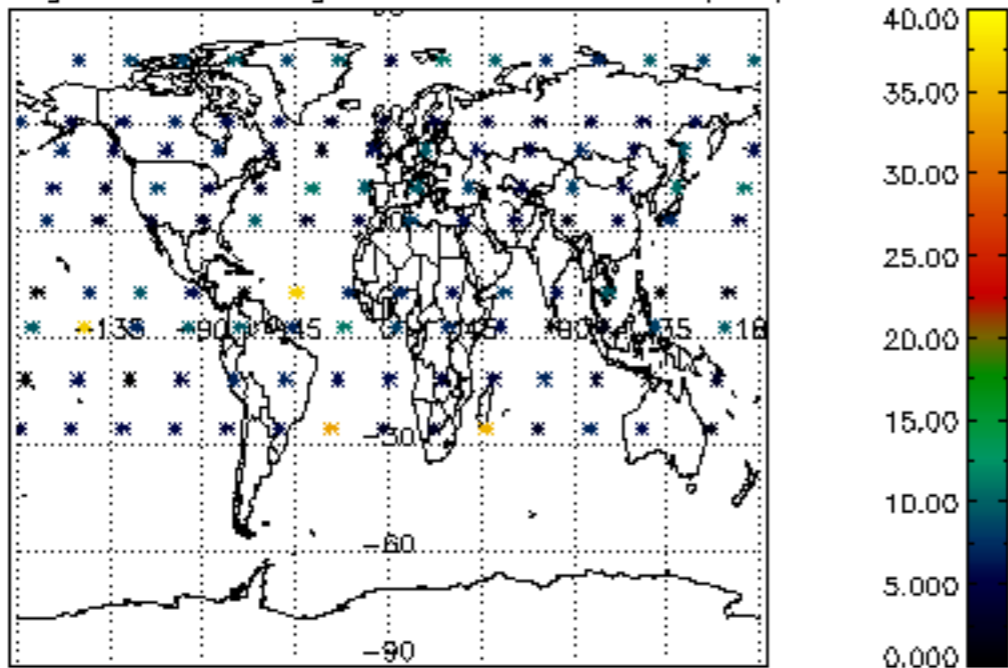
Percentage of cosmic ray hits per profile



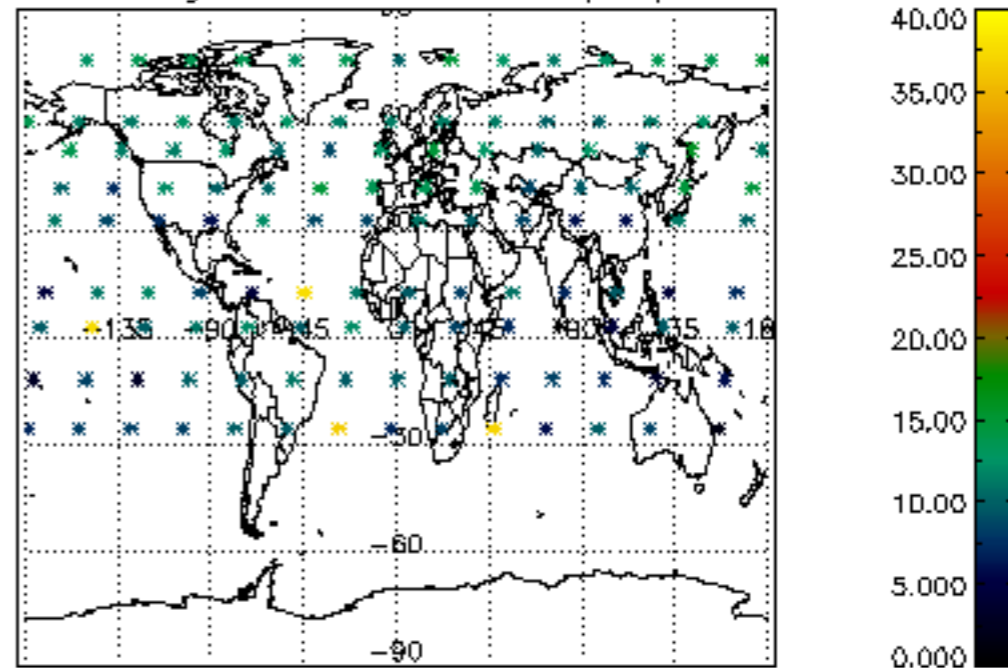
Percentage of datation errors per profile

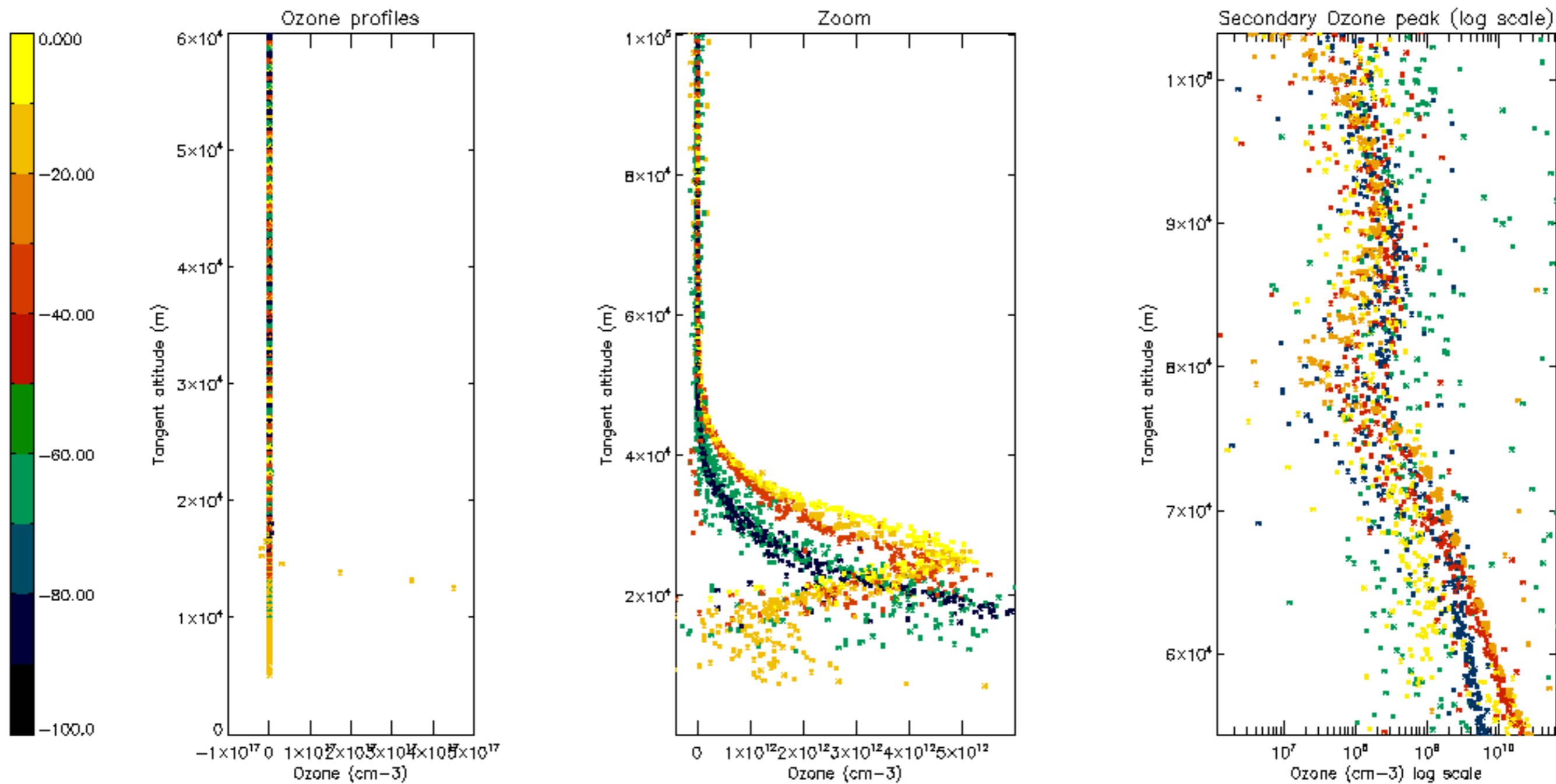


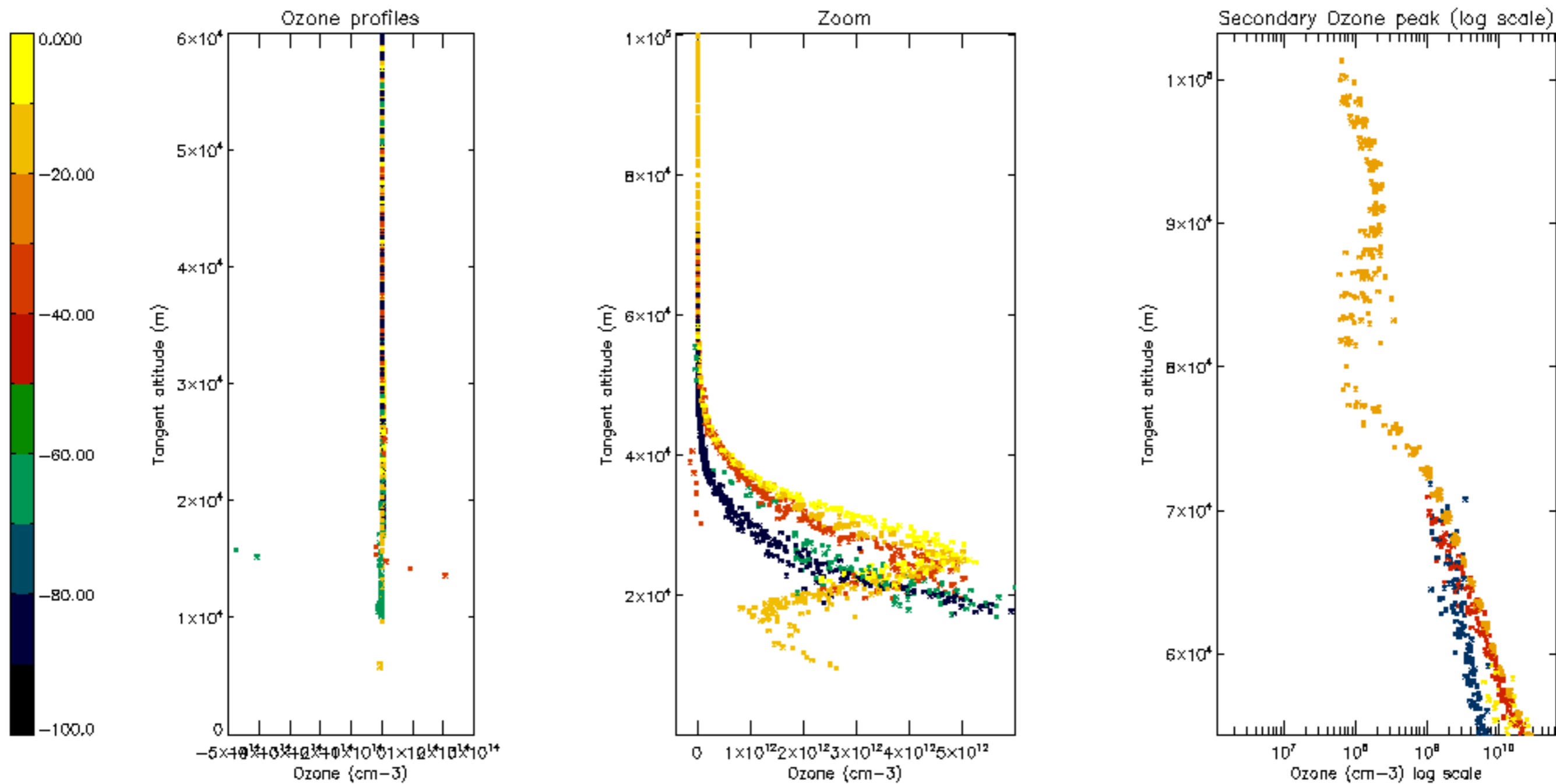
Percentage of star falling outside central band per profile

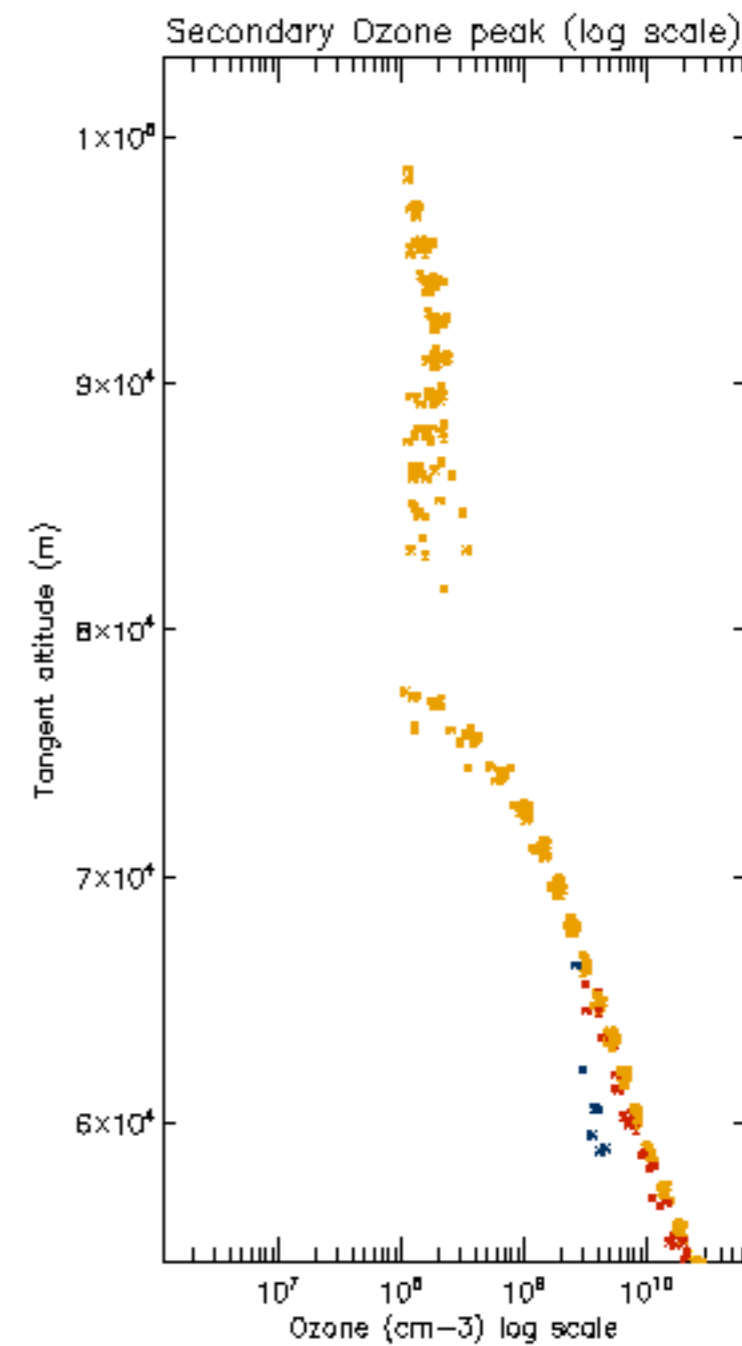
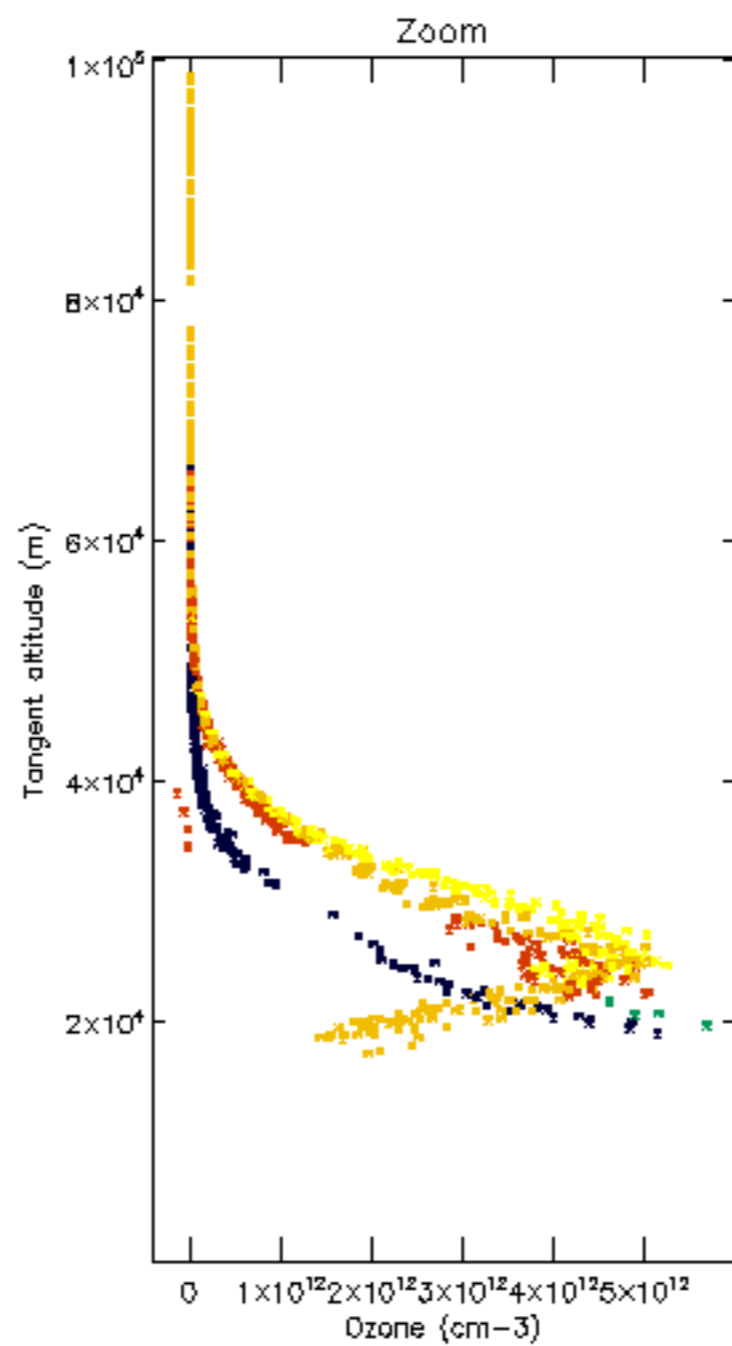
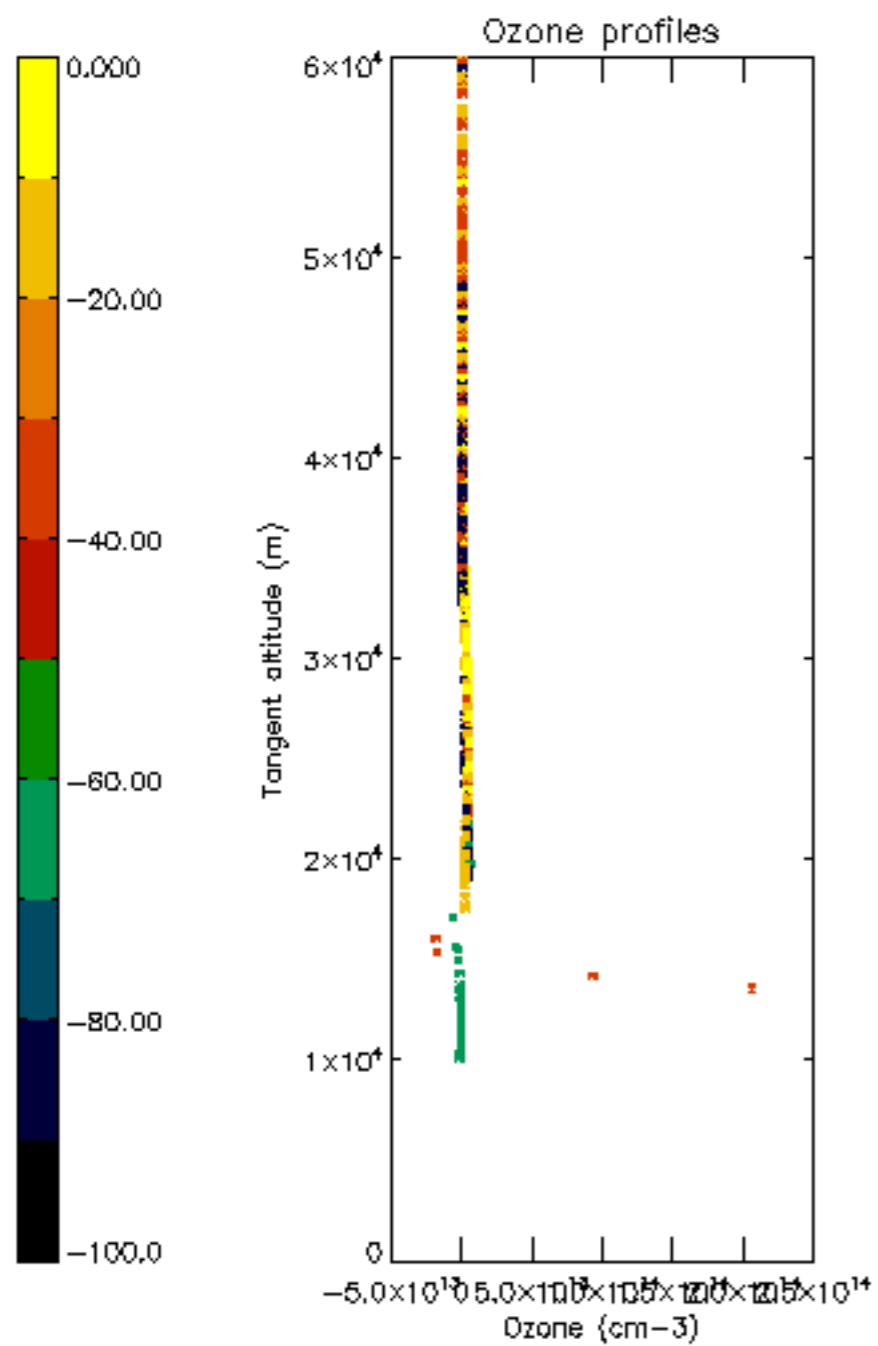


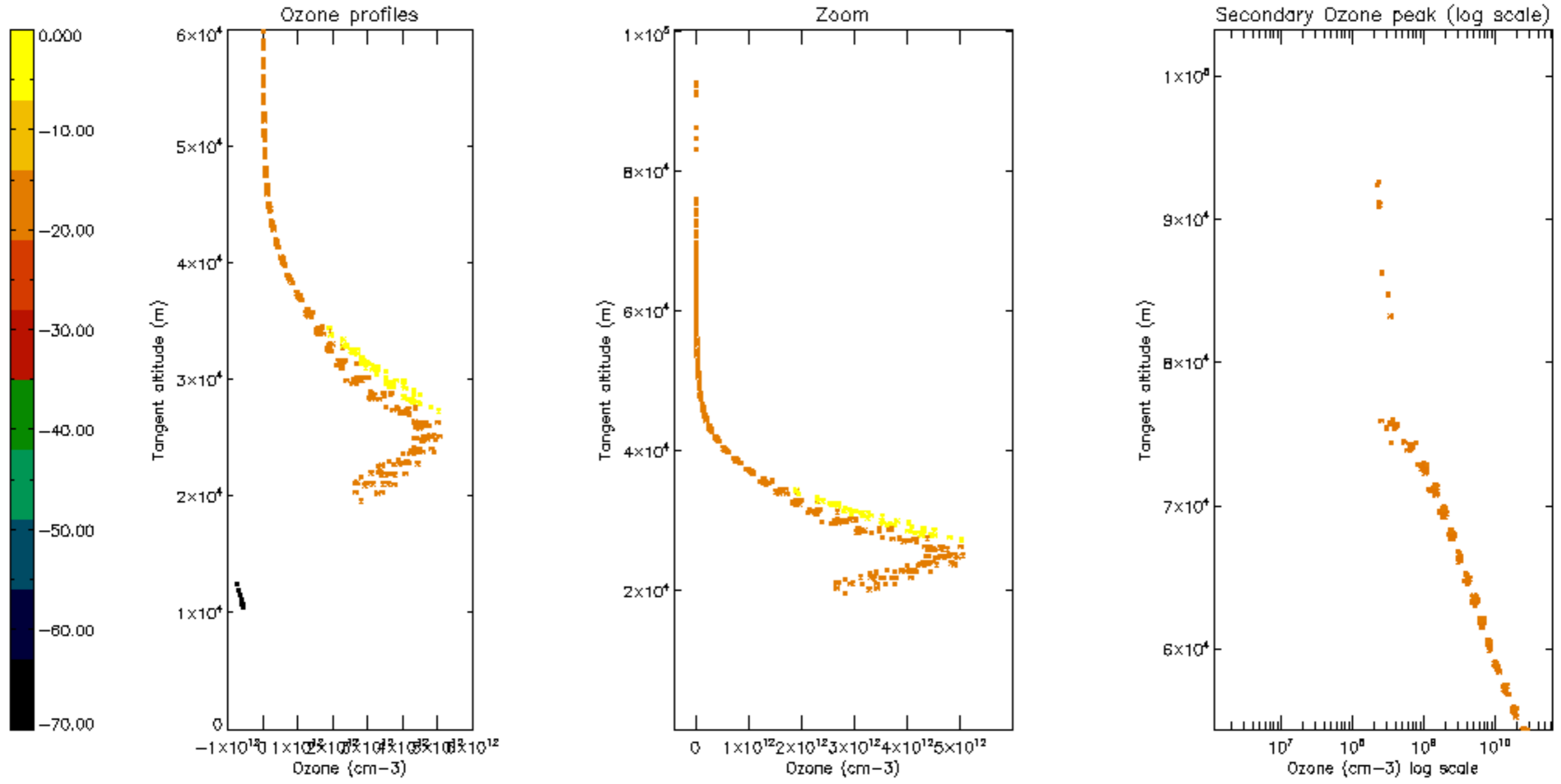
Percentage of saturation errors per profile

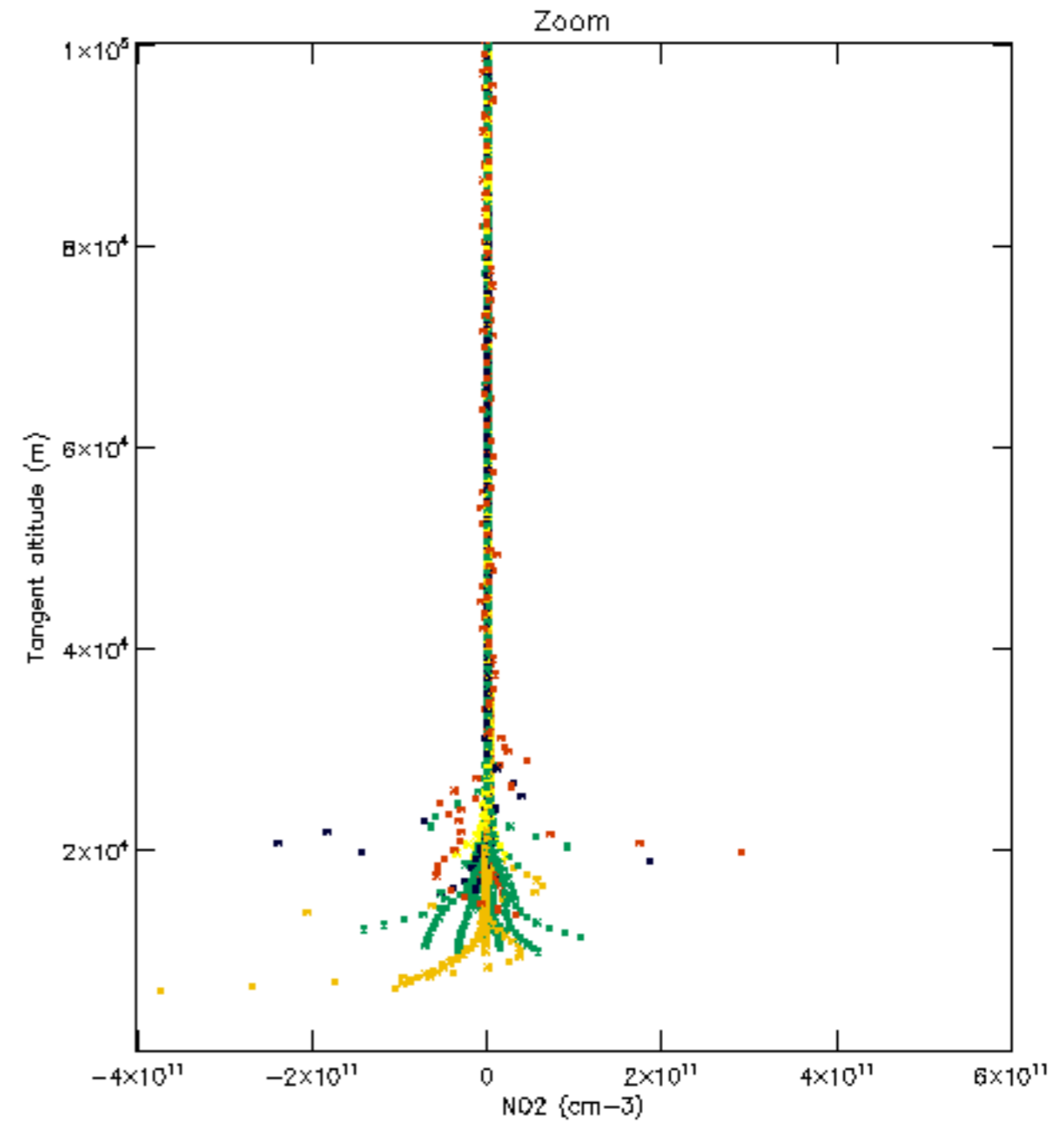
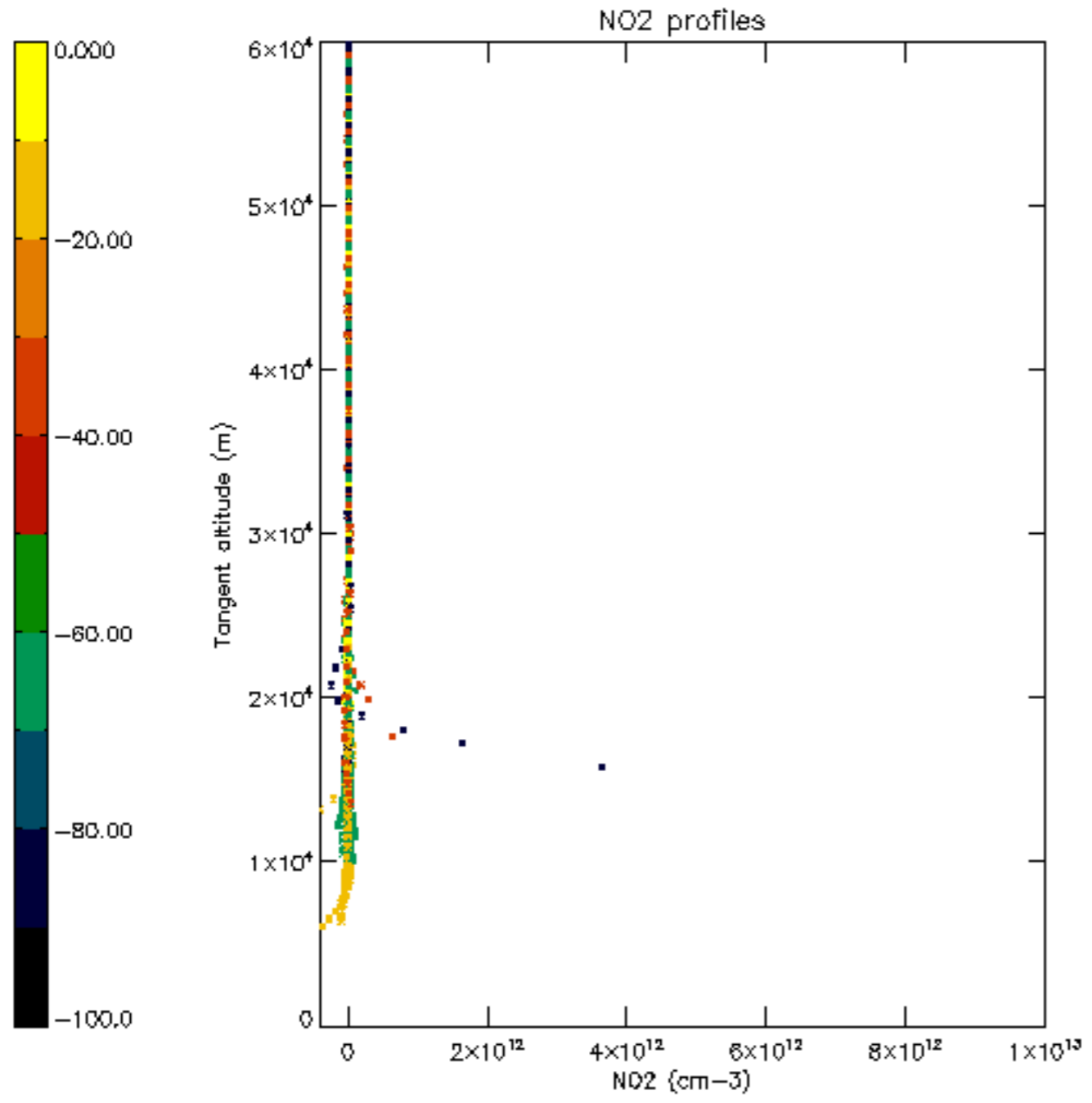


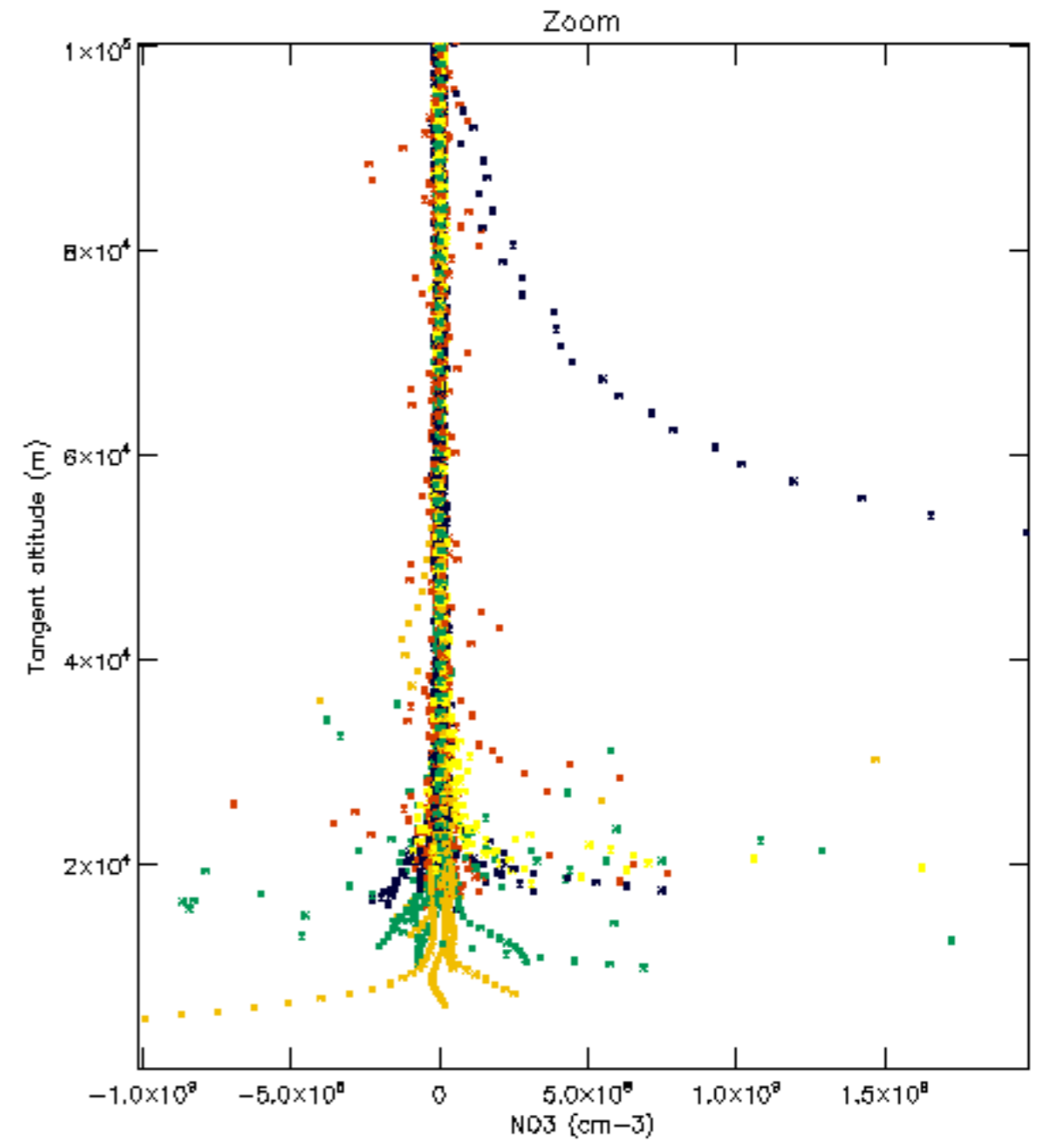
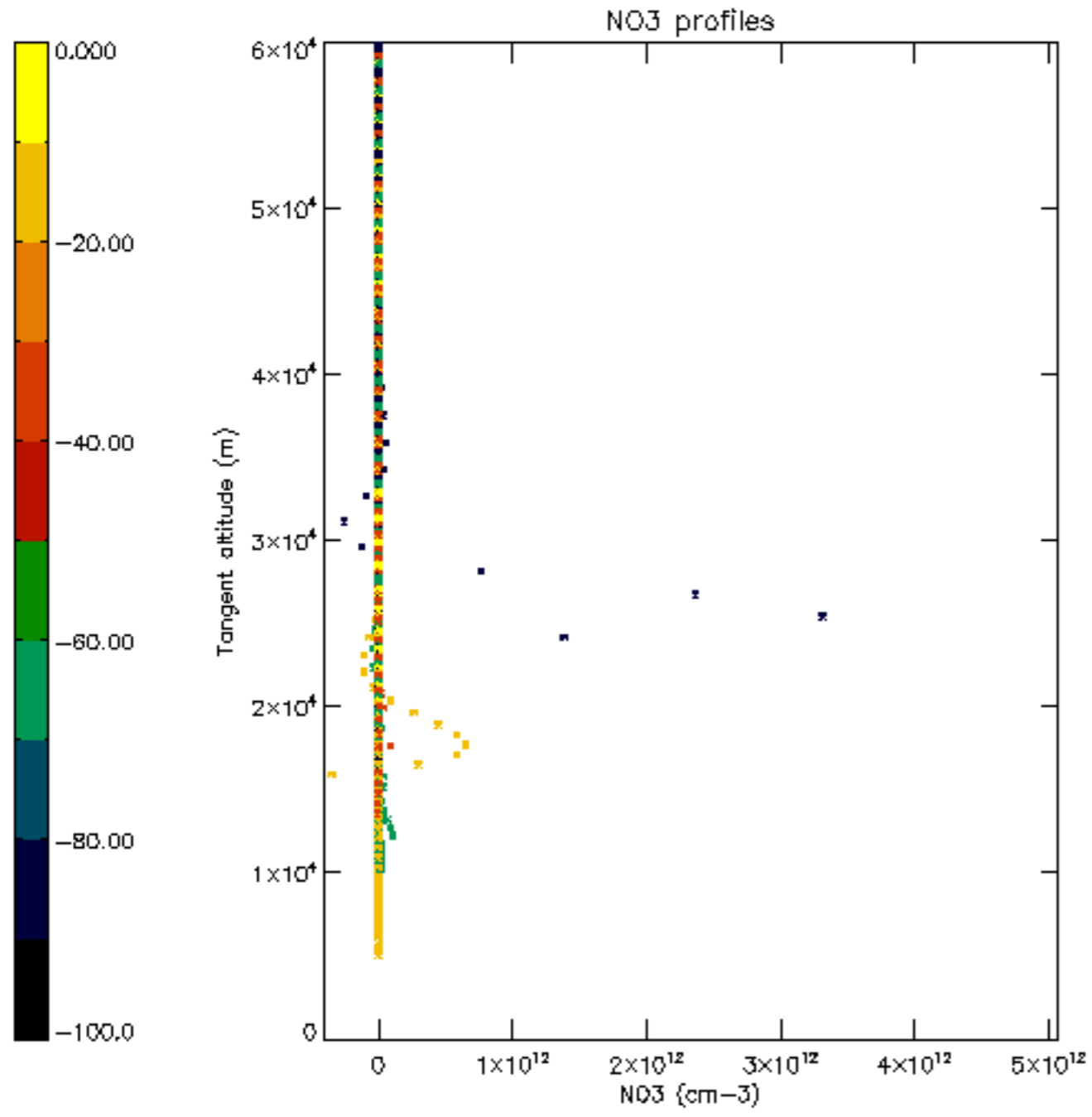




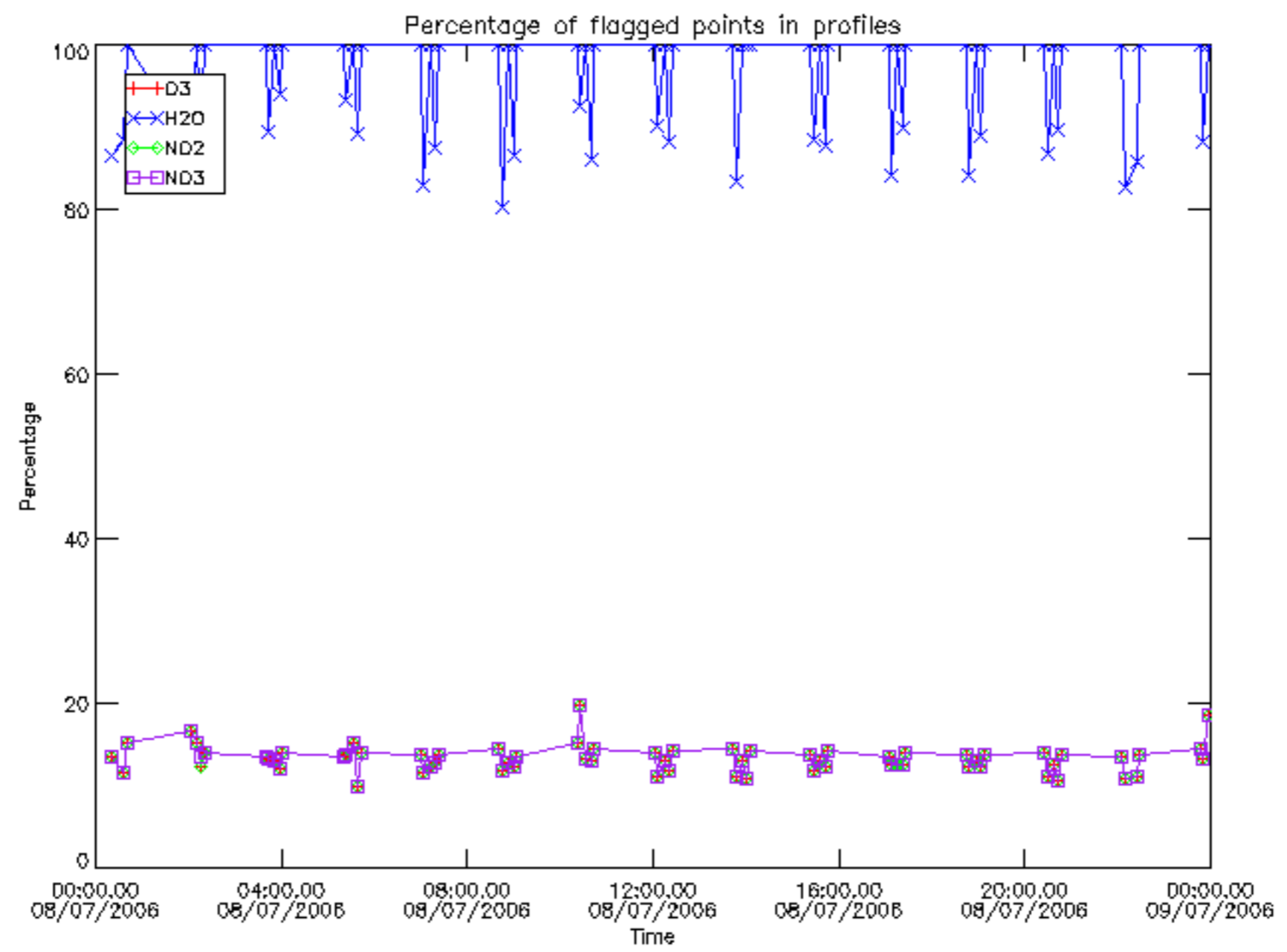




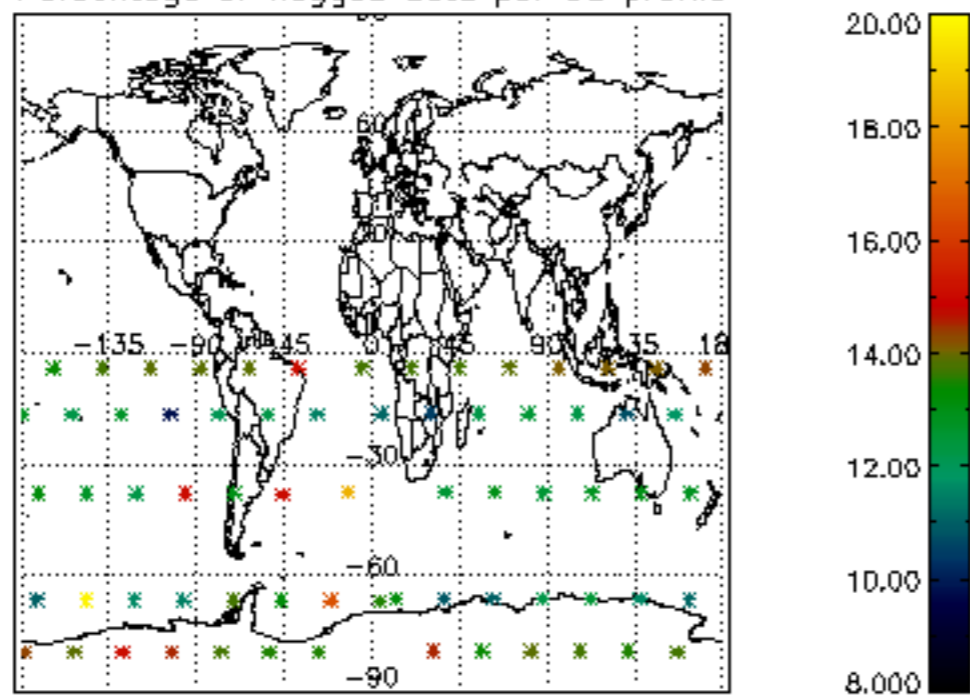




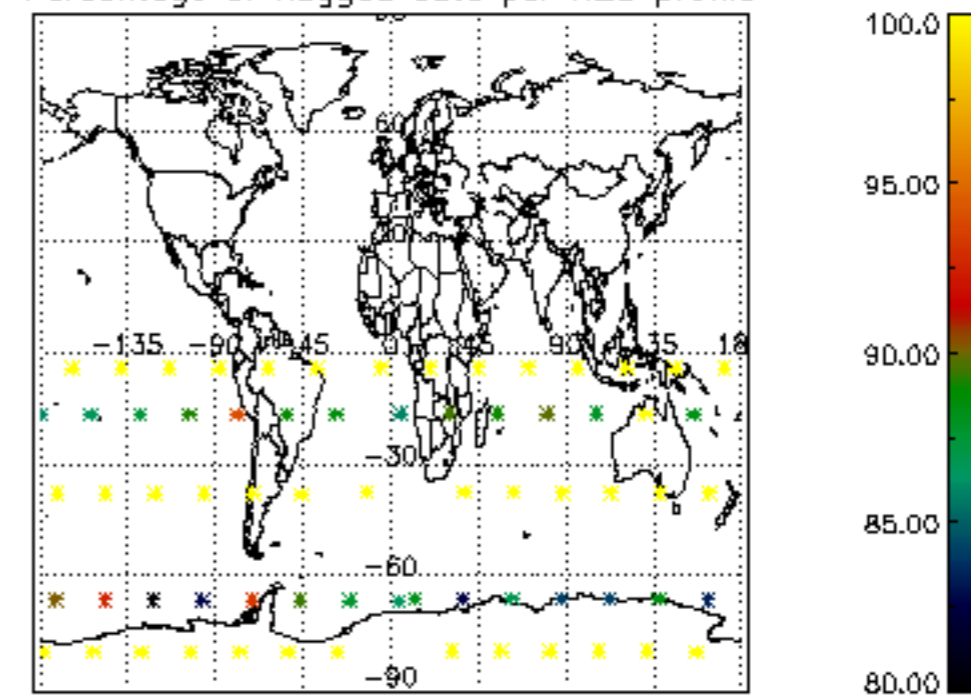




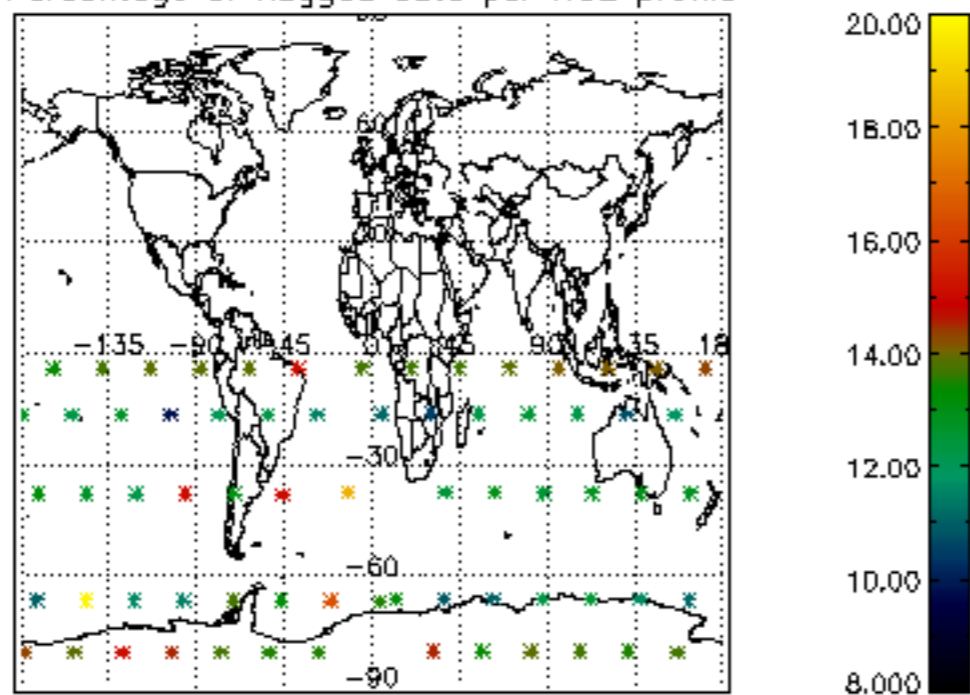
Percentage of flagged data per D3 profile



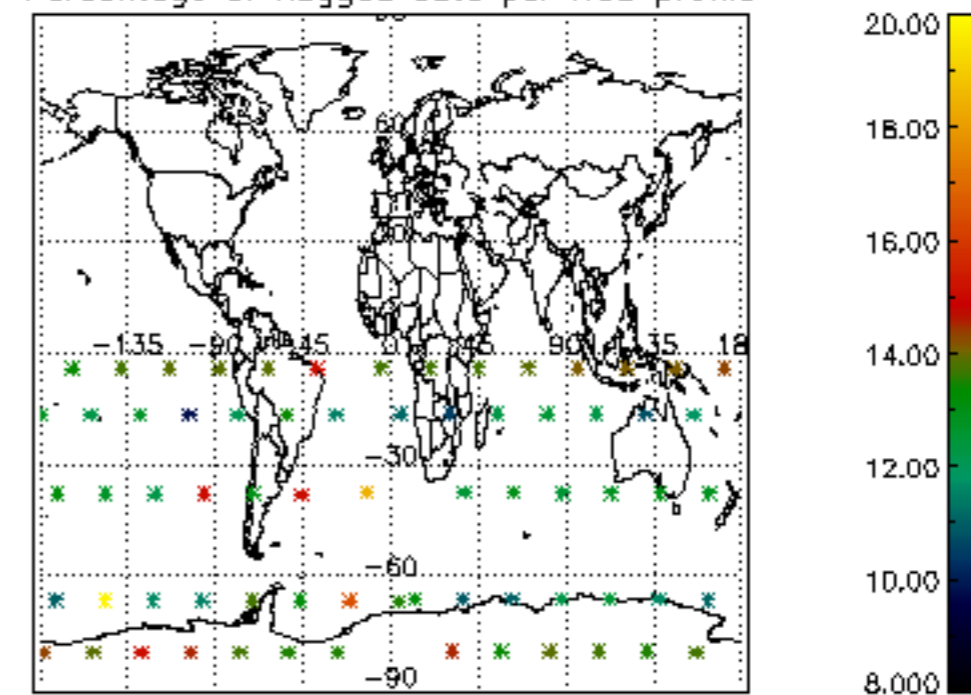
Percentage of flagged data per H2O profile

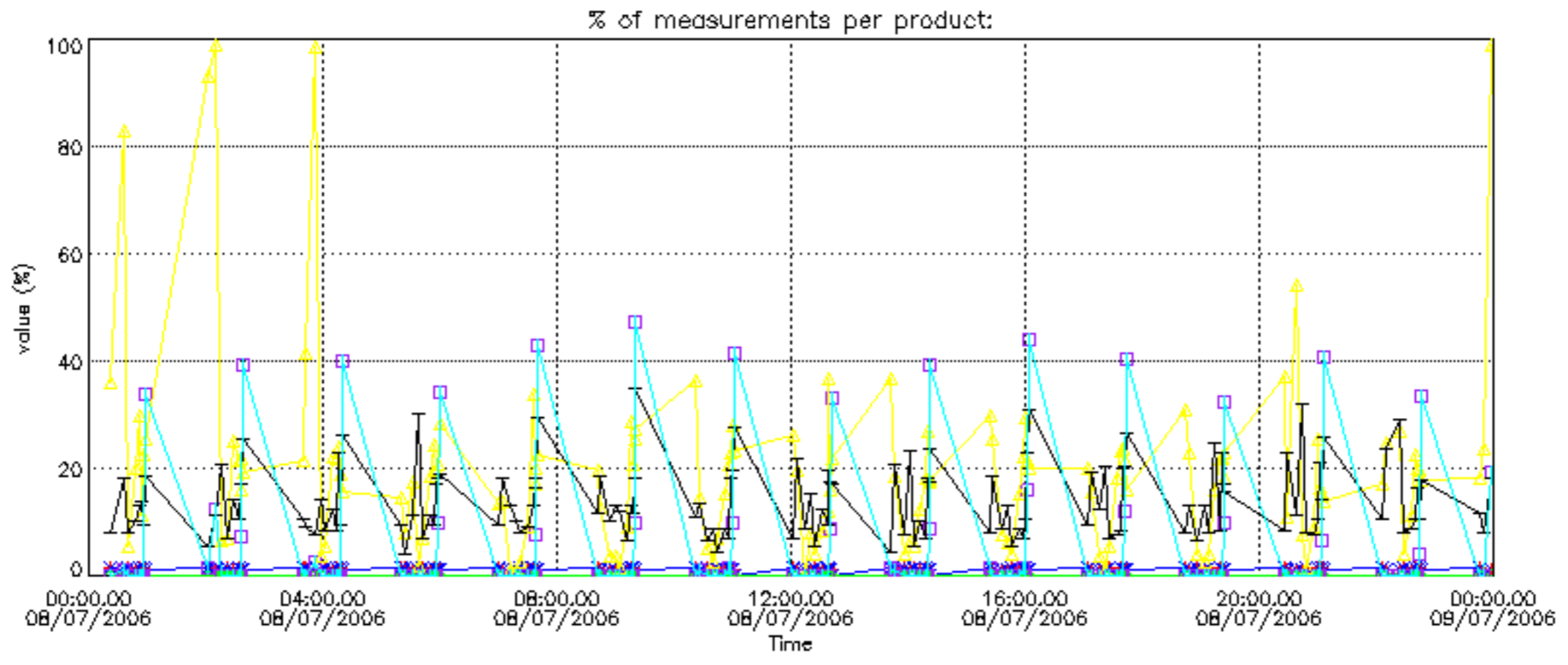


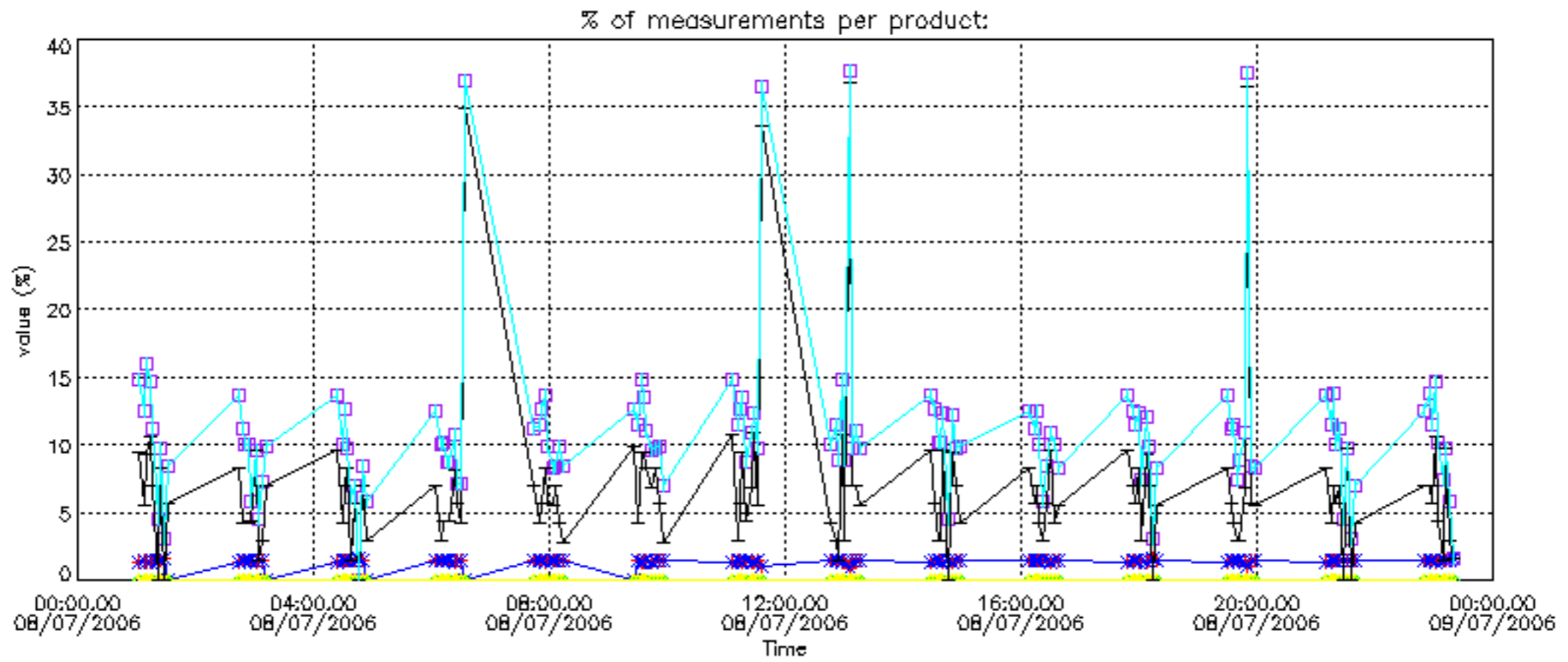
Percentage of flagged data per NO2 profile



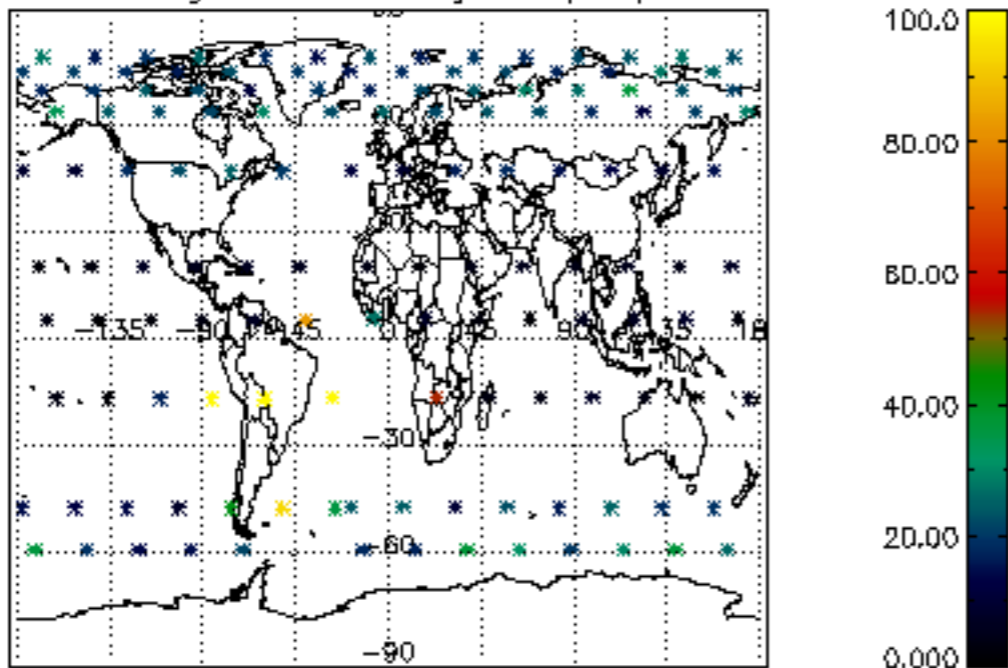
Percentage of flagged data per NO3 profile



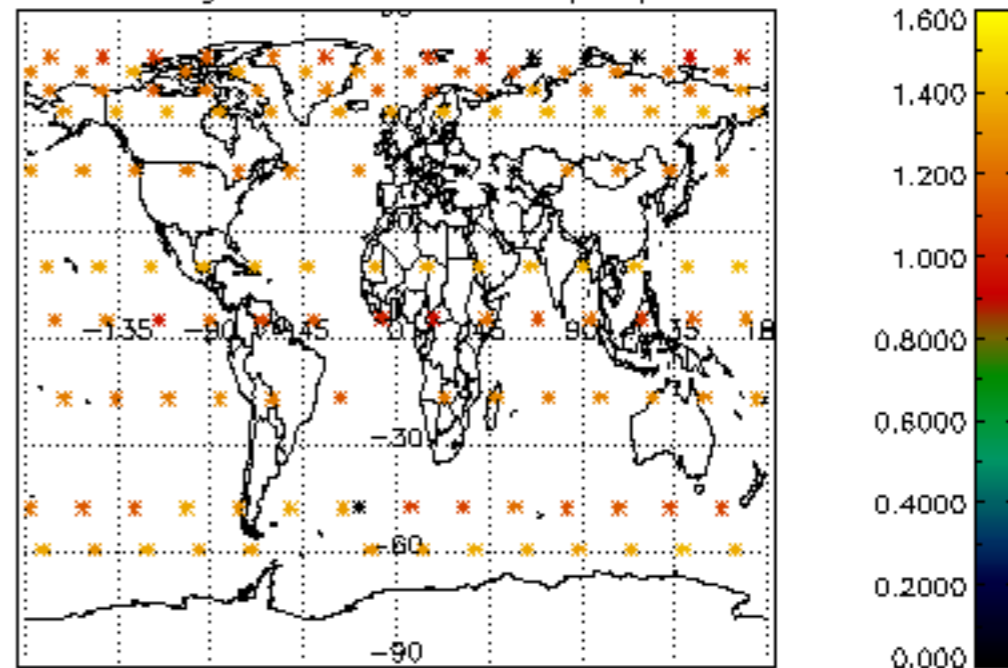




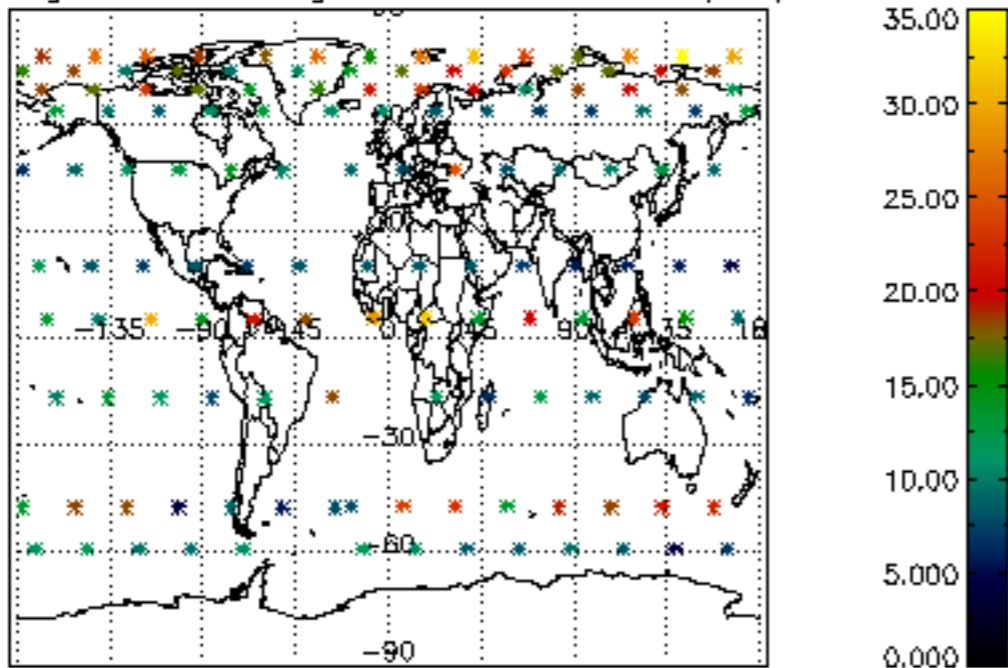
Percentage of cosmic ray hits per profile



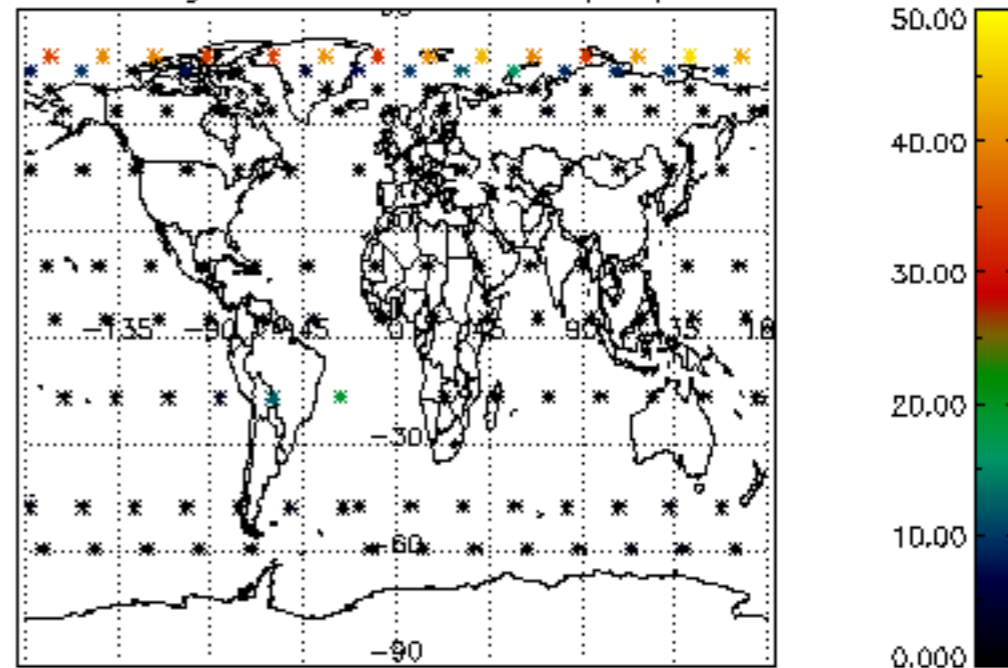
Percentage of datation errors per profile



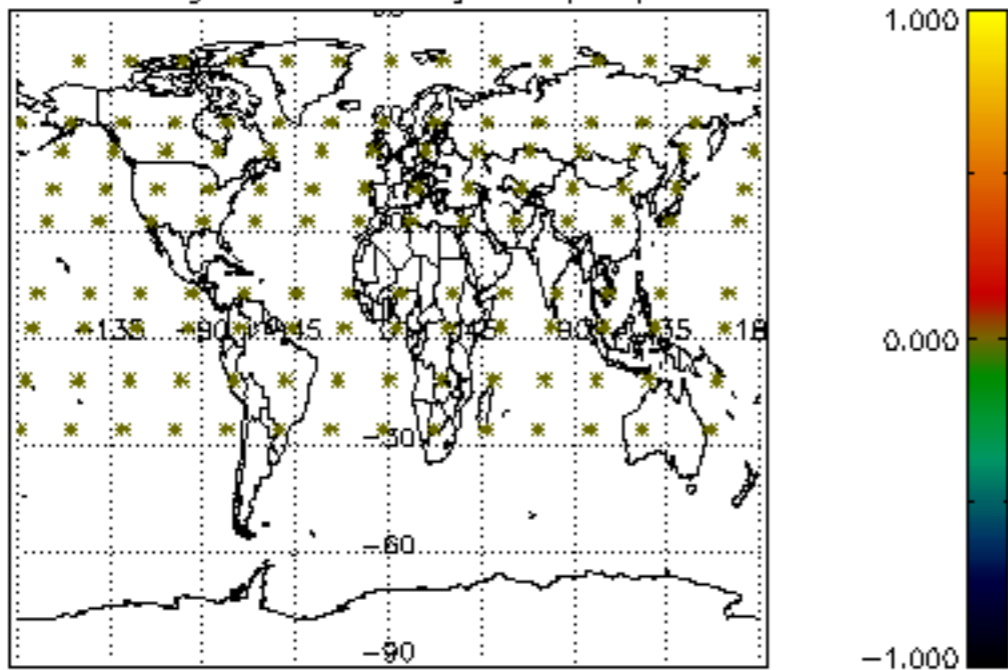
Percentage of star falling outside central band per profile



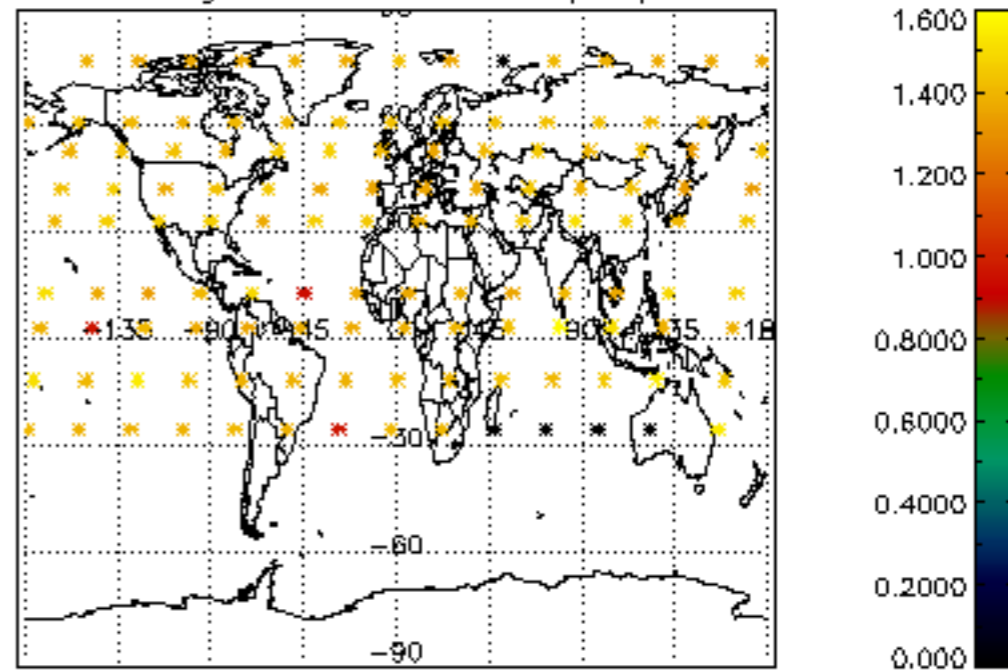
Percentage of saturation errors per profile



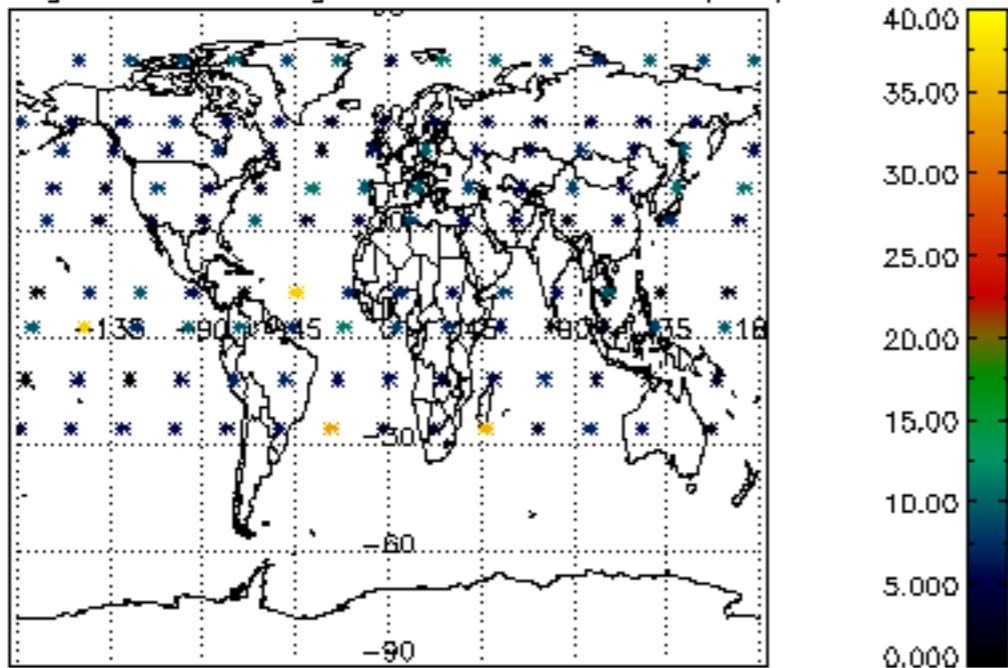
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

