

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	19APR2013 05:21:12
Data source version	GOMOS/6.01
Start time of products	30-06-2004 (30JUN2004 00:00:00)
Stop time of products	01-07-2004 (01JUL2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	182
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__2PRFIN20040630_000211_000000772028_00116_12194_2131.N1	30-JUN-2004 00:02:11	Twilight	77.000	53	43Bet And	2.0480	3300.0	154	12194	No
2	GOM_NL__2PRFIN20040630_000627_000000642028_00116_12194_2132.N1	30-JUN-2004 00:06:27	Dark	64.000	50	13Alp Ari	2.0070	4250.0	128	12194	No
3	GOM_NL__2PRFIN20040630_001124_000000502028_00116_12194_2133.N1	30-JUN-2004 00:11:24	Dark	49.500	94	92Alp Cet	2.5260	3100.0	99	12194	No
4	GOM_NL__2PRFIN20040630_001509_000000452028_00116_12194_2134.N1	30-JUN-2004 00:15:09	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	12194	No
5	GOM_NL__2PRFIN20040630_002557_000000722028_00116_12194_2135.N1	30-JUN-2004 00:25:57	Dark	72.000	52	16Bet Cet	2.0370	4500.0	144	12194	No
6	GOM_NL__2PRFIN20040630_002938_000000452028_00117_12195_2104.N1	30-JUN-2004 00:29:38	Dark	44.500	9	Alp Eri	0.45300	24000.	89	12195	No
7	GOM_NL__2PRFIN20040630_003420_000000402028_00117_12195_2105.N1	30-JUN-2004 00:34:20	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	12195	No
8	GOM_NL__2PRFIN20040630_003703_000000572028_00117_12195_2106.N1	30-JUN-2004 00:37:03	Straylight	56.500	63	Bet Gru	2.1500	2800.0	113	12195	No
9	GOM_NL__2PRFIN20040630_003901_000000632028_00117_12195_2107.N1	30-JUN-2004 00:39:01	Straylight	62.500	31	Alp Gru	1.7340	15200.	125	12195	No
10	GOM_NL__2PRFIN20040630_004126_000000442028_00117_12195_2108.N1	30-JUN-2004 00:41:26	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	12195	No
11	GOM_NL__2PRFIN20040630_004520_000000422028_00117_12195_2109.N1	30-JUN-2004 00:45:20	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	12195	No
12	GOM_NL__2PRFIN20040630_004647_000000402028_00117_12195_2110.N1	30-JUN-2004 00:46:47	Twilight	39.500	147	Alp Ara	2.8770	26000.	79	12195	No
13	GOM_NL__2PRFIN20040630_004835_000000442028_00117_12195_2111.N1	30-JUN-2004 00:48:35	Twilight	43.500	40	The Sco	1.8590	7100.0	87	12195	No
14	GOM_NL__2PRFIN20040630_005015_000000442028_00117_12195_2112.N1	30-JUN-2004 00:50:15	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	12195	No
15	GOM_NL__2PRFIN20040630_005140_000000542028_00117_12195_2113.N1	30-JUN-2004 00:51:40	Bright	54.000	116	19Del Sgr	2.7000	4100.0	108	12195	No
16	GOM_NL__2PRFIN20040630_005345_000000472028_00117_12195_2114.N1	30-JUN-2004 00:53:45	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	12195	No
17	GOM_NL__2PRFIN20040630_005627_000000392028_00117_12195_2115.N1	30-JUN-2004 00:56:27	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	12195	No
18	GOM_NL__2PRFIN20040630_005812_000000392028_00117_12195_2116.N1	30-JUN-2004 00:58:12	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	12195	No
19	GOM_NL__2PRFIN20040630_010023_000000382028_00117_12195_2117.N1	30-JUN-2004 01:00:23	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	12195	No
20	GOM_NL__2PRFIN20040630_010208_000000392028_00117_12195_2118.N1	30-JUN-2004 01:02:08	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	12195	No
21	GOM_NL__2PRFIN20040630_010428_000000402028_00117_12195_2119.N1	30-JUN-2004 01:04:28	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	12195	No
22	GOM_NL__2PRFIN20040630_010709_000000392028_00117_12195_2120.N1	30-JUN-2004 01:07:09	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	12195	No
23	GOM_NL__2PRFIN20040630_010954_000000382028_00117_12195_2121.N1	30-JUN-2004 01:09:54	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	12195	No
24	GOM_NL__2PRFIN20040630_011323_000000422028_00117_12195_2122.N1	30-JUN-2004 01:13:23	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	12195	No
25	GOM_NL__2PRFIN20040630_011557_000000392028_00117_12195_2123.N1	30-JUN-2004 01:15:57	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	12195	No
26	GOM_NL__2PRFIN20040630_011819_000000382028_00117_12195_2124.N1	30-JUN-2004 01:18:19	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	12195	No
27	GOM_NL__2PRFIN20040630_012217_000000392028_00117_12195_2125.N1	30-JUN-2004 01:22:17	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	12195	No
28	GOM_NL__2PRFIN20040630_012457_000000472028_00117_12195_2126.N1	30-JUN-2004 01:24:57	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	12195	No
29	GOM_NL__2PRFIN20040630_013217_000000502028_00117_12195_2127.N1	30-JUN-2004 01:32:17	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	12195	No
30	GOM_NL__2PRFIN20040630_013358_000000492028_00117_12195_2128.N1	30-JUN-2004 01:33:58	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	12195	No
31	GOM_NL__2PRFIN20040630_013650_000000552028_00117_12195_2129.N1	30-JUN-2004 01:36:50	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	12195	No
32	GOM_NL__2PRFIN20040630_013832_000000352028_00117_12195_2130.N1	30-JUN-2004 01:38:32	Bright	35.000	175	39Del Per	3.0100	19400.	70	12195	No
33	GOM_NL__2PRFIN20040630_014015_000000492028_00117_12195_2131.N1	30-JUN-2004 01:40:15	Bright	49.000	73	57Gam1And	2.2600	13100.	98	12195	No
34	GOM_NL__2PRFIN20040630_014247_000000692028_00117_12195_2132.N1	30-JUN-2004 01:42:47	Twilight	69.000	53	43Bet And	2.0480	3300.0	138	12195	No
35	GOM_NL__2PRFIN20040630_014703_000000592028_00117_12195_2133.N1	30-JUN-2004 01:47:03	Dark	58.500	50	13Alp Ari	2.0070	4250.0	117	12195	No
36	GOM_NL__2PRFIN20040630_015201_000000552028_00117_12195_2134.N1	30-JUN-2004 01:52:01	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	12195	No
37	GOM_NL__2PRFIN20040630_015546_000000462028_00117_12195_2135.N1	30-JUN-2004 01:55:46	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	12195	No
38	GOM_NL__2PRFIN20040630_020635_000000782028_00117_12195_2136.N1	30-JUN-2004 02:06:35	Dark	77.500	52	16Bet Cet	2.0370	4500.0	155	12195	No
39	GOM_NL__2PRFIN20040630_021014_000000432028_00118_12196_2105.N1	30-JUN-2004 02:10:14	Dark	42.500	9	Alp Eri	0.45300	24000.	85	12196	No
40	GOM_NL__2PRFIN20040630_021455_000000402028_00118_12196_2106.N1	30-JUN-2004 02:14:55	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	12196	No
41	GOM_NL__2PRFIN20040630_021741_000000662028_00118_12196_2107.N1	30-JUN-2004 02:17:41	Straylight	66.000	63	Bet Gru	2.1500	2800.0	132	12196	No
42	GOM_NL__2PRFIN20040630_021938_000000502028_00118_12196_2108.N1	30-JUN-2004 02:19:38	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	12196	No

43	GOM_NL__2PRFIN20040630_022203_000000442028_00118_12196_2109.N1	30-JUN-2004 02:22:03	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	12196	No
44	GOM_NL__2PRFIN20040630_022556_000000432028_00118_12196_2110.N1	30-JUN-2004 02:25:56	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	12196	No
45	GOM_NL__2PRFIN20040630_022721_000000442028_00118_12196_2111.N1	30-JUN-2004 02:27:21	Twi_and_stray	43.500	147	Alp Ara	2.8770	26000.	87	12196	No
46	GOM_NL__2PRFIN20040630_022911_000000422028_00118_12196_2112.N1	30-JUN-2004 02:29:11	Twi_and_stray	42.000	40	The Sco	1.8590	7100.0	84	12196	No
47	GOM_NL__2PRFIN20040630_023051_000000462028_00118_12196_2113.N1	30-JUN-2004 02:30:51	Twi_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	12196	No
48	GOM_NL__2PRFIN20040630_023216_000000552028_00118_12196_2114.N1	30-JUN-2004 02:32:16	Bright	55.000	116	19Del Sgr	2.7000	4100.0	110	12196	No
49	GOM_NL__2PRFIN20040630_023421_000000472028_00118_12196_2115.N1	30-JUN-2004 02:34:21	Bright	47.000	155	41Pi Sgr	2.9000	6600.0	94	12196	No
50	GOM_NL__2PRFIN20040630_023701_000000422028_00118_12196_2116.N1	30-JUN-2004 02:37:01	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	12196	No
51	GOM_NL__2PRFIN20040630_023848_000000392028_00118_12196_2117.N1	30-JUN-2004 02:38:48	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	12196	No
52	GOM_NL__2PRFIN20040630_024058_000000402028_00118_12196_2118.N1	30-JUN-2004 02:40:58	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	12196	No
53	GOM_NL__2PRFIN20040630_024244_000000392028_00118_12196_2119.N1	30-JUN-2004 02:42:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	12196	No
54	GOM_NL__2PRFIN20040630_024504_000000402028_00118_12196_2120.N1	30-JUN-2004 02:45:04	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	12196	No
55	GOM_NL__2PRFIN20040630_024745_000000382028_00118_12196_2121.N1	30-JUN-2004 02:47:45	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	12196	No
56	GOM_NL__2PRFIN20040630_025030_000000382028_00118_12196_2122.N1	30-JUN-2004 02:50:30	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	12196	No
57	GOM_NL__2PRFIN20040630_025358_000000482028_00118_12196_2123.N1	30-JUN-2004 02:53:58	Bright	47.500	5	3Alp Lyr	0.033000	11000.	95	12196	No
58	GOM_NL__2PRFIN20040630_025633_000000372028_00118_12196_2124.N1	30-JUN-2004 02:56:33	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	12196	No
59	GOM_NL__2PRFIN20040630_025854_000000382028_00118_12196_2125.N1	30-JUN-2004 02:58:54	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	12196	No
60	GOM_NL__2PRFIN20040630_030253_000000382028_00118_12196_2126.N1	30-JUN-2004 03:02:53	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	12196	No
61	GOM_NL__2PRFIN20040630_030532_000000462028_00118_12196_2127.N1	30-JUN-2004 03:05:32	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	12196	No
62	GOM_NL__2PRFIN20040630_031251_000000502028_00118_12196_2128.N1	30-JUN-2004 03:12:51	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	12196	No
63	GOM_NL__2PRFIN20040630_031433_000000502028_00118_12196_2129.N1	30-JUN-2004 03:14:33	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	12196	No
64	GOM_NL__2PRFIN20040630_031726_000000372028_00118_12196_2130.N1	30-JUN-2004 03:17:26	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	12196	No
65	GOM_NL__2PRFIN20040630_031908_000000442028_00118_12196_2131.N1	30-JUN-2004 03:19:08	Bright	44.000	175	39Del Per	3.0100	19400.	88	12196	No
66	GOM_NL__2PRFIN20040630_032051_000000482028_00118_12196_2132.N1	30-JUN-2004 03:20:51	Bright	48.000	73	57Gam1And	2.2600	13100.	96	12196	No
67	GOM_NL__2PRFIN20040630_032323_000000742028_00118_12196_2133.N1	30-JUN-2004 03:23:23	Twi_and_stray	73.500	53	43Bet And	2.0480	3300.0	147	12196	No
68	GOM_NL__2PRFIN20040630_032737_000000642028_00118_12196_2134.N1	30-JUN-2004 03:27:37	Dark	64.000	50	13Alp Ari	2.0070	4250.0	128	12196	No
69	GOM_NL__2PRFIN20040630_033237_000000502028_00118_12196_2135.N1	30-JUN-2004 03:32:37	Dark	50.000	94	92Alp Cet	2.5260	3100.0	100	12196	No
70	GOM_NL__2PRFIN20040630_033622_000000452028_00118_12196_2136.N1	30-JUN-2004 03:36:22	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	12196	No
71	GOM_NL__2PRFIN20040630_034444_000000412028_00118_12196_2137.N1	30-JUN-2004 03:44:44	Dark	41.000	157	The1Eri	2.9060	9300.0	82	12196	No
72	GOM_NL__2PRFIN20040630_034712_000000922028_00118_12196_2138.N1	30-JUN-2004 03:47:12	Dark	91.500	52	16Bet Cet	2.0370	4500.0	183	12196	No
73	GOM_NL__2PRFIN20040630_035051_000000502028_00119_12197_2105.N1	30-JUN-2004 03:50:51	Dark	49.500	9	Alp Eri	0.45300	24000.	99	12197	No
74	GOM_NL__2PRFIN20040630_035532_000000392028_00119_12197_2106.N1	30-JUN-2004 03:55:32	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12197	No
75	GOM_NL__2PRFIN20040630_035817_000000562028_00119_12197_2107.N1	30-JUN-2004 03:58:17	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	12197	No
76	GOM_NL__2PRFIN20040630_040014_000000512028_00119_12197_2108.N1	30-JUN-2004 04:00:14	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	12197	No
77	GOM_NL__2PRFIN20040630_040239_000000442028_00119_12197_2109.N1	30-JUN-2004 04:02:39	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	12197	No
78	GOM_NL__2PRFIN20040630_040632_000000422028_00119_12197_2110.N1	30-JUN-2004 04:06:32	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	12197	No
79	GOM_NL__2PRFIN20040630_040759_000000392028_00119_12197_2111.N1	30-JUN-2004 04:07:59	Twi_and_stray	39.000	147	Alp Ara	2.8770	26000.	78	12197	No
80	GOM_NL__2PRFIN20040630_040948_000000442028_00119_12197_2112.N1	30-JUN-2004 04:09:48	Twi_and_stray	43.500	40	The Sco	1.8590	7100.0	87	12197	No
81	GOM_NL__2PRFIN20040630_041128_000000432028_00119_12197_2113.N1	30-JUN-2004 04:11:28	Twi_and_stray	42.500	25	35Lam Sco	1.6200	28000.	85	12197	No
82	GOM_NL__2PRFIN20040630_041252_000000492028_00119_12197_2114.N1	30-JUN-2004 04:12:52	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	12197	No
83	GOM_NL__2PRFIN20040630_041457_000000482028_00119_12197_2115.N1	30-JUN-2004 04:14:57	Bright	48.000	155	41Pi Sgr	2.9000	6600.0	96	12197	No
84	GOM_NL__2PRFIN20040630_041739_000000402028_00119_12197_2116.N1	30-JUN-2004 04:17:39	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	12197	No
85	GOM_NL__2PRFIN20040630_041925_000000382028_00119_12197_2117.N1	30-JUN-2004 04:19:25	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	12197	No
86	GOM_NL__2PRFIN20040630_042135_000000382028_00119_12197_2118.N1	30-JUN-2004 04:21:35	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	12197	No
87	GOM_NL__2PRFIN20040630_042320_000000392028_00119_12197_2119.N1	30-JUN-2004 04:23:20	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	12197	No
88	GOM_NL__2PRFIN20040630_042540_000000392028_00119_12197_2120.N1	30-JUN-2004 04:25:40	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	12197	No
89	GOM_NL__2PRFIN20040630_042821_000000392028_00119_12197_2121.N1	30-JUN-2004 04:28:21	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	12197	No
90	GOM_NL__2PRFIN20040630_043106_000000382028_00119_12197_2122.N1	30-JUN-2004 04:31:06	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	12197	No
91	GOM_NL__2PRFIN20040630_043434_000000492028_00119_12197_2123.N1	30-JUN-2004 04:34:34	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	12197	No
92	GOM_NL__2PRFIN20040630_043709_000000392028_00119_12197_2124.N1	30-JUN-2004 04:37:09	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	12197	No
93	GOM_NL__2PRFIN20040630_043930_000000382028_00119_12197_2125.N1	30-JUN-2004 04:39:30	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	12197	No
94	GOM_NL__2PRFIN20040630_044329_000000382028_00119_12197_2126.N1	30-JUN-2004 04:43:29	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	12197	No
95	GOM_NL__2PRFIN20040630_044607_000000452028_00119_12197_2127.N1	30-JUN-2004 04:46:07	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	12197	No
96	GOM_NL__2PRFIN20040630_045327_000000492028_00119_12197_2128.N1	30-JUN-2004 04:53:27	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	12197	No
97	GOM_NL__2PRFIN20040630_045509_000000502028_00119_12197_2129.N1	30-JUN-2004 04:55:09	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	12197	No
98	GOM_NL__2PRFIN20040630_045802_000000482028_00119_12197_2130.N1	30-JUN-2004 04:58:02	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	12197	No
99	GOM_NL__2PRFIN20040630_045944_000000402028_00119_12197_2131.N1	30-JUN-2004 04:59:44	Bright	40.000	175	39Del Per	3.0100	19400.	80	12197	No
100	GOM_NL__2PRFIN20040630_050126_000000502028_00119_12197_2132.N1	30-JUN-2004 05:01:26	Bright	50.000	73	57Gam1And	2.2600	13100.	100	12197	No
101	GOM_NL__2PRFIN20040630_050359_000000752028_00119_12197_2133.N1	30-JUN-2004 05:03:59	Twi_and_stray	75.000	53	43Bet And	2.0480	3300.0	150	12197	No

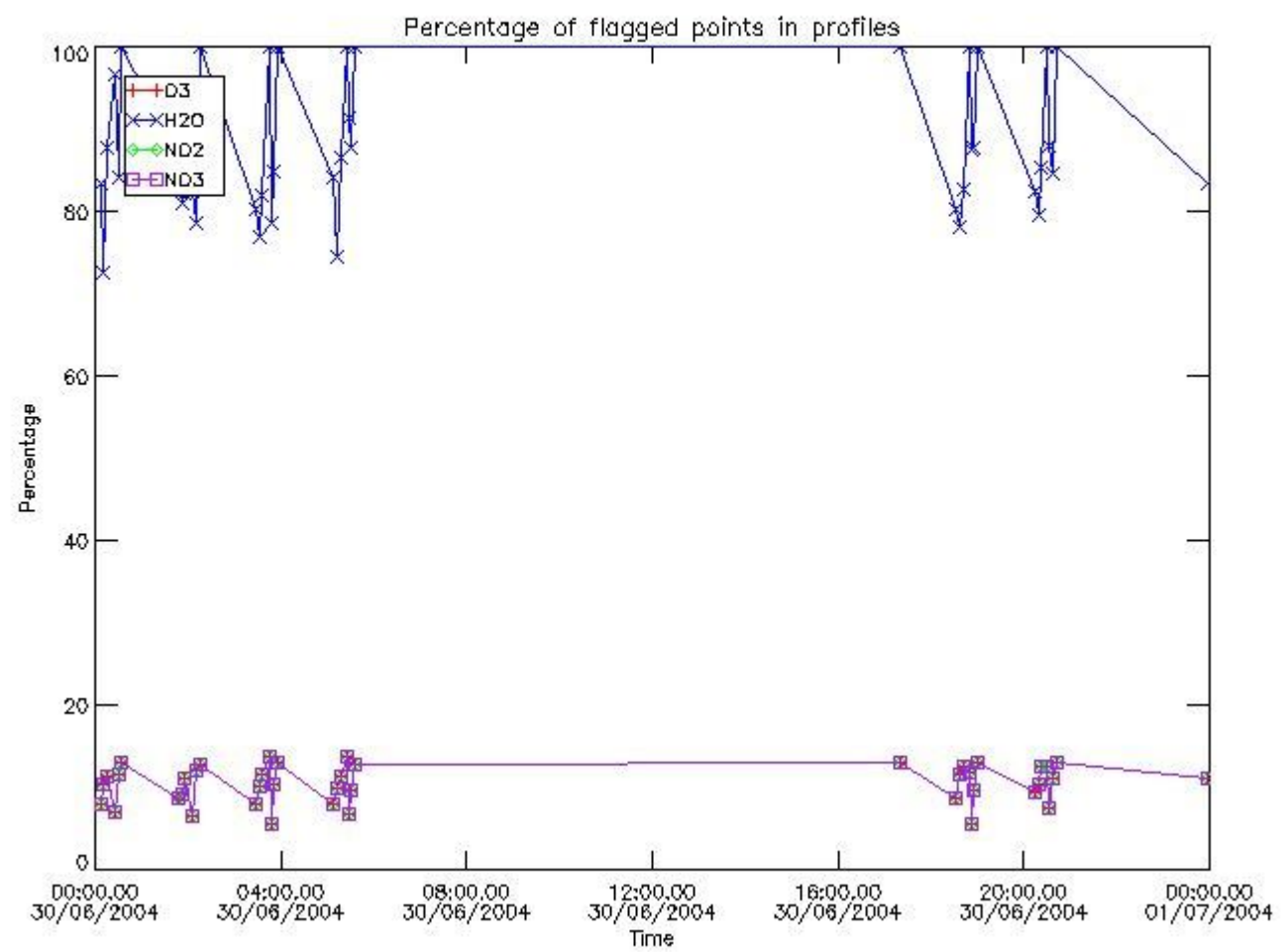
102	GOM_NL__2PRFIN20040630_050815_000000642028_00119_12197_2134.N1	30-JUN-2004 05:08:15	Dark	63.500	50	13Alp Ari	2.0070	4250.0	127	12197	No
103	GOM_NL__2PRFIN20040630_051313_000000522028_00119_12197_2135.N1	30-JUN-2004 05:13:13	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	12197	No
104	GOM_NL__2PRFIN20040630_051657_000000452028_00119_12197_2136.N1	30-JUN-2004 05:16:57	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	12197	No
105	GOM_NL__2PRFIN20040630_052520_000000412028_00119_12197_2137.N1	30-JUN-2004 05:25:20	Dark	41.000	157	The1Eri	2.9060	9300.0	82	12197	No
106	GOM_NL__2PRFIN20040630_052749_000000752028_00119_12197_2138.N1	30-JUN-2004 05:27:49	Dark	75.000	52	16Bet Cet	2.0370	4500.0	150	12197	No
107	GOM_NL__2PRFIN20040630_053128_000000532028_00120_12198_2105.N1	30-JUN-2004 05:31:28	Dark	53.000	9	Alp Eri	0.45300	24000.	106	12198	No
108	GOM_NL__2PRFIN20040630_053608_000000402028_00120_12198_2106.N1	30-JUN-2004 05:36:08	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	12198	No
109	GOM_NL__2PRFIN20040630_053854_000000542028_00120_12198_2107.N1	30-JUN-2004 05:38:54	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	12198	No
110	GOM_NL__2PRFIN20040630_054051_000000512028_00120_12198_2108.N1	30-JUN-2004 05:40:51	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	12198	No
111	GOM_NL__2PRFIN20040630_054316_000000442028_00120_12198_2109.N1	30-JUN-2004 05:43:16	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	12198	No
112	GOM_NL__2PRFIN20040630_172021_000000392028_00127_12205_2116.N1	30-JUN-2004 17:20:21	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12205	No
113	GOM_NL__2PRFIN20040630_172309_000000442028_00127_12205_2117.N1	30-JUN-2004 17:23:09	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	12205	No
114	GOM_NL__2PRFIN20040630_172445_000000862028_00127_12205_2118.N1	30-JUN-2004 17:24:45	Straylight	86.000	18	24Alp PsA	1.1660	9700.0	172	12205	No
115	GOM_NL__2PRFIN20040630_172731_000000452028_00127_12205_2119.N1	30-JUN-2004 17:27:31	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	12205	No
116	GOM_NL__2PRFIN20040630_173121_000000472028_00127_12205_2120.N1	30-JUN-2004 17:31:21	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	12205	No
117	GOM_NL__2PRFIN20040630_173248_000000402028_00127_12205_2121.N1	30-JUN-2004 17:32:48	Twi_and_stray	39.500	147	Alp Ara	2.8770	26000.	79	12205	No
118	GOM_NL__2PRFIN20040630_173437_000000412028_00127_12205_2122.N1	30-JUN-2004 17:34:37	Twi_and_stray	40.500	40	The Sco	1.8590	7100.0	81	12205	No
119	GOM_NL__2PRFIN20040630_173616_000000422028_00127_12205_2123.N1	30-JUN-2004 17:36:16	Twi_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	12205	No
120	GOM_NL__2PRFIN20040630_173741_000000472028_00127_12205_2124.N1	30-JUN-2004 17:37:41	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	12205	No
121	GOM_NL__2PRFIN20040630_173946_000000482028_00127_12205_2125.N1	30-JUN-2004 17:39:46	Bright	47.500	155	41Pi Sgr	2.9000	6600.0	95	12205	No
122	GOM_NL__2PRFIN20040630_174228_000000392028_00127_12205_2126.N1	30-JUN-2004 17:42:28	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	12205	No
123	GOM_NL__2PRFIN20040630_174414_000000382028_00127_12205_2127.N1	30-JUN-2004 17:44:14	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	12205	No
124	GOM_NL__2PRFIN20040630_174622_000000412028_00127_12205_2128.N1	30-JUN-2004 17:46:22	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	12205	No
125	GOM_NL__2PRFIN20040630_174807_000000402028_00127_12205_2129.N1	30-JUN-2004 17:48:07	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	12205	No
126	GOM_NL__2PRFIN20040630_175028_000000392028_00127_12205_2130.N1	30-JUN-2004 17:50:28	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	12205	No
127	GOM_NL__2PRFIN20040630_175309_000000382028_00127_12205_2131.N1	30-JUN-2004 17:53:09	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	12205	No
128	GOM_NL__2PRFIN20040630_175554_000000392028_00127_12205_2132.N1	30-JUN-2004 17:55:54	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	12205	No
129	GOM_NL__2PRFIN20040630_175917_000000452028_00127_12205_2133.N1	30-JUN-2004 17:59:17	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	12205	No
130	GOM_NL__2PRFIN20040630_180155_000000392028_00127_12205_2134.N1	30-JUN-2004 18:01:55	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	12205	No
131	GOM_NL__2PRFIN20040630_180418_000000392028_00127_12205_2135.N1	30-JUN-2004 18:04:18	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	12205	No
132	GOM_NL__2PRFIN20040630_180817_000000382028_00127_12205_2136.N1	30-JUN-2004 18:08:17	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	12205	No
133	GOM_NL__2PRFIN20040630_181050_000000462028_00127_12205_2137.N1	30-JUN-2004 18:10:50	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	12205	No
134	GOM_NL__2PRFIN20040630_181230_000000392028_00127_12205_2138.N1	30-JUN-2004 18:12:30	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	12205	No
135	GOM_NL__2PRFIN20040630_182248_000000392028_00127_12205_2139.N1	30-JUN-2004 18:22:48	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	12205	No
136	GOM_NL__2PRFIN20040630_182431_000000372028_00127_12205_2140.N1	30-JUN-2004 18:24:31	Bright	36.500	175	39Del Per	3.0100	19400.	73	12205	No
137	GOM_NL__2PRFIN20040630_182613_000000532028_00127_12205_2141.N1	30-JUN-2004 18:26:13	Bright	52.500	73	57Gam1And	2.2600	13100.	105	12205	No
138	GOM_NL__2PRFIN20040630_182847_000000742028_00127_12205_2142.N1	30-JUN-2004 18:28:47	Twi_and_stray	74.000	53	43Bet And	2.0480	3300.0	148	12205	No
139	GOM_NL__2PRFIN20040630_183306_000000592028_00127_12205_2143.N1	30-JUN-2004 18:33:06	Dark	59.000	50	13Alp Ari	2.0070	4250.0	118	12205	No
140	GOM_NL__2PRFIN20040630_183803_000000442028_00127_12205_2144.N1	30-JUN-2004 18:38:03	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	12205	No
141	GOM_NL__2PRFIN20040630_184146_000000412028_00127_12205_2145.N1	30-JUN-2004 18:41:46	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	12205	No
142	GOM_NL__2PRFIN20040630_185011_000000442028_00127_12205_2146.N1	30-JUN-2004 18:50:11	Dark	43.500	157	The1Eri	2.9060	9300.0	87	12205	No
143	GOM_NL__2PRFIN20040630_185252_000000922028_00127_12205_2147.N1	30-JUN-2004 18:52:52	Dark	92.000	52	16Bet Cet	2.0370	4500.0	184	12205	No
144	GOM_NL__2PRFIN20040630_185618_000000542028_00128_12206_2118.N1	30-JUN-2004 18:56:18	Dark	53.500	9	Alp Eri	0.45300	24000.	107	12206	No
145	GOM_NL__2PRFIN20040630_190058_000000392028_00128_12206_2119.N1	30-JUN-2004 19:00:58	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12206	No
146	GOM_NL__2PRFIN20040630_190347_000000472028_00128_12206_2120.N1	30-JUN-2004 19:03:47	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	12206	No
147	GOM_NL__2PRFIN20040630_190522_000001022028_00128_12206_2121.N1	30-JUN-2004 19:05:22	Straylight	102.00	18	24Alp PsA	1.1660	9700.0	204	12206	No
148	GOM_NL__2PRFIN20040630_190808_000000432028_00128_12206_2122.N1	30-JUN-2004 19:08:08	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	12206	No
149	GOM_NL__2PRFIN20040630_191158_000000442028_00128_12206_2123.N1	30-JUN-2004 19:11:58	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	12206	No
150	GOM_NL__2PRFIN20040630_191325_000000392028_00128_12206_2124.N1	30-JUN-2004 19:13:25	Twi_and_stray	38.500	147	Alp Ara	2.8770	26000.	77	12206	No
151	GOM_NL__2PRFIN20040630_191514_000000462028_00128_12206_2125.N1	30-JUN-2004 19:15:14	Twi_and_stray	46.000	40	The Sco	1.8590	7100.0	92	12206	No
152	GOM_NL__2PRFIN20040630_191652_000000432028_00128_12206_2126.N1	30-JUN-2004 19:16:52	Twi_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	12206	No
153	GOM_NL__2PRFIN20040630_191818_000000492028_00128_12206_2127.N1	30-JUN-2004 19:18:18	Bright	48.500	116	19Del Sgr	2.7000	4100.0	97	12206	No
154	GOM_NL__2PRFIN20040630_192023_000000452028_00128_12206_2128.N1	30-JUN-2004 19:20:23	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	12206	No
155	GOM_NL__2PRFIN20040630_192305_000000392028_00128_12206_2129.N1	30-JUN-2004 19:23:05	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	12206	No
156	GOM_NL__2PRFIN20040630_192451_000000382028_00128_12206_2130.N1	30-JUN-2004 19:24:51	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	12206	No
157	GOM_NL__2PRFIN20040630_192700_000000392028_00128_12206_2131.N1	30-JUN-2004 19:27:00	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	12206	No
158	GOM_NL__2PRFIN20040630_192844_000000392028_00128_12206_2132.N1	30-JUN-2004 19:28:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	12206	No
159	GOM_NL__2PRFIN20040630_193104_000000392028_00128_12206_2133.N1	30-JUN-2004 19:31:04	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	12206	No
160	GOM_NL__2PRFIN20040630_193346_000000392028_00128_12206_2134.N1	30-JUN-2004 19:33:46	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	12206	No

161	GOM_NL__2PRFIN20040630_193631_000000362028_00128_12206_2135.N1	30-JUN-2004 19:36:31	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	12206	No
162	GOM_NL__2PRFIN20040630_193953_000000442028_00128_12206_2136.N1	30-JUN-2004 19:39:53	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	12206	No
163	GOM_NL__2PRFIN20040630_194231_000000402028_00128_12206_2137.N1	30-JUN-2004 19:42:31	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	12206	No
164	GOM_NL__2PRFIN20040630_194455_000000382028_00128_12206_2138.N1	30-JUN-2004 19:44:55	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	12206	No
165	GOM_NL__2PRFIN20040630_194854_000000392028_00128_12206_2139.N1	30-JUN-2004 19:48:54	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	12206	No
166	GOM_NL__2PRFIN20040630_195125_000000432028_00128_12206_2140.N1	30-JUN-2004 19:51:25	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	12206	No
167	GOM_NL__2PRFIN20040630_195307_000000382028_00128_12206_2141.N1	30-JUN-2004 19:53:07	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	12206	No
168	GOM_NL__2PRFIN20040630_200325_000000392028_00128_12206_2142.N1	30-JUN-2004 20:03:25	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	12206	No
169	GOM_NL__2PRFIN20040630_200508_000000352028_00128_12206_2143.N1	30-JUN-2004 20:05:08	Bright	34.500	175	39Del Per	3.0100	19400.	69	12206	No
170	GOM_NL__2PRFIN20040630_200649_000000472028_00128_12206_2144.N1	30-JUN-2004 20:06:49	Bright	47.000	73	57Gam1And	2.2600	13100.	94	12206	No
171	GOM_NL__2PRFIN20040630_200922_000000802028_00128_12206_2145.N1	30-JUN-2004 20:09:22	Twilight	80.000	53	43Bet And	2.0480	3300.0	160	12206	No
172	GOM_NL__2PRFIN20040630_201342_000000602028_00128_12206_2146.N1	30-JUN-2004 20:13:42	Dark	60.000	50	13Alp Ari	2.0070	4250.0	120	12206	No
173	GOM_NL__2PRFIN20040630_201840_000000492028_00128_12206_2147.N1	30-JUN-2004 20:18:40	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	12206	No
174	GOM_NL__2PRFIN20040630_202223_000000452028_00128_12206_2148.N1	30-JUN-2004 20:22:23	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	12206	No
175	GOM_NL__2PRFIN20040630_203048_000000412028_00128_12206_2149.N1	30-JUN-2004 20:30:48	Dark	41.000	157	The1Eri	2.9060	9300.0	82	12206	No
176	GOM_NL__2PRFIN20040630_203330_000000752028_00128_12206_2150.N1	30-JUN-2004 20:33:30	Dark	74.500	52	16Bet Cet	2.0370	4500.0	149	12206	No
177	GOM_NL__2PRFIN20040630_203656_000000462028_00129_12207_2139.N1	30-JUN-2004 20:36:56	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12207	No
178	GOM_NL__2PRFIN20040630_204134_000000392028_00129_12207_2140.N1	30-JUN-2004 20:41:34	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12207	No
179	GOM_NL__2PRFIN20040630_204423_000000452028_00129_12207_2141.N1	30-JUN-2004 20:44:23	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	12207	No
180	GOM_NL__2PRFIN20040630_204600_000000982028_00129_12207_2142.N1	30-JUN-2004 20:46:00	Straylight	97.500	18	24Alp PsA	1.1660	9700.0	195	12207	No
181	GOM_NL__2PRFIN20040630_204844_000000432028_00129_12207_2143.N1	30-JUN-2004 20:48:44	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	12207	No
182	GOM_NL__2PRFIN20040630_235808_000000462028_00131_12209_2250.N1	30-JUN-2004 23:58:08	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12209	No

3. Quality information per product

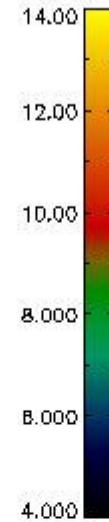
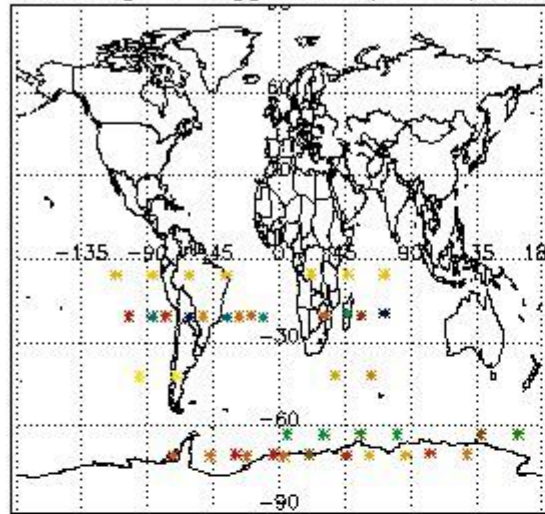
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

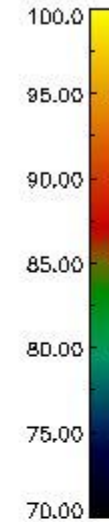
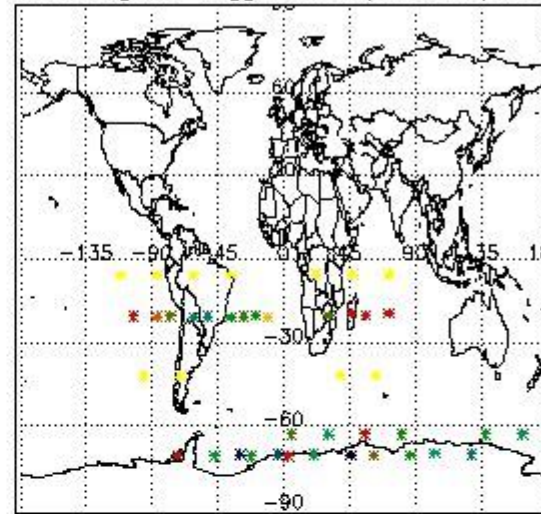


3.2 Plot quality information per product (world map)

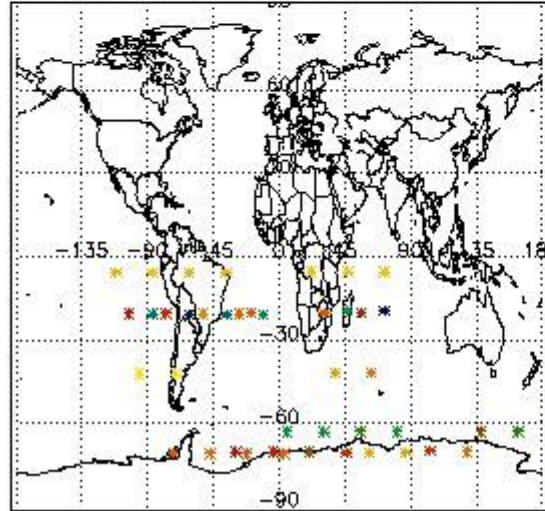
Percentage of flagged data per O3 profile



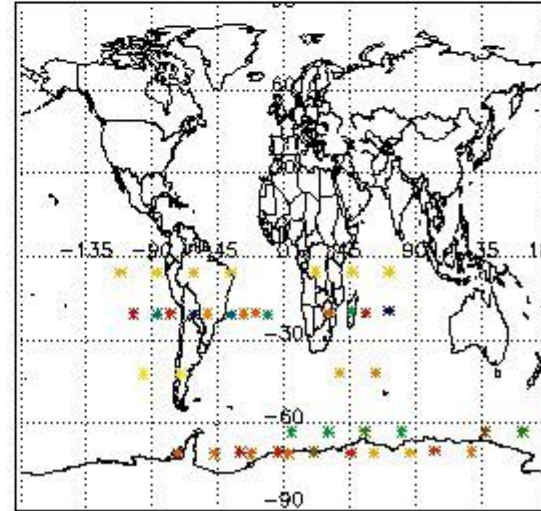
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

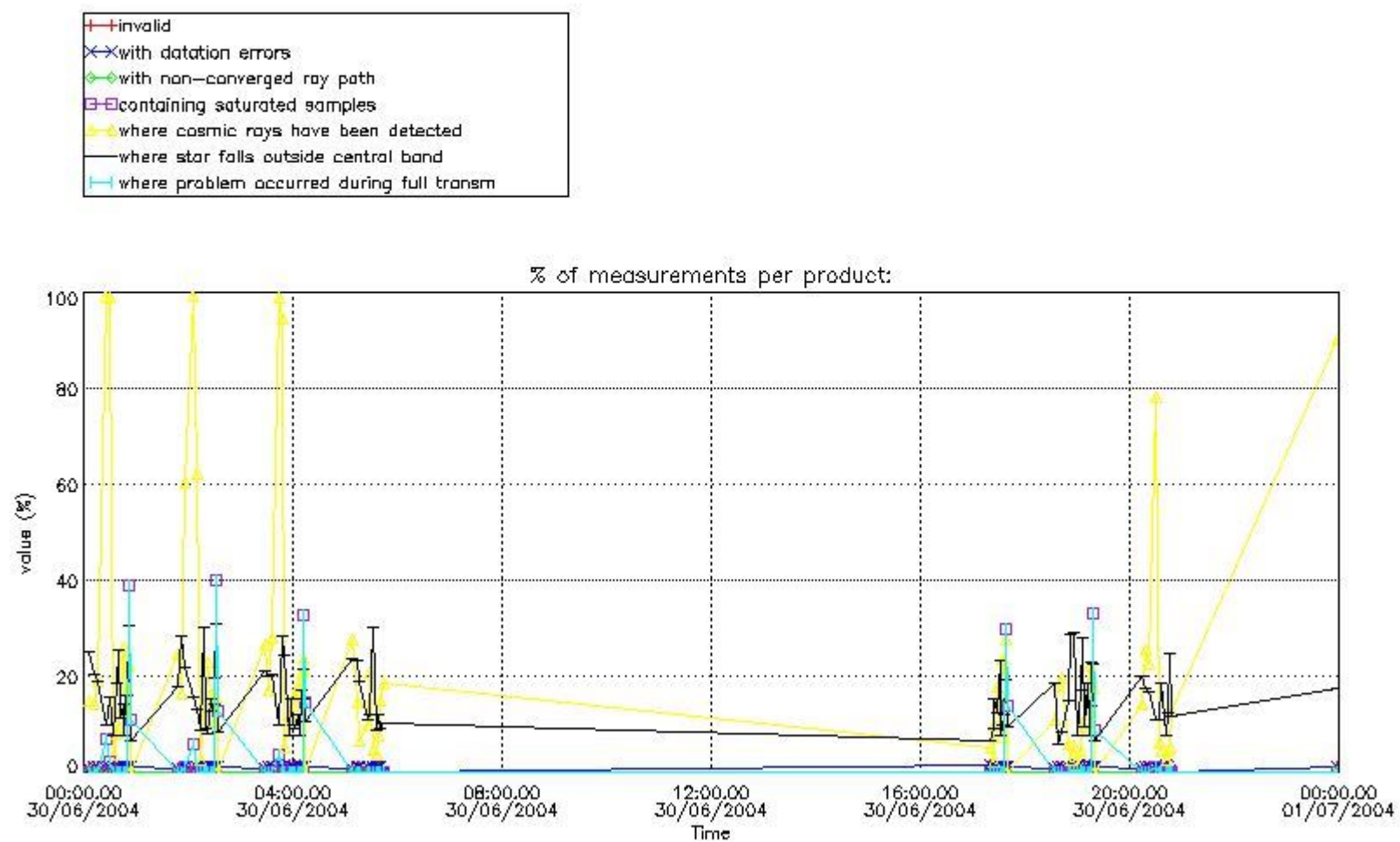


4. Level 1 quality information per product

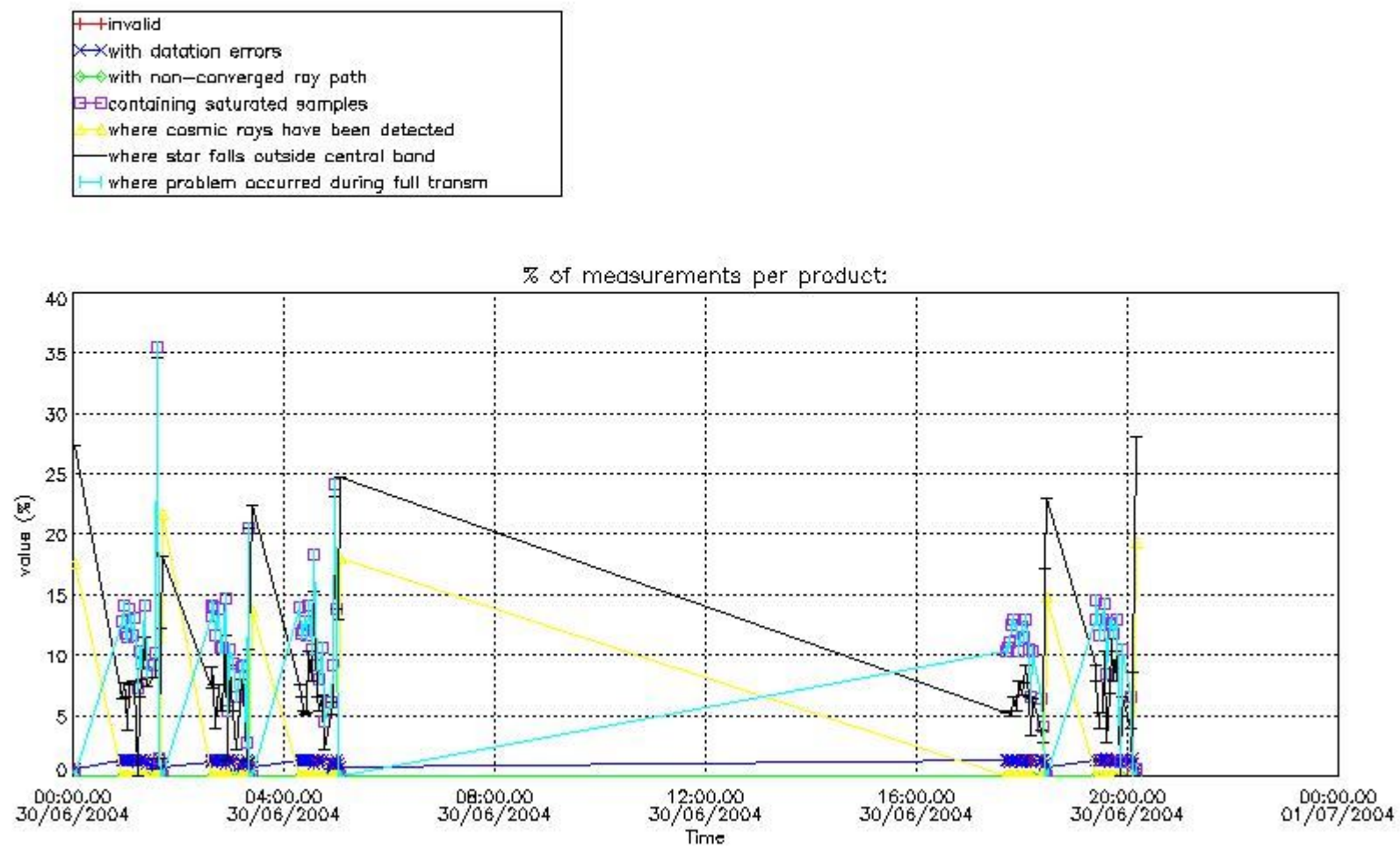
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



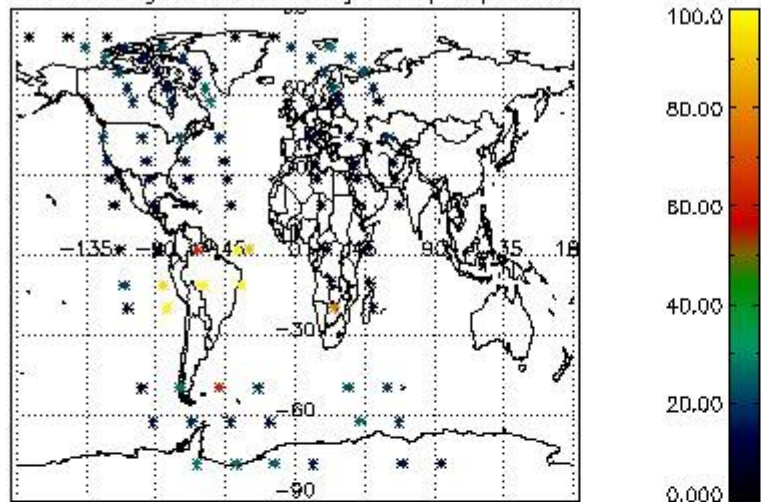
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



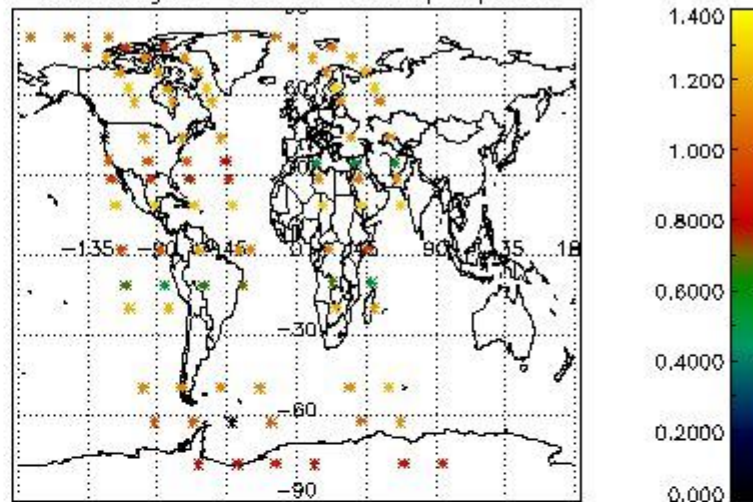
4.2 Plot quality information per product coming from level 1b processing (world map)

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

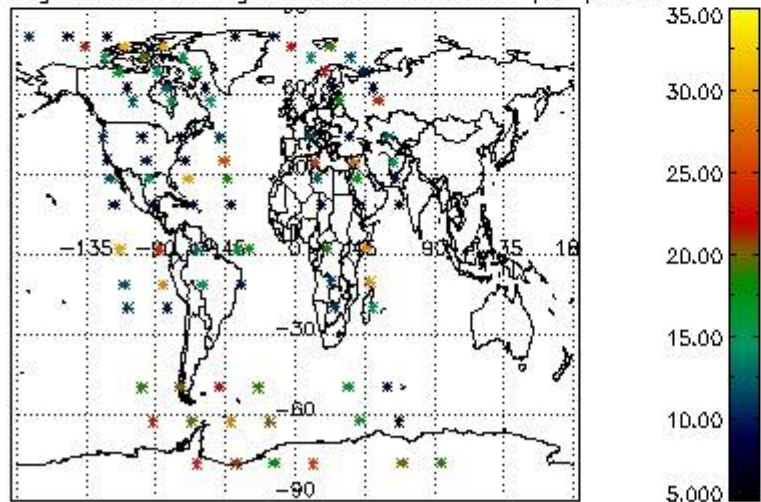
Percentage of cosmic ray hits per profile



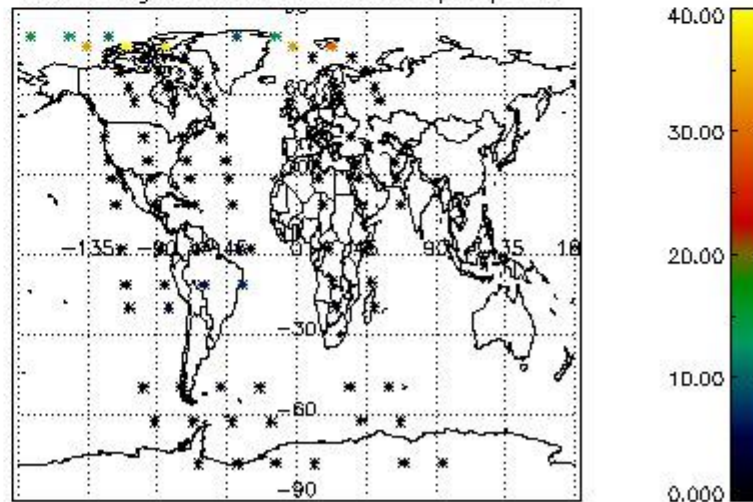
Percentage of datation errors per profile



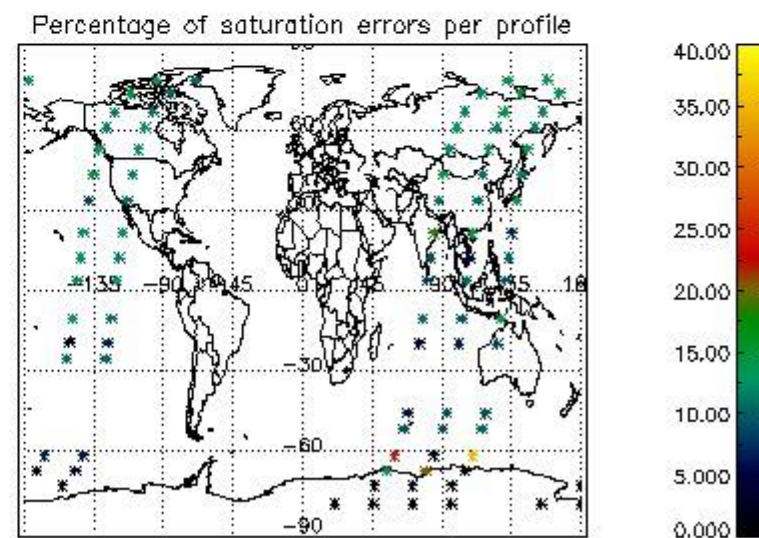
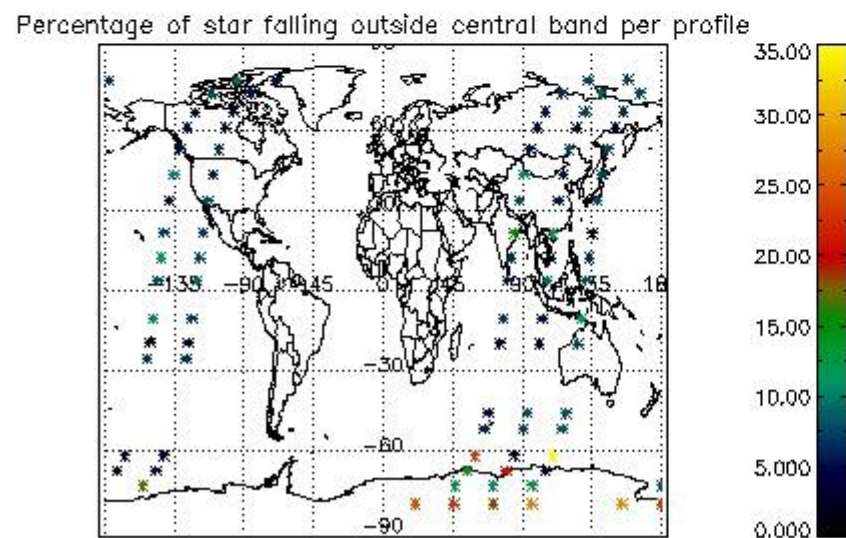
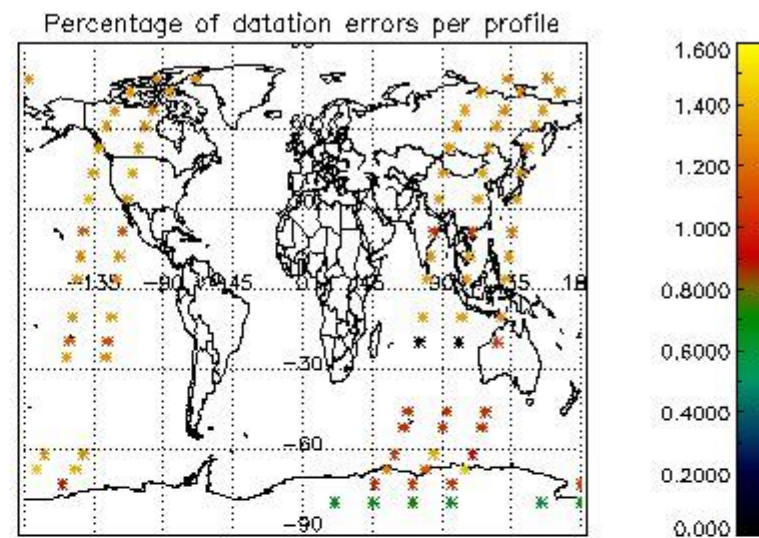
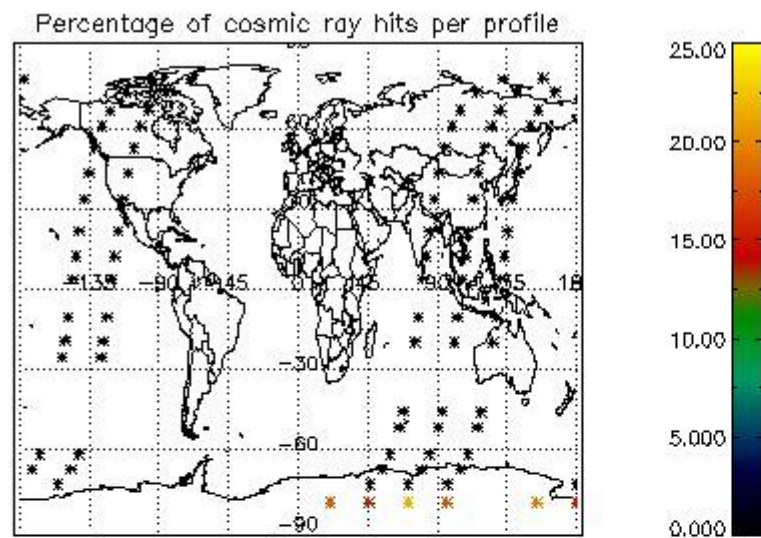
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

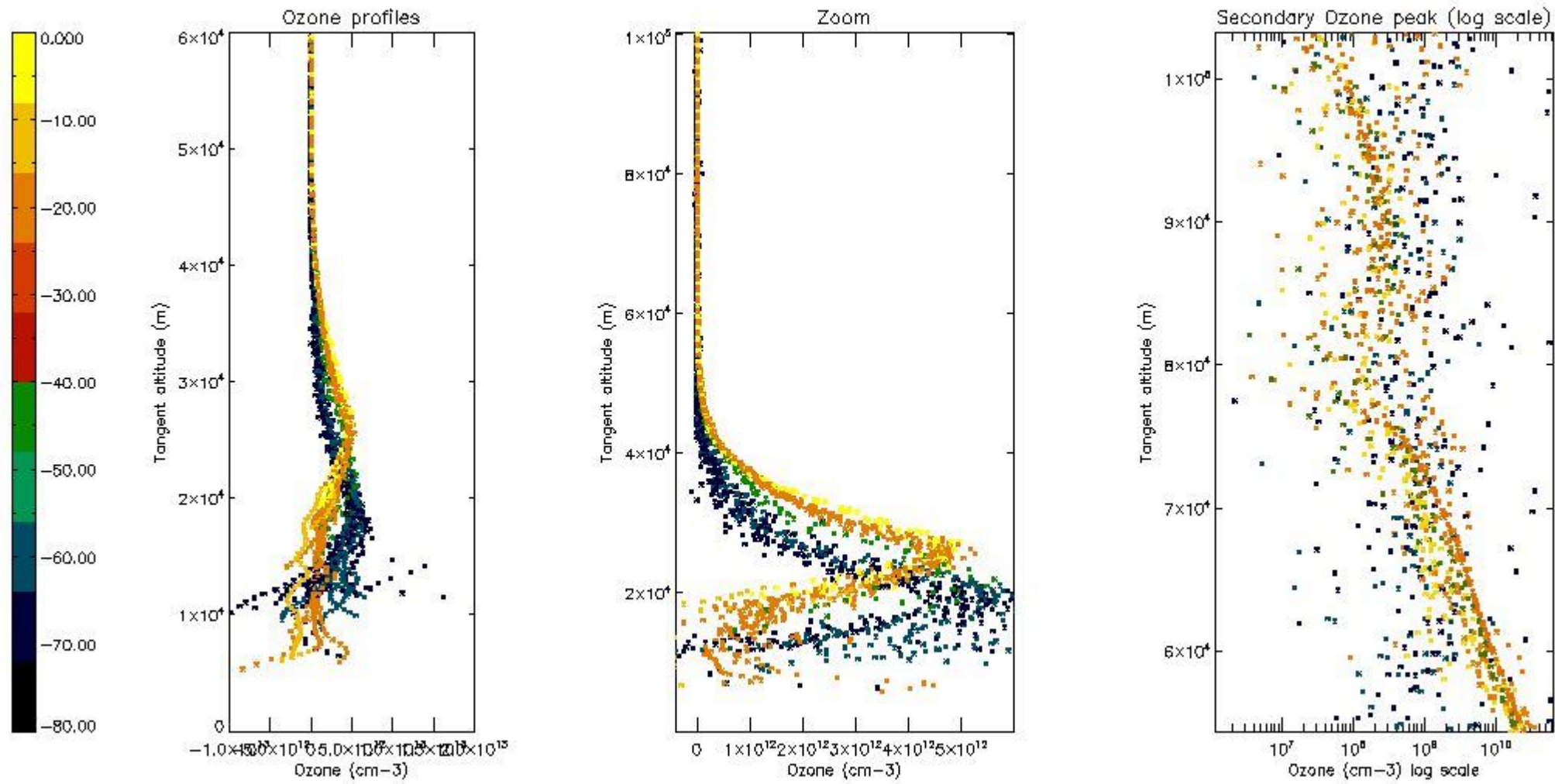
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	10

STD < 10	7
STD < 5	3

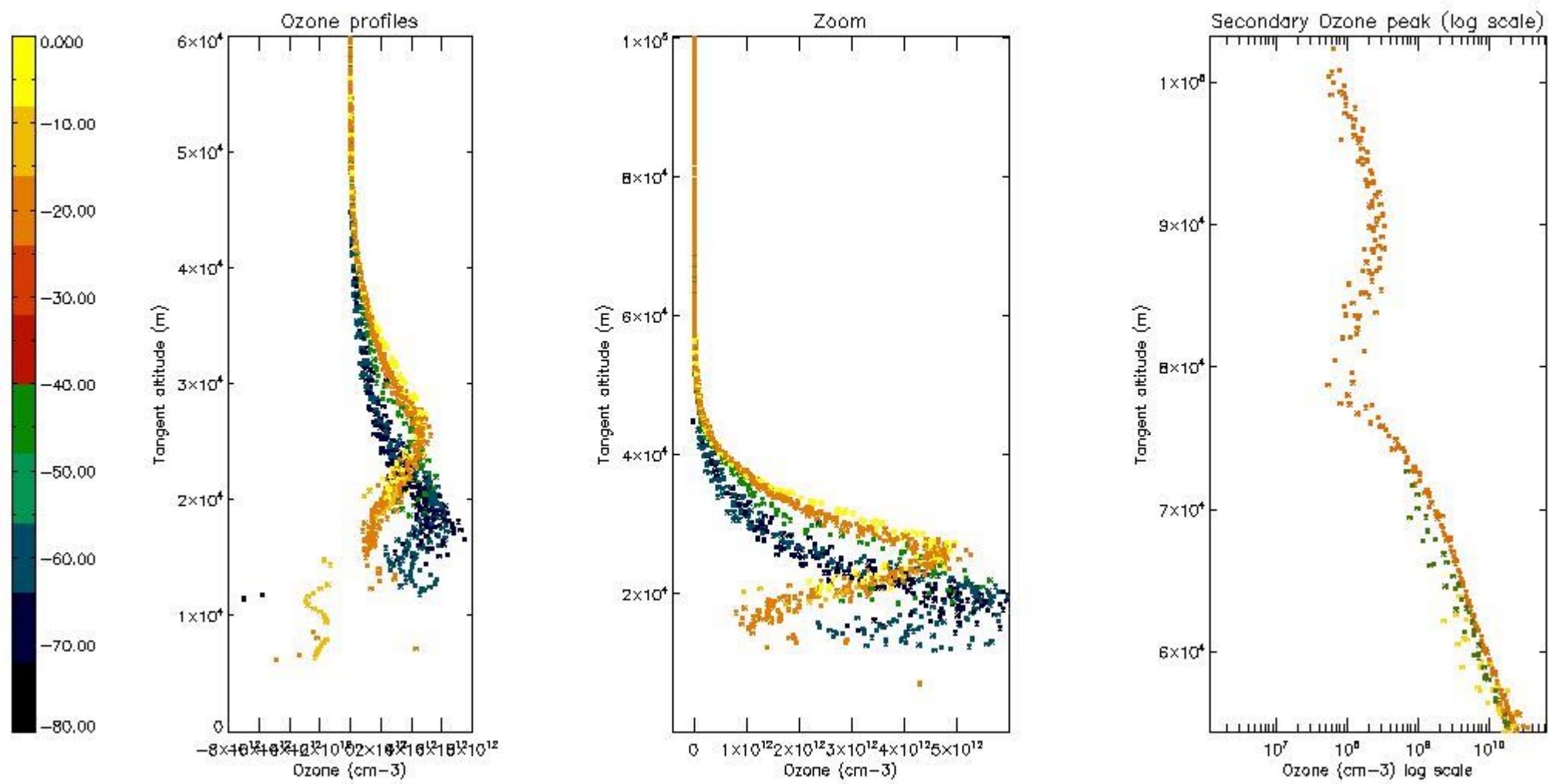
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



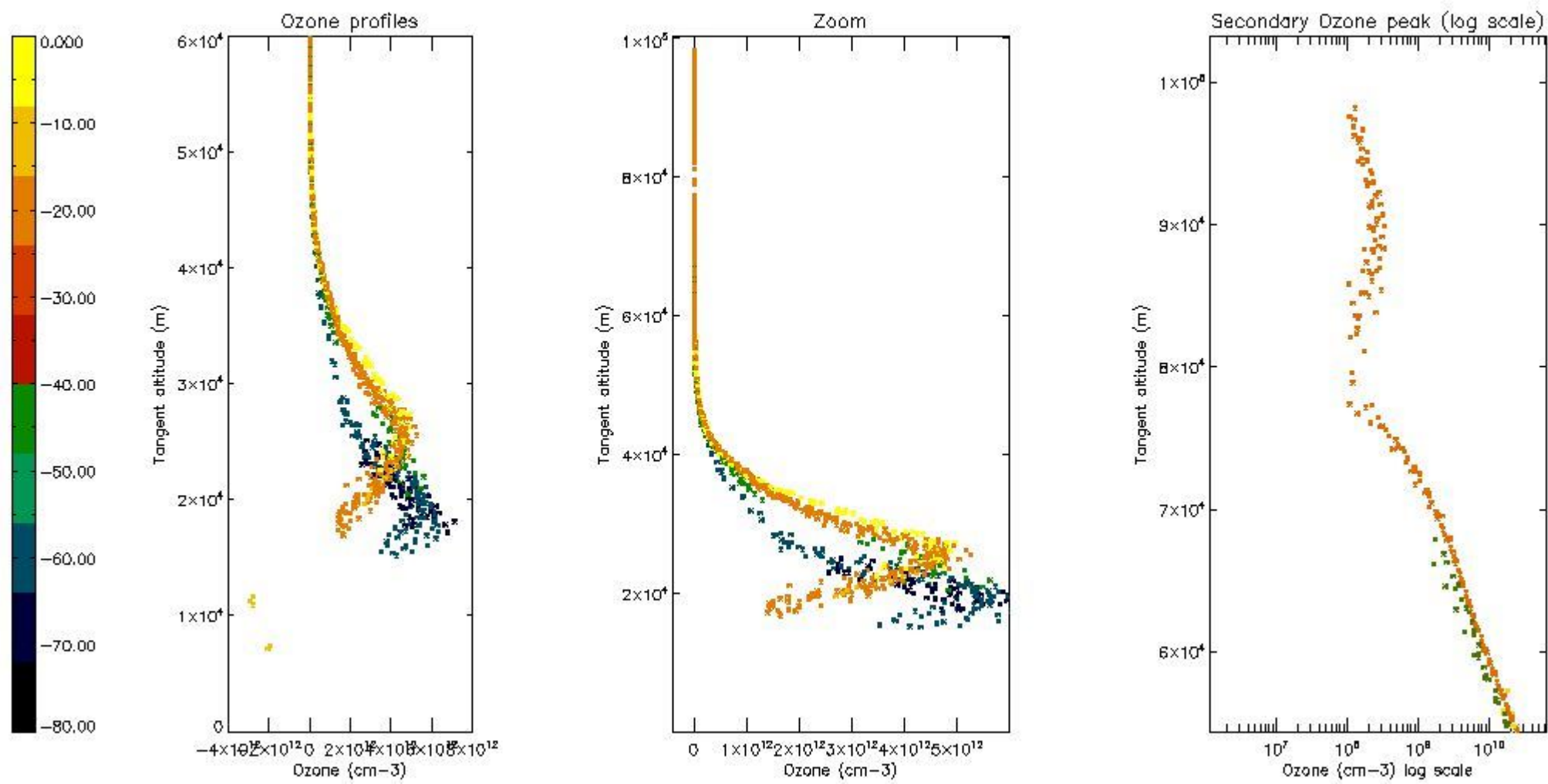
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



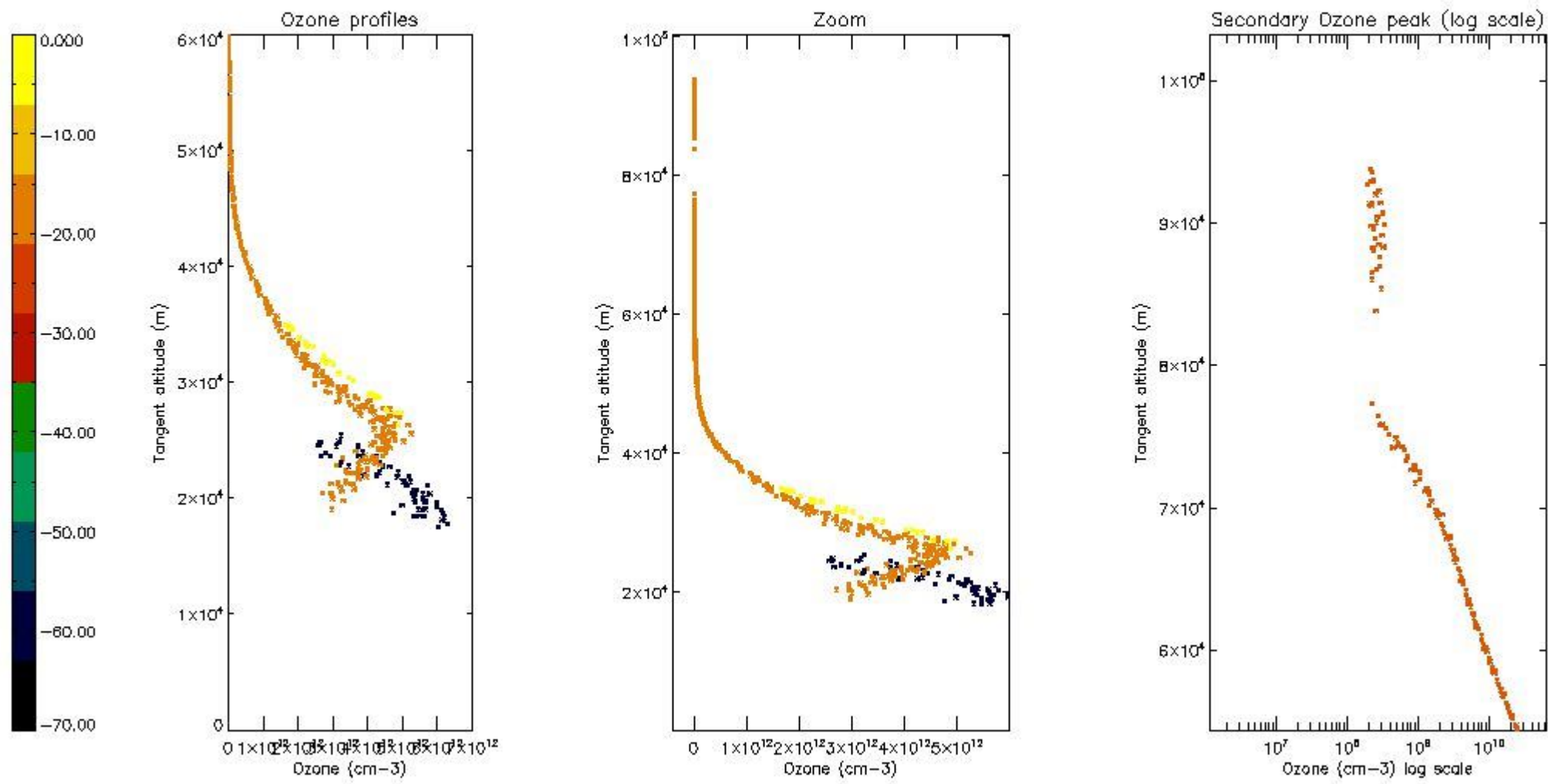
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



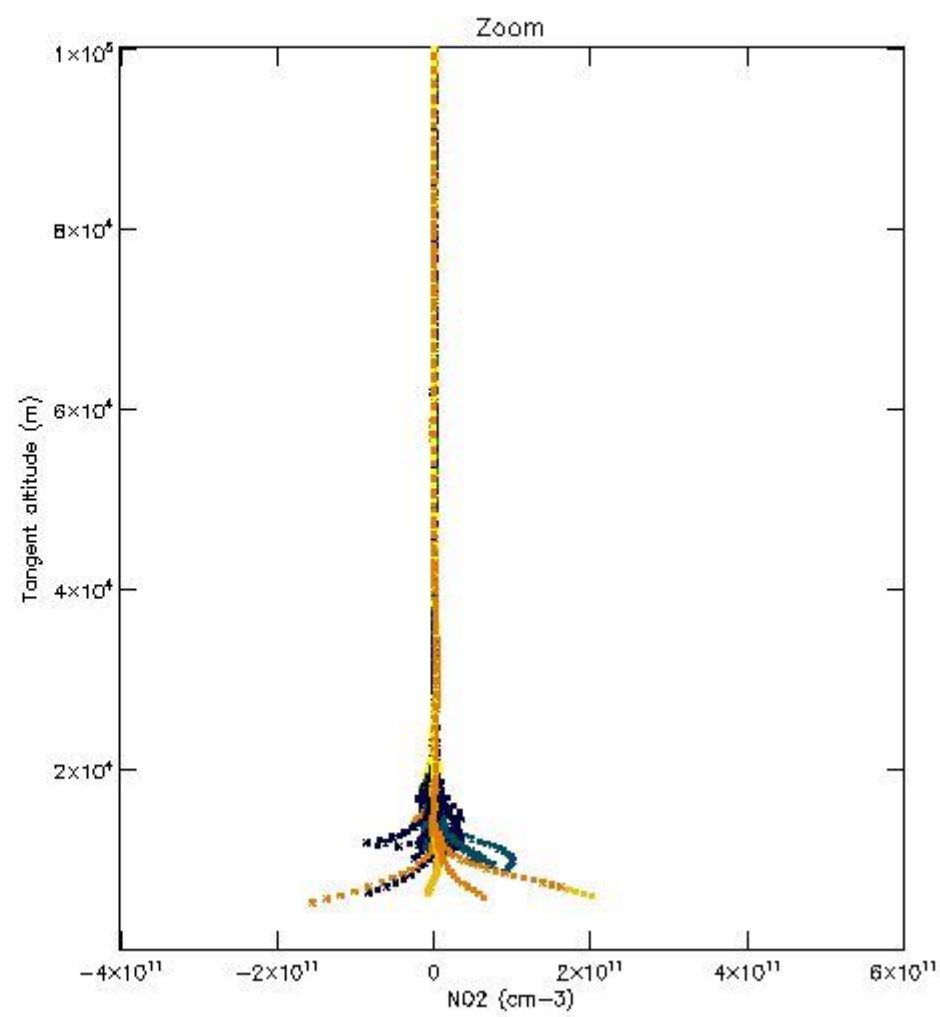
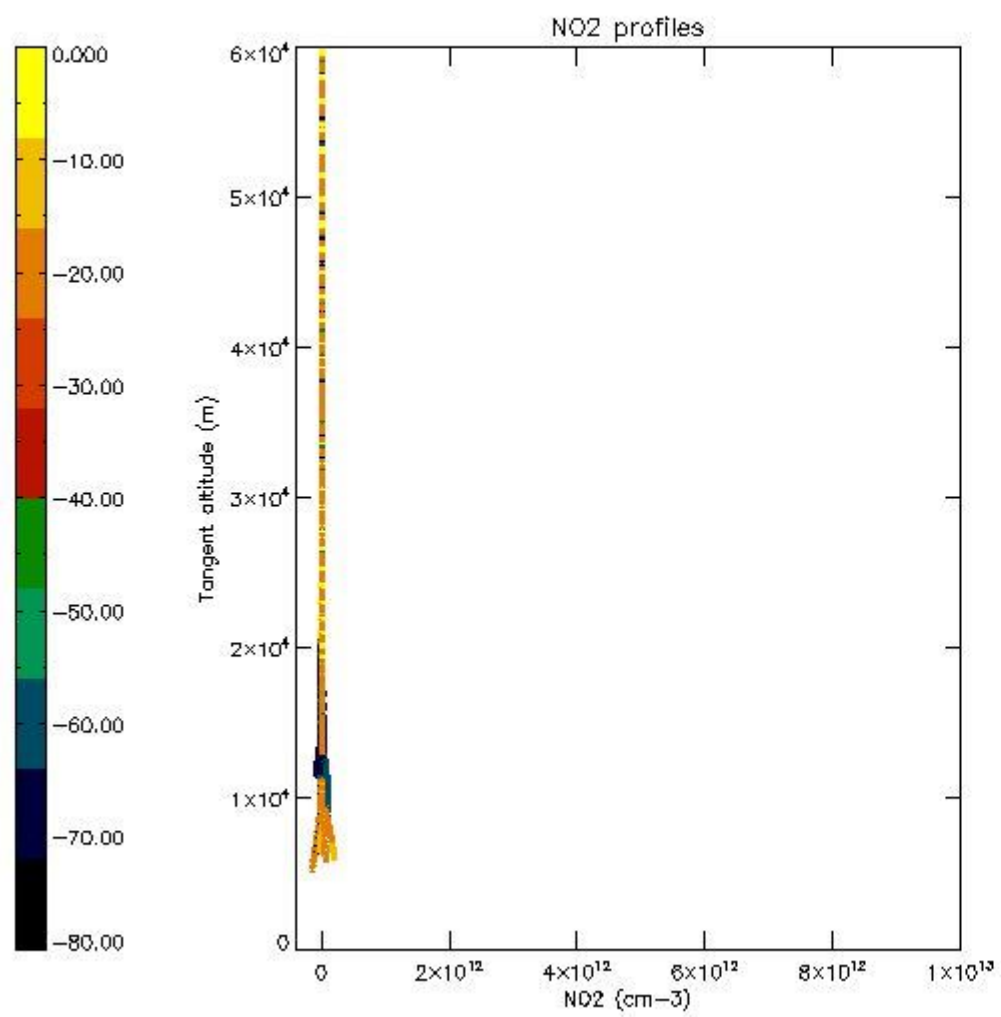
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



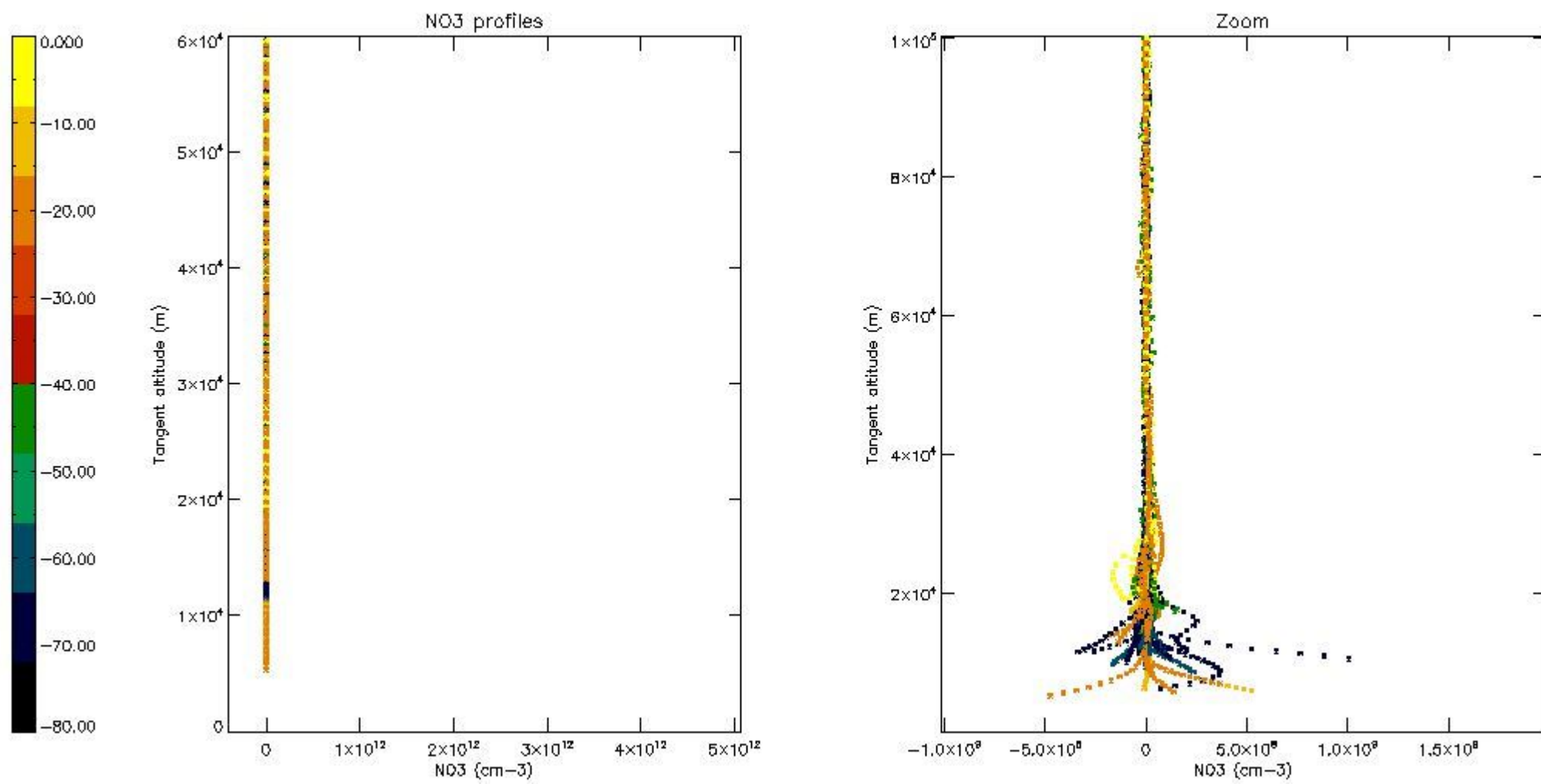
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



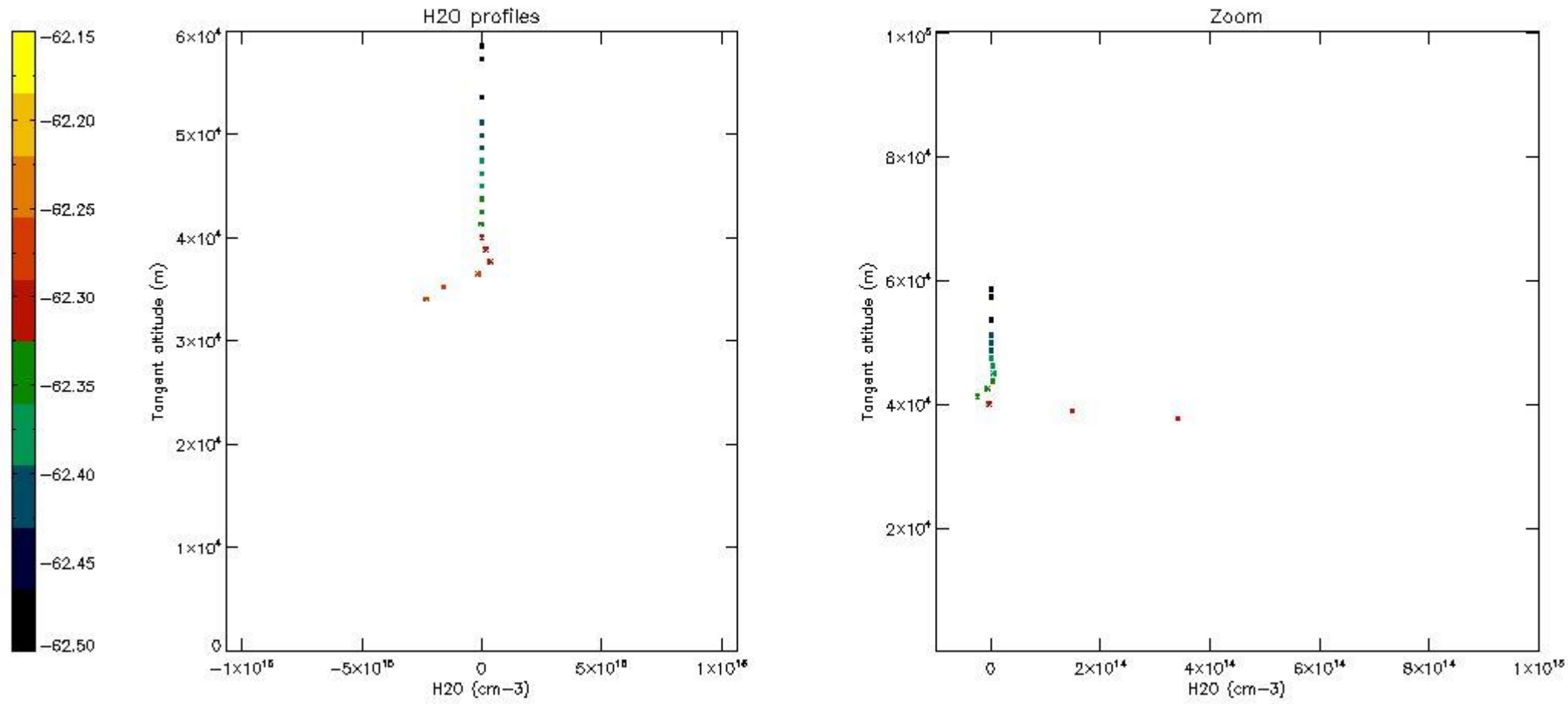
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H₂O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 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	30-JUN-2004 00:02:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JUN-2004 00:02:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JUN-2004 00:02:11

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	19APR2013 05:21:12
Data source version	GOMOS/6.01
Start time of products	30-06-2004 (30JUN2004 00:00:00)
Stop time of products	01-07-2004 (01JUL2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	182
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__2PRFIN20040630_000211_000000772028_00116_12194_2131.N1	30-JUN-2004 00:02:11	Twilight	77.000	53	43Bet And	2.0480	3300.0	154	12194	No
2	GOM_NL__2PRFIN20040630_000627_000000642028_00116_12194_2132.N1	30-JUN-2004 00:06:27	Dark	64.000	50	13Alp Ari	2.0070	4250.0	128	12194	No
3	GOM_NL__2PRFIN20040630_001124_000000502028_00116_12194_2133.N1	30-JUN-2004 00:11:24	Dark	49.500	94	92Alp Cet	2.5260	3100.0	99	12194	No
4	GOM_NL__2PRFIN20040630_001509_000000452028_00116_12194_2134.N1	30-JUN-2004 00:15:09	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	12194	No
5	GOM_NL__2PRFIN20040630_002557_000000722028_00116_12194_2135.N1	30-JUN-2004 00:25:57	Dark	72.000	52	16Bet Cet	2.0370	4500.0	144	12194	No
6	GOM_NL__2PRFIN20040630_002938_000000452028_00117_12195_2104.N1	30-JUN-2004 00:29:38	Dark	44.500	9	Alp Eri	0.45300	24000.	89	12195	No
7	GOM_NL__2PRFIN20040630_003420_000000402028_00117_12195_2105.N1	30-JUN-2004 00:34:20	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	12195	No
8	GOM_NL__2PRFIN20040630_003703_000000572028_00117_12195_2106.N1	30-JUN-2004 00:37:03	Straylight	56.500	63	Bet Gru	2.1500	2800.0	113	12195	No
9	GOM_NL__2PRFIN20040630_003901_000000632028_00117_12195_2107.N1	30-JUN-2004 00:39:01	Straylight	62.500	31	Alp Gru	1.7340	15200.	125	12195	No
10	GOM_NL__2PRFIN20040630_004126_000000442028_00117_12195_2108.N1	30-JUN-2004 00:41:26	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	12195	No
11	GOM_NL__2PRFIN20040630_004520_000000422028_00117_12195_2109.N1	30-JUN-2004 00:45:20	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	12195	No
12	GOM_NL__2PRFIN20040630_004647_000000402028_00117_12195_2110.N1	30-JUN-2004 00:46:47	Twilight	39.500	147	Alp Ara	2.8770	26000.	79	12195	No
13	GOM_NL__2PRFIN20040630_004835_000000442028_00117_12195_2111.N1	30-JUN-2004 00:48:35	Twilight	43.500	40	The Sco	1.8590	7100.0	87	12195	No
14	GOM_NL__2PRFIN20040630_005015_000000442028_00117_12195_2112.N1	30-JUN-2004 00:50:15	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	12195	No
15	GOM_NL__2PRFIN20040630_005140_000000542028_00117_12195_2113.N1	30-JUN-2004 00:51:40	Bright	54.000	116	19Del Sgr	2.7000	4100.0	108	12195	No
16	GOM_NL__2PRFIN20040630_005345_000000472028_00117_12195_2114.N1	30-JUN-2004 00:53:45	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	12195	No
17	GOM_NL__2PRFIN20040630_005627_000000392028_00117_12195_2115.N1	30-JUN-2004 00:56:27	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	12195	No
18	GOM_NL__2PRFIN20040630_005812_000000392028_00117_12195_2116.N1	30-JUN-2004 00:58:12	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	12195	No
19	GOM_NL__2PRFIN20040630_010023_000000382028_00117_12195_2117.N1	30-JUN-2004 01:00:23	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	12195	No
20	GOM_NL__2PRFIN20040630_010208_000000392028_00117_12195_2118.N1	30-JUN-2004 01:02:08	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	12195	No
21	GOM_NL__2PRFIN20040630_010428_000000402028_00117_12195_2119.N1	30-JUN-2004 01:04:28	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	12195	No
22	GOM_NL__2PRFIN20040630_010709_000000392028_00117_12195_2120.N1	30-JUN-2004 01:07:09	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	12195	No
23	GOM_NL__2PRFIN20040630_010954_000000382028_00117_12195_2121.N1	30-JUN-2004 01:09:54	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	12195	No
24	GOM_NL__2PRFIN20040630_011323_000000422028_00117_12195_2122.N1	30-JUN-2004 01:13:23	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	12195	No
25	GOM_NL__2PRFIN20040630_011557_000000392028_00117_12195_2123.N1	30-JUN-2004 01:15:57	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	12195	No
26	GOM_NL__2PRFIN20040630_011819_000000382028_00117_12195_2124.N1	30-JUN-2004 01:18:19	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	12195	No
27	GOM_NL__2PRFIN20040630_012217_000000392028_00117_12195_2125.N1	30-JUN-2004 01:22:17	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	12195	No
28	GOM_NL__2PRFIN20040630_012457_000000472028_00117_12195_2126.N1	30-JUN-2004 01:24:57	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	12195	No
29	GOM_NL__2PRFIN20040630_013217_000000502028_00117_12195_2127.N1	30-JUN-2004 01:32:17	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	12195	No
30	GOM_NL__2PRFIN20040630_013358_000000492028_00117_12195_2128.N1	30-JUN-2004 01:33:58	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	12195	No
31	GOM_NL__2PRFIN20040630_013650_000000552028_00117_12195_2129.N1	30-JUN-2004 01:36:50	Bright	55.000	160	23Gam Per	2.9300	4700.0	110	12195	No
32	GOM_NL__2PRFIN20040630_013832_000000352028_00117_12195_2130.N1	30-JUN-2004 01:38:32	Bright	35.000	175	39Del Per	3.0100	19400.	70	12195	No
33	GOM_NL__2PRFIN20040630_014015_000000492028_00117_12195_2131.N1	30-JUN-2004 01:40:15	Bright	49.000	73	57Gam1And	2.2600	13100.	98	12195	No
34	GOM_NL__2PRFIN20040630_014247_000000692028_00117_12195_2132.N1	30-JUN-2004 01:42:47	Twilight	69.000	53	43Bet And	2.0480	3300.0	138	12195	No
35	GOM_NL__2PRFIN20040630_014703_000000592028_00117_12195_2133.N1	30-JUN-2004 01:47:03	Dark	58.500	50	13Alp Ari	2.0070	4250.0	117	12195	No
36	GOM_NL__2PRFIN20040630_015201_000000552028_00117_12195_2134.N1	30-JUN-2004 01:52:01	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	12195	No
37	GOM_NL__2PRFIN20040630_015546_000000462028_00117_12195_2135.N1	30-JUN-2004 01:55:46	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	12195	No
38	GOM_NL__2PRFIN20040630_020635_000000782028_00117_12195_2136.N1	30-JUN-2004 02:06:35	Dark	77.500	52	16Bet Cet	2.0370	4500.0	155	12195	No
39	GOM_NL__2PRFIN20040630_021014_000000432028_00118_12196_2105.N1	30-JUN-2004 02:10:14	Dark	42.500	9	Alp Eri	0.45300	24000.	85	12196	No
40	GOM_NL__2PRFIN20040630_021455_000000402028_00118_12196_2106.N1	30-JUN-2004 02:14:55	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	12196	No
41	GOM_NL__2PRFIN20040630_021741_000000662028_00118_12196_2107.N1	30-JUN-2004 02:17:41	Straylight	66.000	63	Bet Gru	2.1500	2800.0	132	12196	No
42	GOM_NL__2PRFIN20040630_021938_000000502028_00118_12196_2108.N1	30-JUN-2004 02:19:38	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	12196	No

43	GOM_NL__2PRFIN20040630_022203_00000442028_00118_12196_2109.N1	30-JUN-2004 02:22:03	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	12196	No
44	GOM_NL__2PRFIN20040630_022556_00000432028_00118_12196_2110.N1	30-JUN-2004 02:25:56	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	12196	No
45	GOM_NL__2PRFIN20040630_022721_00000442028_00118_12196_2111.N1	30-JUN-2004 02:27:21	Tw_i_and_stray	43.500	147	Alp Ara	2.8770	26000.	87	12196	No
46	GOM_NL__2PRFIN20040630_022911_00000422028_00118_12196_2112.N1	30-JUN-2004 02:29:11	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	12196	No
47	GOM_NL__2PRFIN20040630_023051_00000462028_00118_12196_2113.N1	30-JUN-2004 02:30:51	Tw_i_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	12196	No
48	GOM_NL__2PRFIN20040630_023216_00000552028_00118_12196_2114.N1	30-JUN-2004 02:32:16	Bright	55.000	116	19Del Sgr	2.7000	4100.0	110	12196	No
49	GOM_NL__2PRFIN20040630_023421_00000472028_00118_12196_2115.N1	30-JUN-2004 02:34:21	Bright	47.000	155	41Pi Sgr	2.9000	6600.0	94	12196	No
50	GOM_NL__2PRFIN20040630_023701_00000422028_00118_12196_2116.N1	30-JUN-2004 02:37:01	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	12196	No
51	GOM_NL__2PRFIN20040630_023848_00000392028_00118_12196_2117.N1	30-JUN-2004 02:38:48	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	12196	No
52	GOM_NL__2PRFIN20040630_024058_00000402028_00118_12196_2118.N1	30-JUN-2004 02:40:58	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	12196	No
53	GOM_NL__2PRFIN20040630_024244_00000392028_00118_12196_2119.N1	30-JUN-2004 02:42:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	12196	No
54	GOM_NL__2PRFIN20040630_024504_00000402028_00118_12196_2120.N1	30-JUN-2004 02:45:04	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	12196	No
55	GOM_NL__2PRFIN20040630_024745_00000382028_00118_12196_2121.N1	30-JUN-2004 02:47:45	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	12196	No
56	GOM_NL__2PRFIN20040630_025030_00000382028_00118_12196_2122.N1	30-JUN-2004 02:50:30	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	12196	No
57	GOM_NL__2PRFIN20040630_025358_00000482028_00118_12196_2123.N1	30-JUN-2004 02:53:58	Bright	47.500	5	3Alp Lyr	0.033000	11000.	95	12196	No
58	GOM_NL__2PRFIN20040630_025633_00000372028_00118_12196_2124.N1	30-JUN-2004 02:56:33	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	12196	No
59	GOM_NL__2PRFIN20040630_025854_00000382028_00118_12196_2125.N1	30-JUN-2004 02:58:54	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	12196	No
60	GOM_NL__2PRFIN20040630_030253_00000382028_00118_12196_2126.N1	30-JUN-2004 03:02:53	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	12196	No
61	GOM_NL__2PRFIN20040630_030532_00000462028_00118_12196_2127.N1	30-JUN-2004 03:05:32	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	12196	No
62	GOM_NL__2PRFIN20040630_031251_00000502028_00118_12196_2128.N1	30-JUN-2004 03:12:51	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	12196	No
63	GOM_NL__2PRFIN20040630_031433_00000502028_00118_12196_2129.N1	30-JUN-2004 03:14:33	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	12196	No
64	GOM_NL__2PRFIN20040630_031726_00000372028_00118_12196_2130.N1	30-JUN-2004 03:17:26	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	12196	No
65	GOM_NL__2PRFIN20040630_031908_00000442028_00118_12196_2131.N1	30-JUN-2004 03:19:08	Bright	44.000	175	39Del Per	3.0100	19400.	88	12196	No
66	GOM_NL__2PRFIN20040630_032051_00000482028_00118_12196_2132.N1	30-JUN-2004 03:20:51	Bright	48.000	73	57Gam1And	2.2600	13100.	96	12196	No
67	GOM_NL__2PRFIN20040630_032323_00000742028_00118_12196_2133.N1	30-JUN-2004 03:23:23	Tw_i_and_stray	73.500	53	43Bet And	2.0480	3300.0	147	12196	No
68	GOM_NL__2PRFIN20040630_032737_00000642028_00118_12196_2134.N1	30-JUN-2004 03:27:37	Dark	64.000	50	13Alp Ari	2.0070	4250.0	128	12196	No
69	GOM_NL__2PRFIN20040630_033237_00000502028_00118_12196_2135.N1	30-JUN-2004 03:32:37	Dark	50.000	94	92Alp Cet	2.5260	3100.0	100	12196	No
70	GOM_NL__2PRFIN20040630_033622_00000452028_00118_12196_2136.N1	30-JUN-2004 03:36:22	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	12196	No
71	GOM_NL__2PRFIN20040630_034444_00000412028_00118_12196_2137.N1	30-JUN-2004 03:44:44	Dark	41.000	157	The1Eri	2.9060	9300.0	82	12196	No
72	GOM_NL__2PRFIN20040630_034712_00000922028_00118_12196_2138.N1	30-JUN-2004 03:47:12	Dark	91.500	52	16Bet Cet	2.0370	4500.0	183	12196	No
73	GOM_NL__2PRFIN20040630_035051_00000502028_00119_12197_2105.N1	30-JUN-2004 03:50:51	Dark	49.500	9	Alp Eri	0.45300	24000.	99	12197	No
74	GOM_NL__2PRFIN20040630_035532_00000392028_00119_12197_2106.N1	30-JUN-2004 03:55:32	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12197	No
75	GOM_NL__2PRFIN20040630_035817_00000562028_00119_12197_2107.N1	30-JUN-2004 03:58:17	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	12197	No
76	GOM_NL__2PRFIN20040630_040014_00000512028_00119_12197_2108.N1	30-JUN-2004 04:00:14	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	12197	No
77	GOM_NL__2PRFIN20040630_040239_00000442028_00119_12197_2109.N1	30-JUN-2004 04:02:39	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	12197	No
78	GOM_NL__2PRFIN20040630_040632_00000422028_00119_12197_2110.N1	30-JUN-2004 04:06:32	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	12197	No
79	GOM_NL__2PRFIN20040630_040759_00000392028_00119_12197_2111.N1	30-JUN-2004 04:07:59	Tw_i_and_stray	39.000	147	Alp Ara	2.8770	26000.	78	12197	No
80	GOM_NL__2PRFIN20040630_040948_00000442028_00119_12197_2112.N1	30-JUN-2004 04:09:48	Tw_i_and_stray	43.500	40	The Sco	1.8590	7100.0	87	12197	No
81	GOM_NL__2PRFIN20040630_041128_00000432028_00119_12197_2113.N1	30-JUN-2004 04:11:28	Tw_i_and_stray	42.500	25	35Lam Sco	1.6200	28000.	85	12197	No
82	GOM_NL__2PRFIN20040630_041252_00000492028_00119_12197_2114.N1	30-JUN-2004 04:12:52	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	12197	No
83	GOM_NL__2PRFIN20040630_041457_00000482028_00119_12197_2115.N1	30-JUN-2004 04:14:57	Bright	48.000	155	41Pi Sgr	2.9000	6600.0	96	12197	No
84	GOM_NL__2PRFIN20040630_041739_00000402028_00119_12197_2116.N1	30-JUN-2004 04:17:39	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	12197	No
85	GOM_NL__2PRFIN20040630_041925_00000382028_00119_12197_2117.N1	30-JUN-2004 04:19:25	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	12197	No
86	GOM_NL__2PRFIN20040630_042135_00000382028_00119_12197_2118.N1	30-JUN-2004 04:21:35	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	12197	No
87	GOM_NL__2PRFIN20040630_042320_00000392028_00119_12197_2119.N1	30-JUN-2004 04:23:20	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	12197	No
88	GOM_NL__2PRFIN20040630_042540_00000392028_00119_12197_2120.N1	30-JUN-2004 04:25:40	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	12197	No
89	GOM_NL__2PRFIN20040630_042821_00000392028_00119_12197_2121.N1	30-JUN-2004 04:28:21	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	12197	No
90	GOM_NL__2PRFIN20040630_043106_00000382028_00119_12197_2122.N1	30-JUN-2004 04:31:06	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	12197	No
91	GOM_NL__2PRFIN20040630_043434_00000492028_00119_12197_2123.N1	30-JUN-2004 04:34:34	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	12197	No
92	GOM_NL__2PRFIN20040630_043709_00000392028_00119_12197_2124.N1	30-JUN-2004 04:37:09	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	12197	No
93	GOM_NL__2PRFIN20040630_043930_00000382028_00119_12197_2125.N1	30-JUN-2004 04:39:30	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	12197	No
94	GOM_NL__2PRFIN20040630_044329_00000382028_00119_12197_2126.N1	30-JUN-2004 04:43:29	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	12197	No
95	GOM_NL__2PRFIN20040630_044607_00000452028_00119_12197_2127.N1	30-JUN-2004 04:46:07	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	12197	No
96	GOM_NL__2PRFIN20040630_045327_00000492028_00119_12197_2128.N1	30-JUN-2004 04:53:27	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	12197	No
97	GOM_NL__2PRFIN20040630_045509_00000502028_00119_12197_2129.N1	30-JUN-2004 04:55:09	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	12197	No
98	GOM_NL__2PRFIN20040630_045802_00000482028_00119_12197_2130.N1	30-JUN-2004 04:58:02	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	12197	No
99	GOM_NL__2PRFIN20040630_045944_00000402028_00119_12197_2131.N1	30-JUN-2004 04:59:44	Bright	40.000	175	39Del Per	3.0100	19400.	80	12197	No
100	GOM_NL__2PRFIN20040630_050126_00000502028_00119_12197_2132.N1	30-JUN-2004 05:01:26	Bright	50.000	73	57Gam1And	2.2600	13100.	100	12197	No
101	GOM_NL__2PRFIN20040630_050359_00000752028_00119_12197_2133.N1	30-JUN-2004 05:03:59	Tw_i_and_stray	75.000	53	43Bet And	2.0480	3300.0	150	12197	No

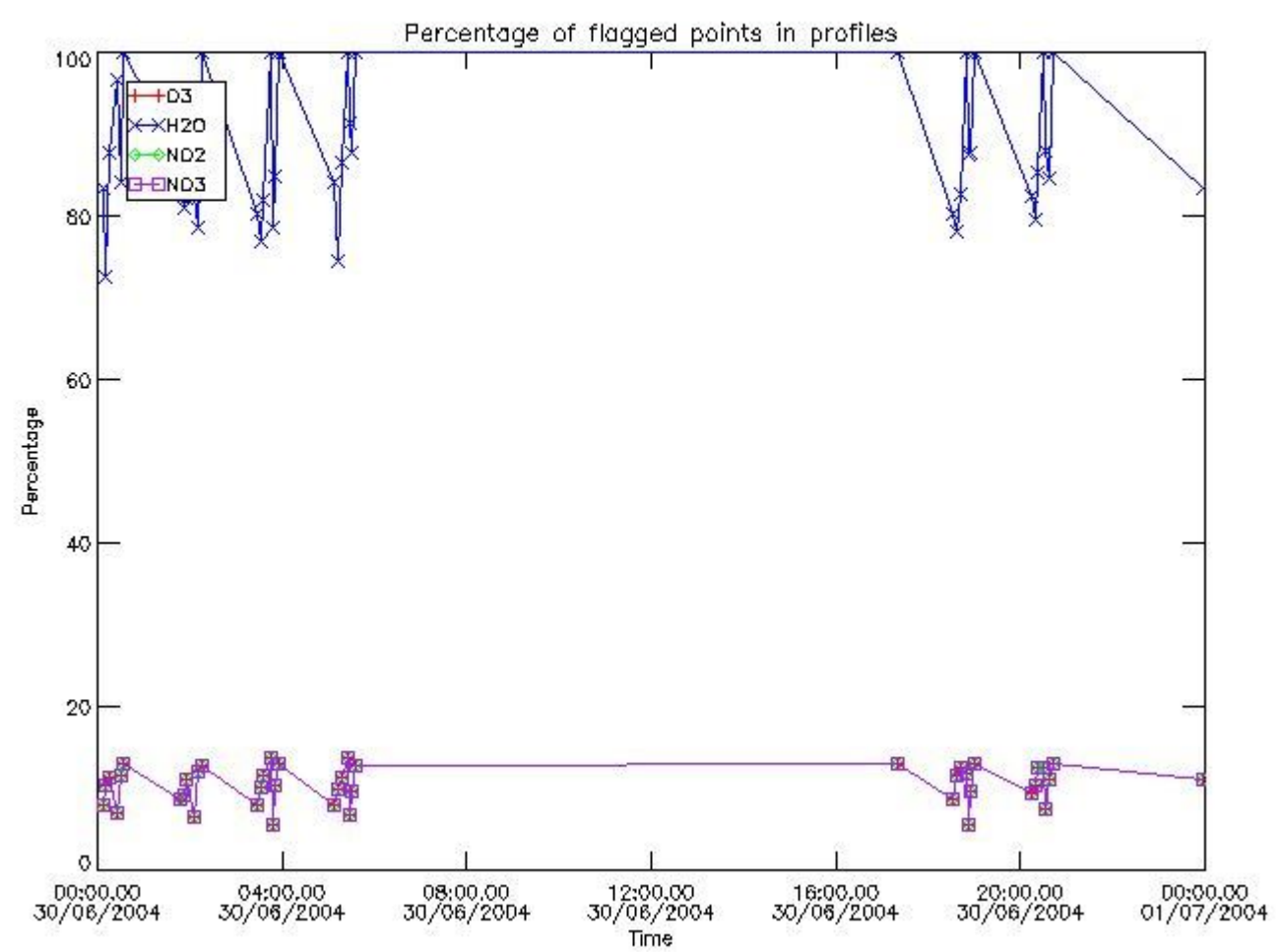
102	GOM_NL__2PRFIN20040630_050815_000000642028_00119_12197_2134.N1	30-JUN-2004 05:08:15	Dark	63.500	50	13Alp Ari	2.0070	4250.0	127	12197	No
103	GOM_NL__2PRFIN20040630_051313_000000522028_00119_12197_2135.N1	30-JUN-2004 05:13:13	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	12197	No
104	GOM_NL__2PRFIN20040630_051657_000000452028_00119_12197_2136.N1	30-JUN-2004 05:16:57	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	12197	No
105	GOM_NL__2PRFIN20040630_052520_000000412028_00119_12197_2137.N1	30-JUN-2004 05:25:20	Dark	41.000	157	The1Eri	2.9060	9300.0	82	12197	No
106	GOM_NL__2PRFIN20040630_052749_000000752028_00119_12197_2138.N1	30-JUN-2004 05:27:49	Dark	75.000	52	16Bet Cet	2.0370	4500.0	150	12197	No
107	GOM_NL__2PRFIN20040630_053128_000000532028_00120_12198_2105.N1	30-JUN-2004 05:31:28	Dark	53.000	9	Alp Eri	0.45300	24000.	106	12198	No
108	GOM_NL__2PRFIN20040630_053608_000000402028_00120_12198_2106.N1	30-JUN-2004 05:36:08	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	12198	No
109	GOM_NL__2PRFIN20040630_053854_000000542028_00120_12198_2107.N1	30-JUN-2004 05:38:54	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	12198	No
110	GOM_NL__2PRFIN20040630_054051_000000512028_00120_12198_2108.N1	30-JUN-2004 05:40:51	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	12198	No
111	GOM_NL__2PRFIN20040630_054316_000000442028_00120_12198_2109.N1	30-JUN-2004 05:43:16	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	12198	No
112	GOM_NL__2PRFIN20040630_172021_000000392028_00127_12205_2116.N1	30-JUN-2004 17:20:21	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12205	No
113	GOM_NL__2PRFIN20040630_172309_000000442028_00127_12205_2117.N1	30-JUN-2004 17:23:09	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	12205	No
114	GOM_NL__2PRFIN20040630_172445_000000862028_00127_12205_2118.N1	30-JUN-2004 17:24:45	Straylight	86.000	18	24Alp PsA	1.1660	9700.0	172	12205	No
115	GOM_NL__2PRFIN20040630_172731_000000452028_00127_12205_2119.N1	30-JUN-2004 17:27:31	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	12205	No
116	GOM_NL__2PRFIN20040630_173121_000000472028_00127_12205_2120.N1	30-JUN-2004 17:31:21	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	12205	No
117	GOM_NL__2PRFIN20040630_173248_000000402028_00127_12205_2121.N1	30-JUN-2004 17:32:48	Twi_and_stray	39.500	147	Alp Ara	2.8770	26000.	79	12205	No
118	GOM_NL__2PRFIN20040630_173437_000000412028_00127_12205_2122.N1	30-JUN-2004 17:34:37	Twi_and_stray	40.500	40	The Sco	1.8590	7100.0	81	12205	No
119	GOM_NL__2PRFIN20040630_173616_000000422028_00127_12205_2123.N1	30-JUN-2004 17:36:16	Twi_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	12205	No
120	GOM_NL__2PRFIN20040630_173741_000000472028_00127_12205_2124.N1	30-JUN-2004 17:37:41	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	12205	No
121	GOM_NL__2PRFIN20040630_173946_000000482028_00127_12205_2125.N1	30-JUN-2004 17:39:46	Bright	47.500	155	41Pi Sgr	2.9000	6600.0	95	12205	No
122	GOM_NL__2PRFIN20040630_174228_000000392028_00127_12205_2126.N1	30-JUN-2004 17:42:28	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	12205	No
123	GOM_NL__2PRFIN20040630_174414_000000382028_00127_12205_2127.N1	30-JUN-2004 17:44:14	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	12205	No
124	GOM_NL__2PRFIN20040630_174622_000000412028_00127_12205_2128.N1	30-JUN-2004 17:46:22	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	12205	No
125	GOM_NL__2PRFIN20040630_174807_000000402028_00127_12205_2129.N1	30-JUN-2004 17:48:07	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	12205	No
126	GOM_NL__2PRFIN20040630_175028_000000392028_00127_12205_2130.N1	30-JUN-2004 17:50:28	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	12205	No
127	GOM_NL__2PRFIN20040630_175309_000000382028_00127_12205_2131.N1	30-JUN-2004 17:53:09	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	12205	No
128	GOM_NL__2PRFIN20040630_175554_000000392028_00127_12205_2132.N1	30-JUN-2004 17:55:54	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	12205	No
129	GOM_NL__2PRFIN20040630_175917_000000452028_00127_12205_2133.N1	30-JUN-2004 17:59:17	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	12205	No
130	GOM_NL__2PRFIN20040630_180155_000000392028_00127_12205_2134.N1	30-JUN-2004 18:01:55	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	12205	No
131	GOM_NL__2PRFIN20040630_180418_000000392028_00127_12205_2135.N1	30-JUN-2004 18:04:18	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	12205	No
132	GOM_NL__2PRFIN20040630_180817_000000382028_00127_12205_2136.N1	30-JUN-2004 18:08:17	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	12205	No
133	GOM_NL__2PRFIN20040630_181050_000000462028_00127_12205_2137.N1	30-JUN-2004 18:10:50	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	12205	No
134	GOM_NL__2PRFIN20040630_181230_000000392028_00127_12205_2138.N1	30-JUN-2004 18:12:30	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	12205	No
135	GOM_NL__2PRFIN20040630_182248_000000392028_00127_12205_2139.N1	30-JUN-2004 18:22:48	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	12205	No
136	GOM_NL__2PRFIN20040630_182431_000000372028_00127_12205_2140.N1	30-JUN-2004 18:24:31	Bright	36.500	175	39Del Per	3.0100	19400.	73	12205	No
137	GOM_NL__2PRFIN20040630_182613_000000532028_00127_12205_2141.N1	30-JUN-2004 18:26:13	Bright	52.500	73	57Gam1And	2.2600	13100.	105	12205	No
138	GOM_NL__2PRFIN20040630_182847_000000742028_00127_12205_2142.N1	30-JUN-2004 18:28:47	Twi_and_stray	74.000	53	43Bet And	2.0480	3300.0	148	12205	No
139	GOM_NL__2PRFIN20040630_183306_000000592028_00127_12205_2143.N1	30-JUN-2004 18:33:06	Dark	59.000	50	13Alp Ari	2.0070	4250.0	118	12205	No
140	GOM_NL__2PRFIN20040630_183803_000000442028_00127_12205_2144.N1	30-JUN-2004 18:38:03	Dark	44.000	94	92Alp Cet	2.5260	3100.0	88	12205	No
141	GOM_NL__2PRFIN20040630_184146_000000412028_00127_12205_2145.N1	30-JUN-2004 18:41:46	Dark	41.000	165	34Gam Eri	2.9500	3200.0	82	12205	No
142	GOM_NL__2PRFIN20040630_185011_000000442028_00127_12205_2146.N1	30-JUN-2004 18:50:11	Dark	43.500	157	The1Eri	2.9060	9300.0	87	12205	No
143	GOM_NL__2PRFIN20040630_185252_000000922028_00127_12205_2147.N1	30-JUN-2004 18:52:52	Dark	92.000	52	16Bet Cet	2.0370	4500.0	184	12205	No
144	GOM_NL__2PRFIN20040630_185618_000000542028_00128_12206_2118.N1	30-JUN-2004 18:56:18	Dark	53.500	9	Alp Eri	0.45300	24000.	107	12206	No
145	GOM_NL__2PRFIN20040630_190058_000000392028_00128_12206_2119.N1	30-JUN-2004 19:00:58	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12206	No
146	GOM_NL__2PRFIN20040630_190347_000000472028_00128_12206_2120.N1	30-JUN-2004 19:03:47	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	12206	No
147	GOM_NL__2PRFIN20040630_190522_000001022028_00128_12206_2121.N1	30-JUN-2004 19:05:22	Straylight	102.00	18	24Alp PsA	1.1660	9700.0	204	12206	No
148	GOM_NL__2PRFIN20040630_190808_000000432028_00128_12206_2122.N1	30-JUN-2004 19:08:08	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	12206	No
149	GOM_NL__2PRFIN20040630_191158_000000442028_00128_12206_2123.N1	30-JUN-2004 19:11:58	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	12206	No
150	GOM_NL__2PRFIN20040630_191325_000000392028_00128_12206_2124.N1	30-JUN-2004 19:13:25	Twi_and_stray	38.500	147	Alp Ara	2.8770	26000.	77	12206	No
151	GOM_NL__2PRFIN20040630_191514_000000462028_00128_12206_2125.N1	30-JUN-2004 19:15:14	Twi_and_stray	46.000	40	The Sco	1.8590	7100.0	92	12206	No
152	GOM_NL__2PRFIN20040630_191652_000000432028_00128_12206_2126.N1	30-JUN-2004 19:16:52	Twi_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	12206	No
153	GOM_NL__2PRFIN20040630_191818_000000492028_00128_12206_2127.N1	30-JUN-2004 19:18:18	Bright	48.500	116	19Del Sgr	2.7000	4100.0	97	12206	No
154	GOM_NL__2PRFIN20040630_192023_000000452028_00128_12206_2128.N1	30-JUN-2004 19:20:23	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	12206	No
155	GOM_NL__2PRFIN20040630_192305_000000392028_00128_12206_2129.N1	30-JUN-2004 19:23:05	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	12206	No
156	GOM_NL__2PRFIN20040630_192451_000000382028_00128_12206_2130.N1	30-JUN-2004 19:24:51	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	12206	No
157	GOM_NL__2PRFIN20040630_192700_000000392028_00128_12206_2131.N1	30-JUN-2004 19:27:00	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	12206	No
158	GOM_NL__2PRFIN20040630_192844_000000392028_00128_12206_2132.N1	30-JUN-2004 19:28:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	12206	No
159	GOM_NL__2PRFIN20040630_193104_000000392028_00128_12206_2133.N1	30-JUN-2004 19:31:04	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	12206	No
160	GOM_NL__2PRFIN20040630_193346_000000392028_00128_12206_2134.N1	30-JUN-2004 19:33:46	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	12206	No

161	GOM_NL__2PRFIN20040630_193631_000000362028_00128_12206_2135.N1	30-JUN-2004 19:36:31	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	12206	No
162	GOM_NL__2PRFIN20040630_193953_000000442028_00128_12206_2136.N1	30-JUN-2004 19:39:53	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	12206	No
163	GOM_NL__2PRFIN20040630_194231_000000402028_00128_12206_2137.N1	30-JUN-2004 19:42:31	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	12206	No
164	GOM_NL__2PRFIN20040630_194455_000000382028_00128_12206_2138.N1	30-JUN-2004 19:44:55	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	12206	No
165	GOM_NL__2PRFIN20040630_194854_000000392028_00128_12206_2139.N1	30-JUN-2004 19:48:54	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	12206	No
166	GOM_NL__2PRFIN20040630_195125_000000432028_00128_12206_2140.N1	30-JUN-2004 19:51:25	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	12206	No
167	GOM_NL__2PRFIN20040630_195307_000000382028_00128_12206_2141.N1	30-JUN-2004 19:53:07	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	12206	No
168	GOM_NL__2PRFIN20040630_200325_000000392028_00128_12206_2142.N1	30-JUN-2004 20:03:25	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	12206	No
169	GOM_NL__2PRFIN20040630_200508_000000352028_00128_12206_2143.N1	30-JUN-2004 20:05:08	Bright	34.500	175	39Del Per	3.0100	19400.	69	12206	No
170	GOM_NL__2PRFIN20040630_200649_000000472028_00128_12206_2144.N1	30-JUN-2004 20:06:49	Bright	47.000	73	57Gam1And	2.2600	13100.	94	12206	No
171	GOM_NL__2PRFIN20040630_200922_000000802028_00128_12206_2145.N1	30-JUN-2004 20:09:22	Twilight	80.000	53	43Bet And	2.0480	3300.0	160	12206	No
172	GOM_NL__2PRFIN20040630_201342_000000602028_00128_12206_2146.N1	30-JUN-2004 20:13:42	Dark	60.000	50	13Alp Ari	2.0070	4250.0	120	12206	No
173	GOM_NL__2PRFIN20040630_201840_000000492028_00128_12206_2147.N1	30-JUN-2004 20:18:40	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	12206	No
174	GOM_NL__2PRFIN20040630_202223_000000452028_00128_12206_2148.N1	30-JUN-2004 20:22:23	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	12206	No
175	GOM_NL__2PRFIN20040630_203048_000000412028_00128_12206_2149.N1	30-JUN-2004 20:30:48	Dark	41.000	157	The1Eri	2.9060	9300.0	82	12206	No
176	GOM_NL__2PRFIN20040630_203330_000000752028_00128_12206_2150.N1	30-JUN-2004 20:33:30	Dark	74.500	52	16Bet Cet	2.0370	4500.0	149	12206	No
177	GOM_NL__2PRFIN20040630_203656_000000462028_00129_12207_2139.N1	30-JUN-2004 20:36:56	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12207	No
178	GOM_NL__2PRFIN20040630_204134_000000392028_00129_12207_2140.N1	30-JUN-2004 20:41:34	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12207	No
179	GOM_NL__2PRFIN20040630_204423_000000452028_00129_12207_2141.N1	30-JUN-2004 20:44:23	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	12207	No
180	GOM_NL__2PRFIN20040630_204600_000000982028_00129_12207_2142.N1	30-JUN-2004 20:46:00	Straylight	97.500	18	24Alp PsA	1.1660	9700.0	195	12207	No
181	GOM_NL__2PRFIN20040630_204844_000000432028_00129_12207_2143.N1	30-JUN-2004 20:48:44	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	12207	No
182	GOM_NL__2PRFIN20040630_235808_000000462028_00131_12209_2250.N1	30-JUN-2004 23:58:08	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12209	No

3. Quality information per product

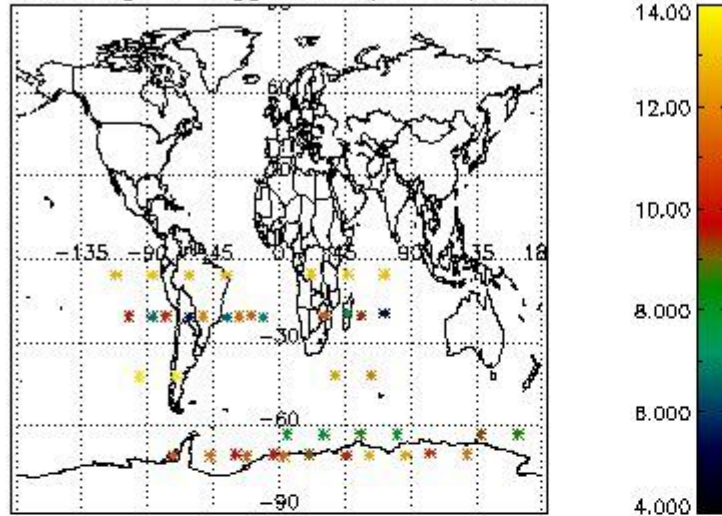
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

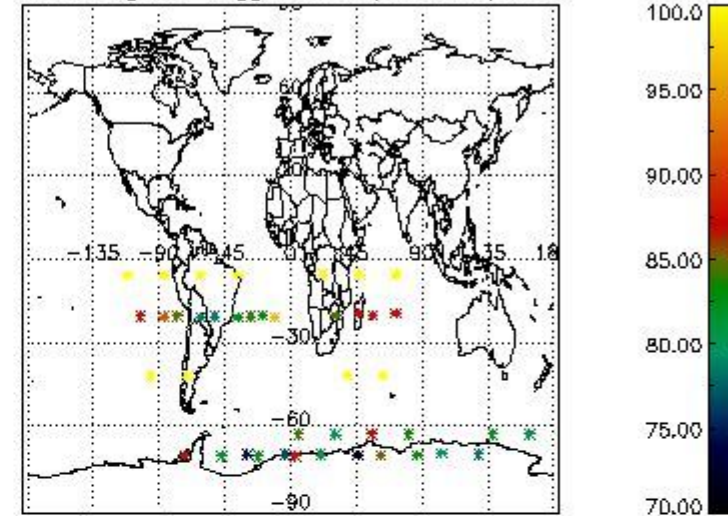


3.2 Plot quality information per product (world map)

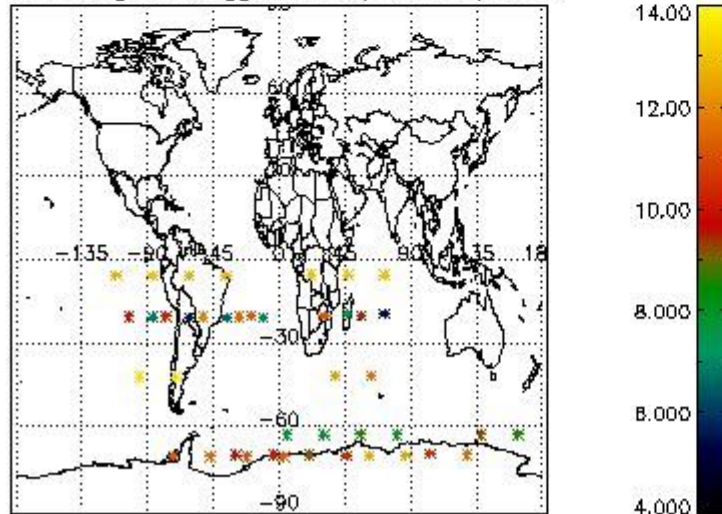
Percentage of flagged data per O3 profile



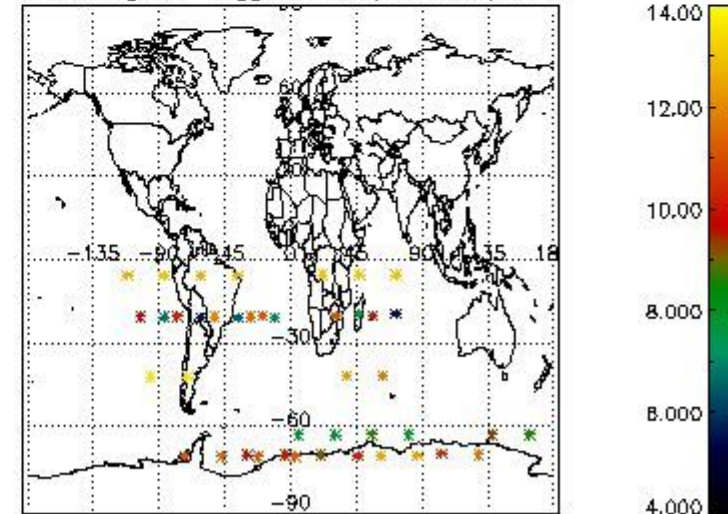
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

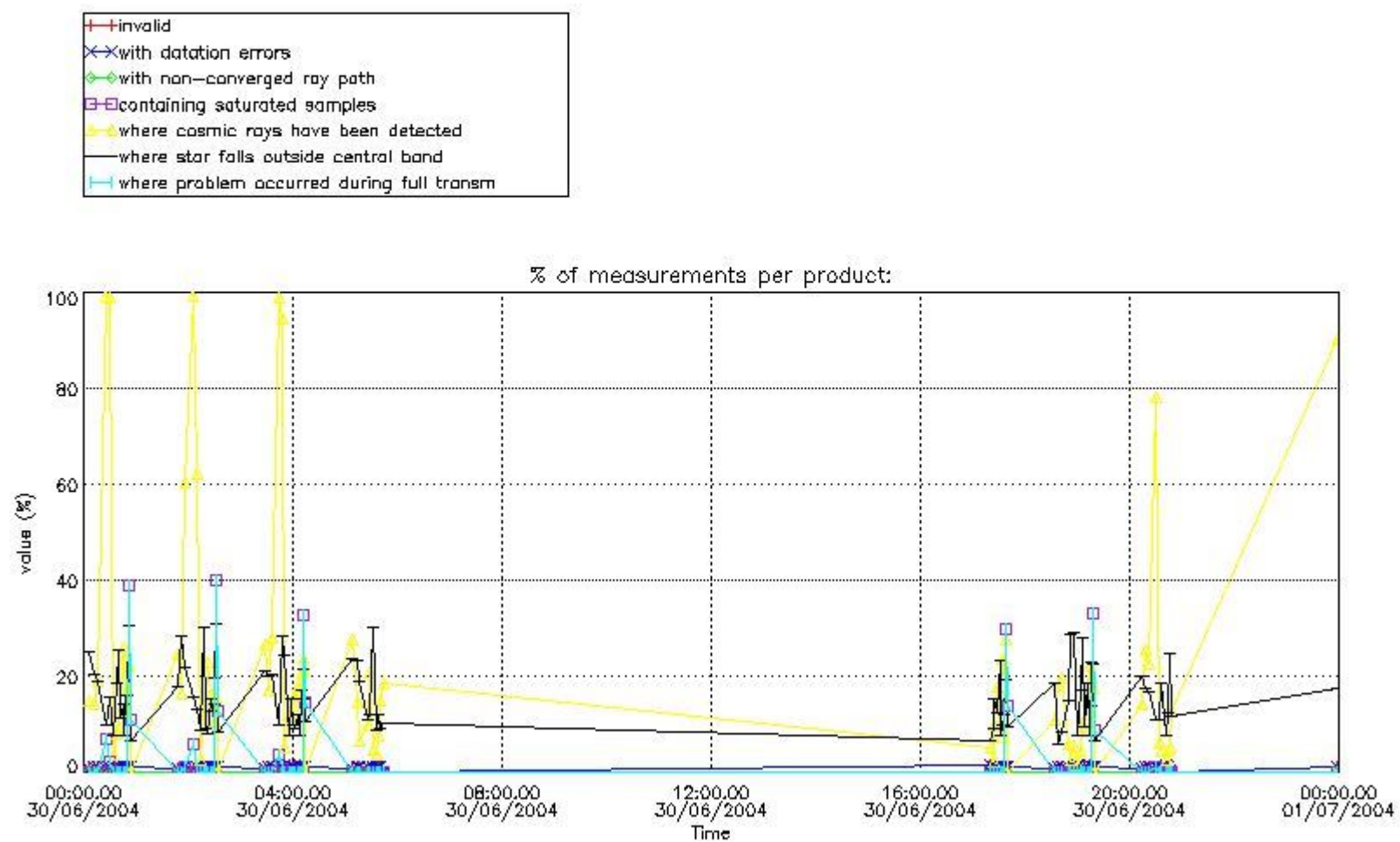


4. Level 1 quality information per product

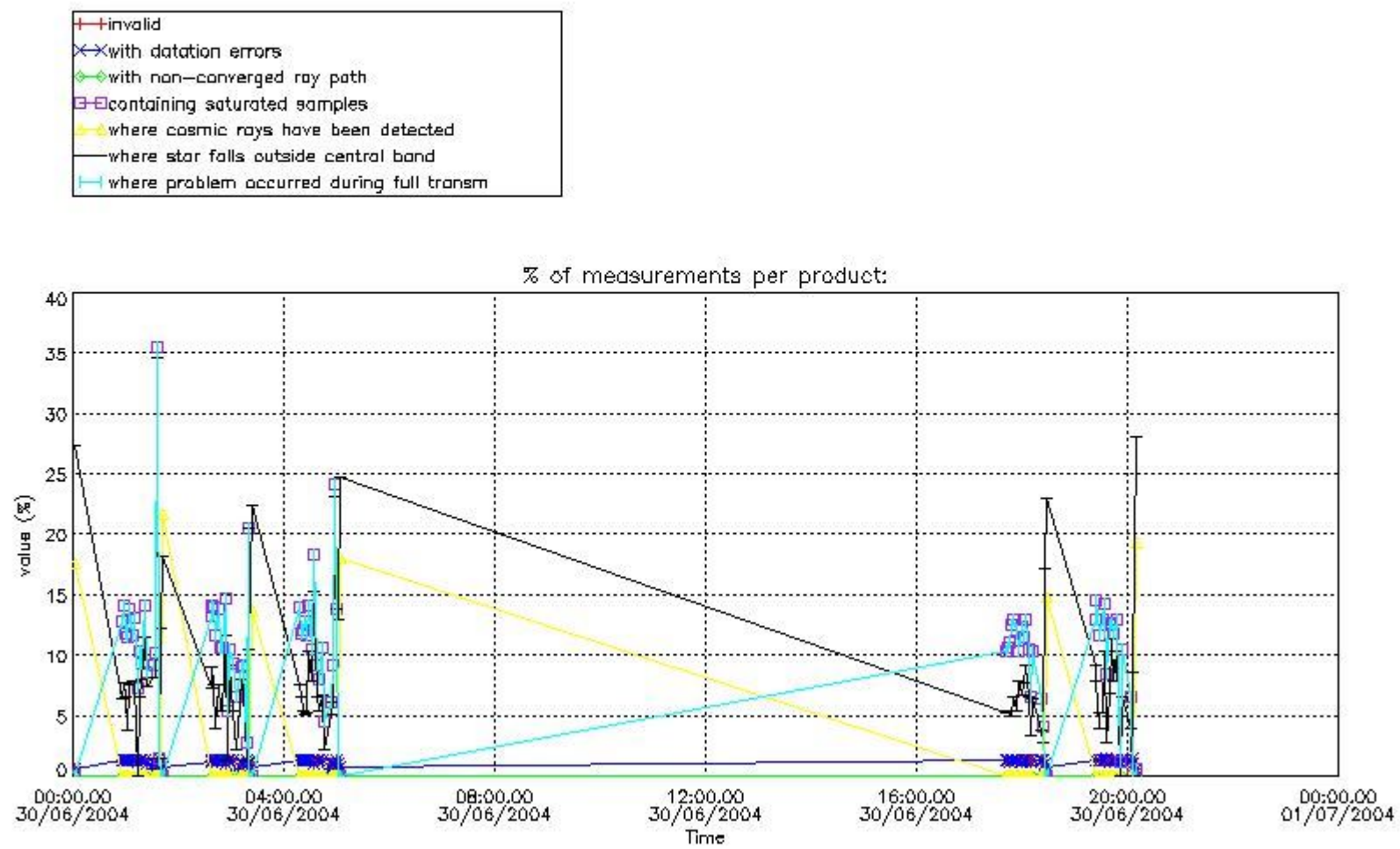
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



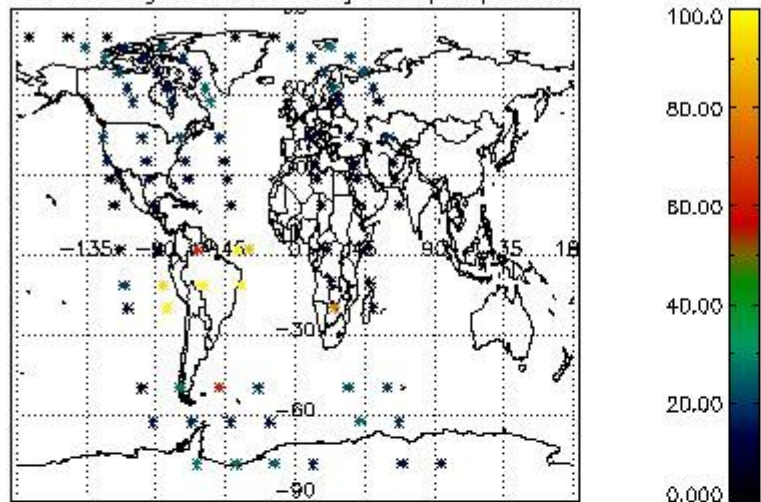
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



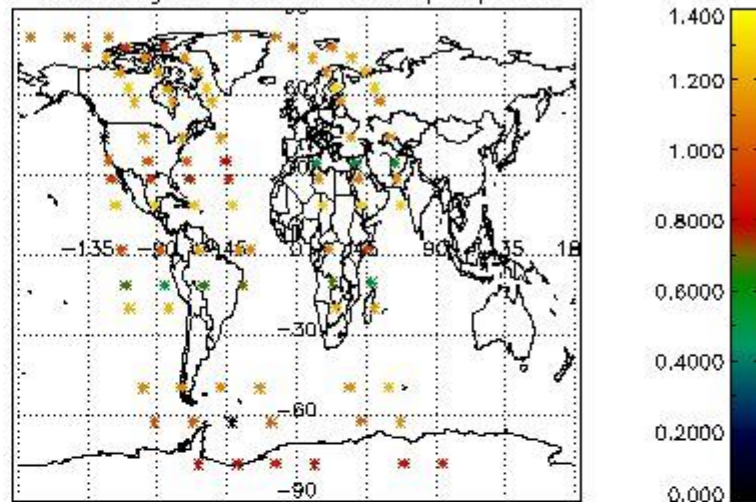
4.2 Plot quality information per product coming from level 1b processing (world map)

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

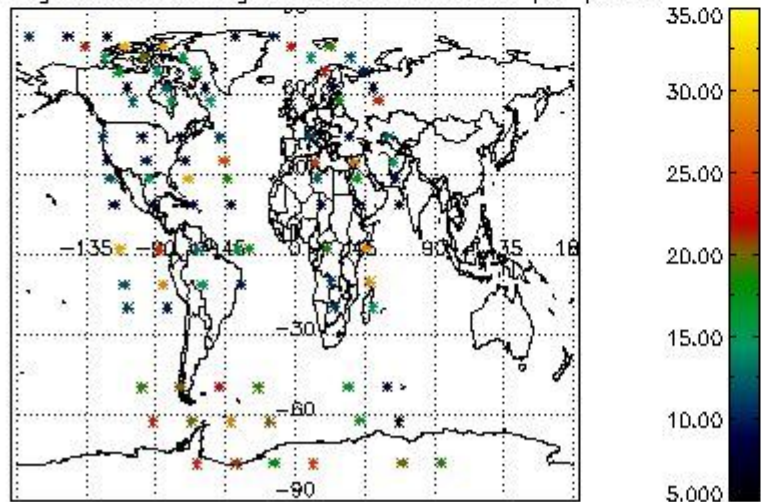
Percentage of cosmic ray hits per profile



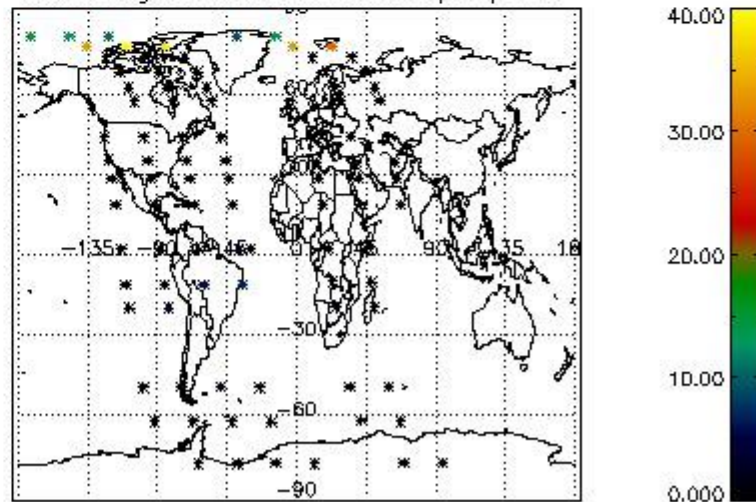
Percentage of datation errors per profile



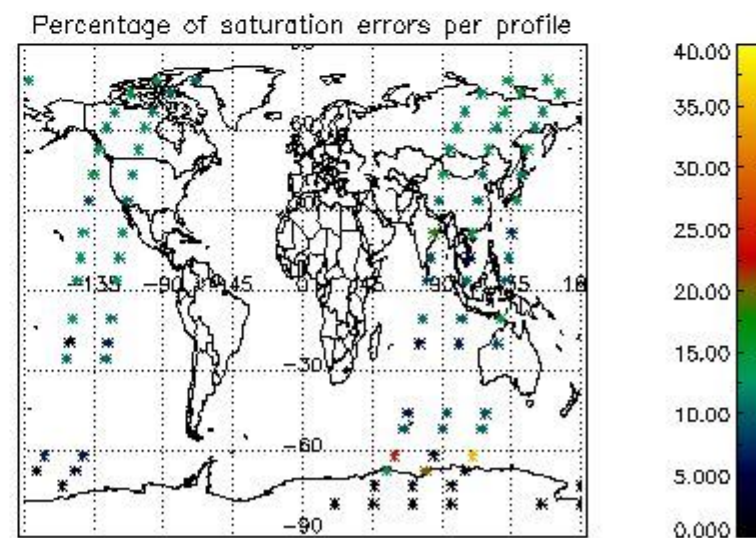
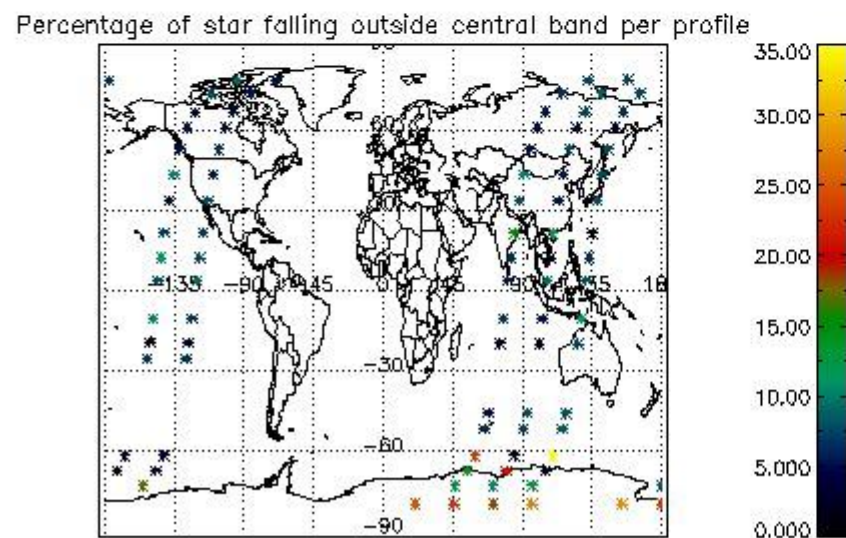
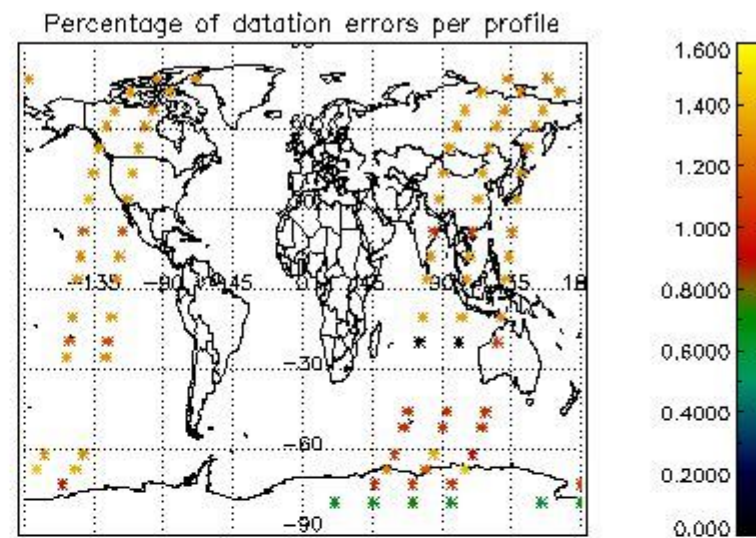
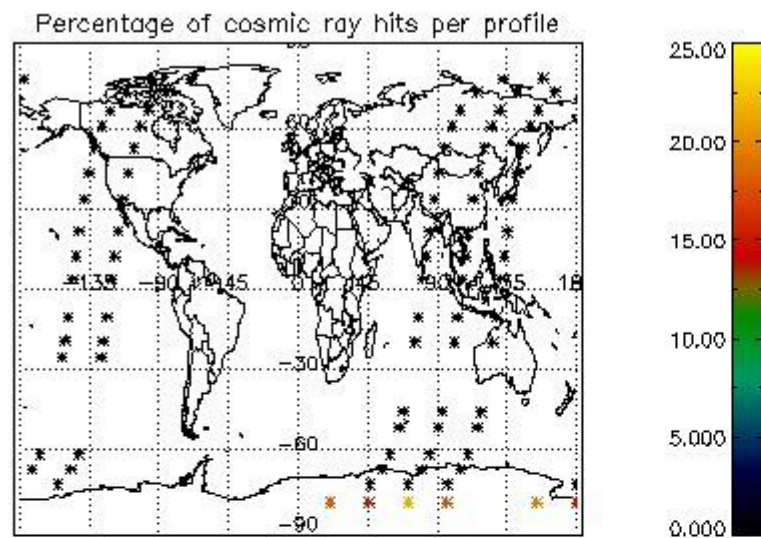
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

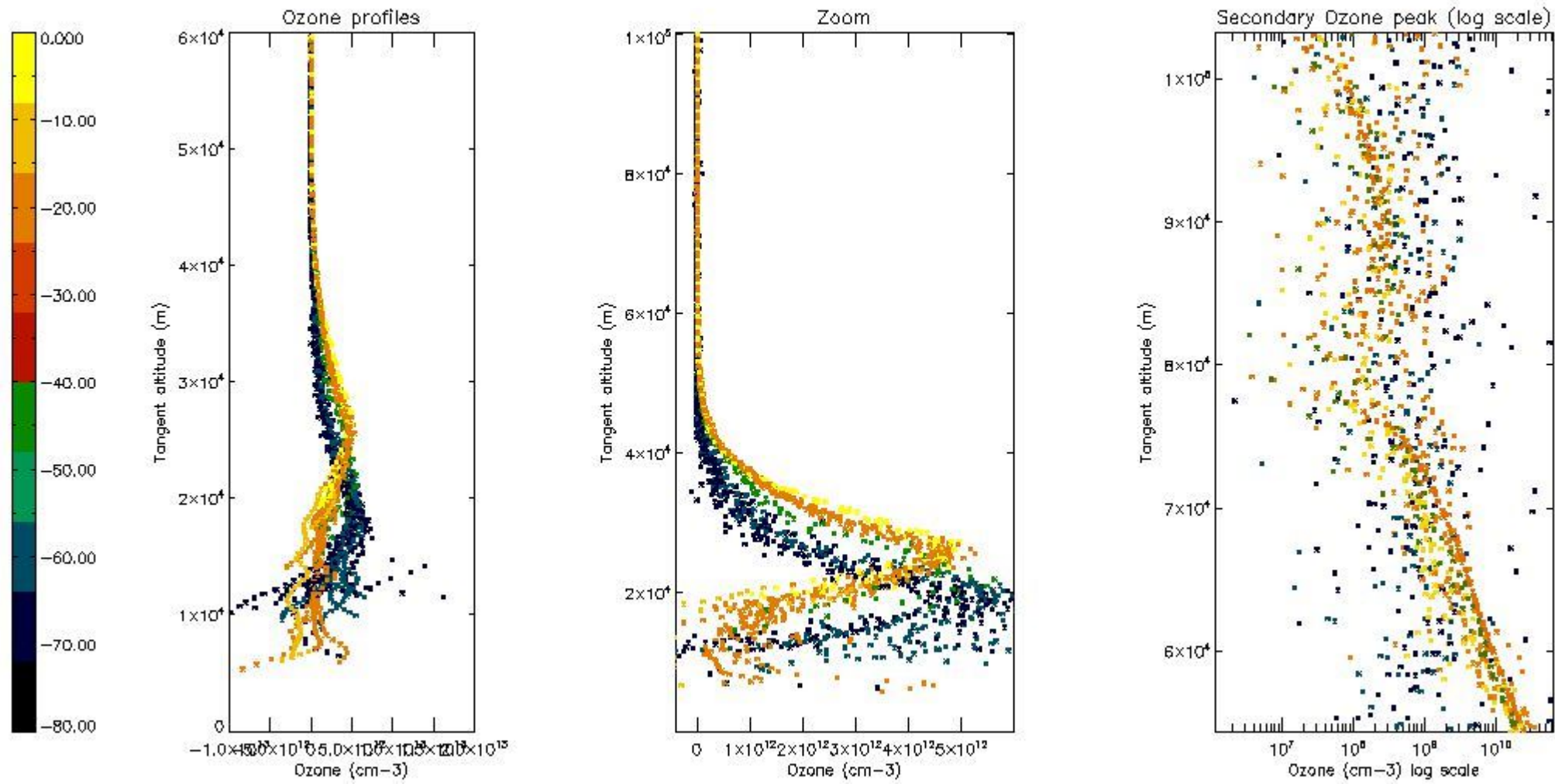
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	10

STD < 10	7
STD < 5	3

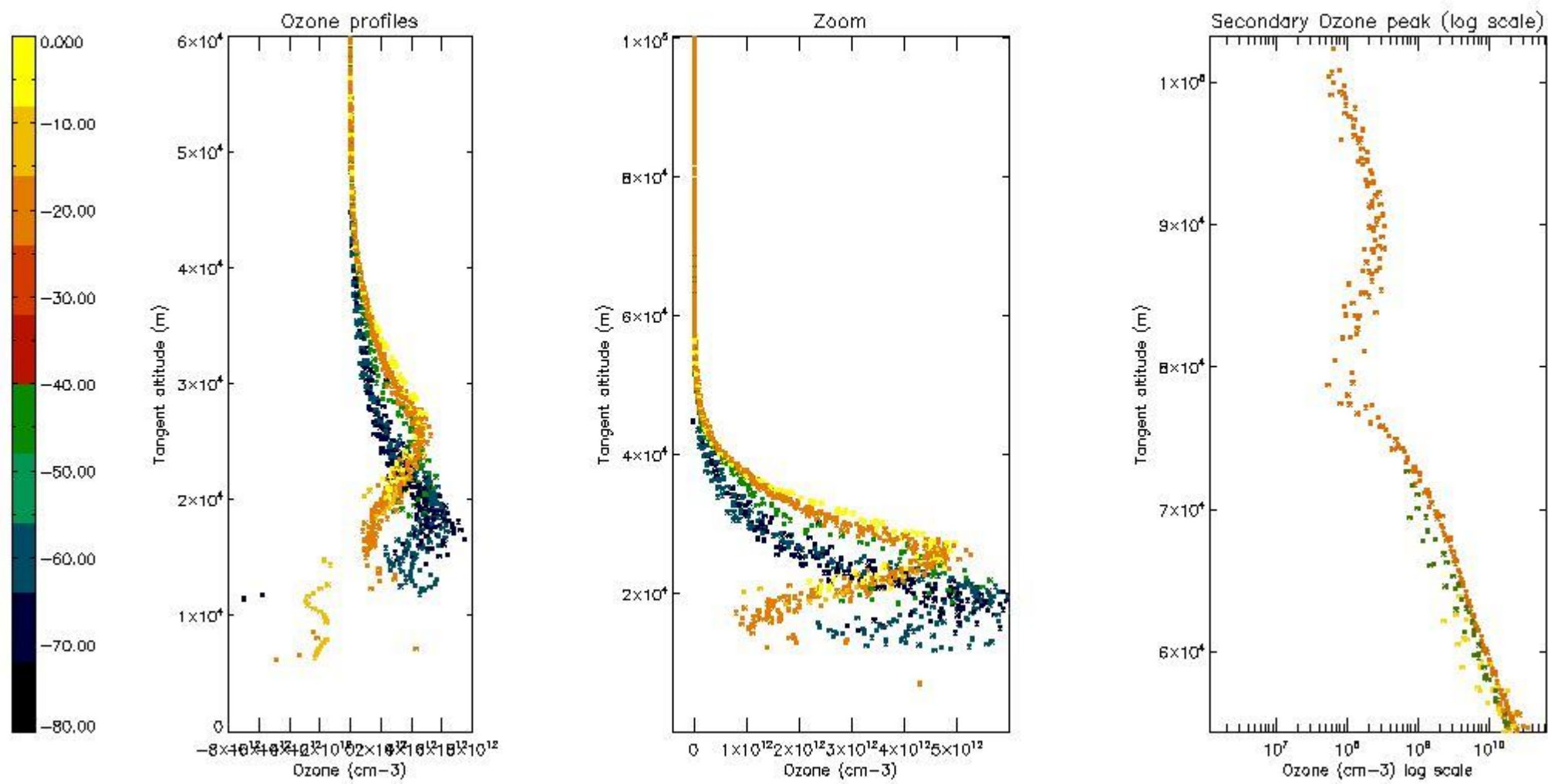
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



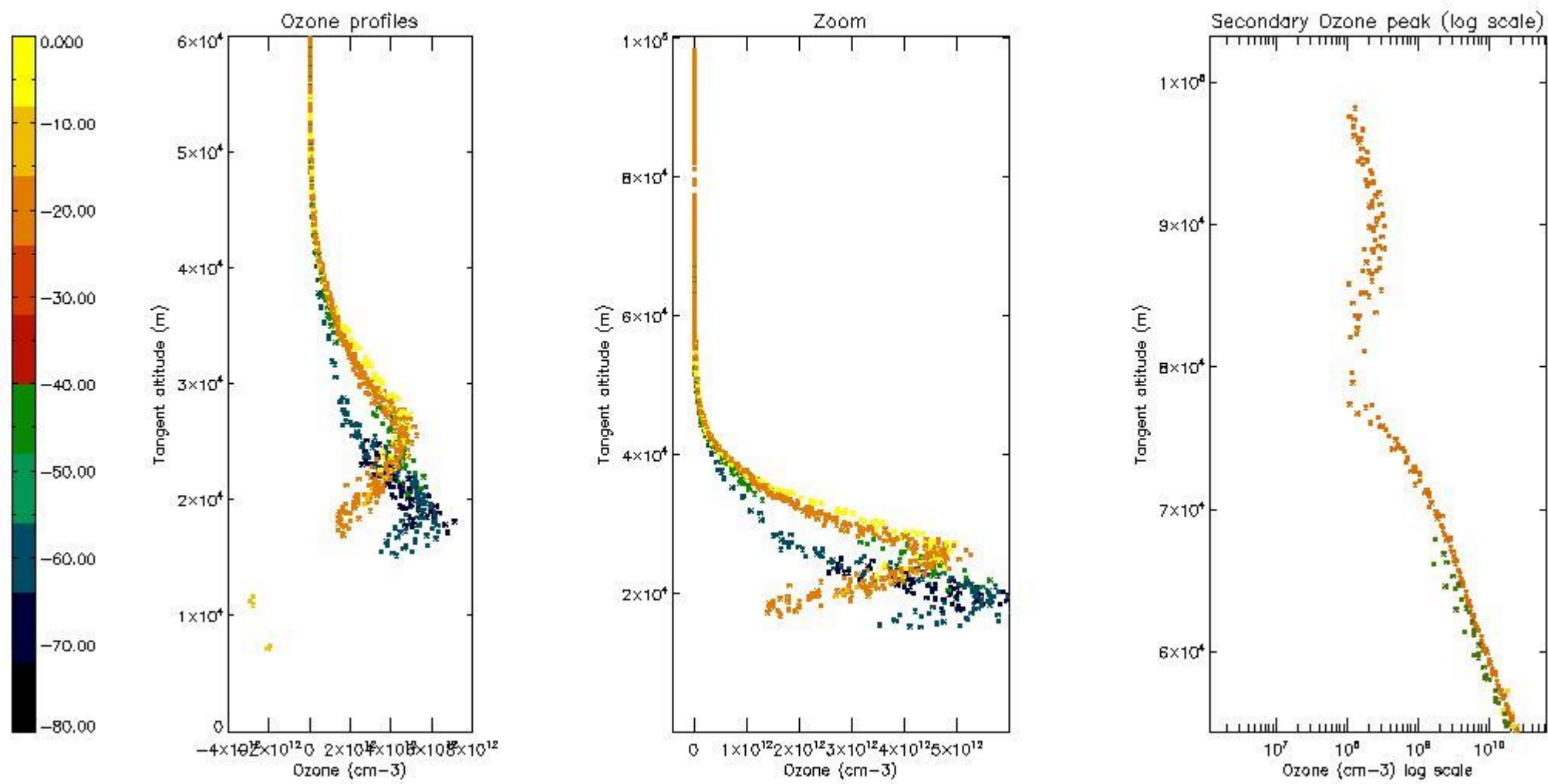
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



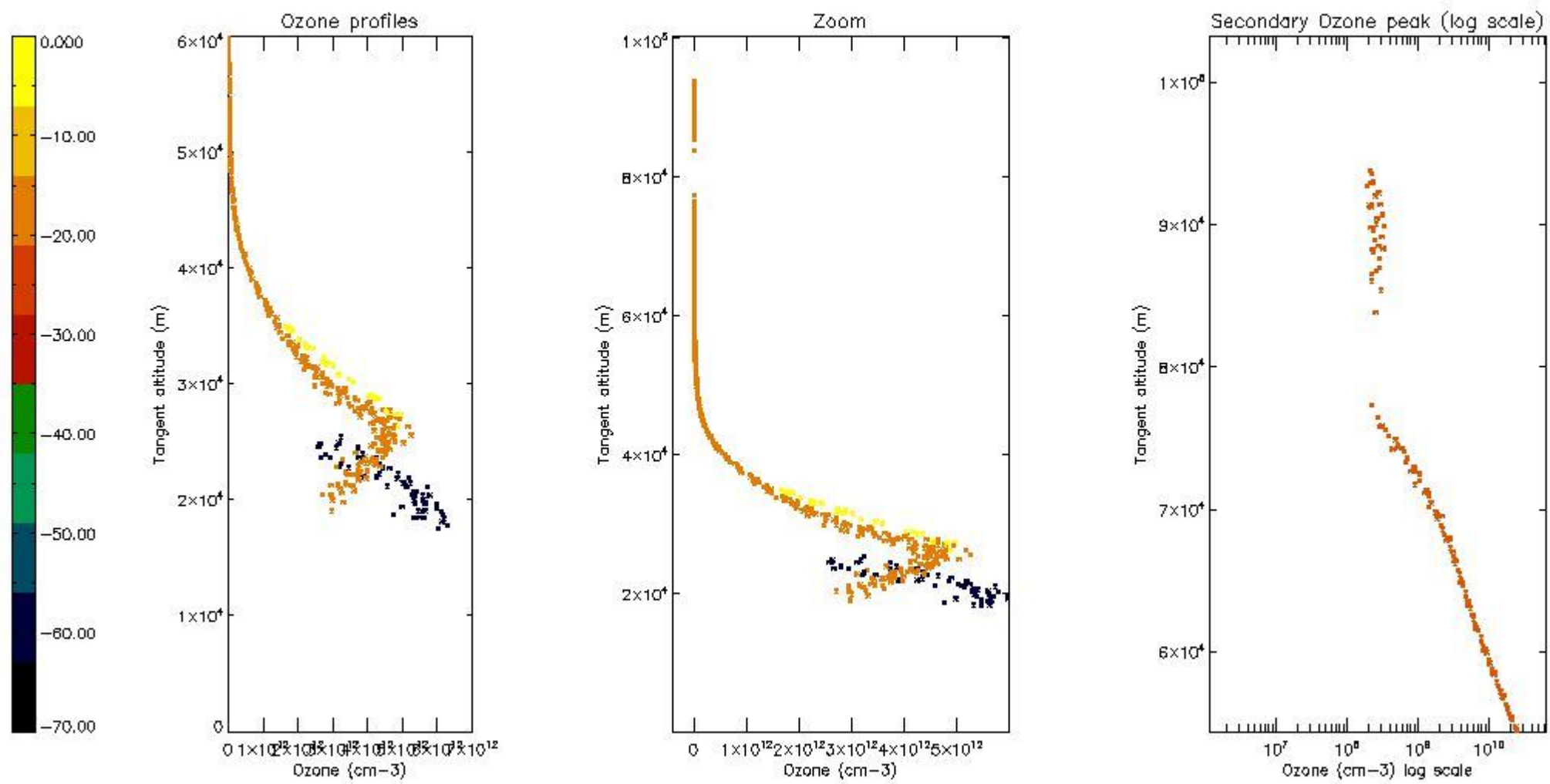
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



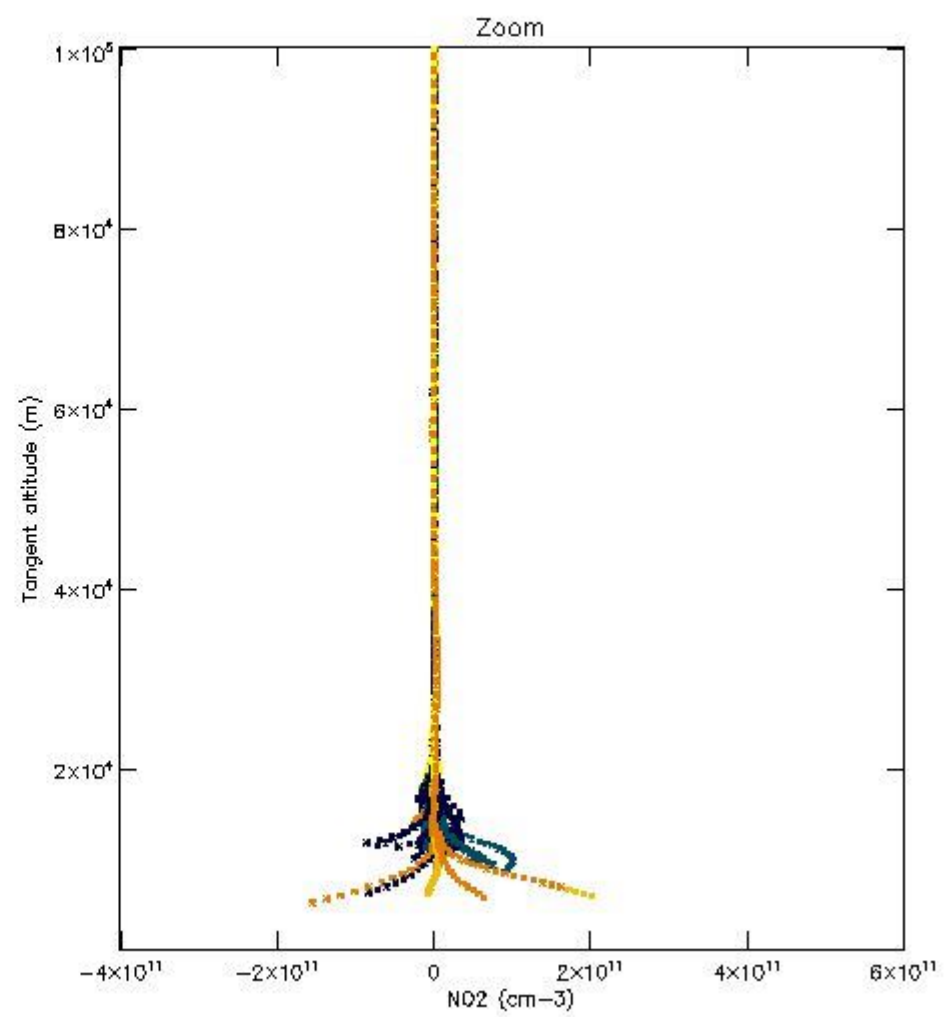
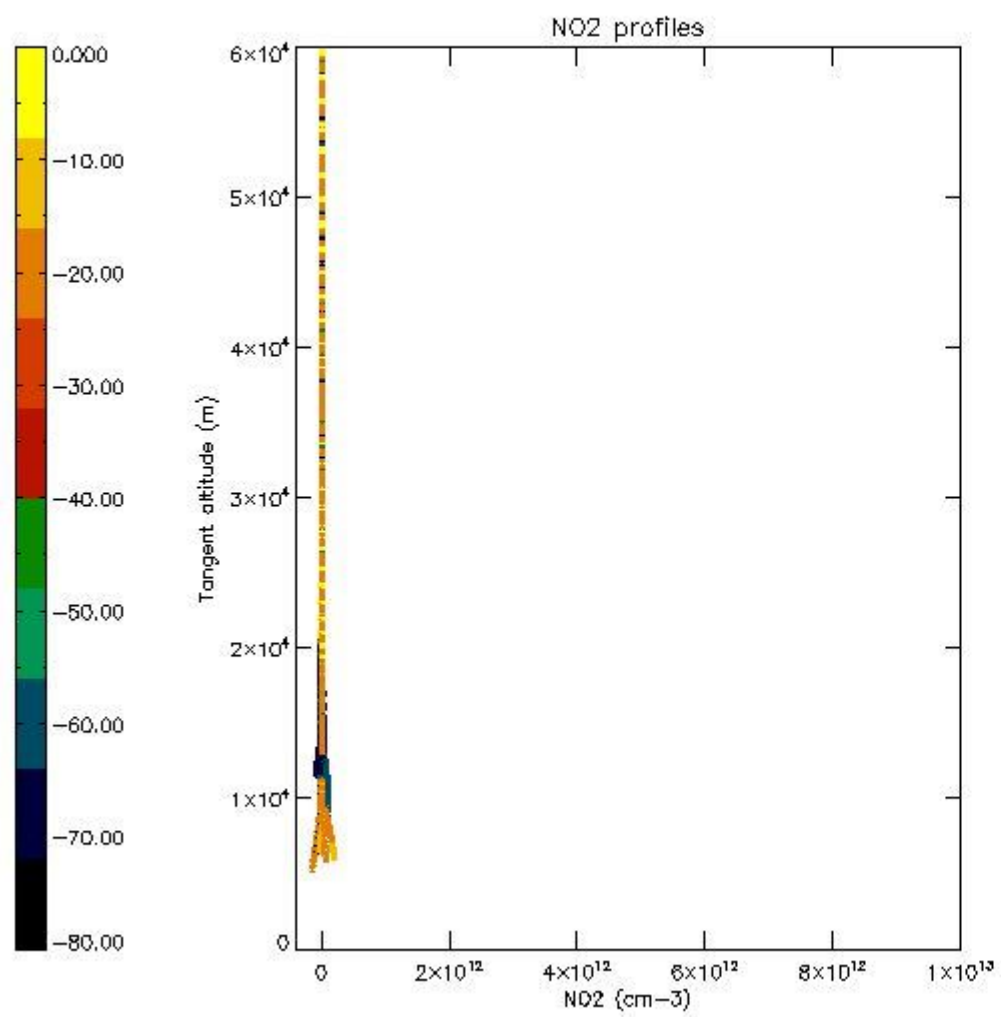
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



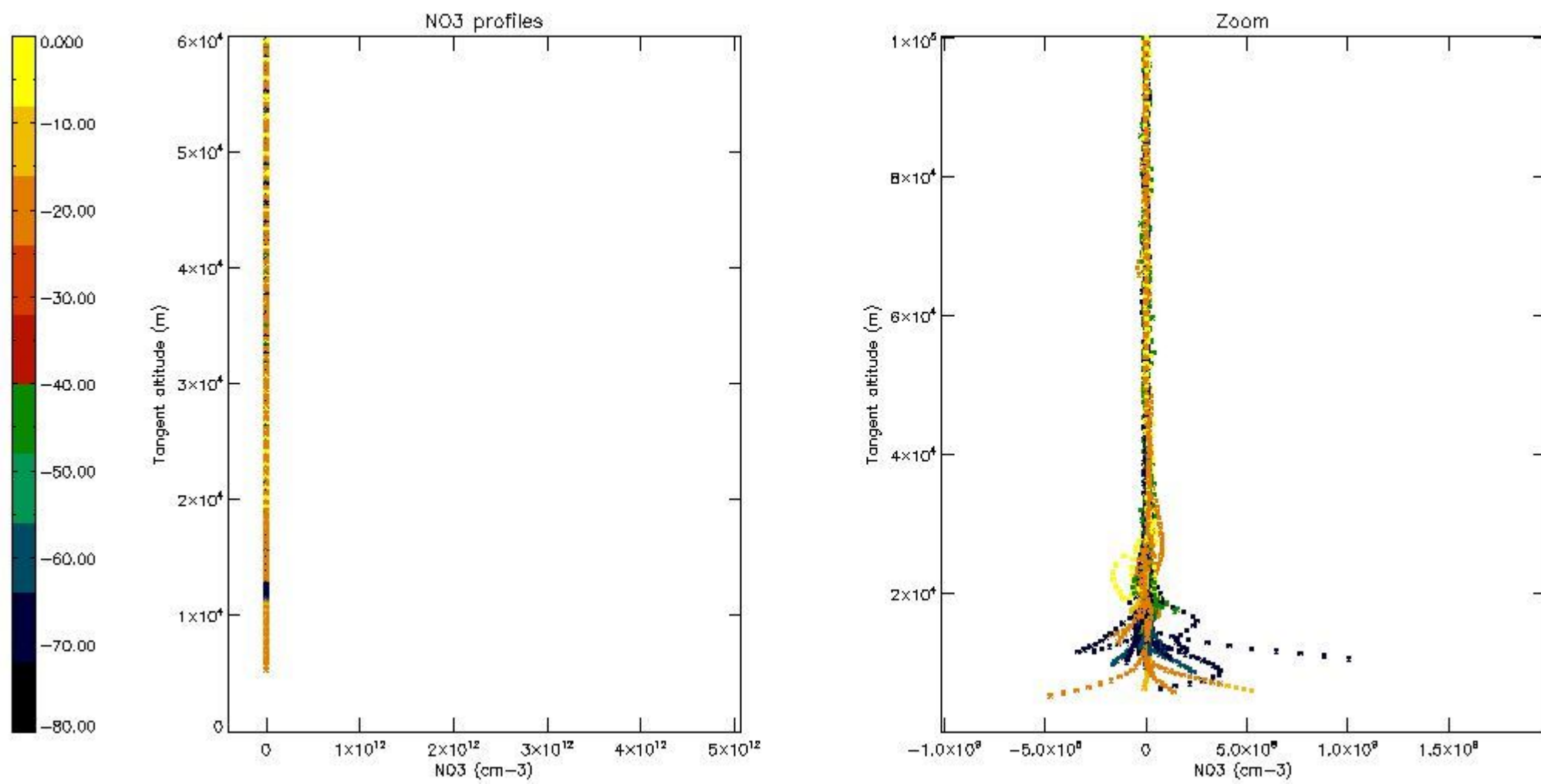
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



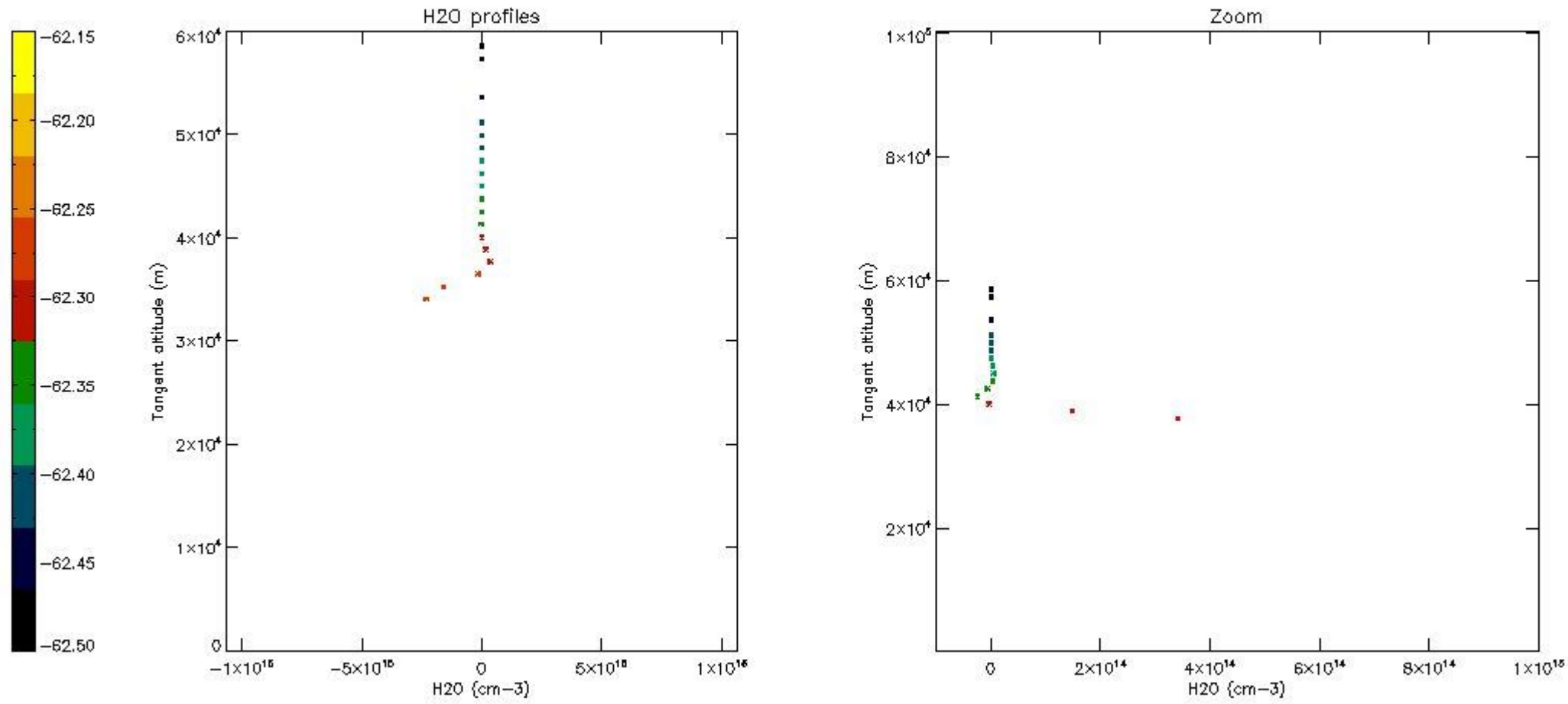
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

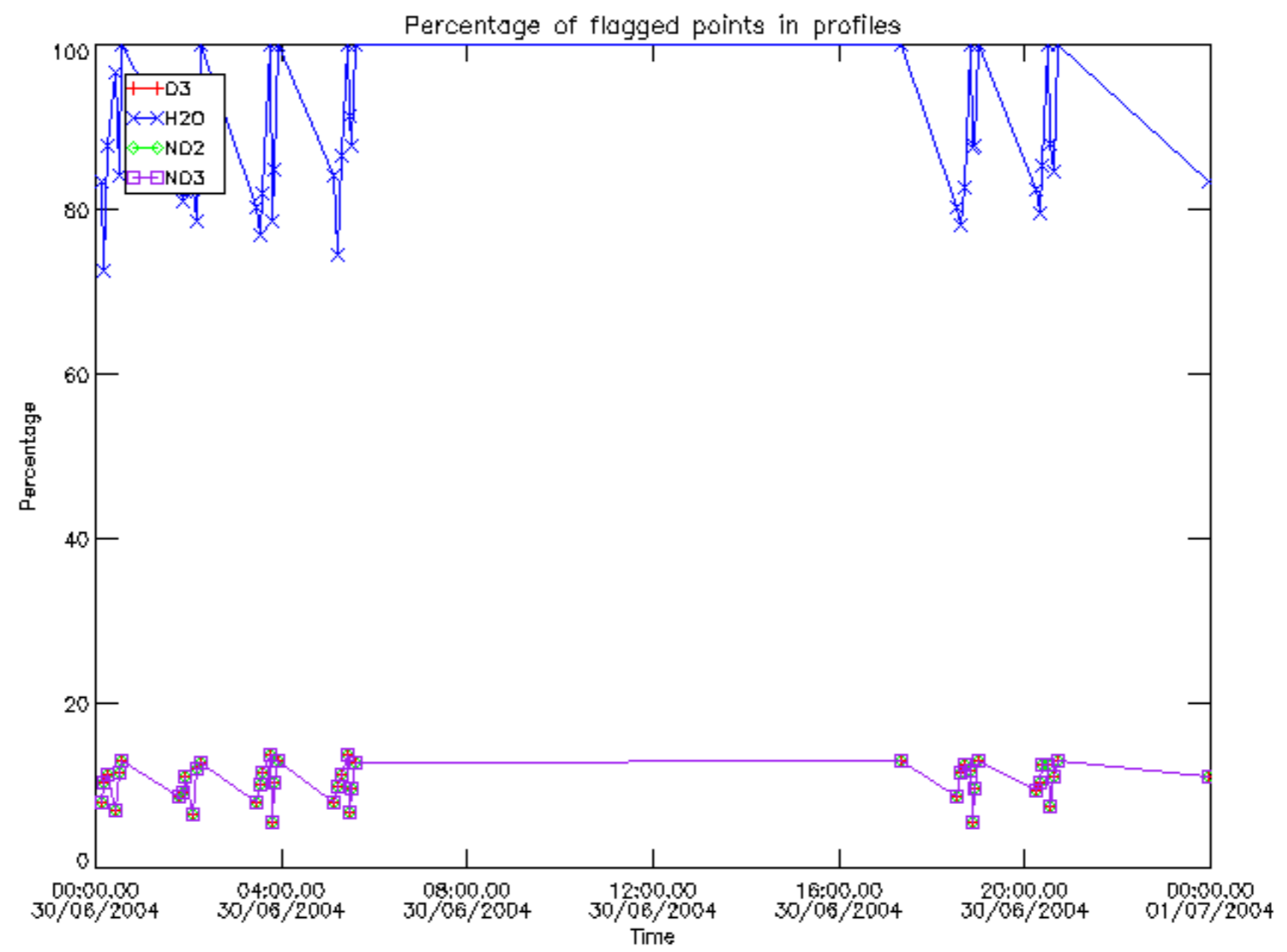
The colorbar represents the latitude.



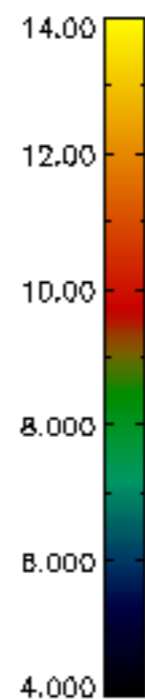
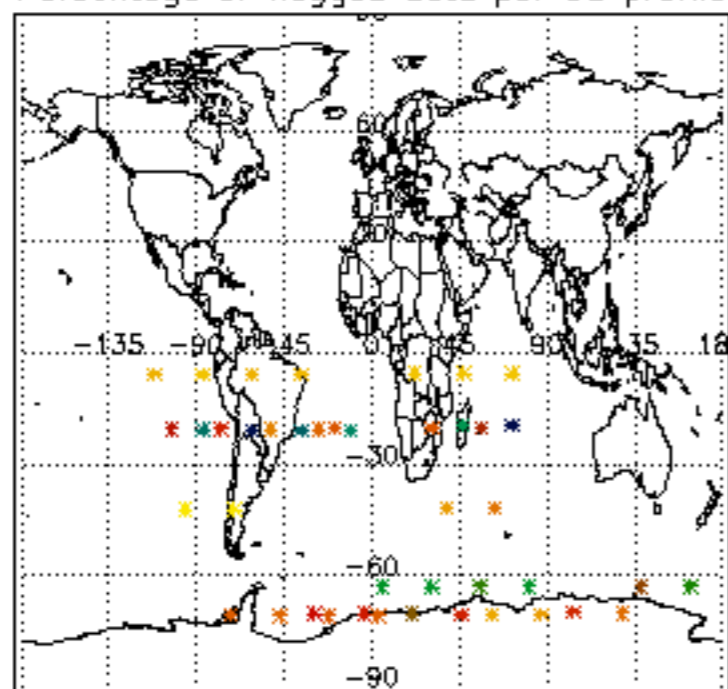
6. Auxiliary Data Files used for the production reported in section 2

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.

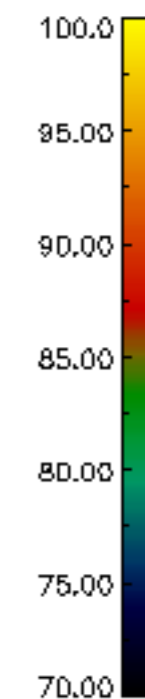
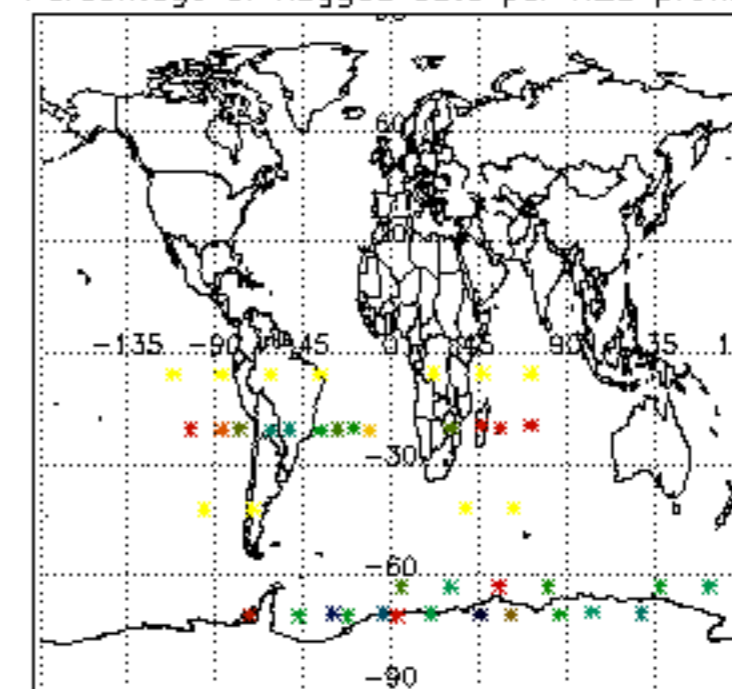
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-JUN-2004 00:02:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JUN-2004 00:02:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JUN-2004 00:02:11



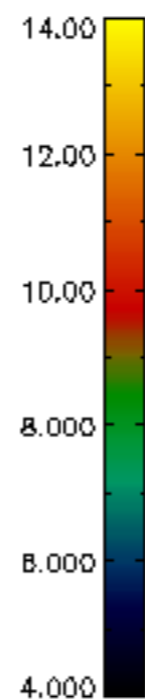
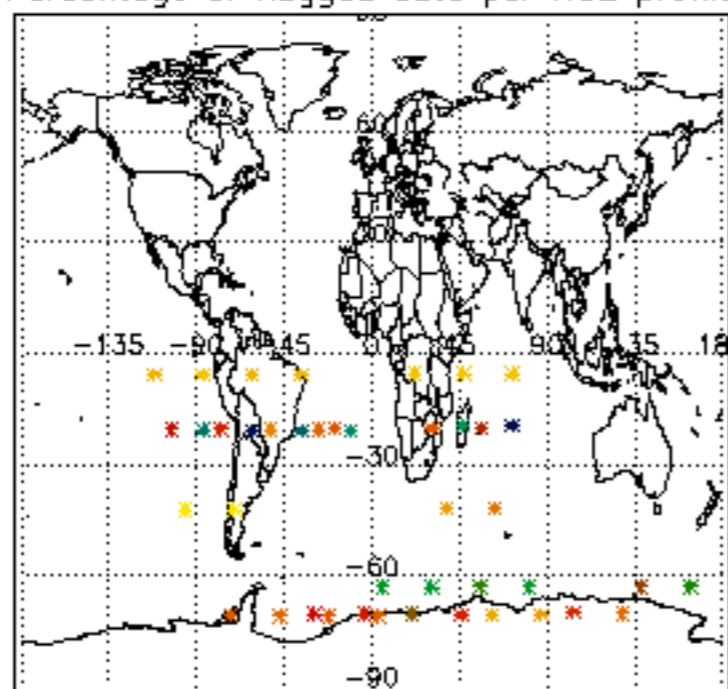
Percentage of flagged data per D3 profile



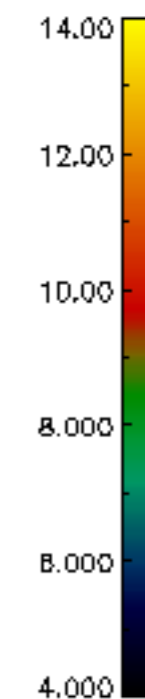
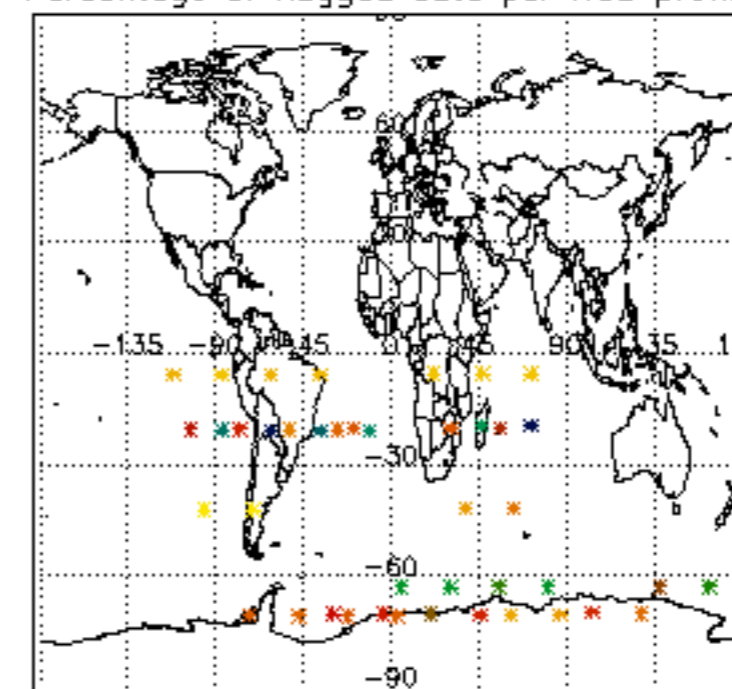
Percentage of flagged data per H2O profile

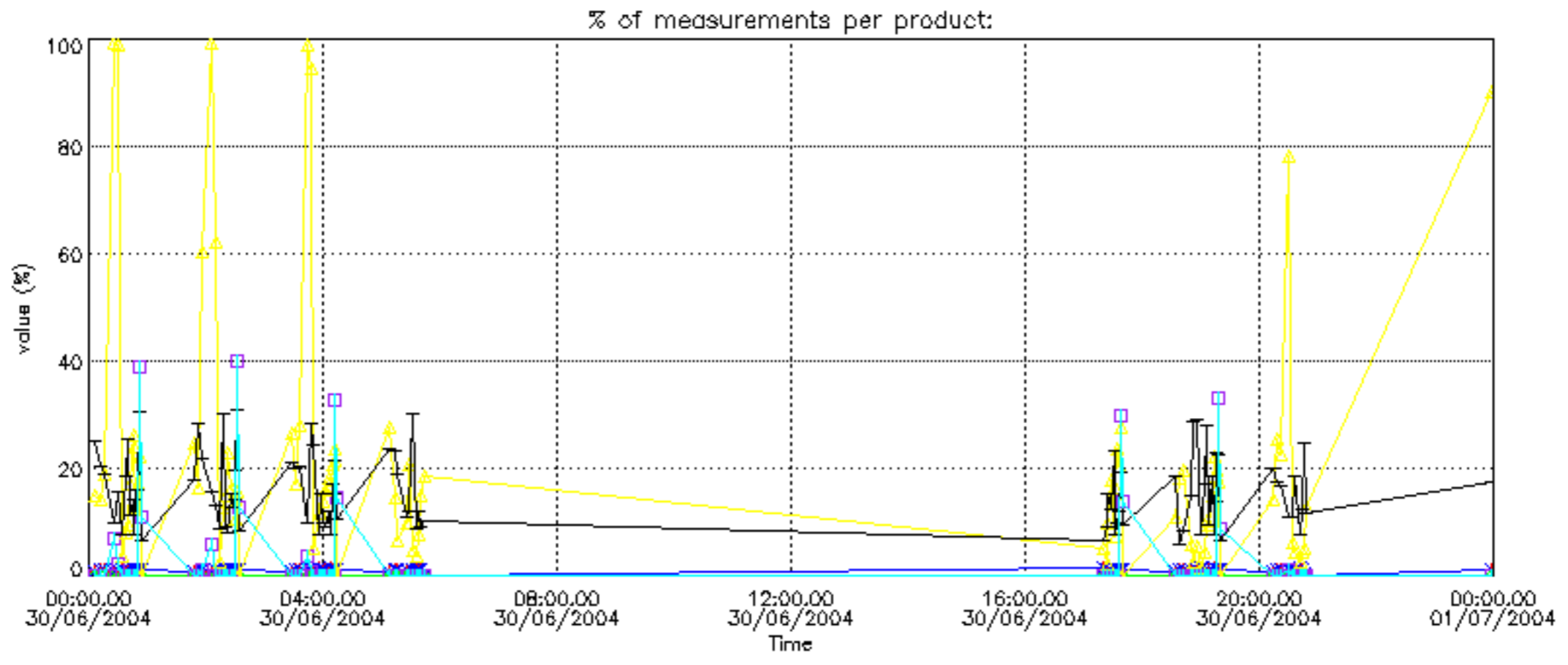


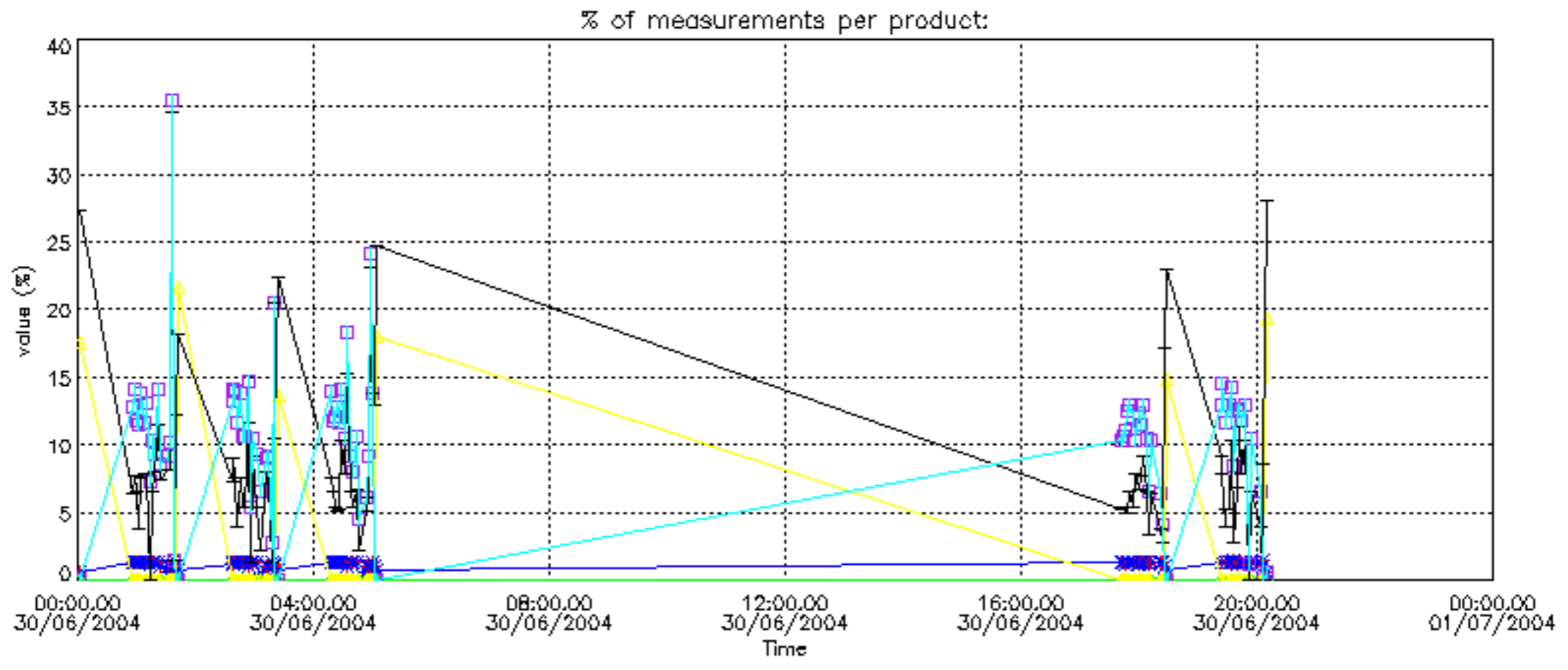
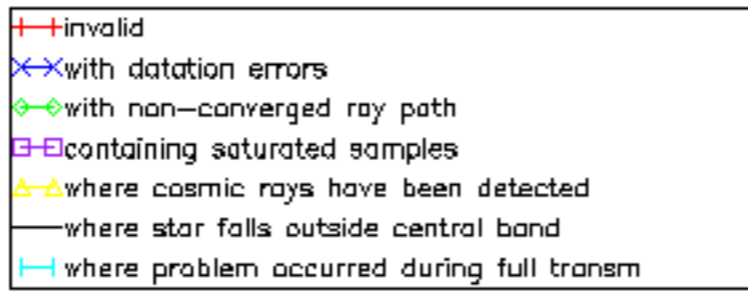
Percentage of flagged data per NO2 profile



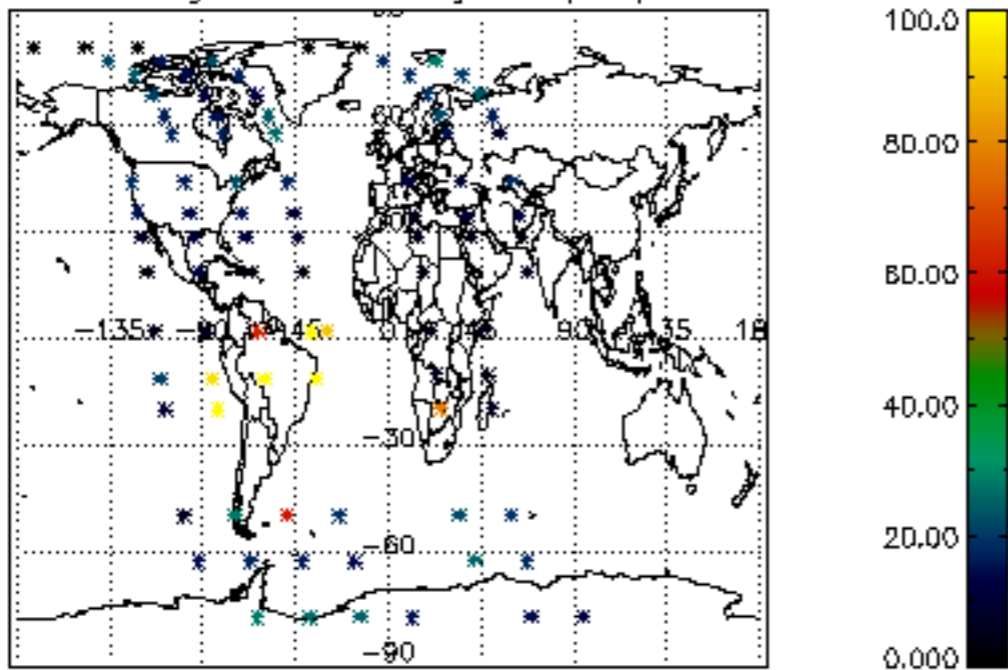
Percentage of flagged data per NO3 profile



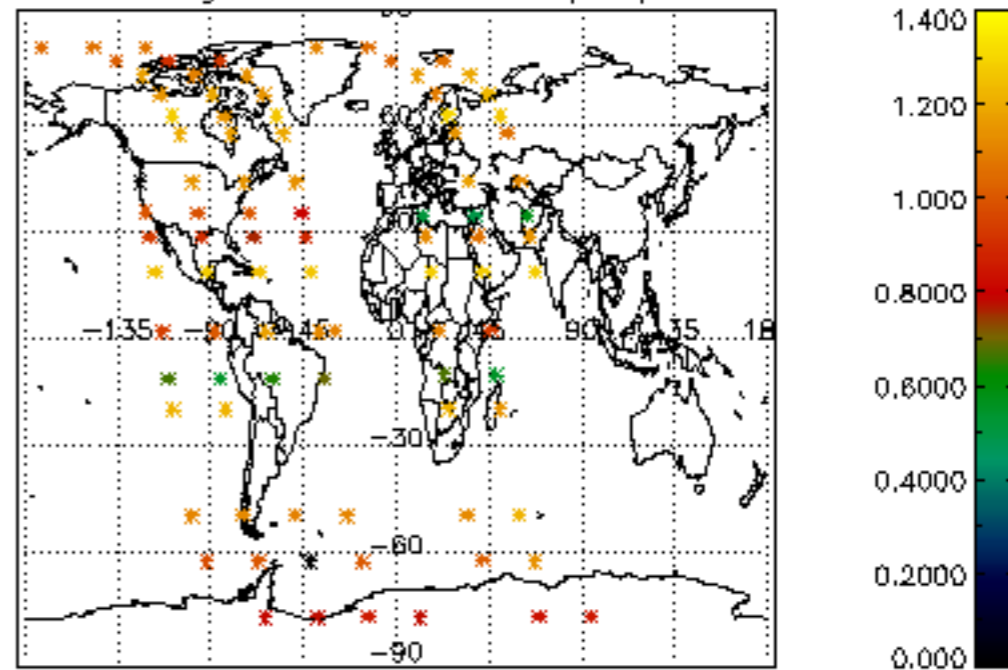




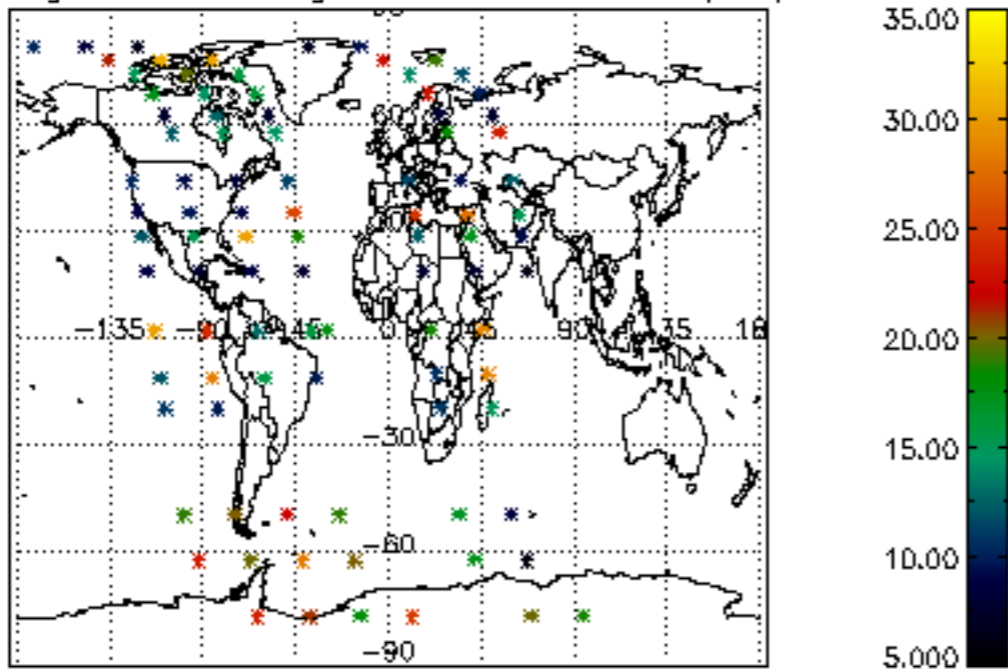
Percentage of cosmic ray hits per profile



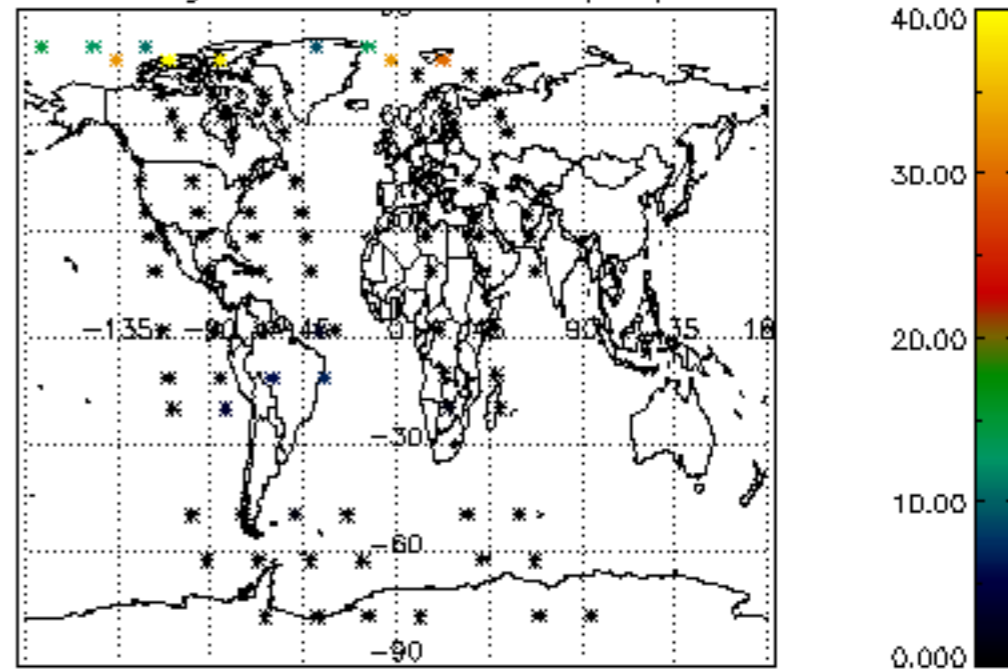
Percentage of datation errors per profile



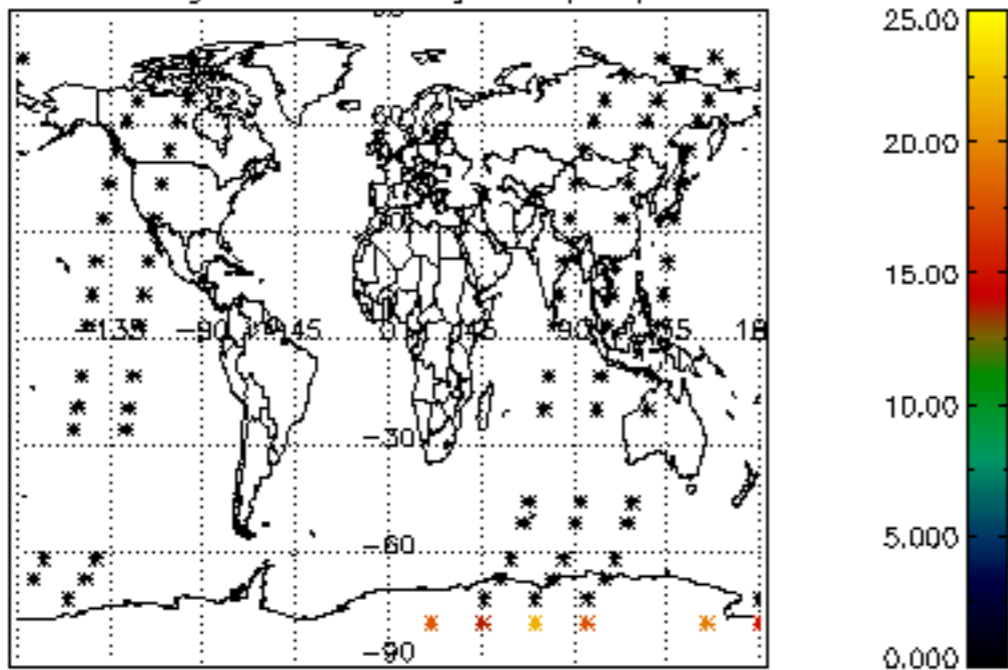
Percentage of star falling outside central band per profile



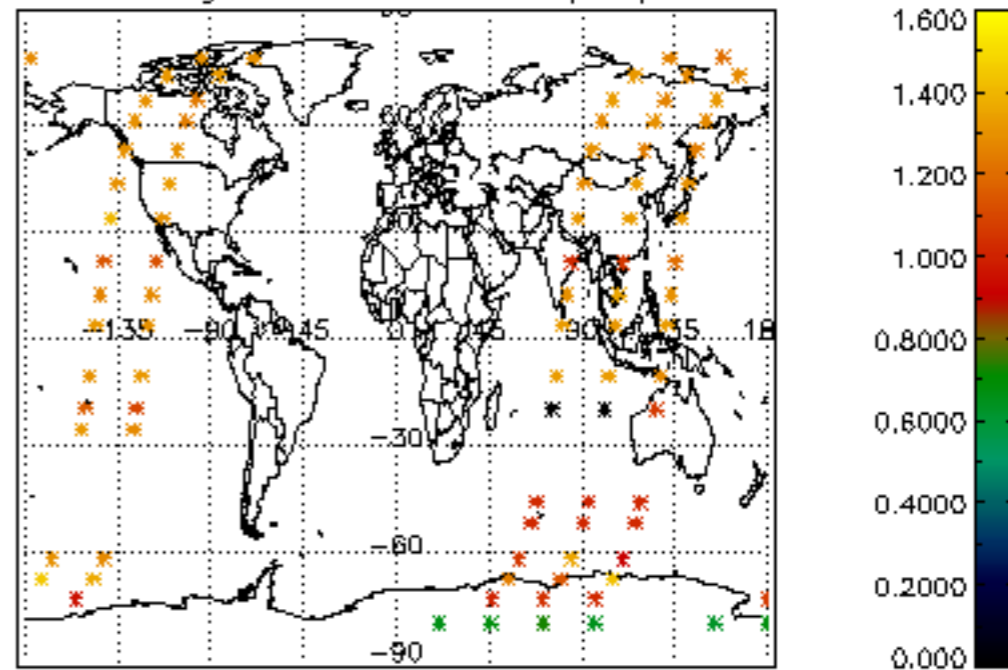
Percentage of saturation errors per profile



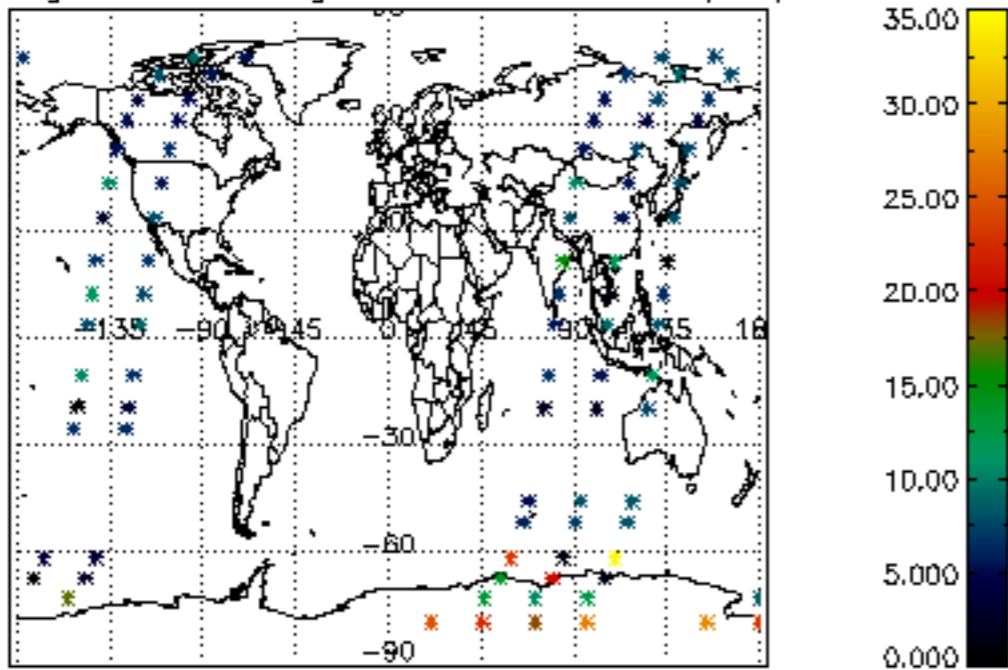
Percentage of cosmic ray hits per profile



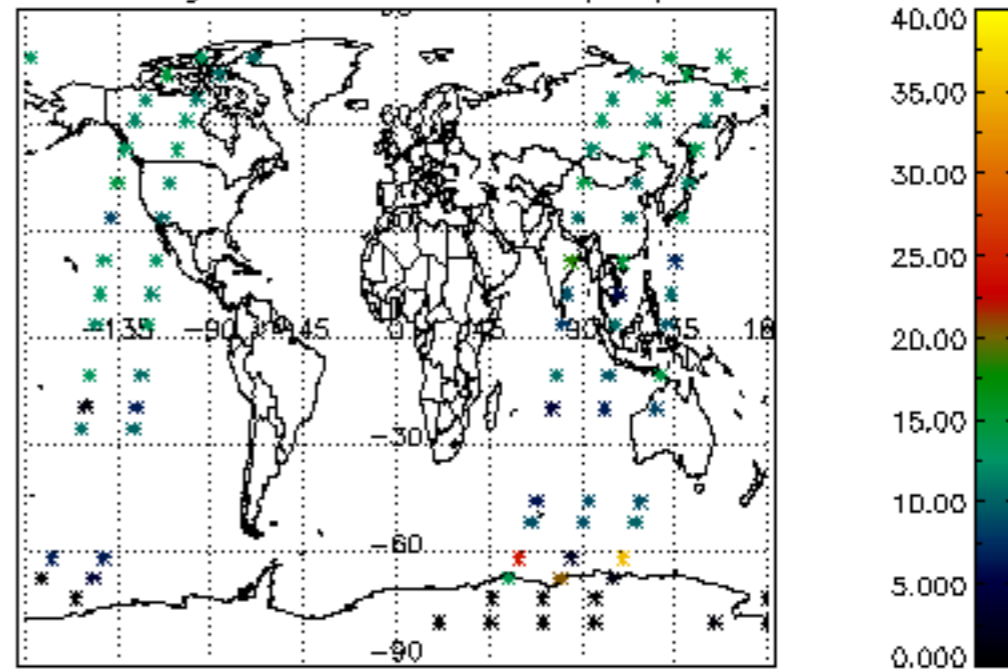
Percentage of datation errors per profile

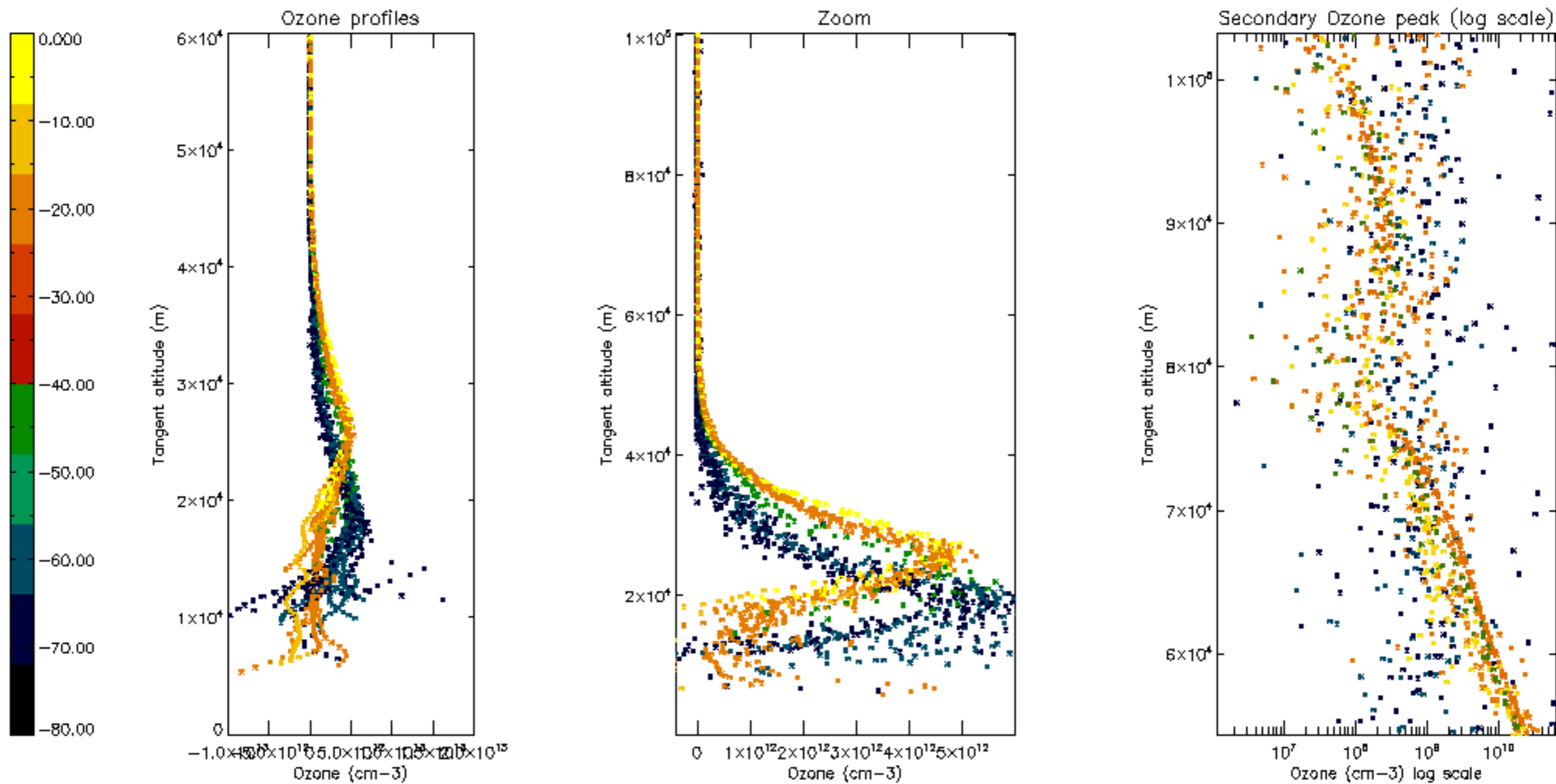


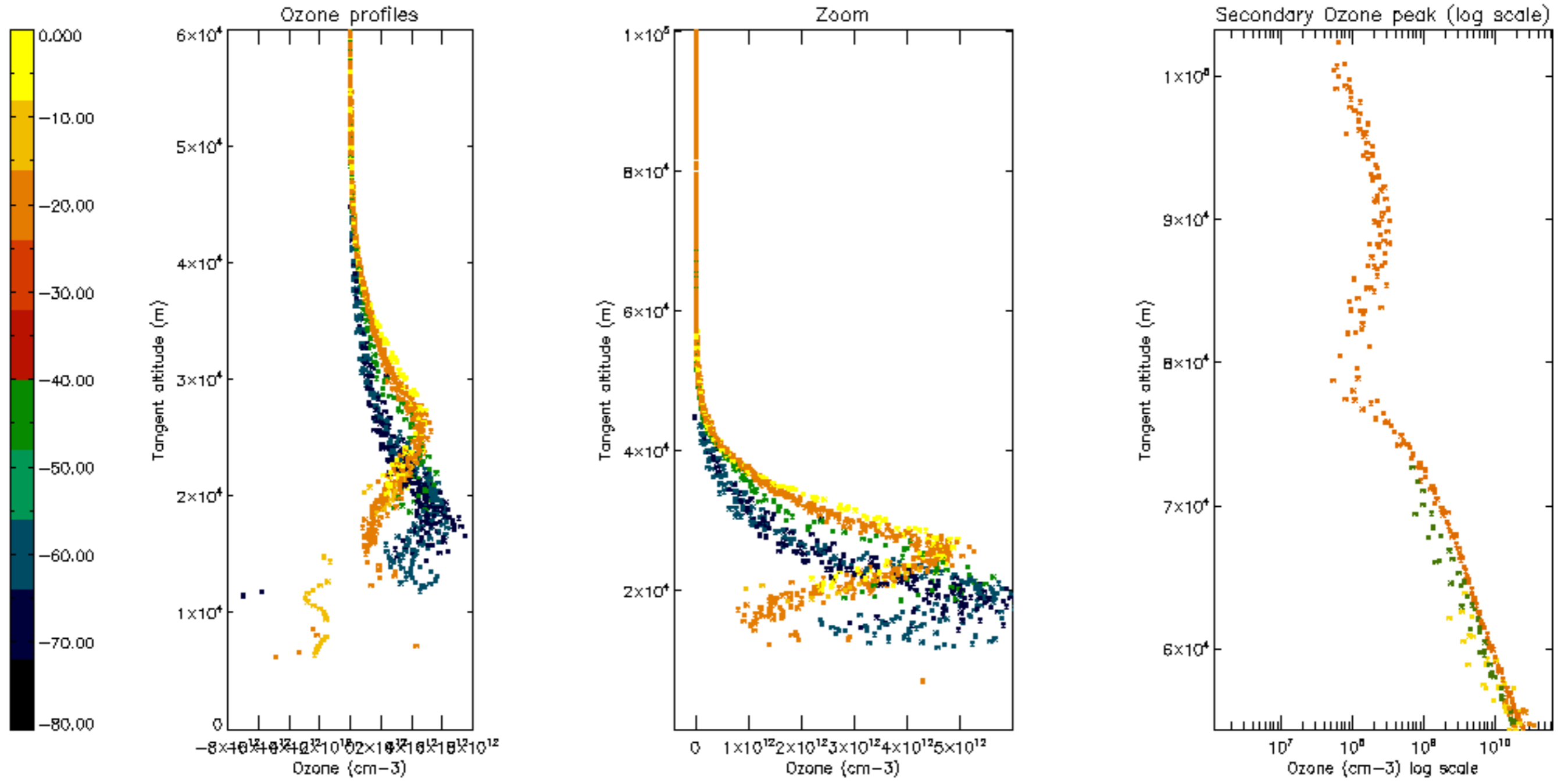
Percentage of star falling outside central band per profile

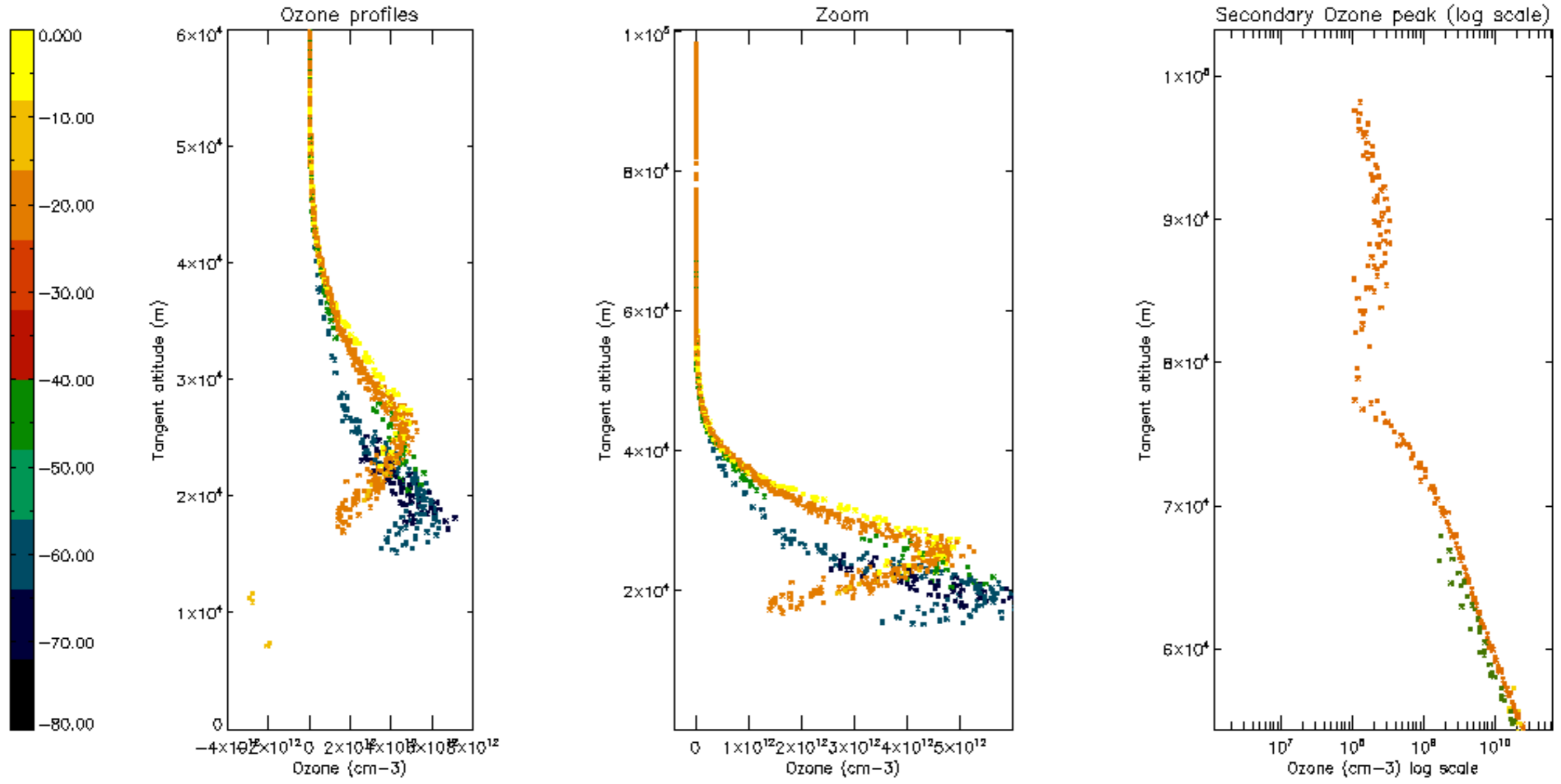


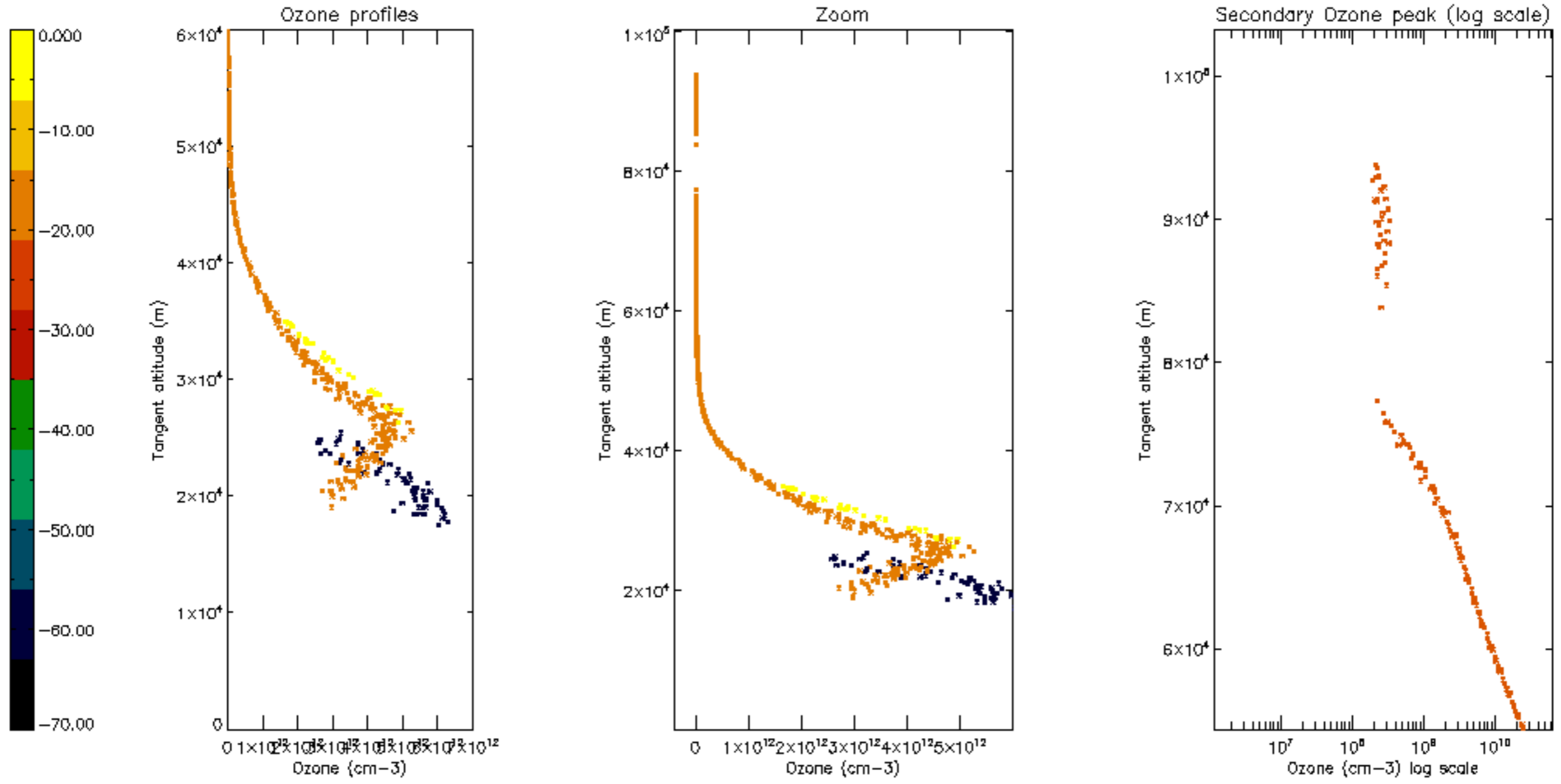
Percentage of saturation errors per profile

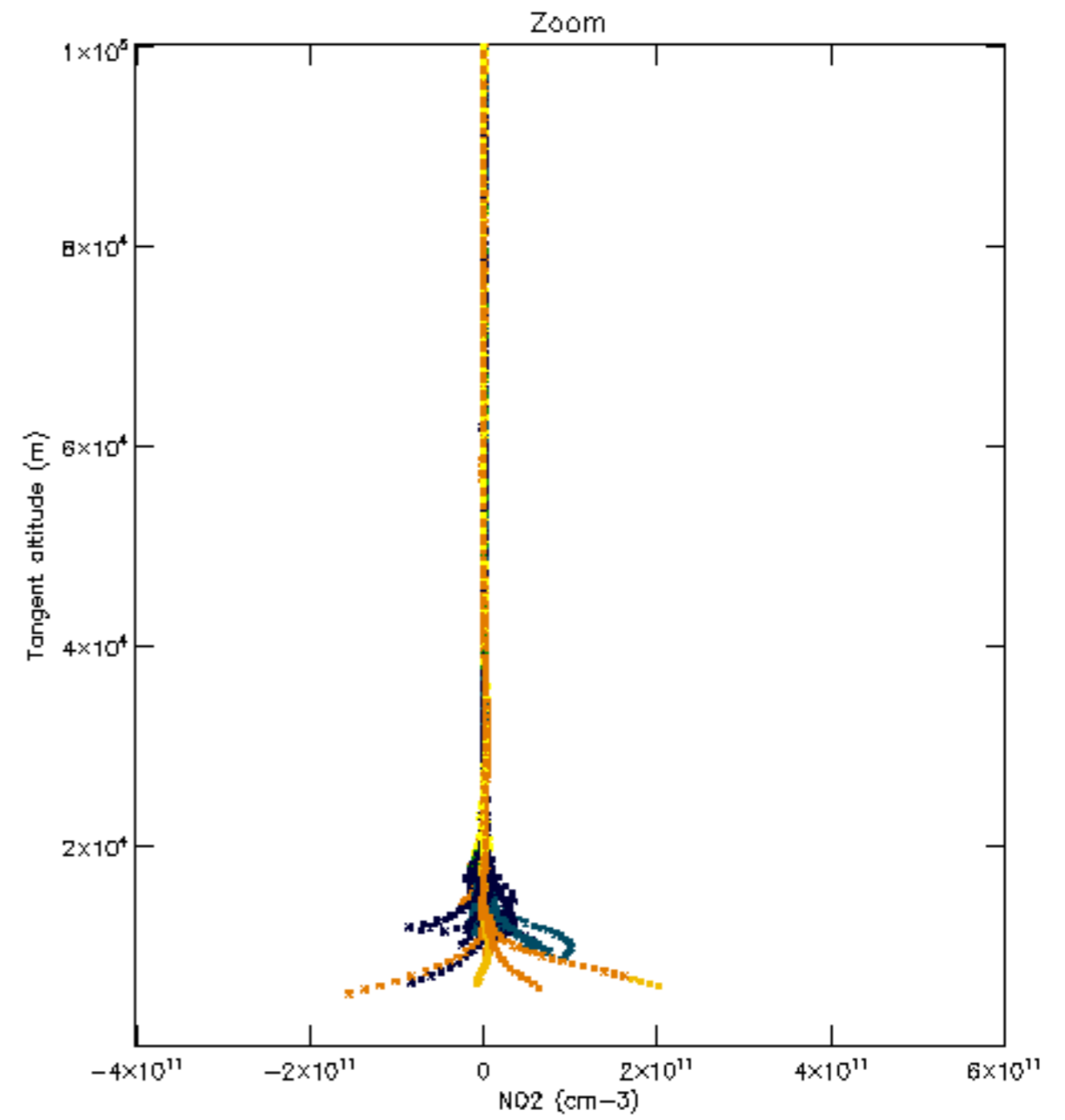
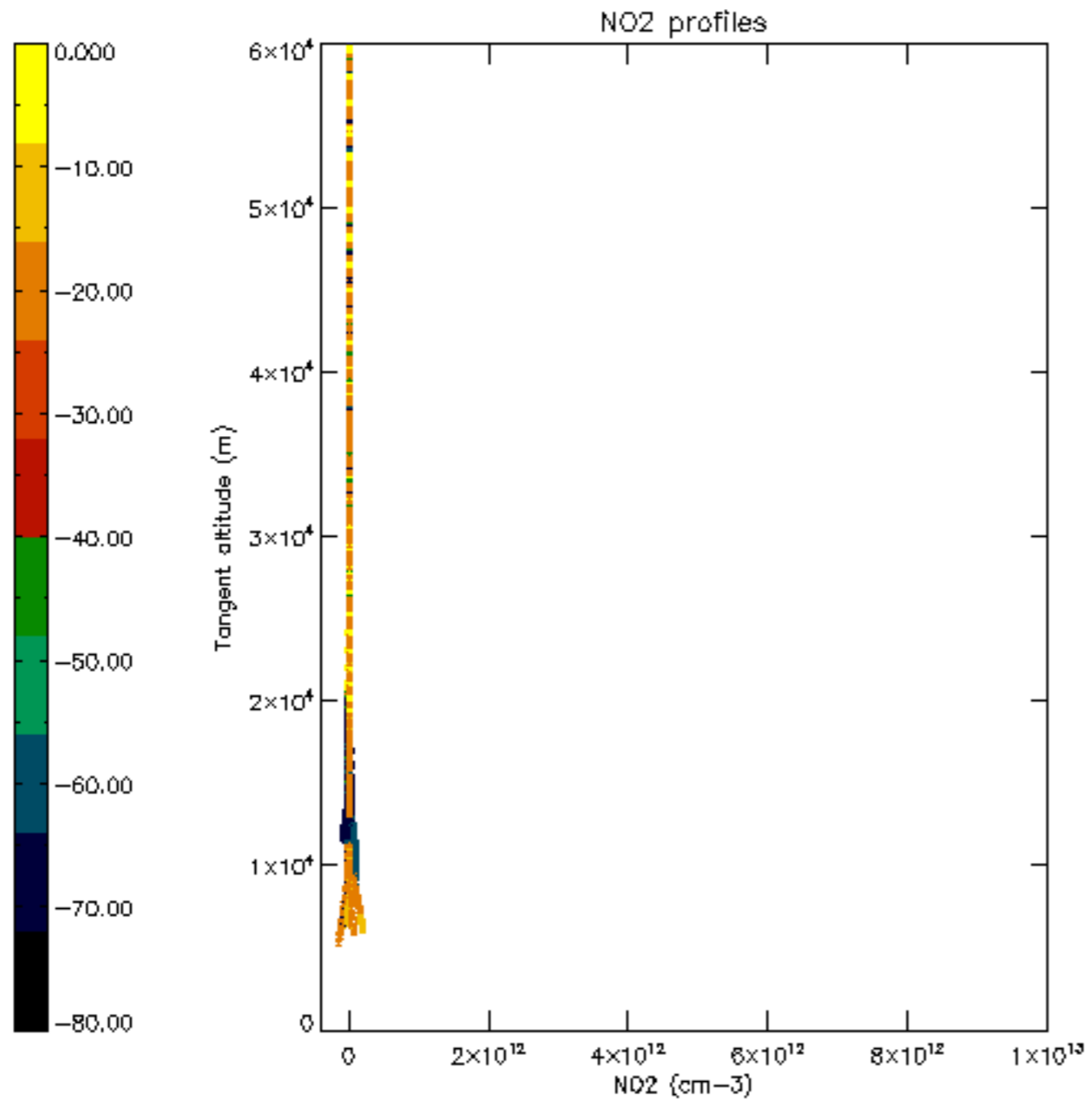


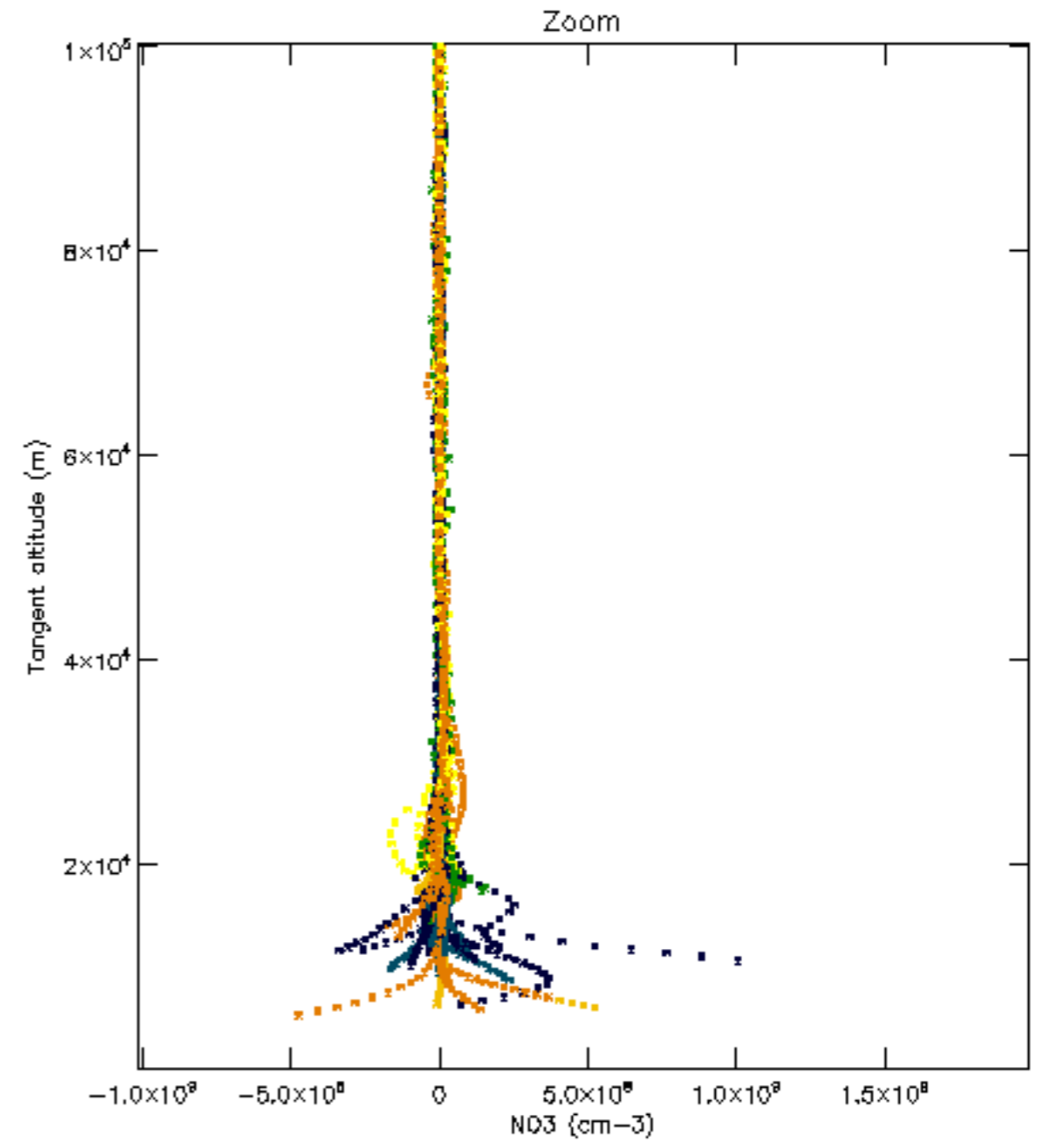
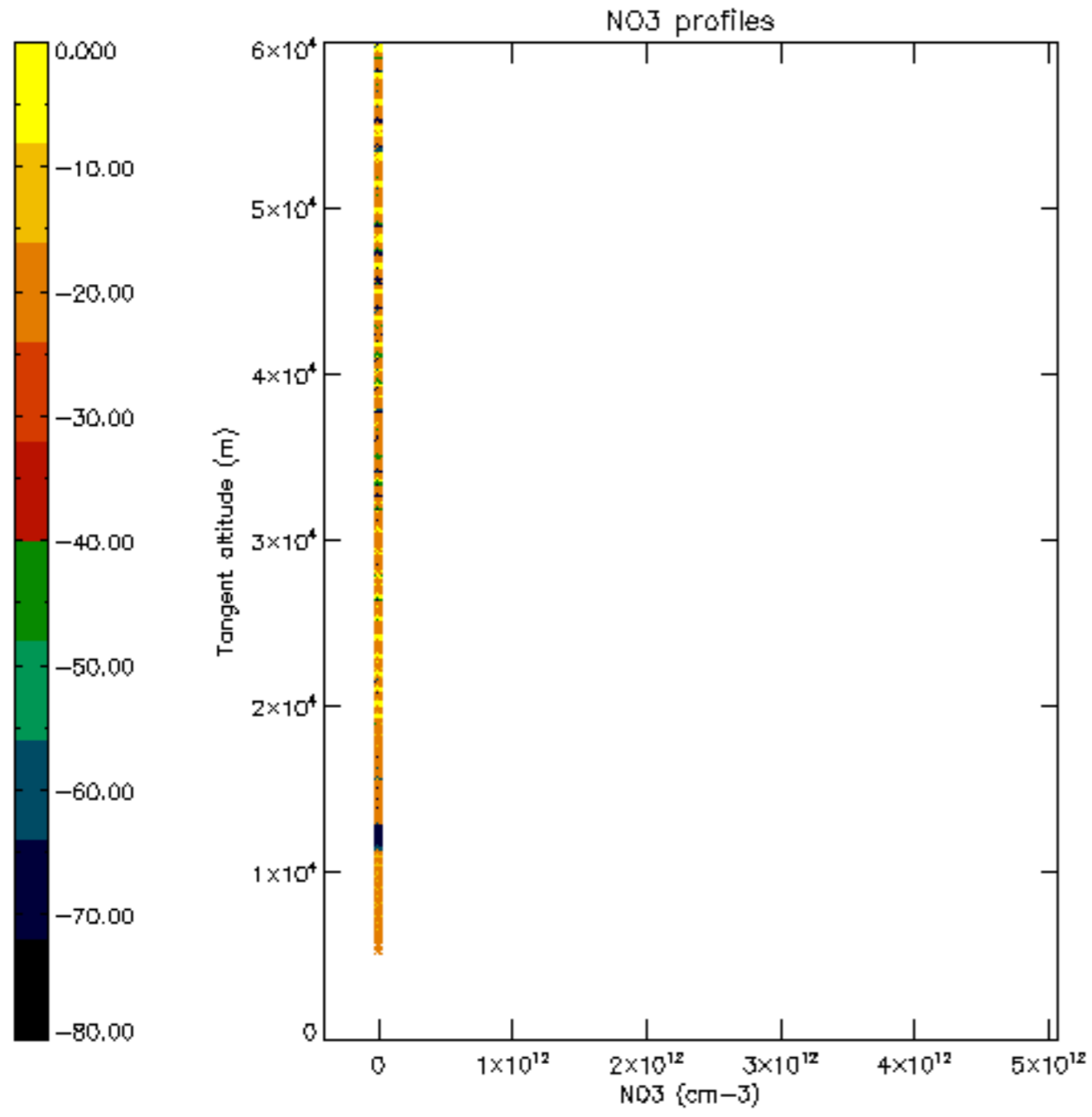


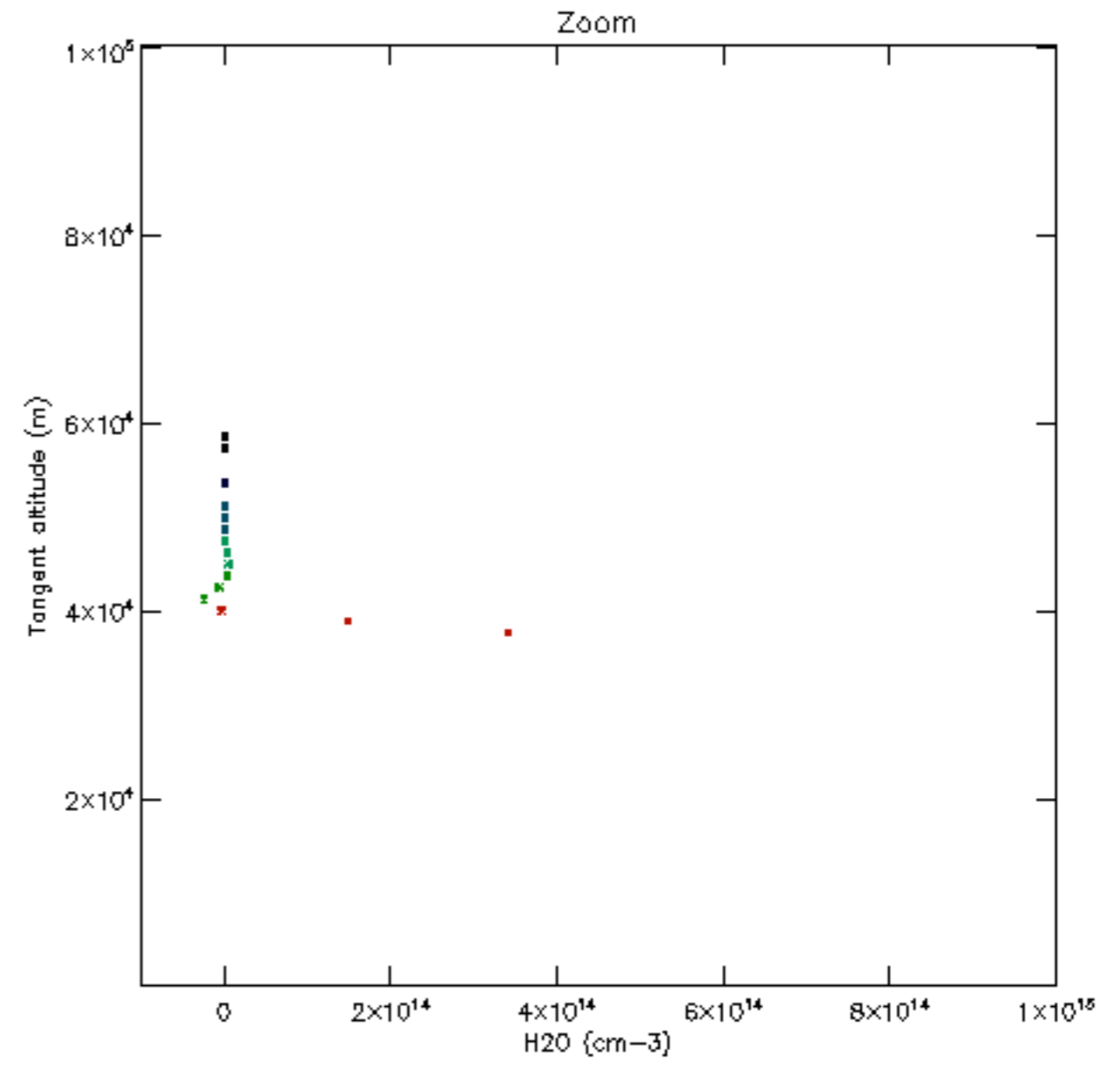
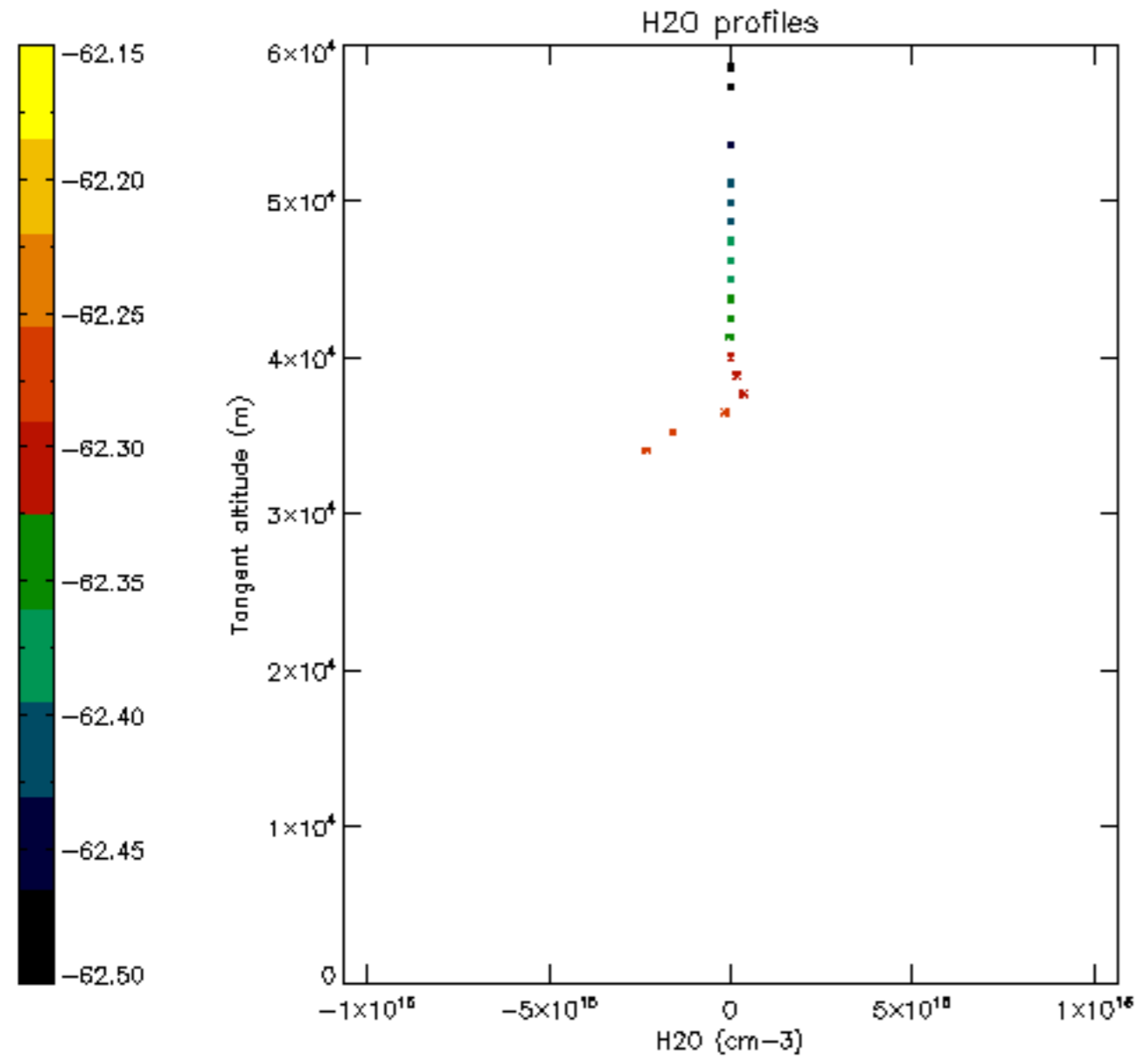


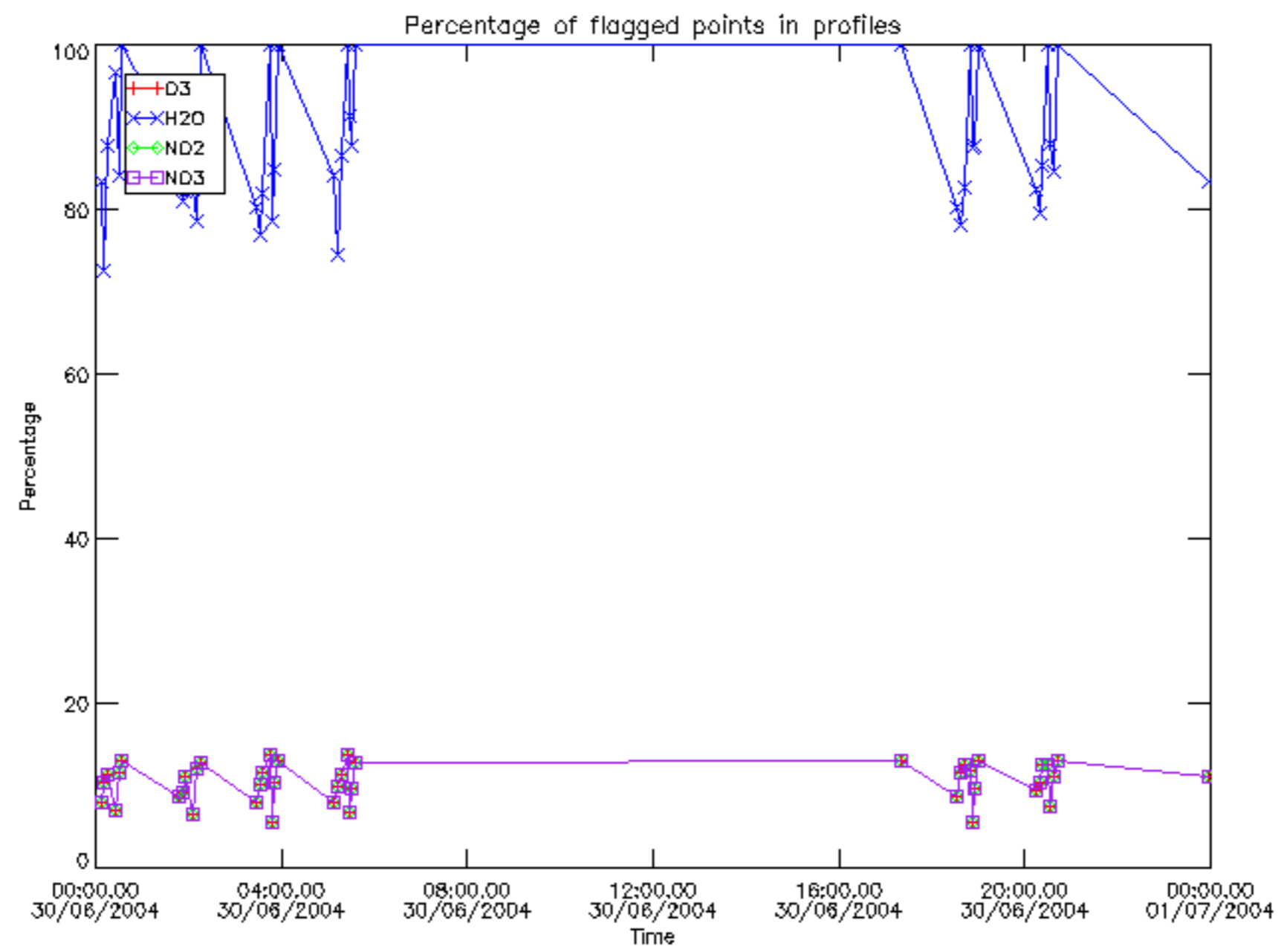




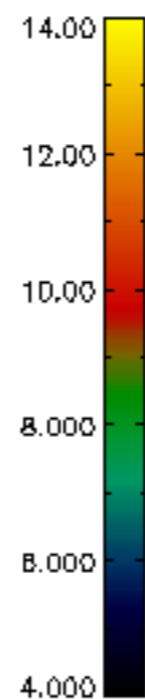
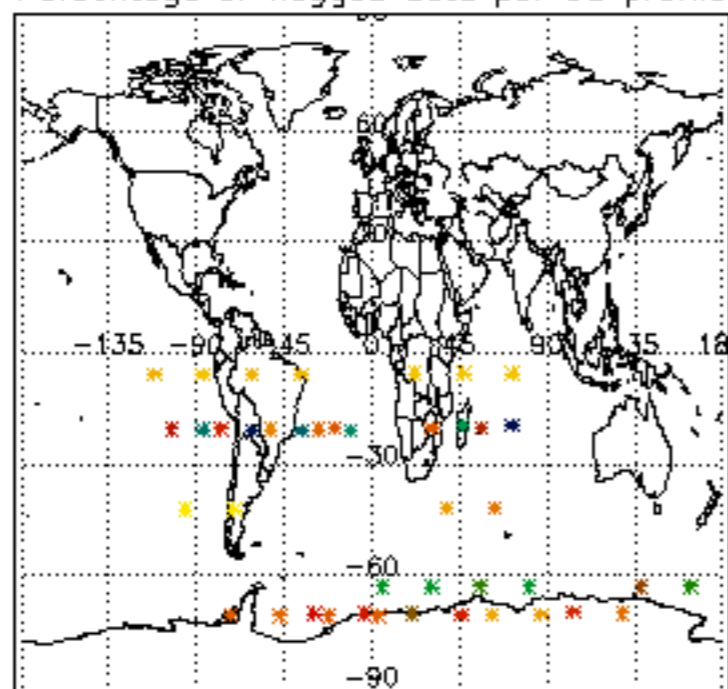




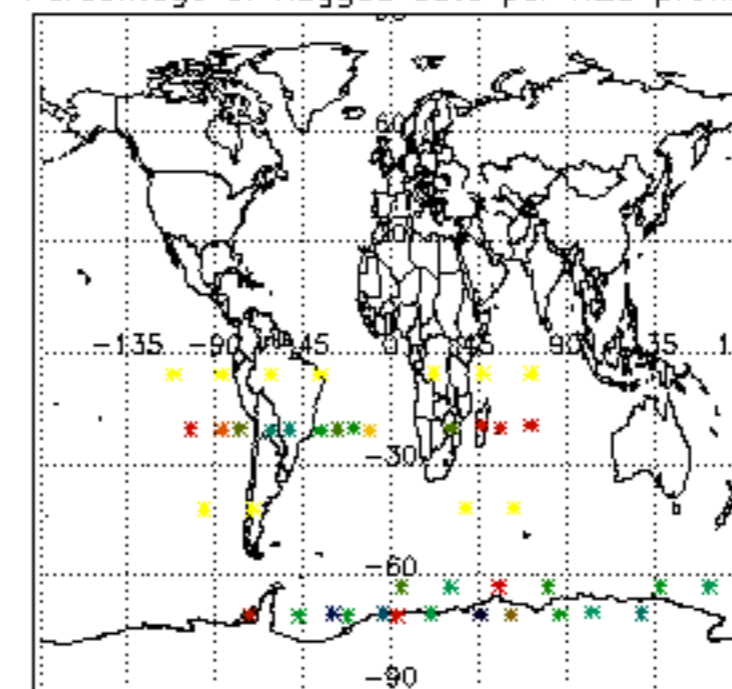




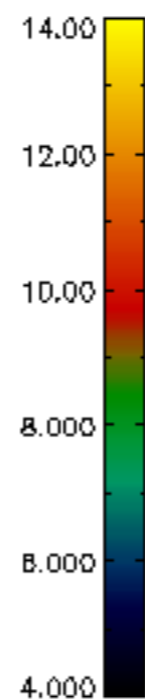
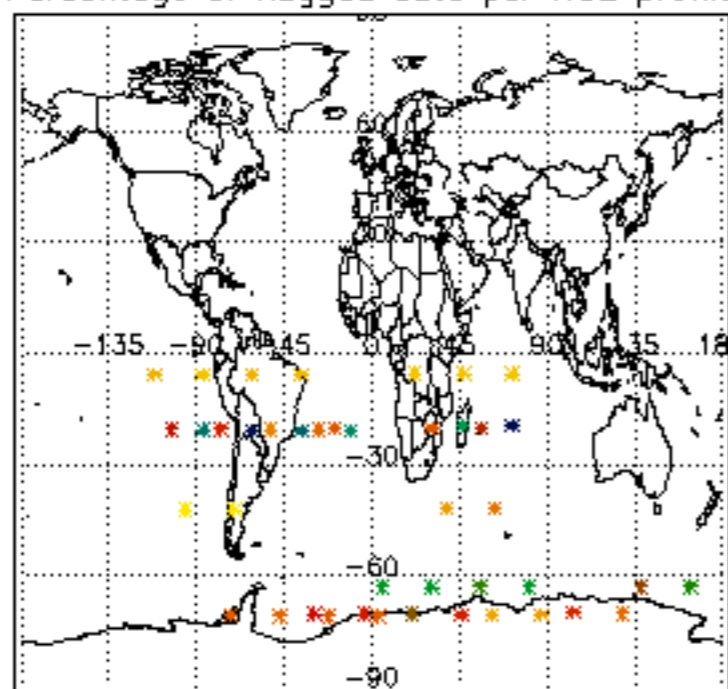
Percentage of flagged data per D3 profile



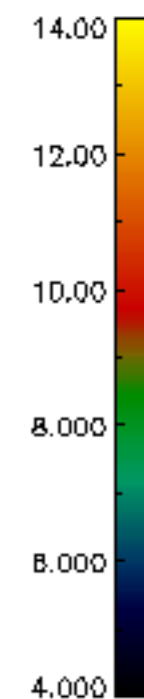
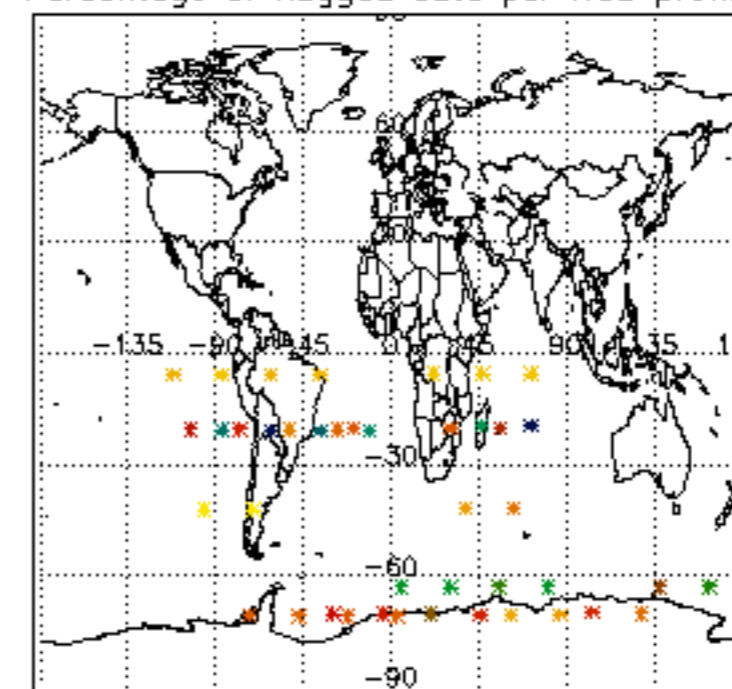
Percentage of flagged data per H2O profile

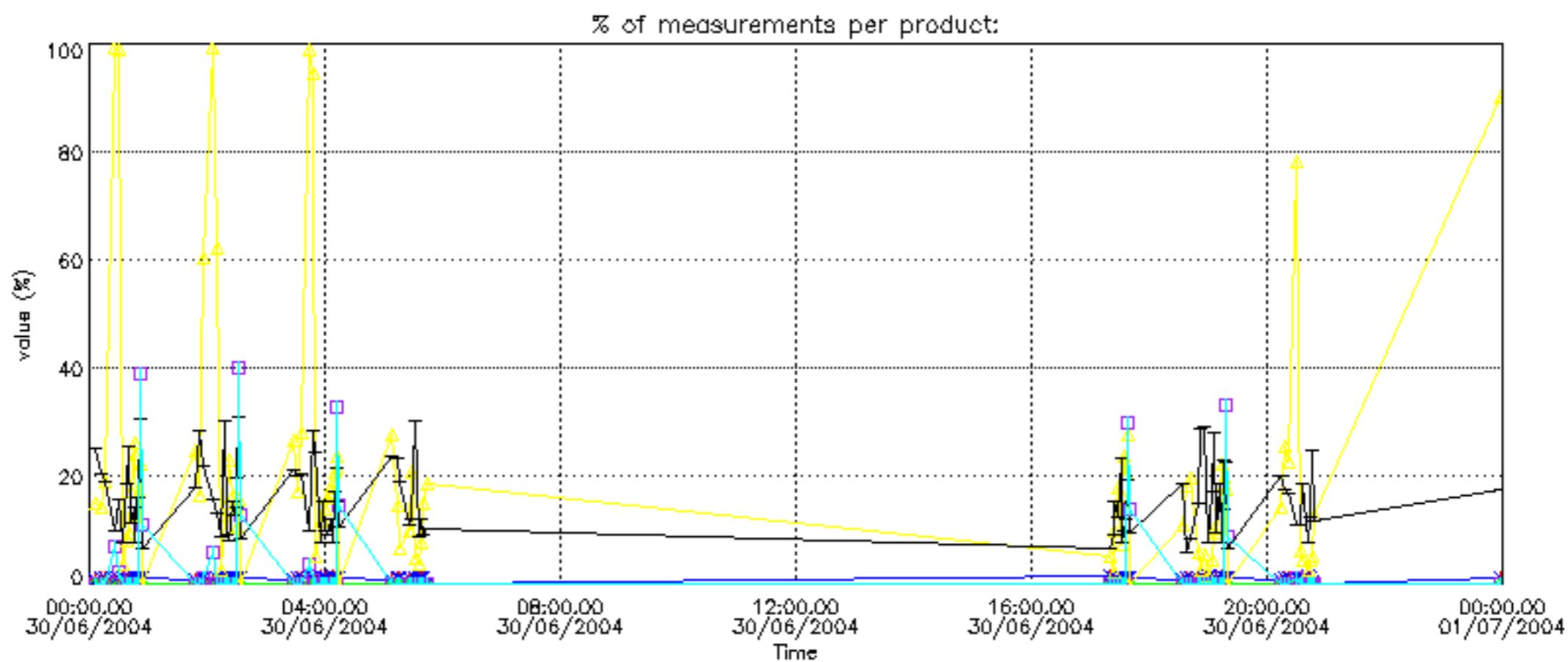
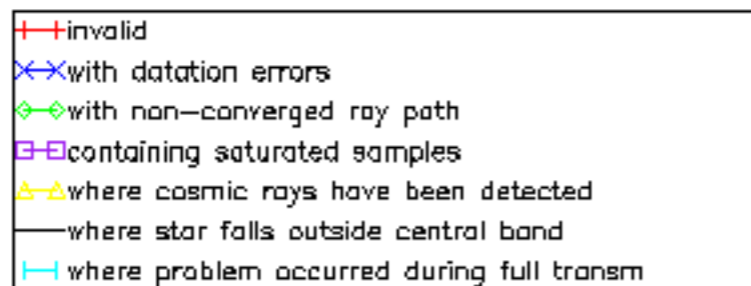


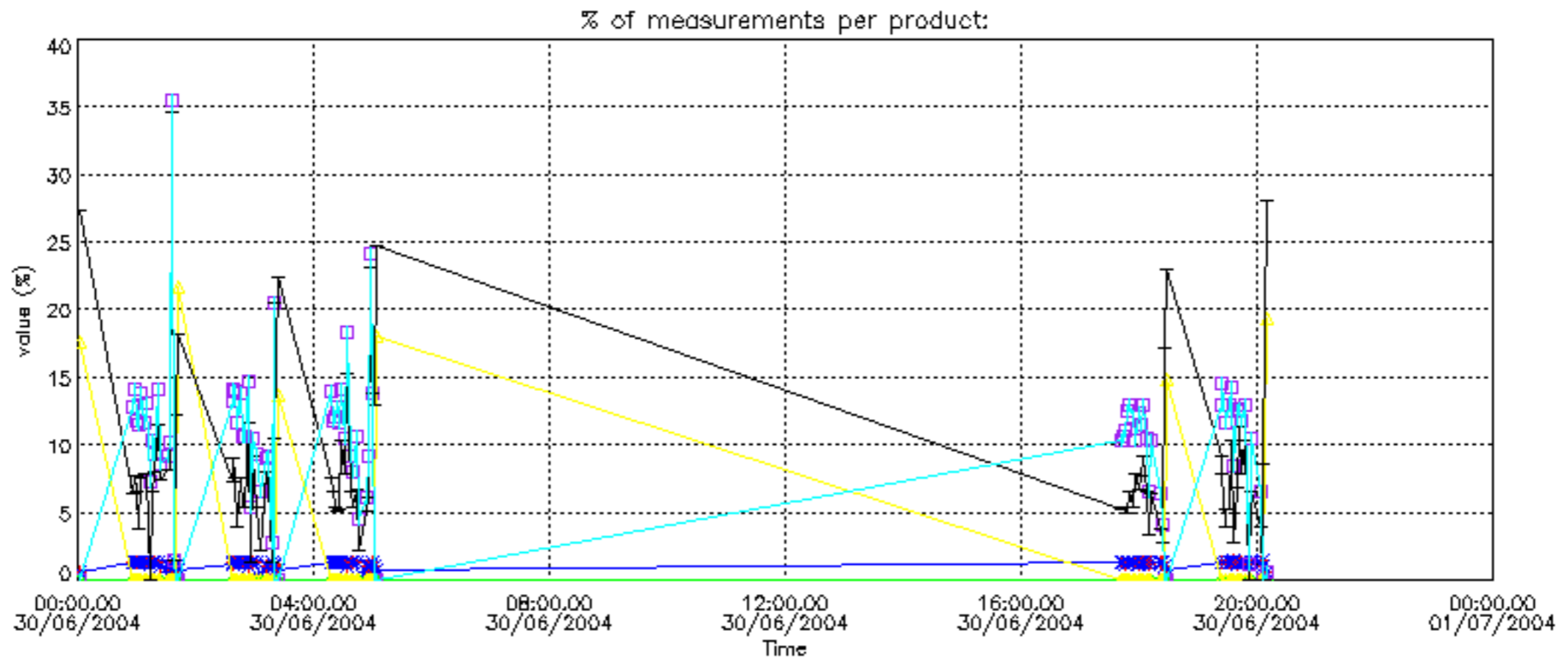
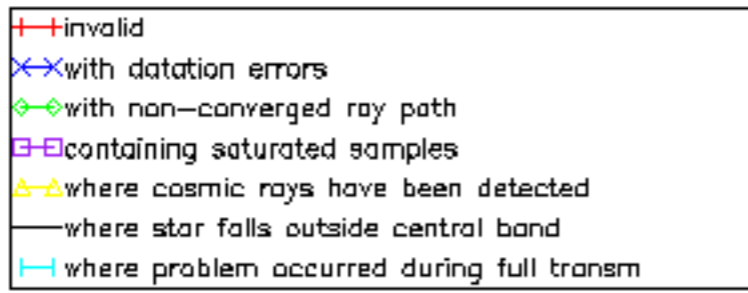
Percentage of flagged data per NO2 profile



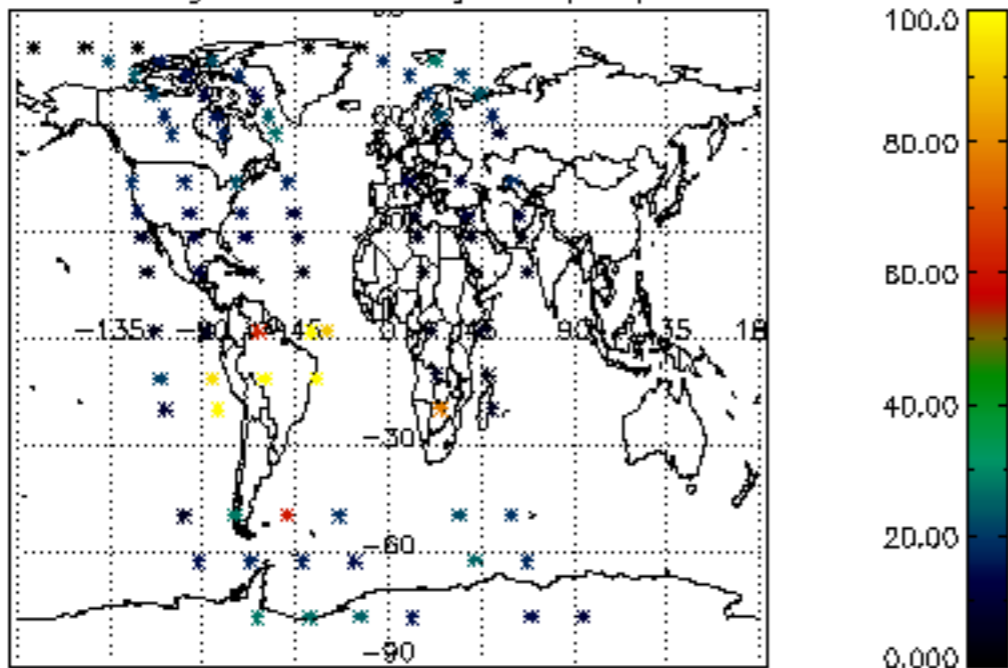
Percentage of flagged data per NO3 profile



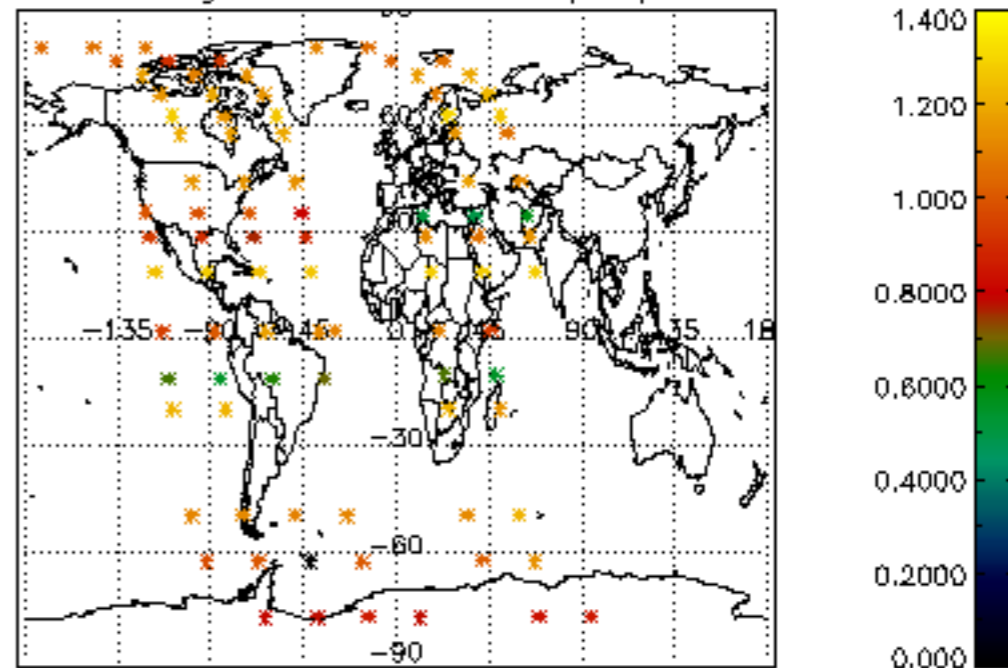




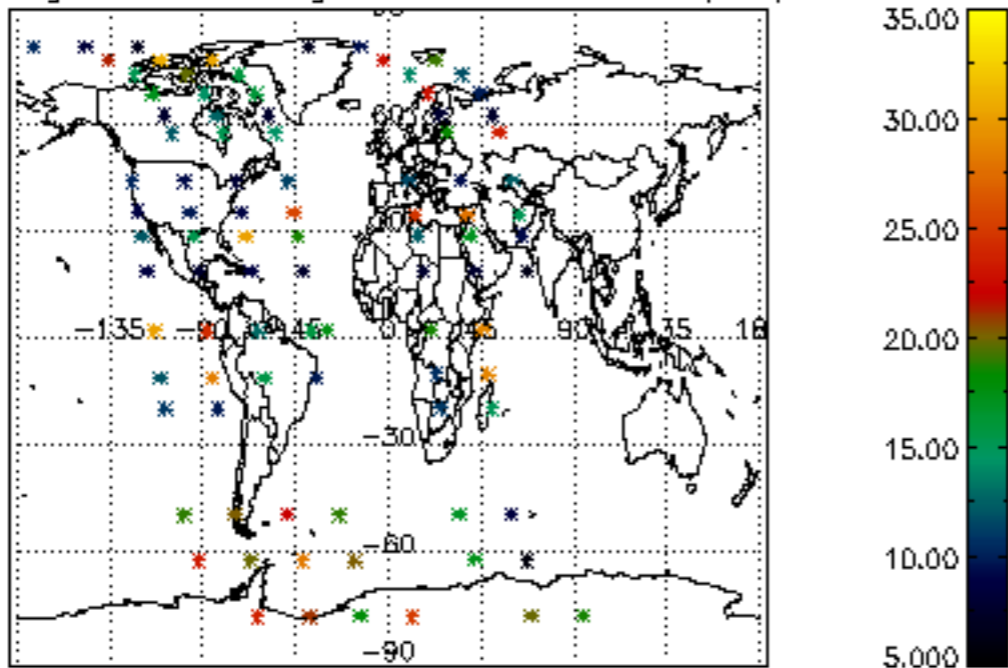
Percentage of cosmic ray hits per profile



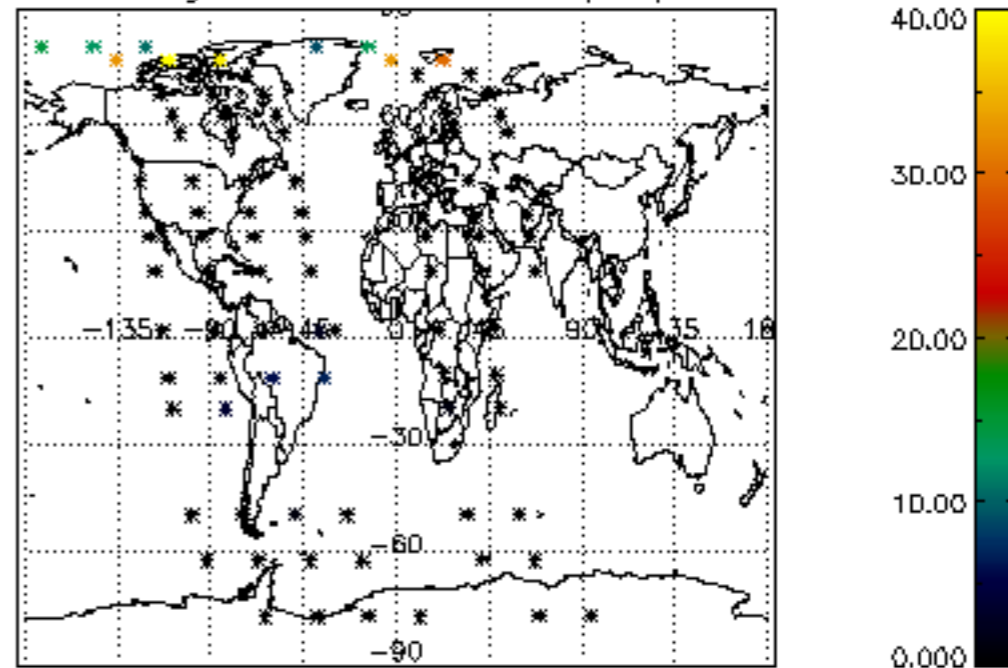
Percentage of datation errors per profile



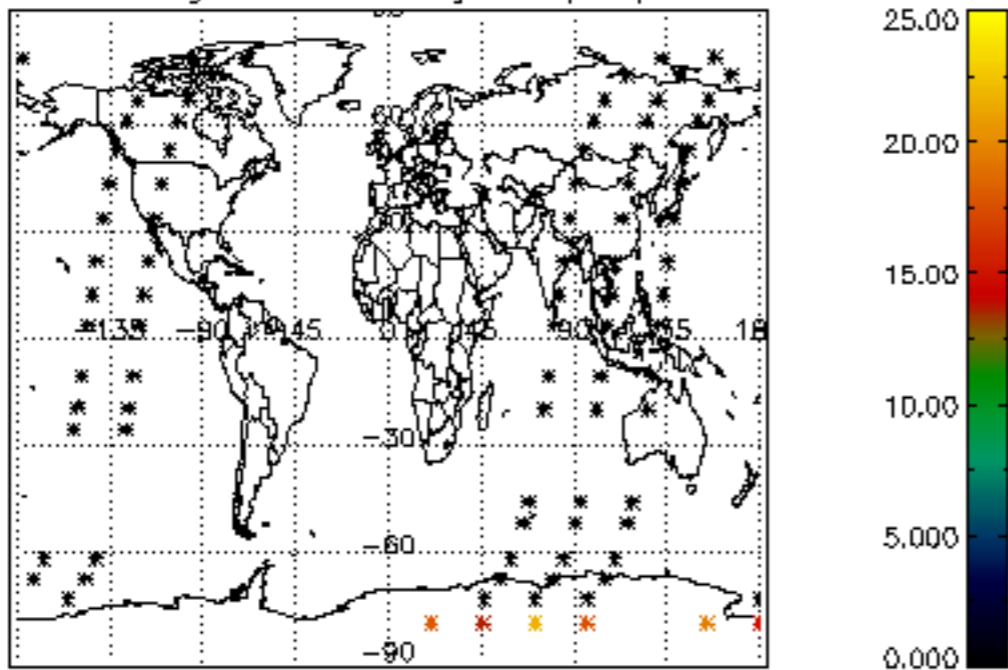
Percentage of star falling outside central band per profile



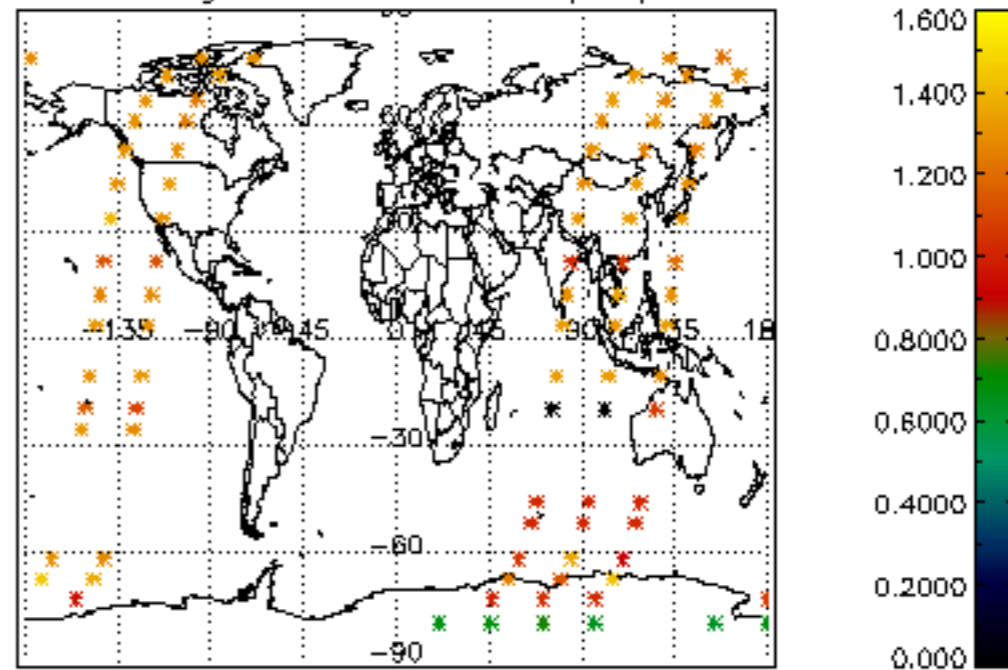
Percentage of saturation errors per profile



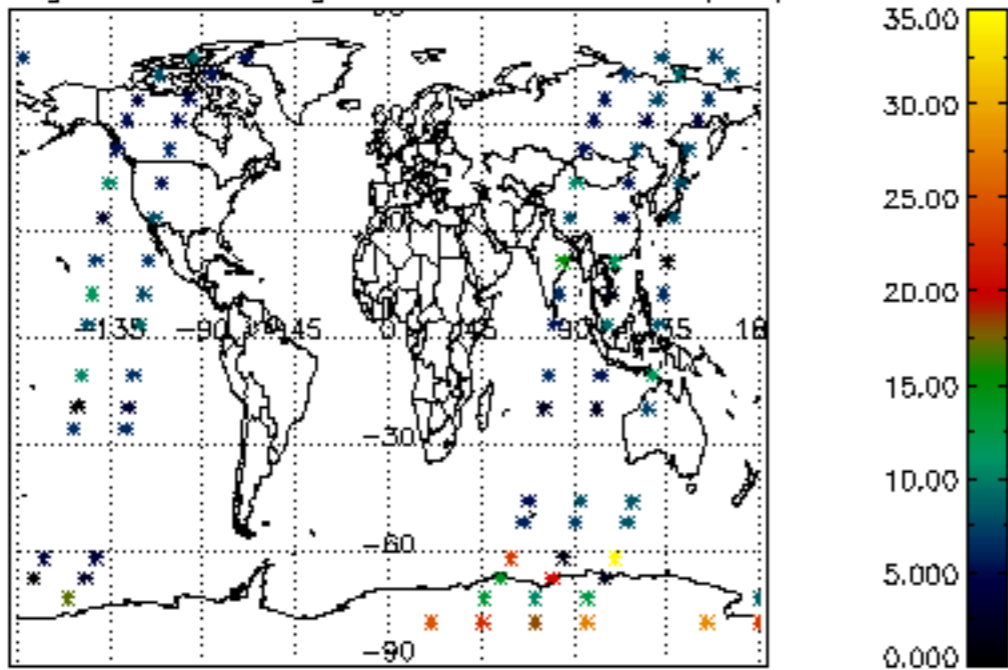
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

