

# 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	19APR2013 20:39:29
Data source version	GOMOS/6.01
Start time of products	24-09-2003 (24SEP2003 00:00:00)
Stop time of products	25-09-2003 (25SEP2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	386
Nb of prods with errors	14

## 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__2PRFIN20030924_000427_000002552020_00116_08186_0187.N1	24-SEP-2003 00:04:27	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8186	No
2	GOM_NL__2PRFIN20030924_000939_000001082020_00116_08186_0188.N1	24-SEP-2003 00:09:39	Straylight	107.50	151	13Mu Gem	2.8900	3000.0	215	8186	No
3	GOM_NL__2PRFIN20030924_001303_000000672020_00116_08186_0189.N1	24-SEP-2003 00:13:03	Dark	66.500	8	10Alp CMi	0.40000	6500.0	133	8186	No
4	GOM_NL__2PRFIN20030924_002020_000000452020_00116_08186_0190.N1	24-SEP-2003 00:20:20	Dark	44.500	132	15Rho Pup	2.8030	6900.0	89	8186	No
5	GOM_NL__2PRFIN20030924_002316_000000742020_00116_08186_0191.N1	24-SEP-2003 00:23:16	Dark	73.500	1	9Alp CMa	-1.4400	11000.	147	8186	No
6	GOM_NL__2PRFIN20030924_002657_000000432020_00116_08186_0192.N1	24-SEP-2003 00:26:57	Dark	43.000	46	Del Vel	1.9540	10600.	86	8186	No
7	GOM_NL__2PRFIN20030924_003041_000000532020_00117_08187_0273.N1	24-SEP-2003 00:30:41	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	8187	No
8	GOM_NL__2PRFIN20030924_003858_000000382020_00117_08187_0274.N1	24-SEP-2003 00:38:58	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	8187	No
9	GOM_NL__2PRFIN20030924_004036_000000422020_00117_08187_0275.N1	24-SEP-2003 00:40:36	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	8187	No
10	GOM_NL__2PRFIN20030924_004203_000000472020_00117_08187_0276.N1	24-SEP-2003 00:42:03	Dark	46.500	9	Alp Eri	0.45300	24000.	93	8187	No
11	GOM_NL__2PRFIN20030924_004426_000000402020_00117_08187_0277.N1	24-SEP-2003 00:44:26	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	8187	No
12	GOM_NL__2PRFIN20030924_004755_000000442020_00117_08187_0278.N1	24-SEP-2003 00:47:55	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	8187	No
13	GOM_NL__2PRFIN20030924_005230_000000412020_00117_08187_0279.N1	24-SEP-2003 00:52:30	Straylight	41.000	18	24Alp PsA	1.1660	9700.0	82	8187	No
14	GOM_NL__2PRFIN20030924_005450_000000562020_00117_08187_0280.N1	24-SEP-2003 00:54:50	Twilight	56.000	52	16Bet Cet	2.0370	4500.0	112	8187	No
15	GOM_NL__2PRFIN20030924_005640_000000512020_00117_08187_0281.N1	24-SEP-2003 00:56:40	Dark	51.000	1014	Mars	0.0000	0.0000	102	8187	Yes
16	GOM_NL__2PRFIN20030924_010109_000000392020_00117_08187_0282.N1	24-SEP-2003 01:01:09	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	8187	No
17	GOM_NL__2PRFIN20030924_010414_000000402020_00117_08187_0283.N1	24-SEP-2003 01:04:14	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	8187	No
18	GOM_NL__2PRFIN20030924_010605_000000442020_00117_08187_0284.N1	24-SEP-2003 01:06:05	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	8187	No
19	GOM_NL__2PRFIN20030924_010900_000000402020_00117_08187_0285.N1	24-SEP-2003 01:09:00	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	8187	No
20	GOM_NL__2PRFIN20030924_011023_000000442020_00117_08187_0286.N1	24-SEP-2003 01:10:23	Bright	43.500	58	21Alp And	2.0730	11000.	87	8187	No
21	GOM_NL__2PRFIN20030924_011451_000000402020_00117_08187_0287.N1	24-SEP-2003 01:14:51	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	8187	No
22	GOM_NL__2PRFIN20030924_011850_000000382020_00117_08187_0288.N1	24-SEP-2003 01:18:50	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	8187	No
23	GOM_NL__2PRFIN20030924_012027_000000402020_00117_08187_0289.N1	24-SEP-2003 01:20:27	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	8187	No
24	GOM_NL__2PRFIN20030924_012617_000000392020_00117_08187_0290.N1	24-SEP-2003 01:26:17	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	8187	No
25	GOM_NL__2PRFIN20030924_012749_000000382020_00117_08187_0291.N1	24-SEP-2003 01:27:49	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	8187	No
26	GOM_NL__2PRFIN20030924_013359_000000382020_00117_08187_0292.N1	24-SEP-2003 01:33:59	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	8187	No
27	GOM_NL__2PRFIN20030924_013528_000000422020_00117_08187_0293.N1	24-SEP-2003 01:35:28	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	8187	No
28	GOM_NL__2PRFIN20030924_013754_000000612020_00117_08187_0294.N1	24-SEP-2003 01:37:54	Bright	60.500	42	34Bet Aur	1.9000	10200.	121	8187	No
29	GOM_NL__2PRFIN20030924_014503_000002552020_00117_08187_0295.N1	24-SEP-2003 01:45:03	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8187	No
30	GOM_NL__2PRFIN20030924_015016_000001082020_00117_08187_0296.N1	24-SEP-2003 01:50:16	Straylight	108.00	151	13Mu Gem	2.8900	3000.0	216	8187	No
31	GOM_NL__2PRFIN20030924_015340_000000622020_00117_08187_0297.N1	24-SEP-2003 01:53:40	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	8187	No
32	GOM_NL__2PRFIN20030924_020058_000000462020_00117_08187_0298.N1	24-SEP-2003 02:00:58	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	8187	No
33	GOM_NL__2PRFIN20030924_020354_000000702020_00117_08187_0299.N1	24-SEP-2003 02:03:54	Dark	70.000	1	9Alp CMa	-1.4400	11000.	140	8187	No
34	GOM_NL__2PRFIN20030924_020734_000000392020_00117_08187_0300.N1	24-SEP-2003 02:07:34	Dark	39.000	46	Del Vel	1.9540	10600.	78	8187	No
35	GOM_NL__2PRFIN20030924_021118_000000582020_00118_08188_0274.N1	24-SEP-2003 02:11:18	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	8188	No
36	GOM_NL__2PRFIN20030924_021934_000000402020_00118_08188_0275.N1	24-SEP-2003 02:19:34	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	8188	No
37	GOM_NL__2PRFIN20030924_022113_000000432020_00118_08188_0276.N1	24-SEP-2003 02:21:13	Dark	43.000	143	Alp Hyi	2.8570	7200.0	86	8188	No
38	GOM_NL__2PRFIN20030924_022240_000000472020_00118_08188_0277.N1	24-SEP-2003 02:22:40	Dark	47.000	9	Alp Eri	0.45300	24000.	94	8188	No
39	GOM_NL__2PRFIN20030924_022501_000000422020_00118_08188_0278.N1	24-SEP-2003 02:25:01	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	8188	No
40	GOM_NL__2PRFIN20030924_022831_000000452020_00118_08188_0279.N1	24-SEP-2003 02:28:31	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	8188	No
41	GOM_NL__2PRFIN20030924_023306_000000422020_00118_08188_0280.N1	24-SEP-2003 02:33:06	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	8188	No
42	GOM_NL__2PRFIN20030924_023527_000000562020_00118_08188_0281.N1	24-SEP-2003 02:35:27	Twilight	56.000	52	16Bet Cet	2.0370	4500.0	112	8188	No

43	GOM_NL__2PRFIN20030924_023716_000000492020_00118_08188_0282.N1	24-SEP-2003 02:37:16	Dark	49.000	1014	Mars	0.0000	0.0000	98	8188	Yes
44	GOM_NL__2PRFIN20030924_024146_000000392020_00118_08188_0283.N1	24-SEP-2003 02:41:46	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	8188	No
45	GOM_NL__2PRFIN20030924_024450_000000392020_00118_08188_0284.N1	24-SEP-2003 02:44:50	Bright	39.000	61	8Eps Peg	2.1000	3900.0	78	8188	No
46	GOM_NL__2PRFIN20030924_024640_000000442020_00118_08188_0285.N1	24-SEP-2003 02:46:40	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	8188	No
47	GOM_NL__2PRFIN20030924_024936_000000412020_00118_08188_0286.N1	24-SEP-2003 02:49:36	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	8188	No
48	GOM_NL__2PRFIN20030924_025058_000000432020_00118_08188_0287.N1	24-SEP-2003 02:50:58	Bright	42.500	58	21Alp And	2.0730	11000.	85	8188	No
49	GOM_NL__2PRFIN20030924_025527_000000402020_00118_08188_0288.N1	24-SEP-2003 02:55:27	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	8188	No
50	GOM_NL__2PRFIN20030924_025926_000000372020_00118_08188_0289.N1	24-SEP-2003 02:59:26	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	8188	No
51	GOM_NL__2PRFIN20030924_030102_000000392020_00118_08188_0290.N1	24-SEP-2003 03:01:02	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	8188	No
52	GOM_NL__2PRFIN20030924_030653_000000352020_00118_08188_0291.N1	24-SEP-2003 03:06:53	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	8188	No
53	GOM_NL__2PRFIN20030924_030825_000000382020_00118_08188_0292.N1	24-SEP-2003 03:08:25	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	8188	No
54	GOM_NL__2PRFIN20030924_031435_000000382020_00118_08188_0293.N1	24-SEP-2003 03:14:35	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	8188	No
55	GOM_NL__2PRFIN20030924_031604_000000462020_00118_08188_0294.N1	24-SEP-2003 03:16:04	Bright	46.000	82	48Bet UMa	2.3650	10600.	92	8188	No
56	GOM_NL__2PRFIN20030924_031829_000000632020_00118_08188_0295.N1	24-SEP-2003 03:18:29	Bright	63.000	42	34Bet Aur	1.9000	10200.	126	8188	No
57	GOM_NL__2PRFIN20030924_032539_000002552020_00118_08188_0296.N1	24-SEP-2003 03:25:39	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8188	No
58	GOM_NL__2PRFIN20030924_033053_000001092020_00118_08188_0297.N1	24-SEP-2003 03:30:53	Straylight	109.00	151	13Mu Gem	2.8900	3000.0	218	8188	No
59	GOM_NL__2PRFIN20030924_033417_000000602020_00118_08188_0298.N1	24-SEP-2003 03:34:17	Dark	60.000	8	10Alp CMi	0.40000	6500.0	120	8188	No
60	GOM_NL__2PRFIN20030924_034133_000000462020_00118_08188_0299.N1	24-SEP-2003 03:41:33	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	8188	No
61	GOM_NL__2PRFIN20030924_034430_000000712020_00118_08188_0300.N1	24-SEP-2003 03:44:30	Dark	71.000	1	9Alp CMa	-1.4400	11000.	142	8188	No
62	GOM_NL__2PRFIN20030924_034809_000000422020_00118_08188_0301.N1	24-SEP-2003 03:48:09	Dark	42.000	46	Del Vel	1.9540	10600.	84	8188	No
63	GOM_NL__2PRFIN20030924_035155_000000522020_00119_08189_0165.N1	24-SEP-2003 03:51:55	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	8189	No
64	GOM_NL__2PRFIN20030924_040009_000000412020_00119_08189_0166.N1	24-SEP-2003 04:00:09	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	8189	No
65	GOM_NL__2PRFIN20030924_040148_000000432020_00119_08189_0167.N1	24-SEP-2003 04:01:48	Dark	43.000	143	Alp Hyi	2.8570	7200.0	86	8189	No
66	GOM_NL__2PRFIN20030924_040316_000000452020_00119_08189_0168.N1	24-SEP-2003 04:03:16	Dark	45.000	9	Alp Eri	0.45300	24000.	90	8189	No
67	GOM_NL__2PRFIN20030924_040537_000000432020_00119_08189_0169.N1	24-SEP-2003 04:05:37	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	8189	No
68	GOM_NL__2PRFIN20030924_040907_000000462020_00119_08189_0170.N1	24-SEP-2003 04:09:07	Straylight	45.500	63	Bet Gru	2.1500	2800.0	91	8189	No
69	GOM_NL__2PRFIN20030924_041342_000000462020_00119_08189_0171.N1	24-SEP-2003 04:13:42	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	8189	No
70	GOM_NL__2PRFIN20030924_041602_000000572020_00119_08189_0172.N1	24-SEP-2003 04:16:02	Twilight	56.500	52	16Bet Cet	2.0370	4500.0	113	8189	No
71	GOM_NL__2PRFIN20030924_041752_000000512020_00119_08189_0173.N1	24-SEP-2003 04:17:52	Dark	51.000	1014	Mars	0.0000	0.0000	102	8189	Yes
72	GOM_NL__2PRFIN20030924_042221_000000402020_00119_08189_0174.N1	24-SEP-2003 04:22:21	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	8189	No
73	GOM_NL__2PRFIN20030924_042526_000000382020_00119_08189_0175.N1	24-SEP-2003 04:25:26	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	8189	No
74	GOM_NL__2PRFIN20030924_042715_000000452020_00119_08189_0176.N1	24-SEP-2003 04:27:15	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	8189	No
75	GOM_NL__2PRFIN20030924_043011_000000392020_00119_08189_0177.N1	24-SEP-2003 04:30:11	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	8189	No
76	GOM_NL__2PRFIN20030924_043133_000000462020_00119_08189_0178.N1	24-SEP-2003 04:31:33	Bright	45.500	58	21Alp And	2.0730	11000.	91	8189	No
77	GOM_NL__2PRFIN20030924_043603_000000372020_00119_08189_0179.N1	24-SEP-2003 04:36:03	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	8189	No
78	GOM_NL__2PRFIN20030924_044001_000000362020_00119_08189_0180.N1	24-SEP-2003 04:40:01	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	8189	No
79	GOM_NL__2PRFIN20030924_044137_000000422020_00119_08189_0181.N1	24-SEP-2003 04:41:37	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	8189	No
80	GOM_NL__2PRFIN20030924_044729_000000402020_00119_08189_0182.N1	24-SEP-2003 04:47:29	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	8189	No
81	GOM_NL__2PRFIN20030924_044901_000000372020_00119_08189_0183.N1	24-SEP-2003 04:49:01	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	8189	No
82	GOM_NL__2PRFIN20030924_045511_000000402020_00119_08189_0184.N1	24-SEP-2003 04:55:11	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	8189	No
83	GOM_NL__2PRFIN20030924_045640_000000372020_00119_08189_0185.N1	24-SEP-2003 04:56:40	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	8189	No
84	GOM_NL__2PRFIN20030924_045905_000000642020_00119_08189_0186.N1	24-SEP-2003 04:59:05	Bright	64.000	42	34Bet Aur	1.9000	10200.	128	8189	No
85	GOM_NL__2PRFIN20030924_050615_000002552020_00119_08189_0187.N1	24-SEP-2003 05:06:15	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8189	No
86	GOM_NL__2PRFIN20030924_051130_000001012020_00119_08189_0188.N1	24-SEP-2003 05:11:30	Straylight	100.50	151	13Mu Gem	2.8900	3000.0	201	8189	No
87	GOM_NL__2PRFIN20030924_051453_000000672020_00119_08189_0189.N1	24-SEP-2003 05:14:53	Dark	66.500	8	10Alp CMi	0.40000	6500.0	133	8189	No
88	GOM_NL__2PRFIN20030924_052210_000000482020_00119_08189_0190.N1	24-SEP-2003 05:22:10	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	8189	No
89	GOM_NL__2PRFIN20030924_052508_000000832020_00119_08189_0191.N1	24-SEP-2003 05:25:08	Dark	82.500	1	9Alp CMa	-1.4400	11000.	165	8189	No
90	GOM_NL__2PRFIN20030924_052846_000000432020_00119_08189_0192.N1	24-SEP-2003 05:28:46	Dark	43.000	46	Del Vel	1.9540	10600.	86	8189	No
91	GOM_NL__2PRFIN20030924_053415_000001092020_00120_08190_0348.N1	24-SEP-2003 05:34:15	Dark	108.50	101	11Alp Lep	2.5820	7000.0	217	8190	No
92	GOM_NL__2PRFIN20030924_054046_000000392020_00120_08190_0349.N1	24-SEP-2003 05:40:46	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	8190	No
93	GOM_NL__2PRFIN20030924_054225_000000422020_00120_08190_0350.N1	24-SEP-2003 05:42:25	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	8190	No
94	GOM_NL__2PRFIN20030924_054352_000000442020_00120_08190_0351.N1	24-SEP-2003 05:43:52	Dark	44.000	9	Alp Eri	0.45300	24000.	88	8190	No
95	GOM_NL__2PRFIN20030924_054613_000000472020_00120_08190_0352.N1	24-SEP-2003 05:46:13	Straylight	46.500	148	Alp Tuc	2.8780	4100.0	93	8190	No
96	GOM_NL__2PRFIN20030924_055000_000000402020_00120_08190_0353.N1	24-SEP-2003 05:50:00	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	8190	No
97	GOM_NL__2PRFIN20030924_055418_000000442020_00120_08190_0354.N1	24-SEP-2003 05:54:18	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	8190	No
98	GOM_NL__2PRFIN20030924_055639_000000562020_00120_08190_0355.N1	24-SEP-2003 05:56:39	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	8190	No
99	GOM_NL__2PRFIN20030924_055828_000000512020_00120_08190_0356.N1	24-SEP-2003 05:58:28	Dark	51.000	1014	Mars	0.0000	0.0000	102	8190	Yes
100	GOM_NL__2PRFIN20030924_060257_000000392020_00120_08190_0357.N1	24-SEP-2003 06:02:57	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	8190	No
101	GOM_NL__2PRFIN20030924_060703_000000382020_00120_08190_0358.N1	24-SEP-2003 06:07:03	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	8190	No

102	GOM_NL__2PRFIN20030924_061047_000000392020_00120_08190_0359.N1	24-SEP-2003 06:10:47	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	8190	No
103	GOM_NL__2PRFIN20030924_061209_000000442020_00120_08190_0360.N1	24-SEP-2003 06:12:09	Bright	43.500	58	21Alp And	2.0730	11000.	87	8190	No
104	GOM_NL__2PRFIN20030924_061640_000000412020_00120_08190_0361.N1	24-SEP-2003 06:16:40	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	8190	No
105	GOM_NL__2PRFIN20030924_062037_000000392020_00120_08190_0362.N1	24-SEP-2003 06:20:37	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	8190	No
106	GOM_NL__2PRFIN20030924_062213_000000432020_00120_08190_0363.N1	24-SEP-2003 06:22:13	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	8190	No
107	GOM_NL__2PRFIN20030924_062805_000000382020_00120_08190_0364.N1	24-SEP-2003 06:28:05	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	8190	No
108	GOM_NL__2PRFIN20030924_062938_000000402020_00120_08190_0365.N1	24-SEP-2003 06:29:38	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	8190	No
109	GOM_NL__2PRFIN20030924_063548_000000402020_00120_08190_0366.N1	24-SEP-2003 06:35:48	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	8190	No
110	GOM_NL__2PRFIN20030924_063716_000000362020_00120_08190_0367.N1	24-SEP-2003 06:37:16	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	8190	No
111	GOM_NL__2PRFIN20030924_063940_000000642020_00120_08190_0368.N1	24-SEP-2003 06:39:40	Bright	64.000	42	34Bet Aur	1.9000	10200.	128	8190	No
112	GOM_NL__2PRFIN20030924_064337_000000742020_00120_08190_0369.N1	24-SEP-2003 06:43:37	Bright	74.000	107	37The Aur	2.6490	11000.	148	8190	No
113	GOM_NL__2PRFIN20030924_064652_000002552020_00120_08190_0370.N1	24-SEP-2003 06:46:52	Tw_i_and_stray	255.00	114	3Iot Aur	2.6930	4600.0	510	8190	No
114	GOM_NL__2PRFIN20030924_065207_000001042020_00120_08190_0371.N1	24-SEP-2003 06:52:07	Straylight	104.00	151	13Mu Gem	2.8900	3000.0	208	8190	No
115	GOM_NL__2PRFIN20030924_065530_000000612020_00120_08190_0372.N1	24-SEP-2003 06:55:30	Dark	61.000	8	10Alp CMi	0.40000	6500.0	122	8190	No
116	GOM_NL__2PRFIN20030924_070247_000000482020_00120_08190_0373.N1	24-SEP-2003 07:02:47	Dark	48.000	132	15Rho Pup	2.8030	6900.0	96	8190	No
117	GOM_NL__2PRFIN20030924_070545_000000712020_00120_08190_0374.N1	24-SEP-2003 07:05:45	Dark	71.000	1	9Alp CMa	-1.4400	11000.	142	8190	No
118	GOM_NL__2PRFIN20030924_070922_000000412020_00120_08190_0375.N1	24-SEP-2003 07:09:22	Dark	41.000	46	Del Vel	1.9540	10600.	82	8190	No
119	GOM_NL__2PRFIN20030924_071453_000001072020_00121_08191_0180.N1	24-SEP-2003 07:14:53	Dark	107.00	101	11Alp Lep	2.5820	7000.0	214	8191	No
120	GOM_NL__2PRFIN20030924_072121_000000412020_00121_08191_0181.N1	24-SEP-2003 07:21:21	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	8191	No
121	GOM_NL__2PRFIN20030924_072300_000000432020_00121_08191_0182.N1	24-SEP-2003 07:23:00	Dark	42.500	143	Alp Hyi	2.8570	7200.0	85	8191	No
122	GOM_NL__2PRFIN20030924_072429_000000532020_00121_08191_0183.N1	24-SEP-2003 07:24:29	Dark	53.000	9	Alp Eri	0.45300	24000.	106	8191	No
123	GOM_NL__2PRFIN20030924_072649_000000402020_00121_08191_0184.N1	24-SEP-2003 07:26:49	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	8191	No
124	GOM_NL__2PRFIN20030924_073036_000000412020_00121_08191_0185.N1	24-SEP-2003 07:30:36	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	8191	No
125	GOM_NL__2PRFIN20030924_073453_000000452020_00121_08191_0186.N1	24-SEP-2003 07:34:53	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	8191	No
126	GOM_NL__2PRFIN20030924_073715_000000572020_00121_08191_0187.N1	24-SEP-2003 07:37:15	Tw_i_and_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	8191	No
127	GOM_NL__2PRFIN20030924_073904_000000512020_00121_08191_0188.N1	24-SEP-2003 07:39:04	Dark	50.500	1014	Mars	0.0000	0.0000	101	8191	Yes
128	GOM_NL__2PRFIN20030924_074333_000000392020_00121_08191_0189.N1	24-SEP-2003 07:43:33	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	8191	No
129	GOM_NL__2PRFIN20030924_074738_000000402020_00121_08191_0190.N1	24-SEP-2003 07:47:38	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	8191	No
130	GOM_NL__2PRFIN20030924_075123_000000402020_00121_08191_0191.N1	24-SEP-2003 07:51:23	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	8191	No
131	GOM_NL__2PRFIN20030924_075244_000000452020_00121_08191_0192.N1	24-SEP-2003 07:52:44	Bright	44.500	58	21Alp And	2.0730	11000.	89	8191	No
132	GOM_NL__2PRFIN20030924_075716_000000382020_00121_08191_0193.N1	24-SEP-2003 07:57:16	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	8191	No
133	GOM_NL__2PRFIN20030924_080111_000000412020_00121_08191_0194.N1	24-SEP-2003 08:01:11	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	8191	No
134	GOM_NL__2PRFIN20030924_080248_000000422020_00121_08191_0195.N1	24-SEP-2003 08:02:48	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	8191	No
135	GOM_NL__2PRFIN20030924_080840_000000382020_00121_08191_0196.N1	24-SEP-2003 08:08:40	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	8191	No
136	GOM_NL__2PRFIN20030924_081014_000000402020_00121_08191_0197.N1	24-SEP-2003 08:10:14	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	8191	No
137	GOM_NL__2PRFIN20030924_081623_000000372020_00121_08191_0198.N1	24-SEP-2003 08:16:23	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	8191	No
138	GOM_NL__2PRFIN20030924_081752_000000382020_00121_08191_0199.N1	24-SEP-2003 08:17:52	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	8191	No
139	GOM_NL__2PRFIN20030924_082015_000000652020_00121_08191_0200.N1	24-SEP-2003 08:20:15	Bright	65.000	42	34Bet Aur	1.9000	10200.	130	8191	No
140	GOM_NL__2PRFIN20030924_082413_000000752020_00121_08191_0201.N1	24-SEP-2003 08:24:13	Bright	75.000	107	37The Aur	2.6490	11000.	150	8191	No
141	GOM_NL__2PRFIN20030924_082728_000002552020_00121_08191_0202.N1	24-SEP-2003 08:27:28	Tw_i_and_stray	255.00	114	3Iot Aur	2.6930	4600.0	510	8191	No
142	GOM_NL__2PRFIN20030924_083244_000001062020_00121_08191_0203.N1	24-SEP-2003 08:32:44	Straylight	106.00	151	13Mu Gem	2.8900	3000.0	212	8191	No
143	GOM_NL__2PRFIN20030924_083607_000000682020_00121_08191_0204.N1	24-SEP-2003 08:36:07	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	8191	No
144	GOM_NL__2PRFIN20030924_084324_000000462020_00121_08191_0205.N1	24-SEP-2003 08:43:24	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	8191	No
145	GOM_NL__2PRFIN20030924_084623_000000832020_00121_08191_0206.N1	24-SEP-2003 08:46:23	Dark	83.000	1	9Alp CMa	-1.4400	11000.	166	8191	No
146	GOM_NL__2PRFIN20030924_084958_000000412020_00121_08191_0207.N1	24-SEP-2003 08:49:58	Dark	40.500	46	Del Vel	1.9540	10600.	81	8191	No
147	GOM_NL__2PRFIN20030924_085532_000001062020_00122_08192_0180.N1	24-SEP-2003 08:55:32	Dark	105.50	101	11Alp Lep	2.5820	7000.0	211	8192	No
148	GOM_NL__2PRFIN20030924_090157_000000412020_00122_08192_0181.N1	24-SEP-2003 09:01:57	Dark	41.000	135	Bet Hyi	2.8200	5800.0	82	8192	No
149	GOM_NL__2PRFIN20030924_090337_000000442020_00122_08192_0182.N1	24-SEP-2003 09:03:37	Dark	43.500	143	Alp Hyi	2.8570	7200.0	87	8192	No
150	GOM_NL__2PRFIN20030924_090505_000000462020_00122_08192_0183.N1	24-SEP-2003 09:05:05	Dark	46.000	9	Alp Eri	0.45300	24000.	92	8192	No
151	GOM_NL__2PRFIN20030924_090725_000000402020_00122_08192_0184.N1	24-SEP-2003 09:07:25	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	8192	No
152	GOM_NL__2PRFIN20030924_091112_000000412020_00122_08192_0185.N1	24-SEP-2003 09:11:12	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	8192	No
153	GOM_NL__2PRFIN20030924_091529_000000482020_00122_08192_0186.N1	24-SEP-2003 09:15:29	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	8192	No
154	GOM_NL__2PRFIN20030924_091750_000000572020_00122_08192_0187.N1	24-SEP-2003 09:17:50	Tw_i_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	8192	No
155	GOM_NL__2PRFIN20030924_091940_000000492020_00122_08192_0188.N1	24-SEP-2003 09:19:40	Dark	49.000	1014	Mars	0.0000	0.0000	98	8192	Yes
156	GOM_NL__2PRFIN20030924_092410_000000392020_00122_08192_0189.N1	24-SEP-2003 09:24:10	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	8192	No
157	GOM_NL__2PRFIN20030924_092814_000000402020_00122_08192_0190.N1	24-SEP-2003 09:28:14	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	8192	No
158	GOM_NL__2PRFIN20030924_093159_000000392020_00122_08192_0191.N1	24-SEP-2003 09:31:59	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	8192	No
159	GOM_NL__2PRFIN20030924_093319_000000472020_00122_08192_0192.N1	24-SEP-2003 09:33:19	Bright	46.500	58	21Alp And	2.0730	11000.	93	8192	No
160	GOM_NL__2PRFIN20030924_093752_000000402020_00122_08192_0193.N1	24-SEP-2003 09:37:52	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	8192	No

161	GOM_NL__2PRFIN20030924_094149_000000402020_00122_08192_0194.N1	24-SEP-2003 09:41:49	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	8192	No
162	GOM_NL__2PRFIN20030924_094323_000000402020_00122_08192_0195.N1	24-SEP-2003 09:43:23	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	8192	No
163	GOM_NL__2PRFIN20030924_094917_000000392020_00122_08192_0196.N1	24-SEP-2003 09:49:17	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	8192	No
164	GOM_NL__2PRFIN20030924_095051_000000392020_00122_08192_0197.N1	24-SEP-2003 09:50:51	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	8192	No
165	GOM_NL__2PRFIN20030924_095659_000000362020_00122_08192_0198.N1	24-SEP-2003 09:56:59	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	8192	No
166	GOM_NL__2PRFIN20030924_095828_000000362020_00122_08192_0199.N1	24-SEP-2003 09:58:28	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	8192	No
167	GOM_NL__2PRFIN20030924_100051_000000622020_00122_08192_0200.N1	24-SEP-2003 10:00:51	Bright	62.000	42	34Bet Aur	1.9000	10200.	124	8192	No
168	GOM_NL__2PRFIN20030924_100448_000000782020_00122_08192_0201.N1	24-SEP-2003 10:04:48	Bright	77.500	107	37The Aur	2.6490	11000.	155	8192	No
169	GOM_NL__2PRFIN20030924_100804_000002552020_00122_08192_0202.N1	24-SEP-2003 10:08:04	Twilight	255.00	114	31ot Aur	2.6930	4600.0	510	8192	No
170	GOM_NL__2PRFIN20030924_101320_000001302020_00122_08192_0203.N1	24-SEP-2003 10:13:20	Straylight	130.00	151	13Mu Gem	2.8900	3000.0	260	8192	No
171	GOM_NL__2PRFIN20030924_101643_000000722020_00122_08192_0204.N1	24-SEP-2003 10:16:43	Dark	72.000	8	10Alp CMi	0.40000	6500.0	144	8192	No
172	GOM_NL__2PRFIN20030924_102400_000000452020_00122_08192_0205.N1	24-SEP-2003 10:24:00	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	8192	No
173	GOM_NL__2PRFIN20030924_102659_000000762020_00122_08192_0206.N1	24-SEP-2003 10:26:59	Dark	75.500	1	9Alp CMa	-1.4400	11000.	151	8192	No
174	GOM_NL__2PRFIN20030924_103034_000000432020_00122_08192_0207.N1	24-SEP-2003 10:30:34	Dark	42.500	46	Del Vel	1.9540	10600.	85	8192	No
175	GOM_NL__2PRFIN20030924_103611_000001062020_00123_08193_0181.N1	24-SEP-2003 10:36:11	Dark	106.00	101	11Alp Lep	2.5820	7000.0	212	8193	No
176	GOM_NL__2PRFIN20030924_104234_000000412020_00123_08193_0182.N1	24-SEP-2003 10:42:34	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	8193	No
177	GOM_NL__2PRFIN20030924_104414_000000422020_00123_08193_0183.N1	24-SEP-2003 10:44:14	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	8193	No
178	GOM_NL__2PRFIN20030924_104540_000000552020_00123_08193_0184.N1	24-SEP-2003 10:45:40	Dark	54.500	9	Alp Eri	0.45300	24000.	109	8193	No
179	GOM_NL__2PRFIN20030924_104801_000000442020_00123_08193_0185.N1	24-SEP-2003 10:48:01	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	8193	No
180	GOM_NL__2PRFIN20030924_105148_000000422020_00123_08193_0186.N1	24-SEP-2003 10:51:48	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	8193	No
181	GOM_NL__2PRFIN20030924_105606_000000462020_00123_08193_0187.N1	24-SEP-2003 10:56:06	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	8193	No
182	GOM_NL__2PRFIN20030924_105827_000000562020_00123_08193_0188.N1	24-SEP-2003 10:58:27	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	8193	No
183	GOM_NL__2PRFIN20030924_110017_000000472020_00123_08193_0189.N1	24-SEP-2003 11:00:17	Dark	46.500	1014	Mars	0.0000	0.0000	93	8193	Yes
184	GOM_NL__2PRFIN20030924_110445_000000402020_00123_08193_0190.N1	24-SEP-2003 11:04:45	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	8193	No
185	GOM_NL__2PRFIN20030924_110850_000000412020_00123_08193_0191.N1	24-SEP-2003 11:08:50	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	8193	No
186	GOM_NL__2PRFIN20030924_111234_000000422020_00123_08193_0192.N1	24-SEP-2003 11:12:34	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	8193	No
187	GOM_NL__2PRFIN20030924_111355_000000442020_00123_08193_0193.N1	24-SEP-2003 11:13:55	Bright	43.500	58	21Alp And	2.0730	11000.	87	8193	No
188	GOM_NL__2PRFIN20030924_111829_000000392020_00123_08193_0194.N1	24-SEP-2003 11:18:29	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	8193	No
189	GOM_NL__2PRFIN20030924_112225_000000402020_00123_08193_0195.N1	24-SEP-2003 11:22:25	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	8193	No
190	GOM_NL__2PRFIN20030924_112359_000000432020_00123_08193_0196.N1	24-SEP-2003 11:23:59	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	8193	No
191	GOM_NL__2PRFIN20030924_113126_000000392020_00123_08193_0197.N1	24-SEP-2003 11:31:26	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	8193	No
192	GOM_NL__2PRFIN20030924_113736_000000362020_00123_08193_0198.N1	24-SEP-2003 11:37:36	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	8193	No
193	GOM_NL__2PRFIN20030924_113904_000000362020_00123_08193_0199.N1	24-SEP-2003 11:39:04	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	8193	No
194	GOM_NL__2PRFIN20030924_114126_000000642020_00123_08193_0200.N1	24-SEP-2003 11:41:26	Bright	64.000	42	34Bet Aur	1.9000	10200.	128	8193	No
195	GOM_NL__2PRFIN20030924_114524_000000762020_00123_08193_0201.N1	24-SEP-2003 11:45:24	Bright	76.000	107	37The Aur	2.6490	11000.	152	8193	No
196	GOM_NL__2PRFIN20030924_114841_000002552020_00123_08193_0202.N1	24-SEP-2003 11:48:41	Twilight	255.00	114	31ot Aur	2.6930	4600.0	510	8193	No
197	GOM_NL__2PRFIN20030924_115357_000001092020_00123_08193_0203.N1	24-SEP-2003 11:53:57	Straylight	108.50	151	13Mu Gem	2.8900	3000.0	217	8193	No
198	GOM_NL__2PRFIN20030924_115720_000000662020_00123_08193_0204.N1	24-SEP-2003 11:57:20	Dark	65.500	8	10Alp CMi	0.40000	6500.0	131	8193	No
199	GOM_NL__2PRFIN20030924_120437_000000442020_00123_08193_0205.N1	24-SEP-2003 12:04:37	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	8193	No
200	GOM_NL__2PRFIN20030924_120737_000000782020_00123_08193_0206.N1	24-SEP-2003 12:07:37	Dark	77.500	1	9Alp CMa	-1.4400	11000.	155	8193	No
201	GOM_NL__2PRFIN20030924_121111_000000402020_00123_08193_0207.N1	24-SEP-2003 12:11:11	Dark	40.000	46	Del Vel	1.9540	10600.	80	8193	No
202	GOM_NL__2PRFIN20030924_121649_000001042020_00124_08194_0181.N1	24-SEP-2003 12:16:49	Dark	104.00	101	11Alp Lep	2.5820	7000.0	208	8194	No
203	GOM_NL__2PRFIN20030924_122310_000000382020_00124_08194_0182.N1	24-SEP-2003 12:23:10	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	8194	No
204	GOM_NL__2PRFIN20030924_122451_000000432020_00124_08194_0183.N1	24-SEP-2003 12:24:51	Dark	43.000	143	Alp Hyi	2.8570	7200.0	86	8194	No
205	GOM_NL__2PRFIN20030924_122617_000000462020_00124_08194_0184.N1	24-SEP-2003 12:26:17	Dark	46.000	9	Alp Eri	0.45300	24000.	92	8194	No
206	GOM_NL__2PRFIN20030924_122838_000000442020_00124_08194_0185.N1	24-SEP-2003 12:28:38	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	8194	No
207	GOM_NL__2PRFIN20030924_123224_000000412020_00124_08194_0186.N1	24-SEP-2003 12:32:24	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	8194	No
208	GOM_NL__2PRFIN20030924_123643_000000452020_00124_08194_0187.N1	24-SEP-2003 12:36:43	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	8194	No
209	GOM_NL__2PRFIN20030924_123903_000000542020_00124_08194_0188.N1	24-SEP-2003 12:39:03	Twilight	53.500	52	16Bet Cet	2.0370	4500.0	107	8194	No
210	GOM_NL__2PRFIN20030924_124053_000000452020_00124_08194_0189.N1	24-SEP-2003 12:40:53	Dark	45.000	1014	Mars	0.0000	0.0000	90	8194	Yes
211	GOM_NL__2PRFIN20030924_124522_000000392020_00124_08194_0190.N1	24-SEP-2003 12:45:22	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	8194	No
212	GOM_NL__2PRFIN20030924_124926_000000392020_00124_08194_0191.N1	24-SEP-2003 12:49:26	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	8194	No
213	GOM_NL__2PRFIN20030924_125311_000000412020_00124_08194_0192.N1	24-SEP-2003 12:53:11	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	8194	No
214	GOM_NL__2PRFIN20030924_125431_000000442020_00124_08194_0193.N1	24-SEP-2003 12:54:31	Bright	44.000	58	21Alp And	2.0730	11000.	88	8194	No
215	GOM_NL__2PRFIN20030924_125905_000000402020_00124_08194_0194.N1	24-SEP-2003 12:59:05	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	8194	No
216	GOM_NL__2PRFIN20030924_130302_000000352020_00124_08194_0195.N1	24-SEP-2003 13:03:02	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	8194	No
217	GOM_NL__2PRFIN20030924_130435_000000442020_00124_08194_0196.N1	24-SEP-2003 13:04:35	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	8194	No
218	GOM_NL__2PRFIN20030924_131029_000000392020_00124_08194_0197.N1	24-SEP-2003 13:10:29	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	8194	No
219	GOM_NL__2PRFIN20030924_131203_000000392020_00124_08194_0198.N1	24-SEP-2003 13:12:03	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	8194	No

220	GOM_NL__2PRFIN20030924_131812_000000342020_00124_08194_0199.N1	24-SEP-2003 13:18:12	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	8194	No
221	GOM_NL__2PRFIN20030924_131941_000000352020_00124_08194_0200.N1	24-SEP-2003 13:19:41	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	8194	No
222	GOM_NL__2PRFIN20030924_132202_000000632020_00124_08194_0201.N1	24-SEP-2003 13:22:02	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	8194	No
223	GOM_NL__2PRFIN20030924_132600_000000742020_00124_08194_0202.N1	24-SEP-2003 13:26:00	Bright	74.000	107	37The Aur	2.6490	11000.	148	8194	No
224	GOM_NL__2PRFIN20030924_132917_000002552020_00124_08194_0203.N1	24-SEP-2003 13:29:17	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8194	No
225	GOM_NL__2PRFIN20030924_133434_000001212020_00124_08194_0204.N1	24-SEP-2003 13:34:34	Straylight	120.50	151	13Mu Gem	2.8900	3000.0	241	8194	No
226	GOM_NL__2PRFIN20030924_133757_000000642020_00124_08194_0205.N1	24-SEP-2003 13:37:57	Dark	63.500	8	10Alp CMi	0.40000	6500.0	127	8194	No
227	GOM_NL__2PRFIN20030924_134514_000000482020_00124_08194_0206.N1	24-SEP-2003 13:45:14	Dark	48.000	132	15Rho Pup	2.8030	6900.0	96	8194	No
228	GOM_NL__2PRFIN20030924_134815_000000822020_00124_08194_0207.N1	24-SEP-2003 13:48:15	Dark	81.500	1	9Alp CMa	-1.4400	11000.	163	8194	No
229	GOM_NL__2PRFIN20030924_135147_000000392020_00124_08194_0208.N1	24-SEP-2003 13:51:47	Dark	39.000	46	Del Vel	1.9540	10600.	78	8194	No
230	GOM_NL__2PRFIN20030924_135728_000001052020_00125_08195_0181.N1	24-SEP-2003 13:57:28	Dark	104.50	101	11Alp Lep	2.5820	7000.0	209	8195	No
231	GOM_NL__2PRFIN20030924_140346_000000382020_00125_08195_0182.N1	24-SEP-2003 14:03:46	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	8195	No
232	GOM_NL__2PRFIN20030924_140527_000000412020_00125_08195_0183.N1	24-SEP-2003 14:05:27	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	8195	No
233	GOM_NL__2PRFIN20030924_140654_000000502020_00125_08195_0184.N1	24-SEP-2003 14:06:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	8195	No
234	GOM_NL__2PRFIN20030924_140913_000000462020_00125_08195_0185.N1	24-SEP-2003 14:09:13	Straylight	46.000	148	Alp Tuc	2.8780	4100.0	92	8195	No
235	GOM_NL__2PRFIN20030924_141300_000000412020_00125_08195_0186.N1	24-SEP-2003 14:13:00	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	8195	No
236	GOM_NL__2PRFIN20030924_141719_000000412020_00125_08195_0187.N1	24-SEP-2003 14:17:19	Straylight	41.000	18	24Alp PsA	1.1660	9700.0	82	8195	No
237	GOM_NL__2PRFIN20030924_141940_000000532020_00125_08195_0188.N1	24-SEP-2003 14:19:40	Tw_i_and_stray	52.500	52	16Bet Cet	2.0370	4500.0	105	8195	No
238	GOM_NL__2PRFIN20030924_142130_000000432020_00125_08195_0189.N1	24-SEP-2003 14:21:30	Dark	43.000	1014	Mars	0.0000	0.0000	86	8195	Yes
239	GOM_NL__2PRFIN20030924_142558_000000392020_00125_08195_0190.N1	24-SEP-2003 14:25:58	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	8195	No
240	GOM_NL__2PRFIN20030924_143003_000000402020_00125_08195_0191.N1	24-SEP-2003 14:30:03	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	8195	No
241	GOM_NL__2PRFIN20030924_143941_000000412020_00125_08195_0192.N1	24-SEP-2003 14:39:41	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	8195	No
242	GOM_NL__2PRFIN20030924_144339_000000372020_00125_08195_0193.N1	24-SEP-2003 14:43:39	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	8195	No
243	GOM_NL__2PRFIN20030924_144510_000000432020_00125_08195_0194.N1	24-SEP-2003 14:45:10	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	8195	No
244	GOM_NL__2PRFIN20030924_145105_000000392020_00125_08195_0195.N1	24-SEP-2003 14:51:05	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	8195	No
245	GOM_NL__2PRFIN20030924_145239_000000392020_00125_08195_0196.N1	24-SEP-2003 14:52:39	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	8195	No
246	GOM_NL__2PRFIN20030924_145845_000000412020_00125_08195_0197.N1	24-SEP-2003 14:58:45	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	8195	No
247	GOM_NL__2PRFIN20030924_150016_000000362020_00125_08195_0198.N1	24-SEP-2003 15:00:16	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	8195	No
248	GOM_NL__2PRFIN20030924_150237_000000632020_00125_08195_0199.N1	24-SEP-2003 15:02:37	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	8195	No
249	GOM_NL__2PRFIN20030924_150635_000000802020_00125_08195_0200.N1	24-SEP-2003 15:06:35	Bright	79.500	107	37The Aur	2.6490	11000.	159	8195	No
250	GOM_NL__2PRFIN20030924_150953_000002552020_00125_08195_0201.N1	24-SEP-2003 15:09:53	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8195	No
251	GOM_NL__2PRFIN20030924_151511_000001122020_00125_08195_0202.N1	24-SEP-2003 15:15:11	Straylight	111.50	151	13Mu Gem	2.8900	3000.0	223	8195	No
252	GOM_NL__2PRFIN20030924_151833_000000682020_00125_08195_0203.N1	24-SEP-2003 15:18:33	Dark	68.000	8	10Alp CMi	0.40000	6500.0	136	8195	No
253	GOM_NL__2PRFIN20030924_152550_000000482020_00125_08195_0204.N1	24-SEP-2003 15:25:50	Dark	48.000	132	15Rho Pup	2.8030	6900.0	96	8195	No
254	GOM_NL__2PRFIN20030924_152851_000000852020_00125_08195_0205.N1	24-SEP-2003 15:28:51	Dark	85.000	1	9Alp CMa	-1.4400	11000.	170	8195	No
255	GOM_NL__2PRFIN20030924_153223_000000422020_00125_08195_0206.N1	24-SEP-2003 15:32:23	Dark	41.500	46	Del Vel	1.9540	10600.	83	8195	No
256	GOM_NL__2PRFIN20030924_153807_000001062020_00126_08196_0171.N1	24-SEP-2003 15:38:07	Dark	105.50	101	11Alp Lep	2.5820	7000.0	211	8196	No
257	GOM_NL__2PRFIN20030924_154419_000000422020_00126_08196_0172.N1	24-SEP-2003 15:44:19	Dark	41.500	135	Bet Hyi	2.8200	5800.0	83	8196	No
258	GOM_NL__2PRFIN20030924_154602_000000422020_00126_08196_0173.N1	24-SEP-2003 15:46:02	Dark	42.000	143	Alp Hyi	2.8570	7200.0	84	8196	No
259	GOM_NL__2PRFIN20030924_154730_000000492020_00126_08196_0174.N1	24-SEP-2003 15:47:30	Dark	48.500	9	Alp Eri	0.45300	24000.	97	8196	No
260	GOM_NL__2PRFIN20030924_154950_000000472020_00126_08196_0175.N1	24-SEP-2003 15:49:50	Straylight	46.500	148	Alp Tuc	2.8780	4100.0	93	8196	No
261	GOM_NL__2PRFIN20030924_155336_000000422020_00126_08196_0176.N1	24-SEP-2003 15:53:36	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	8196	No
262	GOM_NL__2PRFIN20030924_155752_000000482020_00126_08196_0177.N1	24-SEP-2003 15:57:52	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	8196	No
263	GOM_NL__2PRFIN20030924_160015_000000552020_00126_08196_0178.N1	24-SEP-2003 16:00:15	Tw_i_and_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	8196	No
264	GOM_NL__2PRFIN20030924_160204_000000462020_00126_08196_0179.N1	24-SEP-2003 16:02:04	Dark	45.500	1014	Mars	0.0000	0.0000	91	8196	Yes
265	GOM_NL__2PRFIN20030924_160633_000000402020_00126_08196_0180.N1	24-SEP-2003 16:06:33	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	8196	No
266	GOM_NL__2PRFIN20030924_161038_000000382020_00126_08196_0181.N1	24-SEP-2003 16:10:38	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	8196	No
267	GOM_NL__2PRFIN20030924_162017_000000402020_00126_08196_0182.N1	24-SEP-2003 16:20:17	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	8196	No
268	GOM_NL__2PRFIN20030924_162414_000000372020_00126_08196_0183.N1	24-SEP-2003 16:24:14	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	8196	No
269	GOM_NL__2PRFIN20030924_162545_000000432020_00126_08196_0184.N1	24-SEP-2003 16:25:45	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	8196	No
270	GOM_NL__2PRFIN20030924_163140_000000382020_00126_08196_0185.N1	24-SEP-2003 16:31:40	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	8196	No
271	GOM_NL__2PRFIN20030924_163315_000000382020_00126_08196_0186.N1	24-SEP-2003 16:33:15	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	8196	No
272	GOM_NL__2PRFIN20030924_163921_000000392020_00126_08196_0187.N1	24-SEP-2003 16:39:21	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	8196	No
273	GOM_NL__2PRFIN20030924_164052_000000362020_00126_08196_0188.N1	24-SEP-2003 16:40:52	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	8196	No
274	GOM_NL__2PRFIN20030924_164312_000000632020_00126_08196_0189.N1	24-SEP-2003 16:43:12	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	8196	No
275	GOM_NL__2PRFIN20030924_164711_000000772020_00126_08196_0190.N1	24-SEP-2003 16:47:11	Bright	76.500	107	37The Aur	2.6490	11000.	153	8196	No
276	GOM_NL__2PRFIN20030924_165029_000002552020_00126_08196_0191.N1	24-SEP-2003 16:50:29	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8196	No
277	GOM_NL__2PRFIN20030924_165548_000001232020_00126_08196_0192.N1	24-SEP-2003 16:55:48	Straylight	122.50	151	13Mu Gem	2.8900	3000.0	245	8196	No
278	GOM_NL__2PRFIN20030924_165909_000000722020_00126_08196_0193.N1	24-SEP-2003 16:59:09	Dark	72.000	8	10Alp CMi	0.40000	6500.0	144	8196	No

279	GOM_NL__2PRFIN20030924_170627_000000472020_00126_08196_0194.N1	24-SEP-2003 17:06:27	Dark	46.500	132	15Rho Pup	2.8030	6900.0	93	8196	No
280	GOM_NL__2PRFIN20030924_170928_000000782020_00126_08196_0195.N1	24-SEP-2003 17:09:28	Dark	78.000	1	9Alp CMa	-1.4400	11000.	156	8196	No
281	GOM_NL__2PRFIN20030924_171259_000000442020_00126_08196_0196.N1	24-SEP-2003 17:12:59	Dark	44.000	46	Del Vel	1.9540	10600.	88	8196	No
282	GOM_NL__2PRFIN20030924_171845_000001092020_00127_08197_0283.N1	24-SEP-2003 17:18:45	Dark	108.50	101	11Alp Lep	2.5820	7000.0	217	8197	No
283	GOM_NL__2PRFIN20030924_172457_000000392020_00127_08197_0284.N1	24-SEP-2003 17:24:57	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	8197	No
284	GOM_NL__2PRFIN20030924_172637_000000442020_00127_08197_0285.N1	24-SEP-2003 17:26:37	Dark	43.500	143	Alp Hyi	2.8570	7200.0	87	8197	No
285	GOM_NL__2PRFIN20030924_172806_000000442020_00127_08197_0286.N1	24-SEP-2003 17:28:06	Dark	43.500	9	Alp Eri	0.45300	24000.	87	8197	No
286	GOM_NL__2PRFIN20030924_173025_000000392020_00127_08197_0287.N1	24-SEP-2003 17:30:25	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	8197	No
287	GOM_NL__2PRFIN20030924_173412_000000402020_00127_08197_0288.N1	24-SEP-2003 17:34:12	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	8197	No
288	GOM_NL__2PRFIN20030924_173828_000000472020_00127_08197_0289.N1	24-SEP-2003 17:38:28	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	8197	No
289	GOM_NL__2PRFIN20030924_174051_000000542020_00127_08197_0290.N1	24-SEP-2003 17:40:51	Tw_i_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	8197	No
290	GOM_NL__2PRFIN20030924_174241_000000512020_00127_08197_0291.N1	24-SEP-2003 17:42:41	Dark	51.000	1014	Mars	0.0000	0.0000	102	8197	Yes
291	GOM_NL__2PRFIN20030924_174710_000000402020_00127_08197_0292.N1	24-SEP-2003 17:47:10	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	8197	No
292	GOM_NL__2PRFIN20030924_175114_000000402020_00127_08197_0293.N1	24-SEP-2003 17:51:14	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	8197	No
293	GOM_NL__2PRFIN20030924_180054_000000402020_00127_08197_0294.N1	24-SEP-2003 18:00:54	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	8197	No
294	GOM_NL__2PRFIN20030924_180450_000000392020_00127_08197_0295.N1	24-SEP-2003 18:04:50	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	8197	No
295	GOM_NL__2PRFIN20030924_180620_000000442020_00127_08197_0296.N1	24-SEP-2003 18:06:20	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	8197	No
296	GOM_NL__2PRFIN20030924_181216_000000392020_00127_08197_0297.N1	24-SEP-2003 18:12:16	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	8197	No
297	GOM_NL__2PRFIN20030924_181352_000000392020_00127_08197_0298.N1	24-SEP-2003 18:13:52	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	8197	No
298	GOM_NL__2PRFIN20030924_181957_000000412020_00127_08197_0299.N1	24-SEP-2003 18:19:57	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	8197	No
299	GOM_NL__2PRFIN20030924_182126_000000402020_00127_08197_0300.N1	24-SEP-2003 18:21:26	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	8197	No
300	GOM_NL__2PRFIN20030924_182348_000000652020_00127_08197_0301.N1	24-SEP-2003 18:23:48	Bright	65.000	42	34Bet Aur	1.9000	10200.	130	8197	No
301	GOM_NL__2PRFIN20030924_182747_000000752020_00127_08197_0302.N1	24-SEP-2003 18:27:47	Bright	74.500	107	37The Aur	2.6490	11000.	149	8197	No
302	GOM_NL__2PRFIN20030924_183106_000002552020_00127_08197_0303.N1	24-SEP-2003 18:31:06	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8197	No
303	GOM_NL__2PRFIN20030924_183625_000001182020_00127_08197_0304.N1	24-SEP-2003 18:36:25	Straylight	118.00	151	13Mu Gem	2.8900	3000.0	236	8197	No
304	GOM_NL__2PRFIN20030924_183946_000000722020_00127_08197_0305.N1	24-SEP-2003 18:39:46	Dark	72.000	8	10Alp CMi	0.40000	6500.0	144	8197	No
305	GOM_NL__2PRFIN20030924_184703_000000462020_00127_08197_0306.N1	24-SEP-2003 18:47:03	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	8197	No
306	GOM_NL__2PRFIN20030924_185006_000000822020_00127_08197_0307.N1	24-SEP-2003 18:50:06	Dark	81.500	1	9Alp CMa	-1.4400	11000.	163	8197	No
307	GOM_NL__2PRFIN20030924_185335_000000412020_00127_08197_0308.N1	24-SEP-2003 18:53:35	Dark	40.500	46	Del Vel	1.9540	10600.	81	8197	No
308	GOM_NL__2PRFIN20030924_185924_000001062020_00128_08198_0175.N1	24-SEP-2003 18:59:24	Dark	105.50	101	11Alp Lep	2.5820	7000.0	211	8198	No
309	GOM_NL__2PRFIN20030924_190533_000000402020_00128_08198_0176.N1	24-SEP-2003 19:05:33	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	8198	No
310	GOM_NL__2PRFIN20030924_190713_000000442020_00128_08198_0177.N1	24-SEP-2003 19:07:13	Dark	44.000	143	Alp Hyi	2.8570	7200.0	88	8198	No
311	GOM_NL__2PRFIN20030924_190842_000000552020_00128_08198_0178.N1	24-SEP-2003 19:08:42	Dark	55.000	9	Alp Eri	0.45300	24000.	110	8198	No
312	GOM_NL__2PRFIN20030924_191102_000000402020_00128_08198_0179.N1	24-SEP-2003 19:11:02	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	8198	No
313	GOM_NL__2PRFIN20030924_191448_000000432020_00128_08198_0180.N1	24-SEP-2003 19:14:48	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	8198	No
314	GOM_NL__2PRFIN20030924_191904_000000482020_00128_08198_0181.N1	24-SEP-2003 19:19:04	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	8198	No
315	GOM_NL__2PRFIN20030924_192127_000000552020_00128_08198_0182.N1	24-SEP-2003 19:21:27	Tw_i_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	8198	No
316	GOM_NL__2PRFIN20030924_192318_000000502020_00128_08198_0183.N1	24-SEP-2003 19:23:18	Dark	50.000	1014	Mars	0.0000	0.0000	100	8198	Yes
317	GOM_NL__2PRFIN20030924_192746_000000402020_00128_08198_0184.N1	24-SEP-2003 19:27:46	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	8198	No
318	GOM_NL__2PRFIN20030924_193149_000000392020_00128_08198_0185.N1	24-SEP-2003 19:31:49	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	8198	No
319	GOM_NL__2PRFIN20030924_194130_000000412020_00128_08198_0186.N1	24-SEP-2003 19:41:30	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	8198	No
320	GOM_NL__2PRFIN20030924_194526_000000392020_00128_08198_0187.N1	24-SEP-2003 19:45:26	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	8198	No
321	GOM_NL__2PRFIN20030924_194655_000000452020_00128_08198_0188.N1	24-SEP-2003 19:46:55	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	8198	No
322	GOM_NL__2PRFIN20030924_195252_000000402020_00128_08198_0189.N1	24-SEP-2003 19:52:52	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	8198	No
323	GOM_NL__2PRFIN20030924_195428_000000382020_00128_08198_0190.N1	24-SEP-2003 19:54:28	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	8198	No
324	GOM_NL__2PRFIN20030924_200035_000000372020_00128_08198_0191.N1	24-SEP-2003 20:00:35	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	8198	No
325	GOM_NL__2PRFIN20030924_200202_000000382020_00128_08198_0192.N1	24-SEP-2003 20:02:02	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	8198	No
326	GOM_NL__2PRFIN20030924_200423_000000652020_00128_08198_0193.N1	24-SEP-2003 20:04:23	Bright	64.500	42	34Bet Aur	1.9000	10200.	129	8198	No
327	GOM_NL__2PRFIN20030924_200822_000000762020_00128_08198_0194.N1	24-SEP-2003 20:08:22	Bright	75.500	107	37The Aur	2.6490	11000.	151	8198	No
328	GOM_NL__2PRFIN20030924_201142_000002552020_00128_08198_0195.N1	24-SEP-2003 20:11:42	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8198	No
329	GOM_NL__2PRFIN20030924_201702_000001082020_00128_08198_0196.N1	24-SEP-2003 20:17:02	Straylight	107.50	151	13Mu Gem	2.8900	3000.0	215	8198	No
330	GOM_NL__2PRFIN20030924_202023_000000652020_00128_08198_0197.N1	24-SEP-2003 20:20:23	Dark	65.000	8	10Alp CMi	0.40000	6500.0	130	8198	No
331	GOM_NL__2PRFIN20030924_202740_000000462020_00128_08198_0198.N1	24-SEP-2003 20:27:40	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	8198	No
332	GOM_NL__2PRFIN20030924_203041_000000852020_00128_08198_0199.N1	24-SEP-2003 20:30:41	Dark	85.000	1	9Alp CMa	-1.4400	11000.	170	8198	No
333	GOM_NL__2PRFIN20030924_203412_000000432020_00128_08198_0200.N1	24-SEP-2003 20:34:12	Dark	42.500	46	Del Vel	1.9540	10600.	85	8198	No
334	GOM_NL__2PRFIN20030924_204003_000001092020_00129_08199_0176.N1	24-SEP-2003 20:40:03	Dark	108.50	101	11Alp Lep	2.5820	7000.0	217	8199	No
335	GOM_NL__2PRFIN20030924_204610_000000402020_00129_08199_0177.N1	24-SEP-2003 20:46:10	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	8199	No
336	GOM_NL__2PRFIN20030924_204752_000000422020_00129_08199_0178.N1	24-SEP-2003 20:47:52	Dark	42.000	143	Alp Hyi	2.8570	7200.0	84	8199	No
337	GOM_NL__2PRFIN20030924_204919_000000552020_00129_08199_0179.N1	24-SEP-2003 20:49:19	Dark	54.500	9	Alp Eri	0.45300	24000.	109	8199	No

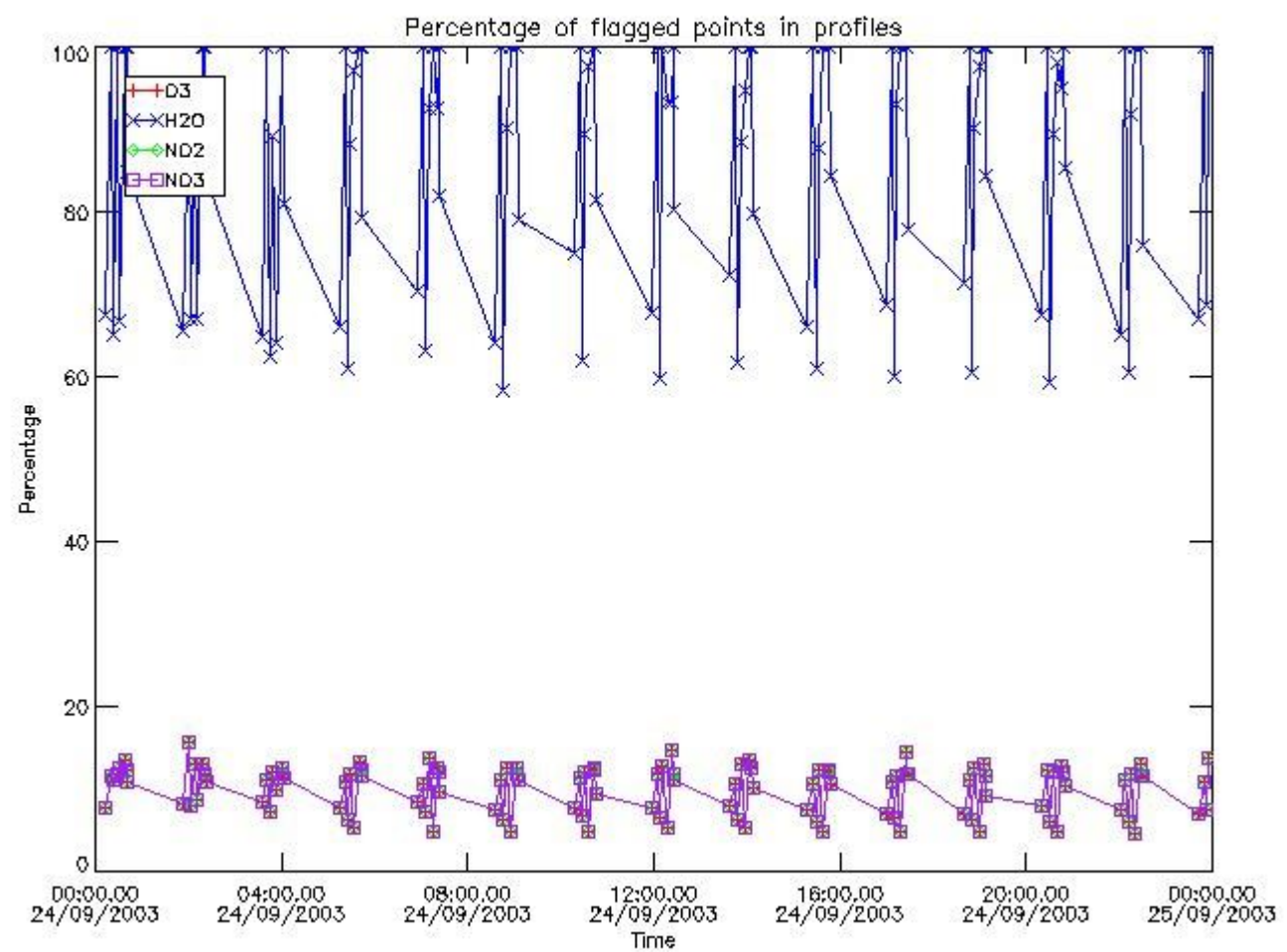
338	GOM_NL__2PRFIN20030924_205137_000000392020_00129_08199_0180.N1	24-SEP-2003 20:51:37	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	8199	No
339	GOM_NL__2PRFIN20030924_205524_000000432020_00129_08199_0181.N1	24-SEP-2003 20:55:24	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	8199	No
340	GOM_NL__2PRFIN20030924_205943_000000422020_00129_08199_0182.N1	24-SEP-2003 20:59:43	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	8199	No
341	GOM_NL__2PRFIN20030924_210203_000000542020_00129_08199_0183.N1	24-SEP-2003 21:02:03	Tw_i_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	8199	No
342	GOM_NL__2PRFIN20030924_210354_000000452020_00129_08199_0184.N1	24-SEP-2003 21:03:54	Dark	45.000	1014	Mars	0.0000	0.0000	90	8199	Yes
343	GOM_NL__2PRFIN20030924_210823_000000402020_00129_08199_0185.N1	24-SEP-2003 21:08:23	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	8199	No
344	GOM_NL__2PRFIN20030924_211223_000000432020_00129_08199_0186.N1	24-SEP-2003 21:12:23	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	8199	No
345	GOM_NL__2PRFIN20030924_212206_000000412020_00129_08199_0187.N1	24-SEP-2003 21:22:06	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	8199	No
346	GOM_NL__2PRFIN20030924_212600_000000412020_00129_08199_0188.N1	24-SEP-2003 21:26:00	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	8199	No
347	GOM_NL__2PRFIN20030924_212731_000000442020_00129_08199_0189.N1	24-SEP-2003 21:27:31	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	8199	No
348	GOM_NL__2PRFIN20030924_213326_000000422020_00129_08199_0190.N1	24-SEP-2003 21:33:26	Bright	41.500	49	1Alp UMi	1.9900	6300.0	83	8199	No
349	GOM_NL__2PRFIN20030924_213504_000000392020_00129_08199_0191.N1	24-SEP-2003 21:35:04	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	8199	No
350	GOM_NL__2PRFIN20030924_214112_000000392020_00129_08199_0192.N1	24-SEP-2003 21:41:12	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	8199	No
351	GOM_NL__2PRFIN20030924_214240_000000382020_00129_08199_0193.N1	24-SEP-2003 21:42:40	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	8199	No
352	GOM_NL__2PRFIN20030924_214459_000000632020_00129_08199_0194.N1	24-SEP-2003 21:44:59	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	8199	No
353	GOM_NL__2PRFIN20030924_214858_000000762020_00129_08199_0195.N1	24-SEP-2003 21:48:58	Bright	76.000	107	37The Aur	2.6490	11000.	152	8199	No
354	GOM_NL__2PRFIN20030924_215219_000002552020_00129_08199_0196.N1	24-SEP-2003 21:52:19	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8199	No
355	GOM_NL__2PRFIN20030924_215739_000001162020_00129_08199_0197.N1	24-SEP-2003 21:57:39	Straylight	115.50	151	13Mu Gem	2.8900	3000.0	231	8199	No
356	GOM_NL__2PRFIN20030924_220100_000000682020_00129_08199_0198.N1	24-SEP-2003 22:01:00	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	8199	No
357	GOM_NL__2PRFIN20030924_220816_000000462020_00129_08199_0199.N1	24-SEP-2003 22:08:16	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	8199	No
358	GOM_NL__2PRFIN20030924_221120_000000842020_00129_08199_0200.N1	24-SEP-2003 22:11:20	Dark	84.000	1	9Alp CMa	-1.4400	11000.	168	8199	No
359	GOM_NL__2PRFIN20030924_221447_000000432020_00129_08199_0201.N1	24-SEP-2003 22:14:47	Dark	43.000	46	Del Vel	1.9540	10600.	86	8199	No
360	GOM_NL__2PRFIN20030924_222042_000001102020_00130_08200_0176.N1	24-SEP-2003 22:20:42	Dark	110.00	101	11Alp Lep	2.5820	7000.0	220	8200	No
361	GOM_NL__2PRFIN20030924_222646_000000392020_00130_08200_0177.N1	24-SEP-2003 22:26:46	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	8200	No
362	GOM_NL__2PRFIN20030924_222826_000000442020_00130_08200_0178.N1	24-SEP-2003 22:28:26	Dark	44.000	143	Alp Hyi	2.8570	7200.0	88	8200	No
363	GOM_NL__2PRFIN20030924_222956_000000442020_00130_08200_0179.N1	24-SEP-2003 22:29:56	Dark	44.000	9	Alp Eri	0.45300	24000.	88	8200	No
364	GOM_NL__2PRFIN20030924_223213_000000402020_00130_08200_0180.N1	24-SEP-2003 22:32:13	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	8200	No
365	GOM_NL__2PRFIN20030924_223600_000000432020_00130_08200_0181.N1	24-SEP-2003 22:36:00	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	8200	No
366	GOM_NL__2PRFIN20030924_224018_000000452020_00130_08200_0182.N1	24-SEP-2003 22:40:18	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	8200	No
367	GOM_NL__2PRFIN20030924_224240_000000572020_00130_08200_0183.N1	24-SEP-2003 22:42:40	Tw_i_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	8200	No
368	GOM_NL__2PRFIN20030924_224430_000000512020_00130_08200_0184.N1	24-SEP-2003 22:44:30	Dark	51.000	1014	Mars	0.0000	0.0000	102	8200	Yes
369	GOM_NL__2PRFIN20030924_224858_000000402020_00130_08200_0185.N1	24-SEP-2003 22:48:58	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	8200	No
370	GOM_NL__2PRFIN20030924_225259_000000422020_00130_08200_0186.N1	24-SEP-2003 22:52:59	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	8200	No
371	GOM_NL__2PRFIN20030924_225645_000000432020_00130_08200_0187.N1	24-SEP-2003 22:56:45	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	8200	No
372	GOM_NL__2PRFIN20030924_230242_000000402020_00130_08200_0188.N1	24-SEP-2003 23:02:42	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	8200	No
373	GOM_NL__2PRFIN20030924_230638_000000382020_00130_08200_0189.N1	24-SEP-2003 23:06:38	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	8200	No
374	GOM_NL__2PRFIN20030924_230806_000000442020_00130_08200_0190.N1	24-SEP-2003 23:08:06	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	8200	No
375	GOM_NL__2PRFIN20030924_231402_000000382020_00130_08200_0191.N1	24-SEP-2003 23:14:02	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	8200	No
376	GOM_NL__2PRFIN20030924_231539_000000392020_00130_08200_0192.N1	24-SEP-2003 23:15:39	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	8200	No
377	GOM_NL__2PRFIN20030924_232147_000000412020_00130_08200_0193.N1	24-SEP-2003 23:21:47	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	8200	No
378	GOM_NL__2PRFIN20030924_232316_000000392020_00130_08200_0194.N1	24-SEP-2003 23:23:16	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	8200	No
379	GOM_NL__2PRFIN20030924_232535_000000642020_00130_08200_0195.N1	24-SEP-2003 23:25:35	Bright	63.500	42	34Bet Aur	1.9000	10200.	127	8200	No
380	GOM_NL__2PRFIN20030924_232934_000000772020_00130_08200_0196.N1	24-SEP-2003 23:29:34	Bright	77.000	107	37The Aur	2.6490	11000.	154	8200	No
381	GOM_NL__2PRFIN20030924_233255_000002552020_00130_08200_0197.N1	24-SEP-2003 23:32:55	Tw_i_and_stray	255.00	114	3lot Aur	2.6930	4600.0	510	8200	No
382	GOM_NL__2PRFIN20030924_233816_000001142020_00130_08200_0198.N1	24-SEP-2003 23:38:16	Straylight	113.50	151	13Mu Gem	2.8900	3000.0	227	8200	No
383	GOM_NL__2PRFIN20030924_234137_000000732020_00130_08200_0199.N1	24-SEP-2003 23:41:37	Dark	73.000	8	10Alp CMi	0.40000	6500.0	146	8200	No
384	GOM_NL__2PRFIN20030924_234852_000000472020_00130_08200_0200.N1	24-SEP-2003 23:48:52	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	8200	No
385	GOM_NL__2PRFIN20030924_235158_000000742020_00130_08200_0201.N1	24-SEP-2003 23:51:58	Dark	74.000	1	9Alp CMa	-1.4400	11000.	148	8200	No
386	GOM_NL__2PRFIN20030924_235458_000000372020_00130_08200_0202.N1	24-SEP-2003 23:54:58	Dark	37.000	91	Kap Vel	2.4900	26000.	74	8200	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.

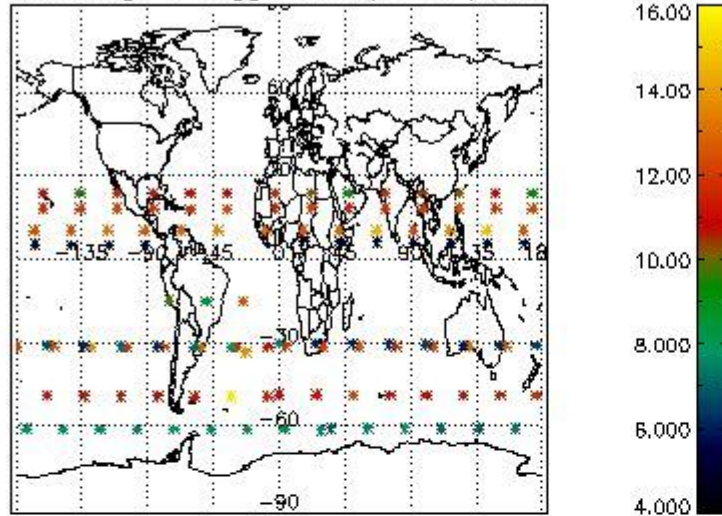
#### 3.1 Plot quality information per product (time dependant)



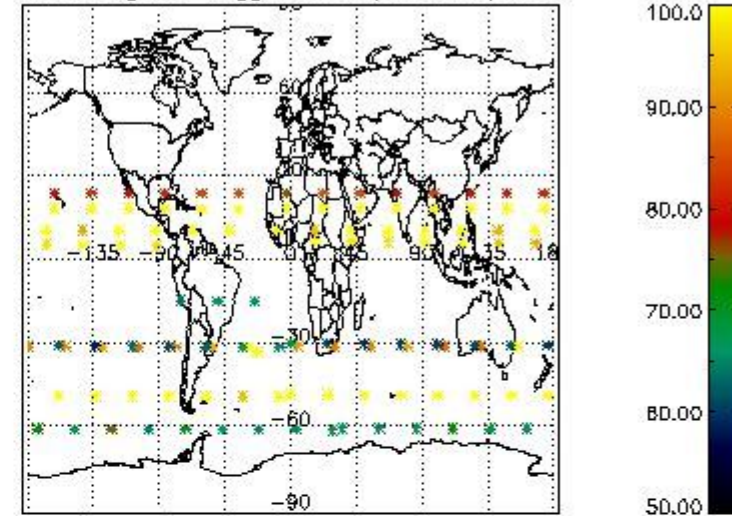


*3.2 Plot quality information per product (world map)*

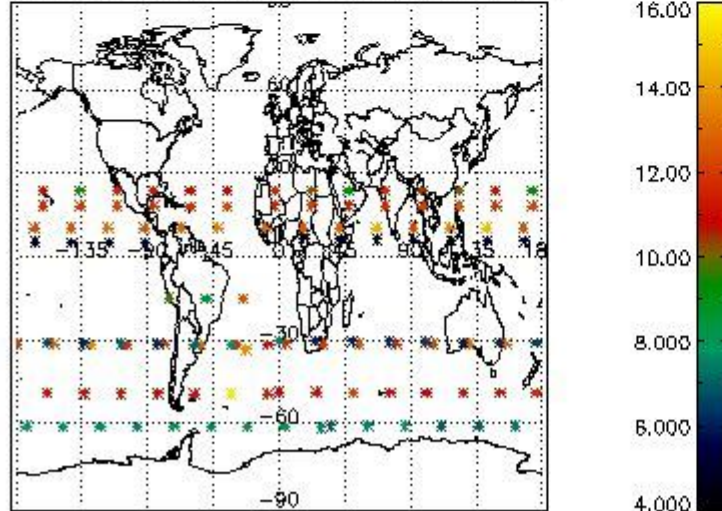
Percentage of flagged data per O3 profile



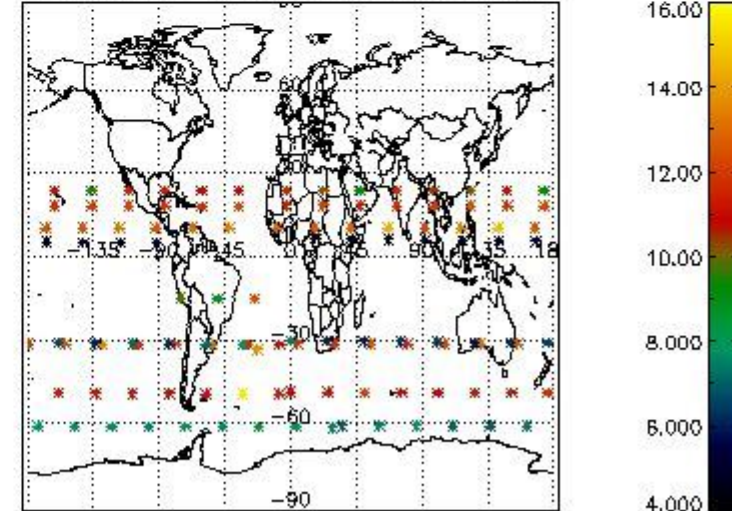
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

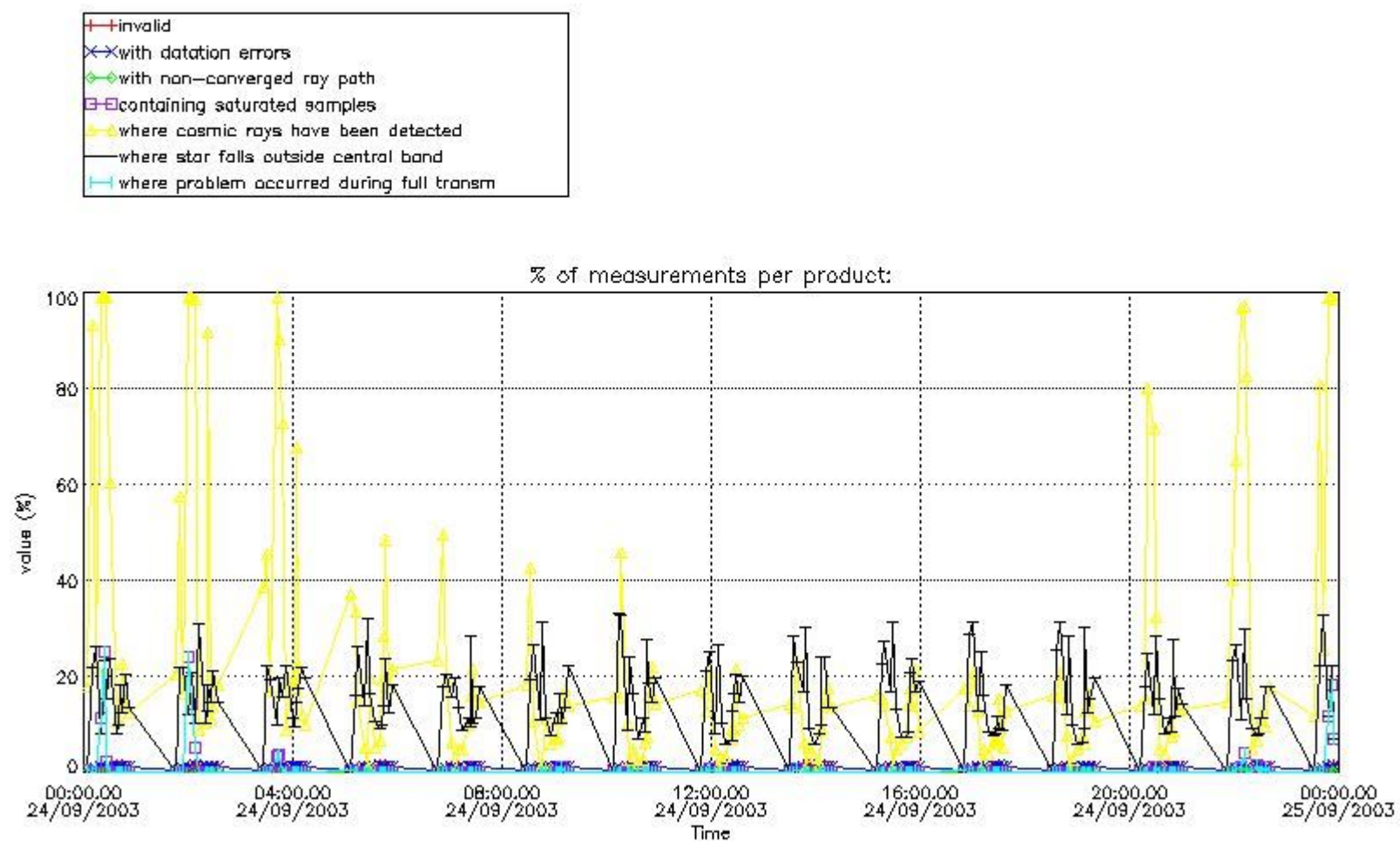


#### 4. Level 1 quality information per product

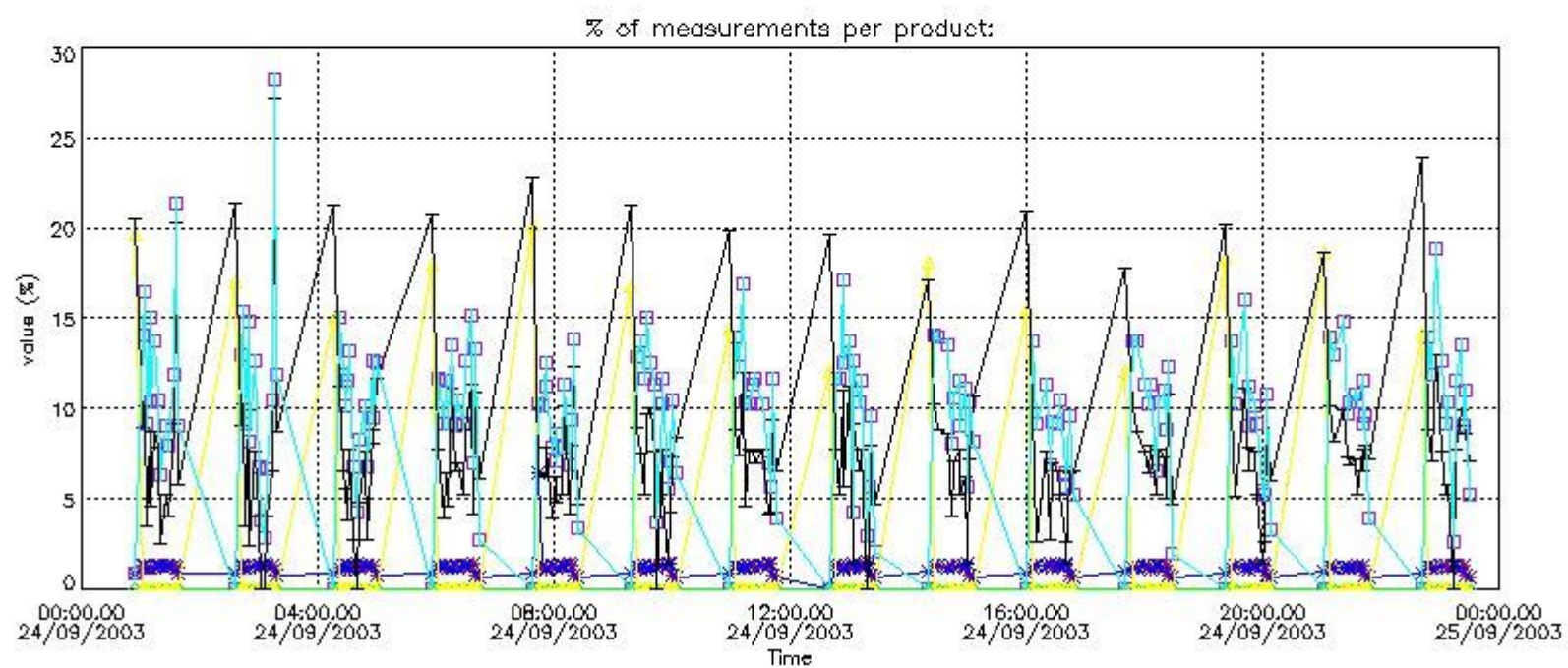
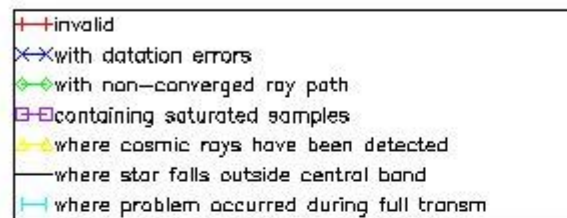
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

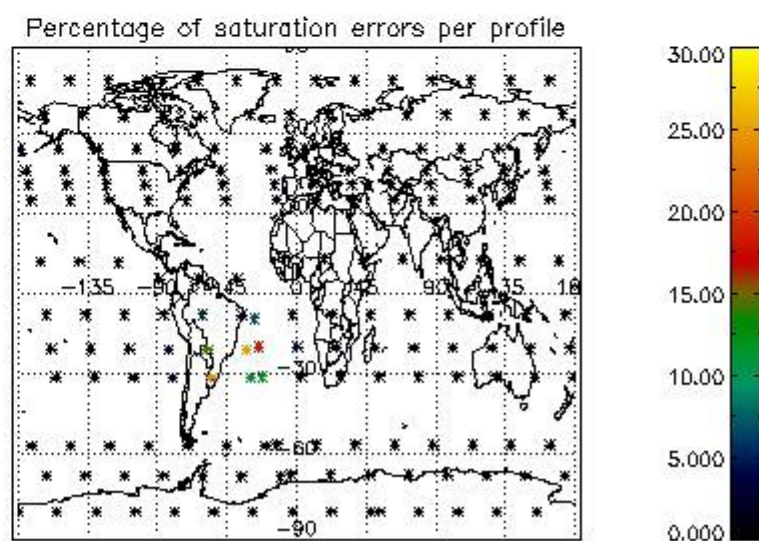
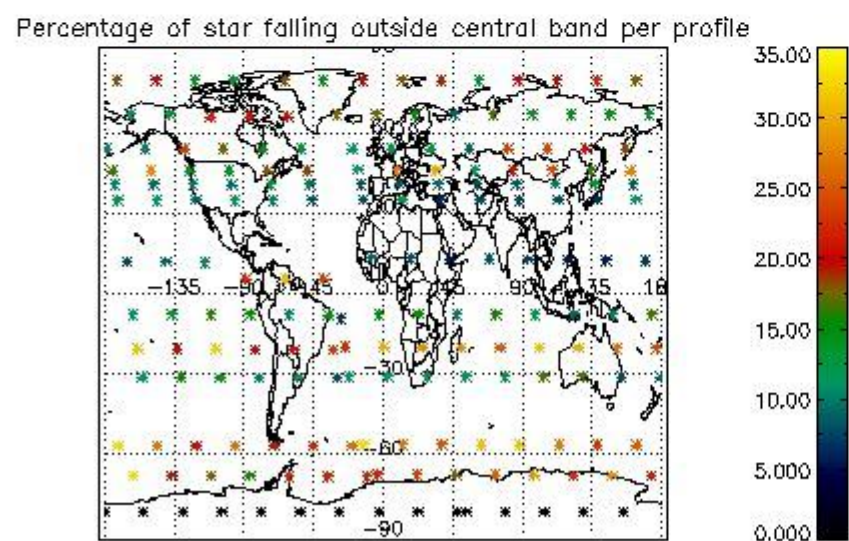
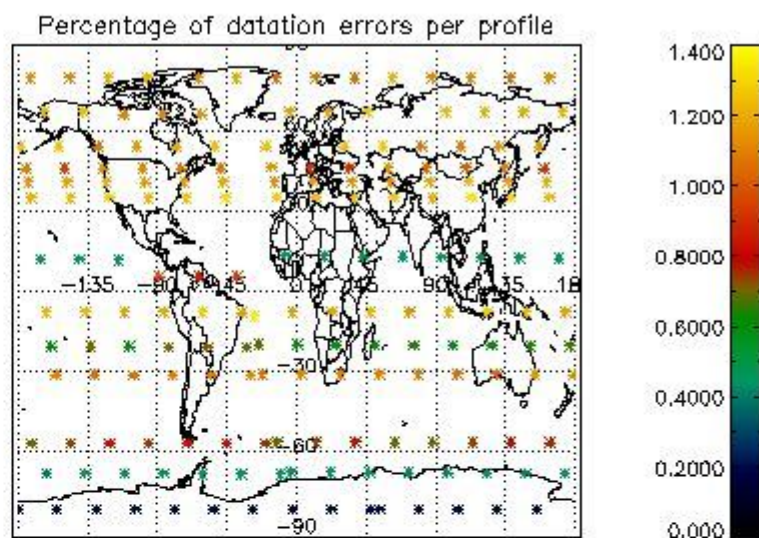
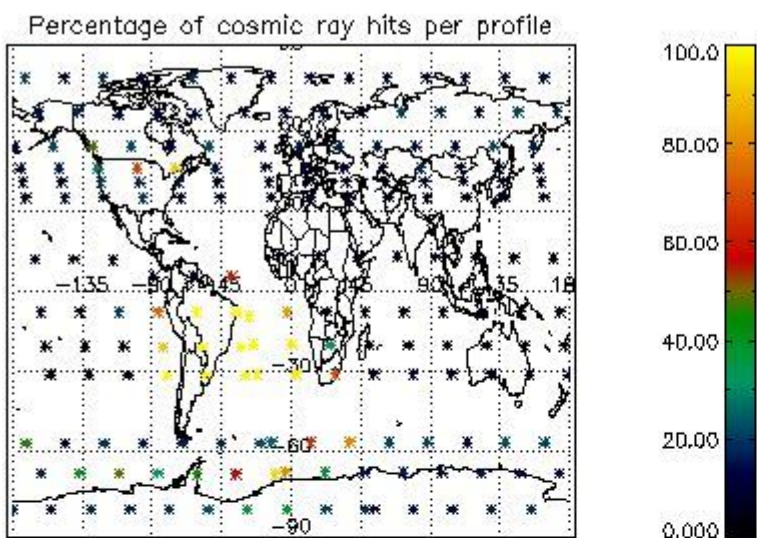


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

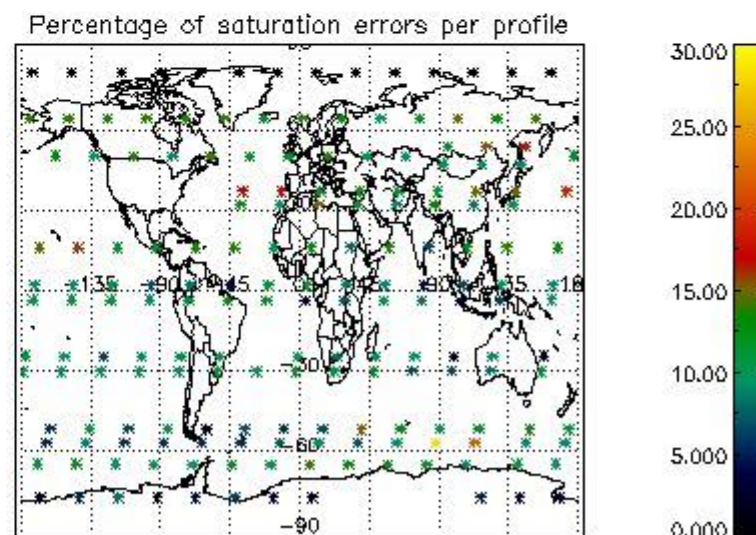
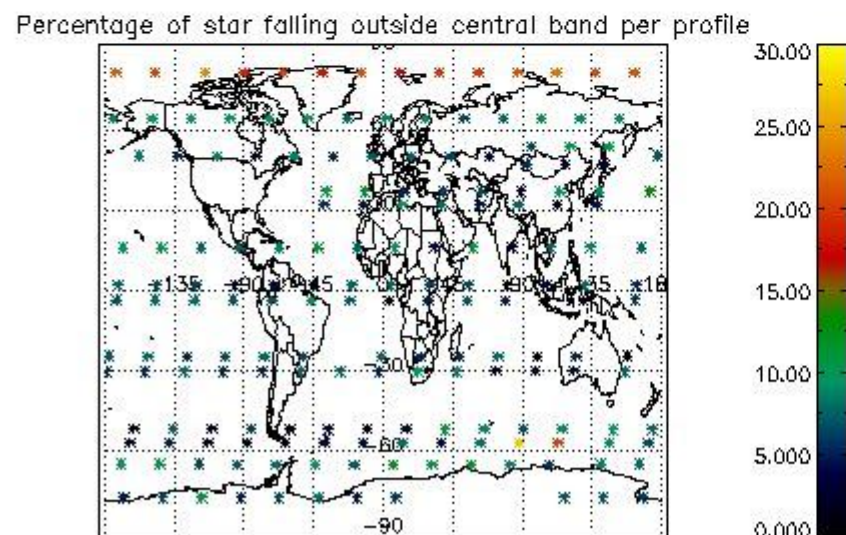
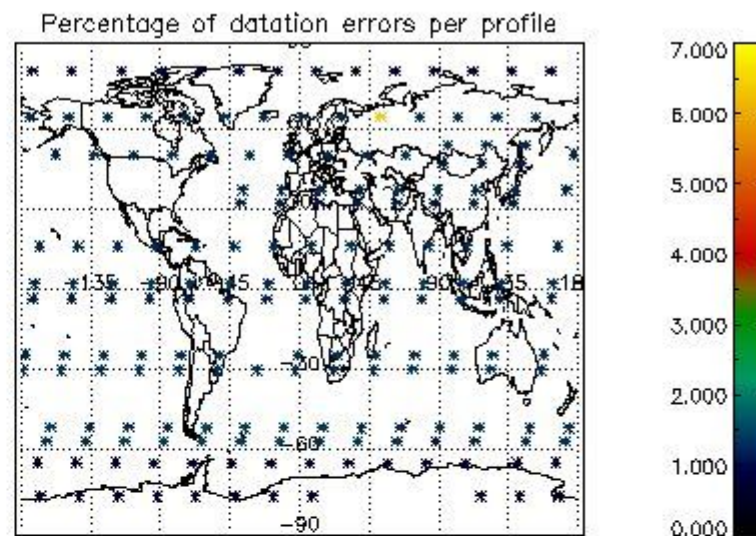
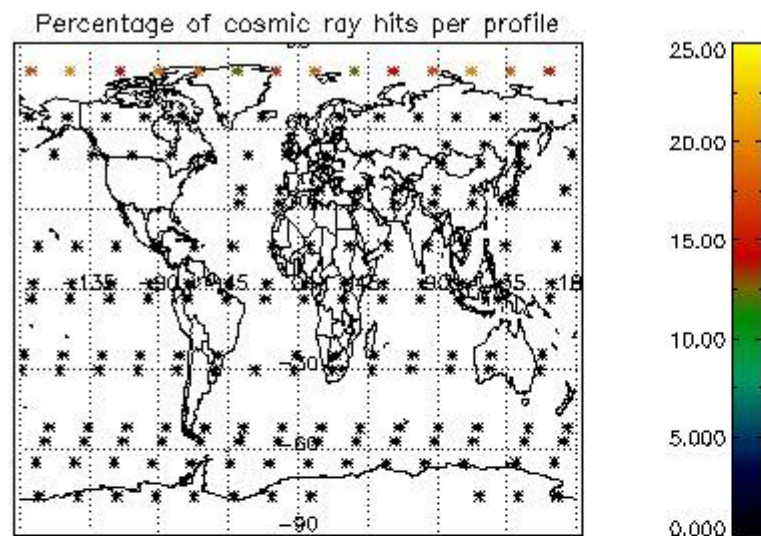


*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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

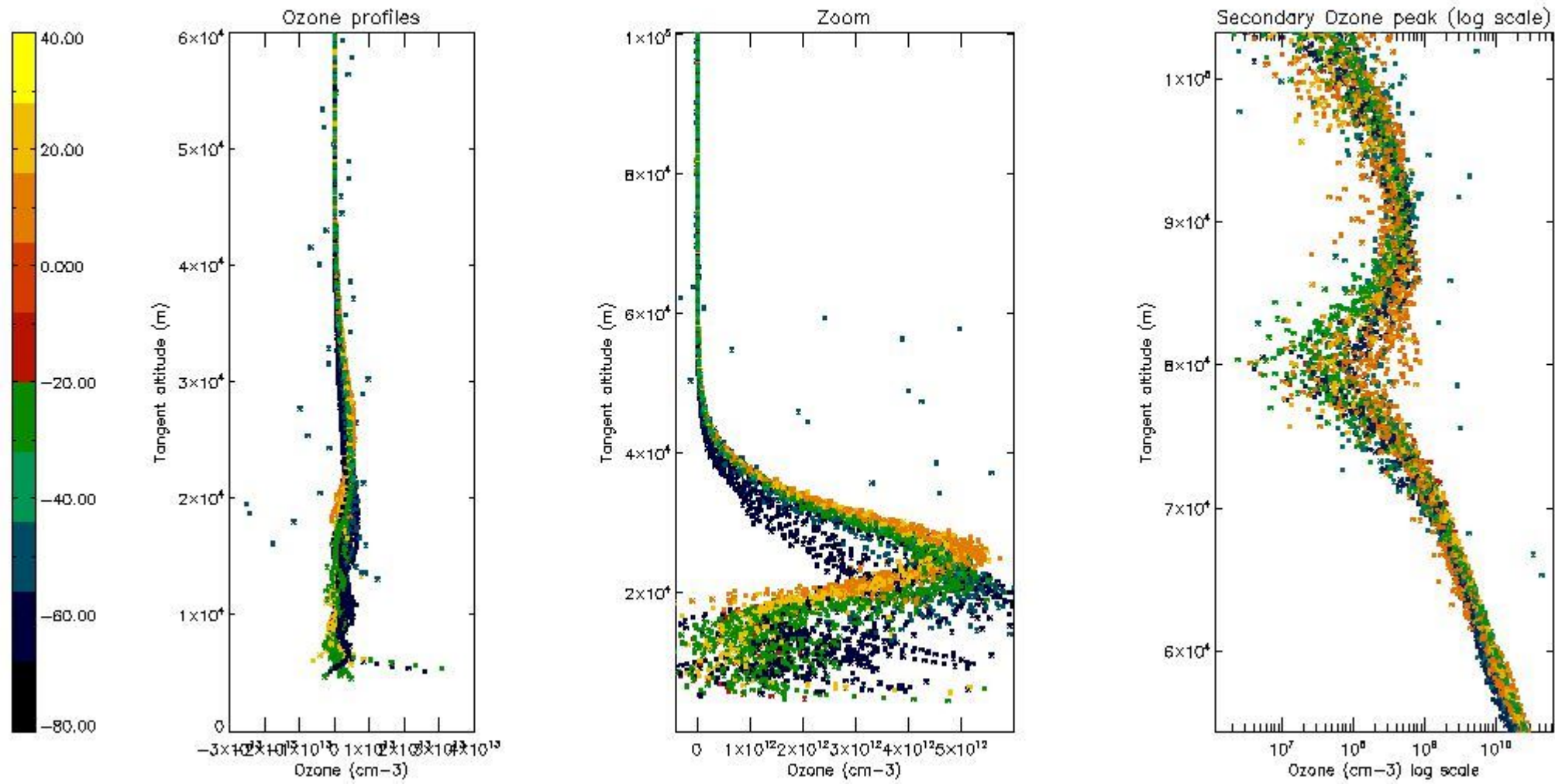
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	19

STD < 10	16
STD < 5	10

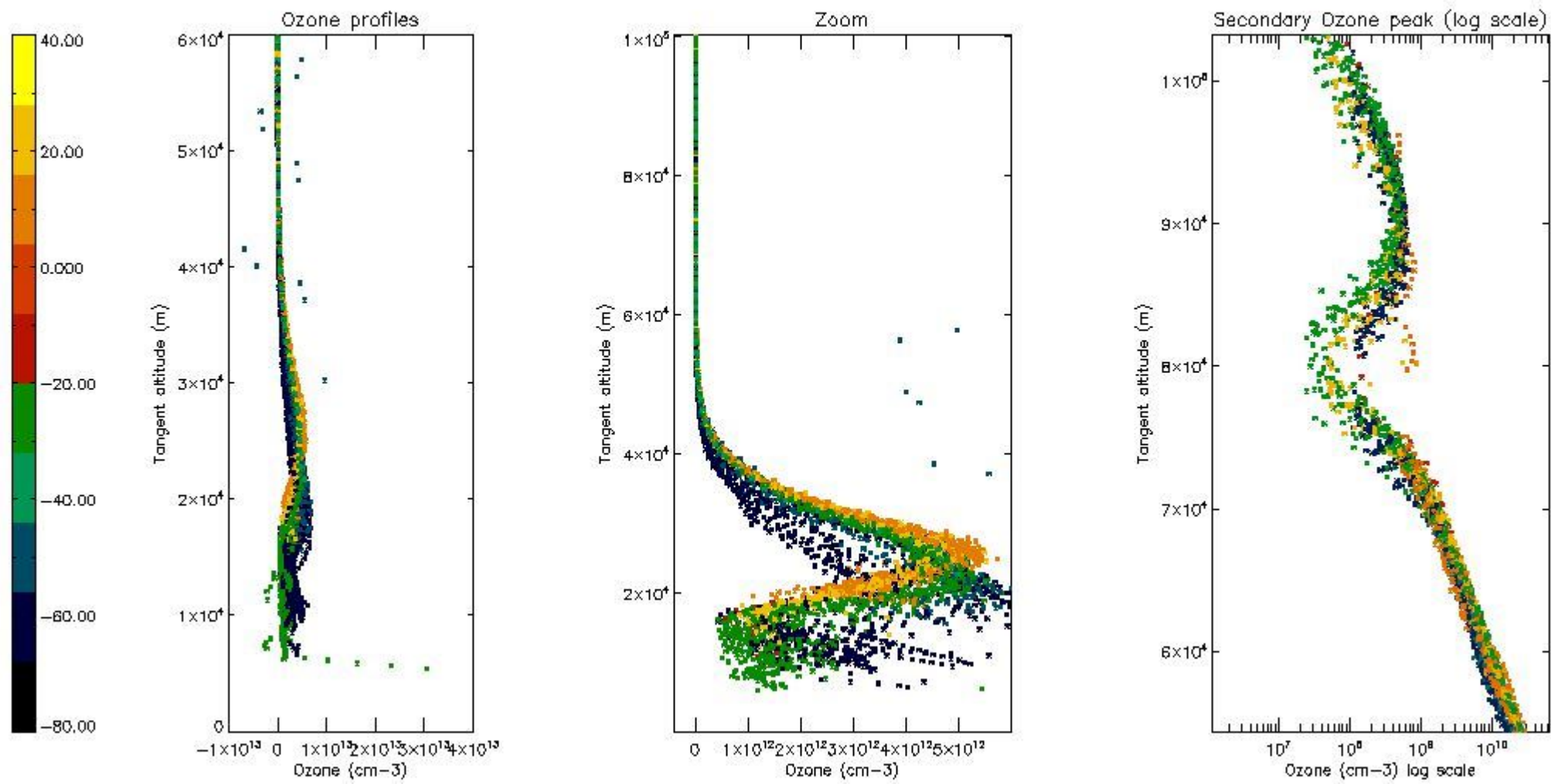
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

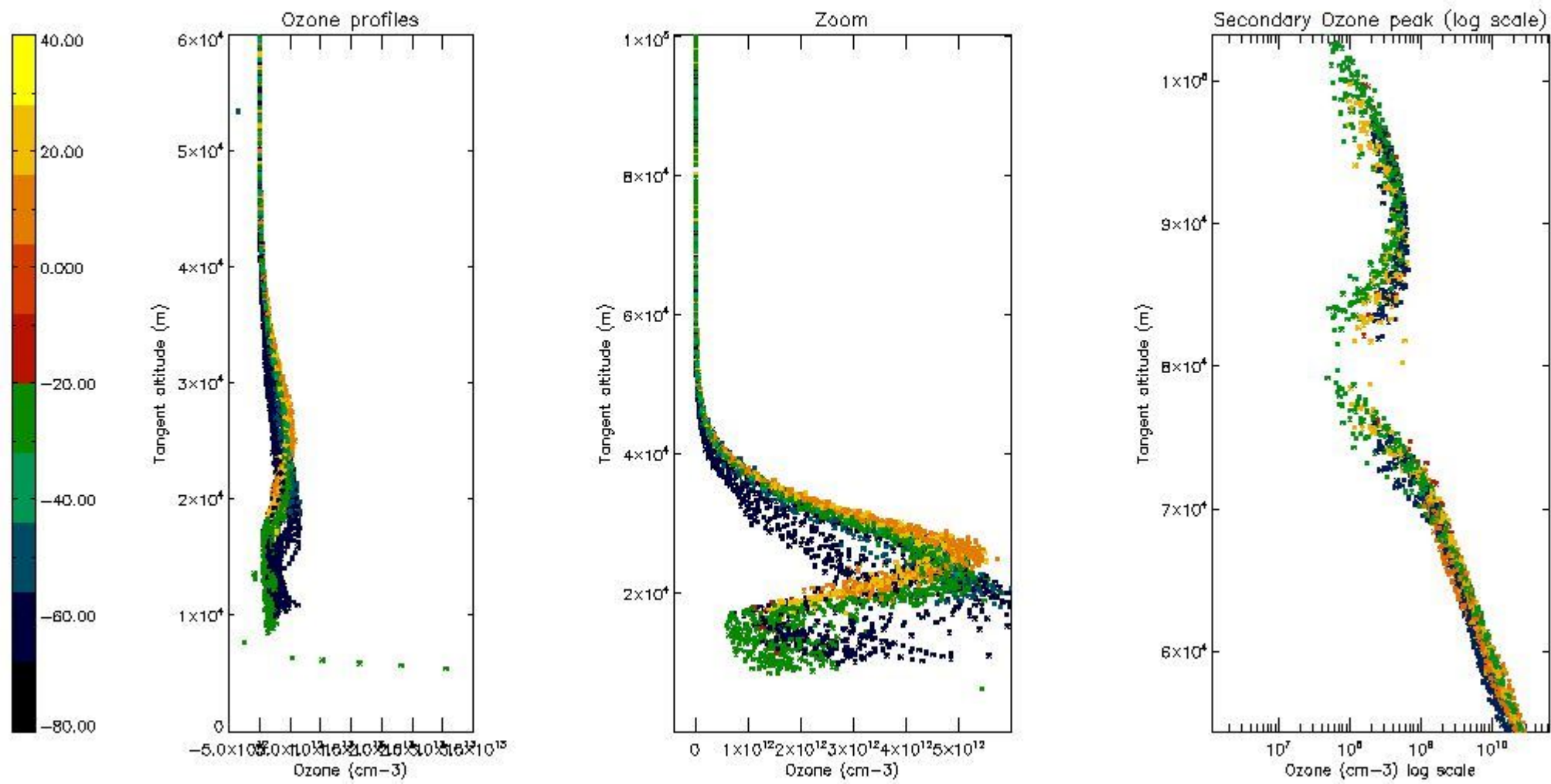
The colorbar represents the latitude.



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

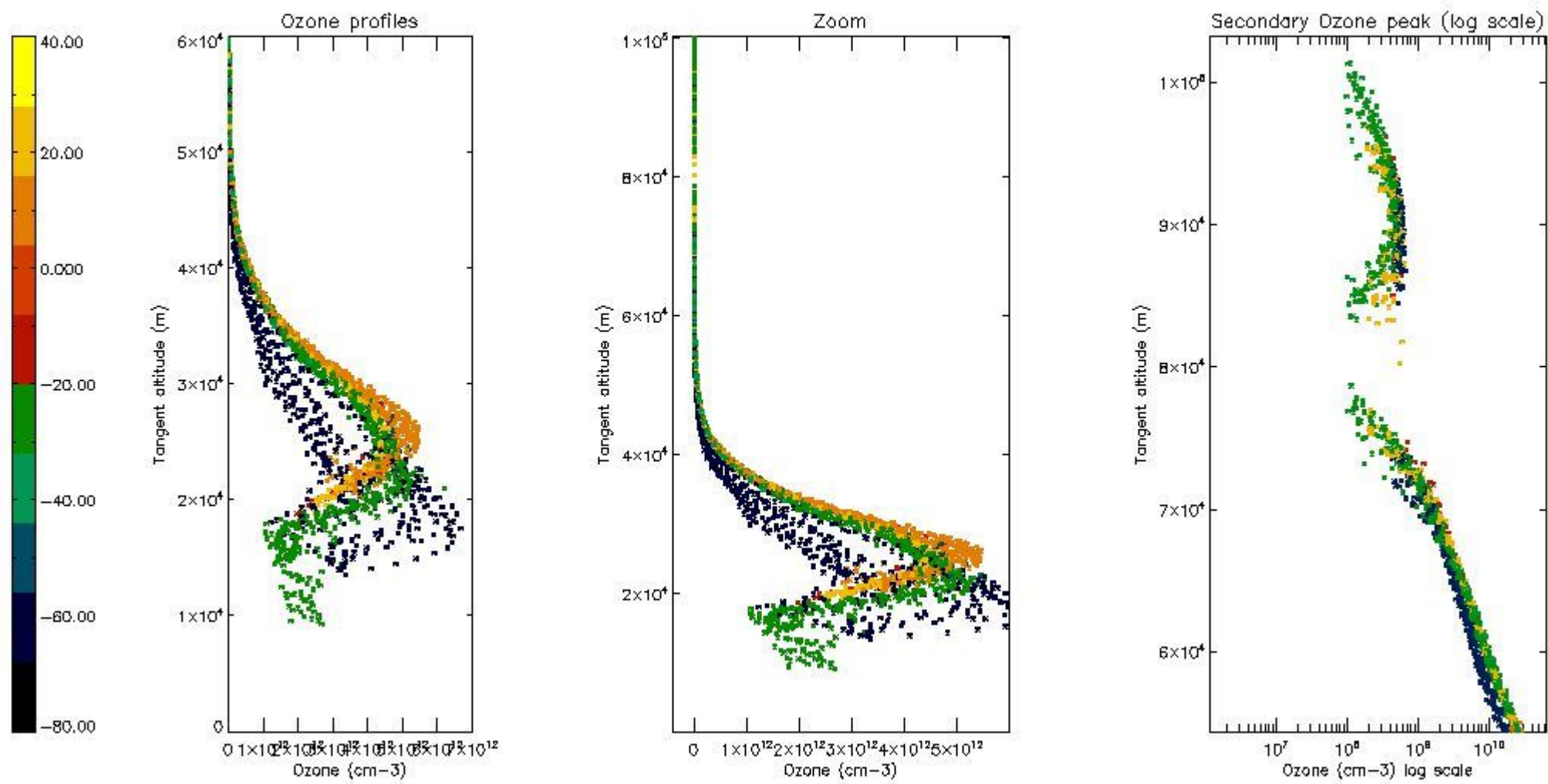
The colorbar represents the latitude.





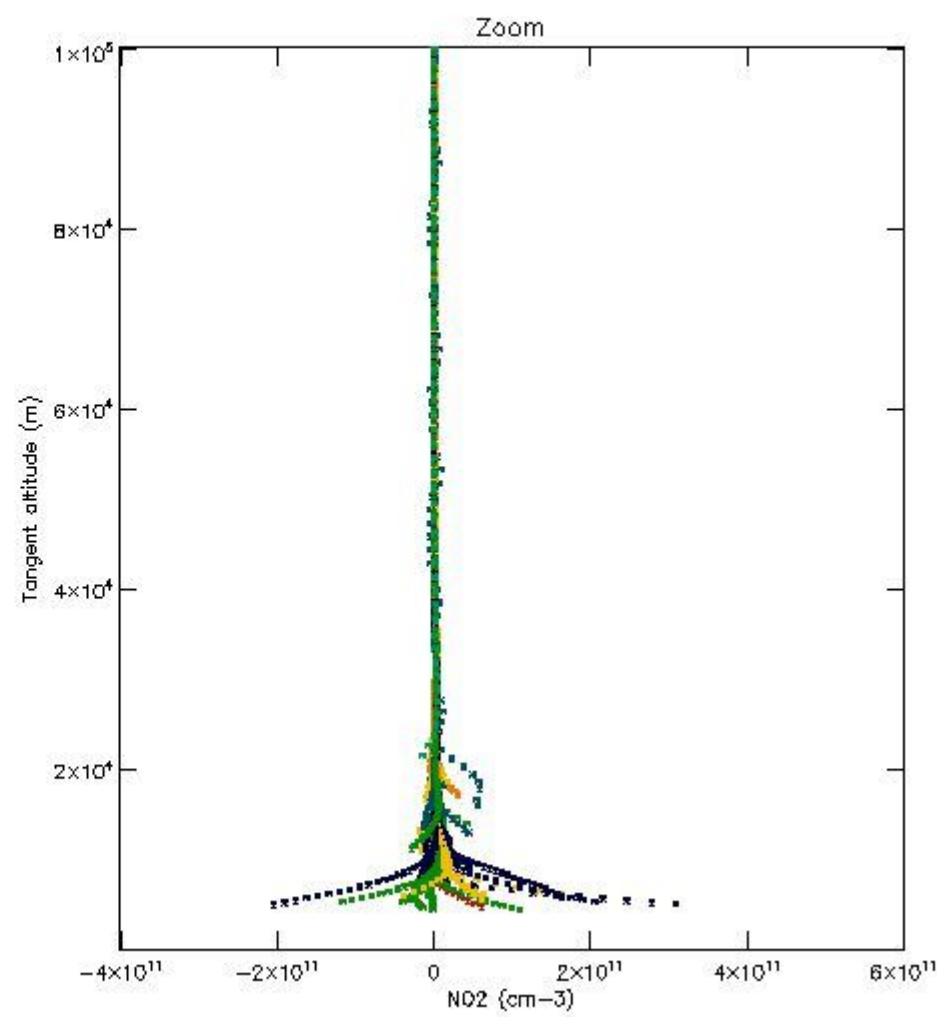
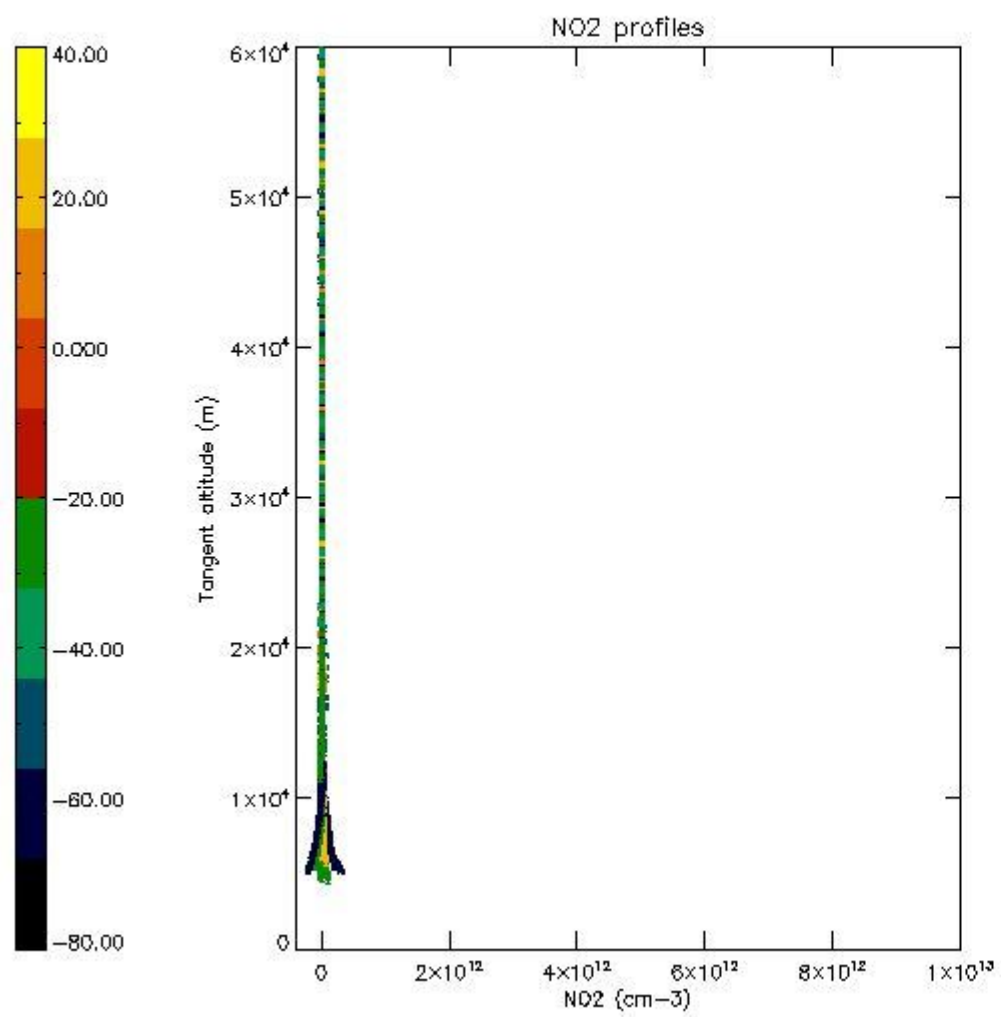
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



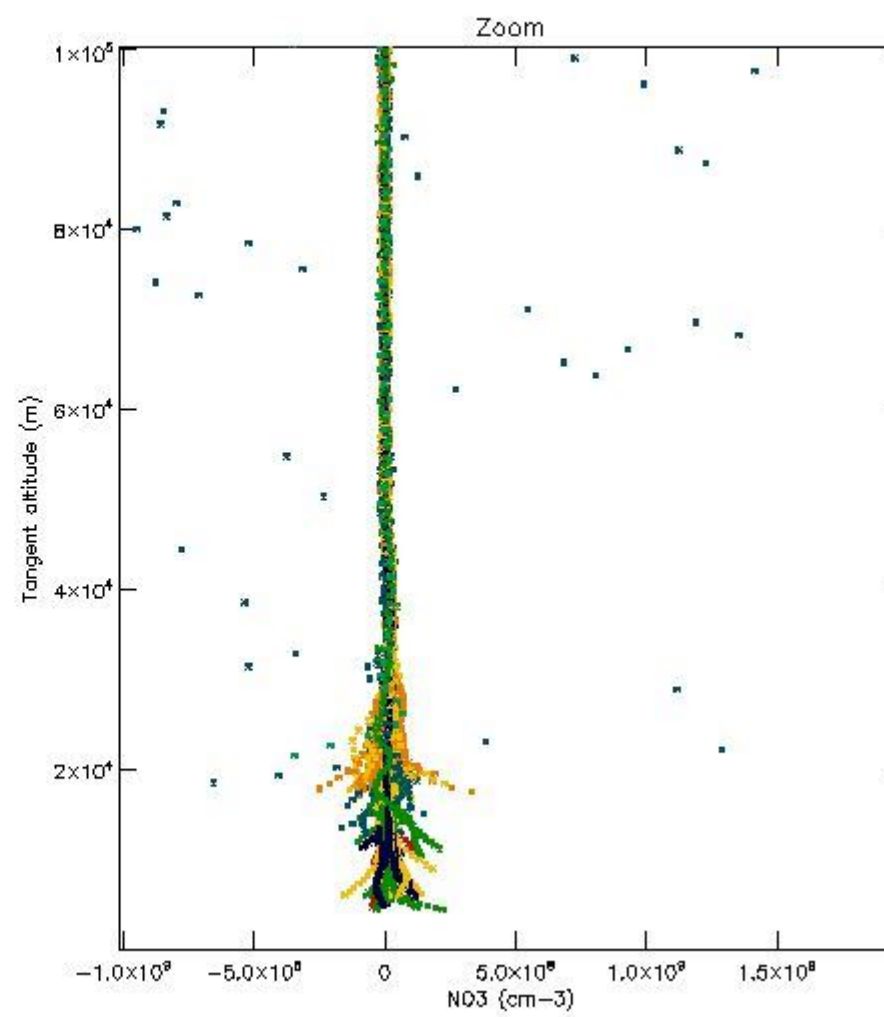
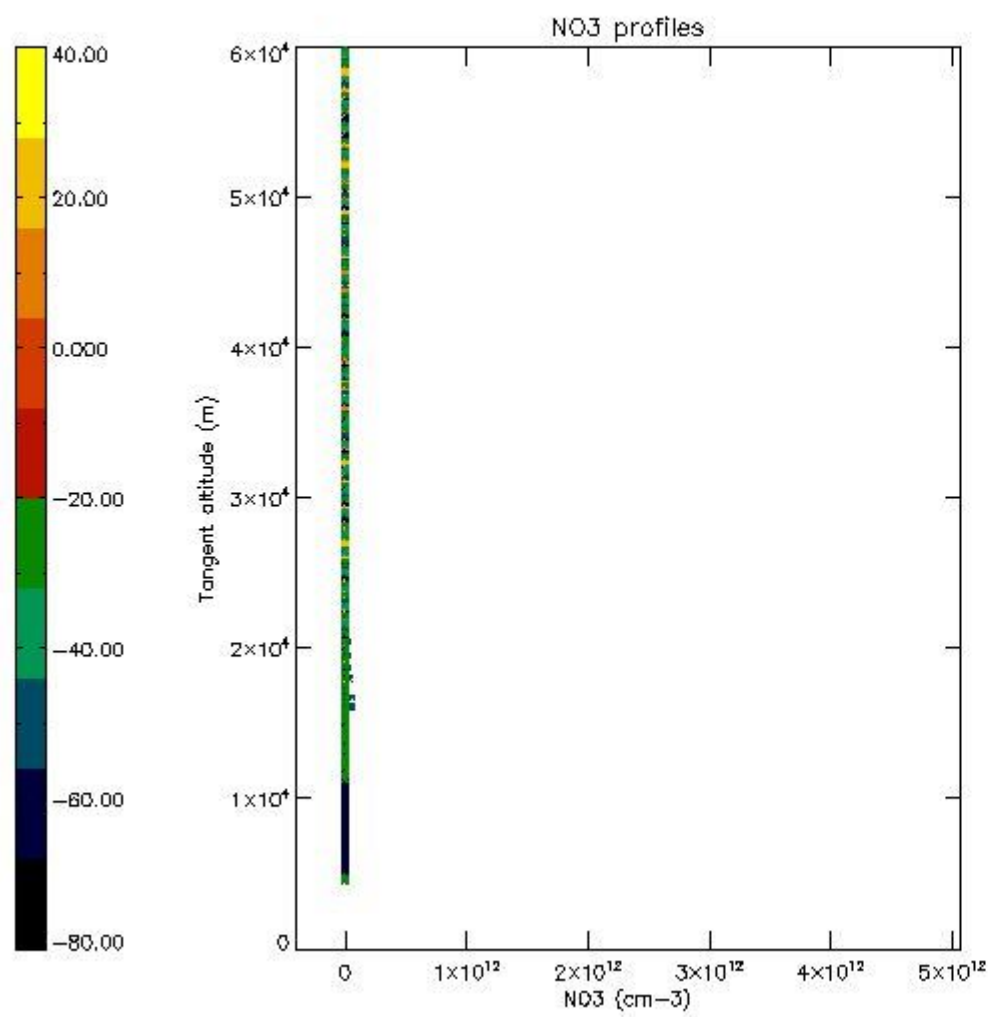
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



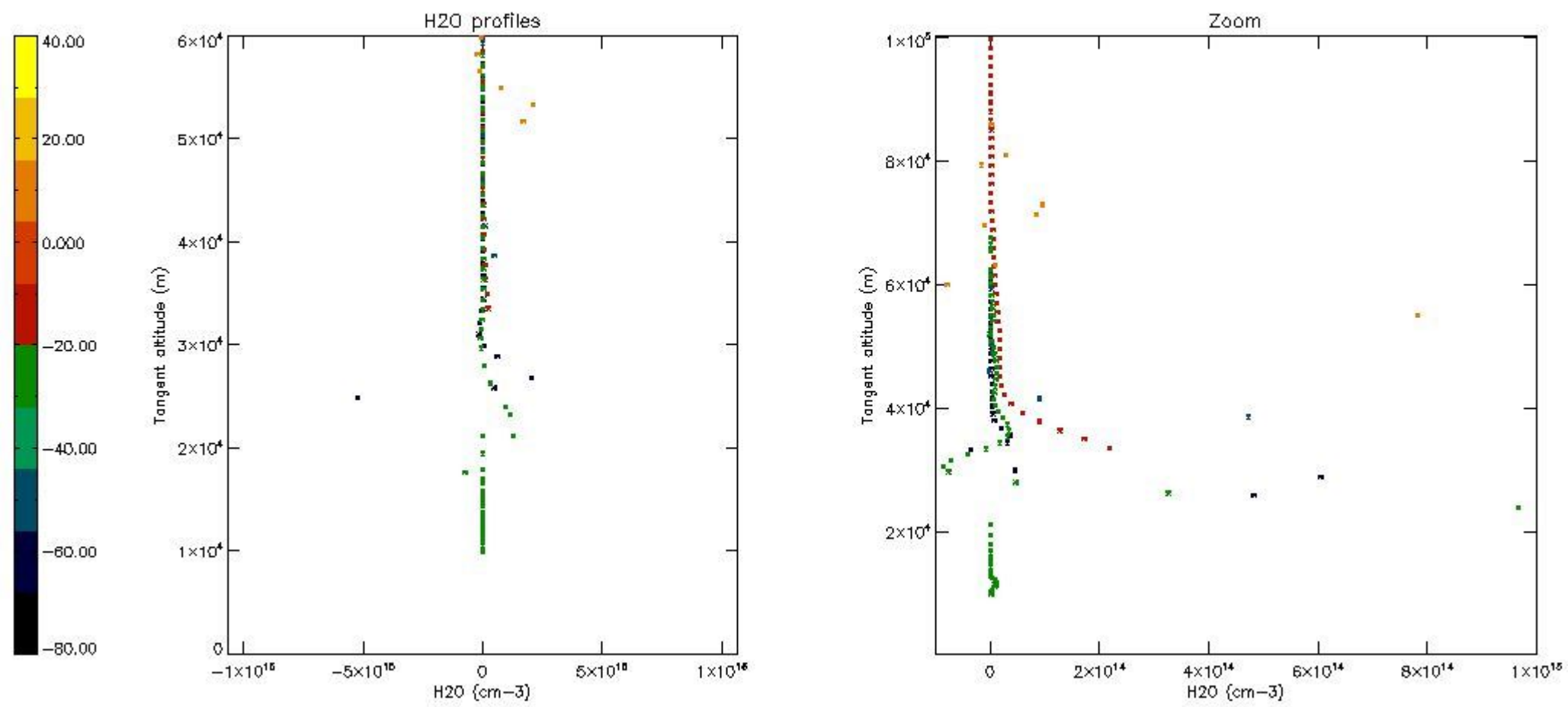
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



*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	24-SEP-2003 00:04:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-SEP-2003 00:04:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-SEP-2003 00:04:27

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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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	19APR2013 20:39:29
Data source version	GOMOS/6.01
Start time of products	24-09-2003 (24SEP2003 00:00:00)
Stop time of products	25-09-2003 (25SEP2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	386
Nb of prods with errors	14

## 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__2PRFIN20030924_000427_000002552020_00116_08186_0187.N1	24-SEP-2003 00:04:27	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8186	No
2	GOM_NL__2PRFIN20030924_000939_000001082020_00116_08186_0188.N1	24-SEP-2003 00:09:39	Straylight	107.50	151	13Mu Gem	2.8900	3000.0	215	8186	No
3	GOM_NL__2PRFIN20030924_001303_000000672020_00116_08186_0189.N1	24-SEP-2003 00:13:03	Dark	66.500	8	10Alp CMi	0.40000	6500.0	133	8186	No
4	GOM_NL__2PRFIN20030924_002020_000000452020_00116_08186_0190.N1	24-SEP-2003 00:20:20	Dark	44.500	132	15Rho Pup	2.8030	6900.0	89	8186	No
5	GOM_NL__2PRFIN20030924_002316_000000742020_00116_08186_0191.N1	24-SEP-2003 00:23:16	Dark	73.500	1	9Alp CMa	-1.4400	11000.	147	8186	No
6	GOM_NL__2PRFIN20030924_002657_000000432020_00116_08186_0192.N1	24-SEP-2003 00:26:57	Dark	43.000	46	Del Vel	1.9540	10600.	86	8186	No
7	GOM_NL__2PRFIN20030924_003041_000000532020_00117_08187_0273.N1	24-SEP-2003 00:30:41	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	8187	No
8	GOM_NL__2PRFIN20030924_003858_000000382020_00117_08187_0274.N1	24-SEP-2003 00:38:58	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	8187	No
9	GOM_NL__2PRFIN20030924_004036_000000422020_00117_08187_0275.N1	24-SEP-2003 00:40:36	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	8187	No
10	GOM_NL__2PRFIN20030924_004203_000000472020_00117_08187_0276.N1	24-SEP-2003 00:42:03	Dark	46.500	9	Alp Eri	0.45300	24000.	93	8187	No
11	GOM_NL__2PRFIN20030924_004426_000000402020_00117_08187_0277.N1	24-SEP-2003 00:44:26	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	8187	No
12	GOM_NL__2PRFIN20030924_004755_000000442020_00117_08187_0278.N1	24-SEP-2003 00:47:55	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	8187	No
13	GOM_NL__2PRFIN20030924_005230_000000412020_00117_08187_0279.N1	24-SEP-2003 00:52:30	Straylight	41.000	18	24Alp PsA	1.1660	9700.0	82	8187	No
14	GOM_NL__2PRFIN20030924_005450_000000562020_00117_08187_0280.N1	24-SEP-2003 00:54:50	Twilight	56.000	52	16Bet Cet	2.0370	4500.0	112	8187	No
15	GOM_NL__2PRFIN20030924_005640_000000512020_00117_08187_0281.N1	24-SEP-2003 00:56:40	Dark	51.000	1014	Mars	0.0000	0.0000	102	8187	Yes
16	GOM_NL__2PRFIN20030924_010109_000000392020_00117_08187_0282.N1	24-SEP-2003 01:01:09	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	8187	No
17	GOM_NL__2PRFIN20030924_010414_000000402020_00117_08187_0283.N1	24-SEP-2003 01:04:14	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	8187	No
18	GOM_NL__2PRFIN20030924_010605_000000442020_00117_08187_0284.N1	24-SEP-2003 01:06:05	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	8187	No
19	GOM_NL__2PRFIN20030924_010900_000000402020_00117_08187_0285.N1	24-SEP-2003 01:09:00	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	8187	No
20	GOM_NL__2PRFIN20030924_011023_000000442020_00117_08187_0286.N1	24-SEP-2003 01:10:23	Bright	43.500	58	21Alp And	2.0730	11000.	87	8187	No
21	GOM_NL__2PRFIN20030924_011451_000000402020_00117_08187_0287.N1	24-SEP-2003 01:14:51	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	8187	No
22	GOM_NL__2PRFIN20030924_011850_000000382020_00117_08187_0288.N1	24-SEP-2003 01:18:50	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	8187	No
23	GOM_NL__2PRFIN20030924_012027_000000402020_00117_08187_0289.N1	24-SEP-2003 01:20:27	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	8187	No
24	GOM_NL__2PRFIN20030924_012617_000000392020_00117_08187_0290.N1	24-SEP-2003 01:26:17	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	8187	No
25	GOM_NL__2PRFIN20030924_012749_000000382020_00117_08187_0291.N1	24-SEP-2003 01:27:49	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	8187	No
26	GOM_NL__2PRFIN20030924_013359_000000382020_00117_08187_0292.N1	24-SEP-2003 01:33:59	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	8187	No
27	GOM_NL__2PRFIN20030924_013528_000000422020_00117_08187_0293.N1	24-SEP-2003 01:35:28	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	8187	No
28	GOM_NL__2PRFIN20030924_013754_000000612020_00117_08187_0294.N1	24-SEP-2003 01:37:54	Bright	60.500	42	34Bet Aur	1.9000	10200.	121	8187	No
29	GOM_NL__2PRFIN20030924_014503_000002552020_00117_08187_0295.N1	24-SEP-2003 01:45:03	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8187	No
30	GOM_NL__2PRFIN20030924_015016_000001082020_00117_08187_0296.N1	24-SEP-2003 01:50:16	Straylight	108.00	151	13Mu Gem	2.8900	3000.0	216	8187	No
31	GOM_NL__2PRFIN20030924_015340_000000622020_00117_08187_0297.N1	24-SEP-2003 01:53:40	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	8187	No
32	GOM_NL__2PRFIN20030924_020058_000000462020_00117_08187_0298.N1	24-SEP-2003 02:00:58	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	8187	No
33	GOM_NL__2PRFIN20030924_020354_000000702020_00117_08187_0299.N1	24-SEP-2003 02:03:54	Dark	70.000	1	9Alp CMa	-1.4400	11000.	140	8187	No
34	GOM_NL__2PRFIN20030924_020734_000000392020_00117_08187_0300.N1	24-SEP-2003 02:07:34	Dark	39.000	46	Del Vel	1.9540	10600.	78	8187	No
35	GOM_NL__2PRFIN20030924_021118_000000582020_00118_08188_0274.N1	24-SEP-2003 02:11:18	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	8188	No
36	GOM_NL__2PRFIN20030924_021934_000000402020_00118_08188_0275.N1	24-SEP-2003 02:19:34	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	8188	No
37	GOM_NL__2PRFIN20030924_022113_000000432020_00118_08188_0276.N1	24-SEP-2003 02:21:13	Dark	43.000	143	Alp Hyi	2.8570	7200.0	86	8188	No
38	GOM_NL__2PRFIN20030924_022240_000000472020_00118_08188_0277.N1	24-SEP-2003 02:22:40	Dark	47.000	9	Alp Eri	0.45300	24000.	94	8188	No
39	GOM_NL__2PRFIN20030924_022501_000000422020_00118_08188_0278.N1	24-SEP-2003 02:25:01	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	8188	No
40	GOM_NL__2PRFIN20030924_022831_000000452020_00118_08188_0279.N1	24-SEP-2003 02:28:31	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	8188	No
41	GOM_NL__2PRFIN20030924_023306_000000422020_00118_08188_0280.N1	24-SEP-2003 02:33:06	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	8188	No
42	GOM_NL__2PRFIN20030924_023527_000000562020_00118_08188_0281.N1	24-SEP-2003 02:35:27	Twilight	56.000	52	16Bet Cet	2.0370	4500.0	112	8188	No

43	GOM_NL__2PRFIN20030924_023716_000000492020_00118_08188_0282.N1	24-SEP-2003 02:37:16	Dark	49.000	1014	Mars	0.0000	0.0000	98	8188	Yes
44	GOM_NL__2PRFIN20030924_024146_000000392020_00118_08188_0283.N1	24-SEP-2003 02:41:46	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	8188	No
45	GOM_NL__2PRFIN20030924_024450_000000392020_00118_08188_0284.N1	24-SEP-2003 02:44:50	Bright	39.000	61	8Eps Peg	2.1000	3900.0	78	8188	No
46	GOM_NL__2PRFIN20030924_024640_000000442020_00118_08188_0285.N1	24-SEP-2003 02:46:40	Bright	43.500	140	88Gam Peg	2.8340	26000.	87	8188	No
47	GOM_NL__2PRFIN20030924_024936_000000412020_00118_08188_0286.N1	24-SEP-2003 02:49:36	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	8188	No
48	GOM_NL__2PRFIN20030924_025058_000000432020_00118_08188_0287.N1	24-SEP-2003 02:50:58	Bright	42.500	58	21Alp And	2.0730	11000.	85	8188	No
49	GOM_NL__2PRFIN20030924_025527_000000402020_00118_08188_0288.N1	24-SEP-2003 02:55:27	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	8188	No
50	GOM_NL__2PRFIN20030924_025926_000000372020_00118_08188_0289.N1	24-SEP-2003 02:59:26	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	8188	No
51	GOM_NL__2PRFIN20030924_030102_000000392020_00118_08188_0290.N1	24-SEP-2003 03:01:02	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	8188	No
52	GOM_NL__2PRFIN20030924_030653_000000352020_00118_08188_0291.N1	24-SEP-2003 03:06:53	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	8188	No
53	GOM_NL__2PRFIN20030924_030825_000000382020_00118_08188_0292.N1	24-SEP-2003 03:08:25	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	8188	No
54	GOM_NL__2PRFIN20030924_031435_000000382020_00118_08188_0293.N1	24-SEP-2003 03:14:35	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	8188	No
55	GOM_NL__2PRFIN20030924_031604_000000462020_00118_08188_0294.N1	24-SEP-2003 03:16:04	Bright	46.000	82	48Bet UMa	2.3650	10600.	92	8188	No
56	GOM_NL__2PRFIN20030924_031829_000000632020_00118_08188_0295.N1	24-SEP-2003 03:18:29	Bright	63.000	42	34Bet Aur	1.9000	10200.	126	8188	No
57	GOM_NL__2PRFIN20030924_032539_000002552020_00118_08188_0296.N1	24-SEP-2003 03:25:39	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8188	No
58	GOM_NL__2PRFIN20030924_033053_000001092020_00118_08188_0297.N1	24-SEP-2003 03:30:53	Straylight	109.00	151	13Mu Gem	2.8900	3000.0	218	8188	No
59	GOM_NL__2PRFIN20030924_033417_000000602020_00118_08188_0298.N1	24-SEP-2003 03:34:17	Dark	60.000	8	10Alp CMi	0.40000	6500.0	120	8188	No
60	GOM_NL__2PRFIN20030924_034133_000000462020_00118_08188_0299.N1	24-SEP-2003 03:41:33	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	8188	No
61	GOM_NL__2PRFIN20030924_034430_000000712020_00118_08188_0300.N1	24-SEP-2003 03:44:30	Dark	71.000	1	9Alp CMa	-1.4400	11000.	142	8188	No
62	GOM_NL__2PRFIN20030924_034809_000000422020_00118_08188_0301.N1	24-SEP-2003 03:48:09	Dark	42.000	46	Del Vel	1.9540	10600.	84	8188	No
63	GOM_NL__2PRFIN20030924_035155_000000522020_00119_08189_0165.N1	24-SEP-2003 03:51:55	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	8189	No
64	GOM_NL__2PRFIN20030924_040009_000000412020_00119_08189_0166.N1	24-SEP-2003 04:00:09	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	8189	No
65	GOM_NL__2PRFIN20030924_040148_000000432020_00119_08189_0167.N1	24-SEP-2003 04:01:48	Dark	43.000	143	Alp Hyi	2.8570	7200.0	86	8189	No
66	GOM_NL__2PRFIN20030924_040316_000000452020_00119_08189_0168.N1	24-SEP-2003 04:03:16	Dark	45.000	9	Alp Eri	0.45300	24000.	90	8189	No
67	GOM_NL__2PRFIN20030924_040537_000000432020_00119_08189_0169.N1	24-SEP-2003 04:05:37	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	8189	No
68	GOM_NL__2PRFIN20030924_040907_000000462020_00119_08189_0170.N1	24-SEP-2003 04:09:07	Straylight	45.500	63	Bet Gru	2.1500	2800.0	91	8189	No
69	GOM_NL__2PRFIN20030924_041342_000000462020_00119_08189_0171.N1	24-SEP-2003 04:13:42	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	8189	No
70	GOM_NL__2PRFIN20030924_041602_000000572020_00119_08189_0172.N1	24-SEP-2003 04:16:02	Twilight	56.500	52	16Bet Cet	2.0370	4500.0	113	8189	No
71	GOM_NL__2PRFIN20030924_041752_000000512020_00119_08189_0173.N1	24-SEP-2003 04:17:52	Dark	51.000	1014	Mars	0.0000	0.0000	102	8189	Yes
72	GOM_NL__2PRFIN20030924_042221_000000402020_00119_08189_0174.N1	24-SEP-2003 04:22:21	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	8189	No
73	GOM_NL__2PRFIN20030924_042526_000000382020_00119_08189_0175.N1	24-SEP-2003 04:25:26	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	8189	No
74	GOM_NL__2PRFIN20030924_042715_000000452020_00119_08189_0176.N1	24-SEP-2003 04:27:15	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	8189	No
75	GOM_NL__2PRFIN20030924_043011_000000392020_00119_08189_0177.N1	24-SEP-2003 04:30:11	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	8189	No
76	GOM_NL__2PRFIN20030924_043133_000000462020_00119_08189_0178.N1	24-SEP-2003 04:31:33	Bright	45.500	58	21Alp And	2.0730	11000.	91	8189	No
77	GOM_NL__2PRFIN20030924_043603_000000372020_00119_08189_0179.N1	24-SEP-2003 04:36:03	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	8189	No
78	GOM_NL__2PRFIN20030924_044001_000000362020_00119_08189_0180.N1	24-SEP-2003 04:40:01	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	8189	No
79	GOM_NL__2PRFIN20030924_044137_000000422020_00119_08189_0181.N1	24-SEP-2003 04:41:37	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	8189	No
80	GOM_NL__2PRFIN20030924_044729_000000402020_00119_08189_0182.N1	24-SEP-2003 04:47:29	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	8189	No
81	GOM_NL__2PRFIN20030924_044901_000000372020_00119_08189_0183.N1	24-SEP-2003 04:49:01	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	8189	No
82	GOM_NL__2PRFIN20030924_045511_000000402020_00119_08189_0184.N1	24-SEP-2003 04:55:11	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	8189	No
83	GOM_NL__2PRFIN20030924_045640_000000372020_00119_08189_0185.N1	24-SEP-2003 04:56:40	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	8189	No
84	GOM_NL__2PRFIN20030924_045905_000000642020_00119_08189_0186.N1	24-SEP-2003 04:59:05	Bright	64.000	42	34Bet Aur	1.9000	10200.	128	8189	No
85	GOM_NL__2PRFIN20030924_050615_000002552020_00119_08189_0187.N1	24-SEP-2003 05:06:15	Twilight	255.00	114	3lot Aur	2.6930	4600.0	510	8189	No
86	GOM_NL__2PRFIN20030924_051130_000001012020_00119_08189_0188.N1	24-SEP-2003 05:11:30	Straylight	100.50	151	13Mu Gem	2.8900	3000.0	201	8189	No
87	GOM_NL__2PRFIN20030924_051453_000000672020_00119_08189_0189.N1	24-SEP-2003 05:14:53	Dark	66.500	8	10Alp CMi	0.40000	6500.0	133	8189	No
88	GOM_NL__2PRFIN20030924_052210_000000482020_00119_08189_0190.N1	24-SEP-2003 05:22:10	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	8189	No
89	GOM_NL__2PRFIN20030924_052508_000000832020_00119_08189_0191.N1	24-SEP-2003 05:25:08	Dark	82.500	1	9Alp CMa	-1.4400	11000.	165	8189	No
90	GOM_NL__2PRFIN20030924_052846_000000432020_00119_08189_0192.N1	24-SEP-2003 05:28:46	Dark	43.000	46	Del Vel	1.9540	10600.	86	8189	No
91	GOM_NL__2PRFIN20030924_053415_000001092020_00120_08190_0348.N1	24-SEP-2003 05:34:15	Dark	108.50	101	11Alp Lep	2.5820	7000.0	217	8190	No
92	GOM_NL__2PRFIN20030924_054046_000000392020_00120_08190_0349.N1	24-SEP-2003 05:40:46	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	8190	No
93	GOM_NL__2PRFIN20030924_054225_000000422020_00120_08190_0350.N1	24-SEP-2003 05:42:25	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	8190	No
94	GOM_NL__2PRFIN20030924_054352_000000442020_00120_08190_0351.N1	24-SEP-2003 05:43:52	Dark	44.000	9	Alp Eri	0.45300	24000.	88	8190	No
95	GOM_NL__2PRFIN20030924_054613_000000472020_00120_08190_0352.N1	24-SEP-2003 05:46:13	Straylight	46.500	148	Alp Tuc	2.8780	4100.0	93	8190	No
96	GOM_NL__2PRFIN20030924_055000_000000402020_00120_08190_0353.N1	24-SEP-2003 05:50:00	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	8190	No
97	GOM_NL__2PRFIN20030924_055418_000000442020_00120_08190_0354.N1	24-SEP-2003 05:54:18	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	8190	No
98	GOM_NL__2PRFIN20030924_055639_000000562020_00120_08190_0355.N1	24-SEP-2003 05:56:39	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	8190	No
99	GOM_NL__2PRFIN20030924_055828_000000512020_00120_08190_0356.N1	24-SEP-2003 05:58:28	Dark	51.000	1014	Mars	0.0000	0.0000	102	8190	Yes
100	GOM_NL__2PRFIN20030924_060257_000000392020_00120_08190_0357.N1	24-SEP-2003 06:02:57	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	8190	No
101	GOM_NL__2PRFIN20030924_060703_000000382020_00120_08190_0358.N1	24-SEP-2003 06:07:03	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	8190	No



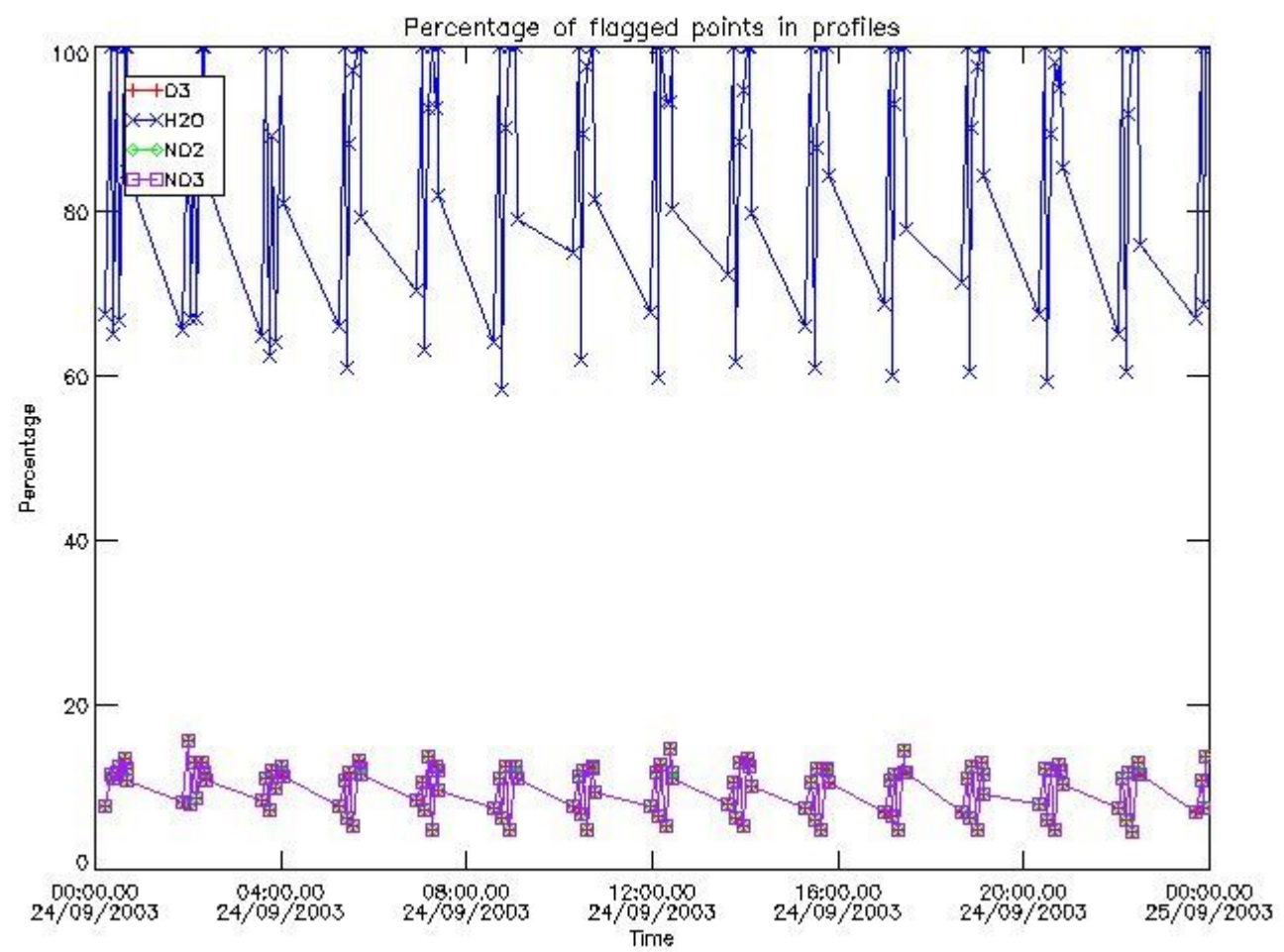






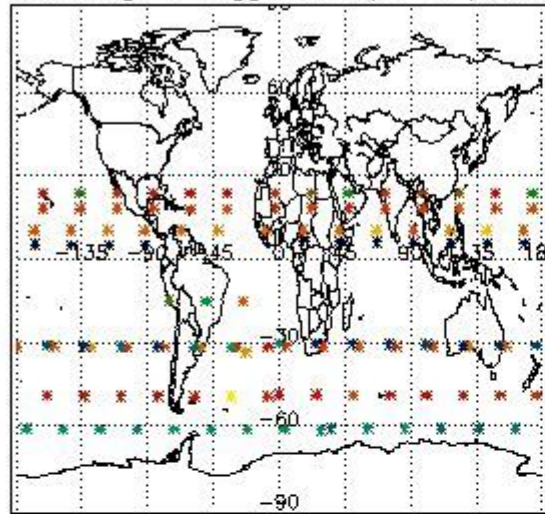




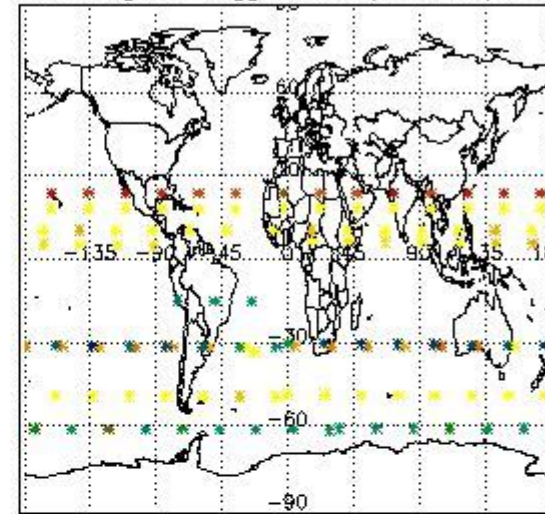


*3.2 Plot quality information per product (world map)*

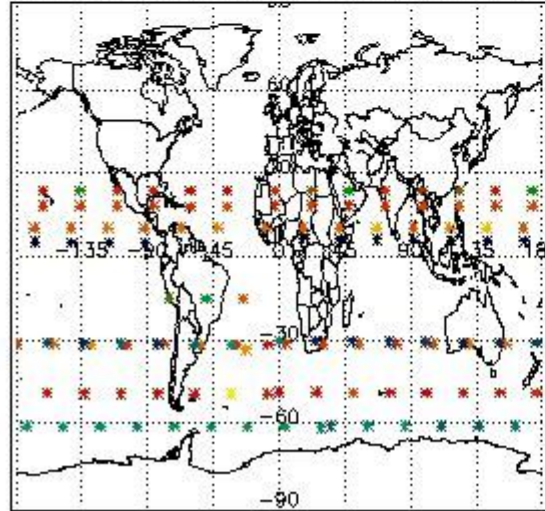
Percentage of flagged data per O3 profile



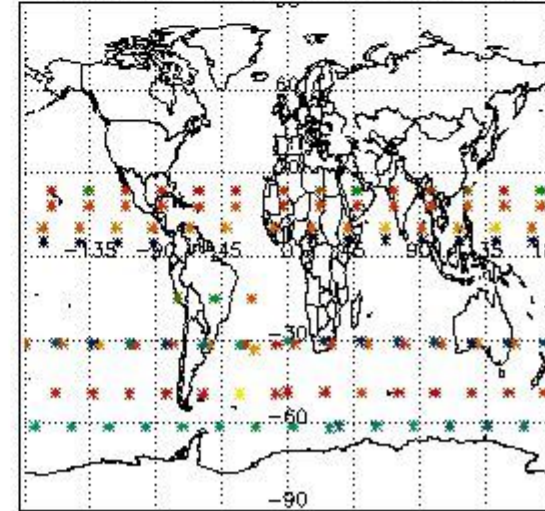
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

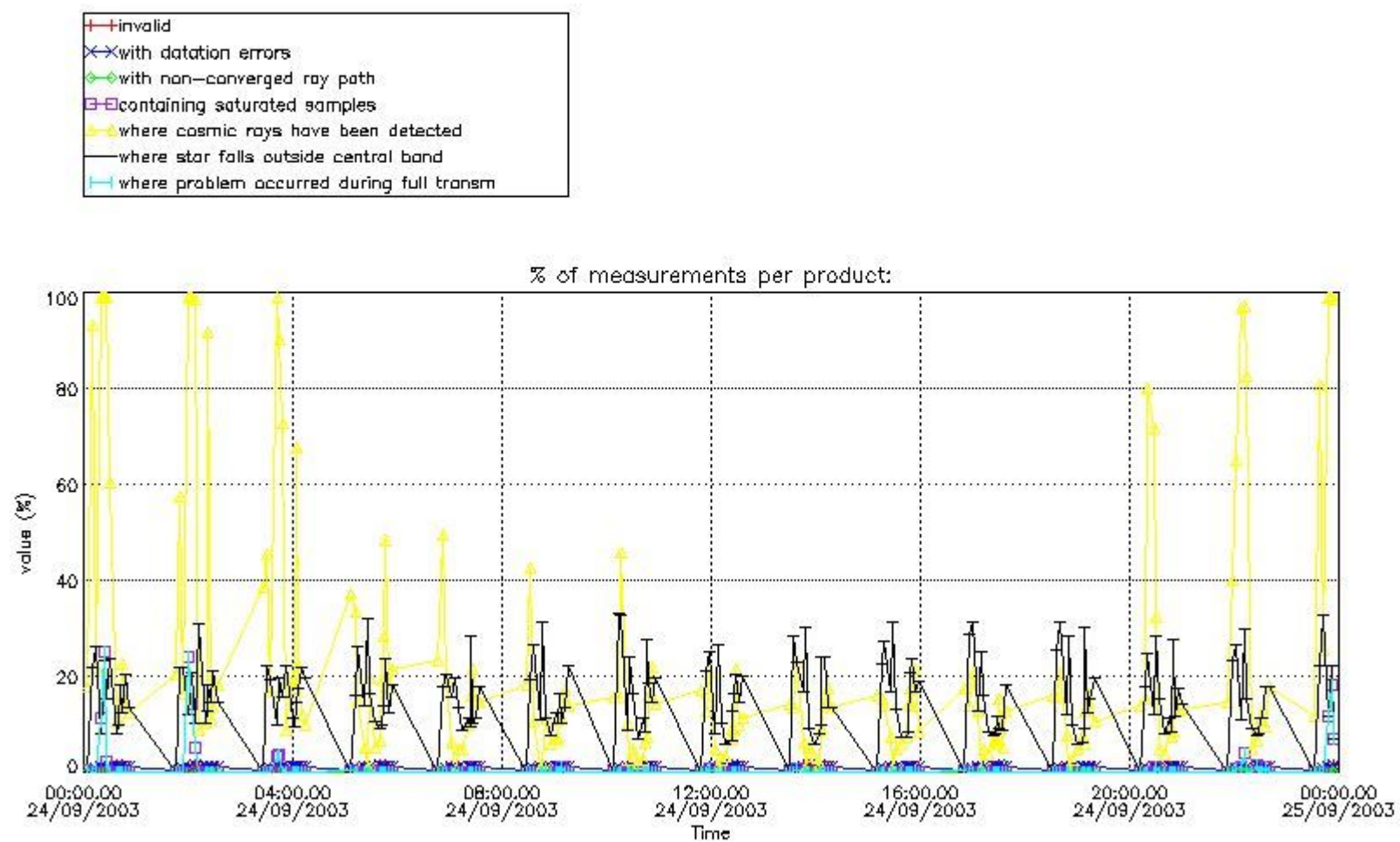


#### 4. Level 1 quality information per product

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.

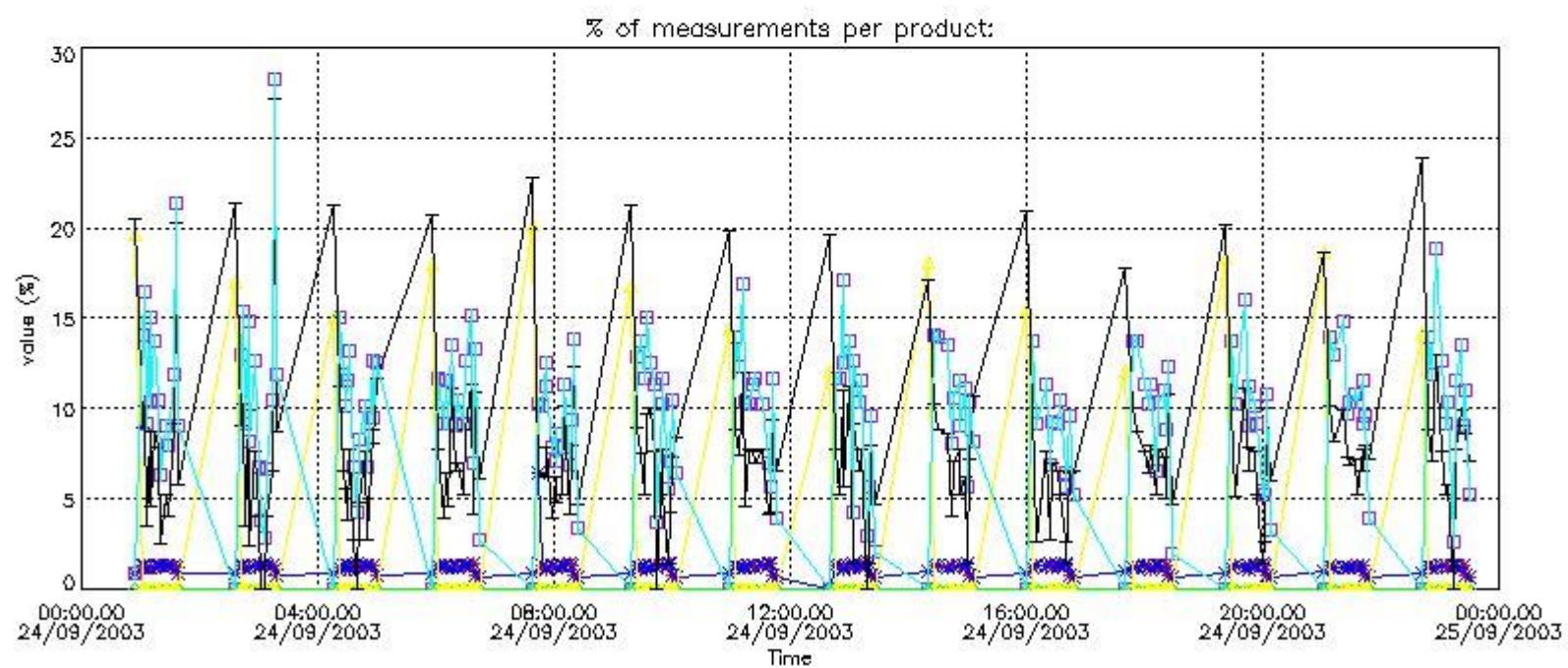
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



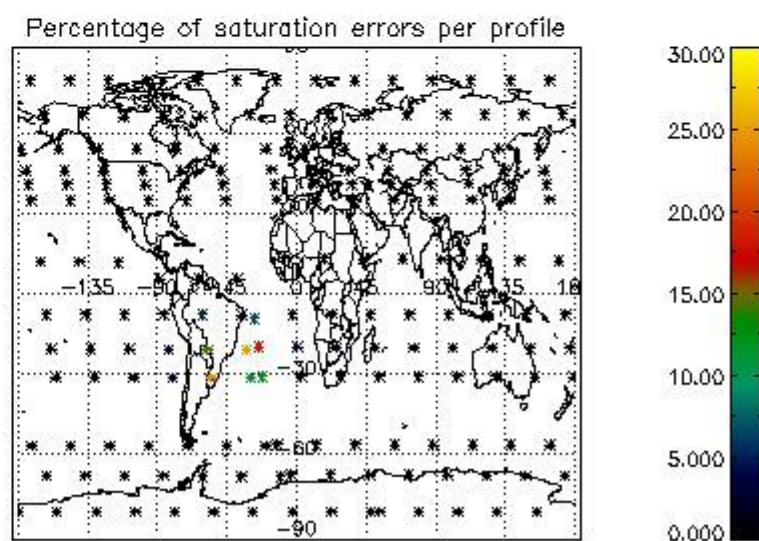
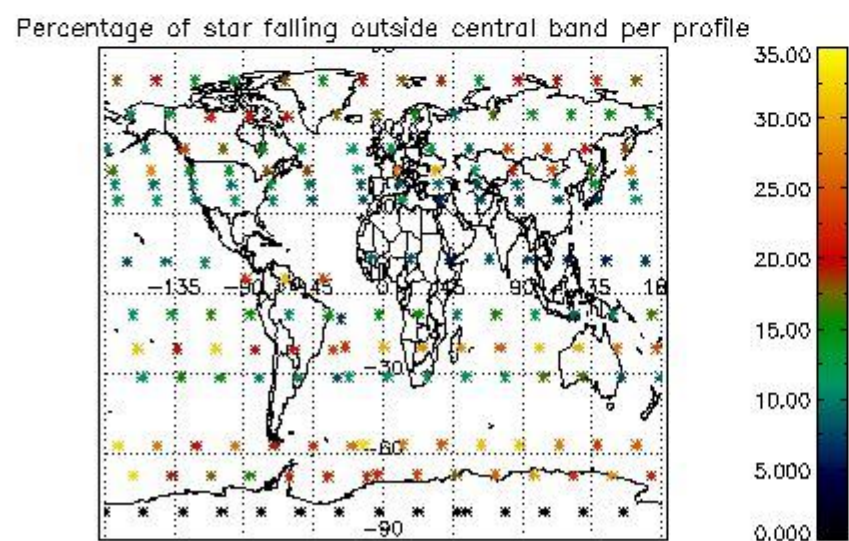
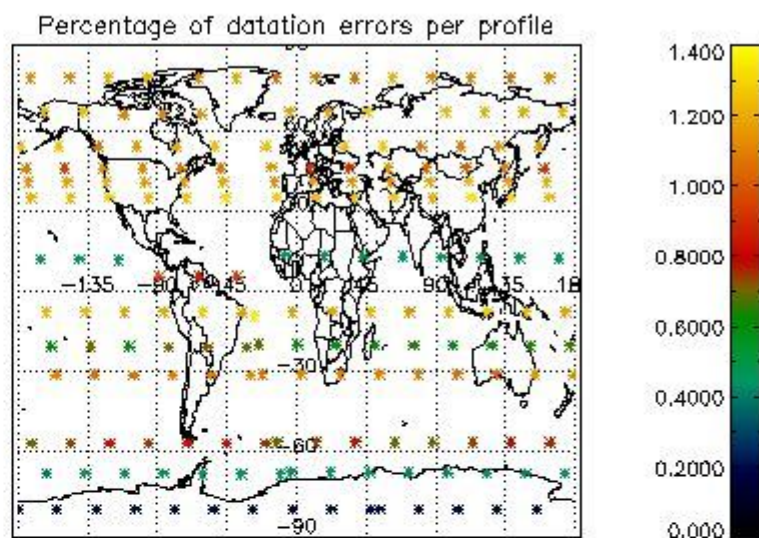
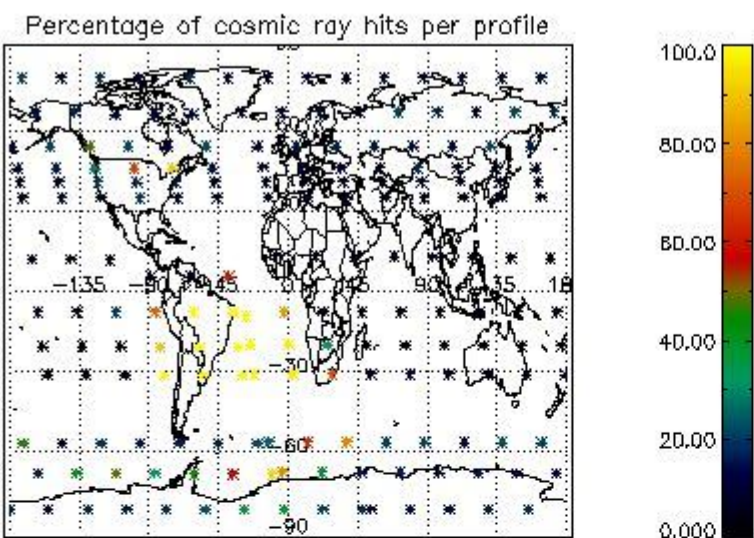
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



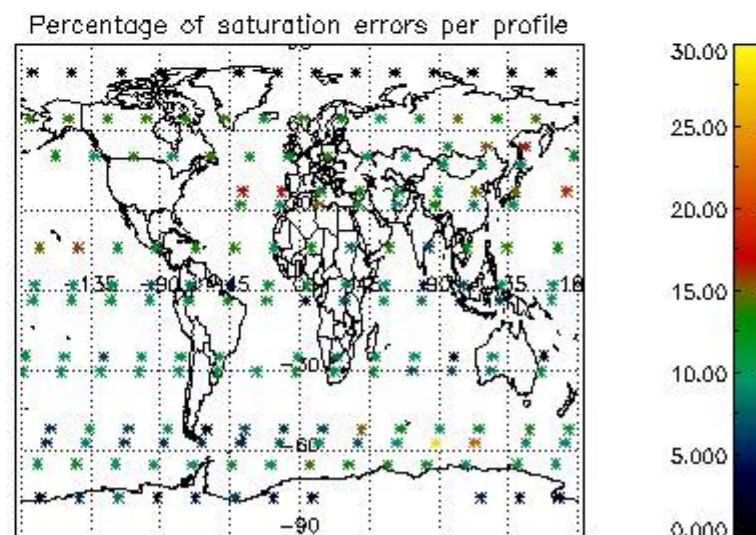
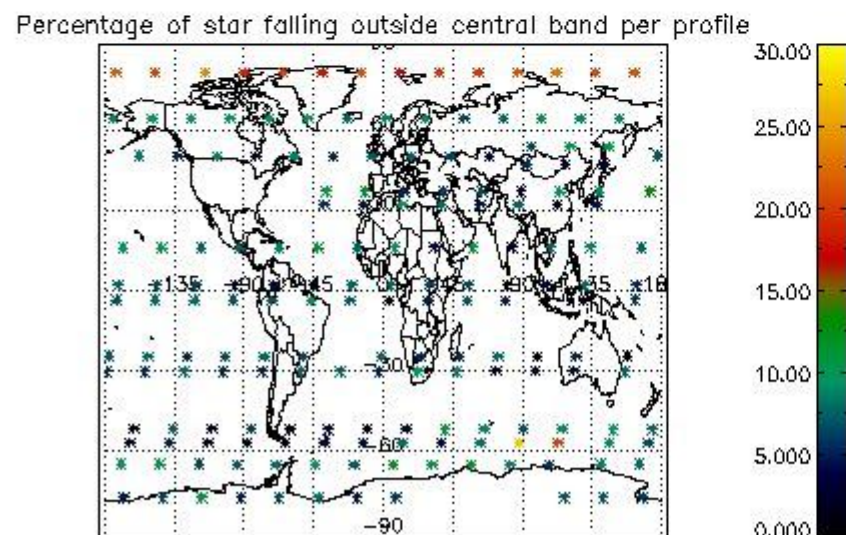
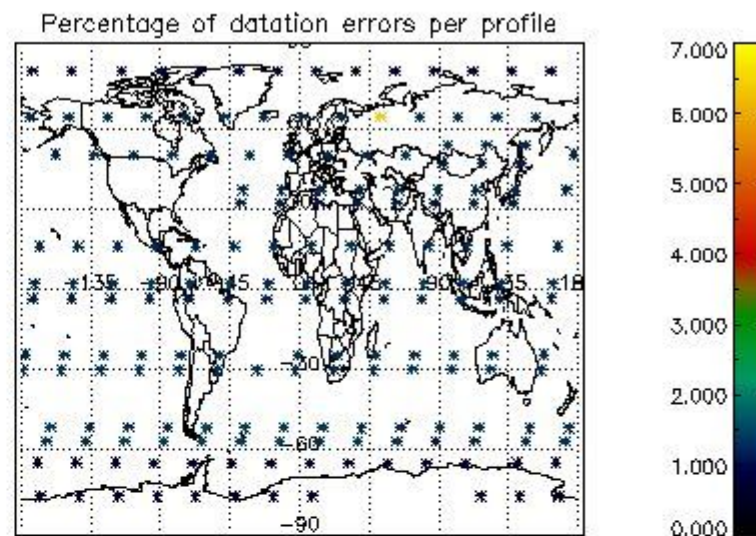
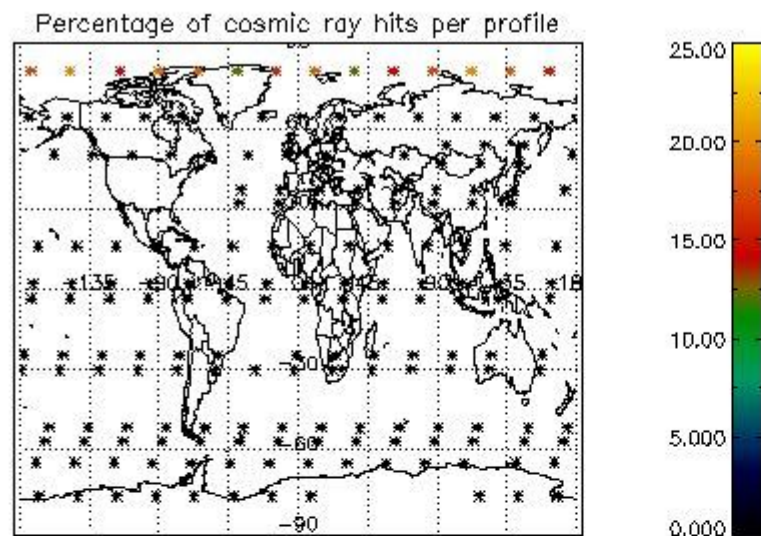


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

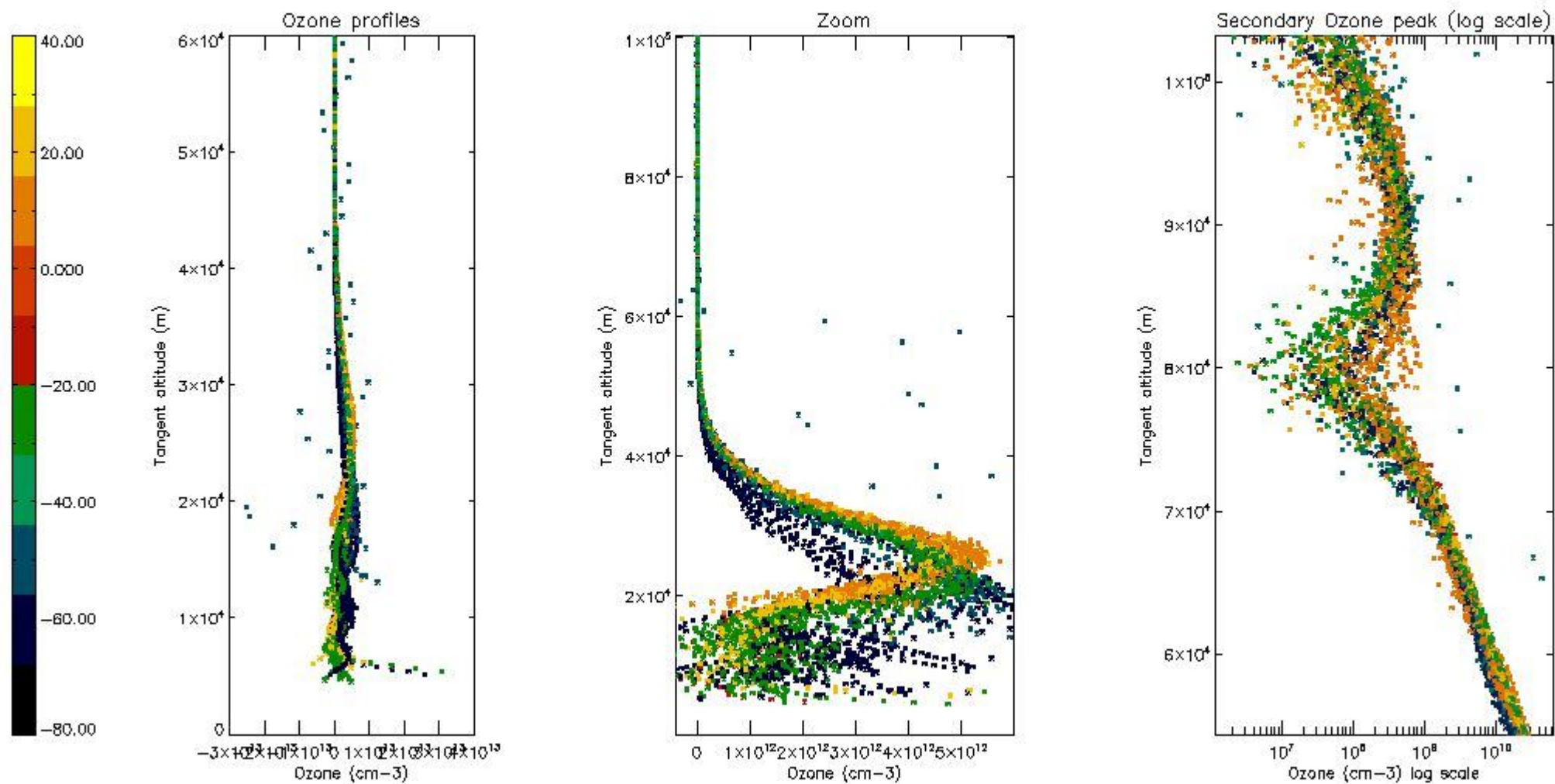
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	19

STD < 10	16
STD < 5	10

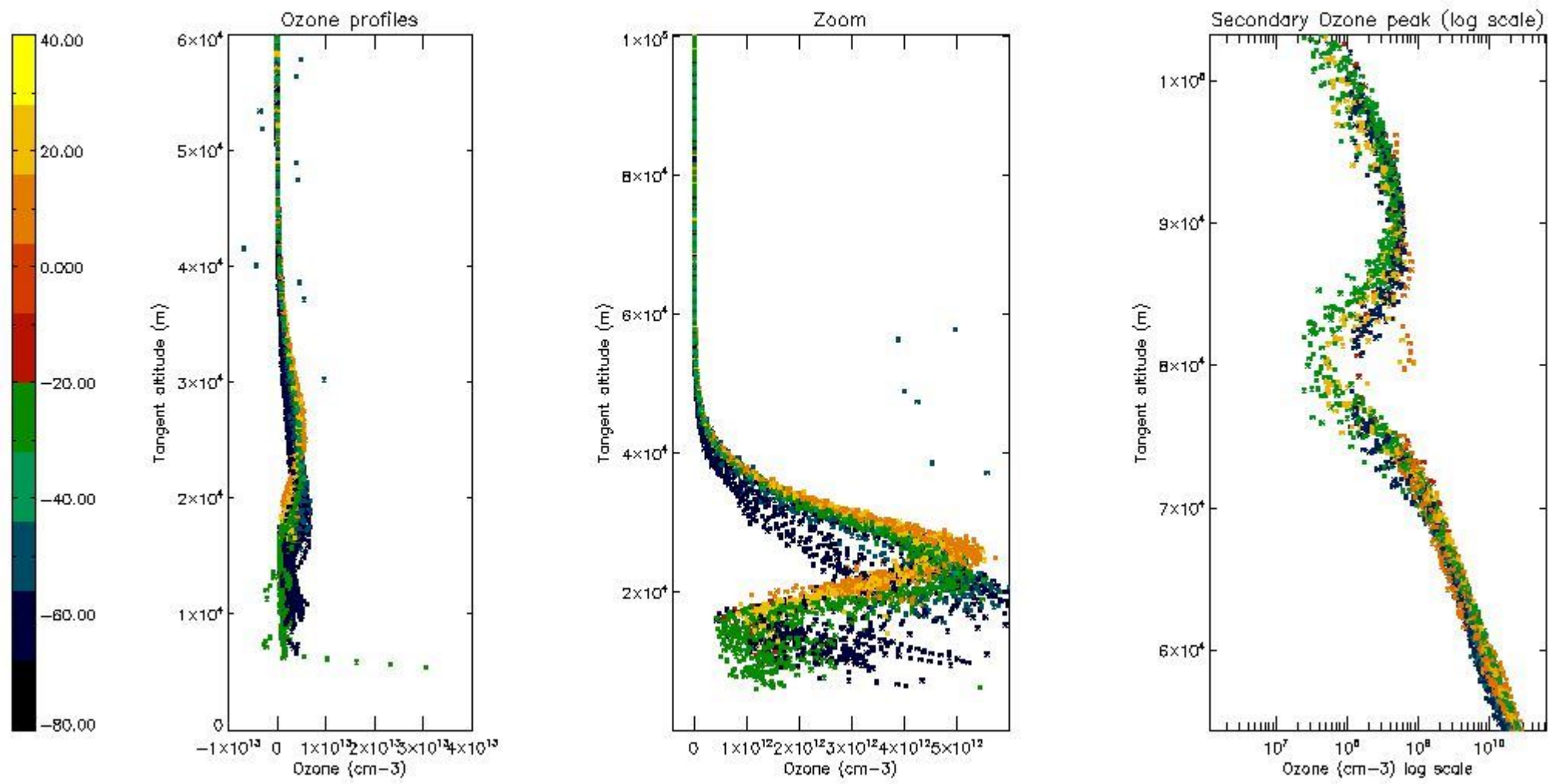
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



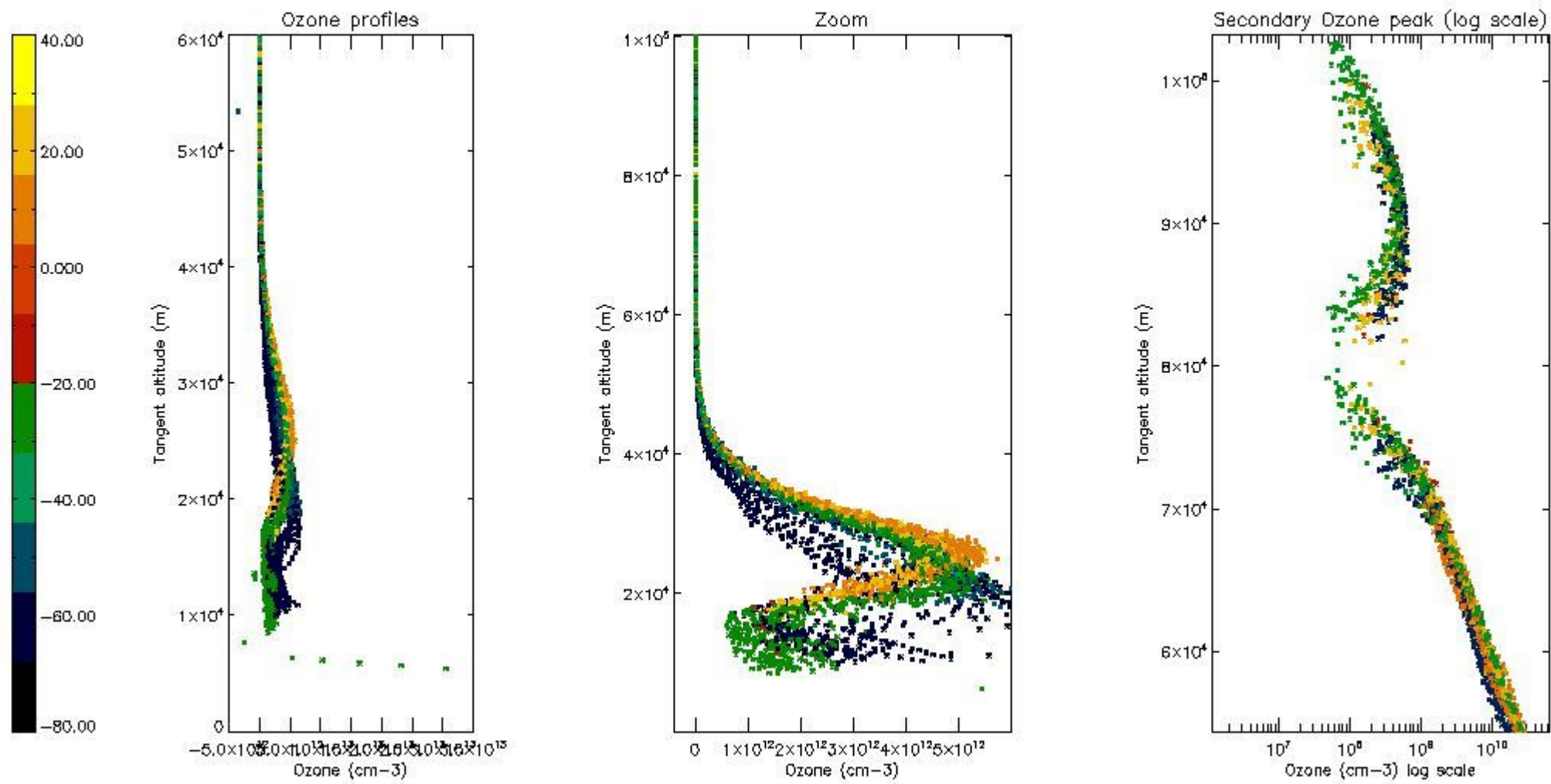
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



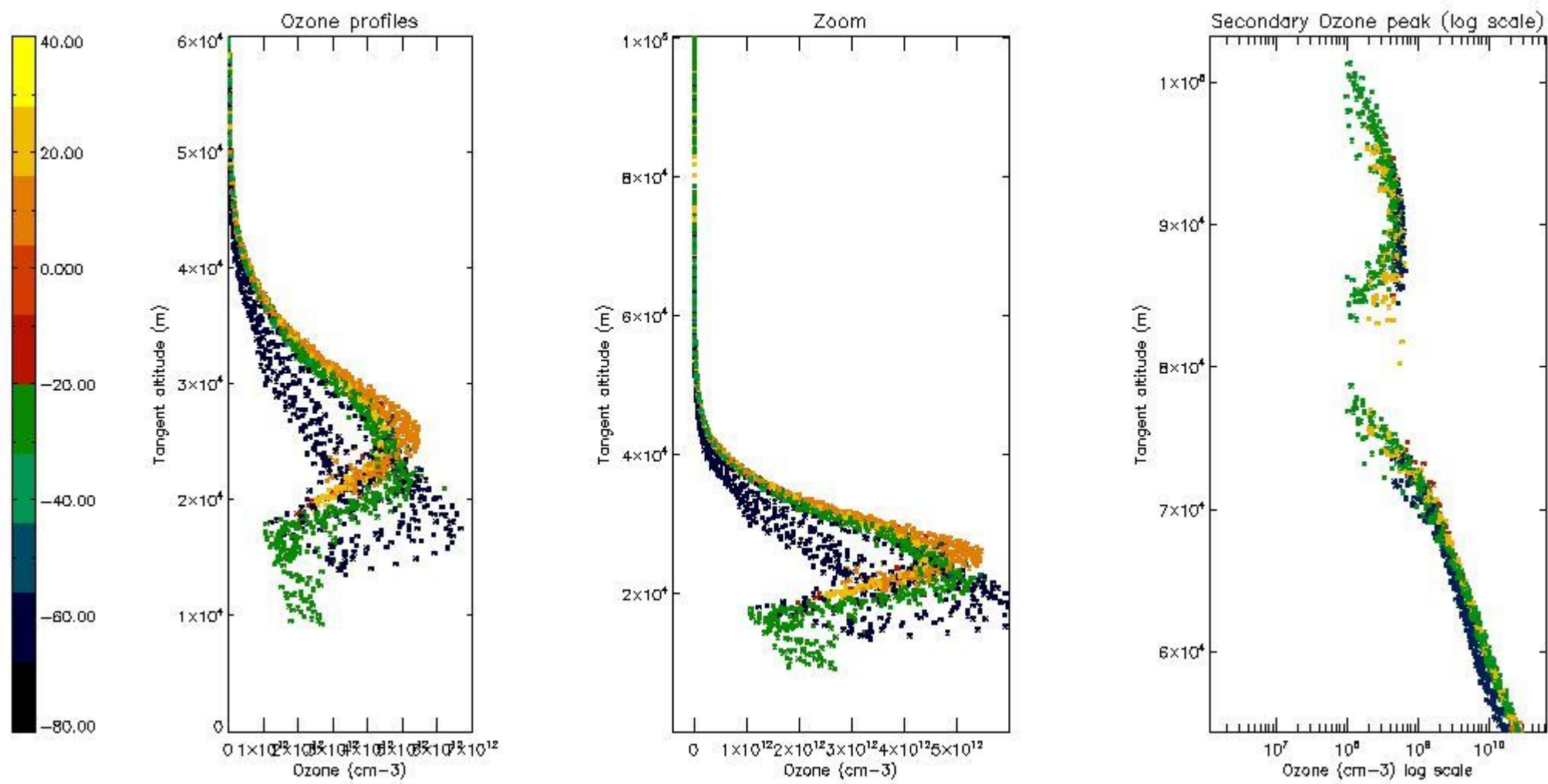
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



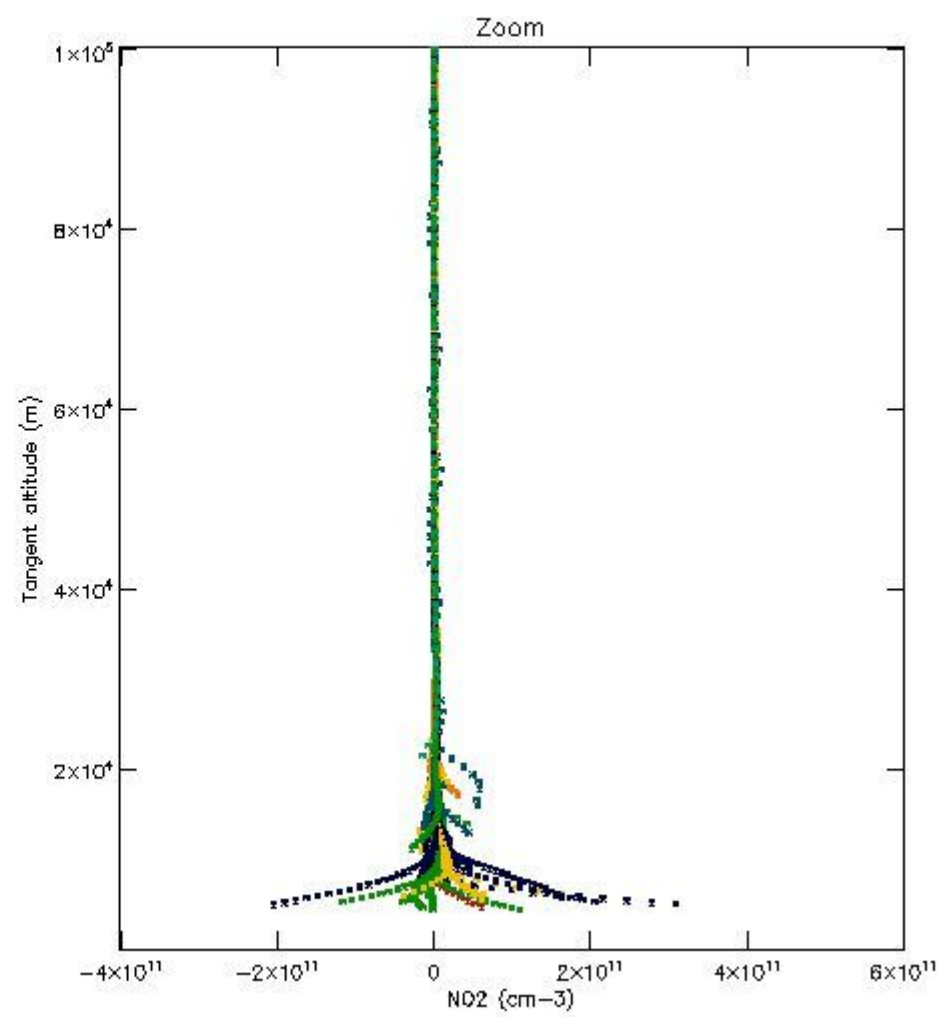
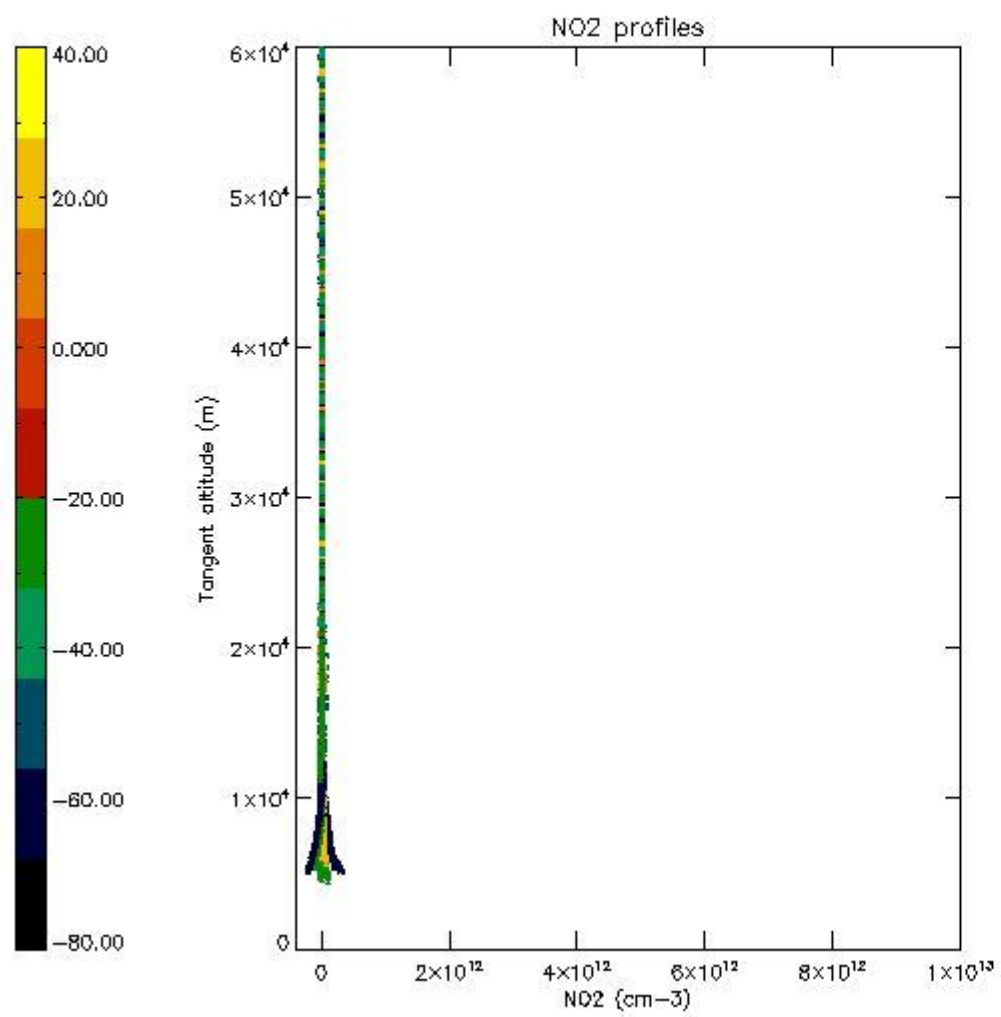
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



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

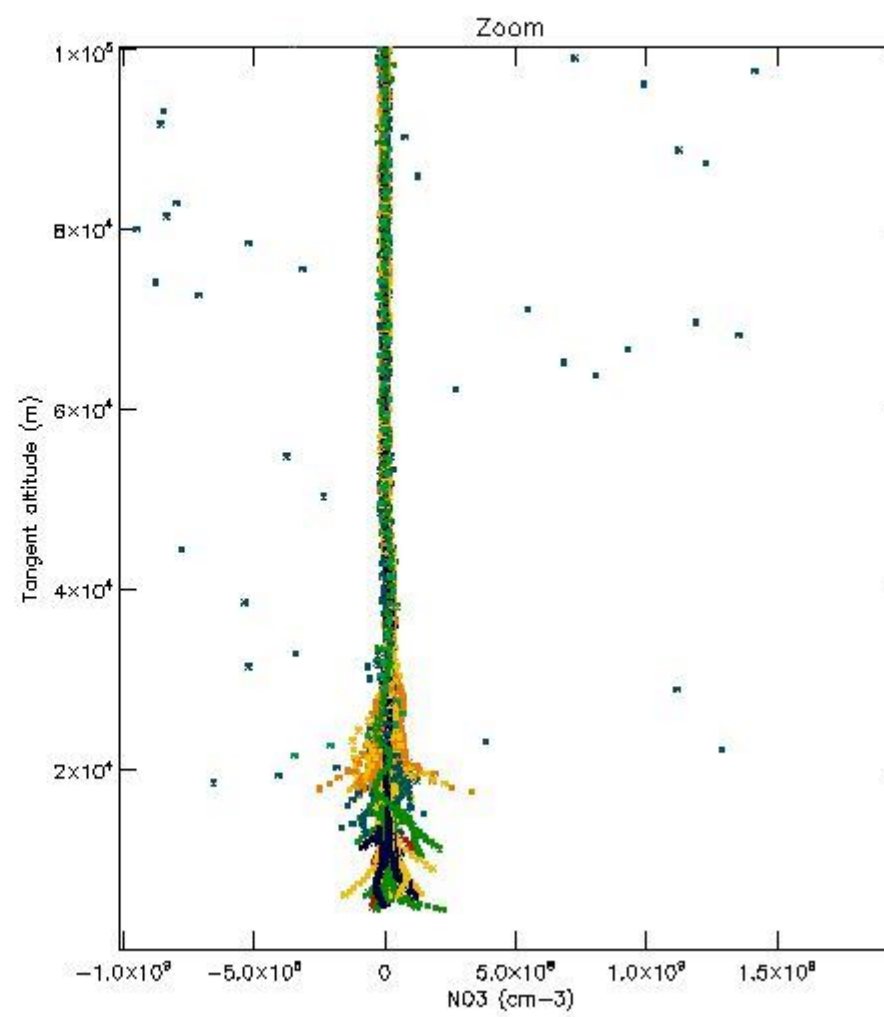
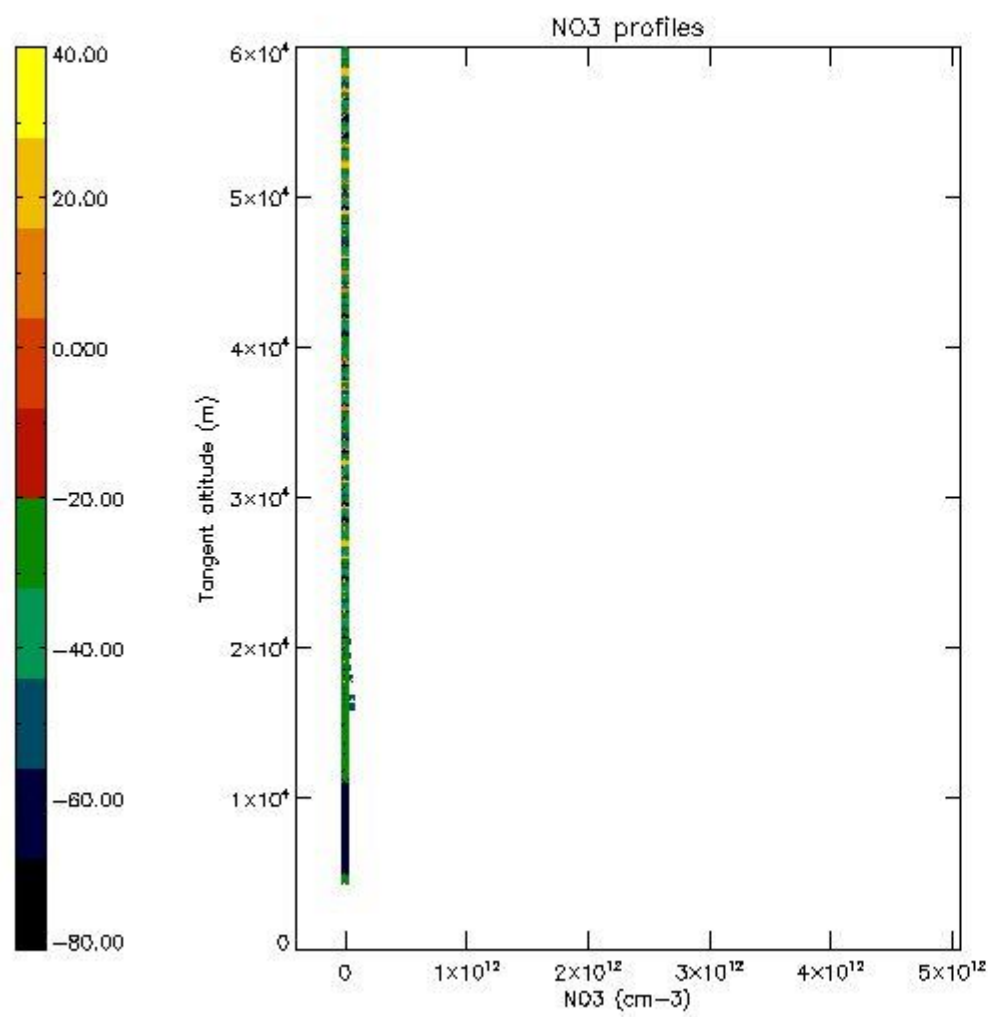
The colorbar represents the latitude.



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

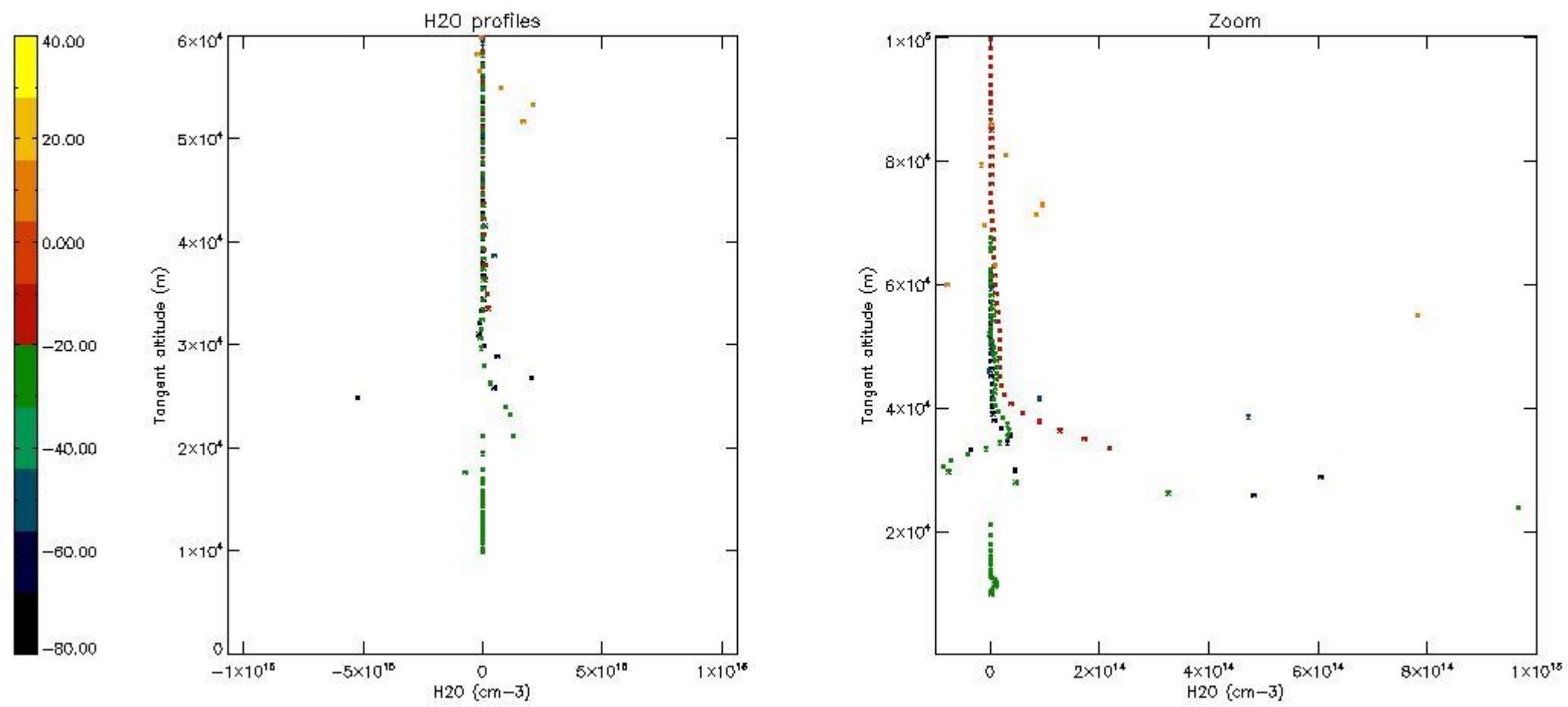
The colorbar represents the latitude.





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)

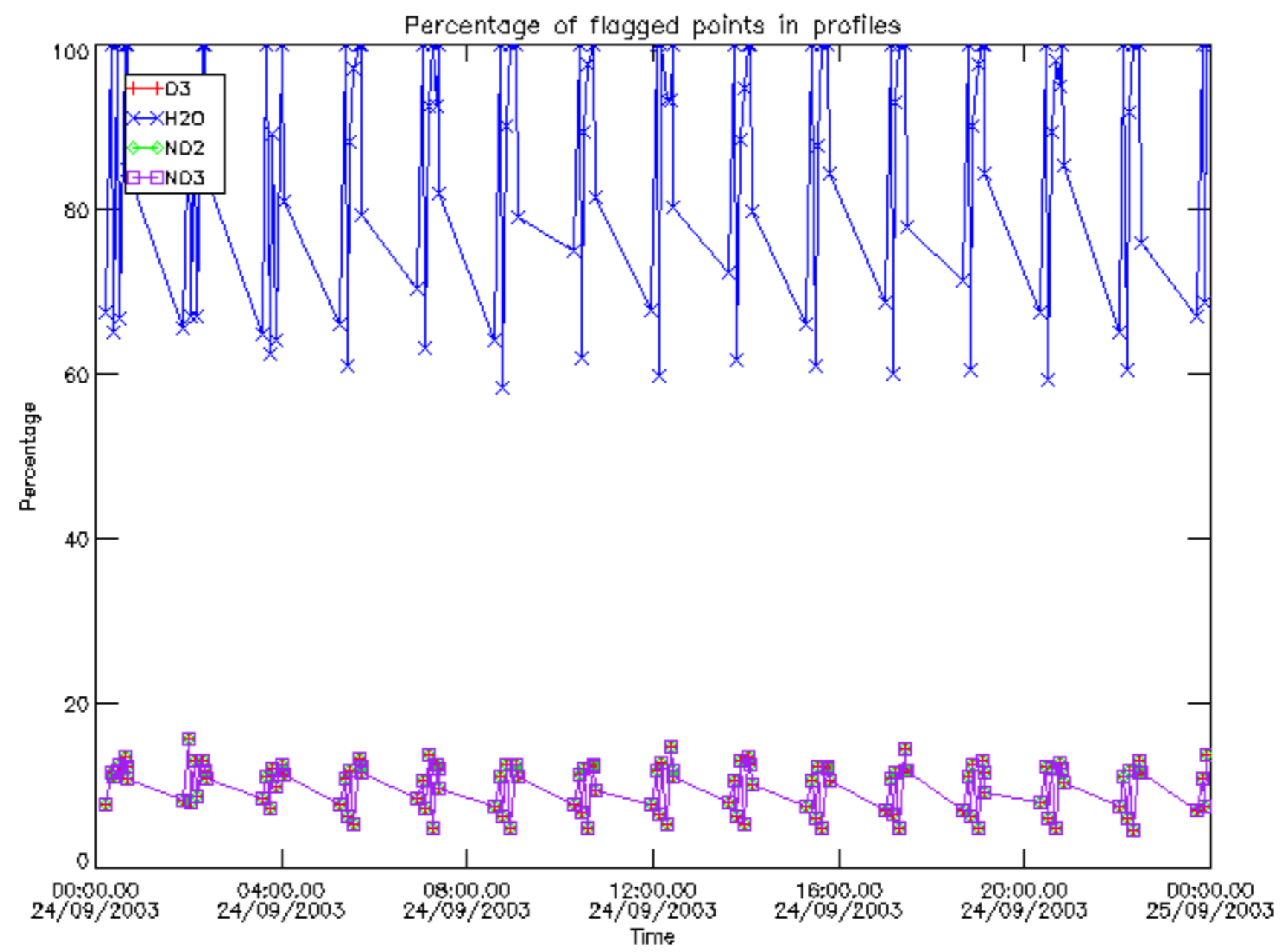
The colorbar represents the latitude.



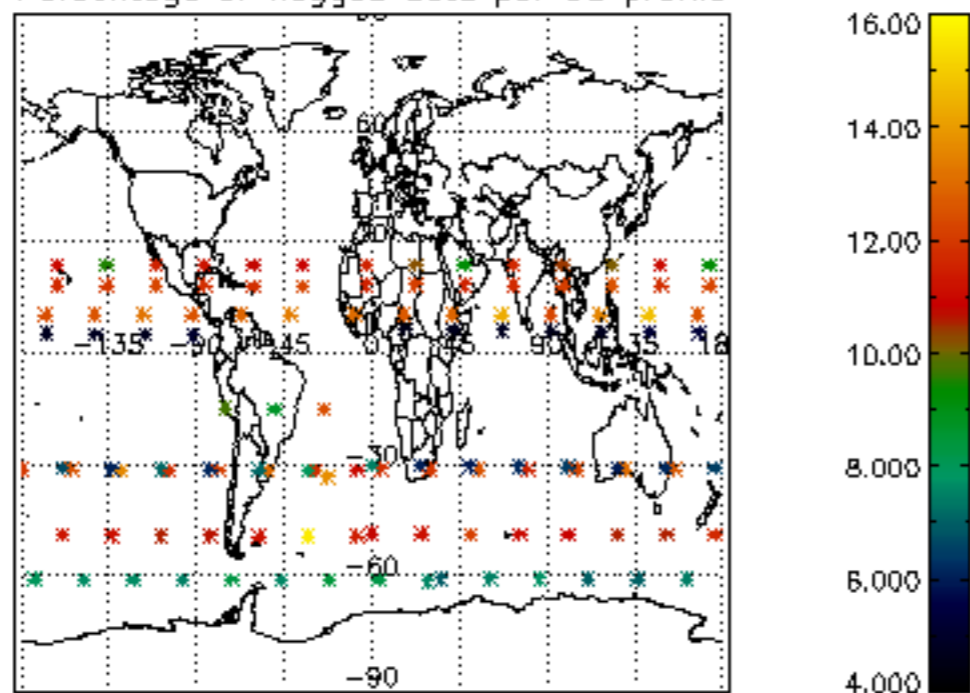
## 6. Auxiliary Data Files used for the production reported in section 2

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.

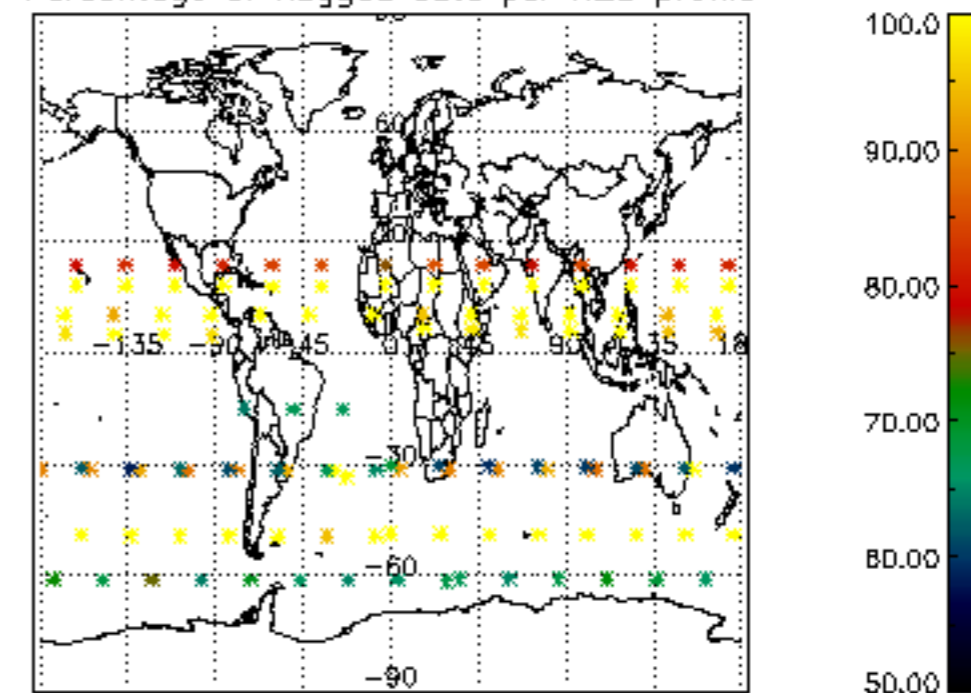
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-SEP-2003 00:04:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-SEP-2003 00:04:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-SEP-2003 00:04:27



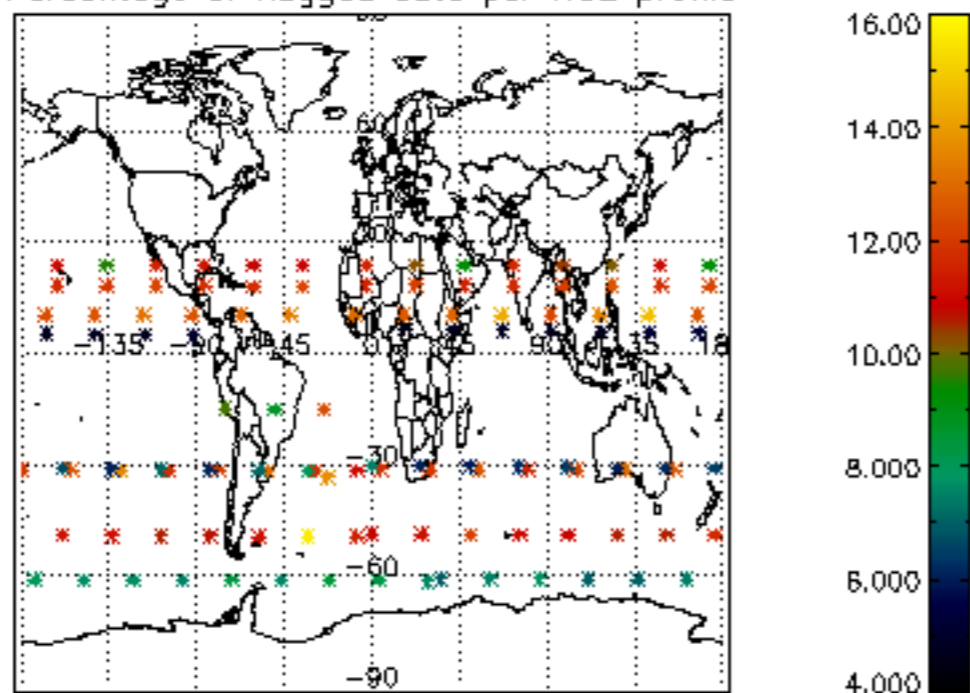
Percentage of flagged data per D3 profile



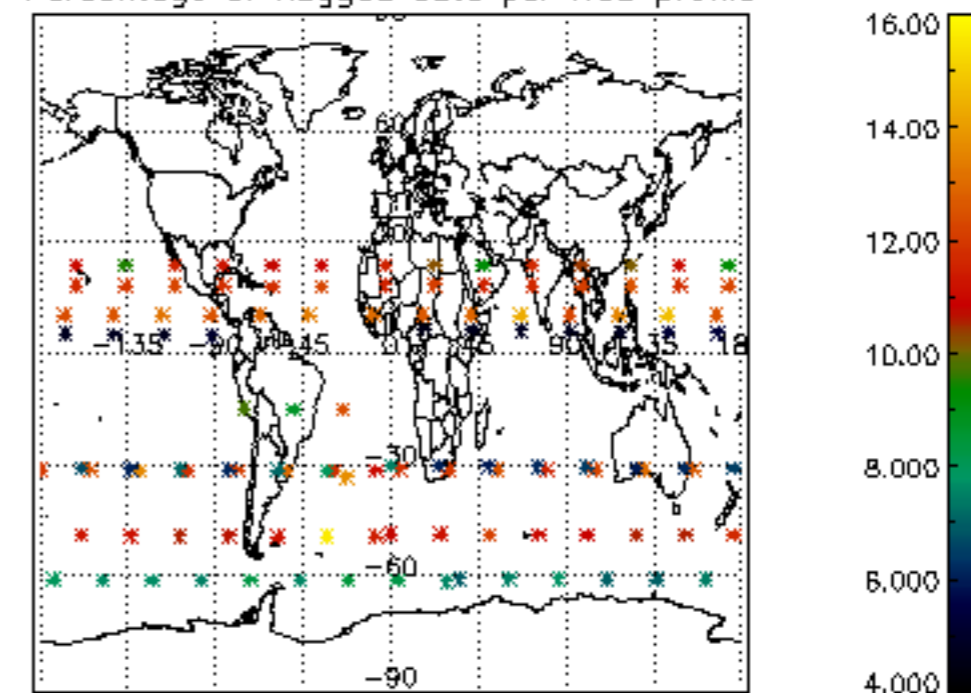
Percentage of flagged data per H2O profile

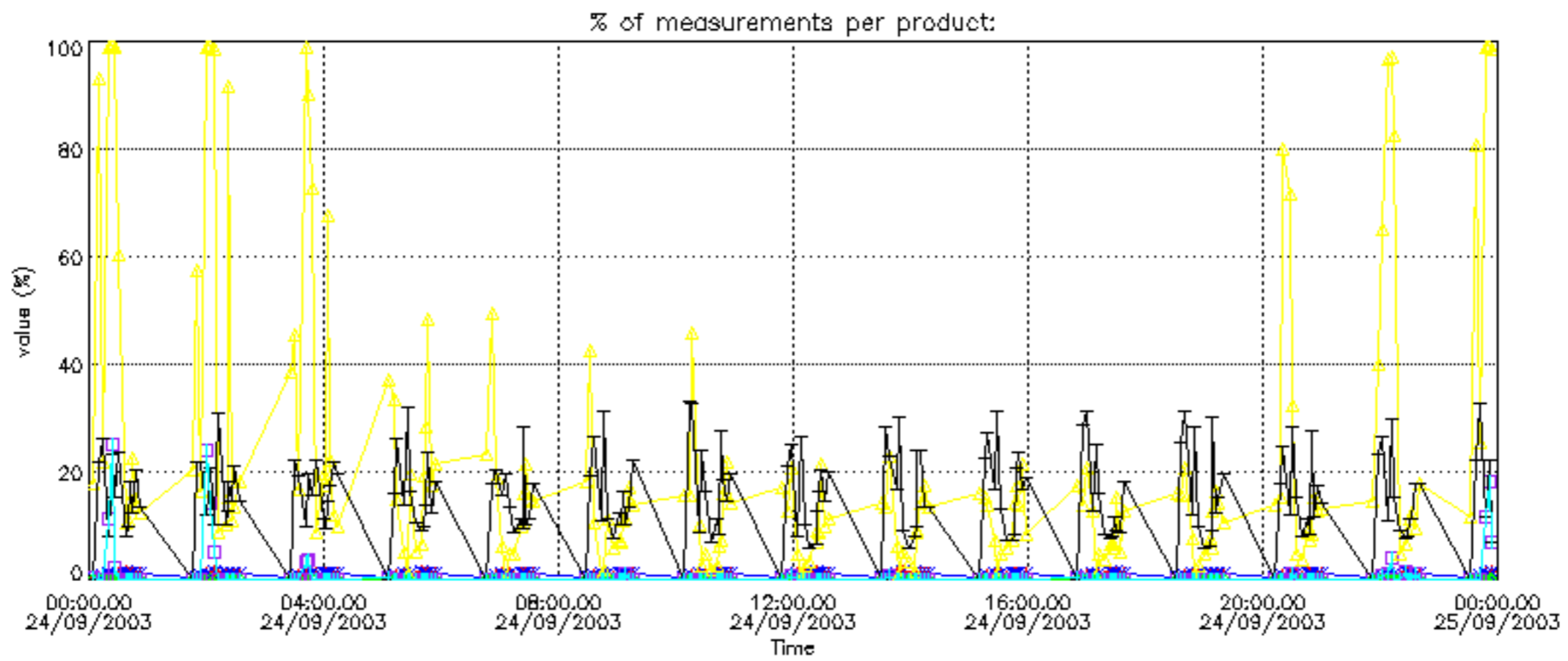


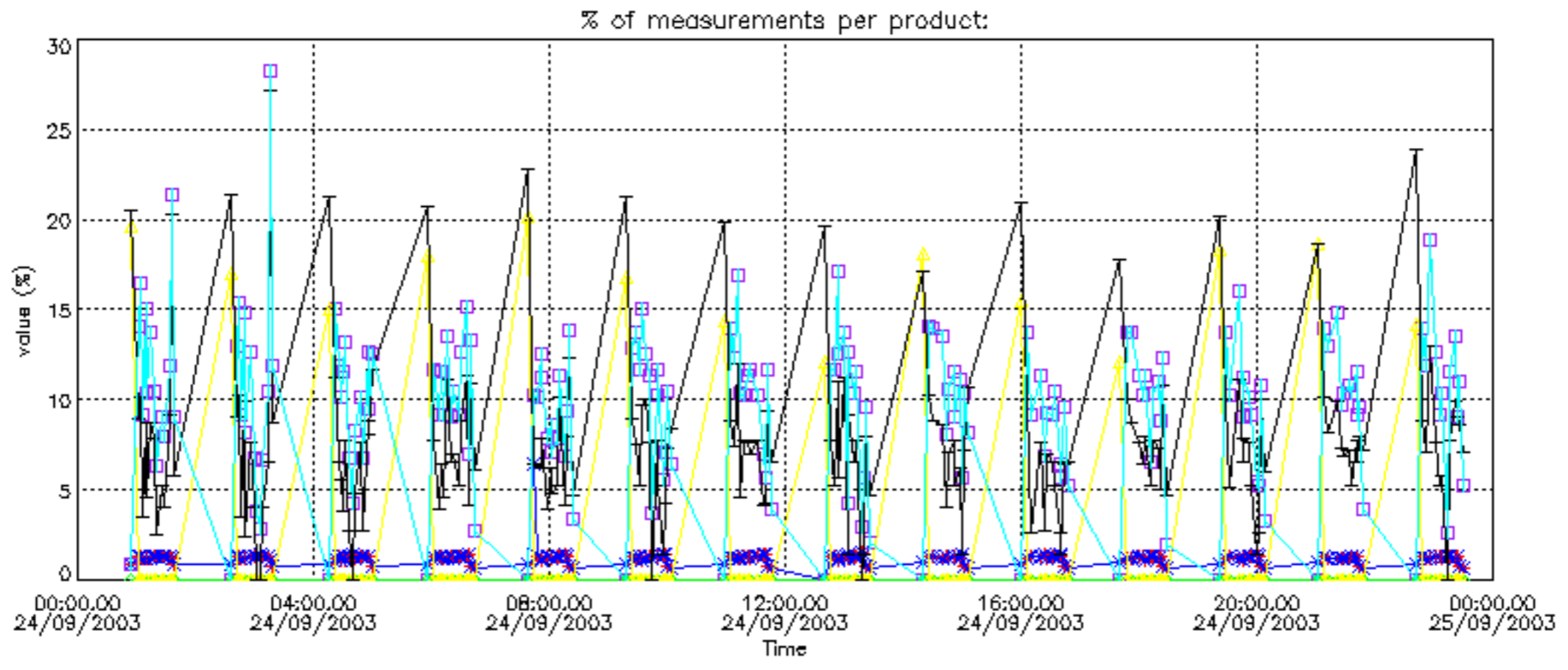
Percentage of flagged data per NO2 profile



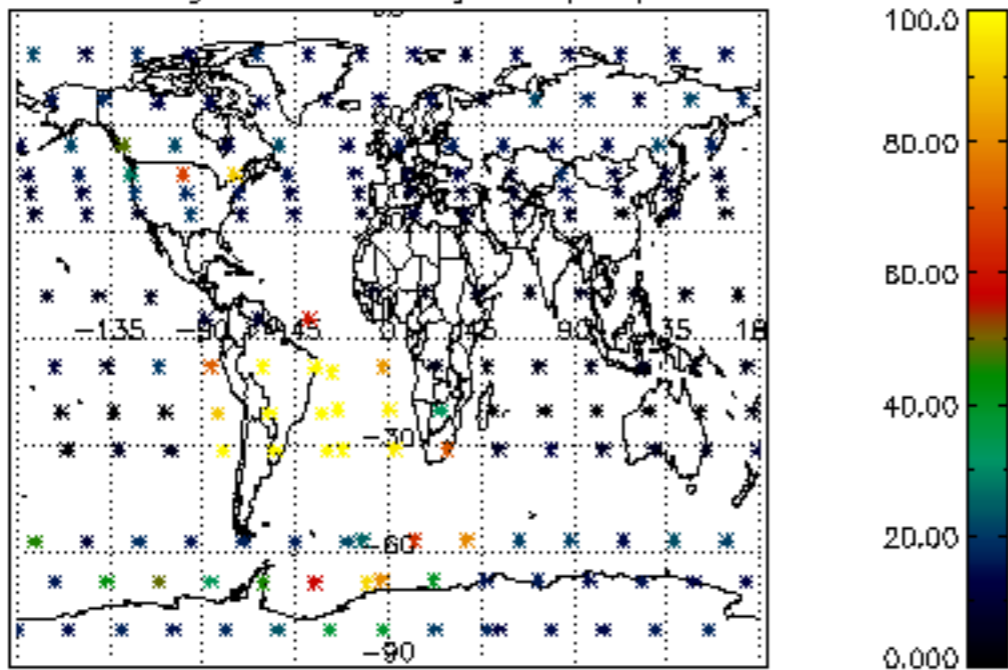
Percentage of flagged data per NO3 profile



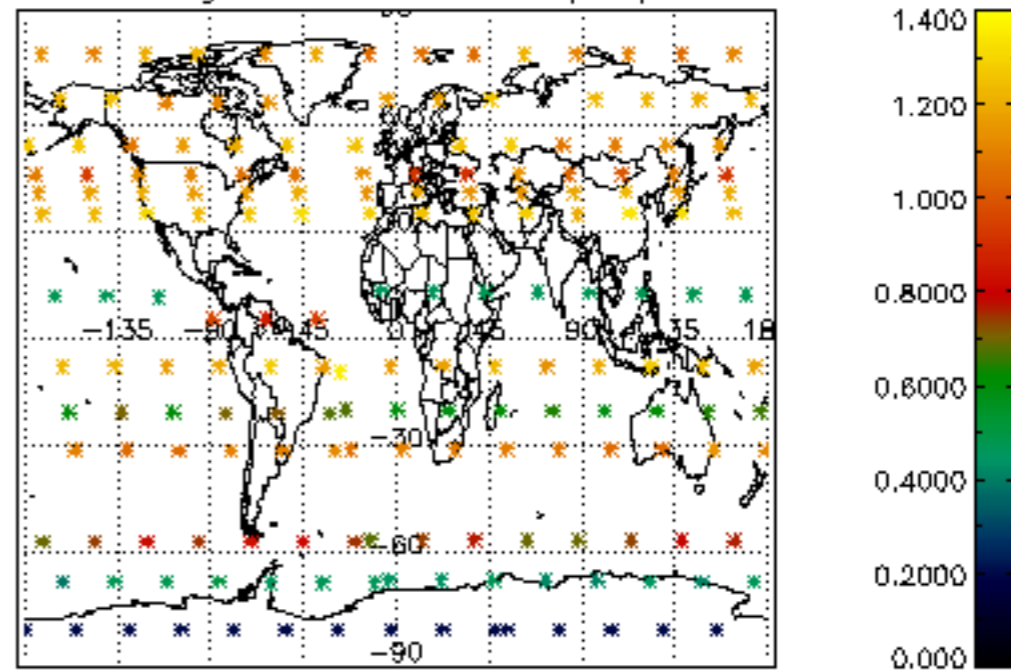




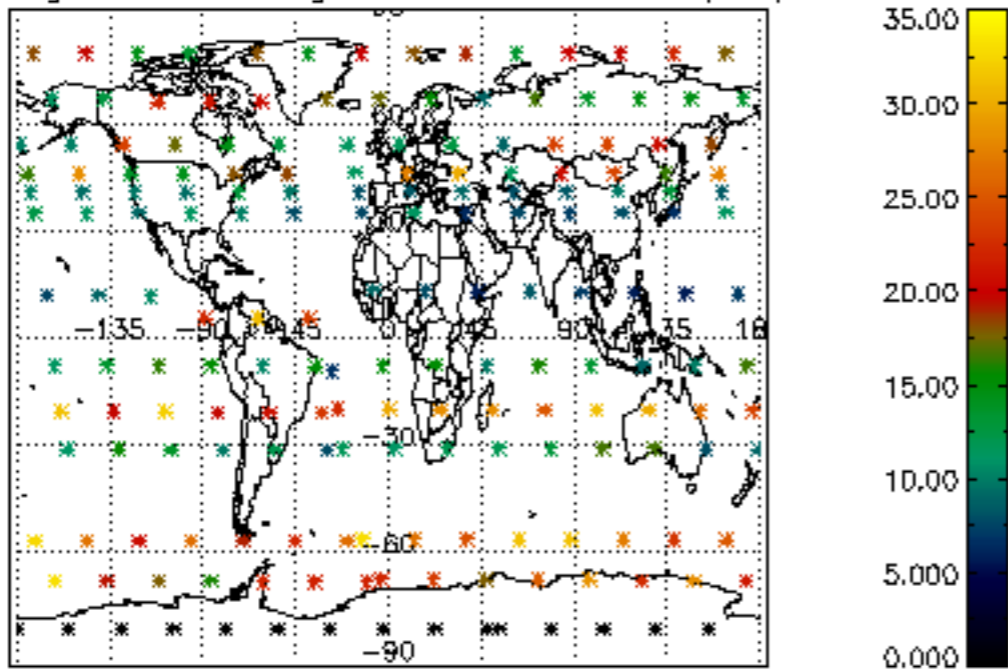
Percentage of cosmic ray hits per profile



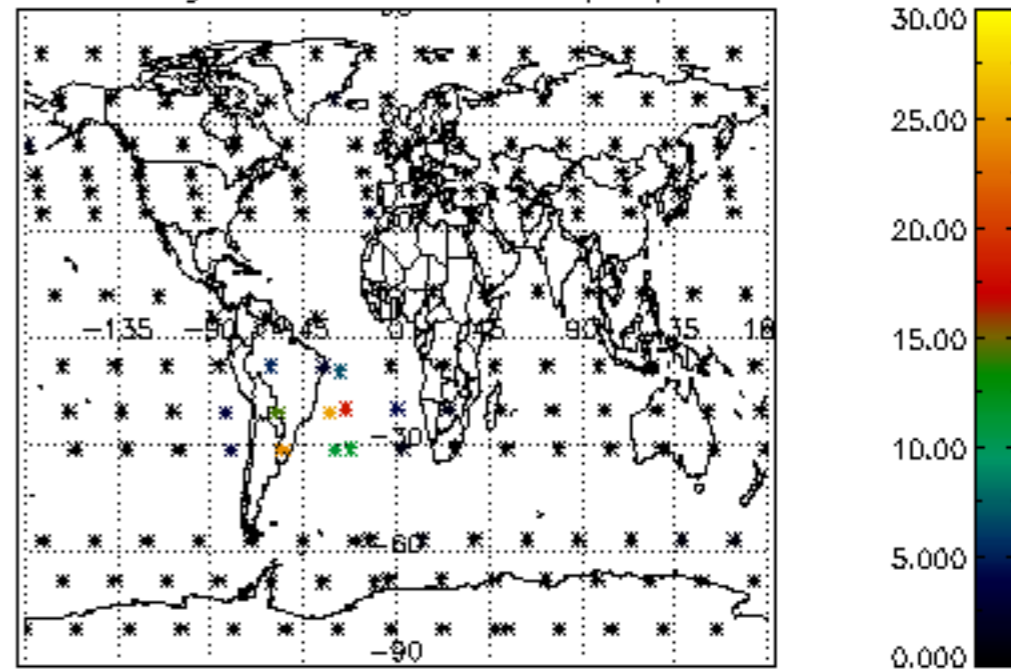
Percentage of datation errors per profile



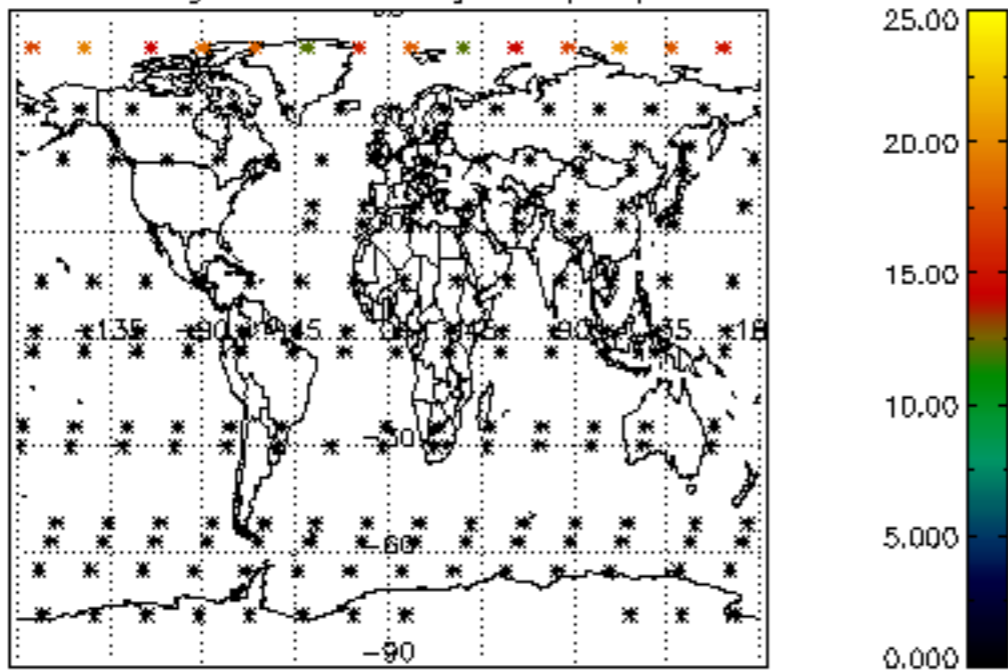
Percentage of star falling outside central band per profile



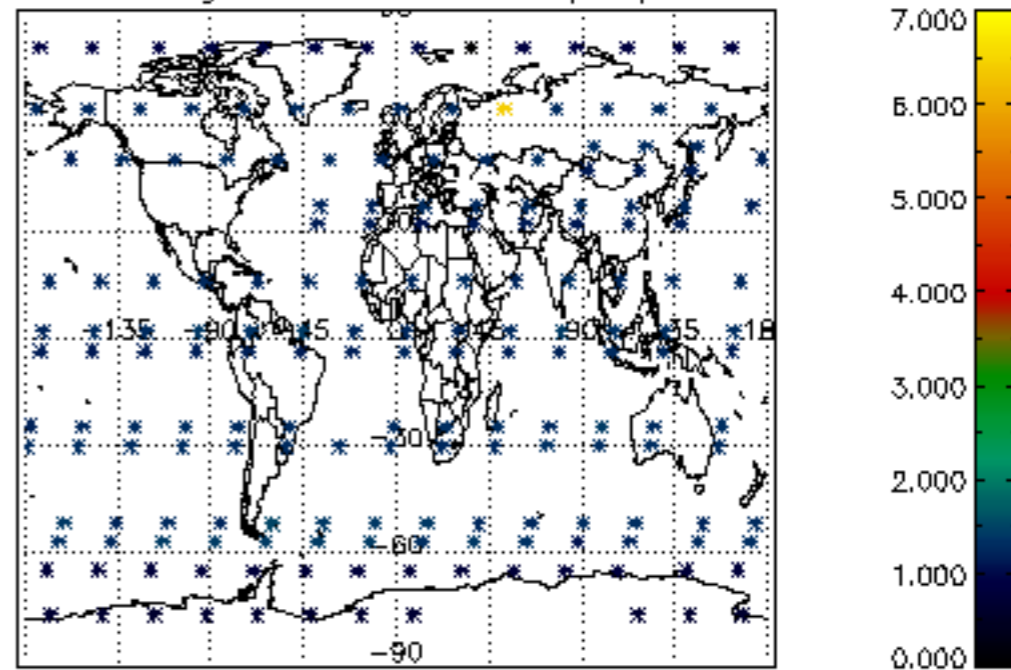
Percentage of saturation errors per profile



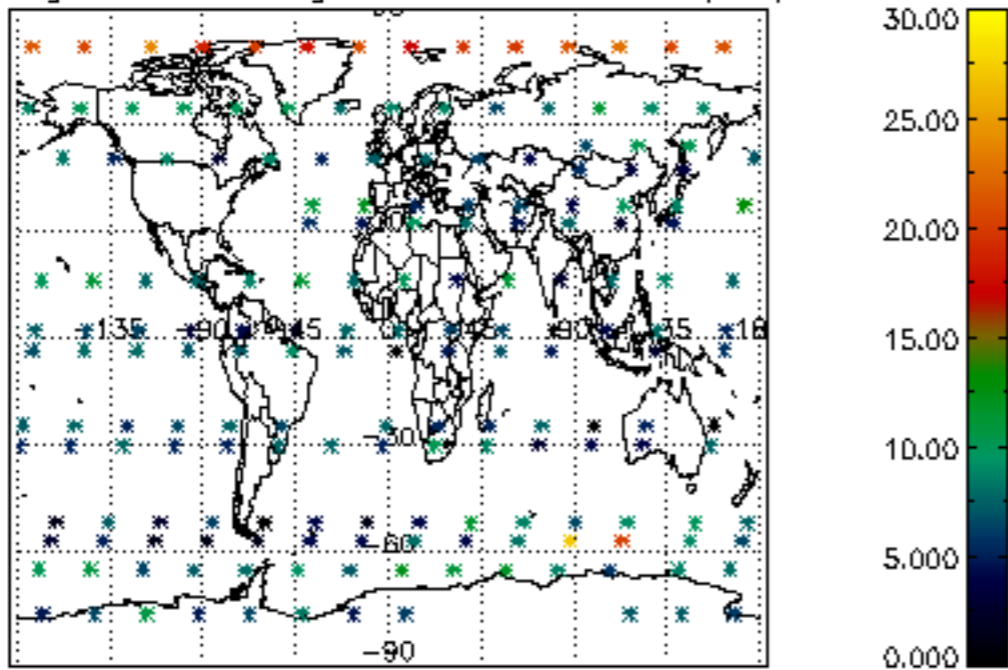
Percentage of cosmic ray hits per profile



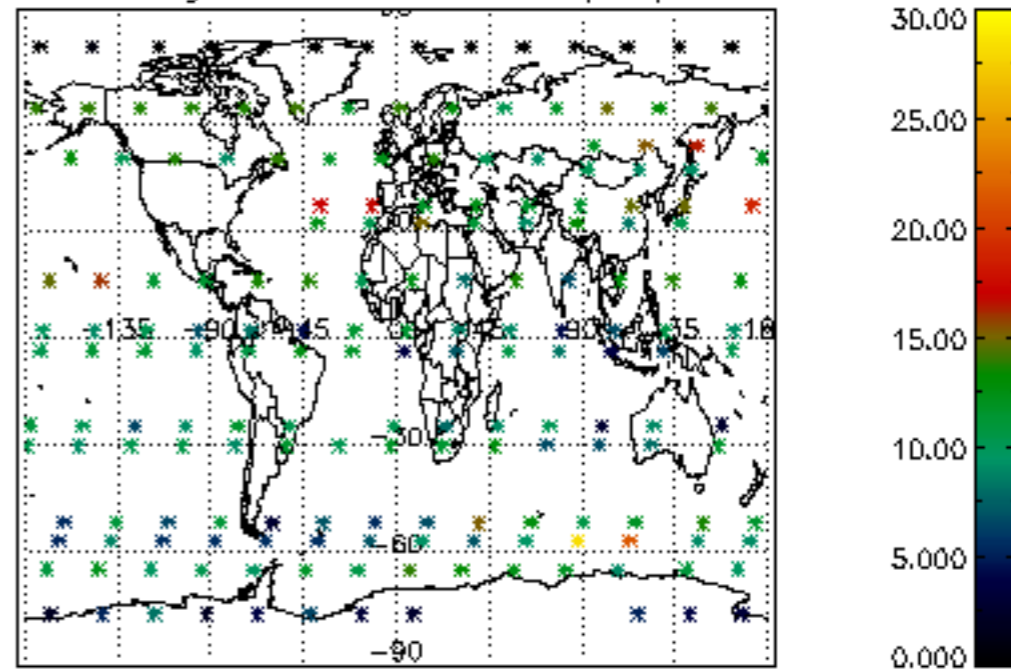
Percentage of datation errors per profile



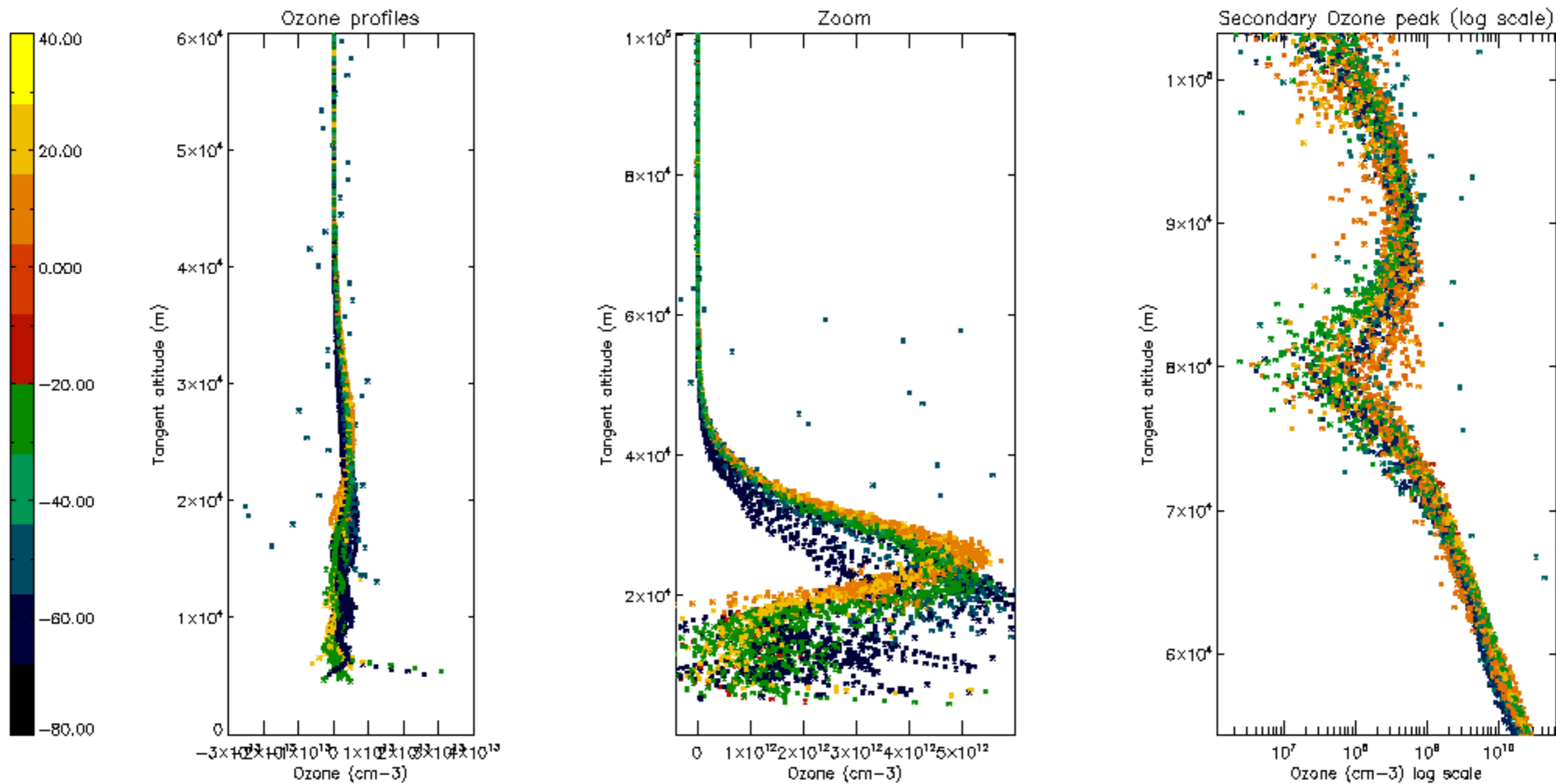
Percentage of star falling outside central band per profile

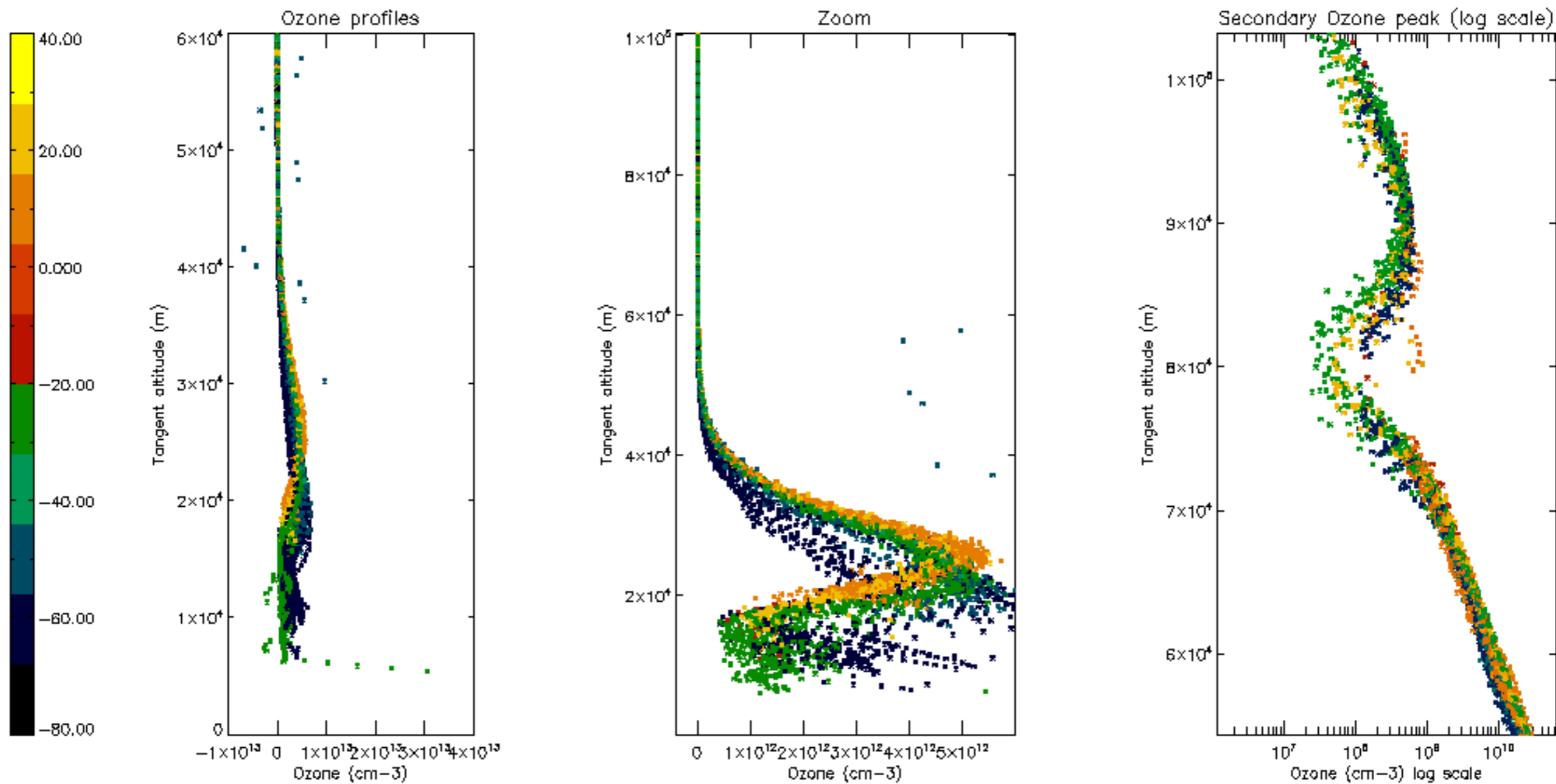


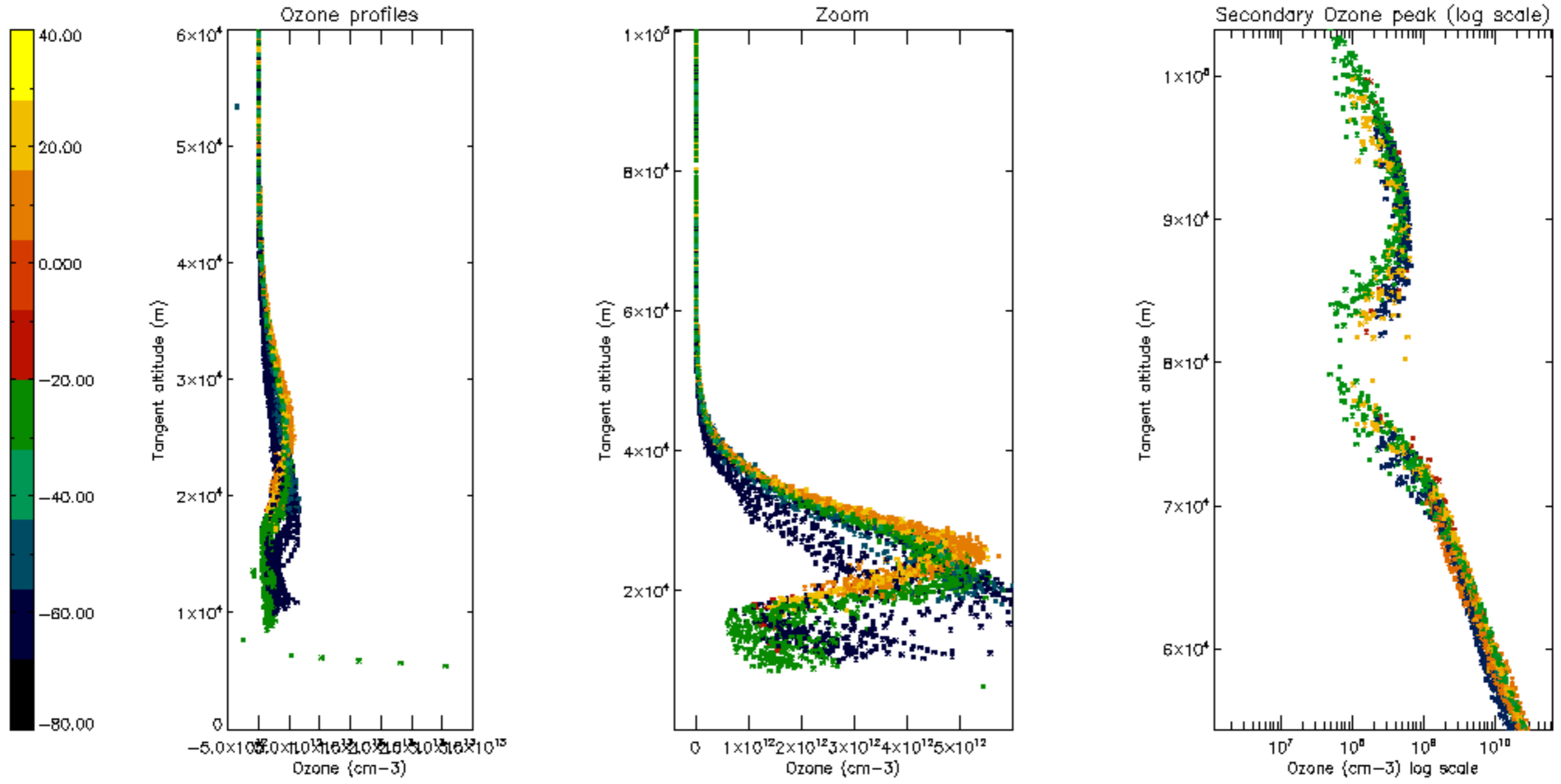
Percentage of saturation errors per profile

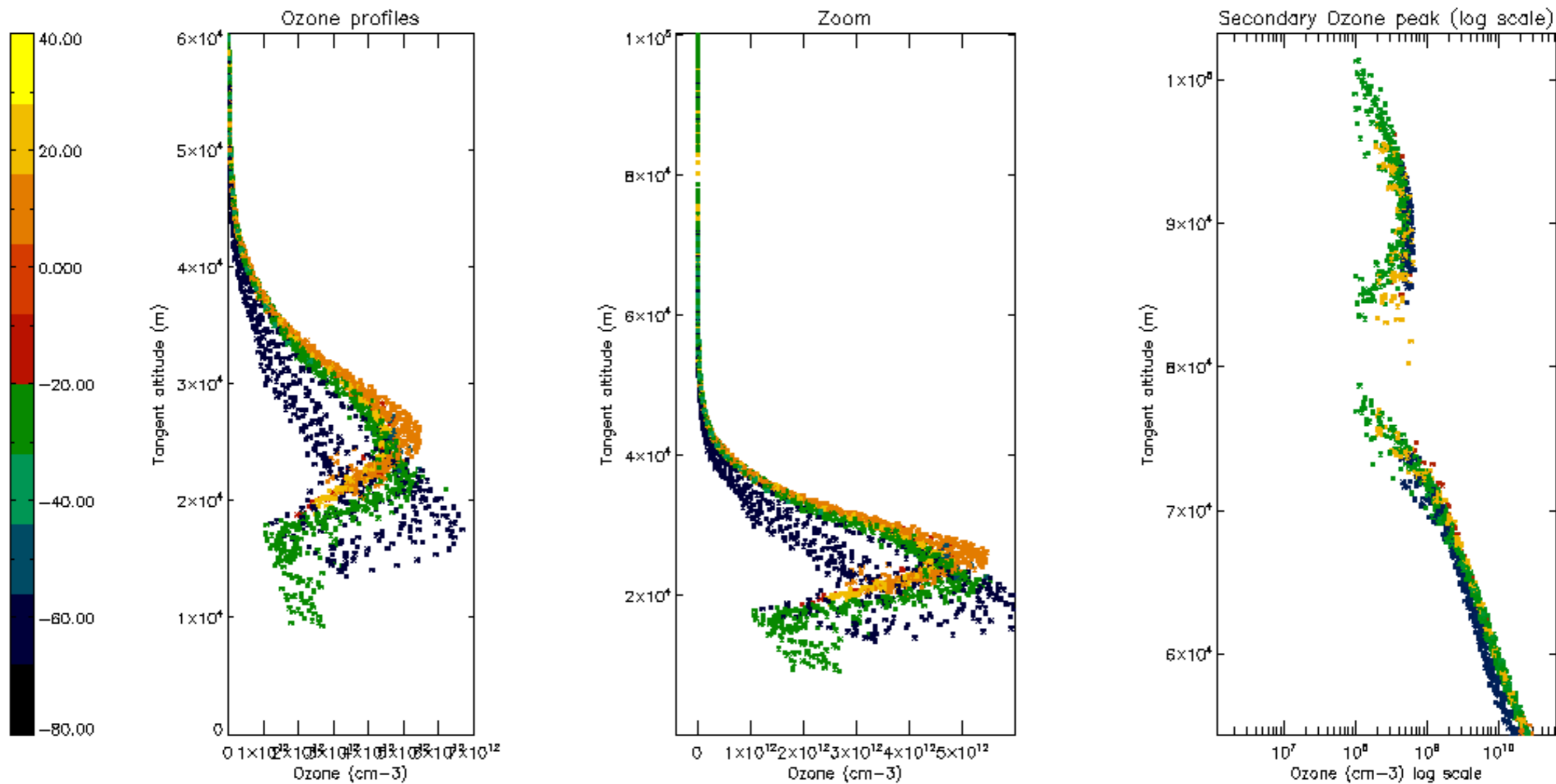


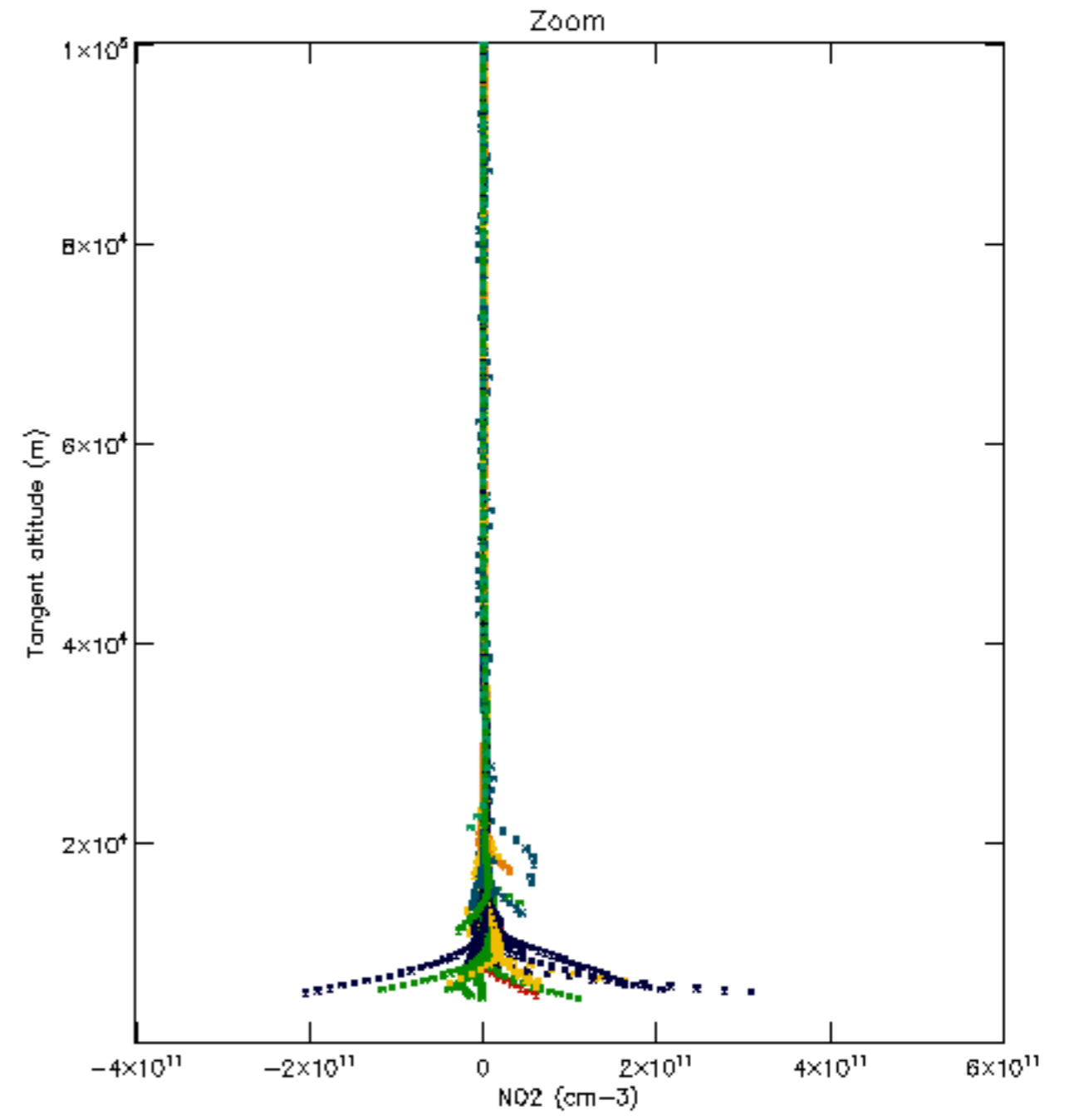
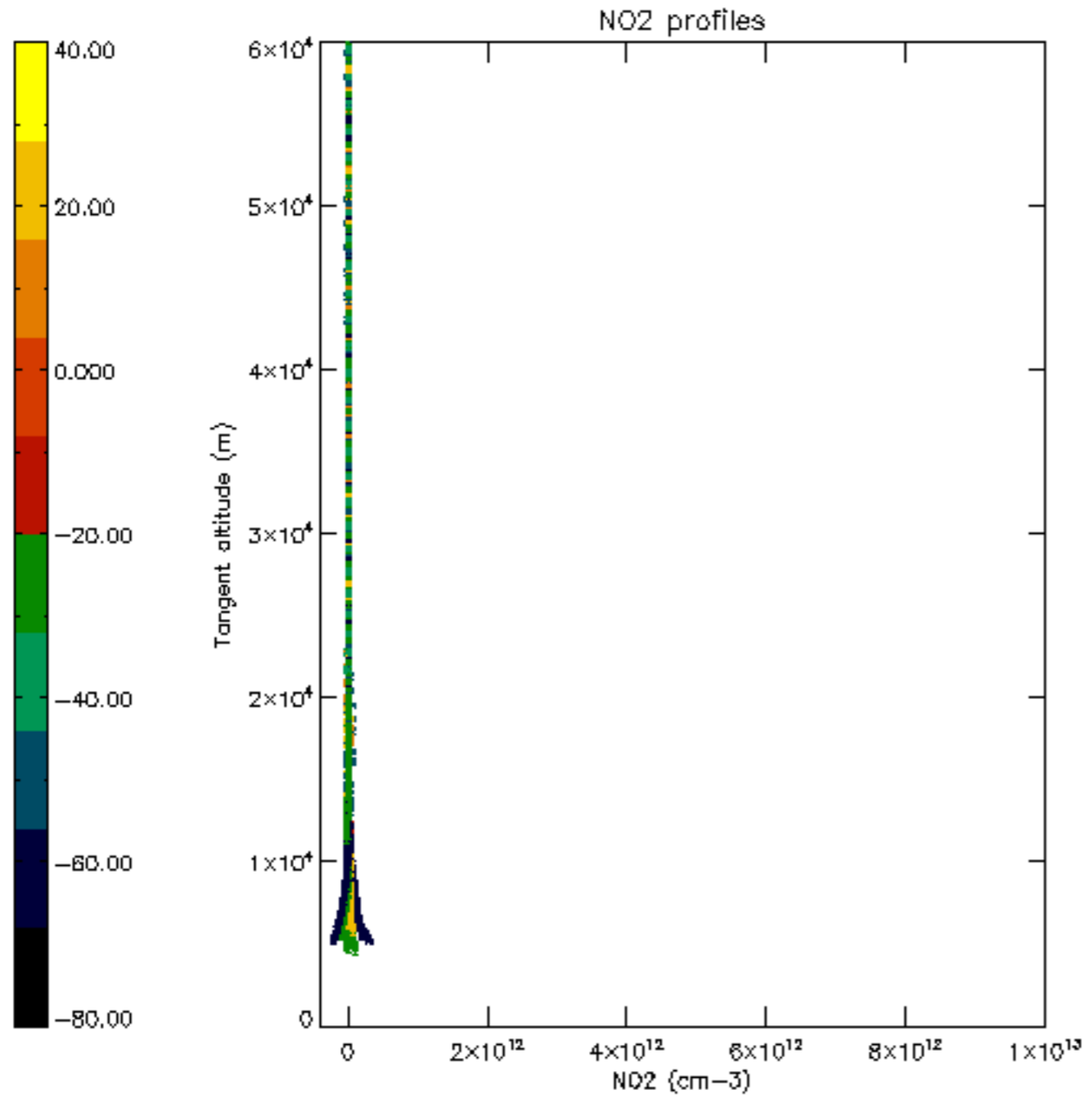


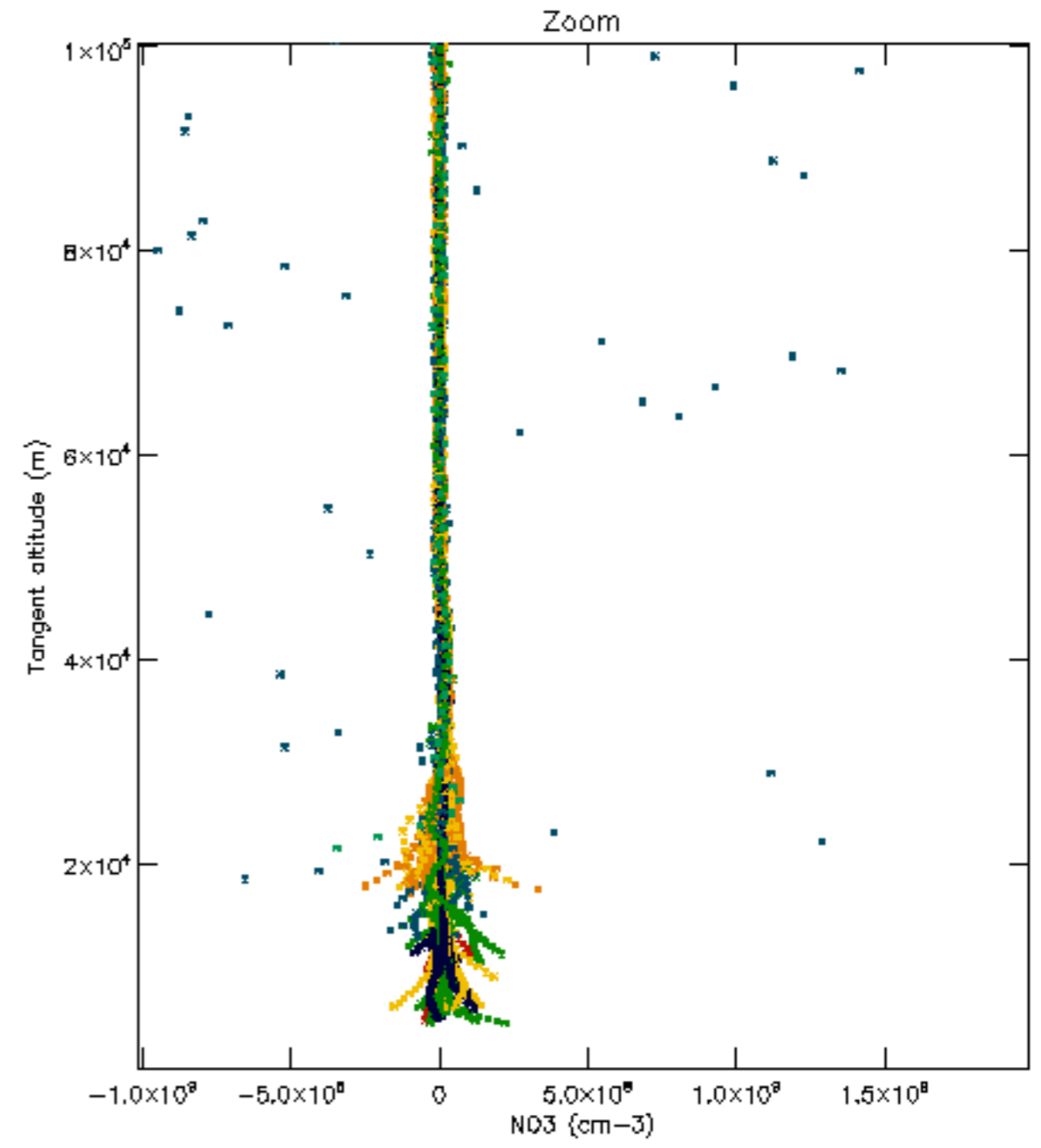
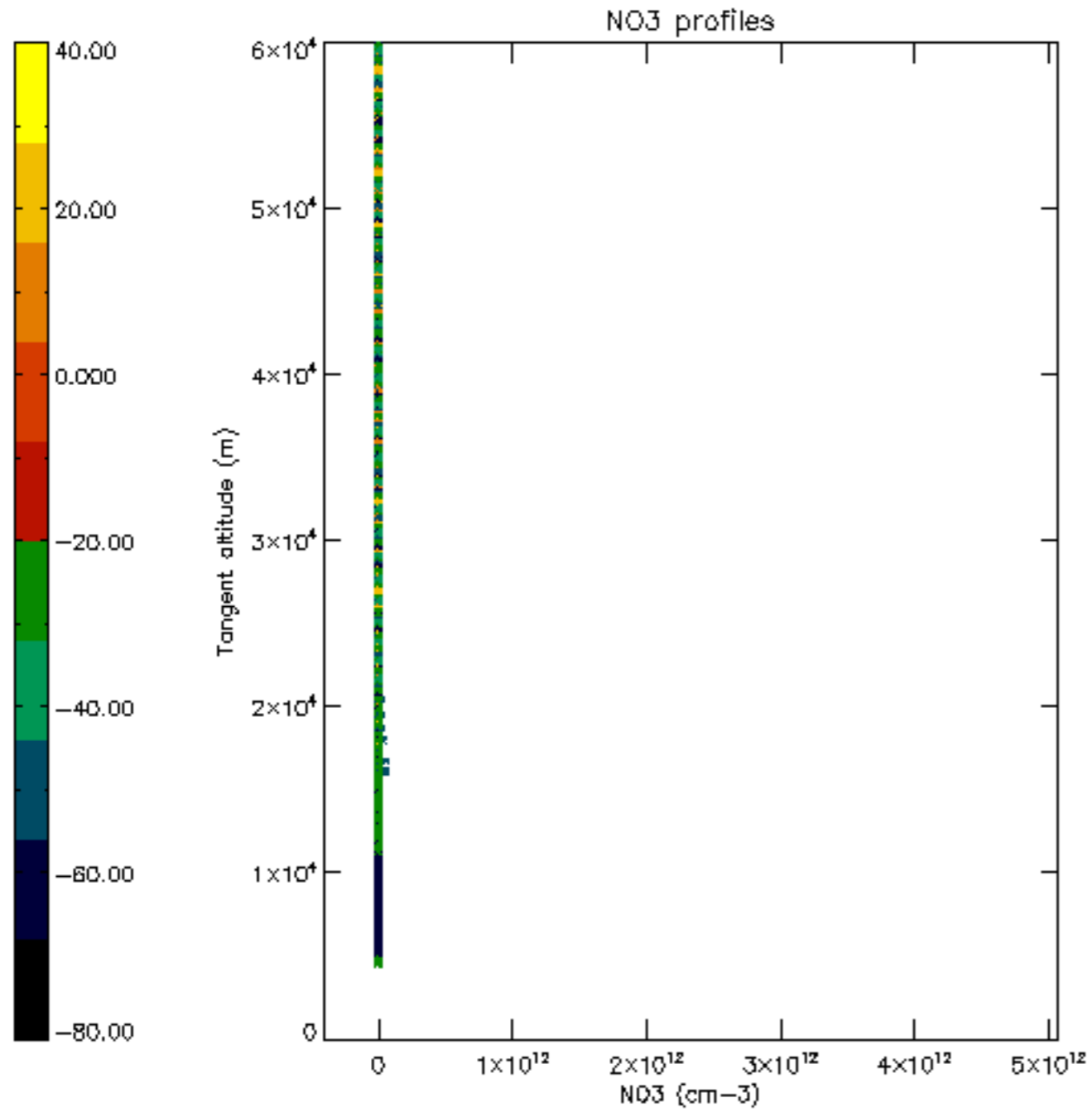


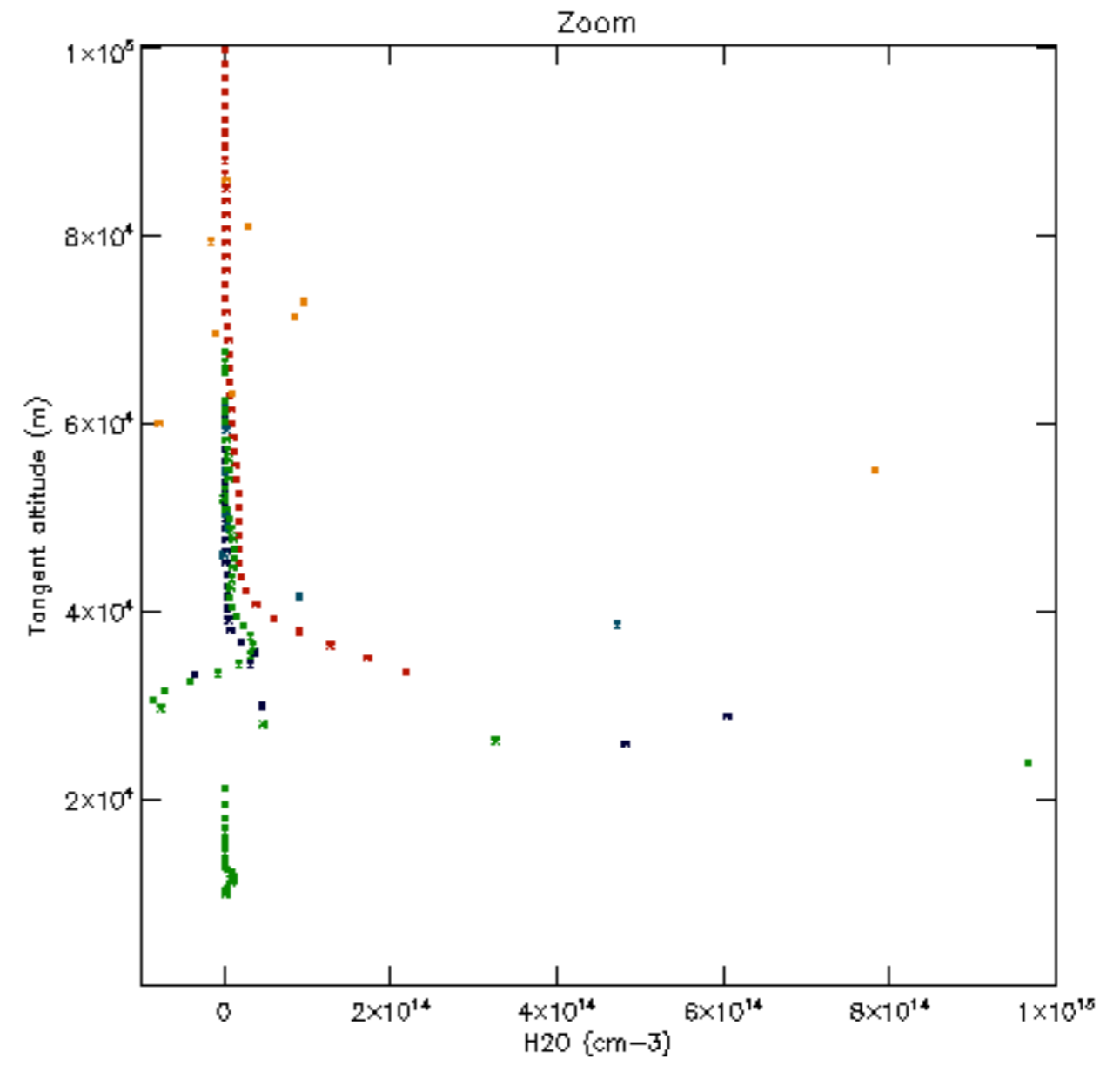
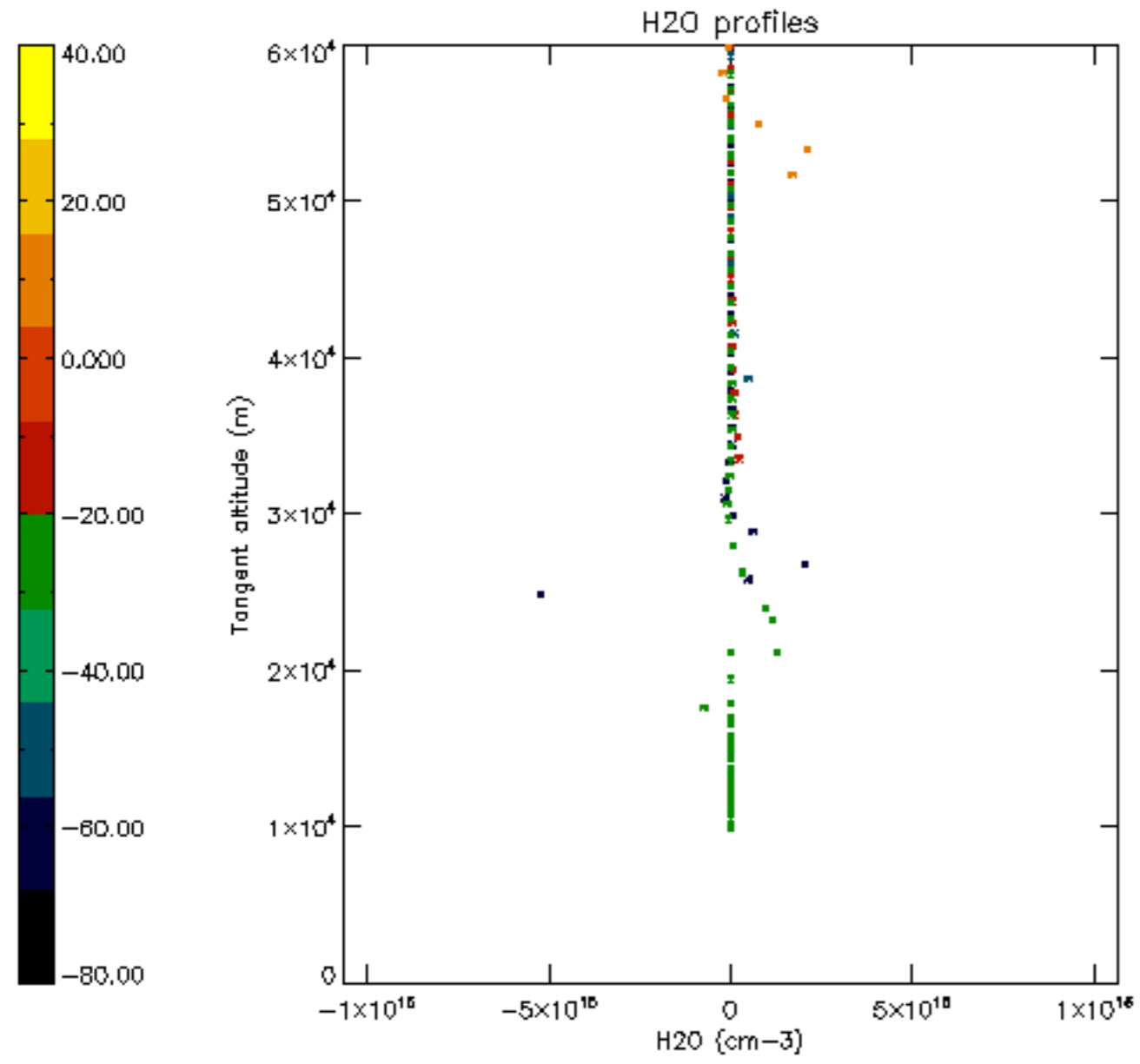


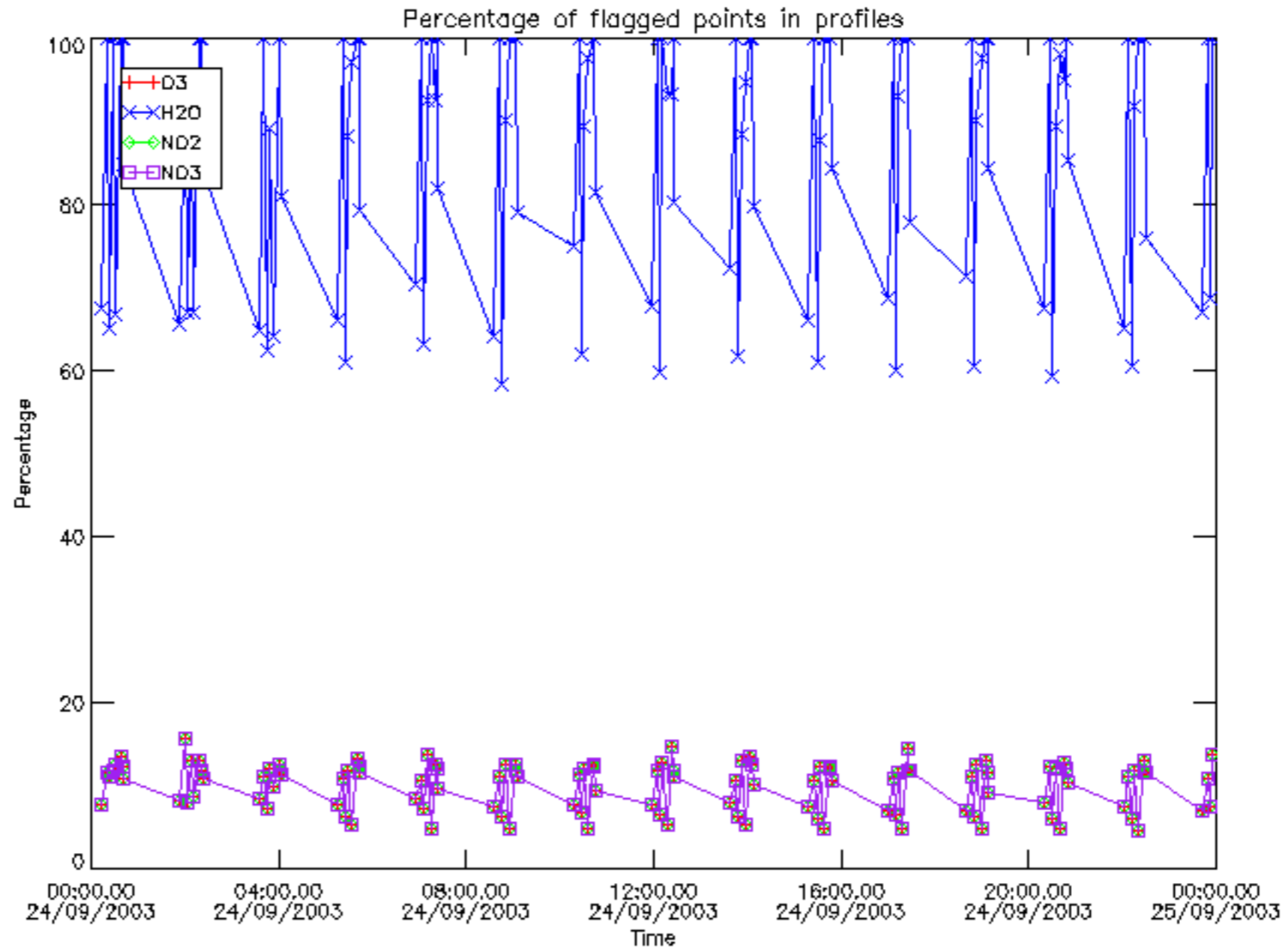






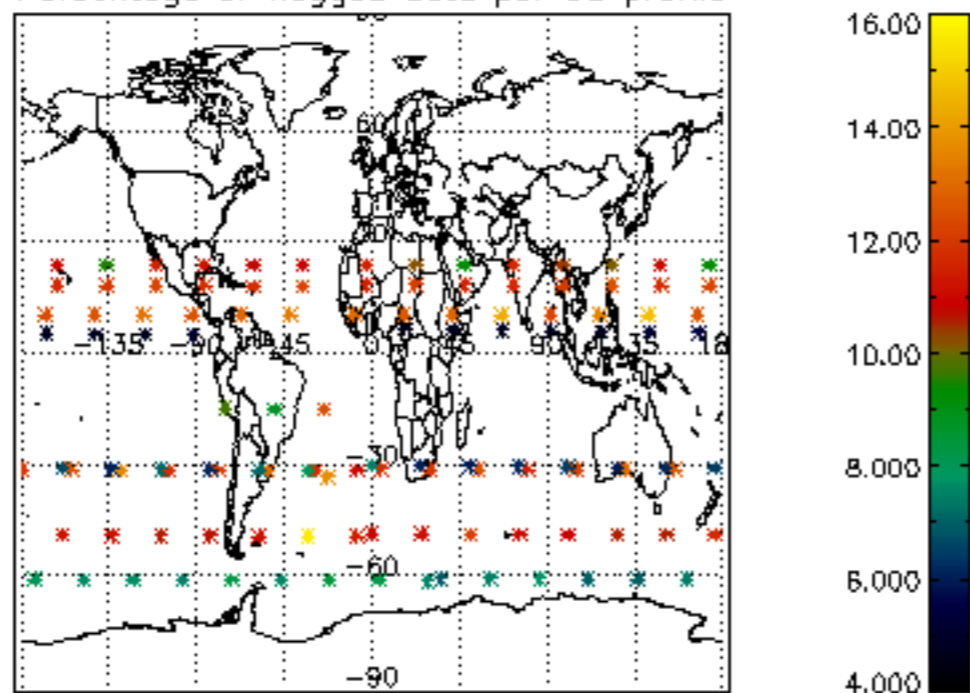




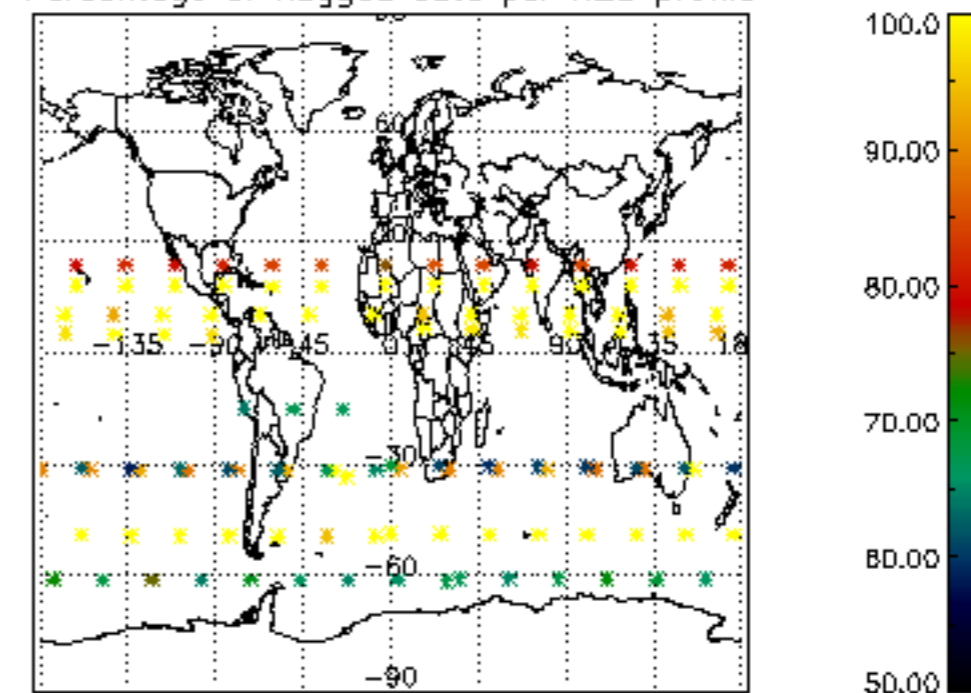




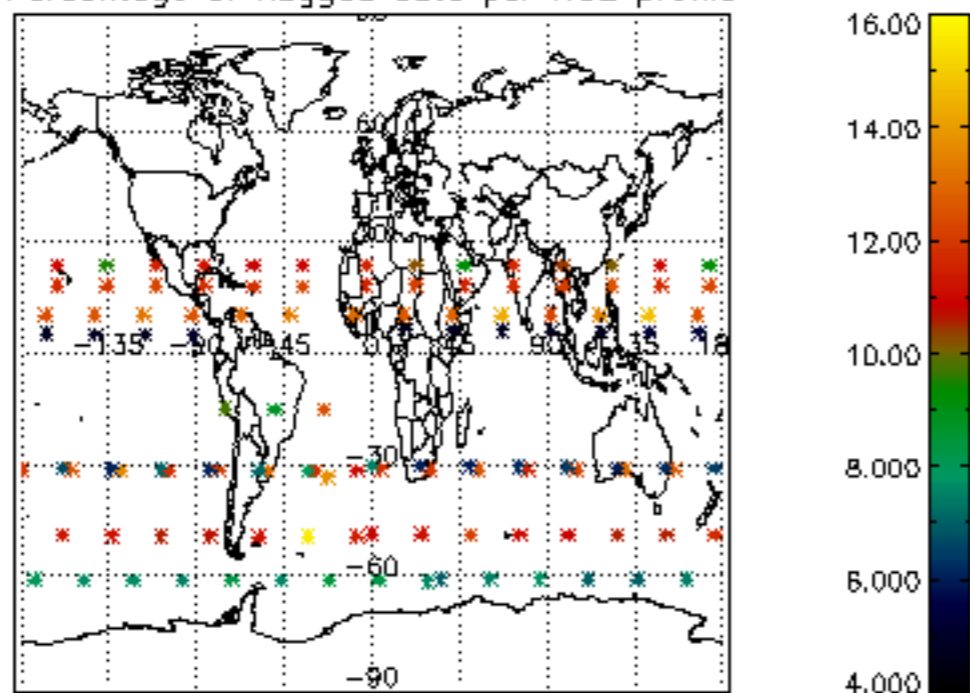
Percentage of flagged data per D3 profile



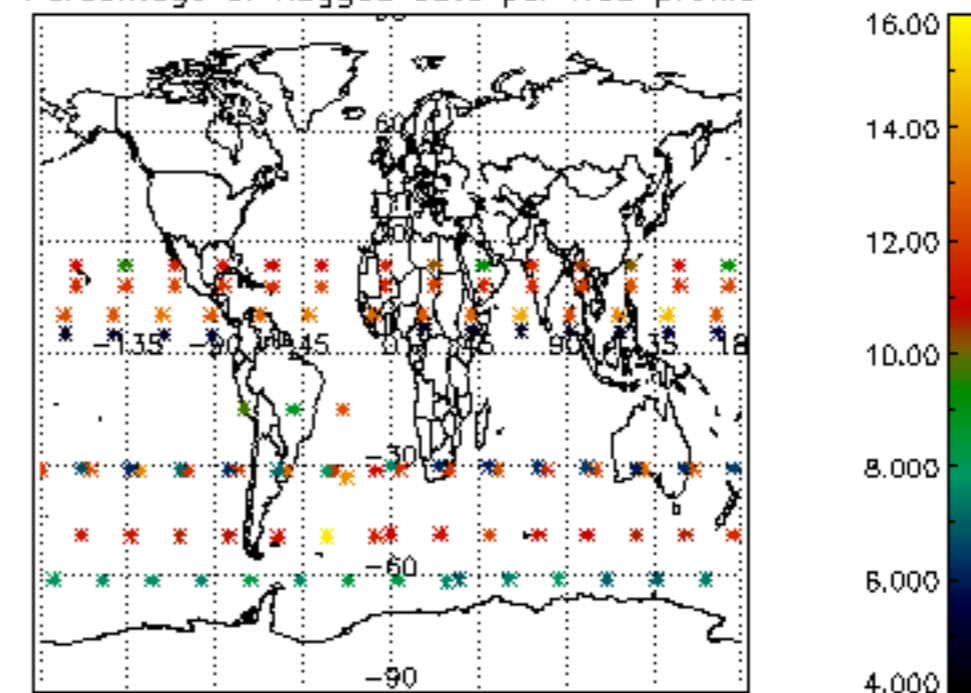
Percentage of flagged data per H2O profile

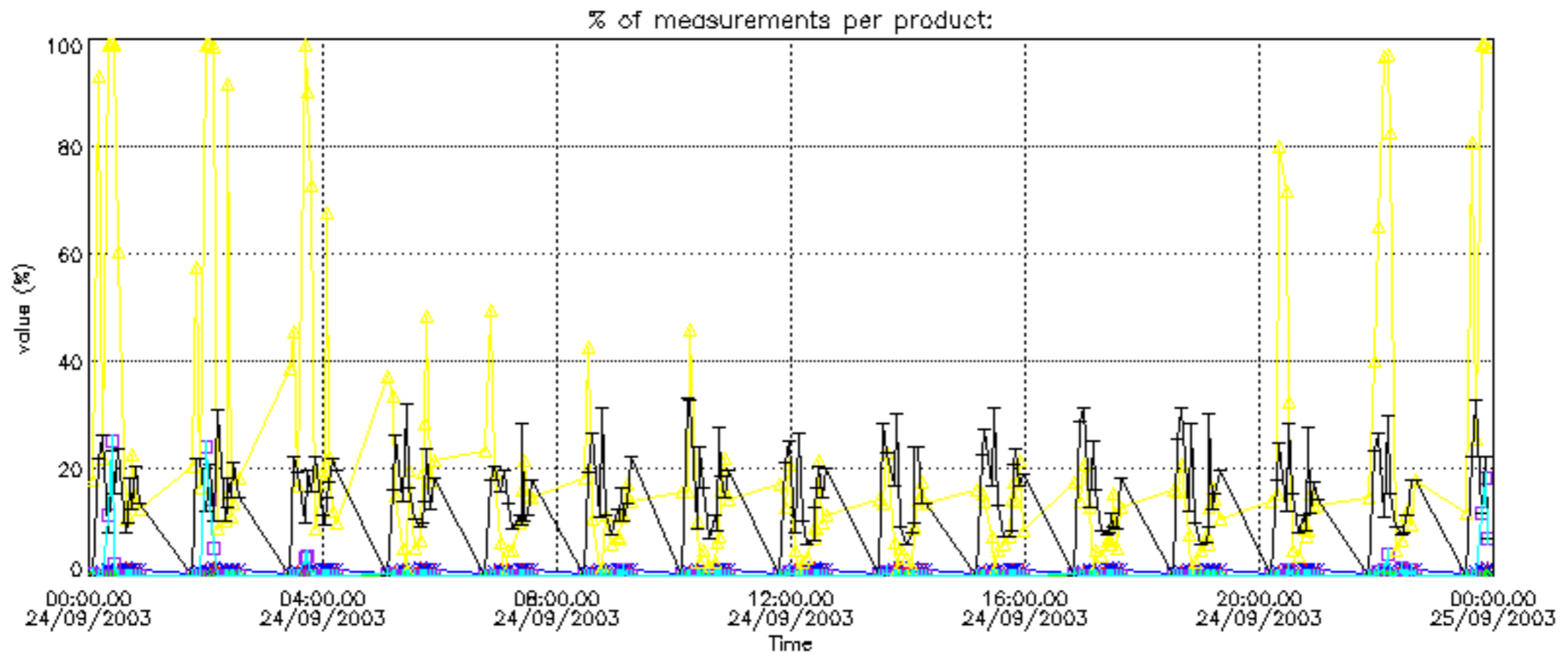


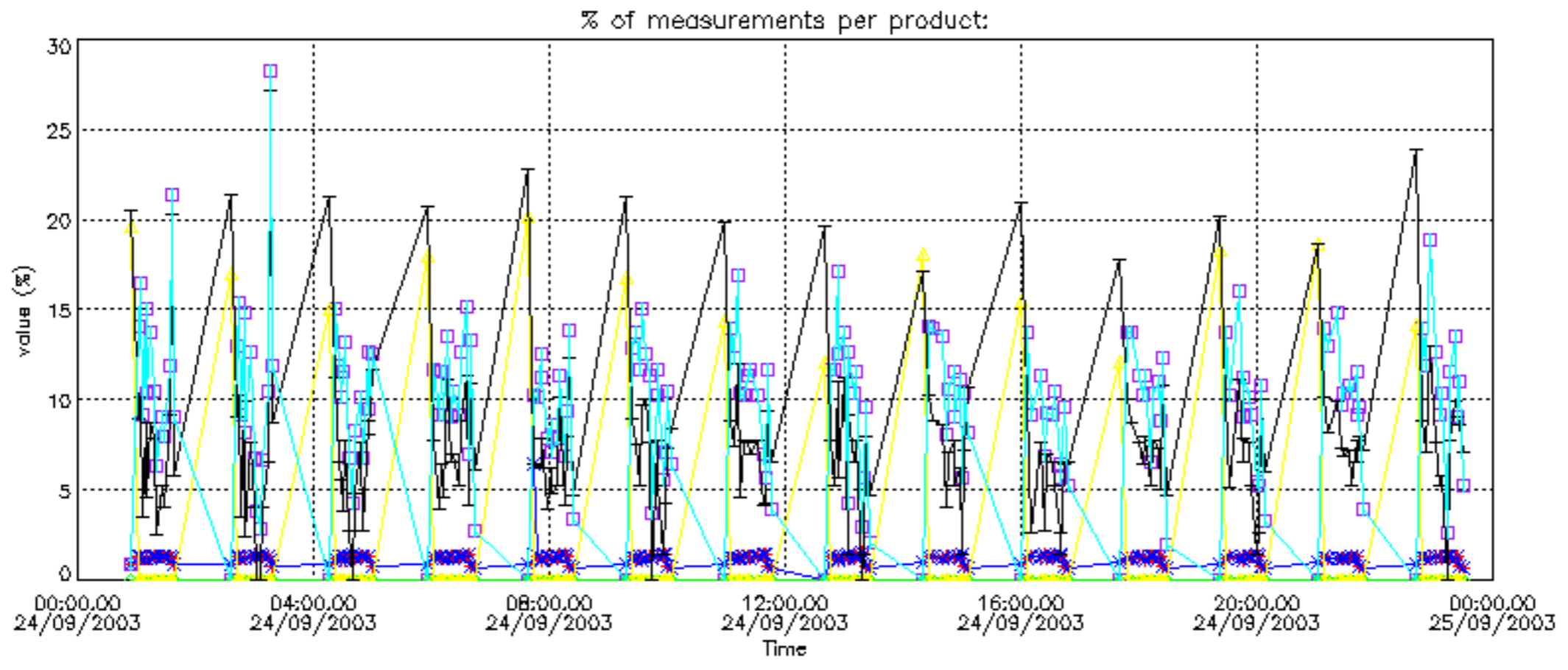
Percentage of flagged data per NO2 profile



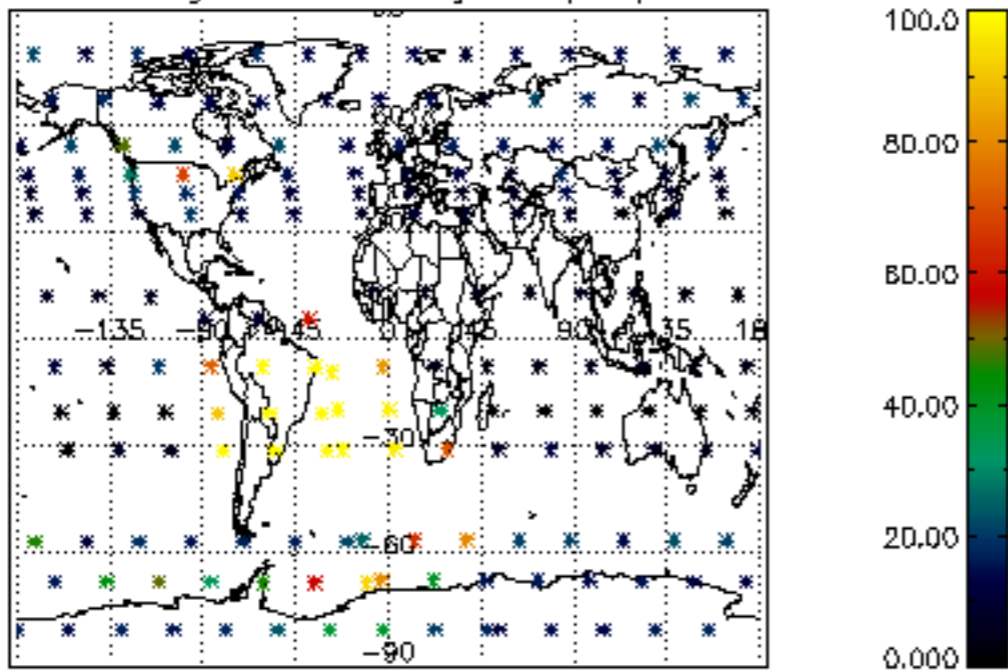
Percentage of flagged data per NO3 profile



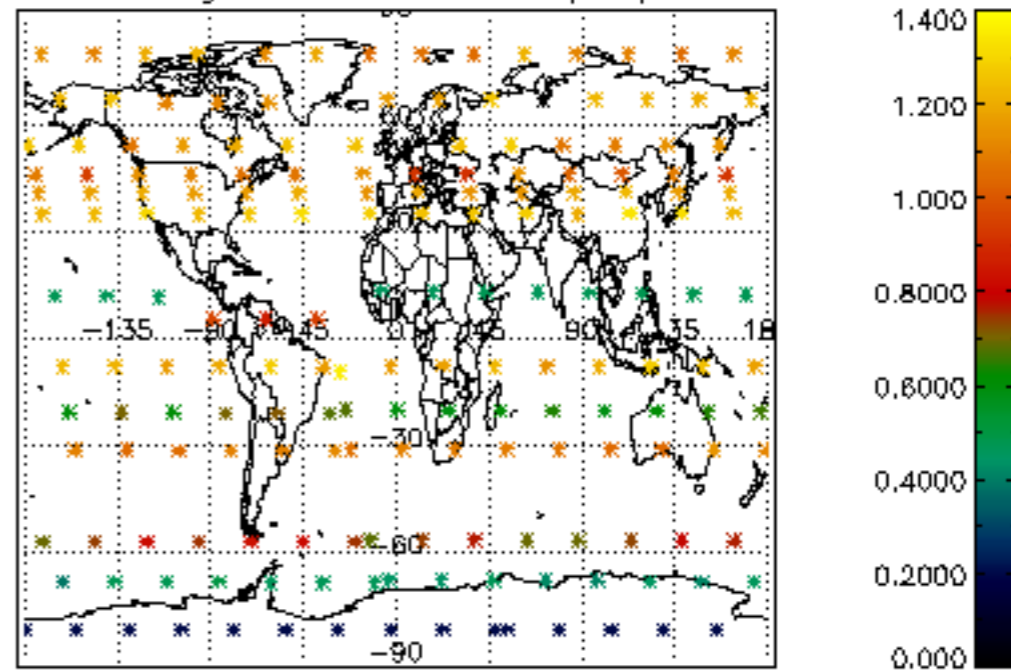




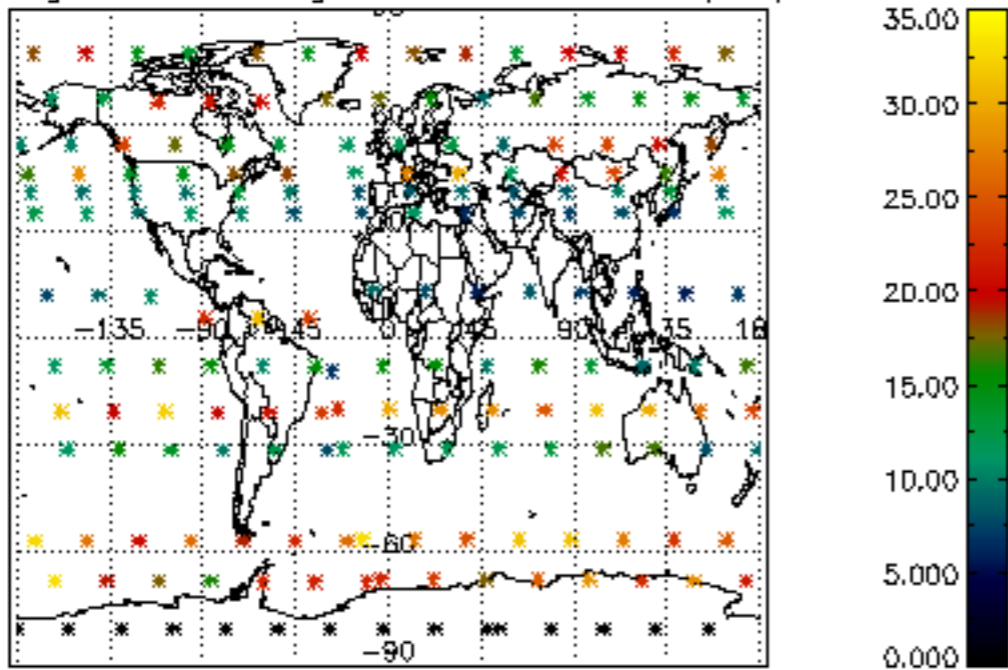
Percentage of cosmic ray hits per profile



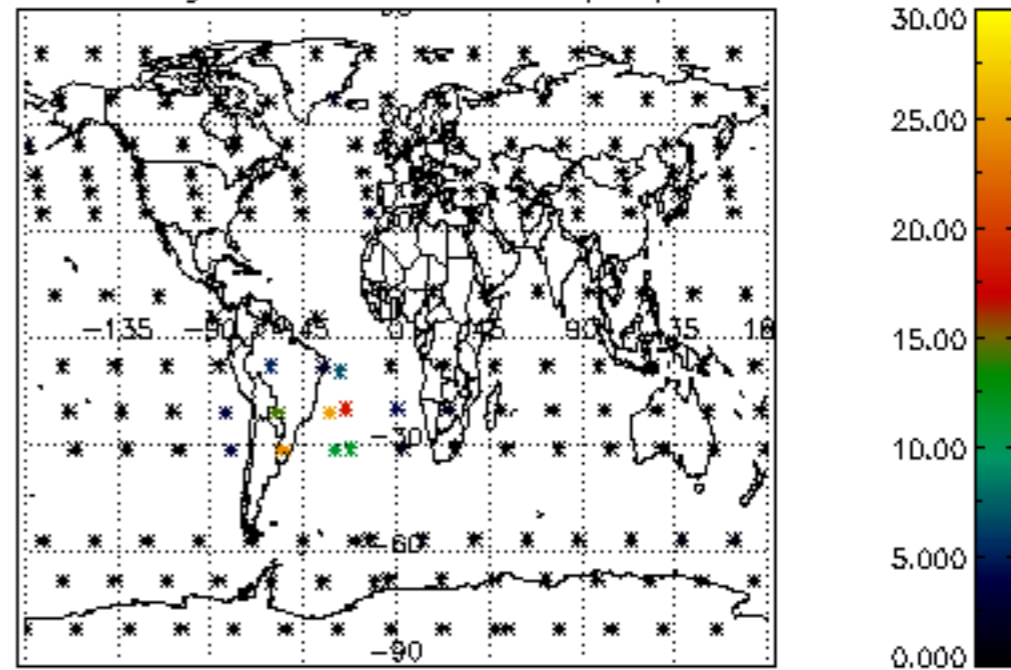
Percentage of datation errors per profile



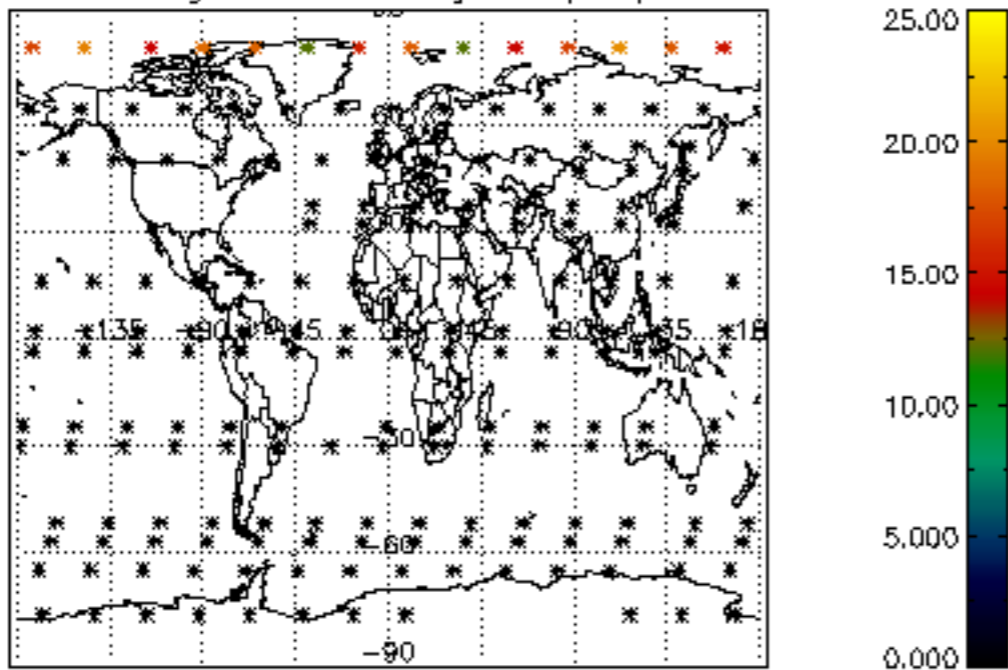
Percentage of star falling outside central band per profile



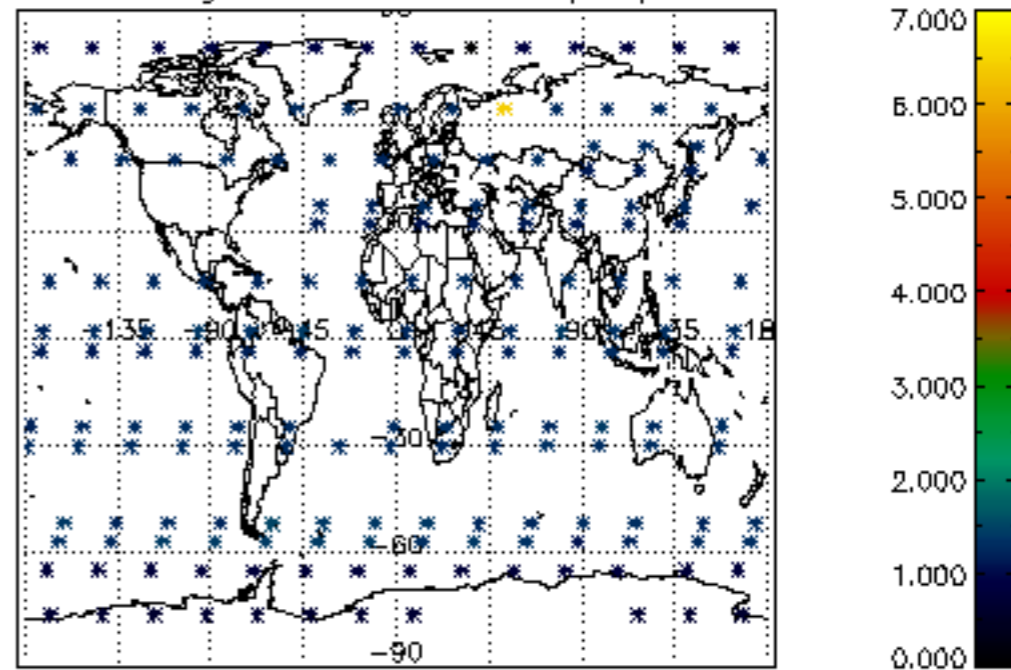
Percentage of saturation errors per profile



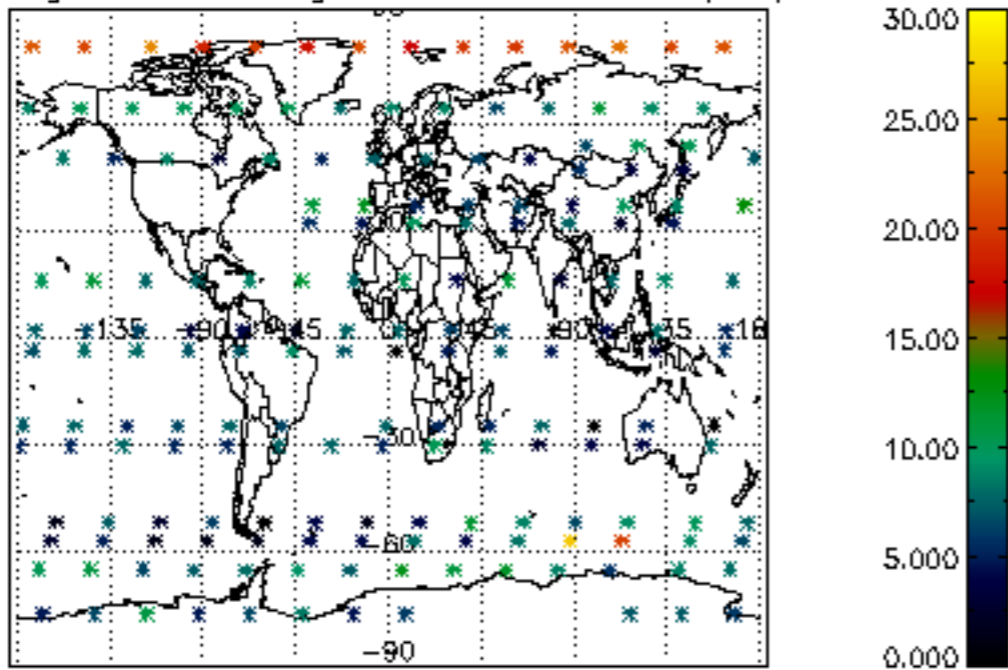
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

