

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	22APR2013 14:37:28
Data source version	GOMOS/6.01
Start time of products	19-01-2006 (19JAN2006 00:00:00)
Stop time of products	20-01-2006 (20JAN2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	210
Nb of prods with errors	1

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__2PRFIN20060119_000032_000000452044_00231_20325_7684.N1	19-JAN-2006 00:00:32	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	20325	No
2	GOM_NL__2PRFIN20060119_000156_000000412044_00231_20325_7685.N1	19-JAN-2006 00:01:56	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	20325	No
3	GOM_NL__2PRFIN20060119_000408_000000462044_00231_20325_7686.N1	19-JAN-2006 00:04:08	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	20325	No
4	GOM_NL__2PRFIN20060119_000639_000000402044_00231_20325_7687.N1	19-JAN-2006 00:06:39	Straylight	39.500	56	53Kap Ori	2.0650	30000.	79	20325	No
5	GOM_NL__2PRFIN20060119_000750_000000392044_00231_20325_7688.N1	19-JAN-2006 00:07:50	Twilight	39.000	125	44Iot Ori	2.7700	30000.	78	20325	No
6	GOM_NL__2PRFIN20060119_000907_000000392044_00231_20325_7689.N1	19-JAN-2006 00:09:07	Twilight	39.000	30	46Eps Ori	1.6940	30000.	78	20325	No
7	GOM_NL__2PRFIN20060119_001117_000000522044_00231_20325_7690.N1	19-JAN-2006 00:11:17	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	20325	No
8	GOM_NL__2PRFIN20060119_001339_000000522044_00231_20325_7691.N1	19-JAN-2006 00:13:39	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	20325	No
9	GOM_NL__2PRFIN20060119_001523_000000412044_00231_20325_7692.N1	19-JAN-2006 00:15:23	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20325	No
10	GOM_NL__2PRFIN20060119_001726_000000352044_00231_20325_7693.N1	19-JAN-2006 00:17:26	Bright	35.000	28	12Bet Tau	1.6500	15200.	70	20325	No
11	GOM_NL__2PRFIN20060119_001933_000000352044_00231_20325_7694.N1	19-JAN-2006 00:19:33	Bright	34.500	107	37The Aur	2.6490	11000.	69	20325	No
12	GOM_NL__2PRFIN20060119_002144_000000362044_00231_20325_7695.N1	19-JAN-2006 00:21:44	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20325	No
13	GOM_NL__2PRFIN20060119_003418_000000352044_00231_20325_7696.N1	19-JAN-2006 00:34:18	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	20325	No
14	GOM_NL__2PRFIN20060119_004513_000000522044_00231_20325_7697.N1	19-JAN-2006 00:45:13	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	20325	No
15	GOM_NL__2PRFIN20060119_004826_000000332044_00231_20325_7698.N1	19-JAN-2006 00:48:26	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20325	No
16	GOM_NL__2PRFIN20060119_005624_000000332044_00231_20325_7699.N1	19-JAN-2006 00:56:24	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	20325	No
17	GOM_NL__2PRFIN20060119_005831_000000342044_00231_20325_7700.N1	19-JAN-2006 00:58:31	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20325	No
18	GOM_NL__2PRFIN20060119_010352_000000552044_00231_20325_7701.N1	19-JAN-2006 01:03:52	Bright	54.500	98	13Zet Oph	2.5710	30000.	109	20325	No
19	GOM_NL__2PRFIN20060119_010820_000000532044_00231_20325_7702.N1	19-JAN-2006 01:08:20	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	20325	No
20	GOM_NL__2PRFIN20060119_011343_000000392044_00231_20325_7703.N1	19-JAN-2006 01:13:43	Dark	39.000	131	Gam Lup	2.8000	26000.	78	20325	No
21	GOM_NL__2PRFIN20060119_011928_000000532044_00232_20326_7680.N1	19-JAN-2006 01:19:28	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	20326	No
22	GOM_NL__2PRFIN20060119_012821_000000382044_00232_20326_7681.N1	19-JAN-2006 01:28:21	Dark	37.500	29	Bet Car	1.6720	10200.	75	20326	No
23	GOM_NL__2PRFIN20060119_013023_000000422044_00232_20326_7682.N1	19-JAN-2006 01:30:23	Dark	42.000	71	Iot Car	2.2460	7700.0	84	20326	No
24	GOM_NL__2PRFIN20060119_013213_000000412044_00232_20326_7683.N1	19-JAN-2006 01:32:13	Dark	40.500	46	Del Vel	1.9540	10600.	81	20326	No
25	GOM_NL__2PRFIN20060119_013500_000000432044_00232_20326_7684.N1	19-JAN-2006 01:35:00	Dark	42.500	2	Alp Car	-0.73600	7000.0	85	20326	No
26	GOM_NL__2PRFIN20060119_014232_000000382044_00232_20326_7685.N1	19-JAN-2006 01:42:32	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20326	No
27	GOM_NL__2PRFIN20060119_014444_000000512044_00232_20326_7686.N1	19-JAN-2006 01:44:44	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	20326	No
28	GOM_NL__2PRFIN20060119_014715_000000412044_00232_20326_7687.N1	19-JAN-2006 01:47:15	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	20326	No
29	GOM_NL__2PRFIN20060119_014826_000000382044_00232_20326_7688.N1	19-JAN-2006 01:48:26	Twilight	38.000	125	44Iot Ori	2.7700	30000.	76	20326	No
30	GOM_NL__2PRFIN20060119_014944_000000412044_00232_20326_7689.N1	19-JAN-2006 01:49:44	Twilight	40.500	30	46Eps Ori	1.6940	30000.	81	20326	No
31	GOM_NL__2PRFIN20060119_015153_000000522044_00232_20326_7690.N1	19-JAN-2006 01:51:53	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	20326	No
32	GOM_NL__2PRFIN20060119_015415_000000532044_00232_20326_7691.N1	19-JAN-2006 01:54:15	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	20326	No
33	GOM_NL__2PRFIN20060119_015559_000000412044_00232_20326_7692.N1	19-JAN-2006 01:55:59	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20326	No
34	GOM_NL__2PRFIN20060119_015802_000000362044_00232_20326_7693.N1	19-JAN-2006 01:58:02	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20326	No
35	GOM_NL__2PRFIN20060119_020010_000000352044_00232_20326_7694.N1	19-JAN-2006 02:00:10	Bright	35.000	107	37The Aur	2.6490	11000.	70	20326	No
36	GOM_NL__2PRFIN20060119_020220_000000372044_00232_20326_7695.N1	19-JAN-2006 02:02:20	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20326	No
37	GOM_NL__2PRFIN20060119_021453_000000342044_00232_20326_7696.N1	19-JAN-2006 02:14:53	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	20326	No
38	GOM_NL__2PRFIN20060119_022549_000000362044_00232_20326_7697.N1	19-JAN-2006 02:25:49	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20326	No
39	GOM_NL__2PRFIN20060119_022902_000000342044_00232_20326_7698.N1	19-JAN-2006 02:29:02	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	20326	No
40	GOM_NL__2PRFIN20060119_023700_000000342044_00232_20326_7699.N1	19-JAN-2006 02:37:00	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20326	No
41	GOM_NL__2PRFIN20060119_023907_000000342044_00232_20326_7700.N1	19-JAN-2006 02:39:07	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20326	No
42	GOM_NL__2PRFIN20060119_024428_000000372044_00232_20326_7701.N1	19-JAN-2006 02:44:28	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	20326	No

43	GOM_NL__2PRFIN20060119_024856_000000472044_00232_20326_7702.N1	19-JAN-2006 02:48:56	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	20326	No
44	GOM_NL__2PRFIN20060119_025032_000000452044_00232_20326_7703.N1	19-JAN-2006 02:50:32	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	20326	No
45	GOM_NL__2PRFIN20060119_025419_000000402044_00232_20326_7704.N1	19-JAN-2006 02:54:19	Dark	39.500	131	Gam Lup	2.8000	26000.	79	20326	No
46	GOM_NL__2PRFIN20060119_030005_000000432044_00233_20327_7680.N1	19-JAN-2006 03:00:05	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	20327	No
47	GOM_NL__2PRFIN20060119_030857_000000372044_00233_20327_7681.N1	19-JAN-2006 03:08:57	Dark	37.000	29	Bet Car	1.6720	10200.	74	20327	No
48	GOM_NL__2PRFIN20060119_031059_000000392044_00233_20327_7682.N1	19-JAN-2006 03:10:59	Dark	38.500	71	lot Car	2.2460	7700.0	77	20327	No
49	GOM_NL__2PRFIN20060119_031250_000000392044_00233_20327_7683.N1	19-JAN-2006 03:12:50	Dark	39.000	46	Del Vel	1.9540	10600.	78	20327	No
50	GOM_NL__2PRFIN20060119_031536_000000422044_00233_20327_7684.N1	19-JAN-2006 03:15:36	Dark	41.500	2	Alp Car	-0.73600	7000.0	83	20327	No
51	GOM_NL__2PRFIN20060119_032144_000000432044_00233_20327_7685.N1	19-JAN-2006 03:21:44	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	20327	No
52	GOM_NL__2PRFIN20060119_032309_000000392044_00233_20327_7686.N1	19-JAN-2006 03:23:09	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	20327	No
53	GOM_NL__2PRFIN20060119_032520_000000482044_00233_20327_7687.N1	19-JAN-2006 03:25:20	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	20327	No
54	GOM_NL__2PRFIN20060119_032751_000000402044_00233_20327_7688.N1	19-JAN-2006 03:27:51	Straylight	40.000	56	53Kap Ori	2.0650	30000.	80	20327	No
55	GOM_NL__2PRFIN20060119_032902_000000392044_00233_20327_7689.N1	19-JAN-2006 03:29:02	Tw_i_and_stray	38.500	125	44lot Ori	2.7700	30000.	77	20327	No
56	GOM_NL__2PRFIN20060119_033020_000000402044_00233_20327_7690.N1	19-JAN-2006 03:30:20	Tw_i_and_stray	39.500	30	46Eps Ori	1.6940	30000.	79	20327	No
57	GOM_NL__2PRFIN20060119_033230_000000522044_00233_20327_7691.N1	19-JAN-2006 03:32:30	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	20327	No
58	GOM_NL__2PRFIN20060119_033451_000000462044_00233_20327_7692.N1	19-JAN-2006 03:34:51	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	20327	No
59	GOM_NL__2PRFIN20060119_033635_000000412044_00233_20327_7693.N1	19-JAN-2006 03:36:35	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20327	No
60	GOM_NL__2PRFIN20060119_033838_000000382044_00233_20327_7694.N1	19-JAN-2006 03:38:38	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	20327	No
61	GOM_NL__2PRFIN20060119_034046_000000362044_00233_20327_7695.N1	19-JAN-2006 03:40:46	Bright	35.500	107	37The Aur	2.6490	11000.	71	20327	No
62	GOM_NL__2PRFIN20060119_034256_000000362044_00233_20327_7696.N1	19-JAN-2006 03:42:56	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20327	No
63	GOM_NL__2PRFIN20060119_035529_000000362044_00233_20327_7697.N1	19-JAN-2006 03:55:29	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20327	No
64	GOM_NL__2PRFIN20060119_040625_000000362044_00233_20327_7698.N1	19-JAN-2006 04:06:25	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20327	No
65	GOM_NL__2PRFIN20060119_040938_000000342044_00233_20327_7699.N1	19-JAN-2006 04:09:38	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	20327	No
66	GOM_NL__2PRFIN20060119_041736_000000342044_00233_20327_7700.N1	19-JAN-2006 04:17:36	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	20327	No
67	GOM_NL__2PRFIN20060119_041943_000000332044_00233_20327_7701.N1	19-JAN-2006 04:19:43	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	20327	No
68	GOM_NL__2PRFIN20060119_042504_000000382044_00233_20327_7702.N1	19-JAN-2006 04:25:04	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	20327	No
69	GOM_NL__2PRFIN20060119_042933_000000482044_00233_20327_7703.N1	19-JAN-2006 04:29:33	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	20327	No
70	GOM_NL__2PRFIN20060119_043108_000000442044_00233_20327_7704.N1	19-JAN-2006 04:31:08	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	20327	No
71	GOM_NL__2PRFIN20060119_043456_000000402044_00233_20327_7705.N1	19-JAN-2006 04:34:56	Dark	40.000	131	Gam Lup	2.8000	26000.	80	20327	No
72	GOM_NL__2PRFIN20060119_044041_000000502044_00234_20328_7700.N1	19-JAN-2006 04:40:41	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	20328	No
73	GOM_NL__2PRFIN20060119_044933_000000382044_00234_20328_7701.N1	19-JAN-2006 04:49:33	Dark	38.000	29	Bet Car	1.6720	10200.	76	20328	No
74	GOM_NL__2PRFIN20060119_045135_000000442044_00234_20328_7702.N1	19-JAN-2006 04:51:35	Dark	43.500	71	lot Car	2.2460	7700.0	87	20328	No
75	GOM_NL__2PRFIN20060119_045326_000000432044_00234_20328_7703.N1	19-JAN-2006 04:53:26	Dark	42.500	46	Del Vel	1.9540	10600.	85	20328	No
76	GOM_NL__2PRFIN20060119_045612_000000442044_00234_20328_7704.N1	19-JAN-2006 04:56:12	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	20328	No
77	GOM_NL__2PRFIN20060119_051306_000000482044_00234_20328_7705.N1	19-JAN-2006 05:13:06	Tw_i_and_stray	48.000	14	58Alp Ori	0.87000	3000.0	96	20328	No
78	GOM_NL__2PRFIN20060119_051526_000000532044_00234_20328_7706.N1	19-JAN-2006 05:15:26	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	20328	No
79	GOM_NL__2PRFIN20060119_051711_000000402044_00234_20328_7707.N1	19-JAN-2006 05:17:11	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20328	No
80	GOM_NL__2PRFIN20060119_051914_000000372044_00234_20328_7708.N1	19-JAN-2006 05:19:14	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20328	No
81	GOM_NL__2PRFIN20060119_052122_000000352044_00234_20328_7709.N1	19-JAN-2006 05:21:22	Bright	35.000	107	37The Aur	2.6490	11000.	70	20328	No
82	GOM_NL__2PRFIN20060119_052332_000000362044_00234_20328_7710.N1	19-JAN-2006 05:23:32	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20328	No
83	GOM_NL__2PRFIN20060119_053605_000000342044_00234_20328_7711.N1	19-JAN-2006 05:36:05	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	20328	No
84	GOM_NL__2PRFIN20060119_054701_000000372044_00234_20328_7712.N1	19-JAN-2006 05:47:01	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	20328	No
85	GOM_NL__2PRFIN20060119_055015_000000342044_00234_20328_7713.N1	19-JAN-2006 05:50:15	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	20328	No
86	GOM_NL__2PRFIN20060119_055812_000000342044_00234_20328_7714.N1	19-JAN-2006 05:58:12	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20328	No
87	GOM_NL__2PRFIN20060119_060019_000000342044_00234_20328_7715.N1	19-JAN-2006 06:00:19	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20328	No
88	GOM_NL__2PRFIN20060119_060541_000000372044_00234_20328_7716.N1	19-JAN-2006 06:05:41	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	20328	No
89	GOM_NL__2PRFIN20060119_061009_000000452044_00234_20328_7717.N1	19-JAN-2006 06:10:09	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	20328	No
90	GOM_NL__2PRFIN20060119_061145_000000412044_00234_20328_7718.N1	19-JAN-2006 06:11:45	Twilight	41.000	75	26Eps Sco	2.2910	4250.0	82	20328	No
91	GOM_NL__2PRFIN20060119_061532_000000392044_00234_20328_7719.N1	19-JAN-2006 06:15:32	Dark	39.000	131	Gam Lup	2.8000	26000.	78	20328	No
92	GOM_NL__2PRFIN20060119_062118_000000442044_00235_20329_7700.N1	19-JAN-2006 06:21:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	20329	No
93	GOM_NL__2PRFIN20060119_063009_000000382044_00235_20329_7701.N1	19-JAN-2006 06:30:09	Dark	37.500	29	Bet Car	1.6720	10200.	75	20329	No
94	GOM_NL__2PRFIN20060119_063212_000000392044_00235_20329_7702.N1	19-JAN-2006 06:32:12	Dark	39.000	71	lot Car	2.2460	7700.0	78	20329	No
95	GOM_NL__2PRFIN20060119_063403_000000392044_00235_20329_7703.N1	19-JAN-2006 06:34:03	Dark	39.000	46	Del Vel	1.9540	10600.	78	20329	No
96	GOM_NL__2PRFIN20060119_063649_000000422044_00235_20329_7704.N1	19-JAN-2006 06:36:49	Dark	42.000	2	Alp Car	-0.73600	7000.0	84	20329	No
97	GOM_NL__2PRFIN20060119_064257_000000412044_00235_20329_7705.N1	19-JAN-2006 06:42:57	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	20329	No
98	GOM_NL__2PRFIN20060119_064421_000000382044_00235_20329_7706.N1	19-JAN-2006 06:44:21	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20329	No
99	GOM_NL__2PRFIN20060119_064632_000000462044_00235_20329_7707.N1	19-JAN-2006 06:46:32	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	20329	No
100	GOM_NL__2PRFIN20060119_064904_000000392044_00235_20329_7708.N1	19-JAN-2006 06:49:04	Straylight	39.000	56	53Kap Ori	2.0650	30000.	78	20329	No
101	GOM_NL__2PRFIN20060119_065015_000000382044_00235_20329_7709.N1	19-JAN-2006 06:50:15	Tw_i_and_stray	37.500	125	44lot Ori	2.7700	30000.	75	20329	No

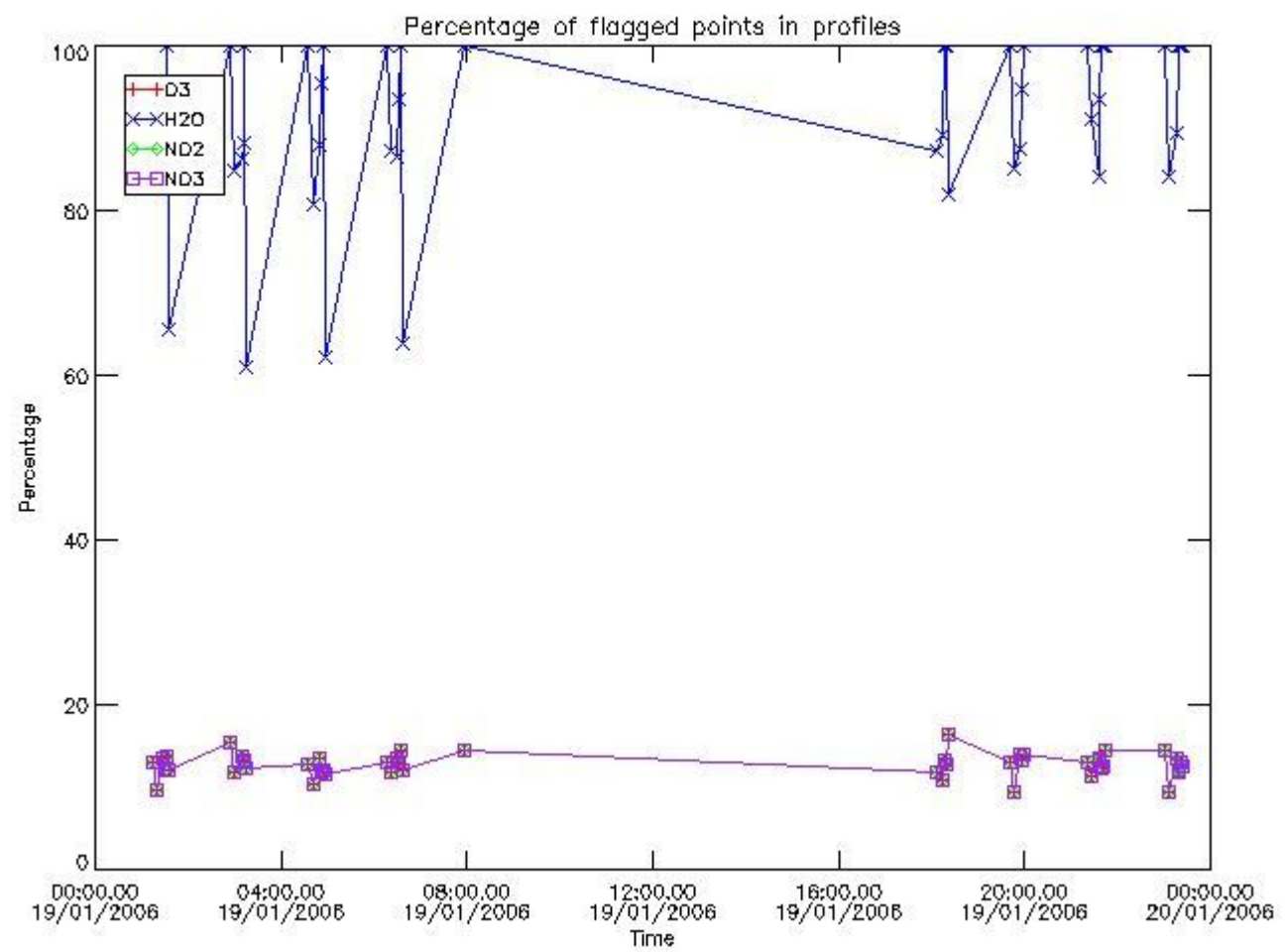
102	GOM_NL__2PRFIN20060119_065132_000000422044_00235_20329_7710.N1	19-JAN-2006 06:51:32	Twilight	42.000	30	46Eps Ori	1.6940	30000.	84	20329	No
103	GOM_NL__2PRFIN20060119_065342_000000512044_00235_20329_7711.N1	19-JAN-2006 06:53:42	Twilight	51.000	14	58Alp Ori	0.87000	3000.0	102	20329	No
104	GOM_NL__2PRFIN20060119_065602_000000462044_00235_20329_7712.N1	19-JAN-2006 06:56:02	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	20329	No
105	GOM_NL__2PRFIN20060119_065747_000000412044_00235_20329_7713.N1	19-JAN-2006 06:57:47	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20329	No
106	GOM_NL__2PRFIN20060119_065950_000000362044_00235_20329_7714.N1	19-JAN-2006 06:59:50	Bright	35.500	28	12Bet Tau	1.6500	15200.	71	20329	No
107	GOM_NL__2PRFIN20060119_070158_000000362044_00235_20329_7715.N1	19-JAN-2006 07:01:58	Bright	35.500	107	37The Aur	2.6490	11000.	71	20329	No
108	GOM_NL__2PRFIN20060119_070408_000000362044_00235_20329_7716.N1	19-JAN-2006 07:04:08	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20329	No
109	GOM_NL__2PRFIN20060119_071641_000000342044_00235_20329_7717.N1	19-JAN-2006 07:16:41	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	20329	No
110	GOM_NL__2PRFIN20060119_072737_000000342044_00235_20329_7718.N1	19-JAN-2006 07:27:37	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	20329	No
111	GOM_NL__2PRFIN20060119_073051_000000352044_00235_20329_7719.N1	19-JAN-2006 07:30:51	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	20329	No
112	GOM_NL__2PRFIN20060119_073848_000000342044_00235_20329_7720.N1	19-JAN-2006 07:38:48	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20329	No
113	GOM_NL__2PRFIN20060119_074055_000000342044_00235_20329_7721.N1	19-JAN-2006 07:40:55	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20329	No
114	GOM_NL__2PRFIN20060119_074617_000000382044_00235_20329_7722.N1	19-JAN-2006 07:46:17	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	20329	No
115	GOM_NL__2PRFIN20060119_075046_000000462044_00235_20329_7723.N1	19-JAN-2006 07:50:46	Twilight	46.000	16	21Alp Sco	1.0200	3000.0	92	20329	No
116	GOM_NL__2PRFIN20060119_075221_000000392044_00235_20329_7724.N1	19-JAN-2006 07:52:21	Twilight	38.500	75	26Eps Sco	2.2910	4250.0	77	20329	No
117	GOM_NL__2PRFIN20060119_075609_000000382044_00235_20329_7725.N1	19-JAN-2006 07:56:09	Dark	38.000	131	Gam Lup	2.8000	26000.	76	20329	No
118	GOM_NL__2PRFIN20060119_180532_000000442044_00242_20336_7700.N1	19-JAN-2006 18:05:32	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	20336	No
119	GOM_NL__2PRFIN20060119_181423_000000472044_00242_20336_7701.N1	19-JAN-2006 18:14:23	Dark	47.000	29	Bet Car	1.6720	10200.	94	20336	No
120	GOM_NL__2PRFIN20060119_181626_000000392044_00242_20336_7702.N1	19-JAN-2006 18:16:26	Dark	38.500	71	lot Car	2.2460	7700.0	77	20336	No
121	GOM_NL__2PRFIN20060119_181817_000000402044_00242_20336_7703.N1	19-JAN-2006 18:18:17	Dark	40.000	46	Del Vel	1.9540	10600.	80	20336	No
122	GOM_NL__2PRFIN20060119_182104_000000282044_00242_20336_7704.N1	19-JAN-2006 18:21:04	Dark	28.000	2	Alp Car	-0.73600	7000.0	56	20336	No
123	GOM_NL__2PRFIN20060119_182834_000000382044_00242_20336_7705.N1	19-JAN-2006 18:28:34	Straylight	38.000	179	24Omi2Cma	3.0320	24000.	76	20336	No
124	GOM_NL__2PRFIN20060119_183045_000000472044_00242_20336_7706.N1	19-JAN-2006 18:30:45	Straylight	47.000	1	9Alp Cma	-1.4400	11000.	94	20336	No
125	GOM_NL__2PRFIN20060119_183316_000000392044_00242_20336_7707.N1	19-JAN-2006 18:33:16	Straylight	38.500	56	53Kap Ori	2.0650	30000.	77	20336	No
126	GOM_NL__2PRFIN20060119_183545_000000402044_00242_20336_7708.N1	19-JAN-2006 18:35:45	Twilight	39.500	30	46Eps Ori	1.6940	30000.	79	20336	No
127	GOM_NL__2PRFIN20060119_183754_000000522044_00242_20336_7709.N1	19-JAN-2006 18:37:54	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	20336	No
128	GOM_NL__2PRFIN20060119_184014_000000532044_00242_20336_7710.N1	19-JAN-2006 18:40:14	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	20336	No
129	GOM_NL__2PRFIN20060119_184158_000000402044_00242_20336_7711.N1	19-JAN-2006 18:41:58	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	20336	No
130	GOM_NL__2PRFIN20060119_184403_000000372044_00242_20336_7712.N1	19-JAN-2006 18:44:03	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	20336	No
131	GOM_NL__2PRFIN20060119_184610_000000362044_00242_20336_7713.N1	19-JAN-2006 18:46:10	Bright	36.000	107	37The Aur	2.6490	11000.	72	20336	No
132	GOM_NL__2PRFIN20060119_184819_000000372044_00242_20336_7714.N1	19-JAN-2006 18:48:19	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20336	No
133	GOM_NL__2PRFIN20060119_190053_000000362044_00242_20336_7715.N1	19-JAN-2006 19:00:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20336	No
134	GOM_NL__2PRFIN20060119_191149_000000362044_00242_20336_7716.N1	19-JAN-2006 19:11:49	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	20336	No
135	GOM_NL__2PRFIN20060119_191504_000000332044_00242_20336_7717.N1	19-JAN-2006 19:15:04	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20336	No
136	GOM_NL__2PRFIN20060119_192302_000000342044_00242_20336_7718.N1	19-JAN-2006 19:23:02	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	20336	No
137	GOM_NL__2PRFIN20060119_192508_000000342044_00242_20336_7719.N1	19-JAN-2006 19:25:08	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20336	No
138	GOM_NL__2PRFIN20060119_193031_000000372044_00242_20336_7720.N1	19-JAN-2006 19:30:31	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	20336	No
139	GOM_NL__2PRFIN20060119_193500_000000472044_00242_20336_7721.N1	19-JAN-2006 19:35:00	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	20336	No
140	GOM_NL__2PRFIN20060119_193635_000000452044_00242_20336_7722.N1	19-JAN-2006 19:36:35	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	20336	No
141	GOM_NL__2PRFIN20060119_194025_000000402044_00242_20336_7723.N1	19-JAN-2006 19:40:25	Dark	39.500	131	Gam Lup	2.8000	26000.	79	20336	No
142	GOM_NL__2PRFIN20060119_194609_000000542044_00243_20337_7700.N1	19-JAN-2006 19:46:09	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	20337	No
143	GOM_NL__2PRFIN20060119_195459_000000372044_00243_20337_7701.N1	19-JAN-2006 19:54:59	Dark	36.500	29	Bet Car	1.6720	10200.	73	20337	No
144	GOM_NL__2PRFIN20060119_195702_000000392044_00243_20337_7702.N1	19-JAN-2006 19:57:02	Dark	38.500	71	lot Car	2.2460	7700.0	77	20337	No
145	GOM_NL__2PRFIN20060119_195853_000000402044_00243_20337_7703.N1	19-JAN-2006 19:58:53	Dark	39.500	46	Del Vel	1.9540	10600.	79	20337	No
146	GOM_NL__2PRFIN20060119_200201_000000192044_00243_20337_7704.N1	19-JAN-2006 20:02:01	Dark	18.500	2	Alp Car	-0.73600	7000.0	37	20337	Yes
147	GOM_NL__2PRFIN20060119_200910_000000392044_00243_20337_7705.N1	19-JAN-2006 20:09:10	Straylight	38.500	179	24Omi2Cma	3.0320	24000.	77	20337	No
148	GOM_NL__2PRFIN20060119_201121_000000442044_00243_20337_7706.N1	19-JAN-2006 20:11:21	Straylight	43.500	1	9Alp Cma	-1.4400	11000.	87	20337	No
149	GOM_NL__2PRFIN20060119_201352_000000422044_00243_20337_7707.N1	19-JAN-2006 20:13:52	Straylight	41.500	56	53Kap Ori	2.0650	30000.	83	20337	No
150	GOM_NL__2PRFIN20060119_201621_000000402044_00243_20337_7708.N1	19-JAN-2006 20:16:21	Twilight	39.500	30	46Eps Ori	1.6940	30000.	79	20337	No
151	GOM_NL__2PRFIN20060119_201831_000000482044_00243_20337_7709.N1	19-JAN-2006 20:18:31	Twilight	47.500	14	58Alp Ori	0.87000	3000.0	95	20337	No
152	GOM_NL__2PRFIN20060119_202050_000000442044_00243_20337_7710.N1	19-JAN-2006 20:20:50	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	20337	No
153	GOM_NL__2PRFIN20060119_202234_000000392044_00243_20337_7711.N1	19-JAN-2006 20:22:34	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20337	No
154	GOM_NL__2PRFIN20060119_202439_000000382044_00243_20337_7712.N1	19-JAN-2006 20:24:39	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	20337	No
155	GOM_NL__2PRFIN20060119_202645_000000352044_00243_20337_7713.N1	19-JAN-2006 20:26:45	Bright	35.000	107	37The Aur	2.6490	11000.	70	20337	No
156	GOM_NL__2PRFIN20060119_202855_000000352044_00243_20337_7714.N1	19-JAN-2006 20:28:55	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	20337	No
157	GOM_NL__2PRFIN20060119_204129_000000362044_00243_20337_7715.N1	19-JAN-2006 20:41:29	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	20337	No
158	GOM_NL__2PRFIN20060119_205225_000000362044_00243_20337_7716.N1	19-JAN-2006 20:52:25	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20337	No
159	GOM_NL__2PRFIN20060119_205540_000000372044_00243_20337_7717.N1	19-JAN-2006 20:55:40	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	20337	No
160	GOM_NL__2PRFIN20060119_210338_000000342044_00243_20337_7718.N1	19-JAN-2006 21:03:38	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20337	No

161	GOM_NL__2PRFIN20060119_210544_000000332044_00243_20337_7719.N1	19-JAN-2006 21:05:44	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	20337	No
162	GOM_NL__2PRFIN20060119_211108_000000392044_00243_20337_7720.N1	19-JAN-2006 21:11:08	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	20337	No
163	GOM_NL__2PRFIN20060119_211537_000000532044_00243_20337_7721.N1	19-JAN-2006 21:15:37	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	20337	No
164	GOM_NL__2PRFIN20060119_211711_000000452044_00243_20337_7722.N1	19-JAN-2006 21:17:11	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	20337	No
165	GOM_NL__2PRFIN20060119_212101_000000392044_00243_20337_7723.N1	19-JAN-2006 21:21:01	Dark	39.000	131	Gam Lup	2.8000	26000.	78	20337	No
166	GOM_NL__2PRFIN20060119_212645_000000452044_00244_20338_7700.N1	19-JAN-2006 21:26:45	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	20338	No
167	GOM_NL__2PRFIN20060119_213535_000000382044_00244_20338_7701.N1	19-JAN-2006 21:35:35	Dark	38.000	29	Bet Car	1.6720	10200.	76	20338	No
168	GOM_NL__2PRFIN20060119_213739_000000392044_00244_20338_7702.N1	19-JAN-2006 21:37:39	Dark	38.500	71	lot Car	2.2460	7700.0	77	20338	No
169	GOM_NL__2PRFIN20060119_213929_000000422044_00244_20338_7703.N1	19-JAN-2006 21:39:29	Dark	41.500	46	Del Vel	1.9540	10600.	83	20338	No
170	GOM_NL__2PRFIN20060119_214209_000000412044_00244_20338_7704.N1	19-JAN-2006 21:42:09	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	20338	No
171	GOM_NL__2PRFIN20060119_214417_000000432044_00244_20338_7705.N1	19-JAN-2006 21:44:17	Dark	42.500	70	Zet Pup	2.2460	39000.	85	20338	No
172	GOM_NL__2PRFIN20060119_214551_000000422044_00244_20338_7706.N1	19-JAN-2006 21:45:51	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	20338	No
173	GOM_NL__2PRFIN20060119_214822_000000412044_00244_20338_7707.N1	19-JAN-2006 21:48:22	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	20338	No
174	GOM_NL__2PRFIN20060119_214946_000000392044_00244_20338_7708.N1	19-JAN-2006 21:49:46	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	20338	No
175	GOM_NL__2PRFIN20060119_215157_000000442044_00244_20338_7709.N1	19-JAN-2006 21:51:57	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	20338	No
176	GOM_NL__2PRFIN20060119_215428_000000392044_00244_20338_7710.N1	19-JAN-2006 21:54:28	Straylight	39.000	56	53Kap Ori	2.0650	30000.	78	20338	No
177	GOM_NL__2PRFIN20060119_215657_000000412044_00244_20338_7711.N1	19-JAN-2006 21:56:57	Tw_i_and_stray	41.000	30	46Eps Ori	1.6940	30000.	82	20338	No
178	GOM_NL__2PRFIN20060119_215907_000000472044_00244_20338_7712.N1	19-JAN-2006 21:59:07	Tw_i_and_stray	47.000	14	58Alp Ori	0.87000	3000.0	94	20338	No
179	GOM_NL__2PRFIN20060119_220126_000000482044_00244_20338_7713.N1	19-JAN-2006 22:01:26	Bright	47.500	44	24Gam Gem	1.9280	11000.	95	20338	No
180	GOM_NL__2PRFIN20060119_220310_000000382044_00244_20338_7714.N1	19-JAN-2006 22:03:10	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	20338	No
181	GOM_NL__2PRFIN20060119_220515_000000372044_00244_20338_7715.N1	19-JAN-2006 22:05:15	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	20338	No
182	GOM_NL__2PRFIN20060119_220721_000000362044_00244_20338_7716.N1	19-JAN-2006 22:07:21	Bright	35.500	107	37The Aur	2.6490	11000.	71	20338	No
183	GOM_NL__2PRFIN20060119_220931_000000362044_00244_20338_7717.N1	19-JAN-2006 22:09:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20338	No
184	GOM_NL__2PRFIN20060119_222205_000000372044_00244_20338_7718.N1	19-JAN-2006 22:22:05	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	20338	No
185	GOM_NL__2PRFIN20060119_223301_000000372044_00244_20338_7719.N1	19-JAN-2006 22:33:01	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	20338	No
186	GOM_NL__2PRFIN20060119_223616_000000332044_00244_20338_7720.N1	19-JAN-2006 22:36:16	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20338	No
187	GOM_NL__2PRFIN20060119_224414_000000342044_00244_20338_7721.N1	19-JAN-2006 22:44:14	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20338	No
188	GOM_NL__2PRFIN20060119_224620_000000342044_00244_20338_7722.N1	19-JAN-2006 22:46:20	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20338	No
189	GOM_NL__2PRFIN20060119_225144_000000422044_00244_20338_7723.N1	19-JAN-2006 22:51:44	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	20338	No
190	GOM_NL__2PRFIN20060119_225613_000000512044_00244_20338_7724.N1	19-JAN-2006 22:56:13	Twilight	50.500	16	21Alp Sco	1.0200	3000.0	101	20338	No
191	GOM_NL__2PRFIN20060119_225747_000000402044_00244_20338_7725.N1	19-JAN-2006 22:57:47	Twilight	39.500	75	26Eps Sco	2.2910	4250.0	79	20338	No
192	GOM_NL__2PRFIN20060119_230138_000000392044_00244_20338_7726.N1	19-JAN-2006 23:01:38	Dark	38.500	131	Gam Lup	2.8000	26000.	77	20338	No
193	GOM_NL__2PRFIN20060119_230722_000000542044_00245_20339_7700.N1	19-JAN-2006 23:07:22	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	20339	No
194	GOM_NL__2PRFIN20060119_231611_000000382044_00245_20339_7701.N1	19-JAN-2006 23:16:11	Dark	38.000	29	Bet Car	1.6720	10200.	76	20339	No
195	GOM_NL__2PRFIN20060119_231815_000000422044_00245_20339_7702.N1	19-JAN-2006 23:18:15	Dark	42.000	71	lot Car	2.2460	7700.0	84	20339	No
196	GOM_NL__2PRFIN20060119_232005_000000432044_00245_20339_7703.N1	19-JAN-2006 23:20:05	Dark	43.000	46	Del Vel	1.9540	10600.	86	20339	No
197	GOM_NL__2PRFIN20060119_232245_000000402044_00245_20339_7704.N1	19-JAN-2006 23:22:45	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	20339	No
198	GOM_NL__2PRFIN20060119_232453_000000412044_00245_20339_7705.N1	19-JAN-2006 23:24:53	Dark	40.500	70	Zet Pup	2.2460	39000.	81	20339	No
199	GOM_NL__2PRFIN20060119_232627_000000432044_00245_20339_7706.N1	19-JAN-2006 23:26:27	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	20339	No
200	GOM_NL__2PRFIN20060119_232858_000000422044_00245_20339_7707.N1	19-JAN-2006 23:28:58	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	20339	No
201	GOM_NL__2PRFIN20060119_233022_000000392044_00245_20339_7708.N1	19-JAN-2006 23:30:22	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	20339	No
202	GOM_NL__2PRFIN20060119_233233_000000442044_00245_20339_7709.N1	19-JAN-2006 23:32:33	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	20339	No
203	GOM_NL__2PRFIN20060119_233504_000000402044_00245_20339_7710.N1	19-JAN-2006 23:35:04	Straylight	39.500	56	53Kap Ori	2.0650	30000.	79	20339	No
204	GOM_NL__2PRFIN20060119_233733_000000412044_00245_20339_7711.N1	19-JAN-2006 23:37:33	Tw_i_and_stray	41.000	30	46Eps Ori	1.6940	30000.	82	20339	No
205	GOM_NL__2PRFIN20060119_233943_000000492044_00245_20339_7712.N1	19-JAN-2006 23:39:43	Tw_i_and_stray	49.000	14	58Alp Ori	0.87000	3000.0	98	20339	No
206	GOM_NL__2PRFIN20060119_234201_000000462044_00245_20339_7713.N1	19-JAN-2006 23:42:01	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	20339	No
207	GOM_NL__2PRFIN20060119_234346_000000392044_00245_20339_7714.N1	19-JAN-2006 23:43:46	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20339	No
208	GOM_NL__2PRFIN20060119_234551_000000372044_00245_20339_7715.N1	19-JAN-2006 23:45:51	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	20339	No
209	GOM_NL__2PRFIN20060119_234759_000000332044_00245_20339_7716.N1	19-JAN-2006 23:47:59	Bright	32.500	107	37The Aur	2.6490	11000.	65	20339	No
210	GOM_NL__2PRFIN20060119_235007_000000352044_00245_20339_7717.N1	19-JAN-2006 23:50:07	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	20339	No

3. Quality information per product

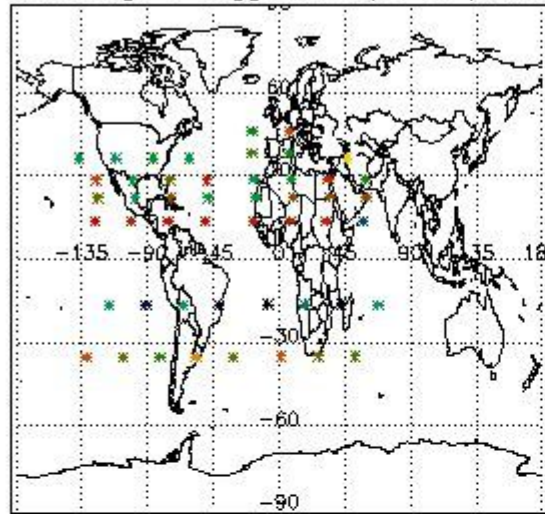
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

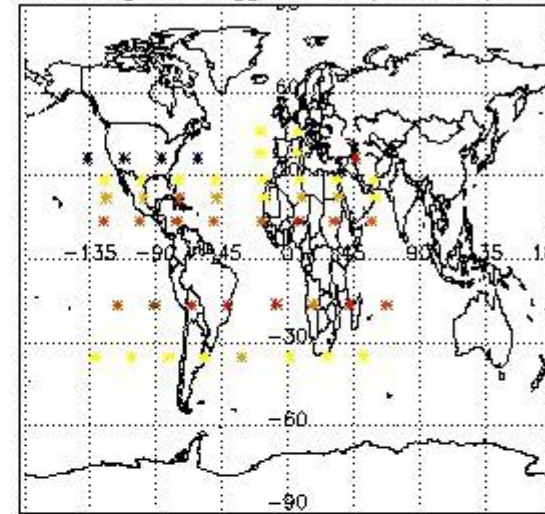


3.2 Plot quality information per product (world map)

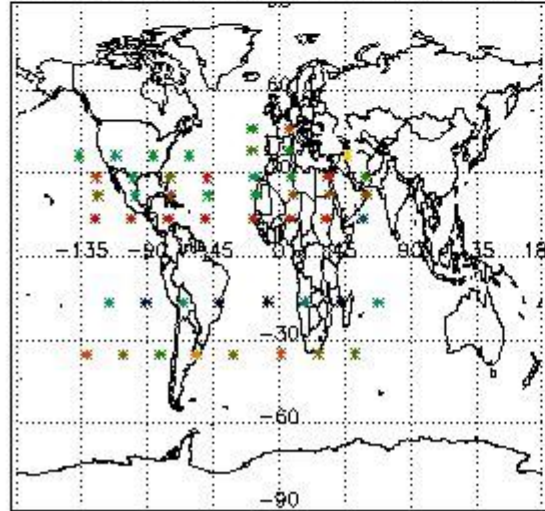
Percentage of flagged data per O3 profile



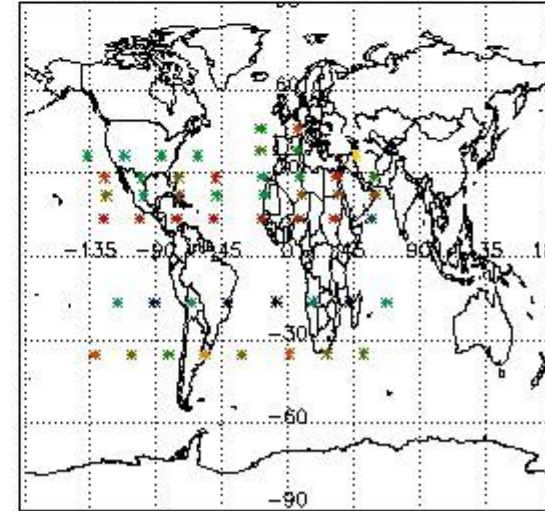
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

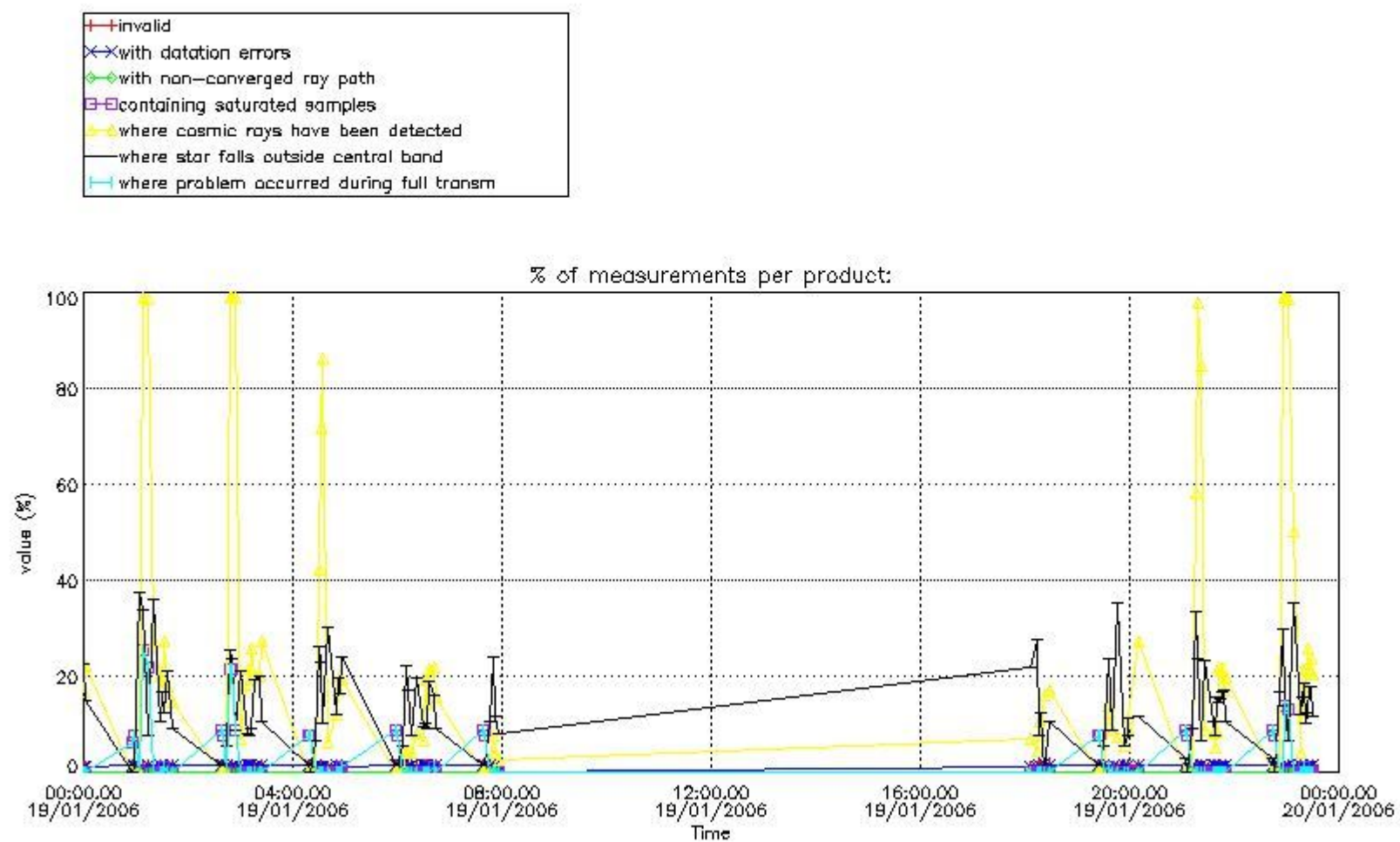


4. Level 1 quality information per product

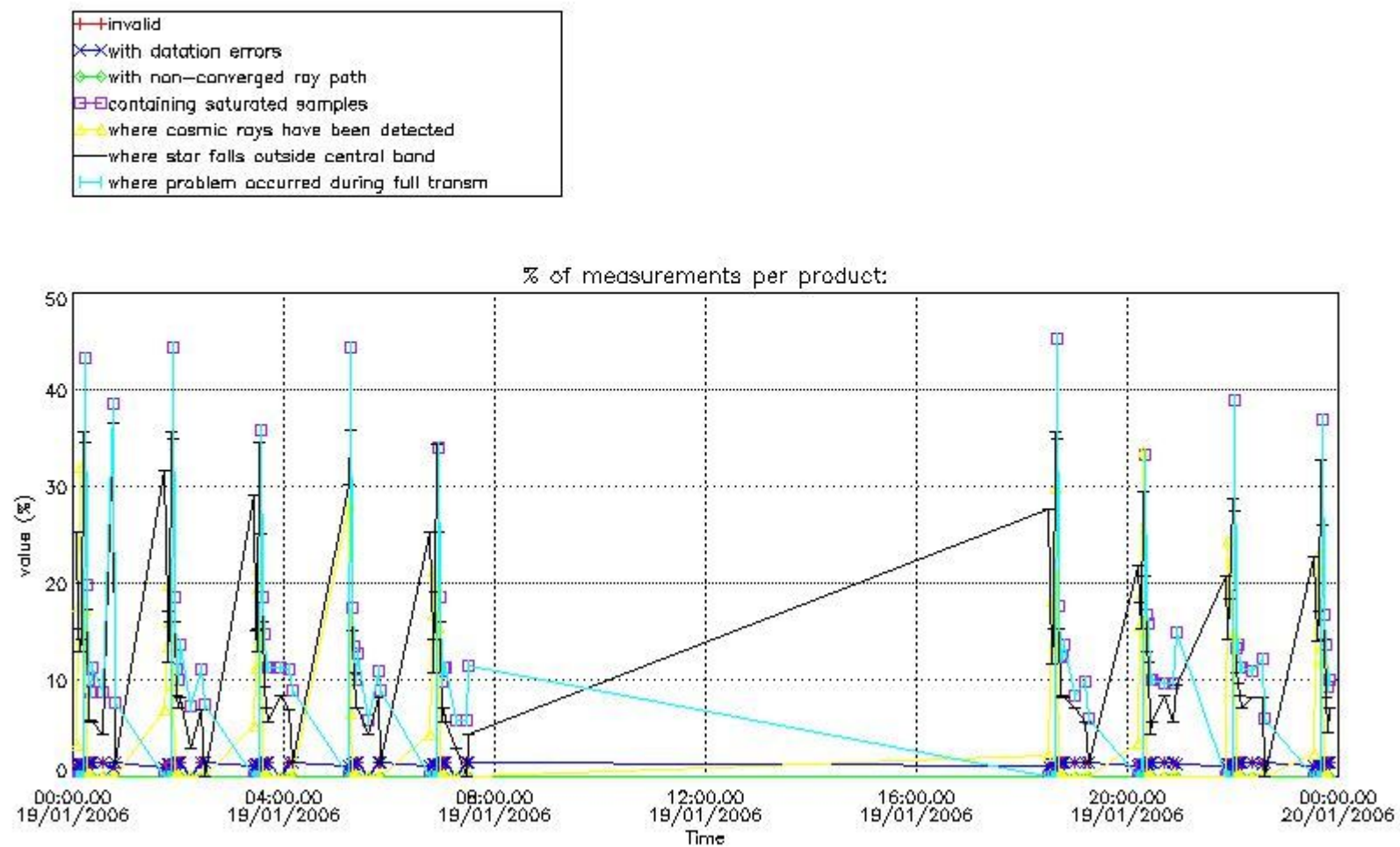
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



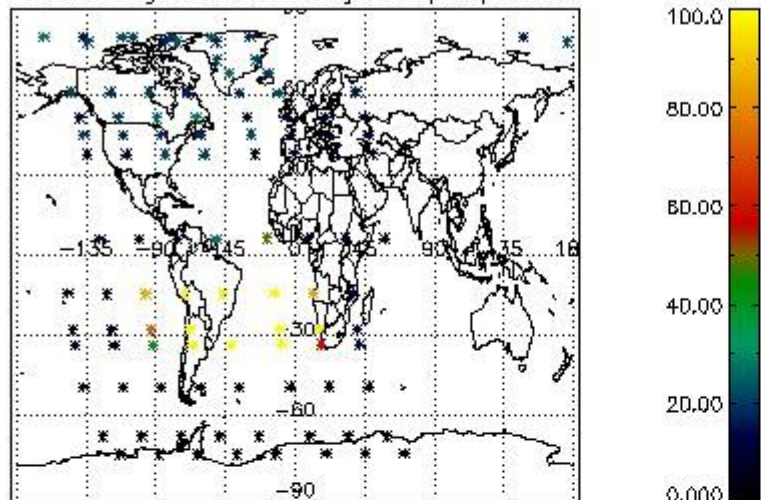
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



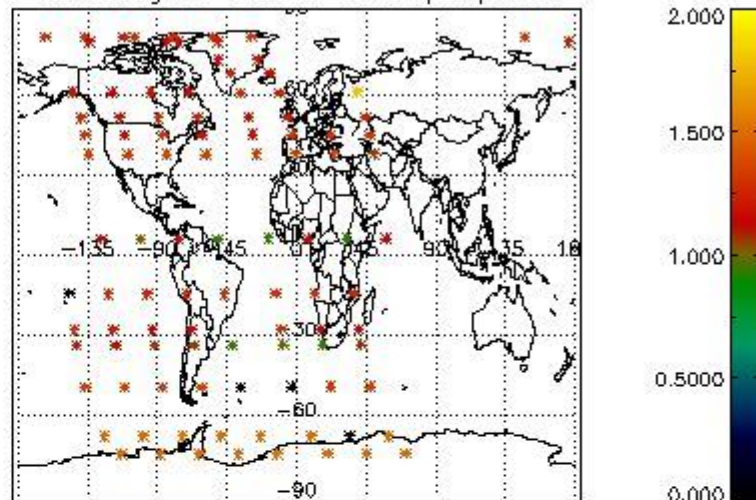
4.2 Plot quality information per product coming from level 1b processing (world map)

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

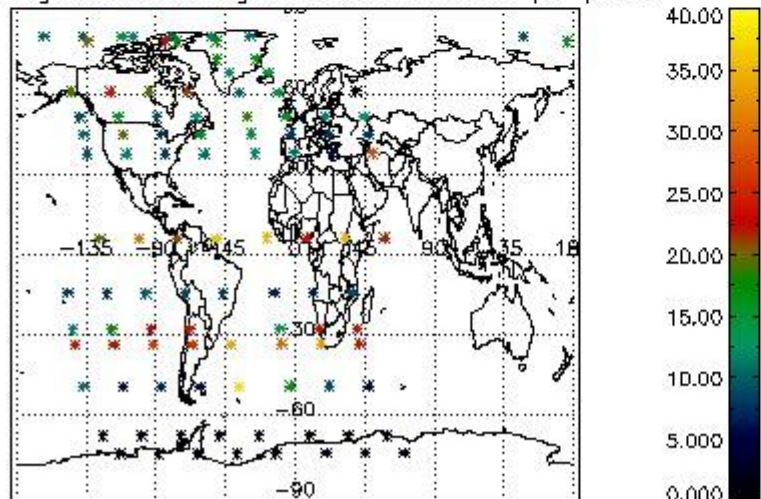
Percentage of cosmic ray hits per profile



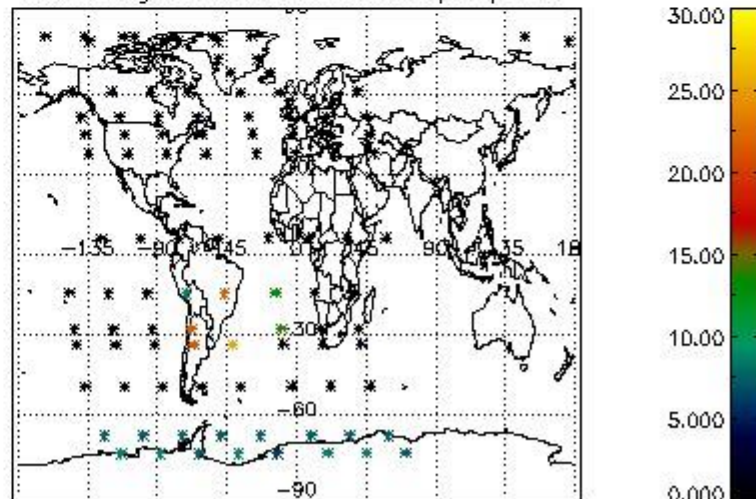
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

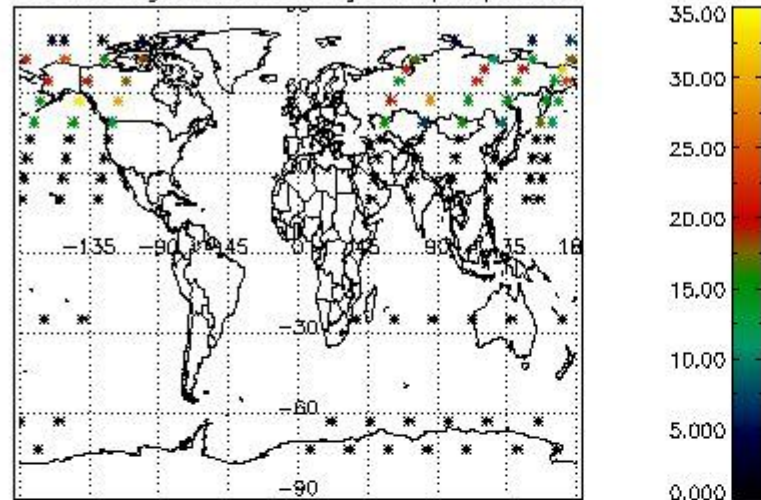


Percentage of saturation errors per profile

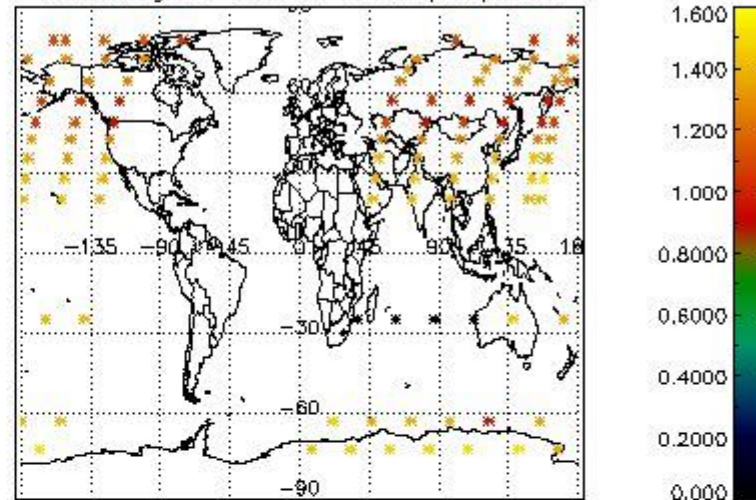


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

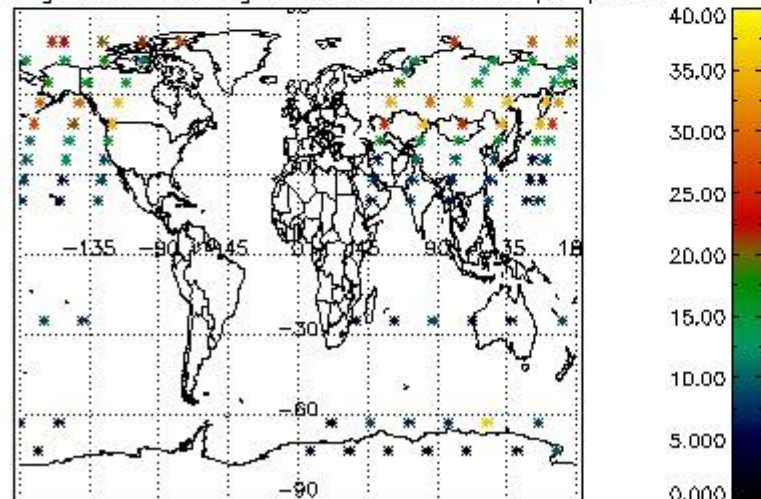
Percentage of cosmic ray hits per profile



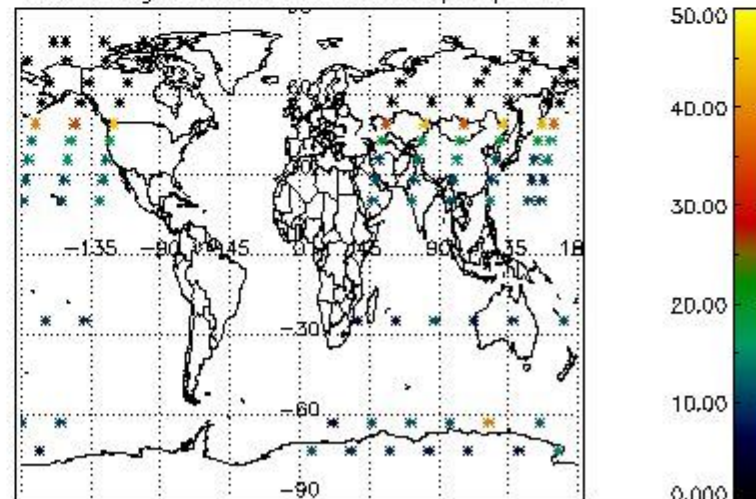
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

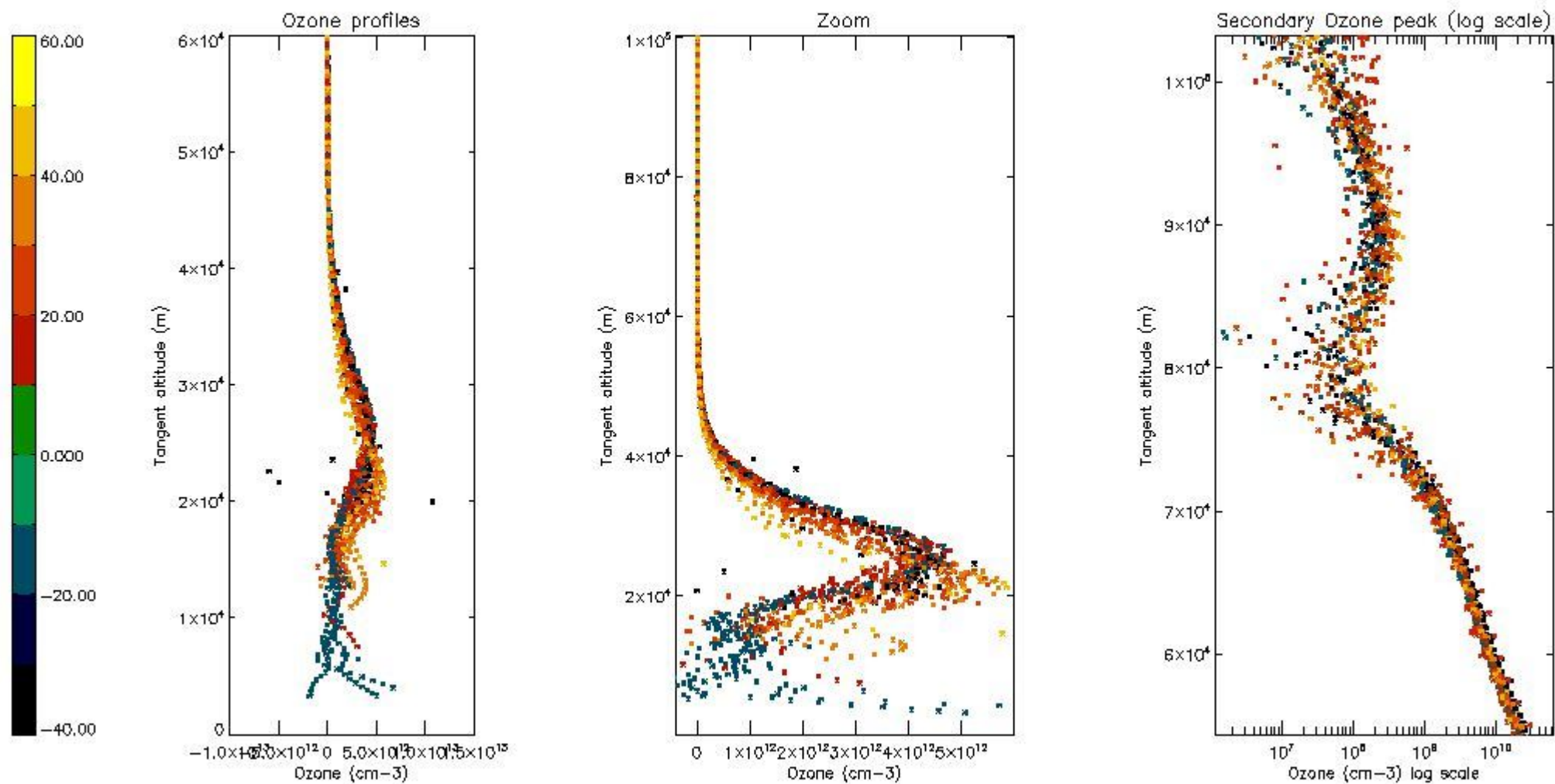
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	15

STD < 10	12
STD < 5	8

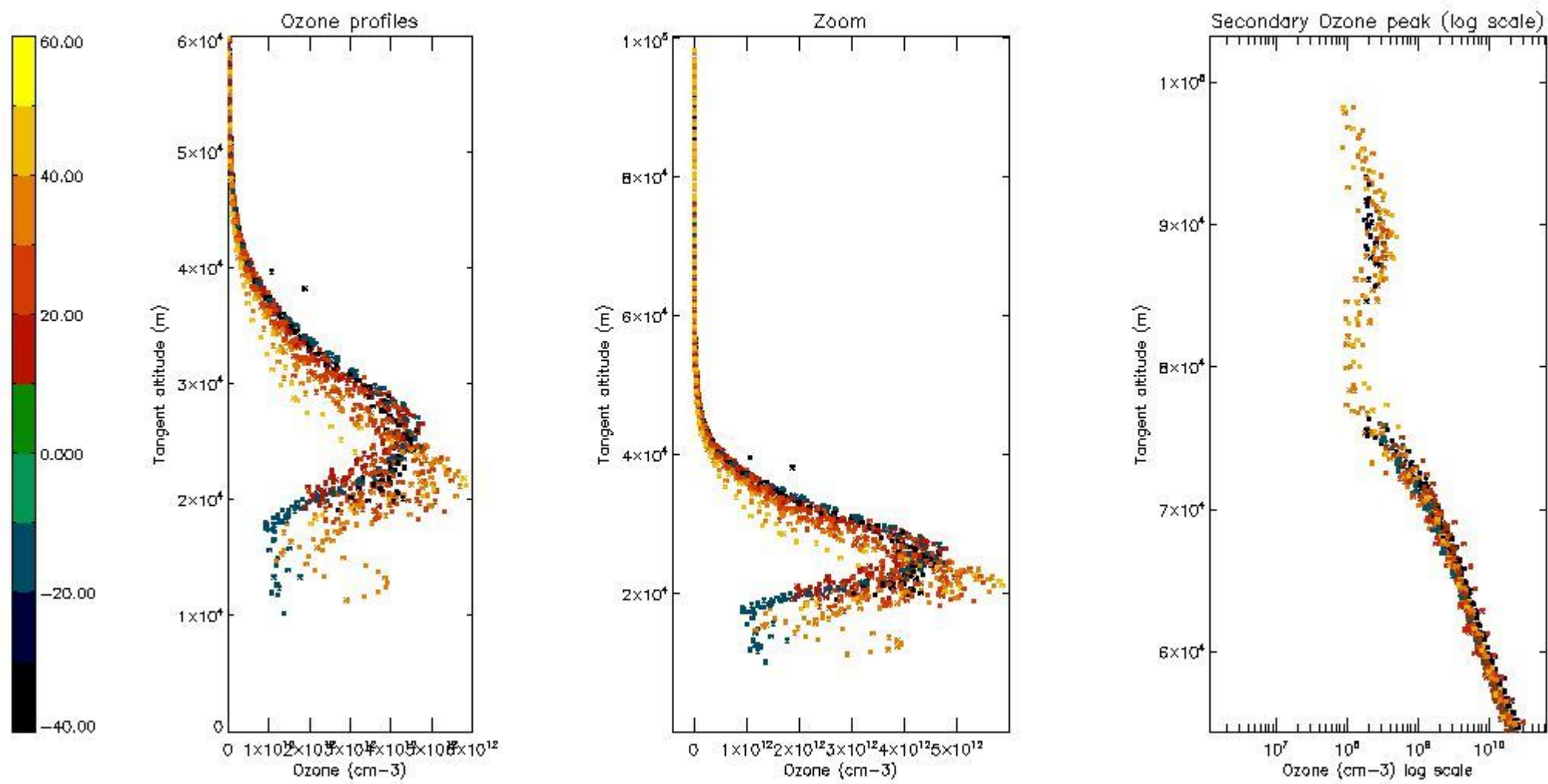
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



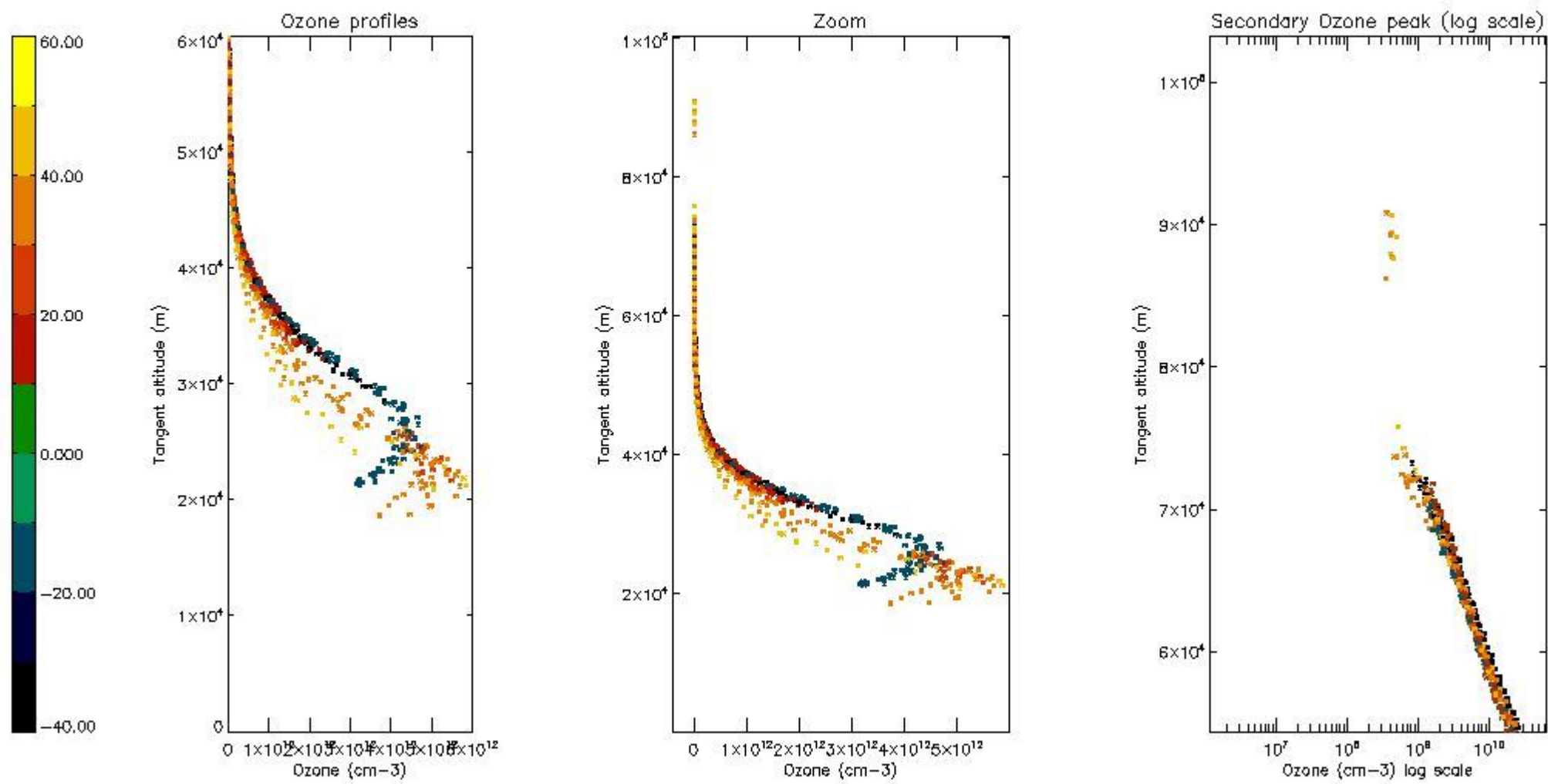
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



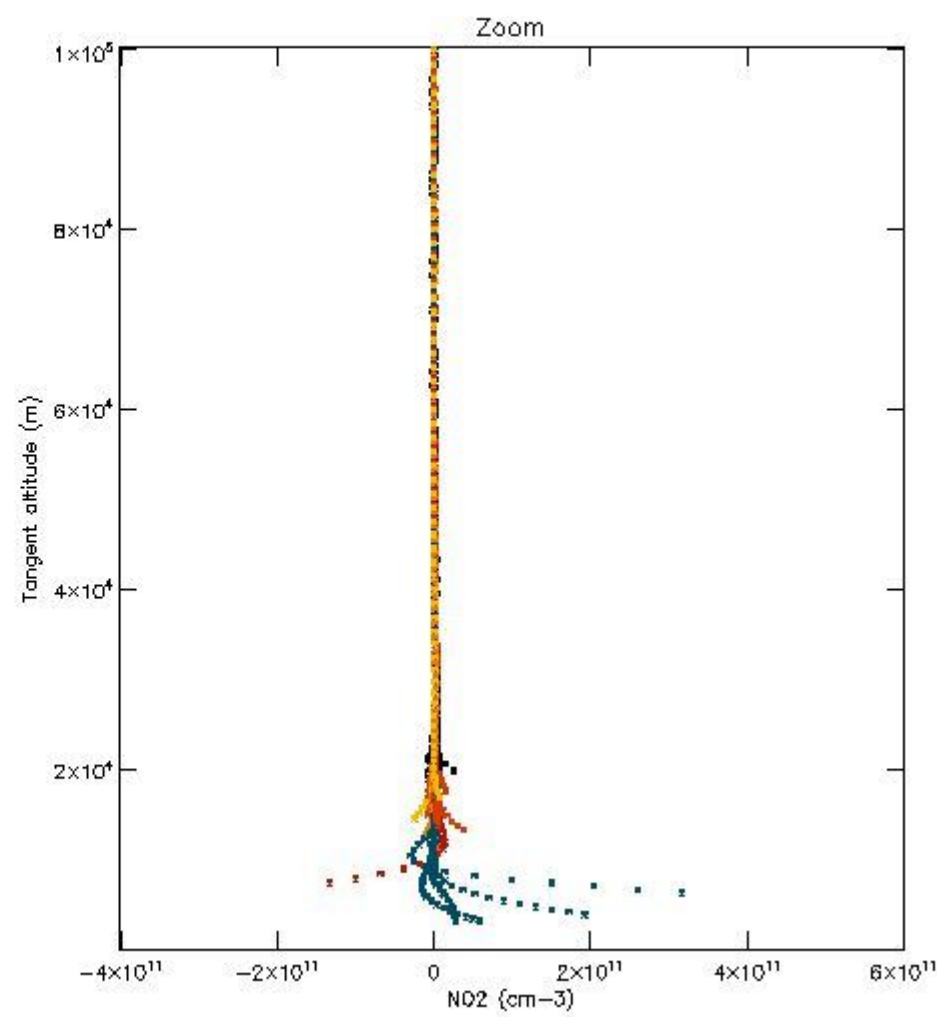
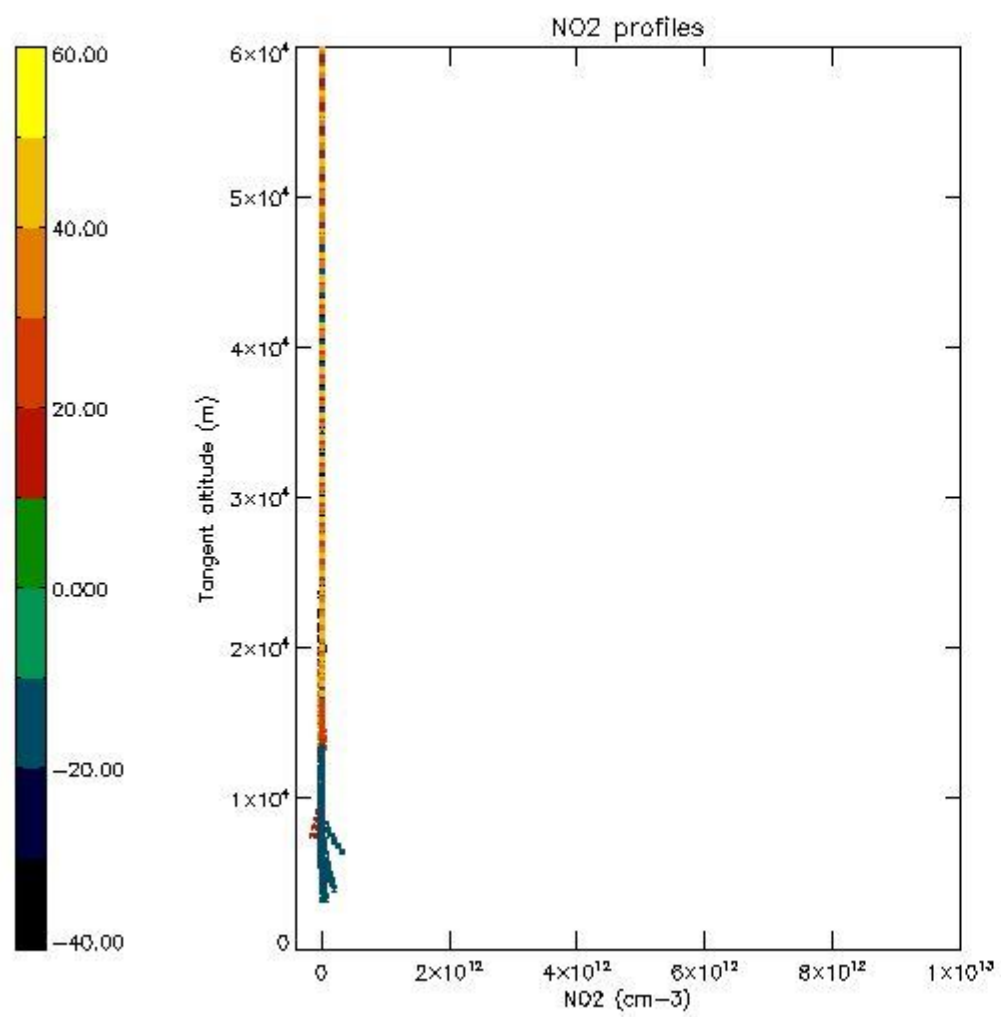
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



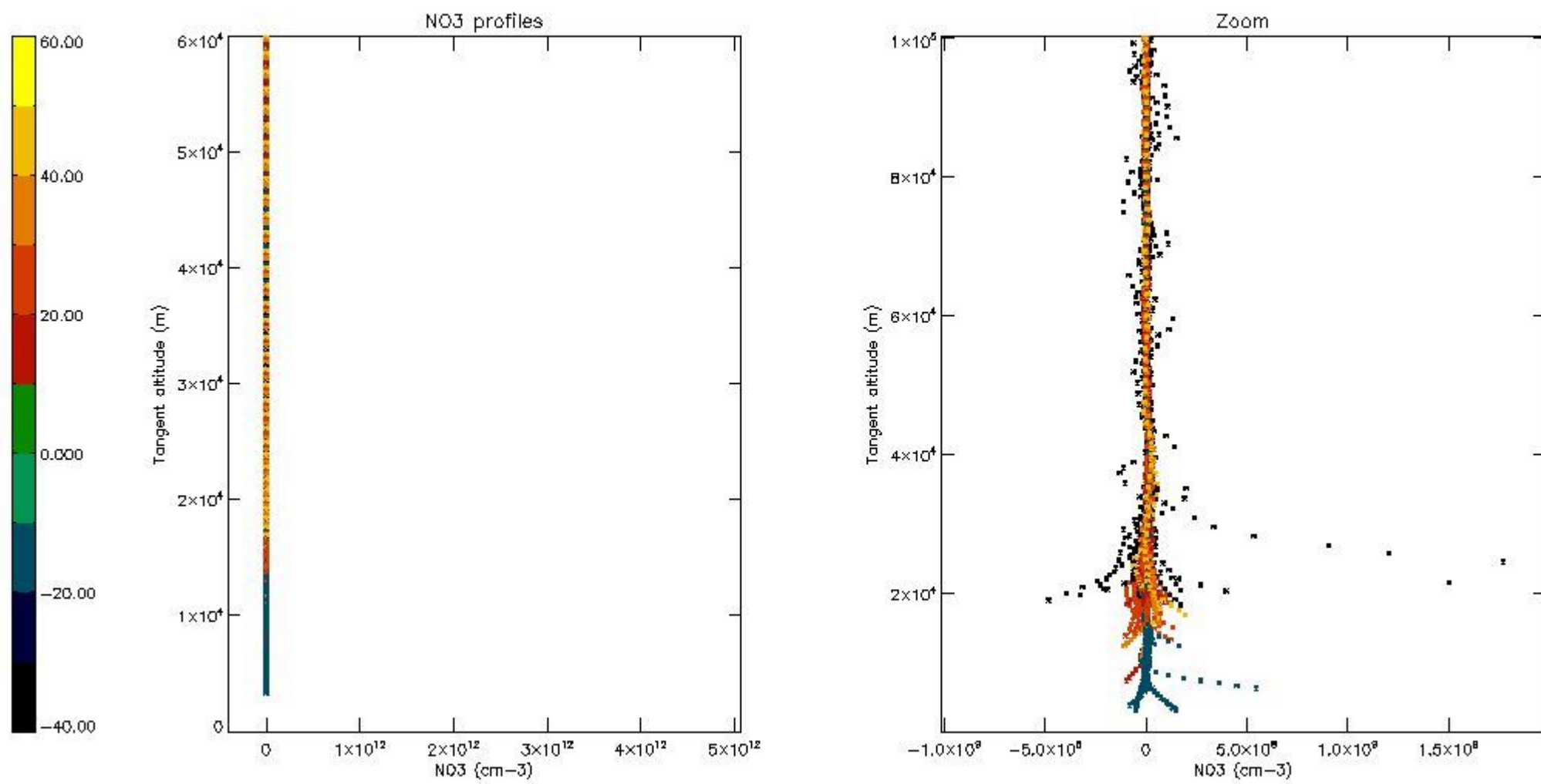
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



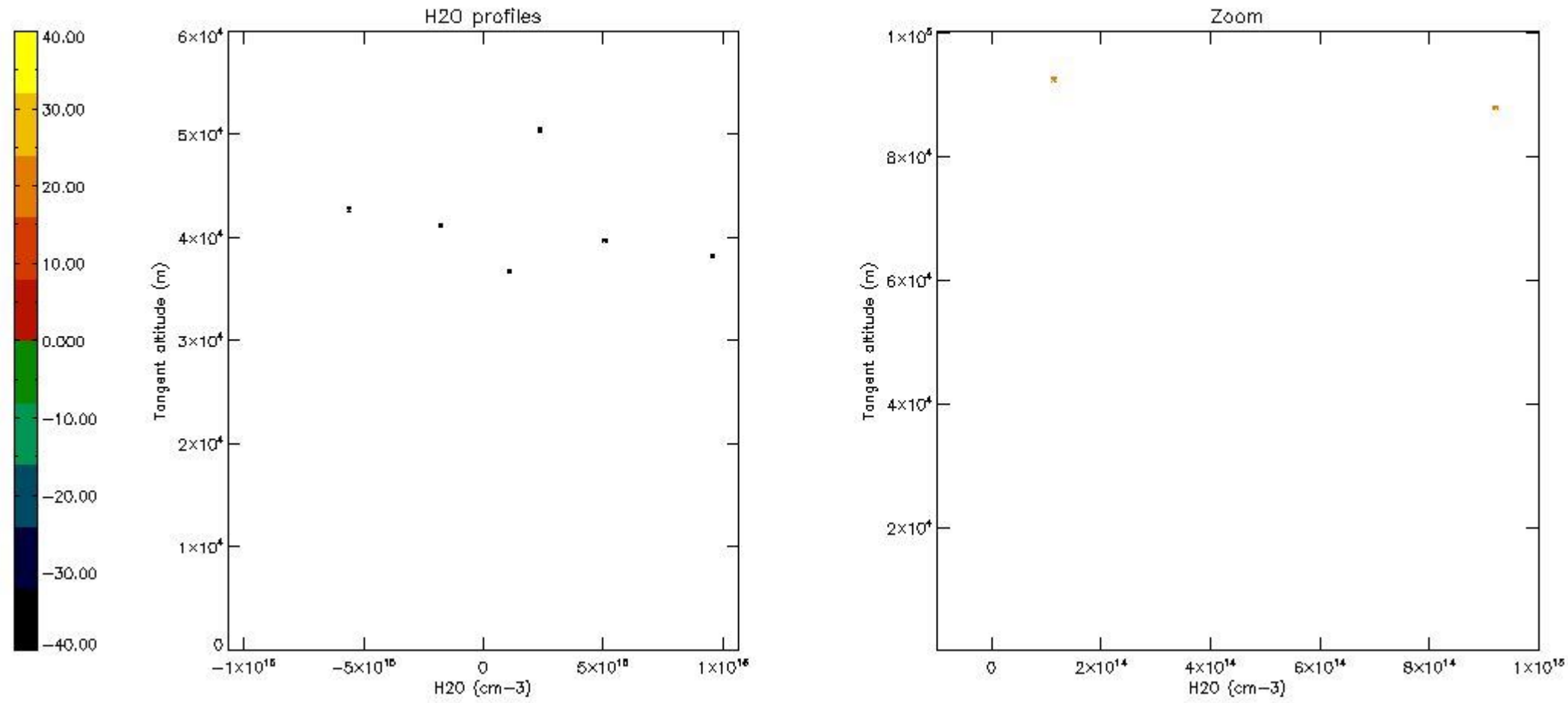
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-JAN-2006 00:00:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-JAN-2006 00:00:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-JAN-2006 00:00:32

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	22APR2013 14:37:28
Data source version	GOMOS/6.01
Start time of products	19-01-2006 (19JAN2006 00:00:00)
Stop time of products	20-01-2006 (20JAN2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	210
Nb of prods with errors	1

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__2PRFIN20060119_000032_000000452044_00231_20325_7684.N1	19-JAN-2006 00:00:32	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	20325	No
2	GOM_NL__2PRFIN20060119_000156_000000412044_00231_20325_7685.N1	19-JAN-2006 00:01:56	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	20325	No
3	GOM_NL__2PRFIN20060119_000408_000000462044_00231_20325_7686.N1	19-JAN-2006 00:04:08	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	20325	No
4	GOM_NL__2PRFIN20060119_000639_000000402044_00231_20325_7687.N1	19-JAN-2006 00:06:39	Straylight	39.500	56	53Kap Ori	2.0650	30000.	79	20325	No
5	GOM_NL__2PRFIN20060119_000750_000000392044_00231_20325_7688.N1	19-JAN-2006 00:07:50	Twilight	39.000	125	44Iot Ori	2.7700	30000.	78	20325	No
6	GOM_NL__2PRFIN20060119_000907_000000392044_00231_20325_7689.N1	19-JAN-2006 00:09:07	Twilight	39.000	30	46Eps Ori	1.6940	30000.	78	20325	No
7	GOM_NL__2PRFIN20060119_001117_000000522044_00231_20325_7690.N1	19-JAN-2006 00:11:17	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	20325	No
8	GOM_NL__2PRFIN20060119_001339_000000522044_00231_20325_7691.N1	19-JAN-2006 00:13:39	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	20325	No
9	GOM_NL__2PRFIN20060119_001523_000000412044_00231_20325_7692.N1	19-JAN-2006 00:15:23	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20325	No
10	GOM_NL__2PRFIN20060119_001726_000000352044_00231_20325_7693.N1	19-JAN-2006 00:17:26	Bright	35.000	28	12Bet Tau	1.6500	15200.	70	20325	No
11	GOM_NL__2PRFIN20060119_001933_000000352044_00231_20325_7694.N1	19-JAN-2006 00:19:33	Bright	34.500	107	37The Aur	2.6490	11000.	69	20325	No
12	GOM_NL__2PRFIN20060119_002144_000000362044_00231_20325_7695.N1	19-JAN-2006 00:21:44	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20325	No
13	GOM_NL__2PRFIN20060119_003418_000000352044_00231_20325_7696.N1	19-JAN-2006 00:34:18	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	20325	No
14	GOM_NL__2PRFIN20060119_004513_000000522044_00231_20325_7697.N1	19-JAN-2006 00:45:13	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	20325	No
15	GOM_NL__2PRFIN20060119_004826_000000332044_00231_20325_7698.N1	19-JAN-2006 00:48:26	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20325	No
16	GOM_NL__2PRFIN20060119_005624_000000332044_00231_20325_7699.N1	19-JAN-2006 00:56:24	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	20325	No
17	GOM_NL__2PRFIN20060119_005831_000000342044_00231_20325_7700.N1	19-JAN-2006 00:58:31	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20325	No
18	GOM_NL__2PRFIN20060119_010352_000000552044_00231_20325_7701.N1	19-JAN-2006 01:03:52	Bright	54.500	98	13Zet Oph	2.5710	30000.	109	20325	No
19	GOM_NL__2PRFIN20060119_010820_000000532044_00231_20325_7702.N1	19-JAN-2006 01:08:20	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	20325	No
20	GOM_NL__2PRFIN20060119_011343_000000392044_00231_20325_7703.N1	19-JAN-2006 01:13:43	Dark	39.000	131	Gam Lup	2.8000	26000.	78	20325	No
21	GOM_NL__2PRFIN20060119_011928_000000532044_00232_20326_7680.N1	19-JAN-2006 01:19:28	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	20326	No
22	GOM_NL__2PRFIN20060119_012821_000000382044_00232_20326_7681.N1	19-JAN-2006 01:28:21	Dark	37.500	29	Bet Car	1.6720	10200.	75	20326	No
23	GOM_NL__2PRFIN20060119_013023_000000422044_00232_20326_7682.N1	19-JAN-2006 01:30:23	Dark	42.000	71	Iot Car	2.2460	7700.0	84	20326	No
24	GOM_NL__2PRFIN20060119_013213_000000412044_00232_20326_7683.N1	19-JAN-2006 01:32:13	Dark	40.500	46	Del Vel	1.9540	10600.	81	20326	No
25	GOM_NL__2PRFIN20060119_013500_000000432044_00232_20326_7684.N1	19-JAN-2006 01:35:00	Dark	42.500	2	Alp Car	-0.73600	7000.0	85	20326	No
26	GOM_NL__2PRFIN20060119_014232_000000382044_00232_20326_7685.N1	19-JAN-2006 01:42:32	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20326	No
27	GOM_NL__2PRFIN20060119_014444_000000512044_00232_20326_7686.N1	19-JAN-2006 01:44:44	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	20326	No
28	GOM_NL__2PRFIN20060119_014715_000000412044_00232_20326_7687.N1	19-JAN-2006 01:47:15	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	20326	No
29	GOM_NL__2PRFIN20060119_014826_000000382044_00232_20326_7688.N1	19-JAN-2006 01:48:26	Twilight	38.000	125	44Iot Ori	2.7700	30000.	76	20326	No
30	GOM_NL__2PRFIN20060119_014944_000000412044_00232_20326_7689.N1	19-JAN-2006 01:49:44	Twilight	40.500	30	46Eps Ori	1.6940	30000.	81	20326	No
31	GOM_NL__2PRFIN20060119_015153_000000522044_00232_20326_7690.N1	19-JAN-2006 01:51:53	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	20326	No
32	GOM_NL__2PRFIN20060119_015415_000000532044_00232_20326_7691.N1	19-JAN-2006 01:54:15	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	20326	No
33	GOM_NL__2PRFIN20060119_015559_000000412044_00232_20326_7692.N1	19-JAN-2006 01:55:59	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20326	No
34	GOM_NL__2PRFIN20060119_015802_000000362044_00232_20326_7693.N1	19-JAN-2006 01:58:02	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20326	No
35	GOM_NL__2PRFIN20060119_020010_000000352044_00232_20326_7694.N1	19-JAN-2006 02:00:10	Bright	35.000	107	37The Aur	2.6490	11000.	70	20326	No
36	GOM_NL__2PRFIN20060119_020220_000000372044_00232_20326_7695.N1	19-JAN-2006 02:02:20	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20326	No
37	GOM_NL__2PRFIN20060119_021453_000000342044_00232_20326_7696.N1	19-JAN-2006 02:14:53	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	20326	No
38	GOM_NL__2PRFIN20060119_022549_000000362044_00232_20326_7697.N1	19-JAN-2006 02:25:49	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20326	No
39	GOM_NL__2PRFIN20060119_022902_000000342044_00232_20326_7698.N1	19-JAN-2006 02:29:02	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	20326	No
40	GOM_NL__2PRFIN20060119_023700_000000342044_00232_20326_7699.N1	19-JAN-2006 02:37:00	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20326	No
41	GOM_NL__2PRFIN20060119_023907_000000342044_00232_20326_7700.N1	19-JAN-2006 02:39:07	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20326	No
42	GOM_NL__2PRFIN20060119_024428_000000372044_00232_20326_7701.N1	19-JAN-2006 02:44:28	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	20326	No

43	GOM_NL__2PRFIN20060119_024856_000000472044_00232_20326_7702.N1	19-JAN-2006 02:48:56	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	20326	No
44	GOM_NL__2PRFIN20060119_025032_000000452044_00232_20326_7703.N1	19-JAN-2006 02:50:32	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	20326	No
45	GOM_NL__2PRFIN20060119_025419_000000402044_00232_20326_7704.N1	19-JAN-2006 02:54:19	Dark	39.500	131	Gam Lup	2.8000	26000.	79	20326	No
46	GOM_NL__2PRFIN20060119_030005_000000432044_00233_20327_7680.N1	19-JAN-2006 03:00:05	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	20327	No
47	GOM_NL__2PRFIN20060119_030857_000000372044_00233_20327_7681.N1	19-JAN-2006 03:08:57	Dark	37.000	29	Bet Car	1.6720	10200.	74	20327	No
48	GOM_NL__2PRFIN20060119_031059_000000392044_00233_20327_7682.N1	19-JAN-2006 03:10:59	Dark	38.500	71	lot Car	2.2460	7700.0	77	20327	No
49	GOM_NL__2PRFIN20060119_031250_000000392044_00233_20327_7683.N1	19-JAN-2006 03:12:50	Dark	39.000	46	Del Vel	1.9540	10600.	78	20327	No
50	GOM_NL__2PRFIN20060119_031536_000000422044_00233_20327_7684.N1	19-JAN-2006 03:15:36	Dark	41.500	2	Alp Car	-0.73600	7000.0	83	20327	No
51	GOM_NL__2PRFIN20060119_032144_000000432044_00233_20327_7685.N1	19-JAN-2006 03:21:44	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	20327	No
52	GOM_NL__2PRFIN20060119_032309_000000392044_00233_20327_7686.N1	19-JAN-2006 03:23:09	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	20327	No
53	GOM_NL__2PRFIN20060119_032520_000000482044_00233_20327_7687.N1	19-JAN-2006 03:25:20	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	20327	No
54	GOM_NL__2PRFIN20060119_032751_000000402044_00233_20327_7688.N1	19-JAN-2006 03:27:51	Straylight	40.000	56	53Kap Ori	2.0650	30000.	80	20327	No
55	GOM_NL__2PRFIN20060119_032902_000000392044_00233_20327_7689.N1	19-JAN-2006 03:29:02	Tw_i_and_stray	38.500	125	44lot Ori	2.7700	30000.	77	20327	No
56	GOM_NL__2PRFIN20060119_033020_000000402044_00233_20327_7690.N1	19-JAN-2006 03:30:20	Tw_i_and_stray	39.500	30	46Eps Ori	1.6940	30000.	79	20327	No
57	GOM_NL__2PRFIN20060119_033230_000000522044_00233_20327_7691.N1	19-JAN-2006 03:32:30	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	20327	No
58	GOM_NL__2PRFIN20060119_033451_000000462044_00233_20327_7692.N1	19-JAN-2006 03:34:51	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	20327	No
59	GOM_NL__2PRFIN20060119_033635_000000412044_00233_20327_7693.N1	19-JAN-2006 03:36:35	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20327	No
60	GOM_NL__2PRFIN20060119_033838_000000382044_00233_20327_7694.N1	19-JAN-2006 03:38:38	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	20327	No
61	GOM_NL__2PRFIN20060119_034046_000000362044_00233_20327_7695.N1	19-JAN-2006 03:40:46	Bright	35.500	107	37The Aur	2.6490	11000.	71	20327	No
62	GOM_NL__2PRFIN20060119_034256_000000362044_00233_20327_7696.N1	19-JAN-2006 03:42:56	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20327	No
63	GOM_NL__2PRFIN20060119_035529_000000362044_00233_20327_7697.N1	19-JAN-2006 03:55:29	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20327	No
64	GOM_NL__2PRFIN20060119_040625_000000362044_00233_20327_7698.N1	19-JAN-2006 04:06:25	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20327	No
65	GOM_NL__2PRFIN20060119_040938_000000342044_00233_20327_7699.N1	19-JAN-2006 04:09:38	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	20327	No
66	GOM_NL__2PRFIN20060119_041736_000000342044_00233_20327_7700.N1	19-JAN-2006 04:17:36	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	20327	No
67	GOM_NL__2PRFIN20060119_041943_000000332044_00233_20327_7701.N1	19-JAN-2006 04:19:43	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	20327	No
68	GOM_NL__2PRFIN20060119_042504_000000382044_00233_20327_7702.N1	19-JAN-2006 04:25:04	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	20327	No
69	GOM_NL__2PRFIN20060119_042933_000000482044_00233_20327_7703.N1	19-JAN-2006 04:29:33	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	20327	No
70	GOM_NL__2PRFIN20060119_043108_000000442044_00233_20327_7704.N1	19-JAN-2006 04:31:08	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	20327	No
71	GOM_NL__2PRFIN20060119_043456_000000402044_00233_20327_7705.N1	19-JAN-2006 04:34:56	Dark	40.000	131	Gam Lup	2.8000	26000.	80	20327	No
72	GOM_NL__2PRFIN20060119_044041_000000502044_00234_20328_7700.N1	19-JAN-2006 04:40:41	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	20328	No
73	GOM_NL__2PRFIN20060119_044933_000000382044_00234_20328_7701.N1	19-JAN-2006 04:49:33	Dark	38.000	29	Bet Car	1.6720	10200.	76	20328	No
74	GOM_NL__2PRFIN20060119_045135_000000442044_00234_20328_7702.N1	19-JAN-2006 04:51:35	Dark	43.500	71	lot Car	2.2460	7700.0	87	20328	No
75	GOM_NL__2PRFIN20060119_045326_000000432044_00234_20328_7703.N1	19-JAN-2006 04:53:26	Dark	42.500	46	Del Vel	1.9540	10600.	85	20328	No
76	GOM_NL__2PRFIN20060119_045612_000000442044_00234_20328_7704.N1	19-JAN-2006 04:56:12	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	20328	No
77	GOM_NL__2PRFIN20060119_051306_000000482044_00234_20328_7705.N1	19-JAN-2006 05:13:06	Tw_i_and_stray	48.000	14	58Alp Ori	0.87000	3000.0	96	20328	No
78	GOM_NL__2PRFIN20060119_051526_000000532044_00234_20328_7706.N1	19-JAN-2006 05:15:26	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	20328	No
79	GOM_NL__2PRFIN20060119_051711_000000402044_00234_20328_7707.N1	19-JAN-2006 05:17:11	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20328	No
80	GOM_NL__2PRFIN20060119_051914_000000372044_00234_20328_7708.N1	19-JAN-2006 05:19:14	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20328	No
81	GOM_NL__2PRFIN20060119_052122_000000352044_00234_20328_7709.N1	19-JAN-2006 05:21:22	Bright	35.000	107	37The Aur	2.6490	11000.	70	20328	No
82	GOM_NL__2PRFIN20060119_052332_000000362044_00234_20328_7710.N1	19-JAN-2006 05:23:32	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20328	No
83	GOM_NL__2PRFIN20060119_053605_000000342044_00234_20328_7711.N1	19-JAN-2006 05:36:05	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	20328	No
84	GOM_NL__2PRFIN20060119_054701_000000372044_00234_20328_7712.N1	19-JAN-2006 05:47:01	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	20328	No
85	GOM_NL__2PRFIN20060119_055015_000000342044_00234_20328_7713.N1	19-JAN-2006 05:50:15	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	20328	No
86	GOM_NL__2PRFIN20060119_055812_000000342044_00234_20328_7714.N1	19-JAN-2006 05:58:12	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20328	No
87	GOM_NL__2PRFIN20060119_060019_000000342044_00234_20328_7715.N1	19-JAN-2006 06:00:19	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20328	No
88	GOM_NL__2PRFIN20060119_060541_000000372044_00234_20328_7716.N1	19-JAN-2006 06:05:41	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	20328	No
89	GOM_NL__2PRFIN20060119_061009_000000452044_00234_20328_7717.N1	19-JAN-2006 06:10:09	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	20328	No
90	GOM_NL__2PRFIN20060119_061145_000000412044_00234_20328_7718.N1	19-JAN-2006 06:11:45	Twilight	41.000	75	26Eps Sco	2.2910	4250.0	82	20328	No
91	GOM_NL__2PRFIN20060119_061532_000000392044_00234_20328_7719.N1	19-JAN-2006 06:15:32	Dark	39.000	131	Gam Lup	2.8000	26000.	78	20328	No
92	GOM_NL__2PRFIN20060119_062118_000000442044_00235_20329_7700.N1	19-JAN-2006 06:21:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	20329	No
93	GOM_NL__2PRFIN20060119_063009_000000382044_00235_20329_7701.N1	19-JAN-2006 06:30:09	Dark	37.500	29	Bet Car	1.6720	10200.	75	20329	No
94	GOM_NL__2PRFIN20060119_063212_000000392044_00235_20329_7702.N1	19-JAN-2006 06:32:12	Dark	39.000	71	lot Car	2.2460	7700.0	78	20329	No
95	GOM_NL__2PRFIN20060119_063403_000000392044_00235_20329_7703.N1	19-JAN-2006 06:34:03	Dark	39.000	46	Del Vel	1.9540	10600.	78	20329	No
96	GOM_NL__2PRFIN20060119_063649_000000422044_00235_20329_7704.N1	19-JAN-2006 06:36:49	Dark	42.000	2	Alp Car	-0.73600	7000.0	84	20329	No
97	GOM_NL__2PRFIN20060119_064257_000000412044_00235_20329_7705.N1	19-JAN-2006 06:42:57	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	20329	No
98	GOM_NL__2PRFIN20060119_064421_000000382044_00235_20329_7706.N1	19-JAN-2006 06:44:21	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20329	No
99	GOM_NL__2PRFIN20060119_064632_000000462044_00235_20329_7707.N1	19-JAN-2006 06:46:32	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	20329	No
100	GOM_NL__2PRFIN20060119_064904_000000392044_00235_20329_7708.N1	19-JAN-2006 06:49:04	Straylight	39.000	56	53Kap Ori	2.0650	30000.	78	20329	No
101	GOM_NL__2PRFIN20060119_065015_000000382044_00235_20329_7709.N1	19-JAN-2006 06:50:15	Tw_i_and_stray	37.500	125	44lot Ori	2.7700	30000.	75	20329	No

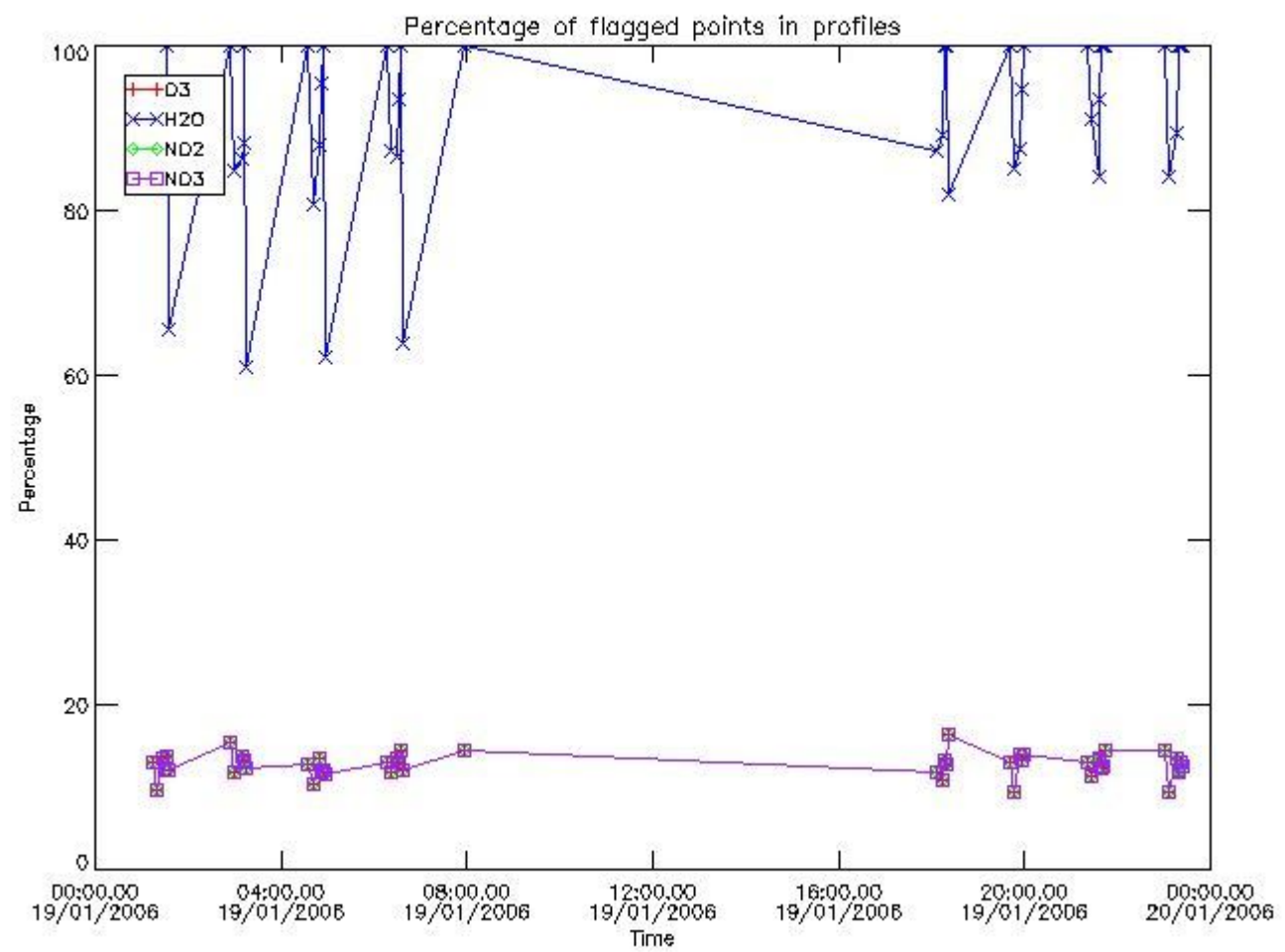
102	GOM_NL__2PRFIN20060119_065132_000000422044_00235_20329_7710.N1	19-JAN-2006 06:51:32	Twilight	42.000	30	46Eps Ori	1.6940	30000.	84	20329	No
103	GOM_NL__2PRFIN20060119_065342_000000512044_00235_20329_7711.N1	19-JAN-2006 06:53:42	Twilight	51.000	14	58Alp Ori	0.87000	3000.0	102	20329	No
104	GOM_NL__2PRFIN20060119_065602_000000462044_00235_20329_7712.N1	19-JAN-2006 06:56:02	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	20329	No
105	GOM_NL__2PRFIN20060119_065747_000000412044_00235_20329_7713.N1	19-JAN-2006 06:57:47	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	20329	No
106	GOM_NL__2PRFIN20060119_065950_000000362044_00235_20329_7714.N1	19-JAN-2006 06:59:50	Bright	35.500	28	12Bet Tau	1.6500	15200.	71	20329	No
107	GOM_NL__2PRFIN20060119_070158_000000362044_00235_20329_7715.N1	19-JAN-2006 07:01:58	Bright	35.500	107	37The Aur	2.6490	11000.	71	20329	No
108	GOM_NL__2PRFIN20060119_070408_000000362044_00235_20329_7716.N1	19-JAN-2006 07:04:08	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20329	No
109	GOM_NL__2PRFIN20060119_071641_000000342044_00235_20329_7717.N1	19-JAN-2006 07:16:41	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	20329	No
110	GOM_NL__2PRFIN20060119_072737_000000342044_00235_20329_7718.N1	19-JAN-2006 07:27:37	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	20329	No
111	GOM_NL__2PRFIN20060119_073051_000000352044_00235_20329_7719.N1	19-JAN-2006 07:30:51	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	20329	No
112	GOM_NL__2PRFIN20060119_073848_000000342044_00235_20329_7720.N1	19-JAN-2006 07:38:48	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20329	No
113	GOM_NL__2PRFIN20060119_074055_000000342044_00235_20329_7721.N1	19-JAN-2006 07:40:55	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20329	No
114	GOM_NL__2PRFIN20060119_074617_000000382044_00235_20329_7722.N1	19-JAN-2006 07:46:17	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	20329	No
115	GOM_NL__2PRFIN20060119_075046_000000462044_00235_20329_7723.N1	19-JAN-2006 07:50:46	Twilight	46.000	16	21Alp Sco	1.0200	3000.0	92	20329	No
116	GOM_NL__2PRFIN20060119_075221_000000392044_00235_20329_7724.N1	19-JAN-2006 07:52:21	Twilight	38.500	75	26Eps Sco	2.2910	4250.0	77	20329	No
117	GOM_NL__2PRFIN20060119_075609_000000382044_00235_20329_7725.N1	19-JAN-2006 07:56:09	Dark	38.000	131	Gam Lup	2.8000	26000.	76	20329	No
118	GOM_NL__2PRFIN20060119_180532_000000442044_00242_20336_7700.N1	19-JAN-2006 18:05:32	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	20336	No
119	GOM_NL__2PRFIN20060119_181423_000000472044_00242_20336_7701.N1	19-JAN-2006 18:14:23	Dark	47.000	29	Bet Car	1.6720	10200.	94	20336	No
120	GOM_NL__2PRFIN20060119_181626_000000392044_00242_20336_7702.N1	19-JAN-2006 18:16:26	Dark	38.500	71	lot Car	2.2460	7700.0	77	20336	No
121	GOM_NL__2PRFIN20060119_181817_000000402044_00242_20336_7703.N1	19-JAN-2006 18:18:17	Dark	40.000	46	Del Vel	1.9540	10600.	80	20336	No
122	GOM_NL__2PRFIN20060119_182104_000000282044_00242_20336_7704.N1	19-JAN-2006 18:21:04	Dark	28.000	2	Alp Car	-0.73600	7000.0	56	20336	No
123	GOM_NL__2PRFIN20060119_182834_000000382044_00242_20336_7705.N1	19-JAN-2006 18:28:34	Straylight	38.000	179	24Omi2Cma	3.0320	24000.	76	20336	No
124	GOM_NL__2PRFIN20060119_183045_000000472044_00242_20336_7706.N1	19-JAN-2006 18:30:45	Straylight	47.000	1	9Alp Cma	-1.4400	11000.	94	20336	No
125	GOM_NL__2PRFIN20060119_183316_000000392044_00242_20336_7707.N1	19-JAN-2006 18:33:16	Straylight	38.500	56	53Kap Ori	2.0650	30000.	77	20336	No
126	GOM_NL__2PRFIN20060119_183545_000000402044_00242_20336_7708.N1	19-JAN-2006 18:35:45	Twilight	39.500	30	46Eps Ori	1.6940	30000.	79	20336	No
127	GOM_NL__2PRFIN20060119_183754_000000522044_00242_20336_7709.N1	19-JAN-2006 18:37:54	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	20336	No
128	GOM_NL__2PRFIN20060119_184014_000000532044_00242_20336_7710.N1	19-JAN-2006 18:40:14	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	20336	No
129	GOM_NL__2PRFIN20060119_184158_000000402044_00242_20336_7711.N1	19-JAN-2006 18:41:58	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	20336	No
130	GOM_NL__2PRFIN20060119_184403_000000372044_00242_20336_7712.N1	19-JAN-2006 18:44:03	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	20336	No
131	GOM_NL__2PRFIN20060119_184610_000000362044_00242_20336_7713.N1	19-JAN-2006 18:46:10	Bright	36.000	107	37The Aur	2.6490	11000.	72	20336	No
132	GOM_NL__2PRFIN20060119_184819_000000372044_00242_20336_7714.N1	19-JAN-2006 18:48:19	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20336	No
133	GOM_NL__2PRFIN20060119_190053_000000362044_00242_20336_7715.N1	19-JAN-2006 19:00:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20336	No
134	GOM_NL__2PRFIN20060119_191149_000000362044_00242_20336_7716.N1	19-JAN-2006 19:11:49	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	20336	No
135	GOM_NL__2PRFIN20060119_191504_000000332044_00242_20336_7717.N1	19-JAN-2006 19:15:04	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20336	No
136	GOM_NL__2PRFIN20060119_192302_000000342044_00242_20336_7718.N1	19-JAN-2006 19:23:02	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	20336	No
137	GOM_NL__2PRFIN20060119_192508_000000342044_00242_20336_7719.N1	19-JAN-2006 19:25:08	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20336	No
138	GOM_NL__2PRFIN20060119_193031_000000372044_00242_20336_7720.N1	19-JAN-2006 19:30:31	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	20336	No
139	GOM_NL__2PRFIN20060119_193500_000000472044_00242_20336_7721.N1	19-JAN-2006 19:35:00	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	20336	No
140	GOM_NL__2PRFIN20060119_193635_000000452044_00242_20336_7722.N1	19-JAN-2006 19:36:35	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	20336	No
141	GOM_NL__2PRFIN20060119_194025_000000402044_00242_20336_7723.N1	19-JAN-2006 19:40:25	Dark	39.500	131	Gam Lup	2.8000	26000.	79	20336	No
142	GOM_NL__2PRFIN20060119_194609_000000542044_00243_20337_7700.N1	19-JAN-2006 19:46:09	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	20337	No
143	GOM_NL__2PRFIN20060119_195459_000000372044_00243_20337_7701.N1	19-JAN-2006 19:54:59	Dark	36.500	29	Bet Car	1.6720	10200.	73	20337	No
144	GOM_NL__2PRFIN20060119_195702_000000392044_00243_20337_7702.N1	19-JAN-2006 19:57:02	Dark	38.500	71	lot Car	2.2460	7700.0	77	20337	No
145	GOM_NL__2PRFIN20060119_195853_000000402044_00243_20337_7703.N1	19-JAN-2006 19:58:53	Dark	39.500	46	Del Vel	1.9540	10600.	79	20337	No
146	GOM_NL__2PRFIN20060119_200201_000000192044_00243_20337_7704.N1	19-JAN-2006 20:02:01	Dark	18.500	2	Alp Car	-0.73600	7000.0	37	20337	Yes
147	GOM_NL__2PRFIN20060119_200910_000000392044_00243_20337_7705.N1	19-JAN-2006 20:09:10	Straylight	38.500	179	24Omi2Cma	3.0320	24000.	77	20337	No
148	GOM_NL__2PRFIN20060119_201121_000000442044_00243_20337_7706.N1	19-JAN-2006 20:11:21	Straylight	43.500	1	9Alp Cma	-1.4400	11000.	87	20337	No
149	GOM_NL__2PRFIN20060119_201352_000000422044_00243_20337_7707.N1	19-JAN-2006 20:13:52	Straylight	41.500	56	53Kap Ori	2.0650	30000.	83	20337	No
150	GOM_NL__2PRFIN20060119_201621_000000402044_00243_20337_7708.N1	19-JAN-2006 20:16:21	Twilight	39.500	30	46Eps Ori	1.6940	30000.	79	20337	No
151	GOM_NL__2PRFIN20060119_201831_000000482044_00243_20337_7709.N1	19-JAN-2006 20:18:31	Twilight	47.500	14	58Alp Ori	0.87000	3000.0	95	20337	No
152	GOM_NL__2PRFIN20060119_202050_000000442044_00243_20337_7710.N1	19-JAN-2006 20:20:50	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	20337	No
153	GOM_NL__2PRFIN20060119_202234_000000392044_00243_20337_7711.N1	19-JAN-2006 20:22:34	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20337	No
154	GOM_NL__2PRFIN20060119_202439_000000382044_00243_20337_7712.N1	19-JAN-2006 20:24:39	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	20337	No
155	GOM_NL__2PRFIN20060119_202645_000000352044_00243_20337_7713.N1	19-JAN-2006 20:26:45	Bright	35.000	107	37The Aur	2.6490	11000.	70	20337	No
156	GOM_NL__2PRFIN20060119_202855_000000352044_00243_20337_7714.N1	19-JAN-2006 20:28:55	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	20337	No
157	GOM_NL__2PRFIN20060119_204129_000000362044_00243_20337_7715.N1	19-JAN-2006 20:41:29	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	20337	No
158	GOM_NL__2PRFIN20060119_205225_000000362044_00243_20337_7716.N1	19-JAN-2006 20:52:25	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20337	No
159	GOM_NL__2PRFIN20060119_205540_000000372044_00243_20337_7717.N1	19-JAN-2006 20:55:40	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	20337	No
160	GOM_NL__2PRFIN20060119_210338_000000342044_00243_20337_7718.N1	19-JAN-2006 21:03:38	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20337	No

161	GOM_NL__2PRFIN20060119_210544_000000332044_00243_20337_7719.N1	19-JAN-2006 21:05:44	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	20337	No
162	GOM_NL__2PRFIN20060119_211108_000000392044_00243_20337_7720.N1	19-JAN-2006 21:11:08	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	20337	No
163	GOM_NL__2PRFIN20060119_211537_000000532044_00243_20337_7721.N1	19-JAN-2006 21:15:37	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	20337	No
164	GOM_NL__2PRFIN20060119_211711_000000452044_00243_20337_7722.N1	19-JAN-2006 21:17:11	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	20337	No
165	GOM_NL__2PRFIN20060119_212101_000000392044_00243_20337_7723.N1	19-JAN-2006 21:21:01	Dark	39.000	131	Gam Lup	2.8000	26000.	78	20337	No
166	GOM_NL__2PRFIN20060119_212645_000000452044_00244_20338_7700.N1	19-JAN-2006 21:26:45	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	20338	No
167	GOM_NL__2PRFIN20060119_213535_000000382044_00244_20338_7701.N1	19-JAN-2006 21:35:35	Dark	38.000	29	Bet Car	1.6720	10200.	76	20338	No
168	GOM_NL__2PRFIN20060119_213739_000000392044_00244_20338_7702.N1	19-JAN-2006 21:37:39	Dark	38.500	71	lot Car	2.2460	7700.0	77	20338	No
169	GOM_NL__2PRFIN20060119_213929_000000422044_00244_20338_7703.N1	19-JAN-2006 21:39:29	Dark	41.500	46	Del Vel	1.9540	10600.	83	20338	No
170	GOM_NL__2PRFIN20060119_214209_000000412044_00244_20338_7704.N1	19-JAN-2006 21:42:09	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	20338	No
171	GOM_NL__2PRFIN20060119_214417_000000432044_00244_20338_7705.N1	19-JAN-2006 21:44:17	Dark	42.500	70	Zet Pup	2.2460	39000.	85	20338	No
172	GOM_NL__2PRFIN20060119_214551_000000422044_00244_20338_7706.N1	19-JAN-2006 21:45:51	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	20338	No
173	GOM_NL__2PRFIN20060119_214822_000000412044_00244_20338_7707.N1	19-JAN-2006 21:48:22	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	20338	No
174	GOM_NL__2PRFIN20060119_214946_000000392044_00244_20338_7708.N1	19-JAN-2006 21:49:46	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	20338	No
175	GOM_NL__2PRFIN20060119_215157_000000442044_00244_20338_7709.N1	19-JAN-2006 21:51:57	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	20338	No
176	GOM_NL__2PRFIN20060119_215428_000000392044_00244_20338_7710.N1	19-JAN-2006 21:54:28	Straylight	39.000	56	53Kap Ori	2.0650	30000.	78	20338	No
177	GOM_NL__2PRFIN20060119_215657_000000412044_00244_20338_7711.N1	19-JAN-2006 21:56:57	Tw_i_and_stray	41.000	30	46Eps Ori	1.6940	30000.	82	20338	No
178	GOM_NL__2PRFIN20060119_215907_000000472044_00244_20338_7712.N1	19-JAN-2006 21:59:07	Tw_i_and_stray	47.000	14	58Alp Ori	0.87000	3000.0	94	20338	No
179	GOM_NL__2PRFIN20060119_220126_000000482044_00244_20338_7713.N1	19-JAN-2006 22:01:26	Bright	47.500	44	24Gam Gem	1.9280	11000.	95	20338	No
180	GOM_NL__2PRFIN20060119_220310_000000382044_00244_20338_7714.N1	19-JAN-2006 22:03:10	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	20338	No
181	GOM_NL__2PRFIN20060119_220515_000000372044_00244_20338_7715.N1	19-JAN-2006 22:05:15	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	20338	No
182	GOM_NL__2PRFIN20060119_220721_000000362044_00244_20338_7716.N1	19-JAN-2006 22:07:21	Bright	35.500	107	37The Aur	2.6490	11000.	71	20338	No
183	GOM_NL__2PRFIN20060119_220931_000000362044_00244_20338_7717.N1	19-JAN-2006 22:09:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20338	No
184	GOM_NL__2PRFIN20060119_222205_000000372044_00244_20338_7718.N1	19-JAN-2006 22:22:05	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	20338	No
185	GOM_NL__2PRFIN20060119_223301_000000372044_00244_20338_7719.N1	19-JAN-2006 22:33:01	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	20338	No
186	GOM_NL__2PRFIN20060119_223616_000000332044_00244_20338_7720.N1	19-JAN-2006 22:36:16	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20338	No
187	GOM_NL__2PRFIN20060119_224414_000000342044_00244_20338_7721.N1	19-JAN-2006 22:44:14	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20338	No
188	GOM_NL__2PRFIN20060119_224620_000000342044_00244_20338_7722.N1	19-JAN-2006 22:46:20	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20338	No
189	GOM_NL__2PRFIN20060119_225144_000000422044_00244_20338_7723.N1	19-JAN-2006 22:51:44	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	20338	No
190	GOM_NL__2PRFIN20060119_225613_000000512044_00244_20338_7724.N1	19-JAN-2006 22:56:13	Twilight	50.500	16	21Alp Sco	1.0200	3000.0	101	20338	No
191	GOM_NL__2PRFIN20060119_225747_000000402044_00244_20338_7725.N1	19-JAN-2006 22:57:47	Twilight	39.500	75	26Eps Sco	2.2910	4250.0	79	20338	No
192	GOM_NL__2PRFIN20060119_230138_000000392044_00244_20338_7726.N1	19-JAN-2006 23:01:38	Dark	38.500	131	Gam Lup	2.8000	26000.	77	20338	No
193	GOM_NL__2PRFIN20060119_230722_000000542044_00245_20339_7700.N1	19-JAN-2006 23:07:22	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	20339	No
194	GOM_NL__2PRFIN20060119_231611_000000382044_00245_20339_7701.N1	19-JAN-2006 23:16:11	Dark	38.000	29	Bet Car	1.6720	10200.	76	20339	No
195	GOM_NL__2PRFIN20060119_231815_000000422044_00245_20339_7702.N1	19-JAN-2006 23:18:15	Dark	42.000	71	lot Car	2.2460	7700.0	84	20339	No
196	GOM_NL__2PRFIN20060119_232005_000000432044_00245_20339_7703.N1	19-JAN-2006 23:20:05	Dark	43.000	46	Del Vel	1.9540	10600.	86	20339	No
197	GOM_NL__2PRFIN20060119_232245_000000402044_00245_20339_7704.N1	19-JAN-2006 23:22:45	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	20339	No
198	GOM_NL__2PRFIN20060119_232453_000000412044_00245_20339_7705.N1	19-JAN-2006 23:24:53	Dark	40.500	70	Zet Pup	2.2460	39000.	81	20339	No
199	GOM_NL__2PRFIN20060119_232627_000000432044_00245_20339_7706.N1	19-JAN-2006 23:26:27	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	20339	No
200	GOM_NL__2PRFIN20060119_232858_000000422044_00245_20339_7707.N1	19-JAN-2006 23:28:58	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	20339	No
201	GOM_NL__2PRFIN20060119_233022_000000392044_00245_20339_7708.N1	19-JAN-2006 23:30:22	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	20339	No
202	GOM_NL__2PRFIN20060119_233233_000000442044_00245_20339_7709.N1	19-JAN-2006 23:32:33	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	20339	No
203	GOM_NL__2PRFIN20060119_233504_000000402044_00245_20339_7710.N1	19-JAN-2006 23:35:04	Straylight	39.500	56	53Kap Ori	2.0650	30000.	79	20339	No
204	GOM_NL__2PRFIN20060119_233733_000000412044_00245_20339_7711.N1	19-JAN-2006 23:37:33	Tw_i_and_stray	41.000	30	46Eps Ori	1.6940	30000.	82	20339	No
205	GOM_NL__2PRFIN20060119_233943_000000492044_00245_20339_7712.N1	19-JAN-2006 23:39:43	Tw_i_and_stray	49.000	14	58Alp Ori	0.87000	3000.0	98	20339	No
206	GOM_NL__2PRFIN20060119_234201_000000462044_00245_20339_7713.N1	19-JAN-2006 23:42:01	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	20339	No
207	GOM_NL__2PRFIN20060119_234346_000000392044_00245_20339_7714.N1	19-JAN-2006 23:43:46	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20339	No
208	GOM_NL__2PRFIN20060119_234551_000000372044_00245_20339_7715.N1	19-JAN-2006 23:45:51	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	20339	No
209	GOM_NL__2PRFIN20060119_234759_000000332044_00245_20339_7716.N1	19-JAN-2006 23:47:59	Bright	32.500	107	37The Aur	2.6490	11000.	65	20339	No
210	GOM_NL__2PRFIN20060119_235007_000000352044_00245_20339_7717.N1	19-JAN-2006 23:50:07	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	20339	No

3. Quality information per product

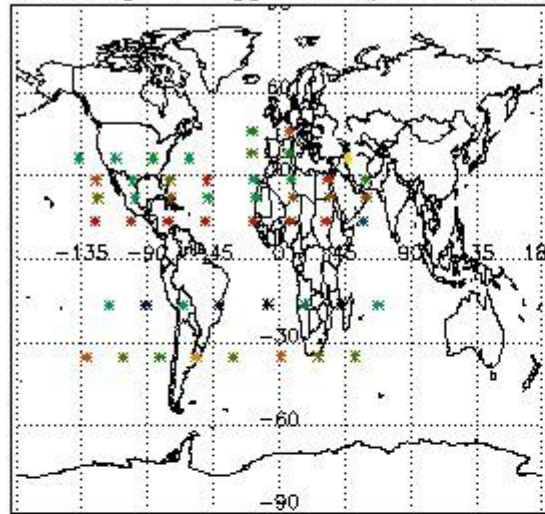
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

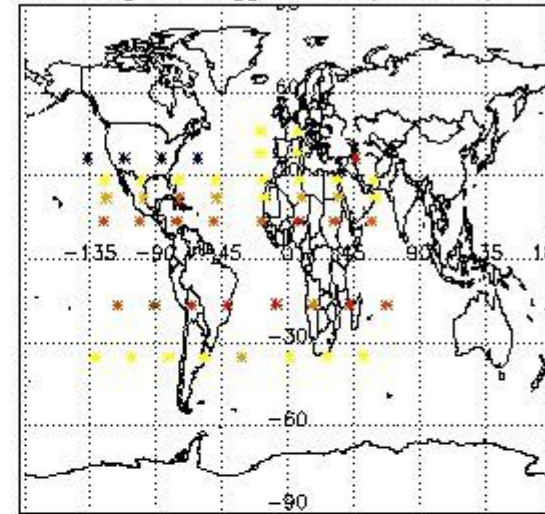


3.2 Plot quality information per product (world map)

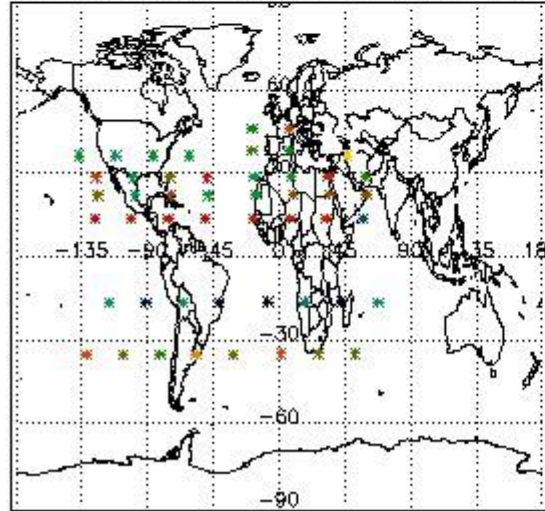
Percentage of flagged data per O3 profile



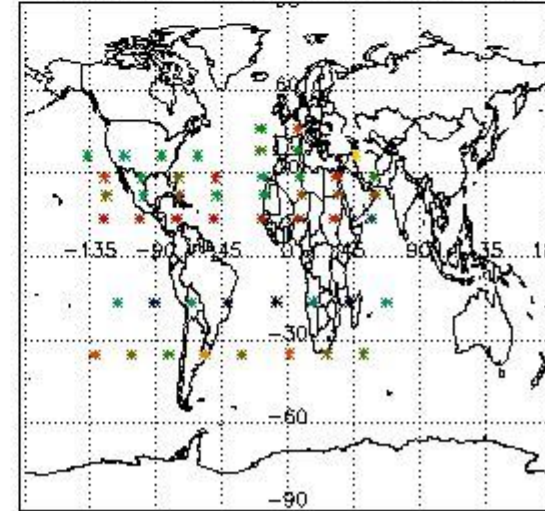
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

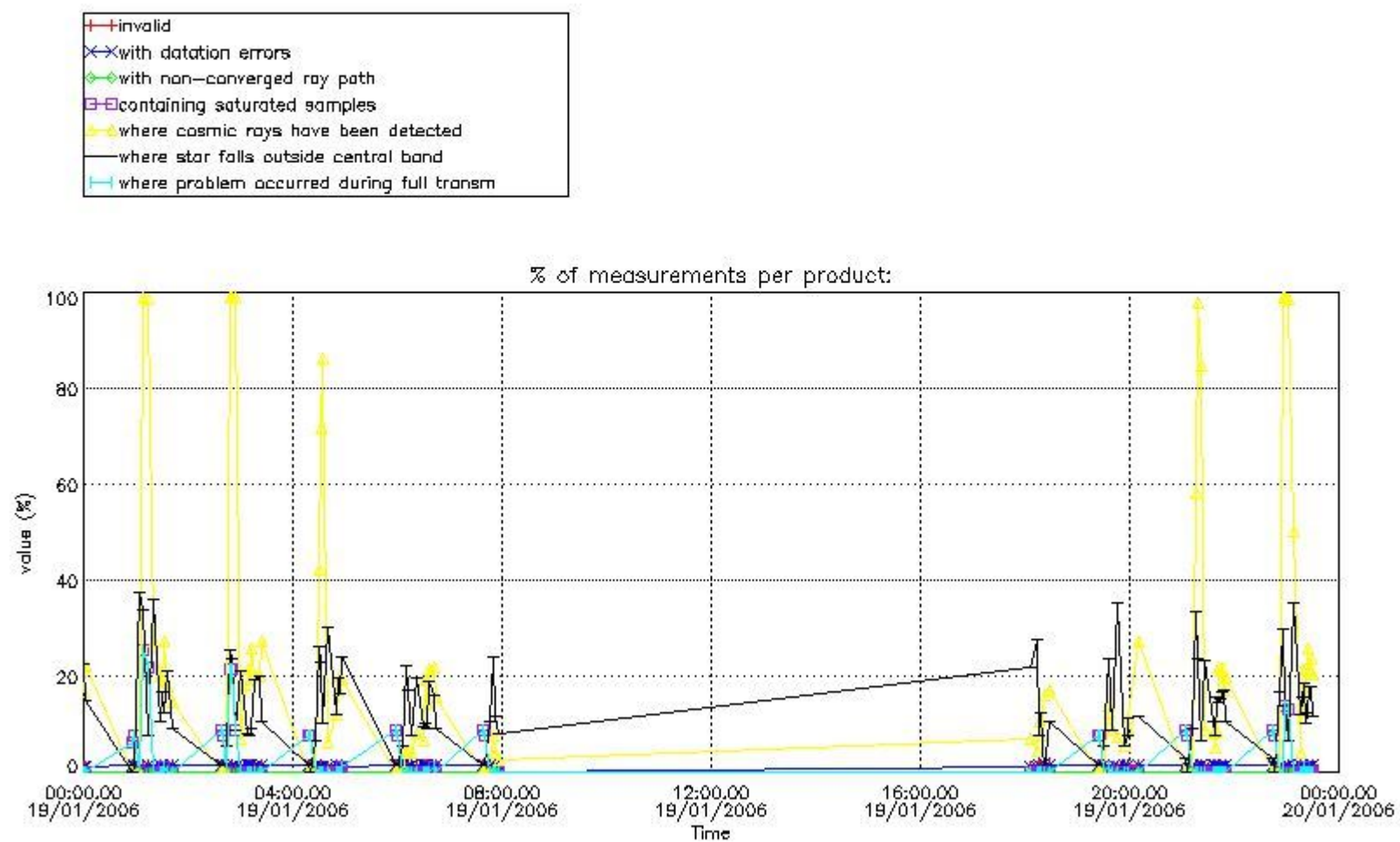


4. Level 1 quality information per product

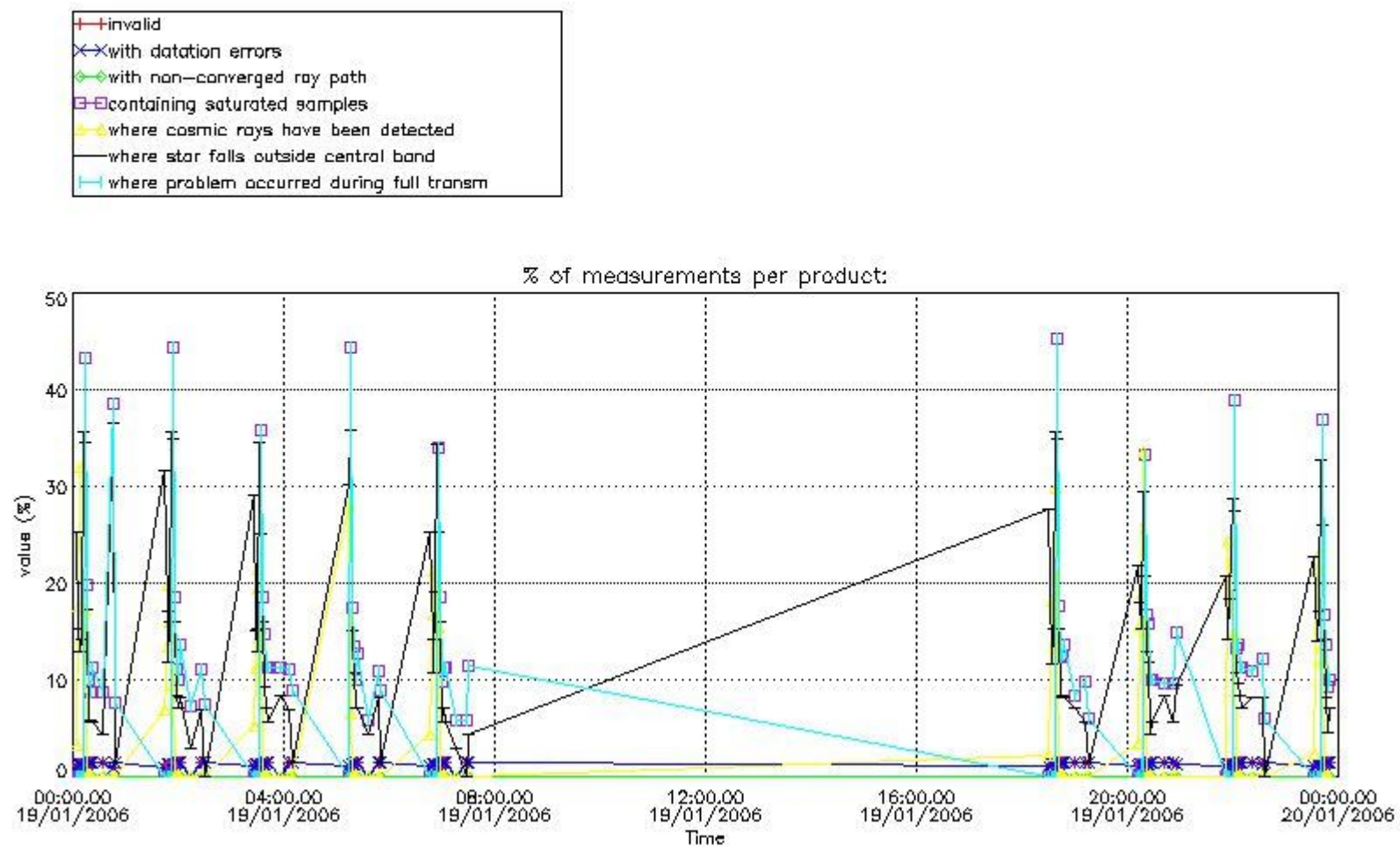
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



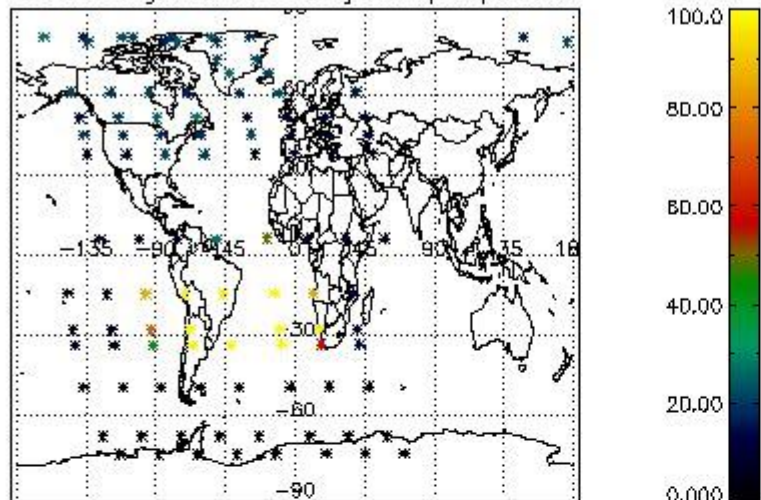
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



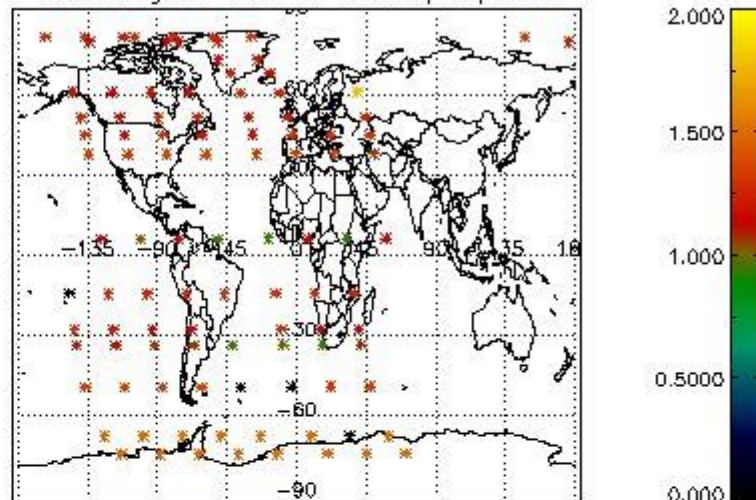
4.2 Plot quality information per product coming from level 1b processing (world map)

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

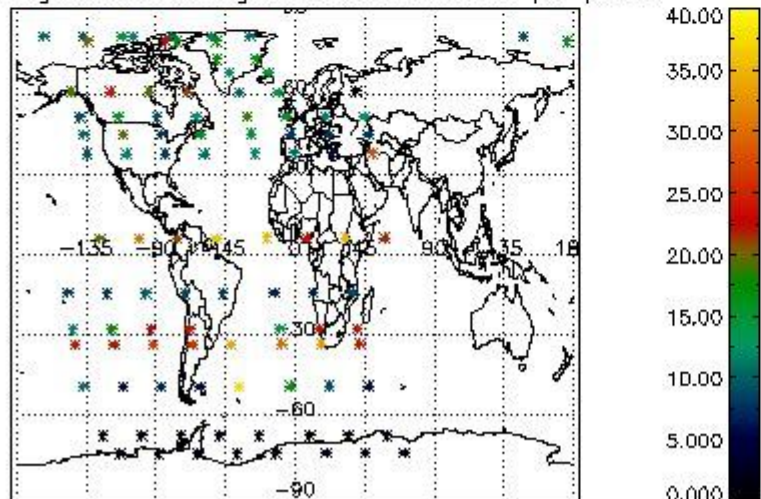
Percentage of cosmic ray hits per profile



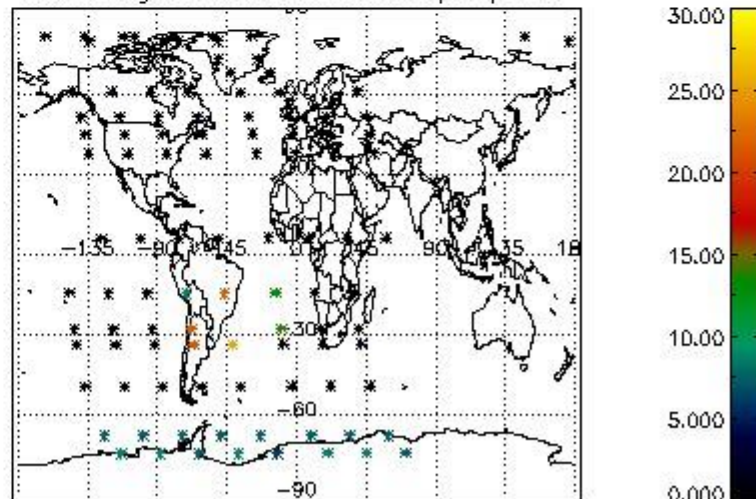
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

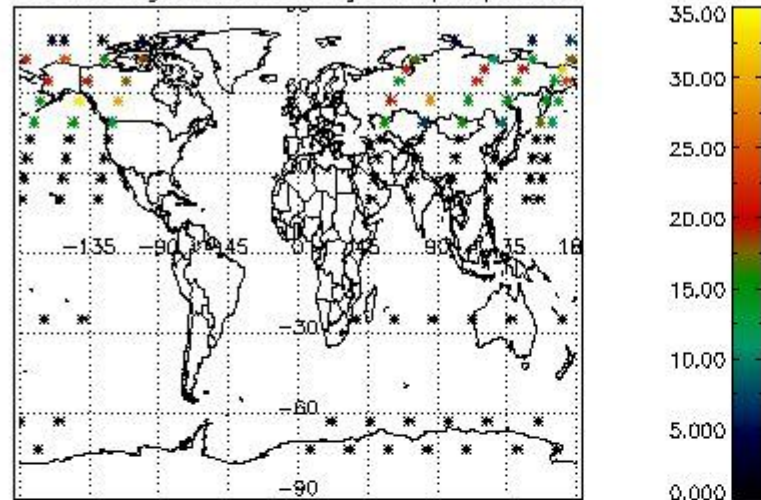


Percentage of saturation errors per profile

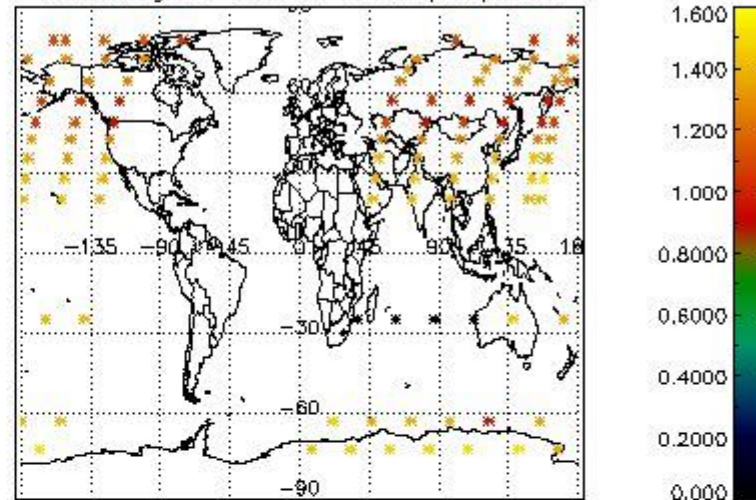


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

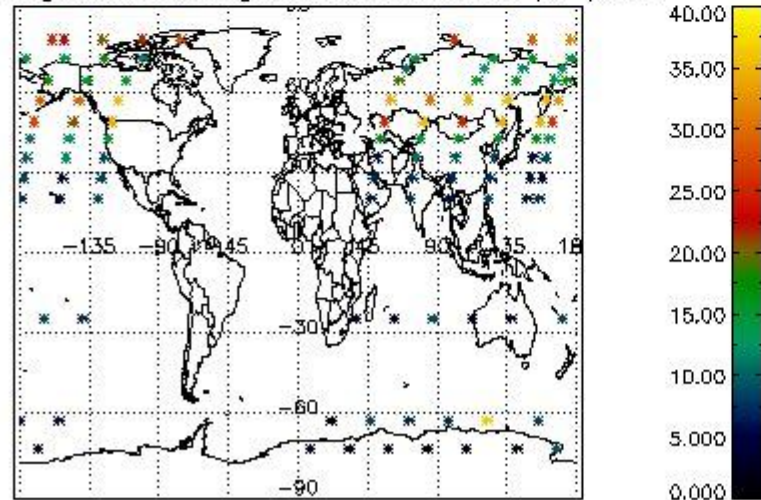
Percentage of cosmic ray hits per profile



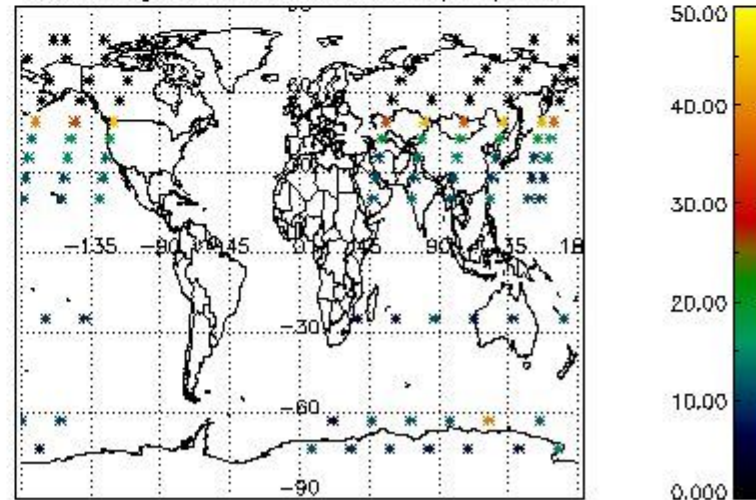
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

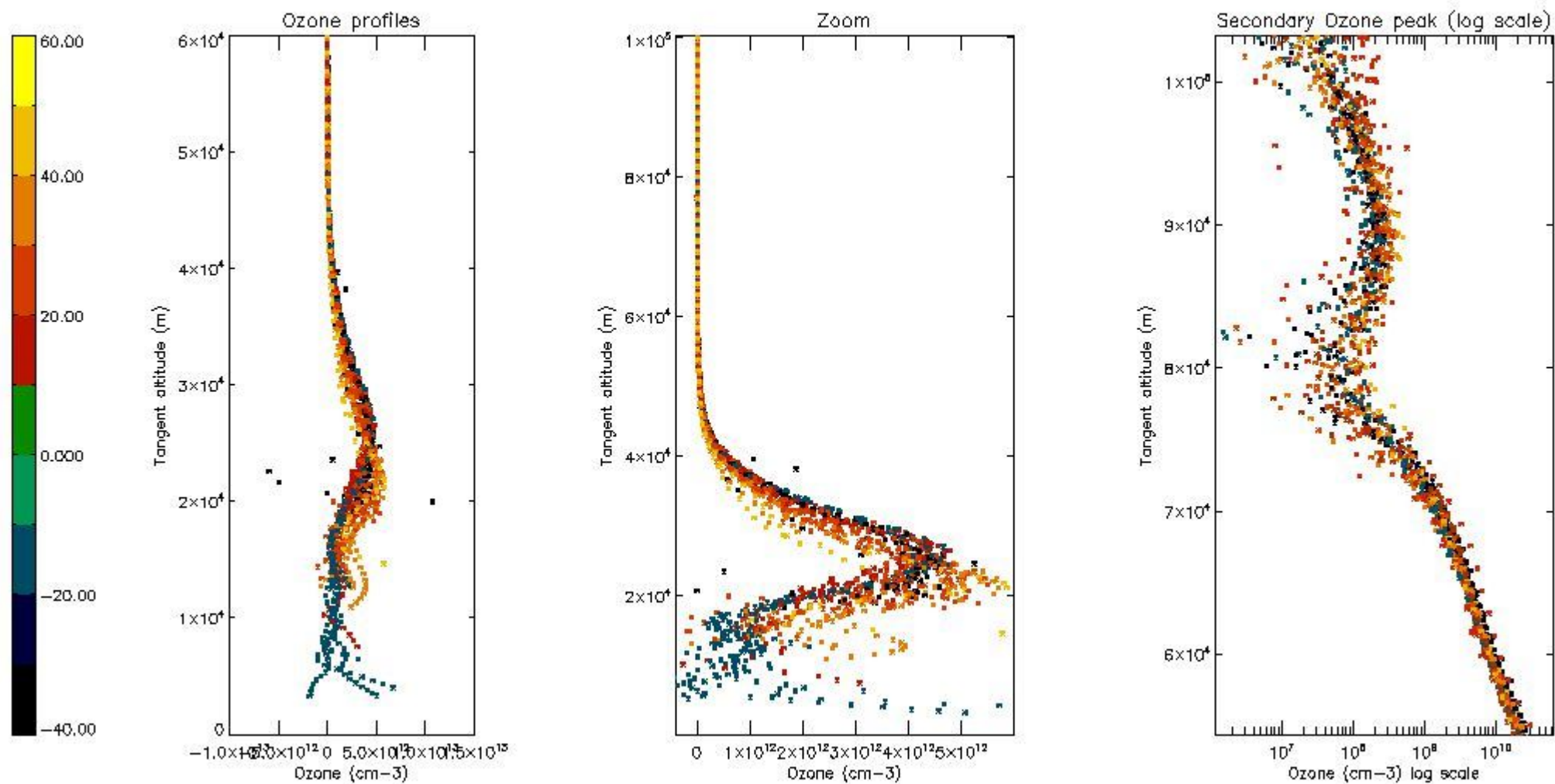
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	15

STD < 10	12
STD < 5	8

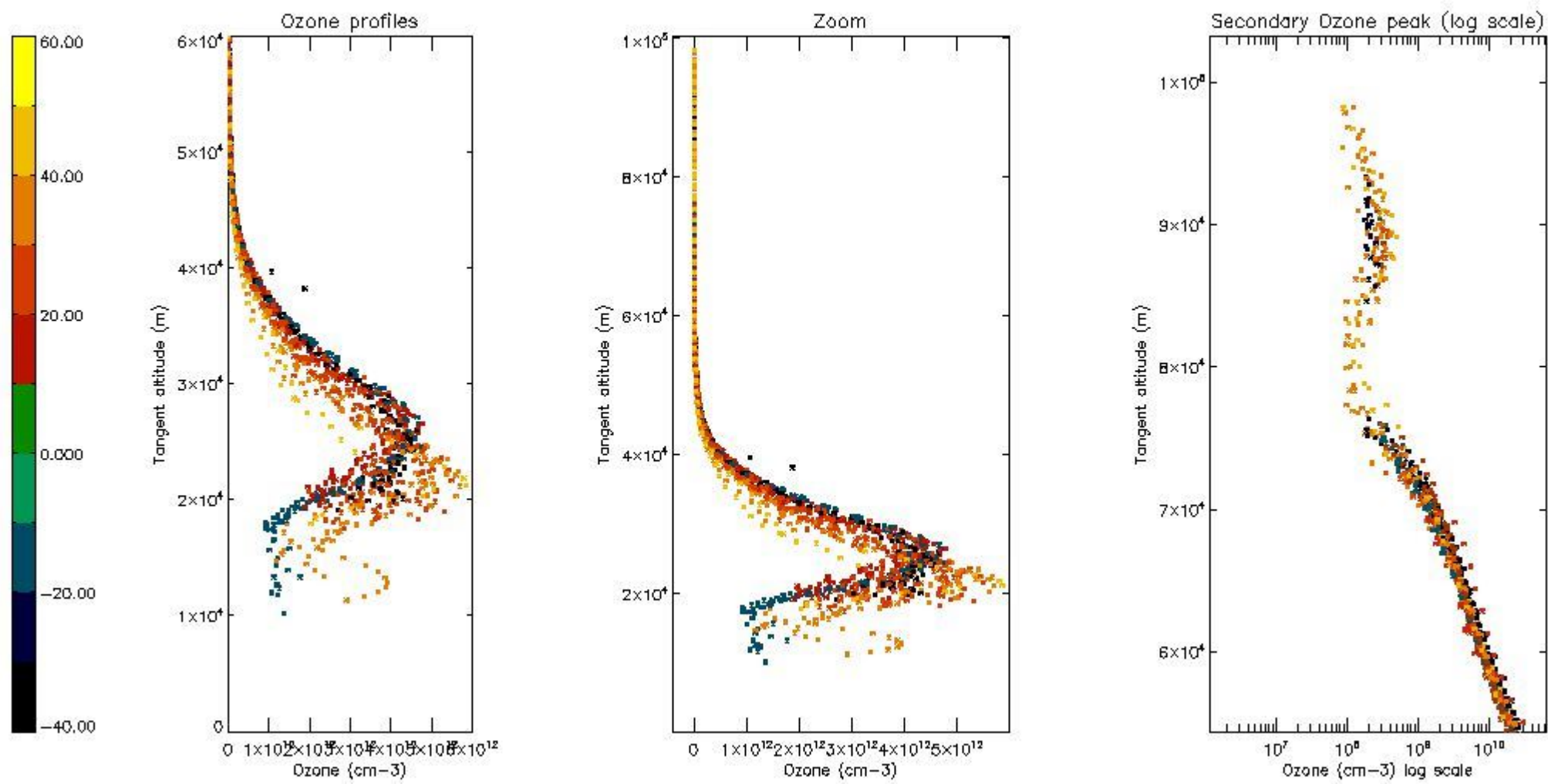
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



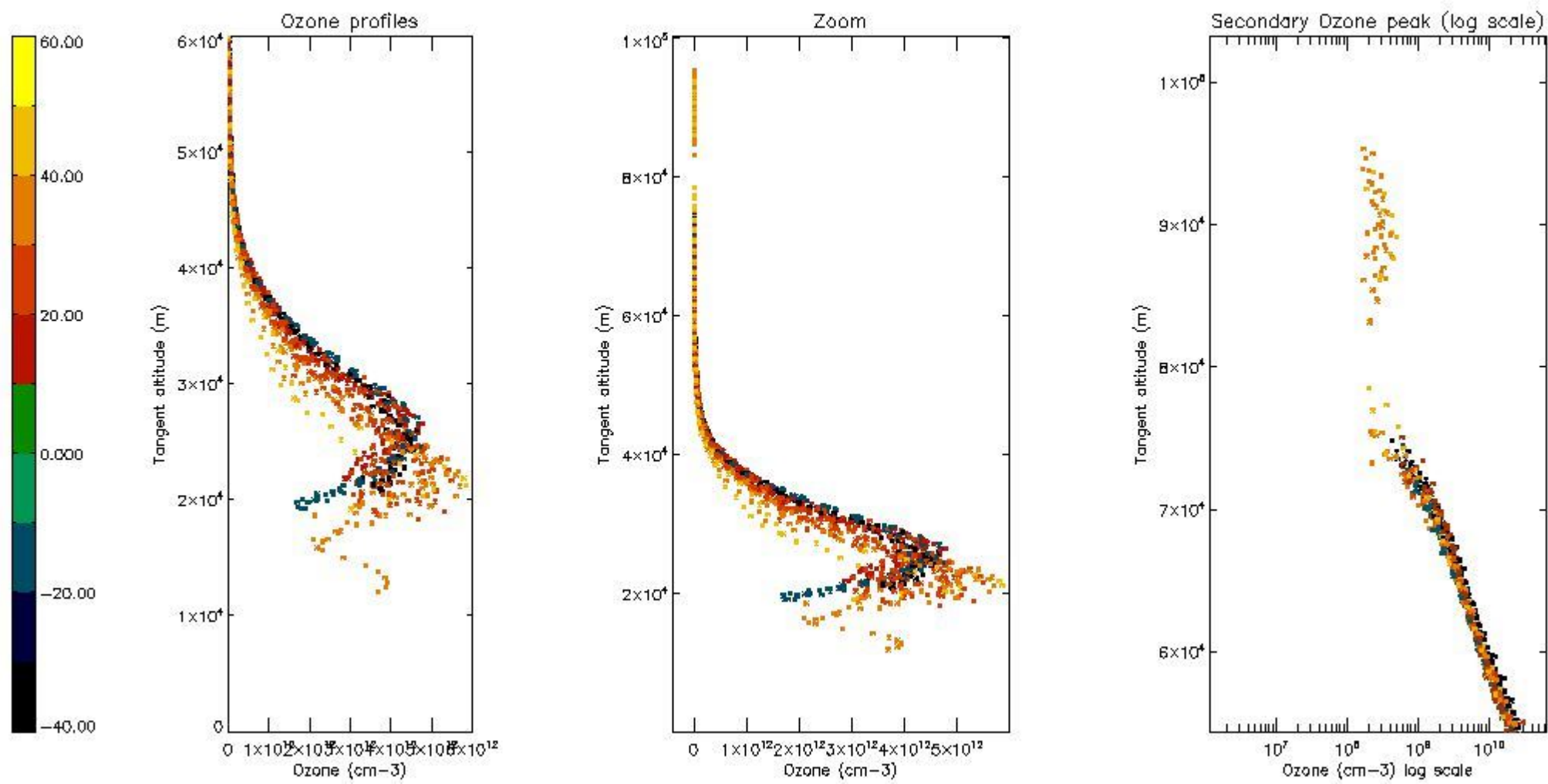
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



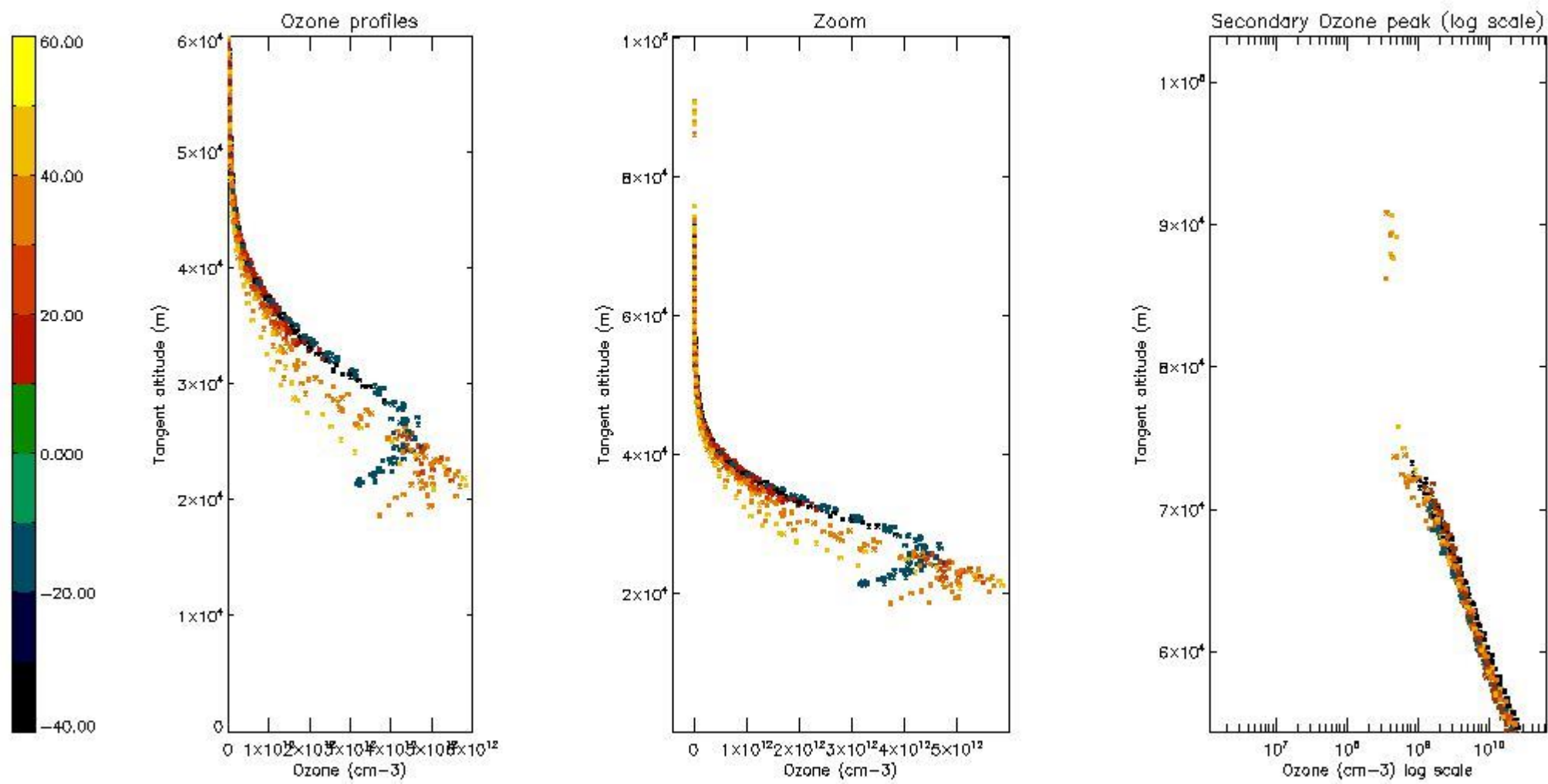
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



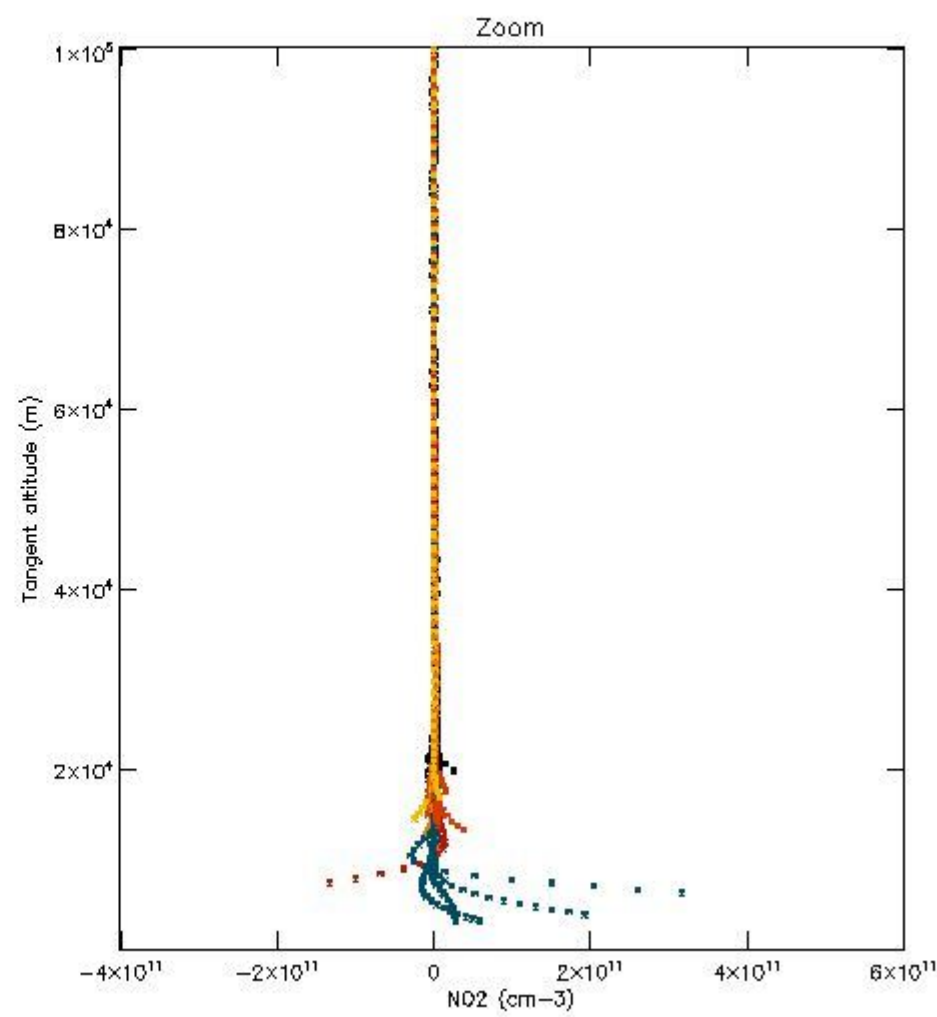
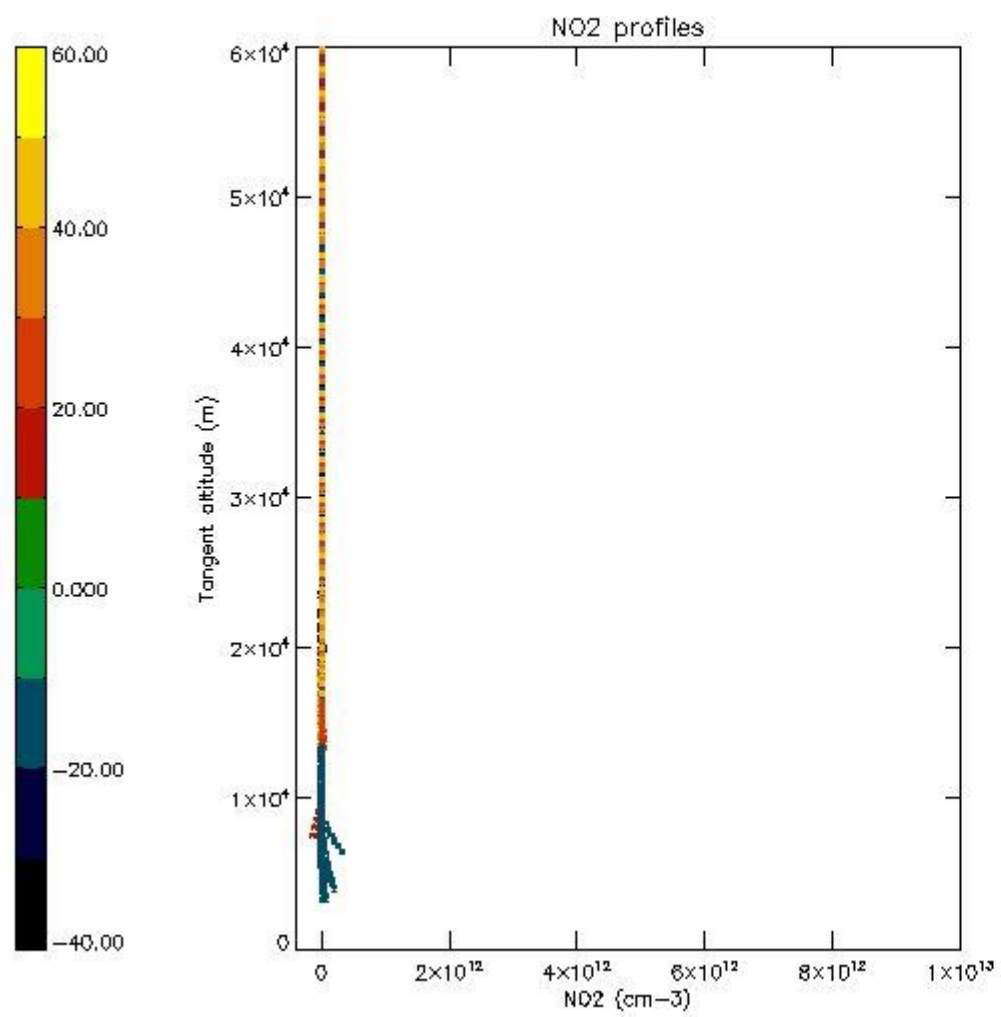
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



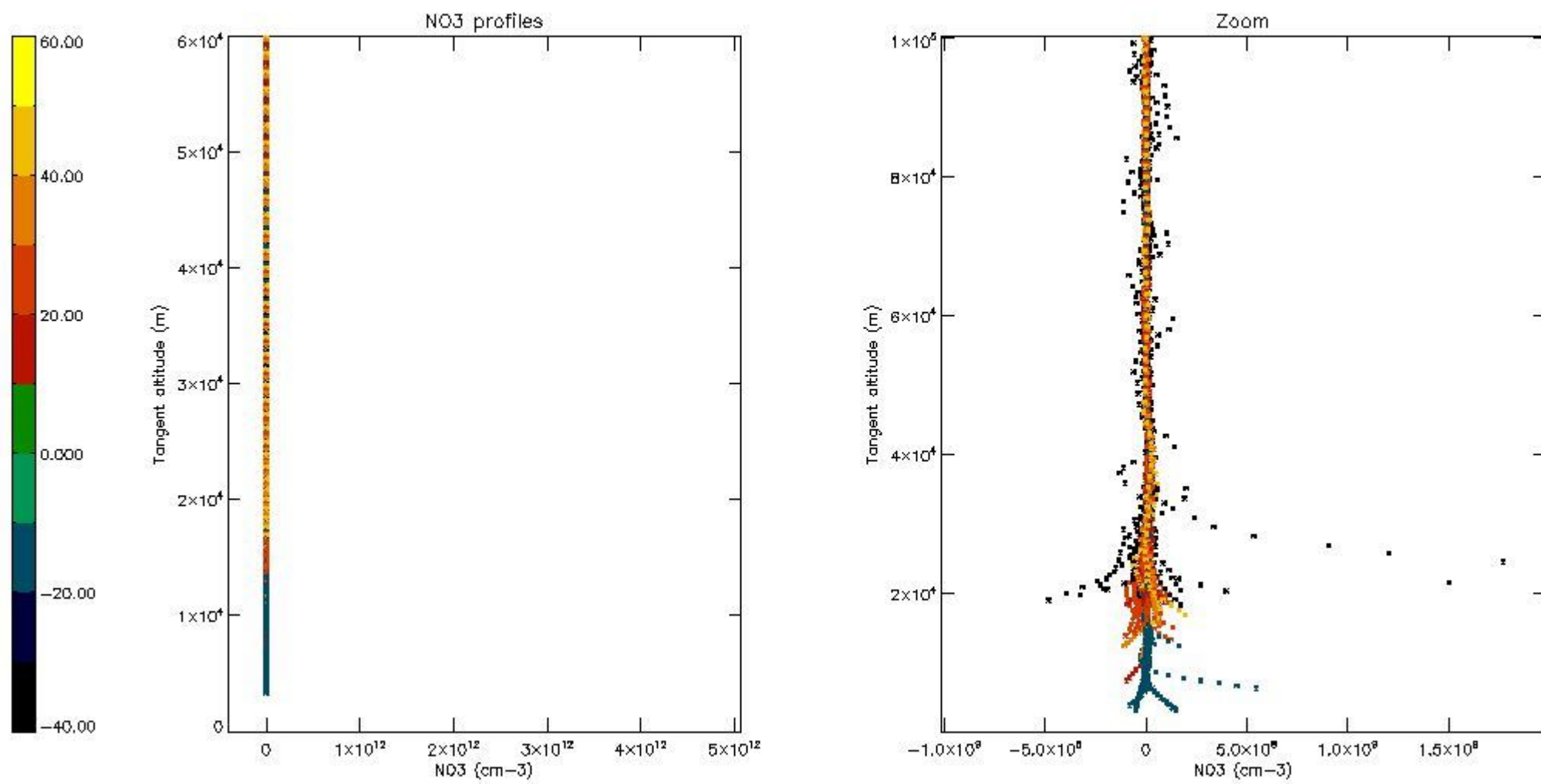
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



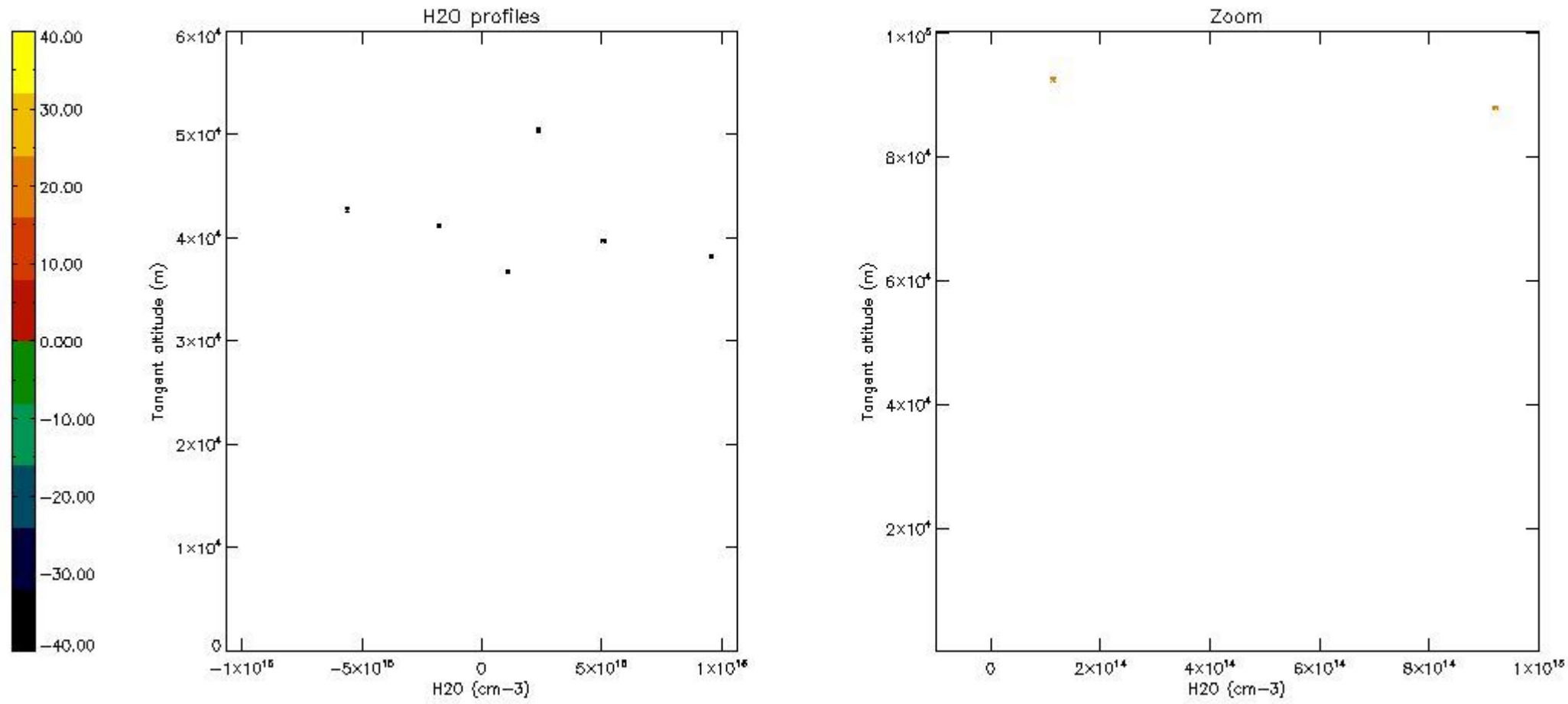
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

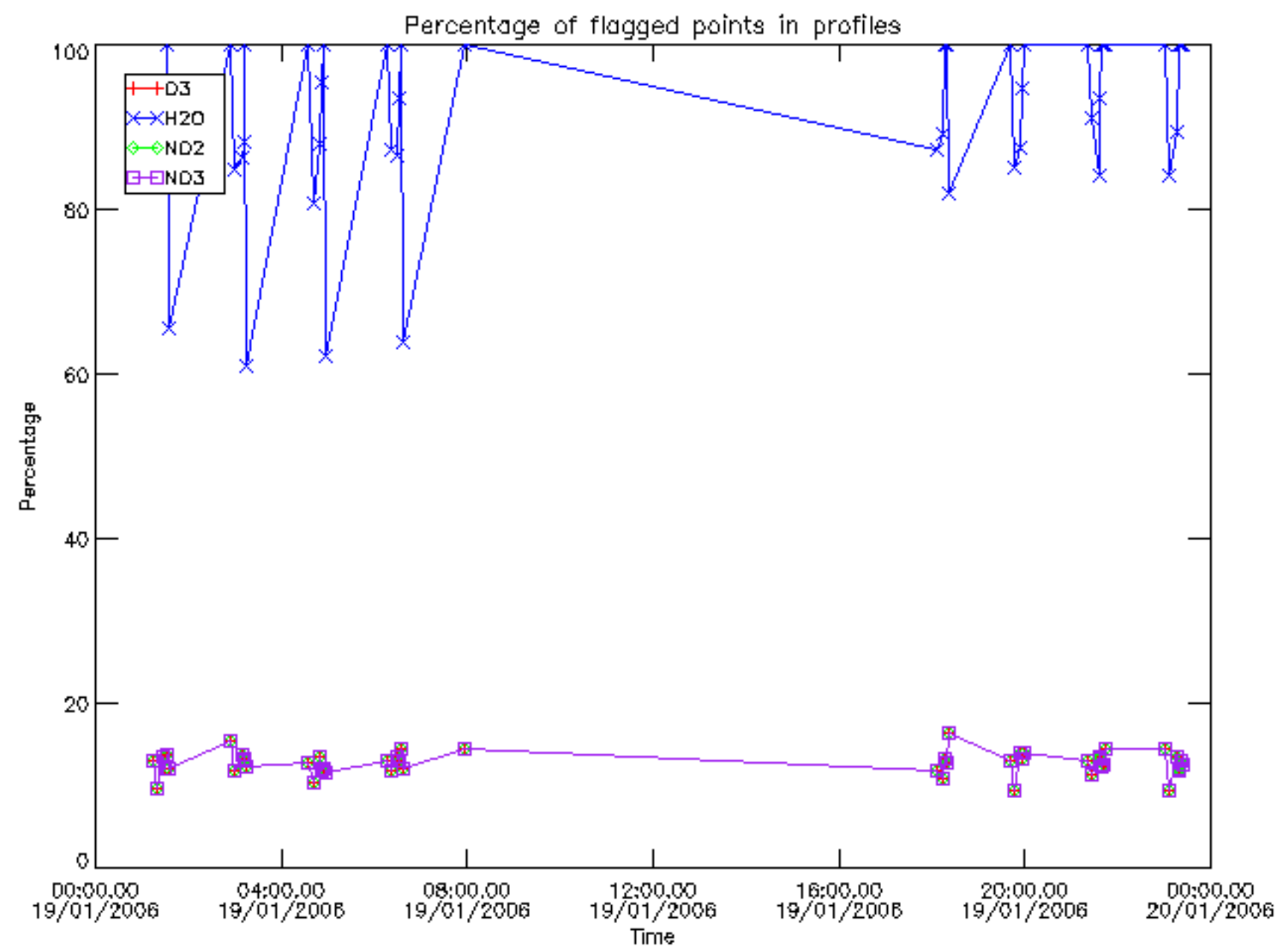
The colorbar represents the latitude.



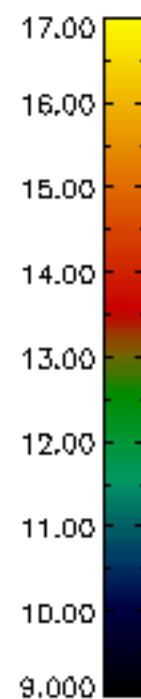
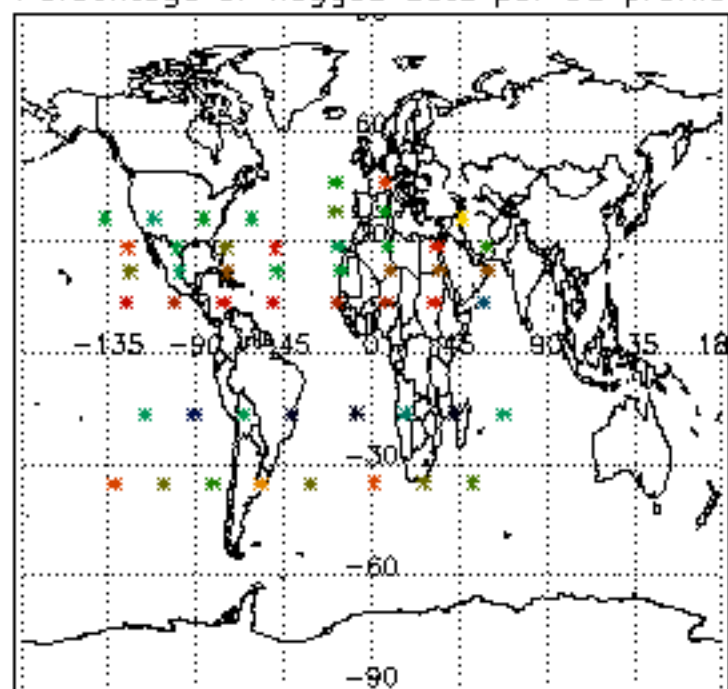
6. Auxiliary Data Files used for the production reported in section 2

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

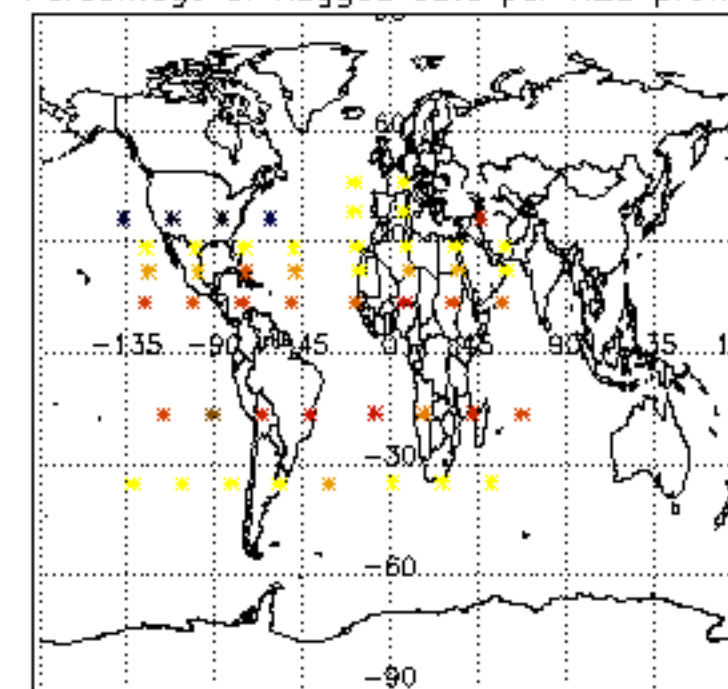
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-JAN-2006 00:00:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-JAN-2006 00:00:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-JAN-2006 00:00:32



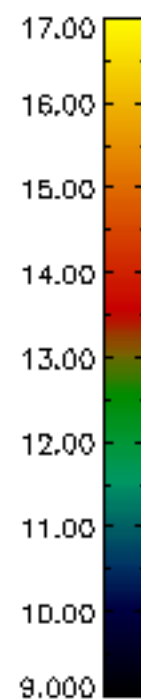
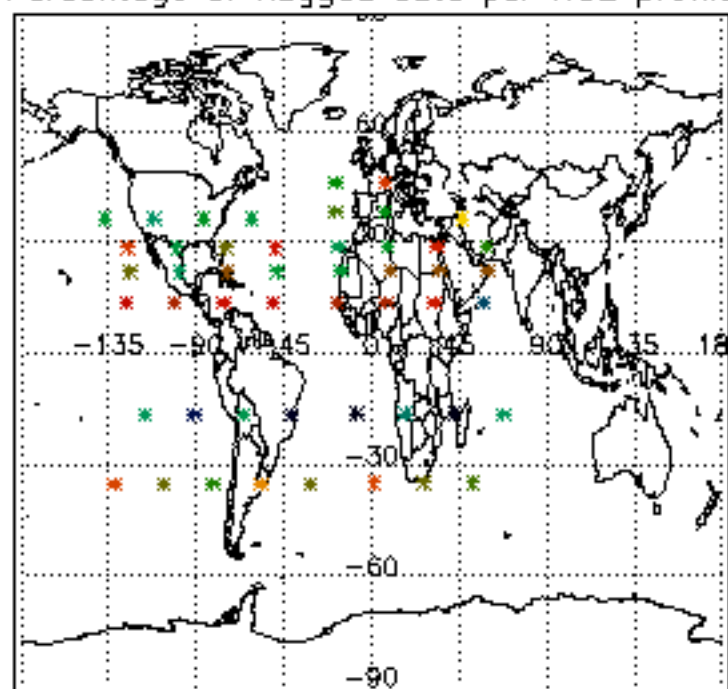
Percentage of flagged data per D3 profile



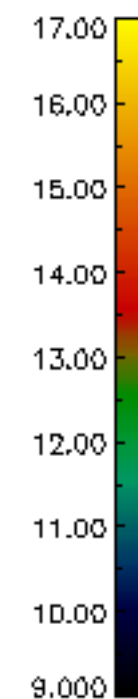
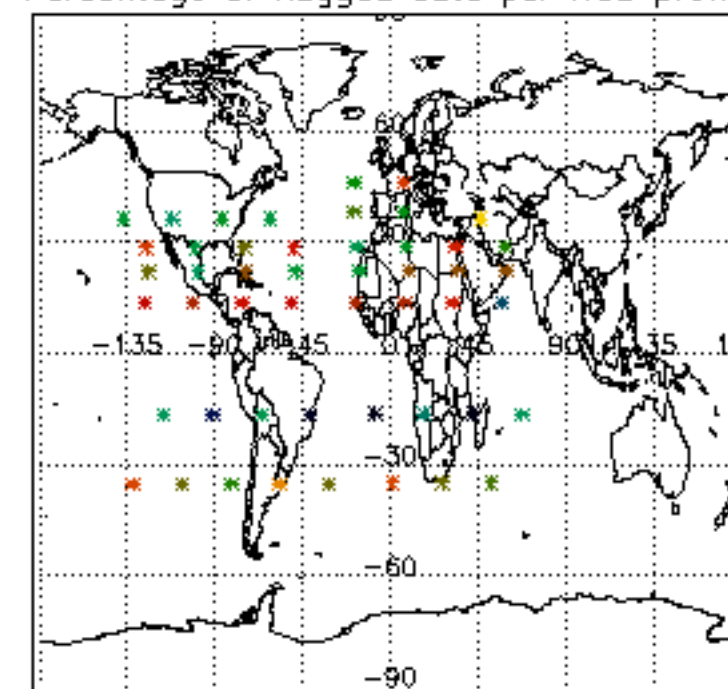
Percentage of flagged data per H2O profile

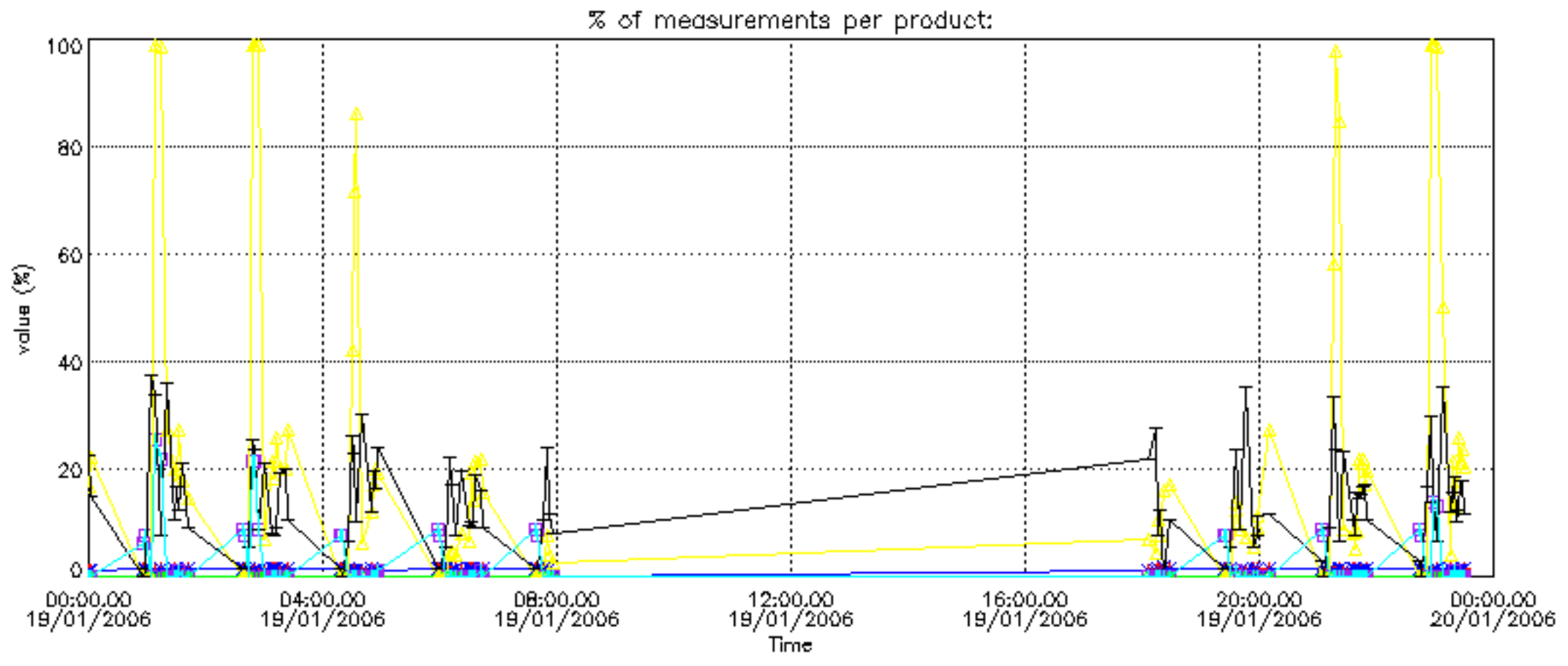


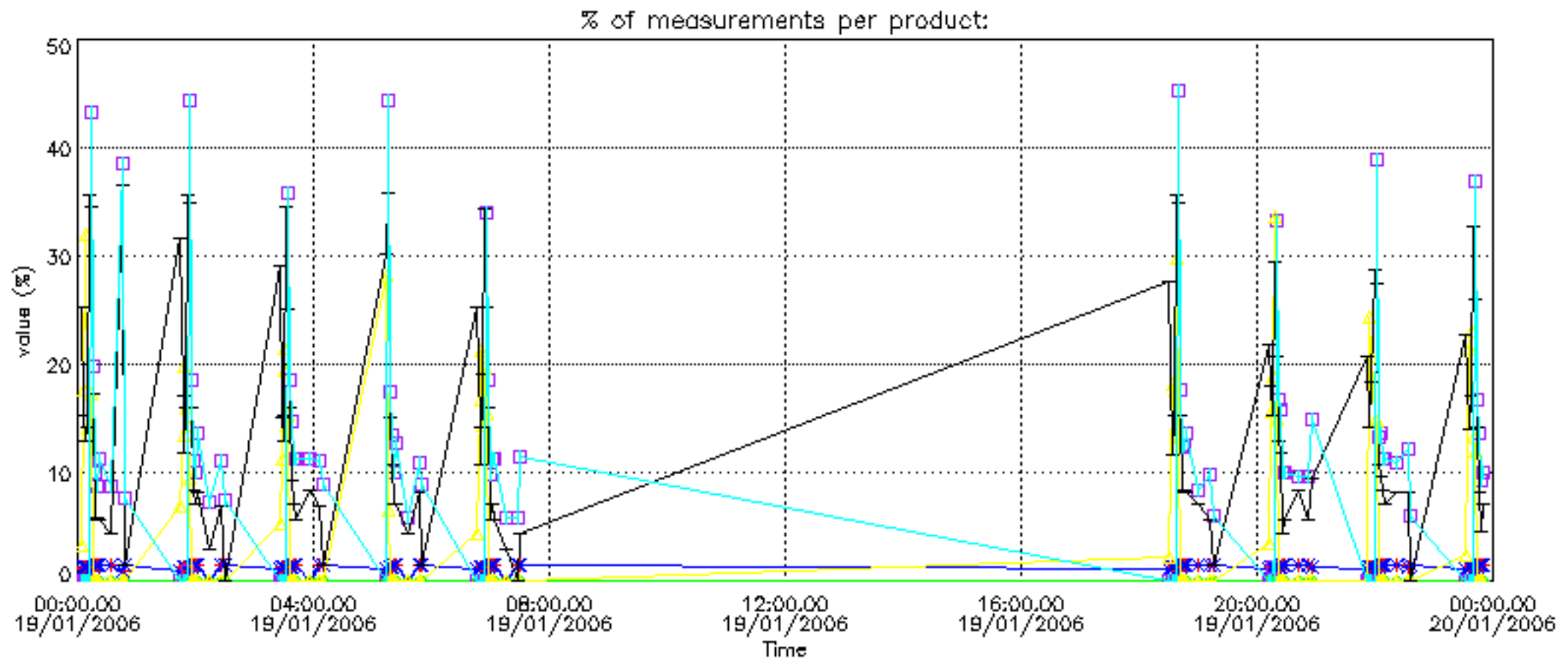
Percentage of flagged data per NO2 profile



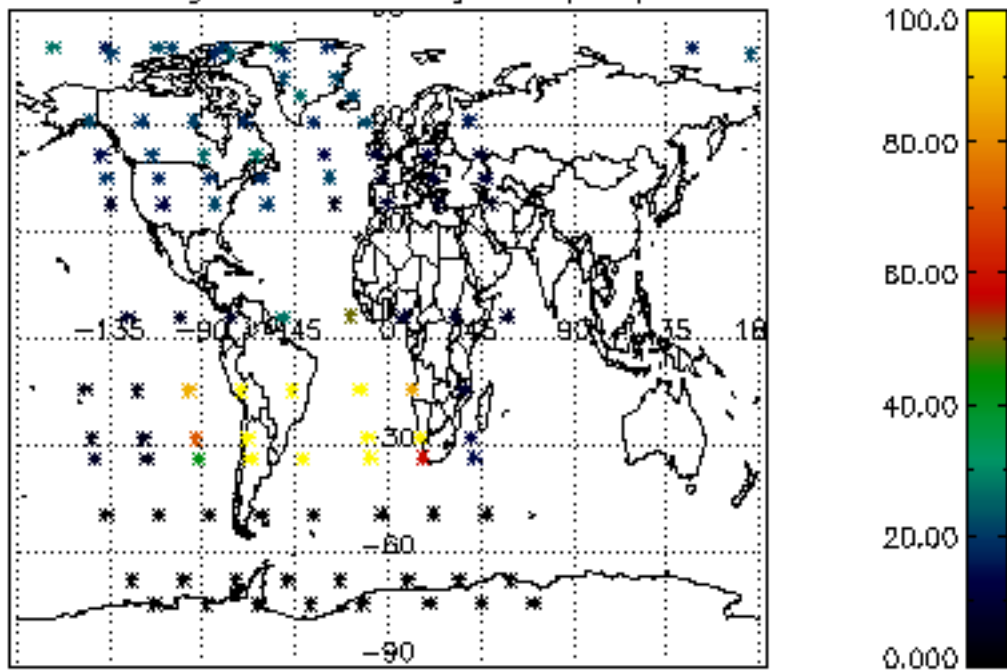
Percentage of flagged data per NO3 profile



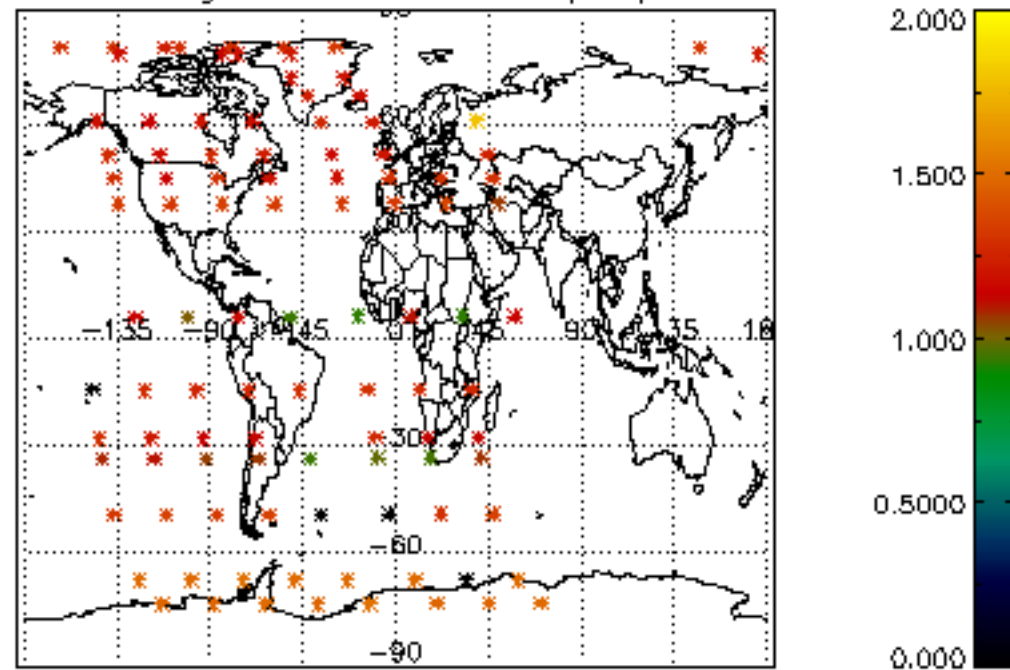




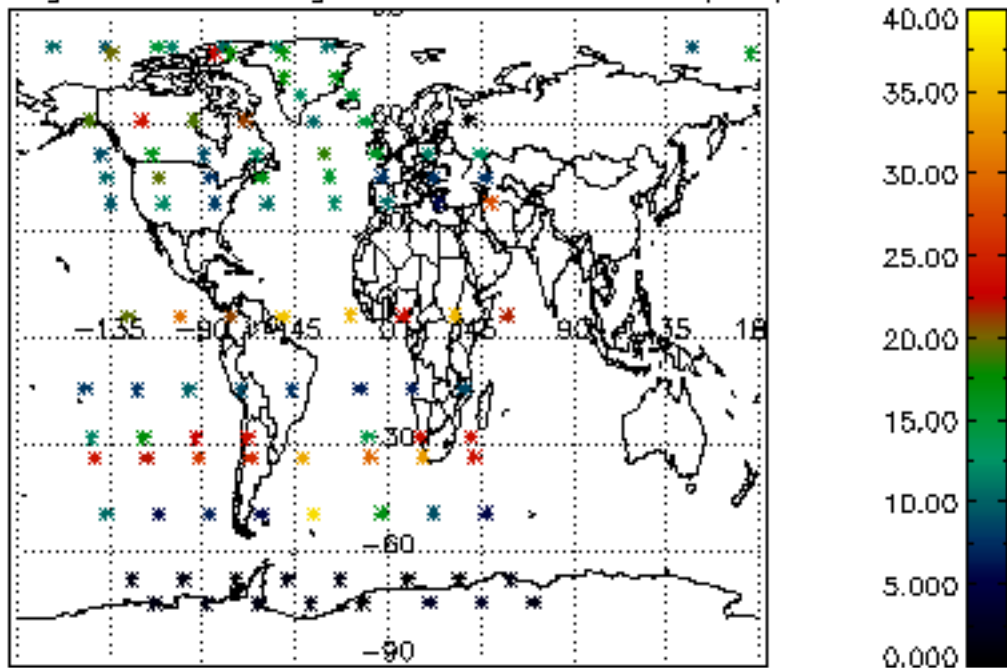
Percentage of cosmic ray hits per profile



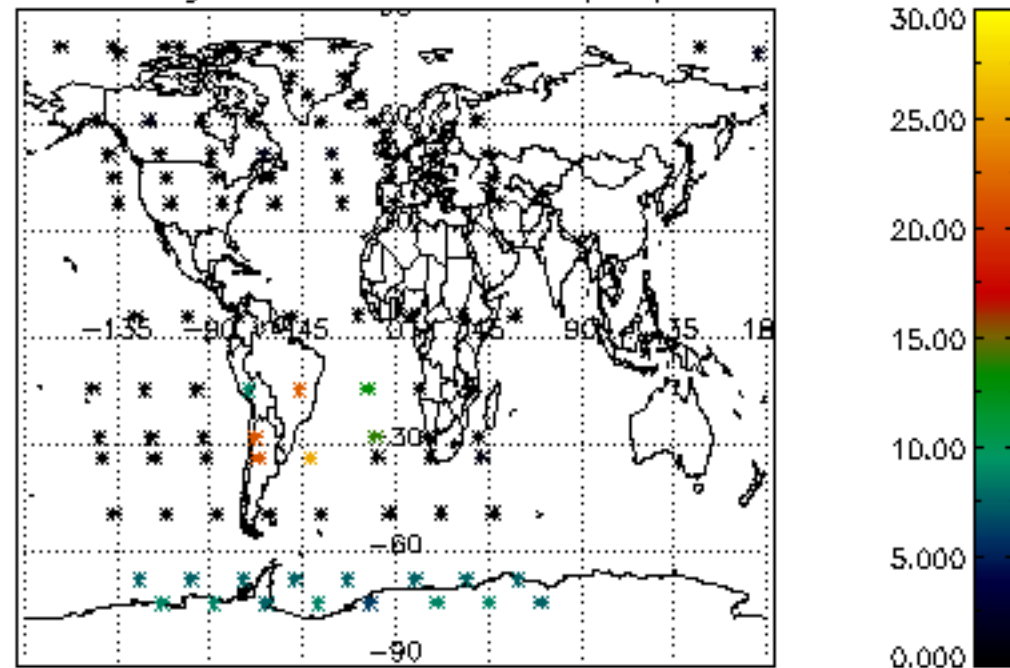
Percentage of datation errors per profile



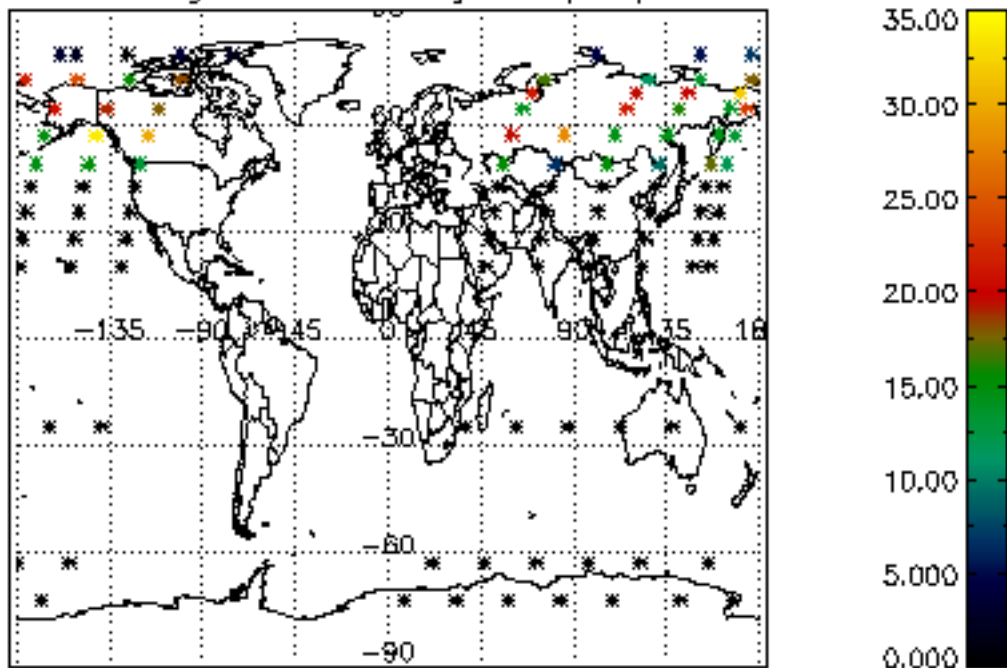
Percentage of star falling outside central band per profile



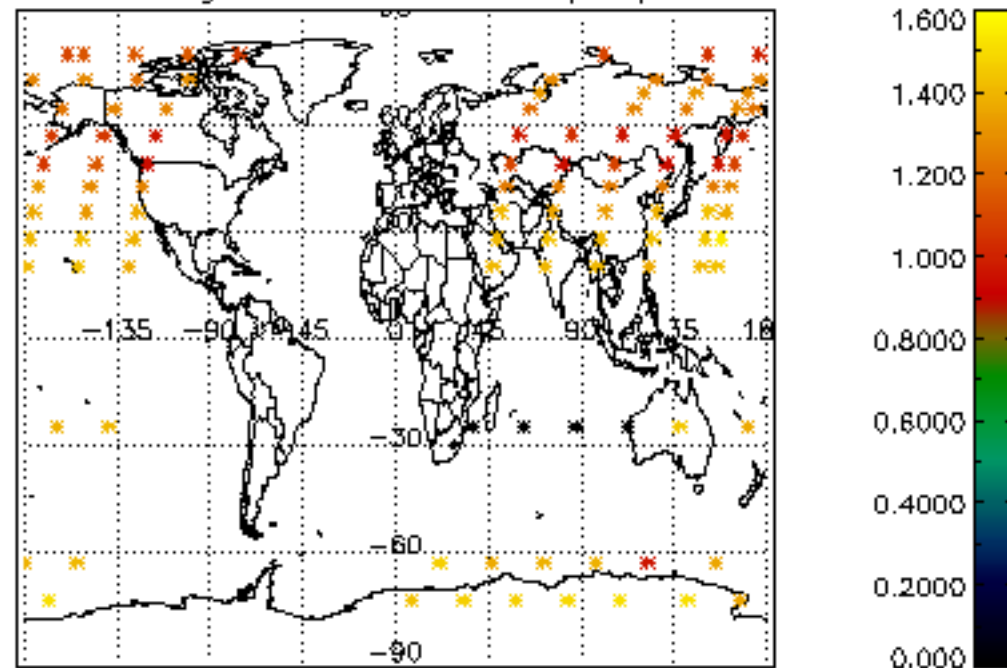
Percentage of saturation errors per profile



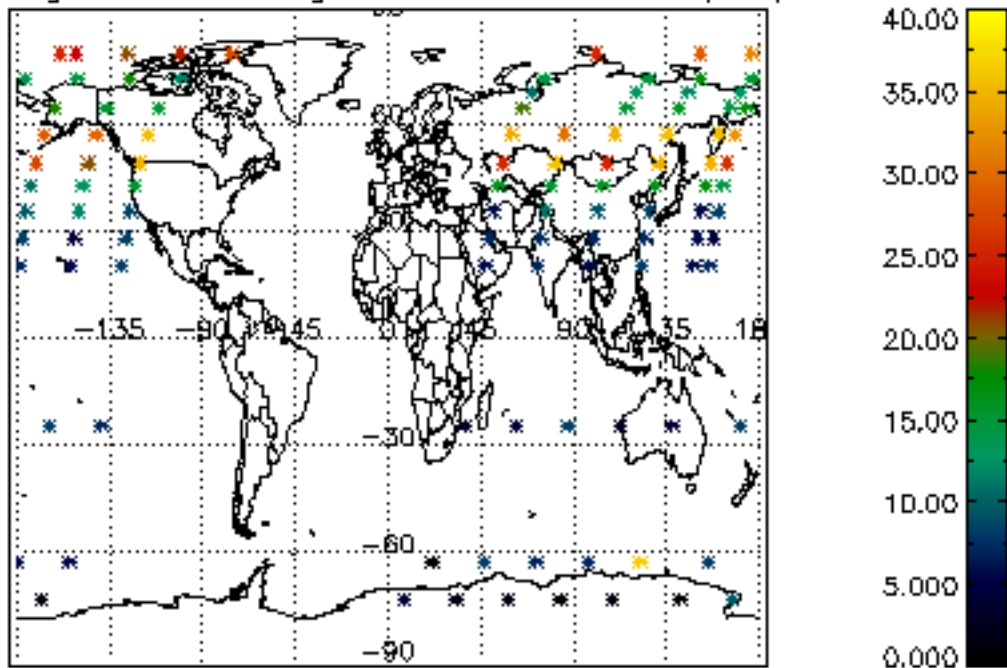
Percentage of cosmic ray hits per profile



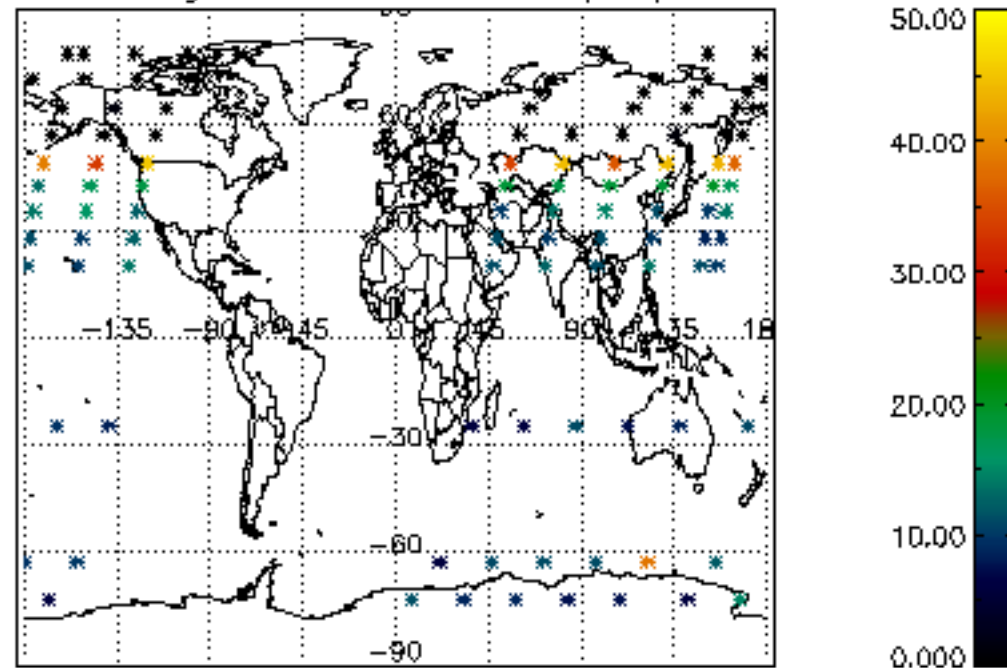
Percentage of datation errors per profile

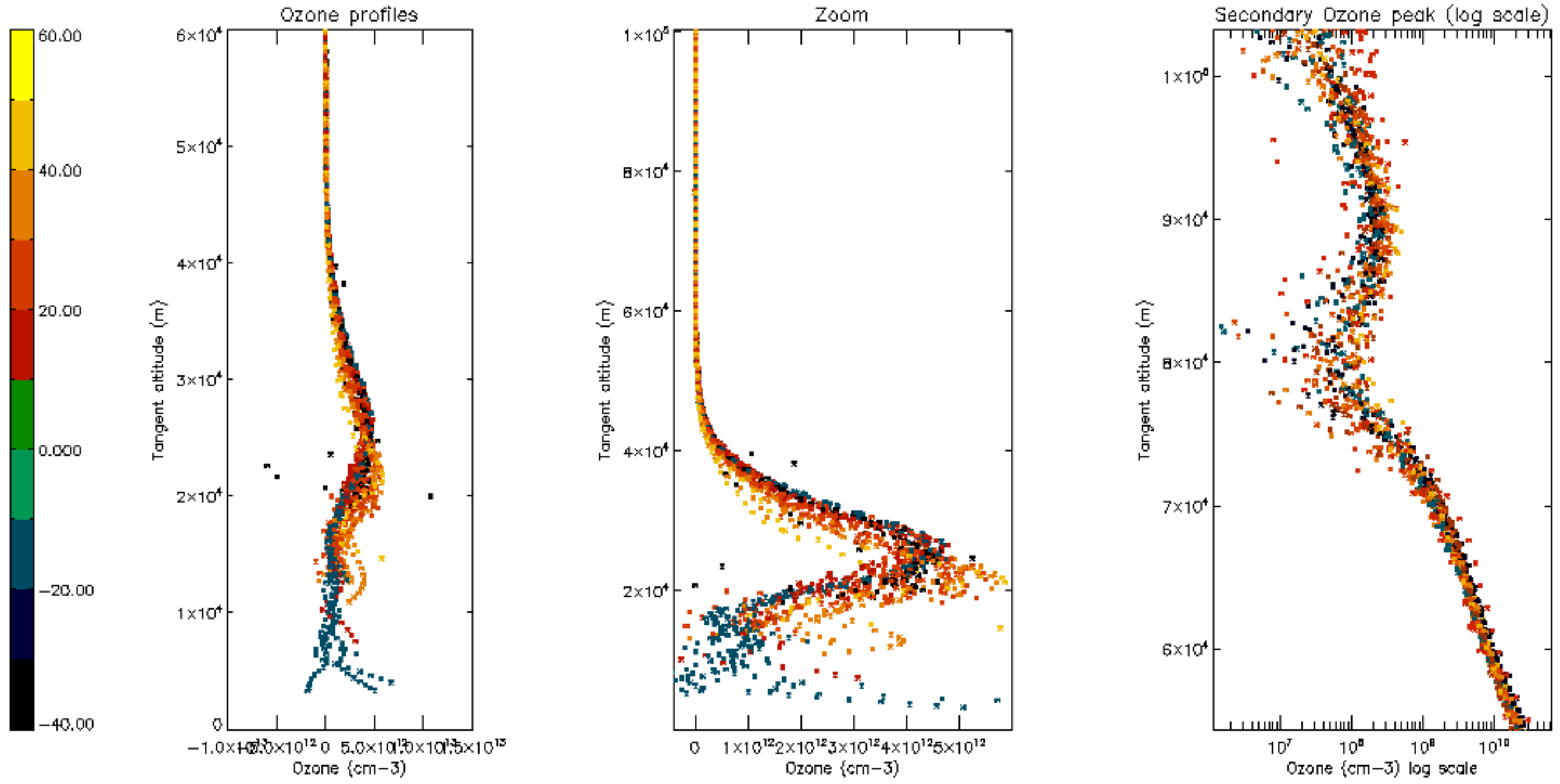


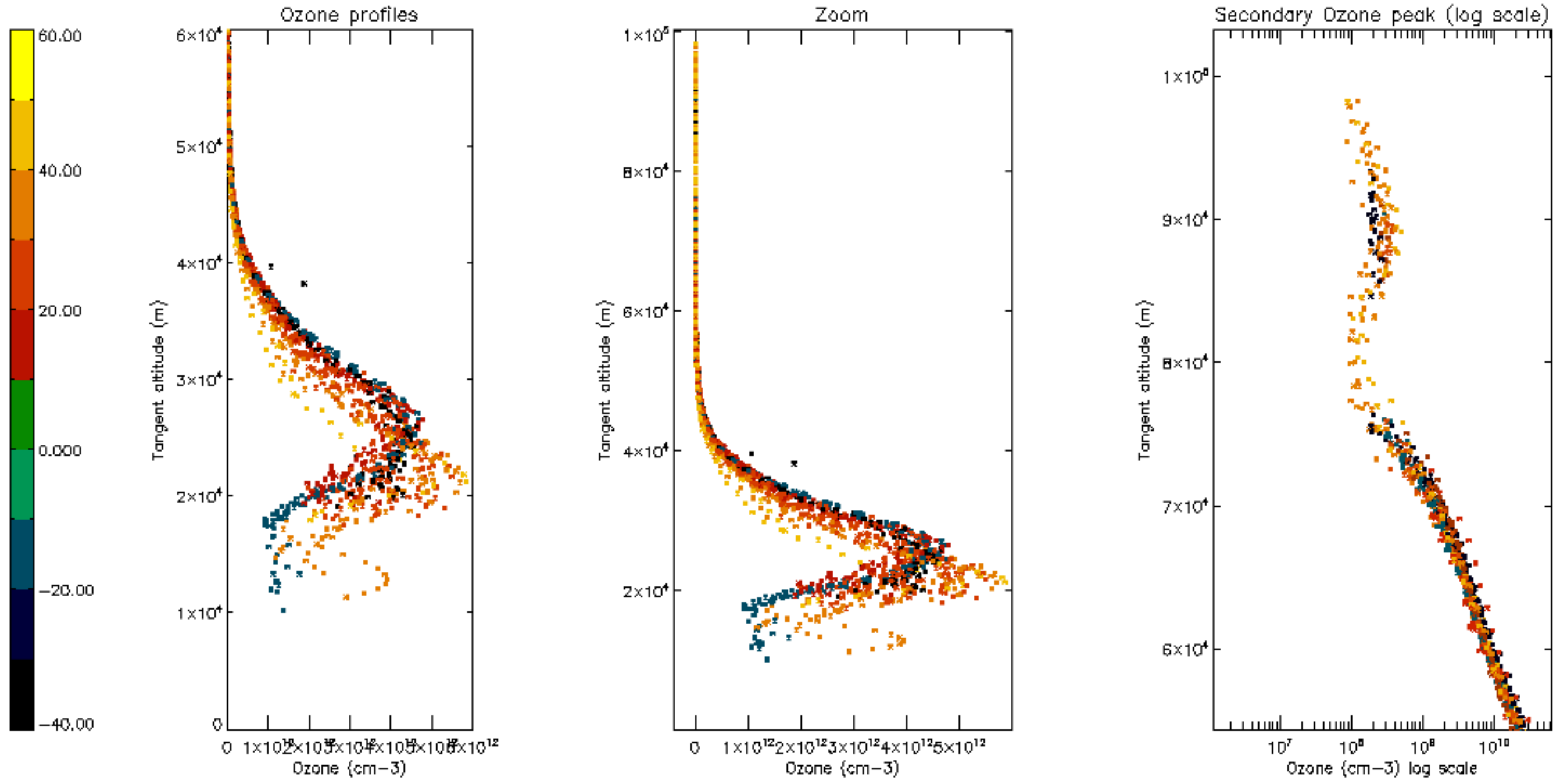
Percentage of star falling outside central band per profile

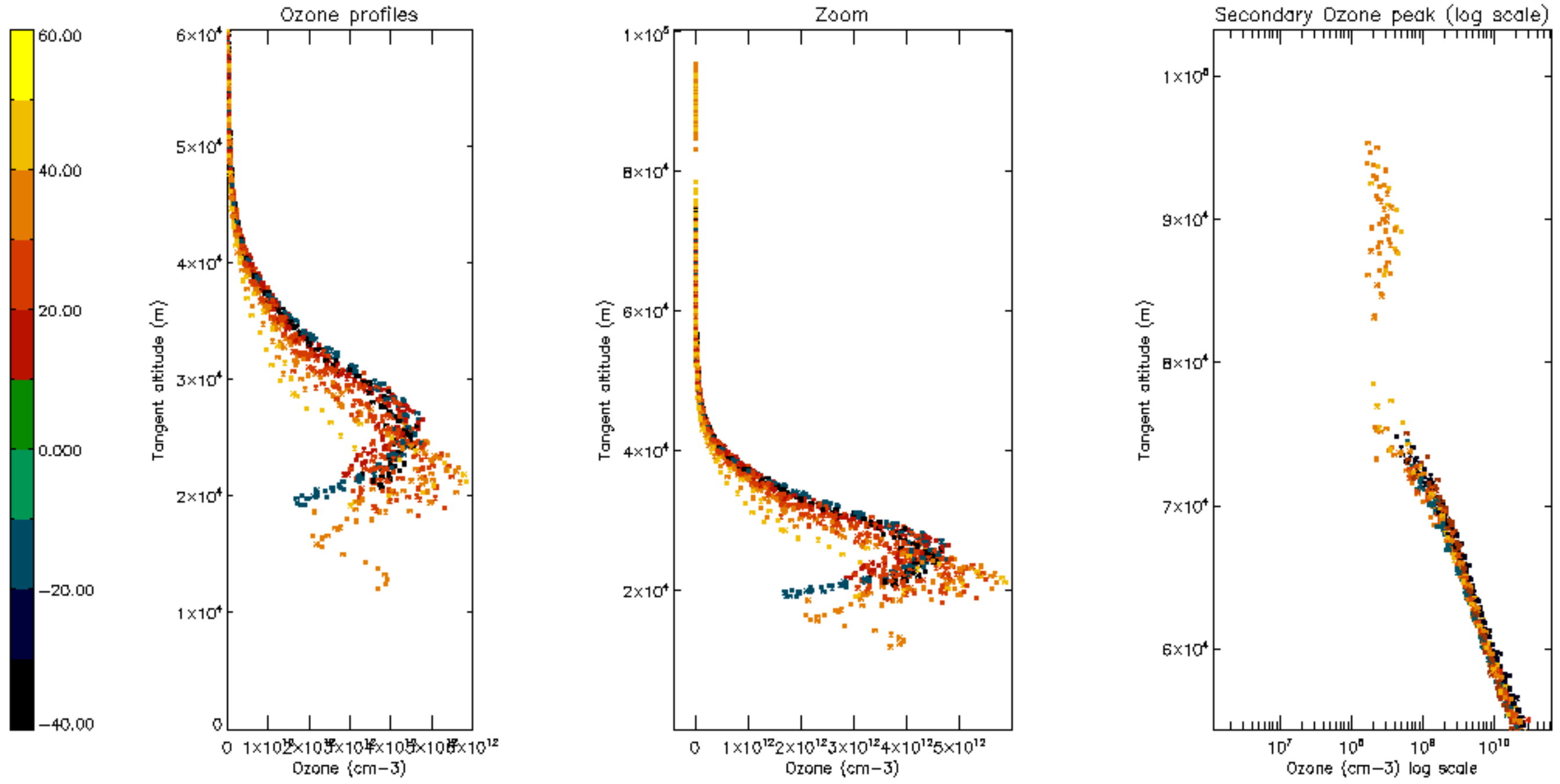


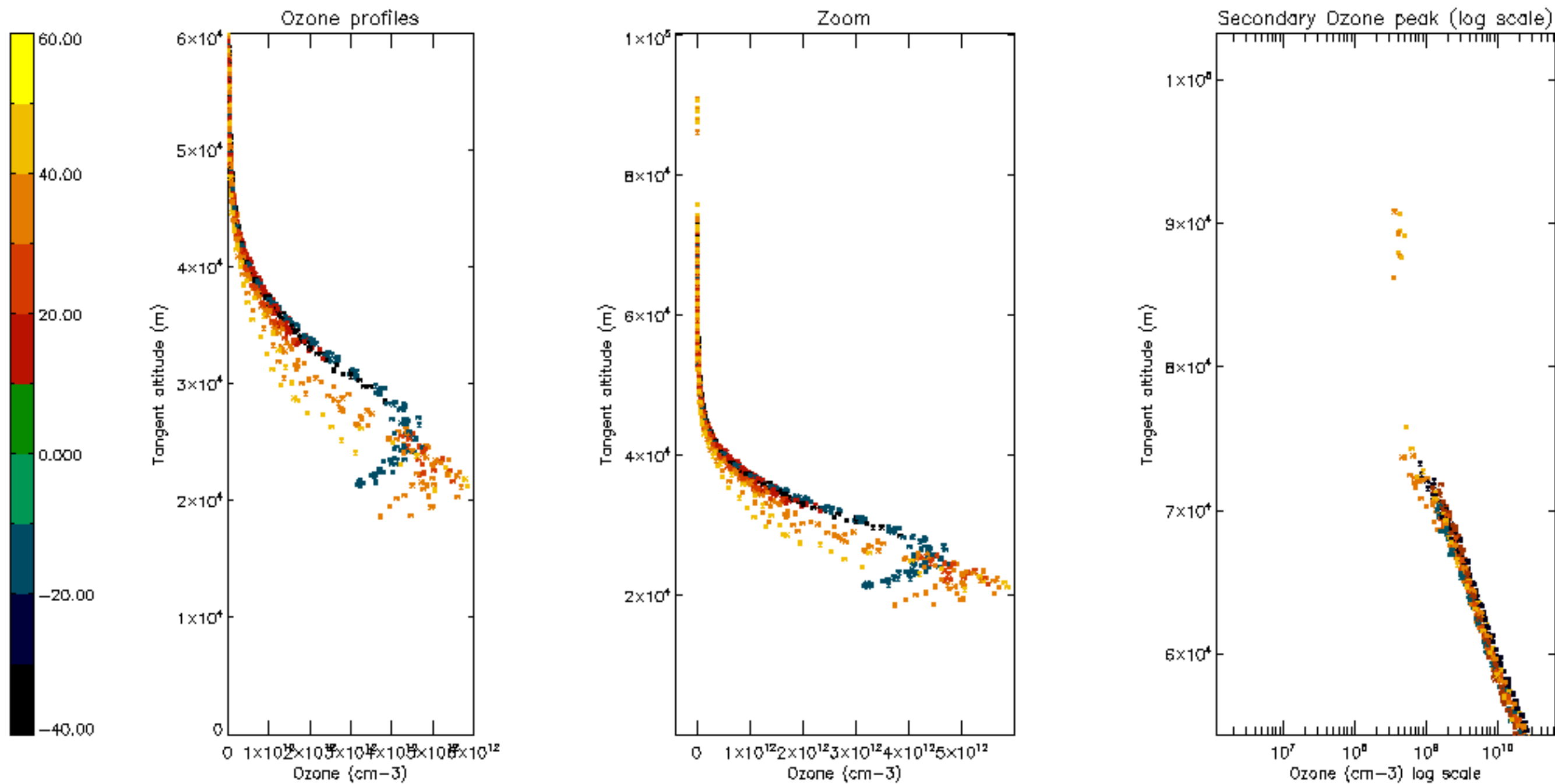
Percentage of saturation errors per profile

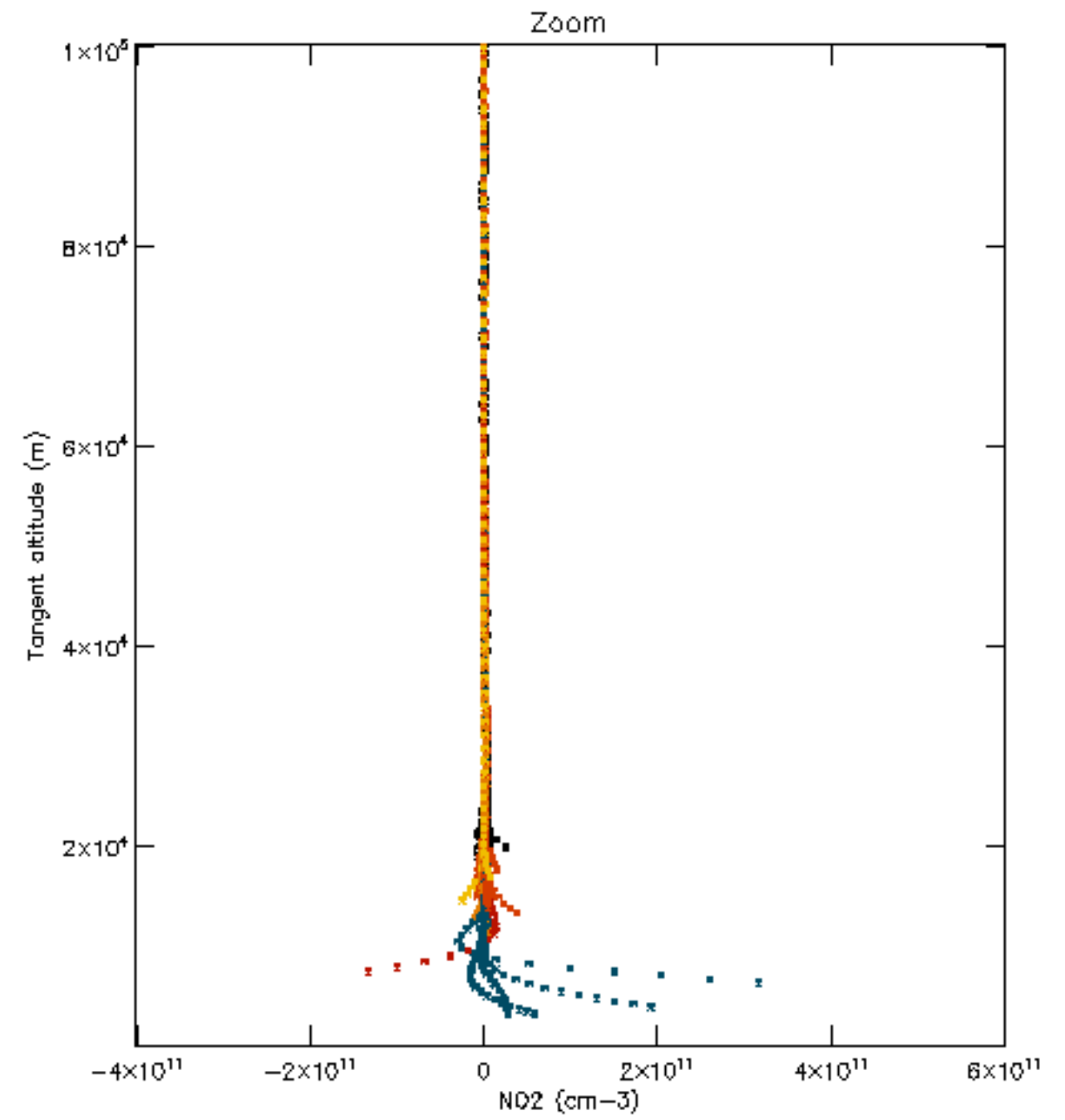
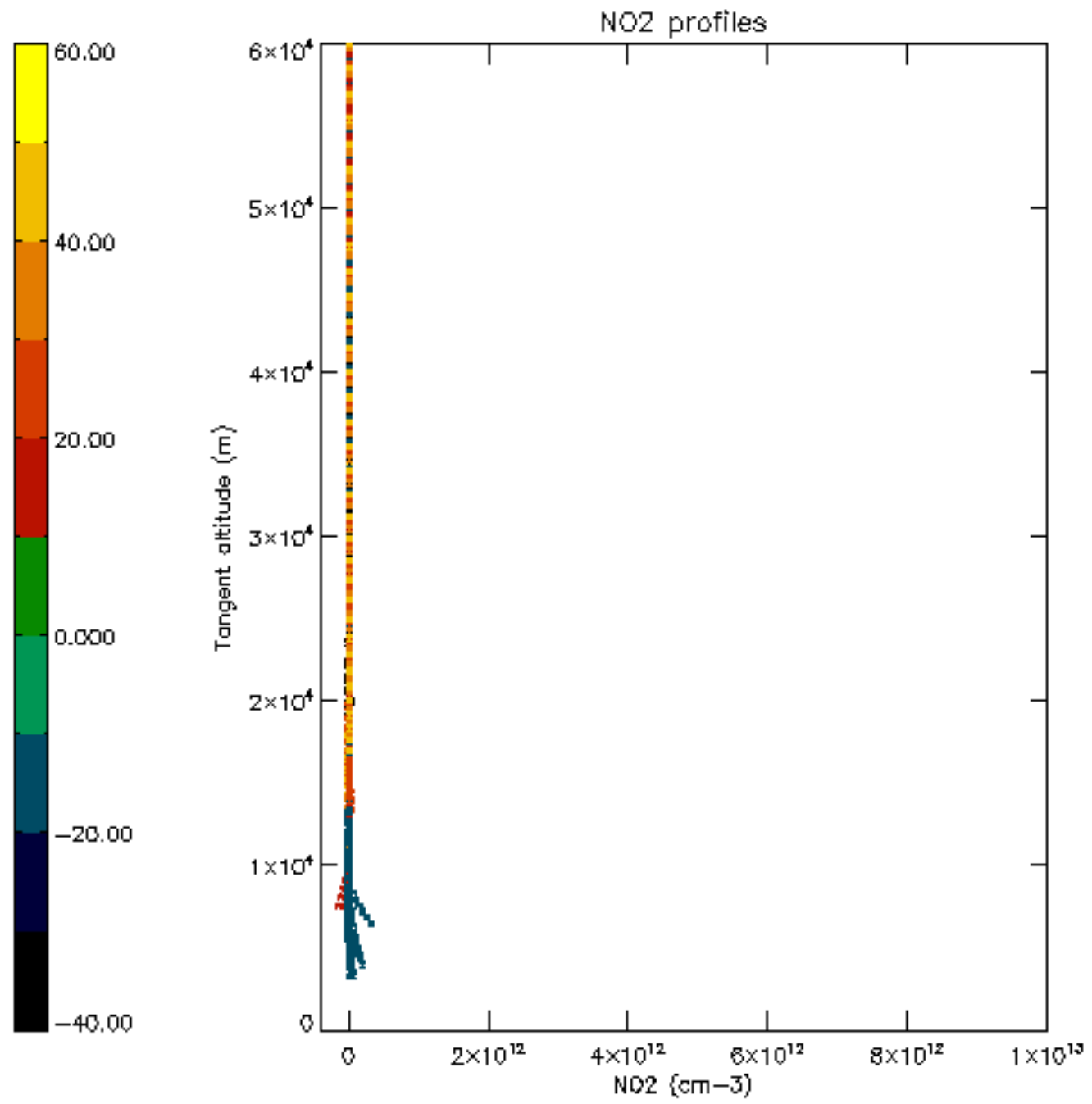


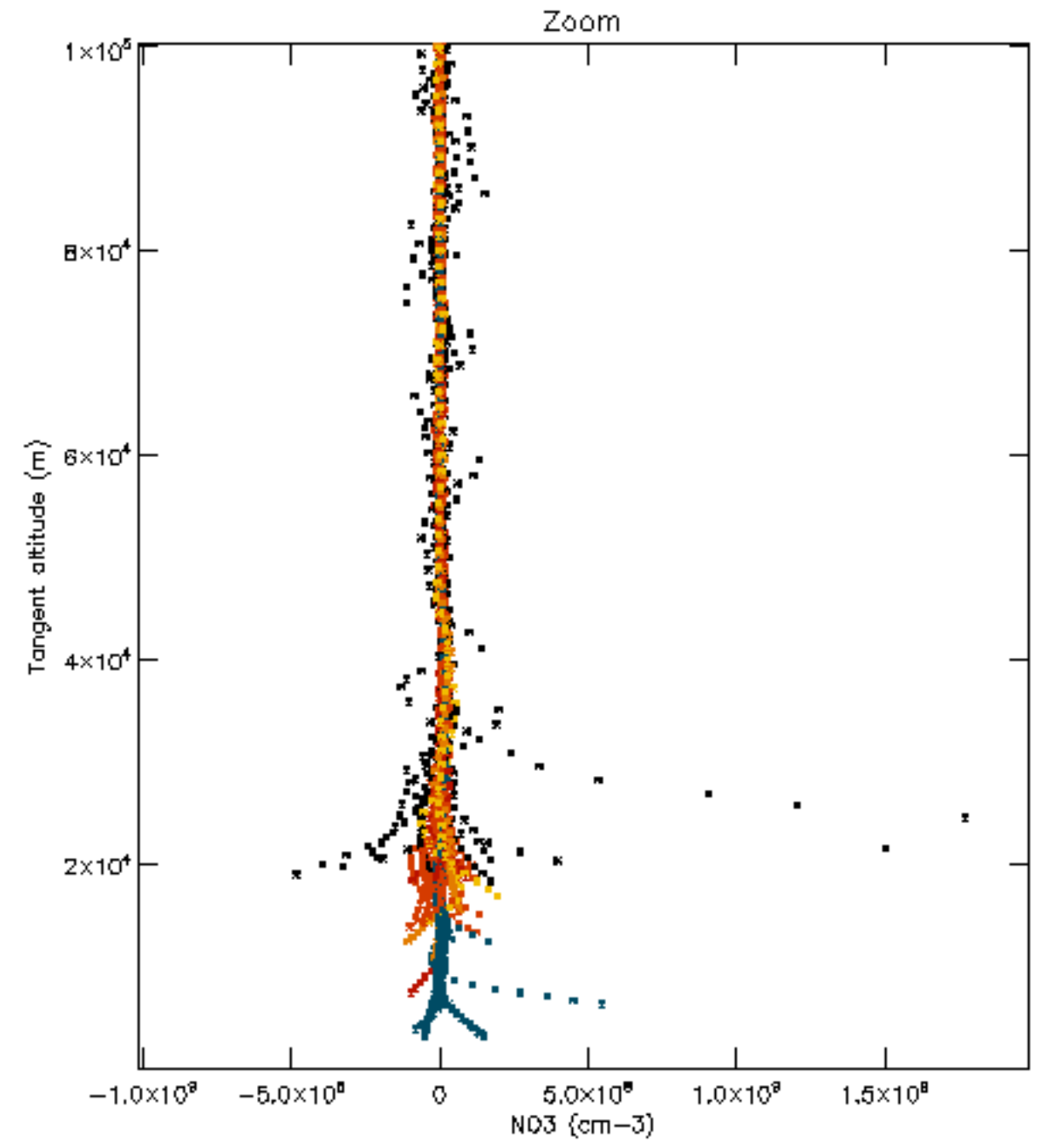
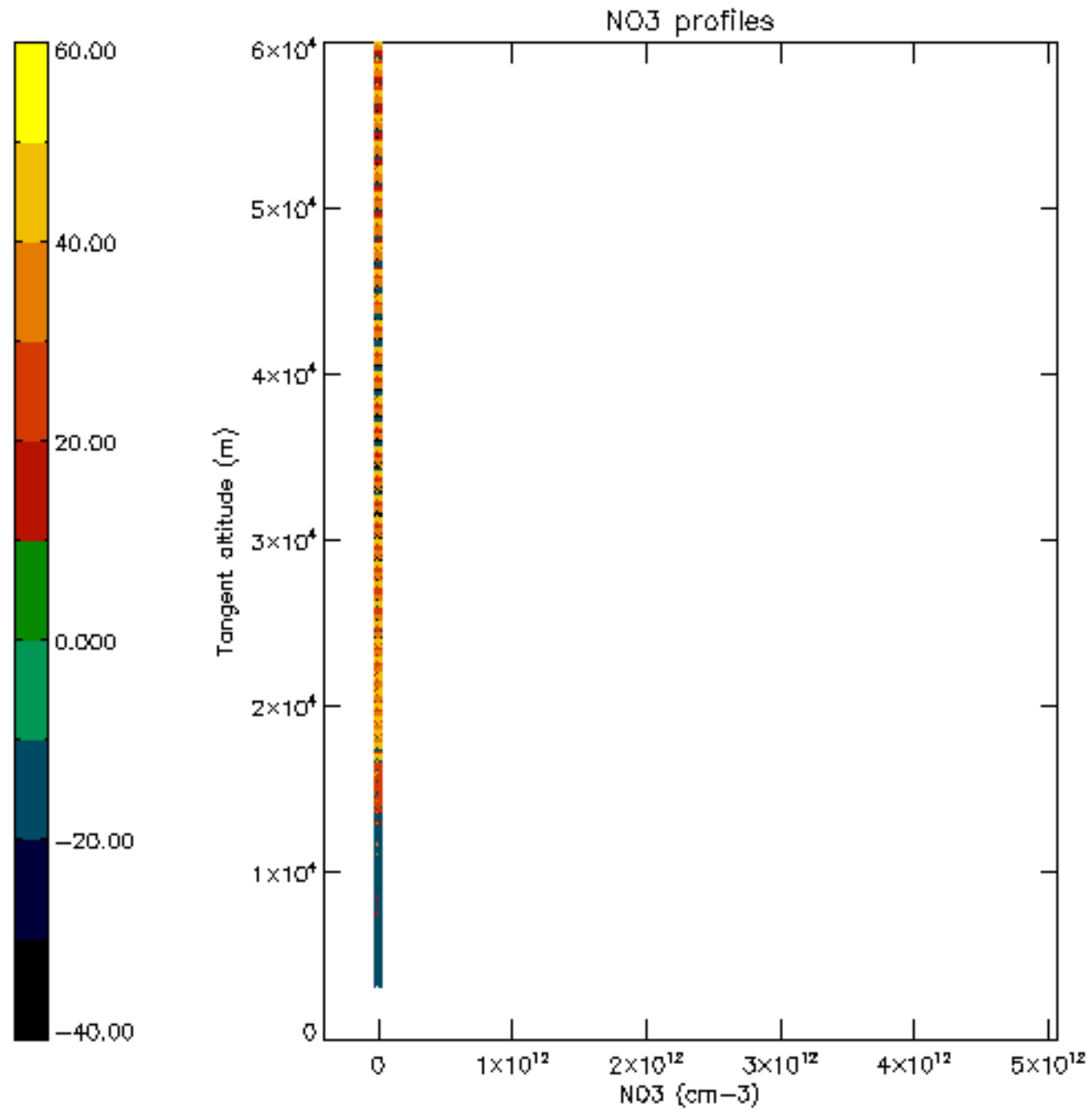


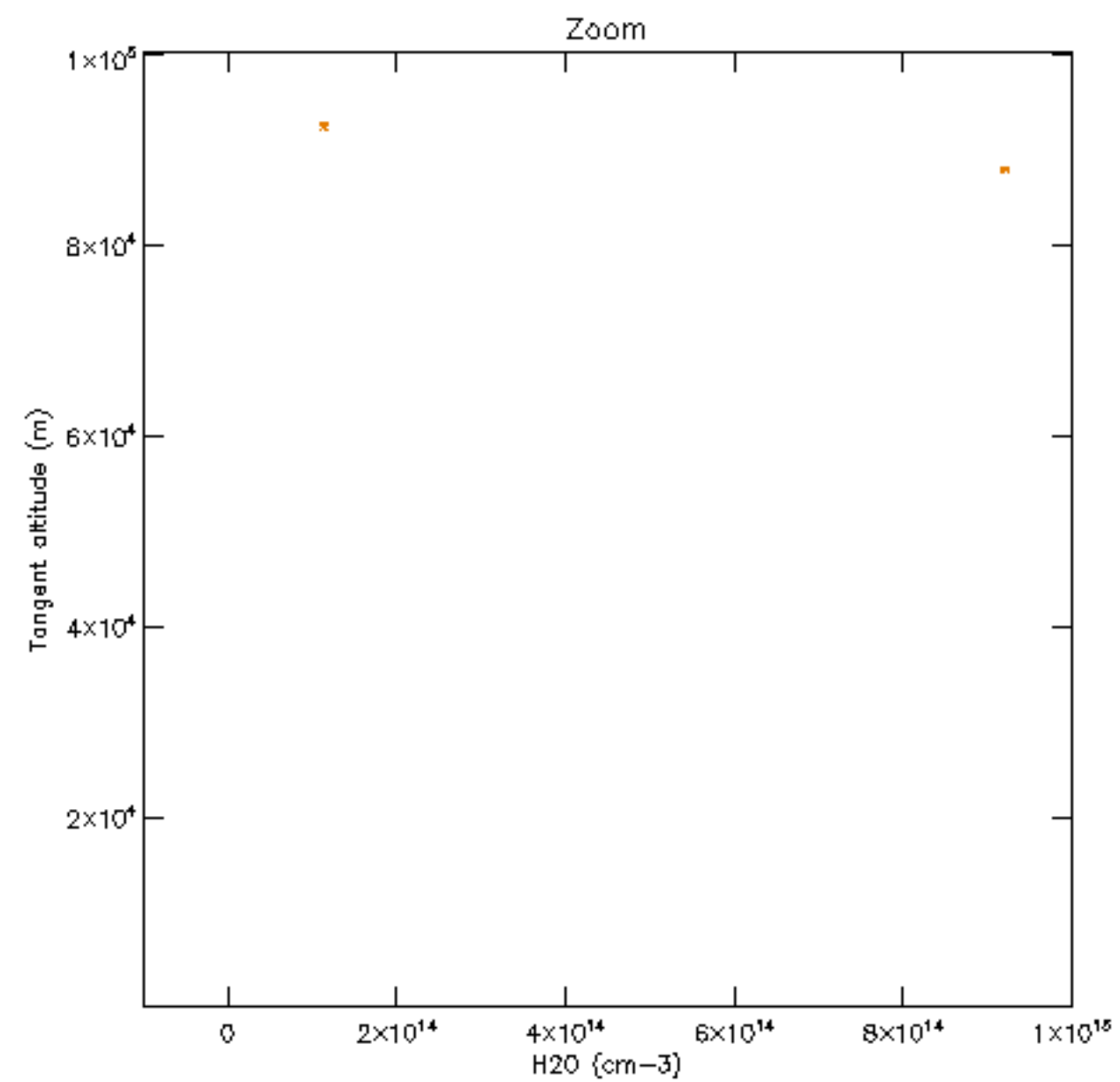
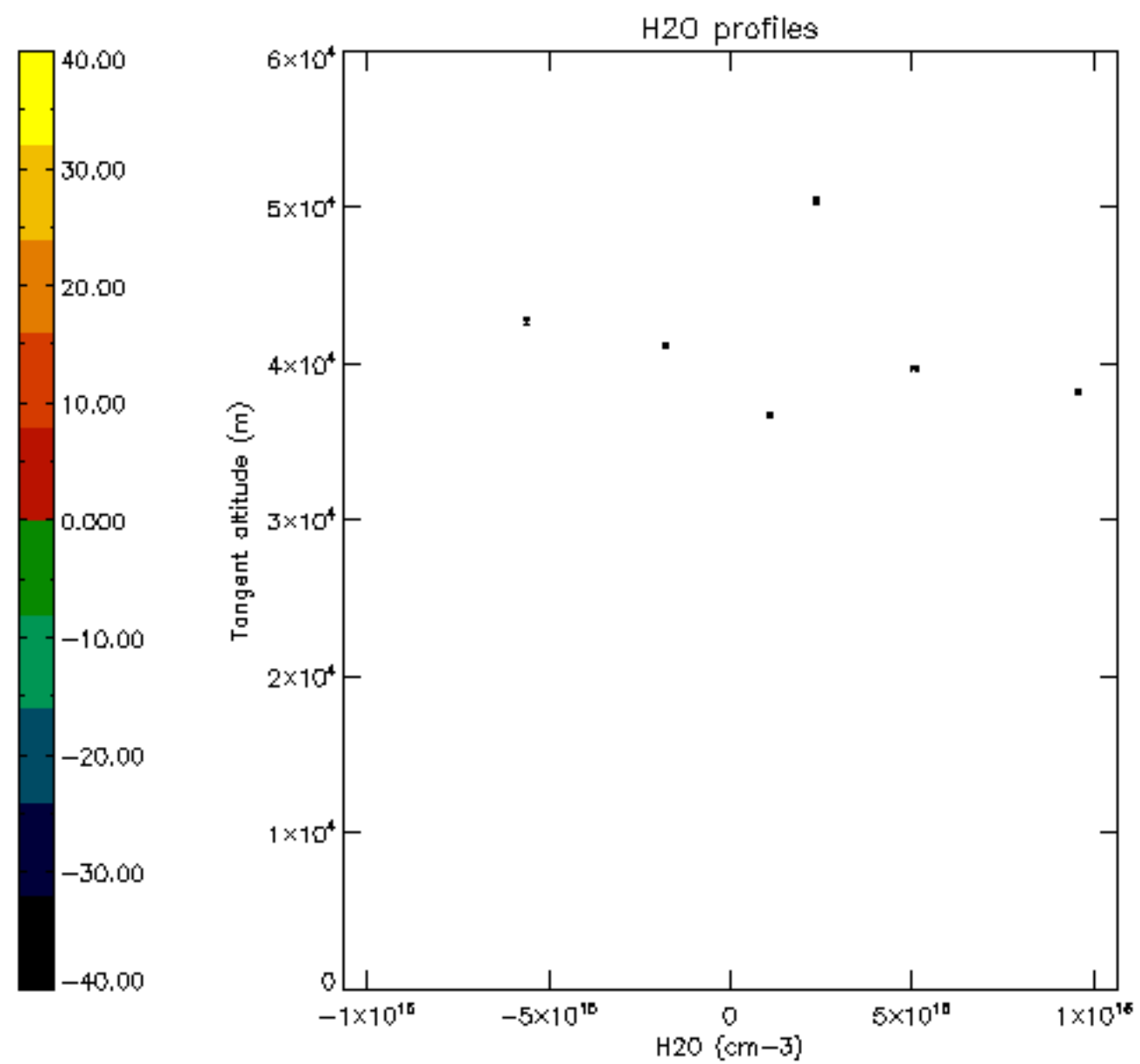


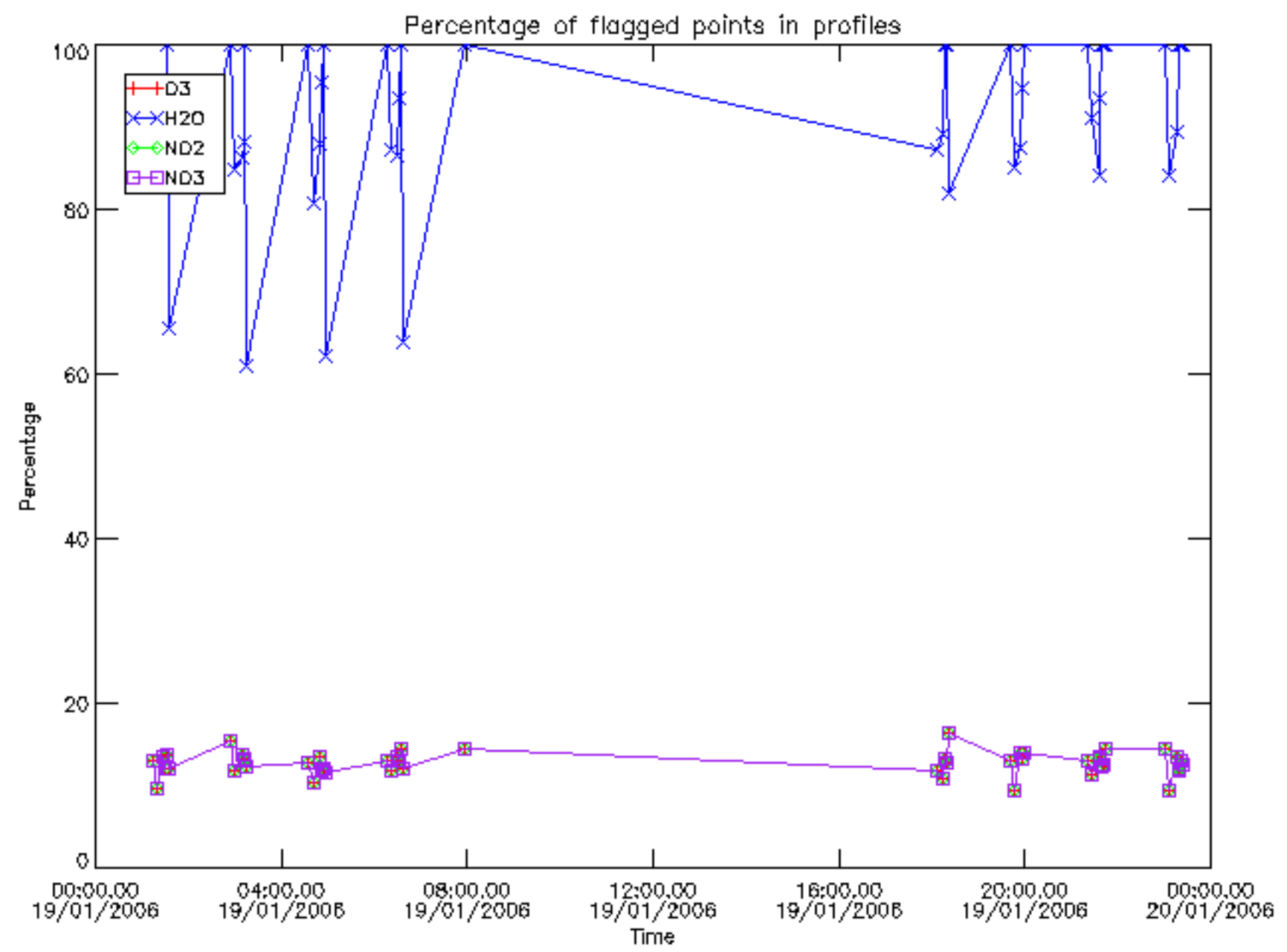




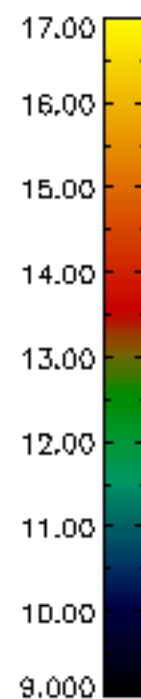
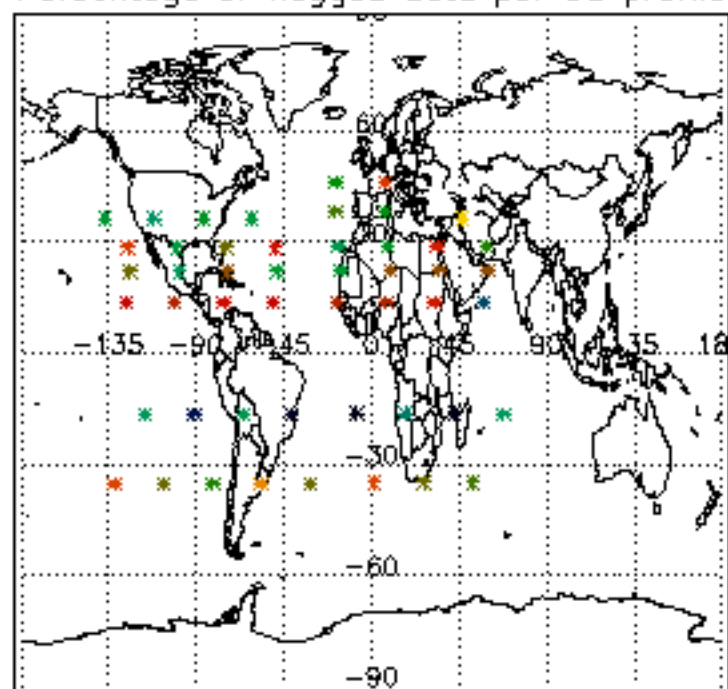




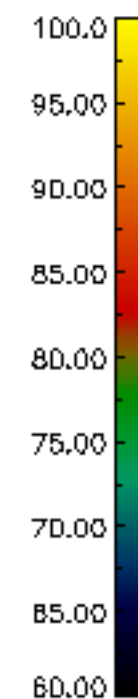
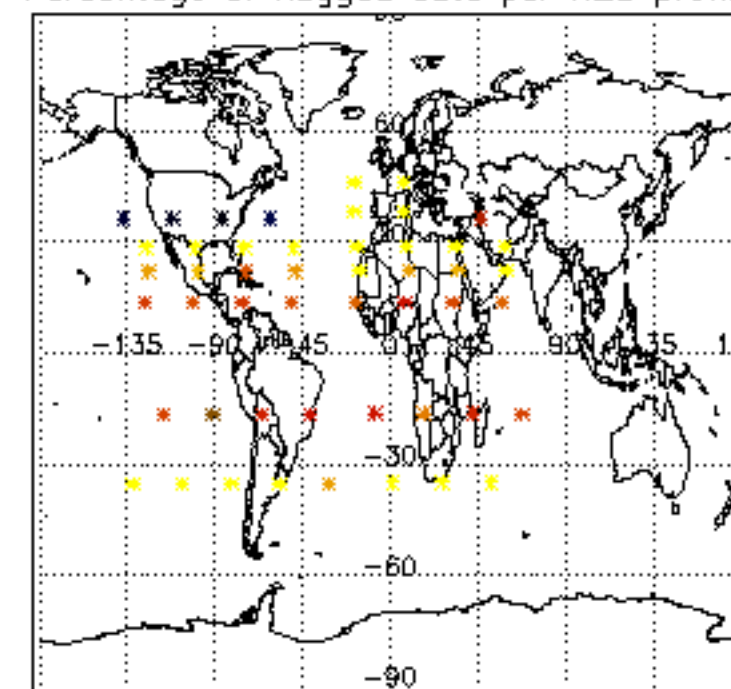




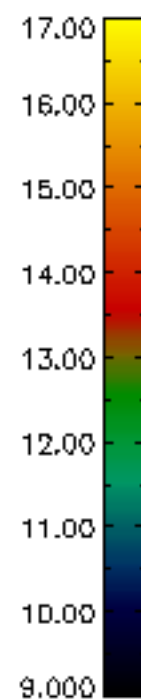
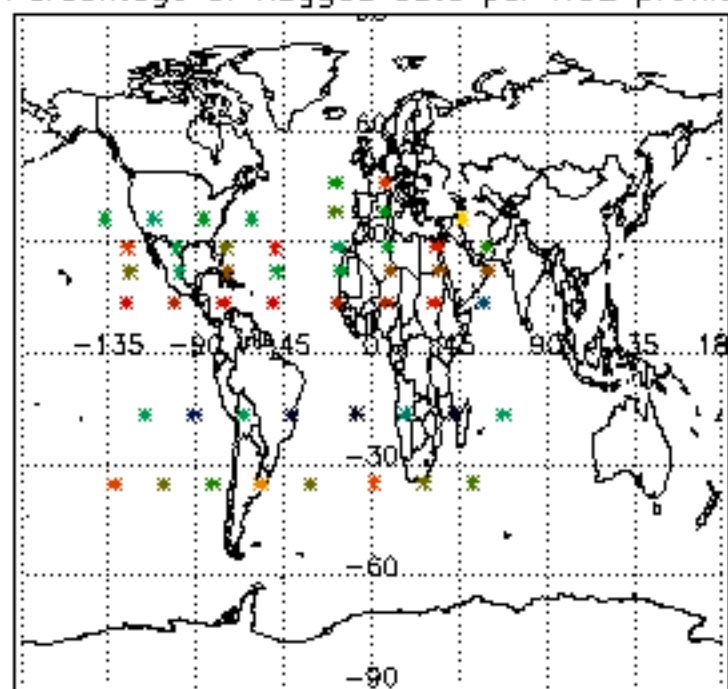
Percentage of flagged data per D3 profile



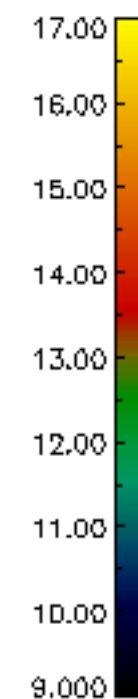
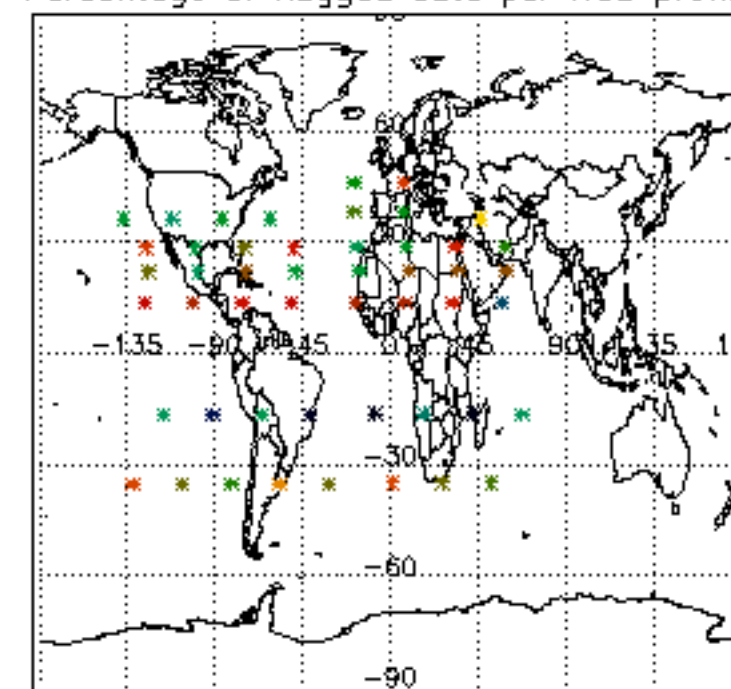
Percentage of flagged data per H2O profile

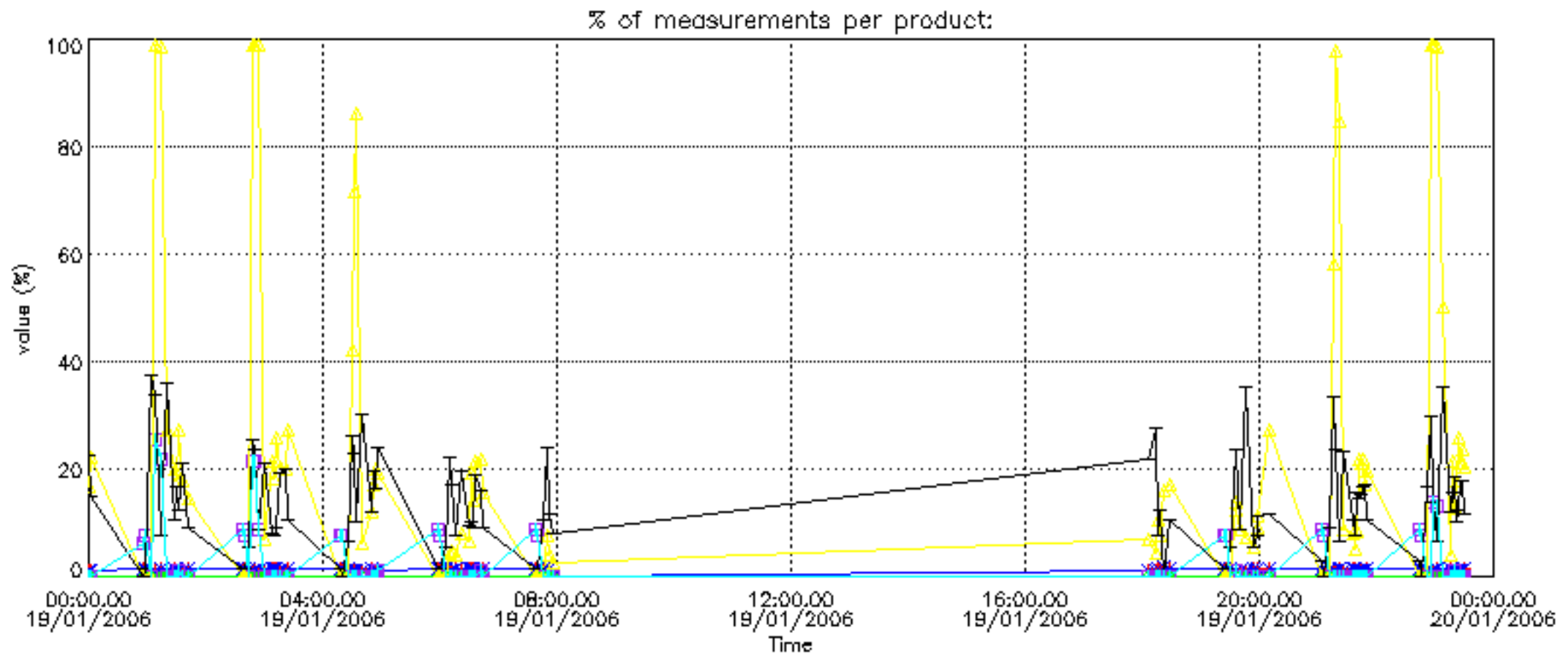


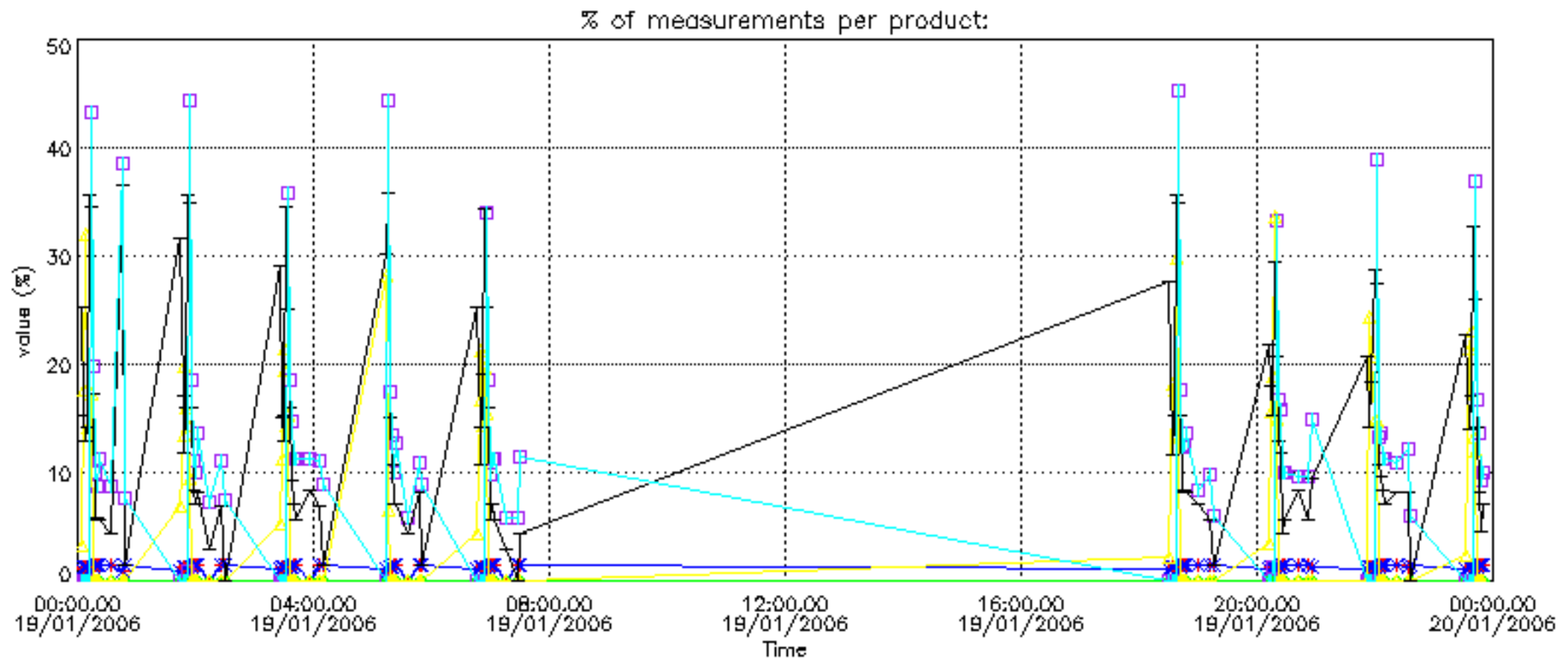
Percentage of flagged data per NO2 profile



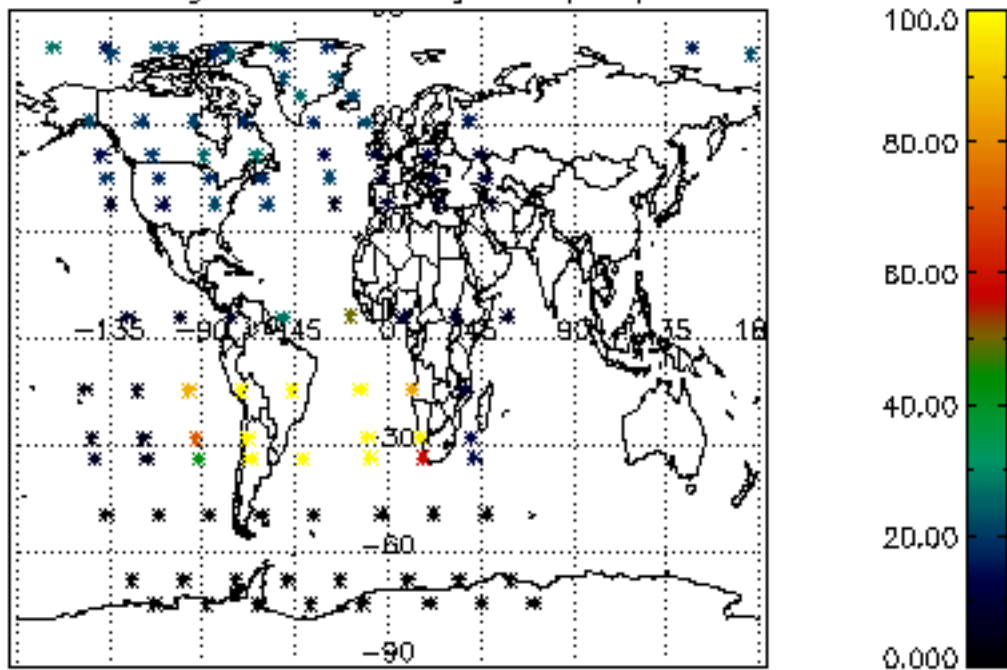
Percentage of flagged data per NO3 profile



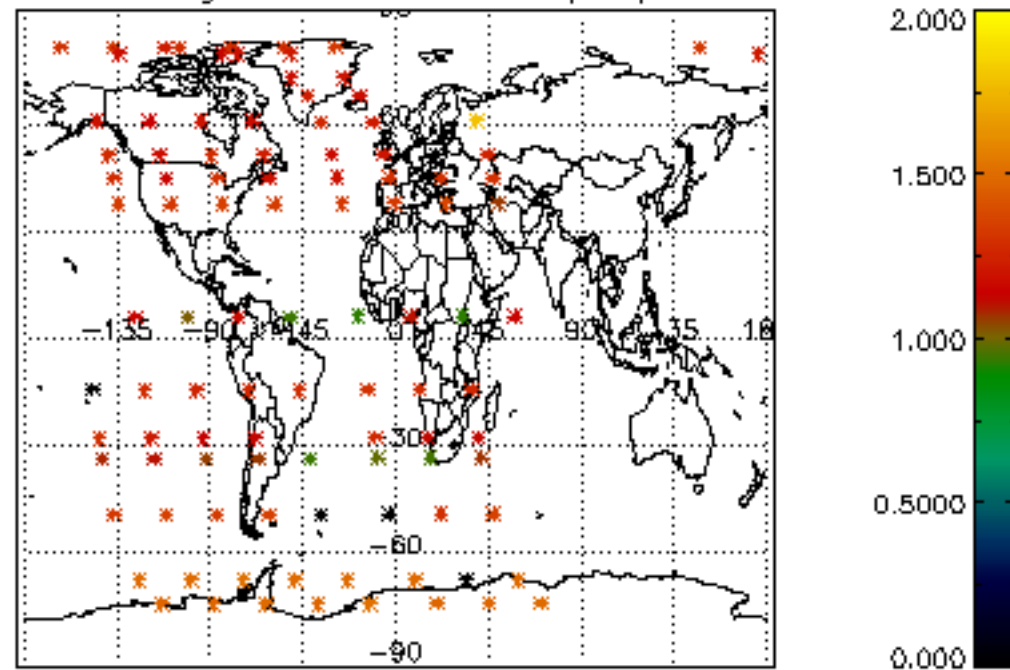




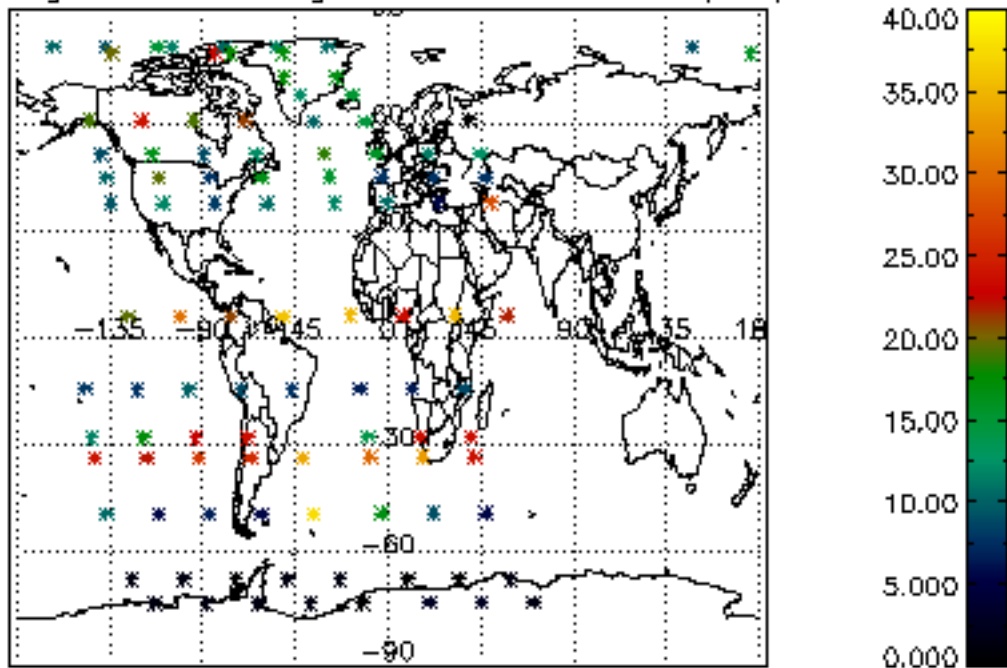
Percentage of cosmic ray hits per profile



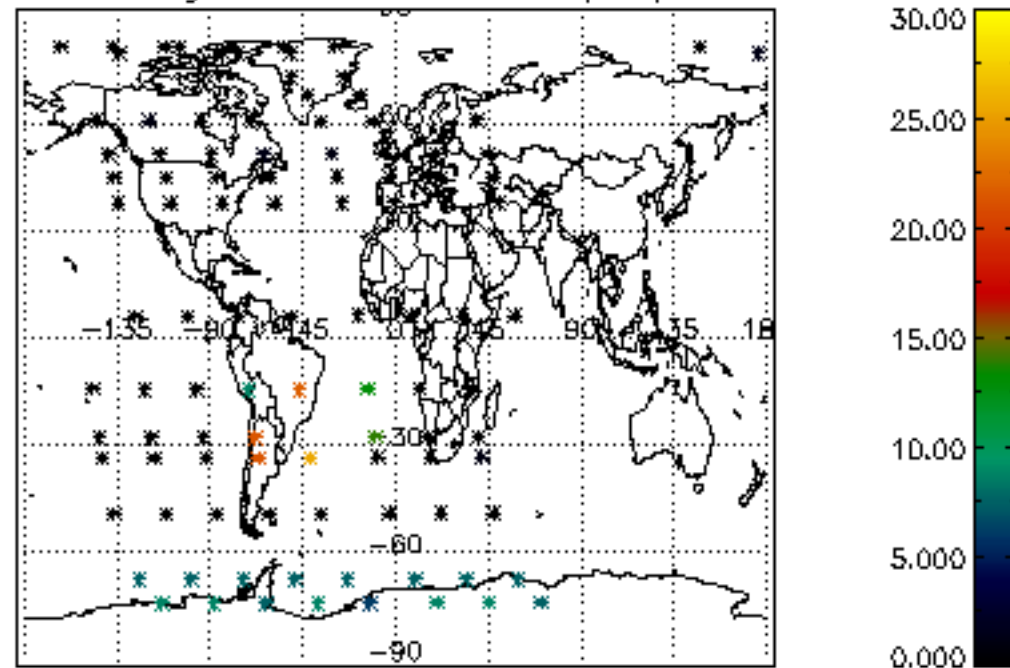
Percentage of datation errors per profile



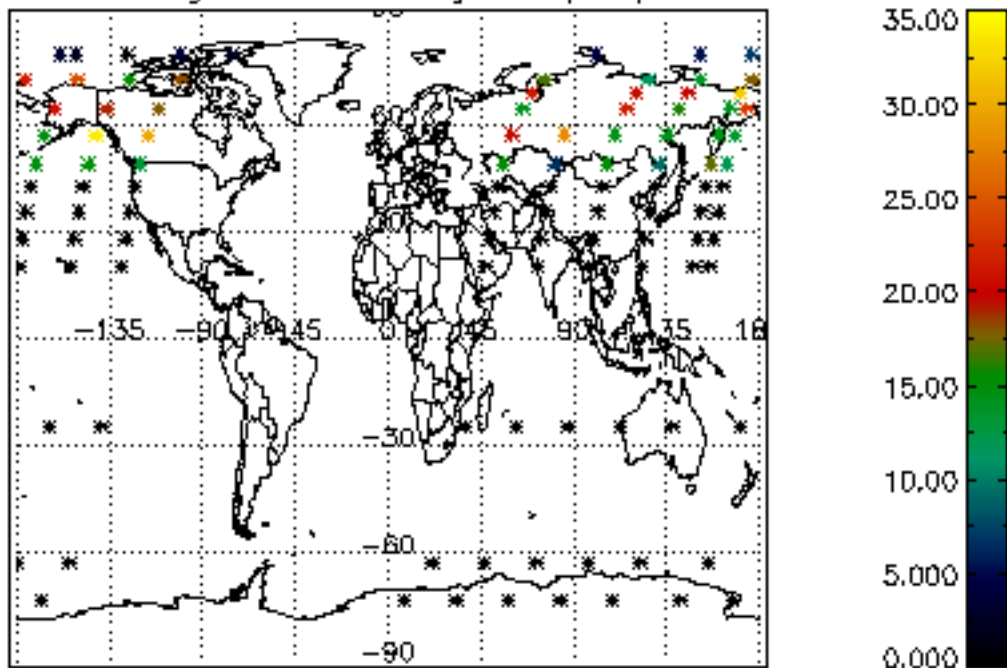
Percentage of star falling outside central band per profile



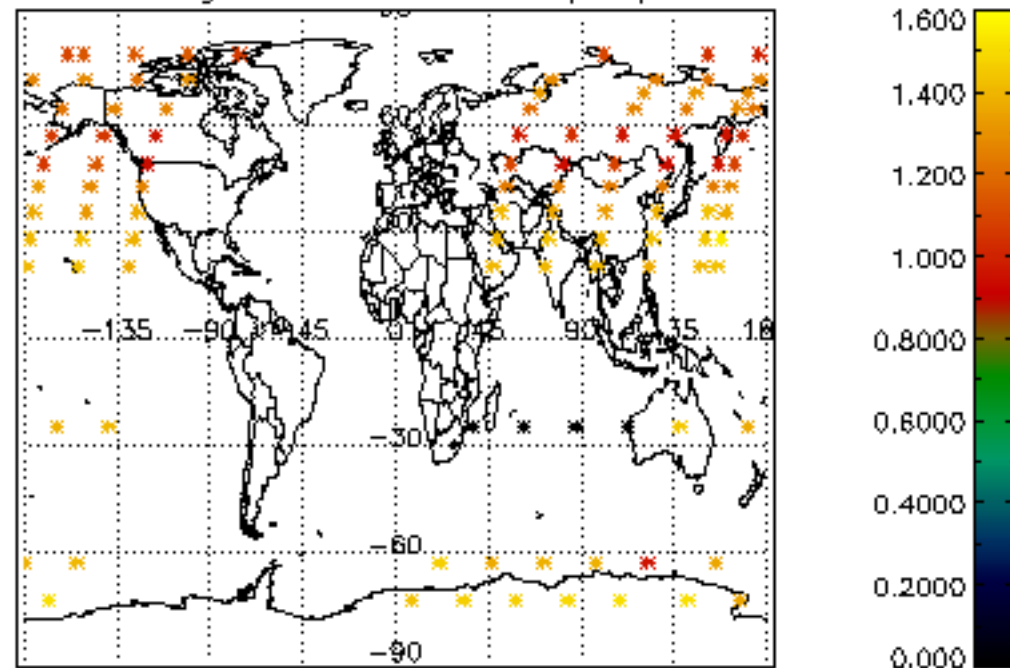
Percentage of saturation errors per profile



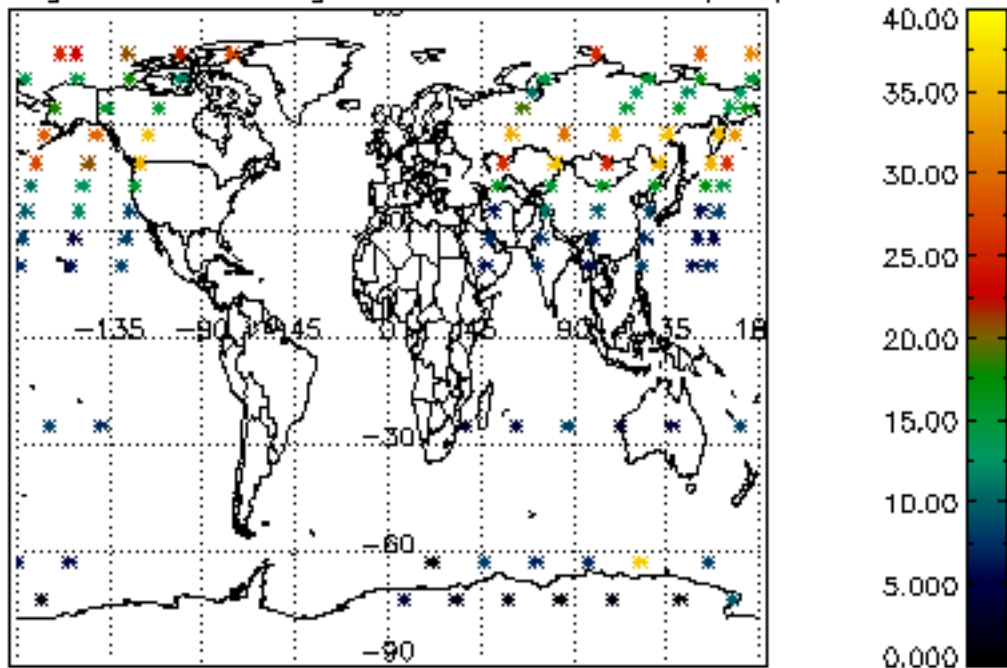
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

