

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	26APR2013 11:50:08
Data source version	GOMOS/6.01
Start time of products	15-08-2009 (15AUG2009 00:00:00)
Stop time of products	16-08-2009 (16AUG2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	247
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090815_000734_000000532081_00360_38991_8338.N1	15-AUG-2009 00:07:34	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	38991	No
2	GOM_NL__2PRFIN20090815_001513_000000552081_00360_38991_8339.N1	15-AUG-2009 00:15:13	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	38991	No
3	GOM_NL__2PRFIN20090815_002058_000000432081_00360_38991_8340.N1	15-AUG-2009 00:20:58	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	38991	No
4	GOM_NL__2PRFIN20090815_002428_000000422081_00360_38991_8341.N1	15-AUG-2009 00:24:28	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	38991	No
5	GOM_NL__2PRFIN20090815_002634_000000502081_00360_38991_8342.N1	15-AUG-2009 00:26:34	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	38991	No
6	GOM_NL__2PRFIN20090815_002947_000000472081_00360_38991_8343.N1	15-AUG-2009 00:29:47	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	38991	No
7	GOM_NL__2PRFIN20090815_004448_000000392081_00360_38991_8344.N1	15-AUG-2009 00:44:48	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	38991	No
8	GOM_NL__2PRFIN20090815_004946_000000492081_00360_38991_8345.N1	15-AUG-2009 00:49:46	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	38991	No
9	GOM_NL__2PRFIN20090815_005158_000000482081_00360_38991_8346.N1	15-AUG-2009 00:51:58	Bright	48.000	76	27Gam Cas	2.3000	30000.0	96	38991	No
10	GOM_NL__2PRFIN20090815_010422_000000482081_00360_38991_8347.N1	15-AUG-2009 01:04:22	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	38991	No
11	GOM_NL__2PRFIN20090815_010713_000000392081_00360_38991_8348.N1	15-AUG-2009 01:07:13	Bright	39.000	107	37The Aur	2.6490	11000.0	78	38991	No
12	GOM_NL__2PRFIN20090815_011018_000000502081_00360_38991_8349.N1	15-AUG-2009 01:10:18	Twilight_and_stray	50.000	28	12Bet Tau	1.6500	15200.0	100	38991	No
13	GOM_NL__2PRFIN20090815_011238_000000482081_00360_38991_8350.N1	15-AUG-2009 01:12:38	Twilight_and_stray	47.500	176	23Zet Tau	3.0200	22000.0	95	38991	No
14	GOM_NL__2PRFIN20090815_011633_000000592081_00360_38991_8351.N1	15-AUG-2009 01:16:33	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	38991	No
15	GOM_NL__2PRFIN20090815_011942_000000482081_00360_38991_8352.N1	15-AUG-2009 01:19:42	Dark	48.000	30	46Eps Ori	1.6940	30000.0	96	38991	No
16	GOM_NL__2PRFIN20090815_012107_000000452081_00360_38991_8353.N1	15-AUG-2009 01:21:07	Dark	45.000	125	44Iot Ori	2.7700	30000.0	90	38991	No
17	GOM_NL__2PRFIN20090815_012239_000000592081_00360_38991_8354.N1	15-AUG-2009 01:22:39	Dark	58.500	7	19Bet Ori	0.10000	14000.0	117	38991	No
18	GOM_NL__2PRFIN20090815_013815_000000512081_00361_38992_8352.N1	15-AUG-2009 01:38:15	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38992	No
19	GOM_NL__2PRFIN20090815_014811_000000552081_00361_38992_8353.N1	15-AUG-2009 01:48:11	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	38992	No
20	GOM_NL__2PRFIN20090815_015549_000000552081_00361_38992_8354.N1	15-AUG-2009 01:55:49	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	38992	No
21	GOM_NL__2PRFIN20090815_020134_000000452081_00361_38992_8355.N1	15-AUG-2009 02:01:34	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	38992	No
22	GOM_NL__2PRFIN20090815_020504_000000412081_00361_38992_8356.N1	15-AUG-2009 02:05:04	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	38992	No
23	GOM_NL__2PRFIN20090815_020710_000000512081_00361_38992_8357.N1	15-AUG-2009 02:07:10	Bright	50.500	162	34Alp Aqr	2.9440	5350.0	101	38992	No
24	GOM_NL__2PRFIN20090815_021022_000000472081_00361_38992_8358.N1	15-AUG-2009 02:10:22	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	38992	No
25	GOM_NL__2PRFIN20090815_022525_000000352081_00361_38992_8359.N1	15-AUG-2009 02:25:25	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	38992	No
26	GOM_NL__2PRFIN20090815_023021_000000472081_00361_38992_8360.N1	15-AUG-2009 02:30:21	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	38992	No
27	GOM_NL__2PRFIN20090815_023234_000000472081_00361_38992_8361.N1	15-AUG-2009 02:32:34	Bright	47.000	76	27Gam Cas	2.3000	30000.0	94	38992	No
28	GOM_NL__2PRFIN20090815_024458_000000512081_00361_38992_8362.N1	15-AUG-2009 02:44:58	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	38992	No
29	GOM_NL__2PRFIN20090815_024749_000000392081_00361_38992_8363.N1	15-AUG-2009 02:47:49	Bright	39.000	107	37The Aur	2.6490	11000.0	78	38992	No
30	GOM_NL__2PRFIN20090815_025054_000000482081_00361_38992_8364.N1	15-AUG-2009 02:50:54	Twilight_and_stray	48.000	28	12Bet Tau	1.6500	15200.0	96	38992	No
31	GOM_NL__2PRFIN20090815_025314_000000472081_00361_38992_8365.N1	15-AUG-2009 02:53:14	Twilight_and_stray	47.000	176	23Zet Tau	3.0200	22000.0	94	38992	No
32	GOM_NL__2PRFIN20090815_025709_000000592081_00361_38992_8366.N1	15-AUG-2009 02:57:09	Dark	58.500	14	58Alp Ori	0.87000	3000.0	117	38992	No
33	GOM_NL__2PRFIN20090815_030018_000000482081_00361_38992_8367.N1	15-AUG-2009 03:00:18	Dark	47.500	30	46Eps Ori	1.6940	30000.0	95	38992	No
34	GOM_NL__2PRFIN20090815_030143_000000462081_00361_38992_8368.N1	15-AUG-2009 03:01:43	Dark	45.500	125	44Iot Ori	2.7700	30000.0	91	38992	No
35	GOM_NL__2PRFIN20090815_030315_000000612081_00361_38992_8369.N1	15-AUG-2009 03:03:15	Dark	60.500	7	19Bet Ori	0.10000	14000.0	121	38992	No
36	GOM_NL__2PRFIN20090815_031853_000000512081_00362_38993_8367.N1	15-AUG-2009 03:18:53	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38993	No
37	GOM_NL__2PRFIN20090815_032848_000000522081_00362_38993_8368.N1	15-AUG-2009 03:28:48	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38993	No
38	GOM_NL__2PRFIN20090815_033625_000000552081_00362_38993_8369.N1	15-AUG-2009 03:36:25	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	38993	No
39	GOM_NL__2PRFIN20090815_034210_000000432081_00362_38993_8370.N1	15-AUG-2009 03:42:10	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	38993	No
40	GOM_NL__2PRFIN20090815_034540_000000402081_00362_38993_8371.N1	15-AUG-2009 03:45:40	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	38993	No
41	GOM_NL__2PRFIN20090815_034746_000000492081_00362_38993_8372.N1	15-AUG-2009 03:47:46	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	38993	No
42	GOM_NL__2PRFIN20090815_035058_000000462081_00362_38993_8373.N1	15-AUG-2009 03:50:58	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	38993	No

43	GOM_NL__2PRFIN20090815_040604_000000312081_00362_38993_8374.N1	15-AUG-2009 04:06:04	Bright	31.000	89	5Alp Cep	2.4510	8000.0	62	38993	No
44	GOM_NL__2PRFIN20090815_041056_000000492081_00362_38993_8375.N1	15-AUG-2009 04:10:56	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38993	No
45	GOM_NL__2PRFIN20090815_041309_000000482081_00362_38993_8376.N1	15-AUG-2009 04:13:09	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	38993	No
46	GOM_NL__2PRFIN20090815_042534_000000542081_00362_38993_8377.N1	15-AUG-2009 04:25:34	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	38993	No
47	GOM_NL__2PRFIN20090815_042825_000000392081_00362_38993_8378.N1	15-AUG-2009 04:28:25	Bright	39.000	107	37The Aur	2.6490	11000.	78	38993	No
48	GOM_NL__2PRFIN20090815_043130_000000492081_00362_38993_8379.N1	15-AUG-2009 04:31:30	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	38993	No
49	GOM_NL__2PRFIN20090815_043350_000000462081_00362_38993_8380.N1	15-AUG-2009 04:33:50	Twilight	46.000	176	23Zet Tau	3.0200	22000.	92	38993	No
50	GOM_NL__2PRFIN20090815_043746_000000592081_00362_38993_8381.N1	15-AUG-2009 04:37:46	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	38993	No
51	GOM_NL__2PRFIN20090815_044055_000000472081_00362_38993_8382.N1	15-AUG-2009 04:40:55	Dark	46.500	30	46Eps Ori	1.6940	30000.	93	38993	No
52	GOM_NL__2PRFIN20090815_044220_000000442081_00362_38993_8383.N1	15-AUG-2009 04:42:20	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	38993	No
53	GOM_NL__2PRFIN20090815_044352_000000562081_00362_38993_8384.N1	15-AUG-2009 04:43:52	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	38993	No
54	GOM_NL__2PRFIN20090815_045930_000000512081_00363_38994_8381.N1	15-AUG-2009 04:59:30	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38994	No
55	GOM_NL__2PRFIN20090815_050925_000000522081_00363_38994_8382.N1	15-AUG-2009 05:09:25	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38994	No
56	GOM_NL__2PRFIN20090815_051702_000000522081_00363_38994_8383.N1	15-AUG-2009 05:17:02	Twilight	52.000	18	24Alp PsA	1.1660	9700.0	104	38994	No
57	GOM_NL__2PRFIN20090815_052246_000000442081_00363_38994_8384.N1	15-AUG-2009 05:22:46	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	38994	No
58	GOM_NL__2PRFIN20090815_052616_000000412081_00363_38994_8385.N1	15-AUG-2009 05:26:16	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	38994	No
59	GOM_NL__2PRFIN20090815_052822_000000502081_00363_38994_8386.N1	15-AUG-2009 05:28:22	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	38994	No
60	GOM_NL__2PRFIN20090815_053134_000000542081_00363_38994_8387.N1	15-AUG-2009 05:31:34	Bright	54.000	61	8Eps Peg	2.1000	3900.0	108	38994	No
61	GOM_NL__2PRFIN20090815_055131_000000492081_00363_38994_8388.N1	15-AUG-2009 05:51:31	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38994	No
62	GOM_NL__2PRFIN20090815_055344_000000482081_00363_38994_8389.N1	15-AUG-2009 05:53:44	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38994	No
63	GOM_NL__2PRFIN20090815_060610_000000482081_00363_38994_8390.N1	15-AUG-2009 06:06:10	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	38994	No
64	GOM_NL__2PRFIN20090815_060902_000000402081_00363_38994_8391.N1	15-AUG-2009 06:09:02	Bright	39.500	107	37The Aur	2.6490	11000.	79	38994	No
65	GOM_NL__2PRFIN20090815_061206_000000492081_00363_38994_8392.N1	15-AUG-2009 06:12:06	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	38994	No
66	GOM_NL__2PRFIN20090815_061426_000000472081_00363_38994_8393.N1	15-AUG-2009 06:14:26	Twilight	47.000	176	23Zet Tau	3.0200	22000.	94	38994	No
67	GOM_NL__2PRFIN20090815_061822_000000452081_00363_38994_8394.N1	15-AUG-2009 06:18:22	Dark	45.000	14	58Alp Ori	0.87000	3000.0	90	38994	No
68	GOM_NL__2PRFIN20090815_062132_000000492081_00363_38994_8395.N1	15-AUG-2009 06:21:32	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	38994	No
69	GOM_NL__2PRFIN20090815_062256_000000462081_00363_38994_8396.N1	15-AUG-2009 06:22:56	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	38994	No
70	GOM_NL__2PRFIN20090815_062429_000000572081_00363_38994_8397.N1	15-AUG-2009 06:24:29	Dark	57.000	7	19Bet Ori	0.10000	14000.	114	38994	No
71	GOM_NL__2PRFIN20090815_064007_000000502081_00364_38995_8395.N1	15-AUG-2009 06:40:07	Dark	49.500	157	The1Eri	2.9060	9300.0	99	38995	No
72	GOM_NL__2PRFIN20090815_065002_000000532081_00364_38995_8396.N1	15-AUG-2009 06:50:02	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	38995	No
73	GOM_NL__2PRFIN20090815_065738_000000532081_00364_38995_8397.N1	15-AUG-2009 06:57:38	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	38995	No
74	GOM_NL__2PRFIN20090815_070322_000000602081_00364_38995_8398.N1	15-AUG-2009 07:03:22	Bright	59.500	142	49Del Cap	2.8500	8900.0	119	38995	No
75	GOM_NL__2PRFIN20090815_070652_000000402081_00364_38995_8399.N1	15-AUG-2009 07:06:52	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	38995	No
76	GOM_NL__2PRFIN20090815_070857_000000492081_00364_38995_8400.N1	15-AUG-2009 07:08:57	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	38995	No
77	GOM_NL__2PRFIN20090815_071209_000000552081_00364_38995_8401.N1	15-AUG-2009 07:12:09	Bright	55.000	61	8Eps Peg	2.1000	3900.0	110	38995	No
78	GOM_NL__2PRFIN20090815_073206_000000482081_00364_38995_8402.N1	15-AUG-2009 07:32:06	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38995	No
79	GOM_NL__2PRFIN20090815_073419_000000492081_00364_38995_8403.N1	15-AUG-2009 07:34:19	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38995	No
80	GOM_NL__2PRFIN20090815_074646_000000552081_00364_38995_8404.N1	15-AUG-2009 07:46:46	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	38995	No
81	GOM_NL__2PRFIN20090815_074938_000000402081_00364_38995_8405.N1	15-AUG-2009 07:49:38	Bright	40.000	107	37The Aur	2.6490	11000.	80	38995	No
82	GOM_NL__2PRFIN20090815_075242_000000522081_00364_38995_8406.N1	15-AUG-2009 07:52:42	Twilight	51.500	28	12Bet Tau	1.6500	15200.	103	38995	No
83	GOM_NL__2PRFIN20090815_075503_000000452081_00364_38995_8407.N1	15-AUG-2009 07:55:03	Twilight	45.000	176	23Zet Tau	3.0200	22000.	90	38995	No
84	GOM_NL__2PRFIN20090815_075859_000000432081_00364_38995_8408.N1	15-AUG-2009 07:58:59	Dark	42.500	14	58Alp Ori	0.87000	3000.0	85	38995	No
85	GOM_NL__2PRFIN20090815_080208_000000492081_00364_38995_8409.N1	15-AUG-2009 08:02:08	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	38995	No
86	GOM_NL__2PRFIN20090815_080333_000000462081_00364_38995_8410.N1	15-AUG-2009 08:03:33	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	38995	No
87	GOM_NL__2PRFIN20090815_080505_000000622081_00364_38995_8411.N1	15-AUG-2009 08:05:05	Dark	61.500	7	19Bet Ori	0.10000	14000.	123	38995	No
88	GOM_NL__2PRFIN20090815_082044_000000512081_00365_38996_8409.N1	15-AUG-2009 08:20:44	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38996	No
89	GOM_NL__2PRFIN20090815_083039_000000562081_00365_38996_8410.N1	15-AUG-2009 08:30:39	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	38996	No
90	GOM_NL__2PRFIN20090815_083815_000000542081_00365_38996_8411.N1	15-AUG-2009 08:38:15	Twilight	53.500	18	24Alp PsA	1.1660	9700.0	107	38996	No
91	GOM_NL__2PRFIN20090815_084358_000000612081_00365_38996_8412.N1	15-AUG-2009 08:43:58	Bright	61.000	142	49Del Cap	2.8500	8900.0	122	38996	No
92	GOM_NL__2PRFIN20090815_084728_000000602081_00365_38996_8413.N1	15-AUG-2009 08:47:28	Bright	60.000	154	22Bet Aqr	2.8990	5700.0	120	38996	No
93	GOM_NL__2PRFIN20090815_084933_000000492081_00365_38996_8414.N1	15-AUG-2009 08:49:33	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	38996	No
94	GOM_NL__2PRFIN20090815_085245_000000652081_00365_38996_8415.N1	15-AUG-2009 08:52:45	Bright	65.000	61	8Eps Peg	2.1000	3900.0	130	38996	No
95	GOM_NL__2PRFIN20090815_091242_000000492081_00365_38996_8416.N1	15-AUG-2009 09:12:42	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38996	No
96	GOM_NL__2PRFIN20090815_091455_000000492081_00365_38996_8417.N1	15-AUG-2009 09:14:55	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38996	No
97	GOM_NL__2PRFIN20090815_092722_000000502081_00365_38996_8418.N1	15-AUG-2009 09:27:22	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	38996	No
98	GOM_NL__2PRFIN20090815_093014_000000412081_00365_38996_8419.N1	15-AUG-2009 09:30:14	Bright	41.000	107	37The Aur	2.6490	11000.	82	38996	No
99	GOM_NL__2PRFIN20090815_093318_000000512081_00365_38996_8420.N1	15-AUG-2009 09:33:18	Twilight	51.000	28	12Bet Tau	1.6500	15200.	102	38996	No
100	GOM_NL__2PRFIN20090815_093539_000000432081_00365_38996_8421.N1	15-AUG-2009 09:35:39	Twilight	43.000	176	23Zet Tau	3.0200	22000.	86	38996	No
101	GOM_NL__2PRFIN20090815_093935_000000432081_00365_38996_8422.N1	15-AUG-2009 09:39:35	Dark	43.000	14	58Alp Ori	0.87000	3000.0	86	38996	No

102	GOM_NL__2PRFIN20090815_094245_000000512081_00365_38996_8423.N1	15-AUG-2009 09:42:45	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	38996	No
103	GOM_NL__2PRFIN20090815_094410_000000482081_00365_38996_8424.N1	15-AUG-2009 09:44:10	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	38996	No
104	GOM_NL__2PRFIN20090815_094542_000000562081_00365_38996_8425.N1	15-AUG-2009 09:45:42	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	38996	No
105	GOM_NL__2PRFIN20090815_094735_000000472081_00365_38996_8426.N1	15-AUG-2009 09:47:35	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	38996	No
106	GOM_NL__2PRFIN20090815_100121_000000512081_00366_38997_8424.N1	15-AUG-2009 10:01:21	Dark	50.500	157	The1Eri	2.9060	9300.0	101	38997	No
107	GOM_NL__2PRFIN20090815_101115_000000522081_00366_38997_8425.N1	15-AUG-2009 10:11:15	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38997	No
108	GOM_NL__2PRFIN20090815_101851_000000532081_00366_38997_8426.N1	15-AUG-2009 10:18:51	Twilight_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	38997	No
109	GOM_NL__2PRFIN20090815_102434_000000612081_00366_38997_8427.N1	15-AUG-2009 10:24:34	Bright	60.500	142	49Del Cap	2.8500	8900.0	121	38997	No
110	GOM_NL__2PRFIN20090815_102803_000000422081_00366_38997_8428.N1	15-AUG-2009 10:28:03	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	38997	No
111	GOM_NL__2PRFIN20090815_103008_000000492081_00366_38997_8429.N1	15-AUG-2009 10:30:08	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	38997	No
112	GOM_NL__2PRFIN20090815_103321_000000462081_00366_38997_8430.N1	15-AUG-2009 10:33:21	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	38997	No
113	GOM_NL__2PRFIN20090815_105316_000000492081_00366_38997_8431.N1	15-AUG-2009 10:53:16	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38997	No
114	GOM_NL__2PRFIN20090815_105530_000000472081_00366_38997_8432.N1	15-AUG-2009 10:55:30	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	38997	No
115	GOM_NL__2PRFIN20090815_110758_000000482081_00366_38997_8433.N1	15-AUG-2009 11:07:58	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	38997	No
116	GOM_NL__2PRFIN20090815_111049_000000392081_00366_38997_8434.N1	15-AUG-2009 11:10:49	Bright	38.500	107	37The Aur	2.6490	11000.	77	38997	No
117	GOM_NL__2PRFIN20090815_111354_000000502081_00366_38997_8435.N1	15-AUG-2009 11:13:54	Twilight_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	38997	No
118	GOM_NL__2PRFIN20090815_111615_000000452081_00366_38997_8436.N1	15-AUG-2009 11:16:15	Twilight_and_stray	44.500	176	23Zet Tau	3.0200	22000.	89	38997	No
119	GOM_NL__2PRFIN20090815_112011_000000592081_00366_38997_8437.N1	15-AUG-2009 11:20:11	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	38997	No
120	GOM_NL__2PRFIN20090815_112321_000000482081_00366_38997_8438.N1	15-AUG-2009 11:23:21	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	38997	No
121	GOM_NL__2PRFIN20090815_112446_000000462081_00366_38997_8439.N1	15-AUG-2009 11:24:46	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	38997	No
122	GOM_NL__2PRFIN20090815_112619_000000642081_00366_38997_8440.N1	15-AUG-2009 11:26:19	Dark	63.500	7	19Bet Ori	0.10000	14000.	127	38997	No
123	GOM_NL__2PRFIN20090815_112812_000000472081_00366_38997_8441.N1	15-AUG-2009 11:28:12	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	38997	No
124	GOM_NL__2PRFIN20090815_114158_000000512081_00367_38998_8438.N1	15-AUG-2009 11:41:58	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38998	No
125	GOM_NL__2PRFIN20090815_115152_000000522081_00367_38998_8439.N1	15-AUG-2009 11:51:52	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38998	No
126	GOM_NL__2PRFIN20090815_115927_000000542081_00367_38998_8440.N1	15-AUG-2009 11:59:27	Twilight_and_stray	54.000	18	24Alp PsA	1.1660	9700.0	108	38998	No
127	GOM_NL__2PRFIN20090815_120510_000000432081_00367_38998_8441.N1	15-AUG-2009 12:05:10	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	38998	No
128	GOM_NL__2PRFIN20090815_120839_000000432081_00367_38998_8442.N1	15-AUG-2009 12:08:39	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	38998	No
129	GOM_NL__2PRFIN20090815_121044_000000492081_00367_38998_8443.N1	15-AUG-2009 12:10:44	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	38998	No
130	GOM_NL__2PRFIN20090815_121356_000000522081_00367_38998_8444.N1	15-AUG-2009 12:13:56	Bright	52.000	61	8Eps Peg	2.1000	3900.0	104	38998	No
131	GOM_NL__2PRFIN20090815_123605_000000492081_00367_38998_8445.N1	15-AUG-2009 12:36:05	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	38998	No
132	GOM_NL__2PRFIN20090815_124833_000000522081_00367_38998_8446.N1	15-AUG-2009 12:48:33	Bright	52.000	6	13Alp Aur	0.080000	3400.0	104	38998	No
133	GOM_NL__2PRFIN20090815_125125_000000472081_00367_38998_8447.N1	15-AUG-2009 12:51:25	Bright	47.000	107	37The Aur	2.6490	11000.	94	38998	No
134	GOM_NL__2PRFIN20090815_125430_000000502081_00367_38998_8448.N1	15-AUG-2009 12:54:30	Twilight_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	38998	No
135	GOM_NL__2PRFIN20090815_125651_000000482081_00367_38998_8449.N1	15-AUG-2009 12:56:51	Twilight_and_stray	47.500	176	23Zet Tau	3.0200	22000.	95	38998	No
136	GOM_NL__2PRFIN20090815_130048_000000572081_00367_38998_8450.N1	15-AUG-2009 13:00:48	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	38998	No
137	GOM_NL__2PRFIN20090815_130358_000000492081_00367_38998_8451.N1	15-AUG-2009 13:03:58	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	38998	No
138	GOM_NL__2PRFIN20090815_130523_000000462081_00367_38998_8452.N1	15-AUG-2009 13:05:23	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	38998	No
139	GOM_NL__2PRFIN20090815_130655_000000562081_00367_38998_8453.N1	15-AUG-2009 13:06:55	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	38998	No
140	GOM_NL__2PRFIN20090815_130849_000000462081_00367_38998_8454.N1	15-AUG-2009 13:08:49	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	38998	No
141	GOM_NL__2PRFIN20090815_132235_000000512081_00368_38999_8451.N1	15-AUG-2009 13:22:35	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38999	No
142	GOM_NL__2PRFIN20090815_133229_000000602081_00368_38999_8452.N1	15-AUG-2009 13:32:29	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	38999	No
143	GOM_NL__2PRFIN20090815_134004_000000542081_00368_38999_8453.N1	15-AUG-2009 13:40:04	Twilight_and_stray	53.500	18	24Alp PsA	1.1660	9700.0	107	38999	No
144	GOM_NL__2PRFIN20090815_134546_000000442081_00368_38999_8454.N1	15-AUG-2009 13:45:46	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	38999	No
145	GOM_NL__2PRFIN20090815_134915_000000432081_00368_38999_8455.N1	15-AUG-2009 13:49:15	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	38999	No
146	GOM_NL__2PRFIN20090815_135120_000000472081_00368_38999_8456.N1	15-AUG-2009 13:51:20	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	38999	No
147	GOM_NL__2PRFIN20090815_135431_000000472081_00368_38999_8457.N1	15-AUG-2009 13:54:31	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	38999	No
148	GOM_NL__2PRFIN20090815_141640_000000722081_00368_38999_8458.N1	15-AUG-2009 14:16:40	Bright	72.000	76	27Gam Cas	2.3000	30000.	144	38999	No
149	GOM_NL__2PRFIN20090815_142909_000000472081_00368_38999_8459.N1	15-AUG-2009 14:29:09	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	38999	No
150	GOM_NL__2PRFIN20090815_143201_000000402081_00368_38999_8460.N1	15-AUG-2009 14:32:01	Bright	39.500	107	37The Aur	2.6490	11000.	79	38999	No
151	GOM_NL__2PRFIN20090815_143507_000000522081_00368_38999_8461.N1	15-AUG-2009 14:35:07	Twilight_and_stray	52.000	28	12Bet Tau	1.6500	15200.	104	38999	No
152	GOM_NL__2PRFIN20090815_143727_000000482081_00368_38999_8462.N1	15-AUG-2009 14:37:27	Twilight_and_stray	48.000	176	23Zet Tau	3.0200	22000.	96	38999	No
153	GOM_NL__2PRFIN20090815_144124_000000482081_00368_38999_8463.N1	15-AUG-2009 14:41:24	Dark	47.500	14	58Alp Ori	0.87000	3000.0	95	38999	No
154	GOM_NL__2PRFIN20090815_144434_000000502081_00368_38999_8464.N1	15-AUG-2009 14:44:34	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	38999	No
155	GOM_NL__2PRFIN20090815_144559_000000442081_00368_38999_8465.N1	15-AUG-2009 14:45:59	Dark	43.500	125	44Iot Ori	2.7700	30000.	87	38999	No
156	GOM_NL__2PRFIN20090815_144732_000000542081_00368_38999_8466.N1	15-AUG-2009 14:47:32	Dark	53.500	7	19Bet Ori	0.10000	14000.	107	38999	No
157	GOM_NL__2PRFIN20090815_144925_000000482081_00368_38999_8467.N1	15-AUG-2009 14:49:25	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	38999	No
158	GOM_NL__2PRFIN20090815_150312_000000502081_00369_39000_8468.N1	15-AUG-2009 15:03:12	Dark	50.000	157	The1Eri	2.9060	9300.0	100	39000	No
159	GOM_NL__2PRFIN20090815_151306_000000562081_00369_39000_8469.N1	15-AUG-2009 15:13:06	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	39000	No
160	GOM_NL__2PRFIN20090815_152040_000000532081_00369_39000_8470.N1	15-AUG-2009 15:20:40	Twilight_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	39000	No

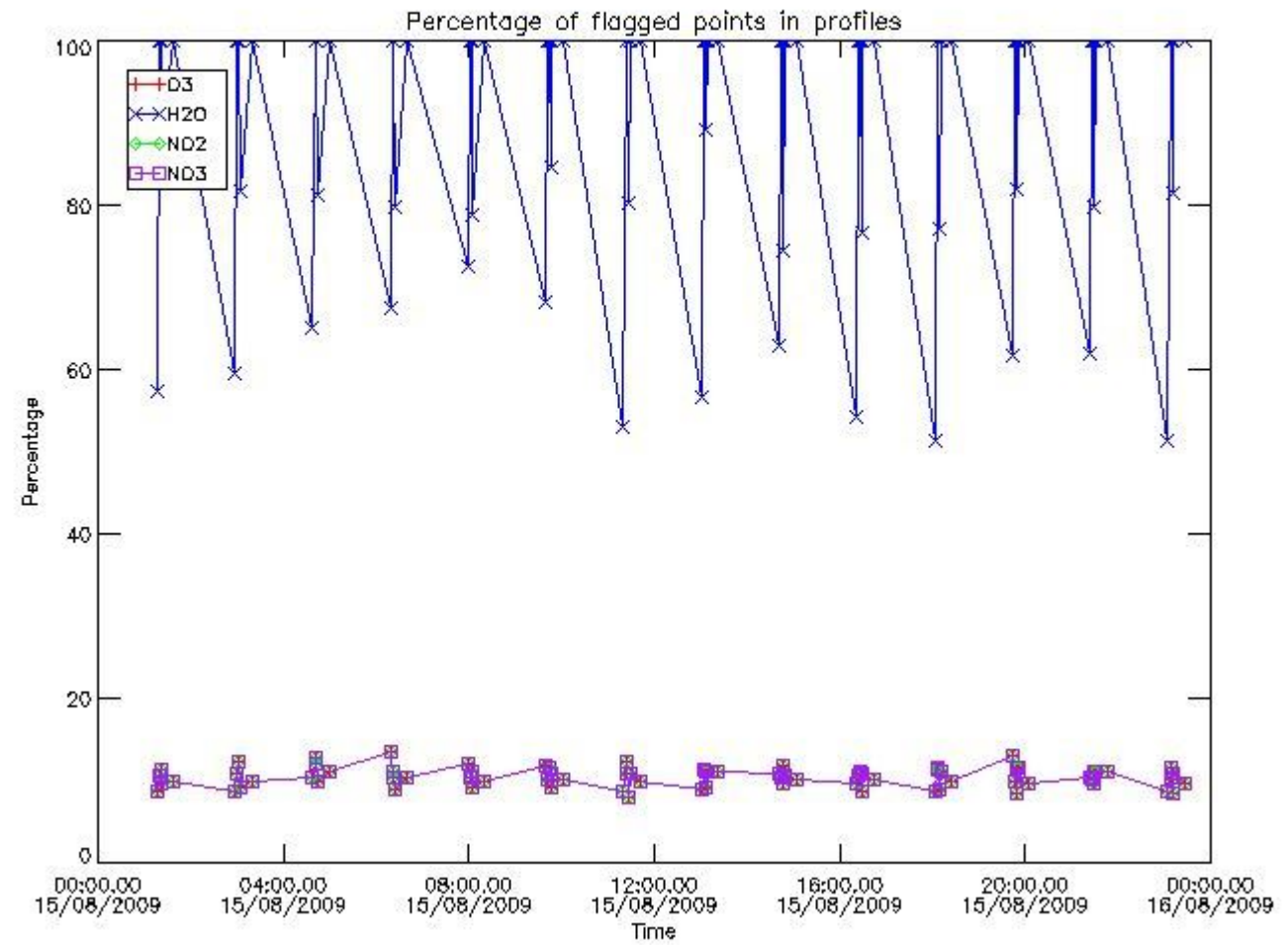
161	GOM_NL__2PRFIN20090815_152622_000000442081_00369_39000_8471.N1	15-AUG-2009 15:26:22	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	39000	No
162	GOM_NL__2PRFIN20090815_152951_000000432081_00369_39000_8472.N1	15-AUG-2009 15:29:51	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	39000	No
163	GOM_NL__2PRFIN20090815_153155_000000692081_00369_39000_8473.N1	15-AUG-2009 15:31:55	Bright	69.000	162	34Alp Aqr	2.9440	5350.0	138	39000	No
164	GOM_NL__2PRFIN20090815_153507_000000482081_00369_39000_8474.N1	15-AUG-2009 15:35:07	Bright	47.500	61	8Eps Peg	2.1000	3900.0	95	39000	No
165	GOM_NL__2PRFIN20090815_155715_000000482081_00369_39000_8475.N1	15-AUG-2009 15:57:15	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	39000	No
166	GOM_NL__2PRFIN20090815_160945_000000622081_00369_39000_8476.N1	15-AUG-2009 16:09:45	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39000	No
167	GOM_NL__2PRFIN20090815_161238_000000402081_00369_39000_8477.N1	15-AUG-2009 16:12:38	Bright	40.000	107	37The Aur	2.6490	11000.	80	39000	No
168	GOM_NL__2PRFIN20090815_161543_000000522081_00369_39000_8478.N1	15-AUG-2009 16:15:43	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	39000	No
169	GOM_NL__2PRFIN20090815_161804_000000472081_00369_39000_8479.N1	15-AUG-2009 16:18:04	Twilight	46.500	176	23Zet Tau	3.0200	22000.	93	39000	No
170	GOM_NL__2PRFIN20090815_162200_000000532081_00369_39000_8480.N1	15-AUG-2009 16:22:00	Dark	53.000	14	58Alp Ori	0.87000	3000.0	106	39000	No
171	GOM_NL__2PRFIN20090815_162511_000000492081_00369_39000_8481.N1	15-AUG-2009 16:25:11	Dark	48.500	30	46Eps Ori	1.6940	30000.	97	39000	No
172	GOM_NL__2PRFIN20090815_162636_000000462081_00369_39000_8482.N1	15-AUG-2009 16:26:36	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	39000	No
173	GOM_NL__2PRFIN20090815_162809_000000592081_00369_39000_8483.N1	15-AUG-2009 16:28:09	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	39000	No
174	GOM_NL__2PRFIN20090815_163002_000000472081_00369_39000_8484.N1	15-AUG-2009 16:30:02	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39000	No
175	GOM_NL__2PRFIN20090815_164349_000000512081_00370_39001_8503.N1	15-AUG-2009 16:43:49	Dark	50.500	157	The1Eri	2.9060	9300.0	101	39001	No
176	GOM_NL__2PRFIN20090815_165342_000000552081_00370_39001_8504.N1	15-AUG-2009 16:53:42	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	39001	No
177	GOM_NL__2PRFIN20090815_170116_000000532081_00370_39001_8505.N1	15-AUG-2009 17:01:16	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	39001	No
178	GOM_NL__2PRFIN20090815_170658_000000442081_00370_39001_8506.N1	15-AUG-2009 17:06:58	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	39001	No
179	GOM_NL__2PRFIN20090815_171027_000000422081_00370_39001_8507.N1	15-AUG-2009 17:10:27	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39001	No
180	GOM_NL__2PRFIN20090815_171231_000000492081_00370_39001_8508.N1	15-AUG-2009 17:12:31	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	39001	No
181	GOM_NL__2PRFIN20090815_171543_000000442081_00370_39001_8509.N1	15-AUG-2009 17:15:43	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	39001	No
182	GOM_NL__2PRFIN20090815_173750_000000492081_00370_39001_8510.N1	15-AUG-2009 17:37:50	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	39001	No
183	GOM_NL__2PRFIN20090815_175021_000000622081_00370_39001_8511.N1	15-AUG-2009 17:50:21	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39001	No
184	GOM_NL__2PRFIN20090815_175313_000000392081_00370_39001_8512.N1	15-AUG-2009 17:53:13	Bright	38.500	107	37The Aur	2.6490	11000.	77	39001	No
185	GOM_NL__2PRFIN20090815_175619_000000512081_00370_39001_8513.N1	15-AUG-2009 17:56:19	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	39001	No
186	GOM_NL__2PRFIN20090815_175840_000000482081_00370_39001_8514.N1	15-AUG-2009 17:58:40	Twilight	47.500	176	23Zet Tau	3.0200	22000.	95	39001	No
187	GOM_NL__2PRFIN20090815_180237_000000592081_00370_39001_8515.N1	15-AUG-2009 18:02:37	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39001	No
188	GOM_NL__2PRFIN20090815_180547_000000502081_00370_39001_8516.N1	15-AUG-2009 18:05:47	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39001	No
189	GOM_NL__2PRFIN20090815_180712_000000452081_00370_39001_8517.N1	15-AUG-2009 18:07:12	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	39001	No
190	GOM_NL__2PRFIN20090815_180846_000000582081_00370_39001_8518.N1	15-AUG-2009 18:08:46	Dark	57.500	7	19Bet Ori	0.10000	14000.	115	39001	No
191	GOM_NL__2PRFIN20090815_181038_000000462081_00370_39001_8519.N1	15-AUG-2009 18:10:38	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	39001	No
192	GOM_NL__2PRFIN20090815_182427_000000522081_00371_39002_8516.N1	15-AUG-2009 18:24:27	Dark	51.500	157	The1Eri	2.9060	9300.0	103	39002	No
193	GOM_NL__2PRFIN20090815_183419_000000502081_00371_39002_8517.N1	15-AUG-2009 18:34:19	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	39002	No
194	GOM_NL__2PRFIN20090815_184153_000000552081_00371_39002_8518.N1	15-AUG-2009 18:41:53	Twilight	54.500	18	24Alp PsA	1.1660	9700.0	109	39002	No
195	GOM_NL__2PRFIN20090815_184734_000000442081_00371_39002_8519.N1	15-AUG-2009 18:47:34	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	39002	No
196	GOM_NL__2PRFIN20090815_185103_000000422081_00371_39002_8520.N1	15-AUG-2009 18:51:03	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39002	No
197	GOM_NL__2PRFIN20090815_185307_000000502081_00371_39002_8521.N1	15-AUG-2009 18:53:07	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	39002	No
198	GOM_NL__2PRFIN20090815_185618_000000652081_00371_39002_8522.N1	15-AUG-2009 18:56:18	Bright	65.000	61	8Eps Peg	2.1000	3900.0	130	39002	No
199	GOM_NL__2PRFIN20090815_191826_000000502081_00371_39002_8523.N1	15-AUG-2009 19:18:26	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	39002	No
200	GOM_NL__2PRFIN20090815_193057_000000492081_00371_39002_8524.N1	15-AUG-2009 19:30:57	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	39002	No
201	GOM_NL__2PRFIN20090815_193350_000000392081_00371_39002_8525.N1	15-AUG-2009 19:33:50	Bright	38.500	107	37The Aur	2.6490	11000.	77	39002	No
202	GOM_NL__2PRFIN20090815_193916_000000492081_00371_39002_8526.N1	15-AUG-2009 19:39:16	Twilight	48.500	176	23Zet Tau	3.0200	22000.	97	39002	No
203	GOM_NL__2PRFIN20090815_194313_000000592081_00371_39002_8527.N1	15-AUG-2009 19:43:13	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39002	No
204	GOM_NL__2PRFIN20090815_194624_000000522081_00371_39002_8528.N1	15-AUG-2009 19:46:24	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	39002	No
205	GOM_NL__2PRFIN20090815_194749_000000442081_00371_39002_8529.N1	15-AUG-2009 19:47:49	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	39002	No
206	GOM_NL__2PRFIN20090815_194922_000000612081_00371_39002_8530.N1	15-AUG-2009 19:49:22	Dark	61.000	7	19Bet Ori	0.10000	14000.	122	39002	No
207	GOM_NL__2PRFIN20090815_195115_000000452081_00371_39002_8531.N1	15-AUG-2009 19:51:15	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	39002	No
208	GOM_NL__2PRFIN20090815_200504_000000532081_00372_39003_8531.N1	15-AUG-2009 20:05:04	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39003	No
209	GOM_NL__2PRFIN20090815_201456_000000662081_00372_39003_8532.N1	15-AUG-2009 20:14:56	Straylight	65.500	84	Alp Phe	2.3970	4500.0	131	39003	No
210	GOM_NL__2PRFIN20090815_202229_000000542081_00372_39003_8533.N1	15-AUG-2009 20:22:29	Twilight	53.500	18	24Alp PsA	1.1660	9700.0	107	39003	No
211	GOM_NL__2PRFIN20090815_202810_000000602081_00372_39003_8534.N1	15-AUG-2009 20:28:10	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39003	No
212	GOM_NL__2PRFIN20090815_203139_000000422081_00372_39003_8535.N1	15-AUG-2009 20:31:39	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39003	No
213	GOM_NL__2PRFIN20090815_203343_000000472081_00372_39003_8536.N1	15-AUG-2009 20:33:43	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	39003	No
214	GOM_NL__2PRFIN20090815_203654_000000462081_00372_39003_8537.N1	15-AUG-2009 20:36:54	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	39003	No
215	GOM_NL__2PRFIN20090815_205901_000000472081_00372_39003_8538.N1	15-AUG-2009 20:59:01	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39003	No
216	GOM_NL__2PRFIN20090815_211133_000000622081_00372_39003_8539.N1	15-AUG-2009 21:11:33	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39003	No
217	GOM_NL__2PRFIN20090815_211426_000000412081_00372_39003_8540.N1	15-AUG-2009 21:14:26	Bright	40.500	107	37The Aur	2.6490	11000.	81	39003	No
218	GOM_NL__2PRFIN20090815_211953_000000472081_00372_39003_8541.N1	15-AUG-2009 21:19:53	Twilight	47.000	176	23Zet Tau	3.0200	22000.	94	39003	No
219	GOM_NL__2PRFIN20090815_212349_000000492081_00372_39003_8542.N1	15-AUG-2009 21:23:49	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	39003	No

220	GOM_NL__2PRFIN20090815_212700_000000502081_00372_39003_8543.N1	15-AUG-2009 21:27:00	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	39003	No
221	GOM_NL__2PRFIN20090815_212825_000000462081_00372_39003_8544.N1	15-AUG-2009 21:28:25	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	39003	No
222	GOM_NL__2PRFIN20090815_212959_000000532081_00372_39003_8545.N1	15-AUG-2009 21:29:59	Dark	52.500	7	19Bet Ori	0.10000	14000.	105	39003	No
223	GOM_NL__2PRFIN20090815_213152_000000462081_00372_39003_8546.N1	15-AUG-2009 21:31:52	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	39003	No
224	GOM_NL__2PRFIN20090815_214541_000000502081_00373_39004_8549.N1	15-AUG-2009 21:45:41	Dark	50.000	157	The1Eri	2.9060	9300.0	100	39004	No
225	GOM_NL__2PRFIN20090815_215533_000000512081_00373_39004_8550.N1	15-AUG-2009 21:55:33	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39004	No
226	GOM_NL__2PRFIN20090815_220305_000000522081_00373_39004_8551.N1	15-AUG-2009 22:03:05	Twilight_and_stray	52.000	18	24Alp PsA	1.1660	9700.0	104	39004	No
227	GOM_NL__2PRFIN20090815_220846_000000602081_00373_39004_8552.N1	15-AUG-2009 22:08:46	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39004	No
228	GOM_NL__2PRFIN20090815_221215_000000422081_00373_39004_8553.N1	15-AUG-2009 22:12:15	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39004	No
229	GOM_NL__2PRFIN20090815_221418_000000492081_00373_39004_8554.N1	15-AUG-2009 22:14:18	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	39004	No
230	GOM_NL__2PRFIN20090815_221730_000000472081_00373_39004_8555.N1	15-AUG-2009 22:17:30	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	39004	No
231	GOM_NL__2PRFIN20090815_223936_000000442081_00373_39004_8556.N1	15-AUG-2009 22:39:36	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39004	No
232	GOM_NL__2PRFIN20090815_225208_000000502081_00373_39004_8557.N1	15-AUG-2009 22:52:08	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	39004	No
233	GOM_NL__2PRFIN20090815_225502_000000422081_00373_39004_8558.N1	15-AUG-2009 22:55:02	Bright	41.500	107	37The Aur	2.6490	11000.	83	39004	No
234	GOM_NL__2PRFIN20090815_225645_000000572081_00373_39004_8559.N1	15-AUG-2009 22:56:45	Twilight_and_stray	57.000	114	3Iot Aur	2.6930	4600.0	114	39004	No
235	GOM_NL__2PRFIN20090815_230029_000000462081_00373_39004_8560.N1	15-AUG-2009 23:00:29	Twilight_and_stray	46.000	176	23Zet Tau	3.0200	22000.	92	39004	No
236	GOM_NL__2PRFIN20090815_230426_000000592081_00373_39004_8561.N1	15-AUG-2009 23:04:26	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39004	No
237	GOM_NL__2PRFIN20090815_230737_000000502081_00373_39004_8562.N1	15-AUG-2009 23:07:37	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39004	No
238	GOM_NL__2PRFIN20090815_230902_000000442081_00373_39004_8563.N1	15-AUG-2009 23:09:02	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	39004	No
239	GOM_NL__2PRFIN20090815_231036_000000602081_00373_39004_8564.N1	15-AUG-2009 23:10:36	Dark	60.000	7	19Bet Ori	0.10000	14000.	120	39004	No
240	GOM_NL__2PRFIN20090815_231228_000000472081_00373_39004_8565.N1	15-AUG-2009 23:12:28	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39004	No
241	GOM_NL__2PRFIN20090815_232618_000000532081_00374_39005_8569.N1	15-AUG-2009 23:26:18	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39005	No
242	GOM_NL__2PRFIN20090815_233609_000000522081_00374_39005_8570.N1	15-AUG-2009 23:36:09	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39005	No
243	GOM_NL__2PRFIN20090815_234342_000000532081_00374_39005_8571.N1	15-AUG-2009 23:43:42	Twilight_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	39005	No
244	GOM_NL__2PRFIN20090815_234922_000000602081_00374_39005_8572.N1	15-AUG-2009 23:49:22	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39005	No
245	GOM_NL__2PRFIN20090815_235251_000000502081_00374_39005_8573.N1	15-AUG-2009 23:52:51	Bright	50.000	154	22Bet Aqr	2.8990	5700.0	100	39005	No
246	GOM_NL__2PRFIN20090815_235454_000000482081_00374_39005_8574.N1	15-AUG-2009 23:54:54	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	39005	No
247	GOM_NL__2PRFIN20090815_235805_000000472081_00374_39005_8575.N1	15-AUG-2009 23:58:05	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	39005	No

3. Quality information per product

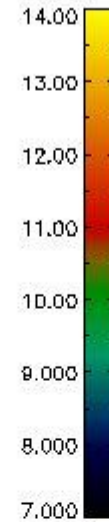
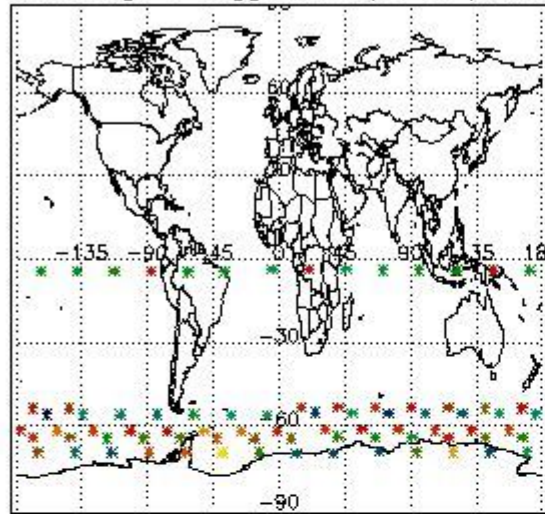
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

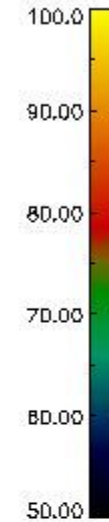
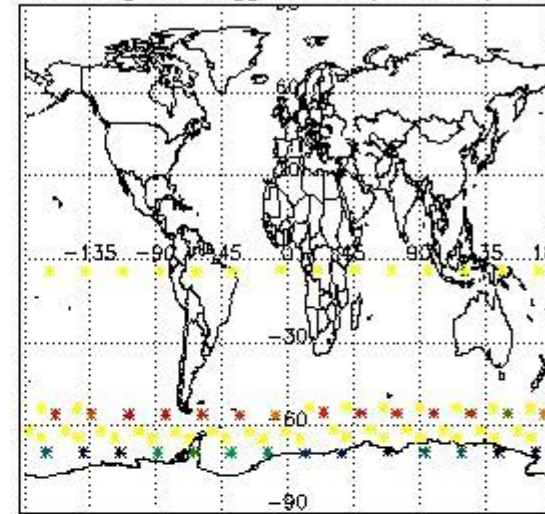


3.2 Plot quality information per product (world map)

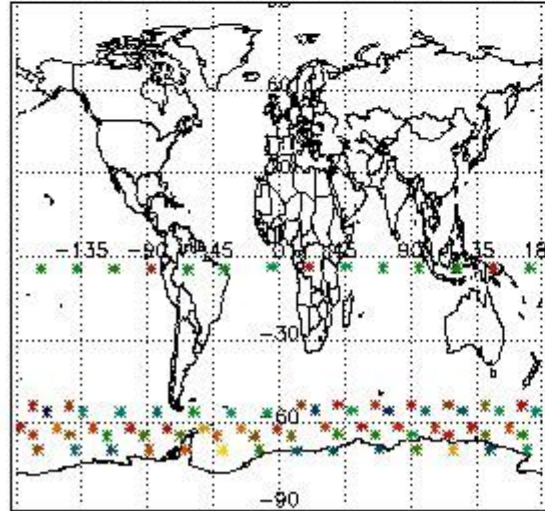
Percentage of flagged data per O3 profile



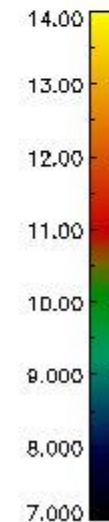
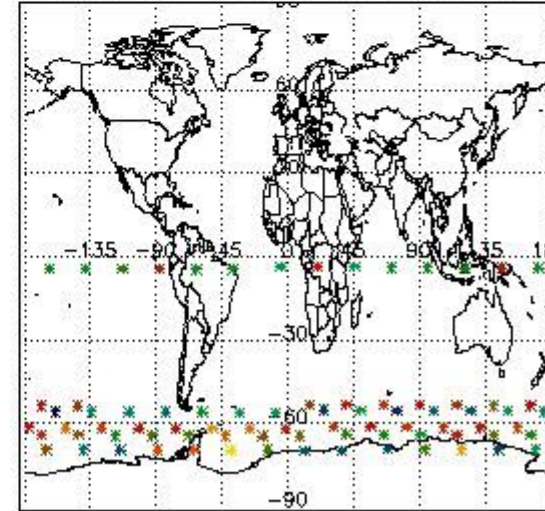
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

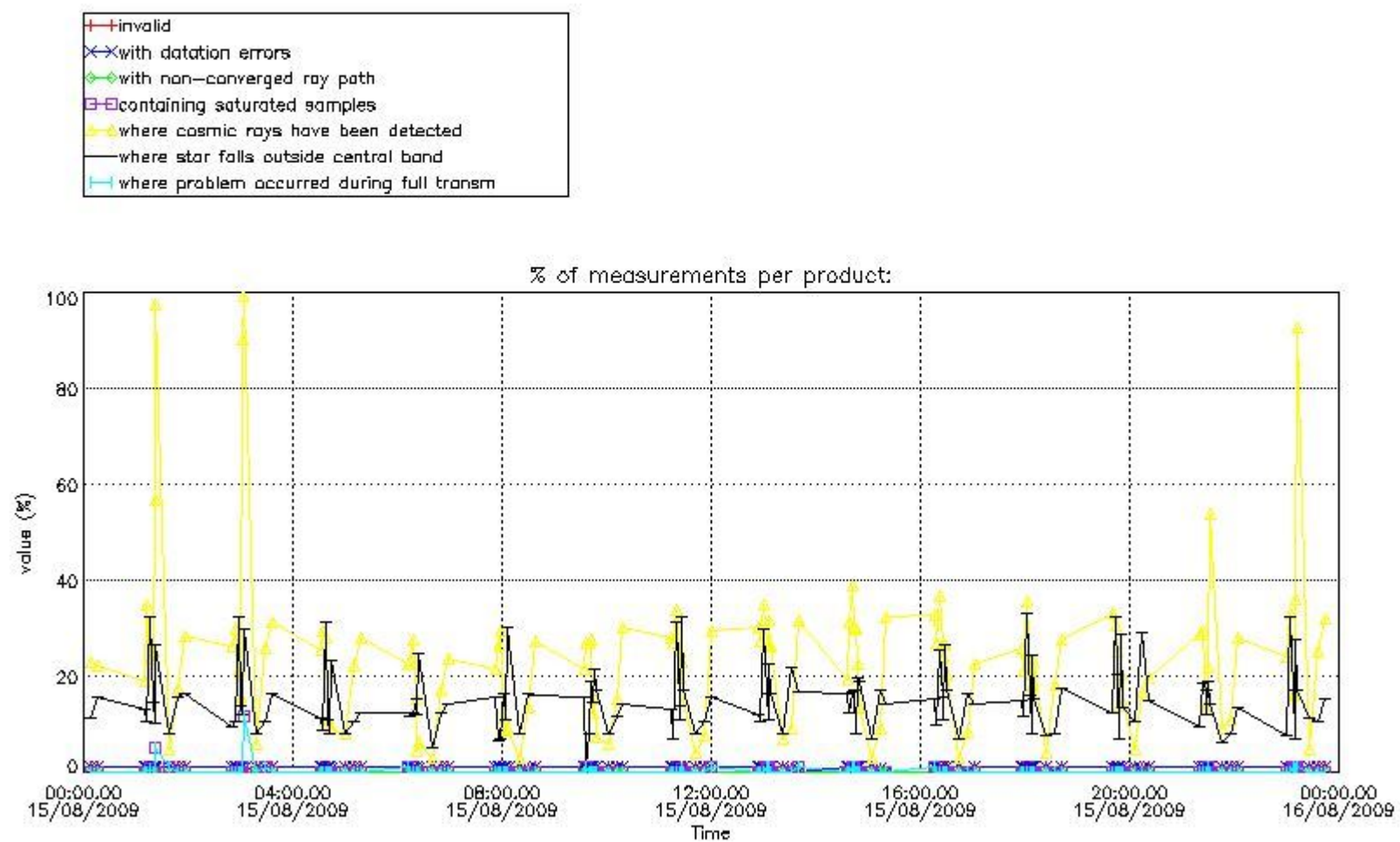


4. Level 1 quality information per product

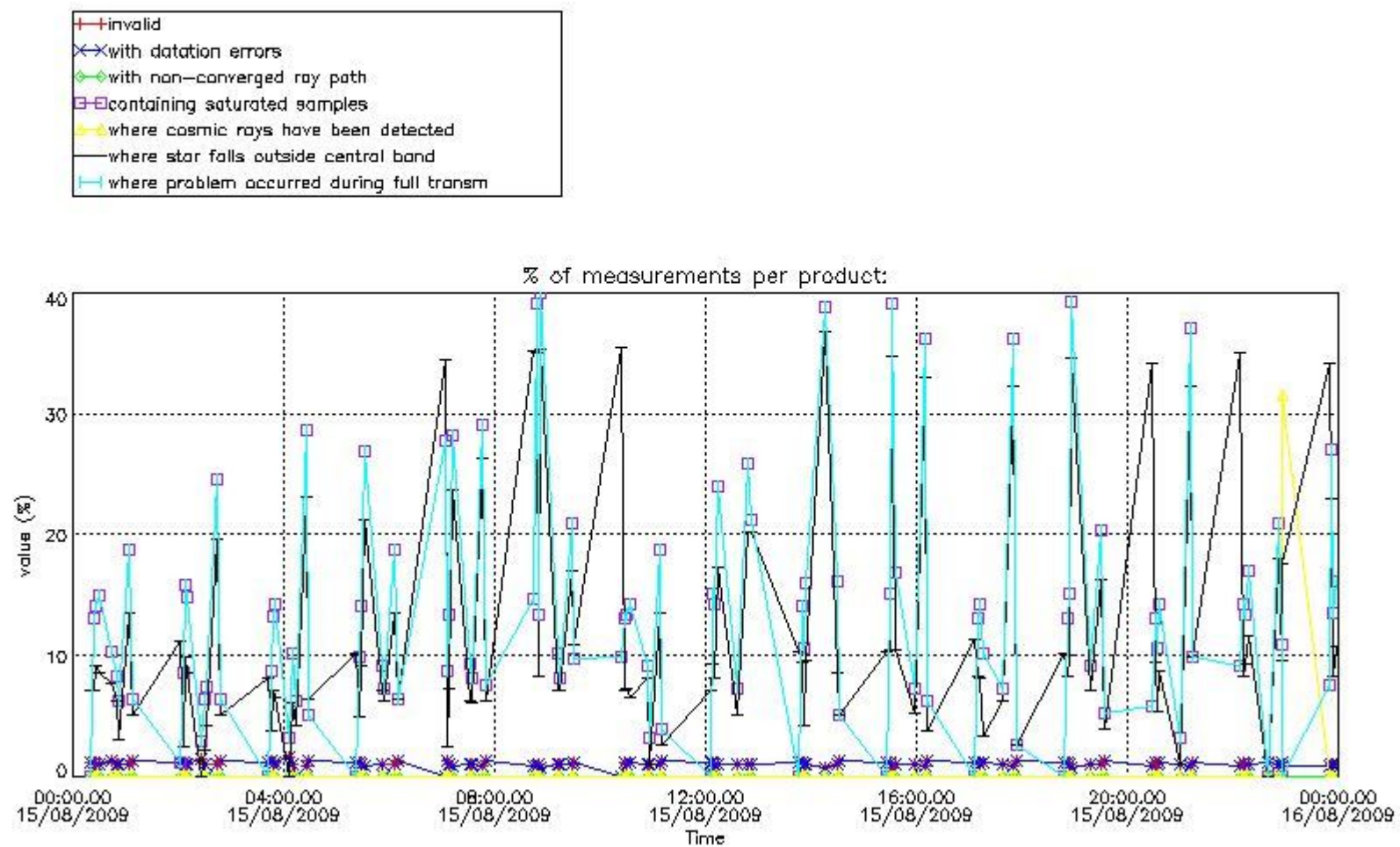
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



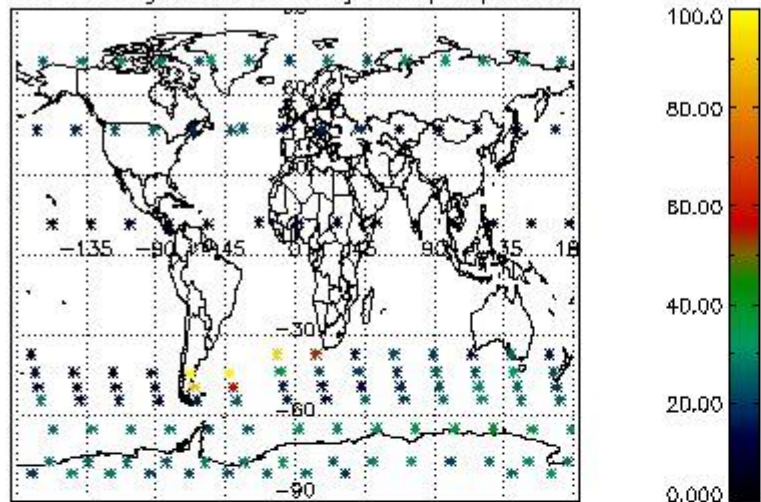
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



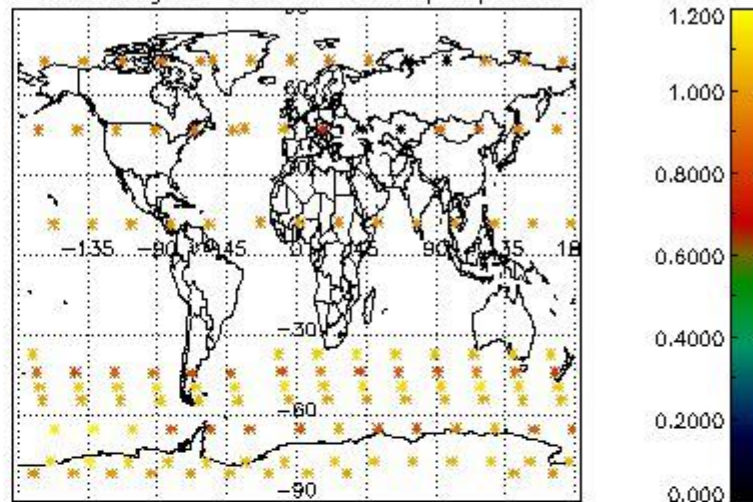
4.2 Plot quality information per product coming from level 1b processing (world map)

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

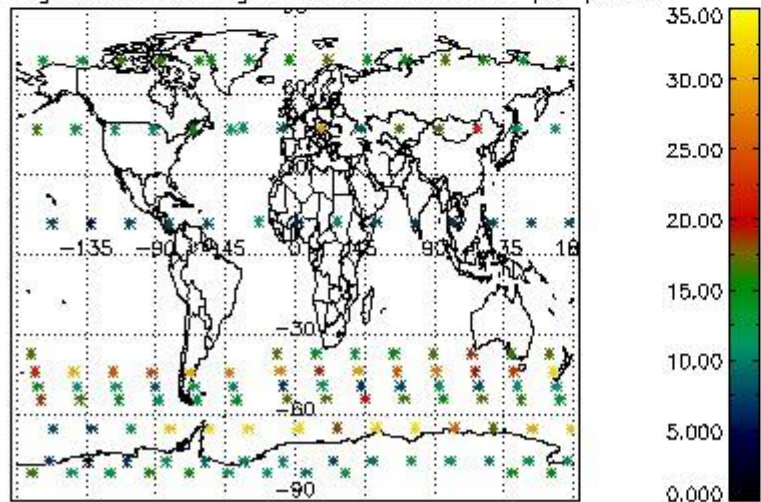
Percentage of cosmic ray hits per profile



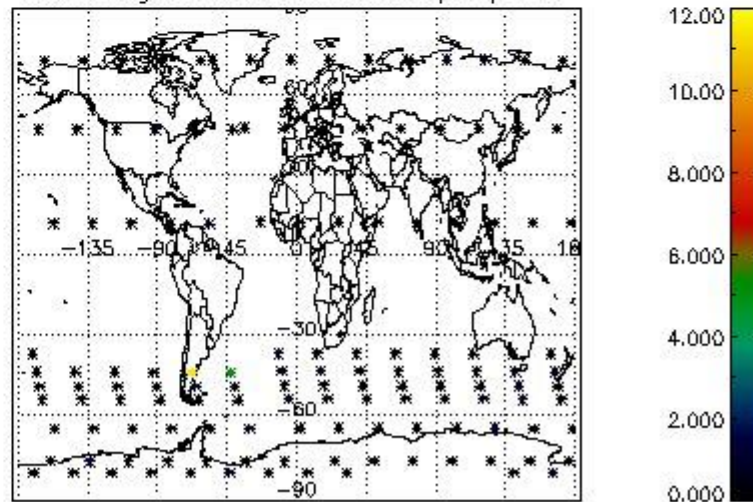
Percentage of datation errors per profile



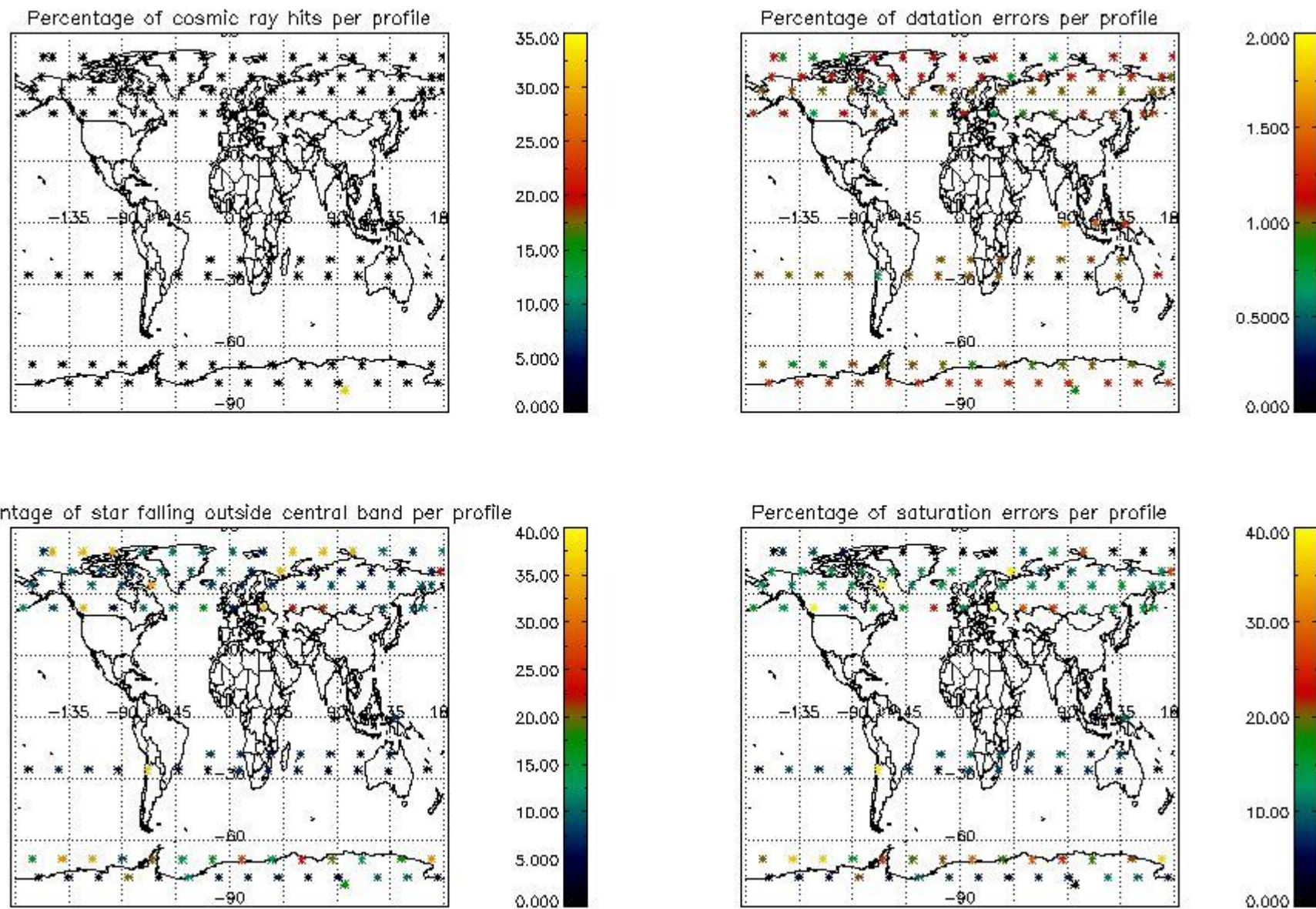
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

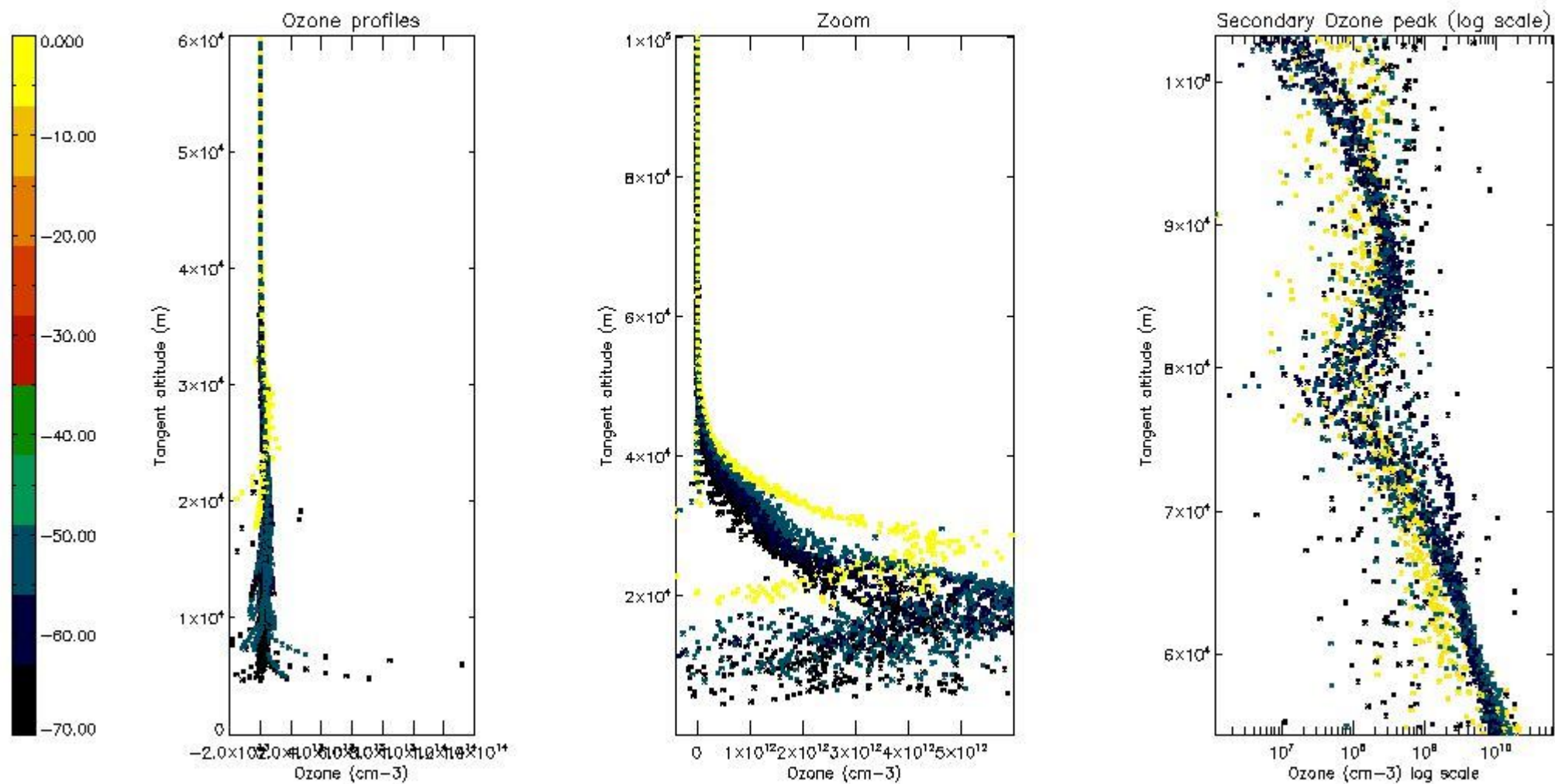
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	18

STD < 10	14
STD < 5	9

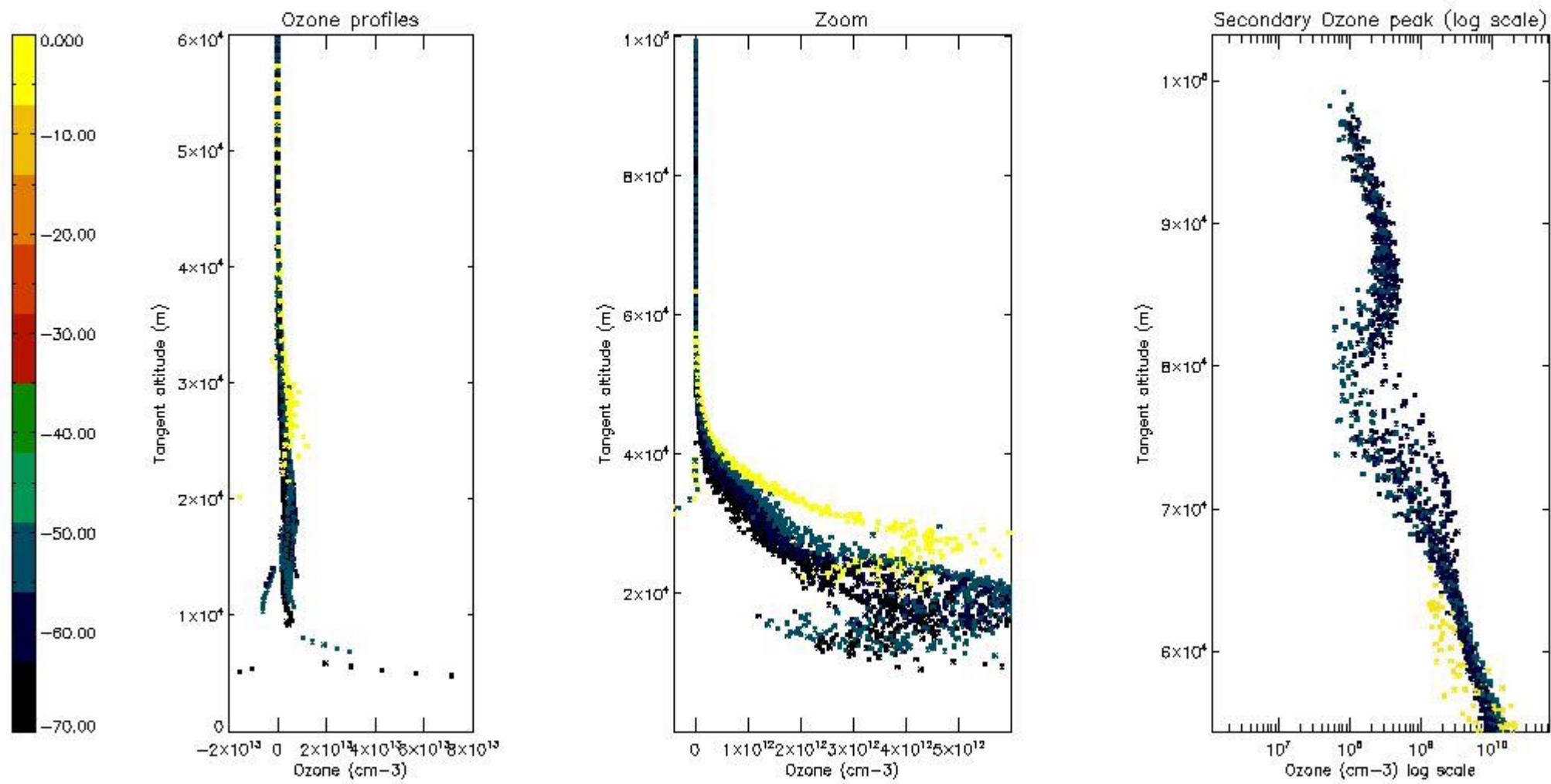
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



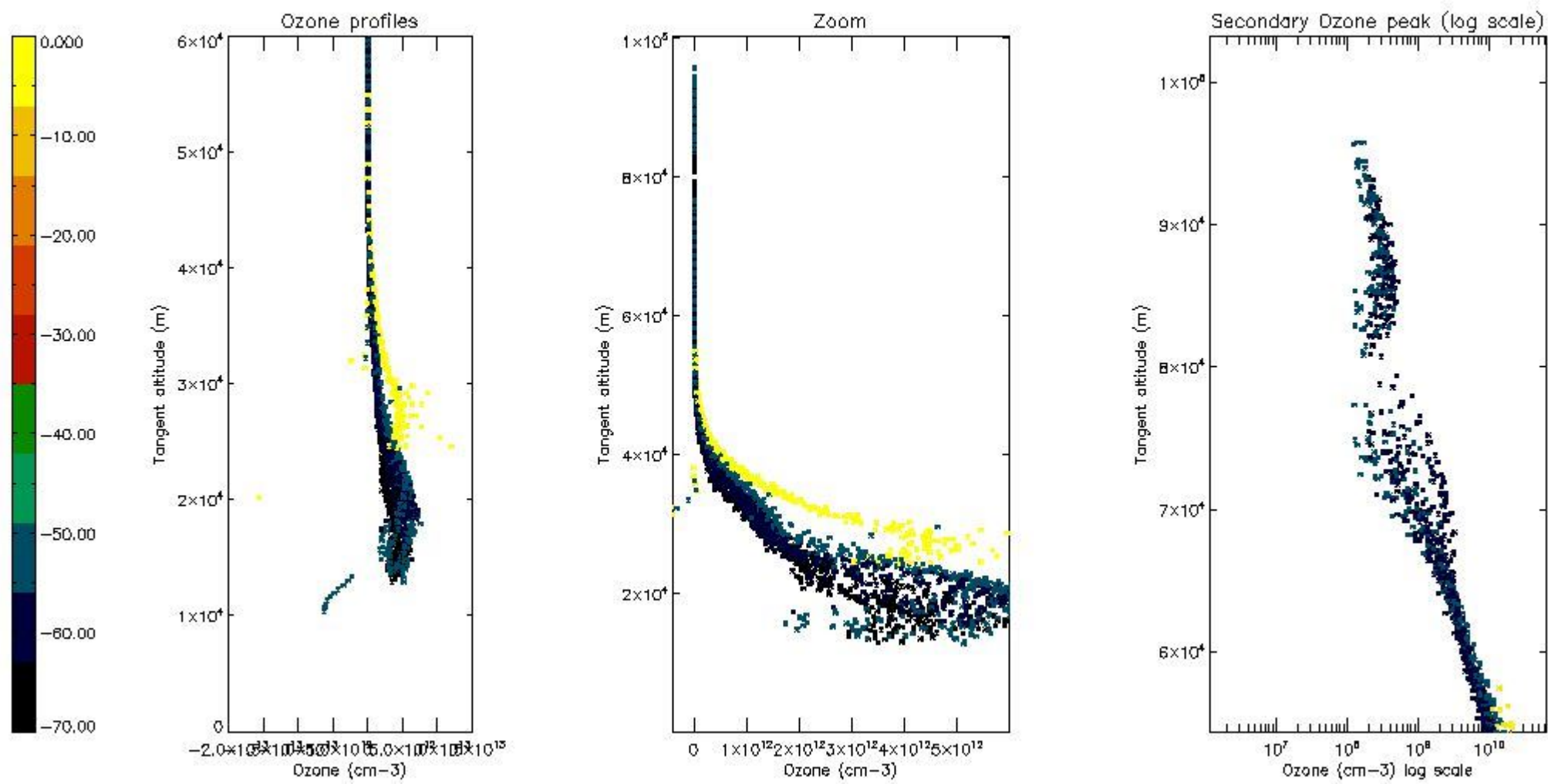
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



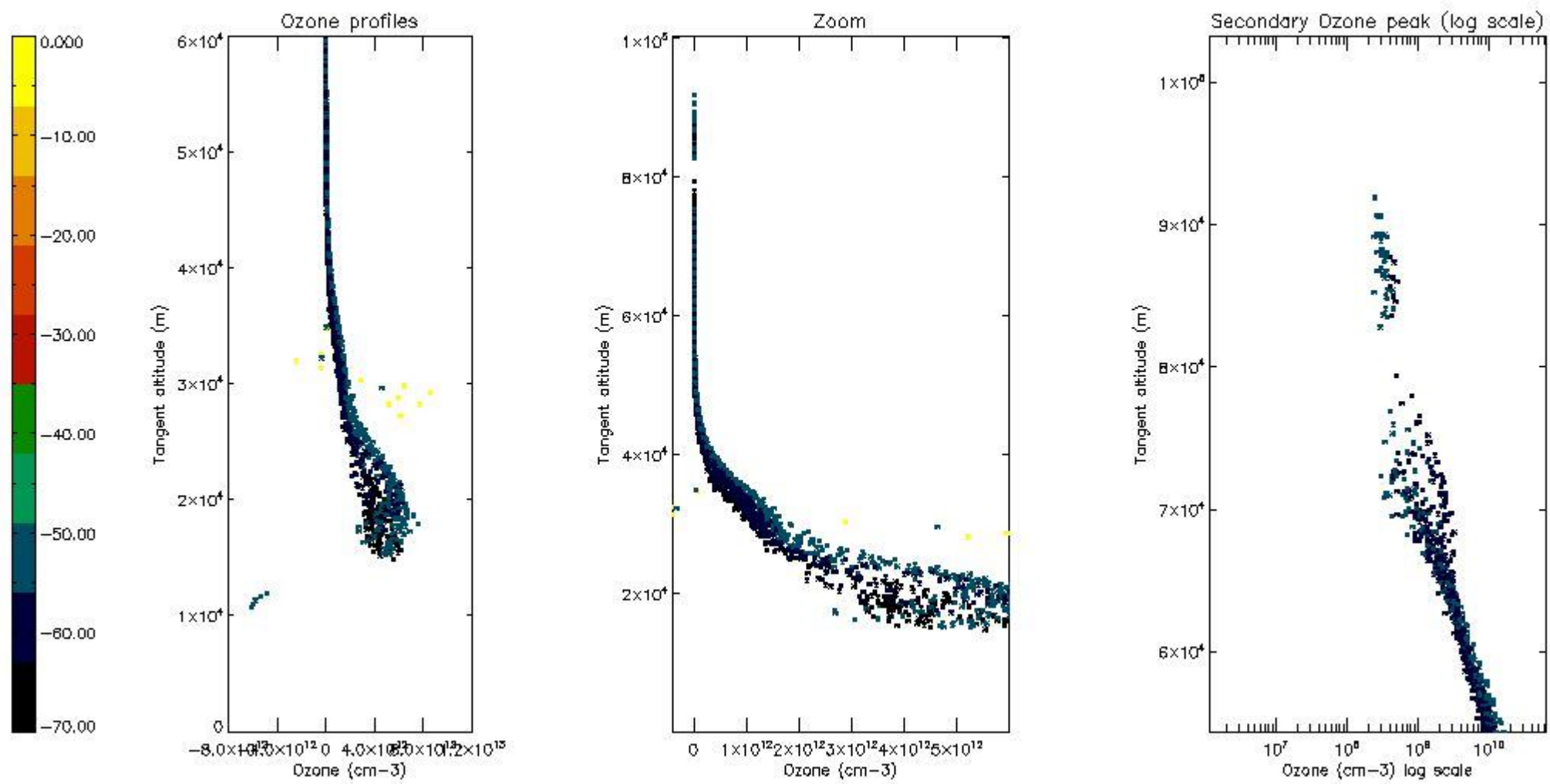
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



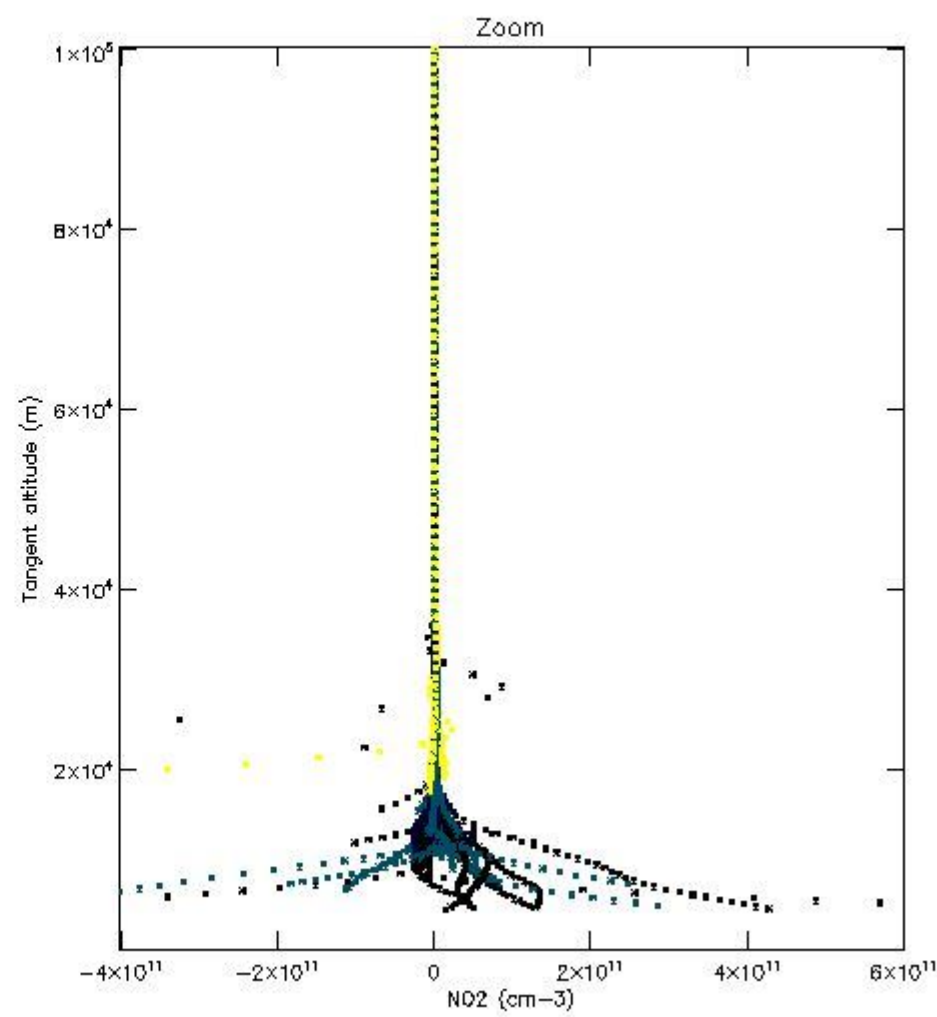
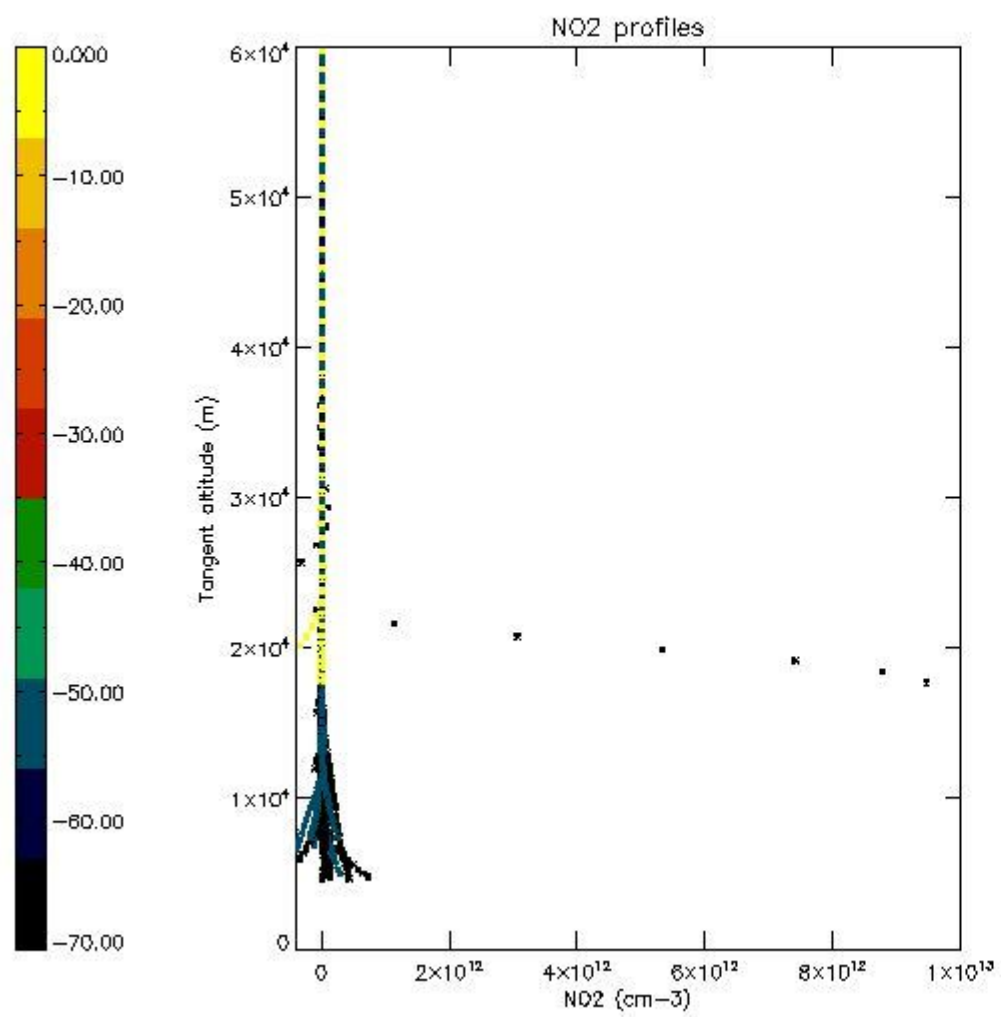
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



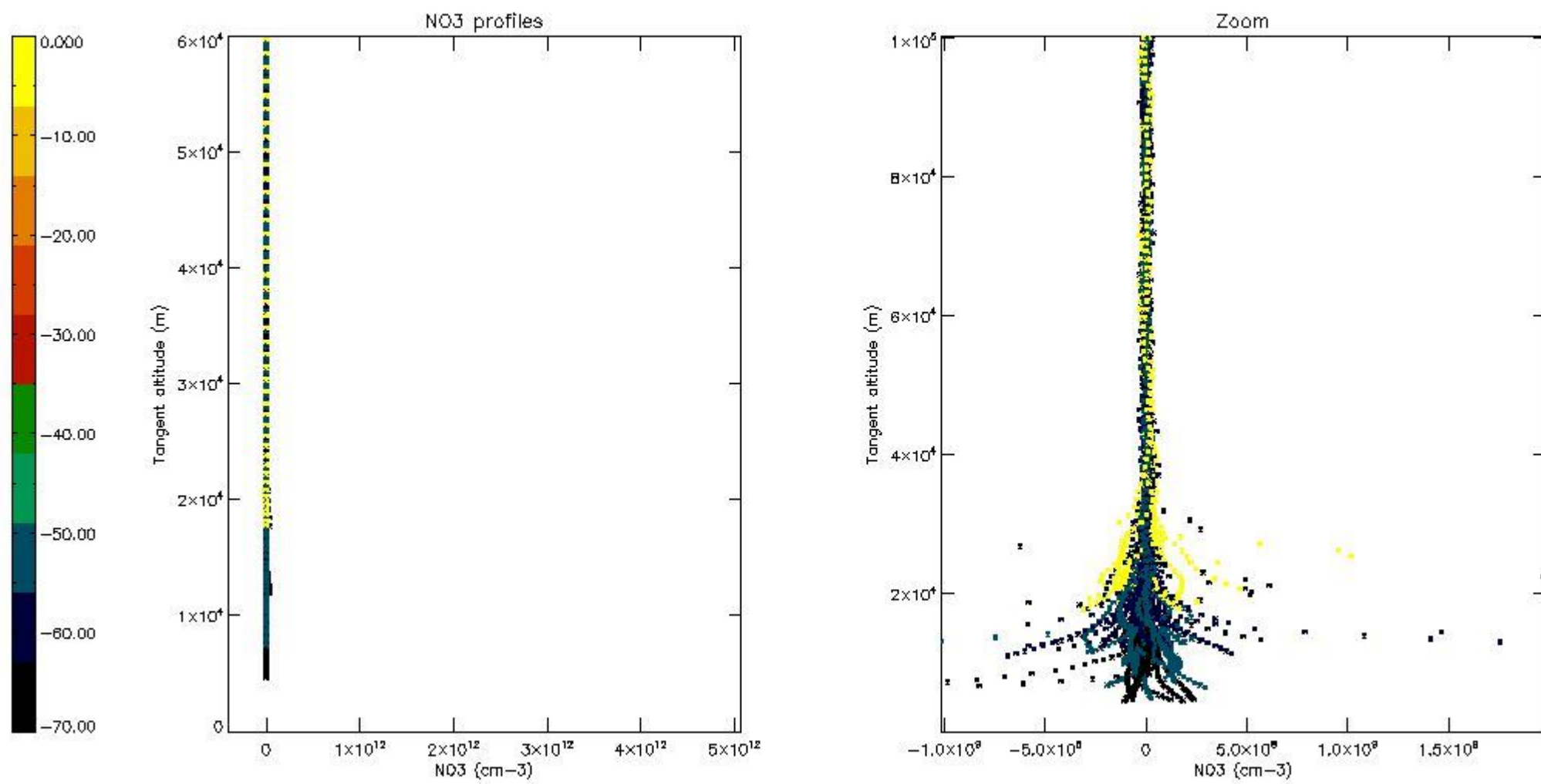
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



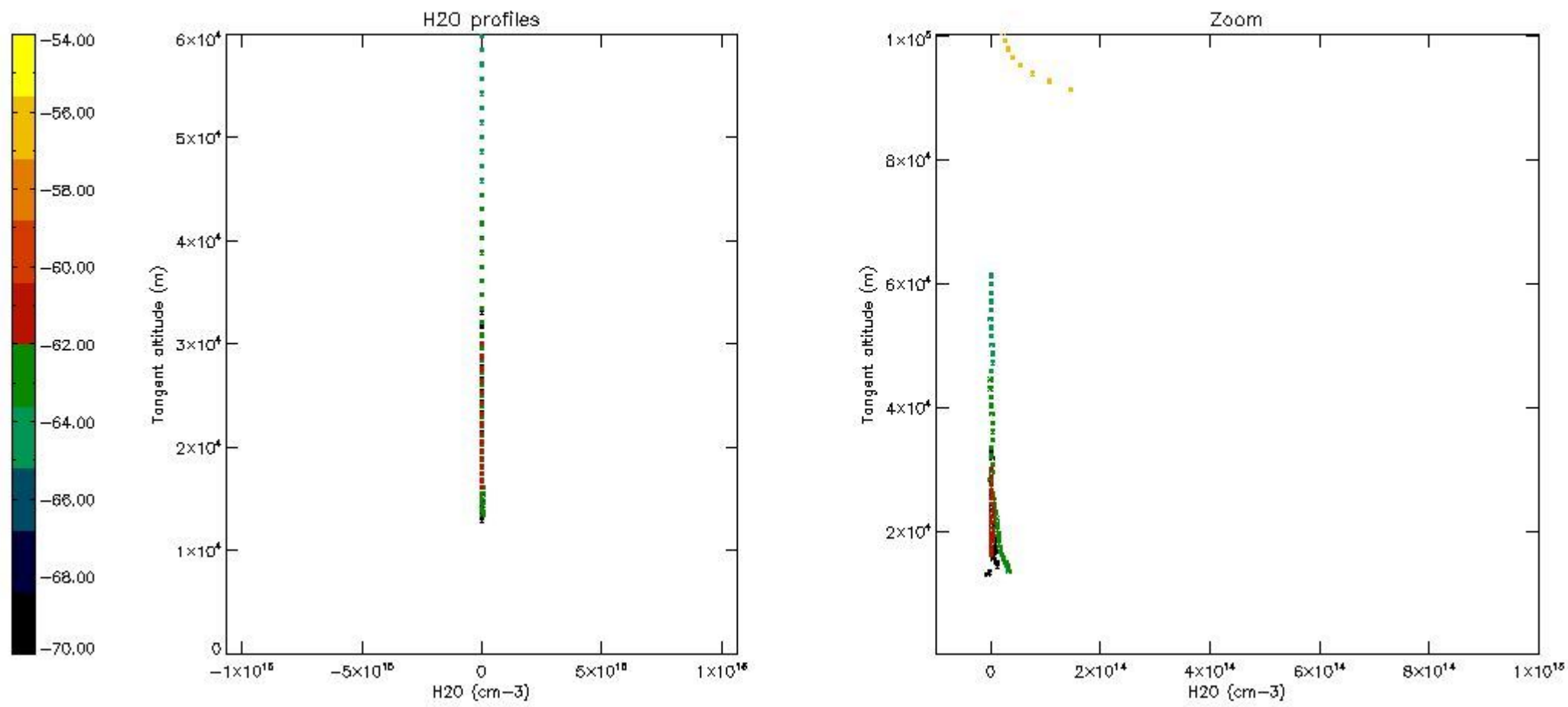
5.7 Plot NO3 profiles for all STD (dark without errors)

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	15-AUG-2009 00:07:34
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2009 00:07:34
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2009 00:07:34

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	26APR2013 11:50:08
Data source version	GOMOS/6.01
Start time of products	15-08-2009 (15AUG2009 00:00:00)
Stop time of products	16-08-2009 (16AUG2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	247
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090815_000734_000000532081_00360_38991_8338.N1	15-AUG-2009 00:07:34	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	38991	No
2	GOM_NL__2PRFIN20090815_001513_000000552081_00360_38991_8339.N1	15-AUG-2009 00:15:13	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	38991	No
3	GOM_NL__2PRFIN20090815_002058_000000432081_00360_38991_8340.N1	15-AUG-2009 00:20:58	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	38991	No
4	GOM_NL__2PRFIN20090815_002428_000000422081_00360_38991_8341.N1	15-AUG-2009 00:24:28	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	38991	No
5	GOM_NL__2PRFIN20090815_002634_000000502081_00360_38991_8342.N1	15-AUG-2009 00:26:34	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	38991	No
6	GOM_NL__2PRFIN20090815_002947_000000472081_00360_38991_8343.N1	15-AUG-2009 00:29:47	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	38991	No
7	GOM_NL__2PRFIN20090815_004448_000000392081_00360_38991_8344.N1	15-AUG-2009 00:44:48	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	38991	No
8	GOM_NL__2PRFIN20090815_004946_000000492081_00360_38991_8345.N1	15-AUG-2009 00:49:46	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	38991	No
9	GOM_NL__2PRFIN20090815_005158_000000482081_00360_38991_8346.N1	15-AUG-2009 00:51:58	Bright	48.000	76	27Gam Cas	2.3000	30000.0	96	38991	No
10	GOM_NL__2PRFIN20090815_010422_000000482081_00360_38991_8347.N1	15-AUG-2009 01:04:22	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	38991	No
11	GOM_NL__2PRFIN20090815_010713_000000392081_00360_38991_8348.N1	15-AUG-2009 01:07:13	Bright	39.000	107	37The Aur	2.6490	11000.0	78	38991	No
12	GOM_NL__2PRFIN20090815_011018_000000502081_00360_38991_8349.N1	15-AUG-2009 01:10:18	Twilight_and_stray	50.000	28	12Bet Tau	1.6500	15200.0	100	38991	No
13	GOM_NL__2PRFIN20090815_011238_000000482081_00360_38991_8350.N1	15-AUG-2009 01:12:38	Twilight_and_stray	47.500	176	23Zet Tau	3.0200	22000.0	95	38991	No
14	GOM_NL__2PRFIN20090815_011633_000000592081_00360_38991_8351.N1	15-AUG-2009 01:16:33	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	38991	No
15	GOM_NL__2PRFIN20090815_011942_000000482081_00360_38991_8352.N1	15-AUG-2009 01:19:42	Dark	48.000	30	46Eps Ori	1.6940	30000.0	96	38991	No
16	GOM_NL__2PRFIN20090815_012107_000000452081_00360_38991_8353.N1	15-AUG-2009 01:21:07	Dark	45.000	125	44Iot Ori	2.7700	30000.0	90	38991	No
17	GOM_NL__2PRFIN20090815_012239_000000592081_00360_38991_8354.N1	15-AUG-2009 01:22:39	Dark	58.500	7	19Bet Ori	0.10000	14000.0	117	38991	No
18	GOM_NL__2PRFIN20090815_013815_000000512081_00361_38992_8352.N1	15-AUG-2009 01:38:15	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38992	No
19	GOM_NL__2PRFIN20090815_014811_000000552081_00361_38992_8353.N1	15-AUG-2009 01:48:11	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	38992	No
20	GOM_NL__2PRFIN20090815_015549_000000552081_00361_38992_8354.N1	15-AUG-2009 01:55:49	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	38992	No
21	GOM_NL__2PRFIN20090815_020134_000000452081_00361_38992_8355.N1	15-AUG-2009 02:01:34	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	38992	No
22	GOM_NL__2PRFIN20090815_020504_000000412081_00361_38992_8356.N1	15-AUG-2009 02:05:04	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	38992	No
23	GOM_NL__2PRFIN20090815_020710_000000512081_00361_38992_8357.N1	15-AUG-2009 02:07:10	Bright	50.500	162	34Alp Aqr	2.9440	5350.0	101	38992	No
24	GOM_NL__2PRFIN20090815_021022_000000472081_00361_38992_8358.N1	15-AUG-2009 02:10:22	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	38992	No
25	GOM_NL__2PRFIN20090815_022525_000000352081_00361_38992_8359.N1	15-AUG-2009 02:25:25	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	38992	No
26	GOM_NL__2PRFIN20090815_023021_000000472081_00361_38992_8360.N1	15-AUG-2009 02:30:21	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	38992	No
27	GOM_NL__2PRFIN20090815_023234_000000472081_00361_38992_8361.N1	15-AUG-2009 02:32:34	Bright	47.000	76	27Gam Cas	2.3000	30000.0	94	38992	No
28	GOM_NL__2PRFIN20090815_024458_000000512081_00361_38992_8362.N1	15-AUG-2009 02:44:58	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	38992	No
29	GOM_NL__2PRFIN20090815_024749_000000392081_00361_38992_8363.N1	15-AUG-2009 02:47:49	Bright	39.000	107	37The Aur	2.6490	11000.0	78	38992	No
30	GOM_NL__2PRFIN20090815_025054_000000482081_00361_38992_8364.N1	15-AUG-2009 02:50:54	Twilight_and_stray	48.000	28	12Bet Tau	1.6500	15200.0	96	38992	No
31	GOM_NL__2PRFIN20090815_025314_000000472081_00361_38992_8365.N1	15-AUG-2009 02:53:14	Twilight_and_stray	47.000	176	23Zet Tau	3.0200	22000.0	94	38992	No
32	GOM_NL__2PRFIN20090815_025709_000000592081_00361_38992_8366.N1	15-AUG-2009 02:57:09	Dark	58.500	14	58Alp Ori	0.87000	3000.0	117	38992	No
33	GOM_NL__2PRFIN20090815_030018_000000482081_00361_38992_8367.N1	15-AUG-2009 03:00:18	Dark	47.500	30	46Eps Ori	1.6940	30000.0	95	38992	No
34	GOM_NL__2PRFIN20090815_030143_000000462081_00361_38992_8368.N1	15-AUG-2009 03:01:43	Dark	45.500	125	44Iot Ori	2.7700	30000.0	91	38992	No
35	GOM_NL__2PRFIN20090815_030315_000000612081_00361_38992_8369.N1	15-AUG-2009 03:03:15	Dark	60.500	7	19Bet Ori	0.10000	14000.0	121	38992	No
36	GOM_NL__2PRFIN20090815_031853_000000512081_00362_38993_8367.N1	15-AUG-2009 03:18:53	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38993	No
37	GOM_NL__2PRFIN20090815_032848_000000522081_00362_38993_8368.N1	15-AUG-2009 03:28:48	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38993	No
38	GOM_NL__2PRFIN20090815_033625_000000552081_00362_38993_8369.N1	15-AUG-2009 03:36:25	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	38993	No
39	GOM_NL__2PRFIN20090815_034210_000000432081_00362_38993_8370.N1	15-AUG-2009 03:42:10	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	38993	No
40	GOM_NL__2PRFIN20090815_034540_000000402081_00362_38993_8371.N1	15-AUG-2009 03:45:40	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	38993	No
41	GOM_NL__2PRFIN20090815_034746_000000492081_00362_38993_8372.N1	15-AUG-2009 03:47:46	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	38993	No
42	GOM_NL__2PRFIN20090815_035058_000000462081_00362_38993_8373.N1	15-AUG-2009 03:50:58	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	38993	No

43	GOM_NL__2PRFIN20090815_040604_000000312081_00362_38993_8374.N1	15-AUG-2009 04:06:04	Bright	31.000	89	5Alp Cep	2.4510	8000.0	62	38993	No
44	GOM_NL__2PRFIN20090815_041056_000000492081_00362_38993_8375.N1	15-AUG-2009 04:10:56	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38993	No
45	GOM_NL__2PRFIN20090815_041309_000000482081_00362_38993_8376.N1	15-AUG-2009 04:13:09	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	38993	No
46	GOM_NL__2PRFIN20090815_042534_000000542081_00362_38993_8377.N1	15-AUG-2009 04:25:34	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	38993	No
47	GOM_NL__2PRFIN20090815_042825_000000392081_00362_38993_8378.N1	15-AUG-2009 04:28:25	Bright	39.000	107	37The Aur	2.6490	11000.	78	38993	No
48	GOM_NL__2PRFIN20090815_043130_000000492081_00362_38993_8379.N1	15-AUG-2009 04:31:30	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	38993	No
49	GOM_NL__2PRFIN20090815_043350_000000462081_00362_38993_8380.N1	15-AUG-2009 04:33:50	Twilight	46.000	176	23Zet Tau	3.0200	22000.	92	38993	No
50	GOM_NL__2PRFIN20090815_043746_000000592081_00362_38993_8381.N1	15-AUG-2009 04:37:46	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	38993	No
51	GOM_NL__2PRFIN20090815_044055_000000472081_00362_38993_8382.N1	15-AUG-2009 04:40:55	Dark	46.500	30	46Eps Ori	1.6940	30000.	93	38993	No
52	GOM_NL__2PRFIN20090815_044220_000000442081_00362_38993_8383.N1	15-AUG-2009 04:42:20	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	38993	No
53	GOM_NL__2PRFIN20090815_044352_000000562081_00362_38993_8384.N1	15-AUG-2009 04:43:52	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	38993	No
54	GOM_NL__2PRFIN20090815_045930_000000512081_00363_38994_8381.N1	15-AUG-2009 04:59:30	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38994	No
55	GOM_NL__2PRFIN20090815_050925_000000522081_00363_38994_8382.N1	15-AUG-2009 05:09:25	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38994	No
56	GOM_NL__2PRFIN20090815_051702_000000522081_00363_38994_8383.N1	15-AUG-2009 05:17:02	Twilight	52.000	18	24Alp PsA	1.1660	9700.0	104	38994	No
57	GOM_NL__2PRFIN20090815_052246_000000442081_00363_38994_8384.N1	15-AUG-2009 05:22:46	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	38994	No
58	GOM_NL__2PRFIN20090815_052616_000000412081_00363_38994_8385.N1	15-AUG-2009 05:26:16	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	38994	No
59	GOM_NL__2PRFIN20090815_052822_000000502081_00363_38994_8386.N1	15-AUG-2009 05:28:22	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	38994	No
60	GOM_NL__2PRFIN20090815_053134_000000542081_00363_38994_8387.N1	15-AUG-2009 05:31:34	Bright	54.000	61	8Eps Peg	2.1000	3900.0	108	38994	No
61	GOM_NL__2PRFIN20090815_055131_000000492081_00363_38994_8388.N1	15-AUG-2009 05:51:31	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38994	No
62	GOM_NL__2PRFIN20090815_055344_000000482081_00363_38994_8389.N1	15-AUG-2009 05:53:44	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38994	No
63	GOM_NL__2PRFIN20090815_060610_000000482081_00363_38994_8390.N1	15-AUG-2009 06:06:10	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	38994	No
64	GOM_NL__2PRFIN20090815_060902_000000402081_00363_38994_8391.N1	15-AUG-2009 06:09:02	Bright	39.500	107	37The Aur	2.6490	11000.	79	38994	No
65	GOM_NL__2PRFIN20090815_061206_000000492081_00363_38994_8392.N1	15-AUG-2009 06:12:06	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	38994	No
66	GOM_NL__2PRFIN20090815_061426_000000472081_00363_38994_8393.N1	15-AUG-2009 06:14:26	Twilight	47.000	176	23Zet Tau	3.0200	22000.	94	38994	No
67	GOM_NL__2PRFIN20090815_061822_000000452081_00363_38994_8394.N1	15-AUG-2009 06:18:22	Dark	45.000	14	58Alp Ori	0.87000	3000.0	90	38994	No
68	GOM_NL__2PRFIN20090815_062132_000000492081_00363_38994_8395.N1	15-AUG-2009 06:21:32	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	38994	No
69	GOM_NL__2PRFIN20090815_062256_000000462081_00363_38994_8396.N1	15-AUG-2009 06:22:56	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	38994	No
70	GOM_NL__2PRFIN20090815_062429_000000572081_00363_38994_8397.N1	15-AUG-2009 06:24:29	Dark	57.000	7	19Bet Ori	0.10000	14000.	114	38994	No
71	GOM_NL__2PRFIN20090815_064007_000000502081_00364_38995_8395.N1	15-AUG-2009 06:40:07	Dark	49.500	157	The1Eri	2.9060	9300.0	99	38995	No
72	GOM_NL__2PRFIN20090815_065002_000000532081_00364_38995_8396.N1	15-AUG-2009 06:50:02	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	38995	No
73	GOM_NL__2PRFIN20090815_065738_000000532081_00364_38995_8397.N1	15-AUG-2009 06:57:38	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	38995	No
74	GOM_NL__2PRFIN20090815_070322_000000602081_00364_38995_8398.N1	15-AUG-2009 07:03:22	Bright	59.500	142	49Del Cap	2.8500	8900.0	119	38995	No
75	GOM_NL__2PRFIN20090815_070652_000000402081_00364_38995_8399.N1	15-AUG-2009 07:06:52	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	38995	No
76	GOM_NL__2PRFIN20090815_070857_000000492081_00364_38995_8400.N1	15-AUG-2009 07:08:57	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	38995	No
77	GOM_NL__2PRFIN20090815_071209_000000552081_00364_38995_8401.N1	15-AUG-2009 07:12:09	Bright	55.000	61	8Eps Peg	2.1000	3900.0	110	38995	No
78	GOM_NL__2PRFIN20090815_073206_000000482081_00364_38995_8402.N1	15-AUG-2009 07:32:06	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38995	No
79	GOM_NL__2PRFIN20090815_073419_000000492081_00364_38995_8403.N1	15-AUG-2009 07:34:19	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38995	No
80	GOM_NL__2PRFIN20090815_074646_000000552081_00364_38995_8404.N1	15-AUG-2009 07:46:46	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	38995	No
81	GOM_NL__2PRFIN20090815_074938_000000402081_00364_38995_8405.N1	15-AUG-2009 07:49:38	Bright	40.000	107	37The Aur	2.6490	11000.	80	38995	No
82	GOM_NL__2PRFIN20090815_075242_000000522081_00364_38995_8406.N1	15-AUG-2009 07:52:42	Twilight	51.500	28	12Bet Tau	1.6500	15200.	103	38995	No
83	GOM_NL__2PRFIN20090815_075503_000000452081_00364_38995_8407.N1	15-AUG-2009 07:55:03	Twilight	45.000	176	23Zet Tau	3.0200	22000.	90	38995	No
84	GOM_NL__2PRFIN20090815_075859_000000432081_00364_38995_8408.N1	15-AUG-2009 07:58:59	Dark	42.500	14	58Alp Ori	0.87000	3000.0	85	38995	No
85	GOM_NL__2PRFIN20090815_080208_000000492081_00364_38995_8409.N1	15-AUG-2009 08:02:08	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	38995	No
86	GOM_NL__2PRFIN20090815_080333_000000462081_00364_38995_8410.N1	15-AUG-2009 08:03:33	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	38995	No
87	GOM_NL__2PRFIN20090815_080505_000000622081_00364_38995_8411.N1	15-AUG-2009 08:05:05	Dark	61.500	7	19Bet Ori	0.10000	14000.	123	38995	No
88	GOM_NL__2PRFIN20090815_082044_000000512081_00365_38996_8409.N1	15-AUG-2009 08:20:44	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38996	No
89	GOM_NL__2PRFIN20090815_083039_000000562081_00365_38996_8410.N1	15-AUG-2009 08:30:39	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	38996	No
90	GOM_NL__2PRFIN20090815_083815_000000542081_00365_38996_8411.N1	15-AUG-2009 08:38:15	Twilight	53.500	18	24Alp PsA	1.1660	9700.0	107	38996	No
91	GOM_NL__2PRFIN20090815_084358_000000612081_00365_38996_8412.N1	15-AUG-2009 08:43:58	Bright	61.000	142	49Del Cap	2.8500	8900.0	122	38996	No
92	GOM_NL__2PRFIN20090815_084728_000000602081_00365_38996_8413.N1	15-AUG-2009 08:47:28	Bright	60.000	154	22Bet Aqr	2.8990	5700.0	120	38996	No
93	GOM_NL__2PRFIN20090815_084933_000000492081_00365_38996_8414.N1	15-AUG-2009 08:49:33	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	38996	No
94	GOM_NL__2PRFIN20090815_085245_000000652081_00365_38996_8415.N1	15-AUG-2009 08:52:45	Bright	65.000	61	8Eps Peg	2.1000	3900.0	130	38996	No
95	GOM_NL__2PRFIN20090815_091242_000000492081_00365_38996_8416.N1	15-AUG-2009 09:12:42	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38996	No
96	GOM_NL__2PRFIN20090815_091455_000000492081_00365_38996_8417.N1	15-AUG-2009 09:14:55	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38996	No
97	GOM_NL__2PRFIN20090815_092722_000000502081_00365_38996_8418.N1	15-AUG-2009 09:27:22	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	38996	No
98	GOM_NL__2PRFIN20090815_093014_000000412081_00365_38996_8419.N1	15-AUG-2009 09:30:14	Bright	41.000	107	37The Aur	2.6490	11000.	82	38996	No
99	GOM_NL__2PRFIN20090815_093318_000000512081_00365_38996_8420.N1	15-AUG-2009 09:33:18	Twilight	51.000	28	12Bet Tau	1.6500	15200.	102	38996	No
100	GOM_NL__2PRFIN20090815_093539_000000432081_00365_38996_8421.N1	15-AUG-2009 09:35:39	Twilight	43.000	176	23Zet Tau	3.0200	22000.	86	38996	No
101	GOM_NL__2PRFIN20090815_093935_000000432081_00365_38996_8422.N1	15-AUG-2009 09:39:35	Dark	43.000	14	58Alp Ori	0.87000	3000.0	86	38996	No

102	GOM_NL__2PRFIN20090815_094245_000000512081_00365_38996_8423.N1	15-AUG-2009 09:42:45	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	38996	No
103	GOM_NL__2PRFIN20090815_094410_000000482081_00365_38996_8424.N1	15-AUG-2009 09:44:10	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	38996	No
104	GOM_NL__2PRFIN20090815_094542_000000562081_00365_38996_8425.N1	15-AUG-2009 09:45:42	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	38996	No
105	GOM_NL__2PRFIN20090815_094735_000000472081_00365_38996_8426.N1	15-AUG-2009 09:47:35	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	38996	No
106	GOM_NL__2PRFIN20090815_100121_000000512081_00366_38997_8424.N1	15-AUG-2009 10:01:21	Dark	50.500	157	The1Eri	2.9060	9300.0	101	38997	No
107	GOM_NL__2PRFIN20090815_101115_000000522081_00366_38997_8425.N1	15-AUG-2009 10:11:15	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38997	No
108	GOM_NL__2PRFIN20090815_101851_000000532081_00366_38997_8426.N1	15-AUG-2009 10:18:51	Twilight_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	38997	No
109	GOM_NL__2PRFIN20090815_102434_000000612081_00366_38997_8427.N1	15-AUG-2009 10:24:34	Bright	60.500	142	49Del Cap	2.8500	8900.0	121	38997	No
110	GOM_NL__2PRFIN20090815_102803_000000422081_00366_38997_8428.N1	15-AUG-2009 10:28:03	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	38997	No
111	GOM_NL__2PRFIN20090815_103008_000000492081_00366_38997_8429.N1	15-AUG-2009 10:30:08	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	38997	No
112	GOM_NL__2PRFIN20090815_103321_000000462081_00366_38997_8430.N1	15-AUG-2009 10:33:21	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	38997	No
113	GOM_NL__2PRFIN20090815_105316_000000492081_00366_38997_8431.N1	15-AUG-2009 10:53:16	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38997	No
114	GOM_NL__2PRFIN20090815_105530_000000472081_00366_38997_8432.N1	15-AUG-2009 10:55:30	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	38997	No
115	GOM_NL__2PRFIN20090815_110758_000000482081_00366_38997_8433.N1	15-AUG-2009 11:07:58	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	38997	No
116	GOM_NL__2PRFIN20090815_111049_000000392081_00366_38997_8434.N1	15-AUG-2009 11:10:49	Bright	38.500	107	37The Aur	2.6490	11000.	77	38997	No
117	GOM_NL__2PRFIN20090815_111354_000000502081_00366_38997_8435.N1	15-AUG-2009 11:13:54	Twilight_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	38997	No
118	GOM_NL__2PRFIN20090815_111615_000000452081_00366_38997_8436.N1	15-AUG-2009 11:16:15	Twilight_and_stray	44.500	176	23Zet Tau	3.0200	22000.	89	38997	No
119	GOM_NL__2PRFIN20090815_112011_000000592081_00366_38997_8437.N1	15-AUG-2009 11:20:11	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	38997	No
120	GOM_NL__2PRFIN20090815_112321_000000482081_00366_38997_8438.N1	15-AUG-2009 11:23:21	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	38997	No
121	GOM_NL__2PRFIN20090815_112446_000000462081_00366_38997_8439.N1	15-AUG-2009 11:24:46	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	38997	No
122	GOM_NL__2PRFIN20090815_112619_000000642081_00366_38997_8440.N1	15-AUG-2009 11:26:19	Dark	63.500	7	19Bet Ori	0.10000	14000.	127	38997	No
123	GOM_NL__2PRFIN20090815_112812_000000472081_00366_38997_8441.N1	15-AUG-2009 11:28:12	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	38997	No
124	GOM_NL__2PRFIN20090815_114158_000000512081_00367_38998_8438.N1	15-AUG-2009 11:41:58	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38998	No
125	GOM_NL__2PRFIN20090815_115152_000000522081_00367_38998_8439.N1	15-AUG-2009 11:51:52	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38998	No
126	GOM_NL__2PRFIN20090815_115927_000000542081_00367_38998_8440.N1	15-AUG-2009 11:59:27	Twilight_and_stray	54.000	18	24Alp PsA	1.1660	9700.0	108	38998	No
127	GOM_NL__2PRFIN20090815_120510_000000432081_00367_38998_8441.N1	15-AUG-2009 12:05:10	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	38998	No
128	GOM_NL__2PRFIN20090815_120839_000000432081_00367_38998_8442.N1	15-AUG-2009 12:08:39	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	38998	No
129	GOM_NL__2PRFIN20090815_121044_000000492081_00367_38998_8443.N1	15-AUG-2009 12:10:44	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	38998	No
130	GOM_NL__2PRFIN20090815_121356_000000522081_00367_38998_8444.N1	15-AUG-2009 12:13:56	Bright	52.000	61	8Eps Peg	2.1000	3900.0	104	38998	No
131	GOM_NL__2PRFIN20090815_123605_000000492081_00367_38998_8445.N1	15-AUG-2009 12:36:05	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	38998	No
132	GOM_NL__2PRFIN20090815_124833_000000522081_00367_38998_8446.N1	15-AUG-2009 12:48:33	Bright	52.000	6	13Alp Aur	0.080000	3400.0	104	38998	No
133	GOM_NL__2PRFIN20090815_125125_000000472081_00367_38998_8447.N1	15-AUG-2009 12:51:25	Bright	47.000	107	37The Aur	2.6490	11000.	94	38998	No
134	GOM_NL__2PRFIN20090815_125430_000000502081_00367_38998_8448.N1	15-AUG-2009 12:54:30	Twilight_and_stray	50.000	28	12Bet Tau	1.6500	15200.	100	38998	No
135	GOM_NL__2PRFIN20090815_125651_000000482081_00367_38998_8449.N1	15-AUG-2009 12:56:51	Twilight_and_stray	47.500	176	23Zet Tau	3.0200	22000.	95	38998	No
136	GOM_NL__2PRFIN20090815_130048_000000572081_00367_38998_8450.N1	15-AUG-2009 13:00:48	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	38998	No
137	GOM_NL__2PRFIN20090815_130358_000000492081_00367_38998_8451.N1	15-AUG-2009 13:03:58	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	38998	No
138	GOM_NL__2PRFIN20090815_130523_000000462081_00367_38998_8452.N1	15-AUG-2009 13:05:23	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	38998	No
139	GOM_NL__2PRFIN20090815_130655_000000562081_00367_38998_8453.N1	15-AUG-2009 13:06:55	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	38998	No
140	GOM_NL__2PRFIN20090815_130849_000000462081_00367_38998_8454.N1	15-AUG-2009 13:08:49	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	38998	No
141	GOM_NL__2PRFIN20090815_132235_000000512081_00368_38999_8451.N1	15-AUG-2009 13:22:35	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38999	No
142	GOM_NL__2PRFIN20090815_133229_000000602081_00368_38999_8452.N1	15-AUG-2009 13:32:29	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	38999	No
143	GOM_NL__2PRFIN20090815_134004_000000542081_00368_38999_8453.N1	15-AUG-2009 13:40:04	Twilight_and_stray	53.500	18	24Alp PsA	1.1660	9700.0	107	38999	No
144	GOM_NL__2PRFIN20090815_134546_000000442081_00368_38999_8454.N1	15-AUG-2009 13:45:46	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	38999	No
145	GOM_NL__2PRFIN20090815_134915_000000432081_00368_38999_8455.N1	15-AUG-2009 13:49:15	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	38999	No
146	GOM_NL__2PRFIN20090815_135120_000000472081_00368_38999_8456.N1	15-AUG-2009 13:51:20	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	38999	No
147	GOM_NL__2PRFIN20090815_135431_000000472081_00368_38999_8457.N1	15-AUG-2009 13:54:31	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	38999	No
148	GOM_NL__2PRFIN20090815_141640_000000722081_00368_38999_8458.N1	15-AUG-2009 14:16:40	Bright	72.000	76	27Gam Cas	2.3000	30000.	144	38999	No
149	GOM_NL__2PRFIN20090815_142909_000000472081_00368_38999_8459.N1	15-AUG-2009 14:29:09	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	38999	No
150	GOM_NL__2PRFIN20090815_143201_000000402081_00368_38999_8460.N1	15-AUG-2009 14:32:01	Bright	39.500	107	37The Aur	2.6490	11000.	79	38999	No
151	GOM_NL__2PRFIN20090815_143507_000000522081_00368_38999_8461.N1	15-AUG-2009 14:35:07	Twilight_and_stray	52.000	28	12Bet Tau	1.6500	15200.	104	38999	No
152	GOM_NL__2PRFIN20090815_143727_000000482081_00368_38999_8462.N1	15-AUG-2009 14:37:27	Twilight_and_stray	48.000	176	23Zet Tau	3.0200	22000.	96	38999	No
153	GOM_NL__2PRFIN20090815_144124_000000482081_00368_38999_8463.N1	15-AUG-2009 14:41:24	Dark	47.500	14	58Alp Ori	0.87000	3000.0	95	38999	No
154	GOM_NL__2PRFIN20090815_144434_000000502081_00368_38999_8464.N1	15-AUG-2009 14:44:34	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	38999	No
155	GOM_NL__2PRFIN20090815_144559_000000442081_00368_38999_8465.N1	15-AUG-2009 14:45:59	Dark	43.500	125	44Iot Ori	2.7700	30000.	87	38999	No
156	GOM_NL__2PRFIN20090815_144732_000000542081_00368_38999_8466.N1	15-AUG-2009 14:47:32	Dark	53.500	7	19Bet Ori	0.10000	14000.	107	38999	No
157	GOM_NL__2PRFIN20090815_144925_000000482081_00368_38999_8467.N1	15-AUG-2009 14:49:25	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	38999	No
158	GOM_NL__2PRFIN20090815_150312_000000502081_00369_39000_8468.N1	15-AUG-2009 15:03:12	Dark	50.000	157	The1Eri	2.9060	9300.0	100	39000	No
159	GOM_NL__2PRFIN20090815_151306_000000562081_00369_39000_8469.N1	15-AUG-2009 15:13:06	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	39000	No
160	GOM_NL__2PRFIN20090815_152040_000000532081_00369_39000_8470.N1	15-AUG-2009 15:20:40	Twilight_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	39000	No

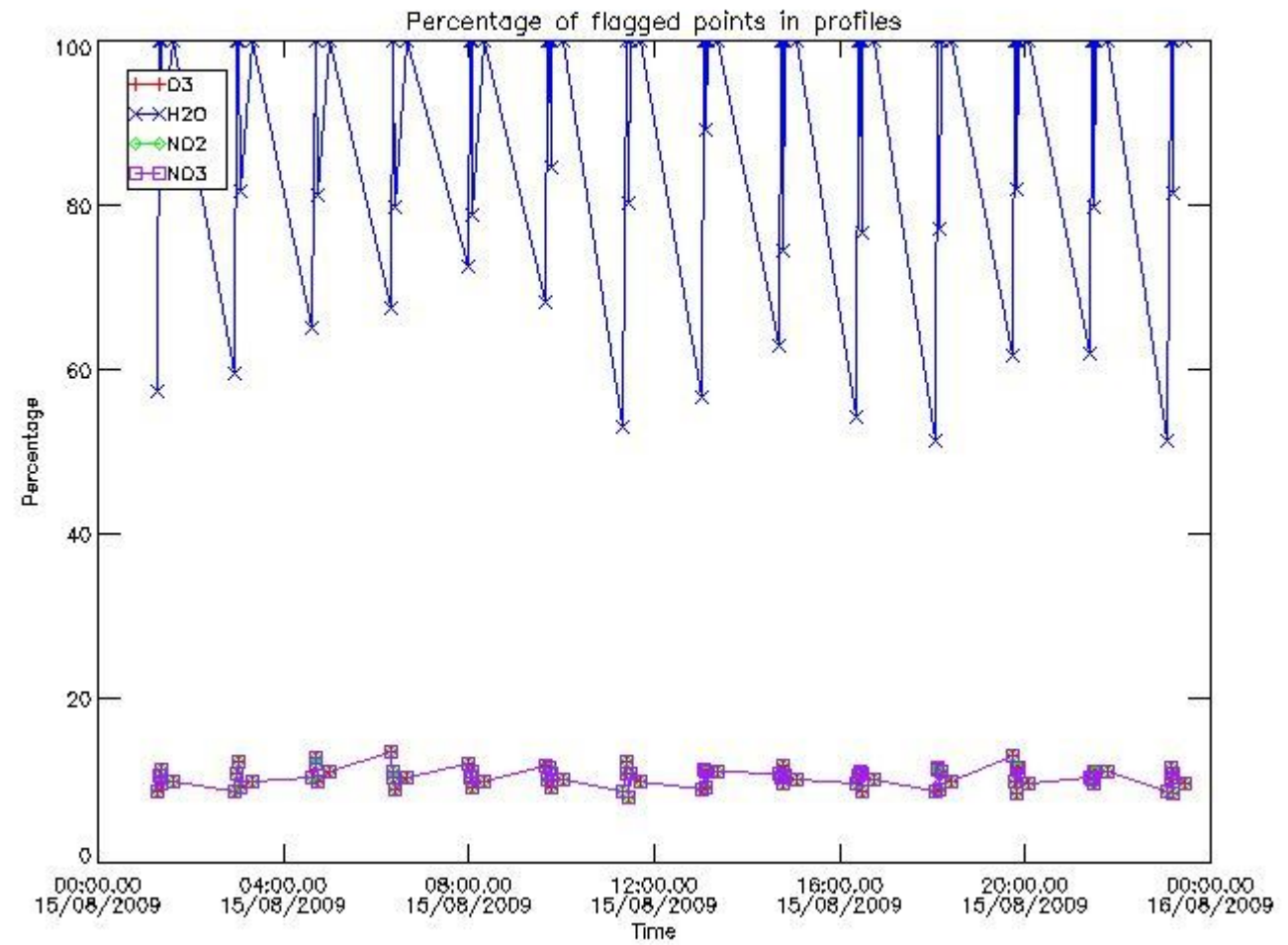
161	GOM_NL__2PRFIN20090815_152622_000000442081_00369_39000_8471.N1	15-AUG-2009 15:26:22	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	39000	No
162	GOM_NL__2PRFIN20090815_152951_000000432081_00369_39000_8472.N1	15-AUG-2009 15:29:51	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	39000	No
163	GOM_NL__2PRFIN20090815_153155_000000692081_00369_39000_8473.N1	15-AUG-2009 15:31:55	Bright	69.000	162	34Alp Aqr	2.9440	5350.0	138	39000	No
164	GOM_NL__2PRFIN20090815_153507_000000482081_00369_39000_8474.N1	15-AUG-2009 15:35:07	Bright	47.500	61	8Eps Peg	2.1000	3900.0	95	39000	No
165	GOM_NL__2PRFIN20090815_155715_000000482081_00369_39000_8475.N1	15-AUG-2009 15:57:15	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	39000	No
166	GOM_NL__2PRFIN20090815_160945_000000622081_00369_39000_8476.N1	15-AUG-2009 16:09:45	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39000	No
167	GOM_NL__2PRFIN20090815_161238_000000402081_00369_39000_8477.N1	15-AUG-2009 16:12:38	Bright	40.000	107	37The Aur	2.6490	11000.	80	39000	No
168	GOM_NL__2PRFIN20090815_161543_000000522081_00369_39000_8478.N1	15-AUG-2009 16:15:43	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	39000	No
169	GOM_NL__2PRFIN20090815_161804_000000472081_00369_39000_8479.N1	15-AUG-2009 16:18:04	Twilight	46.500	176	23Zet Tau	3.0200	22000.	93	39000	No
170	GOM_NL__2PRFIN20090815_162200_000000532081_00369_39000_8480.N1	15-AUG-2009 16:22:00	Dark	53.000	14	58Alp Ori	0.87000	3000.0	106	39000	No
171	GOM_NL__2PRFIN20090815_162511_000000492081_00369_39000_8481.N1	15-AUG-2009 16:25:11	Dark	48.500	30	46Eps Ori	1.6940	30000.	97	39000	No
172	GOM_NL__2PRFIN20090815_162636_000000462081_00369_39000_8482.N1	15-AUG-2009 16:26:36	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	39000	No
173	GOM_NL__2PRFIN20090815_162809_000000592081_00369_39000_8483.N1	15-AUG-2009 16:28:09	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	39000	No
174	GOM_NL__2PRFIN20090815_163002_000000472081_00369_39000_8484.N1	15-AUG-2009 16:30:02	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39000	No
175	GOM_NL__2PRFIN20090815_164349_000000512081_00370_39001_8503.N1	15-AUG-2009 16:43:49	Dark	50.500	157	The1Eri	2.9060	9300.0	101	39001	No
176	GOM_NL__2PRFIN20090815_165342_000000552081_00370_39001_8504.N1	15-AUG-2009 16:53:42	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	39001	No
177	GOM_NL__2PRFIN20090815_170116_000000532081_00370_39001_8505.N1	15-AUG-2009 17:01:16	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	39001	No
178	GOM_NL__2PRFIN20090815_170658_000000442081_00370_39001_8506.N1	15-AUG-2009 17:06:58	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	39001	No
179	GOM_NL__2PRFIN20090815_171027_000000422081_00370_39001_8507.N1	15-AUG-2009 17:10:27	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39001	No
180	GOM_NL__2PRFIN20090815_171231_000000492081_00370_39001_8508.N1	15-AUG-2009 17:12:31	Bright	49.000	162	34Alp Aqr	2.9440	5350.0	98	39001	No
181	GOM_NL__2PRFIN20090815_171543_000000442081_00370_39001_8509.N1	15-AUG-2009 17:15:43	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	39001	No
182	GOM_NL__2PRFIN20090815_173750_000000492081_00370_39001_8510.N1	15-AUG-2009 17:37:50	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	39001	No
183	GOM_NL__2PRFIN20090815_175021_000000622081_00370_39001_8511.N1	15-AUG-2009 17:50:21	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39001	No
184	GOM_NL__2PRFIN20090815_175313_000000392081_00370_39001_8512.N1	15-AUG-2009 17:53:13	Bright	38.500	107	37The Aur	2.6490	11000.	77	39001	No
185	GOM_NL__2PRFIN20090815_175619_000000512081_00370_39001_8513.N1	15-AUG-2009 17:56:19	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	39001	No
186	GOM_NL__2PRFIN20090815_175840_000000482081_00370_39001_8514.N1	15-AUG-2009 17:58:40	Twilight	47.500	176	23Zet Tau	3.0200	22000.	95	39001	No
187	GOM_NL__2PRFIN20090815_180237_000000592081_00370_39001_8515.N1	15-AUG-2009 18:02:37	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39001	No
188	GOM_NL__2PRFIN20090815_180547_000000502081_00370_39001_8516.N1	15-AUG-2009 18:05:47	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39001	No
189	GOM_NL__2PRFIN20090815_180712_000000452081_00370_39001_8517.N1	15-AUG-2009 18:07:12	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	39001	No
190	GOM_NL__2PRFIN20090815_180846_000000582081_00370_39001_8518.N1	15-AUG-2009 18:08:46	Dark	57.500	7	19Bet Ori	0.10000	14000.	115	39001	No
191	GOM_NL__2PRFIN20090815_181038_000000462081_00370_39001_8519.N1	15-AUG-2009 18:10:38	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	39001	No
192	GOM_NL__2PRFIN20090815_182427_000000522081_00371_39002_8516.N1	15-AUG-2009 18:24:27	Dark	51.500	157	The1Eri	2.9060	9300.0	103	39002	No
193	GOM_NL__2PRFIN20090815_183419_000000502081_00371_39002_8517.N1	15-AUG-2009 18:34:19	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	39002	No
194	GOM_NL__2PRFIN20090815_184153_000000552081_00371_39002_8518.N1	15-AUG-2009 18:41:53	Twilight	54.500	18	24Alp PsA	1.1660	9700.0	109	39002	No
195	GOM_NL__2PRFIN20090815_184734_000000442081_00371_39002_8519.N1	15-AUG-2009 18:47:34	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	39002	No
196	GOM_NL__2PRFIN20090815_185103_000000422081_00371_39002_8520.N1	15-AUG-2009 18:51:03	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39002	No
197	GOM_NL__2PRFIN20090815_185307_000000502081_00371_39002_8521.N1	15-AUG-2009 18:53:07	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	39002	No
198	GOM_NL__2PRFIN20090815_185618_000000652081_00371_39002_8522.N1	15-AUG-2009 18:56:18	Bright	65.000	61	8Eps Peg	2.1000	3900.0	130	39002	No
199	GOM_NL__2PRFIN20090815_191826_000000502081_00371_39002_8523.N1	15-AUG-2009 19:18:26	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	39002	No
200	GOM_NL__2PRFIN20090815_193057_000000492081_00371_39002_8524.N1	15-AUG-2009 19:30:57	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	39002	No
201	GOM_NL__2PRFIN20090815_193350_000000392081_00371_39002_8525.N1	15-AUG-2009 19:33:50	Bright	38.500	107	37The Aur	2.6490	11000.	77	39002	No
202	GOM_NL__2PRFIN20090815_193916_000000492081_00371_39002_8526.N1	15-AUG-2009 19:39:16	Twilight	48.500	176	23Zet Tau	3.0200	22000.	97	39002	No
203	GOM_NL__2PRFIN20090815_194313_000000592081_00371_39002_8527.N1	15-AUG-2009 19:43:13	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39002	No
204	GOM_NL__2PRFIN20090815_194624_000000522081_00371_39002_8528.N1	15-AUG-2009 19:46:24	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	39002	No
205	GOM_NL__2PRFIN20090815_194749_000000442081_00371_39002_8529.N1	15-AUG-2009 19:47:49	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	39002	No
206	GOM_NL__2PRFIN20090815_194922_000000612081_00371_39002_8530.N1	15-AUG-2009 19:49:22	Dark	61.000	7	19Bet Ori	0.10000	14000.	122	39002	No
207	GOM_NL__2PRFIN20090815_195115_000000452081_00371_39002_8531.N1	15-AUG-2009 19:51:15	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	39002	No
208	GOM_NL__2PRFIN20090815_200504_000000532081_00372_39003_8531.N1	15-AUG-2009 20:05:04	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39003	No
209	GOM_NL__2PRFIN20090815_201456_000000662081_00372_39003_8532.N1	15-AUG-2009 20:14:56	Straylight	65.500	84	Alp Phe	2.3970	4500.0	131	39003	No
210	GOM_NL__2PRFIN20090815_202229_000000542081_00372_39003_8533.N1	15-AUG-2009 20:22:29	Twilight	53.500	18	24Alp PsA	1.1660	9700.0	107	39003	No
211	GOM_NL__2PRFIN20090815_202810_000000602081_00372_39003_8534.N1	15-AUG-2009 20:28:10	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39003	No
212	GOM_NL__2PRFIN20090815_203139_000000422081_00372_39003_8535.N1	15-AUG-2009 20:31:39	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39003	No
213	GOM_NL__2PRFIN20090815_203343_000000472081_00372_39003_8536.N1	15-AUG-2009 20:33:43	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	39003	No
214	GOM_NL__2PRFIN20090815_203654_000000462081_00372_39003_8537.N1	15-AUG-2009 20:36:54	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	39003	No
215	GOM_NL__2PRFIN20090815_205901_000000472081_00372_39003_8538.N1	15-AUG-2009 20:59:01	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39003	No
216	GOM_NL__2PRFIN20090815_211133_000000622081_00372_39003_8539.N1	15-AUG-2009 21:11:33	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39003	No
217	GOM_NL__2PRFIN20090815_211426_000000412081_00372_39003_8540.N1	15-AUG-2009 21:14:26	Bright	40.500	107	37The Aur	2.6490	11000.	81	39003	No
218	GOM_NL__2PRFIN20090815_211953_000000472081_00372_39003_8541.N1	15-AUG-2009 21:19:53	Twilight	47.000	176	23Zet Tau	3.0200	22000.	94	39003	No
219	GOM_NL__2PRFIN20090815_212349_000000492081_00372_39003_8542.N1	15-AUG-2009 21:23:49	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	39003	No

220	GOM_NL__2PRFIN20090815_212700_000000502081_00372_39003_8543.N1	15-AUG-2009 21:27:00	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	39003	No
221	GOM_NL__2PRFIN20090815_212825_000000462081_00372_39003_8544.N1	15-AUG-2009 21:28:25	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	39003	No
222	GOM_NL__2PRFIN20090815_212959_000000532081_00372_39003_8545.N1	15-AUG-2009 21:29:59	Dark	52.500	7	19Bet Ori	0.10000	14000.	105	39003	No
223	GOM_NL__2PRFIN20090815_213152_000000462081_00372_39003_8546.N1	15-AUG-2009 21:31:52	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	39003	No
224	GOM_NL__2PRFIN20090815_214541_000000502081_00373_39004_8549.N1	15-AUG-2009 21:45:41	Dark	50.000	157	The1Eri	2.9060	9300.0	100	39004	No
225	GOM_NL__2PRFIN20090815_215533_000000512081_00373_39004_8550.N1	15-AUG-2009 21:55:33	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39004	No
226	GOM_NL__2PRFIN20090815_220305_000000522081_00373_39004_8551.N1	15-AUG-2009 22:03:05	Twilight_and_stray	52.000	18	24Alp PsA	1.1660	9700.0	104	39004	No
227	GOM_NL__2PRFIN20090815_220846_000000602081_00373_39004_8552.N1	15-AUG-2009 22:08:46	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39004	No
228	GOM_NL__2PRFIN20090815_221215_000000422081_00373_39004_8553.N1	15-AUG-2009 22:12:15	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39004	No
229	GOM_NL__2PRFIN20090815_221418_000000492081_00373_39004_8554.N1	15-AUG-2009 22:14:18	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	39004	No
230	GOM_NL__2PRFIN20090815_221730_000000472081_00373_39004_8555.N1	15-AUG-2009 22:17:30	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	39004	No
231	GOM_NL__2PRFIN20090815_223936_000000442081_00373_39004_8556.N1	15-AUG-2009 22:39:36	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39004	No
232	GOM_NL__2PRFIN20090815_225208_000000502081_00373_39004_8557.N1	15-AUG-2009 22:52:08	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	39004	No
233	GOM_NL__2PRFIN20090815_225502_000000422081_00373_39004_8558.N1	15-AUG-2009 22:55:02	Bright	41.500	107	37The Aur	2.6490	11000.	83	39004	No
234	GOM_NL__2PRFIN20090815_225645_000000572081_00373_39004_8559.N1	15-AUG-2009 22:56:45	Twilight_and_stray	57.000	114	3Iot Aur	2.6930	4600.0	114	39004	No
235	GOM_NL__2PRFIN20090815_230029_000000462081_00373_39004_8560.N1	15-AUG-2009 23:00:29	Twilight_and_stray	46.000	176	23Zet Tau	3.0200	22000.	92	39004	No
236	GOM_NL__2PRFIN20090815_230426_000000592081_00373_39004_8561.N1	15-AUG-2009 23:04:26	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39004	No
237	GOM_NL__2PRFIN20090815_230737_000000502081_00373_39004_8562.N1	15-AUG-2009 23:07:37	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39004	No
238	GOM_NL__2PRFIN20090815_230902_000000442081_00373_39004_8563.N1	15-AUG-2009 23:09:02	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	39004	No
239	GOM_NL__2PRFIN20090815_231036_000000602081_00373_39004_8564.N1	15-AUG-2009 23:10:36	Dark	60.000	7	19Bet Ori	0.10000	14000.	120	39004	No
240	GOM_NL__2PRFIN20090815_231228_000000472081_00373_39004_8565.N1	15-AUG-2009 23:12:28	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39004	No
241	GOM_NL__2PRFIN20090815_232618_000000532081_00374_39005_8569.N1	15-AUG-2009 23:26:18	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39005	No
242	GOM_NL__2PRFIN20090815_233609_000000522081_00374_39005_8570.N1	15-AUG-2009 23:36:09	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39005	No
243	GOM_NL__2PRFIN20090815_234342_000000532081_00374_39005_8571.N1	15-AUG-2009 23:43:42	Twilight_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	39005	No
244	GOM_NL__2PRFIN20090815_234922_000000602081_00374_39005_8572.N1	15-AUG-2009 23:49:22	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39005	No
245	GOM_NL__2PRFIN20090815_235251_000000502081_00374_39005_8573.N1	15-AUG-2009 23:52:51	Bright	50.000	154	22Bet Aqr	2.8990	5700.0	100	39005	No
246	GOM_NL__2PRFIN20090815_235454_000000482081_00374_39005_8574.N1	15-AUG-2009 23:54:54	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	39005	No
247	GOM_NL__2PRFIN20090815_235805_000000472081_00374_39005_8575.N1	15-AUG-2009 23:58:05	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	39005	No

3. Quality information per product

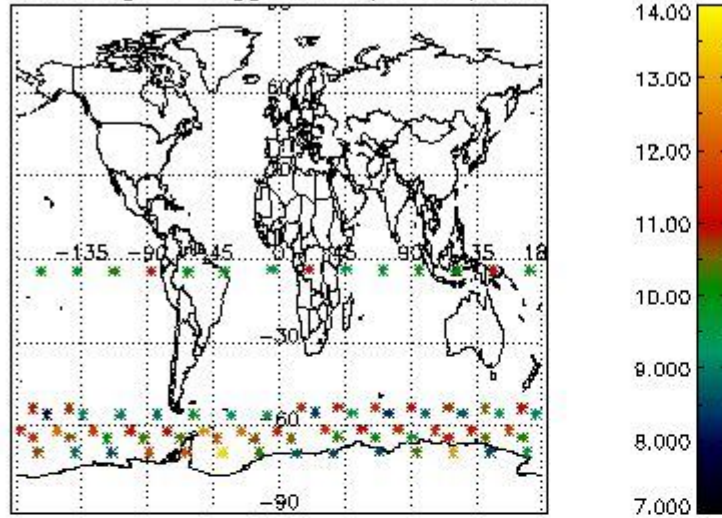
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

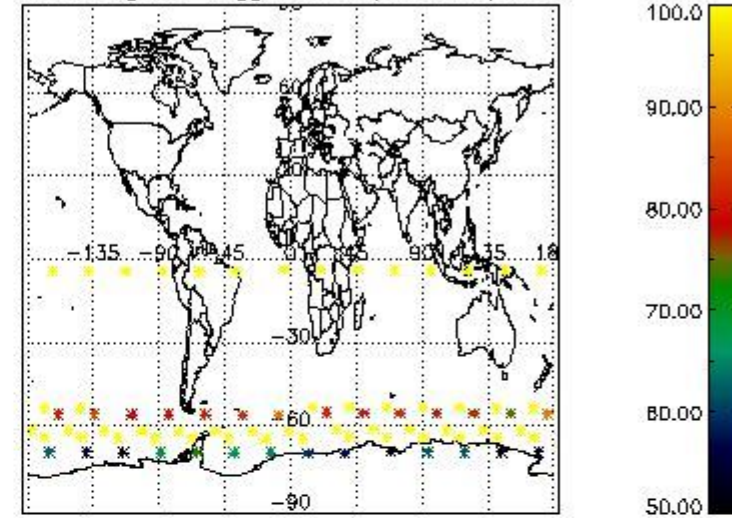


3.2 Plot quality information per product (world map)

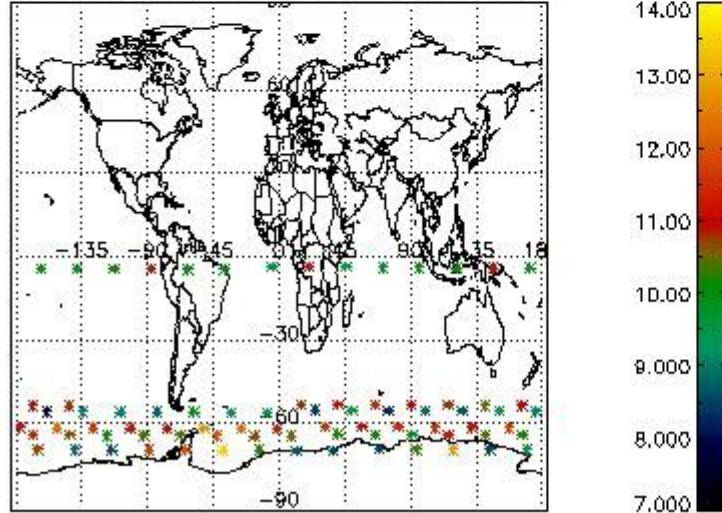
Percentage of flagged data per O3 profile



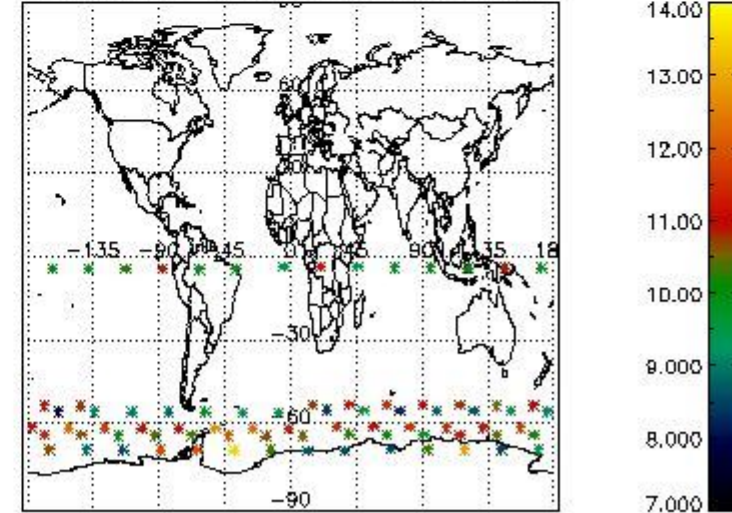
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

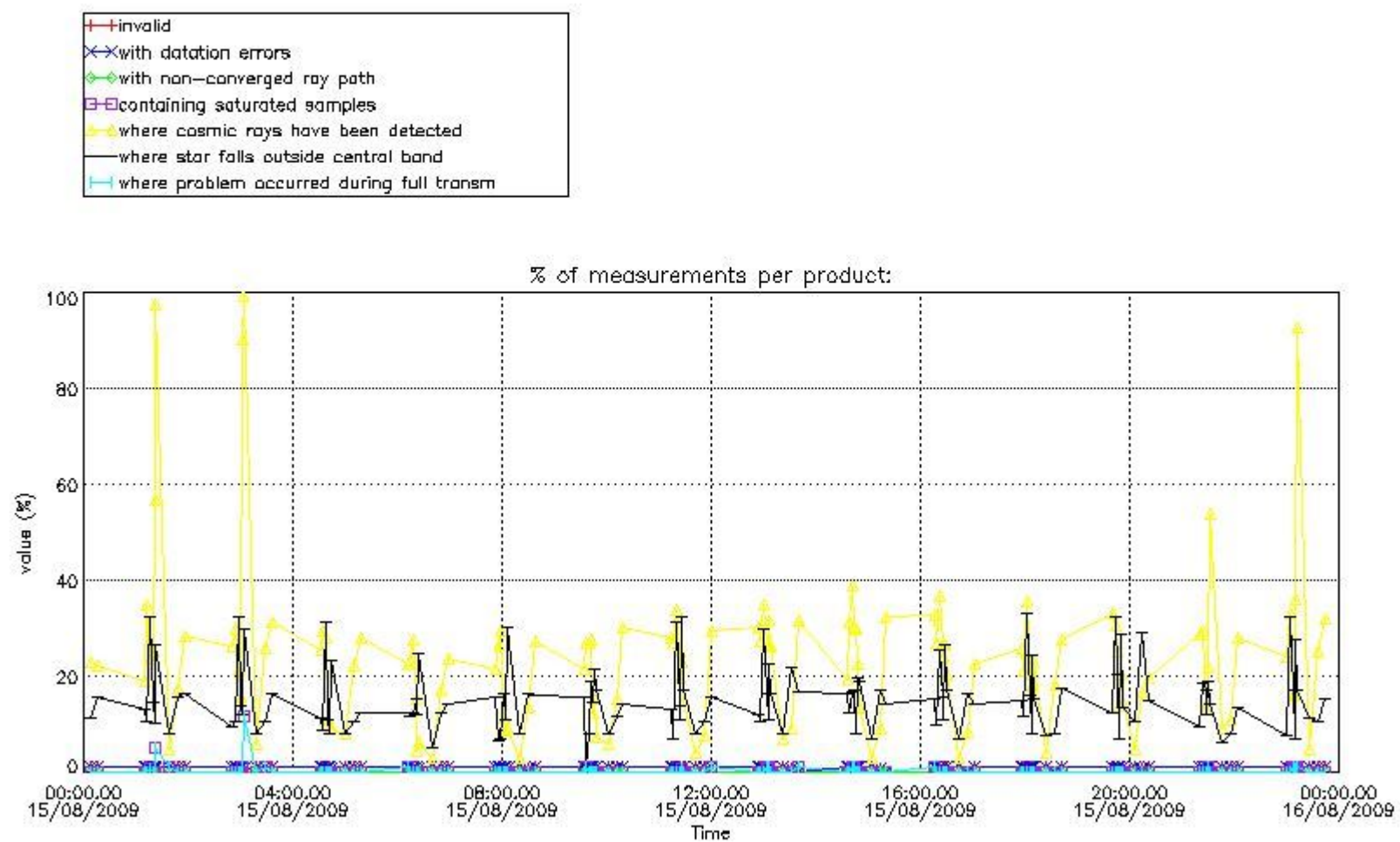


4. Level 1 quality information per product

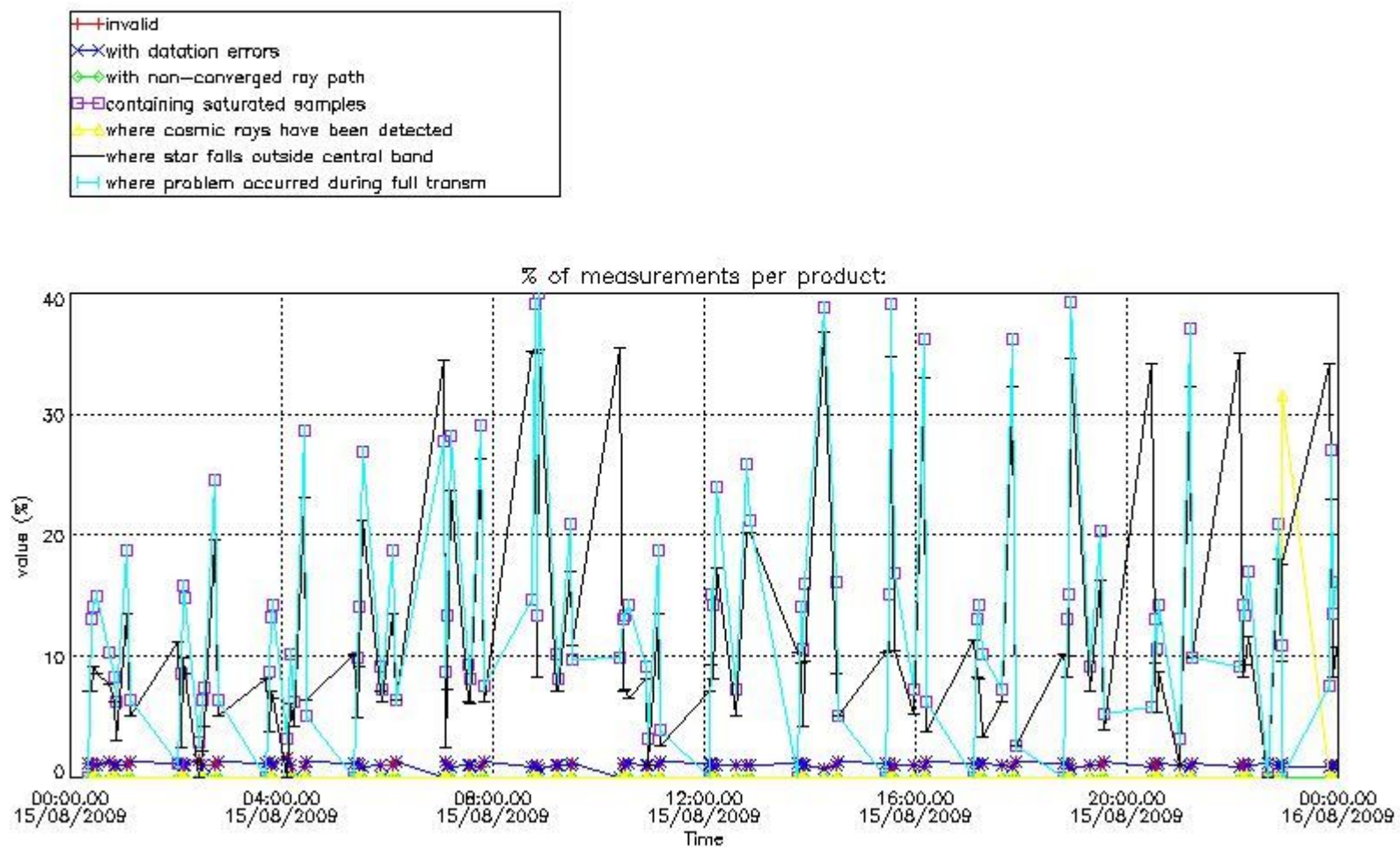
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



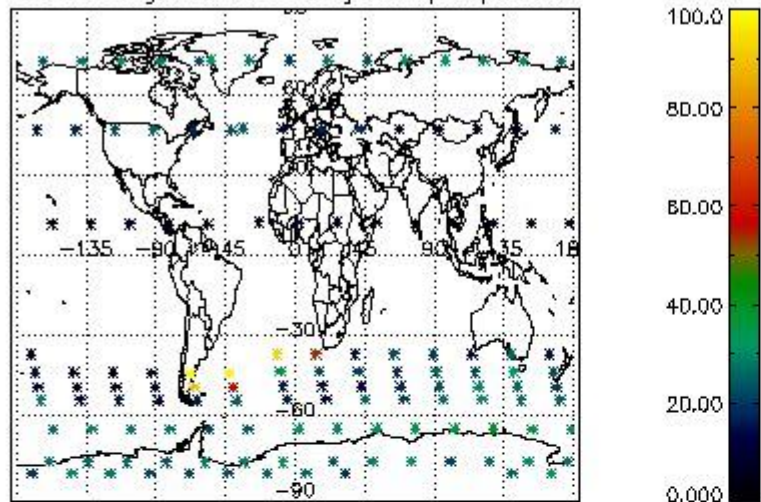
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



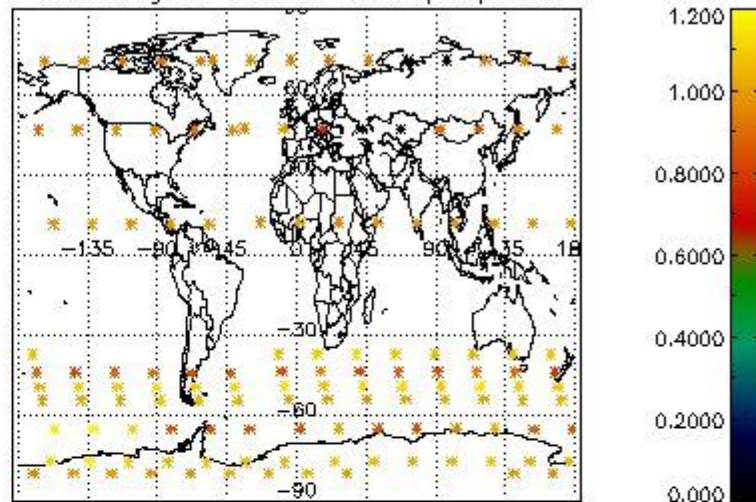
4.2 Plot quality information per product coming from level 1b processing (world map)

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

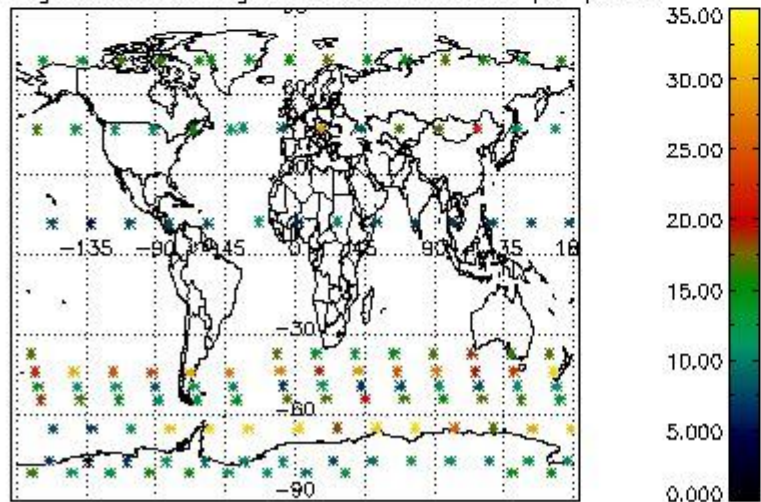
Percentage of cosmic ray hits per profile



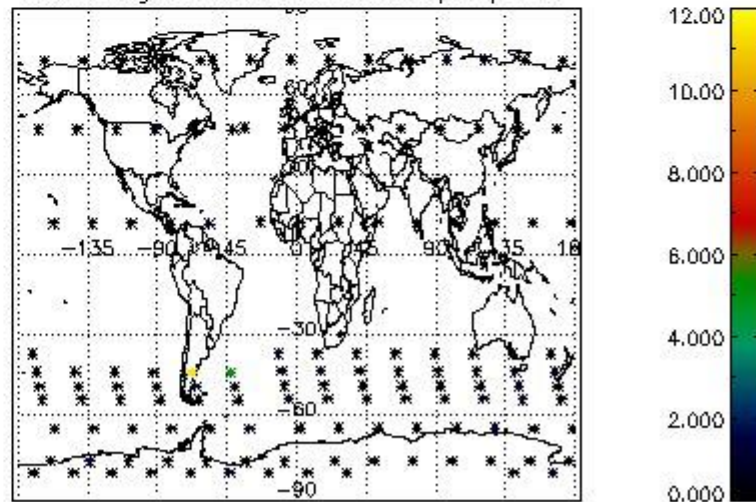
Percentage of datation errors per profile



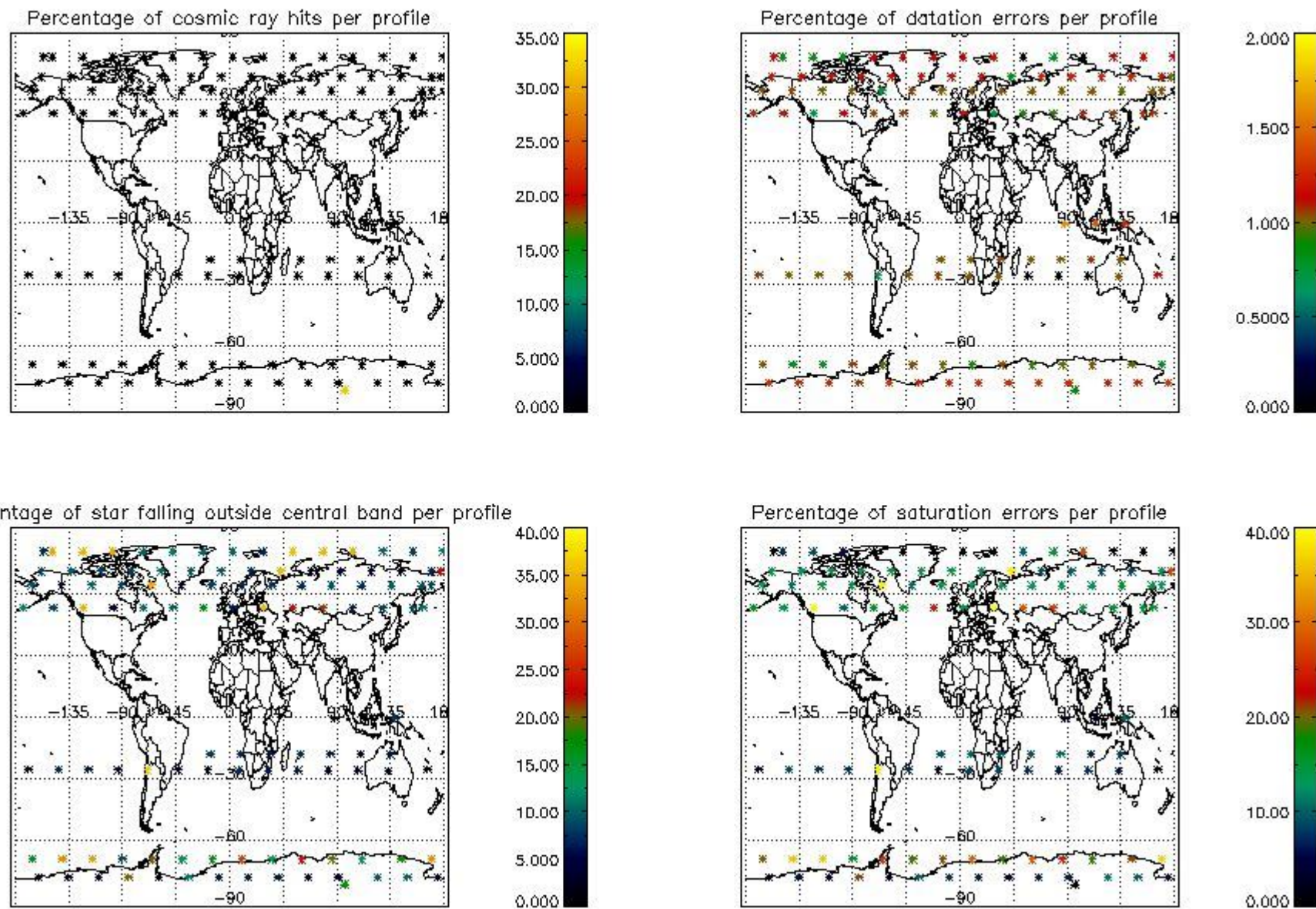
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

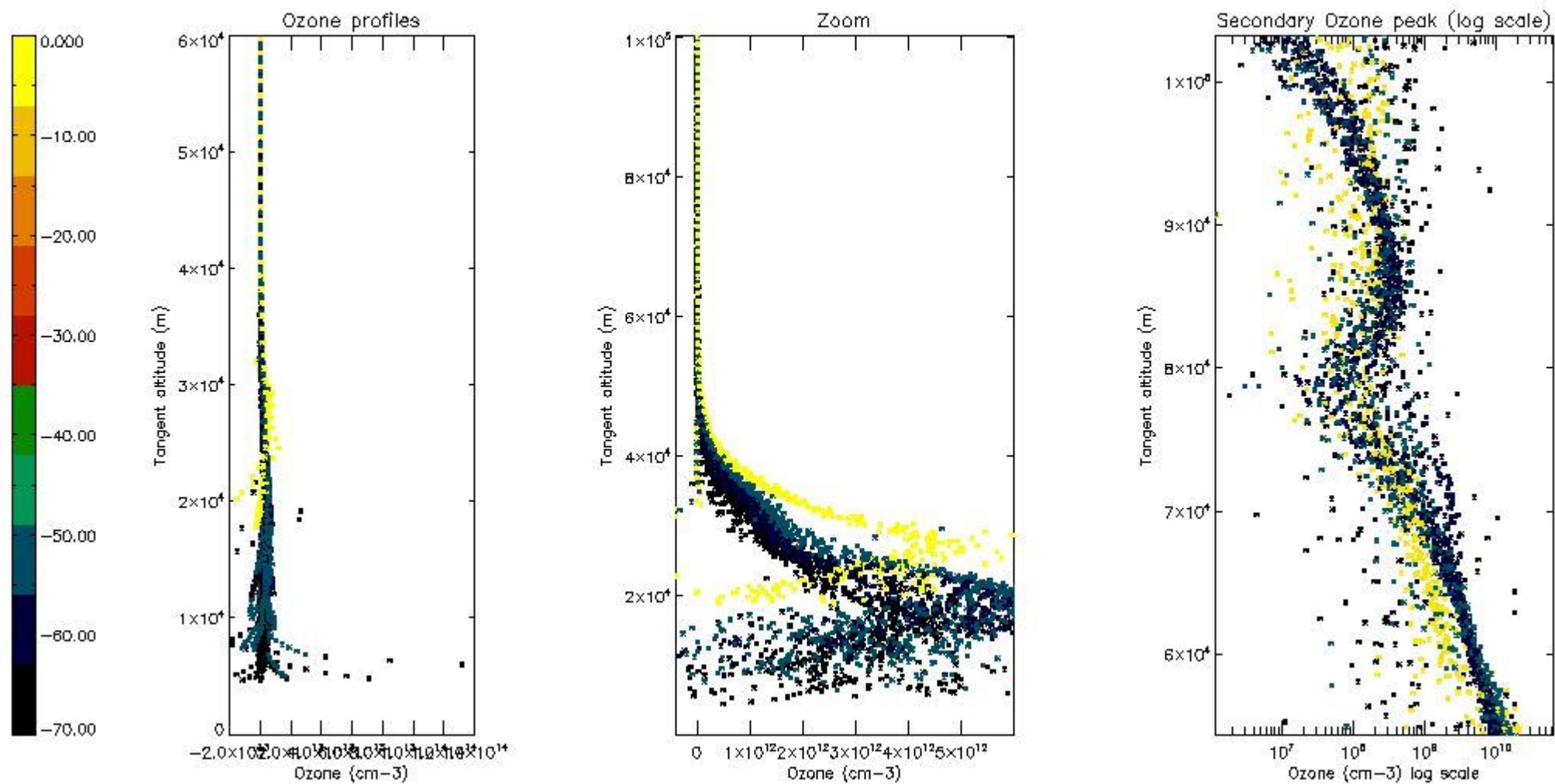
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	18

STD < 10	14
STD < 5	9

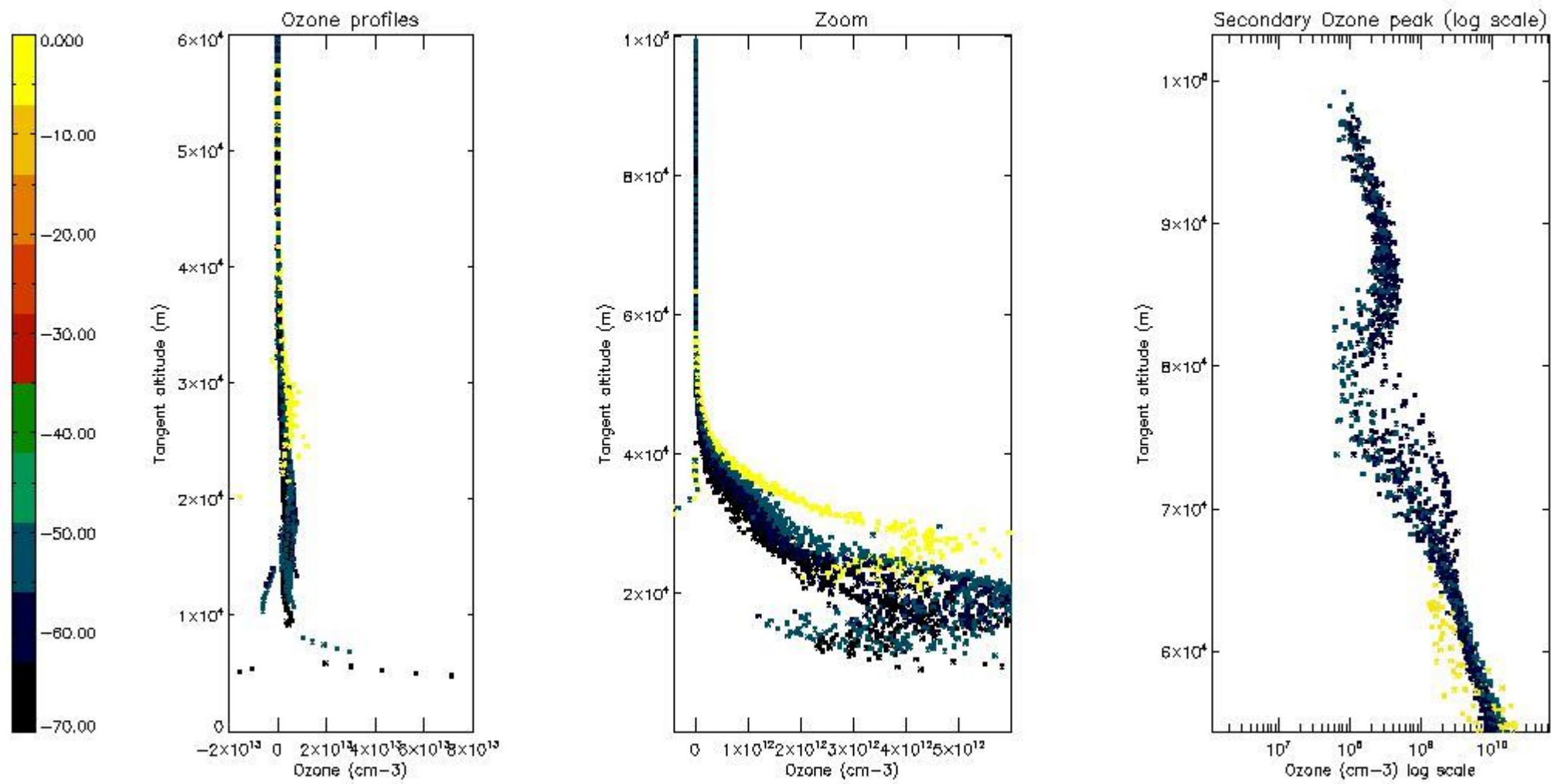
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



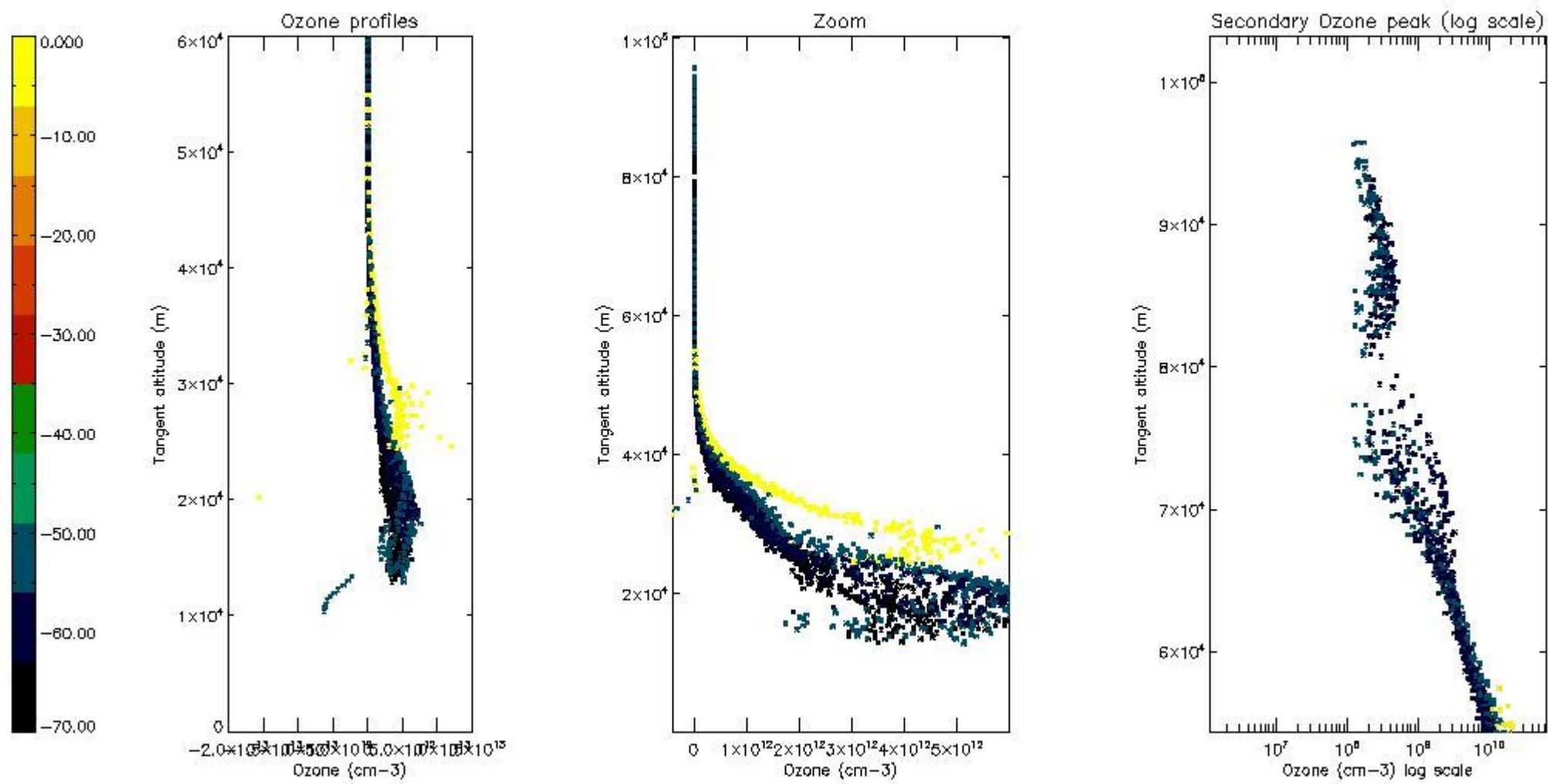
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



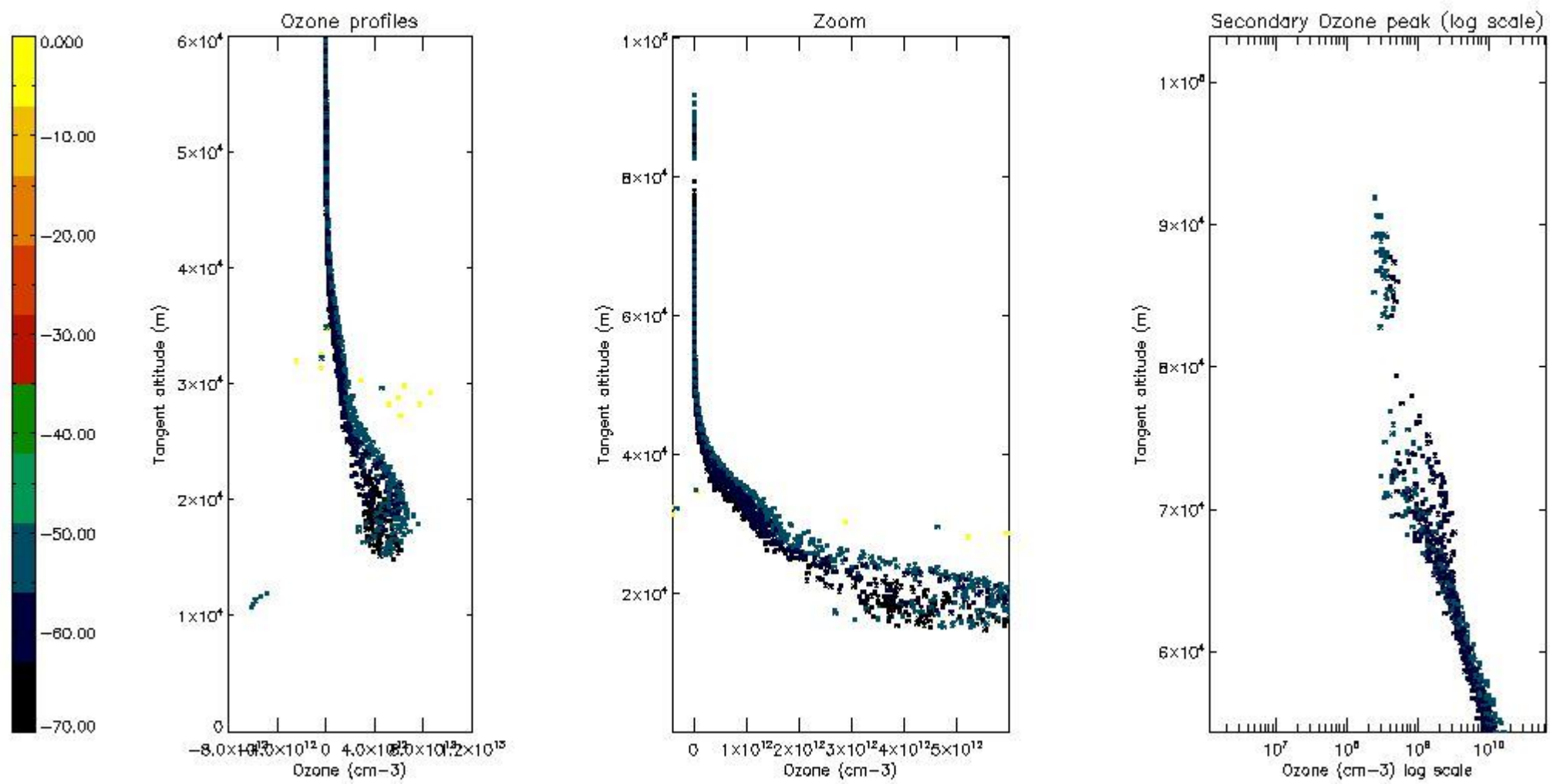
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



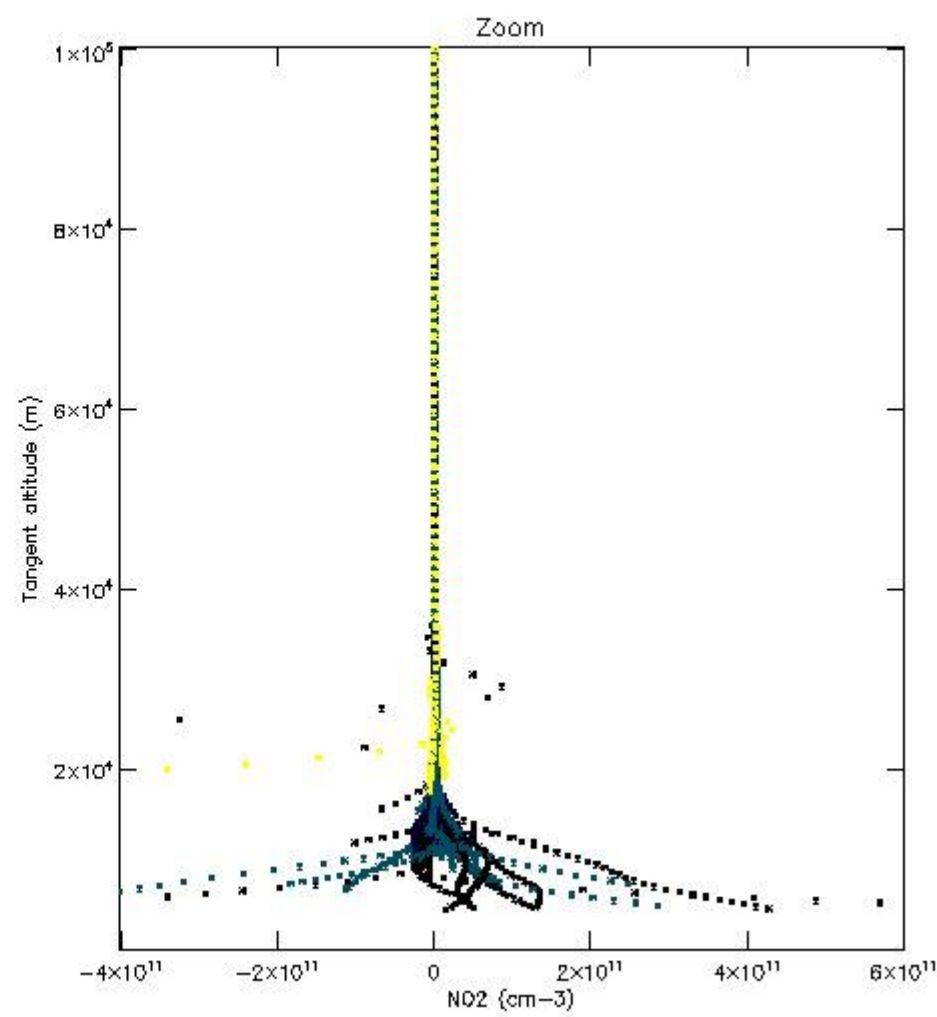
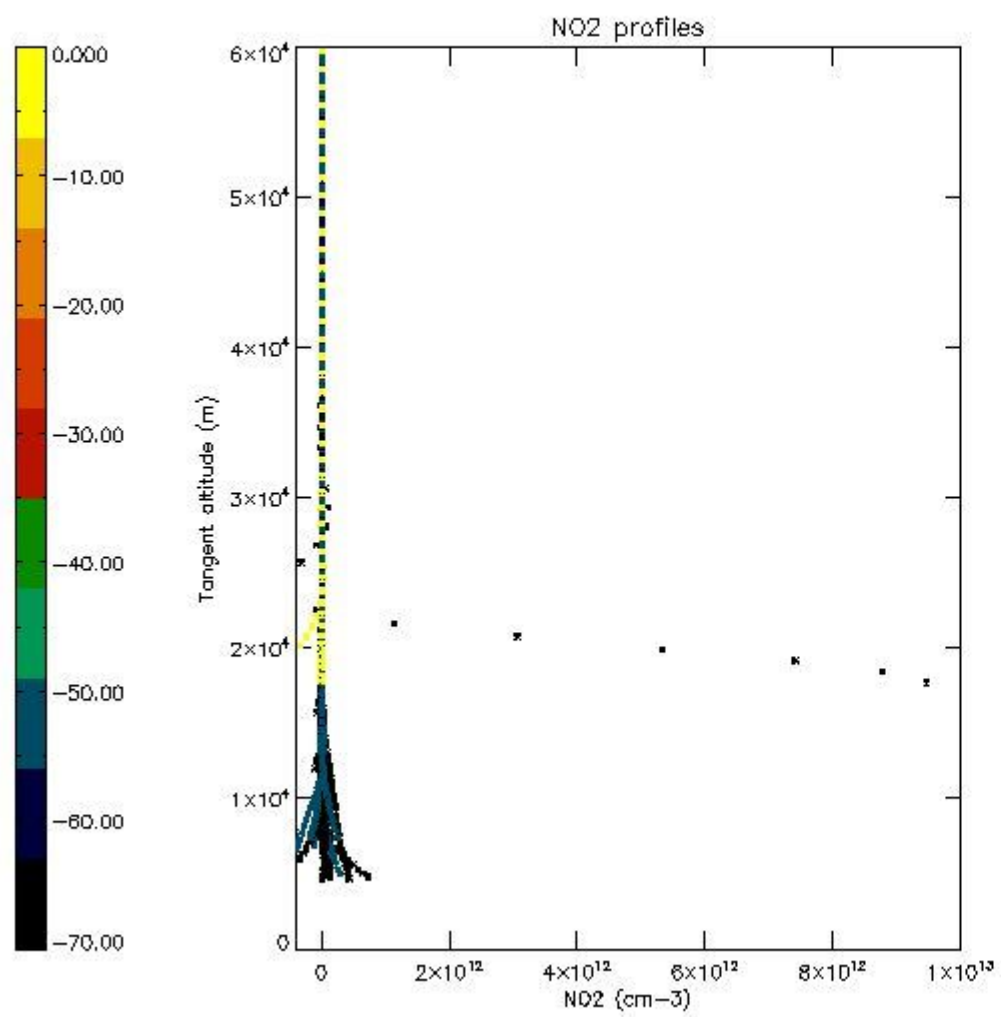
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



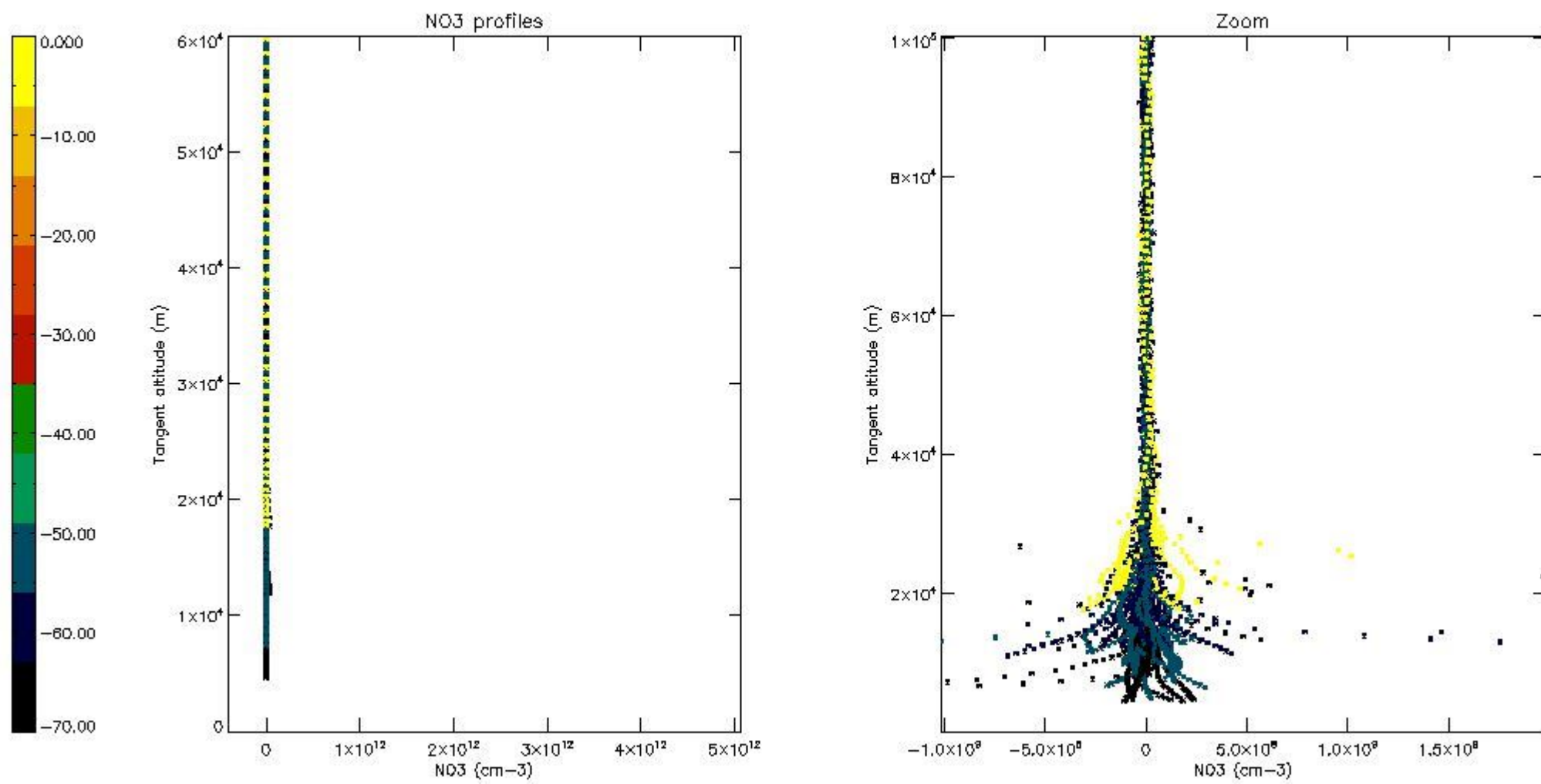
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



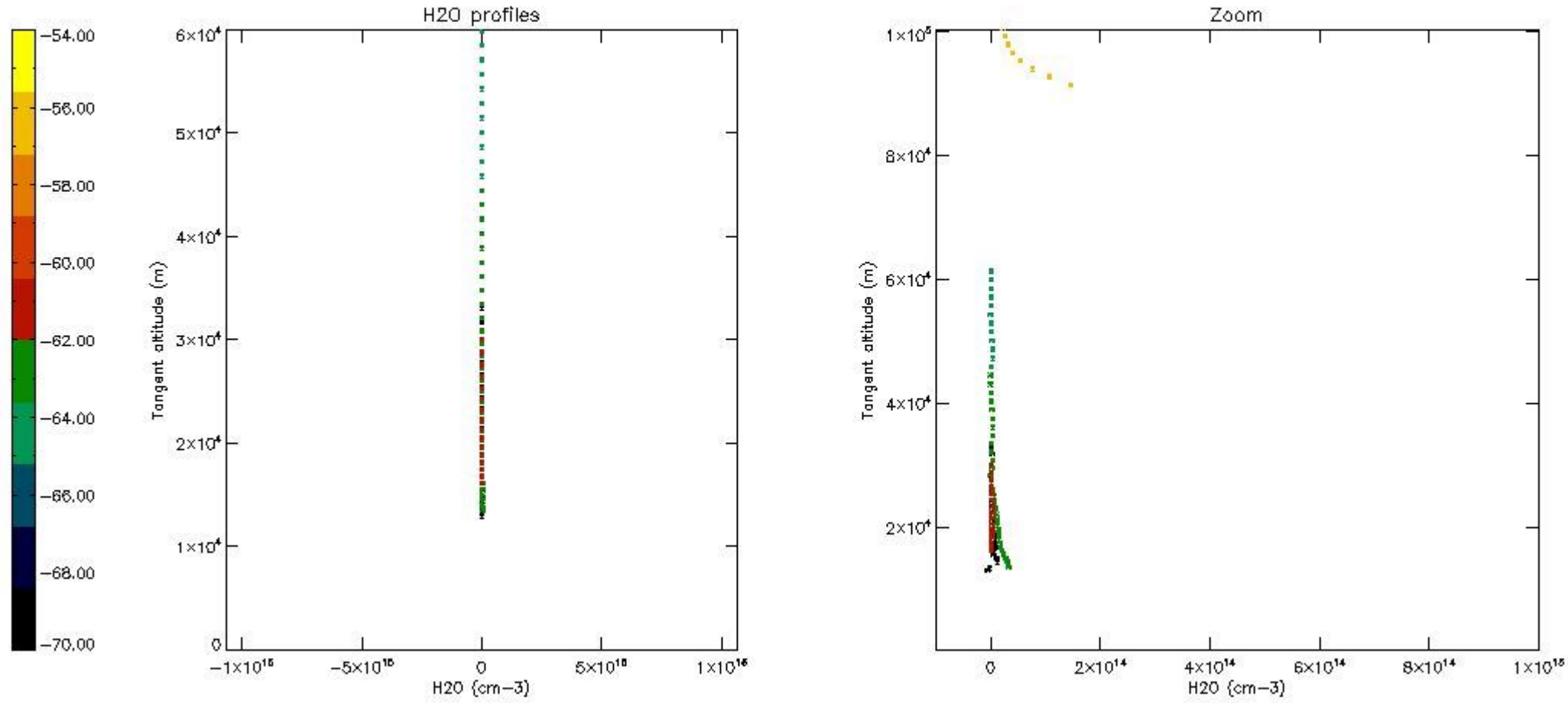
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

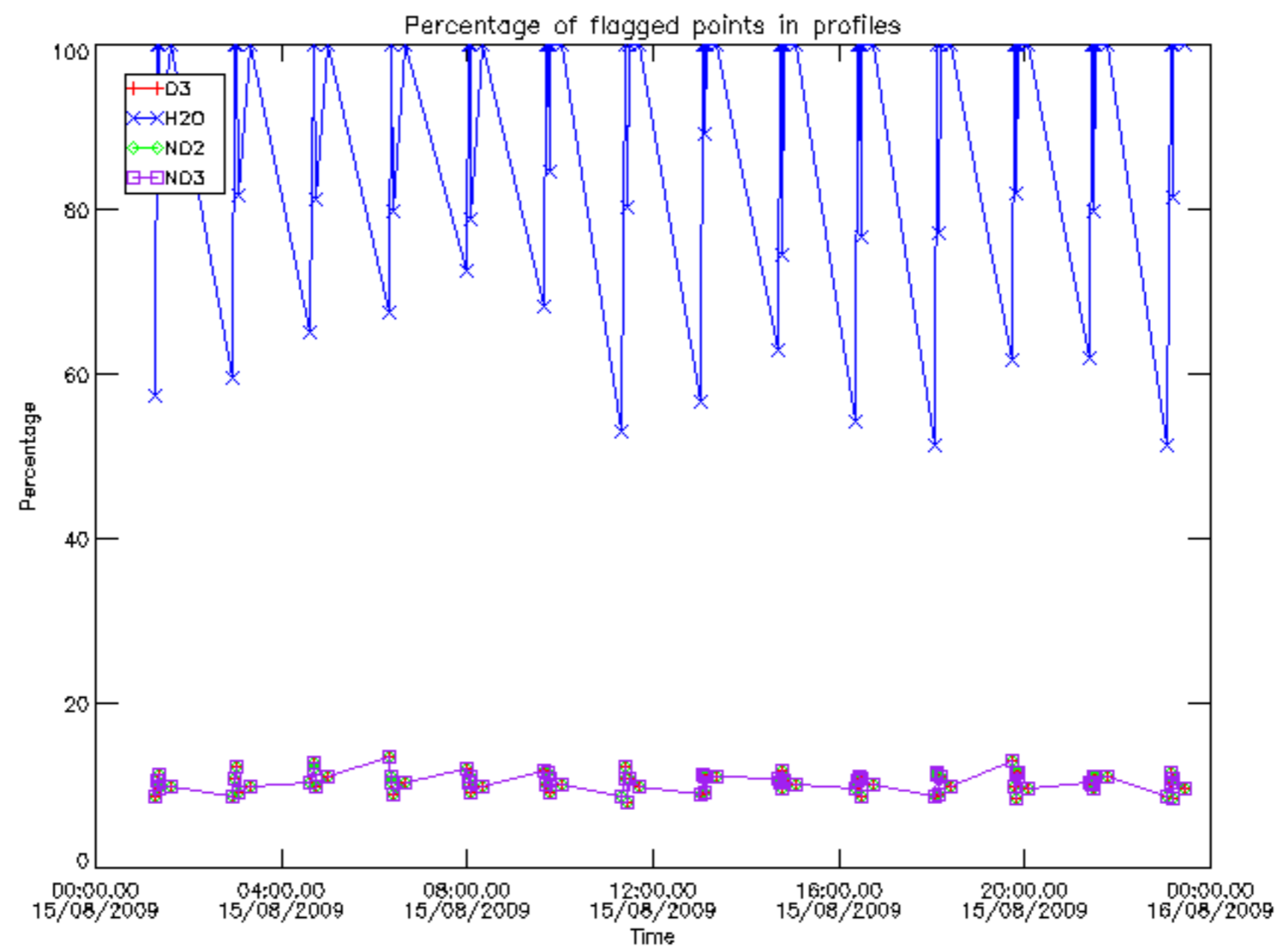
The colorbar represents the latitude.



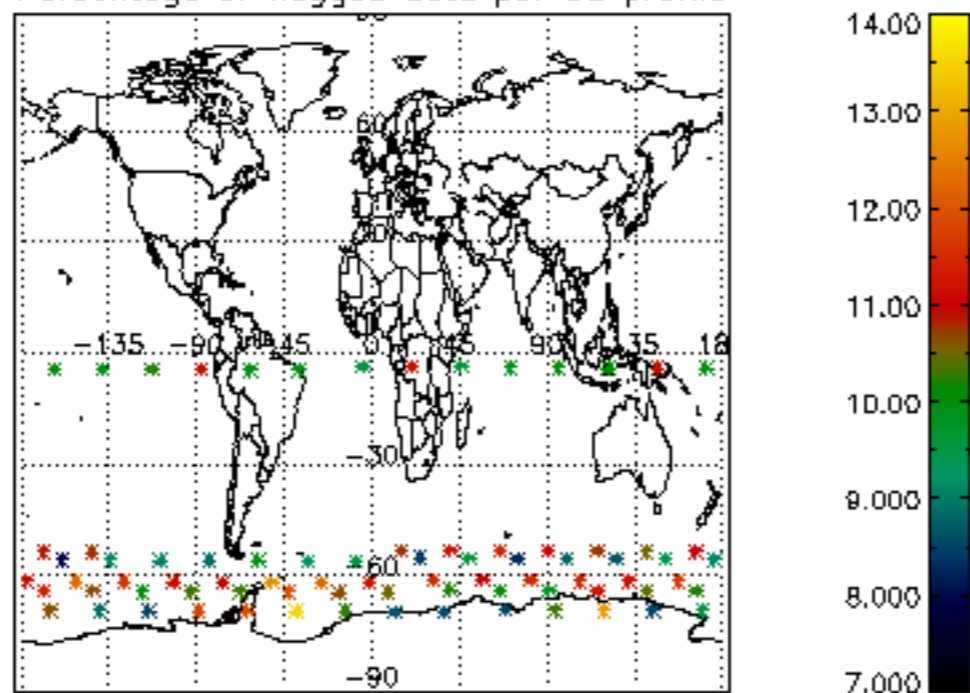
6. Auxiliary Data Files used for the production reported in section 2

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.

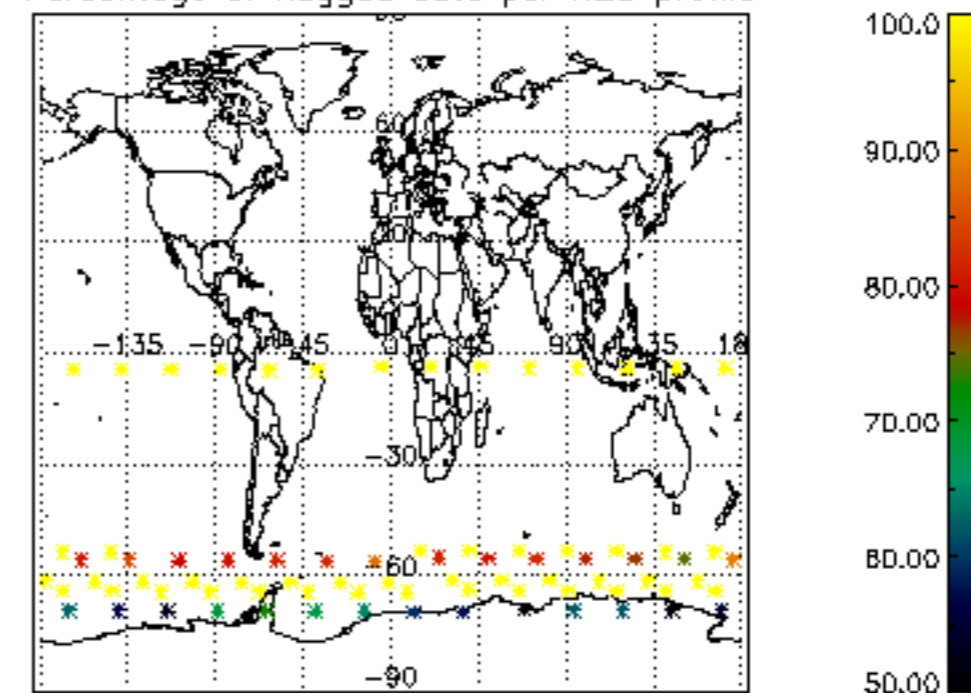
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-AUG-2009 00:07:34
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2009 00:07:34
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2009 00:07:34



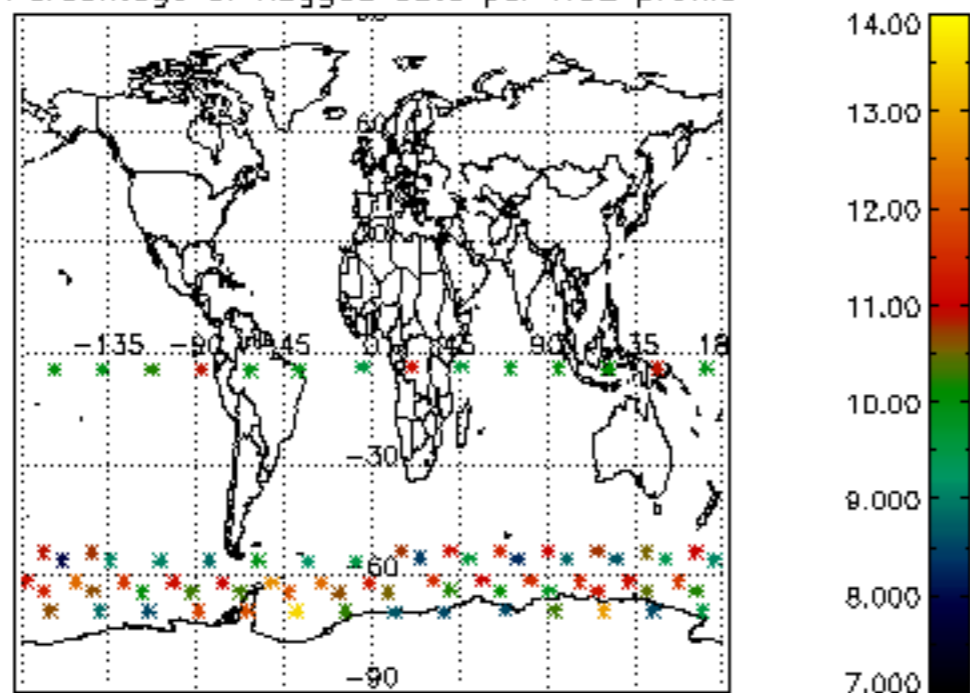
Percentage of flagged data per D3 profile



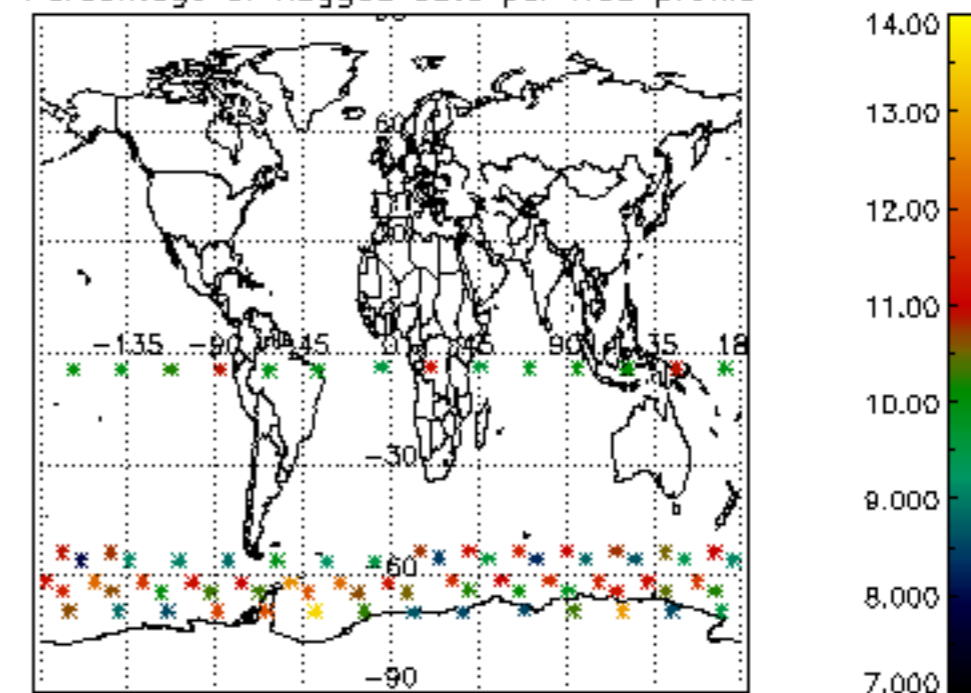
Percentage of flagged data per H2O profile

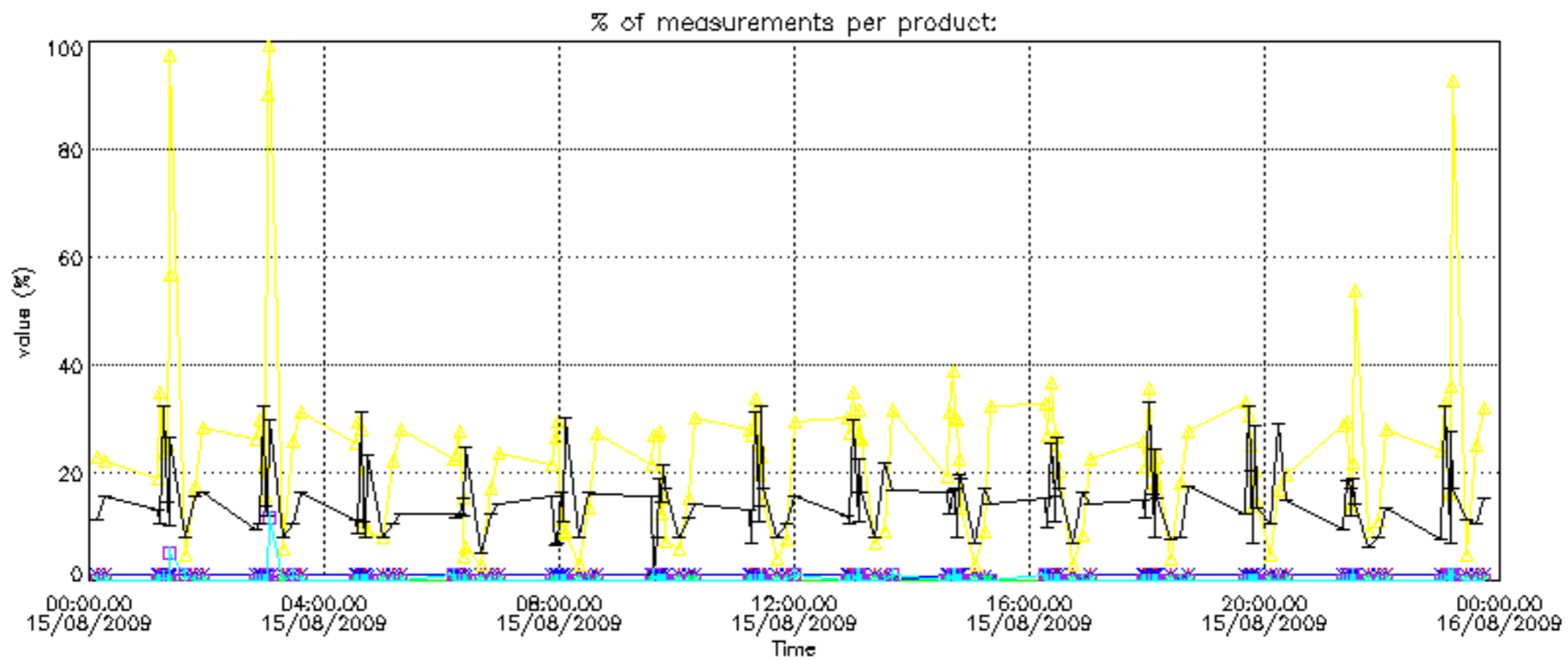
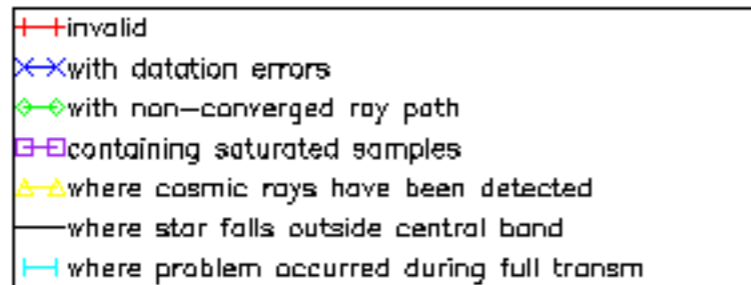


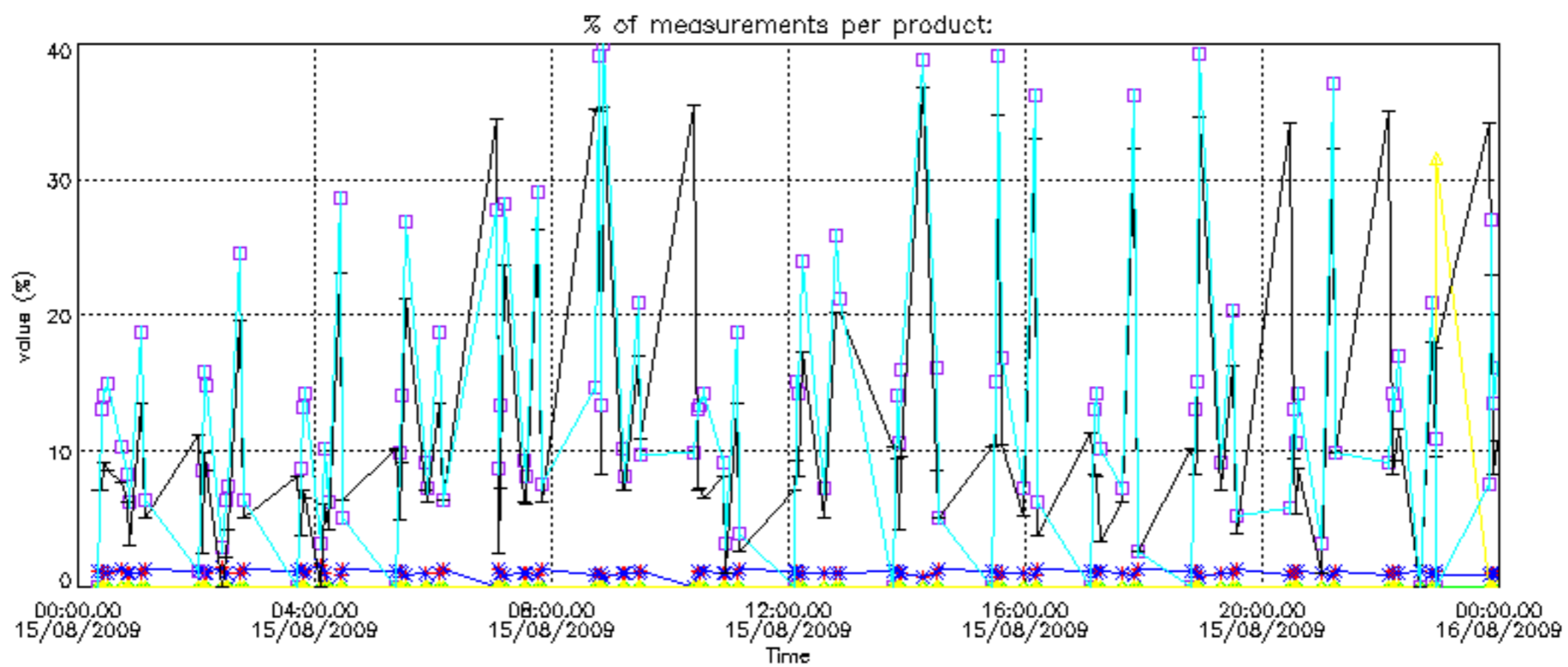
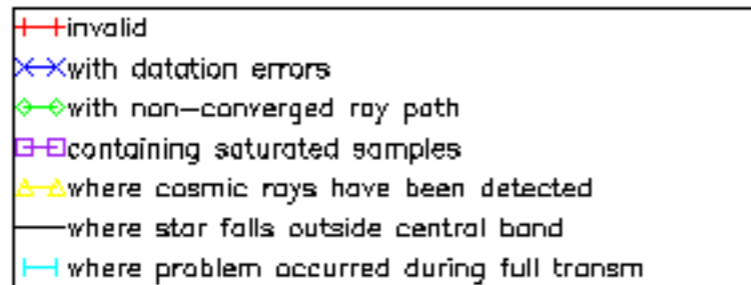
Percentage of flagged data per NO2 profile



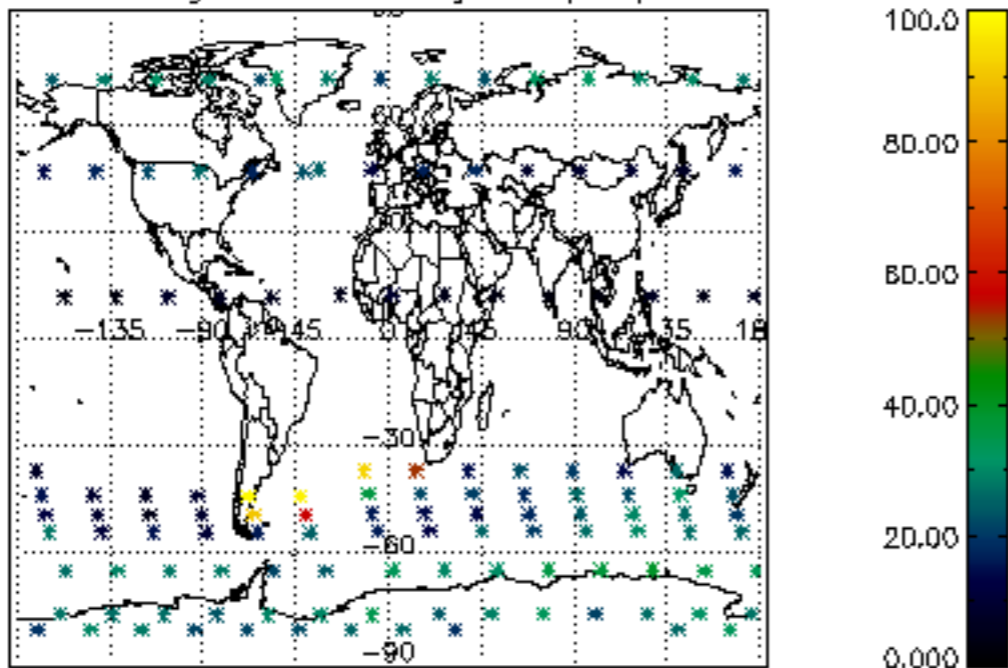
Percentage of flagged data per NO3 profile



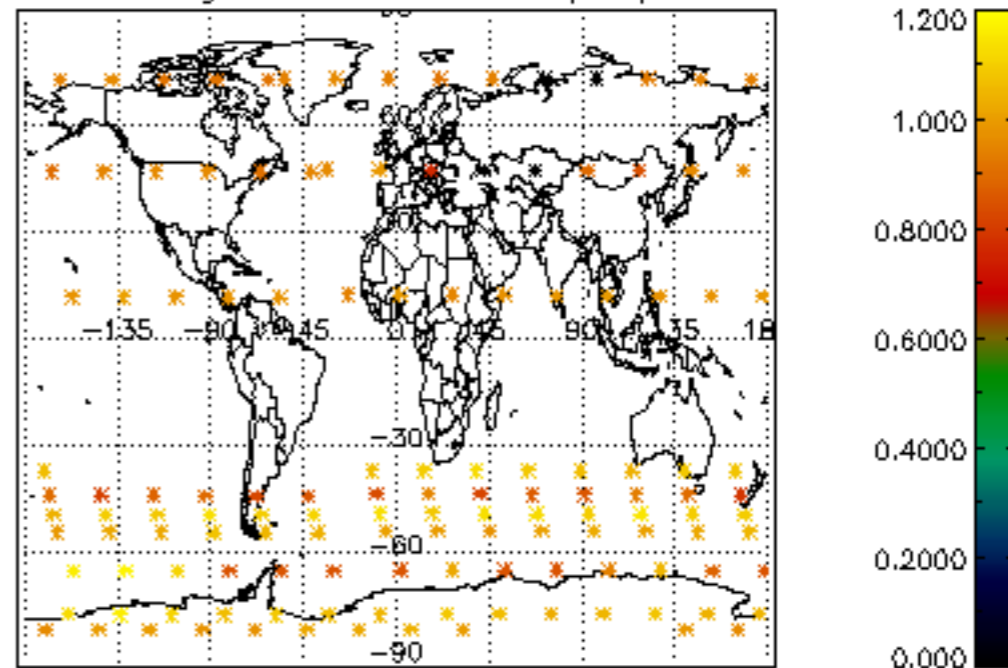




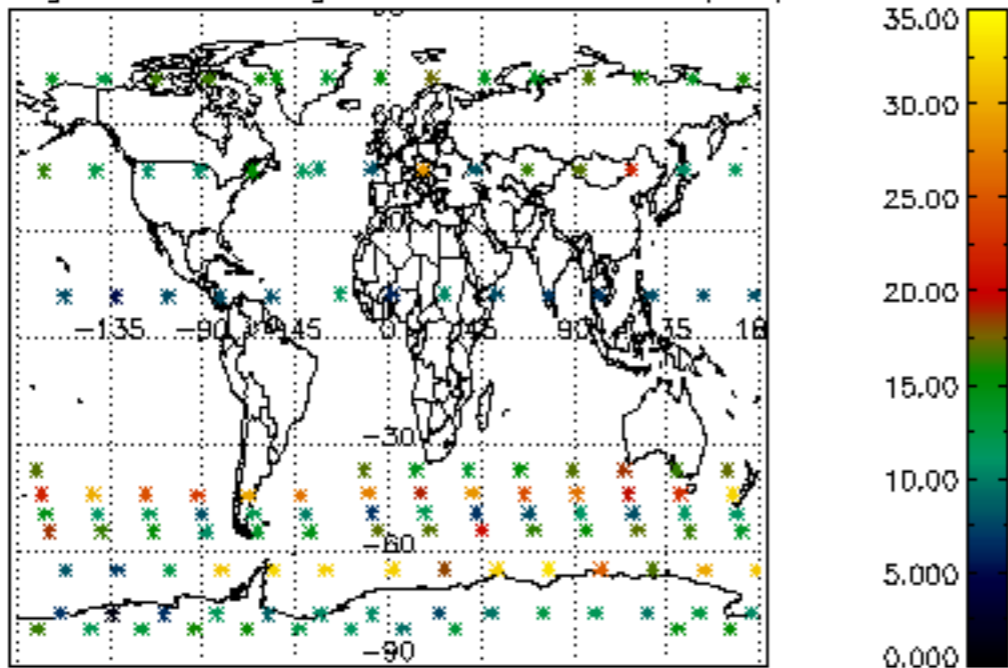
Percentage of cosmic ray hits per profile



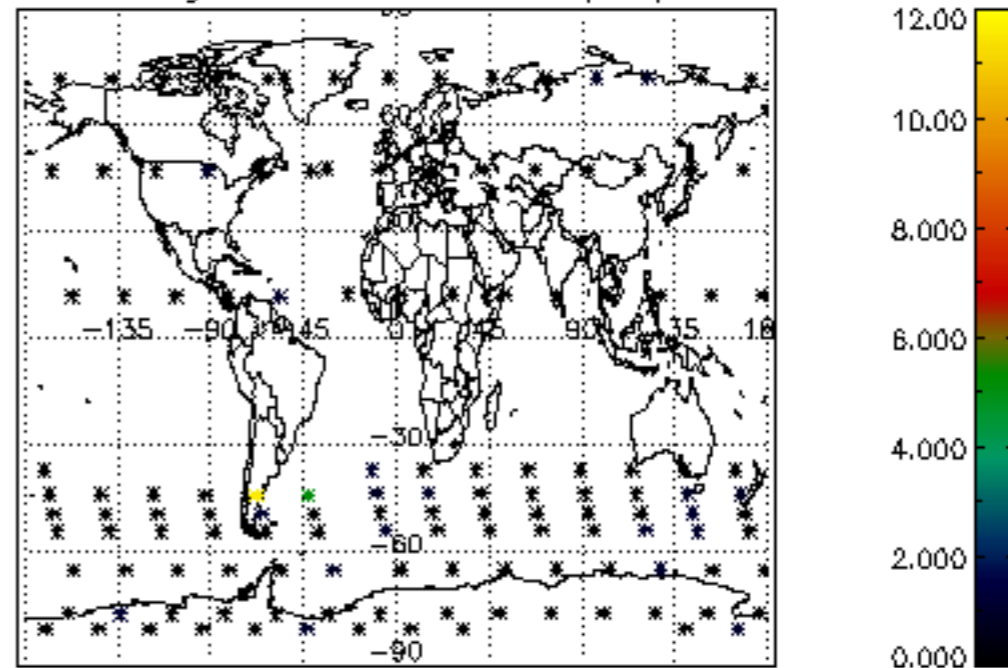
Percentage of datation errors per profile



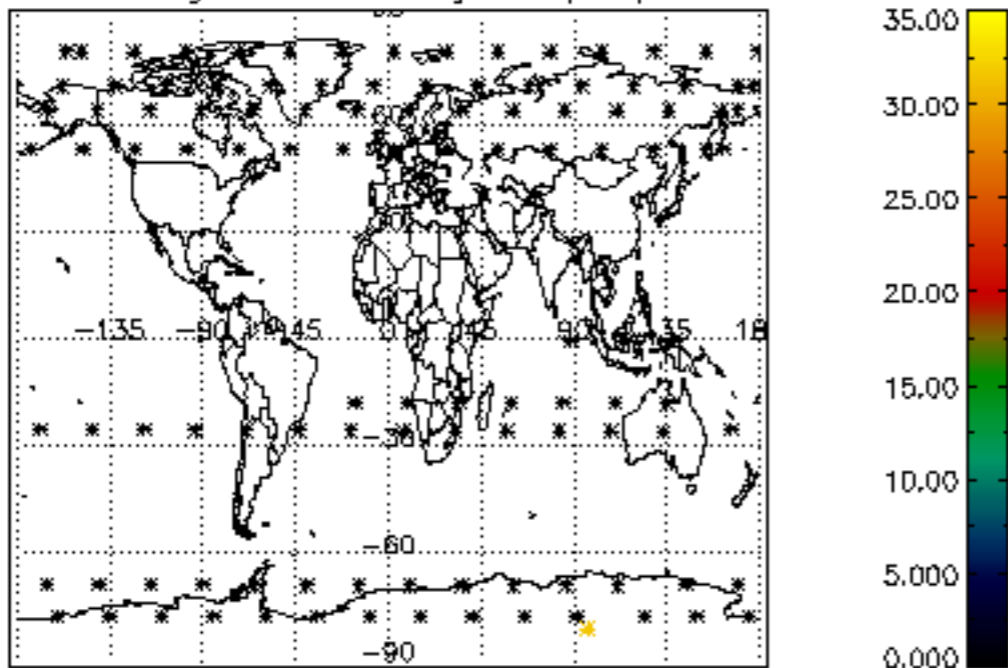
Percentage of star falling outside central band per profile



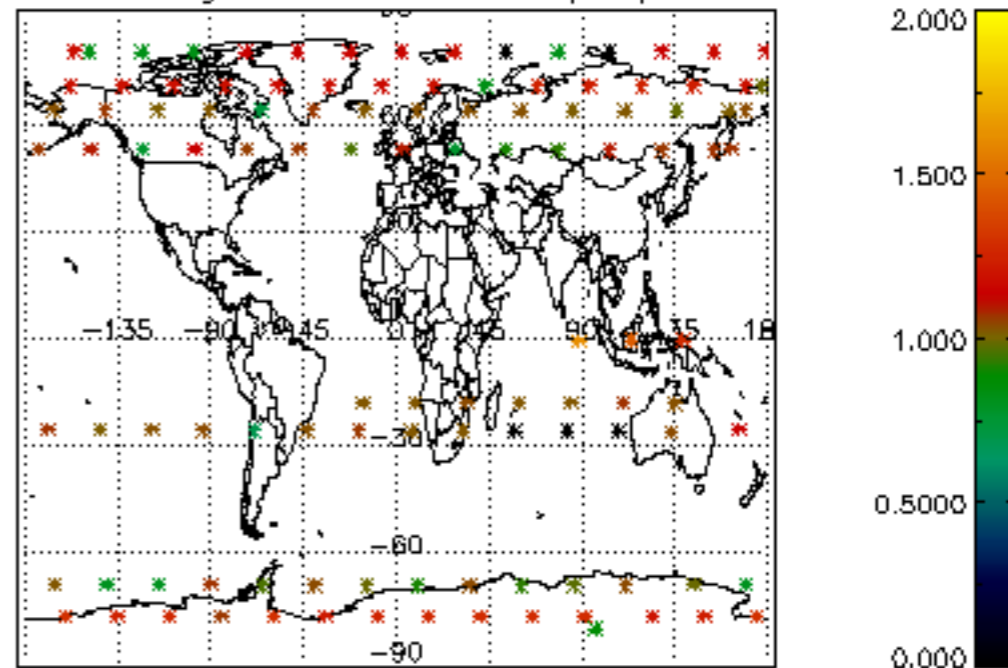
Percentage of saturation errors per profile



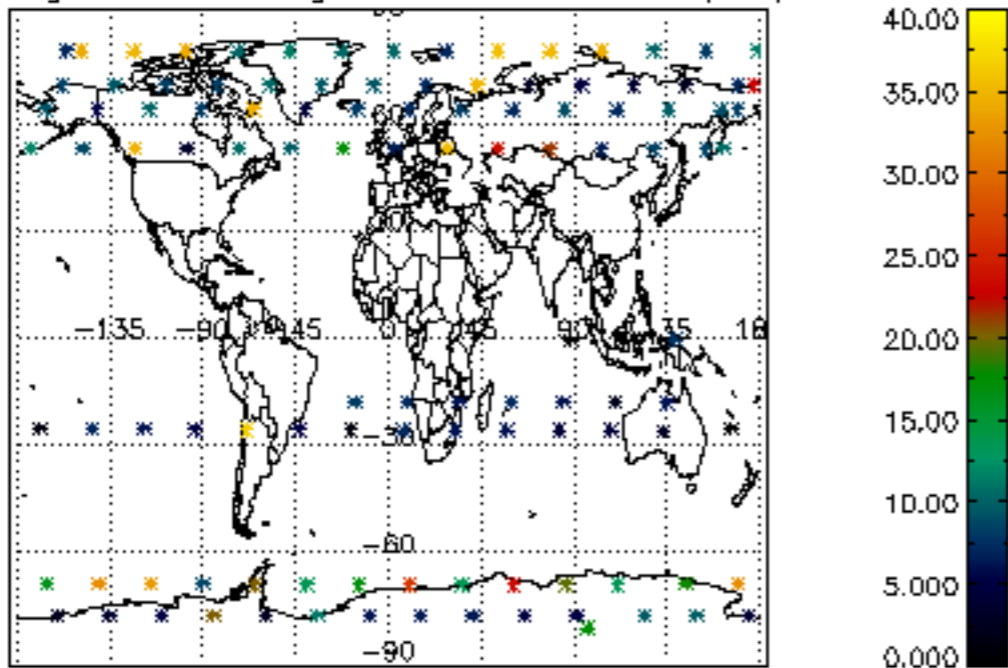
Percentage of cosmic ray hits per profile



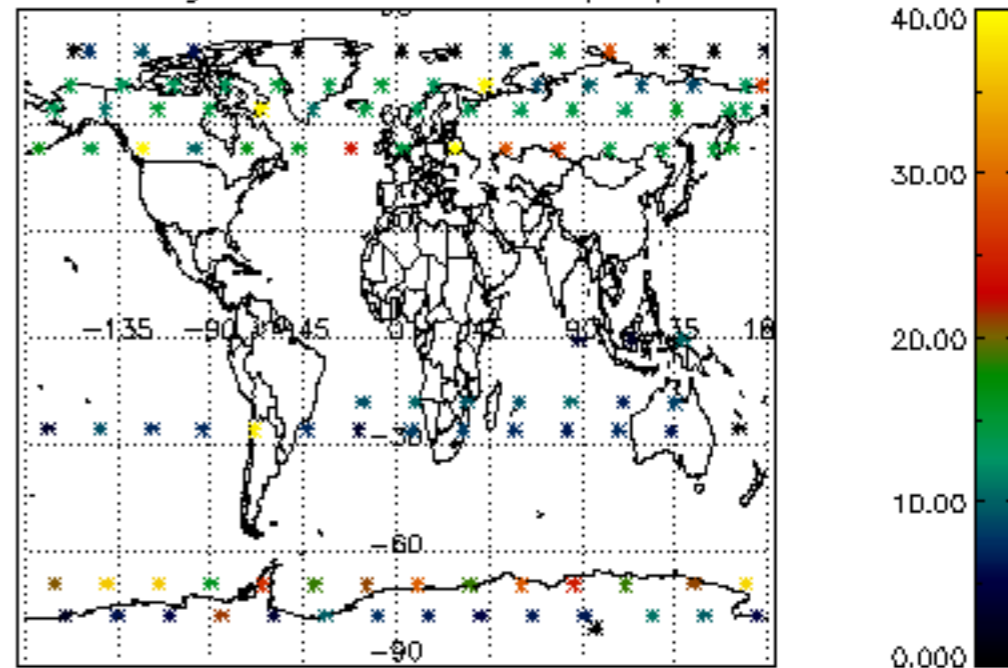
Percentage of datation errors per profile

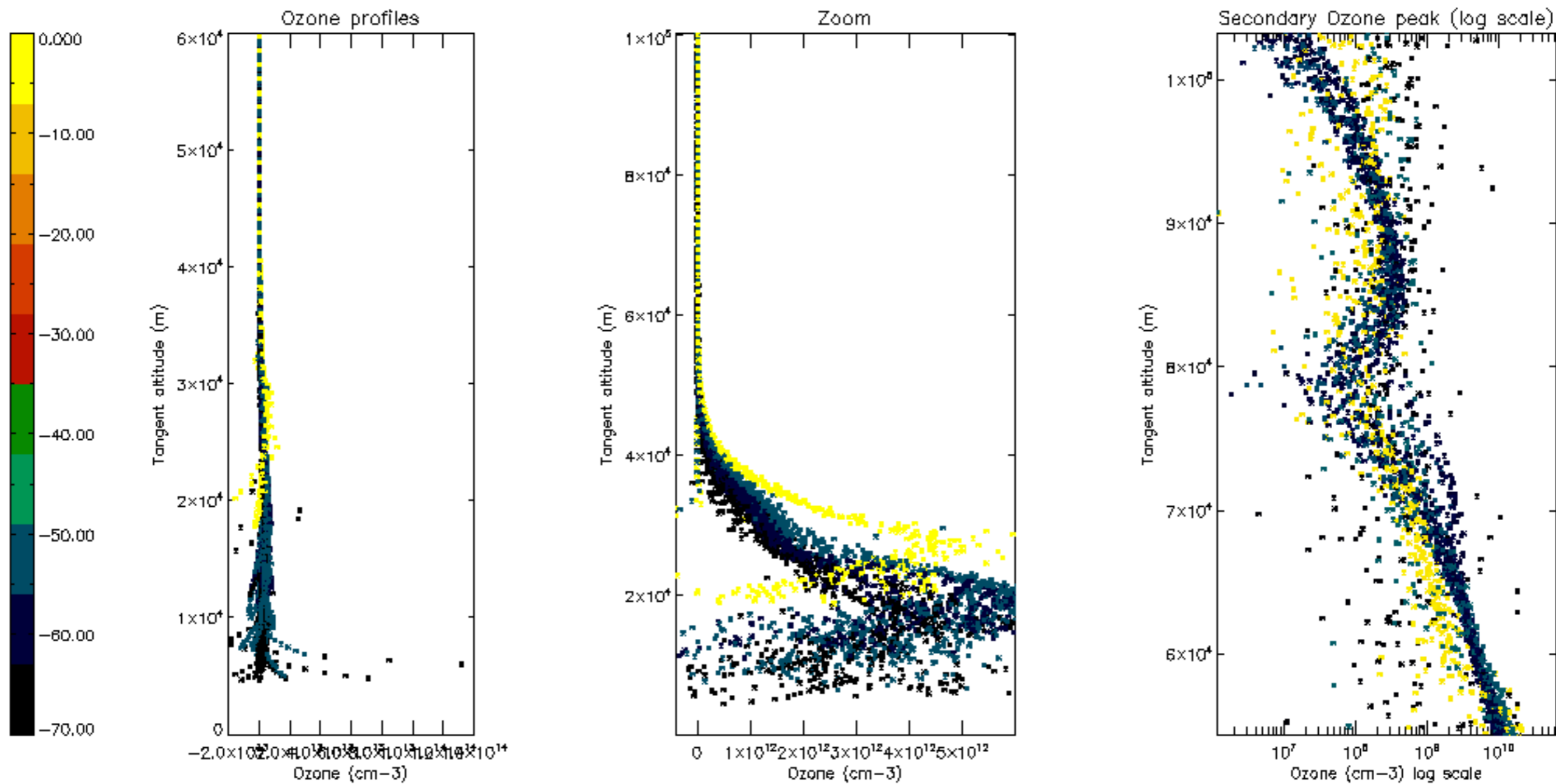


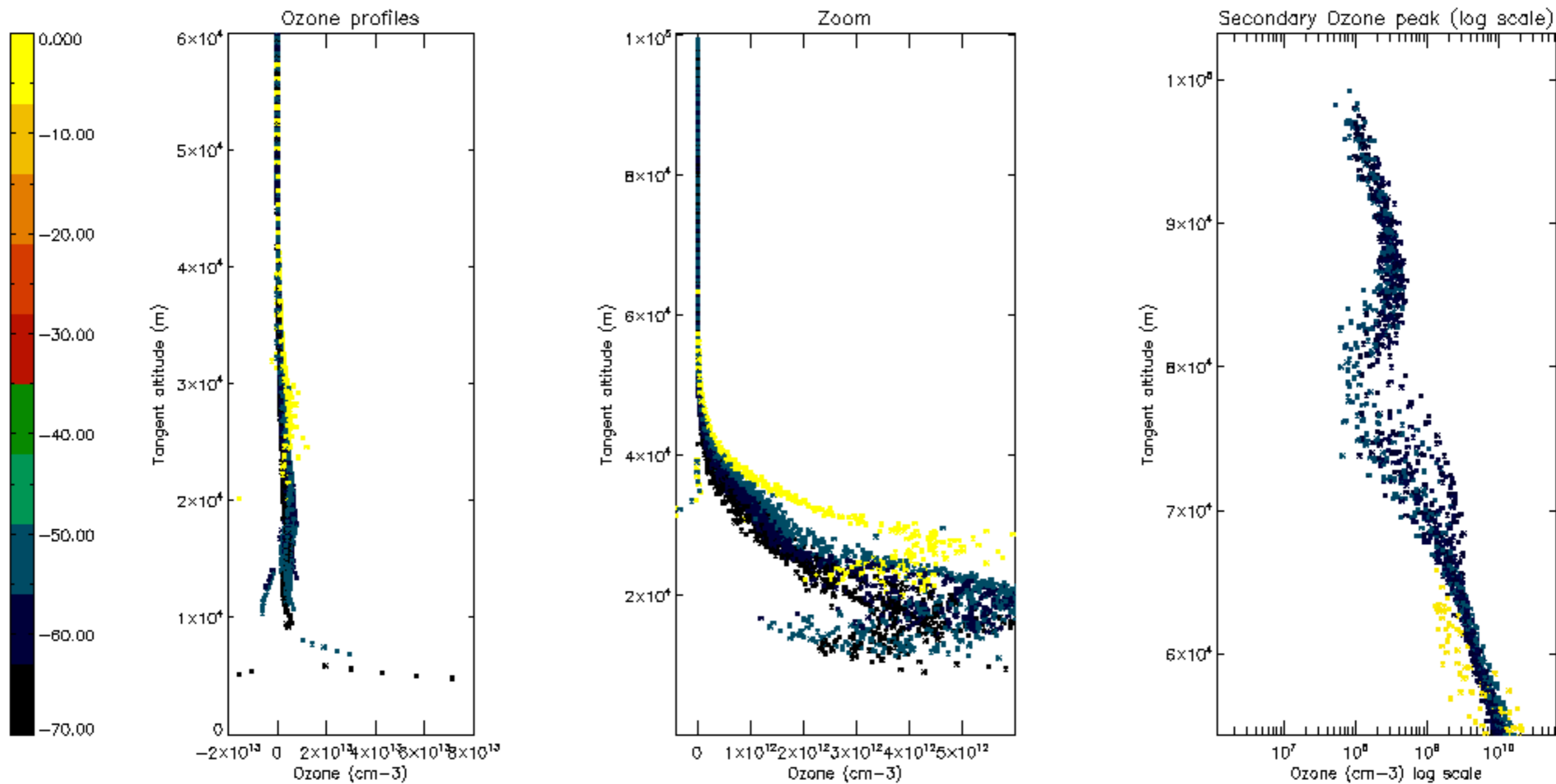
Percentage of star falling outside central band per profile

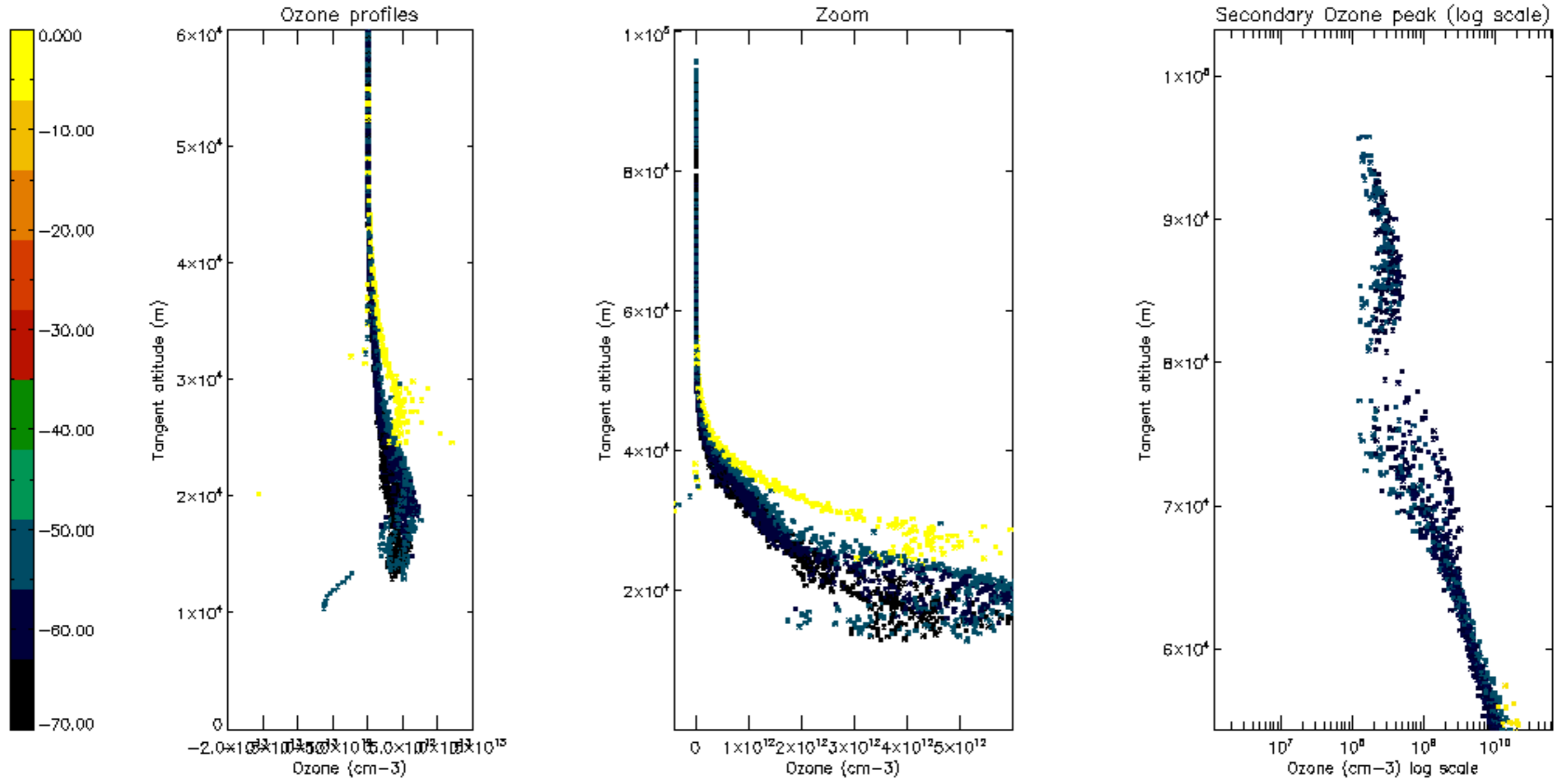


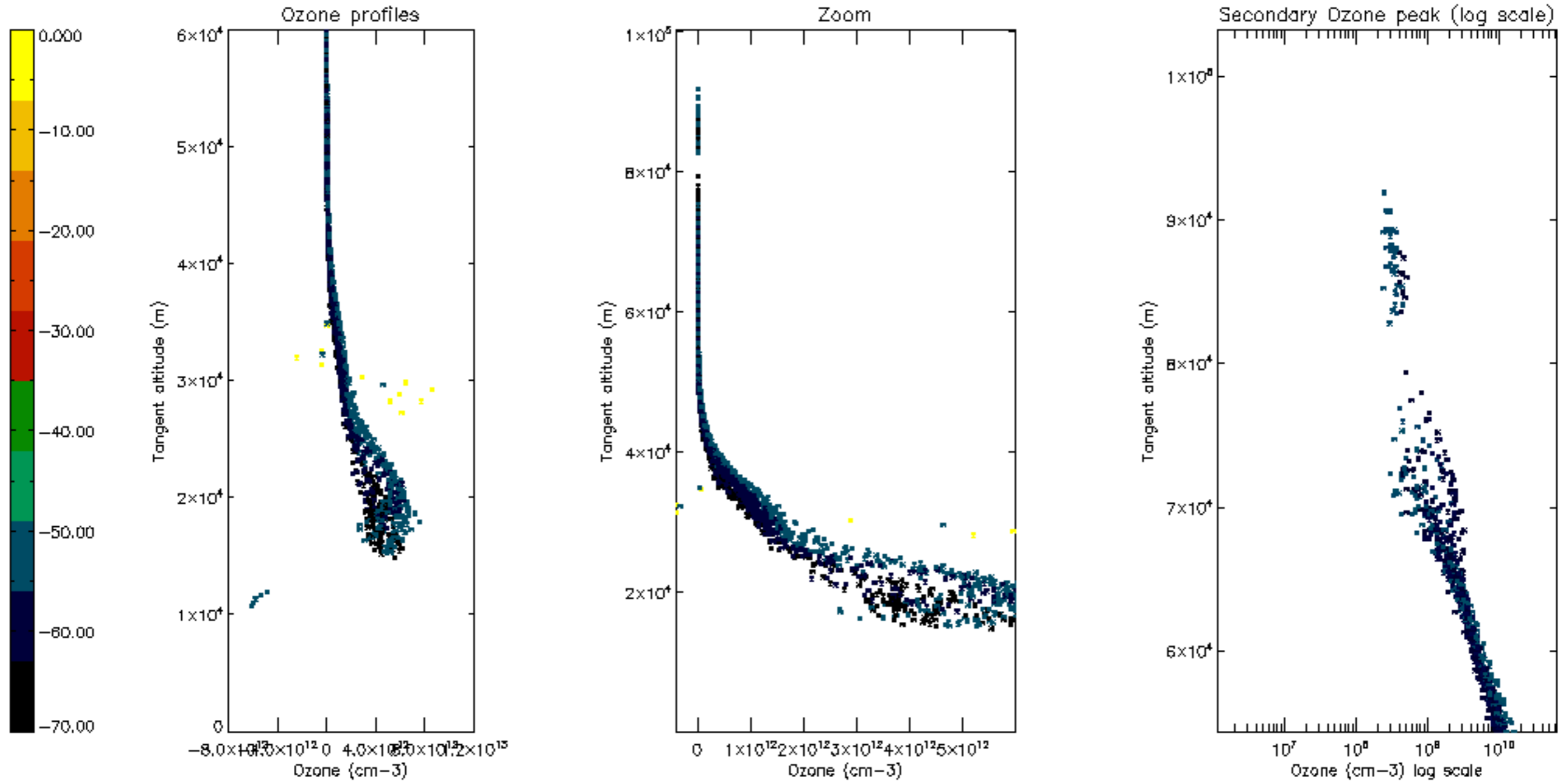
Percentage of saturation errors per profile

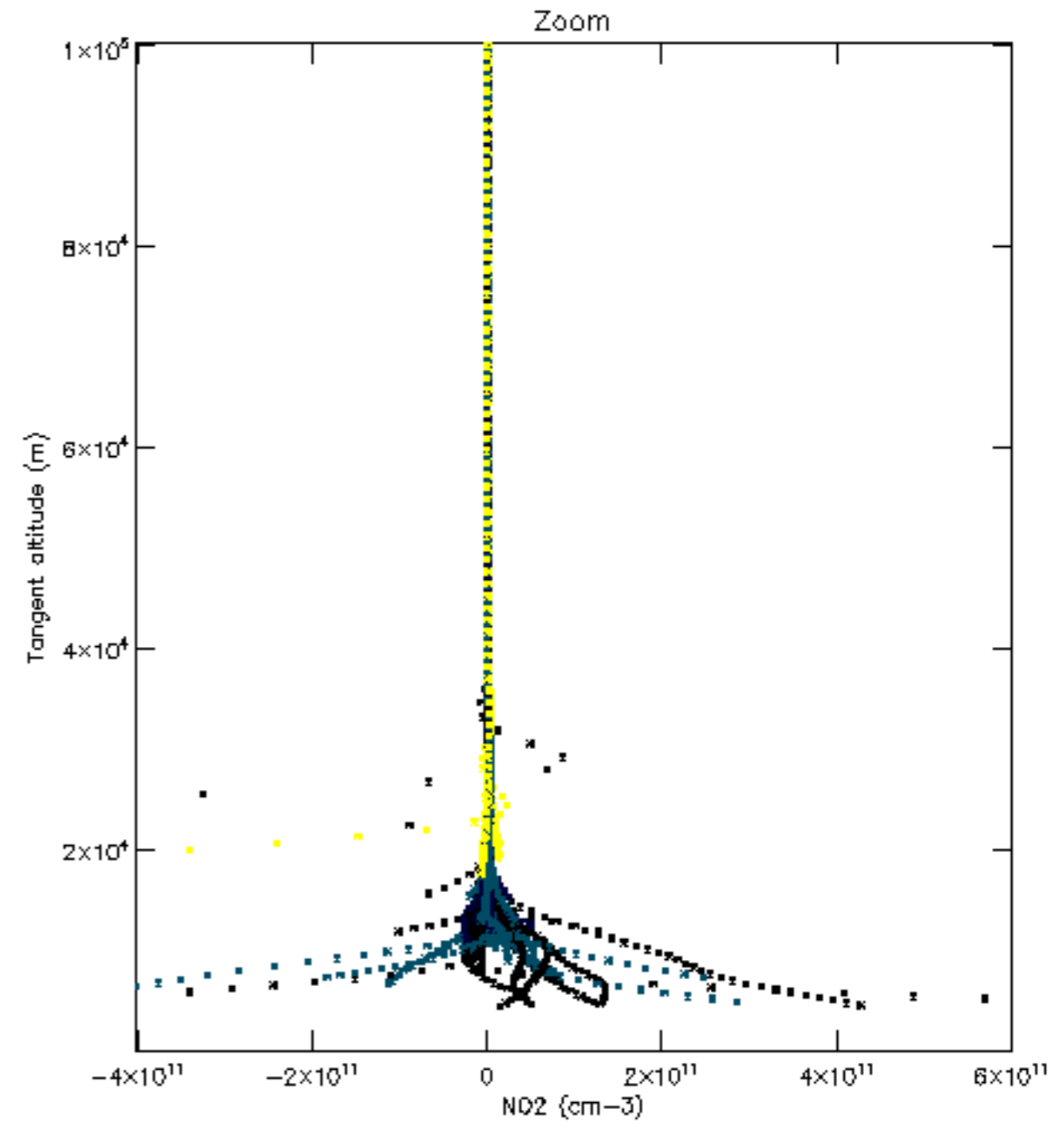
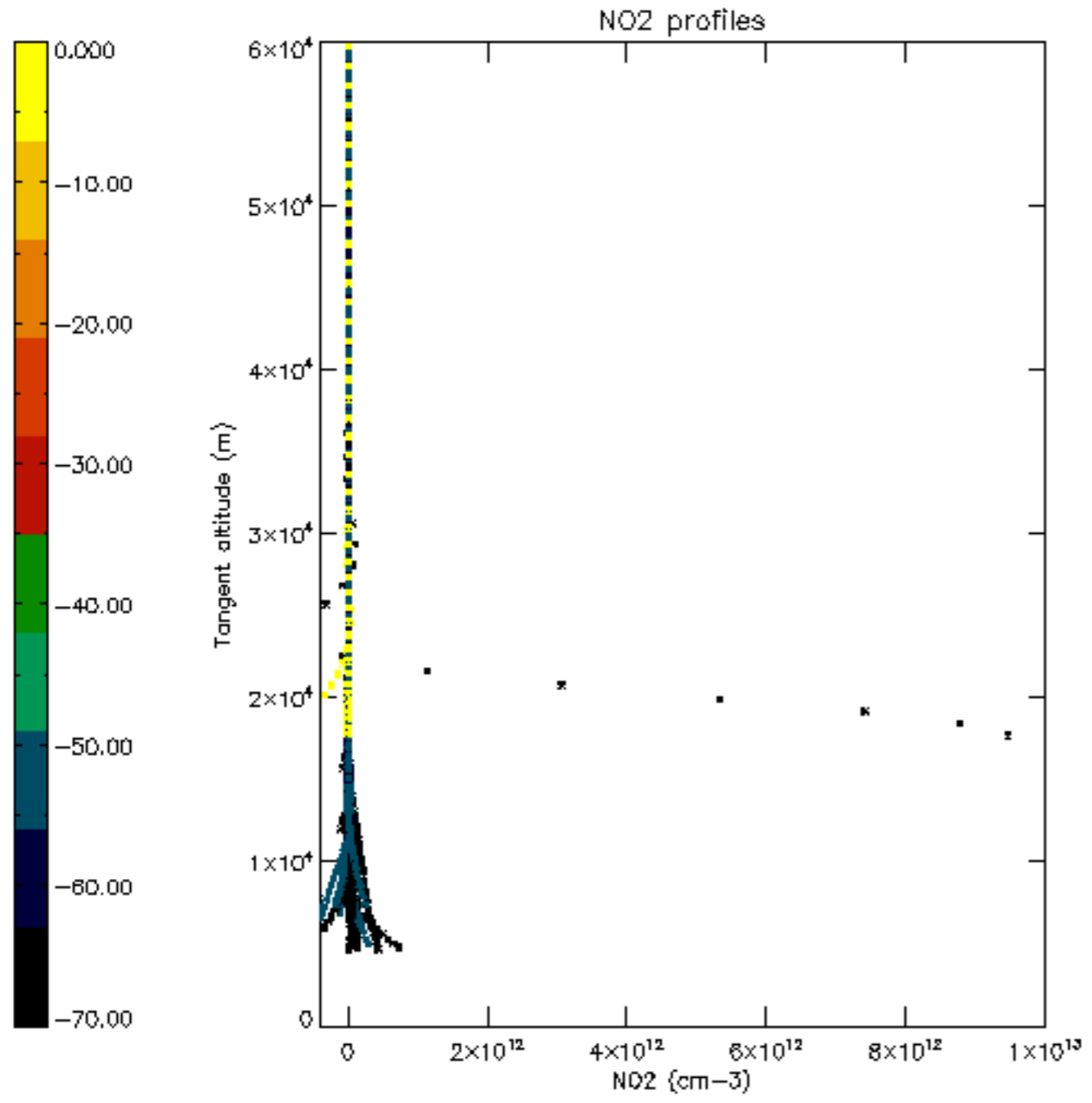


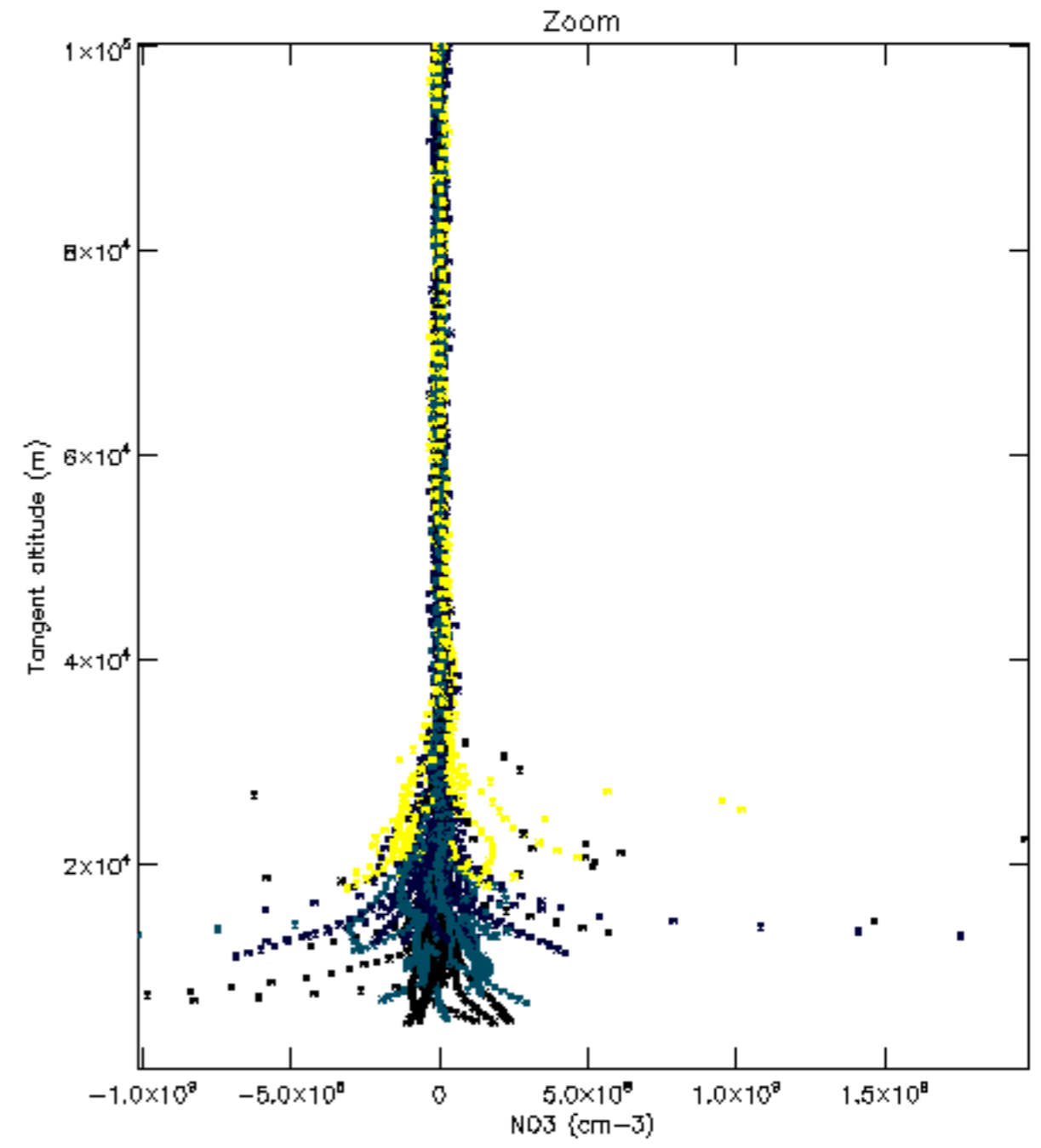
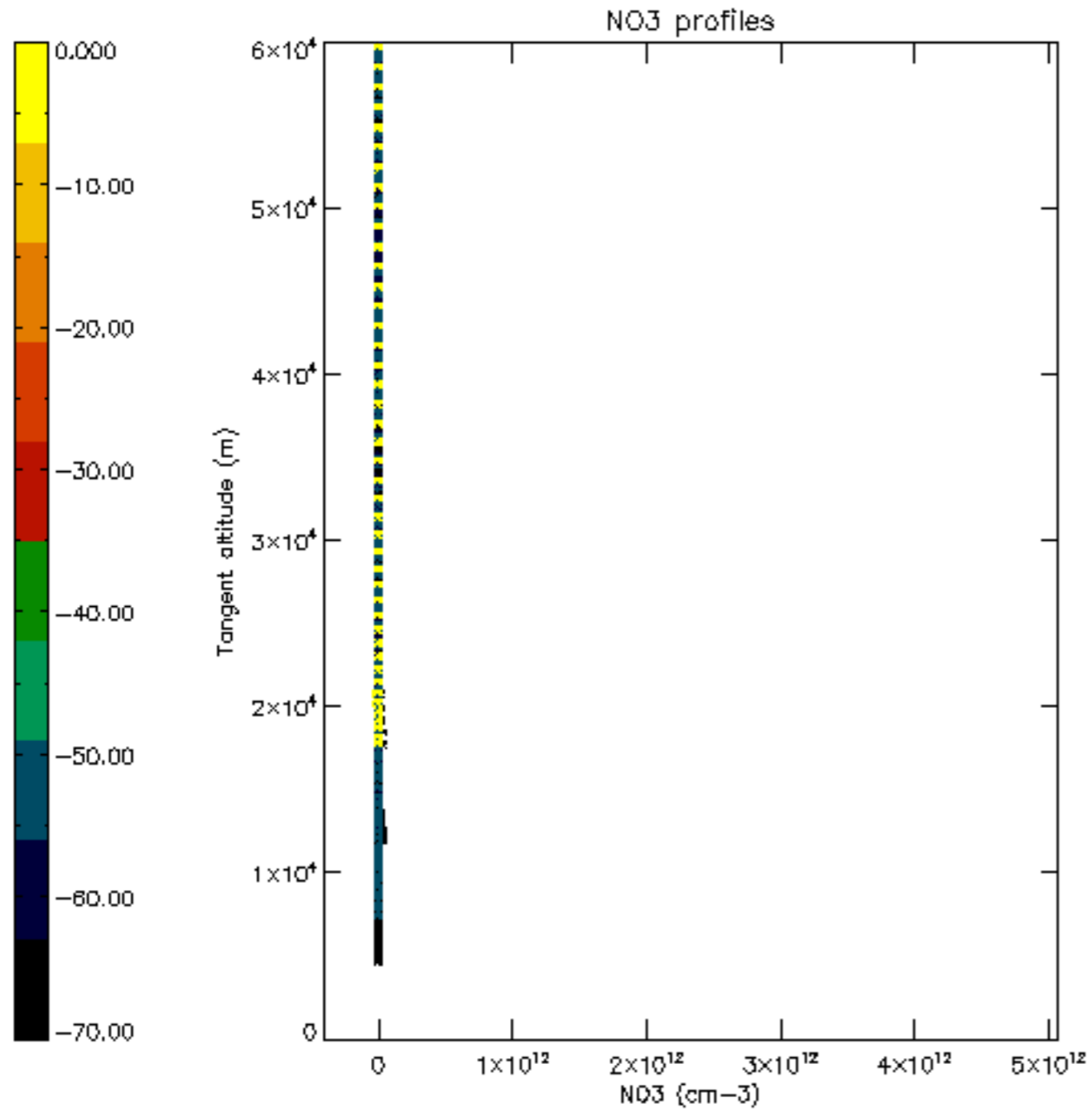


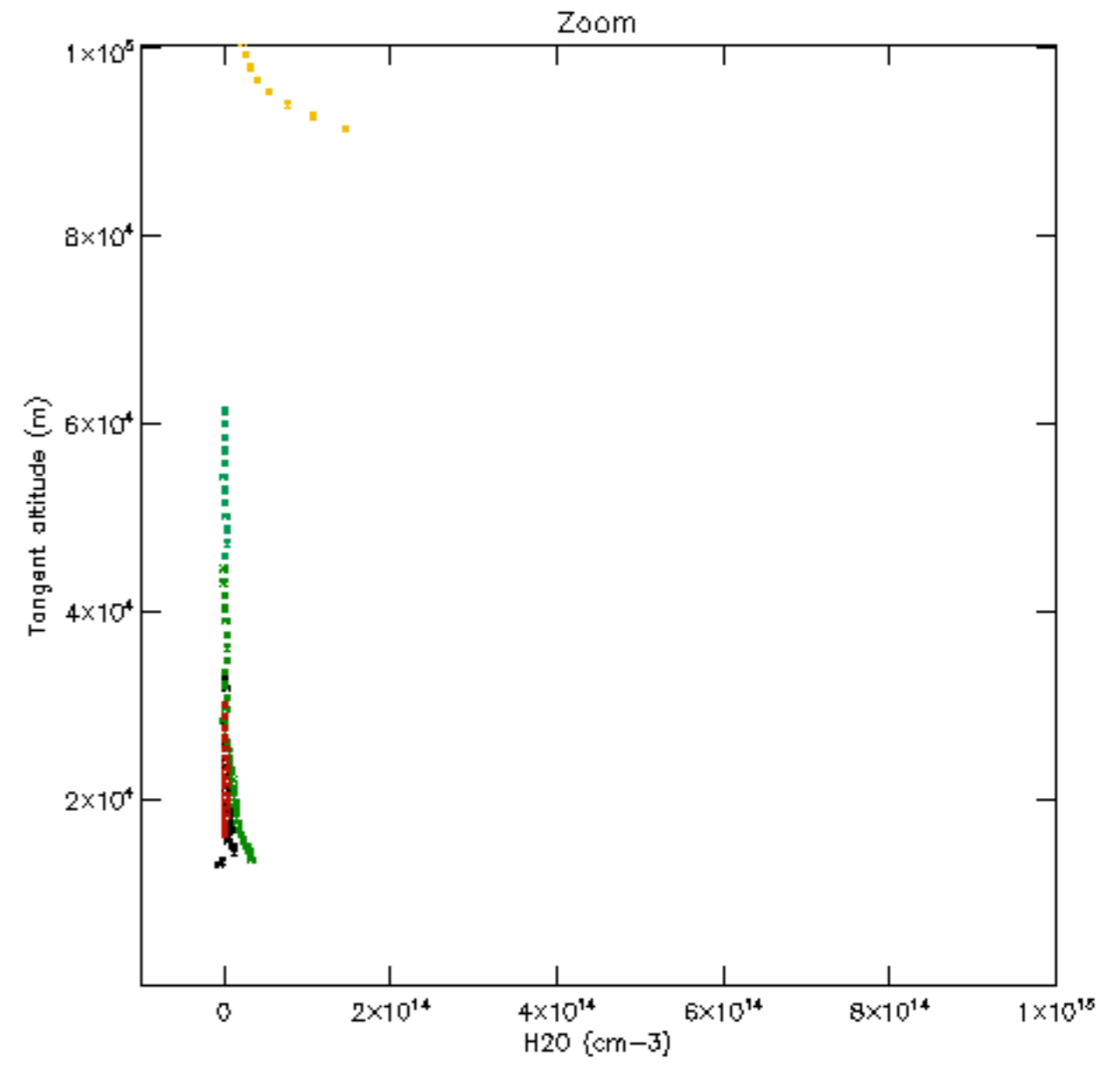
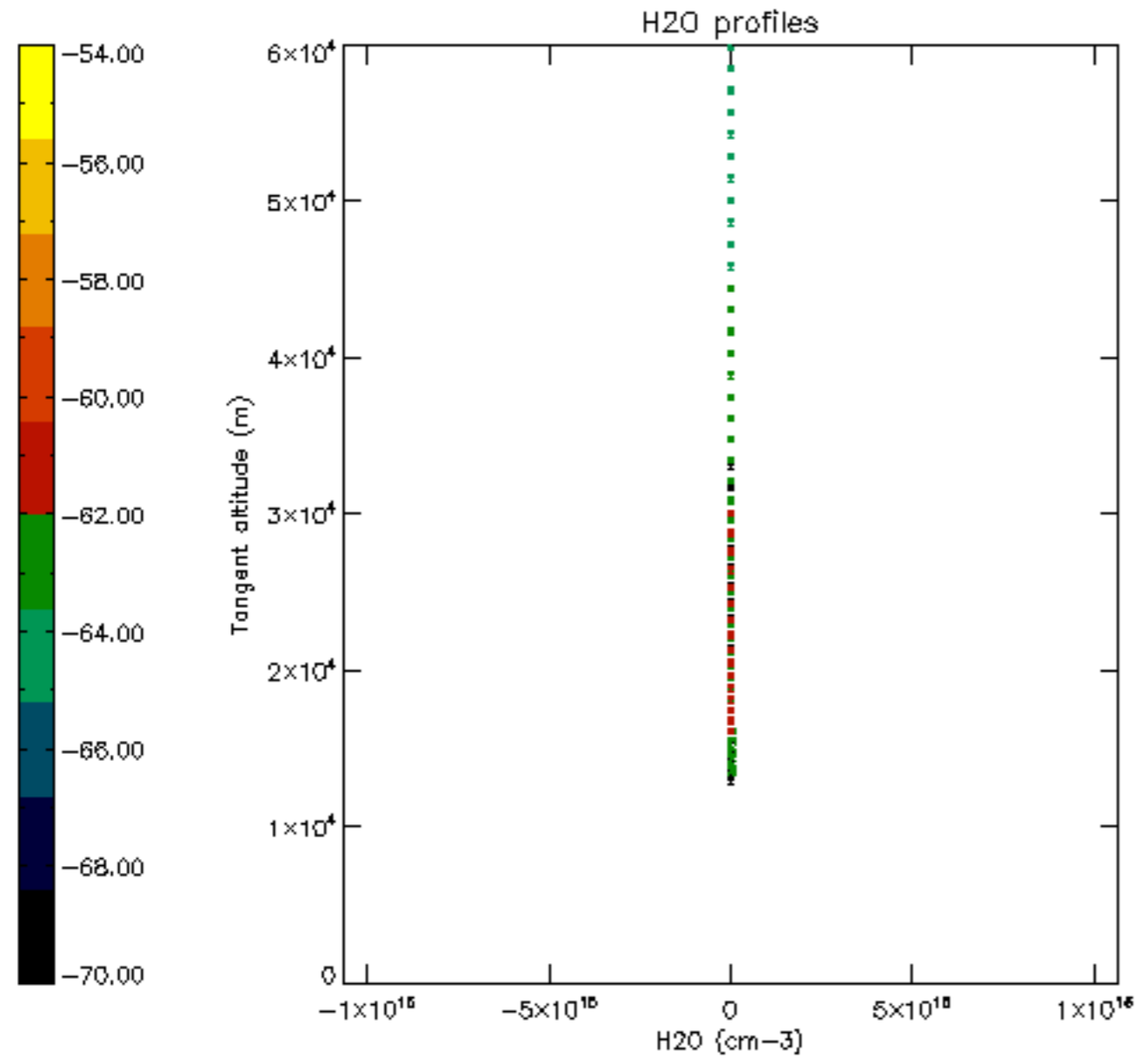


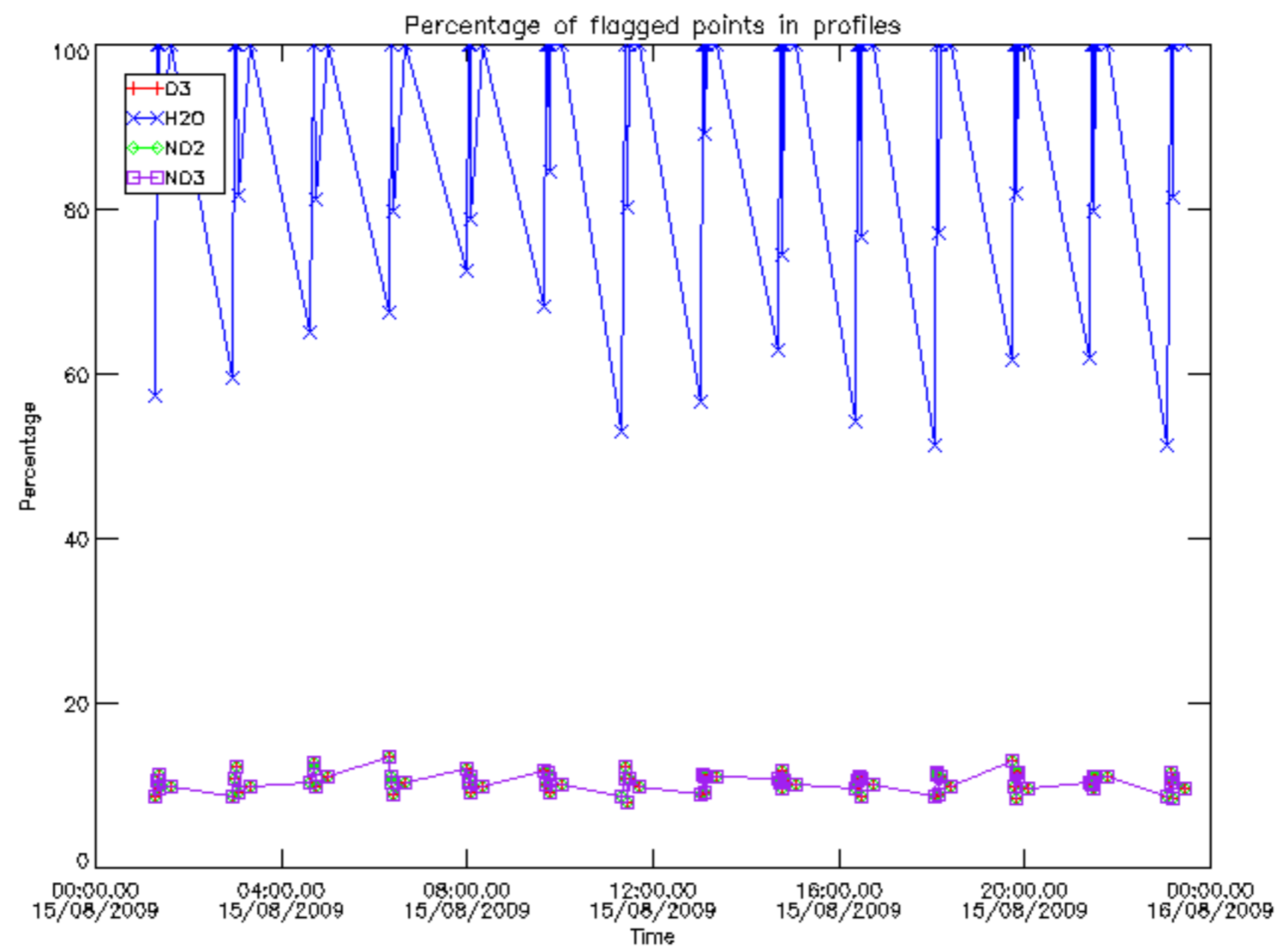




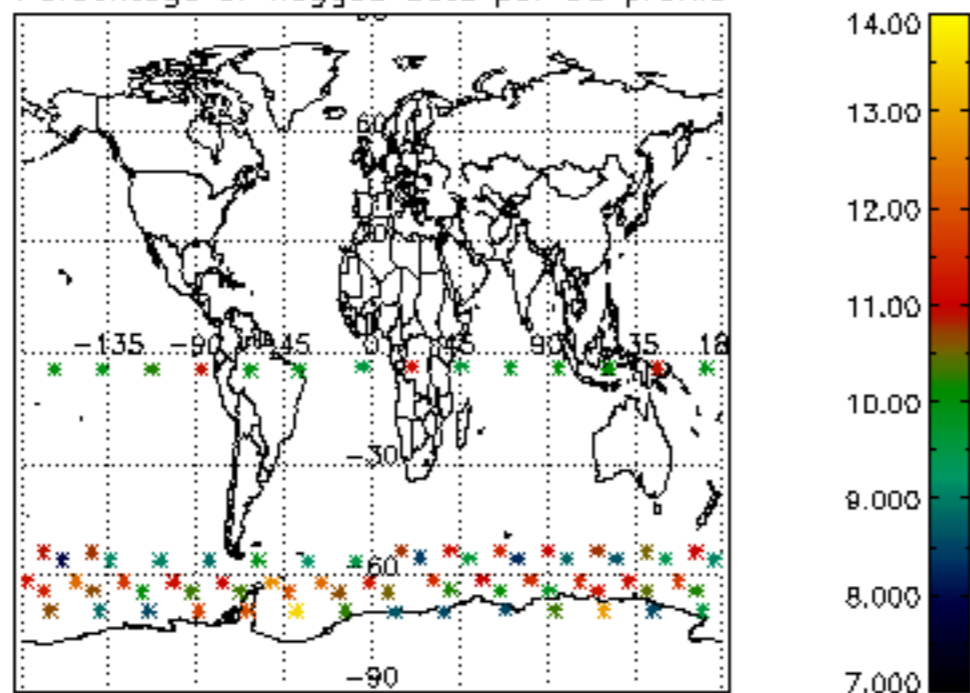




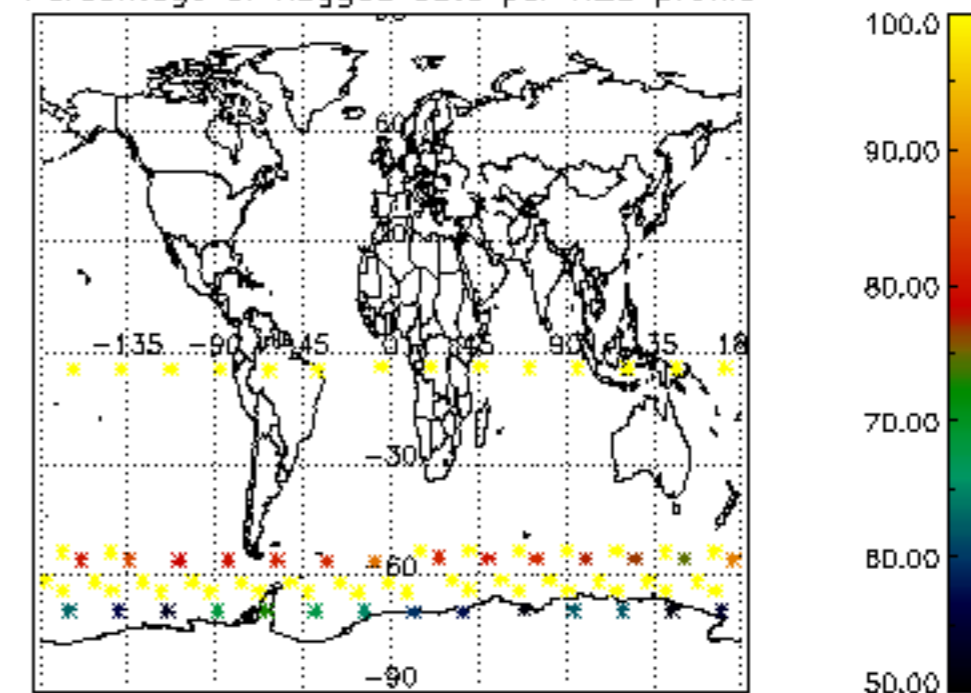




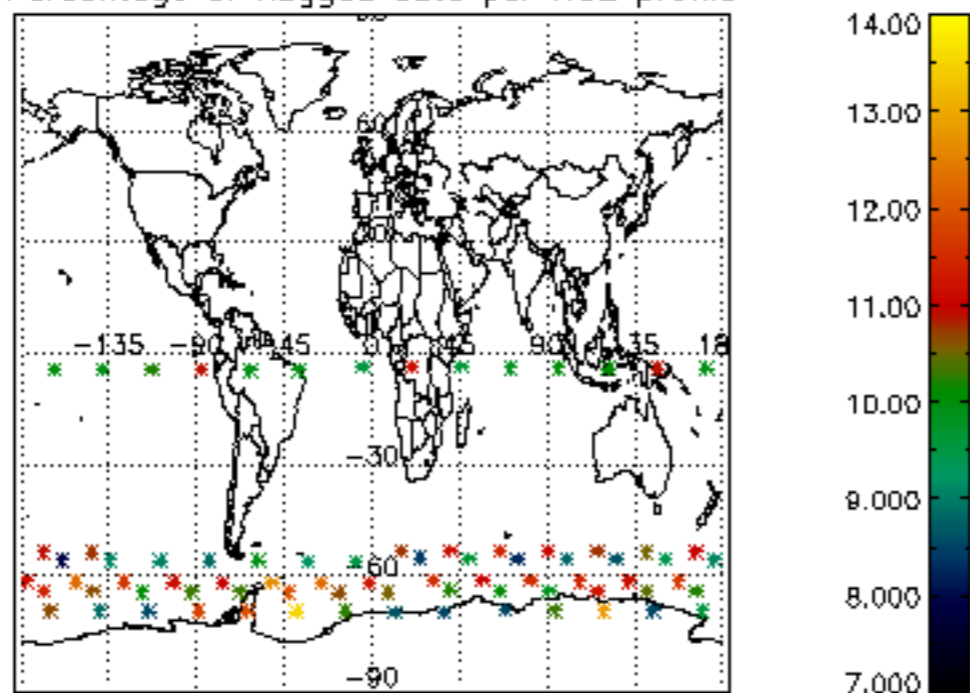
Percentage of flagged data per D3 profile



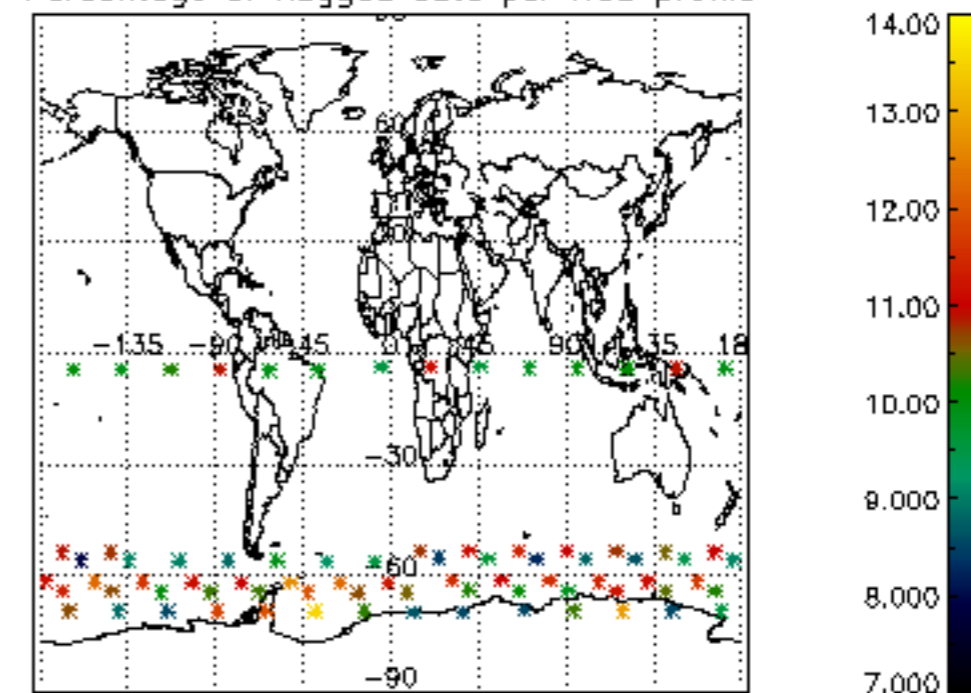
Percentage of flagged data per H2O profile

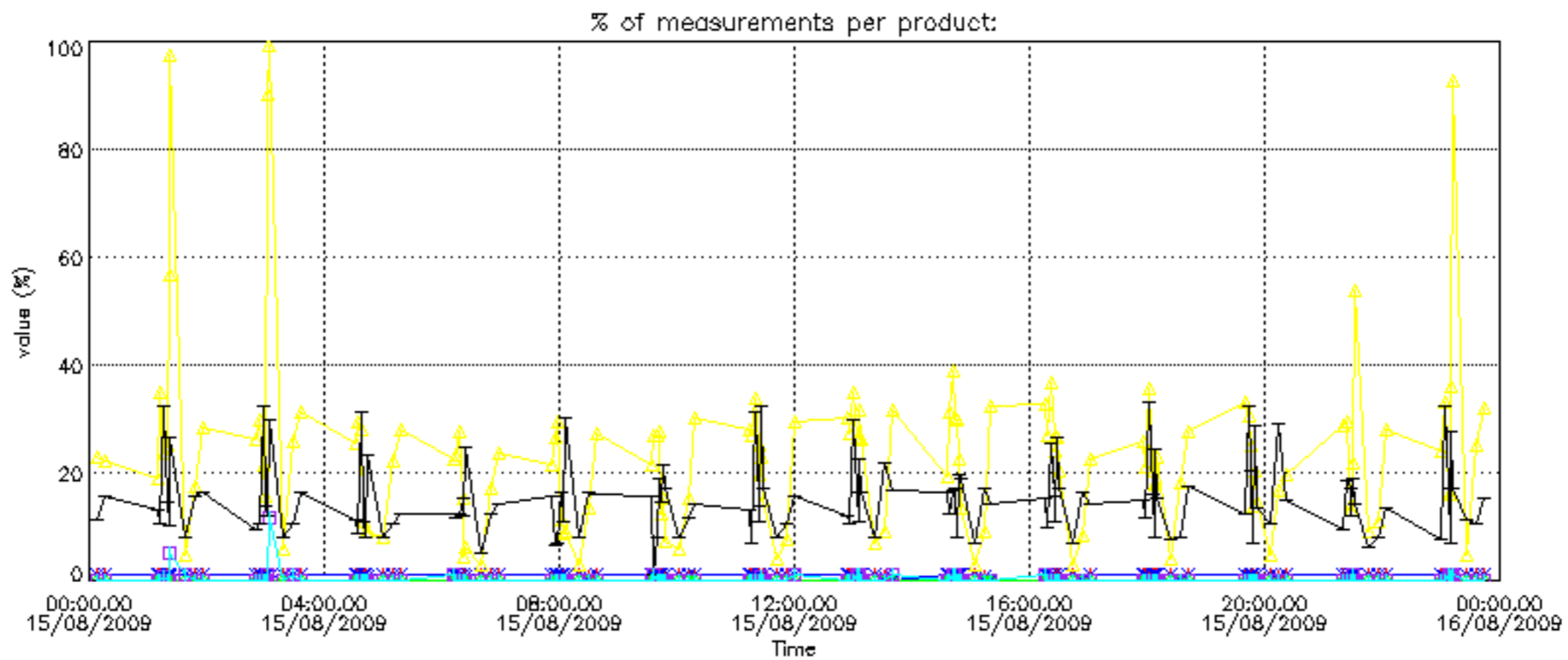
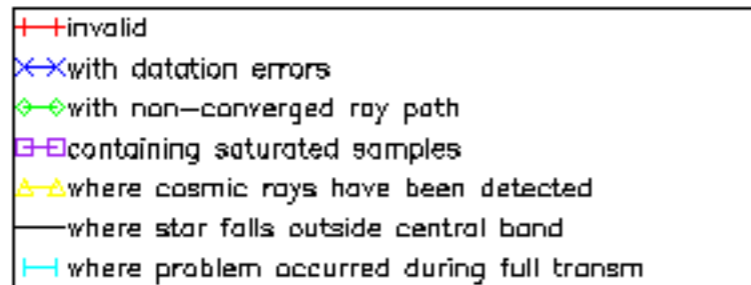


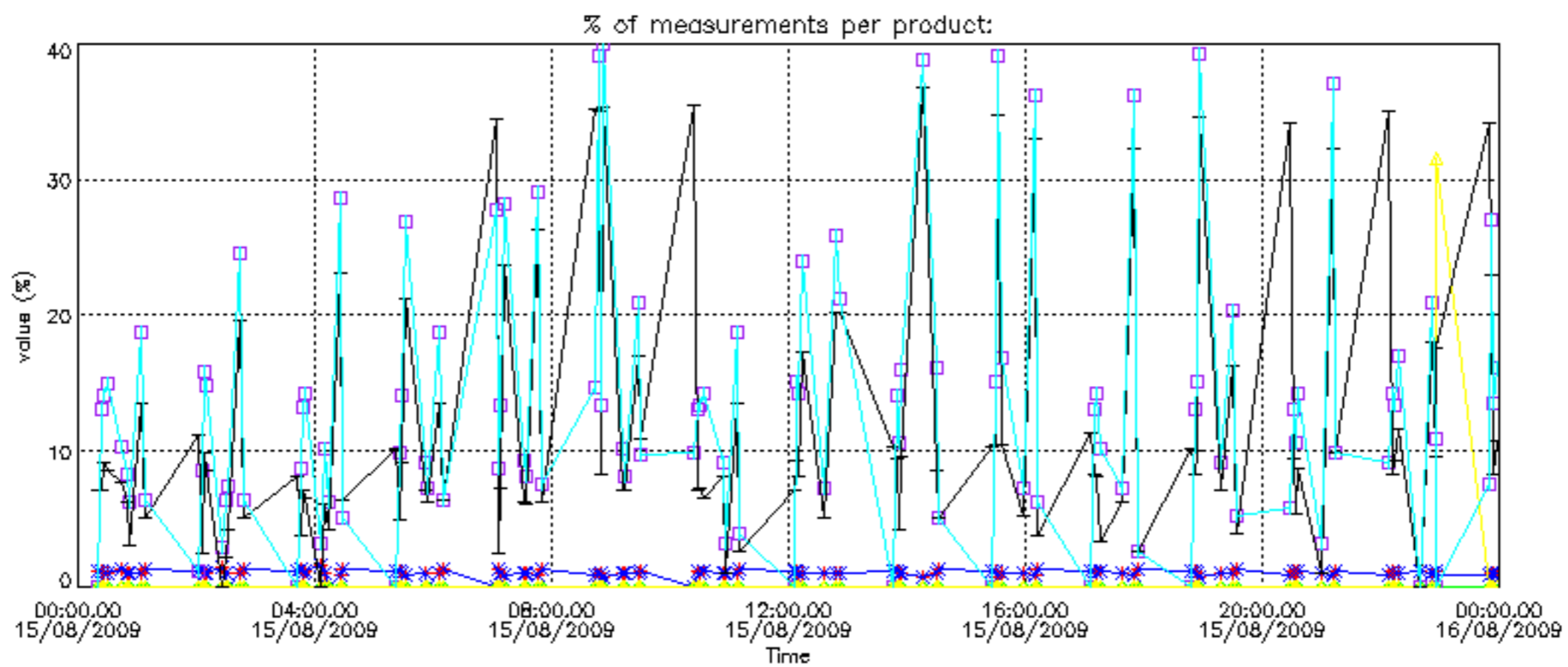
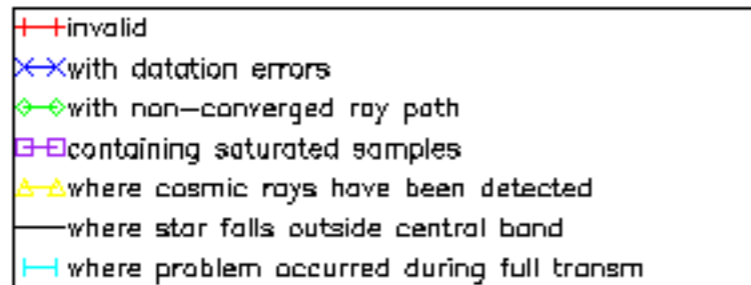
Percentage of flagged data per NO2 profile



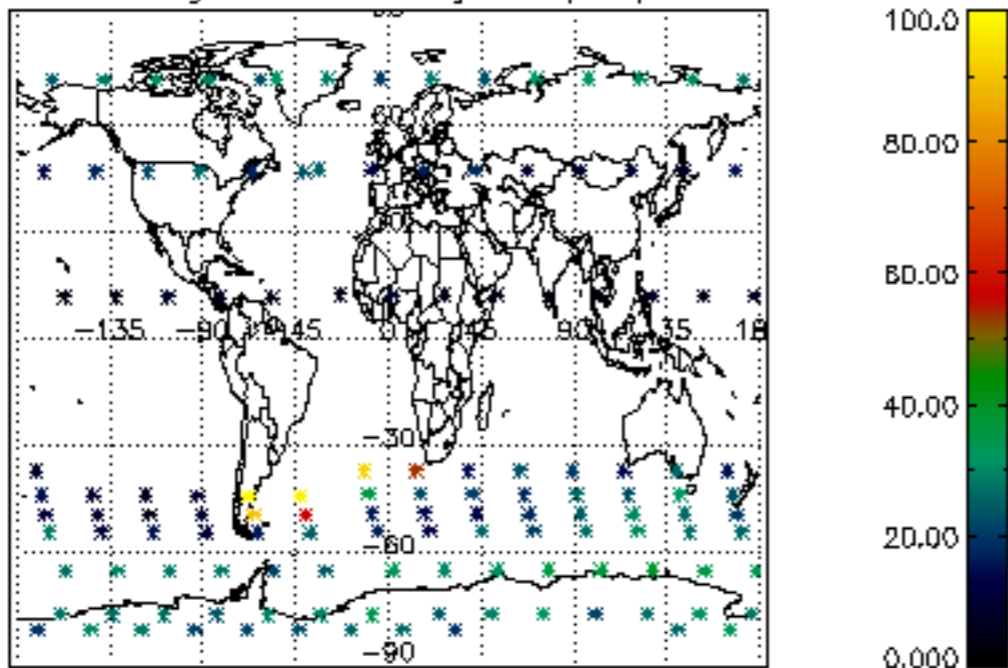
Percentage of flagged data per NO3 profile



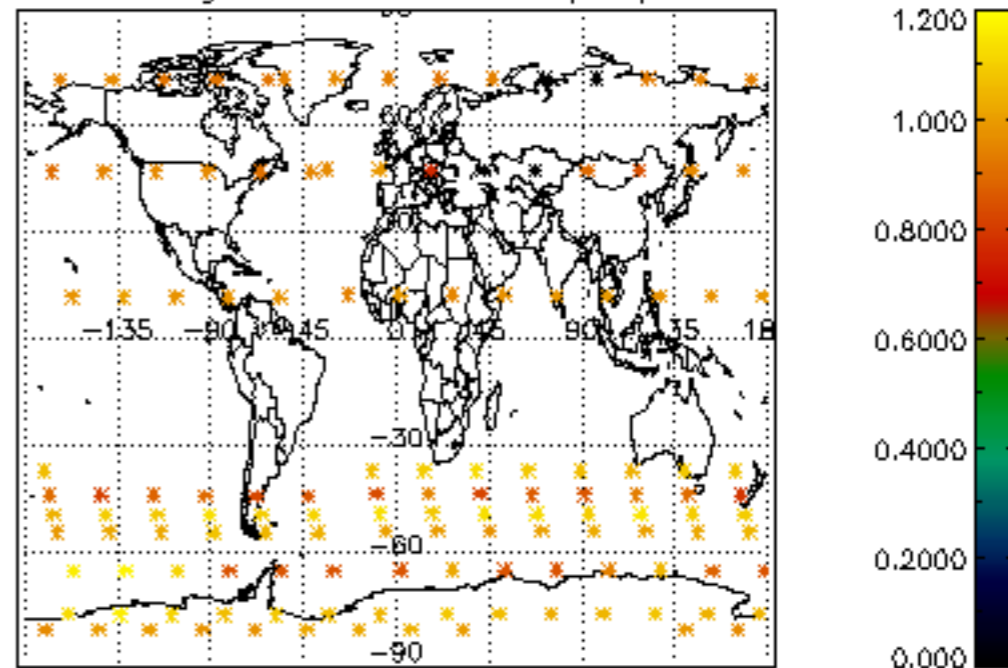




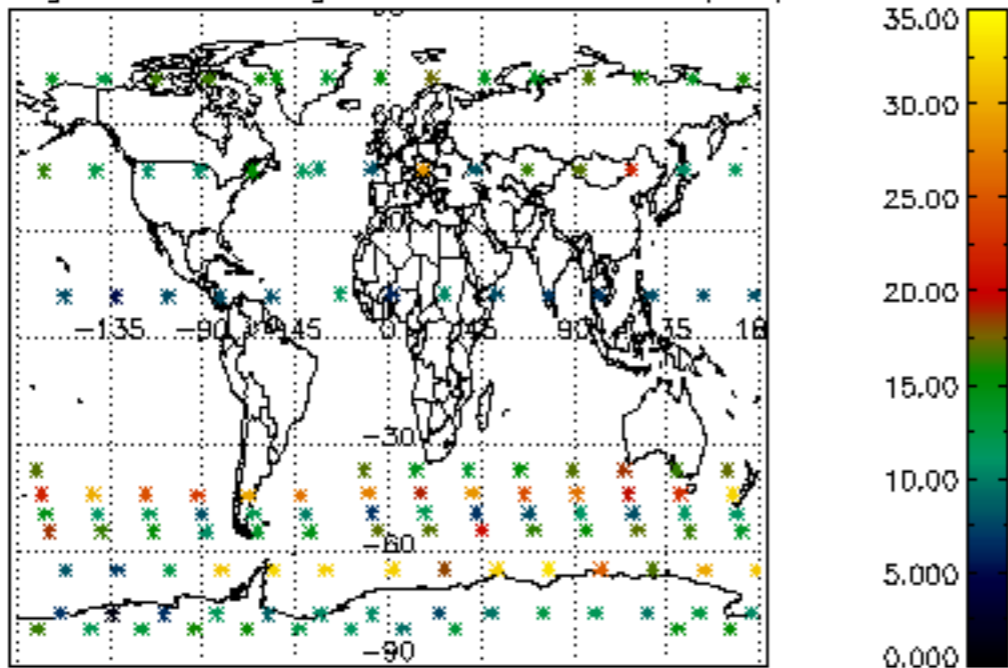
Percentage of cosmic ray hits per profile



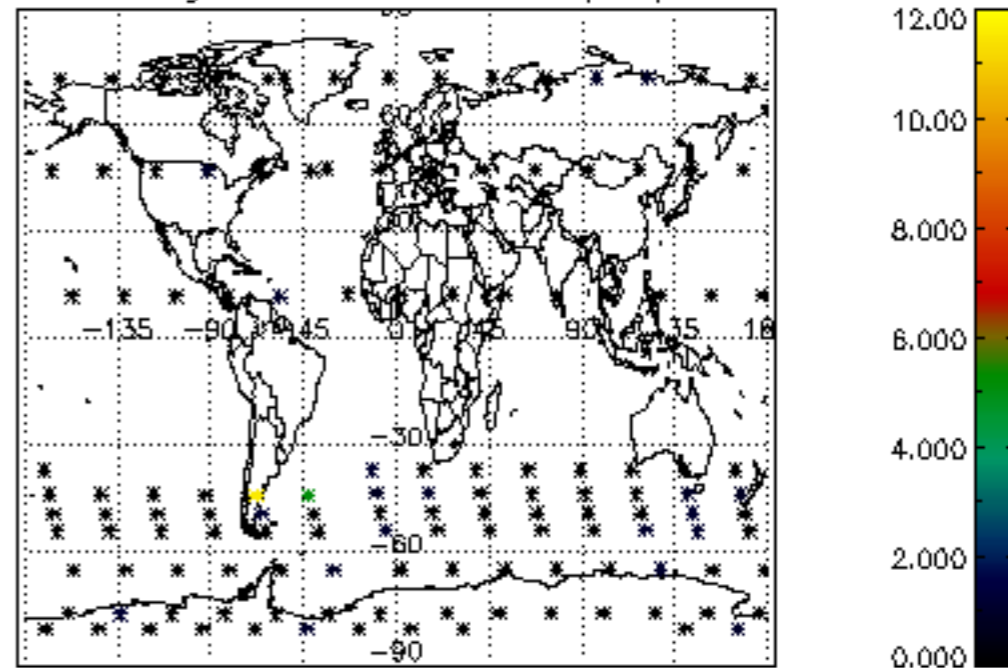
Percentage of datation errors per profile



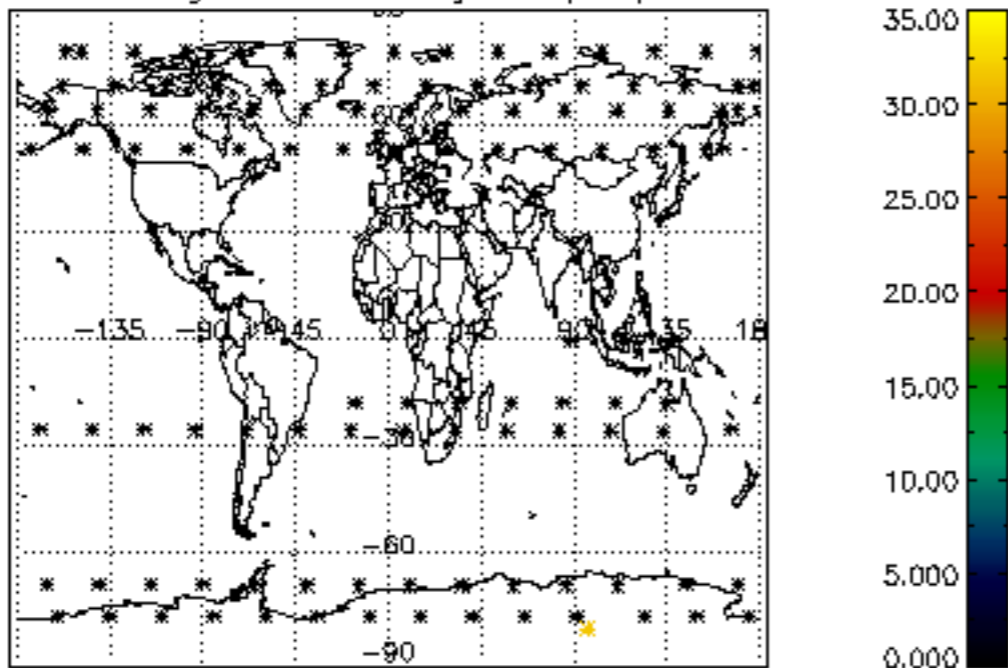
Percentage of star falling outside central band per profile



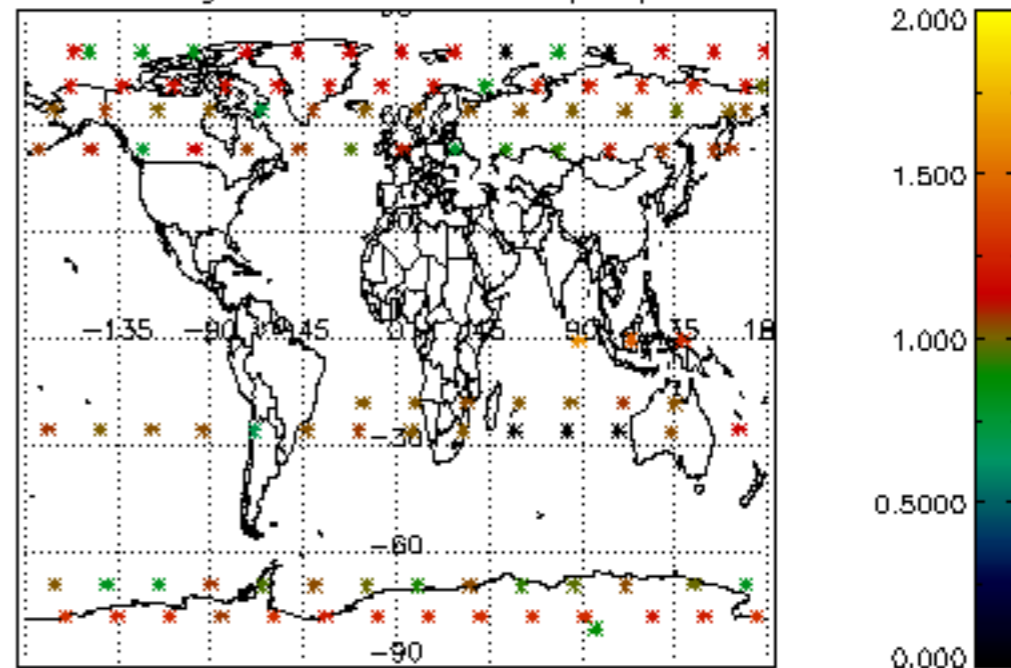
Percentage of saturation errors per profile



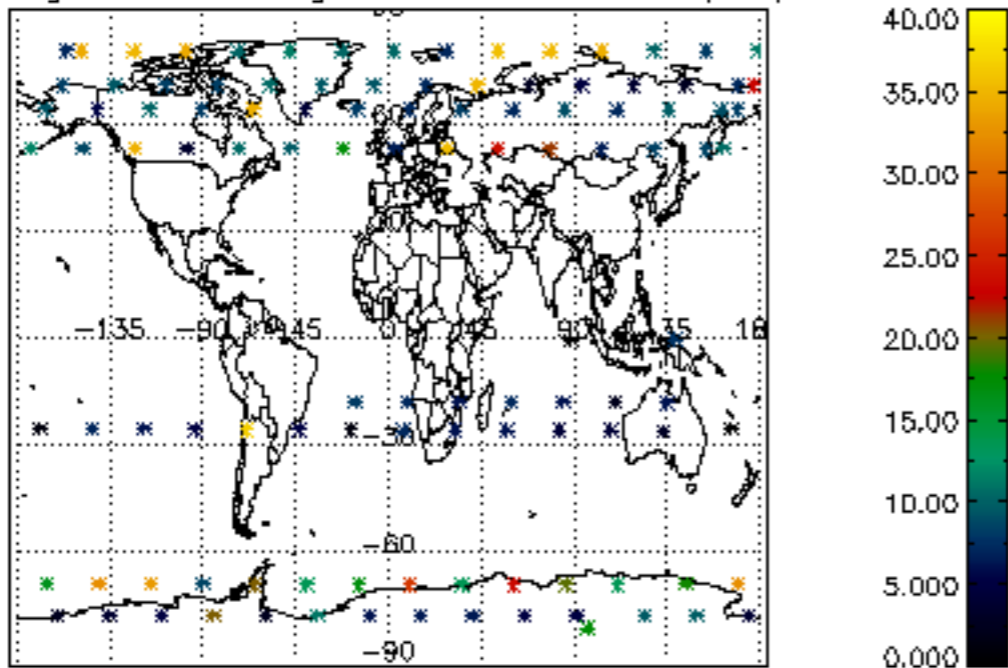
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

