

# 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 12:19:42
Data source version	GOMOS/6.01
Start time of products	30-08-2009 (30AUG2009 00:00:00)
Stop time of products	31-08-2009 (31AUG2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	225
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__2PRFIN20090830_000033_00000582082_00073_39205_2150.N1	30-AUG-2009 00:00:33	Twilight	57.500	151	13Mu Gem	2.8900	3000.0	115	39205	No
2	GOM_NL__2PRFIN20090830_000216_00000512082_00073_39205_2151.N1	30-AUG-2009 00:02:16	Twilight	50.500	44	24Gam Gem	1.9280	11000.	101	39205	No
3	GOM_NL__2PRFIN20090830_000641_00000632082_00073_39205_2152.N1	30-AUG-2009 00:06:41	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	39205	No
4	GOM_NL__2PRFIN20090830_001041_00000642082_00073_39205_2153.N1	30-AUG-2009 00:10:41	Dark	64.000	30	46Eps Ori	1.6940	30000.	128	39205	No
5	GOM_NL__2PRFIN20090830_001305_00000472082_00073_39205_2154.N1	30-AUG-2009 00:13:05	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39205	No
6	GOM_NL__2PRFIN20090830_001544_00000572082_00073_39205_2155.N1	30-AUG-2009 00:15:44	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39205	No
7	GOM_NL__2PRFIN20090830_003044_00000552082_00074_39206_2173.N1	30-AUG-2009 00:30:44	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39206	No
8	GOM_NL__2PRFIN20090830_003856_00000492082_00074_39206_2174.N1	30-AUG-2009 00:38:56	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39206	No
9	GOM_NL__2PRFIN20090830_004513_00000462082_00074_39206_2175.N1	30-AUG-2009 00:45:13	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	39206	No
10	GOM_NL__2PRFIN20090830_005448_00000392082_00074_39206_2176.N1	30-AUG-2009 00:54:48	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39206	No
11	GOM_NL__2PRFIN20090830_010057_00000732082_00074_39206_2177.N1	30-AUG-2009 01:00:57	Bright	72.500	90	54Alp Peg	2.4870	11000.	145	39206	No
12	GOM_NL__2PRFIN20090830_010507_00000652082_00074_39206_2178.N1	30-AUG-2009 01:05:07	Bright	65.000	164	44Eta Peg	2.9480	5400.0	130	39206	No
13	GOM_NL__2PRFIN20090830_011553_00000422082_00074_39206_2179.N1	30-AUG-2009 01:15:53	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39206	No
14	GOM_NL__2PRFIN20090830_011803_00000462082_00074_39206_2180.N1	30-AUG-2009 01:18:03	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	39206	No
15	GOM_NL__2PRFIN20090830_013234_00000582082_00074_39206_2181.N1	30-AUG-2009 01:32:34	Bright	57.500	6	13Alp Aur	0.080000	3400.0	115	39206	No
16	GOM_NL__2PRFIN20090830_013609_00000452082_00074_39206_2182.N1	30-AUG-2009 01:36:09	Bright	45.000	107	37The Aur	2.6490	11000.	90	39206	No
17	GOM_NL__2PRFIN20090830_014109_00000552082_00074_39206_2183.N1	30-AUG-2009 01:41:09	Twilight	54.500	151	13Mu Gem	2.8900	3000.0	109	39206	No
18	GOM_NL__2PRFIN20090830_014253_00000482082_00074_39206_2184.N1	30-AUG-2009 01:42:53	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39206	No
19	GOM_NL__2PRFIN20090830_014717_00000722082_00074_39206_2185.N1	30-AUG-2009 01:47:17	Dark	72.000	14	58Alp Ori	0.87000	3000.0	144	39206	No
20	GOM_NL__2PRFIN20090830_015118_00000612082_00074_39206_2186.N1	30-AUG-2009 01:51:18	Dark	60.500	30	46Eps Ori	1.6940	30000.	121	39206	No
21	GOM_NL__2PRFIN20090830_015341_00000462082_00074_39206_2187.N1	30-AUG-2009 01:53:41	Dark	46.000	47	2Bet CMa	1.9760	28000.	92	39206	No
22	GOM_NL__2PRFIN20090830_015621_00000542082_00074_39206_2188.N1	30-AUG-2009 01:56:21	Dark	53.500	101	11Alp Lep	2.5820	7000.0	107	39206	No
23	GOM_NL__2PRFIN20090830_021121_00000542082_00075_39207_2188.N1	30-AUG-2009 02:11:21	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39207	No
24	GOM_NL__2PRFIN20090830_021933_00000492082_00075_39207_2189.N1	30-AUG-2009 02:19:33	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39207	No
25	GOM_NL__2PRFIN20090830_022549_00000472082_00075_39207_2190.N1	30-AUG-2009 02:25:49	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39207	No
26	GOM_NL__2PRFIN20090830_023524_00000392082_00075_39207_2191.N1	30-AUG-2009 02:35:24	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39207	No
27	GOM_NL__2PRFIN20090830_024133_00000502082_00075_39207_2192.N1	30-AUG-2009 02:41:33	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39207	No
28	GOM_NL__2PRFIN20090830_024543_00000442082_00075_39207_2193.N1	30-AUG-2009 02:45:43	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39207	No
29	GOM_NL__2PRFIN20090830_025628_00000412082_00075_39207_2194.N1	30-AUG-2009 02:56:28	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39207	No
30	GOM_NL__2PRFIN20090830_025838_00000432082_00075_39207_2195.N1	30-AUG-2009 02:58:38	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39207	No
31	GOM_NL__2PRFIN20090830_031310_00000592082_00075_39207_2196.N1	30-AUG-2009 03:13:10	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39207	No
32	GOM_NL__2PRFIN20090830_031645_00000472082_00075_39207_2197.N1	30-AUG-2009 03:16:45	Bright	47.000	107	37The Aur	2.6490	11000.	94	39207	No
33	GOM_NL__2PRFIN20090830_032145_00000562082_00075_39207_2198.N1	30-AUG-2009 03:21:45	Twilight	55.500	151	13Mu Gem	2.8900	3000.0	111	39207	No
34	GOM_NL__2PRFIN20090830_032329_00000482082_00075_39207_2199.N1	30-AUG-2009 03:23:29	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39207	No
35	GOM_NL__2PRFIN20090830_032754_00000622082_00075_39207_2200.N1	30-AUG-2009 03:27:54	Dark	61.500	14	58Alp Ori	0.87000	3000.0	123	39207	No
36	GOM_NL__2PRFIN20090830_033155_00000612082_00075_39207_2201.N1	30-AUG-2009 03:31:55	Dark	60.500	30	46Eps Ori	1.6940	30000.	121	39207	No
37	GOM_NL__2PRFIN20090830_033417_00000462082_00075_39207_2202.N1	30-AUG-2009 03:34:17	Dark	45.500	47	2Bet CMa	1.9760	28000.	91	39207	No
38	GOM_NL__2PRFIN20090830_033658_00000572082_00075_39207_2203.N1	30-AUG-2009 03:36:58	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39207	No
39	GOM_NL__2PRFIN20090830_035158_00000562082_00076_39208_2200.N1	30-AUG-2009 03:51:58	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39208	No
40	GOM_NL__2PRFIN20090830_040009_00000502082_00076_39208_2201.N1	30-AUG-2009 04:00:09	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	39208	No
41	GOM_NL__2PRFIN20090830_040625_00000472082_00076_39208_2202.N1	30-AUG-2009 04:06:25	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	39208	No
42	GOM_NL__2PRFIN20090830_041600_00000392082_00076_39208_2203.N1	30-AUG-2009 04:16:00	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39208	No

43	GOM_NL__2PRFIN20090830_042208_000000492082_00076_39208_2204.N1	30-AUG-2009 04:22:08	Bright	48.500	90	54Alp Peg	2.4870	11000.	97	39208	No
44	GOM_NL__2PRFIN20090830_042618_000000452082_00076_39208_2205.N1	30-AUG-2009 04:26:18	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39208	No
45	GOM_NL__2PRFIN20090830_043704_000000462082_00076_39208_2206.N1	30-AUG-2009 04:37:04	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39208	No
46	GOM_NL__2PRFIN20090830_043913_000000472082_00076_39208_2207.N1	30-AUG-2009 04:39:13	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39208	No
47	GOM_NL__2PRFIN20090830_045346_000000562082_00076_39208_2208.N1	30-AUG-2009 04:53:46	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	39208	No
48	GOM_NL__2PRFIN20090830_045721_000000472082_00076_39208_2209.N1	30-AUG-2009 04:57:21	Bright	46.500	107	37The Aur	2.6490	11000.	93	39208	No
49	GOM_NL__2PRFIN20090830_050222_000000532082_00076_39208_2210.N1	30-AUG-2009 05:02:22	Twilight	53.000	151	13Mu Gem	2.8900	3000.0	106	39208	No
50	GOM_NL__2PRFIN20090830_050406_000000462082_00076_39208_2211.N1	30-AUG-2009 05:04:06	Twilight	46.000	44	24Gam Gem	1.9280	11000.	92	39208	No
51	GOM_NL__2PRFIN20090830_050831_000000672082_00076_39208_2212.N1	30-AUG-2009 05:08:31	Dark	67.000	14	58Alp Ori	0.87000	3000.0	134	39208	No
52	GOM_NL__2PRFIN20090830_051232_000000602082_00076_39208_2213.N1	30-AUG-2009 05:12:32	Dark	60.000	30	46Eps Ori	1.6940	30000.	120	39208	No
53	GOM_NL__2PRFIN20090830_051454_000000472082_00076_39208_2214.N1	30-AUG-2009 05:14:54	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39208	No
54	GOM_NL__2PRFIN20090830_051735_000000532082_00076_39208_2215.N1	30-AUG-2009 05:17:35	Dark	53.000	101	11Alp Lep	2.5820	7000.0	106	39208	No
55	GOM_NL__2PRFIN20090830_053235_000000552082_00077_39209_2217.N1	30-AUG-2009 05:32:35	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39209	No
56	GOM_NL__2PRFIN20090830_054046_000000492082_00077_39209_2218.N1	30-AUG-2009 05:40:46	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39209	No
57	GOM_NL__2PRFIN20090830_054702_000000442082_00077_39209_2219.N1	30-AUG-2009 05:47:02	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	39209	No
58	GOM_NL__2PRFIN20090830_055636_000000572082_00077_39209_2220.N1	30-AUG-2009 05:56:36	Bright	57.000	162	34Alp Aqr	2.9440	5350.0	114	39209	No
59	GOM_NL__2PRFIN20090830_060244_000000482082_00077_39209_2221.N1	30-AUG-2009 06:02:44	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39209	No
60	GOM_NL__2PRFIN20090830_060654_000000442082_00077_39209_2222.N1	30-AUG-2009 06:06:54	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39209	No
61	GOM_NL__2PRFIN20090830_061739_000000452082_00077_39209_2223.N1	30-AUG-2009 06:17:39	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39209	No
62	GOM_NL__2PRFIN20090830_061949_000000452082_00077_39209_2224.N1	30-AUG-2009 06:19:49	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39209	No
63	GOM_NL__2PRFIN20090830_063421_000000552082_00077_39209_2225.N1	30-AUG-2009 06:34:21	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	39209	No
64	GOM_NL__2PRFIN20090830_063757_000000472082_00077_39209_2226.N1	30-AUG-2009 06:37:57	Bright	46.500	107	37The Aur	2.6490	11000.	93	39209	No
65	GOM_NL__2PRFIN20090830_064258_000000472082_00077_39209_2227.N1	30-AUG-2009 06:42:58	Twilight	46.500	151	13Mu Gem	2.8900	3000.0	93	39209	No
66	GOM_NL__2PRFIN20090830_064442_000000452082_00077_39209_2228.N1	30-AUG-2009 06:44:42	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	39209	No
67	GOM_NL__2PRFIN20090830_064908_000000732082_00077_39209_2229.N1	30-AUG-2009 06:49:08	Dark	73.000	14	58Alp Ori	0.87000	3000.0	146	39209	No
68	GOM_NL__2PRFIN20090830_065309_000000642082_00077_39209_2230.N1	30-AUG-2009 06:53:09	Dark	63.500	30	46Eps Ori	1.6940	30000.	127	39209	No
69	GOM_NL__2PRFIN20090830_065531_000000482082_00077_39209_2231.N1	30-AUG-2009 06:55:31	Dark	48.000	47	2Bet CMa	1.9760	28000.	96	39209	No
70	GOM_NL__2PRFIN20090830_065812_000000572082_00077_39209_2232.N1	30-AUG-2009 06:58:12	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39209	No
71	GOM_NL__2PRFIN20090830_071312_000000552082_00078_39210_2231.N1	30-AUG-2009 07:13:12	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39210	No
72	GOM_NL__2PRFIN20090830_072122_000000492082_00078_39210_2232.N1	30-AUG-2009 07:21:22	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39210	No
73	GOM_NL__2PRFIN20090830_072738_000000452082_00078_39210_2233.N1	30-AUG-2009 07:27:38	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	39210	No
74	GOM_NL__2PRFIN20090830_073711_000000572082_00078_39210_2234.N1	30-AUG-2009 07:37:11	Bright	57.000	162	34Alp Aqr	2.9440	5350.0	114	39210	No
75	GOM_NL__2PRFIN20090830_074319_000000482082_00078_39210_2235.N1	30-AUG-2009 07:43:19	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39210	No
76	GOM_NL__2PRFIN20090830_074729_000000452082_00078_39210_2236.N1	30-AUG-2009 07:47:29	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39210	No
77	GOM_NL__2PRFIN20090830_075814_000000442082_00078_39210_2237.N1	30-AUG-2009 07:58:14	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39210	No
78	GOM_NL__2PRFIN20090830_080024_000000432082_00078_39210_2238.N1	30-AUG-2009 08:00:24	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39210	No
79	GOM_NL__2PRFIN20090830_081457_000000622082_00078_39210_2239.N1	30-AUG-2009 08:14:57	Bright	61.500	6	13Alp Aur	0.080000	3400.0	123	39210	No
80	GOM_NL__2PRFIN20090830_081833_000000472082_00078_39210_2240.N1	30-AUG-2009 08:18:33	Bright	47.000	107	37The Aur	2.6490	11000.	94	39210	No
81	GOM_NL__2PRFIN20090830_082334_000000552082_00078_39210_2241.N1	30-AUG-2009 08:23:34	Twilight	54.500	151	13Mu Gem	2.8900	3000.0	109	39210	No
82	GOM_NL__2PRFIN20090830_082518_000000492082_00078_39210_2242.N1	30-AUG-2009 08:25:18	Twilight	49.000	44	24Gam Gem	1.9280	11000.	98	39210	No
83	GOM_NL__2PRFIN20090830_082944_000000732082_00078_39210_2243.N1	30-AUG-2009 08:29:44	Dark	72.500	14	58Alp Ori	0.87000	3000.0	145	39210	No
84	GOM_NL__2PRFIN20090830_083346_000000632082_00078_39210_2244.N1	30-AUG-2009 08:33:46	Dark	63.000	30	46Eps Ori	1.6940	30000.	126	39210	No
85	GOM_NL__2PRFIN20090830_083608_000000472082_00078_39210_2245.N1	30-AUG-2009 08:36:08	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39210	No
86	GOM_NL__2PRFIN20090830_083849_000000592082_00078_39210_2246.N1	30-AUG-2009 08:38:49	Dark	59.000	101	11Alp Lep	2.5820	7000.0	118	39210	No
87	GOM_NL__2PRFIN20090830_085349_000000552082_00079_39211_2245.N1	30-AUG-2009 08:53:49	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39211	No
88	GOM_NL__2PRFIN20090830_090159_000000512082_00079_39211_2246.N1	30-AUG-2009 09:01:59	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39211	No
89	GOM_NL__2PRFIN20090830_090814_000000462082_00079_39211_2247.N1	30-AUG-2009 09:08:14	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39211	No
90	GOM_NL__2PRFIN20090830_091747_000000392082_00079_39211_2248.N1	30-AUG-2009 09:17:47	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39211	No
91	GOM_NL__2PRFIN20090830_092354_000000502082_00079_39211_2249.N1	30-AUG-2009 09:23:54	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39211	No
92	GOM_NL__2PRFIN20090830_092804_000000432082_00079_39211_2250.N1	30-AUG-2009 09:28:04	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39211	No
93	GOM_NL__2PRFIN20090830_093850_000000412082_00079_39211_2251.N1	30-AUG-2009 09:38:50	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39211	No
94	GOM_NL__2PRFIN20090830_094059_000000472082_00079_39211_2252.N1	30-AUG-2009 09:40:59	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39211	No
95	GOM_NL__2PRFIN20090830_095533_000000572082_00079_39211_2253.N1	30-AUG-2009 09:55:33	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	39211	No
96	GOM_NL__2PRFIN20090830_095909_000000472082_00079_39211_2254.N1	30-AUG-2009 09:59:09	Bright	46.500	107	37The Aur	2.6490	11000.	93	39211	No
97	GOM_NL__2PRFIN20090830_100410_000000592082_00079_39211_2255.N1	30-AUG-2009 10:04:10	Twilight	59.000	151	13Mu Gem	2.8900	3000.0	118	39211	No
98	GOM_NL__2PRFIN20090830_100555_000000502082_00079_39211_2256.N1	30-AUG-2009 10:05:55	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	39211	No
99	GOM_NL__2PRFIN20090830_101021_000000642082_00079_39211_2257.N1	30-AUG-2009 10:10:21	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	39211	No
100	GOM_NL__2PRFIN20090830_101423_000000602082_00079_39211_2258.N1	30-AUG-2009 10:14:23	Dark	59.500	30	46Eps Ori	1.6940	30000.	119	39211	No
101	GOM_NL__2PRFIN20090830_101644_000000462082_00079_39211_2259.N1	30-AUG-2009 10:16:44	Dark	45.500	47	2Bet CMa	1.9760	28000.	91	39211	No

102	GOM_NL__2PRFIN20090830_101926_000000552082_00079_39211_2260.N1	30-AUG-2009 10:19:26	Dark	55.000	101	11Alp Lep	2.5820	7000.0	110	39211	No
103	GOM_NL__2PRFIN20090830_103426_000000552082_00080_39212_2279.N1	30-AUG-2009 10:34:26	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39212	No
104	GOM_NL__2PRFIN20090830_104235_000000512082_00080_39212_2280.N1	30-AUG-2009 10:42:35	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39212	No
105	GOM_NL__2PRFIN20090830_104850_000000452082_00080_39212_2281.N1	30-AUG-2009 10:48:50	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	39212	No
106	GOM_NL__2PRFIN20090830_105823_000000522082_00080_39212_2282.N1	30-AUG-2009 10:58:23	Bright	52.000	162	34Alp Aqr	2.9440	5350.0	104	39212	No
107	GOM_NL__2PRFIN20090830_110429_000000502082_00080_39212_2283.N1	30-AUG-2009 11:04:29	Bright	50.000	90	54Alp Peg	2.4870	11000.	100	39212	No
108	GOM_NL__2PRFIN20090830_110840_000000442082_00080_39212_2284.N1	30-AUG-2009 11:08:40	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39212	No
109	GOM_NL__2PRFIN20090830_111924_000000442082_00080_39212_2285.N1	30-AUG-2009 11:19:24	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39212	No
110	GOM_NL__2PRFIN20090830_112134_000000472082_00080_39212_2286.N1	30-AUG-2009 11:21:34	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39212	No
111	GOM_NL__2PRFIN20090830_113608_000000542082_00080_39212_2287.N1	30-AUG-2009 11:36:08	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	39212	No
112	GOM_NL__2PRFIN20090830_113945_000000482082_00080_39212_2288.N1	30-AUG-2009 11:39:45	Bright	47.500	107	37The Aur	2.6490	11000.	95	39212	No
113	GOM_NL__2PRFIN20090830_114447_000000562082_00080_39212_2289.N1	30-AUG-2009 11:44:47	Tw_i_and_stray	55.500	151	13Mu Gem	2.8900	3000.0	111	39212	No
114	GOM_NL__2PRFIN20090830_114631_000000502082_00080_39212_2290.N1	30-AUG-2009 11:46:31	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39212	No
115	GOM_NL__2PRFIN20090830_115058_000000662082_00080_39212_2291.N1	30-AUG-2009 11:50:58	Dark	65.500	14	58Alp Ori	0.87000	3000.0	131	39212	No
116	GOM_NL__2PRFIN20090830_115500_000000622082_00080_39212_2292.N1	30-AUG-2009 11:55:00	Dark	61.500	30	46Eps Ori	1.6940	30000.	123	39212	No
117	GOM_NL__2PRFIN20090830_115721_000000472082_00080_39212_2293.N1	30-AUG-2009 11:57:21	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39212	No
118	GOM_NL__2PRFIN20090830_120003_000000502082_00080_39212_2294.N1	30-AUG-2009 12:00:03	Dark	50.000	101	11Alp Lep	2.5820	7000.0	100	39212	No
119	GOM_NL__2PRFIN20090830_121504_000000562082_00081_39213_2293.N1	30-AUG-2009 12:15:04	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39213	No
120	GOM_NL__2PRFIN20090830_122312_000000492082_00081_39213_2294.N1	30-AUG-2009 12:23:12	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39213	No
121	GOM_NL__2PRFIN20090830_122926_000000462082_00081_39213_2295.N1	30-AUG-2009 12:29:26	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39213	No
122	GOM_NL__2PRFIN20090830_123859_000000392082_00081_39213_2296.N1	30-AUG-2009 12:38:59	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39213	No
123	GOM_NL__2PRFIN20090830_124505_000000492082_00081_39213_2297.N1	30-AUG-2009 12:45:05	Bright	49.000	90	54Alp Peg	2.4870	11000.	98	39213	No
124	GOM_NL__2PRFIN20090830_124915_000000412082_00081_39213_2298.N1	30-AUG-2009 12:49:15	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	39213	No
125	GOM_NL__2PRFIN20090830_131644_000000562082_00081_39213_2299.N1	30-AUG-2009 13:16:44	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	39213	No
126	GOM_NL__2PRFIN20090830_132020_000000492082_00081_39213_2300.N1	30-AUG-2009 13:20:20	Bright	49.000	107	37The Aur	2.6490	11000.	98	39213	No
127	GOM_NL__2PRFIN20090830_132523_000000542082_00081_39213_2301.N1	30-AUG-2009 13:25:23	Tw_i_and_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39213	No
128	GOM_NL__2PRFIN20090830_132707_000000502082_00081_39213_2302.N1	30-AUG-2009 13:27:07	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39213	No
129	GOM_NL__2PRFIN20090830_133134_000000642082_00081_39213_2303.N1	30-AUG-2009 13:31:34	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	39213	No
130	GOM_NL__2PRFIN20090830_133537_000000622082_00081_39213_2304.N1	30-AUG-2009 13:35:37	Dark	62.000	30	46Eps Ori	1.6940	30000.	124	39213	No
131	GOM_NL__2PRFIN20090830_133757_000000482082_00081_39213_2305.N1	30-AUG-2009 13:37:57	Dark	47.500	47	2Bet CMa	1.9760	28000.	95	39213	No
132	GOM_NL__2PRFIN20090830_134040_000000562082_00081_39213_2306.N1	30-AUG-2009 13:40:40	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39213	No
133	GOM_NL__2PRFIN20090830_135541_000000562082_00082_39214_2307.N1	30-AUG-2009 13:55:41	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39214	No
134	GOM_NL__2PRFIN20090830_140348_000000472082_00082_39214_2308.N1	30-AUG-2009 14:03:48	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39214	No
135	GOM_NL__2PRFIN20090830_141002_000000462082_00082_39214_2309.N1	30-AUG-2009 14:10:02	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39214	No
136	GOM_NL__2PRFIN20090830_141935_000000392082_00082_39214_2310.N1	30-AUG-2009 14:19:35	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39214	No
137	GOM_NL__2PRFIN20090830_142540_000000502082_00082_39214_2311.N1	30-AUG-2009 14:25:40	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39214	No
138	GOM_NL__2PRFIN20090830_142950_000000432082_00082_39214_2312.N1	30-AUG-2009 14:29:50	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	39214	No
139	GOM_NL__2PRFIN20090830_144035_000000442082_00082_39214_2313.N1	30-AUG-2009 14:40:35	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	39214	No
140	GOM_NL__2PRFIN20090830_144244_000000442082_00082_39214_2314.N1	30-AUG-2009 14:42:44	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39214	No
141	GOM_NL__2PRFIN20090830_145720_000000592082_00082_39214_2315.N1	30-AUG-2009 14:57:20	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39214	No
142	GOM_NL__2PRFIN20090830_150056_000000482082_00082_39214_2316.N1	30-AUG-2009 15:00:56	Bright	48.000	107	37The Aur	2.6490	11000.	96	39214	No
143	GOM_NL__2PRFIN20090830_150559_000000522082_00082_39214_2317.N1	30-AUG-2009 15:05:59	Tw_i_and_stray	52.000	151	13Mu Gem	2.8900	3000.0	104	39214	No
144	GOM_NL__2PRFIN20090830_150743_000000522082_00082_39214_2318.N1	30-AUG-2009 15:07:43	Tw_i_and_stray	51.500	44	24Gam Gem	1.9280	11000.	103	39214	No
145	GOM_NL__2PRFIN20090830_151211_000000652082_00082_39214_2319.N1	30-AUG-2009 15:12:11	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	39214	No
146	GOM_NL__2PRFIN20090830_151614_000000642082_00082_39214_2320.N1	30-AUG-2009 15:16:14	Dark	63.500	30	46Eps Ori	1.6940	30000.	127	39214	No
147	GOM_NL__2PRFIN20090830_151834_000000472082_00082_39214_2321.N1	30-AUG-2009 15:18:34	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39214	No
148	GOM_NL__2PRFIN20090830_152118_000000512082_00082_39214_2322.N1	30-AUG-2009 15:21:18	Dark	51.000	101	11Alp Lep	2.5820	7000.0	102	39214	No
149	GOM_NL__2PRFIN20090830_153618_000000532082_00083_39215_2321.N1	30-AUG-2009 15:36:18	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39215	No
150	GOM_NL__2PRFIN20090830_154425_000000562082_00083_39215_2322.N1	30-AUG-2009 15:44:25	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	39215	No
151	GOM_NL__2PRFIN20090830_155039_000000462082_00083_39215_2323.N1	30-AUG-2009 15:50:39	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	39215	No
152	GOM_NL__2PRFIN20090830_160011_000000392082_00083_39215_2324.N1	30-AUG-2009 16:00:11	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39215	No
153	GOM_NL__2PRFIN20090830_160615_000000482082_00083_39215_2325.N1	30-AUG-2009 16:06:15	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39215	No
154	GOM_NL__2PRFIN20090830_161026_000000652082_00083_39215_2326.N1	30-AUG-2009 16:10:26	Bright	65.000	164	44Eta Peg	2.9480	5400.0	130	39215	No
155	GOM_NL__2PRFIN20090830_162110_000000412082_00083_39215_2327.N1	30-AUG-2009 16:21:10	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39215	No
156	GOM_NL__2PRFIN20090830_162320_000000462082_00083_39215_2328.N1	30-AUG-2009 16:23:20	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39215	No
157	GOM_NL__2PRFIN20090830_163755_000000622082_00083_39215_2329.N1	30-AUG-2009 16:37:55	Bright	61.500	6	13Alp Aur	0.080000	3400.0	123	39215	No
158	GOM_NL__2PRFIN20090830_164132_000000462082_00083_39215_2330.N1	30-AUG-2009 16:41:32	Bright	45.500	107	37The Aur	2.6490	11000.	91	39215	No
159	GOM_NL__2PRFIN20090830_164635_000000542082_00083_39215_2331.N1	30-AUG-2009 16:46:35	Tw_i_and_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39215	No
160	GOM_NL__2PRFIN20090830_164820_000000502082_00083_39215_2332.N1	30-AUG-2009 16:48:20	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39215	No



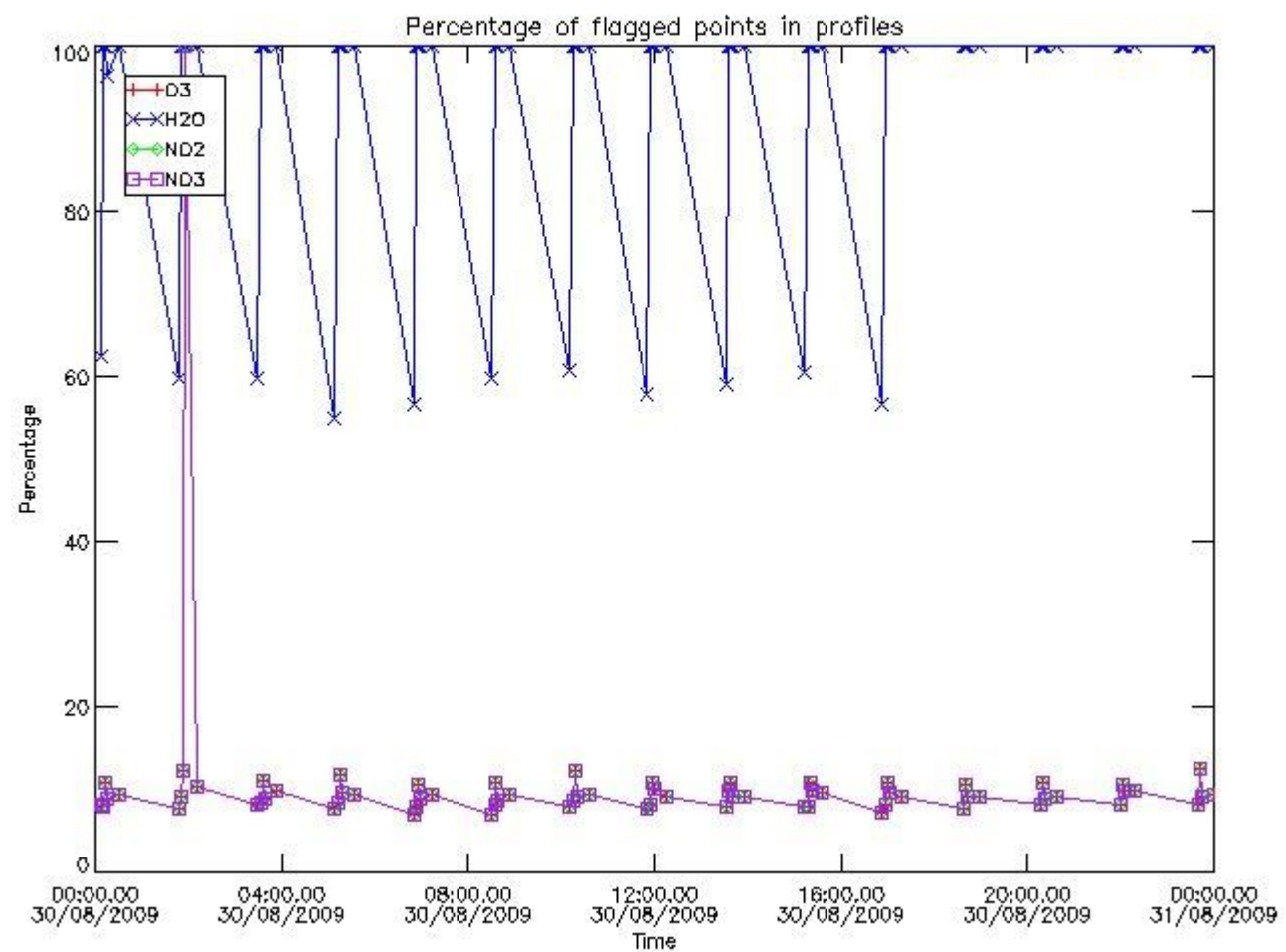
161	GOM_NL__2PRFIN20090830_165248_000000702082_00083_39215_2333.N1	30-AUG-2009 16:52:48	Dark	69.500	14	58Alp Ori	0.87000	3000.0	139	39215	No
162	GOM_NL__2PRFIN20090830_165651_000000632082_00083_39215_2334.N1	30-AUG-2009 16:56:51	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39215	No
163	GOM_NL__2PRFIN20090830_165911_000000472082_00083_39215_2335.N1	30-AUG-2009 16:59:11	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39215	No
164	GOM_NL__2PRFIN20090830_170155_000000542082_00083_39215_2336.N1	30-AUG-2009 17:01:55	Dark	53.500	101	11Alp Lep	2.5820	7000.0	107	39215	No
165	GOM_NL__2PRFIN20090830_171655_000000562082_00084_39216_2336.N1	30-AUG-2009 17:16:55	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39216	No
166	GOM_NL__2PRFIN20090830_172502_000000482082_00084_39216_2337.N1	30-AUG-2009 17:25:02	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	39216	No
167	GOM_NL__2PRFIN20090830_173115_000000472082_00084_39216_2338.N1	30-AUG-2009 17:31:15	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39216	No
168	GOM_NL__2PRFIN20090830_174047_000000392082_00084_39216_2339.N1	30-AUG-2009 17:40:47	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39216	No
169	GOM_NL__2PRFIN20090830_174651_000000482082_00084_39216_2340.N1	30-AUG-2009 17:46:51	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39216	No
170	GOM_NL__2PRFIN20090830_175101_000000442082_00084_39216_2341.N1	30-AUG-2009 17:51:01	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39216	No
171	GOM_NL__2PRFIN20090830_180146_000000462082_00084_39216_2342.N1	30-AUG-2009 18:01:46	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39216	No
172	GOM_NL__2PRFIN20090830_180355_000000472082_00084_39216_2343.N1	30-AUG-2009 18:03:55	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39216	No
173	GOM_NL__2PRFIN20090830_181831_000000572082_00084_39216_2344.N1	30-AUG-2009 18:18:31	Bright	56.500	6	13Alp Aur	0.080000	3400.0	113	39216	No
174	GOM_NL__2PRFIN20090830_182208_000000432082_00084_39216_2345.N1	30-AUG-2009 18:22:08	Bright	43.000	107	37The Aur	2.6490	11000.	86	39216	No
175	GOM_NL__2PRFIN20090830_182711_000000572082_00084_39216_2346.N1	30-AUG-2009 18:27:11	Tw_i_and_stray	56.500	151	13Mu Gem	2.8900	3000.0	113	39216	No
176	GOM_NL__2PRFIN20090830_182856_000000502082_00084_39216_2347.N1	30-AUG-2009 18:28:56	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39216	No
177	GOM_NL__2PRFIN20090830_183728_000000662082_00084_39216_2348.N1	30-AUG-2009 18:37:28	Dark	66.000	30	46Eps Ori	1.6940	30000.	132	39216	No
178	GOM_NL__2PRFIN20090830_183947_000000482082_00084_39216_2349.N1	30-AUG-2009 18:39:47	Dark	48.000	47	2Bet CMa	1.9760	28000.	96	39216	No
179	GOM_NL__2PRFIN20090830_184232_000000562082_00084_39216_2350.N1	30-AUG-2009 18:42:32	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39216	No
180	GOM_NL__2PRFIN20090830_185732_000000552082_00085_39217_2353.N1	30-AUG-2009 18:57:32	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39217	No
181	GOM_NL__2PRFIN20090830_190538_000000542082_00085_39217_2354.N1	30-AUG-2009 19:05:38	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	39217	No
182	GOM_NL__2PRFIN20090830_191151_000000472082_00085_39217_2355.N1	30-AUG-2009 19:11:51	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39217	No
183	GOM_NL__2PRFIN20090830_192123_000000392082_00085_39217_2356.N1	30-AUG-2009 19:21:23	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39217	No
184	GOM_NL__2PRFIN20090830_192726_000000482082_00085_39217_2357.N1	30-AUG-2009 19:27:26	Bright	47.500	90	54Alp Peg	2.4870	11000.	95	39217	No
185	GOM_NL__2PRFIN20090830_193137_000000432082_00085_39217_2358.N1	30-AUG-2009 19:31:37	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39217	No
186	GOM_NL__2PRFIN20090830_194221_000000452082_00085_39217_2359.N1	30-AUG-2009 19:42:21	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	39217	No
187	GOM_NL__2PRFIN20090830_194430_000000472082_00085_39217_2360.N1	30-AUG-2009 19:44:30	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39217	No
188	GOM_NL__2PRFIN20090830_195907_000000572082_00085_39217_2361.N1	30-AUG-2009 19:59:07	Bright	56.500	6	13Alp Aur	0.080000	3400.0	113	39217	No
189	GOM_NL__2PRFIN20090830_200244_000000452082_00085_39217_2362.N1	30-AUG-2009 20:02:44	Bright	45.000	107	37The Aur	2.6490	11000.	90	39217	No
190	GOM_NL__2PRFIN20090830_200748_000000602082_00085_39217_2363.N1	30-AUG-2009 20:07:48	Tw_i_and_stray	59.500	151	13Mu Gem	2.8900	3000.0	119	39217	No
191	GOM_NL__2PRFIN20090830_200932_000000492082_00085_39217_2364.N1	30-AUG-2009 20:09:32	Tw_i_and_stray	49.000	44	24Gam Gem	1.9280	11000.	98	39217	No
192	GOM_NL__2PRFIN20090830_201805_000000622082_00085_39217_2365.N1	30-AUG-2009 20:18:05	Dark	62.000	30	46Eps Ori	1.6940	30000.	124	39217	No
193	GOM_NL__2PRFIN20090830_202024_000000482082_00085_39217_2366.N1	30-AUG-2009 20:20:24	Dark	47.500	47	2Bet CMa	1.9760	28000.	95	39217	No
194	GOM_NL__2PRFIN20090830_202309_000000572082_00085_39217_2367.N1	30-AUG-2009 20:23:09	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39217	No
195	GOM_NL__2PRFIN20090830_203809_000000562082_00086_39218_2363.N1	30-AUG-2009 20:38:09	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39218	No
196	GOM_NL__2PRFIN20090830_204614_000000482082_00086_39218_2364.N1	30-AUG-2009 20:46:14	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	39218	No
197	GOM_NL__2PRFIN20090830_205227_000000472082_00086_39218_2365.N1	30-AUG-2009 20:52:27	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39218	No
198	GOM_NL__2PRFIN20090830_210159_000000392082_00086_39218_2366.N1	30-AUG-2009 21:01:59	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39218	No
199	GOM_NL__2PRFIN20090830_210802_000000482082_00086_39218_2367.N1	30-AUG-2009 21:08:02	Bright	47.500	90	54Alp Peg	2.4870	11000.	95	39218	No
200	GOM_NL__2PRFIN20090830_211212_000000432082_00086_39218_2368.N1	30-AUG-2009 21:12:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39218	No
201	GOM_NL__2PRFIN20090830_212256_000000452082_00086_39218_2369.N1	30-AUG-2009 21:22:56	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39218	No
202	GOM_NL__2PRFIN20090830_212505_000000452082_00086_39218_2370.N1	30-AUG-2009 21:25:05	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39218	No
203	GOM_NL__2PRFIN20090830_213942_000000552082_00086_39218_2371.N1	30-AUG-2009 21:39:42	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	39218	No
204	GOM_NL__2PRFIN20090830_214320_000000492082_00086_39218_2372.N1	30-AUG-2009 21:43:20	Bright	48.500	107	37The Aur	2.6490	11000.	97	39218	No
205	GOM_NL__2PRFIN20090830_214824_000000552082_00086_39218_2373.N1	30-AUG-2009 21:48:24	Tw_i_and_stray	54.500	151	13Mu Gem	2.8900	3000.0	109	39218	No
206	GOM_NL__2PRFIN20090830_215009_000000472082_00086_39218_2374.N1	30-AUG-2009 21:50:09	Tw_i_and_stray	47.000	44	24Gam Gem	1.9280	11000.	94	39218	No
207	GOM_NL__2PRFIN20090830_215842_000000632082_00086_39218_2375.N1	30-AUG-2009 21:58:42	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39218	No
208	GOM_NL__2PRFIN20090830_220101_000000492082_00086_39218_2376.N1	30-AUG-2009 22:01:01	Dark	48.500	47	2Bet CMa	1.9760	28000.	97	39218	No
209	GOM_NL__2PRFIN20090830_220346_000000522082_00086_39218_2377.N1	30-AUG-2009 22:03:46	Dark	51.500	101	11Alp Lep	2.5820	7000.0	103	39218	No
210	GOM_NL__2PRFIN20090830_221847_000000562082_00087_39219_2388.N1	30-AUG-2009 22:18:47	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39219	No
211	GOM_NL__2PRFIN20090830_222651_000000542082_00087_39219_2389.N1	30-AUG-2009 22:26:51	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	39219	No
212	GOM_NL__2PRFIN20090830_223303_000000462082_00087_39219_2390.N1	30-AUG-2009 22:33:03	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39219	No
213	GOM_NL__2PRFIN20090830_224234_000000392082_00087_39219_2391.N1	30-AUG-2009 22:42:34	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39219	No
214	GOM_NL__2PRFIN20090830_224837_000000472082_00087_39219_2392.N1	30-AUG-2009 22:48:37	Bright	47.000	90	54Alp Peg	2.4870	11000.	94	39219	No
215	GOM_NL__2PRFIN20090830_225247_000000442082_00087_39219_2393.N1	30-AUG-2009 22:52:47	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39219	No
216	GOM_NL__2PRFIN20090830_230331_000000452082_00087_39219_2394.N1	30-AUG-2009 23:03:31	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39219	No
217	GOM_NL__2PRFIN20090830_230541_000000452082_00087_39219_2395.N1	30-AUG-2009 23:05:41	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39219	No
218	GOM_NL__2PRFIN20090830_232018_000000592082_00087_39219_2396.N1	30-AUG-2009 23:20:18	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	39219	No
219	GOM_NL__2PRFIN20090830_232356_000000472082_00087_39219_2397.N1	30-AUG-2009 23:23:56	Bright	47.000	107	37The Aur	2.6490	11000.	94	39219	No

220	GOM_NL__2PRFIN20090830_232900_000000542082_00087_39219_2398.N1	30-AUG-2009 23:29:00	Twilight_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39219	No
221	GOM_NL__2PRFIN20090830_233045_000000482082_00087_39219_2399.N1	30-AUG-2009 23:30:45	Twilight_stray	47.500	44	24Gam Gem	1.9280	11000.	95	39219	No
222	GOM_NL__2PRFIN20090830_233919_000000632082_00087_39219_2400.N1	30-AUG-2009 23:39:19	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39219	No
223	GOM_NL__2PRFIN20090830_234137_000000452082_00087_39219_2401.N1	30-AUG-2009 23:41:37	Dark	44.500	47	2Bet CMa	1.9760	28000.	89	39219	No
224	GOM_NL__2PRFIN20090830_234423_000000562082_00087_39219_2402.N1	30-AUG-2009 23:44:23	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39219	No
225	GOM_NL__2PRFIN20090830_235923_000000542082_00088_39220_2406.N1	30-AUG-2009 23:59:23	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39220	No

### 3. Quality information per product

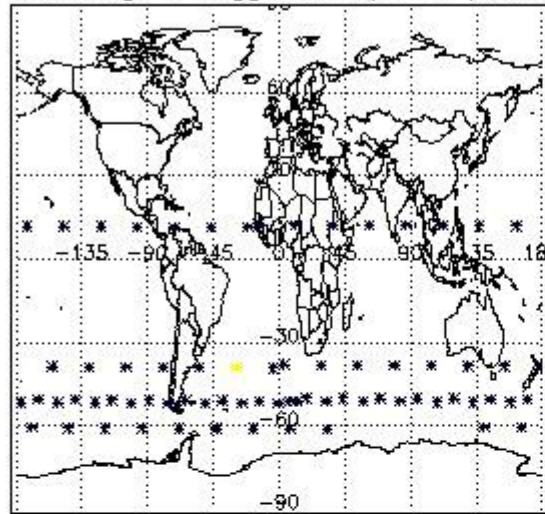
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

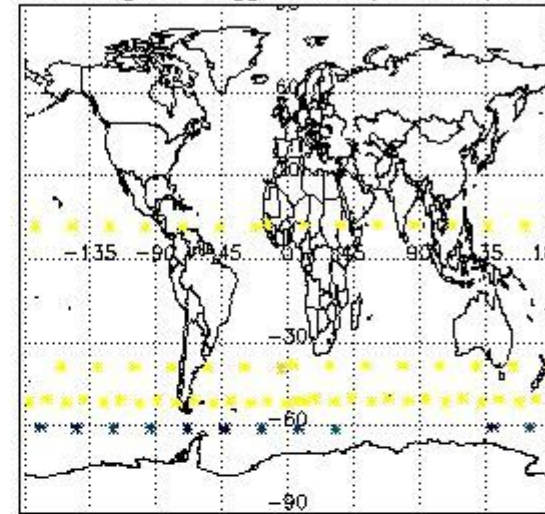


#### 3.2 Plot quality information per product (world map)

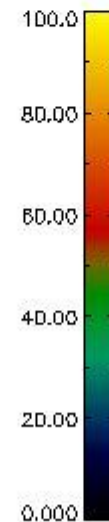
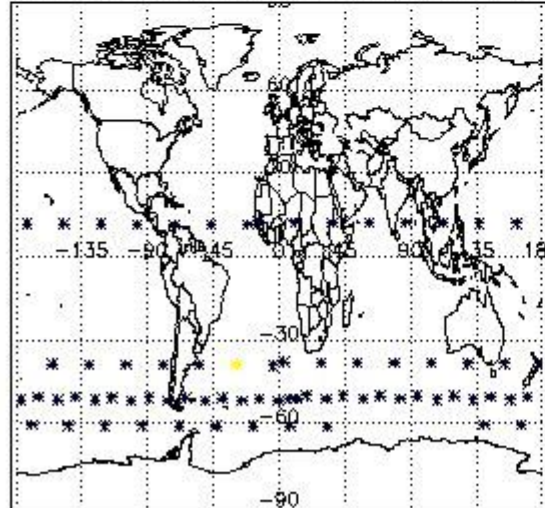
Percentage of flagged data per O3 profile



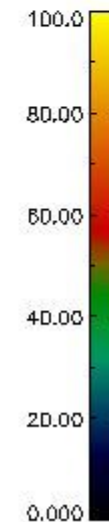
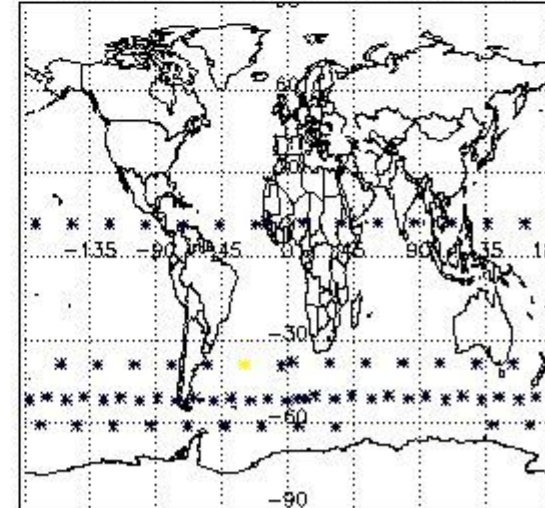
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



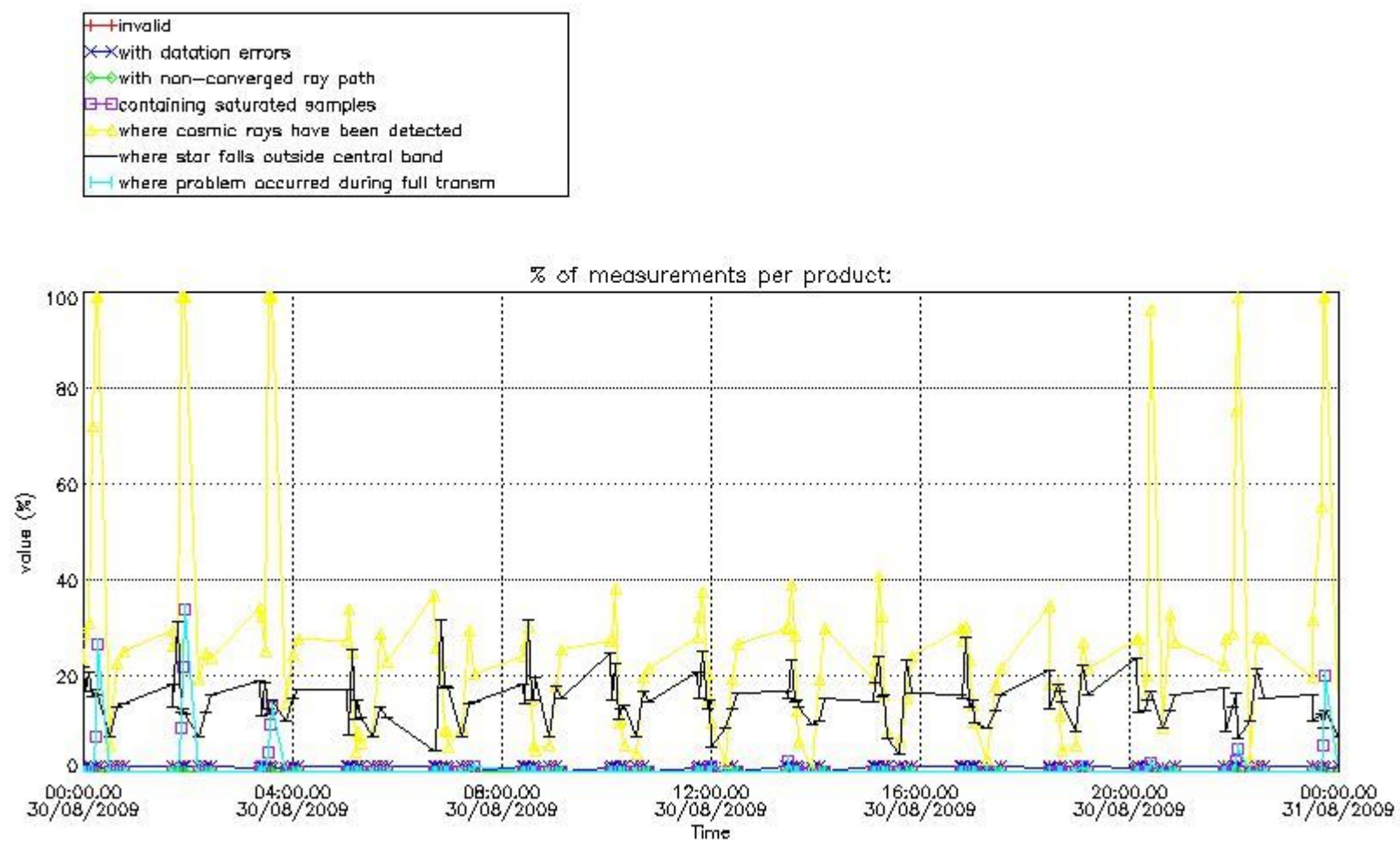
#### 4. Level 1 quality information per product

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

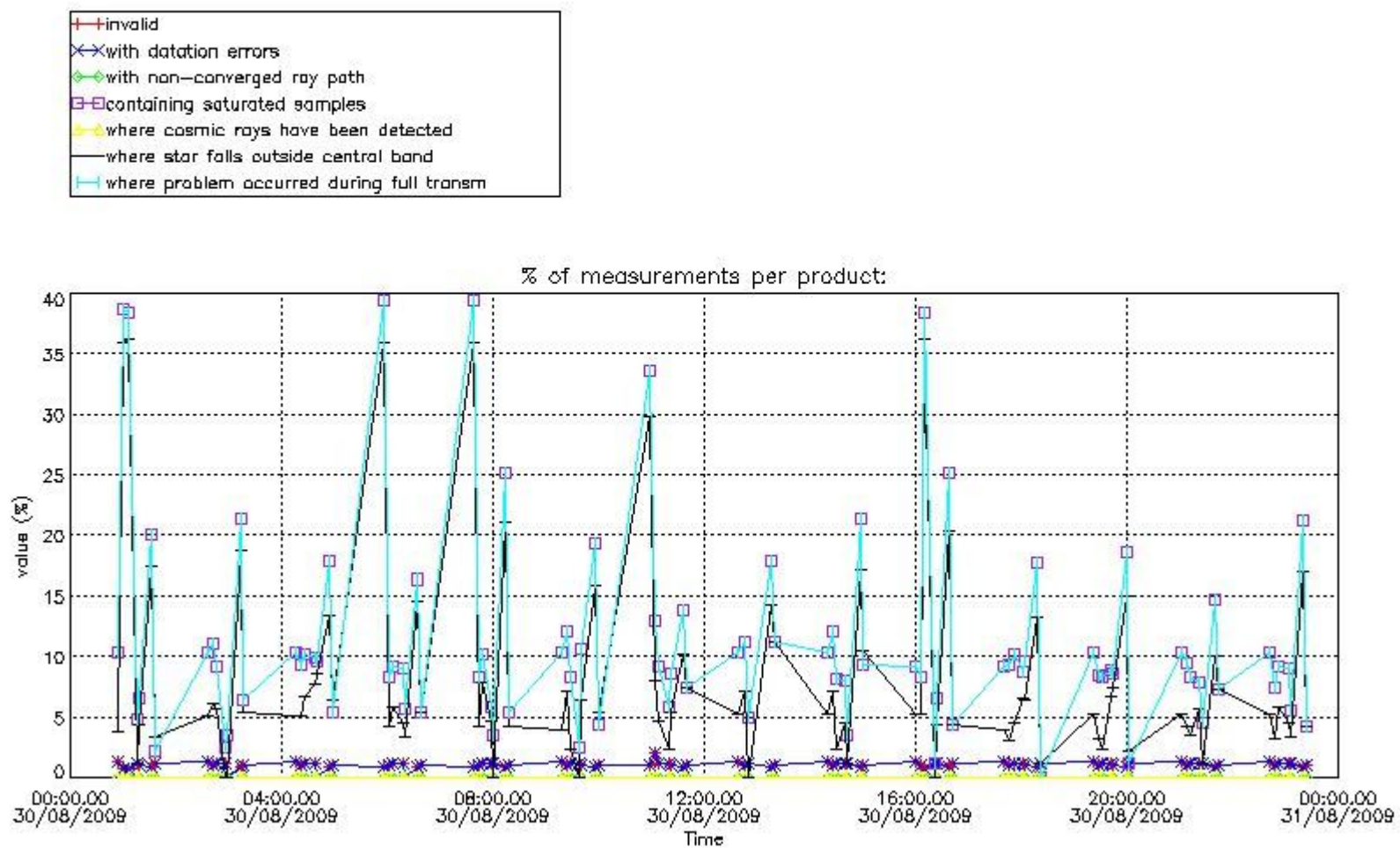
##### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





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

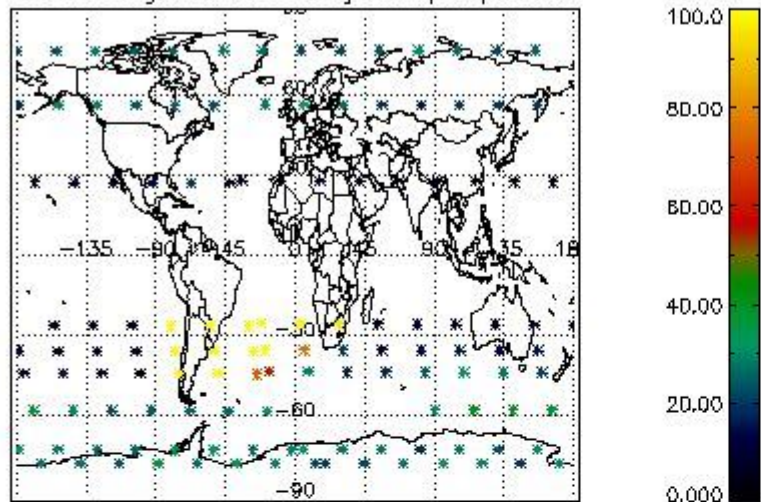




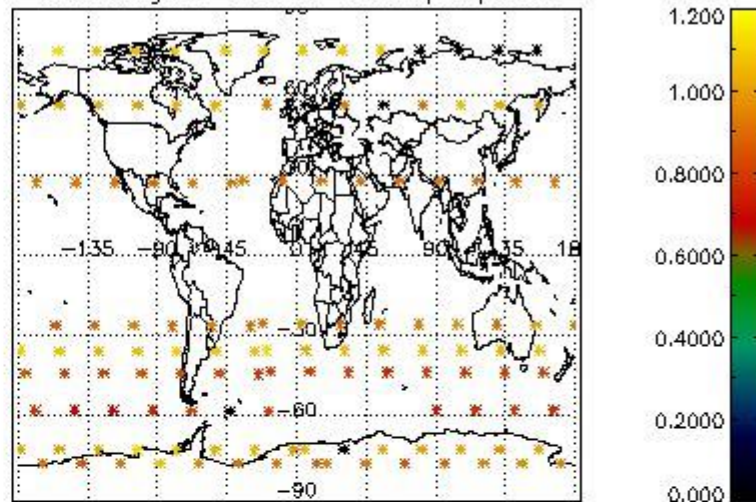
4.2 Plot quality information per product coming from level 1b processing (world map)

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

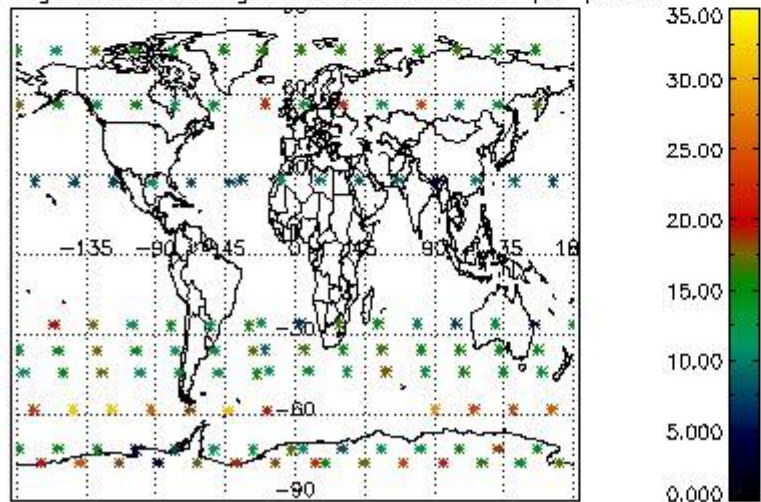
Percentage of cosmic ray hits per profile



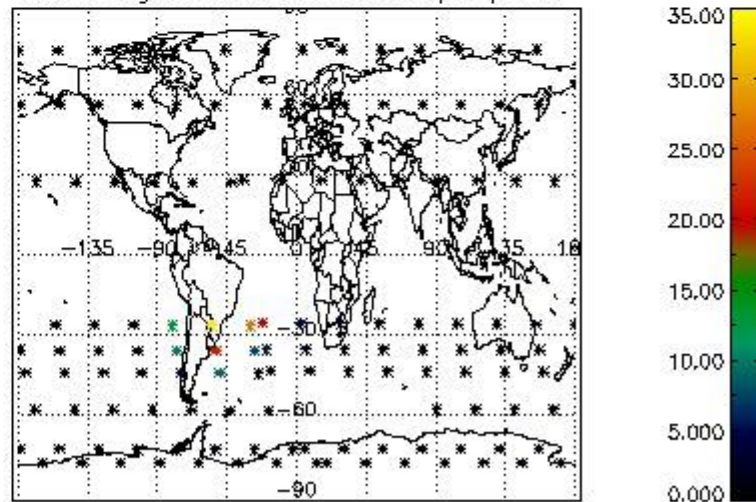
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

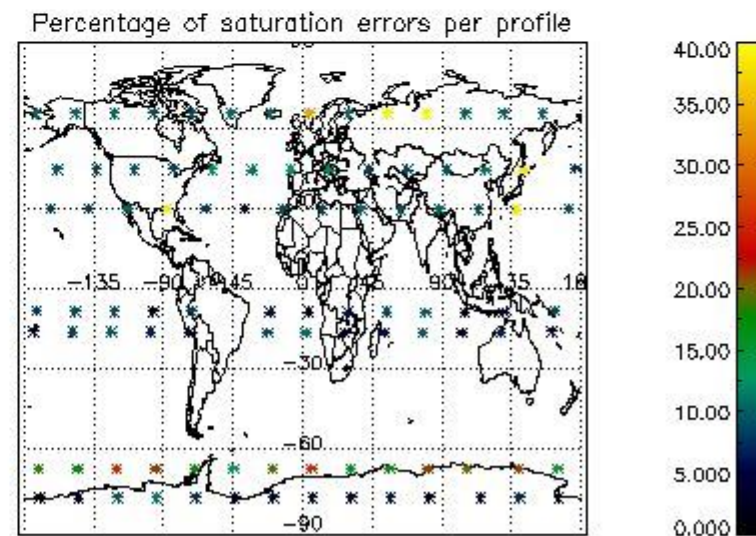
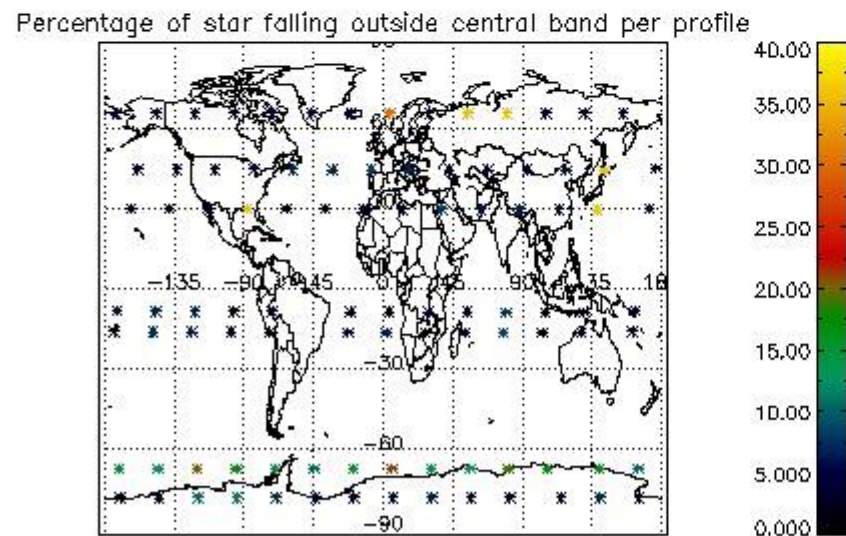
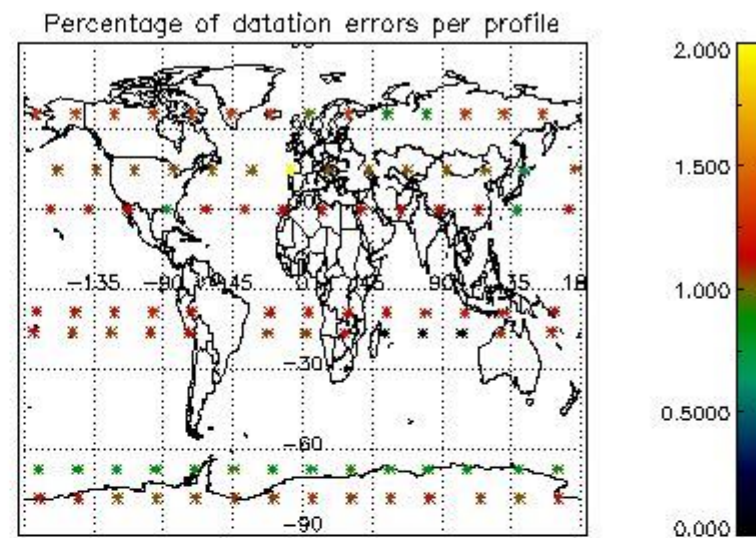
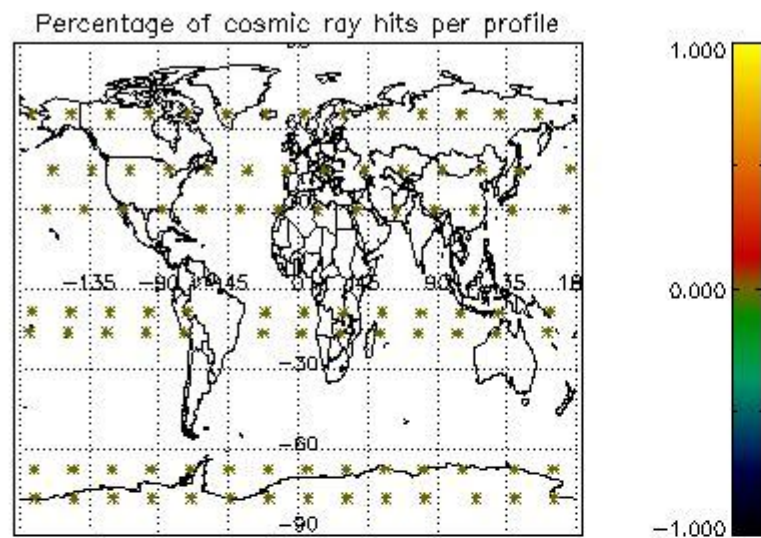


Percentage of saturation errors per profile



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.

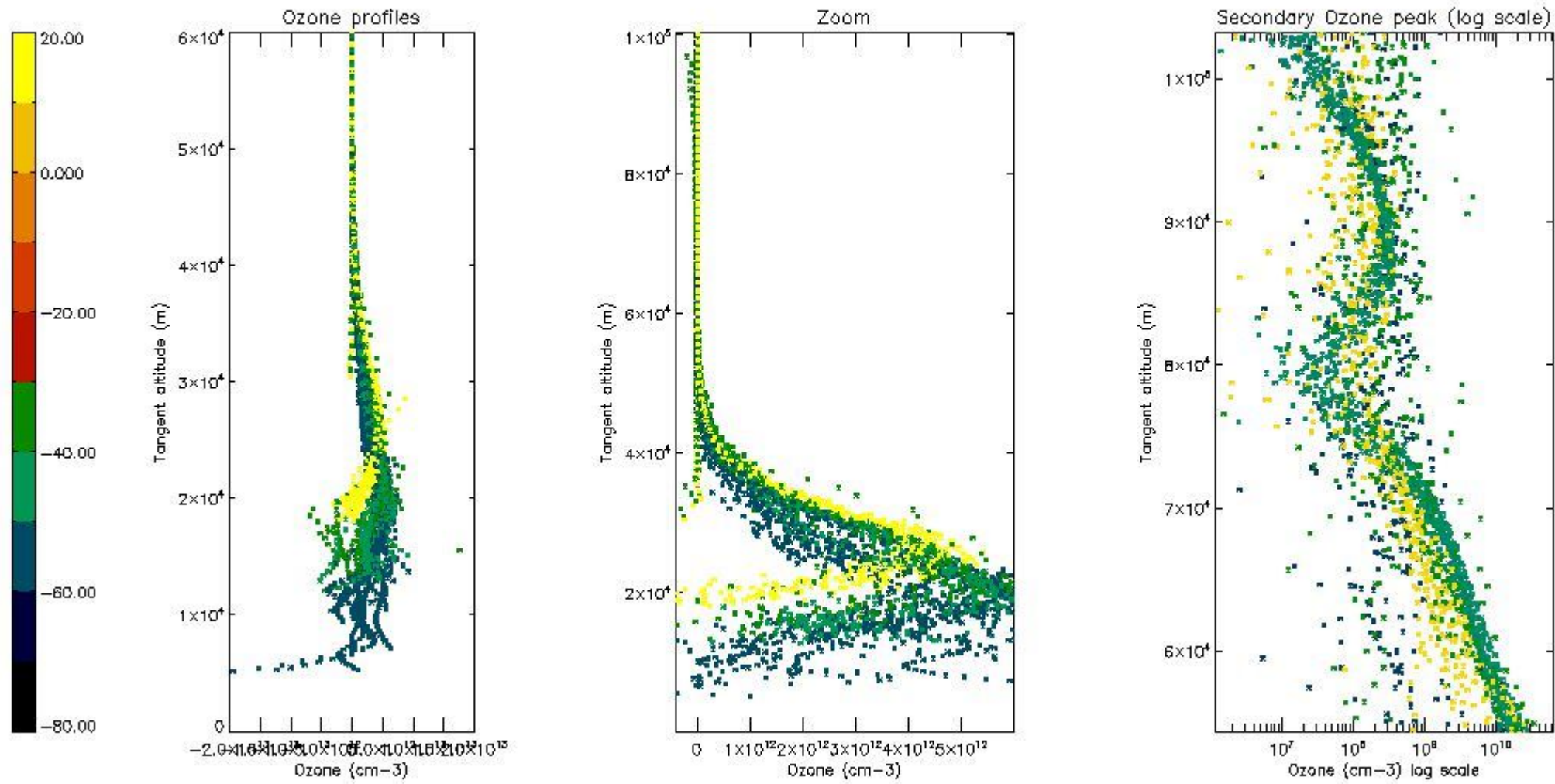
Criteria	% of total production
All STD	36
STD < 20	18



STD < 10	14
STD < 5	8

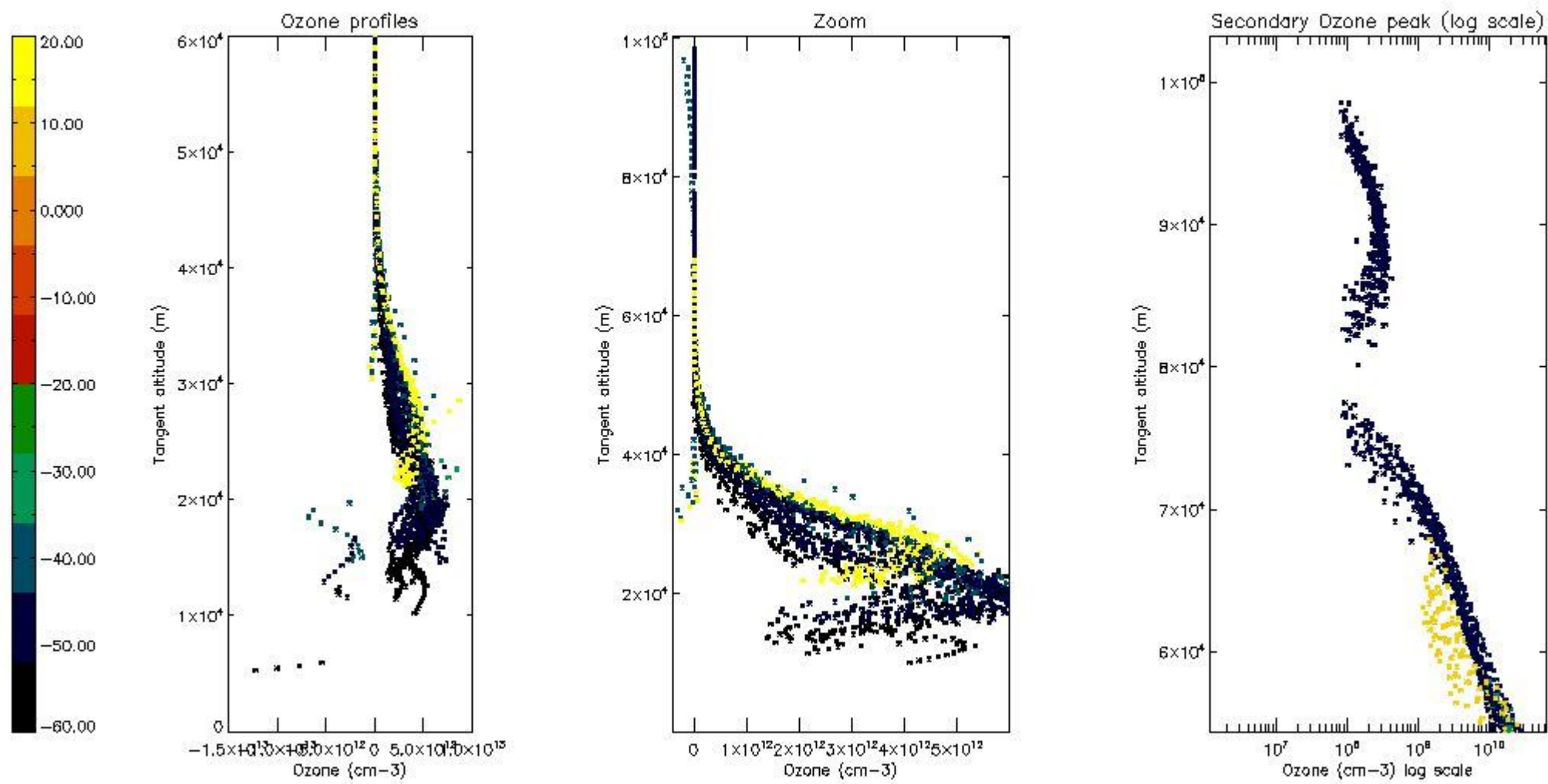
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



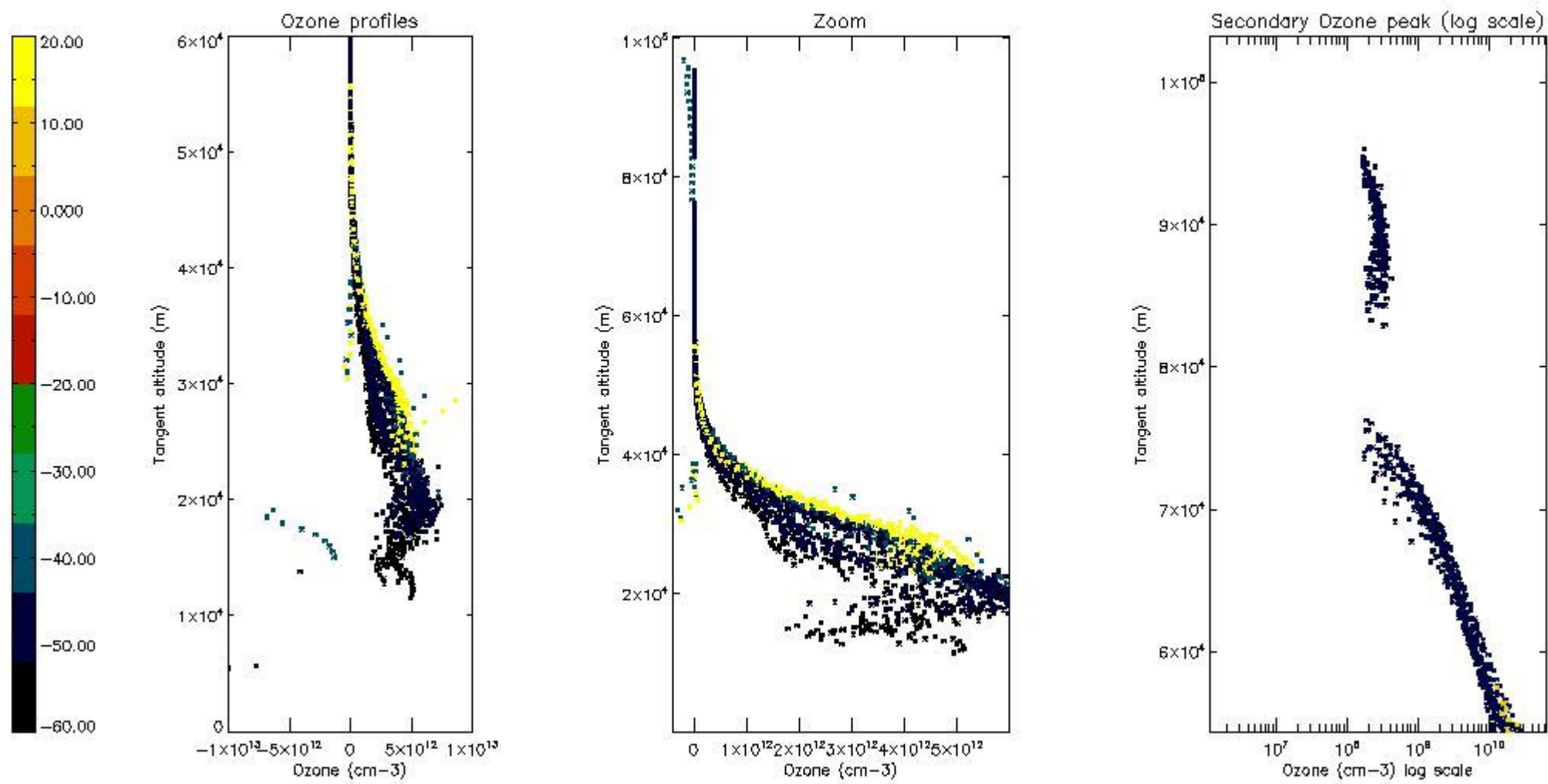
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

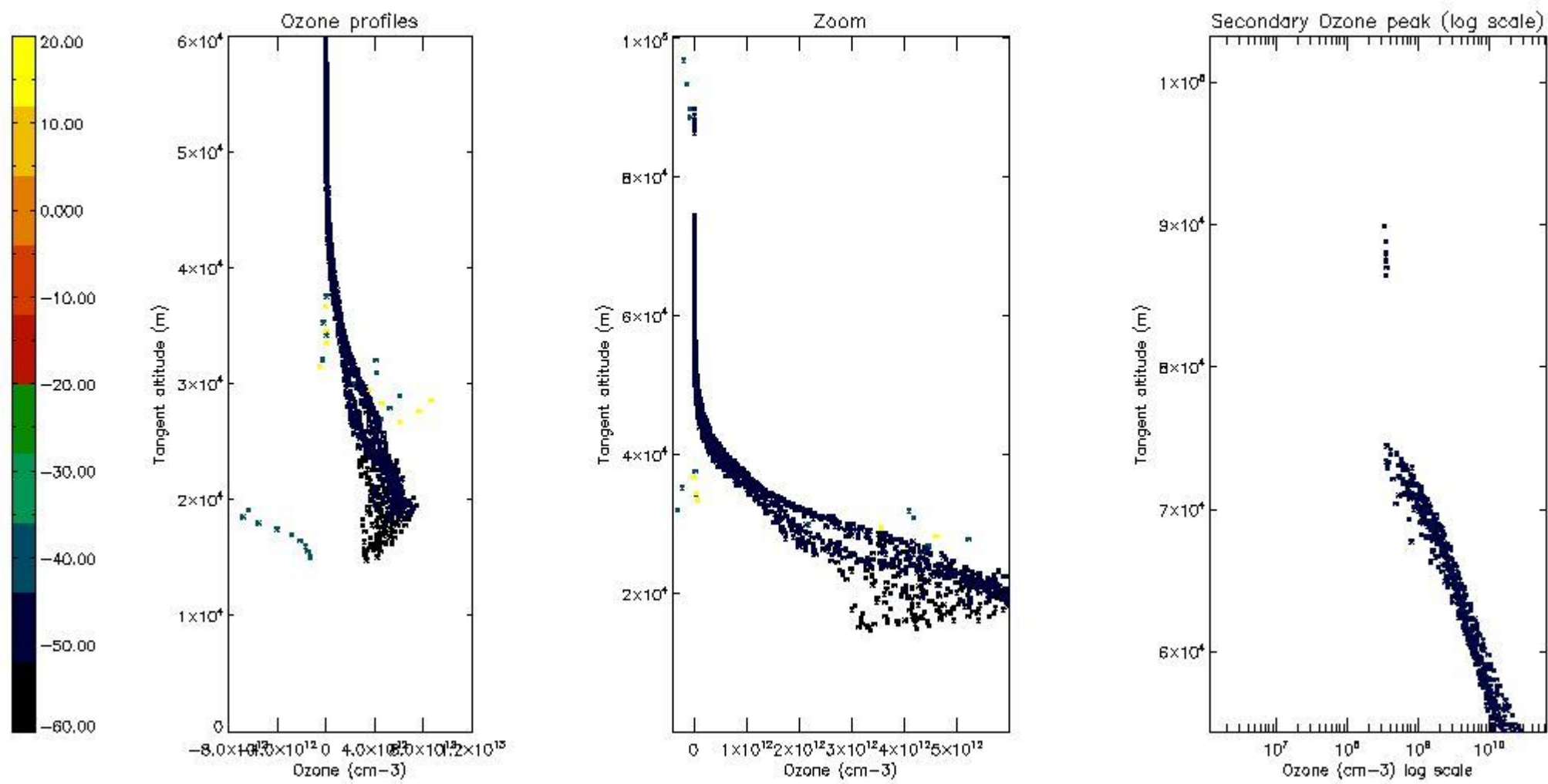
The colorbar represents the latitude.



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

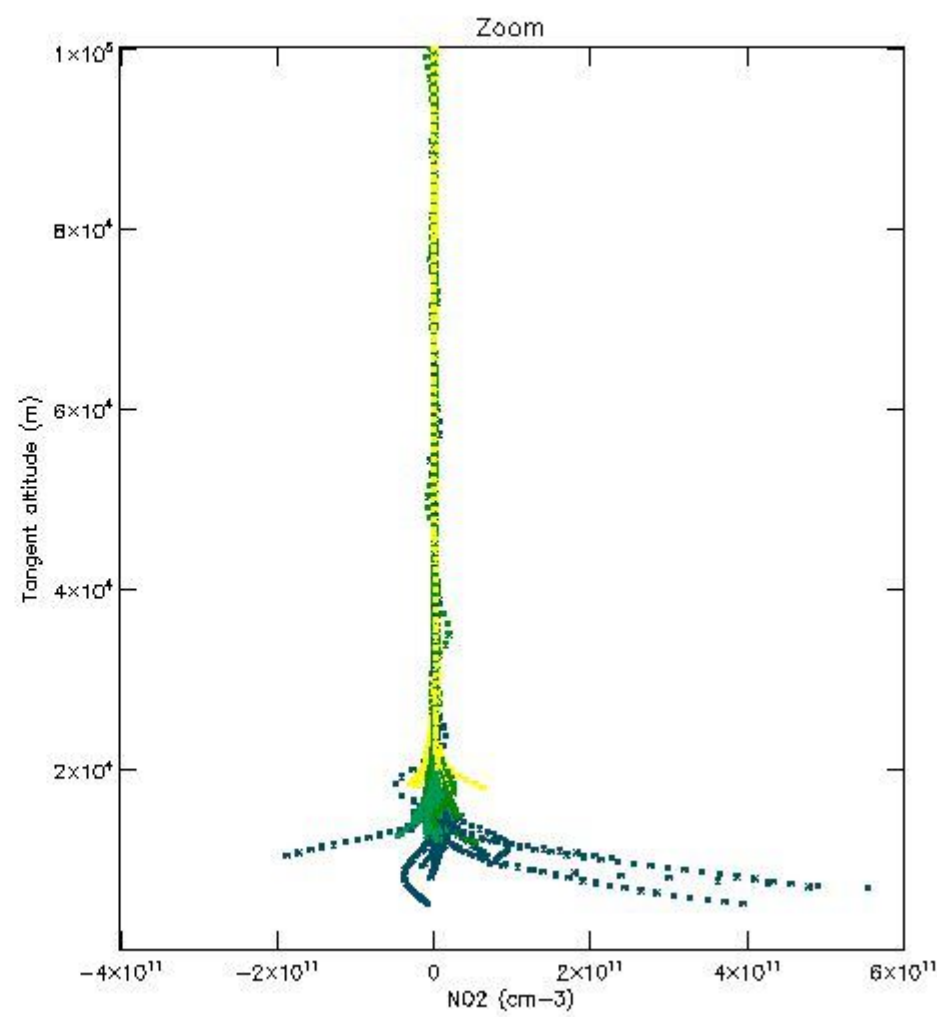
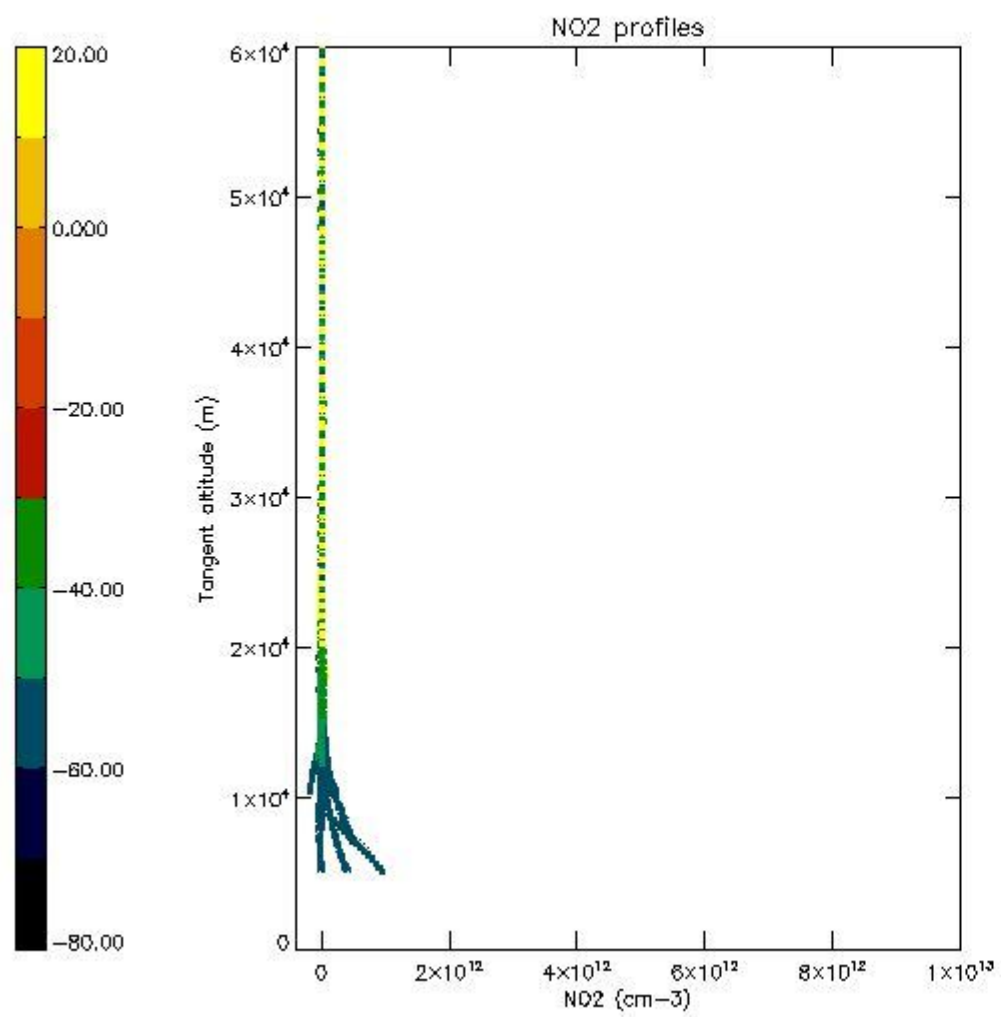
The colorbar represents the latitude.





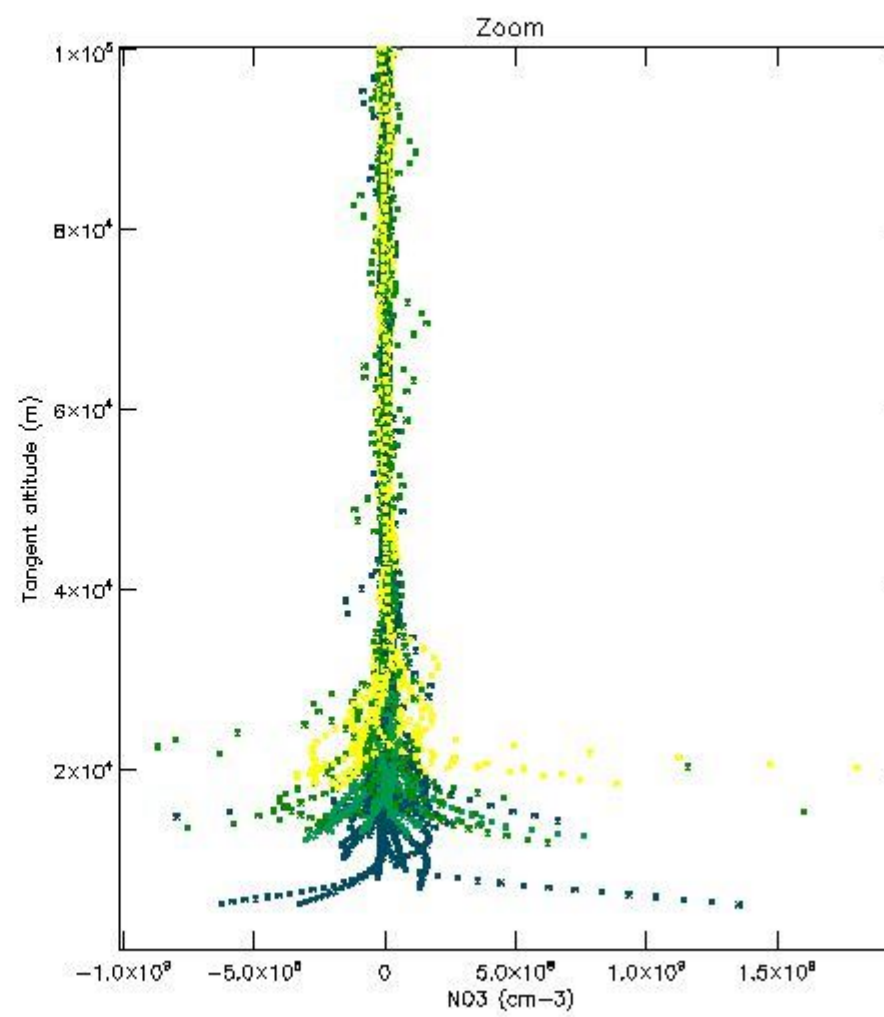
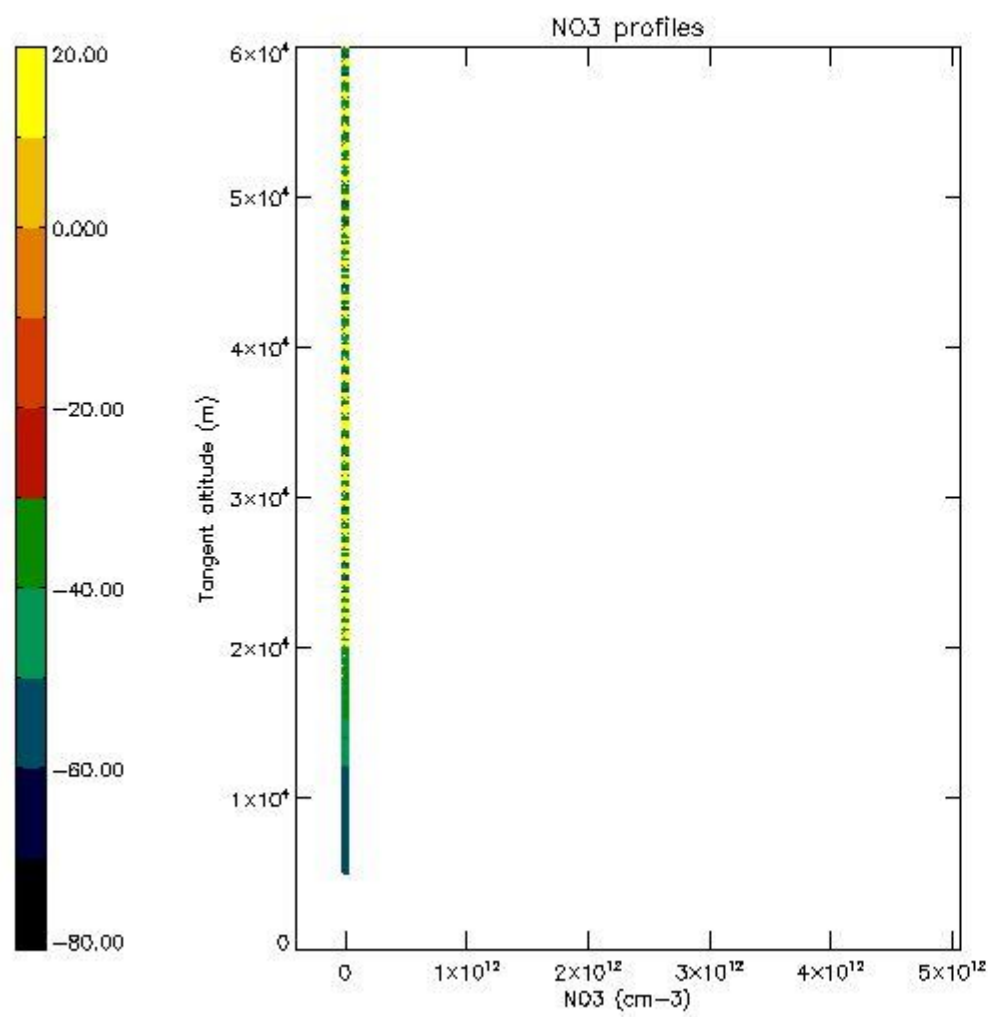
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

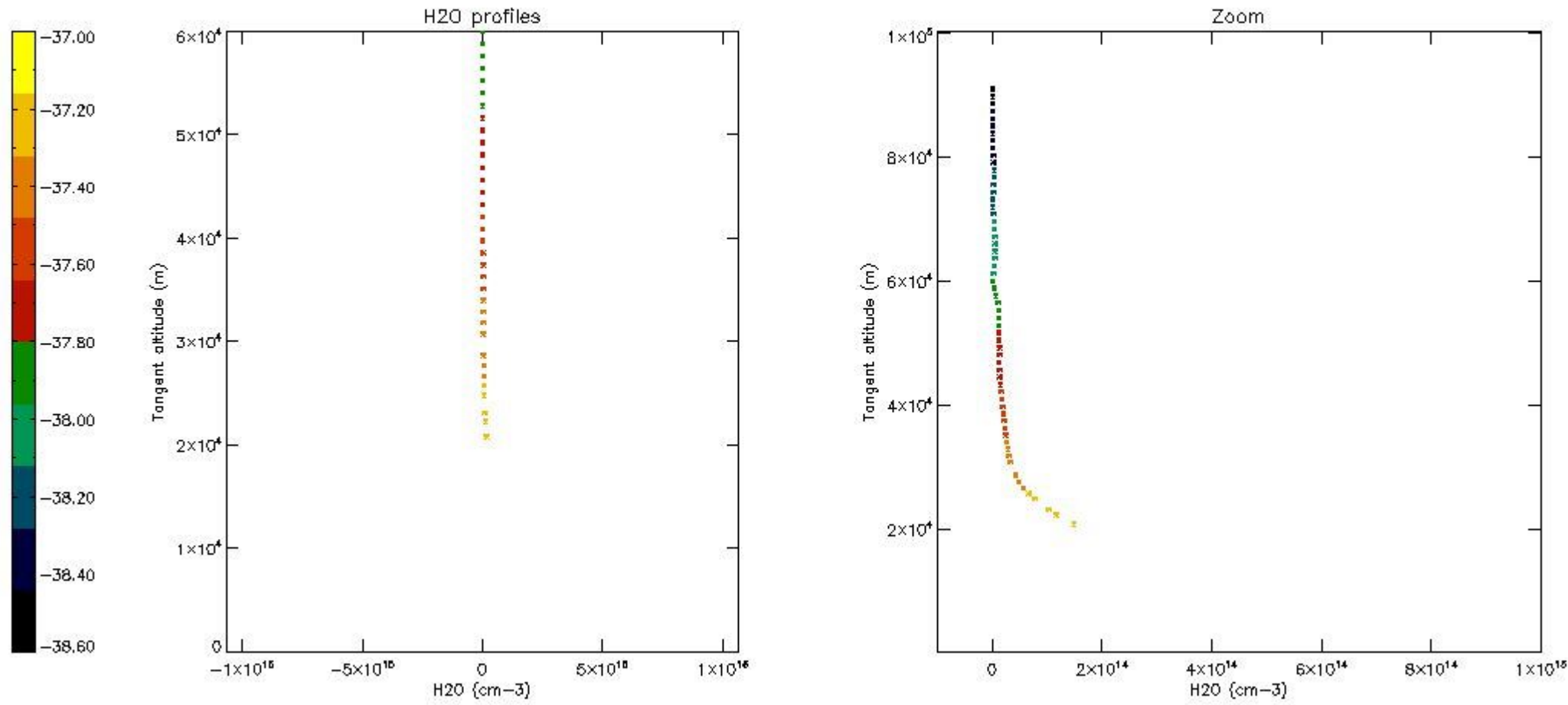
The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-AUG-2009 00:00:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-AUG-2009 00:00:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-AUG-2009 00:00:33

# 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 12:19:42
Data source version	GOMOS/6.01
Start time of products	30-08-2009 (30AUG2009 00:00:00)
Stop time of products	31-08-2009 (31AUG2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	225
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__2PRFIN20090830_000033_00000582082_00073_39205_2150.N1	30-AUG-2009 00:00:33	Twilight	57.500	151	13Mu Gem	2.8900	3000.0	115	39205	No
2	GOM_NL__2PRFIN20090830_000216_00000512082_00073_39205_2151.N1	30-AUG-2009 00:02:16	Twilight	50.500	44	24Gam Gem	1.9280	11000.	101	39205	No
3	GOM_NL__2PRFIN20090830_000641_00000632082_00073_39205_2152.N1	30-AUG-2009 00:06:41	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	39205	No
4	GOM_NL__2PRFIN20090830_001041_00000642082_00073_39205_2153.N1	30-AUG-2009 00:10:41	Dark	64.000	30	46Eps Ori	1.6940	30000.	128	39205	No
5	GOM_NL__2PRFIN20090830_001305_00000472082_00073_39205_2154.N1	30-AUG-2009 00:13:05	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39205	No
6	GOM_NL__2PRFIN20090830_001544_00000572082_00073_39205_2155.N1	30-AUG-2009 00:15:44	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39205	No
7	GOM_NL__2PRFIN20090830_003044_00000552082_00074_39206_2173.N1	30-AUG-2009 00:30:44	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39206	No
8	GOM_NL__2PRFIN20090830_003856_00000492082_00074_39206_2174.N1	30-AUG-2009 00:38:56	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39206	No
9	GOM_NL__2PRFIN20090830_004513_00000462082_00074_39206_2175.N1	30-AUG-2009 00:45:13	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	39206	No
10	GOM_NL__2PRFIN20090830_005448_00000392082_00074_39206_2176.N1	30-AUG-2009 00:54:48	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39206	No
11	GOM_NL__2PRFIN20090830_010057_00000732082_00074_39206_2177.N1	30-AUG-2009 01:00:57	Bright	72.500	90	54Alp Peg	2.4870	11000.	145	39206	No
12	GOM_NL__2PRFIN20090830_010507_00000652082_00074_39206_2178.N1	30-AUG-2009 01:05:07	Bright	65.000	164	44Eta Peg	2.9480	5400.0	130	39206	No
13	GOM_NL__2PRFIN20090830_011553_00000422082_00074_39206_2179.N1	30-AUG-2009 01:15:53	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39206	No
14	GOM_NL__2PRFIN20090830_011803_00000462082_00074_39206_2180.N1	30-AUG-2009 01:18:03	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	39206	No
15	GOM_NL__2PRFIN20090830_013234_00000582082_00074_39206_2181.N1	30-AUG-2009 01:32:34	Bright	57.500	6	13Alp Aur	0.080000	3400.0	115	39206	No
16	GOM_NL__2PRFIN20090830_013609_00000452082_00074_39206_2182.N1	30-AUG-2009 01:36:09	Bright	45.000	107	37The Aur	2.6490	11000.	90	39206	No
17	GOM_NL__2PRFIN20090830_014109_00000552082_00074_39206_2183.N1	30-AUG-2009 01:41:09	Twilight	54.500	151	13Mu Gem	2.8900	3000.0	109	39206	No
18	GOM_NL__2PRFIN20090830_014253_00000482082_00074_39206_2184.N1	30-AUG-2009 01:42:53	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39206	No
19	GOM_NL__2PRFIN20090830_014717_00000722082_00074_39206_2185.N1	30-AUG-2009 01:47:17	Dark	72.000	14	58Alp Ori	0.87000	3000.0	144	39206	No
20	GOM_NL__2PRFIN20090830_015118_00000612082_00074_39206_2186.N1	30-AUG-2009 01:51:18	Dark	60.500	30	46Eps Ori	1.6940	30000.	121	39206	No
21	GOM_NL__2PRFIN20090830_015341_00000462082_00074_39206_2187.N1	30-AUG-2009 01:53:41	Dark	46.000	47	2Bet CMa	1.9760	28000.	92	39206	No
22	GOM_NL__2PRFIN20090830_015621_00000542082_00074_39206_2188.N1	30-AUG-2009 01:56:21	Dark	53.500	101	11Alp Lep	2.5820	7000.0	107	39206	No
23	GOM_NL__2PRFIN20090830_021121_00000542082_00075_39207_2188.N1	30-AUG-2009 02:11:21	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39207	No
24	GOM_NL__2PRFIN20090830_021933_00000492082_00075_39207_2189.N1	30-AUG-2009 02:19:33	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39207	No
25	GOM_NL__2PRFIN20090830_022549_00000472082_00075_39207_2190.N1	30-AUG-2009 02:25:49	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39207	No
26	GOM_NL__2PRFIN20090830_023524_00000392082_00075_39207_2191.N1	30-AUG-2009 02:35:24	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39207	No
27	GOM_NL__2PRFIN20090830_024133_00000502082_00075_39207_2192.N1	30-AUG-2009 02:41:33	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39207	No
28	GOM_NL__2PRFIN20090830_024543_00000442082_00075_39207_2193.N1	30-AUG-2009 02:45:43	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39207	No
29	GOM_NL__2PRFIN20090830_025628_00000412082_00075_39207_2194.N1	30-AUG-2009 02:56:28	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39207	No
30	GOM_NL__2PRFIN20090830_025838_00000432082_00075_39207_2195.N1	30-AUG-2009 02:58:38	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39207	No
31	GOM_NL__2PRFIN20090830_031310_00000592082_00075_39207_2196.N1	30-AUG-2009 03:13:10	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39207	No
32	GOM_NL__2PRFIN20090830_031645_00000472082_00075_39207_2197.N1	30-AUG-2009 03:16:45	Bright	47.000	107	37The Aur	2.6490	11000.	94	39207	No
33	GOM_NL__2PRFIN20090830_032145_00000562082_00075_39207_2198.N1	30-AUG-2009 03:21:45	Twilight	55.500	151	13Mu Gem	2.8900	3000.0	111	39207	No
34	GOM_NL__2PRFIN20090830_032329_00000482082_00075_39207_2199.N1	30-AUG-2009 03:23:29	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39207	No
35	GOM_NL__2PRFIN20090830_032754_00000622082_00075_39207_2200.N1	30-AUG-2009 03:27:54	Dark	61.500	14	58Alp Ori	0.87000	3000.0	123	39207	No
36	GOM_NL__2PRFIN20090830_033155_00000612082_00075_39207_2201.N1	30-AUG-2009 03:31:55	Dark	60.500	30	46Eps Ori	1.6940	30000.	121	39207	No
37	GOM_NL__2PRFIN20090830_033417_00000462082_00075_39207_2202.N1	30-AUG-2009 03:34:17	Dark	45.500	47	2Bet CMa	1.9760	28000.	91	39207	No
38	GOM_NL__2PRFIN20090830_033658_00000572082_00075_39207_2203.N1	30-AUG-2009 03:36:58	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39207	No
39	GOM_NL__2PRFIN20090830_035158_00000562082_00076_39208_2200.N1	30-AUG-2009 03:51:58	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39208	No
40	GOM_NL__2PRFIN20090830_040009_00000502082_00076_39208_2201.N1	30-AUG-2009 04:00:09	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	39208	No
41	GOM_NL__2PRFIN20090830_040625_00000472082_00076_39208_2202.N1	30-AUG-2009 04:06:25	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	39208	No
42	GOM_NL__2PRFIN20090830_041600_00000392082_00076_39208_2203.N1	30-AUG-2009 04:16:00	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	39208	No



43	GOM_NL__2PRFIN20090830_042208_000000492082_00076_39208_2204.N1	30-AUG-2009 04:22:08	Bright	48.500	90	54Alp Peg	2.4870	11000.	97	39208	No
44	GOM_NL__2PRFIN20090830_042618_000000452082_00076_39208_2205.N1	30-AUG-2009 04:26:18	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39208	No
45	GOM_NL__2PRFIN20090830_043704_000000462082_00076_39208_2206.N1	30-AUG-2009 04:37:04	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39208	No
46	GOM_NL__2PRFIN20090830_043913_000000472082_00076_39208_2207.N1	30-AUG-2009 04:39:13	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39208	No
47	GOM_NL__2PRFIN20090830_045346_000000562082_00076_39208_2208.N1	30-AUG-2009 04:53:46	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	39208	No
48	GOM_NL__2PRFIN20090830_045721_000000472082_00076_39208_2209.N1	30-AUG-2009 04:57:21	Bright	46.500	107	37The Aur	2.6490	11000.	93	39208	No
49	GOM_NL__2PRFIN20090830_050222_000000532082_00076_39208_2210.N1	30-AUG-2009 05:02:22	Twilight	53.000	151	13Mu Gem	2.8900	3000.0	106	39208	No
50	GOM_NL__2PRFIN20090830_050406_000000462082_00076_39208_2211.N1	30-AUG-2009 05:04:06	Twilight	46.000	44	24Gam Gem	1.9280	11000.	92	39208	No
51	GOM_NL__2PRFIN20090830_050831_000000672082_00076_39208_2212.N1	30-AUG-2009 05:08:31	Dark	67.000	14	58Alp Ori	0.87000	3000.0	134	39208	No
52	GOM_NL__2PRFIN20090830_051232_000000602082_00076_39208_2213.N1	30-AUG-2009 05:12:32	Dark	60.000	30	46Eps Ori	1.6940	30000.	120	39208	No
53	GOM_NL__2PRFIN20090830_051454_000000472082_00076_39208_2214.N1	30-AUG-2009 05:14:54	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39208	No
54	GOM_NL__2PRFIN20090830_051735_000000532082_00076_39208_2215.N1	30-AUG-2009 05:17:35	Dark	53.000	101	11Alp Lep	2.5820	7000.0	106	39208	No
55	GOM_NL__2PRFIN20090830_053235_000000552082_00077_39209_2217.N1	30-AUG-2009 05:32:35	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39209	No
56	GOM_NL__2PRFIN20090830_054046_000000492082_00077_39209_2218.N1	30-AUG-2009 05:40:46	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39209	No
57	GOM_NL__2PRFIN20090830_054702_000000442082_00077_39209_2219.N1	30-AUG-2009 05:47:02	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	39209	No
58	GOM_NL__2PRFIN20090830_055636_000000572082_00077_39209_2220.N1	30-AUG-2009 05:56:36	Bright	57.000	162	34Alp Aqr	2.9440	5350.0	114	39209	No
59	GOM_NL__2PRFIN20090830_060244_000000482082_00077_39209_2221.N1	30-AUG-2009 06:02:44	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39209	No
60	GOM_NL__2PRFIN20090830_060654_000000442082_00077_39209_2222.N1	30-AUG-2009 06:06:54	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39209	No
61	GOM_NL__2PRFIN20090830_061739_000000452082_00077_39209_2223.N1	30-AUG-2009 06:17:39	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39209	No
62	GOM_NL__2PRFIN20090830_061949_000000452082_00077_39209_2224.N1	30-AUG-2009 06:19:49	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39209	No
63	GOM_NL__2PRFIN20090830_063421_000000552082_00077_39209_2225.N1	30-AUG-2009 06:34:21	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	39209	No
64	GOM_NL__2PRFIN20090830_063757_000000472082_00077_39209_2226.N1	30-AUG-2009 06:37:57	Bright	46.500	107	37The Aur	2.6490	11000.	93	39209	No
65	GOM_NL__2PRFIN20090830_064258_000000472082_00077_39209_2227.N1	30-AUG-2009 06:42:58	Twilight	46.500	151	13Mu Gem	2.8900	3000.0	93	39209	No
66	GOM_NL__2PRFIN20090830_064442_000000452082_00077_39209_2228.N1	30-AUG-2009 06:44:42	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	39209	No
67	GOM_NL__2PRFIN20090830_064908_000000732082_00077_39209_2229.N1	30-AUG-2009 06:49:08	Dark	73.000	14	58Alp Ori	0.87000	3000.0	146	39209	No
68	GOM_NL__2PRFIN20090830_065309_000000642082_00077_39209_2230.N1	30-AUG-2009 06:53:09	Dark	63.500	30	46Eps Ori	1.6940	30000.	127	39209	No
69	GOM_NL__2PRFIN20090830_065531_000000482082_00077_39209_2231.N1	30-AUG-2009 06:55:31	Dark	48.000	47	2Bet CMa	1.9760	28000.	96	39209	No
70	GOM_NL__2PRFIN20090830_065812_000000572082_00077_39209_2232.N1	30-AUG-2009 06:58:12	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39209	No
71	GOM_NL__2PRFIN20090830_071312_000000552082_00078_39210_2231.N1	30-AUG-2009 07:13:12	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39210	No
72	GOM_NL__2PRFIN20090830_072122_000000492082_00078_39210_2232.N1	30-AUG-2009 07:21:22	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39210	No
73	GOM_NL__2PRFIN20090830_072738_000000452082_00078_39210_2233.N1	30-AUG-2009 07:27:38	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	39210	No
74	GOM_NL__2PRFIN20090830_073711_000000572082_00078_39210_2234.N1	30-AUG-2009 07:37:11	Bright	57.000	162	34Alp Aqr	2.9440	5350.0	114	39210	No
75	GOM_NL__2PRFIN20090830_074319_000000482082_00078_39210_2235.N1	30-AUG-2009 07:43:19	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39210	No
76	GOM_NL__2PRFIN20090830_074729_000000452082_00078_39210_2236.N1	30-AUG-2009 07:47:29	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39210	No
77	GOM_NL__2PRFIN20090830_075814_000000442082_00078_39210_2237.N1	30-AUG-2009 07:58:14	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39210	No
78	GOM_NL__2PRFIN20090830_080024_000000432082_00078_39210_2238.N1	30-AUG-2009 08:00:24	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39210	No
79	GOM_NL__2PRFIN20090830_081457_000000622082_00078_39210_2239.N1	30-AUG-2009 08:14:57	Bright	61.500	6	13Alp Aur	0.080000	3400.0	123	39210	No
80	GOM_NL__2PRFIN20090830_081833_000000472082_00078_39210_2240.N1	30-AUG-2009 08:18:33	Bright	47.000	107	37The Aur	2.6490	11000.	94	39210	No
81	GOM_NL__2PRFIN20090830_082334_000000552082_00078_39210_2241.N1	30-AUG-2009 08:23:34	Twilight	54.500	151	13Mu Gem	2.8900	3000.0	109	39210	No
82	GOM_NL__2PRFIN20090830_082518_000000492082_00078_39210_2242.N1	30-AUG-2009 08:25:18	Twilight	49.000	44	24Gam Gem	1.9280	11000.	98	39210	No
83	GOM_NL__2PRFIN20090830_082944_000000732082_00078_39210_2243.N1	30-AUG-2009 08:29:44	Dark	72.500	14	58Alp Ori	0.87000	3000.0	145	39210	No
84	GOM_NL__2PRFIN20090830_083346_000000632082_00078_39210_2244.N1	30-AUG-2009 08:33:46	Dark	63.000	30	46Eps Ori	1.6940	30000.	126	39210	No
85	GOM_NL__2PRFIN20090830_083608_000000472082_00078_39210_2245.N1	30-AUG-2009 08:36:08	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39210	No
86	GOM_NL__2PRFIN20090830_083849_000000592082_00078_39210_2246.N1	30-AUG-2009 08:38:49	Dark	59.000	101	11Alp Lep	2.5820	7000.0	118	39210	No
87	GOM_NL__2PRFIN20090830_085349_000000552082_00079_39211_2245.N1	30-AUG-2009 08:53:49	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39211	No
88	GOM_NL__2PRFIN20090830_090159_000000512082_00079_39211_2246.N1	30-AUG-2009 09:01:59	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39211	No
89	GOM_NL__2PRFIN20090830_090814_000000462082_00079_39211_2247.N1	30-AUG-2009 09:08:14	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39211	No
90	GOM_NL__2PRFIN20090830_091747_000000392082_00079_39211_2248.N1	30-AUG-2009 09:17:47	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39211	No
91	GOM_NL__2PRFIN20090830_092354_000000502082_00079_39211_2249.N1	30-AUG-2009 09:23:54	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39211	No
92	GOM_NL__2PRFIN20090830_092804_000000432082_00079_39211_2250.N1	30-AUG-2009 09:28:04	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39211	No
93	GOM_NL__2PRFIN20090830_093850_000000412082_00079_39211_2251.N1	30-AUG-2009 09:38:50	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39211	No
94	GOM_NL__2PRFIN20090830_094059_000000472082_00079_39211_2252.N1	30-AUG-2009 09:40:59	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39211	No
95	GOM_NL__2PRFIN20090830_095533_000000572082_00079_39211_2253.N1	30-AUG-2009 09:55:33	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	39211	No
96	GOM_NL__2PRFIN20090830_095909_000000472082_00079_39211_2254.N1	30-AUG-2009 09:59:09	Bright	46.500	107	37The Aur	2.6490	11000.	93	39211	No
97	GOM_NL__2PRFIN20090830_100410_000000592082_00079_39211_2255.N1	30-AUG-2009 10:04:10	Twilight	59.000	151	13Mu Gem	2.8900	3000.0	118	39211	No
98	GOM_NL__2PRFIN20090830_100555_000000502082_00079_39211_2256.N1	30-AUG-2009 10:05:55	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	39211	No
99	GOM_NL__2PRFIN20090830_101021_000000642082_00079_39211_2257.N1	30-AUG-2009 10:10:21	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	39211	No
100	GOM_NL__2PRFIN20090830_101423_000000602082_00079_39211_2258.N1	30-AUG-2009 10:14:23	Dark	59.500	30	46Eps Ori	1.6940	30000.	119	39211	No
101	GOM_NL__2PRFIN20090830_101644_000000462082_00079_39211_2259.N1	30-AUG-2009 10:16:44	Dark	45.500	47	2Bet CMa	1.9760	28000.	91	39211	No

102	GOM_NL__2PRFIN20090830_101926_000000552082_00079_39211_2260.N1	30-AUG-2009 10:19:26	Dark	55.000	101	11Alp Lep	2.5820	7000.0	110	39211	No
103	GOM_NL__2PRFIN20090830_103426_000000552082_00080_39212_2279.N1	30-AUG-2009 10:34:26	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39212	No
104	GOM_NL__2PRFIN20090830_104235_000000512082_00080_39212_2280.N1	30-AUG-2009 10:42:35	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39212	No
105	GOM_NL__2PRFIN20090830_104850_000000452082_00080_39212_2281.N1	30-AUG-2009 10:48:50	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	39212	No
106	GOM_NL__2PRFIN20090830_105823_000000522082_00080_39212_2282.N1	30-AUG-2009 10:58:23	Bright	52.000	162	34Alp Aqr	2.9440	5350.0	104	39212	No
107	GOM_NL__2PRFIN20090830_110429_000000502082_00080_39212_2283.N1	30-AUG-2009 11:04:29	Bright	50.000	90	54Alp Peg	2.4870	11000.	100	39212	No
108	GOM_NL__2PRFIN20090830_110840_000000442082_00080_39212_2284.N1	30-AUG-2009 11:08:40	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39212	No
109	GOM_NL__2PRFIN20090830_111924_000000442082_00080_39212_2285.N1	30-AUG-2009 11:19:24	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39212	No
110	GOM_NL__2PRFIN20090830_112134_000000472082_00080_39212_2286.N1	30-AUG-2009 11:21:34	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39212	No
111	GOM_NL__2PRFIN20090830_113608_000000542082_00080_39212_2287.N1	30-AUG-2009 11:36:08	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	39212	No
112	GOM_NL__2PRFIN20090830_113945_000000482082_00080_39212_2288.N1	30-AUG-2009 11:39:45	Bright	47.500	107	37The Aur	2.6490	11000.	95	39212	No
113	GOM_NL__2PRFIN20090830_114447_000000562082_00080_39212_2289.N1	30-AUG-2009 11:44:47	Tw_i_and_stray	55.500	151	13Mu Gem	2.8900	3000.0	111	39212	No
114	GOM_NL__2PRFIN20090830_114631_000000502082_00080_39212_2290.N1	30-AUG-2009 11:46:31	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39212	No
115	GOM_NL__2PRFIN20090830_115058_000000662082_00080_39212_2291.N1	30-AUG-2009 11:50:58	Dark	65.500	14	58Alp Ori	0.87000	3000.0	131	39212	No
116	GOM_NL__2PRFIN20090830_115500_000000622082_00080_39212_2292.N1	30-AUG-2009 11:55:00	Dark	61.500	30	46Eps Ori	1.6940	30000.	123	39212	No
117	GOM_NL__2PRFIN20090830_115721_000000472082_00080_39212_2293.N1	30-AUG-2009 11:57:21	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39212	No
118	GOM_NL__2PRFIN20090830_120003_000000502082_00080_39212_2294.N1	30-AUG-2009 12:00:03	Dark	50.000	101	11Alp Lep	2.5820	7000.0	100	39212	No
119	GOM_NL__2PRFIN20090830_121504_000000562082_00081_39213_2293.N1	30-AUG-2009 12:15:04	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39213	No
120	GOM_NL__2PRFIN20090830_122312_000000492082_00081_39213_2294.N1	30-AUG-2009 12:23:12	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39213	No
121	GOM_NL__2PRFIN20090830_122926_000000462082_00081_39213_2295.N1	30-AUG-2009 12:29:26	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39213	No
122	GOM_NL__2PRFIN20090830_123859_000000392082_00081_39213_2296.N1	30-AUG-2009 12:38:59	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39213	No
123	GOM_NL__2PRFIN20090830_124505_000000492082_00081_39213_2297.N1	30-AUG-2009 12:45:05	Bright	49.000	90	54Alp Peg	2.4870	11000.	98	39213	No
124	GOM_NL__2PRFIN20090830_124915_000000412082_00081_39213_2298.N1	30-AUG-2009 12:49:15	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	39213	No
125	GOM_NL__2PRFIN20090830_131644_000000562082_00081_39213_2299.N1	30-AUG-2009 13:16:44	Bright	56.000	6	13Alp Aur	0.080000	3400.0	112	39213	No
126	GOM_NL__2PRFIN20090830_132020_000000492082_00081_39213_2300.N1	30-AUG-2009 13:20:20	Bright	49.000	107	37The Aur	2.6490	11000.	98	39213	No
127	GOM_NL__2PRFIN20090830_132523_000000542082_00081_39213_2301.N1	30-AUG-2009 13:25:23	Tw_i_and_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39213	No
128	GOM_NL__2PRFIN20090830_132707_000000502082_00081_39213_2302.N1	30-AUG-2009 13:27:07	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39213	No
129	GOM_NL__2PRFIN20090830_133134_000000642082_00081_39213_2303.N1	30-AUG-2009 13:31:34	Dark	64.000	14	58Alp Ori	0.87000	3000.0	128	39213	No
130	GOM_NL__2PRFIN20090830_133537_000000622082_00081_39213_2304.N1	30-AUG-2009 13:35:37	Dark	62.000	30	46Eps Ori	1.6940	30000.	124	39213	No
131	GOM_NL__2PRFIN20090830_133757_000000482082_00081_39213_2305.N1	30-AUG-2009 13:37:57	Dark	47.500	47	2Bet CMa	1.9760	28000.	95	39213	No
132	GOM_NL__2PRFIN20090830_134040_000000562082_00081_39213_2306.N1	30-AUG-2009 13:40:40	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39213	No
133	GOM_NL__2PRFIN20090830_135541_000000562082_00082_39214_2307.N1	30-AUG-2009 13:55:41	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39214	No
134	GOM_NL__2PRFIN20090830_140348_000000472082_00082_39214_2308.N1	30-AUG-2009 14:03:48	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39214	No
135	GOM_NL__2PRFIN20090830_141002_000000462082_00082_39214_2309.N1	30-AUG-2009 14:10:02	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39214	No
136	GOM_NL__2PRFIN20090830_141935_000000392082_00082_39214_2310.N1	30-AUG-2009 14:19:35	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39214	No
137	GOM_NL__2PRFIN20090830_142540_000000502082_00082_39214_2311.N1	30-AUG-2009 14:25:40	Bright	49.500	90	54Alp Peg	2.4870	11000.	99	39214	No
138	GOM_NL__2PRFIN20090830_142950_000000432082_00082_39214_2312.N1	30-AUG-2009 14:29:50	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	39214	No
139	GOM_NL__2PRFIN20090830_144035_000000442082_00082_39214_2313.N1	30-AUG-2009 14:40:35	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	39214	No
140	GOM_NL__2PRFIN20090830_144244_000000442082_00082_39214_2314.N1	30-AUG-2009 14:42:44	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39214	No
141	GOM_NL__2PRFIN20090830_145720_000000592082_00082_39214_2315.N1	30-AUG-2009 14:57:20	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39214	No
142	GOM_NL__2PRFIN20090830_150056_000000482082_00082_39214_2316.N1	30-AUG-2009 15:00:56	Bright	48.000	107	37The Aur	2.6490	11000.	96	39214	No
143	GOM_NL__2PRFIN20090830_150559_000000522082_00082_39214_2317.N1	30-AUG-2009 15:05:59	Tw_i_and_stray	52.000	151	13Mu Gem	2.8900	3000.0	104	39214	No
144	GOM_NL__2PRFIN20090830_150743_000000522082_00082_39214_2318.N1	30-AUG-2009 15:07:43	Tw_i_and_stray	51.500	44	24Gam Gem	1.9280	11000.	103	39214	No
145	GOM_NL__2PRFIN20090830_151211_000000652082_00082_39214_2319.N1	30-AUG-2009 15:12:11	Dark	65.000	14	58Alp Ori	0.87000	3000.0	130	39214	No
146	GOM_NL__2PRFIN20090830_151614_000000642082_00082_39214_2320.N1	30-AUG-2009 15:16:14	Dark	63.500	30	46Eps Ori	1.6940	30000.	127	39214	No
147	GOM_NL__2PRFIN20090830_151834_000000472082_00082_39214_2321.N1	30-AUG-2009 15:18:34	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39214	No
148	GOM_NL__2PRFIN20090830_152118_000000512082_00082_39214_2322.N1	30-AUG-2009 15:21:18	Dark	51.000	101	11Alp Lep	2.5820	7000.0	102	39214	No
149	GOM_NL__2PRFIN20090830_153618_000000532082_00083_39215_2321.N1	30-AUG-2009 15:36:18	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39215	No
150	GOM_NL__2PRFIN20090830_154425_000000562082_00083_39215_2322.N1	30-AUG-2009 15:44:25	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	39215	No
151	GOM_NL__2PRFIN20090830_155039_000000462082_00083_39215_2323.N1	30-AUG-2009 15:50:39	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	39215	No
152	GOM_NL__2PRFIN20090830_160011_000000392082_00083_39215_2324.N1	30-AUG-2009 16:00:11	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39215	No
153	GOM_NL__2PRFIN20090830_160615_000000482082_00083_39215_2325.N1	30-AUG-2009 16:06:15	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39215	No
154	GOM_NL__2PRFIN20090830_161026_000000652082_00083_39215_2326.N1	30-AUG-2009 16:10:26	Bright	65.000	164	44Eta Peg	2.9480	5400.0	130	39215	No
155	GOM_NL__2PRFIN20090830_162110_000000412082_00083_39215_2327.N1	30-AUG-2009 16:21:10	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39215	No
156	GOM_NL__2PRFIN20090830_162320_000000462082_00083_39215_2328.N1	30-AUG-2009 16:23:20	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39215	No
157	GOM_NL__2PRFIN20090830_163755_000000622082_00083_39215_2329.N1	30-AUG-2009 16:37:55	Bright	61.500	6	13Alp Aur	0.080000	3400.0	123	39215	No
158	GOM_NL__2PRFIN20090830_164132_000000462082_00083_39215_2330.N1	30-AUG-2009 16:41:32	Bright	45.500	107	37The Aur	2.6490	11000.	91	39215	No
159	GOM_NL__2PRFIN20090830_164635_000000542082_00083_39215_2331.N1	30-AUG-2009 16:46:35	Tw_i_and_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39215	No
160	GOM_NL__2PRFIN20090830_164820_000000502082_00083_39215_2332.N1	30-AUG-2009 16:48:20	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39215	No

161	GOM_NL__2PRFIN20090830_165248_000000702082_00083_39215_2333.N1	30-AUG-2009 16:52:48	Dark	69.500	14	58Alp Ori	0.87000	3000.0	139	39215	No
162	GOM_NL__2PRFIN20090830_165651_000000632082_00083_39215_2334.N1	30-AUG-2009 16:56:51	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39215	No
163	GOM_NL__2PRFIN20090830_165911_000000472082_00083_39215_2335.N1	30-AUG-2009 16:59:11	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39215	No
164	GOM_NL__2PRFIN20090830_170155_000000542082_00083_39215_2336.N1	30-AUG-2009 17:01:55	Dark	53.500	101	11Alp Lep	2.5820	7000.0	107	39215	No
165	GOM_NL__2PRFIN20090830_171655_000000562082_00084_39216_2336.N1	30-AUG-2009 17:16:55	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39216	No
166	GOM_NL__2PRFIN20090830_172502_000000482082_00084_39216_2337.N1	30-AUG-2009 17:25:02	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	39216	No
167	GOM_NL__2PRFIN20090830_173115_000000472082_00084_39216_2338.N1	30-AUG-2009 17:31:15	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39216	No
168	GOM_NL__2PRFIN20090830_174047_000000392082_00084_39216_2339.N1	30-AUG-2009 17:40:47	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39216	No
169	GOM_NL__2PRFIN20090830_174651_000000482082_00084_39216_2340.N1	30-AUG-2009 17:46:51	Bright	48.000	90	54Alp Peg	2.4870	11000.	96	39216	No
170	GOM_NL__2PRFIN20090830_175101_000000442082_00084_39216_2341.N1	30-AUG-2009 17:51:01	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	39216	No
171	GOM_NL__2PRFIN20090830_180146_000000462082_00084_39216_2342.N1	30-AUG-2009 18:01:46	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39216	No
172	GOM_NL__2PRFIN20090830_180355_000000472082_00084_39216_2343.N1	30-AUG-2009 18:03:55	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39216	No
173	GOM_NL__2PRFIN20090830_181831_000000572082_00084_39216_2344.N1	30-AUG-2009 18:18:31	Bright	56.500	6	13Alp Aur	0.080000	3400.0	113	39216	No
174	GOM_NL__2PRFIN20090830_182208_000000432082_00084_39216_2345.N1	30-AUG-2009 18:22:08	Bright	43.000	107	37The Aur	2.6490	11000.	86	39216	No
175	GOM_NL__2PRFIN20090830_182711_000000572082_00084_39216_2346.N1	30-AUG-2009 18:27:11	Tw_i_and_stray	56.500	151	13Mu Gem	2.8900	3000.0	113	39216	No
176	GOM_NL__2PRFIN20090830_182856_000000502082_00084_39216_2347.N1	30-AUG-2009 18:28:56	Tw_i_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	39216	No
177	GOM_NL__2PRFIN20090830_183728_000000662082_00084_39216_2348.N1	30-AUG-2009 18:37:28	Dark	66.000	30	46Eps Ori	1.6940	30000.	132	39216	No
178	GOM_NL__2PRFIN20090830_183947_000000482082_00084_39216_2349.N1	30-AUG-2009 18:39:47	Dark	48.000	47	2Bet CMa	1.9760	28000.	96	39216	No
179	GOM_NL__2PRFIN20090830_184232_000000562082_00084_39216_2350.N1	30-AUG-2009 18:42:32	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39216	No
180	GOM_NL__2PRFIN20090830_185732_000000552082_00085_39217_2353.N1	30-AUG-2009 18:57:32	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39217	No
181	GOM_NL__2PRFIN20090830_190538_000000542082_00085_39217_2354.N1	30-AUG-2009 19:05:38	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	39217	No
182	GOM_NL__2PRFIN20090830_191151_000000472082_00085_39217_2355.N1	30-AUG-2009 19:11:51	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39217	No
183	GOM_NL__2PRFIN20090830_192123_000000392082_00085_39217_2356.N1	30-AUG-2009 19:21:23	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39217	No
184	GOM_NL__2PRFIN20090830_192726_000000482082_00085_39217_2357.N1	30-AUG-2009 19:27:26	Bright	47.500	90	54Alp Peg	2.4870	11000.	95	39217	No
185	GOM_NL__2PRFIN20090830_193137_000000432082_00085_39217_2358.N1	30-AUG-2009 19:31:37	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39217	No
186	GOM_NL__2PRFIN20090830_194221_000000452082_00085_39217_2359.N1	30-AUG-2009 19:42:21	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	39217	No
187	GOM_NL__2PRFIN20090830_194430_000000472082_00085_39217_2360.N1	30-AUG-2009 19:44:30	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39217	No
188	GOM_NL__2PRFIN20090830_195907_000000572082_00085_39217_2361.N1	30-AUG-2009 19:59:07	Bright	56.500	6	13Alp Aur	0.080000	3400.0	113	39217	No
189	GOM_NL__2PRFIN20090830_200244_000000452082_00085_39217_2362.N1	30-AUG-2009 20:02:44	Bright	45.000	107	37The Aur	2.6490	11000.	90	39217	No
190	GOM_NL__2PRFIN20090830_200748_000000602082_00085_39217_2363.N1	30-AUG-2009 20:07:48	Tw_i_and_stray	59.500	151	13Mu Gem	2.8900	3000.0	119	39217	No
191	GOM_NL__2PRFIN20090830_200932_000000492082_00085_39217_2364.N1	30-AUG-2009 20:09:32	Tw_i_and_stray	49.000	44	24Gam Gem	1.9280	11000.	98	39217	No
192	GOM_NL__2PRFIN20090830_201805_000000622082_00085_39217_2365.N1	30-AUG-2009 20:18:05	Dark	62.000	30	46Eps Ori	1.6940	30000.	124	39217	No
193	GOM_NL__2PRFIN20090830_202024_000000482082_00085_39217_2366.N1	30-AUG-2009 20:20:24	Dark	47.500	47	2Bet CMa	1.9760	28000.	95	39217	No
194	GOM_NL__2PRFIN20090830_202309_000000572082_00085_39217_2367.N1	30-AUG-2009 20:23:09	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39217	No
195	GOM_NL__2PRFIN20090830_203809_000000562082_00086_39218_2363.N1	30-AUG-2009 20:38:09	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39218	No
196	GOM_NL__2PRFIN20090830_204614_000000482082_00086_39218_2364.N1	30-AUG-2009 20:46:14	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	39218	No
197	GOM_NL__2PRFIN20090830_205227_000000472082_00086_39218_2365.N1	30-AUG-2009 20:52:27	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39218	No
198	GOM_NL__2PRFIN20090830_210159_000000392082_00086_39218_2366.N1	30-AUG-2009 21:01:59	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39218	No
199	GOM_NL__2PRFIN20090830_210802_000000482082_00086_39218_2367.N1	30-AUG-2009 21:08:02	Bright	47.500	90	54Alp Peg	2.4870	11000.	95	39218	No
200	GOM_NL__2PRFIN20090830_211212_000000432082_00086_39218_2368.N1	30-AUG-2009 21:12:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39218	No
201	GOM_NL__2PRFIN20090830_212256_000000452082_00086_39218_2369.N1	30-AUG-2009 21:22:56	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39218	No
202	GOM_NL__2PRFIN20090830_212505_000000452082_00086_39218_2370.N1	30-AUG-2009 21:25:05	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39218	No
203	GOM_NL__2PRFIN20090830_213942_000000552082_00086_39218_2371.N1	30-AUG-2009 21:39:42	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	39218	No
204	GOM_NL__2PRFIN20090830_214320_000000492082_00086_39218_2372.N1	30-AUG-2009 21:43:20	Bright	48.500	107	37The Aur	2.6490	11000.	97	39218	No
205	GOM_NL__2PRFIN20090830_214824_000000552082_00086_39218_2373.N1	30-AUG-2009 21:48:24	Tw_i_and_stray	54.500	151	13Mu Gem	2.8900	3000.0	109	39218	No
206	GOM_NL__2PRFIN20090830_215009_000000472082_00086_39218_2374.N1	30-AUG-2009 21:50:09	Tw_i_and_stray	47.000	44	24Gam Gem	1.9280	11000.	94	39218	No
207	GOM_NL__2PRFIN20090830_215842_000000632082_00086_39218_2375.N1	30-AUG-2009 21:58:42	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39218	No
208	GOM_NL__2PRFIN20090830_220101_000000492082_00086_39218_2376.N1	30-AUG-2009 22:01:01	Dark	48.500	47	2Bet CMa	1.9760	28000.	97	39218	No
209	GOM_NL__2PRFIN20090830_220346_000000522082_00086_39218_2377.N1	30-AUG-2009 22:03:46	Dark	51.500	101	11Alp Lep	2.5820	7000.0	103	39218	No
210	GOM_NL__2PRFIN20090830_221847_000000562082_00087_39219_2388.N1	30-AUG-2009 22:18:47	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39219	No
211	GOM_NL__2PRFIN20090830_222651_000000542082_00087_39219_2389.N1	30-AUG-2009 22:26:51	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	39219	No
212	GOM_NL__2PRFIN20090830_223303_000000462082_00087_39219_2390.N1	30-AUG-2009 22:33:03	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	39219	No
213	GOM_NL__2PRFIN20090830_224234_000000392082_00087_39219_2391.N1	30-AUG-2009 22:42:34	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	39219	No
214	GOM_NL__2PRFIN20090830_224837_000000472082_00087_39219_2392.N1	30-AUG-2009 22:48:37	Bright	47.000	90	54Alp Peg	2.4870	11000.	94	39219	No
215	GOM_NL__2PRFIN20090830_225247_000000442082_00087_39219_2393.N1	30-AUG-2009 22:52:47	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	39219	No
216	GOM_NL__2PRFIN20090830_230331_000000452082_00087_39219_2394.N1	30-AUG-2009 23:03:31	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39219	No
217	GOM_NL__2PRFIN20090830_230541_000000452082_00087_39219_2395.N1	30-AUG-2009 23:05:41	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39219	No
218	GOM_NL__2PRFIN20090830_232018_000000592082_00087_39219_2396.N1	30-AUG-2009 23:20:18	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	39219	No
219	GOM_NL__2PRFIN20090830_232356_000000472082_00087_39219_2397.N1	30-AUG-2009 23:23:56	Bright	47.000	107	37The Aur	2.6490	11000.	94	39219	No

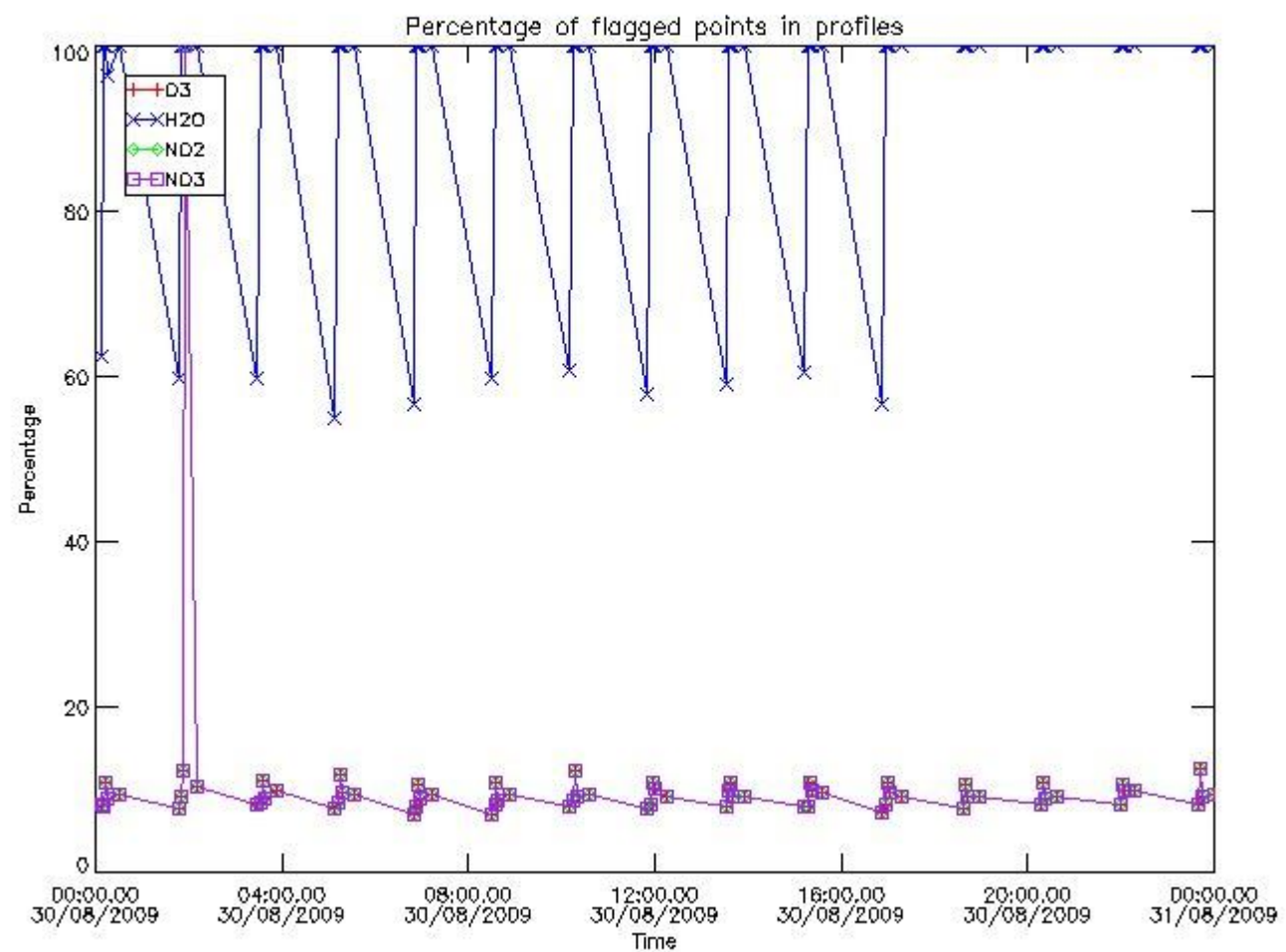


220	GOM_NL__2PRFIN20090830_232900_000000542082_00087_39219_2398.N1	30-AUG-2009 23:29:00	Twilight_stray	53.500	151	13Mu Gem	2.8900	3000.0	107	39219	No
221	GOM_NL__2PRFIN20090830_233045_000000482082_00087_39219_2399.N1	30-AUG-2009 23:30:45	Twilight_stray	47.500	44	24Gam Gem	1.9280	11000.	95	39219	No
222	GOM_NL__2PRFIN20090830_233919_000000632082_00087_39219_2400.N1	30-AUG-2009 23:39:19	Dark	62.500	30	46Eps Ori	1.6940	30000.	125	39219	No
223	GOM_NL__2PRFIN20090830_234137_000000452082_00087_39219_2401.N1	30-AUG-2009 23:41:37	Dark	44.500	47	2Bet CMa	1.9760	28000.	89	39219	No
224	GOM_NL__2PRFIN20090830_234423_000000562082_00087_39219_2402.N1	30-AUG-2009 23:44:23	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39219	No
225	GOM_NL__2PRFIN20090830_235923_000000542082_00088_39220_2406.N1	30-AUG-2009 23:59:23	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39220	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.

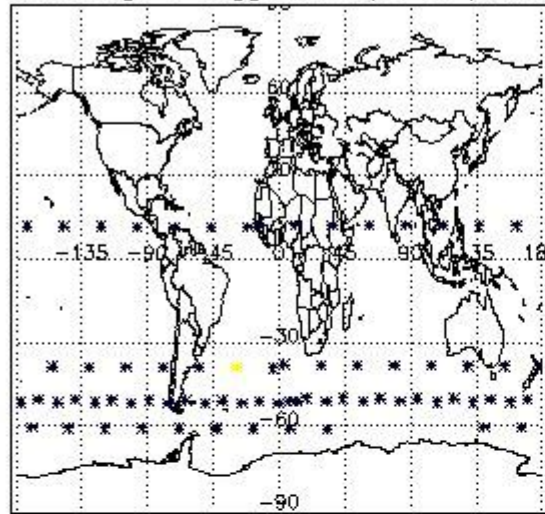
#### 3.1 Plot quality information per product (time dependant)



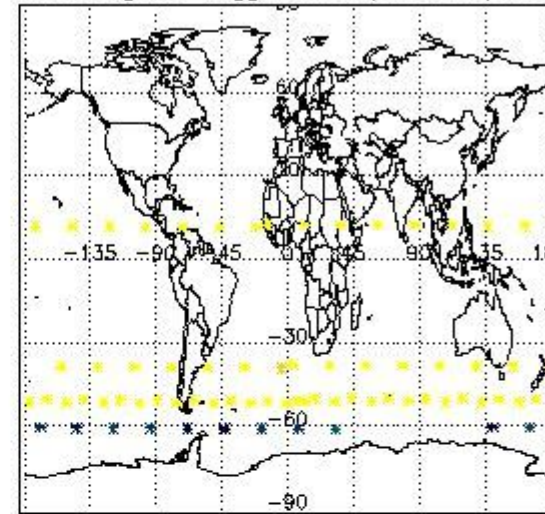
#### 3.2 Plot quality information per product (world map)



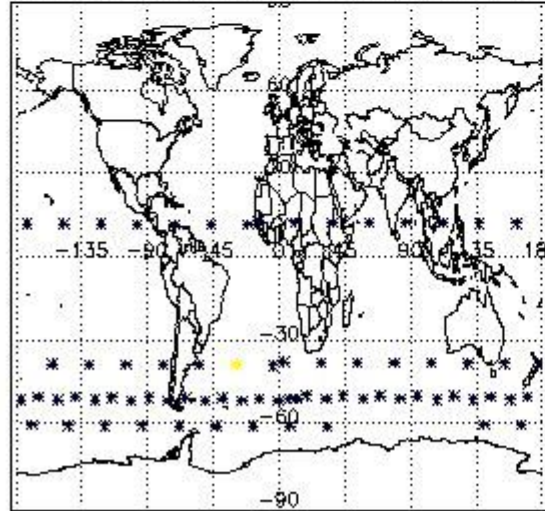
Percentage of flagged data per O3 profile



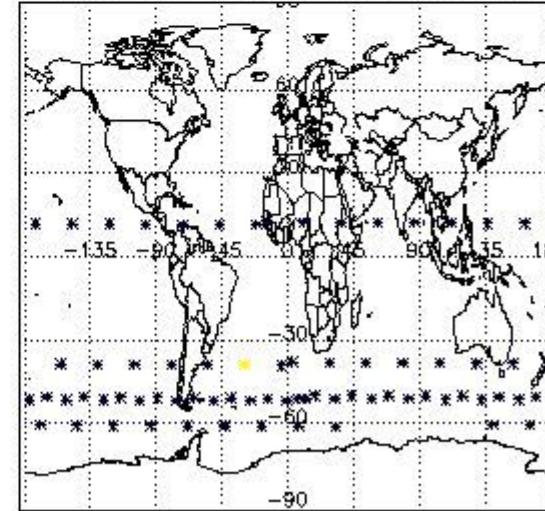
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

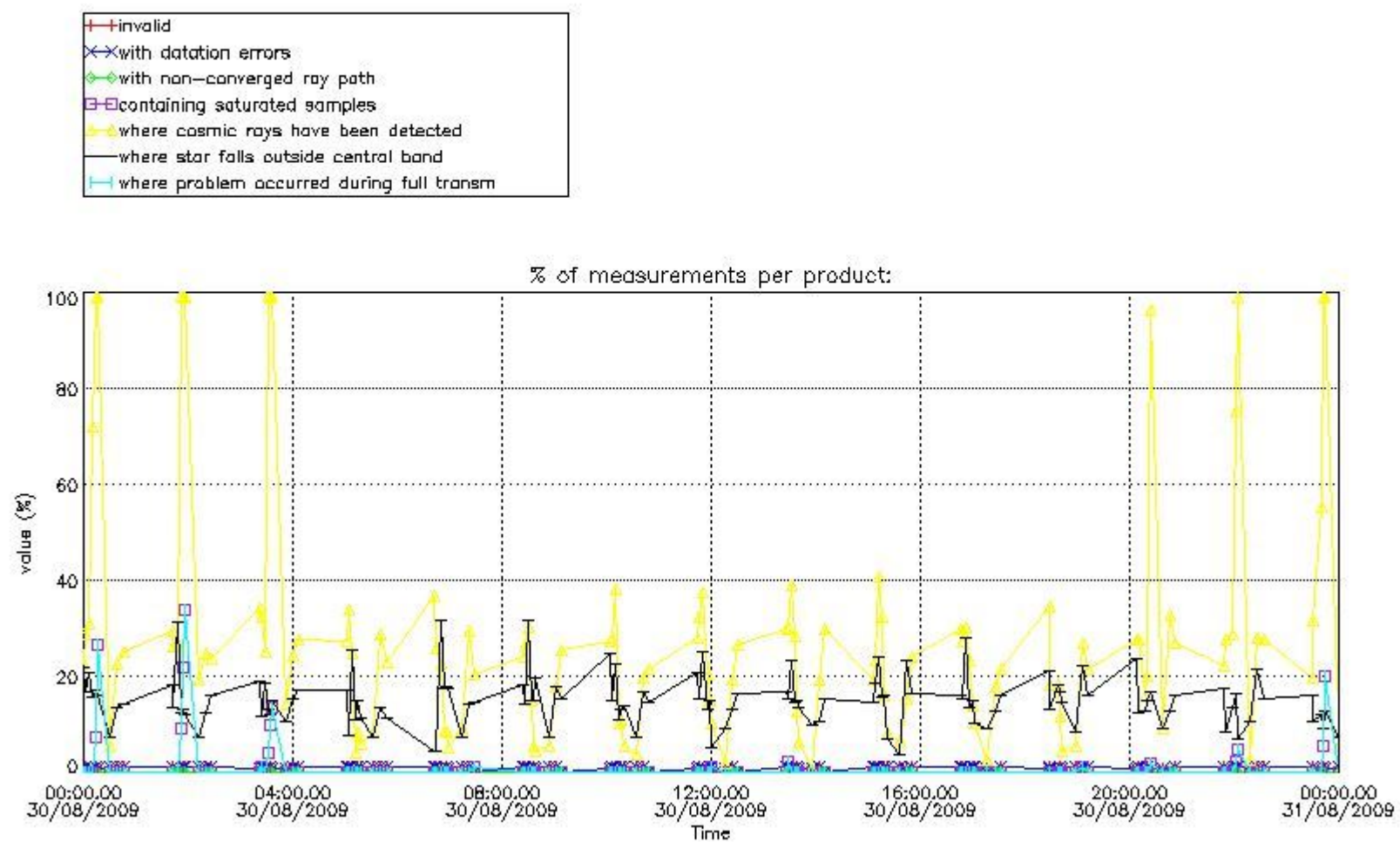


#### 4. Level 1 quality information per product

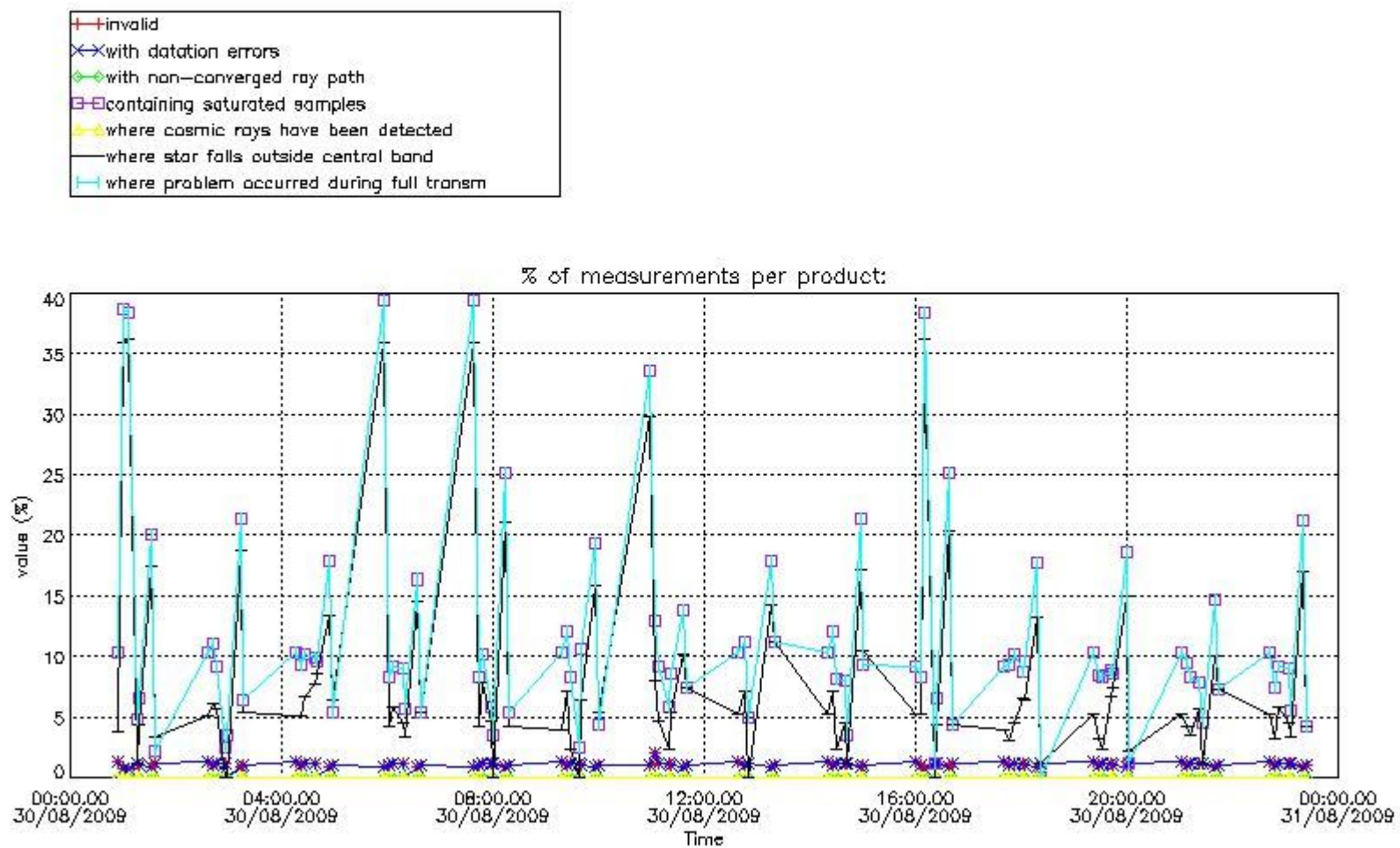
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

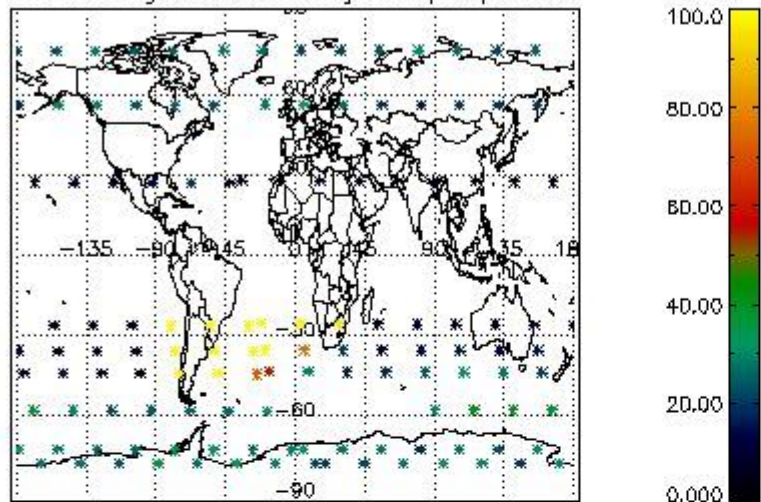


4.2 Plot quality information per product coming from level 1b processing (world map)

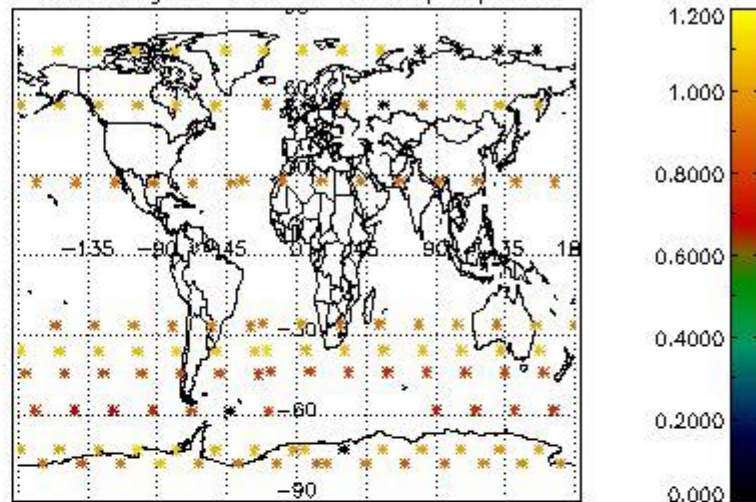
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



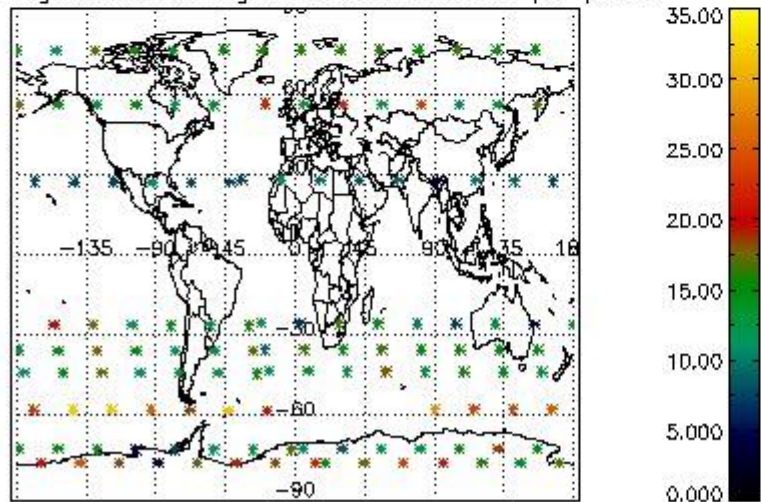
Percentage of cosmic ray hits per profile



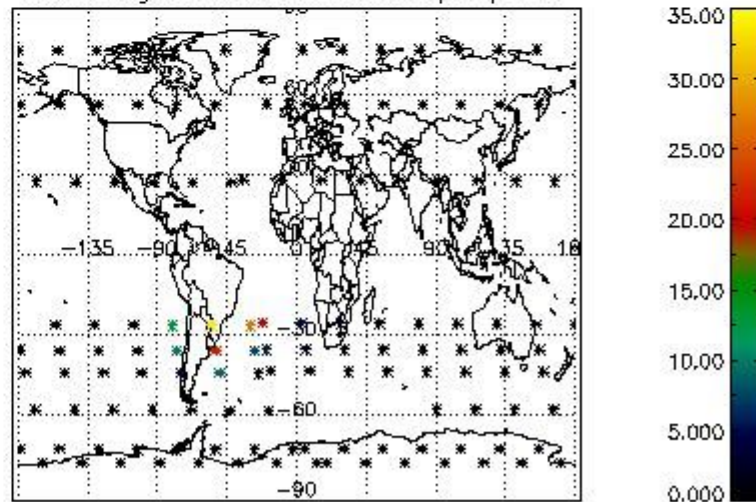
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

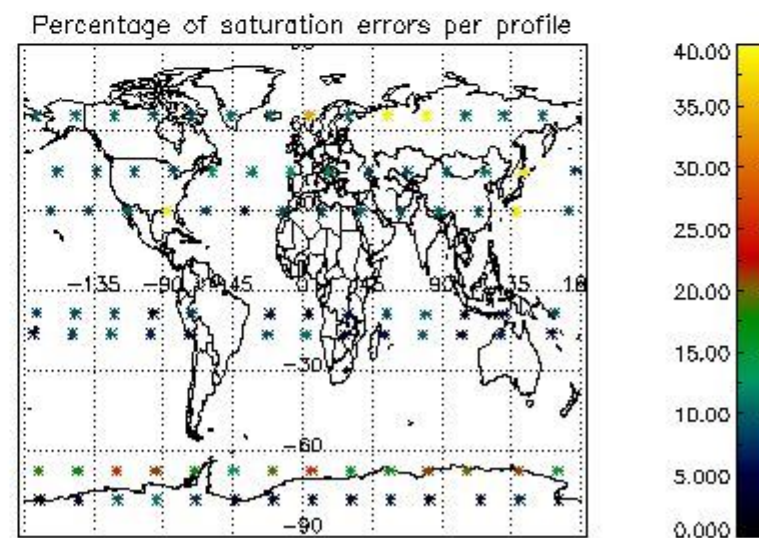
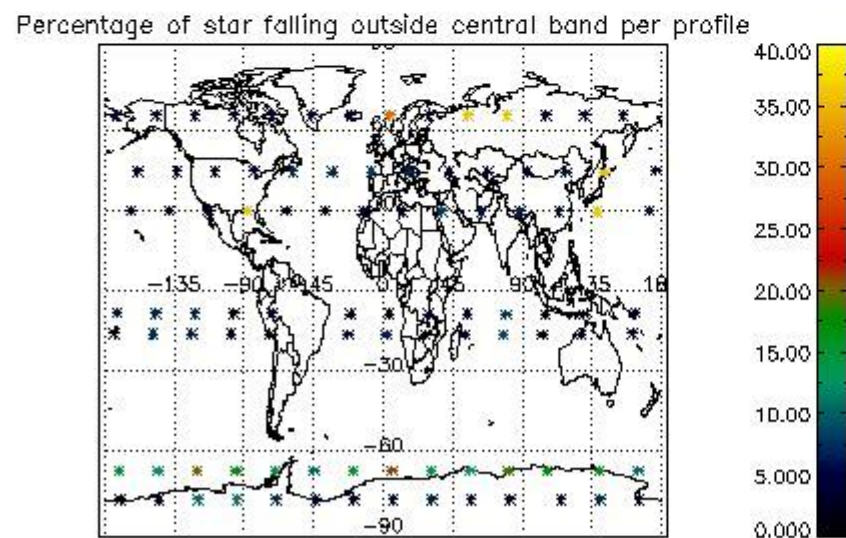
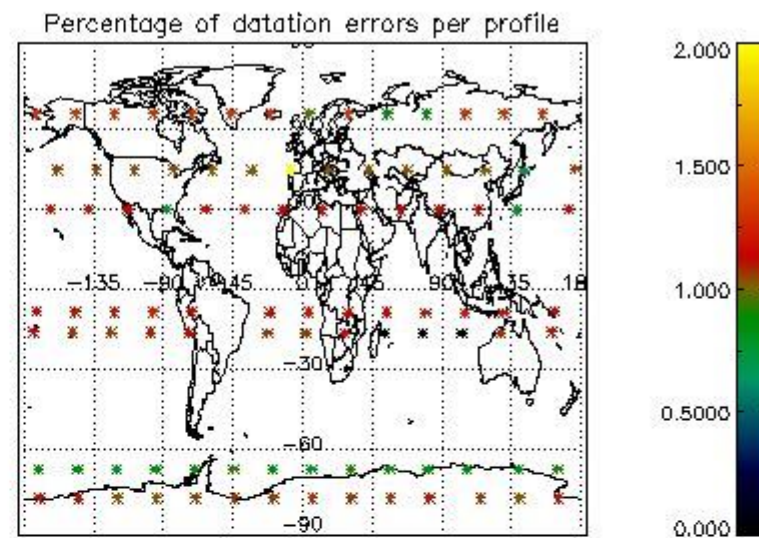
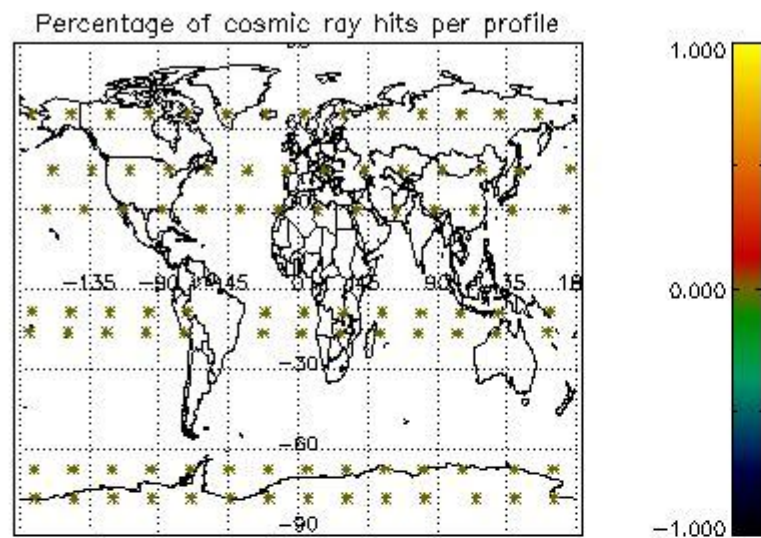


Percentage of saturation errors per profile



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

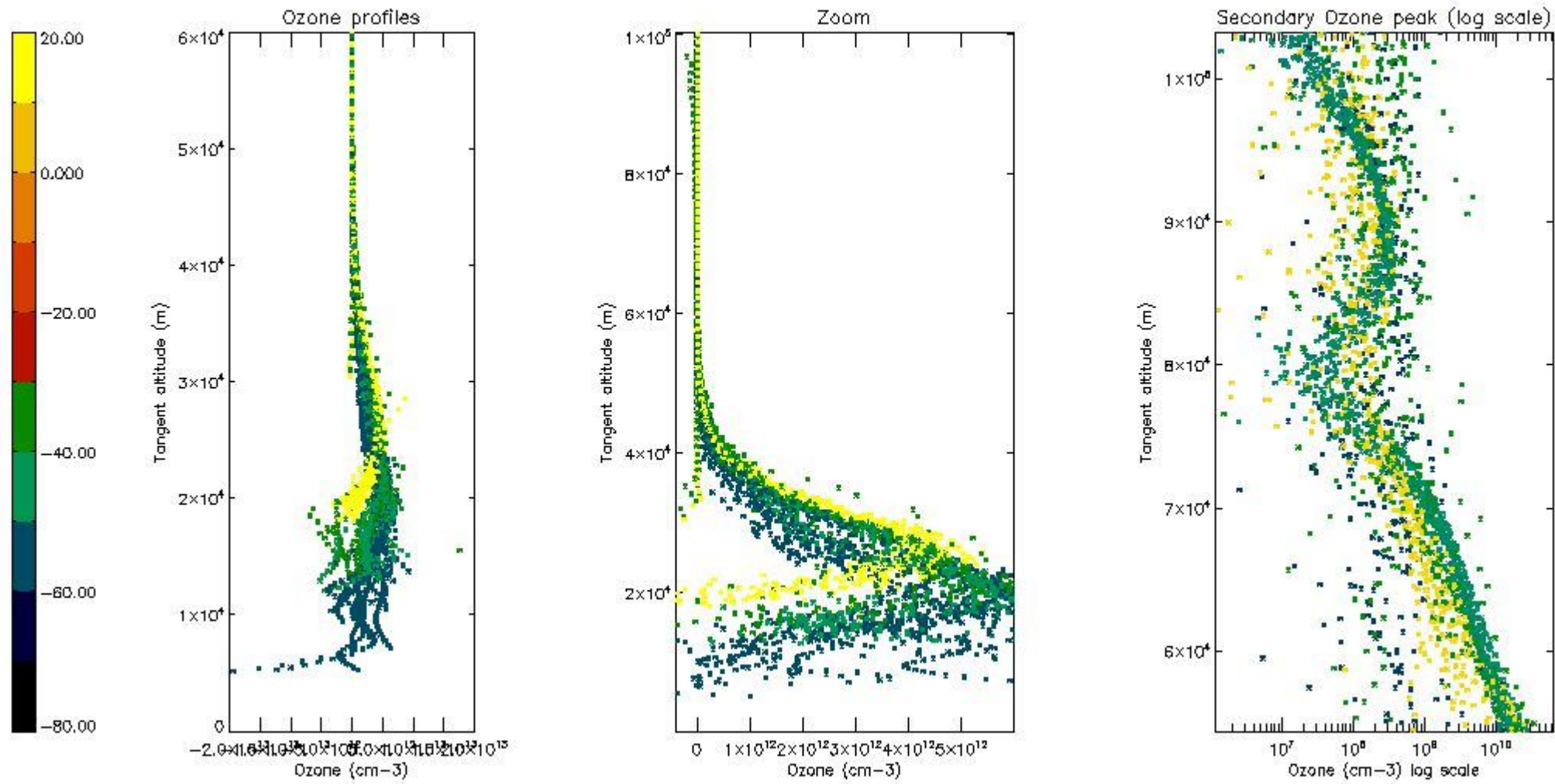
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	18

STD < 10	14
STD < 5	8

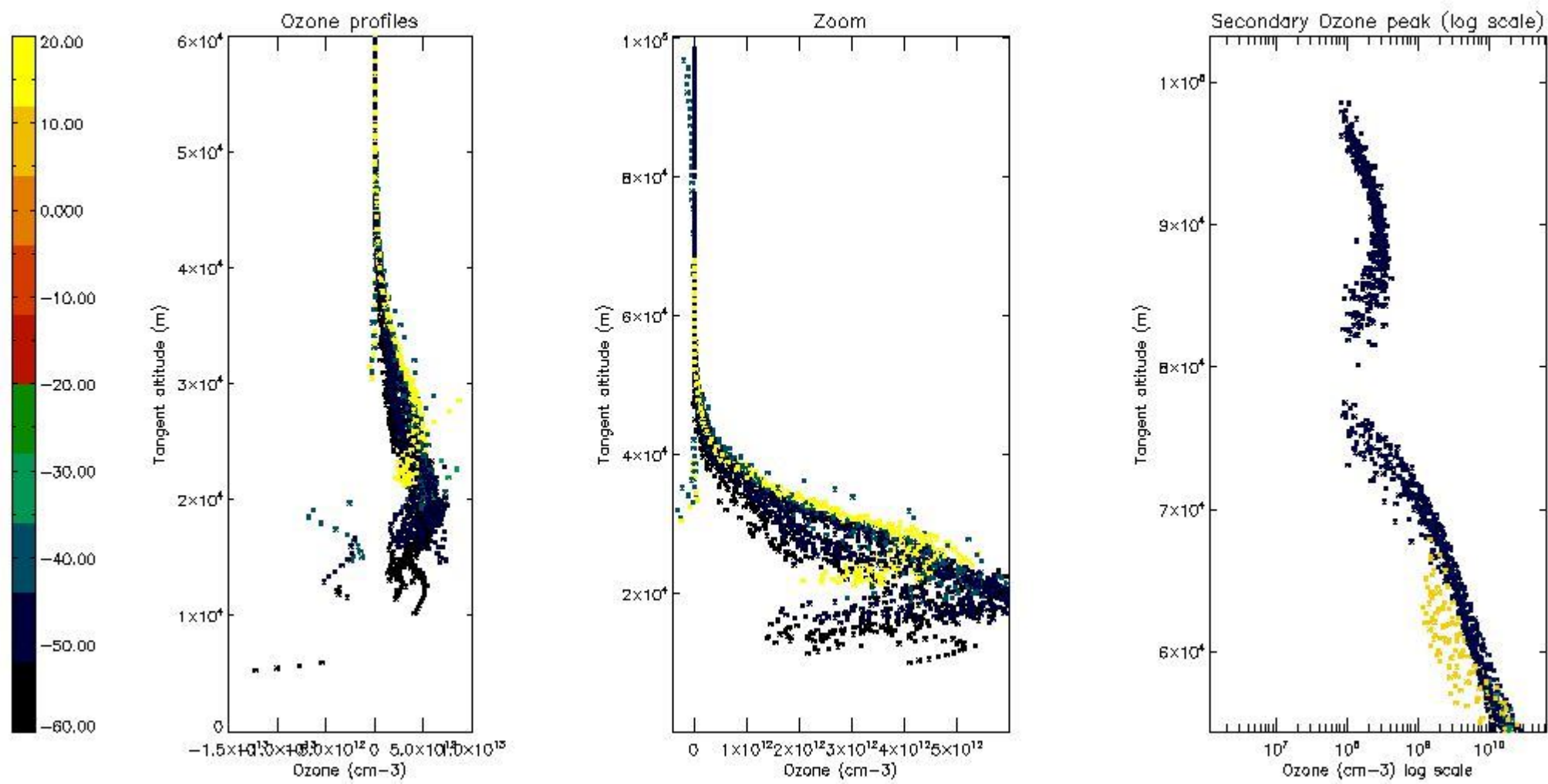
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

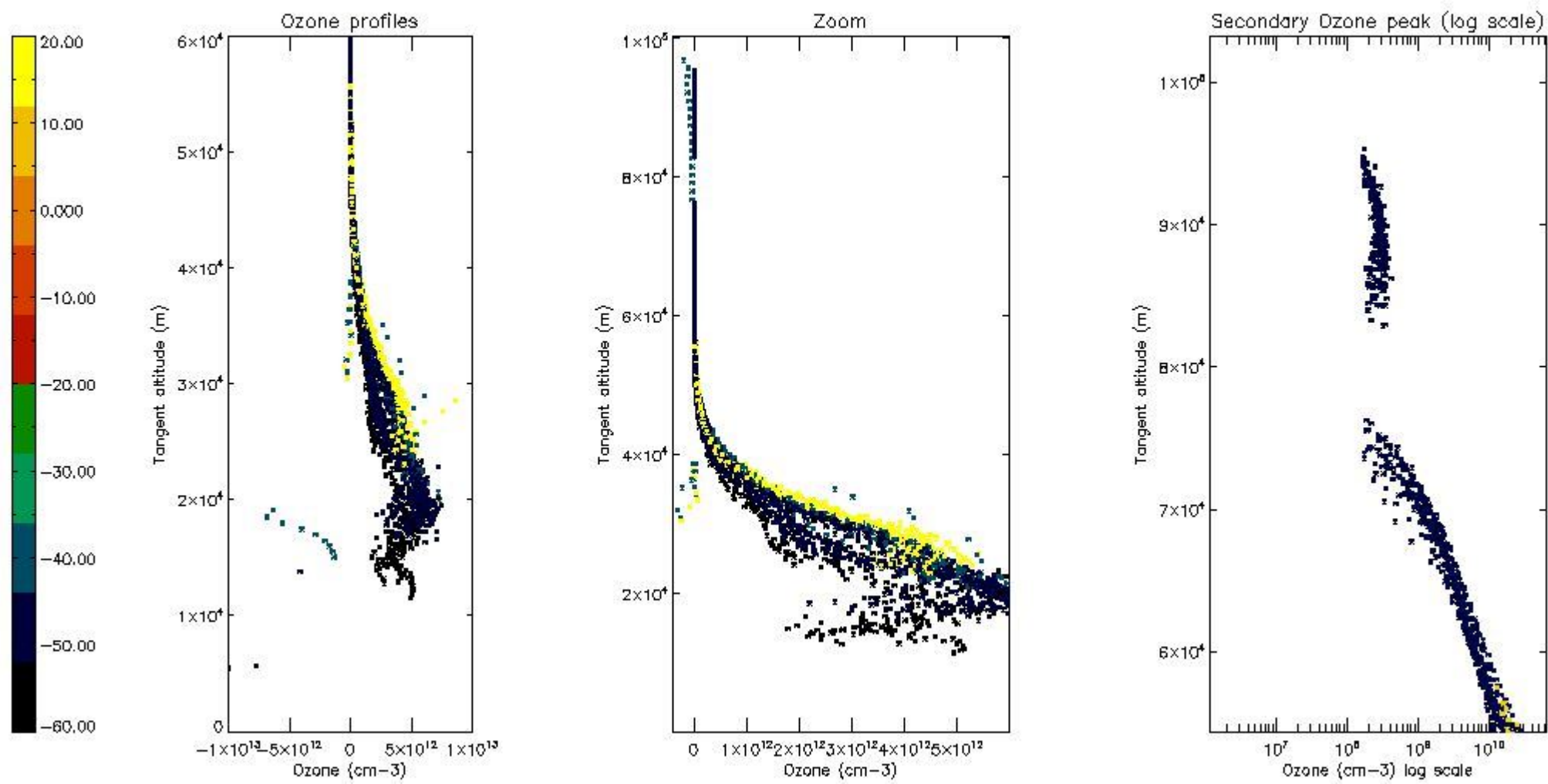
The colorbar represents the latitude.



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

The colorbar represents the latitude.

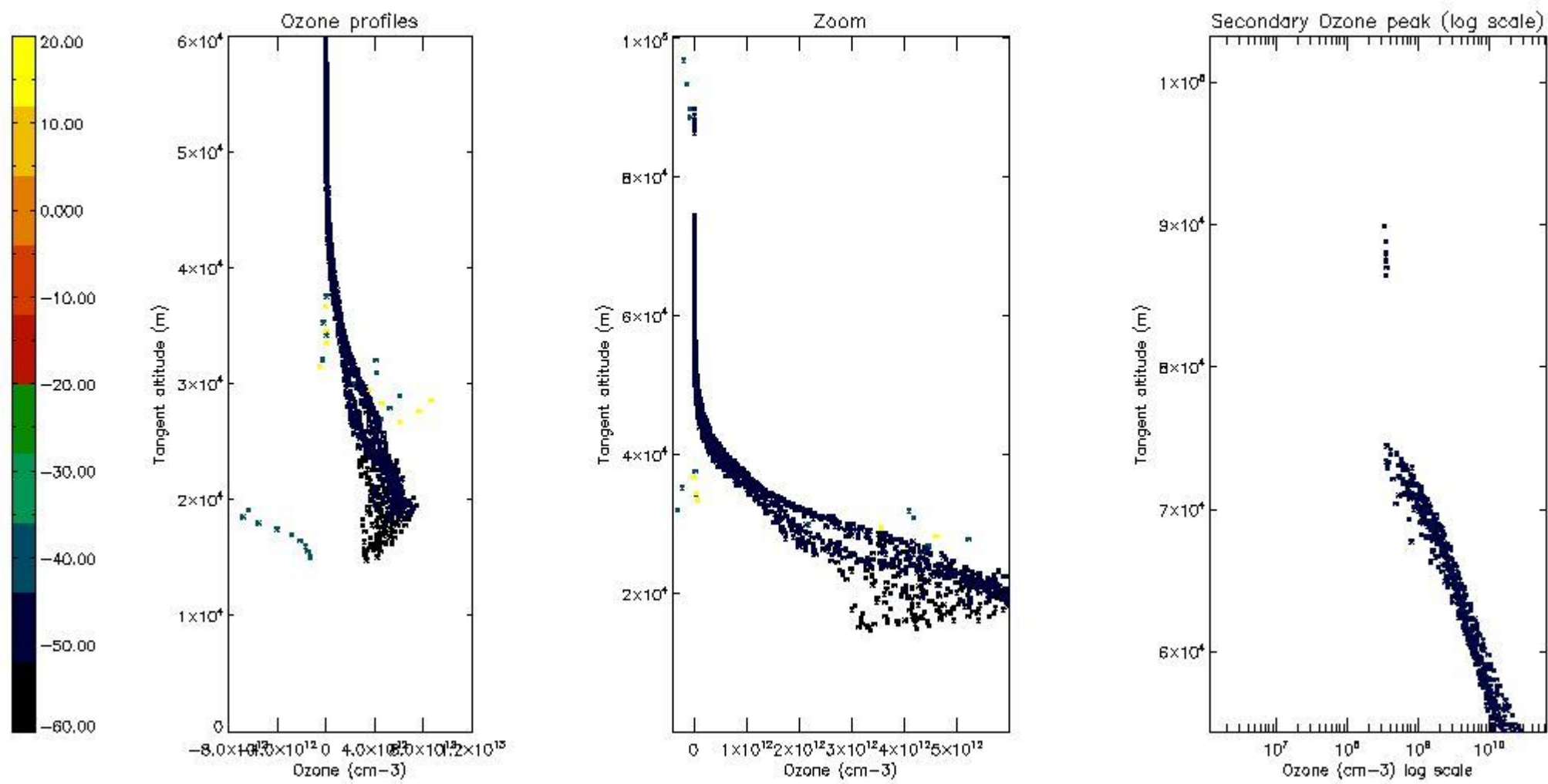




*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

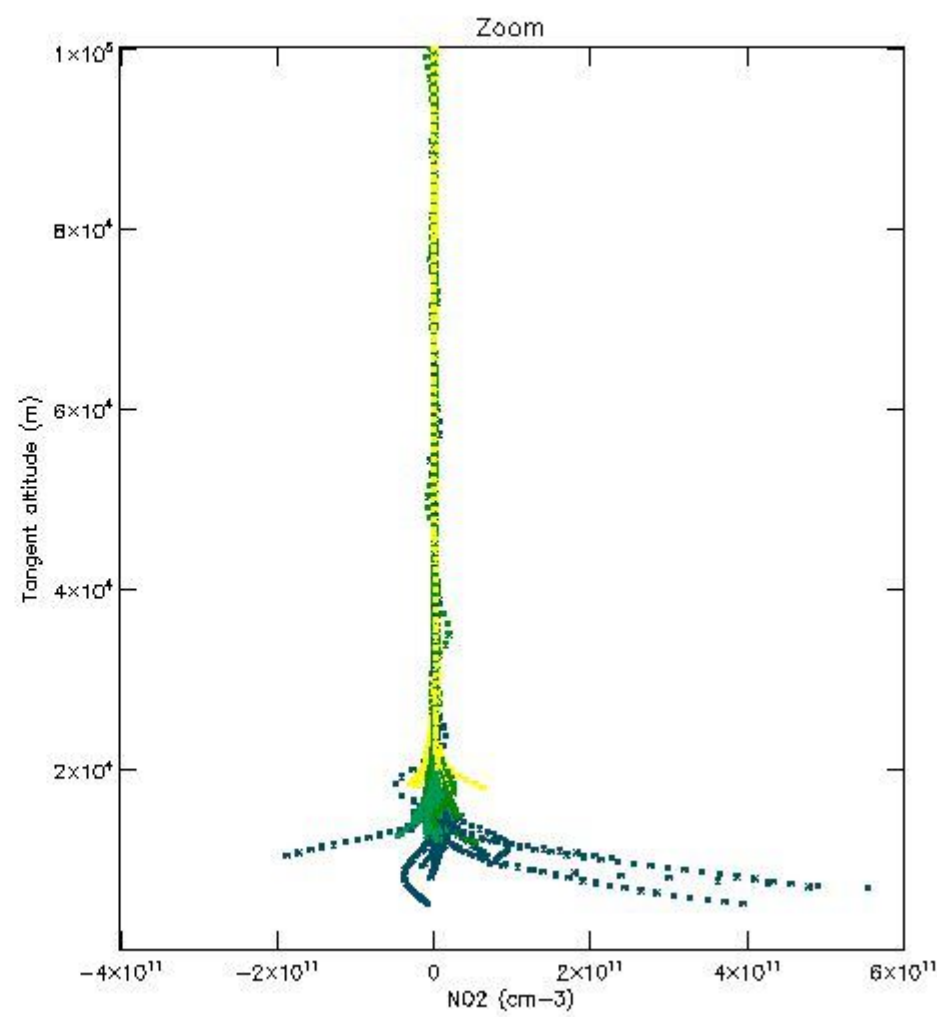
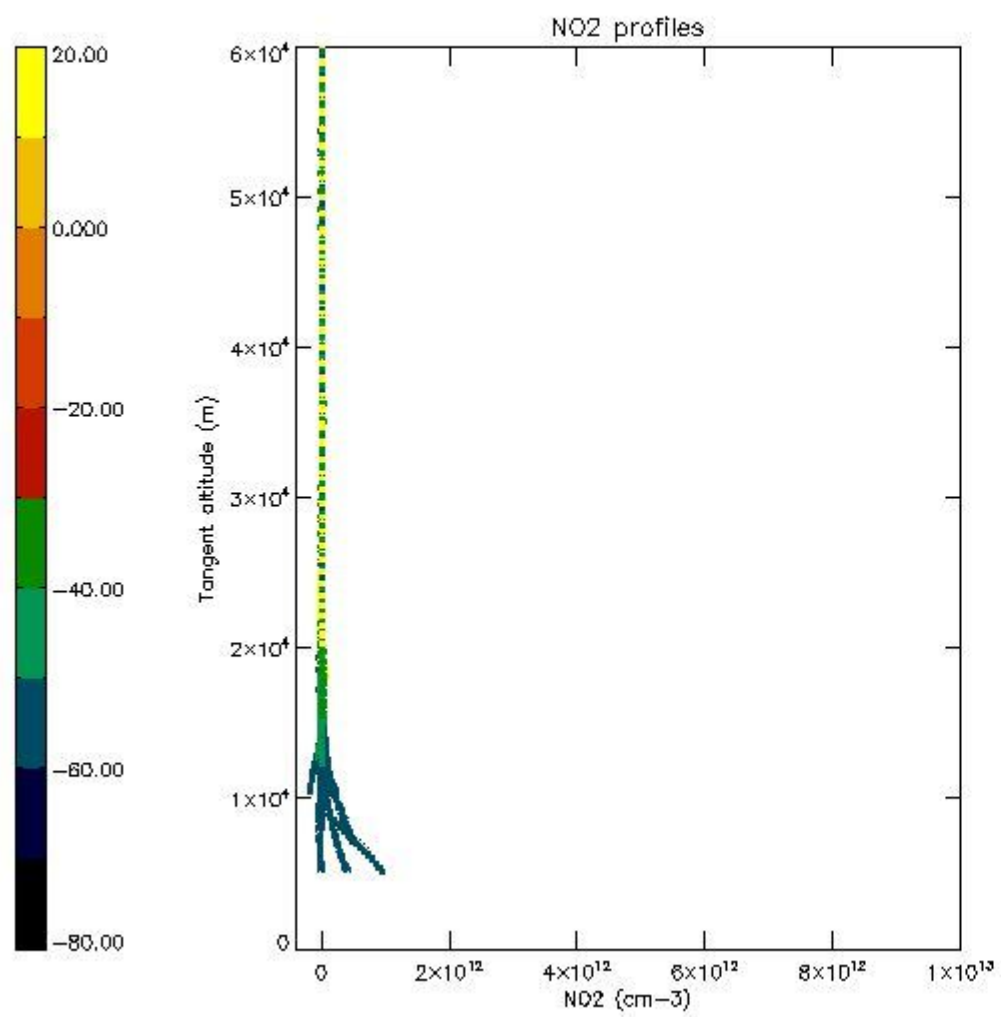
The colorbar represents the latitude.





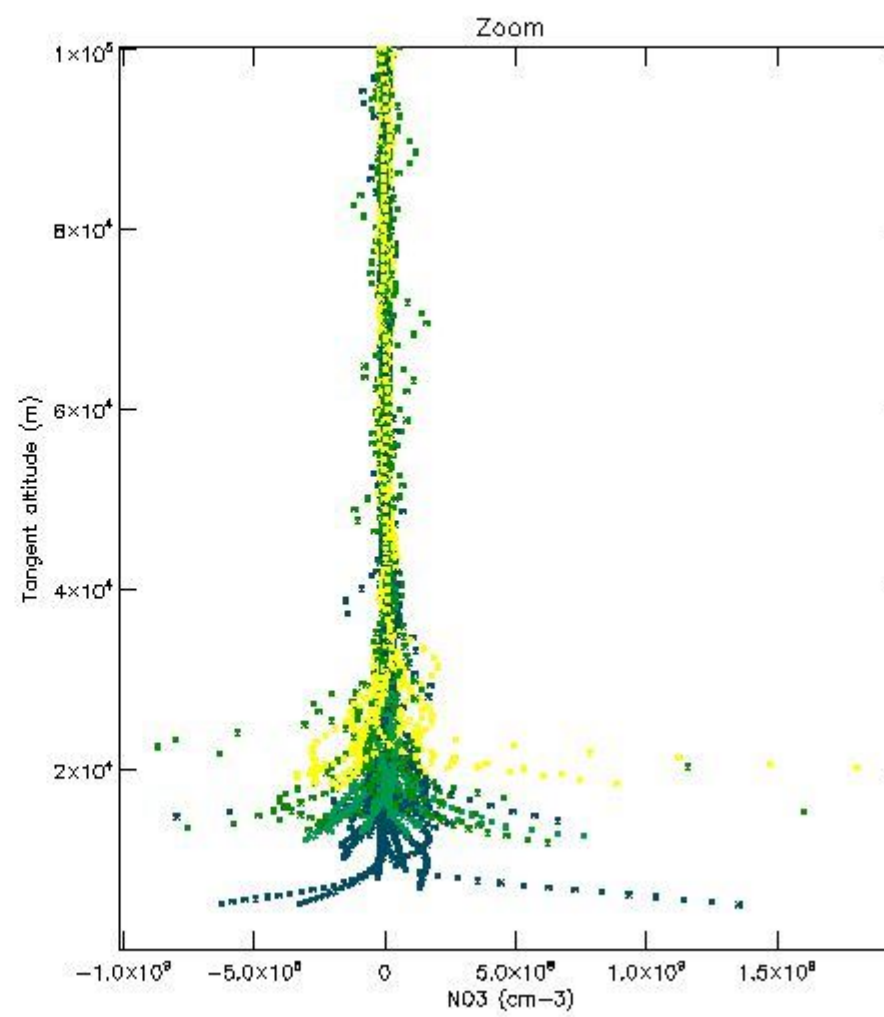
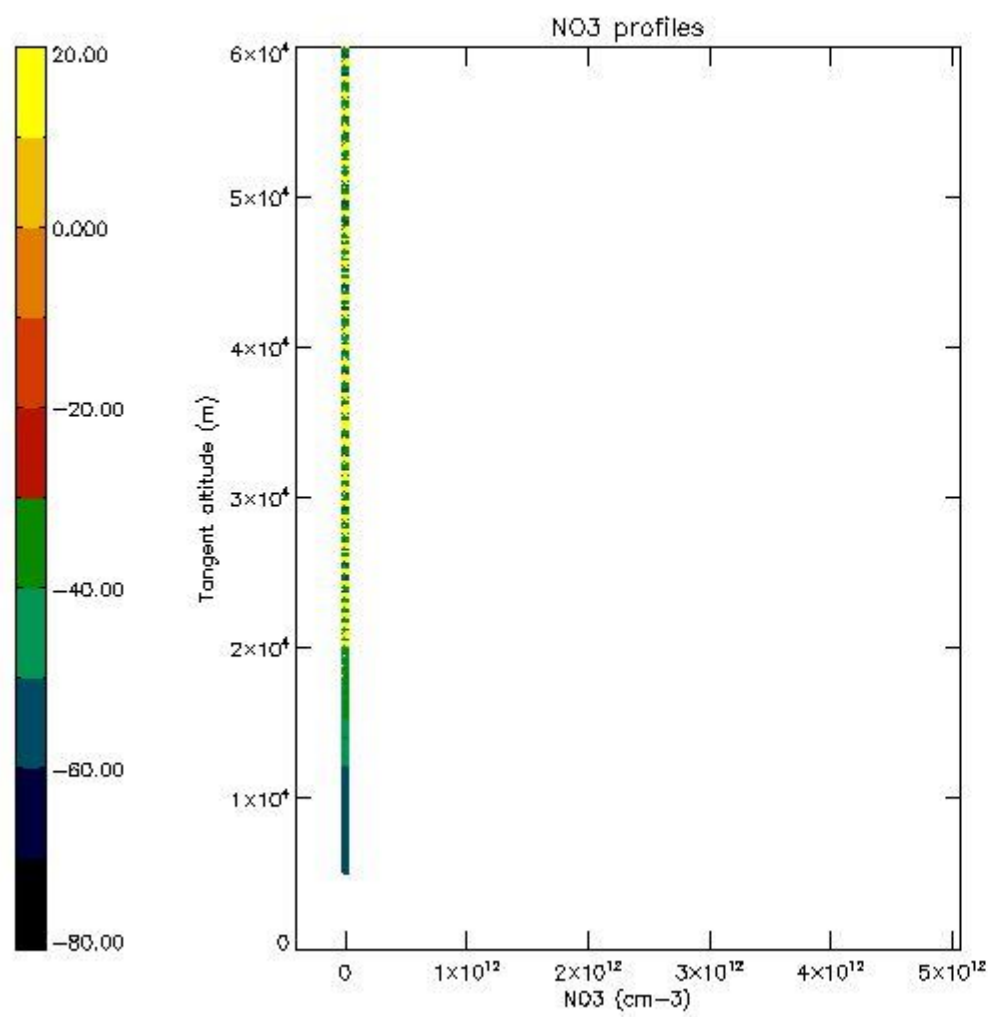
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



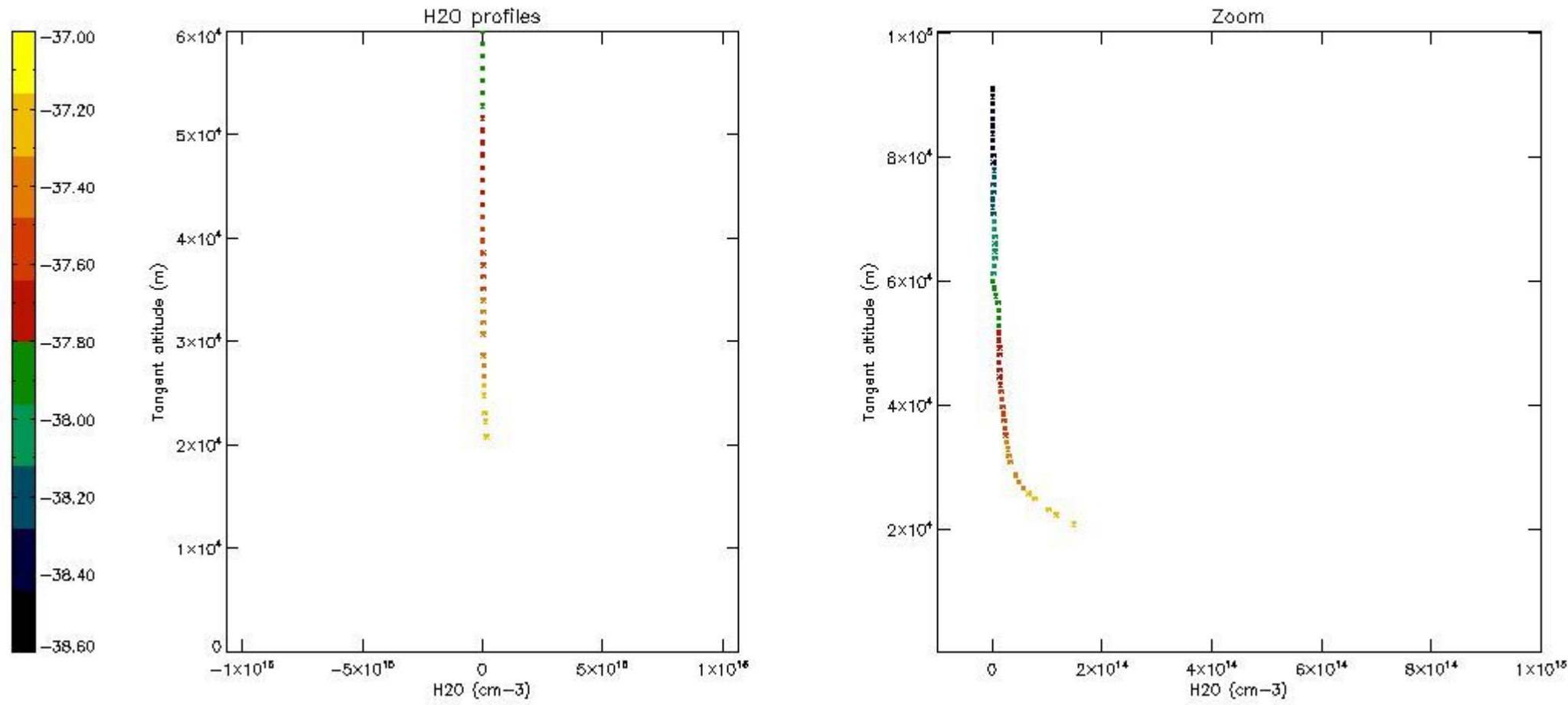
*5.7 Plot NO<sub>3</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.

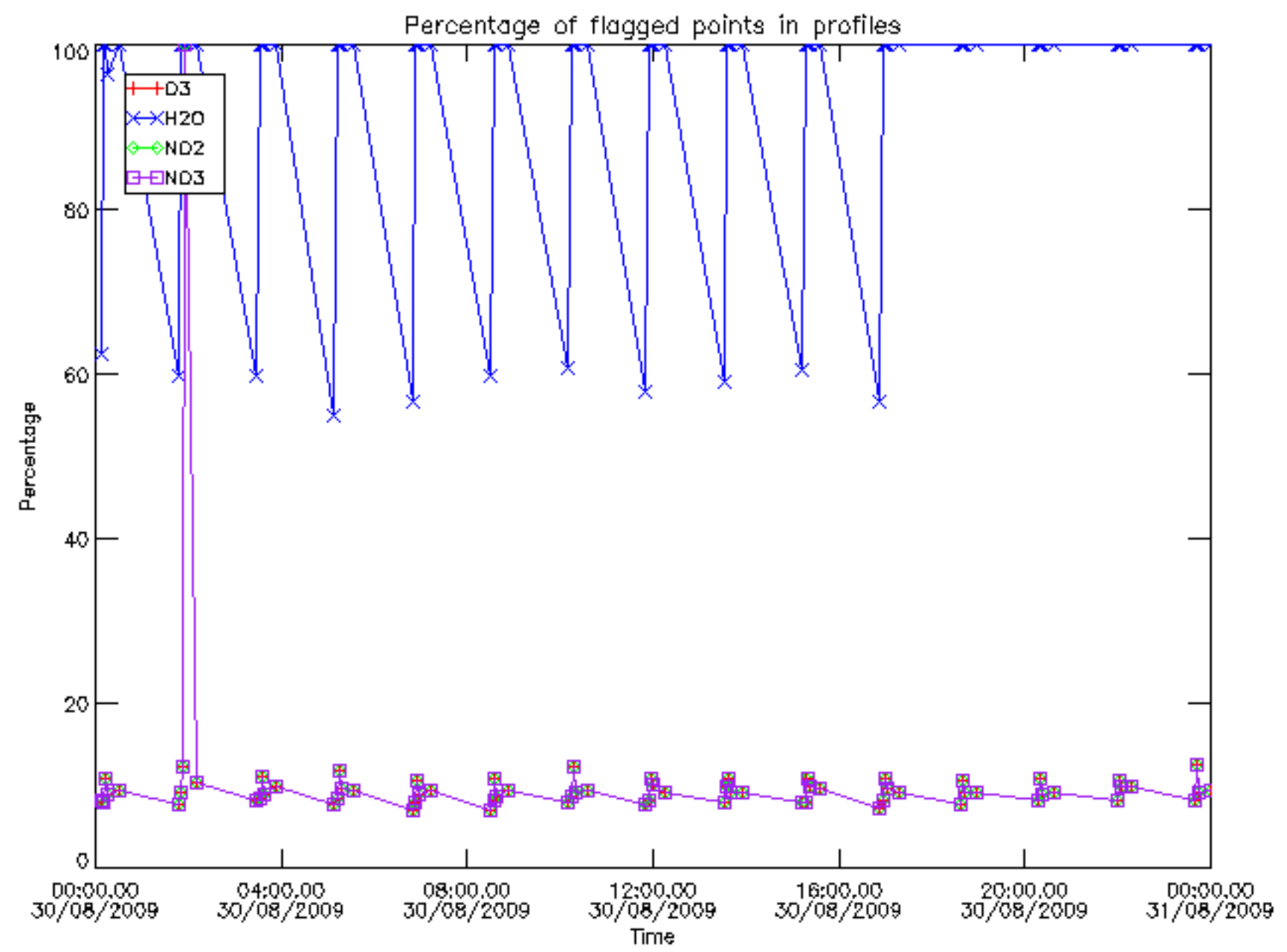


## 6. Auxiliary Data Files used for the production reported in section 2

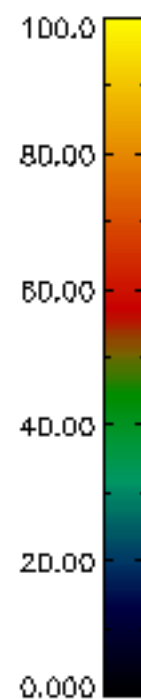
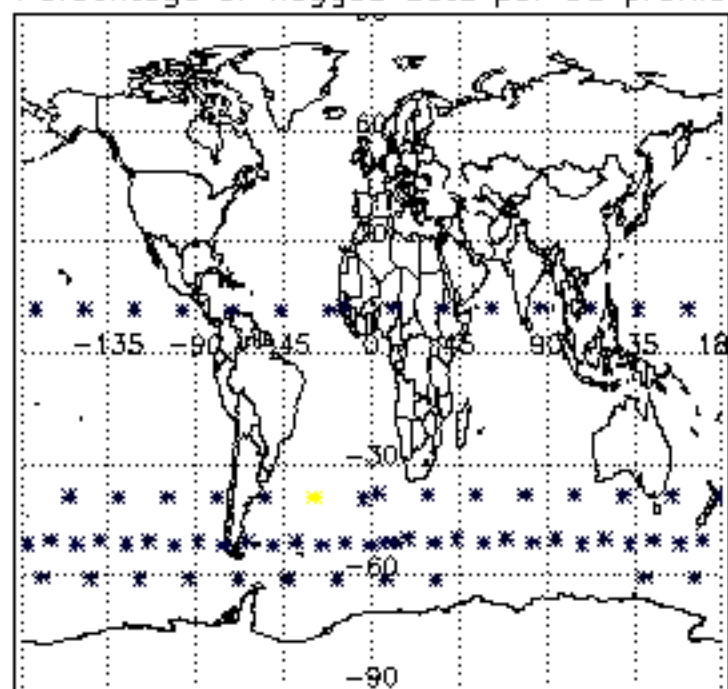
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-AUG-2009 00:00:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-AUG-2009 00:00:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-AUG-2009 00:00:33

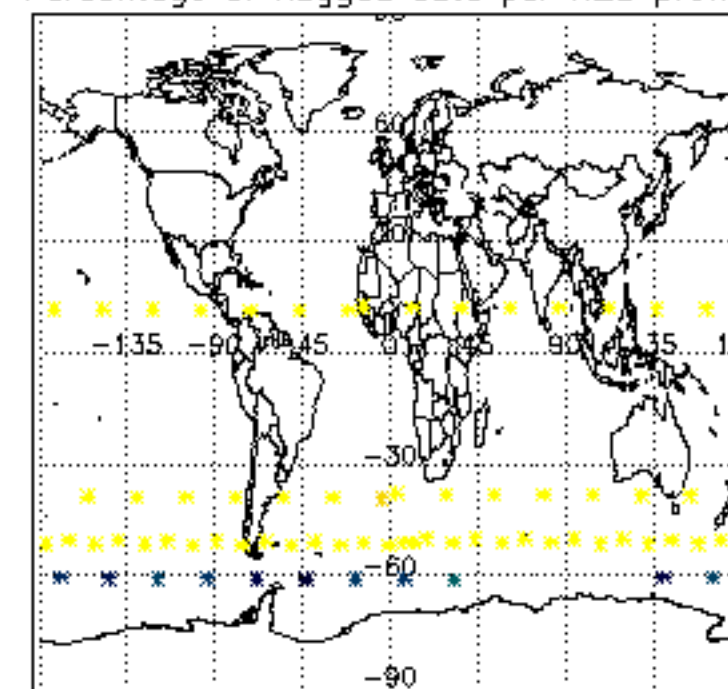




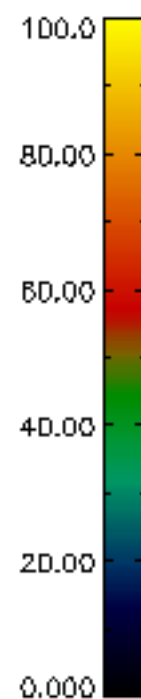
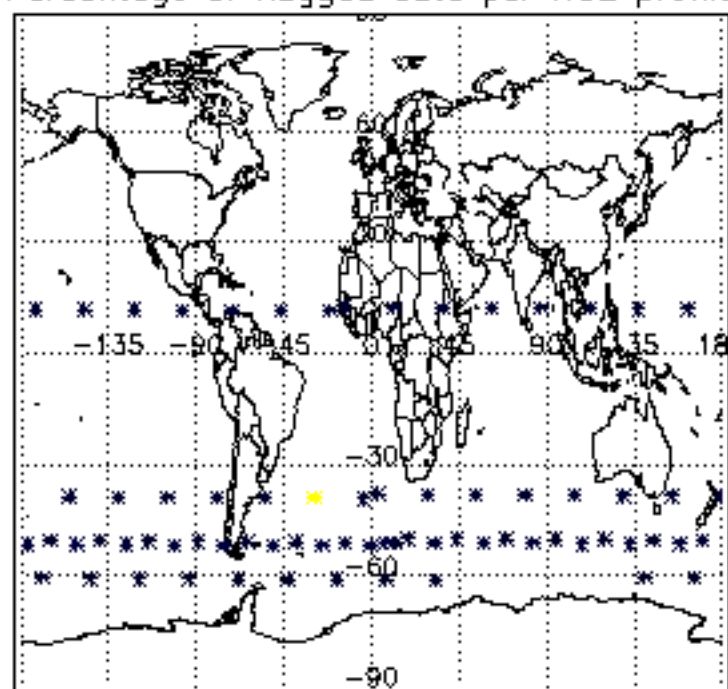
Percentage of flagged data per D3 profile



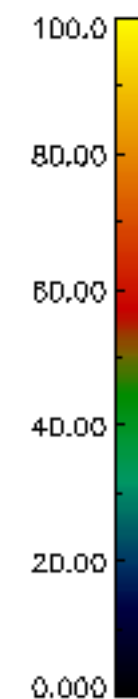
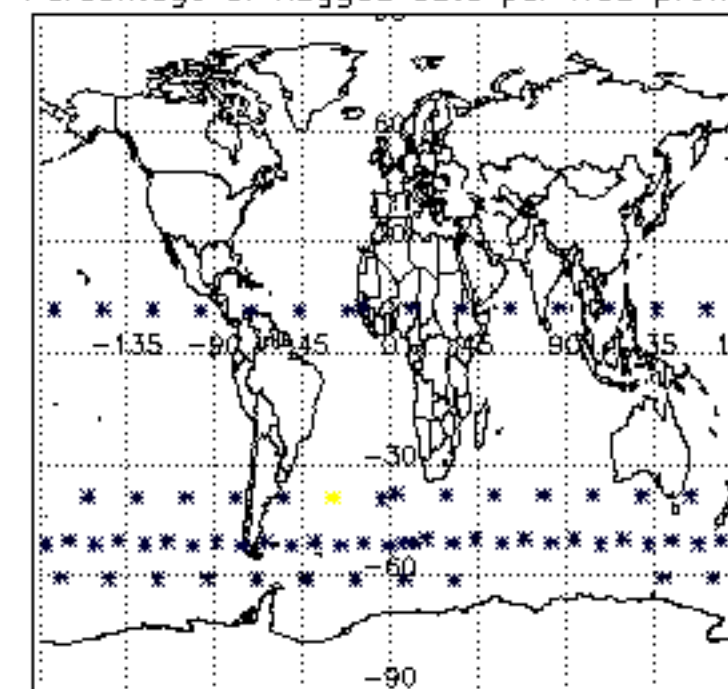
Percentage of flagged data per H2O profile

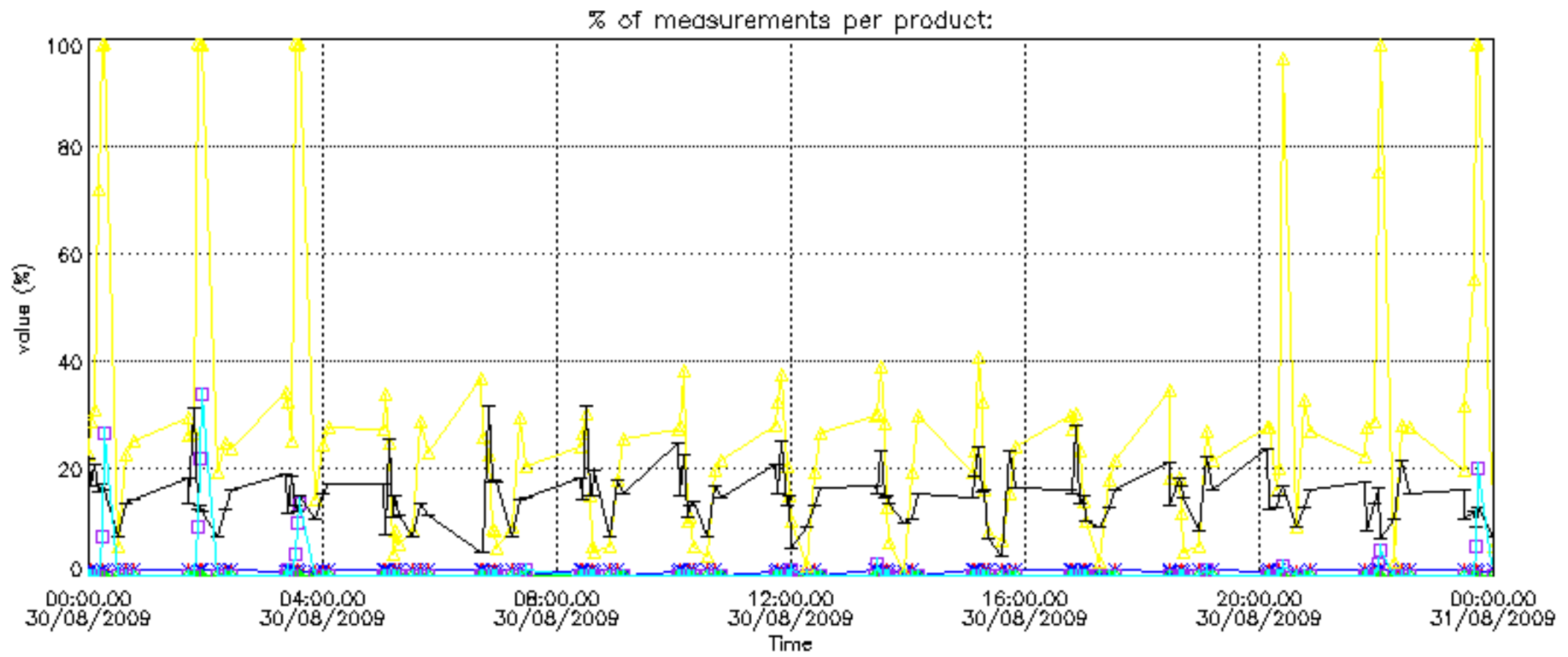


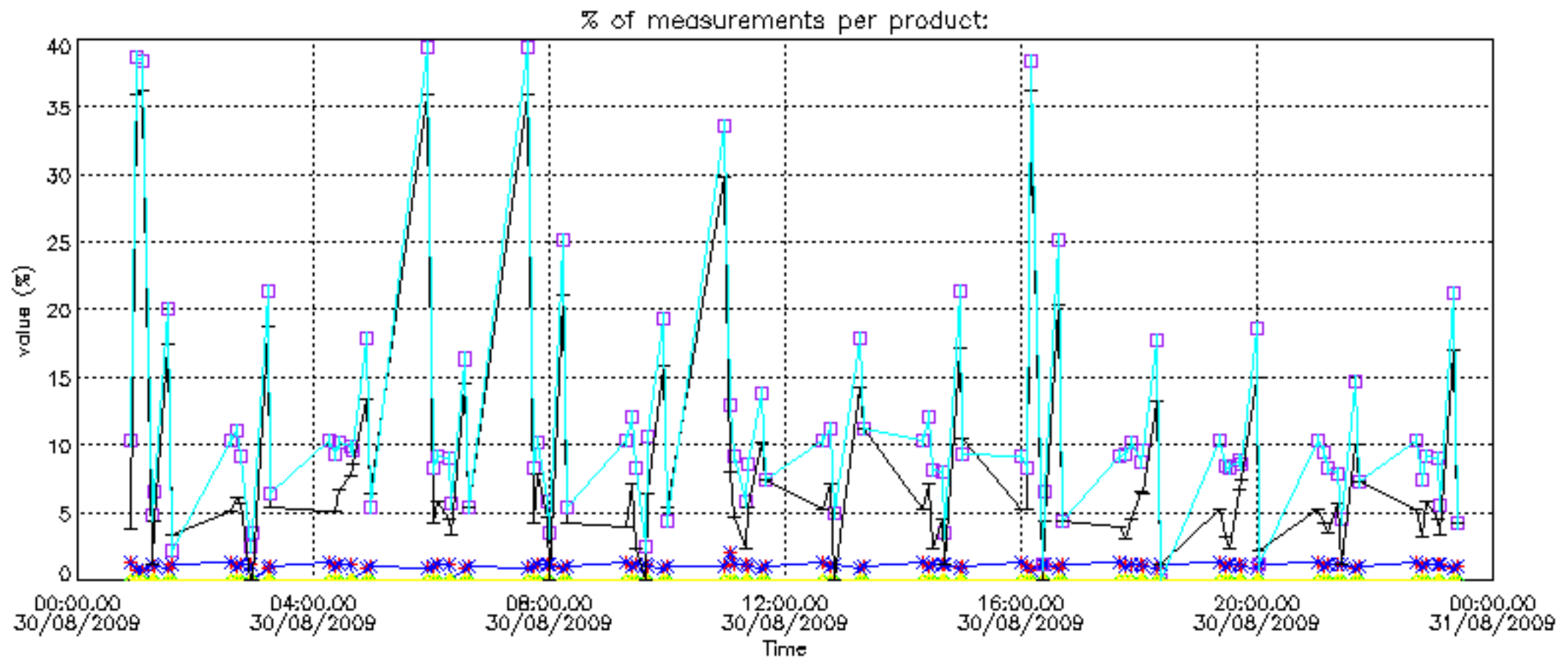
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

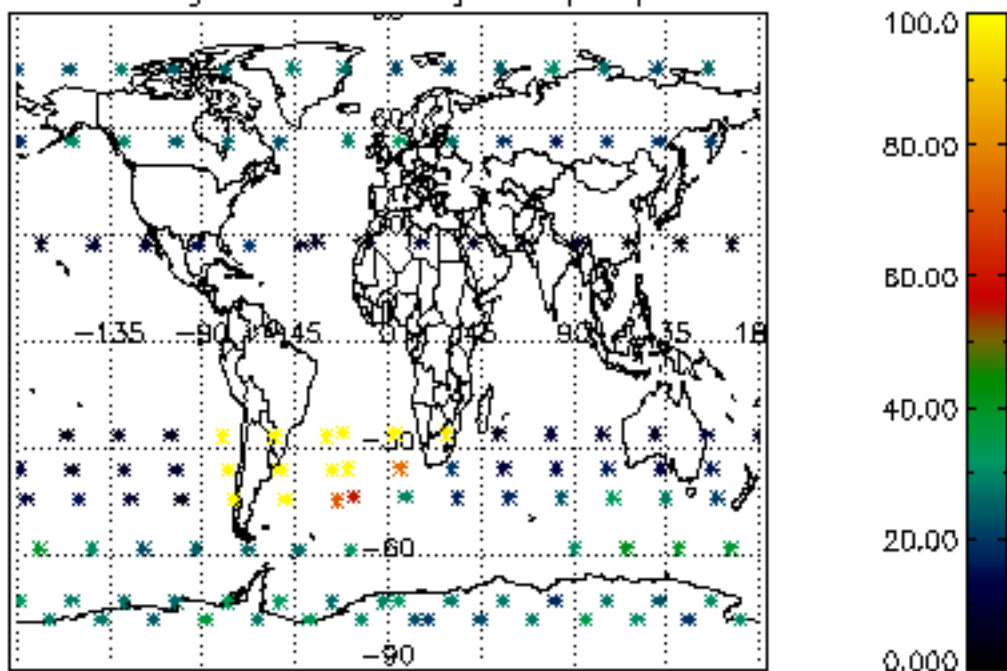




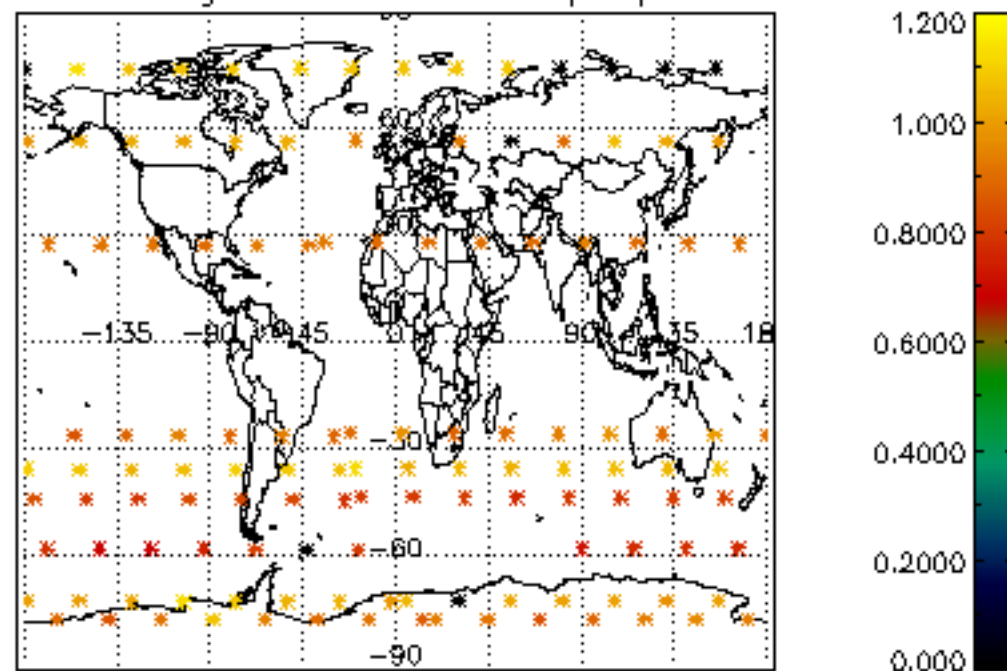




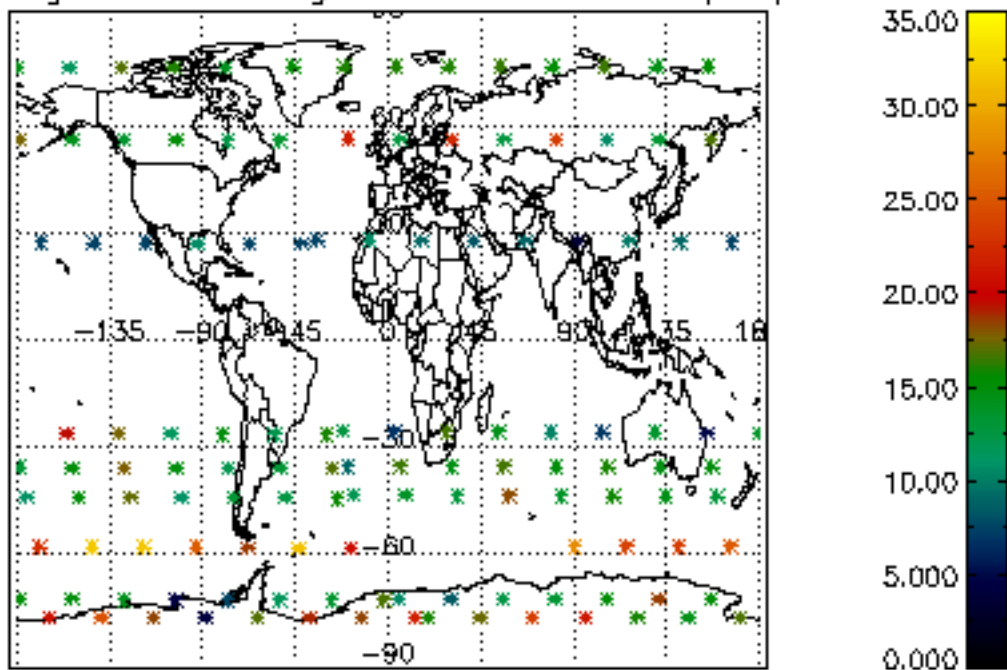
Percentage of cosmic ray hits per profile



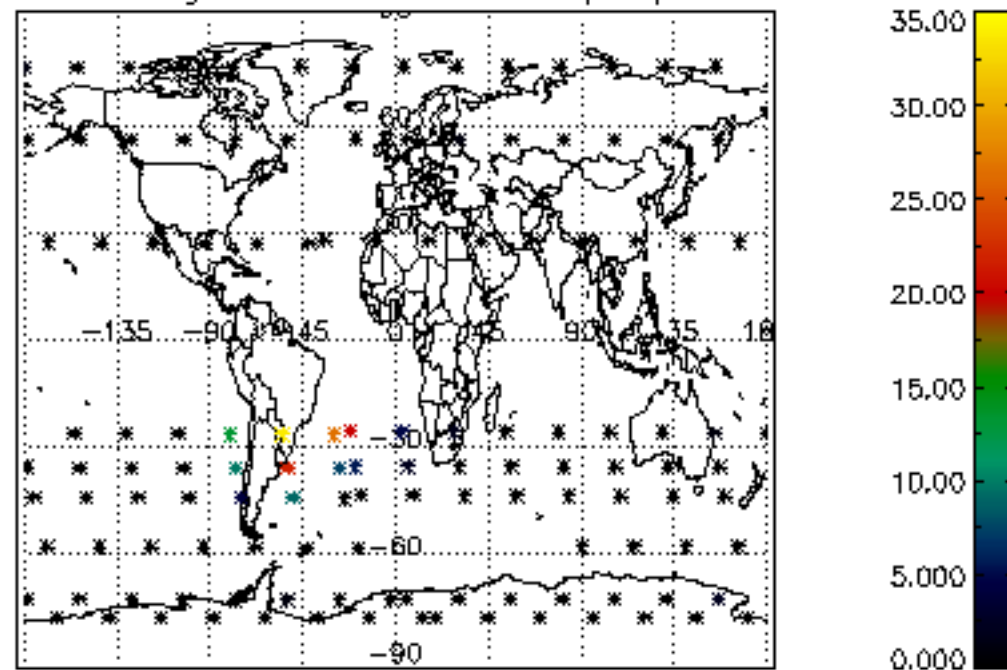
Percentage of datation errors per profile



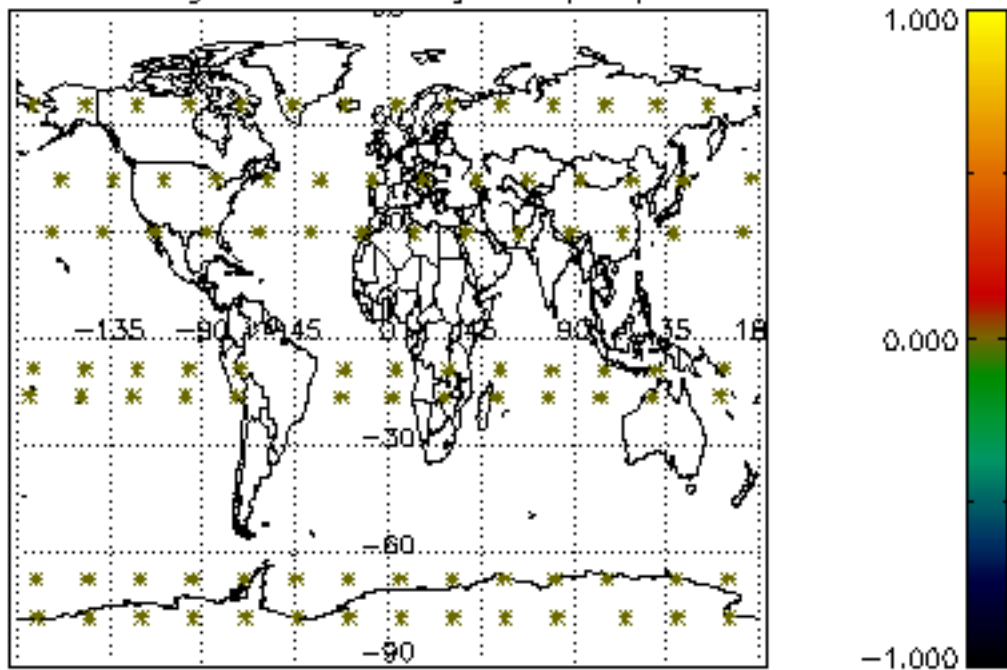
Percentage of star falling outside central band per profile



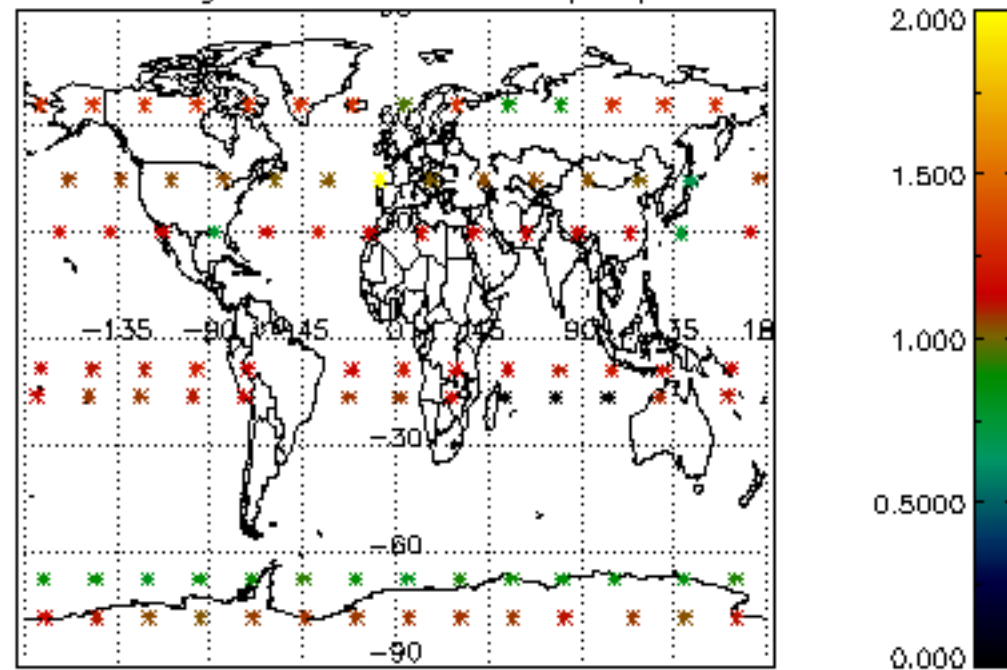
Percentage of saturation errors per profile



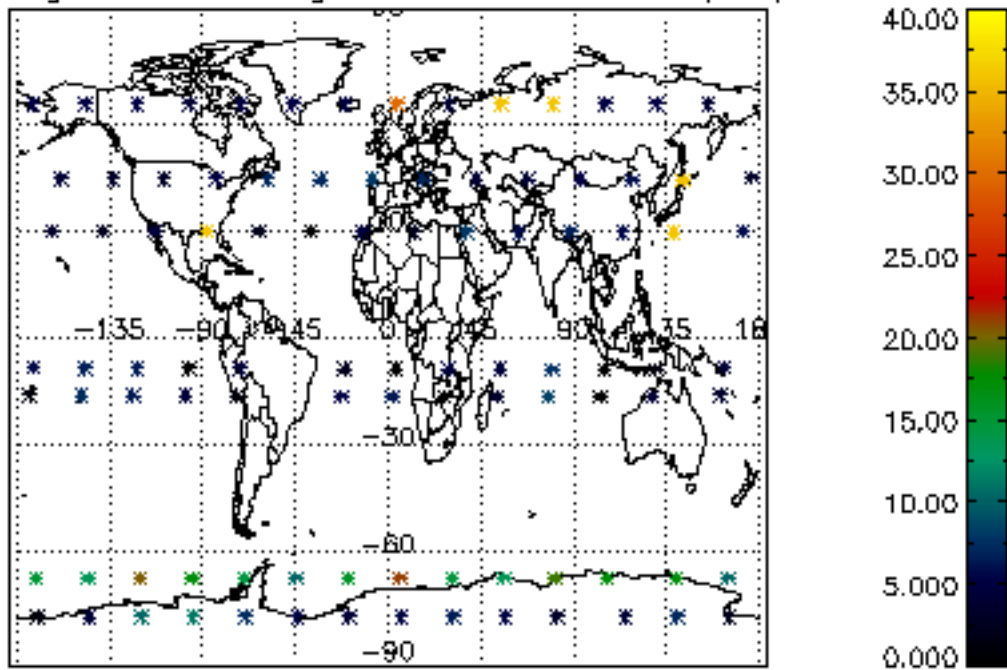
Percentage of cosmic ray hits per profile



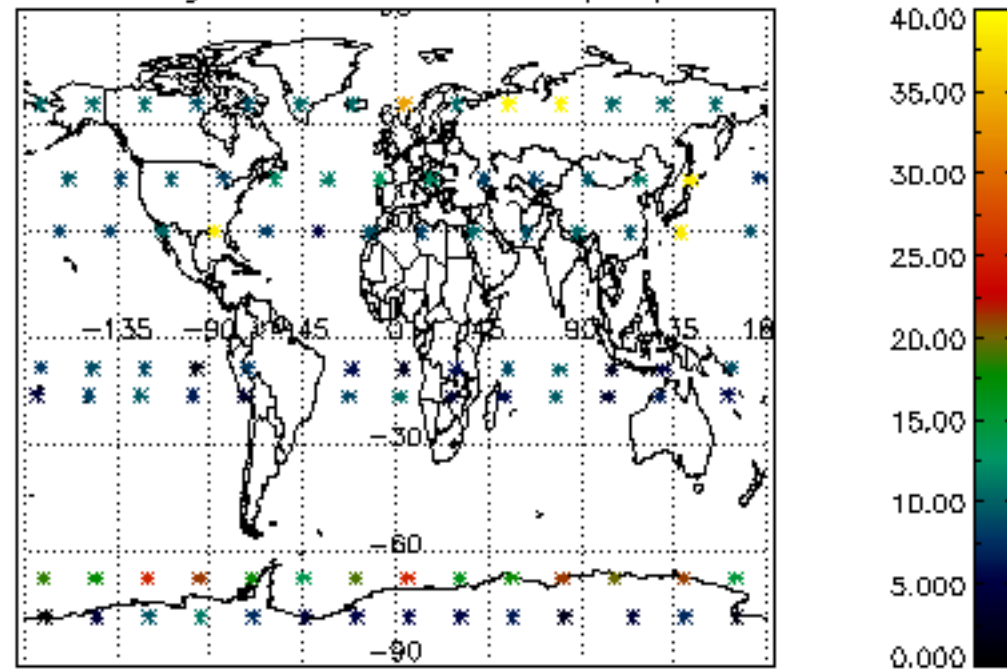
Percentage of datation errors per profile

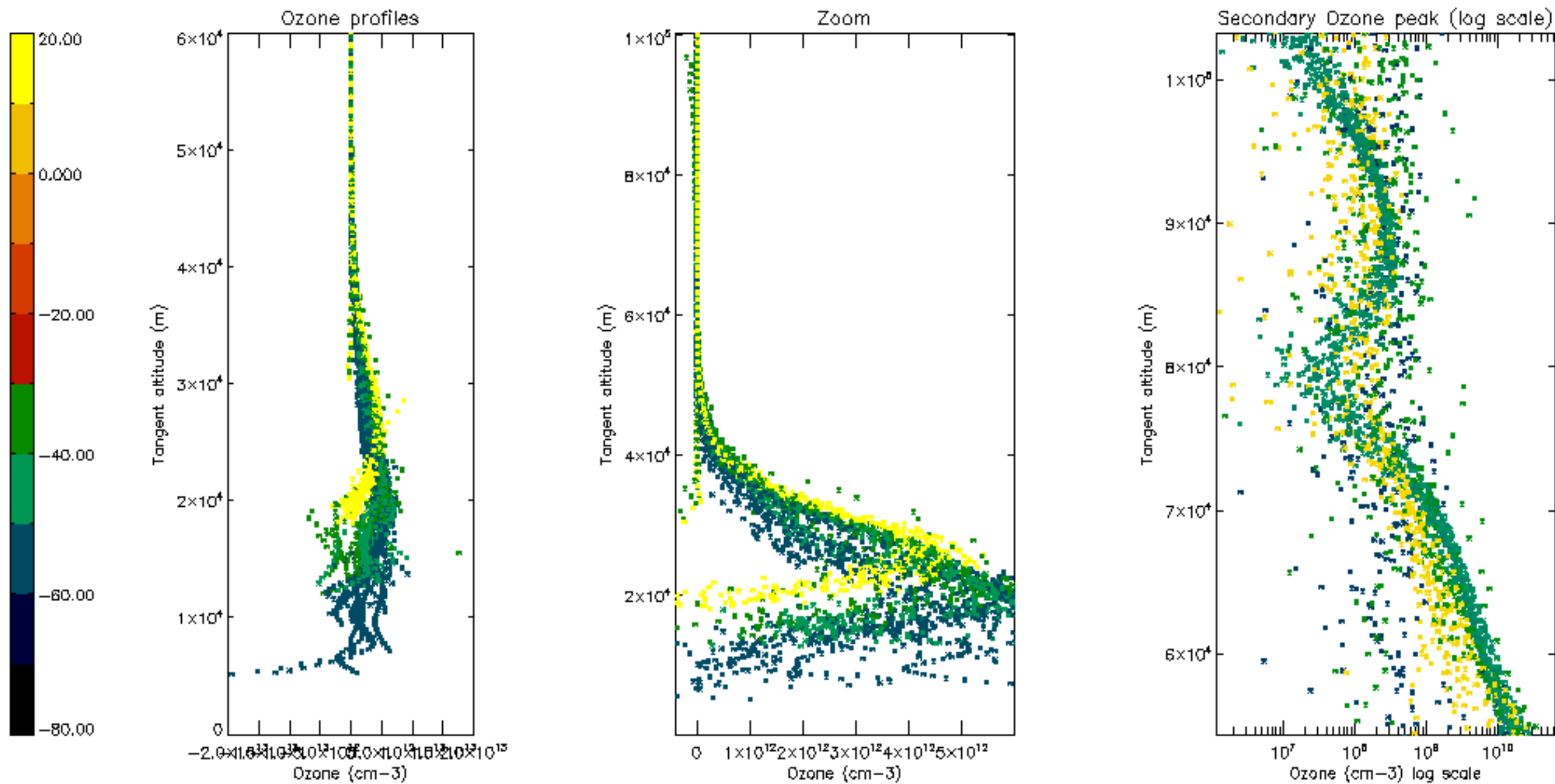


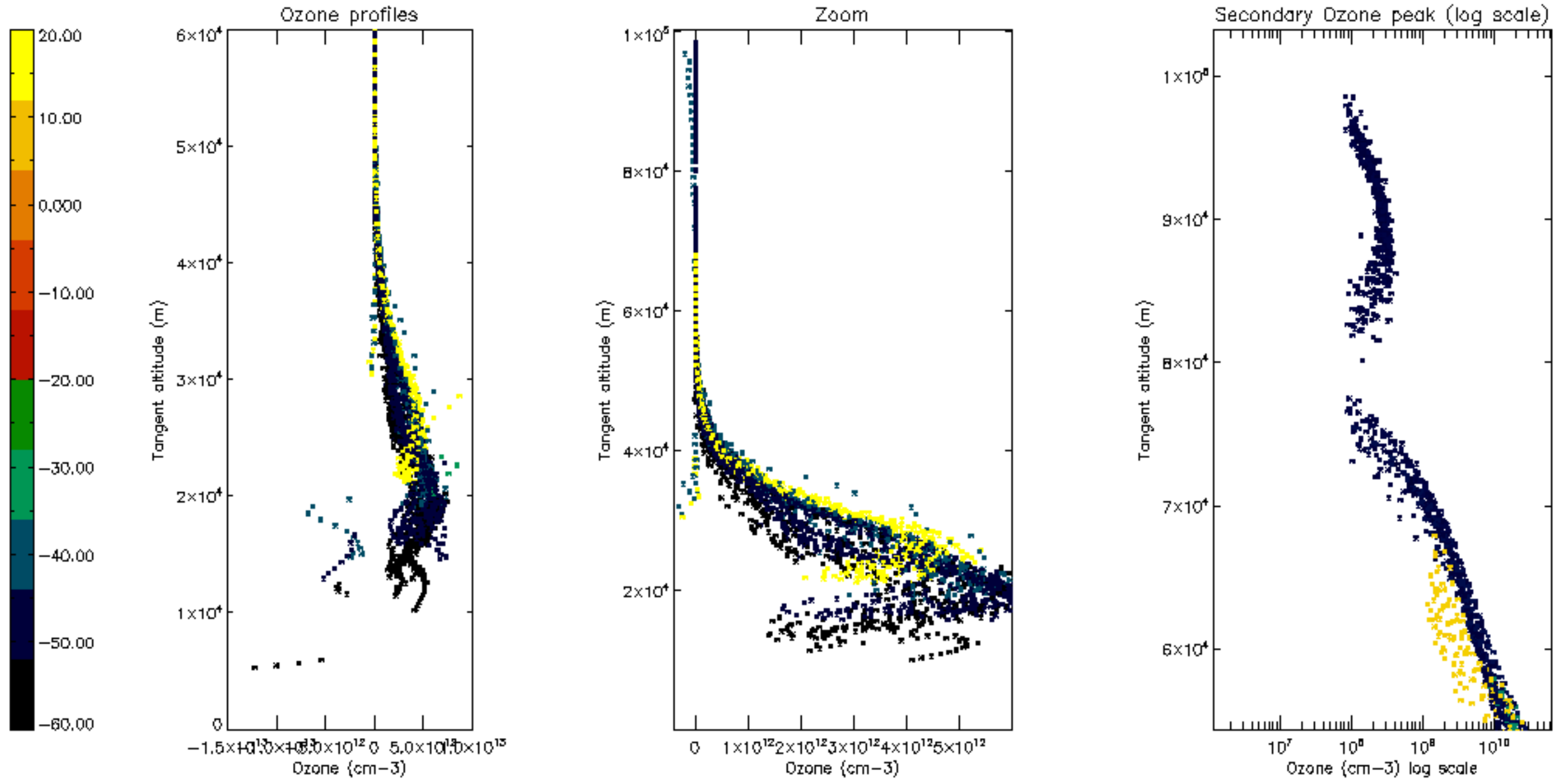
Percentage of star falling outside central band per profile



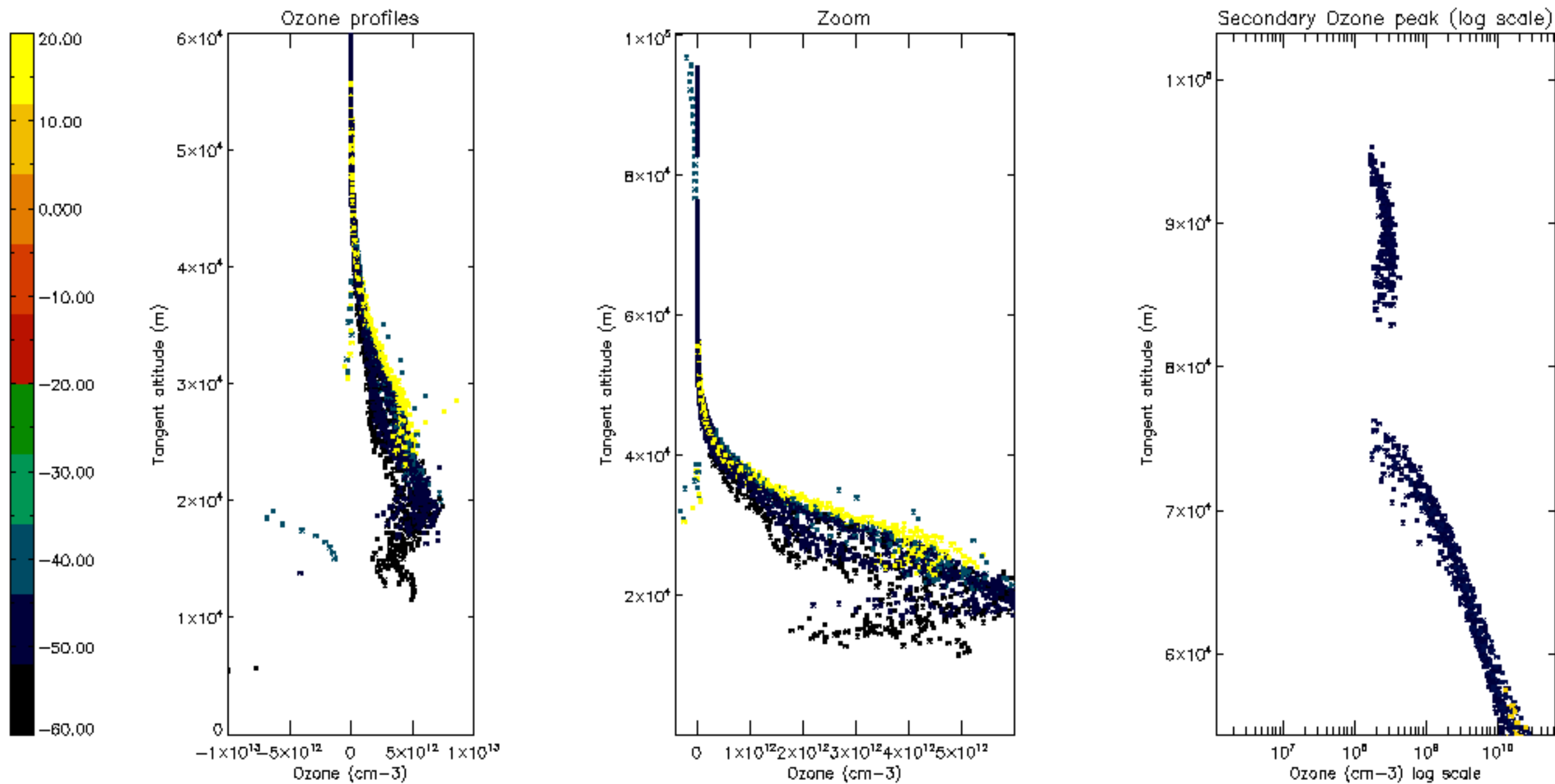
Percentage of saturation errors per profile

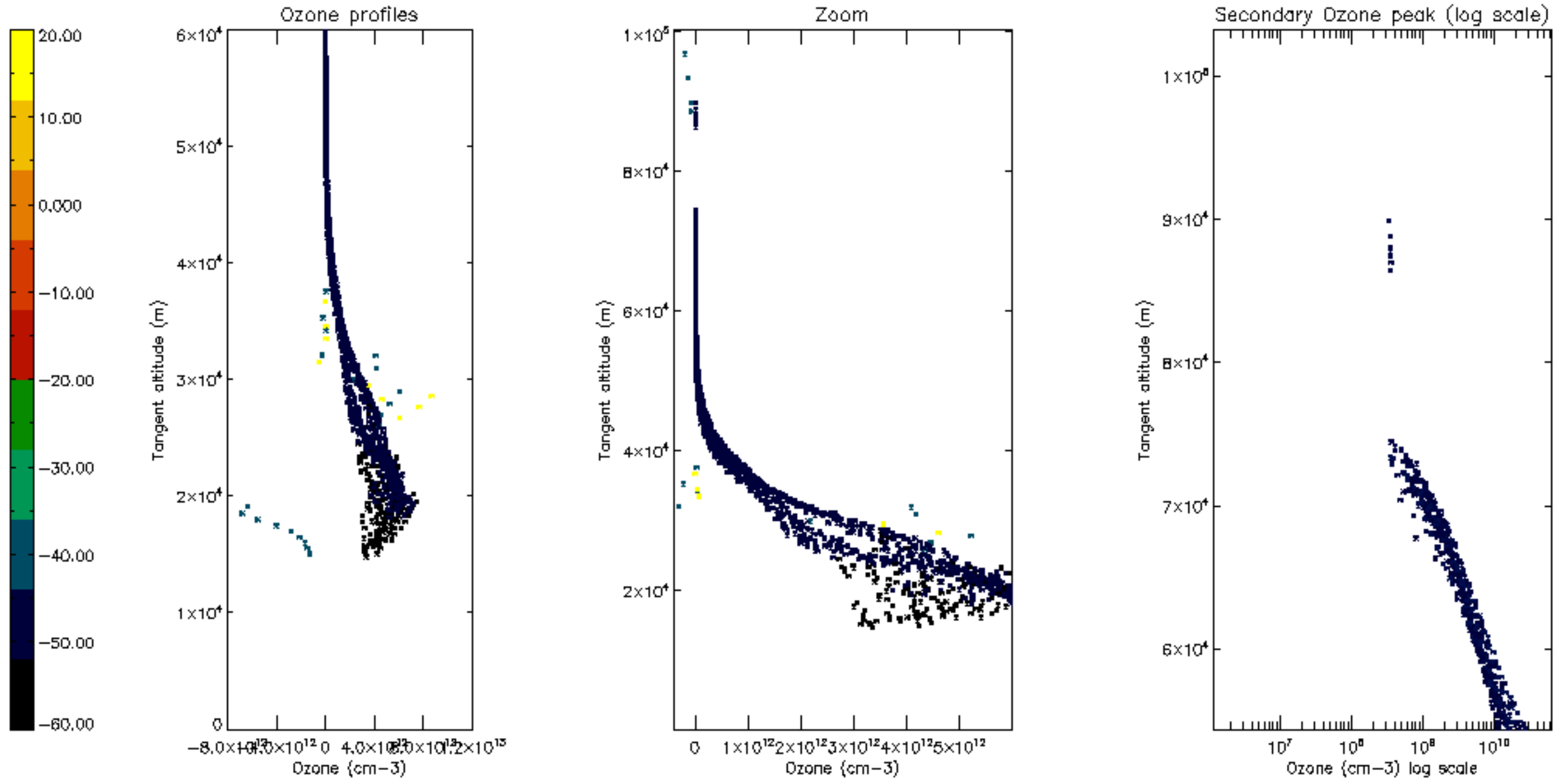


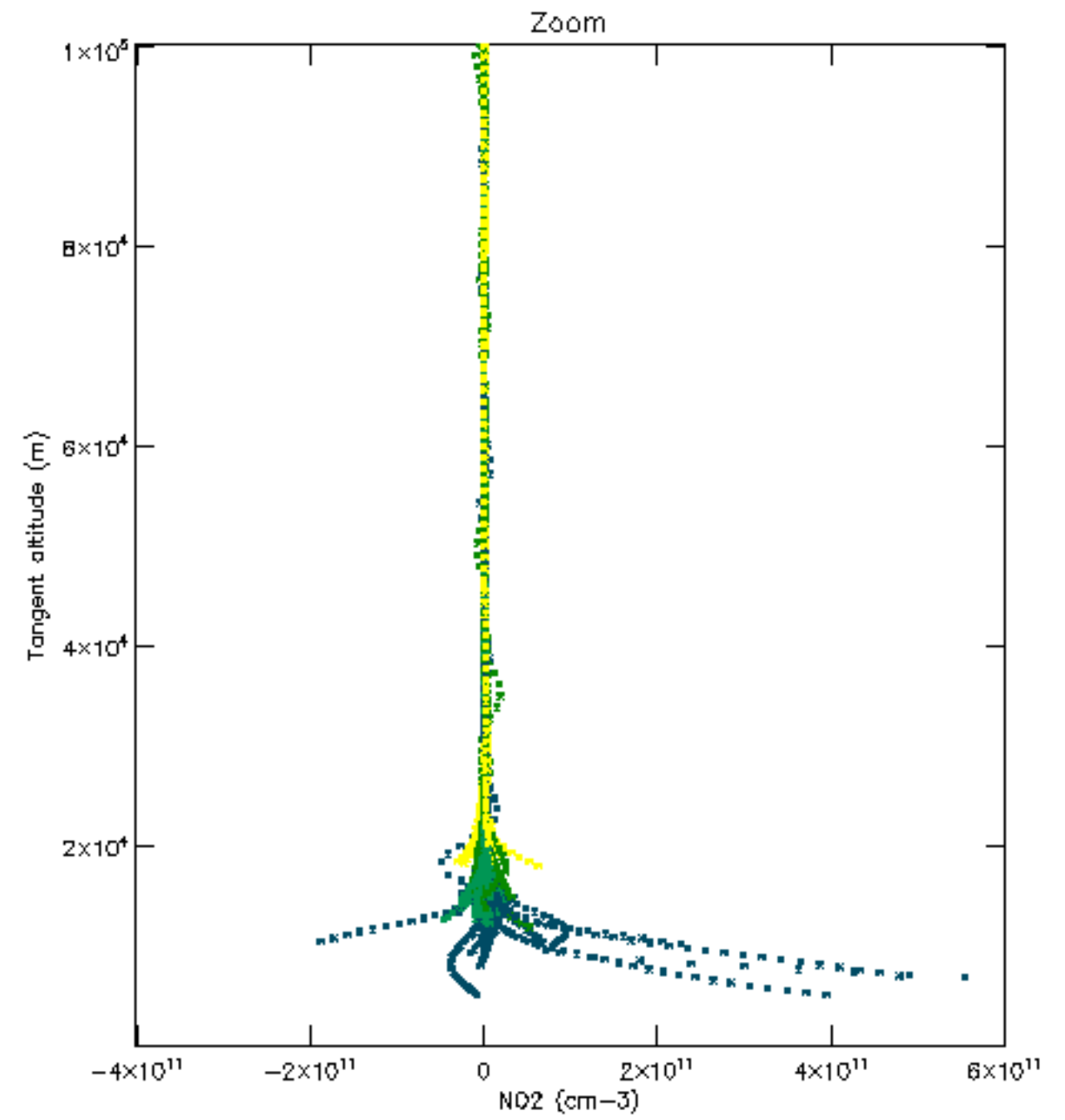
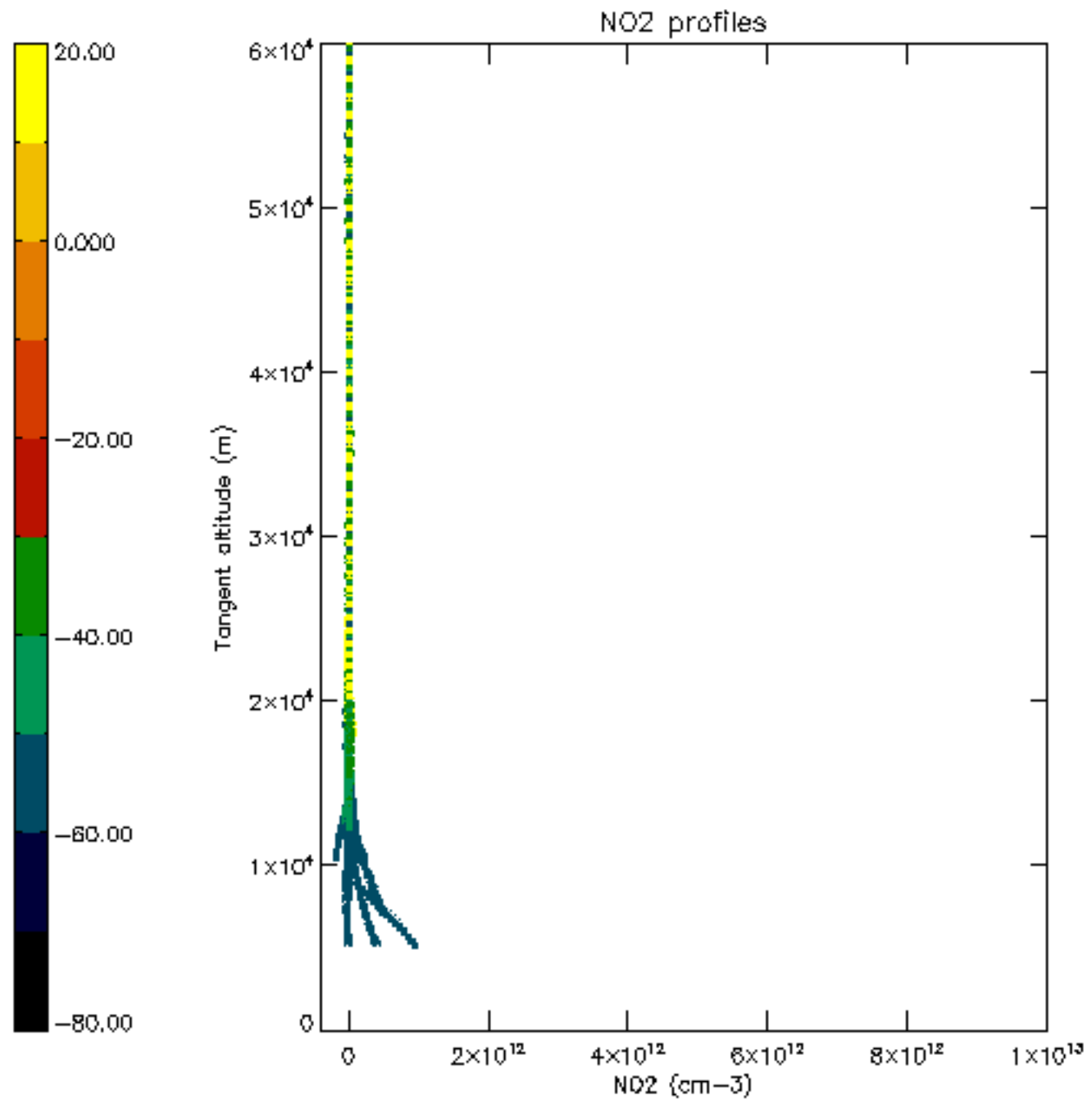


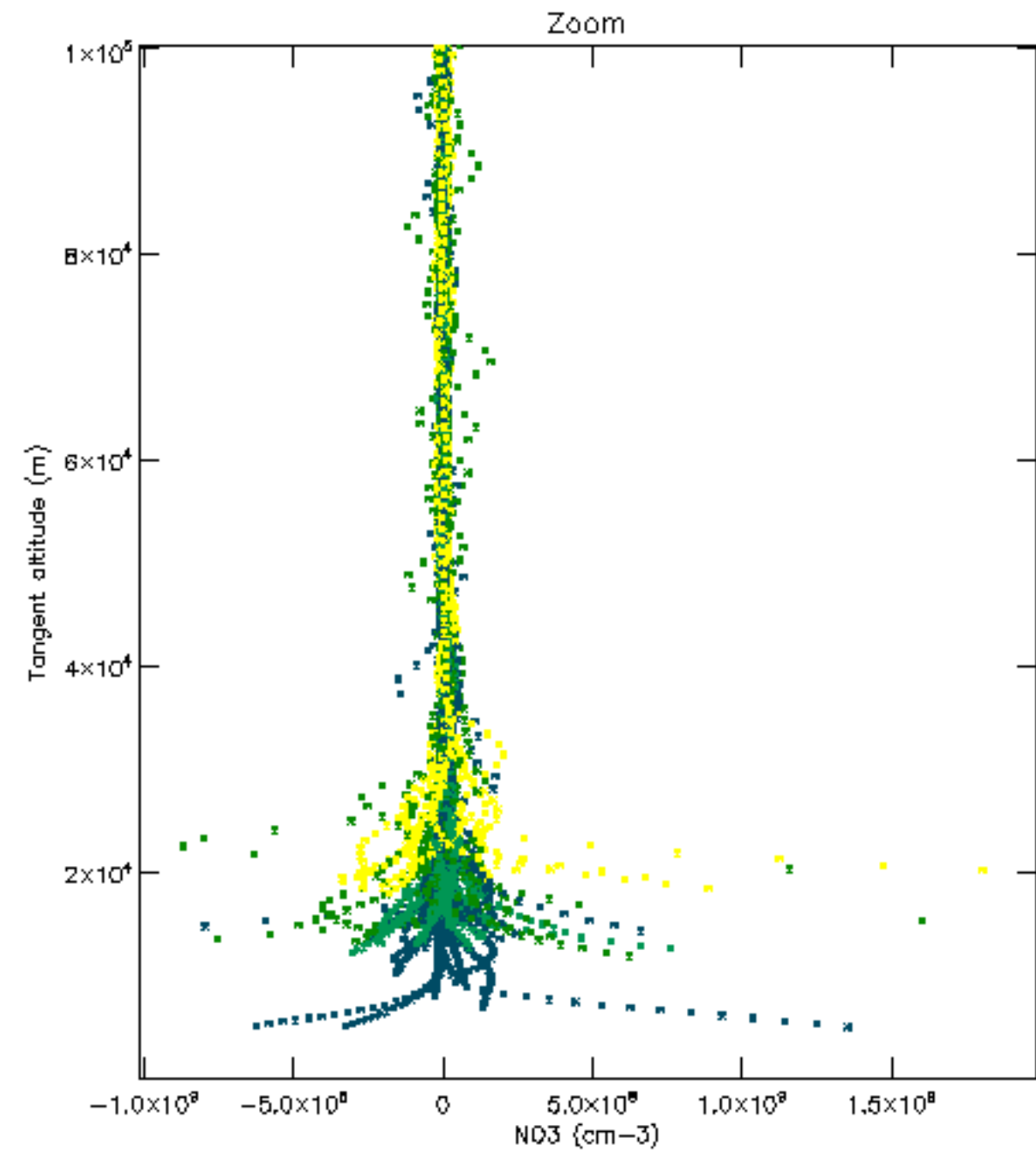
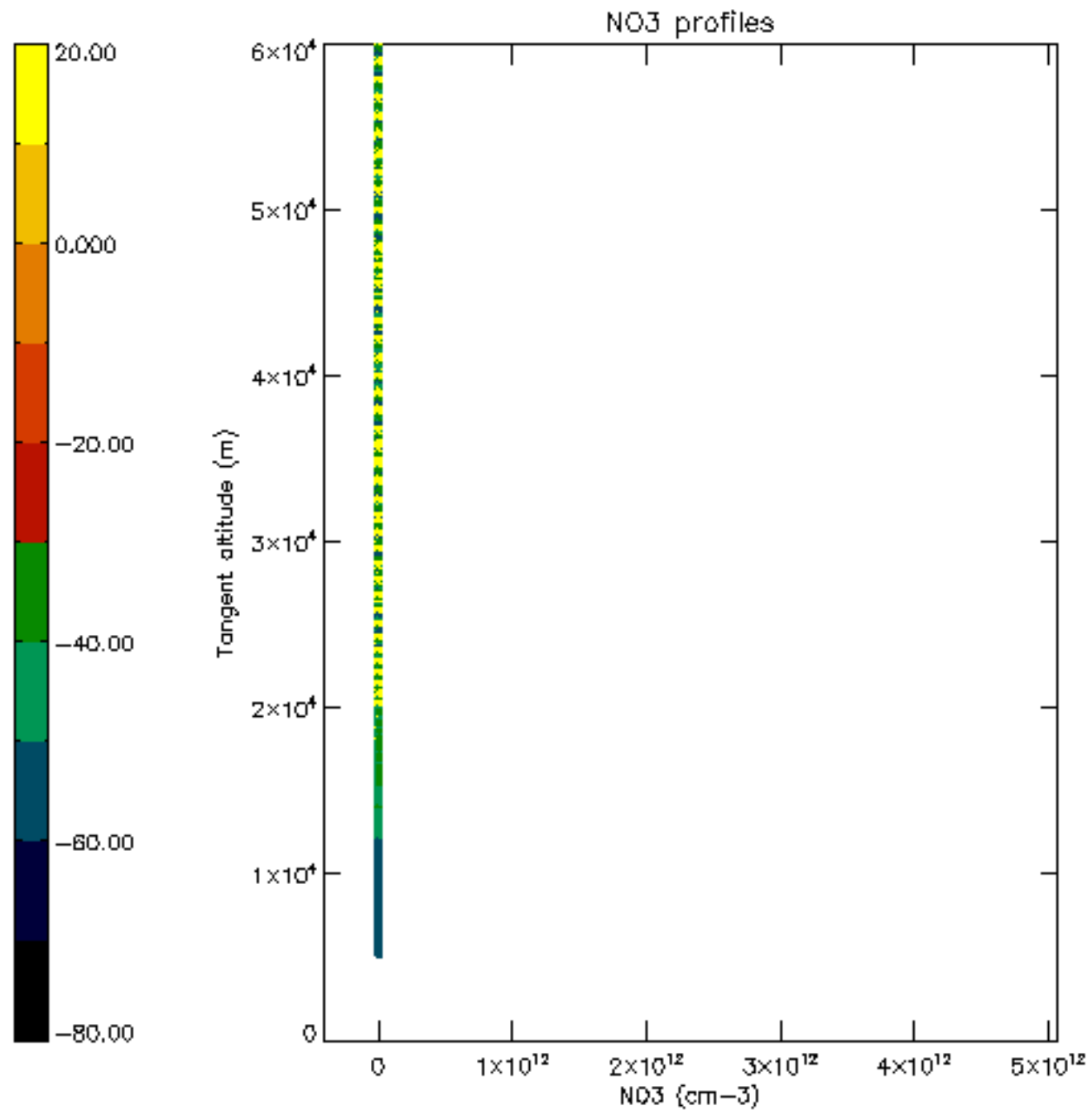




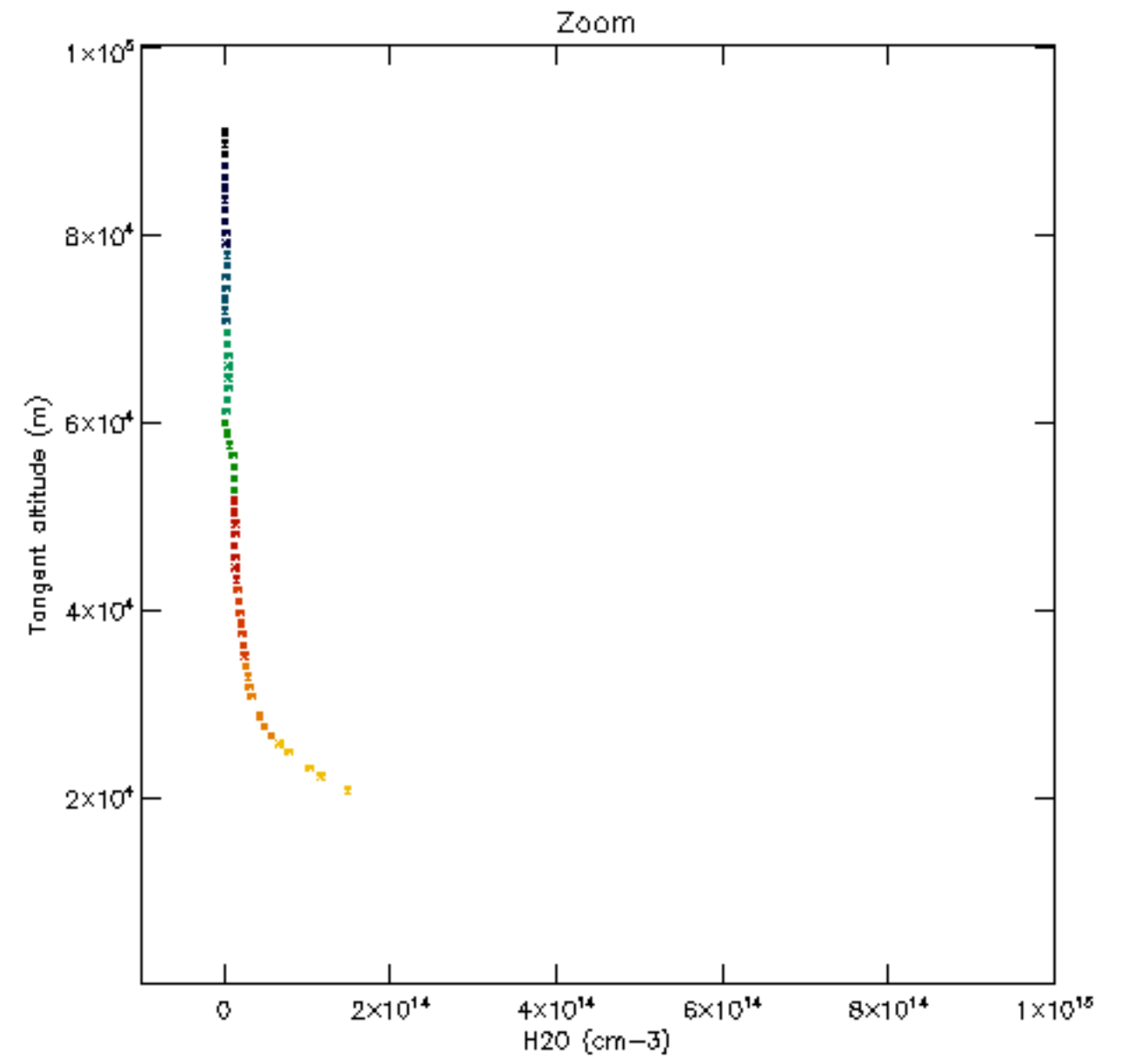
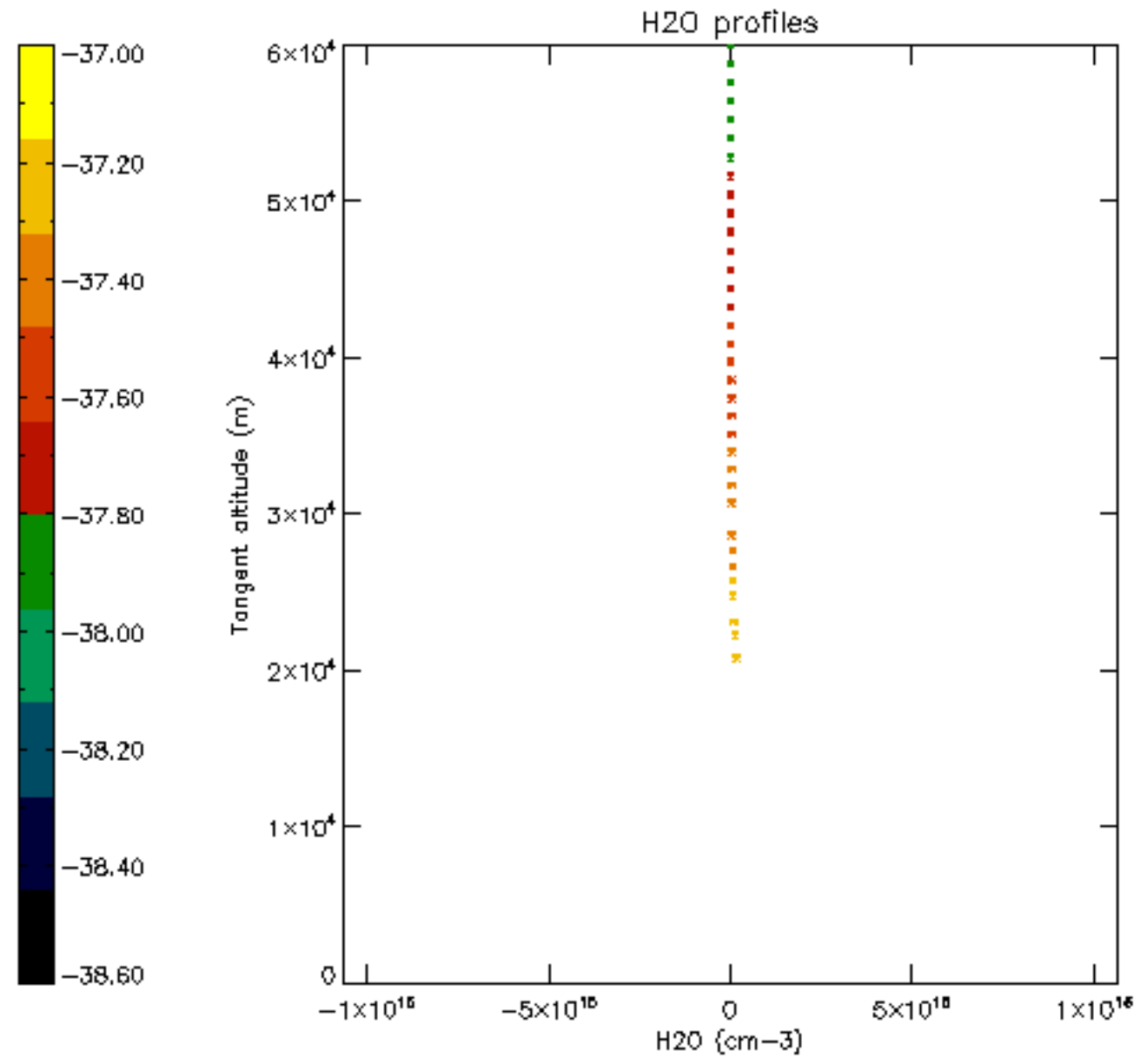


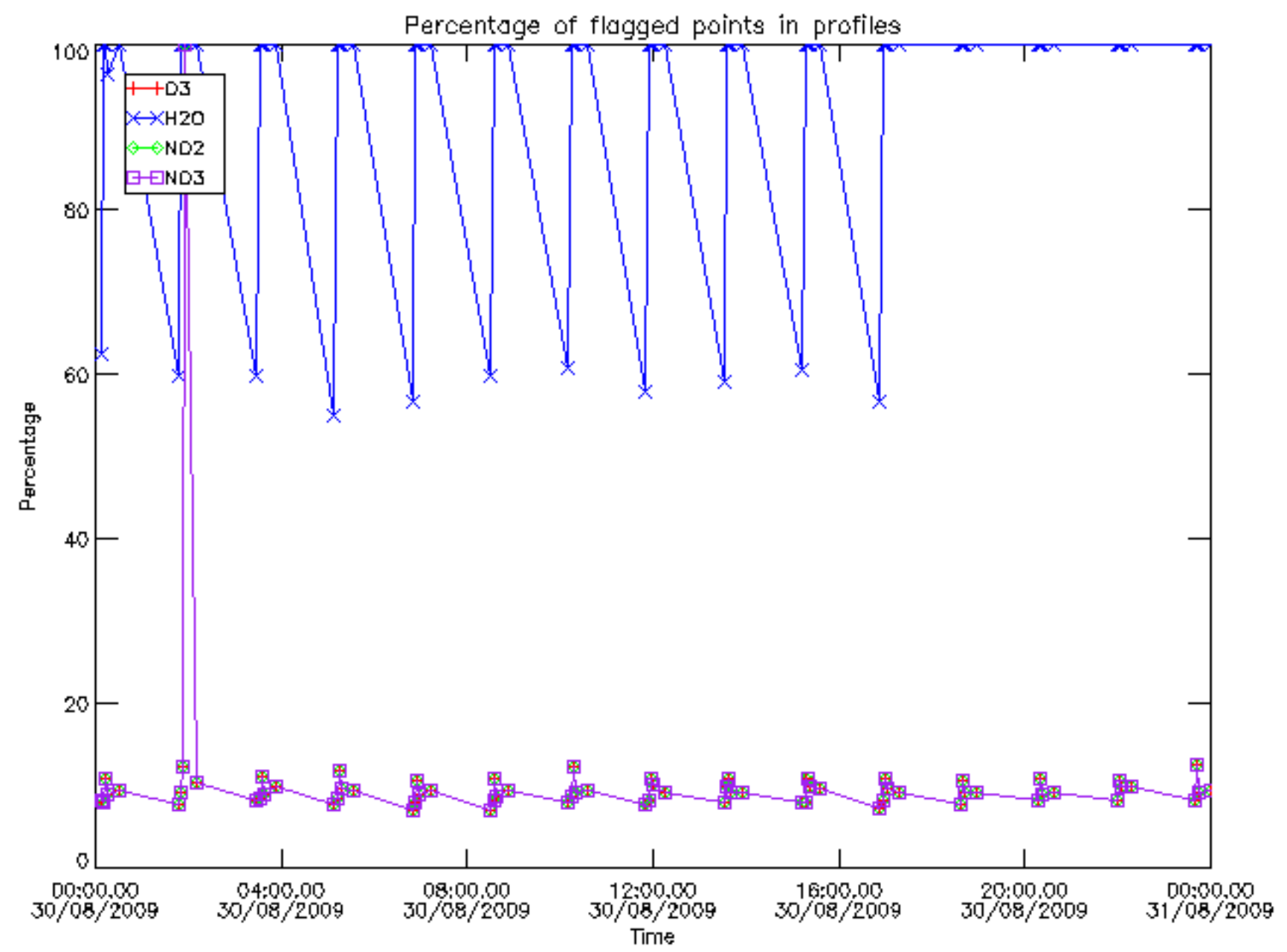




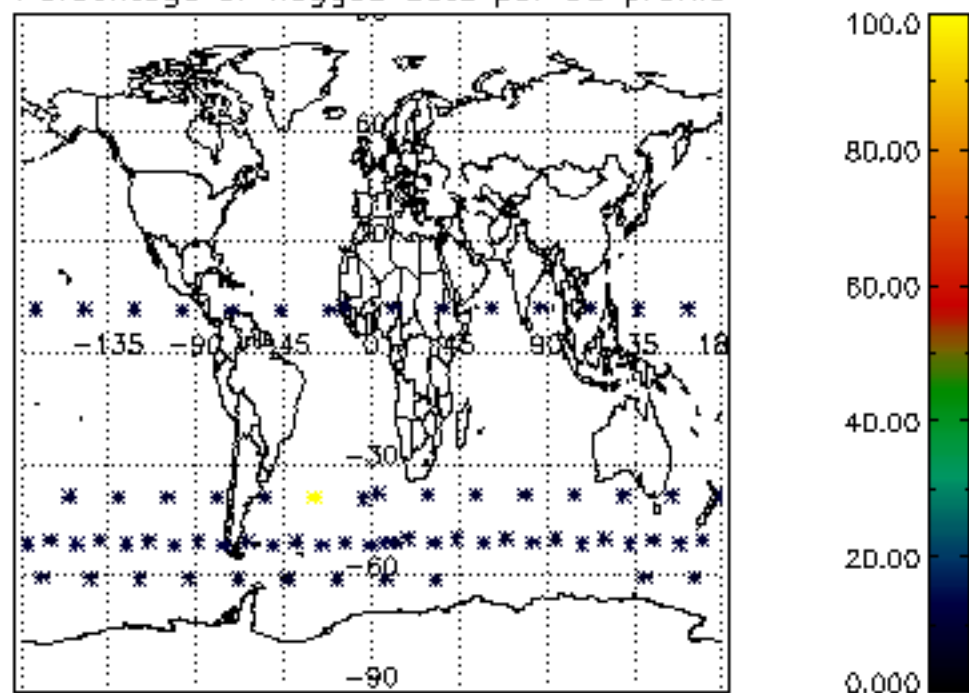




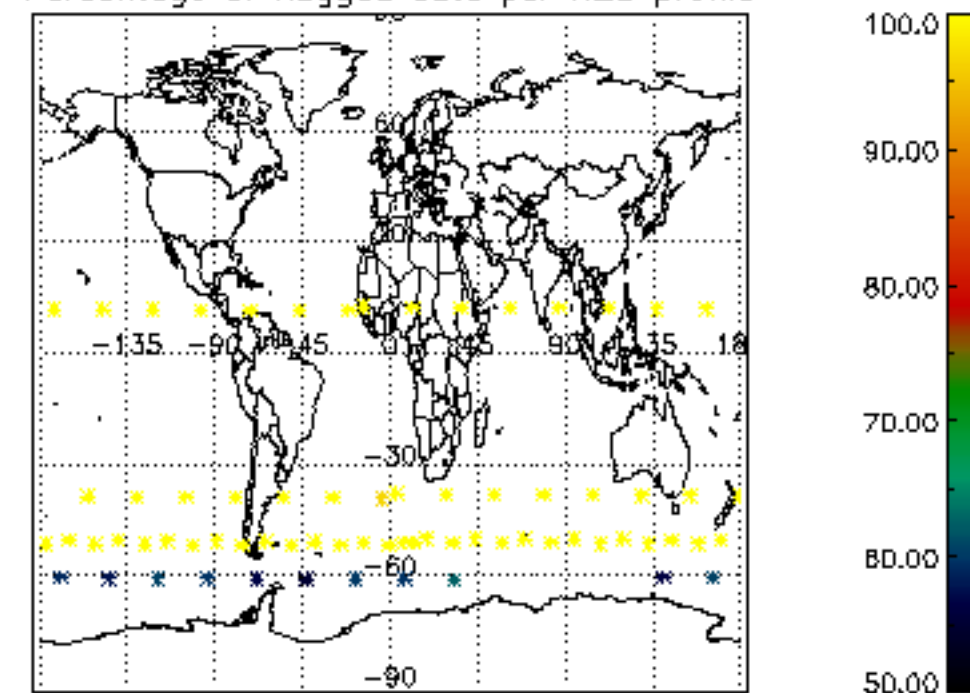




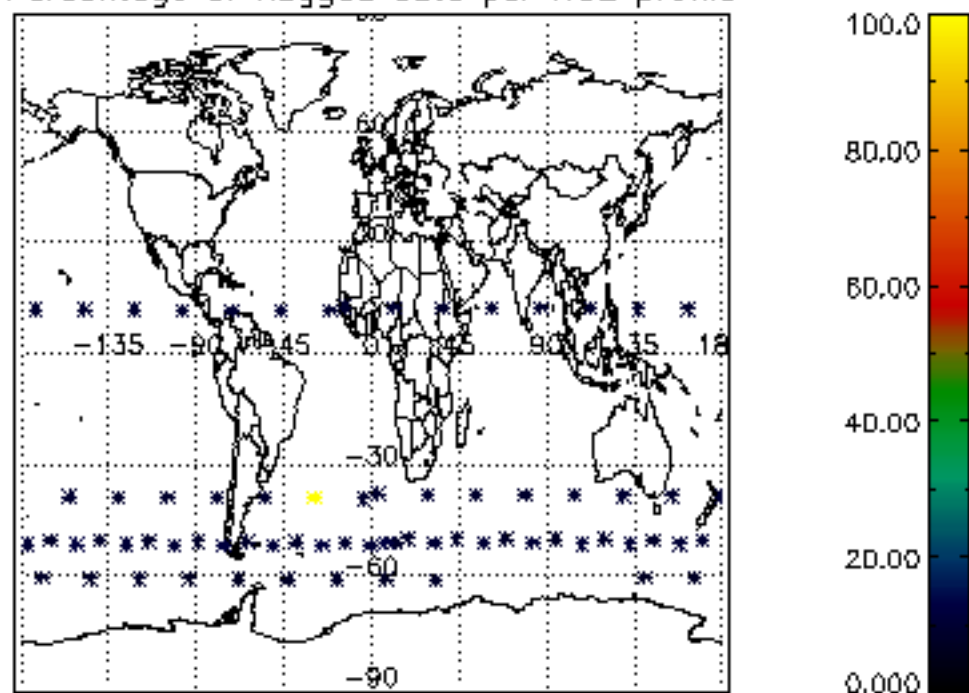
Percentage of flagged data per D3 profile



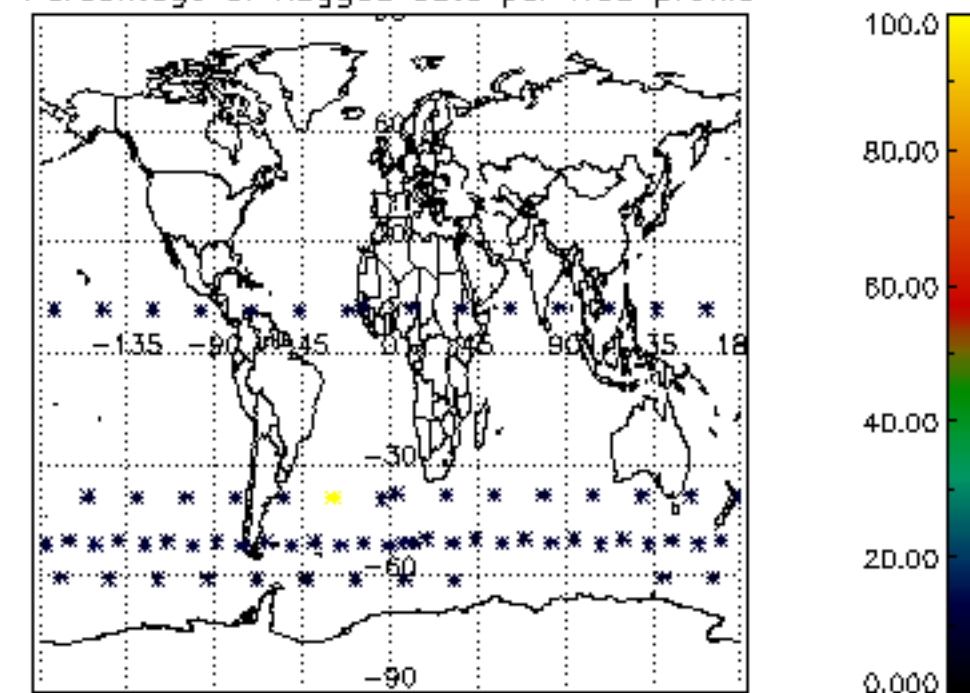
Percentage of flagged data per H2O profile

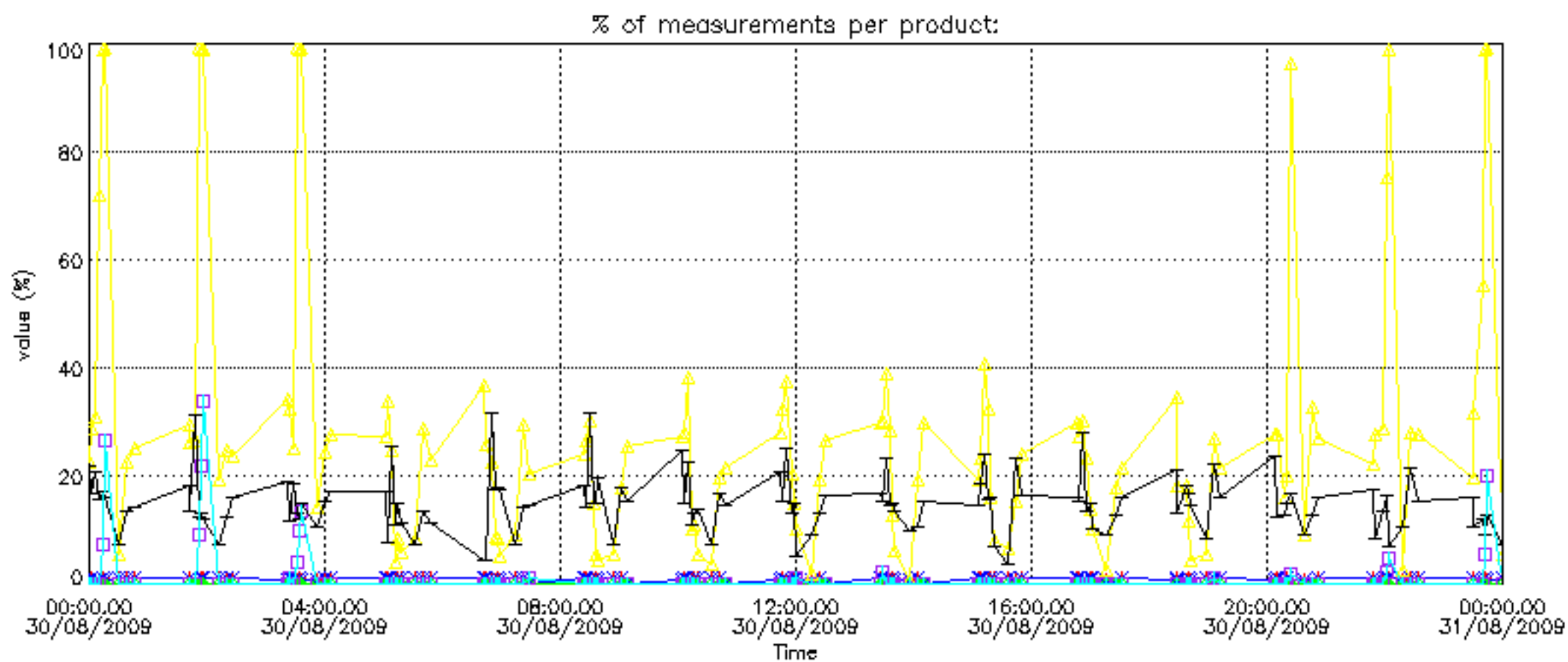


Percentage of flagged data per NO2 profile

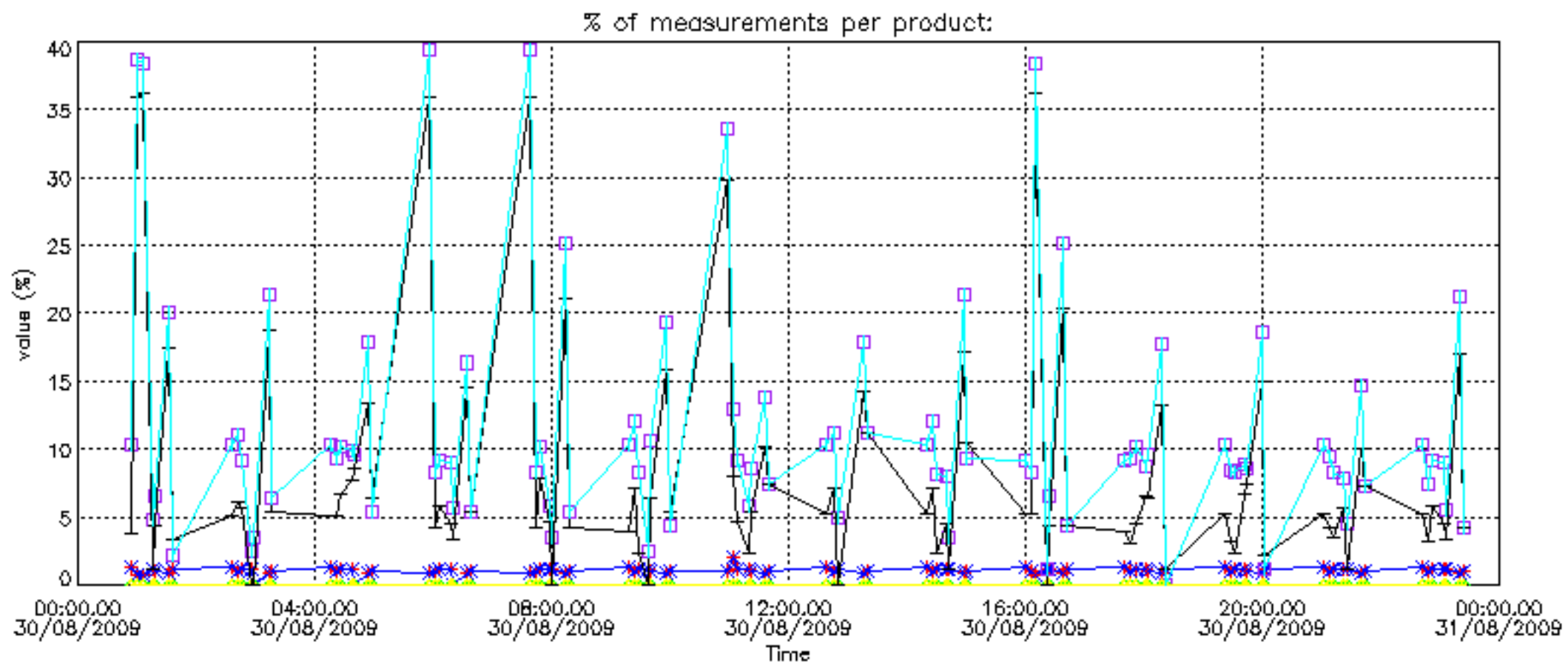


Percentage of flagged data per NO3 profile

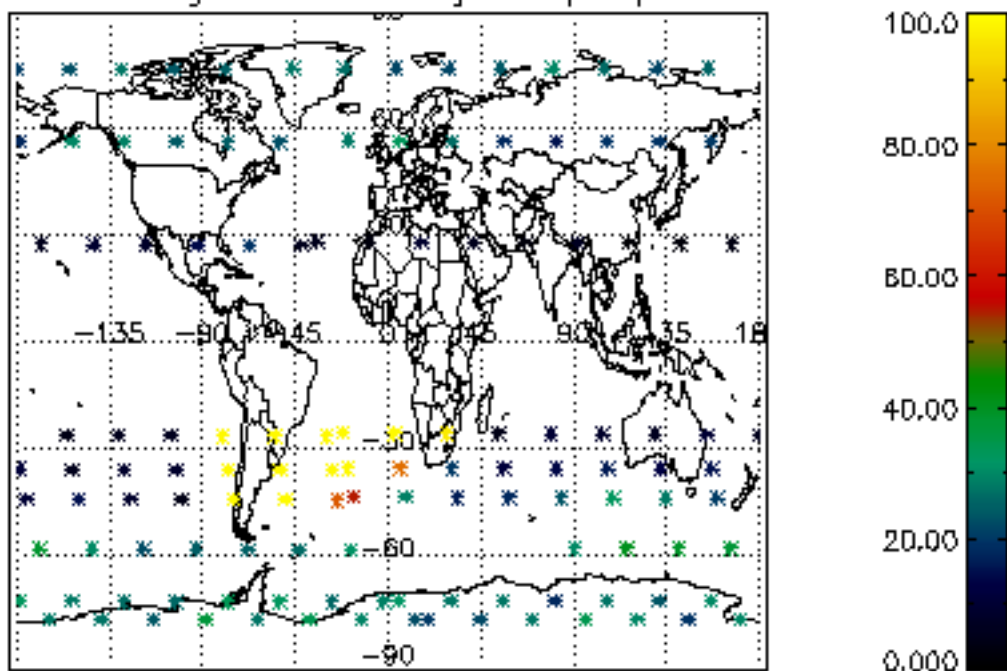




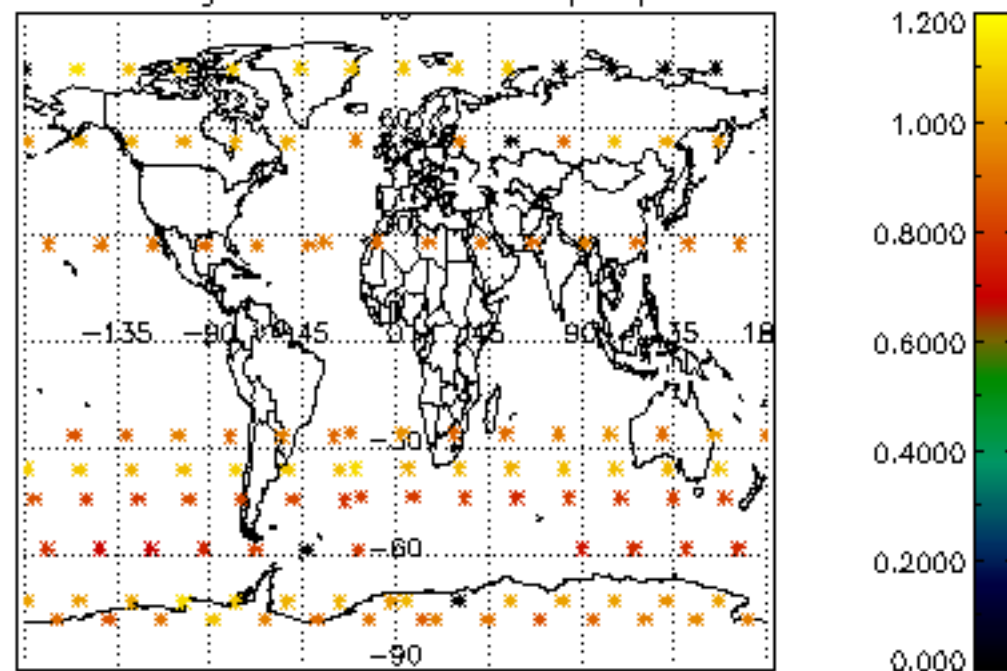




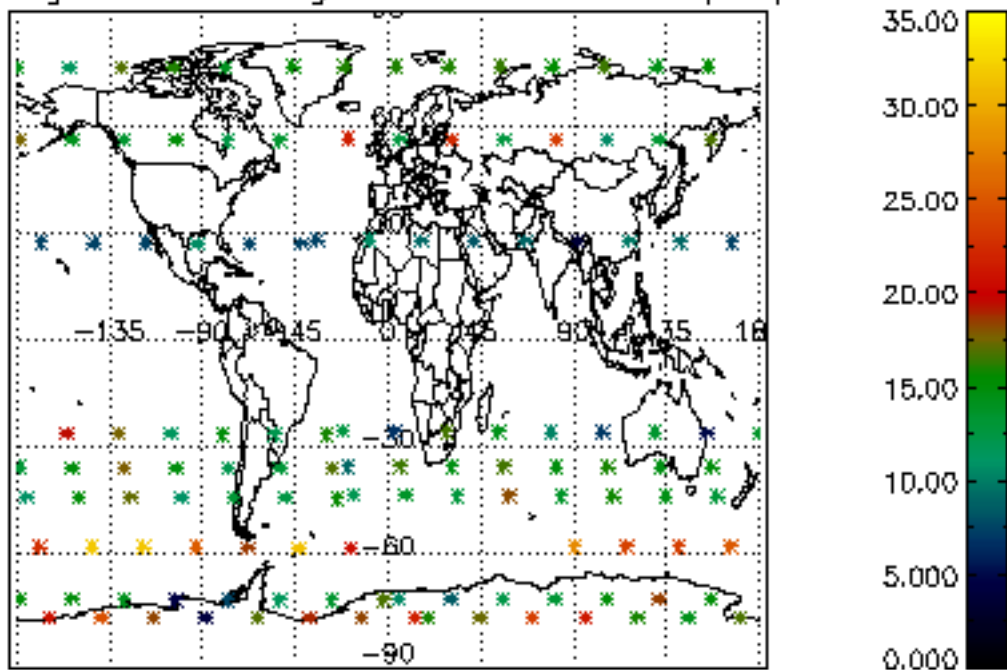
Percentage of cosmic ray hits per profile



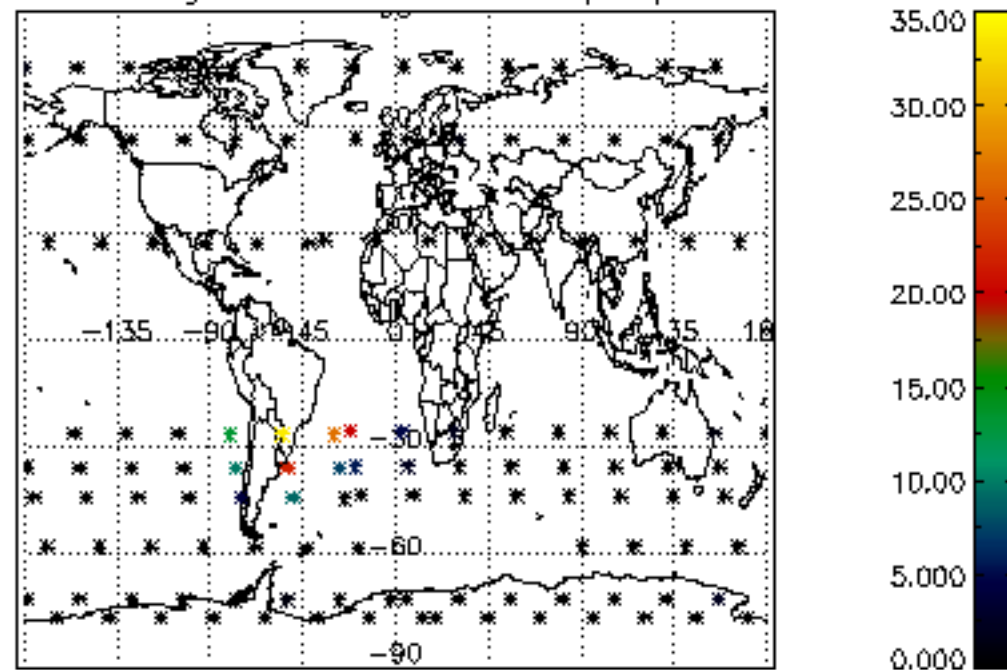
Percentage of datation errors per profile



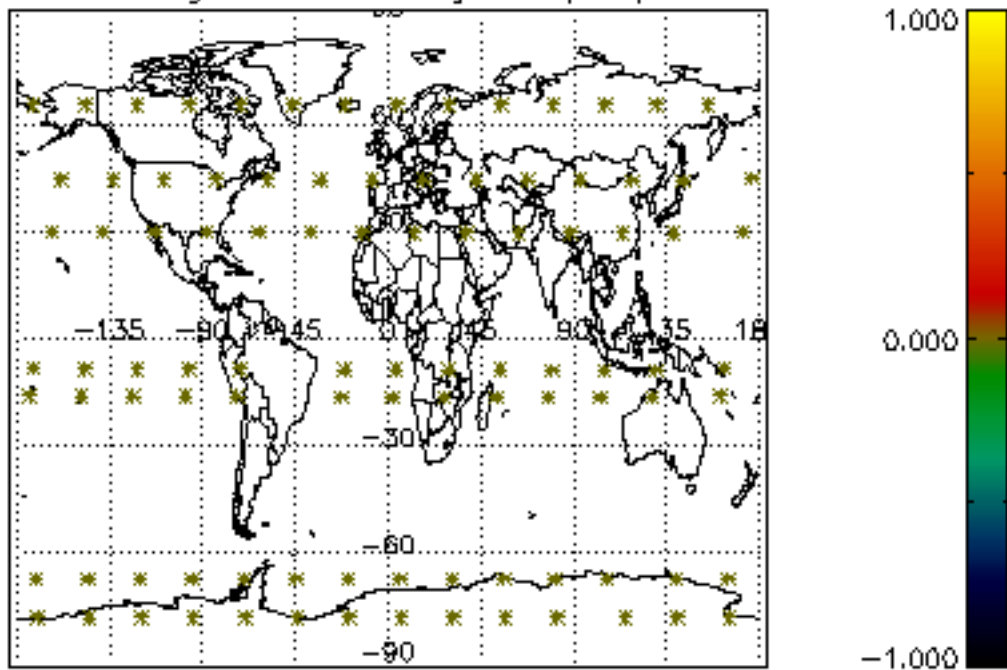
Percentage of star falling outside central band per profile



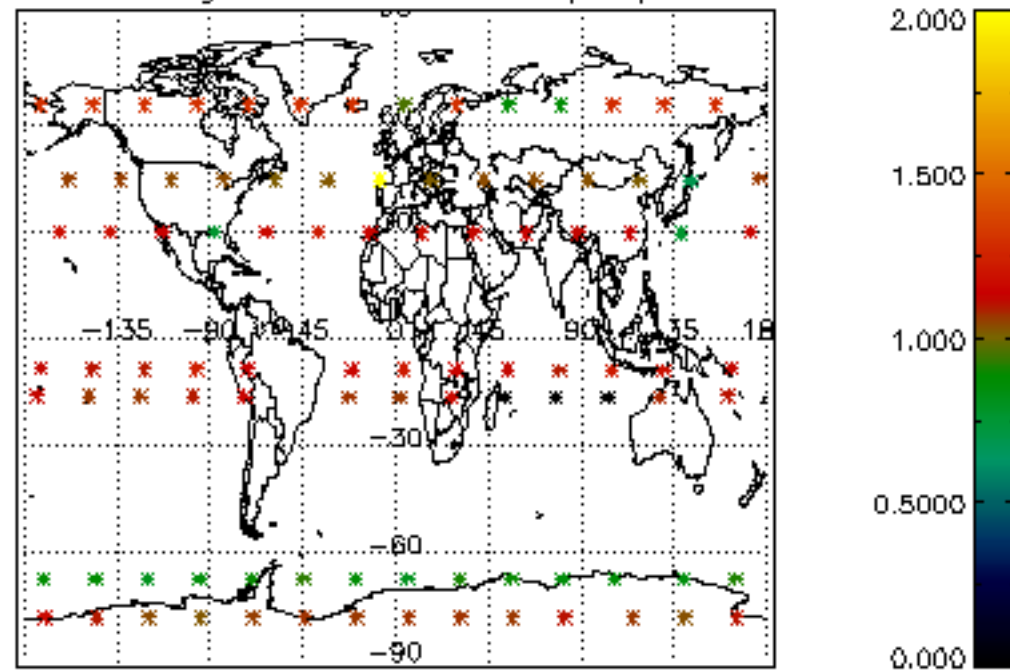
Percentage of saturation errors per profile



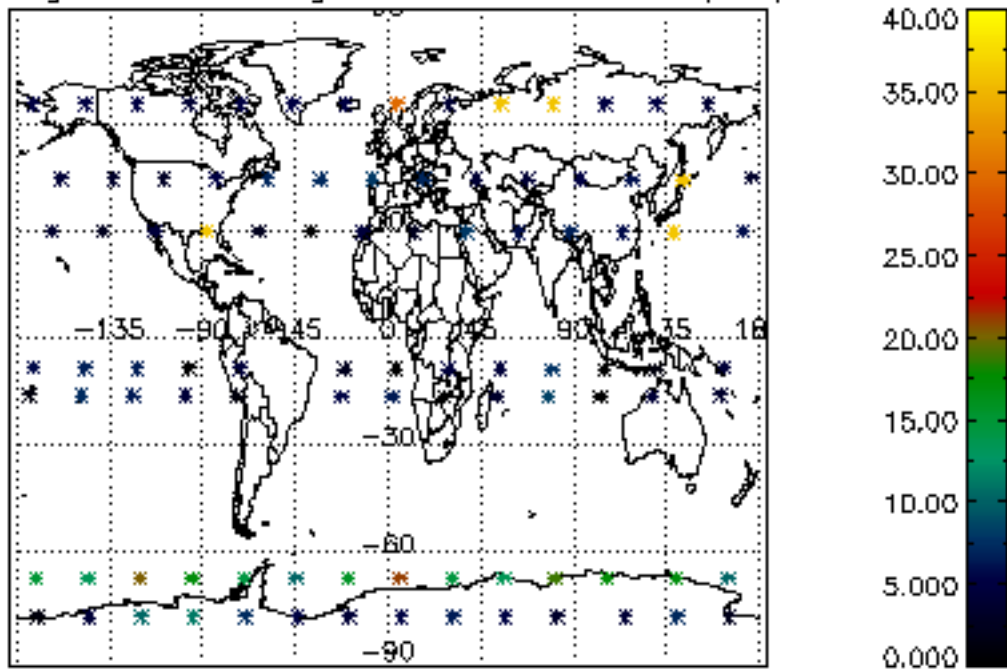
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

