

# 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	24APR2013 09:32:30
Data source version	GOMOS/6.01
Start time of products	23-01-2011 (23JAN2011 00:00:00)
Stop time of products	24-01-2011 (24JAN2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	293
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__2PRFIN20110123_000212_000000473098_00390_46525_1120.N1	23-JAN-2011 00:02:12	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46525	No
2	GOM_NL__2PRFIN20110123_000349_000000403098_00390_46525_1121.N1	23-JAN-2011 00:03:49	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46525	No
3	GOM_NL__2PRFIN20110123_000708_000000523098_00390_46525_1122.N1	23-JAN-2011 00:07:08	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	46525	No
4	GOM_NL__2PRFIN20110123_000930_000000433098_00390_46525_1123.N1	23-JAN-2011 00:09:30	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	46525	No
5	GOM_NL__2PRFIN20110123_001400_000000433098_00390_46525_1124.N1	23-JAN-2011 00:14:00	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	46525	No
6	GOM_NL__2PRFIN20110123_002312_000000423098_00390_46525_1125.N1	23-JAN-2011 00:23:12	Twilight	41.500	8	10Alp CMi	0.40000	6500.0	83	46525	No
7	GOM_NL__2PRFIN20110123_002850_000000483098_00390_46525_1126.N1	23-JAN-2011 00:28:50	Bright	47.500	170	27Eps Gem	3.0000	9700.0	95	46525	No
8	GOM_NL__2PRFIN20110123_003016_000000453098_00390_46525_1127.N1	23-JAN-2011 00:30:16	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46525	No
9	GOM_NL__2PRFIN20110123_004602_000000443098_00390_46525_1128.N1	23-JAN-2011 00:46:02	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46525	No
10	GOM_NL__2PRFIN20110123_005031_000000363098_00390_46525_1129.N1	23-JAN-2011 00:50:31	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46525	No
11	GOM_NL__2PRFIN20110123_005501_000000393098_00390_46525_1130.N1	23-JAN-2011 00:55:01	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46525	No
12	GOM_NL__2PRFIN20110123_005752_000000373098_00390_46525_1131.N1	23-JAN-2011 00:57:52	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46525	No
13	GOM_NL__2PRFIN20110123_010415_000000573098_00390_46525_1132.N1	23-JAN-2011 01:04:15	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46525	No
14	GOM_NL__2PRFIN20110123_010639_000000713098_00390_46525_1133.N1	23-JAN-2011 01:06:39	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46525	No
15	GOM_NL__2PRFIN20110123_011338_000000553098_00390_46525_1134.N1	23-JAN-2011 01:13:38	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46525	No
16	GOM_NL__2PRFIN20110123_011650_000000453098_00390_46525_1135.N1	23-JAN-2011 01:16:50	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46525	No
17	GOM_NL__2PRFIN20110123_012119_000000523098_00390_46525_1136.N1	23-JAN-2011 01:21:19	Twilight	51.500	16	21Alp Sco	1.0200	3000.0	103	46525	No
18	GOM_NL__2PRFIN20110123_012649_000000413098_00390_46525_1137.N1	23-JAN-2011 01:26:49	Dark	41.000	131	Gam Lup	2.8000	26000.	82	46525	No
19	GOM_NL__2PRFIN20110123_012848_000000443098_00390_46525_1138.N1	23-JAN-2011 01:28:48	Dark	44.000	109	Bet Lup	2.6770	26000.	88	46525	No
20	GOM_NL__2PRFIN20110123_013049_000000533098_00391_46526_1127.N1	23-JAN-2011 01:30:49	Dark	52.500	54	5The Cen	2.0550	4500.0	105	46526	No
21	GOM_NL__2PRFIN20110123_013330_000000453098_00391_46526_1128.N1	23-JAN-2011 01:33:30	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46526	No
22	GOM_NL__2PRFIN20110123_013657_000000443098_00391_46526_1129.N1	23-JAN-2011 01:36:57	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46526	No
23	GOM_NL__2PRFIN20110123_014227_000000473098_00391_46526_1130.N1	23-JAN-2011 01:42:27	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46526	No
24	GOM_NL__2PRFIN20110123_014404_000000413098_00391_46526_1131.N1	23-JAN-2011 01:44:04	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46526	No
25	GOM_NL__2PRFIN20110123_014722_000000493098_00391_46526_1132.N1	23-JAN-2011 01:47:22	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	46526	No
26	GOM_NL__2PRFIN20110123_014944_000000393098_00391_46526_1133.N1	23-JAN-2011 01:49:44	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	46526	No
27	GOM_NL__2PRFIN20110123_015414_000000463098_00391_46526_1134.N1	23-JAN-2011 01:54:14	Straylight	46.000	132	15Rho Pup	2.8030	6900.0	92	46526	No
28	GOM_NL__2PRFIN20110123_020326_000000413098_00391_46526_1135.N1	23-JAN-2011 02:03:26	Twilight	41.000	8	10Alp CMi	0.40000	6500.0	82	46526	No
29	GOM_NL__2PRFIN20110123_020904_000000363098_00391_46526_1136.N1	23-JAN-2011 02:09:04	Bright	35.500	170	27Eps Gem	3.0000	9700.0	71	46526	No
30	GOM_NL__2PRFIN20110123_021029_000000443098_00391_46526_1137.N1	23-JAN-2011 02:10:29	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46526	No
31	GOM_NL__2PRFIN20110123_022615_000000483098_00391_46526_1138.N1	23-JAN-2011 02:26:15	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46526	No
32	GOM_NL__2PRFIN20110123_023045_000000403098_00391_46526_1139.N1	23-JAN-2011 02:30:45	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46526	No
33	GOM_NL__2PRFIN20110123_023515_000000393098_00391_46526_1140.N1	23-JAN-2011 02:35:15	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46526	No
34	GOM_NL__2PRFIN20110123_023806_000000373098_00391_46526_1141.N1	23-JAN-2011 02:38:06	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	46526	No
35	GOM_NL__2PRFIN20110123_024429_000000383098_00391_46526_1142.N1	23-JAN-2011 02:44:29	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46526	No
36	GOM_NL__2PRFIN20110123_024653_000000723098_00391_46526_1143.N1	23-JAN-2011 02:46:53	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46526	No
37	GOM_NL__2PRFIN20110123_025352_000000543098_00391_46526_1144.N1	23-JAN-2011 02:53:52	Bright	53.500	102	24Alp Ser	2.6000	4250.0	107	46526	No
38	GOM_NL__2PRFIN20110123_025705_000000463098_00391_46526_1145.N1	23-JAN-2011 02:57:05	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46526	No
39	GOM_NL__2PRFIN20110123_030134_000000563098_00391_46526_1146.N1	23-JAN-2011 03:01:34	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46526	No
40	GOM_NL__2PRFIN20110123_030903_000000433098_00391_46526_1147.N1	23-JAN-2011 03:09:03	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46526	No
41	GOM_NL__2PRFIN20110123_031104_000000553098_00392_46527_1138.N1	23-JAN-2011 03:11:04	Dark	55.000	54	5The Cen	2.0550	4500.0	110	46527	No
42	GOM_NL__2PRFIN20110123_031345_000000433098_00392_46527_1139.N1	23-JAN-2011 03:13:45	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46527	No

43	GOM_NL__2PRFIN20110123_031712_000000433098_00392_46527_1140.N1	23-JAN-2011 03:17:12	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46527	No
44	GOM_NL__2PRFIN20110123_032242_000000543098_00392_46527_1141.N1	23-JAN-2011 03:22:42	Dark	53.500	113	Mu Vel	2.6920	5000.0	107	46527	No
45	GOM_NL__2PRFIN20110123_032418_000000403098_00392_46527_1142.N1	23-JAN-2011 03:24:18	Dark	40.000	91	Kap Vel	2.4900	26000.	80	46527	No
46	GOM_NL__2PRFIN20110123_032737_000000503098_00392_46527_1143.N1	23-JAN-2011 03:27:37	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46527	No
47	GOM_NL__2PRFIN20110123_032959_000000433098_00392_46527_1144.N1	23-JAN-2011 03:29:59	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	46527	No
48	GOM_NL__2PRFIN20110123_033428_000000453098_00392_46527_1145.N1	23-JAN-2011 03:34:28	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46527	No
49	GOM_NL__2PRFIN20110123_034340_000000413098_00392_46527_1146.N1	23-JAN-2011 03:43:40	Tw_i_and_stray	40.500	8	10Alp CMi	0.40000	6500.0	81	46527	No
50	GOM_NL__2PRFIN20110123_034921_000000363098_00392_46527_1147.N1	23-JAN-2011 03:49:21	Bright	36.000	170	27Eps Gem	3.0000	9700.0	72	46527	No
51	GOM_NL__2PRFIN20110123_035043_000000453098_00392_46527_1148.N1	23-JAN-2011 03:50:43	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46527	No
52	GOM_NL__2PRFIN20110123_040629_000000473098_00392_46527_1149.N1	23-JAN-2011 04:06:29	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46527	No
53	GOM_NL__2PRFIN20110123_041059_000000423098_00392_46527_1150.N1	23-JAN-2011 04:10:59	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46527	No
54	GOM_NL__2PRFIN20110123_041530_000000403098_00392_46527_1151.N1	23-JAN-2011 04:15:30	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46527	No
55	GOM_NL__2PRFIN20110123_041820_000000533098_00392_46527_1152.N1	23-JAN-2011 04:18:20	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	46527	No
56	GOM_NL__2PRFIN20110123_042444_000000583098_00392_46527_1153.N1	23-JAN-2011 04:24:44	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46527	No
57	GOM_NL__2PRFIN20110123_042707_000000513098_00392_46527_1154.N1	23-JAN-2011 04:27:07	Bright	50.500	67	5Alp CrB	2.2210	11000.	101	46527	No
58	GOM_NL__2PRFIN20110123_043407_000000563098_00392_46527_1155.N1	23-JAN-2011 04:34:07	Bright	55.500	102	24Alp Ser	2.6000	4250.0	111	46527	No
59	GOM_NL__2PRFIN20110123_043719_000000463098_00392_46527_1156.N1	23-JAN-2011 04:37:19	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46527	No
60	GOM_NL__2PRFIN20110123_044148_000000523098_00392_46527_1157.N1	23-JAN-2011 04:41:48	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	46527	No
61	GOM_NL__2PRFIN20110123_044719_000000403098_00392_46527_1158.N1	23-JAN-2011 04:47:19	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46527	No
62	GOM_NL__2PRFIN20110123_044918_000000423098_00392_46527_1159.N1	23-JAN-2011 04:49:18	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46527	No
63	GOM_NL__2PRFIN20110123_045119_000000633098_00393_46528_1149.N1	23-JAN-2011 04:51:19	Dark	63.000	54	5The Cen	2.0550	4500.0	126	46528	No
64	GOM_NL__2PRFIN20110123_045400_000000413098_00393_46528_1150.N1	23-JAN-2011 04:54:00	Dark	41.000	10	Bet Cen	0.61000	28000.	82	46528	No
65	GOM_NL__2PRFIN20110123_045726_000000453098_00393_46528_1151.N1	23-JAN-2011 04:57:26	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	46528	No
66	GOM_NL__2PRFIN20110123_050256_000000533098_00393_46528_1152.N1	23-JAN-2011 05:02:56	Dark	52.500	113	Mu Vel	2.6920	5000.0	105	46528	No
67	GOM_NL__2PRFIN20110123_050433_000000413098_00393_46528_1153.N1	23-JAN-2011 05:04:33	Dark	41.000	91	Kap Vel	2.4900	26000.	82	46528	No
68	GOM_NL__2PRFIN20110123_050752_000000533098_00393_46528_1154.N1	23-JAN-2011 05:07:52	Dark	53.000	65	Lam Vel	2.2040	4400.0	106	46528	No
69	GOM_NL__2PRFIN20110123_051013_000000403098_00393_46528_1155.N1	23-JAN-2011 05:10:13	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	46528	No
70	GOM_NL__2PRFIN20110123_051443_000000443098_00393_46528_1156.N1	23-JAN-2011 05:14:43	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46528	No
71	GOM_NL__2PRFIN20110123_052354_000000503098_00393_46528_1157.N1	23-JAN-2011 05:23:54	Tw_i_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	46528	No
72	GOM_NL__2PRFIN20110123_053057_000000453098_00393_46528_1158.N1	23-JAN-2011 05:30:57	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46528	No
73	GOM_NL__2PRFIN20110123_054642_000000483098_00393_46528_1159.N1	23-JAN-2011 05:46:42	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46528	No
74	GOM_NL__2PRFIN20110123_055112_000000353098_00393_46528_1160.N1	23-JAN-2011 05:51:12	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46528	No
75	GOM_NL__2PRFIN20110123_055544_000000393098_00393_46528_1161.N1	23-JAN-2011 05:55:44	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46528	No
76	GOM_NL__2PRFIN20110123_055834_000000343098_00393_46528_1162.N1	23-JAN-2011 05:58:34	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	46528	No
77	GOM_NL__2PRFIN20110123_060458_000000583098_00393_46528_1163.N1	23-JAN-2011 06:04:58	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46528	No
78	GOM_NL__2PRFIN20110123_060722_000000723098_00393_46528_1164.N1	23-JAN-2011 06:07:22	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46528	No
79	GOM_NL__2PRFIN20110123_061422_000000583098_00393_46528_1165.N1	23-JAN-2011 06:14:22	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	46528	No
80	GOM_NL__2PRFIN20110123_061734_000000453098_00393_46528_1166.N1	23-JAN-2011 06:17:34	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46528	No
81	GOM_NL__2PRFIN20110123_062203_000000563098_00393_46528_1167.N1	23-JAN-2011 06:22:03	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46528	No
82	GOM_NL__2PRFIN20110123_062734_000000413098_00393_46528_1168.N1	23-JAN-2011 06:27:34	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46528	No
83	GOM_NL__2PRFIN20110123_062933_000000423098_00393_46528_1169.N1	23-JAN-2011 06:29:33	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46528	No
84	GOM_NL__2PRFIN20110123_063135_000000543098_00394_46529_1159.N1	23-JAN-2011 06:31:35	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46529	No
85	GOM_NL__2PRFIN20110123_063414_000000463098_00394_46529_1160.N1	23-JAN-2011 06:34:14	Dark	45.500	10	Bet Cen	0.61000	28000.	91	46529	No
86	GOM_NL__2PRFIN20110123_063741_000000503098_00394_46529_1161.N1	23-JAN-2011 06:37:41	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	46529	No
87	GOM_NL__2PRFIN20110123_064311_000000503098_00394_46529_1162.N1	23-JAN-2011 06:43:11	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46529	No
88	GOM_NL__2PRFIN20110123_064447_000000453098_00394_46529_1163.N1	23-JAN-2011 06:44:47	Dark	44.500	91	Kap Vel	2.4900	26000.	89	46529	No
89	GOM_NL__2PRFIN20110123_064806_000000473098_00394_46529_1164.N1	23-JAN-2011 06:48:06	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	46529	No
90	GOM_NL__2PRFIN20110123_065028_000000393098_00394_46529_1165.N1	23-JAN-2011 06:50:28	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	46529	No
91	GOM_NL__2PRFIN20110123_065457_000000473098_00394_46529_1166.N1	23-JAN-2011 06:54:57	Straylight	46.500	132	15Rho Pup	2.8030	6900.0	93	46529	No
92	GOM_NL__2PRFIN20110123_070408_000000533098_00394_46529_1167.N1	23-JAN-2011 07:04:08	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46529	No
93	GOM_NL__2PRFIN20110123_071111_000000453098_00394_46529_1168.N1	23-JAN-2011 07:11:11	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46529	No
94	GOM_NL__2PRFIN20110123_072655_000000453098_00394_46529_1169.N1	23-JAN-2011 07:26:55	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	46529	No
95	GOM_NL__2PRFIN20110123_073126_000000363098_00394_46529_1170.N1	23-JAN-2011 07:31:26	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46529	No
96	GOM_NL__2PRFIN20110123_073557_000000393098_00394_46529_1171.N1	23-JAN-2011 07:35:57	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46529	No
97	GOM_NL__2PRFIN20110123_073849_000000373098_00394_46529_1172.N1	23-JAN-2011 07:38:49	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46529	No
98	GOM_NL__2PRFIN20110123_074512_000000583098_00394_46529_1173.N1	23-JAN-2011 07:45:12	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46529	No
99	GOM_NL__2PRFIN20110123_074736_000000723098_00394_46529_1174.N1	23-JAN-2011 07:47:36	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46529	No
100	GOM_NL__2PRFIN20110123_075437_000000583098_00394_46529_1175.N1	23-JAN-2011 07:54:37	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	46529	No
101	GOM_NL__2PRFIN20110123_075749_000000463098_00394_46529_1176.N1	23-JAN-2011 07:57:49	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	46529	No

102	GOM_NL__2PRFIN20110123_080218_000000533098_00394_46529_1177.N1	23-JAN-2011 08:02:18	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	46529	No
103	GOM_NL__2PRFIN20110123_080749_000000413098_00394_46529_1178.N1	23-JAN-2011 08:07:49	Dark	41.000	131	Gam Lup	2.8000	26000.	82	46529	No
104	GOM_NL__2PRFIN20110123_080947_000000443098_00394_46529_1179.N1	23-JAN-2011 08:09:47	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46529	No
105	GOM_NL__2PRFIN20110123_081150_000000563098_00395_46530_1184.N1	23-JAN-2011 08:11:50	Dark	55.500	54	5The Cen	2.0550	4500.0	111	46530	No
106	GOM_NL__2PRFIN20110123_081429_000000443098_00395_46530_1185.N1	23-JAN-2011 08:14:29	Dark	44.000	10	Bet Cen	0.61000	28000.	88	46530	No
107	GOM_NL__2PRFIN20110123_081755_000000413098_00395_46530_1186.N1	23-JAN-2011 08:17:55	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46530	No
108	GOM_NL__2PRFIN20110123_082326_000000473098_00395_46530_1187.N1	23-JAN-2011 08:23:26	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46530	No
109	GOM_NL__2PRFIN20110123_082502_000000393098_00395_46530_1188.N1	23-JAN-2011 08:25:02	Dark	38.500	91	Kap Vel	2.4900	26000.	77	46530	No
110	GOM_NL__2PRFIN20110123_082821_000000503098_00395_46530_1189.N1	23-JAN-2011 08:28:21	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46530	No
111	GOM_NL__2PRFIN20110123_083042_000000423098_00395_46530_1190.N1	23-JAN-2011 08:30:42	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	46530	No
112	GOM_NL__2PRFIN20110123_083511_000000443098_00395_46530_1191.N1	23-JAN-2011 08:35:11	Straylight	44.000	132	15Rho Pup	2.8030	6900.0	88	46530	No
113	GOM_NL__2PRFIN20110123_084422_000000573098_00395_46530_1192.N1	23-JAN-2011 08:44:22	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	46530	No
114	GOM_NL__2PRFIN20110123_085124_000000423098_00395_46530_1193.N1	23-JAN-2011 08:51:24	Bright	41.500	17	78Bet Gem	1.1610	4500.0	83	46530	No
115	GOM_NL__2PRFIN20110123_090709_000000493098_00395_46530_1194.N1	23-JAN-2011 09:07:09	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	46530	No
116	GOM_NL__2PRFIN20110123_091140_000000413098_00395_46530_1195.N1	23-JAN-2011 09:11:40	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46530	No
117	GOM_NL__2PRFIN20110123_091611_000000393098_00395_46530_1196.N1	23-JAN-2011 09:16:11	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46530	No
118	GOM_NL__2PRFIN20110123_091903_000000353098_00395_46530_1197.N1	23-JAN-2011 09:19:03	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46530	No
119	GOM_NL__2PRFIN20110123_092526_000000393098_00395_46530_1198.N1	23-JAN-2011 09:25:26	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	46530	No
120	GOM_NL__2PRFIN20110123_092751_000000493098_00395_46530_1199.N1	23-JAN-2011 09:27:51	Bright	48.500	67	5Alp CrB	2.2210	11000.	97	46530	No
121	GOM_NL__2PRFIN20110123_093451_000000573098_00395_46530_1200.N1	23-JAN-2011 09:34:51	Bright	56.500	102	24Alp Ser	2.6000	4250.0	113	46530	No
122	GOM_NL__2PRFIN20110123_093803_000000473098_00395_46530_1201.N1	23-JAN-2011 09:38:03	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	46530	No
123	GOM_NL__2PRFIN20110123_094232_000000563098_00395_46530_1202.N1	23-JAN-2011 09:42:32	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46530	No
124	GOM_NL__2PRFIN20110123_094803_000000403098_00395_46530_1203.N1	23-JAN-2011 09:48:03	Dark	39.500	131	Gam Lup	2.8000	26000.	79	46530	No
125	GOM_NL__2PRFIN20110123_095002_000000423098_00395_46530_1204.N1	23-JAN-2011 09:50:02	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46530	No
126	GOM_NL__2PRFIN20110123_095205_000000563098_00396_46531_1231.N1	23-JAN-2011 09:52:05	Dark	56.000	54	5The Cen	2.0550	4500.0	112	46531	No
127	GOM_NL__2PRFIN20110123_095443_000000433098_00396_46531_1232.N1	23-JAN-2011 09:54:43	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46531	No
128	GOM_NL__2PRFIN20110123_095810_000000433098_00396_46531_1233.N1	23-JAN-2011 09:58:10	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46531	No
129	GOM_NL__2PRFIN20110123_100341_000000453098_00396_46531_1234.N1	23-JAN-2011 10:03:41	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46531	No
130	GOM_NL__2PRFIN20110123_100516_000000403098_00396_46531_1235.N1	23-JAN-2011 10:05:16	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46531	No
131	GOM_NL__2PRFIN20110123_100835_000000503098_00396_46531_1236.N1	23-JAN-2011 10:08:35	Dark	49.500	65	Lam Vel	2.2040	4400.0	99	46531	No
132	GOM_NL__2PRFIN20110123_101101_000000343098_00396_46531_1237.N1	23-JAN-2011 10:11:01	Straylight	34.000	70	Zet Pup	2.2460	39000.	68	46531	No
133	GOM_NL__2PRFIN20110123_101525_000000463098_00396_46531_1238.N1	23-JAN-2011 10:15:25	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46531	No
134	GOM_NL__2PRFIN20110123_102436_000000513098_00396_46531_1239.N1	23-JAN-2011 10:24:36	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	46531	No
135	GOM_NL__2PRFIN20110123_103138_000000443098_00396_46531_1240.N1	23-JAN-2011 10:31:38	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46531	No
136	GOM_NL__2PRFIN20110123_104722_000000483098_00396_46531_1241.N1	23-JAN-2011 10:47:22	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46531	No
137	GOM_NL__2PRFIN20110123_105154_000000573098_00396_46531_1242.N1	23-JAN-2011 10:51:54	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	46531	No
138	GOM_NL__2PRFIN20110123_105625_000000403098_00396_46531_1243.N1	23-JAN-2011 10:56:25	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	46531	No
139	GOM_NL__2PRFIN20110123_105917_000000353098_00396_46531_1244.N1	23-JAN-2011 10:59:17	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46531	No
140	GOM_NL__2PRFIN20110123_110540_000000583098_00396_46531_1245.N1	23-JAN-2011 11:05:40	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46531	No
141	GOM_NL__2PRFIN20110123_110805_000000493098_00396_46531_1246.N1	23-JAN-2011 11:08:05	Bright	48.500	67	5Alp CrB	2.2210	11000.	97	46531	No
142	GOM_NL__2PRFIN20110123_111506_000000563098_00396_46531_1247.N1	23-JAN-2011 11:15:06	Bright	55.500	102	24Alp Ser	2.6000	4250.0	111	46531	No
143	GOM_NL__2PRFIN20110123_111817_000000463098_00396_46531_1248.N1	23-JAN-2011 11:18:17	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	46531	No
144	GOM_NL__2PRFIN20110123_112247_000000463098_00396_46531_1249.N1	23-JAN-2011 11:22:47	Twilight	45.500	16	21Alp Sco	1.0200	3000.0	91	46531	No
145	GOM_NL__2PRFIN20110123_112818_000000473098_00396_46531_1250.N1	23-JAN-2011 11:28:18	Dark	47.000	131	Gam Lup	2.8000	26000.	94	46531	No
146	GOM_NL__2PRFIN20110123_113017_000000453098_00396_46531_1251.N1	23-JAN-2011 11:30:17	Dark	44.500	109	Bet Lup	2.6770	26000.	89	46531	No
147	GOM_NL__2PRFIN20110123_113220_000000533098_00397_46532_1346.N1	23-JAN-2011 11:32:20	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46532	No
148	GOM_NL__2PRFIN20110123_113458_000000433098_00397_46532_1347.N1	23-JAN-2011 11:34:58	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46532	No
149	GOM_NL__2PRFIN20110123_113824_000000413098_00397_46532_1348.N1	23-JAN-2011 11:38:24	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46532	No
150	GOM_NL__2PRFIN20110123_114355_000000513098_00397_46532_1349.N1	23-JAN-2011 11:43:55	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	46532	No
151	GOM_NL__2PRFIN20110123_114531_000000393098_00397_46532_1350.N1	23-JAN-2011 11:45:31	Dark	38.500	91	Kap Vel	2.4900	26000.	77	46532	No
152	GOM_NL__2PRFIN20110123_114849_000000513098_00397_46532_1351.N1	23-JAN-2011 11:48:49	Dark	51.000	65	Lam Vel	2.2040	4400.0	102	46532	No
153	GOM_NL__2PRFIN20110123_115539_000000453098_00397_46532_1352.N1	23-JAN-2011 11:55:39	Straylight	45.000	132	15Rho Pup	2.8030	6900.0	90	46532	No
154	GOM_NL__2PRFIN20110123_120450_000000513098_00397_46532_1353.N1	23-JAN-2011 12:04:50	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	46532	No
155	GOM_NL__2PRFIN20110123_121152_000000443098_00397_46532_1354.N1	23-JAN-2011 12:11:52	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	46532	No
156	GOM_NL__2PRFIN20110123_123208_000000393098_00397_46532_1355.N1	23-JAN-2011 12:32:08	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46532	No
157	GOM_NL__2PRFIN20110123_123639_000000393098_00397_46532_1356.N1	23-JAN-2011 12:36:39	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46532	No
158	GOM_NL__2PRFIN20110123_123931_000000373098_00397_46532_1357.N1	23-JAN-2011 12:39:31	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46532	No
159	GOM_NL__2PRFIN20110123_124554_000000583098_00397_46532_1358.N1	23-JAN-2011 12:45:54	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46532	No
160	GOM_NL__2PRFIN20110123_124819_000000723098_00397_46532_1359.N1	23-JAN-2011 12:48:19	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46532	No



161	GOM_NL__2PRFIN20110123_125521_000000583098_00397_46532_1360.N1	23-JAN-2011 12:55:21	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	46532	No
162	GOM_NL__2PRFIN20110123_125832_000000463098_00397_46532_1361.N1	23-JAN-2011 12:58:32	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46532	No
163	GOM_NL__2PRFIN20110123_130301_000000553098_00397_46532_1362.N1	23-JAN-2011 13:03:01	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	46532	No
164	GOM_NL__2PRFIN20110123_130832_000000413098_00397_46532_1363.N1	23-JAN-2011 13:08:32	Dark	41.000	131	Gam Lup	2.8000	26000.	82	46532	No
165	GOM_NL__2PRFIN20110123_131032_000000433098_00397_46532_1364.N1	23-JAN-2011 13:10:32	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46532	No
166	GOM_NL__2PRFIN20110123_131235_000000543098_00398_46533_1379.N1	23-JAN-2011 13:12:35	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46533	No
167	GOM_NL__2PRFIN20110123_131512_000000423098_00398_46533_1380.N1	23-JAN-2011 13:15:12	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46533	No
168	GOM_NL__2PRFIN20110123_131839_000000433098_00398_46533_1381.N1	23-JAN-2011 13:18:39	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	46533	No
169	GOM_NL__2PRFIN20110123_132410_000000453098_00398_46533_1382.N1	23-JAN-2011 13:24:10	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46533	No
170	GOM_NL__2PRFIN20110123_132545_000000403098_00398_46533_1383.N1	23-JAN-2011 13:25:45	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46533	No
171	GOM_NL__2PRFIN20110123_132904_000000523098_00398_46533_1384.N1	23-JAN-2011 13:29:04	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	46533	No
172	GOM_NL__2PRFIN20110123_133554_000000443098_00398_46533_1385.N1	23-JAN-2011 13:35:54	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46533	No
173	GOM_NL__2PRFIN20110123_134504_000000533098_00398_46533_1386.N1	23-JAN-2011 13:45:04	Tw_i_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	46533	No
174	GOM_NL__2PRFIN20110123_135205_000000453098_00398_46533_1387.N1	23-JAN-2011 13:52:05	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46533	No
175	GOM_NL__2PRFIN20110123_140749_000000433098_00398_46533_1388.N1	23-JAN-2011 14:07:49	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46533	No
176	GOM_NL__2PRFIN20110123_141222_000000363098_00398_46533_1389.N1	23-JAN-2011 14:12:22	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46533	No
177	GOM_NL__2PRFIN20110123_141653_000000383098_00398_46533_1390.N1	23-JAN-2011 14:16:53	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46533	No
178	GOM_NL__2PRFIN20110123_141945_000000353098_00398_46533_1391.N1	23-JAN-2011 14:19:45	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46533	No
179	GOM_NL__2PRFIN20110123_142609_000000583098_00398_46533_1392.N1	23-JAN-2011 14:26:09	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46533	No
180	GOM_NL__2PRFIN20110123_142833_000000723098_00398_46533_1393.N1	23-JAN-2011 14:28:33	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46533	No
181	GOM_NL__2PRFIN20110123_143535_000000583098_00398_46533_1394.N1	23-JAN-2011 14:35:35	Bright	58.000	102	24Alp Ser	2.6000	4250.0	116	46533	No
182	GOM_NL__2PRFIN20110123_143846_000000453098_00398_46533_1395.N1	23-JAN-2011 14:38:46	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46533	No
183	GOM_NL__2PRFIN20110123_144316_000000543098_00398_46533_1396.N1	23-JAN-2011 14:43:16	Twilight	53.500	16	21Alp Sco	1.0200	3000.0	107	46533	No
184	GOM_NL__2PRFIN20110123_144847_000000423098_00398_46533_1397.N1	23-JAN-2011 14:48:47	Dark	41.500	131	Gam Lup	2.8000	26000.	83	46533	No
185	GOM_NL__2PRFIN20110123_145047_000000443098_00398_46533_1398.N1	23-JAN-2011 14:50:47	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46533	No
186	GOM_NL__2PRFIN20110123_145250_000000533098_00399_46534_1397.N1	23-JAN-2011 14:52:50	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46534	No
187	GOM_NL__2PRFIN20110123_145527_000000433098_00399_46534_1398.N1	23-JAN-2011 14:55:27	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46534	No
188	GOM_NL__2PRFIN20110123_145854_000000443098_00399_46534_1399.N1	23-JAN-2011 14:58:54	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46534	No
189	GOM_NL__2PRFIN20110123_150425_000000463098_00399_46534_1400.N1	23-JAN-2011 15:04:25	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46534	No
190	GOM_NL__2PRFIN20110123_150559_000000393098_00399_46534_1401.N1	23-JAN-2011 15:05:59	Dark	39.000	91	Kap Vel	2.4900	26000.	78	46534	No
191	GOM_NL__2PRFIN20110123_150918_000000523098_00399_46534_1402.N1	23-JAN-2011 15:09:18	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46534	No
192	GOM_NL__2PRFIN20110123_151608_000000453098_00399_46534_1403.N1	23-JAN-2011 15:16:08	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46534	No
193	GOM_NL__2PRFIN20110123_152518_000000533098_00399_46534_1404.N1	23-JAN-2011 15:25:18	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46534	No
194	GOM_NL__2PRFIN20110123_153219_000000453098_00399_46534_1405.N1	23-JAN-2011 15:32:19	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46534	No
195	GOM_NL__2PRFIN20110123_154802_000000493098_00399_46534_1406.N1	23-JAN-2011 15:48:02	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46534	No
196	GOM_NL__2PRFIN20110123_155235_000000423098_00399_46534_1407.N1	23-JAN-2011 15:52:35	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46534	No
197	GOM_NL__2PRFIN20110123_155707_000000403098_00399_46534_1408.N1	23-JAN-2011 15:57:07	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46534	No
198	GOM_NL__2PRFIN20110123_155959_000000383098_00399_46534_1409.N1	23-JAN-2011 15:59:59	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	46534	No
199	GOM_NL__2PRFIN20110123_160623_000000583098_00399_46534_1410.N1	23-JAN-2011 16:06:23	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46534	No
200	GOM_NL__2PRFIN20110123_160848_000000683098_00399_46534_1411.N1	23-JAN-2011 16:08:48	Bright	68.000	67	5Alp CrB	2.2210	11000.	136	46534	No
201	GOM_NL__2PRFIN20110123_161550_000000573098_00399_46534_1412.N1	23-JAN-2011 16:15:50	Bright	56.500	102	24Alp Ser	2.6000	4250.0	113	46534	No
202	GOM_NL__2PRFIN20110123_161901_000000453098_00399_46534_1413.N1	23-JAN-2011 16:19:01	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	46534	No
203	GOM_NL__2PRFIN20110123_162330_000000503098_00399_46534_1414.N1	23-JAN-2011 16:23:30	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	46534	No
204	GOM_NL__2PRFIN20110123_162902_000000403098_00399_46534_1415.N1	23-JAN-2011 16:29:02	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46534	No
205	GOM_NL__2PRFIN20110123_163102_000000433098_00399_46534_1416.N1	23-JAN-2011 16:31:02	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46534	No
206	GOM_NL__2PRFIN20110123_163306_000000533098_00400_46535_1415.N1	23-JAN-2011 16:33:06	Dark	52.500	54	5The Cen	2.0550	4500.0	105	46535	No
207	GOM_NL__2PRFIN20110123_163542_000000453098_00400_46535_1416.N1	23-JAN-2011 16:35:42	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46535	No
208	GOM_NL__2PRFIN20110123_163908_000000423098_00400_46535_1417.N1	23-JAN-2011 16:39:08	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46535	No
209	GOM_NL__2PRFIN20110123_164439_000000493098_00400_46535_1418.N1	23-JAN-2011 16:44:39	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	46535	No
210	GOM_NL__2PRFIN20110123_164614_000000433098_00400_46535_1419.N1	23-JAN-2011 16:46:14	Dark	42.500	91	Kap Vel	2.4900	26000.	85	46535	No
211	GOM_NL__2PRFIN20110123_164933_000000503098_00400_46535_1420.N1	23-JAN-2011 16:49:33	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46535	No
212	GOM_NL__2PRFIN20110123_165622_000000473098_00400_46535_1421.N1	23-JAN-2011 16:56:22	Straylight	46.500	132	15Rho Pup	2.8030	6900.0	93	46535	No
213	GOM_NL__2PRFIN20110123_170532_000000533098_00400_46535_1422.N1	23-JAN-2011 17:05:32	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46535	No
214	GOM_NL__2PRFIN20110123_171233_000000453098_00400_46535_1423.N1	23-JAN-2011 17:12:33	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46535	No
215	GOM_NL__2PRFIN20110123_172815_000000483098_00400_46535_1424.N1	23-JAN-2011 17:28:15	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46535	No
216	GOM_NL__2PRFIN20110123_173249_000000403098_00400_46535_1425.N1	23-JAN-2011 17:32:49	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46535	No
217	GOM_NL__2PRFIN20110123_173721_000000393098_00400_46535_1426.N1	23-JAN-2011 17:37:21	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46535	No
218	GOM_NL__2PRFIN20110123_174013_000000533098_00400_46535_1427.N1	23-JAN-2011 17:40:13	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	46535	No
219	GOM_NL__2PRFIN20110123_174637_000000493098_00400_46535_1428.N1	23-JAN-2011 17:46:37	Bright	49.000	133	40Zet Her	2.8070	6000.0	98	46535	No

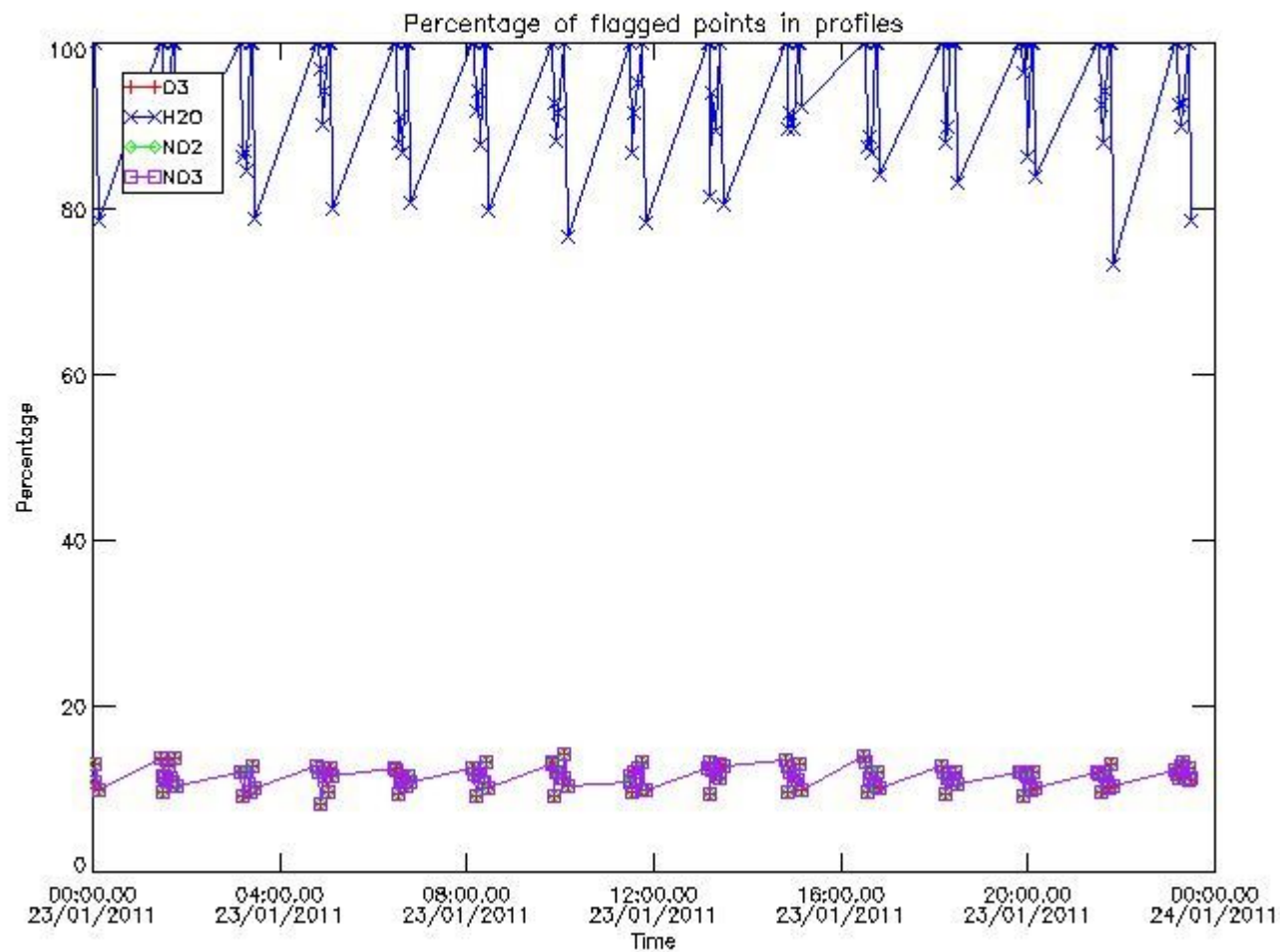
220	GOM_NL__2PRFIN20110123_174902_000000683098_00400_46535_1429.N1	23-JAN-2011 17:49:02	Bright	68.000	67	5Alp CrB	2.2210	11000.	136	46535	No
221	GOM_NL__2PRFIN20110123_175605_000000593098_00400_46535_1430.N1	23-JAN-2011 17:56:05	Bright	58.500	102	24Alp Ser	2.6000	4250.0	117	46535	No
222	GOM_NL__2PRFIN20110123_175916_000000433098_00400_46535_1431.N1	23-JAN-2011 17:59:16	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46535	No
223	GOM_NL__2PRFIN20110123_180345_000000463098_00400_46535_1432.N1	23-JAN-2011 18:03:45	Twilight	46.000	16	21Alp Sco	1.0200	3000.0	92	46535	No
224	GOM_NL__2PRFIN20110123_180916_000000403098_00400_46535_1433.N1	23-JAN-2011 18:09:16	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46535	No
225	GOM_NL__2PRFIN20110123_181116_000000423098_00400_46535_1434.N1	23-JAN-2011 18:11:16	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46535	No
226	GOM_NL__2PRFIN20110123_181321_000000543098_00401_46536_1443.N1	23-JAN-2011 18:13:21	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46536	No
227	GOM_NL__2PRFIN20110123_181556_000000453098_00401_46536_1444.N1	23-JAN-2011 18:15:56	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46536	No
228	GOM_NL__2PRFIN20110123_181923_000000443098_00401_46536_1445.N1	23-JAN-2011 18:19:23	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	46536	No
229	GOM_NL__2PRFIN20110123_182454_000000513098_00401_46536_1446.N1	23-JAN-2011 18:24:54	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46536	No
230	GOM_NL__2PRFIN20110123_182628_000000433098_00401_46536_1447.N1	23-JAN-2011 18:26:28	Dark	42.500	91	Kap Vel	2.4900	26000.	85	46536	No
231	GOM_NL__2PRFIN20110123_182947_000000573098_00401_46536_1448.N1	23-JAN-2011 18:29:47	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	46536	No
232	GOM_NL__2PRFIN20110123_183636_000000463098_00401_46536_1449.N1	23-JAN-2011 18:36:36	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46536	No
233	GOM_NL__2PRFIN20110123_184546_000000503098_00401_46536_1450.N1	23-JAN-2011 18:45:46	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	46536	No
234	GOM_NL__2PRFIN20110123_185247_000000443098_00401_46536_1451.N1	23-JAN-2011 18:52:47	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46536	No
235	GOM_NL__2PRFIN20110123_190828_000000483098_00401_46536_1452.N1	23-JAN-2011 19:08:28	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46536	No
236	GOM_NL__2PRFIN20110123_191303_000000363098_00401_46536_1453.N1	23-JAN-2011 19:13:03	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46536	No
237	GOM_NL__2PRFIN20110123_191735_000000393098_00401_46536_1454.N1	23-JAN-2011 19:17:35	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46536	No
238	GOM_NL__2PRFIN20110123_192651_000000523098_00401_46536_1455.N1	23-JAN-2011 19:26:51	Bright	51.500	133	40Zet Her	2.8070	6000.0	103	46536	No
239	GOM_NL__2PRFIN20110123_192916_000000603098_00401_46536_1456.N1	23-JAN-2011 19:29:16	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	46536	No
240	GOM_NL__2PRFIN20110123_193620_000000573098_00401_46536_1457.N1	23-JAN-2011 19:36:20	Bright	57.000	102	24Alp Ser	2.6000	4250.0	114	46536	No
241	GOM_NL__2PRFIN20110123_193930_000000473098_00401_46536_1458.N1	23-JAN-2011 19:39:30	Twilight	46.500	98	13Zet Oph	2.5710	30000.	93	46536	No
242	GOM_NL__2PRFIN20110123_194359_000000523098_00401_46536_1459.N1	23-JAN-2011 19:43:59	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	46536	No
243	GOM_NL__2PRFIN20110123_194931_000000423098_00401_46536_1460.N1	23-JAN-2011 19:49:31	Dark	42.000	131	Gam Lup	2.8000	26000.	84	46536	No
244	GOM_NL__2PRFIN20110123_195131_000000433098_00401_46536_1461.N1	23-JAN-2011 19:51:31	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46536	No
245	GOM_NL__2PRFIN20110123_195336_000000563098_00402_46537_1471.N1	23-JAN-2011 19:53:36	Dark	55.500	54	5The Cen	2.0550	4500.0	111	46537	No
246	GOM_NL__2PRFIN20110123_195611_000000433098_00402_46537_1472.N1	23-JAN-2011 19:56:11	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46537	No
247	GOM_NL__2PRFIN20110123_195937_000000443098_00402_46537_1473.N1	23-JAN-2011 19:59:37	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46537	No
248	GOM_NL__2PRFIN20110123_200509_000000513098_00402_46537_1474.N1	23-JAN-2011 20:05:09	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	46537	No
249	GOM_NL__2PRFIN20110123_200643_000000423098_00402_46537_1475.N1	23-JAN-2011 20:06:43	Dark	42.000	91	Kap Vel	2.4900	26000.	84	46537	No
250	GOM_NL__2PRFIN20110123_201002_000000503098_00402_46537_1476.N1	23-JAN-2011 20:10:02	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46537	No
251	GOM_NL__2PRFIN20110123_201651_000000453098_00402_46537_1477.N1	23-JAN-2011 20:16:51	Straylight	45.000	132	15Rho Pup	2.8030	6900.0	90	46537	No
252	GOM_NL__2PRFIN20110123_202600_000000563098_00402_46537_1478.N1	23-JAN-2011 20:26:00	Twilight	55.500	8	10Alp CMi	0.40000	6500.0	111	46537	No
253	GOM_NL__2PRFIN20110123_203300_000000453098_00402_46537_1479.N1	23-JAN-2011 20:33:00	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46537	No
254	GOM_NL__2PRFIN20110123_204842_000000483098_00402_46537_1480.N1	23-JAN-2011 20:48:42	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46537	No
255	GOM_NL__2PRFIN20110123_205317_000000393098_00402_46537_1481.N1	23-JAN-2011 20:53:17	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46537	No
256	GOM_NL__2PRFIN20110123_205749_000000563098_00402_46537_1482.N1	23-JAN-2011 20:57:49	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	46537	No
257	GOM_NL__2PRFIN20110123_210041_000000443098_00402_46537_1483.N1	23-JAN-2011 21:00:41	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	46537	No
258	GOM_NL__2PRFIN20110123_210705_000000393098_00402_46537_1484.N1	23-JAN-2011 21:07:05	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	46537	No
259	GOM_NL__2PRFIN20110123_210931_000000603098_00402_46537_1485.N1	23-JAN-2011 21:09:31	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	46537	No
260	GOM_NL__2PRFIN20110123_211634_000000613098_00402_46537_1486.N1	23-JAN-2011 21:16:34	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	46537	No
261	GOM_NL__2PRFIN20110123_211945_000000463098_00402_46537_1487.N1	23-JAN-2011 21:19:45	Twilight	45.500	98	13Zet Oph	2.5710	30000.	91	46537	No
262	GOM_NL__2PRFIN20110123_212414_000000563098_00402_46537_1488.N1	23-JAN-2011 21:24:14	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46537	No
263	GOM_NL__2PRFIN20110123_212946_000000433098_00402_46537_1489.N1	23-JAN-2011 21:29:46	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46537	No
264	GOM_NL__2PRFIN20110123_213146_000000443098_00402_46537_1490.N1	23-JAN-2011 21:31:46	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46537	No
265	GOM_NL__2PRFIN20110123_213351_000000543098_00403_46538_1501.N1	23-JAN-2011 21:33:51	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46538	No
266	GOM_NL__2PRFIN20110123_213625_000000423098_00403_46538_1502.N1	23-JAN-2011 21:36:25	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46538	No
267	GOM_NL__2PRFIN20110123_213952_000000443098_00403_46538_1503.N1	23-JAN-2011 21:39:52	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46538	No
268	GOM_NL__2PRFIN20110123_214523_000000513098_00403_46538_1504.N1	23-JAN-2011 21:45:23	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46538	No
269	GOM_NL__2PRFIN20110123_214657_000000393098_00403_46538_1505.N1	23-JAN-2011 21:46:57	Dark	39.000	91	Kap Vel	2.4900	26000.	78	46538	No
270	GOM_NL__2PRFIN20110123_215016_000000493098_00403_46538_1506.N1	23-JAN-2011 21:50:16	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	46538	No
271	GOM_NL__2PRFIN20110123_215705_000000453098_00403_46538_1507.N1	23-JAN-2011 21:57:05	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46538	No
272	GOM_NL__2PRFIN20110123_220614_000000573098_00403_46538_1508.N1	23-JAN-2011 22:06:14	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	46538	No
273	GOM_NL__2PRFIN20110123_221314_000000453098_00403_46538_1509.N1	23-JAN-2011 22:13:14	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46538	No
274	GOM_NL__2PRFIN20110123_222855_000000473098_00403_46538_1510.N1	23-JAN-2011 22:28:55	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46538	No
275	GOM_NL__2PRFIN20110123_223331_000000363098_00403_46538_1511.N1	23-JAN-2011 22:33:31	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46538	No
276	GOM_NL__2PRFIN20110123_223803_000000393098_00403_46538_1512.N1	23-JAN-2011 22:38:03	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46538	No
277	GOM_NL__2PRFIN20110123_224055_000000343098_00403_46538_1513.N1	23-JAN-2011 22:40:55	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	46538	No
278	GOM_NL__2PRFIN20110123_224720_000000583098_00403_46538_1514.N1	23-JAN-2011 22:47:20	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46538	No

279	GOM_NL__2PRFIN20110123_224945_000000523098_00403_46538_1515.N1	23-JAN-2011 22:49:45	Bright	52.000	67	5Alp CrB	2.2210	11000.	104	46538	No
280	GOM_NL__2PRFIN20110123_225649_000000583098_00403_46538_1516.N1	23-JAN-2011 22:56:49	Bright	58.000	102	24Alp Ser	2.6000	4250.0	116	46538	No
281	GOM_NL__2PRFIN20110123_225959_000000433098_00403_46538_1517.N1	23-JAN-2011 22:59:59	Twilight	42.500	98	13Zet Oph	2.5710	30000.	85	46538	No
282	GOM_NL__2PRFIN20110123_230429_000000553098_00403_46538_1518.N1	23-JAN-2011 23:04:29	Twilight	54.500	16	21Alp Sco	1.0200	3000.0	109	46538	No
283	GOM_NL__2PRFIN20110123_231000_000000423098_00403_46538_1519.N1	23-JAN-2011 23:10:00	Dark	41.500	131	Gam Lup	2.8000	26000.	83	46538	No
284	GOM_NL__2PRFIN20110123_231200_000000433098_00403_46538_1520.N1	23-JAN-2011 23:12:00	Dark	43.000	109	Bet Lup	2.6770	26000.	86	46538	No
285	GOM_NL__2PRFIN20110123_231406_000000543098_00404_46539_1513.N1	23-JAN-2011 23:14:06	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46539	No
286	GOM_NL__2PRFIN20110123_231640_000000403098_00404_46539_1514.N1	23-JAN-2011 23:16:40	Dark	40.000	10	Bet Cen	0.61000	28000.	80	46539	No
287	GOM_NL__2PRFIN20110123_232006_000000433098_00404_46539_1515.N1	23-JAN-2011 23:20:06	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46539	No
288	GOM_NL__2PRFIN20110123_232538_000000463098_00404_46539_1516.N1	23-JAN-2011 23:25:38	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46539	No
289	GOM_NL__2PRFIN20110123_232711_000000413098_00404_46539_1517.N1	23-JAN-2011 23:27:11	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46539	No
290	GOM_NL__2PRFIN20110123_233030_000000453098_00404_46539_1518.N1	23-JAN-2011 23:30:30	Dark	45.000	65	Lam Vel	2.2040	4400.0	90	46539	No
291	GOM_NL__2PRFIN20110123_233719_000000433098_00404_46539_1519.N1	23-JAN-2011 23:37:19	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	46539	No
292	GOM_NL__2PRFIN20110123_234628_000000503098_00404_46539_1520.N1	23-JAN-2011 23:46:28	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	46539	No
293	GOM_NL__2PRFIN20110123_235328_000000433098_00404_46539_1521.N1	23-JAN-2011 23:53:28	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	46539	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.

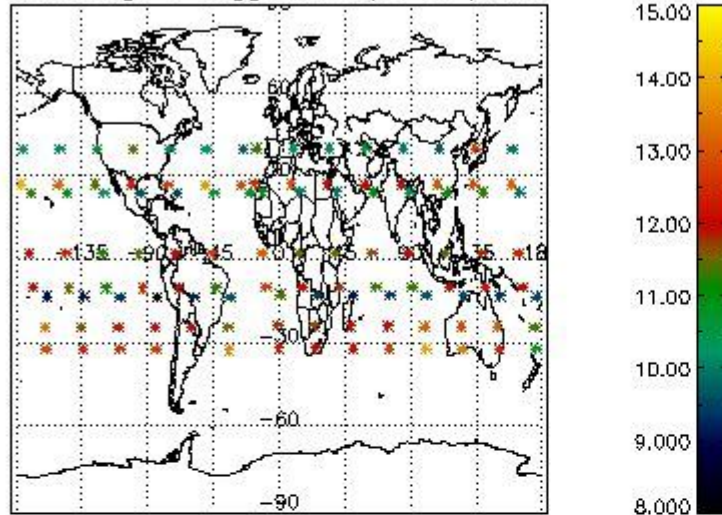
#### 3.1 Plot quality information per product (time dependant)



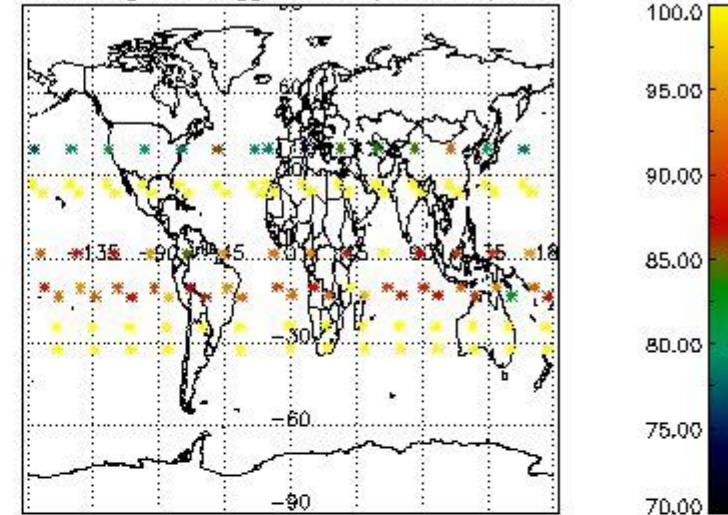


### 3.2 Plot quality information per product (world map)

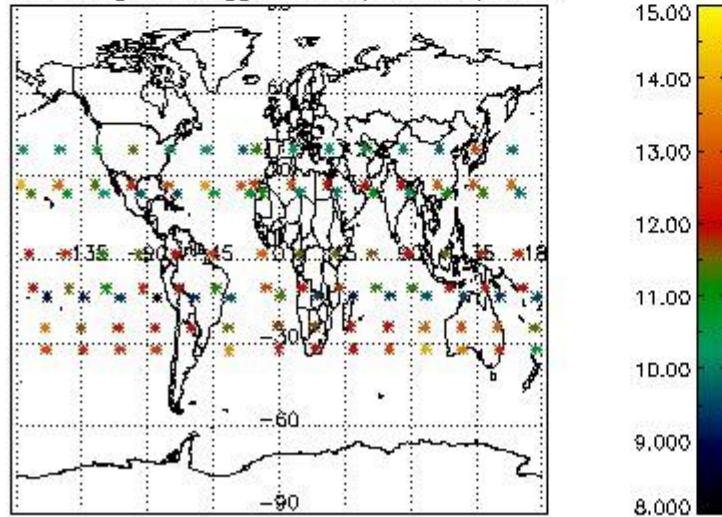
Percentage of flagged data per O3 profile



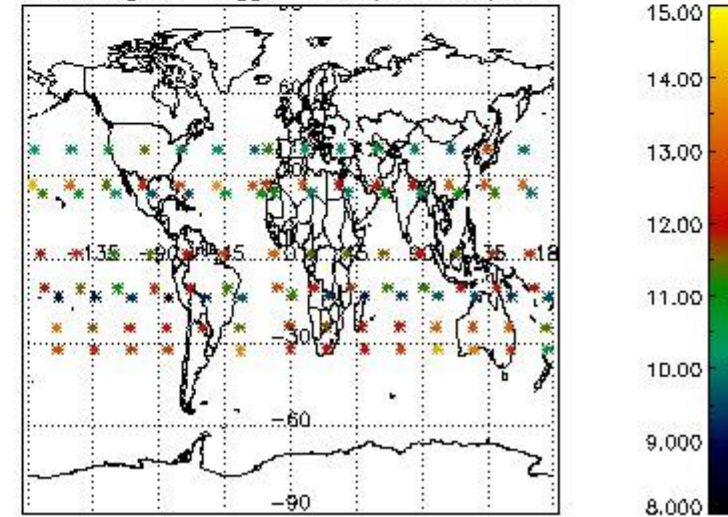
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



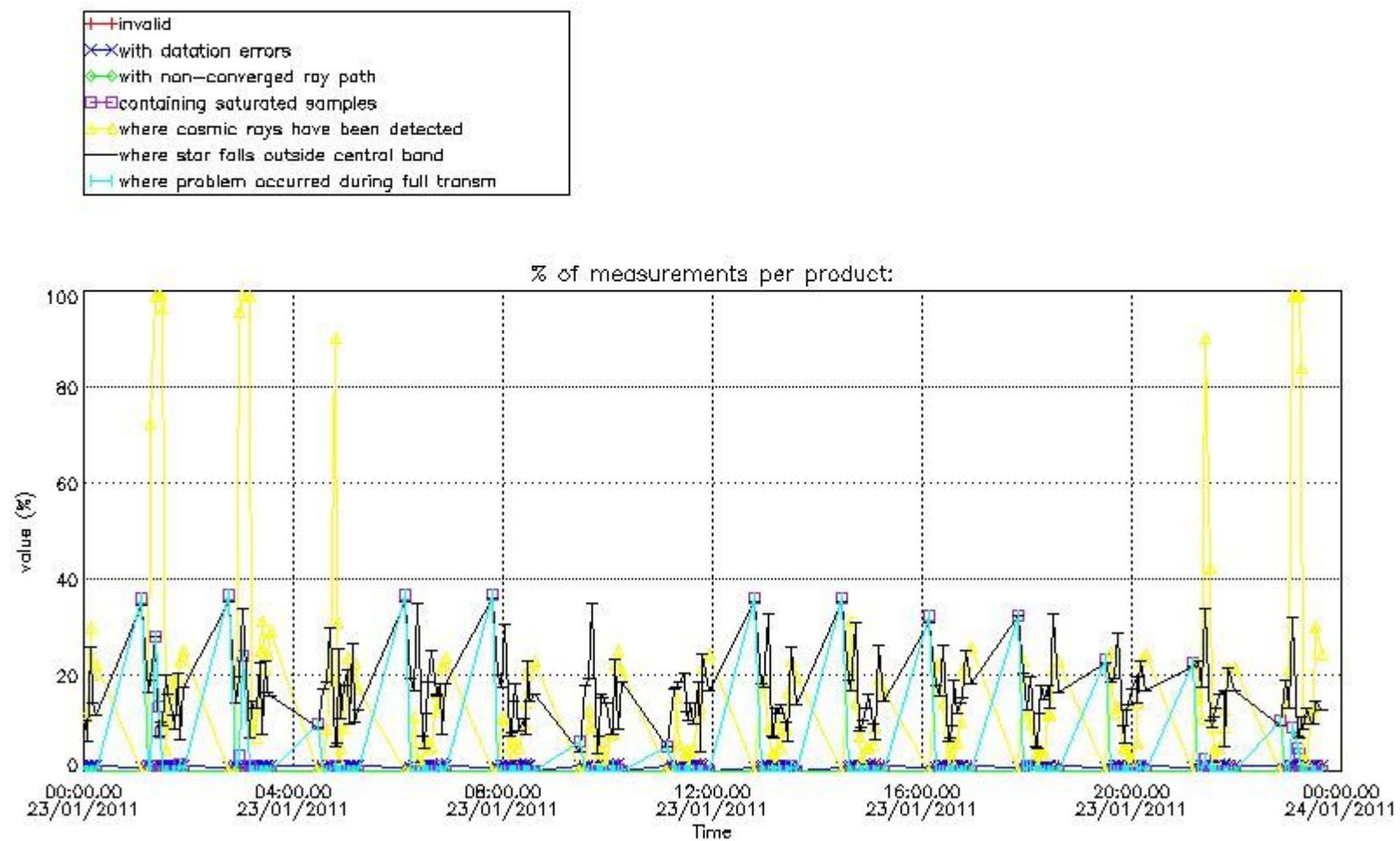
### 4. Level 1 quality information per product

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.

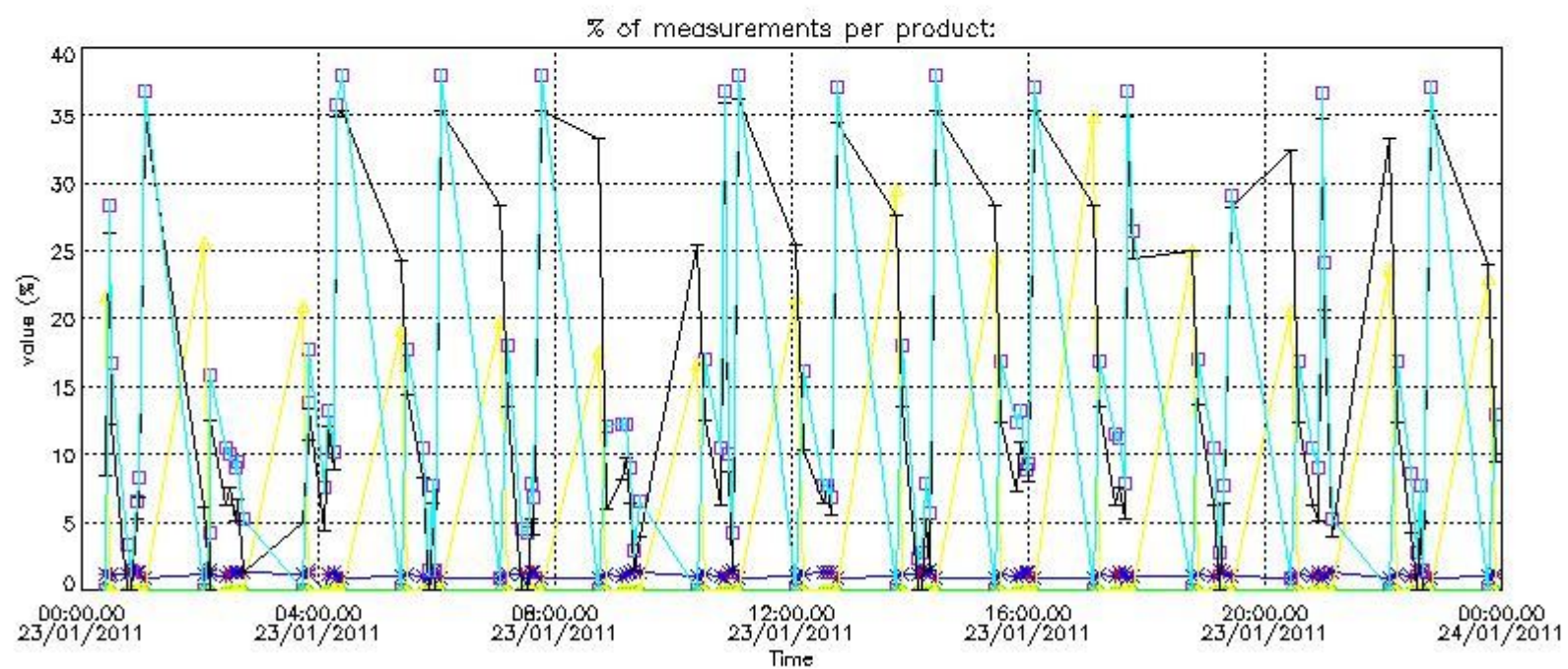
#### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

##### 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

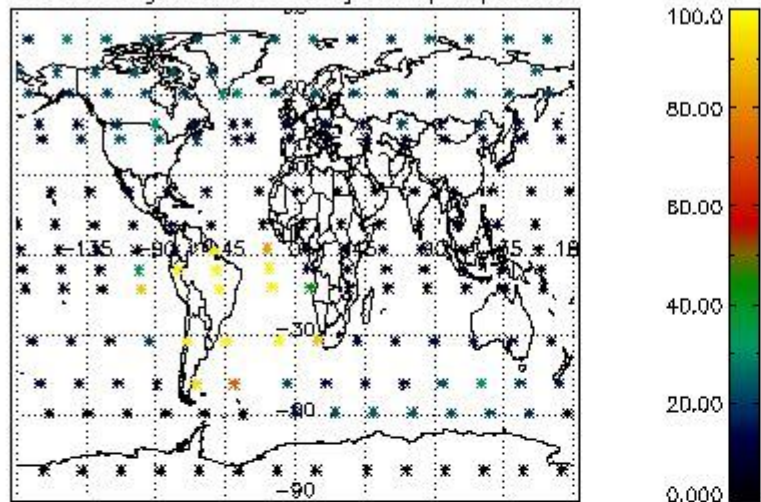


*4.2 Plot quality information per product coming from level 1b processing (world map)*

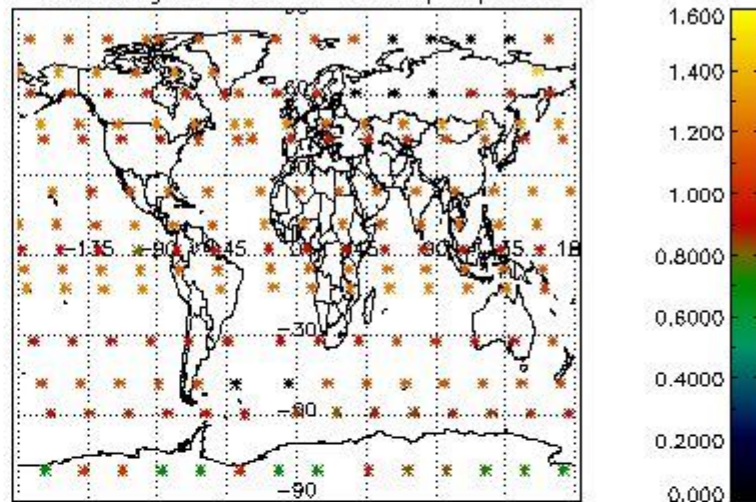
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



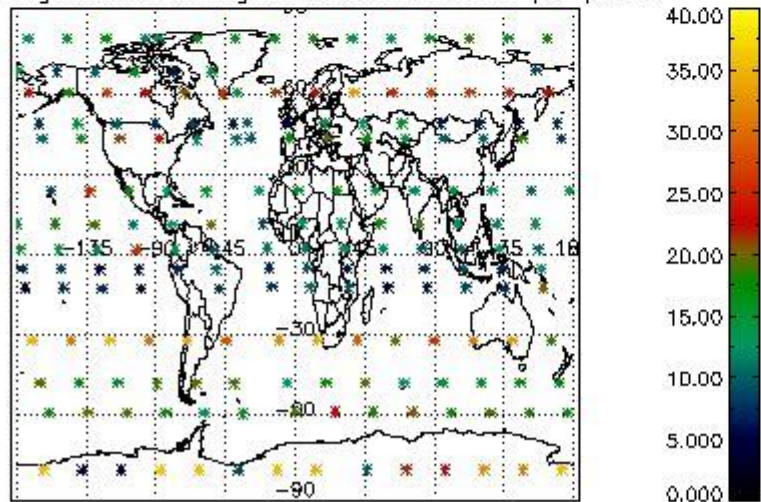
Percentage of cosmic ray hits per profile



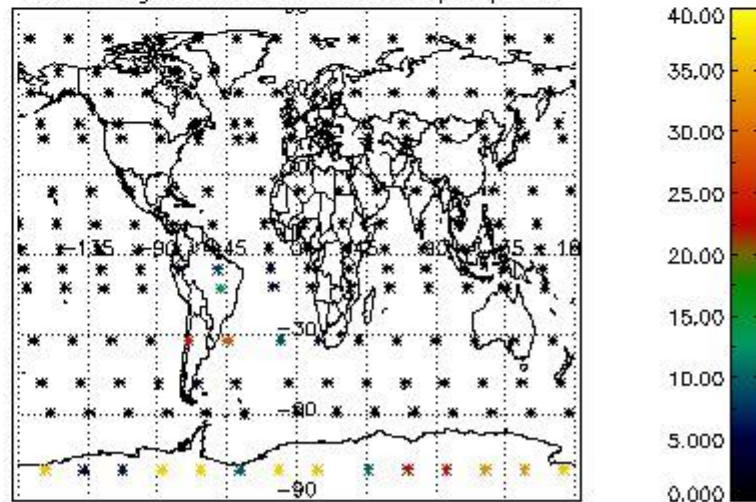
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

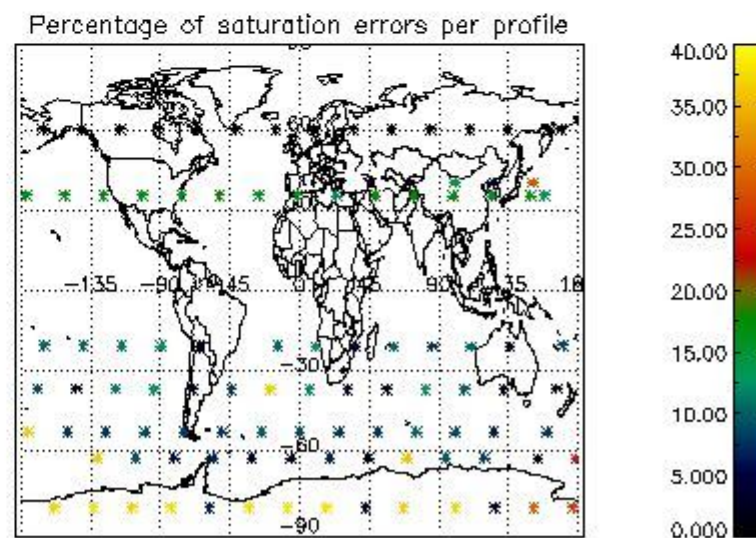
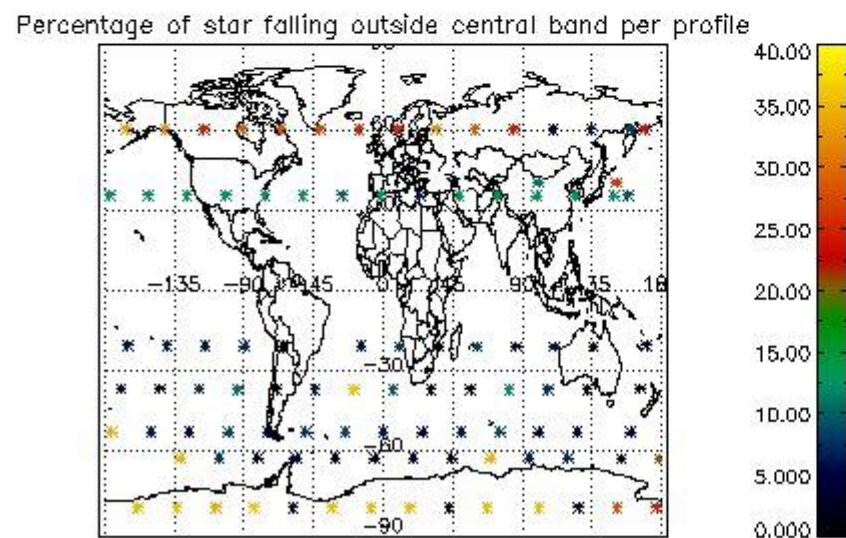
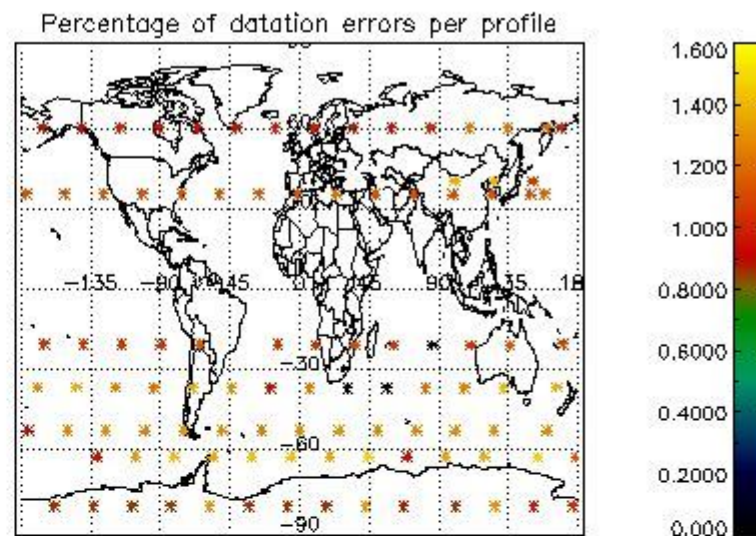
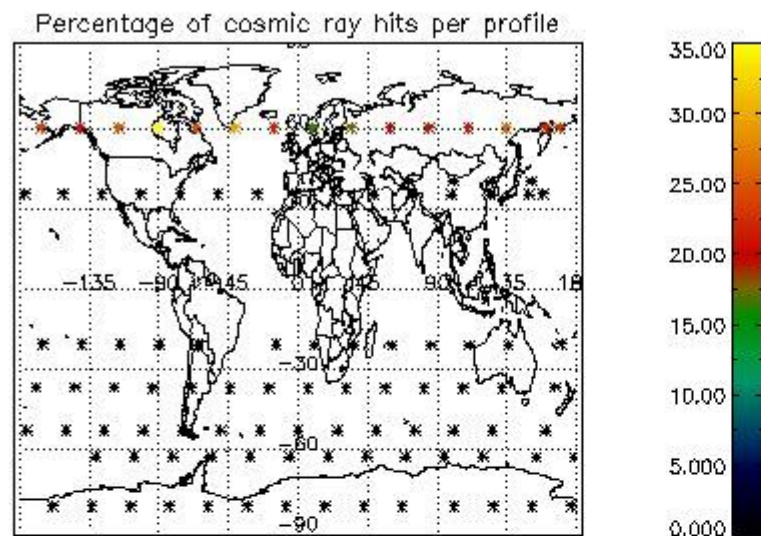


Percentage of saturation errors per profile



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

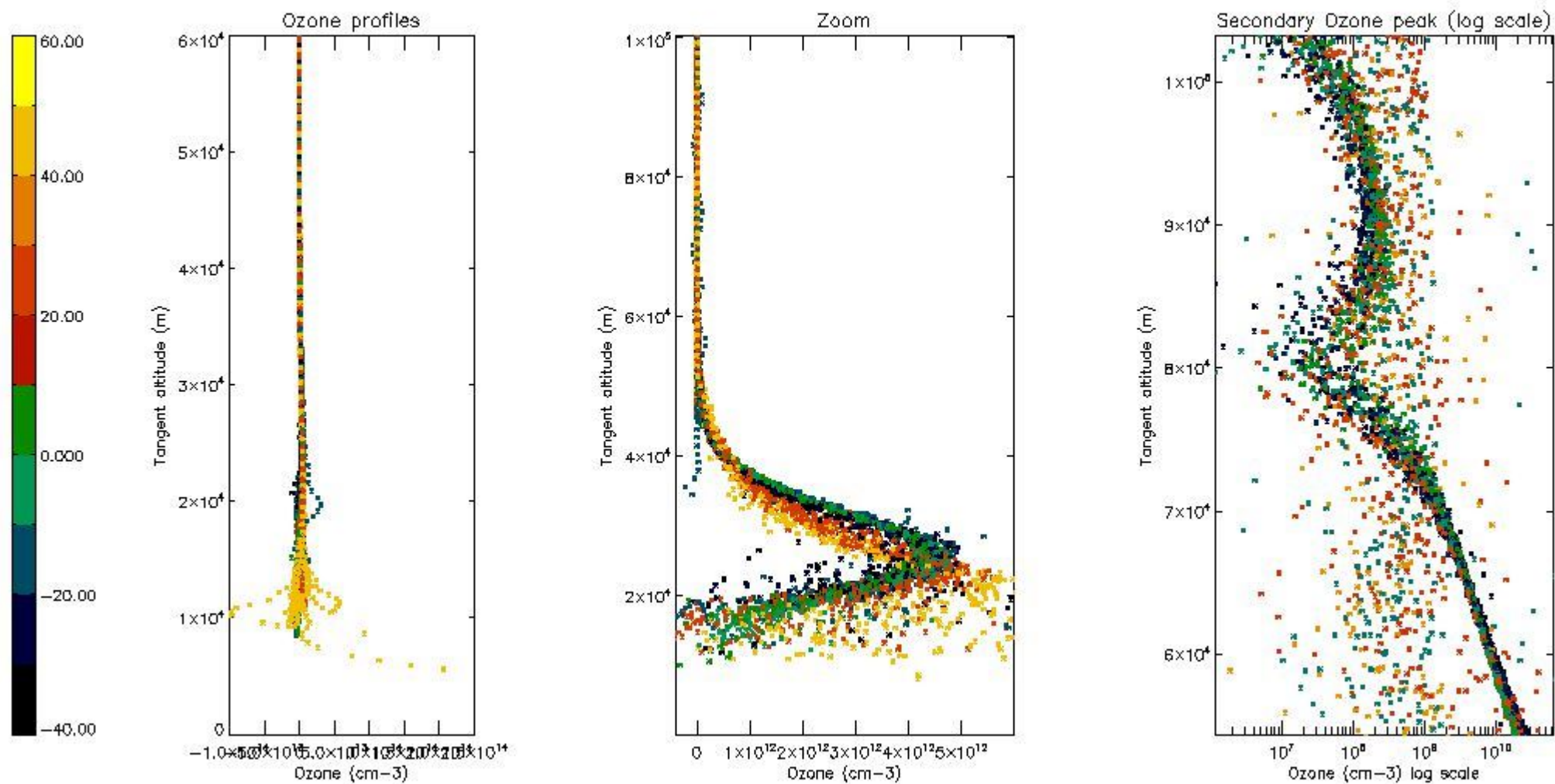
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	39
STD < 20	18

STD < 10	14
STD < 5	9

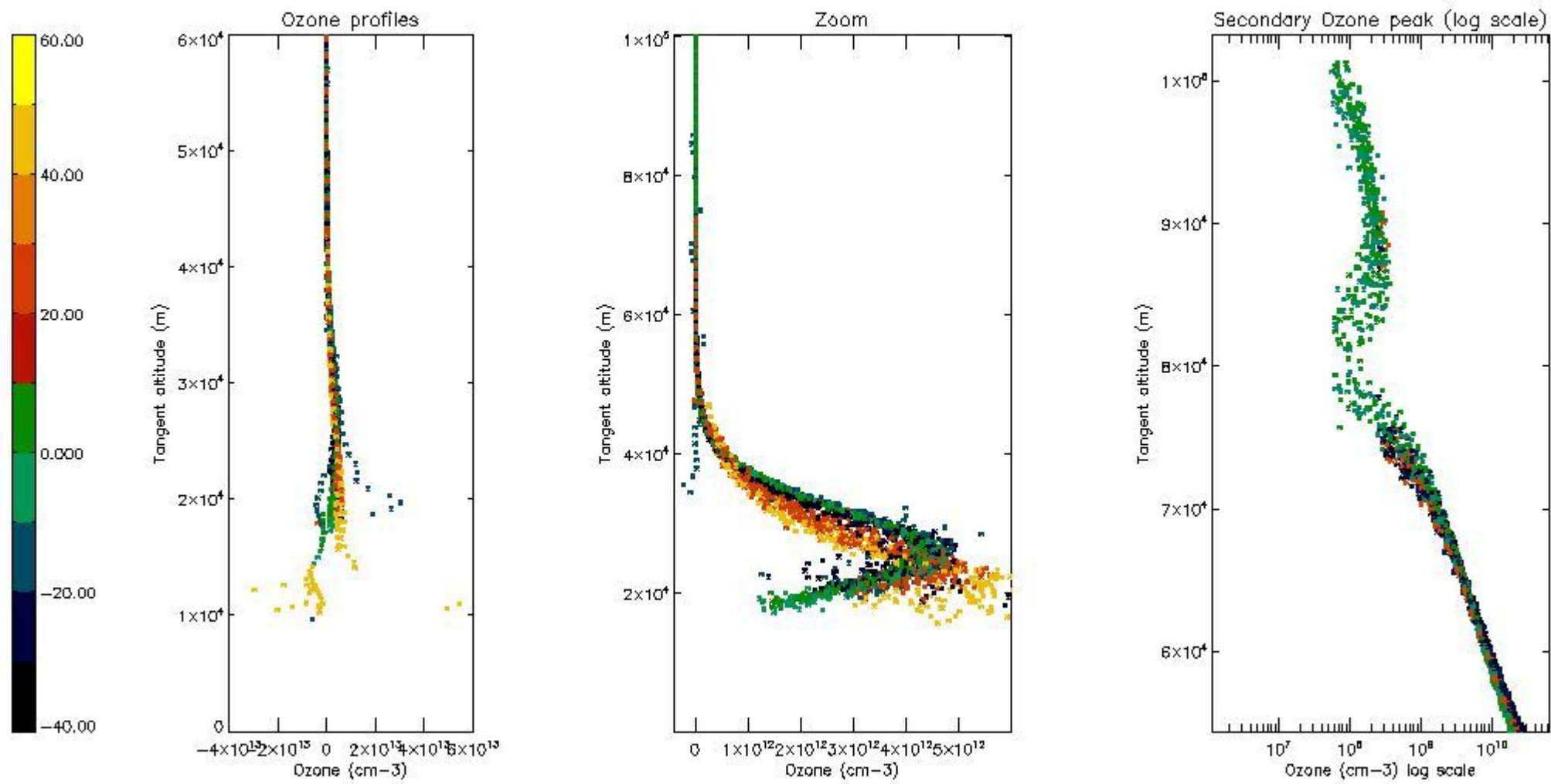
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

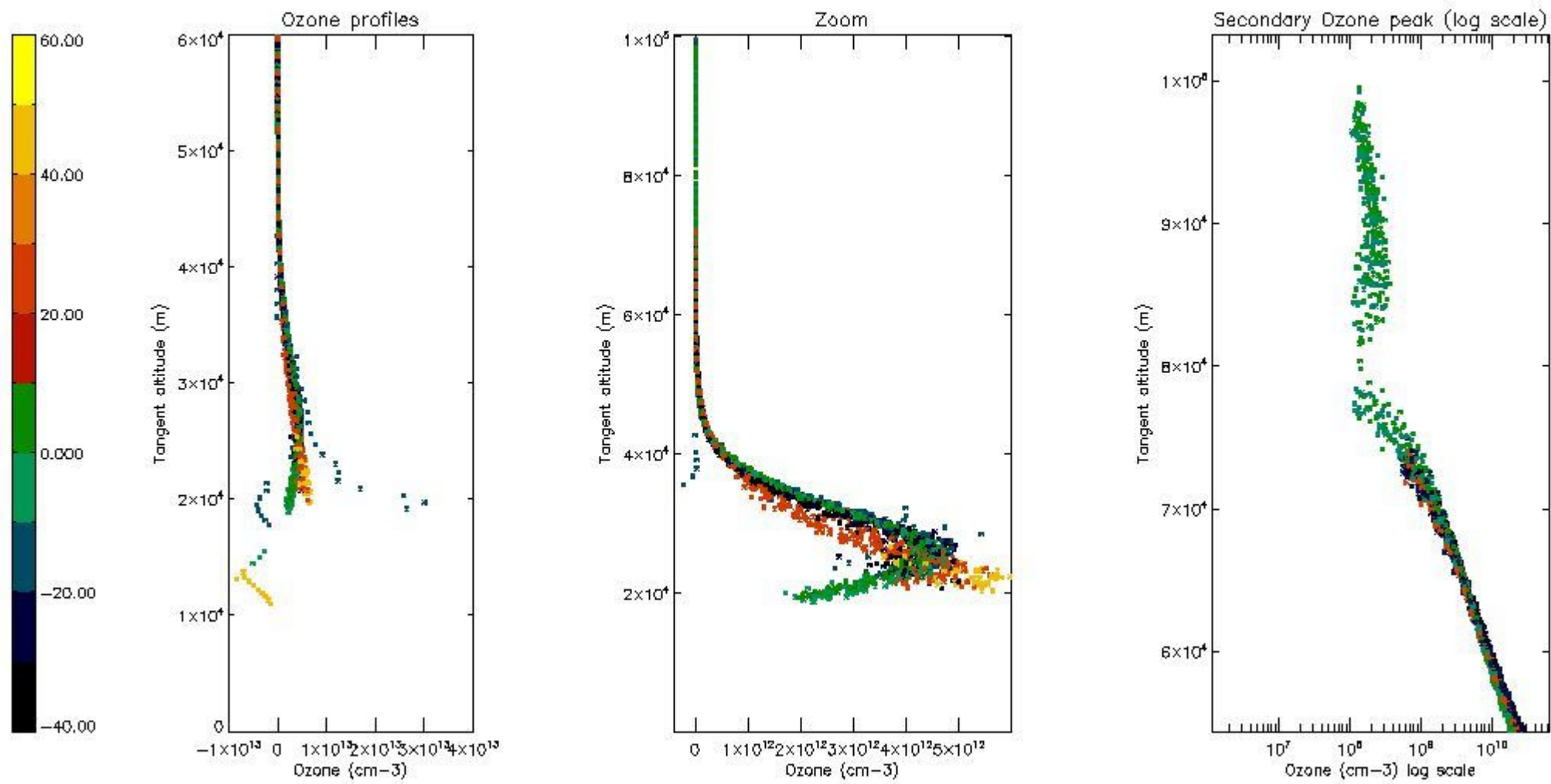
The colorbar represents the latitude.



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

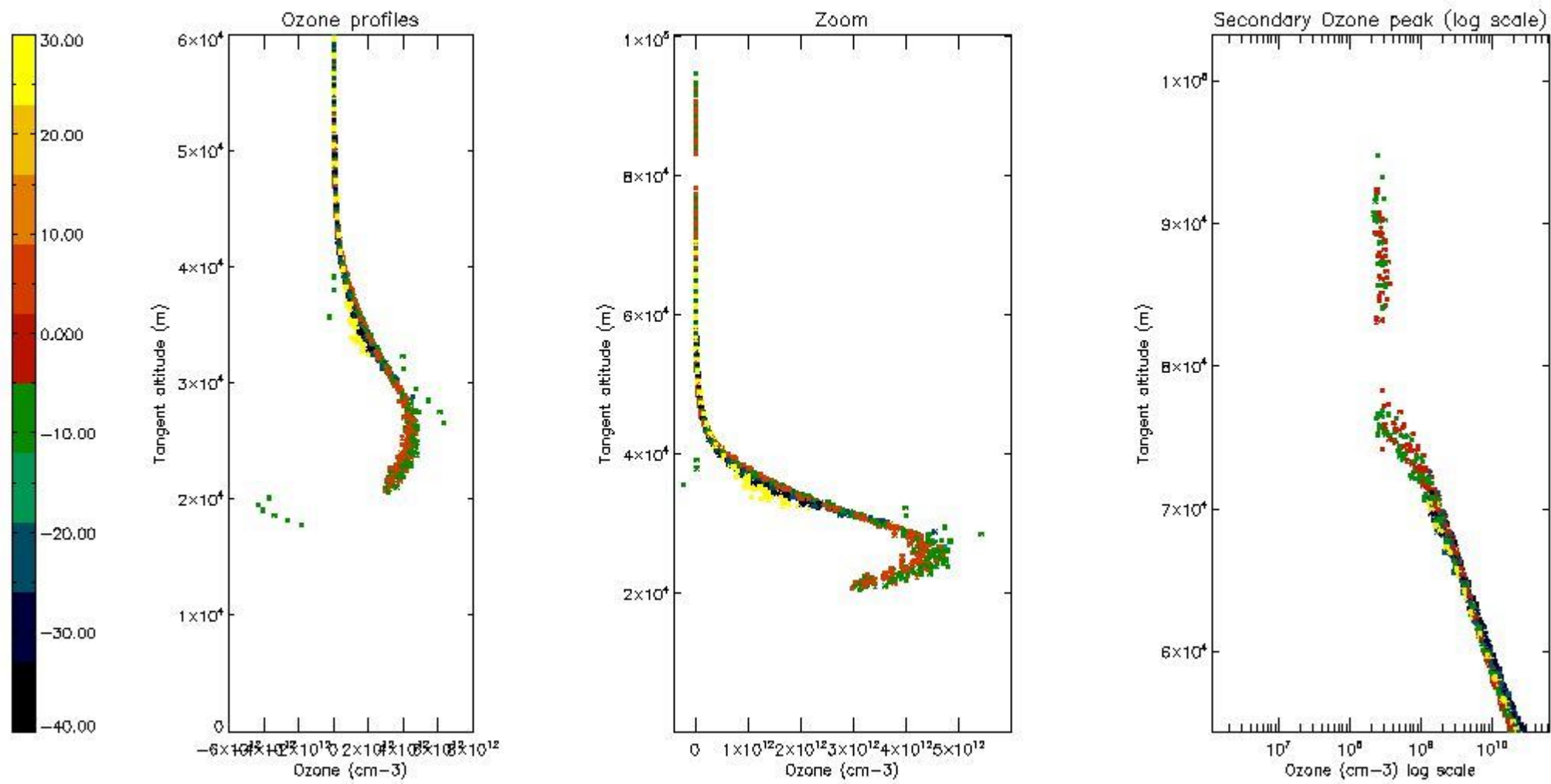
The colorbar represents the latitude.





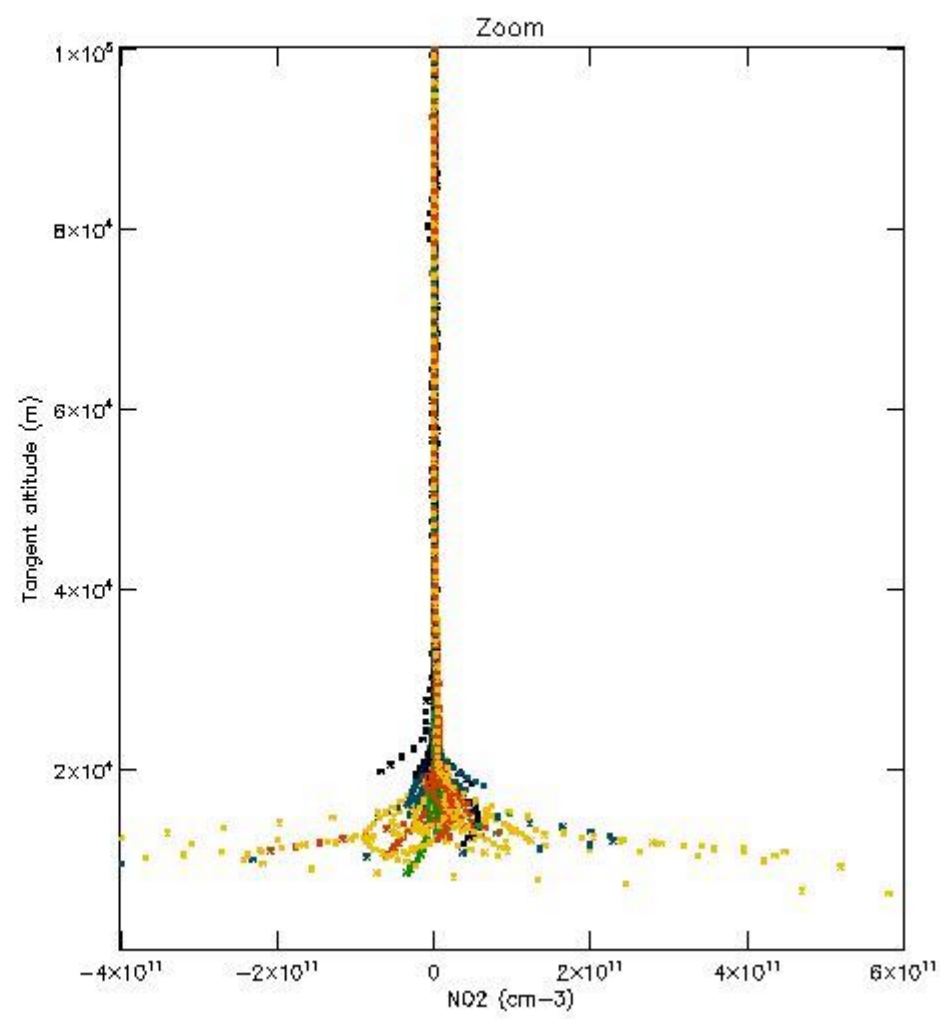
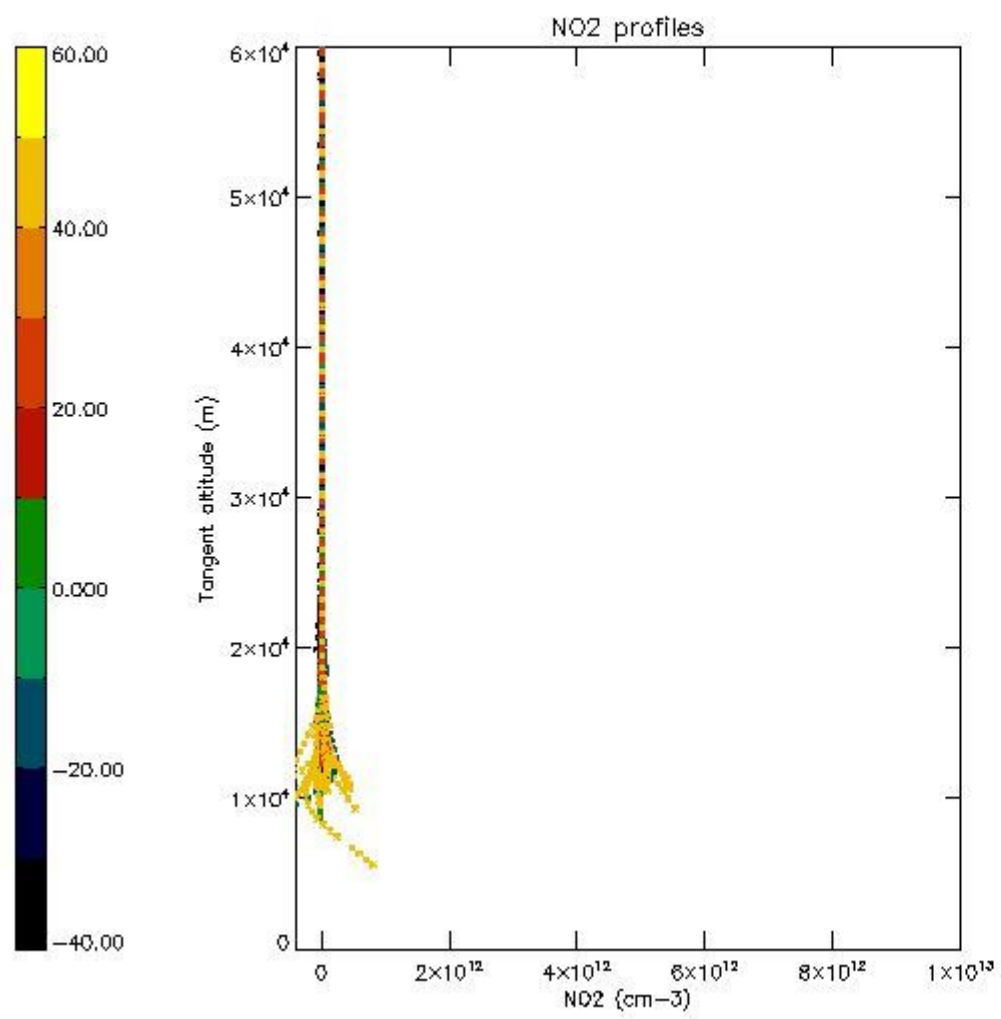
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

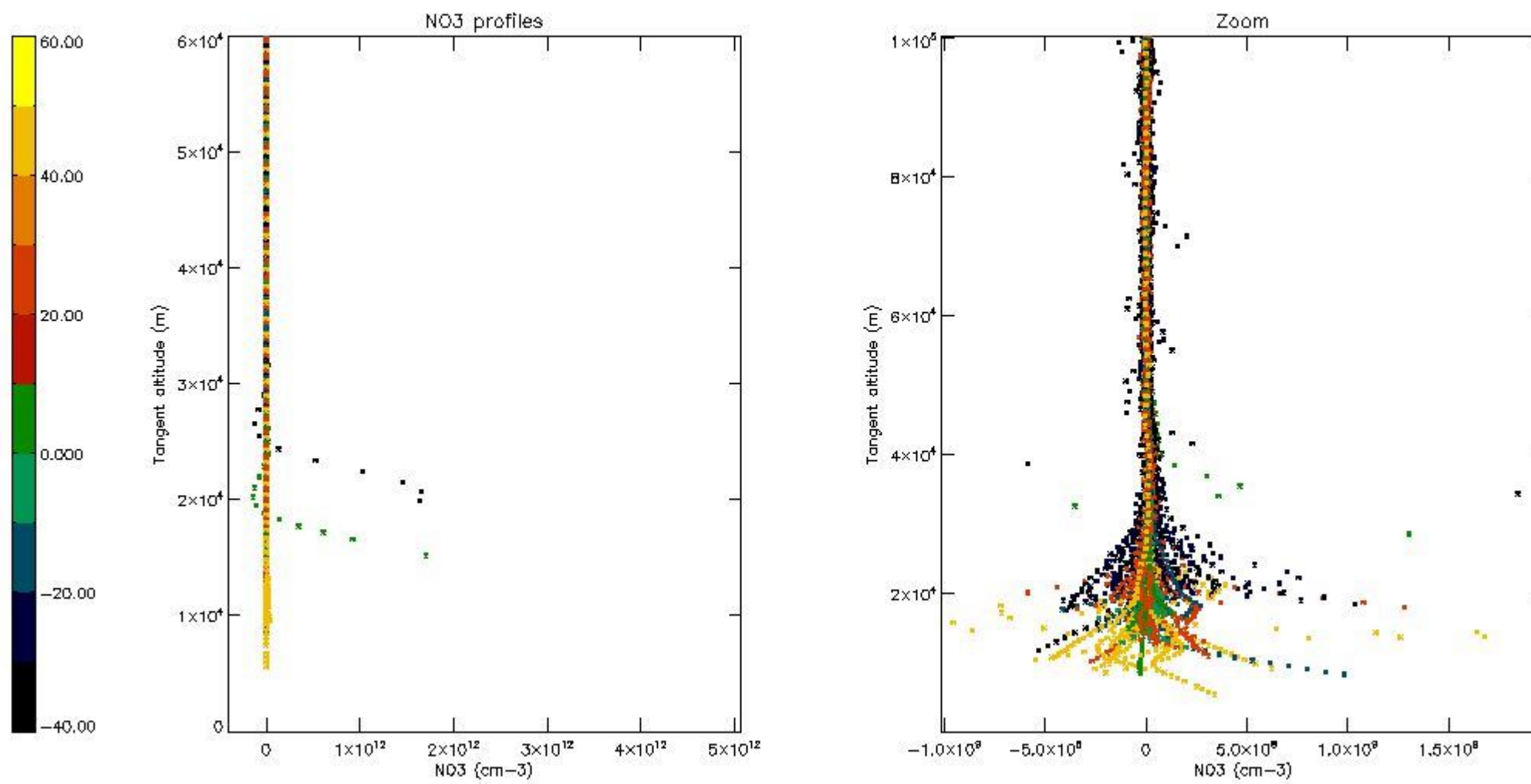
The colorbar represents the latitude.



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

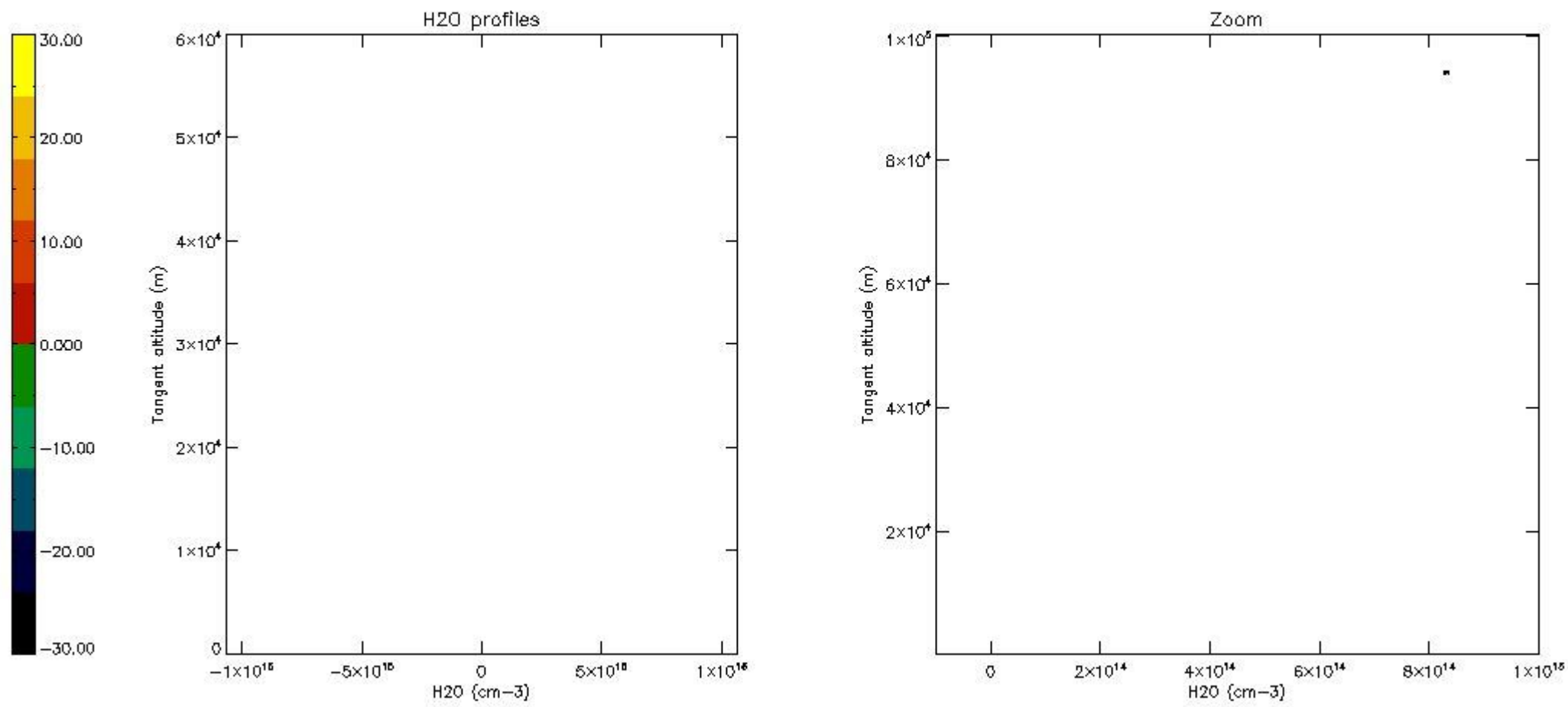
The colorbar represents the latitude.





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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JAN-2011 00:02:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-JAN-2011 00:02:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-JAN-2011 00:02:12

# 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	24APR2013 09:32:30
Data source version	GOMOS/6.01
Start time of products	23-01-2011 (23JAN2011 00:00:00)
Stop time of products	24-01-2011 (24JAN2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	293
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__2PRFIN20110123_000212_000000473098_00390_46525_1120.N1	23-JAN-2011 00:02:12	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46525	No
2	GOM_NL__2PRFIN20110123_000349_000000403098_00390_46525_1121.N1	23-JAN-2011 00:03:49	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46525	No
3	GOM_NL__2PRFIN20110123_000708_000000523098_00390_46525_1122.N1	23-JAN-2011 00:07:08	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	46525	No
4	GOM_NL__2PRFIN20110123_000930_000000433098_00390_46525_1123.N1	23-JAN-2011 00:09:30	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	46525	No
5	GOM_NL__2PRFIN20110123_001400_000000433098_00390_46525_1124.N1	23-JAN-2011 00:14:00	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	46525	No
6	GOM_NL__2PRFIN20110123_002312_000000423098_00390_46525_1125.N1	23-JAN-2011 00:23:12	Twilight	41.500	8	10Alp CMi	0.40000	6500.0	83	46525	No
7	GOM_NL__2PRFIN20110123_002850_000000483098_00390_46525_1126.N1	23-JAN-2011 00:28:50	Bright	47.500	170	27Eps Gem	3.0000	9700.0	95	46525	No
8	GOM_NL__2PRFIN20110123_003016_000000453098_00390_46525_1127.N1	23-JAN-2011 00:30:16	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46525	No
9	GOM_NL__2PRFIN20110123_004602_000000443098_00390_46525_1128.N1	23-JAN-2011 00:46:02	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46525	No
10	GOM_NL__2PRFIN20110123_005031_000000363098_00390_46525_1129.N1	23-JAN-2011 00:50:31	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46525	No
11	GOM_NL__2PRFIN20110123_005501_000000393098_00390_46525_1130.N1	23-JAN-2011 00:55:01	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46525	No
12	GOM_NL__2PRFIN20110123_005752_000000373098_00390_46525_1131.N1	23-JAN-2011 00:57:52	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46525	No
13	GOM_NL__2PRFIN20110123_010415_000000573098_00390_46525_1132.N1	23-JAN-2011 01:04:15	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46525	No
14	GOM_NL__2PRFIN20110123_010639_000000713098_00390_46525_1133.N1	23-JAN-2011 01:06:39	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46525	No
15	GOM_NL__2PRFIN20110123_011338_000000553098_00390_46525_1134.N1	23-JAN-2011 01:13:38	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46525	No
16	GOM_NL__2PRFIN20110123_011650_000000453098_00390_46525_1135.N1	23-JAN-2011 01:16:50	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46525	No
17	GOM_NL__2PRFIN20110123_012119_000000523098_00390_46525_1136.N1	23-JAN-2011 01:21:19	Twilight	51.500	16	21Alp Sco	1.0200	3000.0	103	46525	No
18	GOM_NL__2PRFIN20110123_012649_000000413098_00390_46525_1137.N1	23-JAN-2011 01:26:49	Dark	41.000	131	Gam Lup	2.8000	26000.	82	46525	No
19	GOM_NL__2PRFIN20110123_012848_000000443098_00390_46525_1138.N1	23-JAN-2011 01:28:48	Dark	44.000	109	Bet Lup	2.6770	26000.	88	46525	No
20	GOM_NL__2PRFIN20110123_013049_000000533098_00391_46526_1127.N1	23-JAN-2011 01:30:49	Dark	52.500	54	5The Cen	2.0550	4500.0	105	46526	No
21	GOM_NL__2PRFIN20110123_013330_000000453098_00391_46526_1128.N1	23-JAN-2011 01:33:30	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46526	No
22	GOM_NL__2PRFIN20110123_013657_000000443098_00391_46526_1129.N1	23-JAN-2011 01:36:57	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46526	No
23	GOM_NL__2PRFIN20110123_014227_000000473098_00391_46526_1130.N1	23-JAN-2011 01:42:27	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46526	No
24	GOM_NL__2PRFIN20110123_014404_000000413098_00391_46526_1131.N1	23-JAN-2011 01:44:04	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46526	No
25	GOM_NL__2PRFIN20110123_014722_000000493098_00391_46526_1132.N1	23-JAN-2011 01:47:22	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	46526	No
26	GOM_NL__2PRFIN20110123_014944_000000393098_00391_46526_1133.N1	23-JAN-2011 01:49:44	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	46526	No
27	GOM_NL__2PRFIN20110123_015414_000000463098_00391_46526_1134.N1	23-JAN-2011 01:54:14	Straylight	46.000	132	15Rho Pup	2.8030	6900.0	92	46526	No
28	GOM_NL__2PRFIN20110123_020326_000000413098_00391_46526_1135.N1	23-JAN-2011 02:03:26	Twilight	41.000	8	10Alp CMi	0.40000	6500.0	82	46526	No
29	GOM_NL__2PRFIN20110123_020904_000000363098_00391_46526_1136.N1	23-JAN-2011 02:09:04	Bright	35.500	170	27Eps Gem	3.0000	9700.0	71	46526	No
30	GOM_NL__2PRFIN20110123_021029_000000443098_00391_46526_1137.N1	23-JAN-2011 02:10:29	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46526	No
31	GOM_NL__2PRFIN20110123_022615_000000483098_00391_46526_1138.N1	23-JAN-2011 02:26:15	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46526	No
32	GOM_NL__2PRFIN20110123_023045_000000403098_00391_46526_1139.N1	23-JAN-2011 02:30:45	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46526	No
33	GOM_NL__2PRFIN20110123_023515_000000393098_00391_46526_1140.N1	23-JAN-2011 02:35:15	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46526	No
34	GOM_NL__2PRFIN20110123_023806_000000373098_00391_46526_1141.N1	23-JAN-2011 02:38:06	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	46526	No
35	GOM_NL__2PRFIN20110123_024429_000000383098_00391_46526_1142.N1	23-JAN-2011 02:44:29	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46526	No
36	GOM_NL__2PRFIN20110123_024653_000000723098_00391_46526_1143.N1	23-JAN-2011 02:46:53	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46526	No
37	GOM_NL__2PRFIN20110123_025352_000000543098_00391_46526_1144.N1	23-JAN-2011 02:53:52	Bright	53.500	102	24Alp Ser	2.6000	4250.0	107	46526	No
38	GOM_NL__2PRFIN20110123_025705_000000463098_00391_46526_1145.N1	23-JAN-2011 02:57:05	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46526	No
39	GOM_NL__2PRFIN20110123_030134_000000563098_00391_46526_1146.N1	23-JAN-2011 03:01:34	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46526	No
40	GOM_NL__2PRFIN20110123_030903_000000433098_00391_46526_1147.N1	23-JAN-2011 03:09:03	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46526	No
41	GOM_NL__2PRFIN20110123_031104_000000553098_00392_46527_1138.N1	23-JAN-2011 03:11:04	Dark	55.000	54	5The Cen	2.0550	4500.0	110	46527	No
42	GOM_NL__2PRFIN20110123_031345_000000433098_00392_46527_1139.N1	23-JAN-2011 03:13:45	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46527	No

43	GOM_NL__2PRFIN20110123_031712_000000433098_00392_46527_1140.N1	23-JAN-2011 03:17:12	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46527	No
44	GOM_NL__2PRFIN20110123_032242_000000543098_00392_46527_1141.N1	23-JAN-2011 03:22:42	Dark	53.500	113	Mu Vel	2.6920	5000.0	107	46527	No
45	GOM_NL__2PRFIN20110123_032418_000000403098_00392_46527_1142.N1	23-JAN-2011 03:24:18	Dark	40.000	91	Kap Vel	2.4900	26000.	80	46527	No
46	GOM_NL__2PRFIN20110123_032737_000000503098_00392_46527_1143.N1	23-JAN-2011 03:27:37	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46527	No
47	GOM_NL__2PRFIN20110123_032959_000000433098_00392_46527_1144.N1	23-JAN-2011 03:29:59	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	46527	No
48	GOM_NL__2PRFIN20110123_033428_000000453098_00392_46527_1145.N1	23-JAN-2011 03:34:28	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46527	No
49	GOM_NL__2PRFIN20110123_034340_000000413098_00392_46527_1146.N1	23-JAN-2011 03:43:40	Tw_i_and_stray	40.500	8	10Alp CMi	0.40000	6500.0	81	46527	No
50	GOM_NL__2PRFIN20110123_034921_000000363098_00392_46527_1147.N1	23-JAN-2011 03:49:21	Bright	36.000	170	27Eps Gem	3.0000	9700.0	72	46527	No
51	GOM_NL__2PRFIN20110123_035043_000000453098_00392_46527_1148.N1	23-JAN-2011 03:50:43	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46527	No
52	GOM_NL__2PRFIN20110123_040629_000000473098_00392_46527_1149.N1	23-JAN-2011 04:06:29	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46527	No
53	GOM_NL__2PRFIN20110123_041059_000000423098_00392_46527_1150.N1	23-JAN-2011 04:10:59	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46527	No
54	GOM_NL__2PRFIN20110123_041530_000000403098_00392_46527_1151.N1	23-JAN-2011 04:15:30	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46527	No
55	GOM_NL__2PRFIN20110123_041820_000000533098_00392_46527_1152.N1	23-JAN-2011 04:18:20	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	46527	No
56	GOM_NL__2PRFIN20110123_042444_000000583098_00392_46527_1153.N1	23-JAN-2011 04:24:44	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46527	No
57	GOM_NL__2PRFIN20110123_042707_000000513098_00392_46527_1154.N1	23-JAN-2011 04:27:07	Bright	50.500	67	5Alp CrB	2.2210	11000.	101	46527	No
58	GOM_NL__2PRFIN20110123_043407_000000563098_00392_46527_1155.N1	23-JAN-2011 04:34:07	Bright	55.500	102	24Alp Ser	2.6000	4250.0	111	46527	No
59	GOM_NL__2PRFIN20110123_043719_000000463098_00392_46527_1156.N1	23-JAN-2011 04:37:19	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46527	No
60	GOM_NL__2PRFIN20110123_044148_000000523098_00392_46527_1157.N1	23-JAN-2011 04:41:48	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	46527	No
61	GOM_NL__2PRFIN20110123_044719_000000403098_00392_46527_1158.N1	23-JAN-2011 04:47:19	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46527	No
62	GOM_NL__2PRFIN20110123_044918_000000423098_00392_46527_1159.N1	23-JAN-2011 04:49:18	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46527	No
63	GOM_NL__2PRFIN20110123_045119_000000633098_00393_46528_1149.N1	23-JAN-2011 04:51:19	Dark	63.000	54	5The Cen	2.0550	4500.0	126	46528	No
64	GOM_NL__2PRFIN20110123_045400_000000413098_00393_46528_1150.N1	23-JAN-2011 04:54:00	Dark	41.000	10	Bet Cen	0.61000	28000.	82	46528	No
65	GOM_NL__2PRFIN20110123_045726_000000453098_00393_46528_1151.N1	23-JAN-2011 04:57:26	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	46528	No
66	GOM_NL__2PRFIN20110123_050256_000000533098_00393_46528_1152.N1	23-JAN-2011 05:02:56	Dark	52.500	113	Mu Vel	2.6920	5000.0	105	46528	No
67	GOM_NL__2PRFIN20110123_050433_000000413098_00393_46528_1153.N1	23-JAN-2011 05:04:33	Dark	41.000	91	Kap Vel	2.4900	26000.	82	46528	No
68	GOM_NL__2PRFIN20110123_050752_000000533098_00393_46528_1154.N1	23-JAN-2011 05:07:52	Dark	53.000	65	Lam Vel	2.2040	4400.0	106	46528	No
69	GOM_NL__2PRFIN20110123_051013_000000403098_00393_46528_1155.N1	23-JAN-2011 05:10:13	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	46528	No
70	GOM_NL__2PRFIN20110123_051443_000000443098_00393_46528_1156.N1	23-JAN-2011 05:14:43	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46528	No
71	GOM_NL__2PRFIN20110123_052354_000000503098_00393_46528_1157.N1	23-JAN-2011 05:23:54	Tw_i_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	46528	No
72	GOM_NL__2PRFIN20110123_053057_000000453098_00393_46528_1158.N1	23-JAN-2011 05:30:57	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46528	No
73	GOM_NL__2PRFIN20110123_054642_000000483098_00393_46528_1159.N1	23-JAN-2011 05:46:42	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46528	No
74	GOM_NL__2PRFIN20110123_055112_000000353098_00393_46528_1160.N1	23-JAN-2011 05:51:12	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46528	No
75	GOM_NL__2PRFIN20110123_055544_000000393098_00393_46528_1161.N1	23-JAN-2011 05:55:44	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46528	No
76	GOM_NL__2PRFIN20110123_055834_000000343098_00393_46528_1162.N1	23-JAN-2011 05:58:34	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	46528	No
77	GOM_NL__2PRFIN20110123_060458_000000583098_00393_46528_1163.N1	23-JAN-2011 06:04:58	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46528	No
78	GOM_NL__2PRFIN20110123_060722_000000723098_00393_46528_1164.N1	23-JAN-2011 06:07:22	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46528	No
79	GOM_NL__2PRFIN20110123_061422_000000583098_00393_46528_1165.N1	23-JAN-2011 06:14:22	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	46528	No
80	GOM_NL__2PRFIN20110123_061734_000000453098_00393_46528_1166.N1	23-JAN-2011 06:17:34	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46528	No
81	GOM_NL__2PRFIN20110123_062203_000000563098_00393_46528_1167.N1	23-JAN-2011 06:22:03	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46528	No
82	GOM_NL__2PRFIN20110123_062734_000000413098_00393_46528_1168.N1	23-JAN-2011 06:27:34	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46528	No
83	GOM_NL__2PRFIN20110123_062933_000000423098_00393_46528_1169.N1	23-JAN-2011 06:29:33	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46528	No
84	GOM_NL__2PRFIN20110123_063135_000000543098_00394_46529_1159.N1	23-JAN-2011 06:31:35	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46529	No
85	GOM_NL__2PRFIN20110123_063414_000000463098_00394_46529_1160.N1	23-JAN-2011 06:34:14	Dark	45.500	10	Bet Cen	0.61000	28000.	91	46529	No
86	GOM_NL__2PRFIN20110123_063741_000000503098_00394_46529_1161.N1	23-JAN-2011 06:37:41	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	46529	No
87	GOM_NL__2PRFIN20110123_064311_000000503098_00394_46529_1162.N1	23-JAN-2011 06:43:11	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46529	No
88	GOM_NL__2PRFIN20110123_064447_000000453098_00394_46529_1163.N1	23-JAN-2011 06:44:47	Dark	44.500	91	Kap Vel	2.4900	26000.	89	46529	No
89	GOM_NL__2PRFIN20110123_064806_000000473098_00394_46529_1164.N1	23-JAN-2011 06:48:06	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	46529	No
90	GOM_NL__2PRFIN20110123_065028_000000393098_00394_46529_1165.N1	23-JAN-2011 06:50:28	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	46529	No
91	GOM_NL__2PRFIN20110123_065457_000000473098_00394_46529_1166.N1	23-JAN-2011 06:54:57	Straylight	46.500	132	15Rho Pup	2.8030	6900.0	93	46529	No
92	GOM_NL__2PRFIN20110123_070408_000000533098_00394_46529_1167.N1	23-JAN-2011 07:04:08	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46529	No
93	GOM_NL__2PRFIN20110123_071111_000000453098_00394_46529_1168.N1	23-JAN-2011 07:11:11	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46529	No
94	GOM_NL__2PRFIN20110123_072655_000000453098_00394_46529_1169.N1	23-JAN-2011 07:26:55	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	46529	No
95	GOM_NL__2PRFIN20110123_073126_000000363098_00394_46529_1170.N1	23-JAN-2011 07:31:26	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46529	No
96	GOM_NL__2PRFIN20110123_073557_000000393098_00394_46529_1171.N1	23-JAN-2011 07:35:57	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46529	No
97	GOM_NL__2PRFIN20110123_073849_000000373098_00394_46529_1172.N1	23-JAN-2011 07:38:49	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46529	No
98	GOM_NL__2PRFIN20110123_074512_000000583098_00394_46529_1173.N1	23-JAN-2011 07:45:12	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46529	No
99	GOM_NL__2PRFIN20110123_074736_000000723098_00394_46529_1174.N1	23-JAN-2011 07:47:36	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46529	No
100	GOM_NL__2PRFIN20110123_075437_000000583098_00394_46529_1175.N1	23-JAN-2011 07:54:37	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	46529	No
101	GOM_NL__2PRFIN20110123_075749_000000463098_00394_46529_1176.N1	23-JAN-2011 07:57:49	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	46529	No

102	GOM_NL__2PRFIN20110123_080218_000000533098_00394_46529_1177.N1	23-JAN-2011 08:02:18	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	46529	No
103	GOM_NL__2PRFIN20110123_080749_000000413098_00394_46529_1178.N1	23-JAN-2011 08:07:49	Dark	41.000	131	Gam Lup	2.8000	26000.	82	46529	No
104	GOM_NL__2PRFIN20110123_080947_000000443098_00394_46529_1179.N1	23-JAN-2011 08:09:47	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46529	No
105	GOM_NL__2PRFIN20110123_081150_000000563098_00395_46530_1184.N1	23-JAN-2011 08:11:50	Dark	55.500	54	5The Cen	2.0550	4500.0	111	46530	No
106	GOM_NL__2PRFIN20110123_081429_000000443098_00395_46530_1185.N1	23-JAN-2011 08:14:29	Dark	44.000	10	Bet Cen	0.61000	28000.	88	46530	No
107	GOM_NL__2PRFIN20110123_081755_000000413098_00395_46530_1186.N1	23-JAN-2011 08:17:55	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46530	No
108	GOM_NL__2PRFIN20110123_082326_000000473098_00395_46530_1187.N1	23-JAN-2011 08:23:26	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46530	No
109	GOM_NL__2PRFIN20110123_082502_000000393098_00395_46530_1188.N1	23-JAN-2011 08:25:02	Dark	38.500	91	Kap Vel	2.4900	26000.	77	46530	No
110	GOM_NL__2PRFIN20110123_082821_000000503098_00395_46530_1189.N1	23-JAN-2011 08:28:21	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46530	No
111	GOM_NL__2PRFIN20110123_083042_000000423098_00395_46530_1190.N1	23-JAN-2011 08:30:42	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	46530	No
112	GOM_NL__2PRFIN20110123_083511_000000443098_00395_46530_1191.N1	23-JAN-2011 08:35:11	Straylight	44.000	132	15Rho Pup	2.8030	6900.0	88	46530	No
113	GOM_NL__2PRFIN20110123_084422_000000573098_00395_46530_1192.N1	23-JAN-2011 08:44:22	Twilight_and_stray	57.000	8	10Alp CMi	0.40000	6500.0	114	46530	No
114	GOM_NL__2PRFIN20110123_085124_000000423098_00395_46530_1193.N1	23-JAN-2011 08:51:24	Bright	41.500	17	78Bet Gem	1.1610	4500.0	83	46530	No
115	GOM_NL__2PRFIN20110123_090709_000000493098_00395_46530_1194.N1	23-JAN-2011 09:07:09	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	46530	No
116	GOM_NL__2PRFIN20110123_091140_000000413098_00395_46530_1195.N1	23-JAN-2011 09:11:40	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46530	No
117	GOM_NL__2PRFIN20110123_091611_000000393098_00395_46530_1196.N1	23-JAN-2011 09:16:11	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46530	No
118	GOM_NL__2PRFIN20110123_091903_000000353098_00395_46530_1197.N1	23-JAN-2011 09:19:03	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46530	No
119	GOM_NL__2PRFIN20110123_092526_000000393098_00395_46530_1198.N1	23-JAN-2011 09:25:26	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	46530	No
120	GOM_NL__2PRFIN20110123_092751_000000493098_00395_46530_1199.N1	23-JAN-2011 09:27:51	Bright	48.500	67	5Alp CrB	2.2210	11000.	97	46530	No
121	GOM_NL__2PRFIN20110123_093451_000000573098_00395_46530_1200.N1	23-JAN-2011 09:34:51	Bright	56.500	102	24Alp Ser	2.6000	4250.0	113	46530	No
122	GOM_NL__2PRFIN20110123_093803_000000473098_00395_46530_1201.N1	23-JAN-2011 09:38:03	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	46530	No
123	GOM_NL__2PRFIN20110123_094232_000000563098_00395_46530_1202.N1	23-JAN-2011 09:42:32	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46530	No
124	GOM_NL__2PRFIN20110123_094803_000000403098_00395_46530_1203.N1	23-JAN-2011 09:48:03	Dark	39.500	131	Gam Lup	2.8000	26000.	79	46530	No
125	GOM_NL__2PRFIN20110123_095002_000000423098_00395_46530_1204.N1	23-JAN-2011 09:50:02	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46530	No
126	GOM_NL__2PRFIN20110123_095205_000000563098_00396_46531_1231.N1	23-JAN-2011 09:52:05	Dark	56.000	54	5The Cen	2.0550	4500.0	112	46531	No
127	GOM_NL__2PRFIN20110123_095443_000000433098_00396_46531_1232.N1	23-JAN-2011 09:54:43	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46531	No
128	GOM_NL__2PRFIN20110123_095810_000000433098_00396_46531_1233.N1	23-JAN-2011 09:58:10	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46531	No
129	GOM_NL__2PRFIN20110123_100341_000000453098_00396_46531_1234.N1	23-JAN-2011 10:03:41	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46531	No
130	GOM_NL__2PRFIN20110123_100516_000000403098_00396_46531_1235.N1	23-JAN-2011 10:05:16	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46531	No
131	GOM_NL__2PRFIN20110123_100835_000000503098_00396_46531_1236.N1	23-JAN-2011 10:08:35	Dark	49.500	65	Lam Vel	2.2040	4400.0	99	46531	No
132	GOM_NL__2PRFIN20110123_101101_000000343098_00396_46531_1237.N1	23-JAN-2011 10:11:01	Straylight	34.000	70	Zet Pup	2.2460	39000.	68	46531	No
133	GOM_NL__2PRFIN20110123_101525_000000463098_00396_46531_1238.N1	23-JAN-2011 10:15:25	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46531	No
134	GOM_NL__2PRFIN20110123_102436_000000513098_00396_46531_1239.N1	23-JAN-2011 10:24:36	Twilight_and_stray	51.000	8	10Alp CMi	0.40000	6500.0	102	46531	No
135	GOM_NL__2PRFIN20110123_103138_000000443098_00396_46531_1240.N1	23-JAN-2011 10:31:38	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46531	No
136	GOM_NL__2PRFIN20110123_104722_000000483098_00396_46531_1241.N1	23-JAN-2011 10:47:22	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46531	No
137	GOM_NL__2PRFIN20110123_105154_000000573098_00396_46531_1242.N1	23-JAN-2011 10:51:54	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	46531	No
138	GOM_NL__2PRFIN20110123_105625_000000403098_00396_46531_1243.N1	23-JAN-2011 10:56:25	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	46531	No
139	GOM_NL__2PRFIN20110123_105917_000000353098_00396_46531_1244.N1	23-JAN-2011 10:59:17	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46531	No
140	GOM_NL__2PRFIN20110123_110540_000000583098_00396_46531_1245.N1	23-JAN-2011 11:05:40	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46531	No
141	GOM_NL__2PRFIN20110123_110805_000000493098_00396_46531_1246.N1	23-JAN-2011 11:08:05	Bright	48.500	67	5Alp CrB	2.2210	11000.	97	46531	No
142	GOM_NL__2PRFIN20110123_111506_000000563098_00396_46531_1247.N1	23-JAN-2011 11:15:06	Bright	55.500	102	24Alp Ser	2.6000	4250.0	111	46531	No
143	GOM_NL__2PRFIN20110123_111817_000000463098_00396_46531_1248.N1	23-JAN-2011 11:18:17	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	46531	No
144	GOM_NL__2PRFIN20110123_112247_000000463098_00396_46531_1249.N1	23-JAN-2011 11:22:47	Twilight	45.500	16	21Alp Sco	1.0200	3000.0	91	46531	No
145	GOM_NL__2PRFIN20110123_112818_000000473098_00396_46531_1250.N1	23-JAN-2011 11:28:18	Dark	47.000	131	Gam Lup	2.8000	26000.	94	46531	No
146	GOM_NL__2PRFIN20110123_113017_000000453098_00396_46531_1251.N1	23-JAN-2011 11:30:17	Dark	44.500	109	Bet Lup	2.6770	26000.	89	46531	No
147	GOM_NL__2PRFIN20110123_113220_000000533098_00397_46532_1346.N1	23-JAN-2011 11:32:20	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46532	No
148	GOM_NL__2PRFIN20110123_113458_000000433098_00397_46532_1347.N1	23-JAN-2011 11:34:58	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46532	No
149	GOM_NL__2PRFIN20110123_113824_000000413098_00397_46532_1348.N1	23-JAN-2011 11:38:24	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46532	No
150	GOM_NL__2PRFIN20110123_114355_000000513098_00397_46532_1349.N1	23-JAN-2011 11:43:55	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	46532	No
151	GOM_NL__2PRFIN20110123_114531_000000393098_00397_46532_1350.N1	23-JAN-2011 11:45:31	Dark	38.500	91	Kap Vel	2.4900	26000.	77	46532	No
152	GOM_NL__2PRFIN20110123_114849_000000513098_00397_46532_1351.N1	23-JAN-2011 11:48:49	Dark	51.000	65	Lam Vel	2.2040	4400.0	102	46532	No
153	GOM_NL__2PRFIN20110123_115539_000000453098_00397_46532_1352.N1	23-JAN-2011 11:55:39	Straylight	45.000	132	15Rho Pup	2.8030	6900.0	90	46532	No
154	GOM_NL__2PRFIN20110123_120450_000000513098_00397_46532_1353.N1	23-JAN-2011 12:04:50	Twilight_and_stray	51.000	8	10Alp CMi	0.40000	6500.0	102	46532	No
155	GOM_NL__2PRFIN20110123_121152_000000443098_00397_46532_1354.N1	23-JAN-2011 12:11:52	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	46532	No
156	GOM_NL__2PRFIN20110123_123208_000000393098_00397_46532_1355.N1	23-JAN-2011 12:32:08	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46532	No
157	GOM_NL__2PRFIN20110123_123639_000000393098_00397_46532_1356.N1	23-JAN-2011 12:36:39	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46532	No
158	GOM_NL__2PRFIN20110123_123931_000000373098_00397_46532_1357.N1	23-JAN-2011 12:39:31	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46532	No
159	GOM_NL__2PRFIN20110123_124554_000000583098_00397_46532_1358.N1	23-JAN-2011 12:45:54	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46532	No
160	GOM_NL__2PRFIN20110123_124819_000000723098_00397_46532_1359.N1	23-JAN-2011 12:48:19	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46532	No



161	GOM_NL__2PRFIN20110123_125521_000000583098_00397_46532_1360.N1	23-JAN-2011 12:55:21	Bright	57.500	102	24Alp Ser	2.6000	4250.0	115	46532	No
162	GOM_NL__2PRFIN20110123_125832_000000463098_00397_46532_1361.N1	23-JAN-2011 12:58:32	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46532	No
163	GOM_NL__2PRFIN20110123_130301_000000553098_00397_46532_1362.N1	23-JAN-2011 13:03:01	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	46532	No
164	GOM_NL__2PRFIN20110123_130832_000000413098_00397_46532_1363.N1	23-JAN-2011 13:08:32	Dark	41.000	131	Gam Lup	2.8000	26000.	82	46532	No
165	GOM_NL__2PRFIN20110123_131032_000000433098_00397_46532_1364.N1	23-JAN-2011 13:10:32	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46532	No
166	GOM_NL__2PRFIN20110123_131235_000000543098_00398_46533_1379.N1	23-JAN-2011 13:12:35	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46533	No
167	GOM_NL__2PRFIN20110123_131512_000000423098_00398_46533_1380.N1	23-JAN-2011 13:15:12	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46533	No
168	GOM_NL__2PRFIN20110123_131839_000000433098_00398_46533_1381.N1	23-JAN-2011 13:18:39	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	46533	No
169	GOM_NL__2PRFIN20110123_132410_000000453098_00398_46533_1382.N1	23-JAN-2011 13:24:10	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46533	No
170	GOM_NL__2PRFIN20110123_132545_000000403098_00398_46533_1383.N1	23-JAN-2011 13:25:45	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46533	No
171	GOM_NL__2PRFIN20110123_132904_000000523098_00398_46533_1384.N1	23-JAN-2011 13:29:04	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	46533	No
172	GOM_NL__2PRFIN20110123_133554_000000443098_00398_46533_1385.N1	23-JAN-2011 13:35:54	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46533	No
173	GOM_NL__2PRFIN20110123_134504_000000533098_00398_46533_1386.N1	23-JAN-2011 13:45:04	Tw_i_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	46533	No
174	GOM_NL__2PRFIN20110123_135205_000000453098_00398_46533_1387.N1	23-JAN-2011 13:52:05	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46533	No
175	GOM_NL__2PRFIN20110123_140749_000000433098_00398_46533_1388.N1	23-JAN-2011 14:07:49	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46533	No
176	GOM_NL__2PRFIN20110123_141222_000000363098_00398_46533_1389.N1	23-JAN-2011 14:12:22	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46533	No
177	GOM_NL__2PRFIN20110123_141653_000000383098_00398_46533_1390.N1	23-JAN-2011 14:16:53	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46533	No
178	GOM_NL__2PRFIN20110123_141945_000000353098_00398_46533_1391.N1	23-JAN-2011 14:19:45	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46533	No
179	GOM_NL__2PRFIN20110123_142609_000000583098_00398_46533_1392.N1	23-JAN-2011 14:26:09	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46533	No
180	GOM_NL__2PRFIN20110123_142833_000000723098_00398_46533_1393.N1	23-JAN-2011 14:28:33	Bright	72.000	67	5Alp CrB	2.2210	11000.	144	46533	No
181	GOM_NL__2PRFIN20110123_143535_000000583098_00398_46533_1394.N1	23-JAN-2011 14:35:35	Bright	58.000	102	24Alp Ser	2.6000	4250.0	116	46533	No
182	GOM_NL__2PRFIN20110123_143846_000000453098_00398_46533_1395.N1	23-JAN-2011 14:38:46	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46533	No
183	GOM_NL__2PRFIN20110123_144316_000000543098_00398_46533_1396.N1	23-JAN-2011 14:43:16	Twilight	53.500	16	21Alp Sco	1.0200	3000.0	107	46533	No
184	GOM_NL__2PRFIN20110123_144847_000000423098_00398_46533_1397.N1	23-JAN-2011 14:48:47	Dark	41.500	131	Gam Lup	2.8000	26000.	83	46533	No
185	GOM_NL__2PRFIN20110123_145047_000000443098_00398_46533_1398.N1	23-JAN-2011 14:50:47	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46533	No
186	GOM_NL__2PRFIN20110123_145250_000000533098_00399_46534_1397.N1	23-JAN-2011 14:52:50	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46534	No
187	GOM_NL__2PRFIN20110123_145527_000000433098_00399_46534_1398.N1	23-JAN-2011 14:55:27	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46534	No
188	GOM_NL__2PRFIN20110123_145854_000000443098_00399_46534_1399.N1	23-JAN-2011 14:58:54	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46534	No
189	GOM_NL__2PRFIN20110123_150425_000000463098_00399_46534_1400.N1	23-JAN-2011 15:04:25	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46534	No
190	GOM_NL__2PRFIN20110123_150559_000000393098_00399_46534_1401.N1	23-JAN-2011 15:05:59	Dark	39.000	91	Kap Vel	2.4900	26000.	78	46534	No
191	GOM_NL__2PRFIN20110123_150918_000000523098_00399_46534_1402.N1	23-JAN-2011 15:09:18	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46534	No
192	GOM_NL__2PRFIN20110123_151608_000000453098_00399_46534_1403.N1	23-JAN-2011 15:16:08	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46534	No
193	GOM_NL__2PRFIN20110123_152518_000000533098_00399_46534_1404.N1	23-JAN-2011 15:25:18	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46534	No
194	GOM_NL__2PRFIN20110123_153219_000000453098_00399_46534_1405.N1	23-JAN-2011 15:32:19	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46534	No
195	GOM_NL__2PRFIN20110123_154802_000000493098_00399_46534_1406.N1	23-JAN-2011 15:48:02	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46534	No
196	GOM_NL__2PRFIN20110123_155235_000000423098_00399_46534_1407.N1	23-JAN-2011 15:52:35	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46534	No
197	GOM_NL__2PRFIN20110123_155707_000000403098_00399_46534_1408.N1	23-JAN-2011 15:57:07	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46534	No
198	GOM_NL__2PRFIN20110123_155959_000000383098_00399_46534_1409.N1	23-JAN-2011 15:59:59	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	46534	No
199	GOM_NL__2PRFIN20110123_160623_000000583098_00399_46534_1410.N1	23-JAN-2011 16:06:23	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46534	No
200	GOM_NL__2PRFIN20110123_160848_000000683098_00399_46534_1411.N1	23-JAN-2011 16:08:48	Bright	68.000	67	5Alp CrB	2.2210	11000.	136	46534	No
201	GOM_NL__2PRFIN20110123_161550_000000573098_00399_46534_1412.N1	23-JAN-2011 16:15:50	Bright	56.500	102	24Alp Ser	2.6000	4250.0	113	46534	No
202	GOM_NL__2PRFIN20110123_161901_000000453098_00399_46534_1413.N1	23-JAN-2011 16:19:01	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	46534	No
203	GOM_NL__2PRFIN20110123_162330_000000503098_00399_46534_1414.N1	23-JAN-2011 16:23:30	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	46534	No
204	GOM_NL__2PRFIN20110123_162902_000000403098_00399_46534_1415.N1	23-JAN-2011 16:29:02	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46534	No
205	GOM_NL__2PRFIN20110123_163102_000000433098_00399_46534_1416.N1	23-JAN-2011 16:31:02	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46534	No
206	GOM_NL__2PRFIN20110123_163306_000000533098_00400_46535_1415.N1	23-JAN-2011 16:33:06	Dark	52.500	54	5The Cen	2.0550	4500.0	105	46535	No
207	GOM_NL__2PRFIN20110123_163542_000000453098_00400_46535_1416.N1	23-JAN-2011 16:35:42	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46535	No
208	GOM_NL__2PRFIN20110123_163908_000000423098_00400_46535_1417.N1	23-JAN-2011 16:39:08	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46535	No
209	GOM_NL__2PRFIN20110123_164439_000000493098_00400_46535_1418.N1	23-JAN-2011 16:44:39	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	46535	No
210	GOM_NL__2PRFIN20110123_164614_000000433098_00400_46535_1419.N1	23-JAN-2011 16:46:14	Dark	42.500	91	Kap Vel	2.4900	26000.	85	46535	No
211	GOM_NL__2PRFIN20110123_164933_000000503098_00400_46535_1420.N1	23-JAN-2011 16:49:33	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46535	No
212	GOM_NL__2PRFIN20110123_165622_000000473098_00400_46535_1421.N1	23-JAN-2011 16:56:22	Straylight	46.500	132	15Rho Pup	2.8030	6900.0	93	46535	No
213	GOM_NL__2PRFIN20110123_170532_000000533098_00400_46535_1422.N1	23-JAN-2011 17:05:32	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46535	No
214	GOM_NL__2PRFIN20110123_171233_000000453098_00400_46535_1423.N1	23-JAN-2011 17:12:33	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46535	No
215	GOM_NL__2PRFIN20110123_172815_000000483098_00400_46535_1424.N1	23-JAN-2011 17:28:15	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46535	No
216	GOM_NL__2PRFIN20110123_173249_000000403098_00400_46535_1425.N1	23-JAN-2011 17:32:49	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46535	No
217	GOM_NL__2PRFIN20110123_173721_000000393098_00400_46535_1426.N1	23-JAN-2011 17:37:21	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46535	No
218	GOM_NL__2PRFIN20110123_174013_000000533098_00400_46535_1427.N1	23-JAN-2011 17:40:13	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	46535	No
219	GOM_NL__2PRFIN20110123_174637_000000493098_00400_46535_1428.N1	23-JAN-2011 17:46:37	Bright	49.000	133	40Zet Her	2.8070	6000.0	98	46535	No



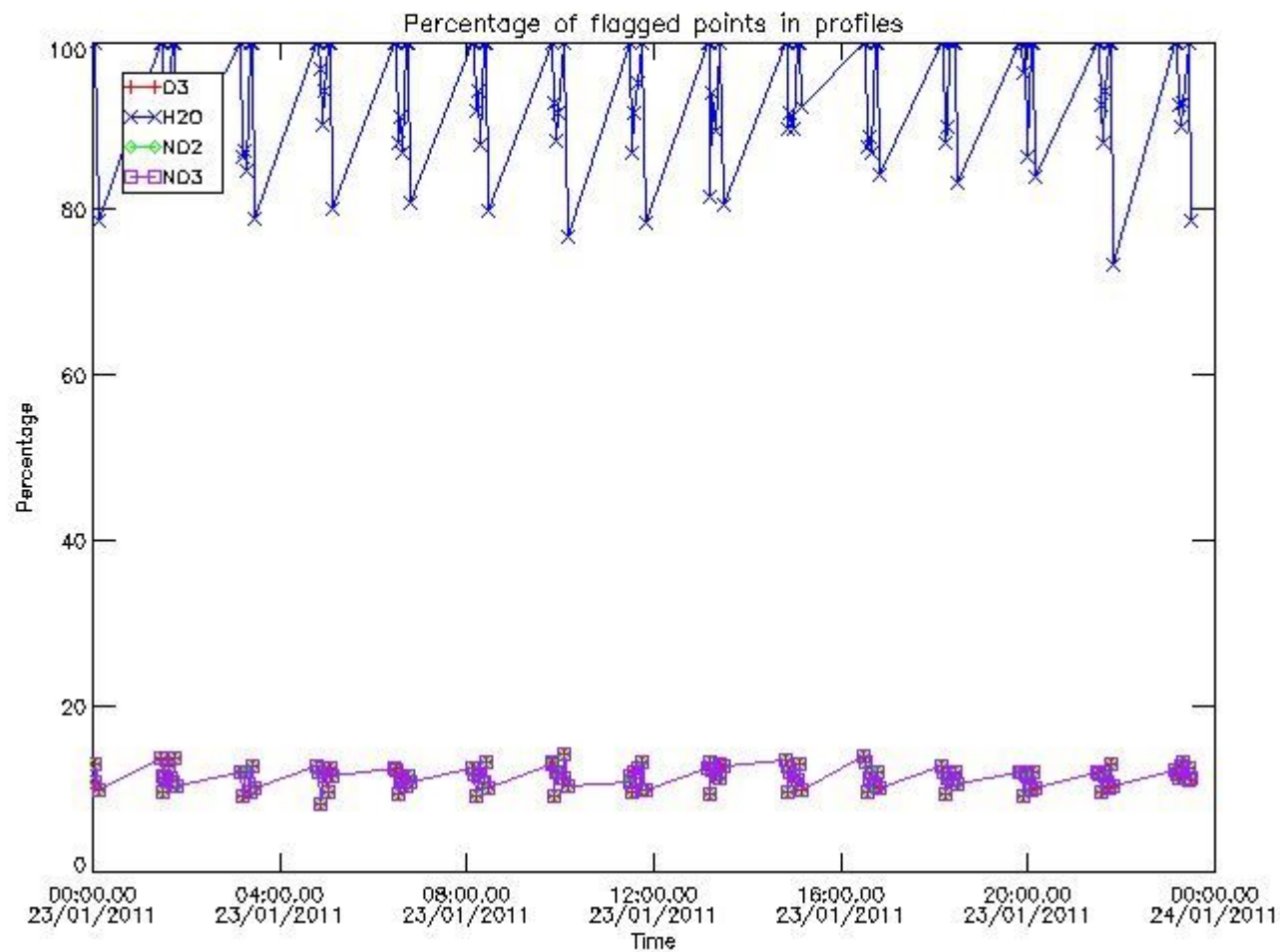
220	GOM_NL__2PRFIN20110123_174902_000000683098_00400_46535_1429.N1	23-JAN-2011 17:49:02	Bright	68.000	67	5Alp CrB	2.2210	11000.	136	46535	No
221	GOM_NL__2PRFIN20110123_175605_000000593098_00400_46535_1430.N1	23-JAN-2011 17:56:05	Bright	58.500	102	24Alp Ser	2.6000	4250.0	117	46535	No
222	GOM_NL__2PRFIN20110123_175916_000000433098_00400_46535_1431.N1	23-JAN-2011 17:59:16	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46535	No
223	GOM_NL__2PRFIN20110123_180345_000000463098_00400_46535_1432.N1	23-JAN-2011 18:03:45	Twilight	46.000	16	21Alp Sco	1.0200	3000.0	92	46535	No
224	GOM_NL__2PRFIN20110123_180916_000000403098_00400_46535_1433.N1	23-JAN-2011 18:09:16	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46535	No
225	GOM_NL__2PRFIN20110123_181116_000000423098_00400_46535_1434.N1	23-JAN-2011 18:11:16	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46535	No
226	GOM_NL__2PRFIN20110123_181321_000000543098_00401_46536_1443.N1	23-JAN-2011 18:13:21	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46536	No
227	GOM_NL__2PRFIN20110123_181556_000000453098_00401_46536_1444.N1	23-JAN-2011 18:15:56	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46536	No
228	GOM_NL__2PRFIN20110123_181923_000000443098_00401_46536_1445.N1	23-JAN-2011 18:19:23	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	46536	No
229	GOM_NL__2PRFIN20110123_182454_000000513098_00401_46536_1446.N1	23-JAN-2011 18:24:54	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46536	No
230	GOM_NL__2PRFIN20110123_182628_000000433098_00401_46536_1447.N1	23-JAN-2011 18:26:28	Dark	42.500	91	Kap Vel	2.4900	26000.	85	46536	No
231	GOM_NL__2PRFIN20110123_182947_000000573098_00401_46536_1448.N1	23-JAN-2011 18:29:47	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	46536	No
232	GOM_NL__2PRFIN20110123_183636_000000463098_00401_46536_1449.N1	23-JAN-2011 18:36:36	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46536	No
233	GOM_NL__2PRFIN20110123_184546_000000503098_00401_46536_1450.N1	23-JAN-2011 18:45:46	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	46536	No
234	GOM_NL__2PRFIN20110123_185247_000000443098_00401_46536_1451.N1	23-JAN-2011 18:52:47	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46536	No
235	GOM_NL__2PRFIN20110123_190828_000000483098_00401_46536_1452.N1	23-JAN-2011 19:08:28	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46536	No
236	GOM_NL__2PRFIN20110123_191303_000000363098_00401_46536_1453.N1	23-JAN-2011 19:13:03	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46536	No
237	GOM_NL__2PRFIN20110123_191735_000000393098_00401_46536_1454.N1	23-JAN-2011 19:17:35	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46536	No
238	GOM_NL__2PRFIN20110123_192651_000000523098_00401_46536_1455.N1	23-JAN-2011 19:26:51	Bright	51.500	133	40Zet Her	2.8070	6000.0	103	46536	No
239	GOM_NL__2PRFIN20110123_192916_000000603098_00401_46536_1456.N1	23-JAN-2011 19:29:16	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	46536	No
240	GOM_NL__2PRFIN20110123_193620_000000573098_00401_46536_1457.N1	23-JAN-2011 19:36:20	Bright	57.000	102	24Alp Ser	2.6000	4250.0	114	46536	No
241	GOM_NL__2PRFIN20110123_193930_000000473098_00401_46536_1458.N1	23-JAN-2011 19:39:30	Twilight	46.500	98	13Zet Oph	2.5710	30000.	93	46536	No
242	GOM_NL__2PRFIN20110123_194359_000000523098_00401_46536_1459.N1	23-JAN-2011 19:43:59	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	46536	No
243	GOM_NL__2PRFIN20110123_194931_000000423098_00401_46536_1460.N1	23-JAN-2011 19:49:31	Dark	42.000	131	Gam Lup	2.8000	26000.	84	46536	No
244	GOM_NL__2PRFIN20110123_195131_000000433098_00401_46536_1461.N1	23-JAN-2011 19:51:31	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46536	No
245	GOM_NL__2PRFIN20110123_195336_000000563098_00402_46537_1471.N1	23-JAN-2011 19:53:36	Dark	55.500	54	5The Cen	2.0550	4500.0	111	46537	No
246	GOM_NL__2PRFIN20110123_195611_000000433098_00402_46537_1472.N1	23-JAN-2011 19:56:11	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46537	No
247	GOM_NL__2PRFIN20110123_195937_000000443098_00402_46537_1473.N1	23-JAN-2011 19:59:37	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46537	No
248	GOM_NL__2PRFIN20110123_200509_000000513098_00402_46537_1474.N1	23-JAN-2011 20:05:09	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	46537	No
249	GOM_NL__2PRFIN20110123_200643_000000423098_00402_46537_1475.N1	23-JAN-2011 20:06:43	Dark	42.000	91	Kap Vel	2.4900	26000.	84	46537	No
250	GOM_NL__2PRFIN20110123_201002_000000503098_00402_46537_1476.N1	23-JAN-2011 20:10:02	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46537	No
251	GOM_NL__2PRFIN20110123_201651_000000453098_00402_46537_1477.N1	23-JAN-2011 20:16:51	Straylight	45.000	132	15Rho Pup	2.8030	6900.0	90	46537	No
252	GOM_NL__2PRFIN20110123_202600_000000563098_00402_46537_1478.N1	23-JAN-2011 20:26:00	Twilight	55.500	8	10Alp CMi	0.40000	6500.0	111	46537	No
253	GOM_NL__2PRFIN20110123_203300_000000453098_00402_46537_1479.N1	23-JAN-2011 20:33:00	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46537	No
254	GOM_NL__2PRFIN20110123_204842_000000483098_00402_46537_1480.N1	23-JAN-2011 20:48:42	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46537	No
255	GOM_NL__2PRFIN20110123_205317_000000393098_00402_46537_1481.N1	23-JAN-2011 20:53:17	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46537	No
256	GOM_NL__2PRFIN20110123_205749_000000563098_00402_46537_1482.N1	23-JAN-2011 20:57:49	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	46537	No
257	GOM_NL__2PRFIN20110123_210041_000000443098_00402_46537_1483.N1	23-JAN-2011 21:00:41	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	46537	No
258	GOM_NL__2PRFIN20110123_210705_000000393098_00402_46537_1484.N1	23-JAN-2011 21:07:05	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	46537	No
259	GOM_NL__2PRFIN20110123_210931_000000603098_00402_46537_1485.N1	23-JAN-2011 21:09:31	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	46537	No
260	GOM_NL__2PRFIN20110123_211634_000000613098_00402_46537_1486.N1	23-JAN-2011 21:16:34	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	46537	No
261	GOM_NL__2PRFIN20110123_211945_000000463098_00402_46537_1487.N1	23-JAN-2011 21:19:45	Twilight	45.500	98	13Zet Oph	2.5710	30000.	91	46537	No
262	GOM_NL__2PRFIN20110123_212414_000000563098_00402_46537_1488.N1	23-JAN-2011 21:24:14	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46537	No
263	GOM_NL__2PRFIN20110123_212946_000000433098_00402_46537_1489.N1	23-JAN-2011 21:29:46	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46537	No
264	GOM_NL__2PRFIN20110123_213146_000000443098_00402_46537_1490.N1	23-JAN-2011 21:31:46	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46537	No
265	GOM_NL__2PRFIN20110123_213351_000000543098_00403_46538_1501.N1	23-JAN-2011 21:33:51	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46538	No
266	GOM_NL__2PRFIN20110123_213625_000000423098_00403_46538_1502.N1	23-JAN-2011 21:36:25	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46538	No
267	GOM_NL__2PRFIN20110123_213952_000000443098_00403_46538_1503.N1	23-JAN-2011 21:39:52	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46538	No
268	GOM_NL__2PRFIN20110123_214523_000000513098_00403_46538_1504.N1	23-JAN-2011 21:45:23	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46538	No
269	GOM_NL__2PRFIN20110123_214657_000000393098_00403_46538_1505.N1	23-JAN-2011 21:46:57	Dark	39.000	91	Kap Vel	2.4900	26000.	78	46538	No
270	GOM_NL__2PRFIN20110123_215016_000000493098_00403_46538_1506.N1	23-JAN-2011 21:50:16	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	46538	No
271	GOM_NL__2PRFIN20110123_215705_000000453098_00403_46538_1507.N1	23-JAN-2011 21:57:05	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46538	No
272	GOM_NL__2PRFIN20110123_220614_000000573098_00403_46538_1508.N1	23-JAN-2011 22:06:14	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	46538	No
273	GOM_NL__2PRFIN20110123_221314_000000453098_00403_46538_1509.N1	23-JAN-2011 22:13:14	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46538	No
274	GOM_NL__2PRFIN20110123_222855_000000473098_00403_46538_1510.N1	23-JAN-2011 22:28:55	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46538	No
275	GOM_NL__2PRFIN20110123_223331_000000363098_00403_46538_1511.N1	23-JAN-2011 22:33:31	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46538	No
276	GOM_NL__2PRFIN20110123_223803_000000393098_00403_46538_1512.N1	23-JAN-2011 22:38:03	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46538	No
277	GOM_NL__2PRFIN20110123_224055_000000343098_00403_46538_1513.N1	23-JAN-2011 22:40:55	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	46538	No
278	GOM_NL__2PRFIN20110123_224720_000000583098_00403_46538_1514.N1	23-JAN-2011 22:47:20	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	46538	No

279	GOM_NL__2PRFIN20110123_224945_000000523098_00403_46538_1515.N1	23-JAN-2011 22:49:45	Bright	52.000	67	5Alp CrB	2.2210	11000.	104	46538	No
280	GOM_NL__2PRFIN20110123_225649_000000583098_00403_46538_1516.N1	23-JAN-2011 22:56:49	Bright	58.000	102	24Alp Ser	2.6000	4250.0	116	46538	No
281	GOM_NL__2PRFIN20110123_225959_000000433098_00403_46538_1517.N1	23-JAN-2011 22:59:59	Twilight	42.500	98	13Zet Oph	2.5710	30000.	85	46538	No
282	GOM_NL__2PRFIN20110123_230429_000000553098_00403_46538_1518.N1	23-JAN-2011 23:04:29	Twilight	54.500	16	21Alp Sco	1.0200	3000.0	109	46538	No
283	GOM_NL__2PRFIN20110123_231000_000000423098_00403_46538_1519.N1	23-JAN-2011 23:10:00	Dark	41.500	131	Gam Lup	2.8000	26000.	83	46538	No
284	GOM_NL__2PRFIN20110123_231200_000000433098_00403_46538_1520.N1	23-JAN-2011 23:12:00	Dark	43.000	109	Bet Lup	2.6770	26000.	86	46538	No
285	GOM_NL__2PRFIN20110123_231406_000000543098_00404_46539_1513.N1	23-JAN-2011 23:14:06	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46539	No
286	GOM_NL__2PRFIN20110123_231640_000000403098_00404_46539_1514.N1	23-JAN-2011 23:16:40	Dark	40.000	10	Bet Cen	0.61000	28000.	80	46539	No
287	GOM_NL__2PRFIN20110123_232006_000000433098_00404_46539_1515.N1	23-JAN-2011 23:20:06	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46539	No
288	GOM_NL__2PRFIN20110123_232538_000000463098_00404_46539_1516.N1	23-JAN-2011 23:25:38	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46539	No
289	GOM_NL__2PRFIN20110123_232711_000000413098_00404_46539_1517.N1	23-JAN-2011 23:27:11	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46539	No
290	GOM_NL__2PRFIN20110123_233030_000000453098_00404_46539_1518.N1	23-JAN-2011 23:30:30	Dark	45.000	65	Lam Vel	2.2040	4400.0	90	46539	No
291	GOM_NL__2PRFIN20110123_233719_000000433098_00404_46539_1519.N1	23-JAN-2011 23:37:19	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	46539	No
292	GOM_NL__2PRFIN20110123_234628_000000503098_00404_46539_1520.N1	23-JAN-2011 23:46:28	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	46539	No
293	GOM_NL__2PRFIN20110123_235328_000000433098_00404_46539_1521.N1	23-JAN-2011 23:53:28	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	46539	No

### 3. Quality information per product

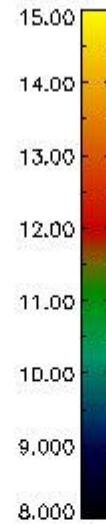
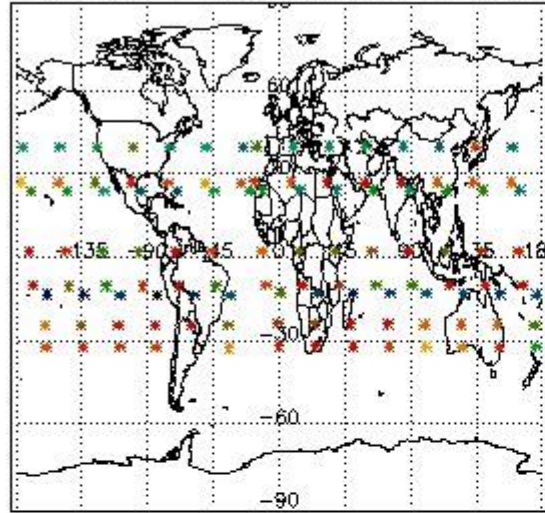
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

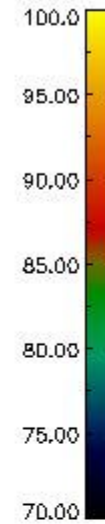
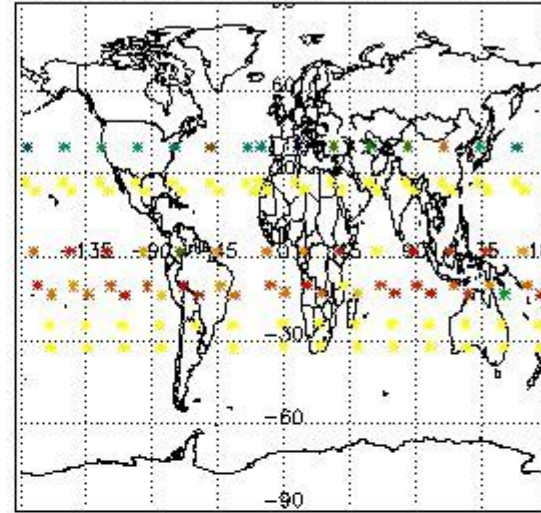


### 3.2 Plot quality information per product (world map)

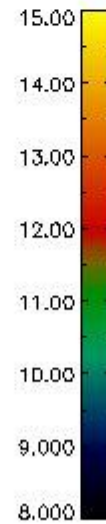
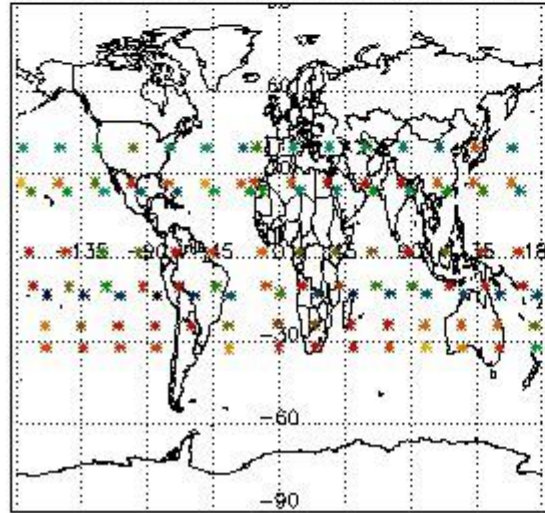
Percentage of flagged data per O3 profile



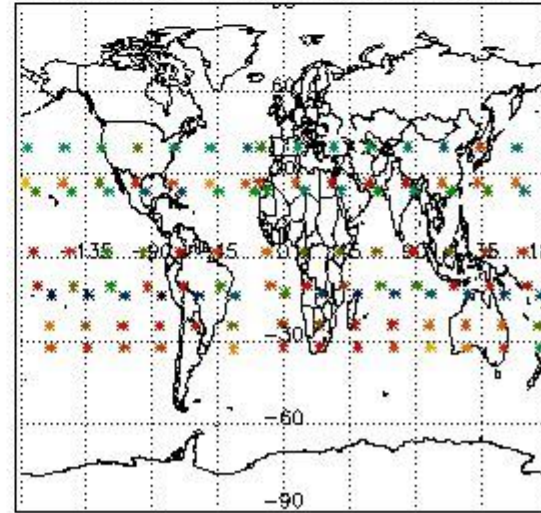
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



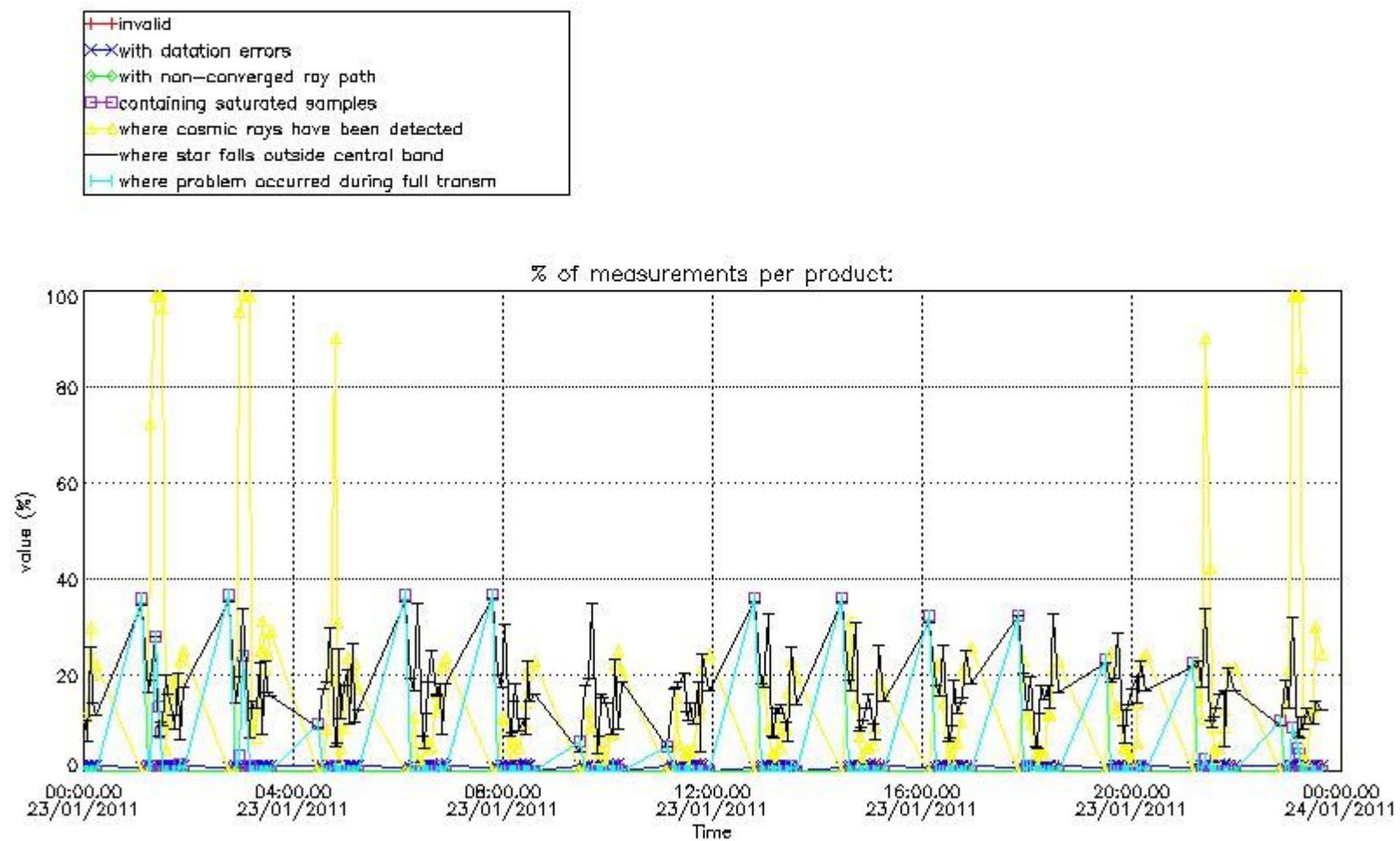
### 4. Level 1 quality information per product

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

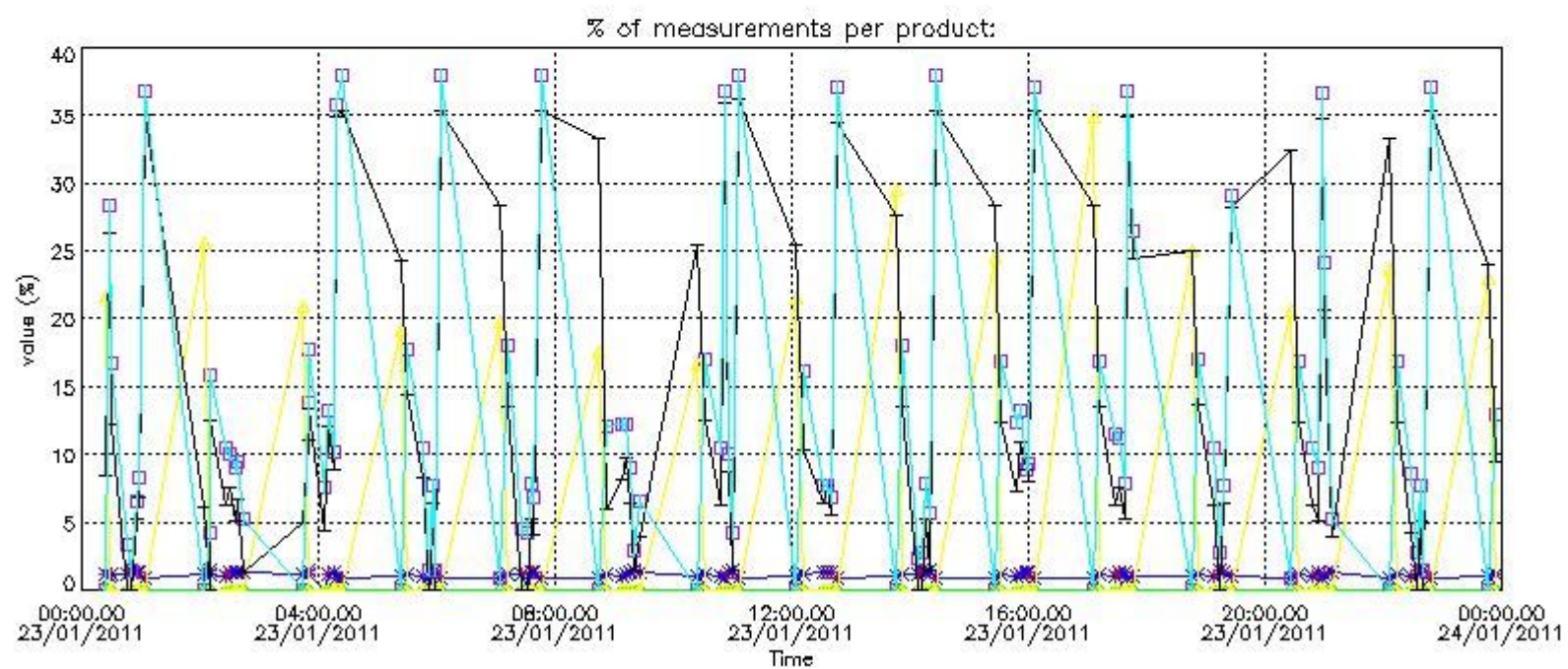
##### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





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

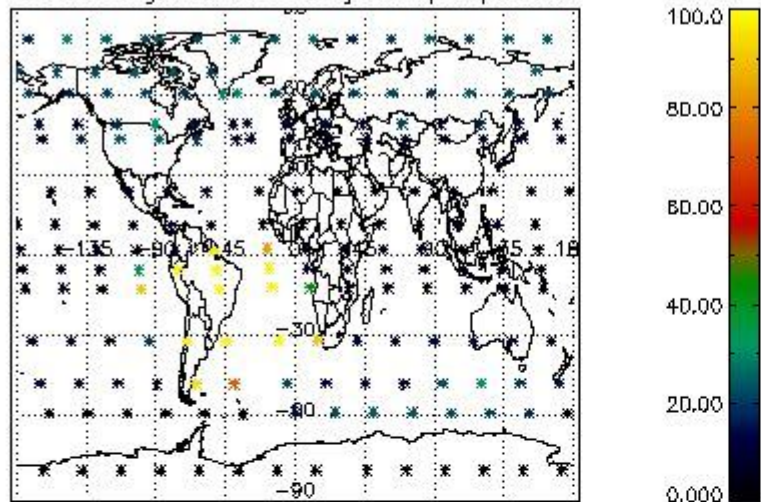




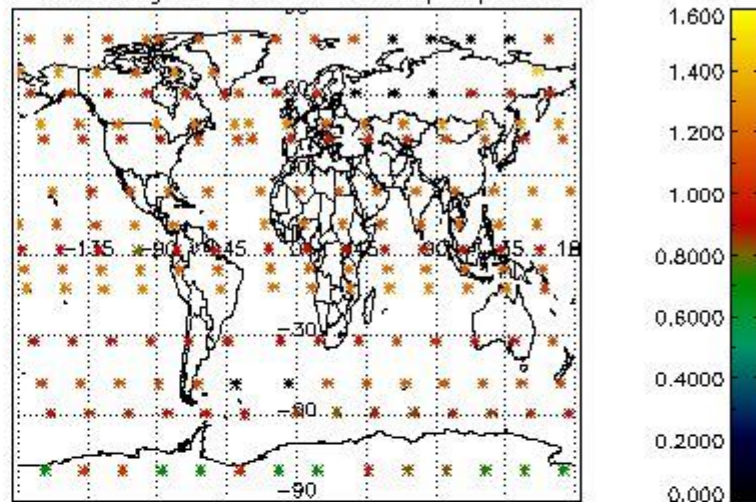
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

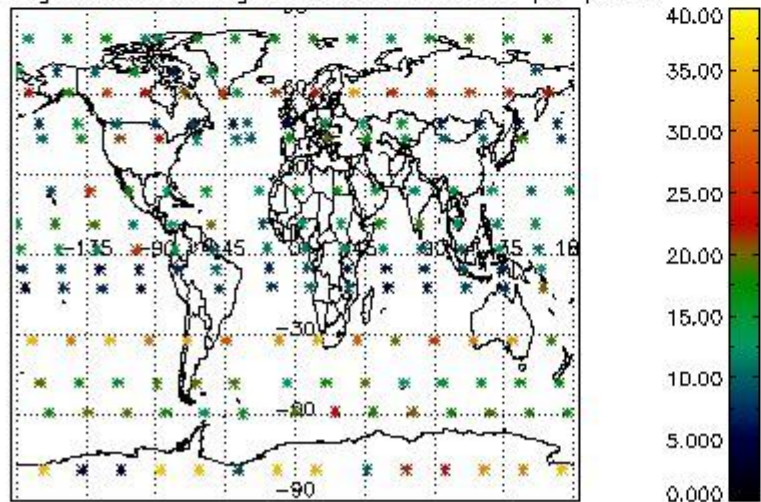
Percentage of cosmic ray hits per profile



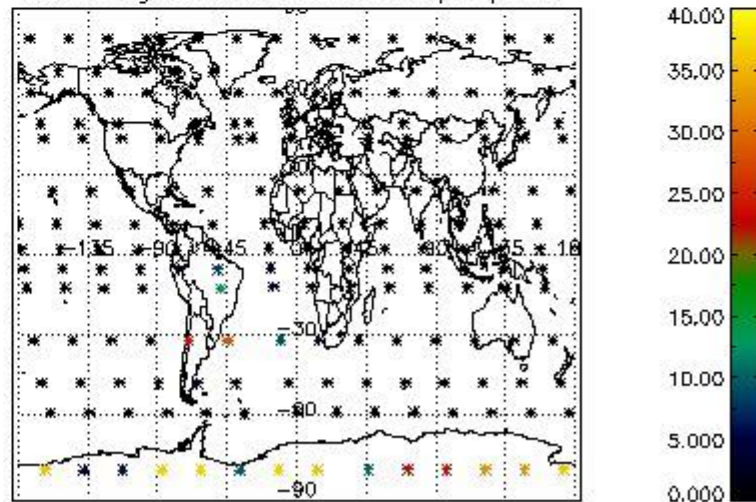
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

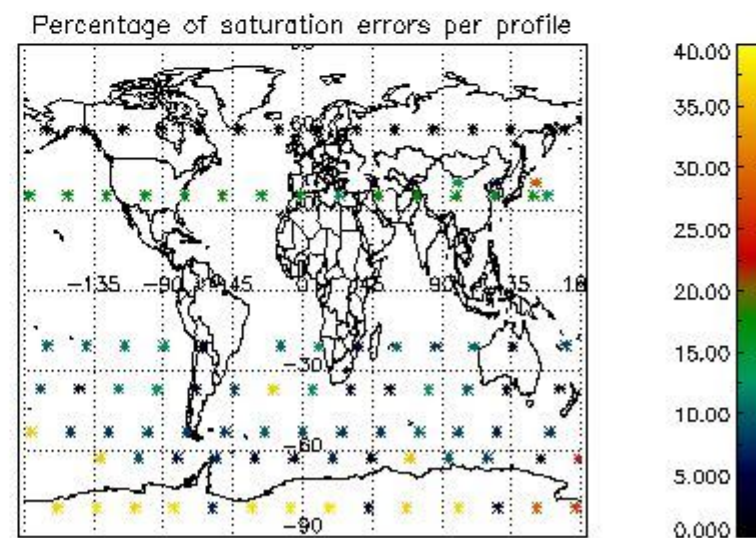
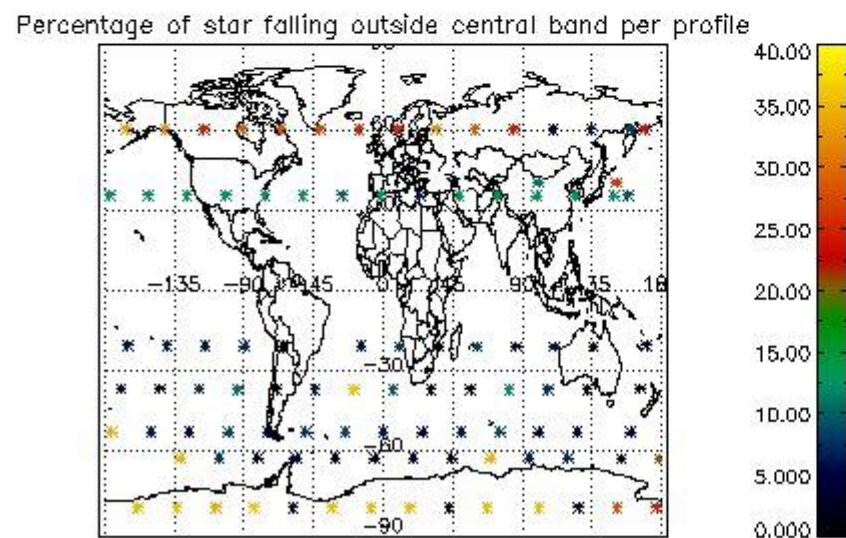
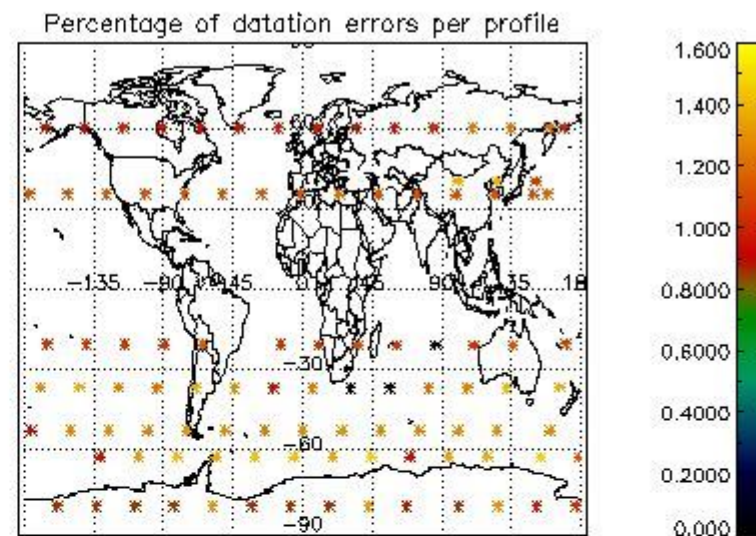
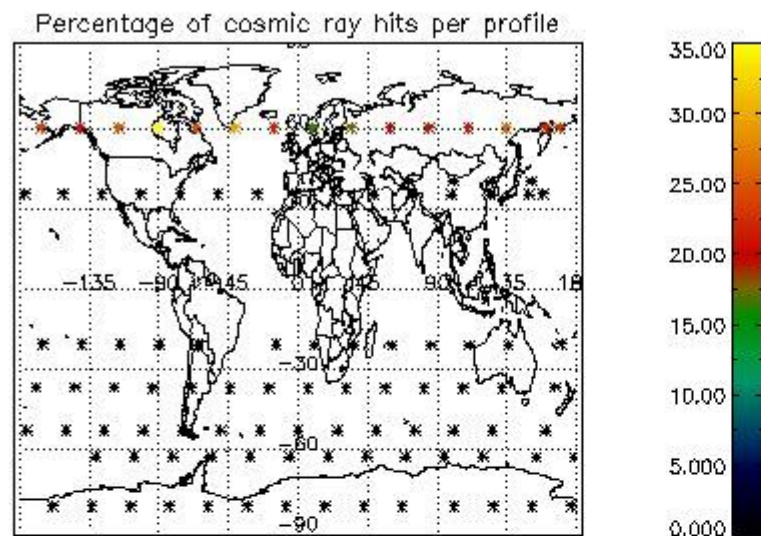


Percentage of saturation errors per profile



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

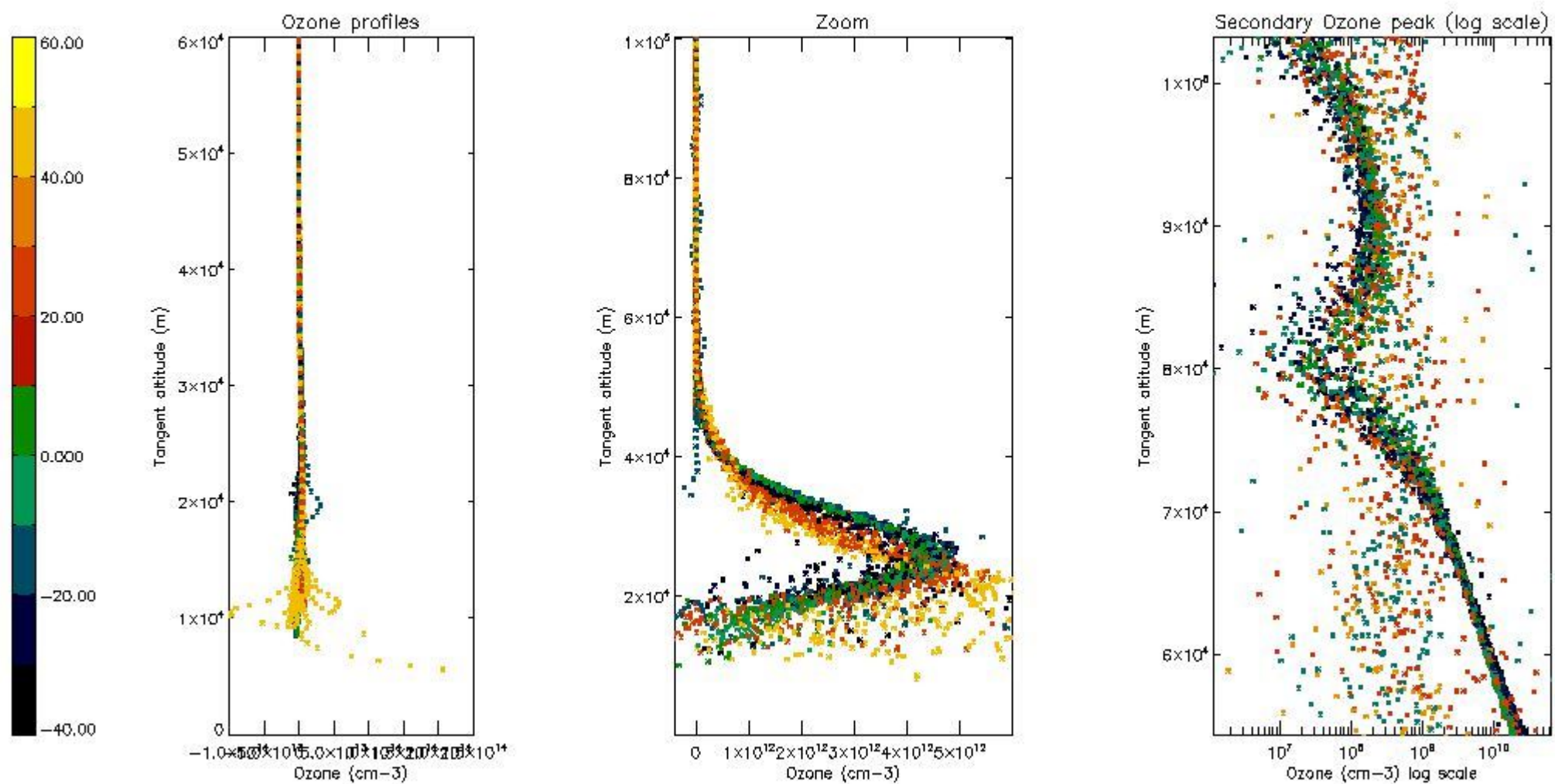
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	39
STD < 20	18

STD < 10	14
STD < 5	9

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

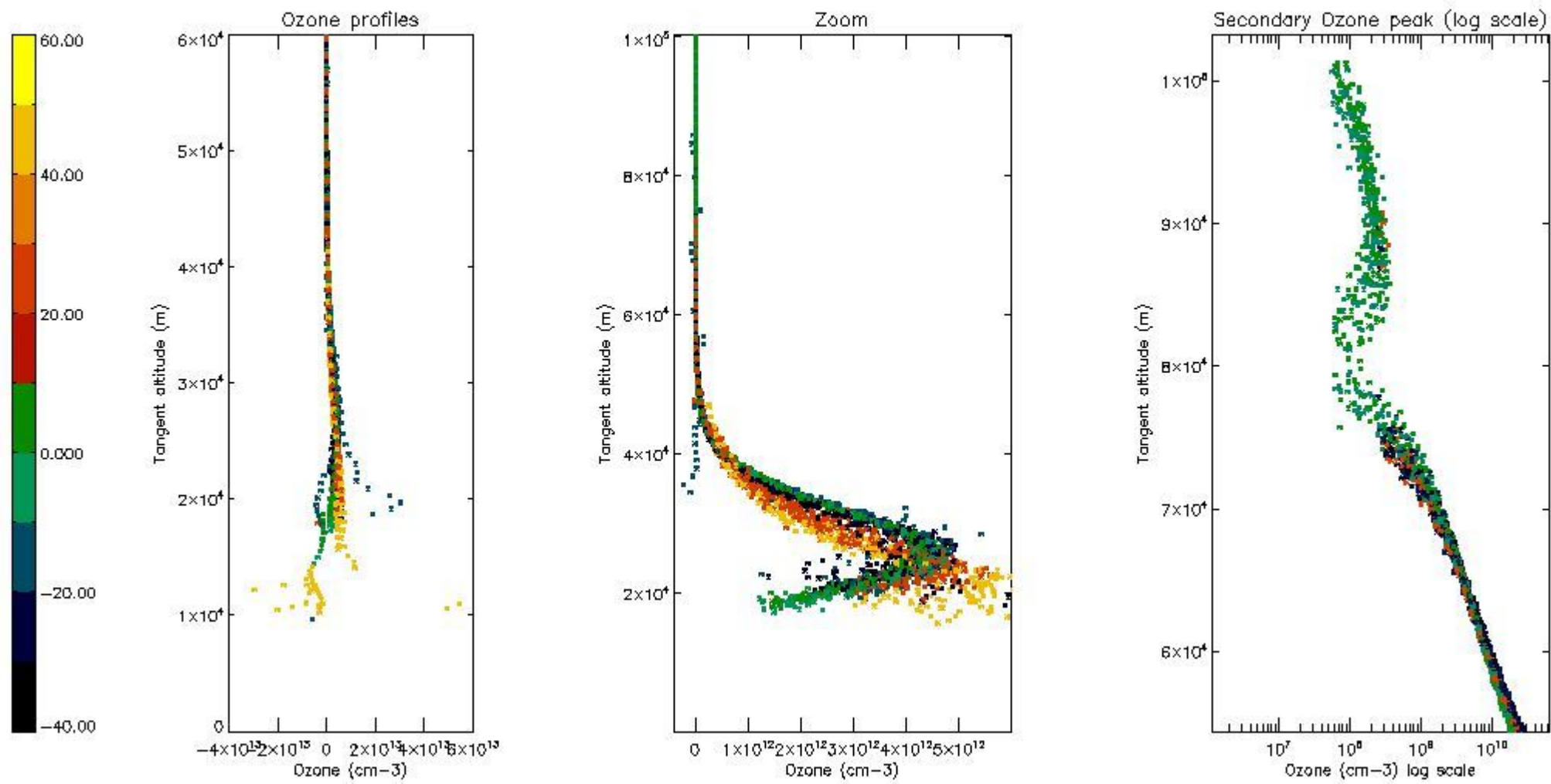
The colorbar represents the latitude.



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

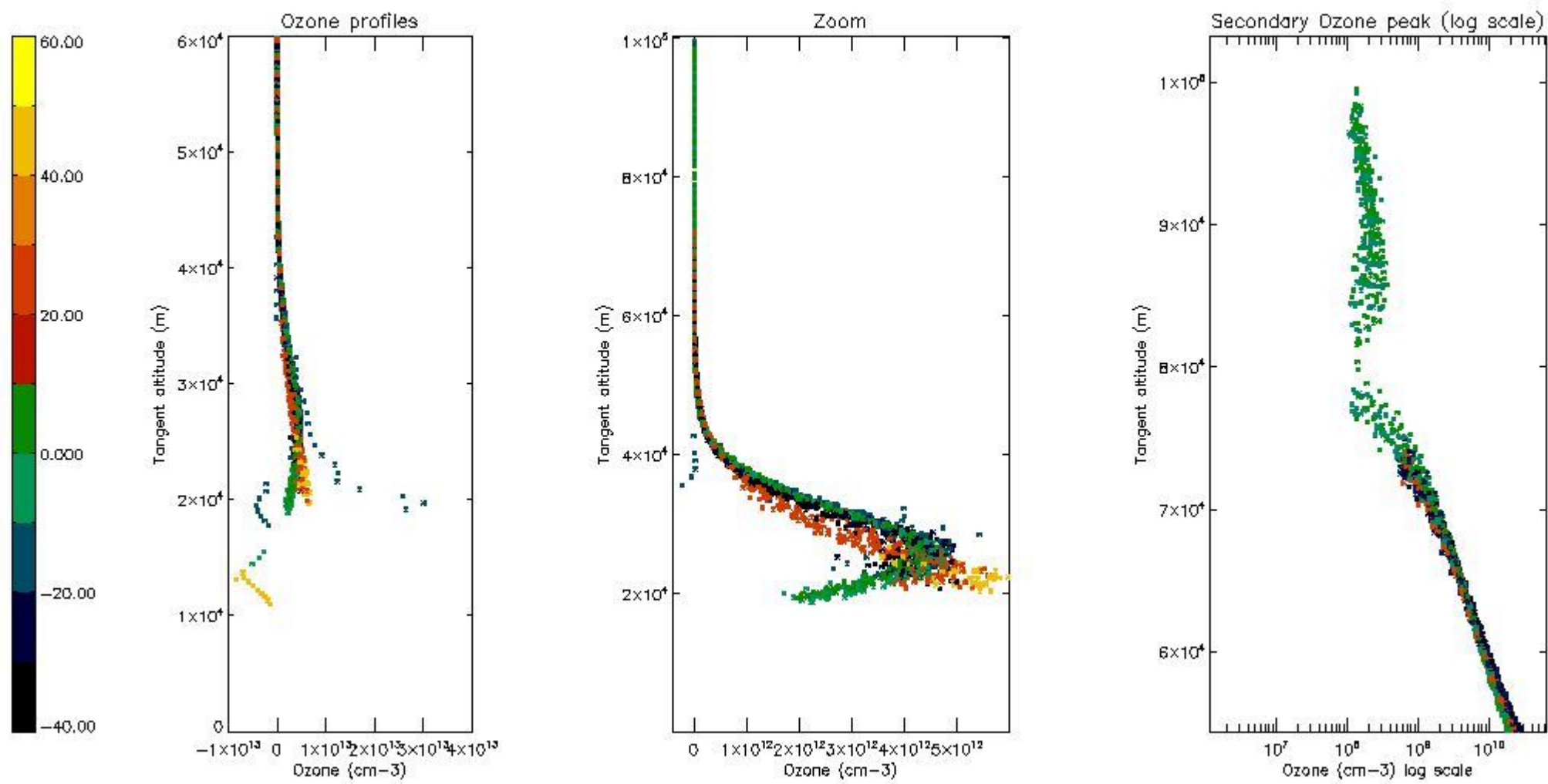
The colorbar represents the latitude.





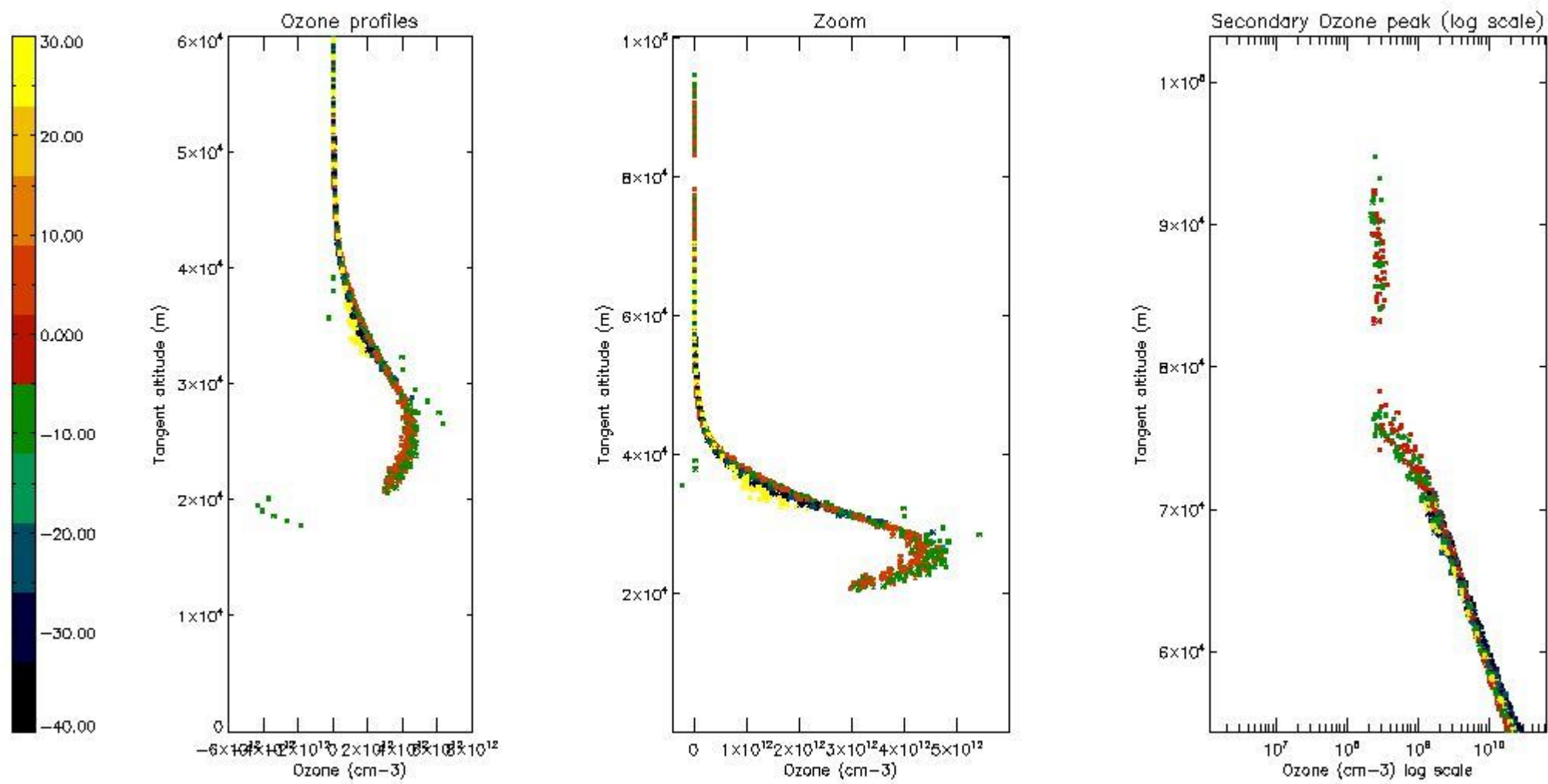
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



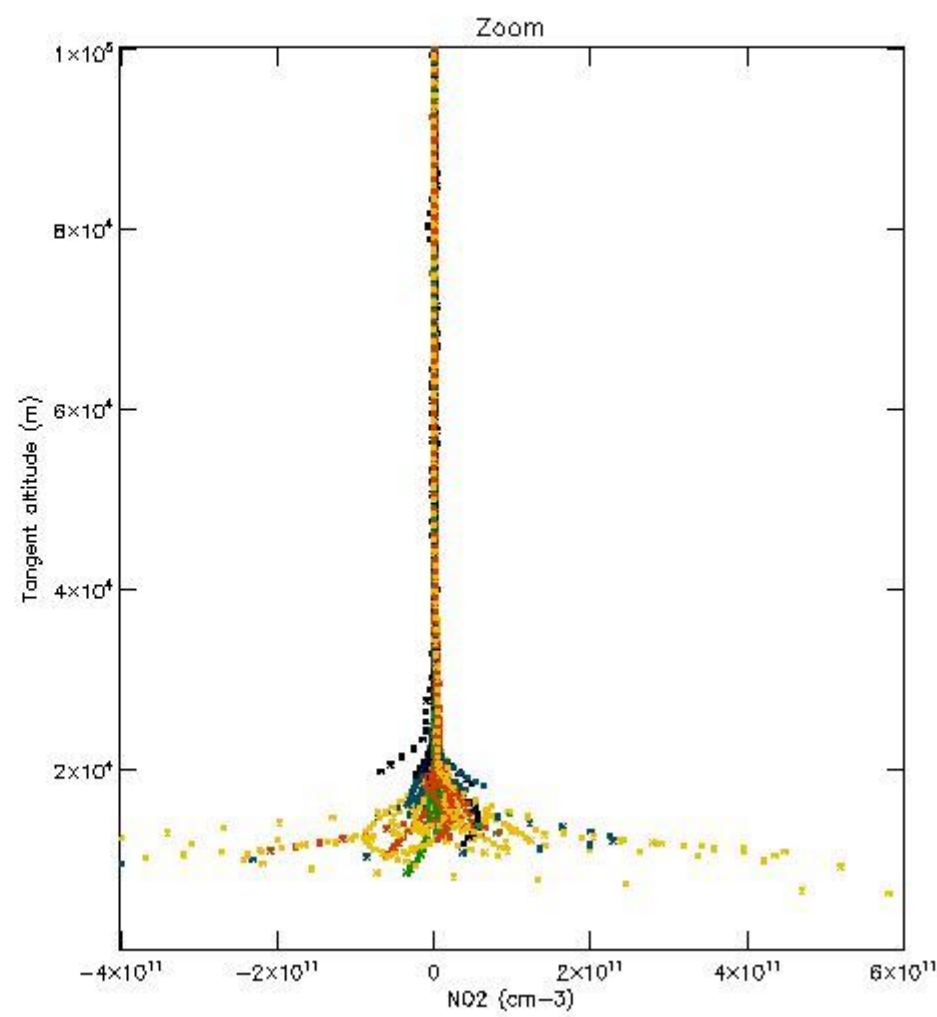
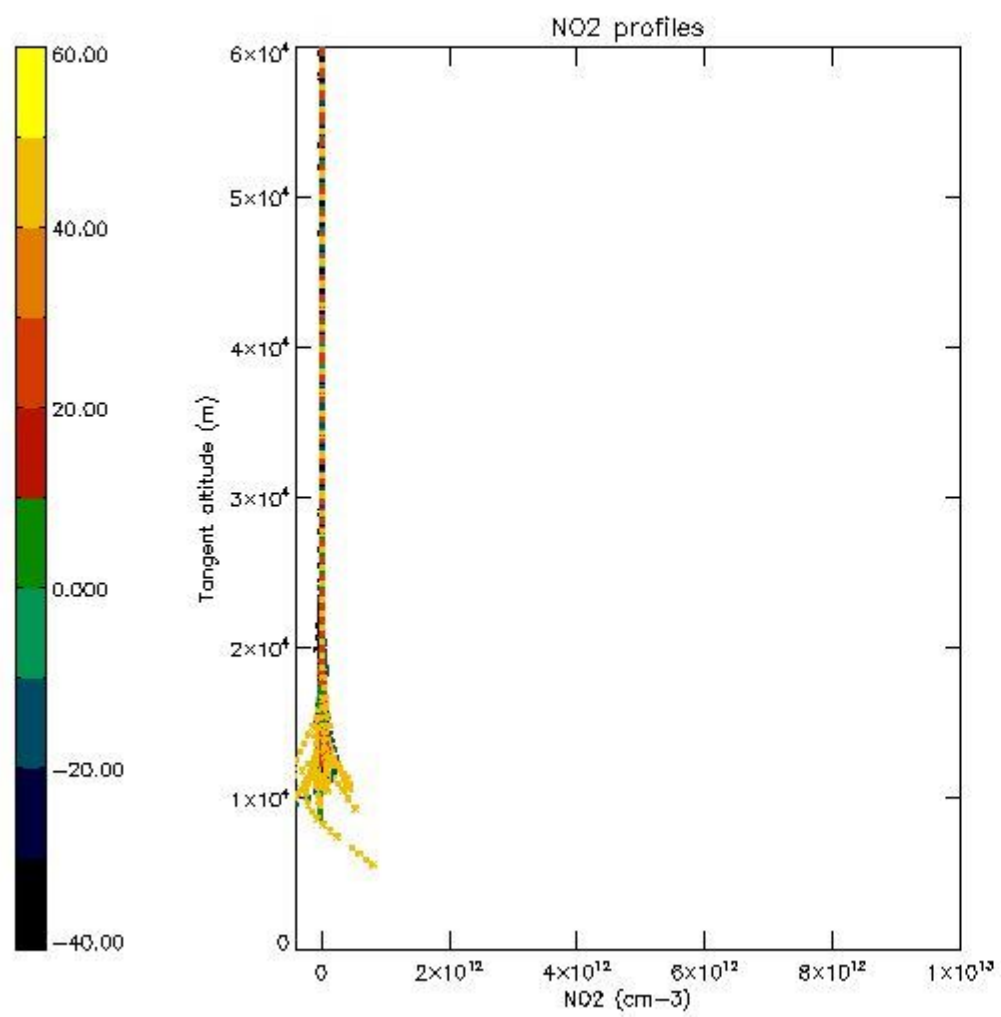
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

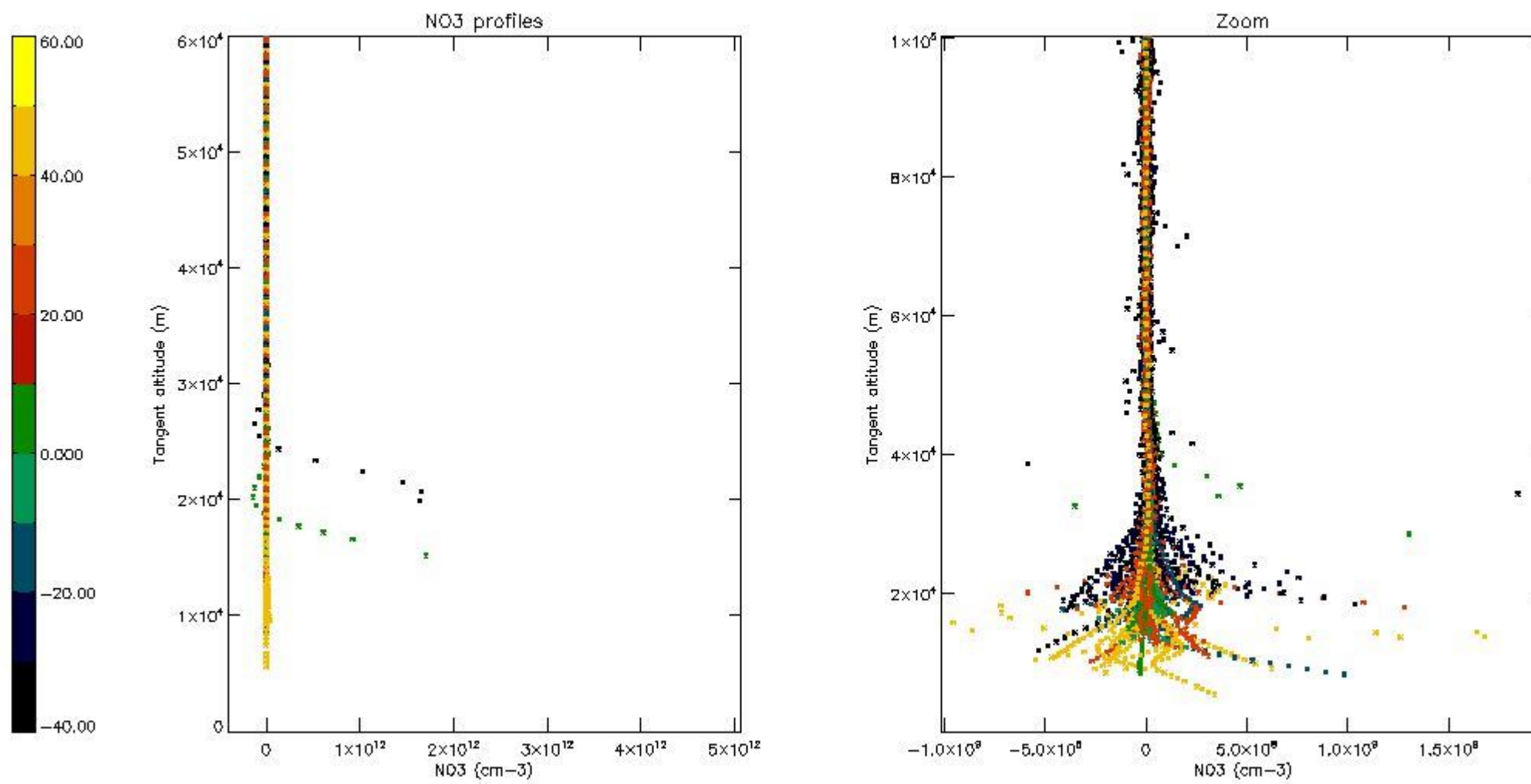
The colorbar represents the latitude.



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

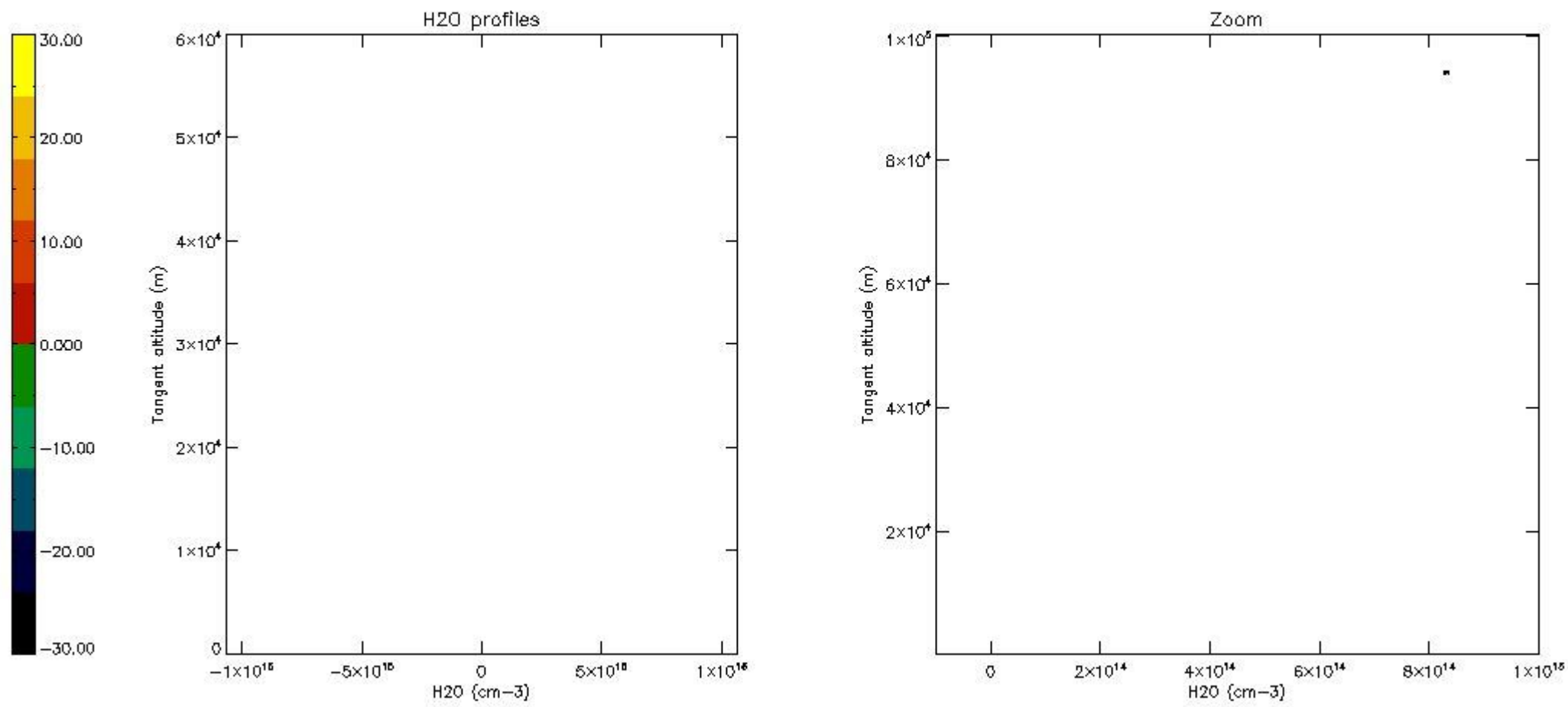
The colorbar represents the latitude.





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

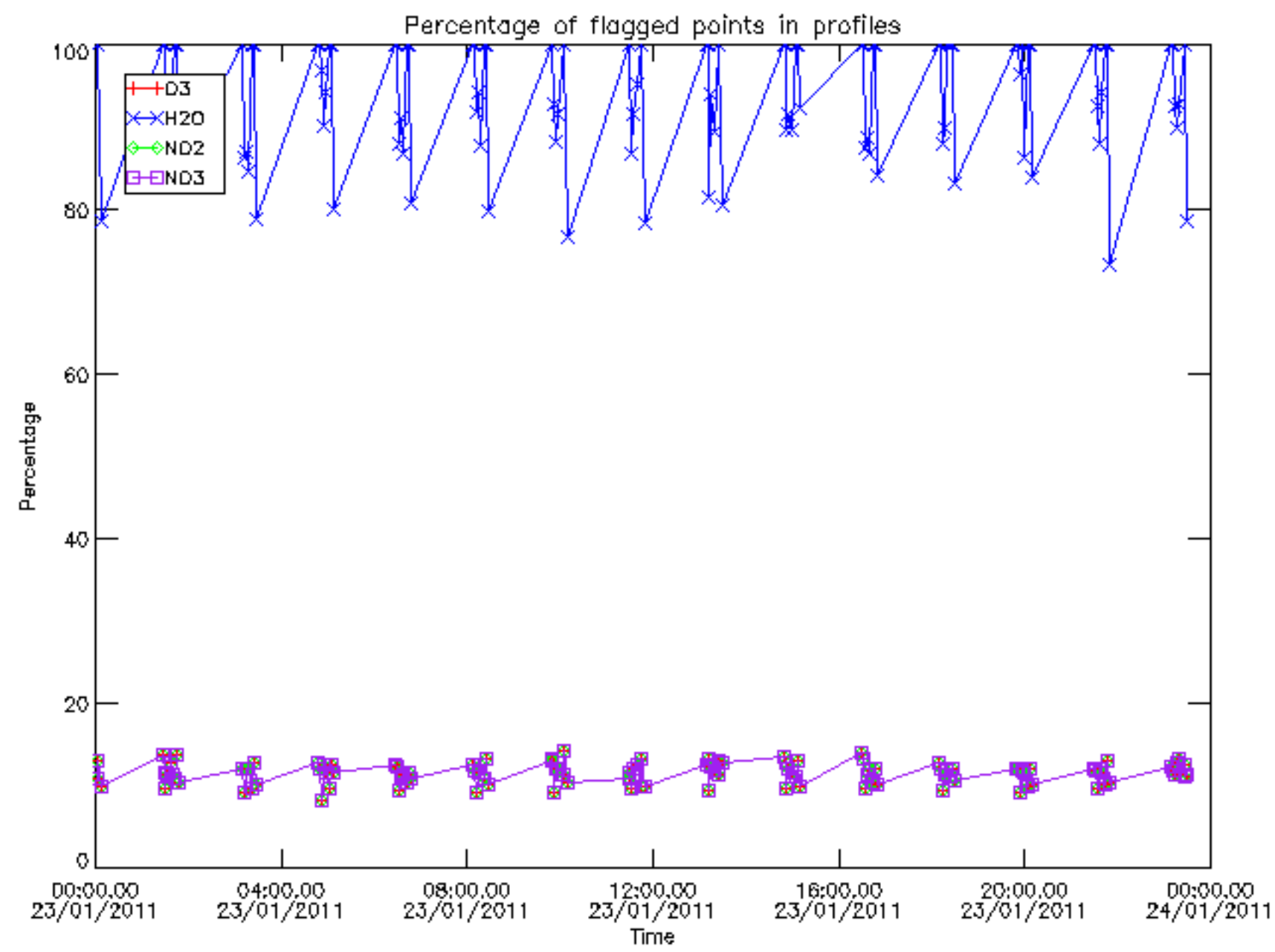
The colorbar represents the latitude.



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

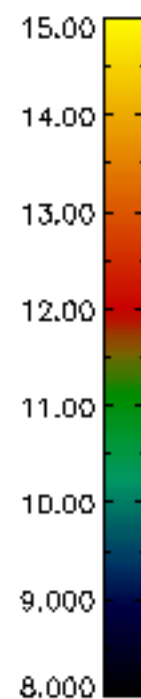
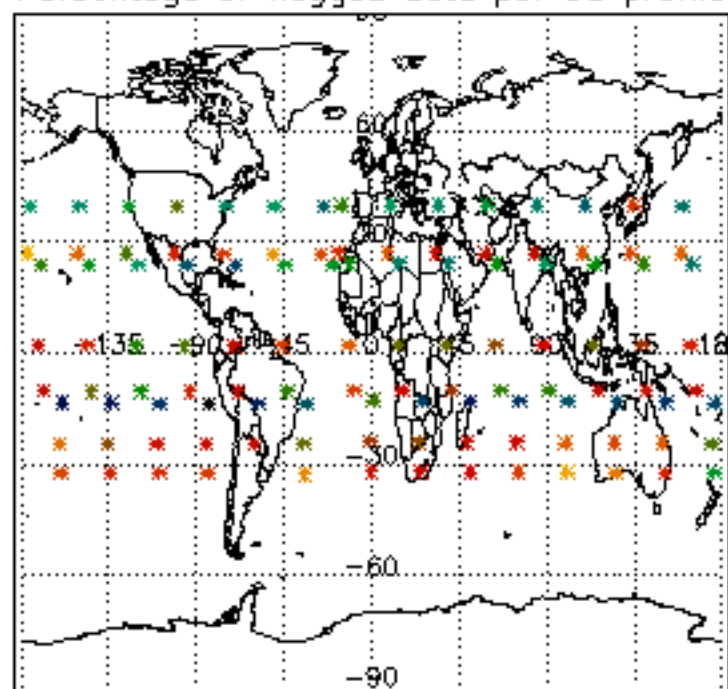
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JAN-2011 00:02:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-JAN-2011 00:02:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-JAN-2011 00:02:12

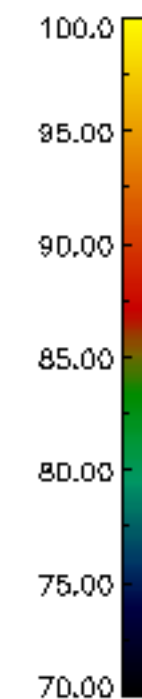
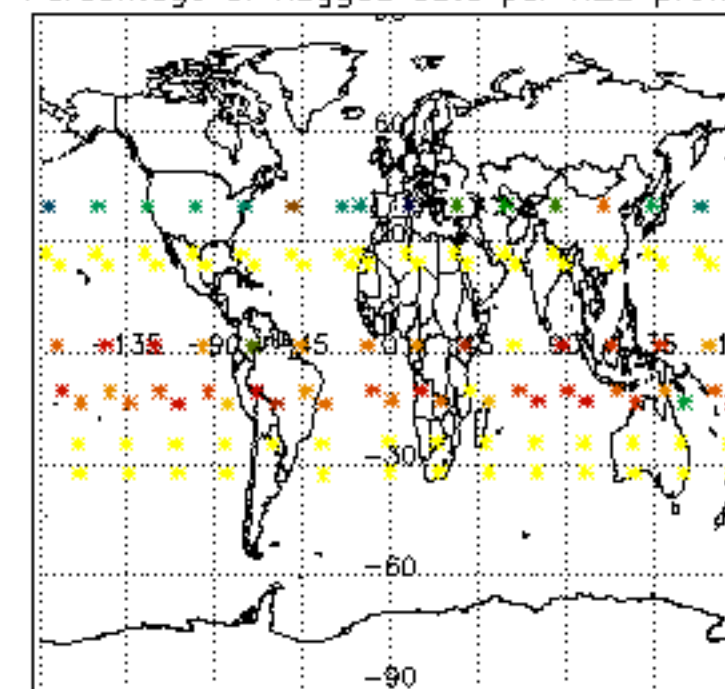




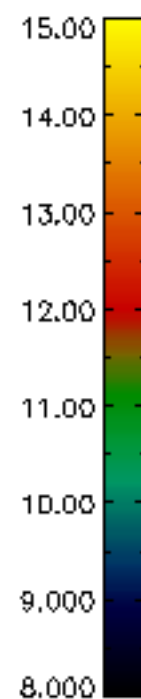
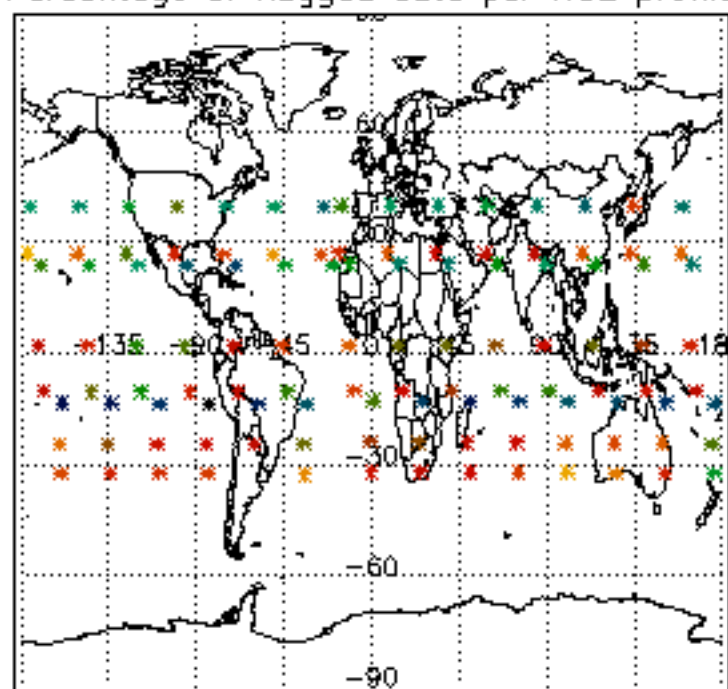
Percentage of flagged data per D3 profile



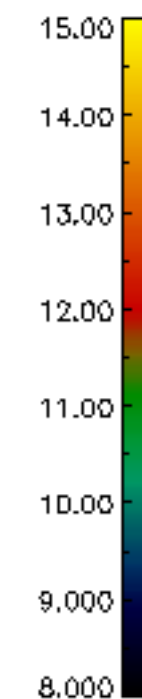
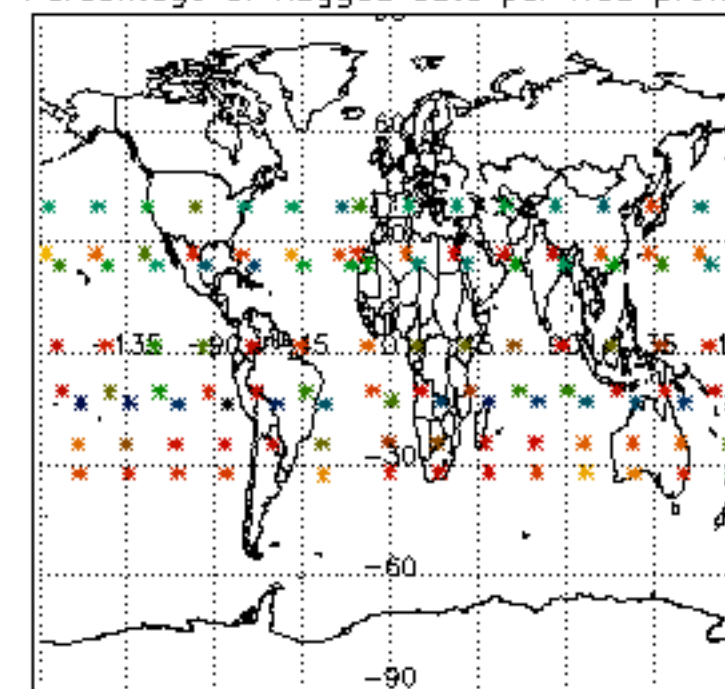
Percentage of flagged data per H2O profile

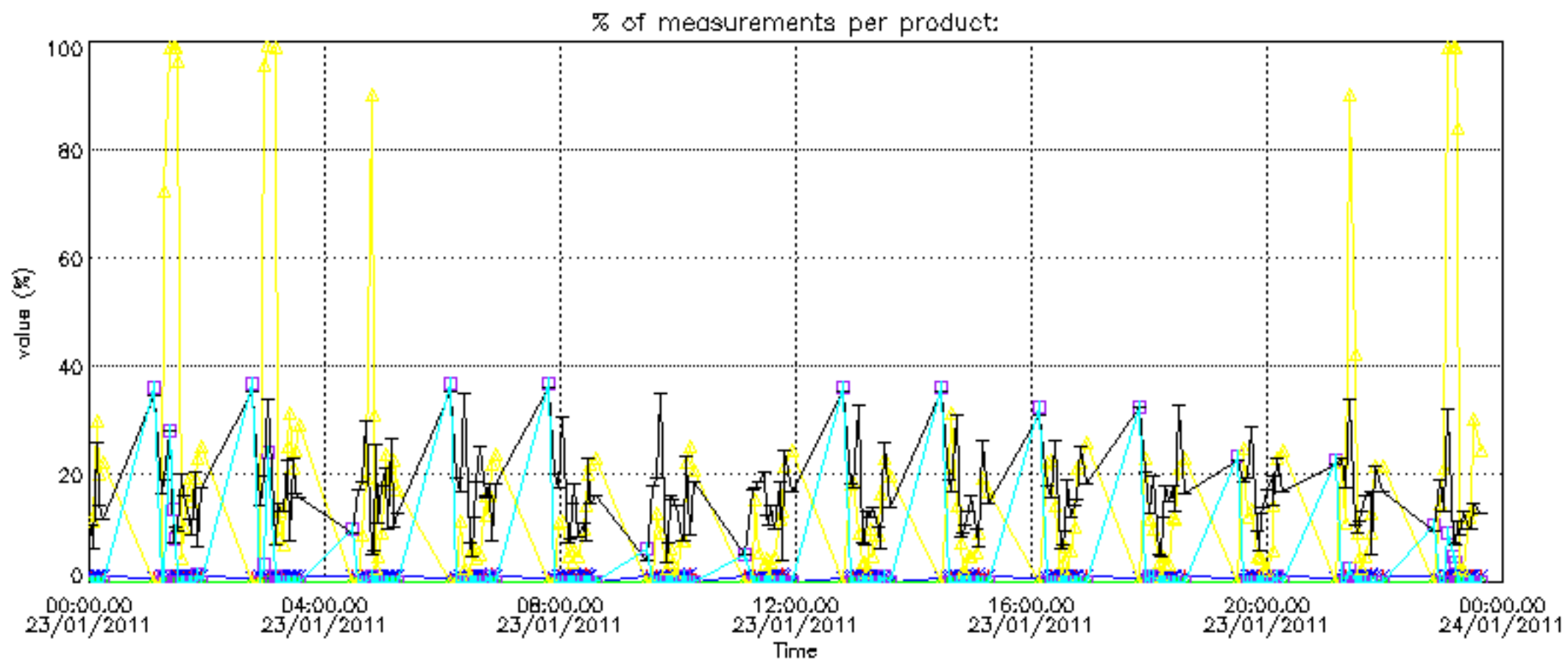


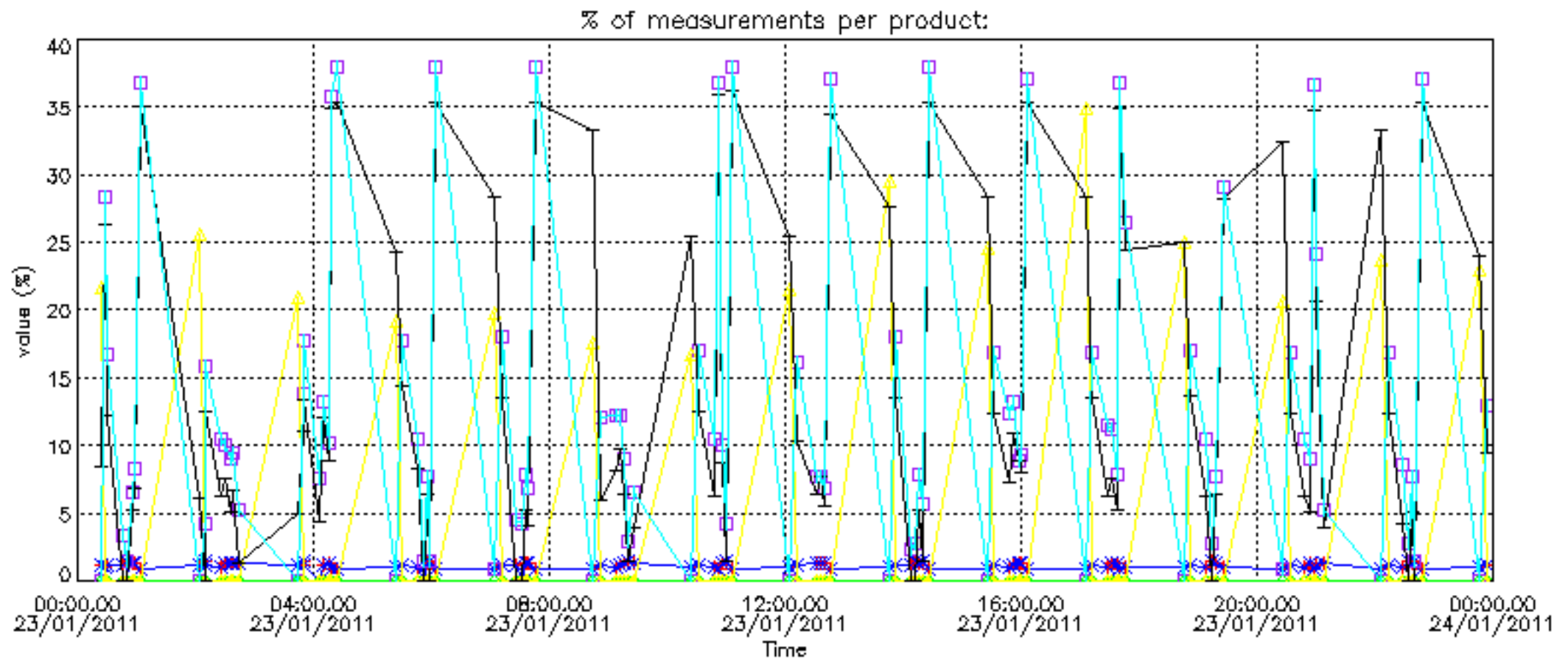
Percentage of flagged data per NO2 profile



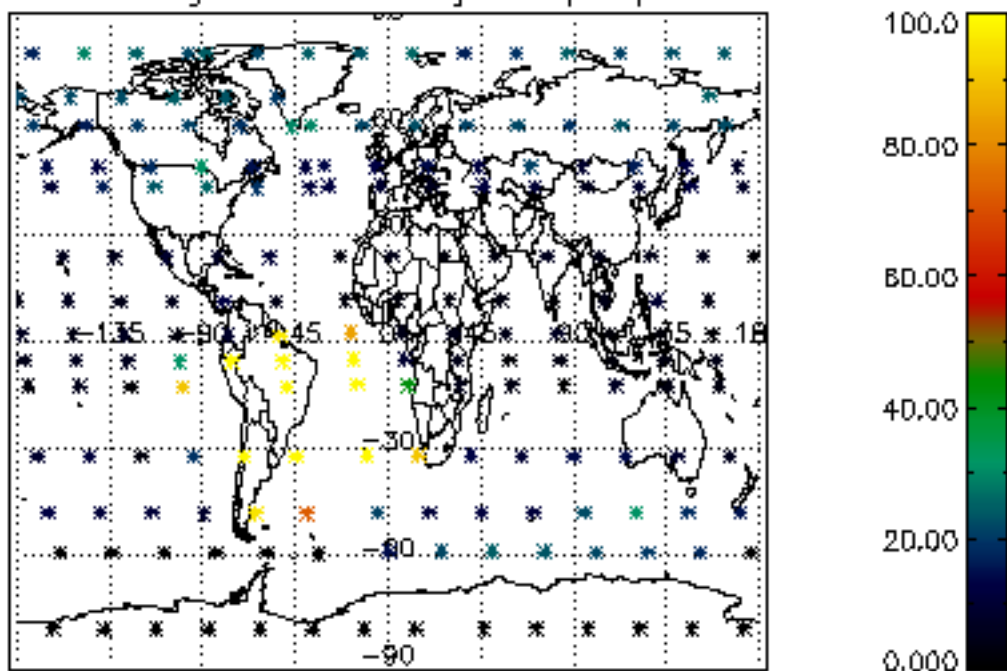
Percentage of flagged data per NO3 profile



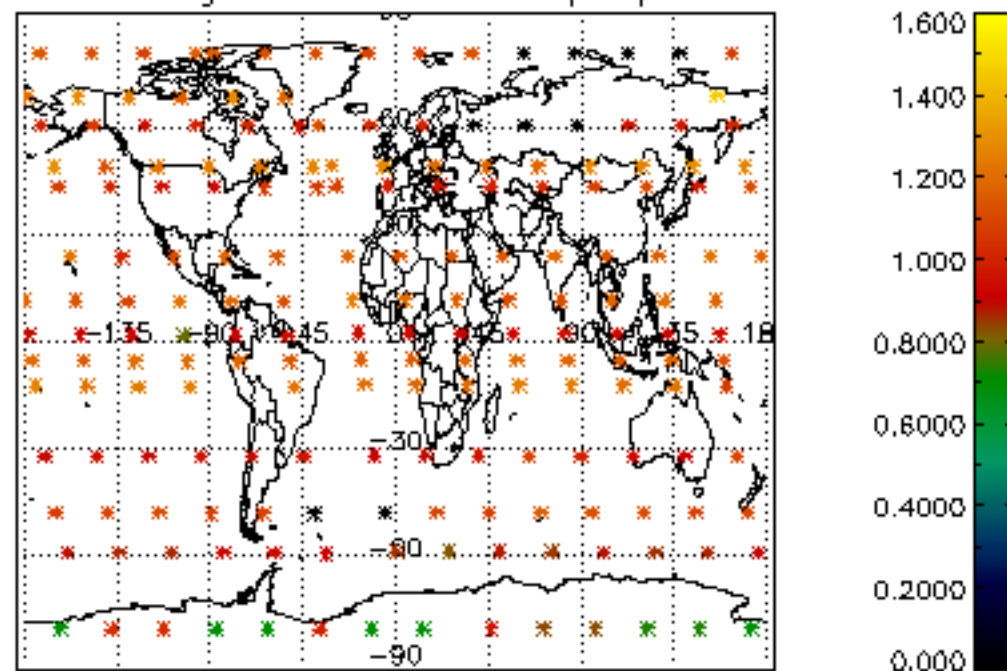




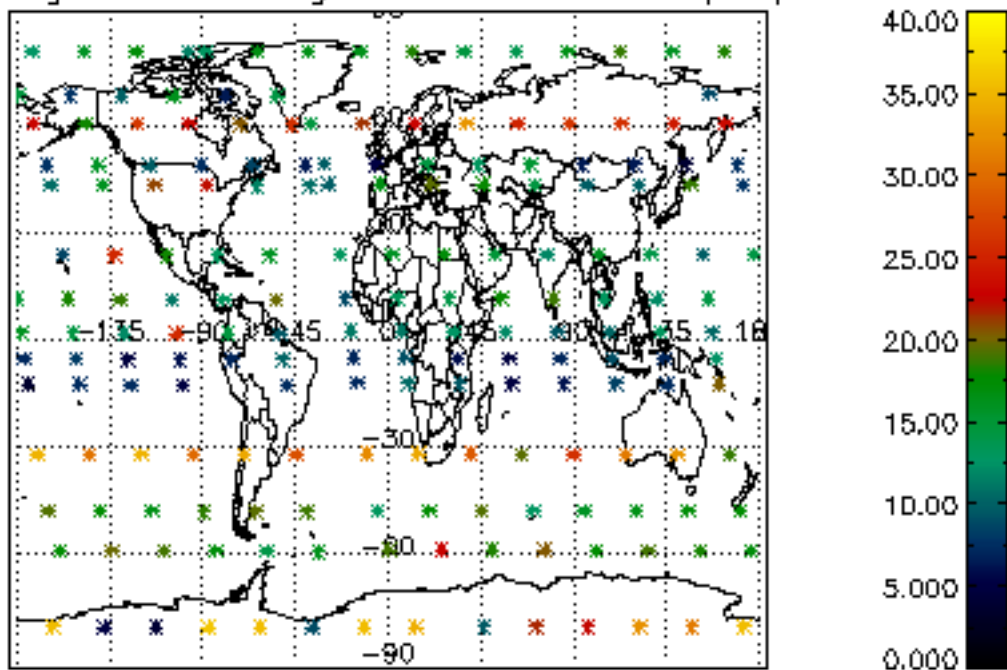
Percentage of cosmic ray hits per profile



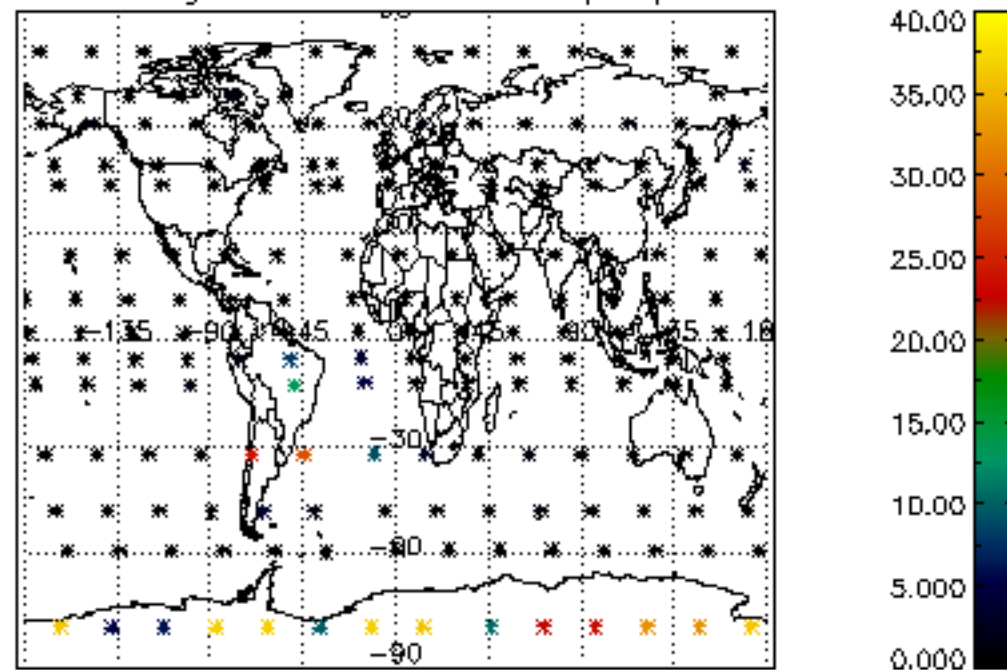
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

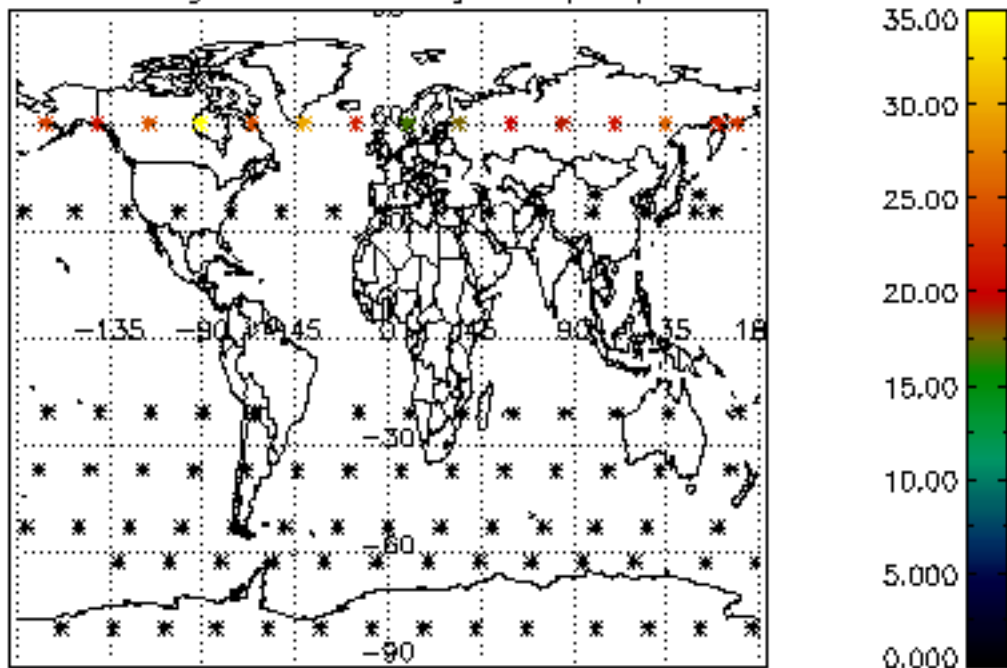


Percentage of saturation errors per profile

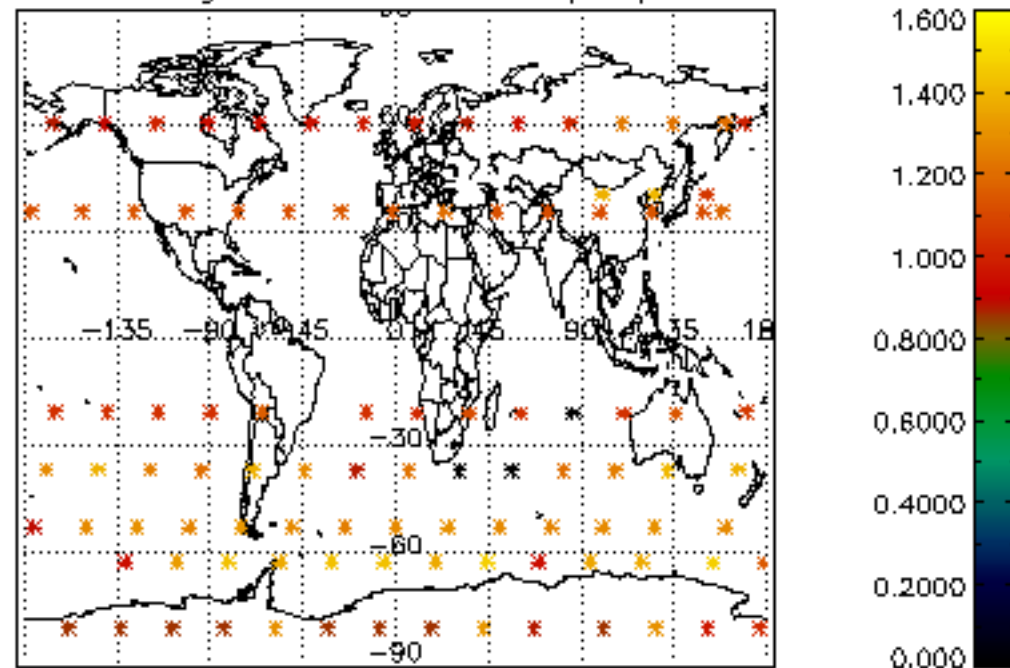




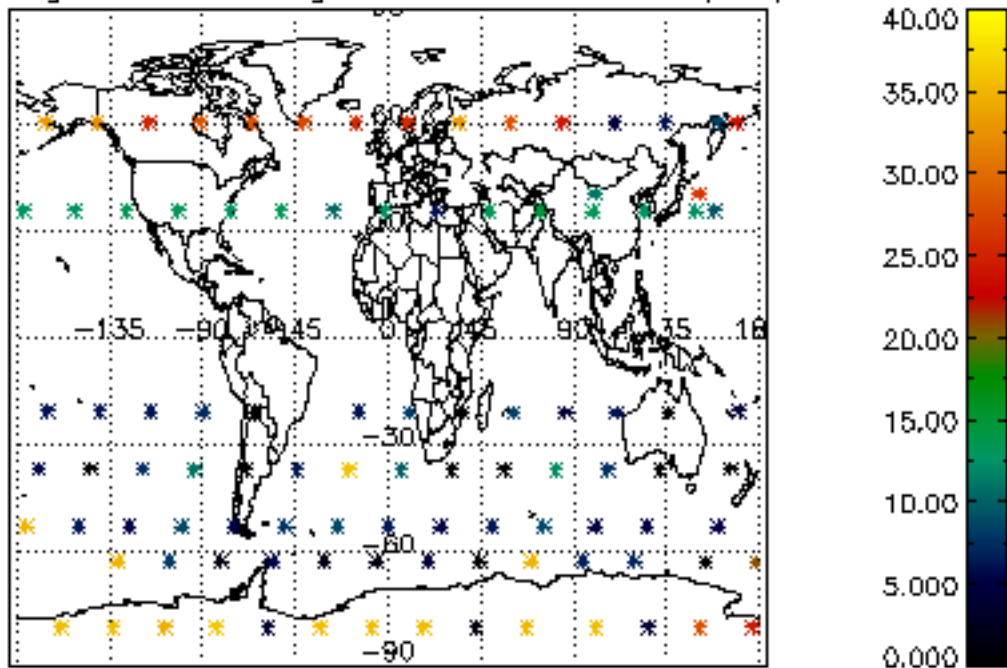
Percentage of cosmic ray hits per profile



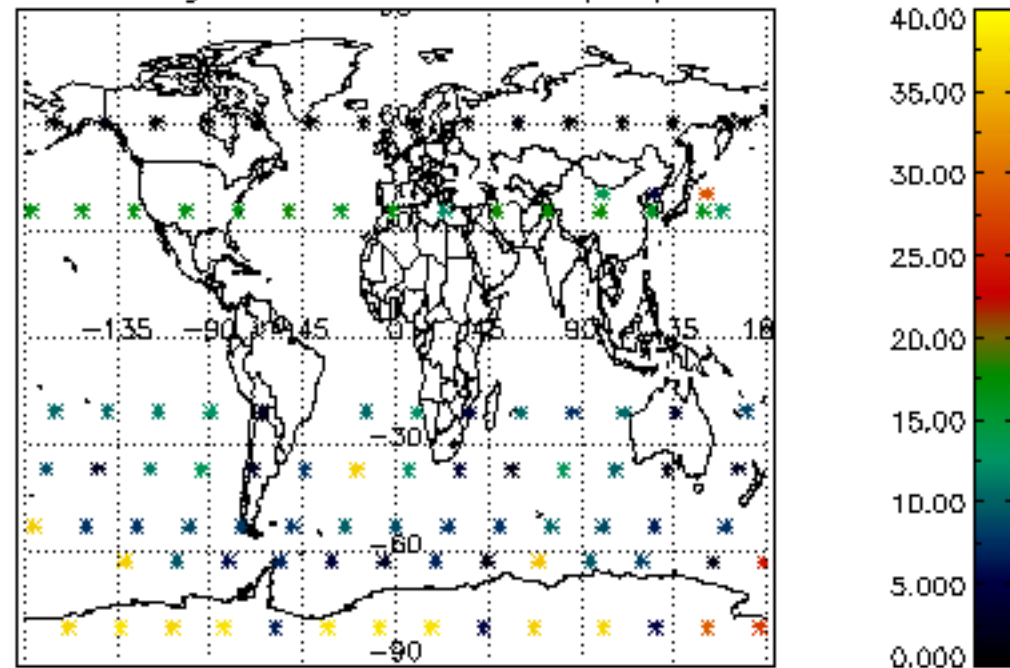
Percentage of datation errors per profile

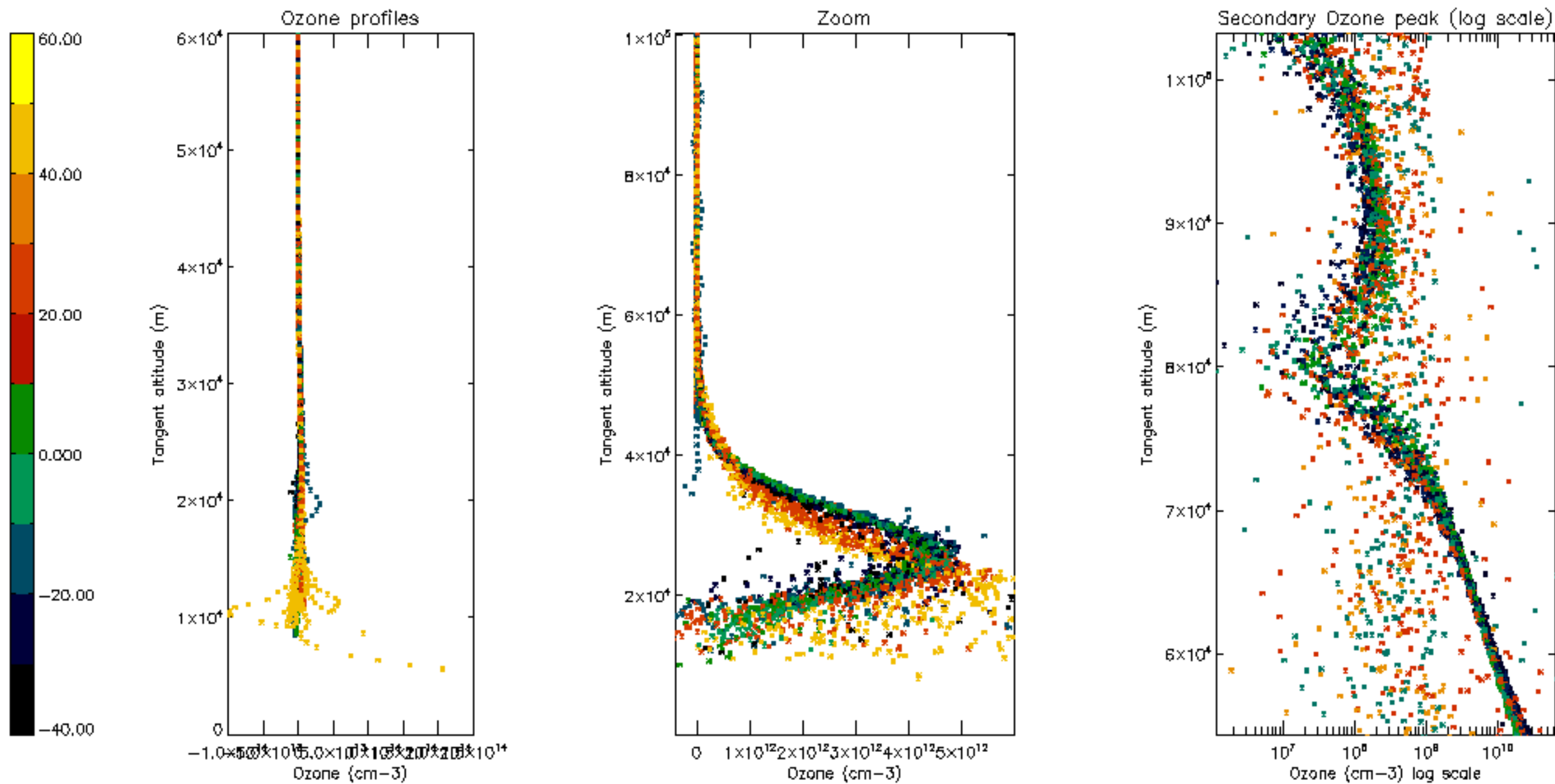


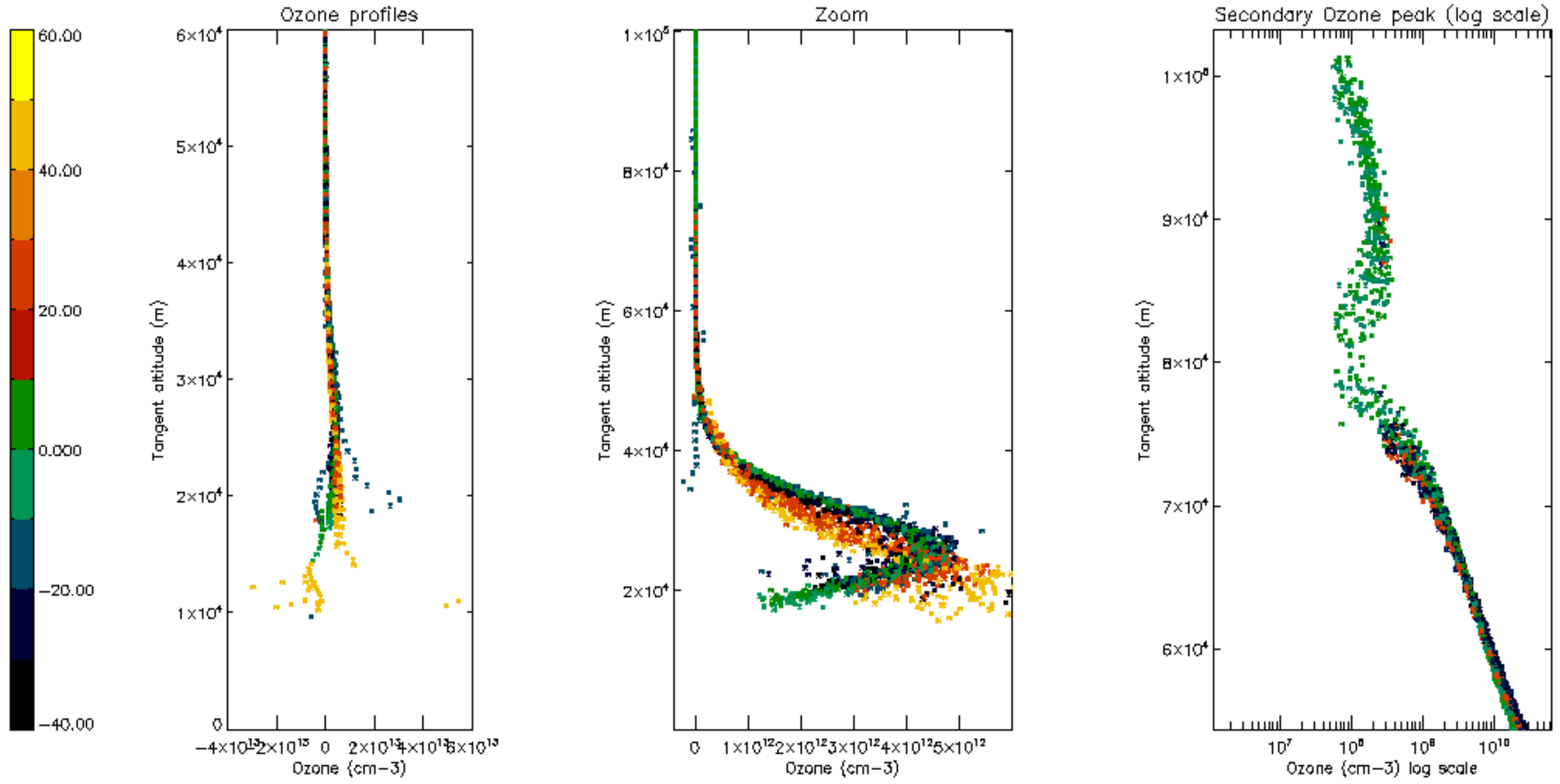
Percentage of star falling outside central band per profile

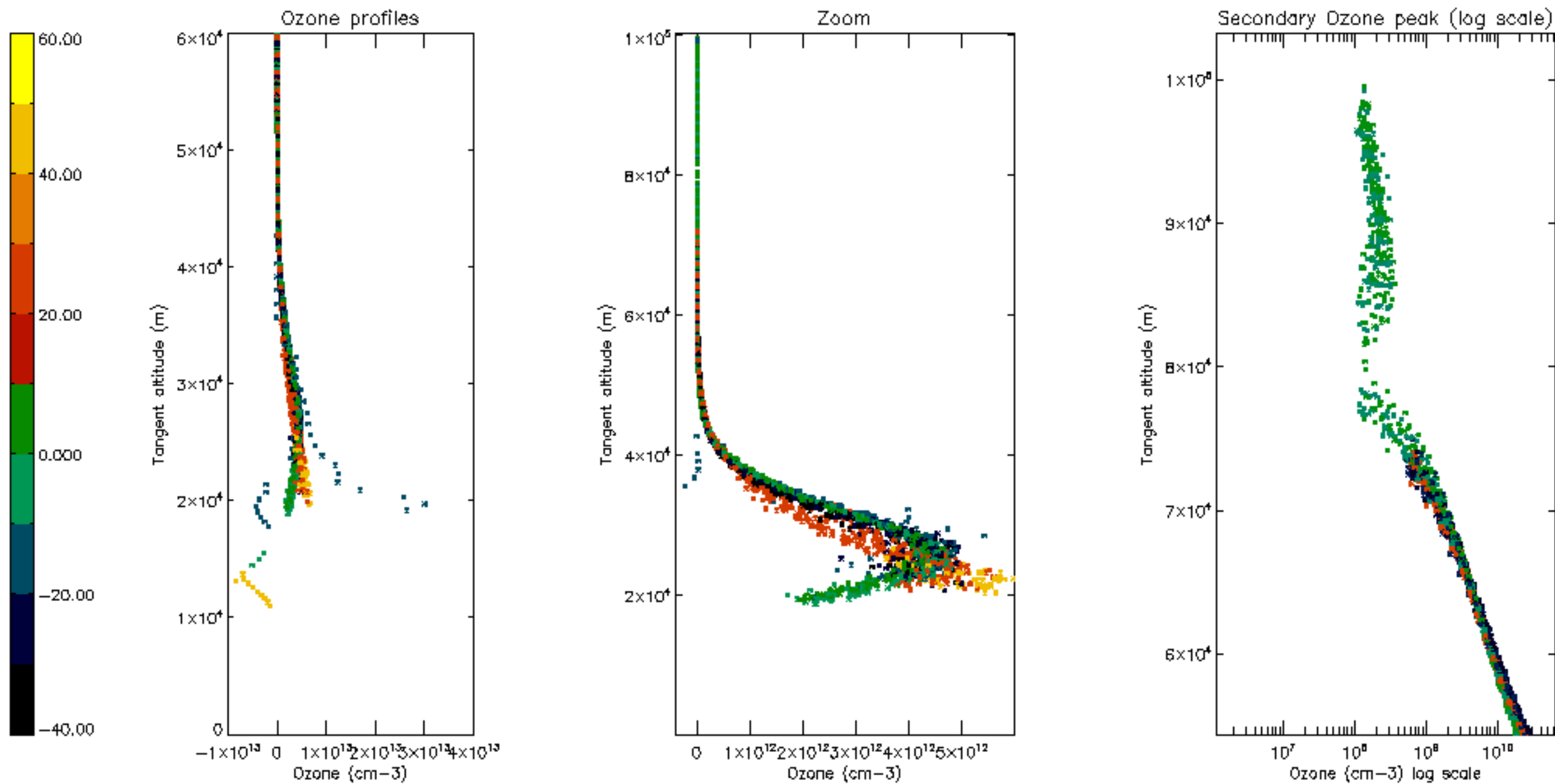


Percentage of saturation errors per profile

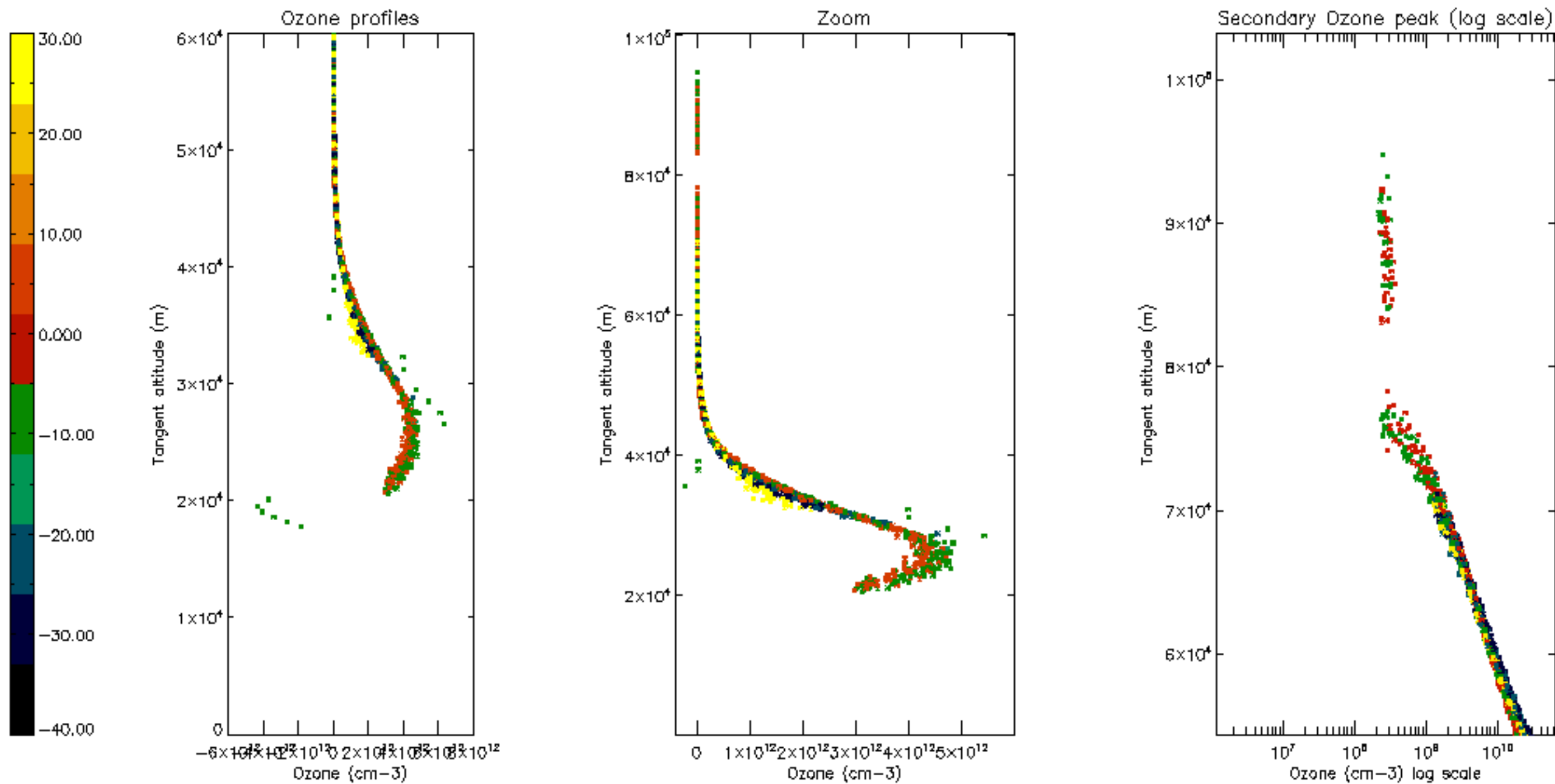


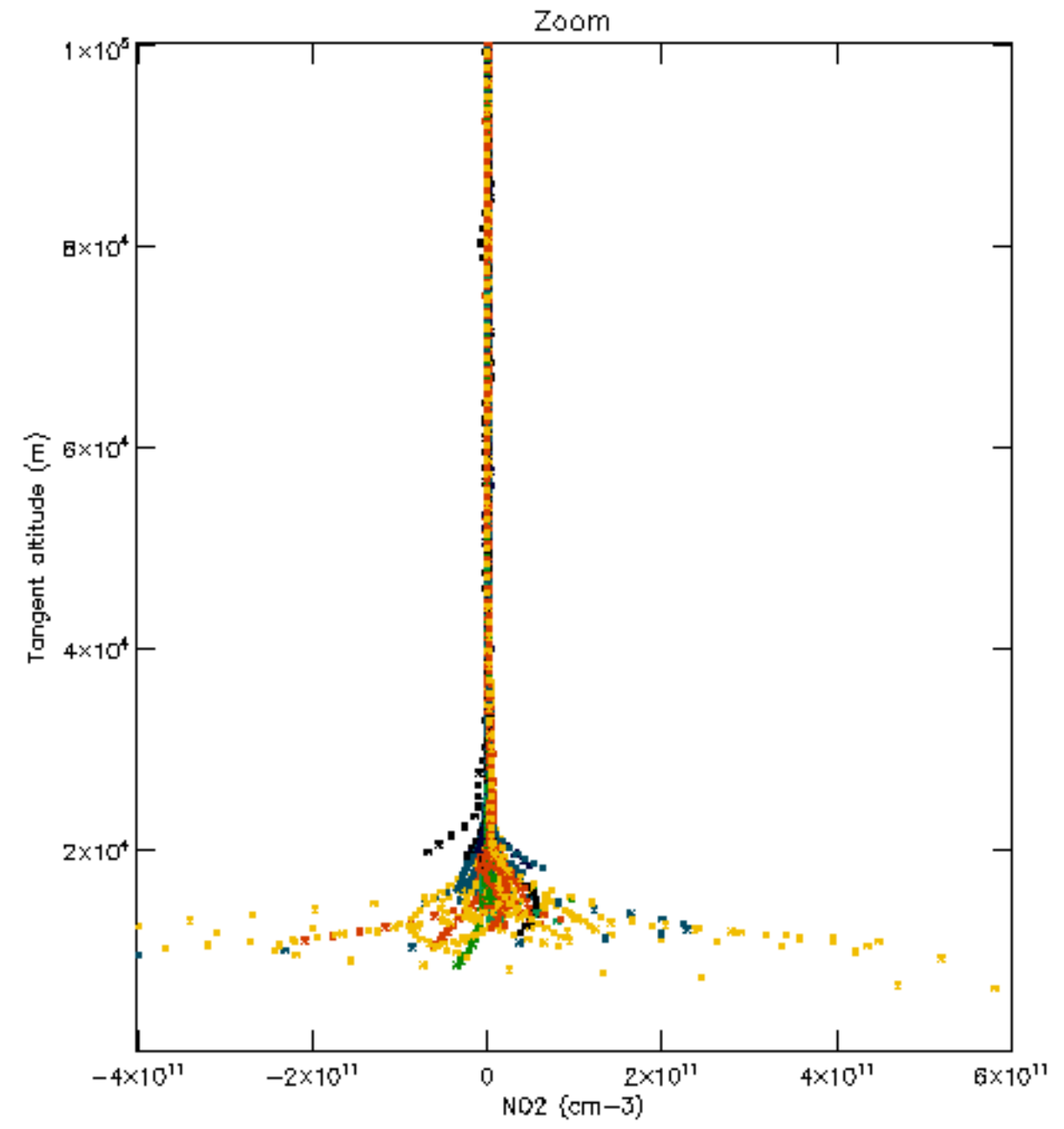
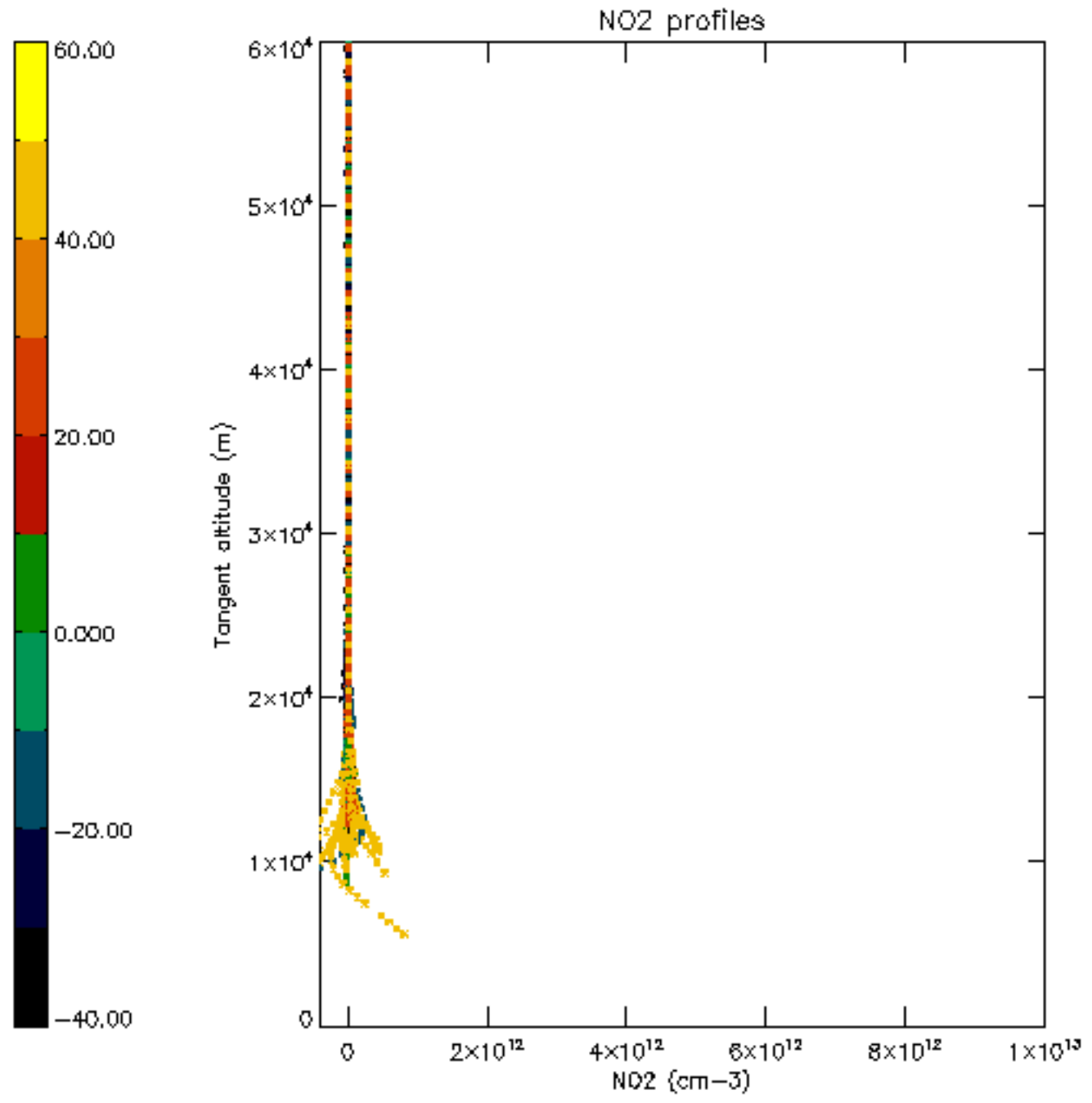


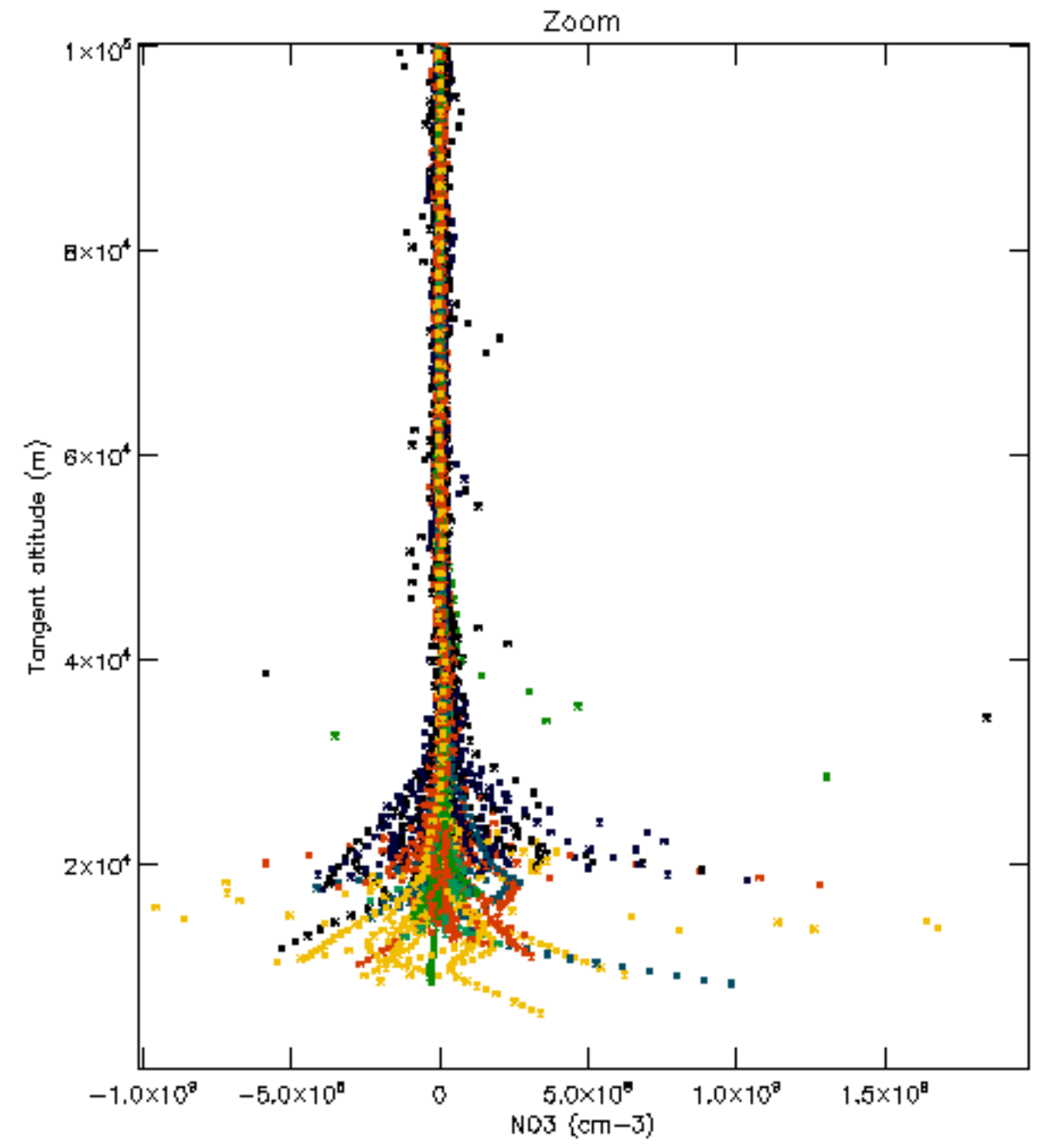
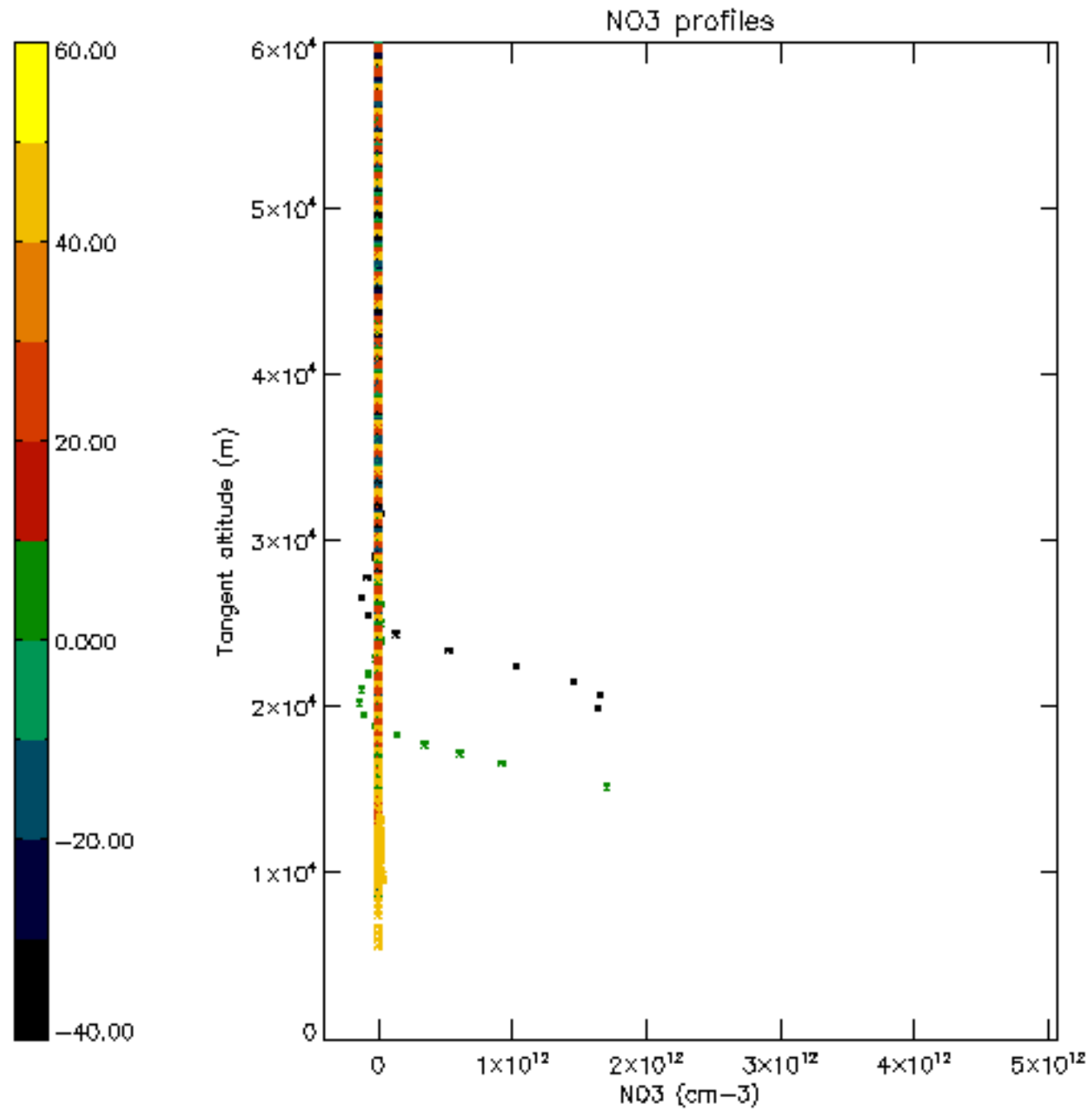




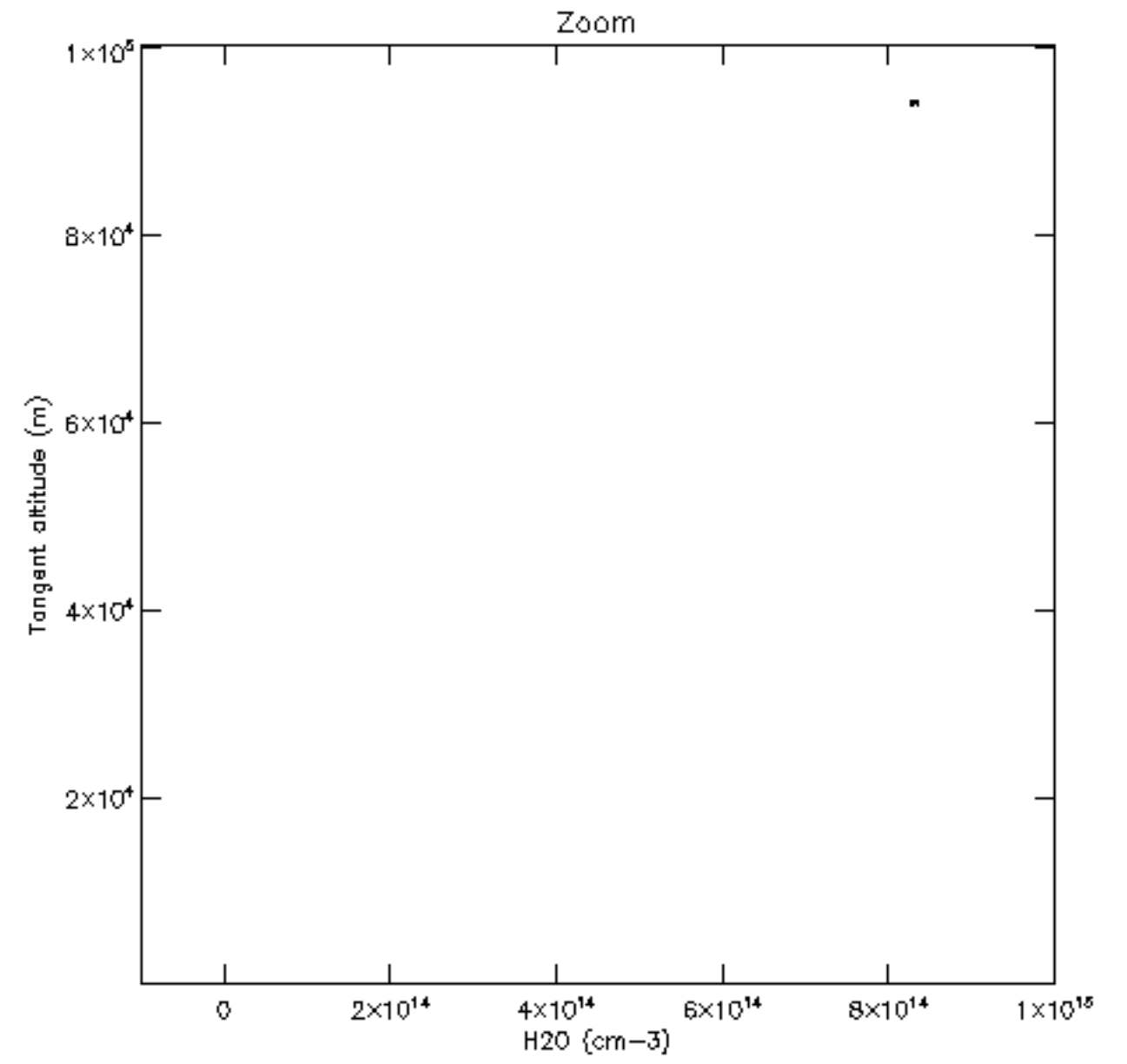
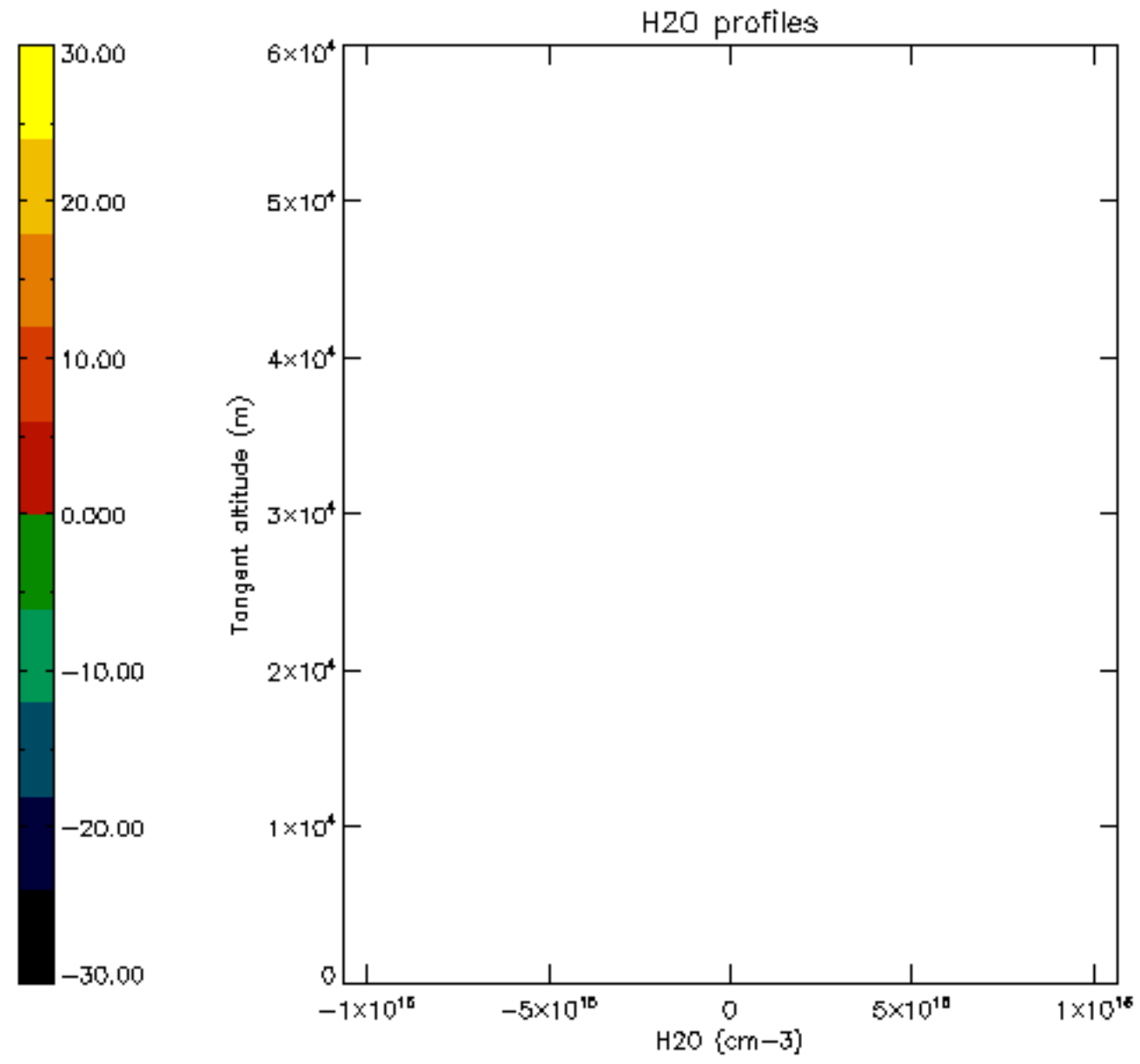


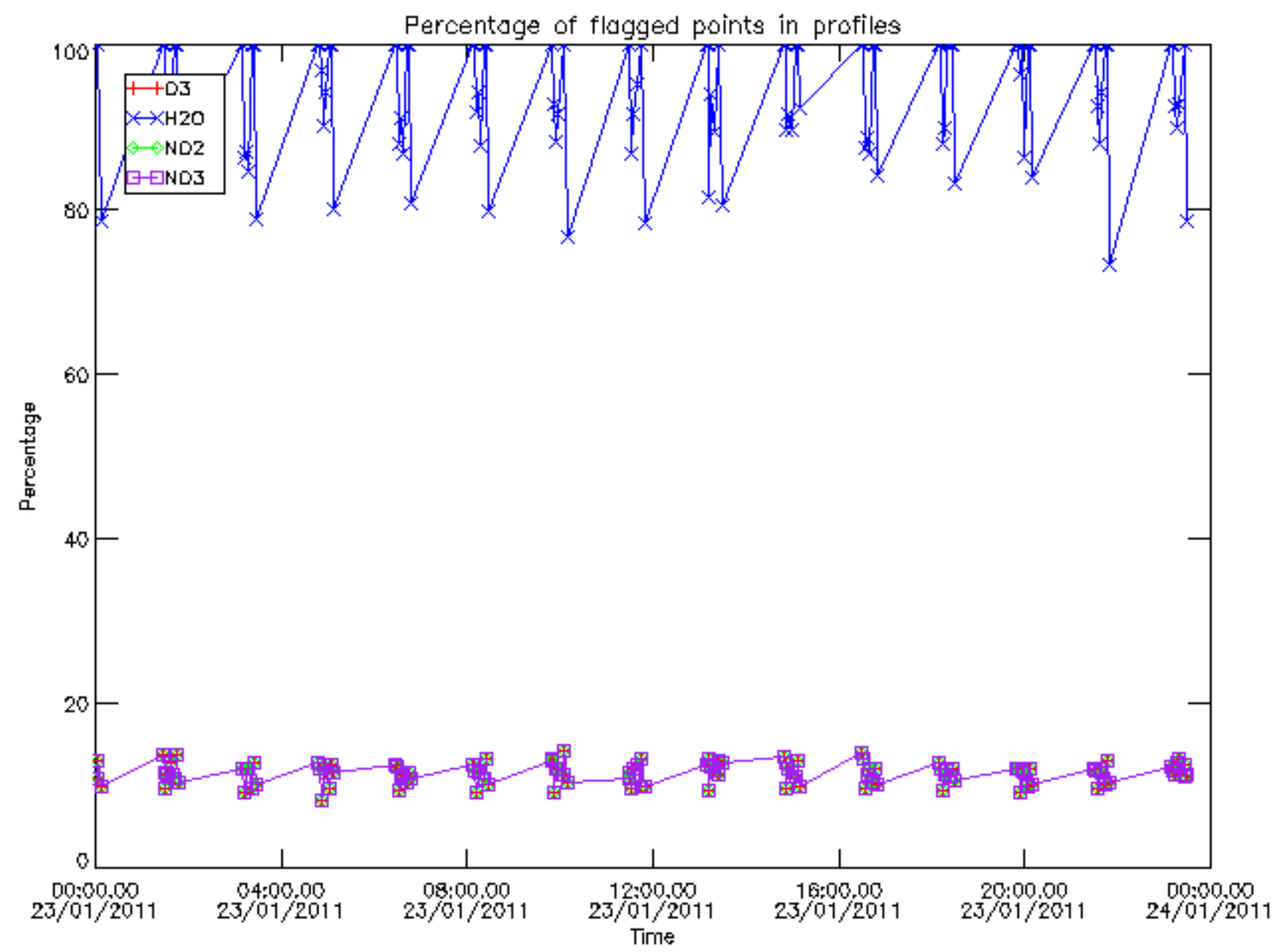




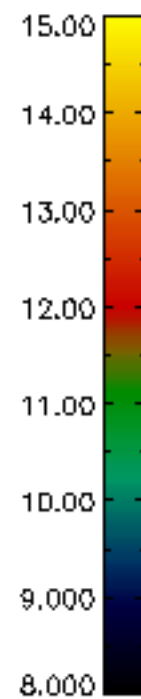
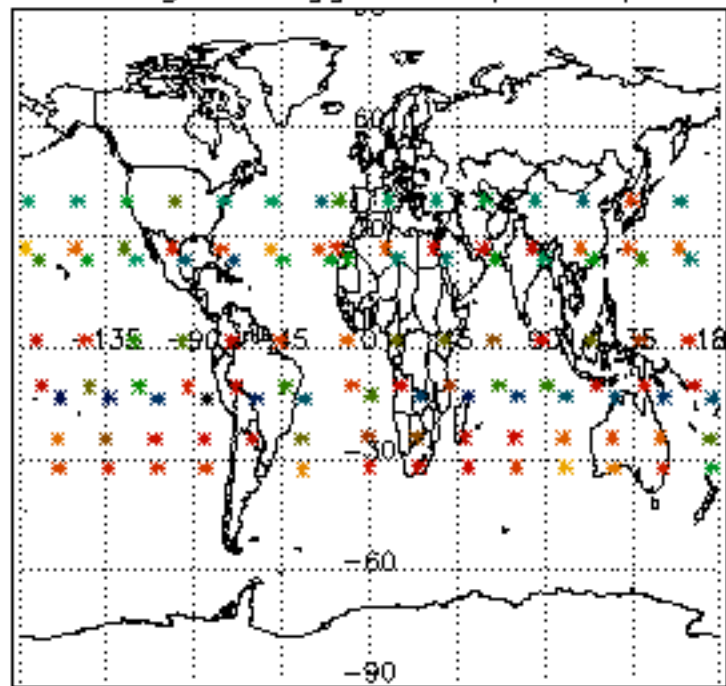




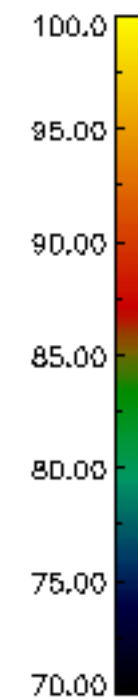
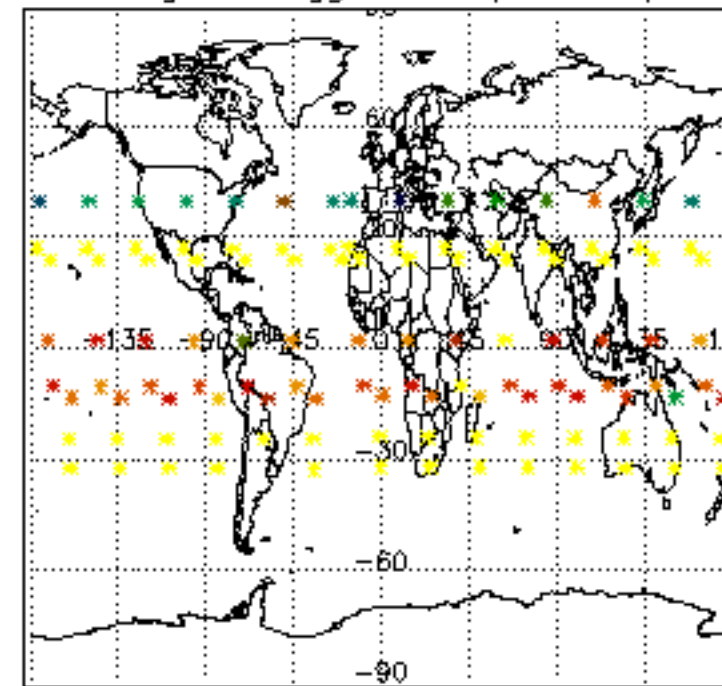




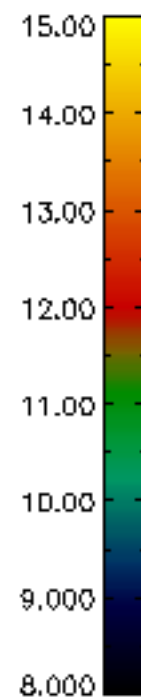
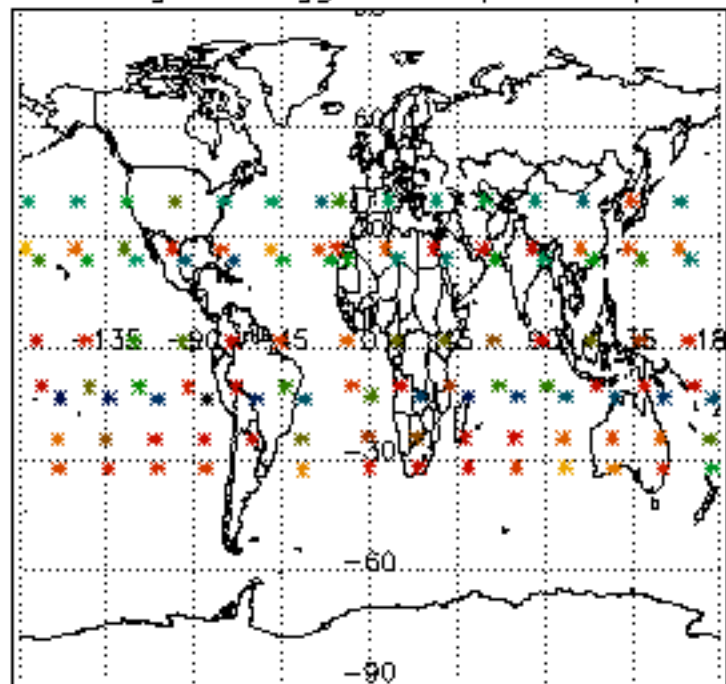
Percentage of flagged data per D3 profile



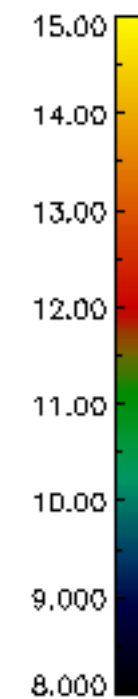
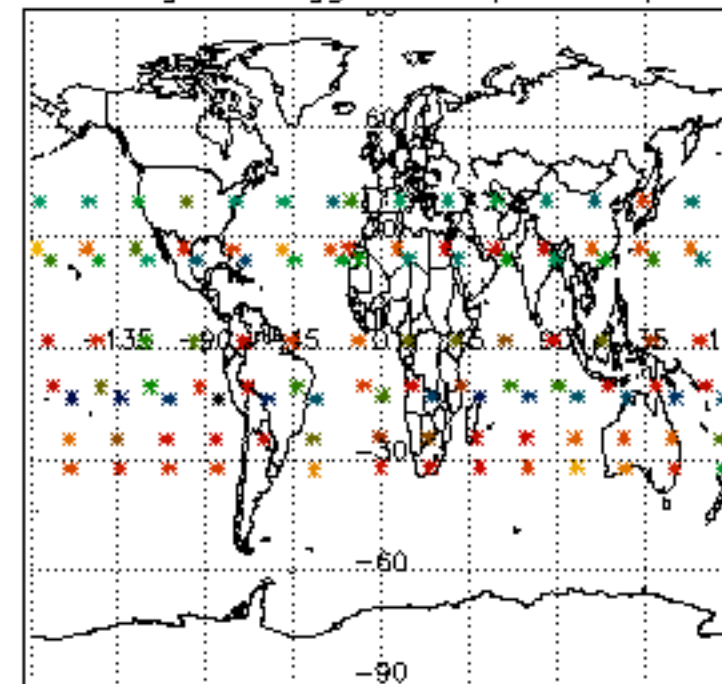
Percentage of flagged data per H2O profile

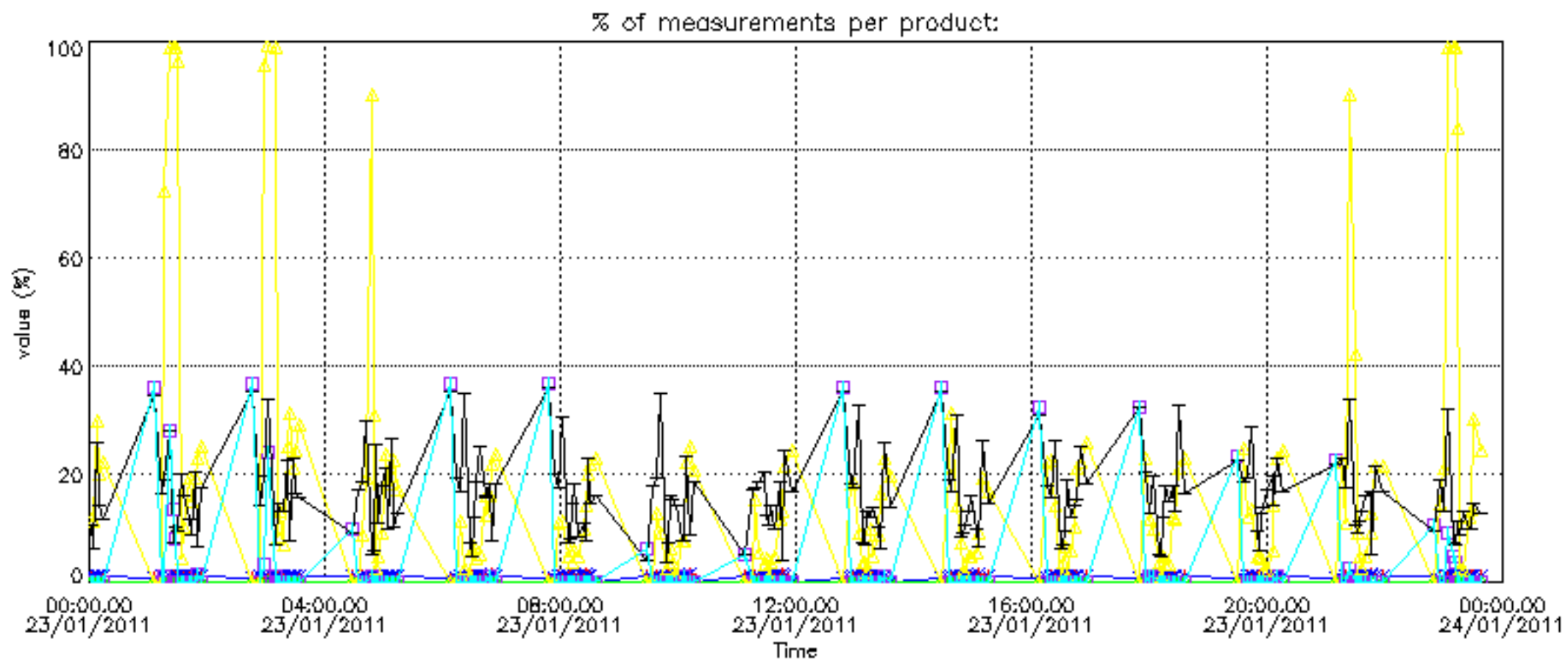


Percentage of flagged data per NO2 profile

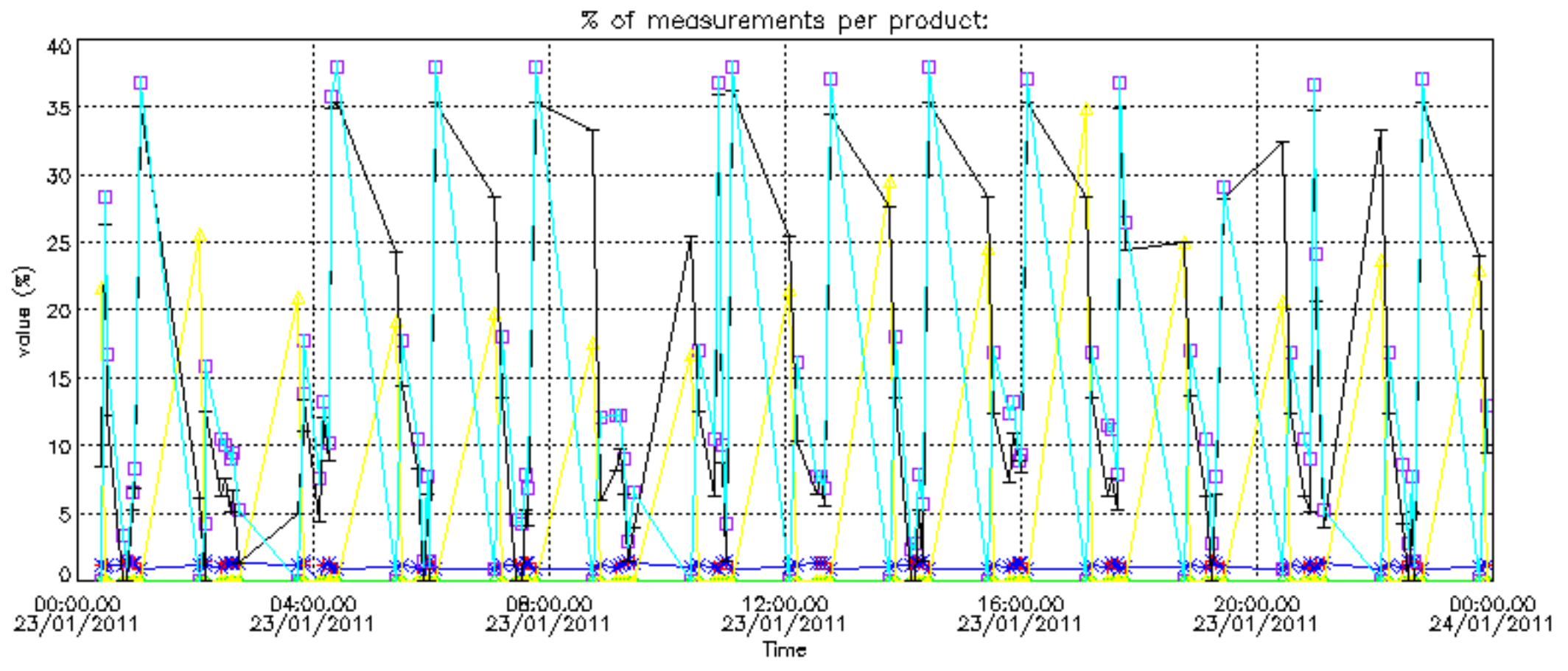


Percentage of flagged data per NO3 profile

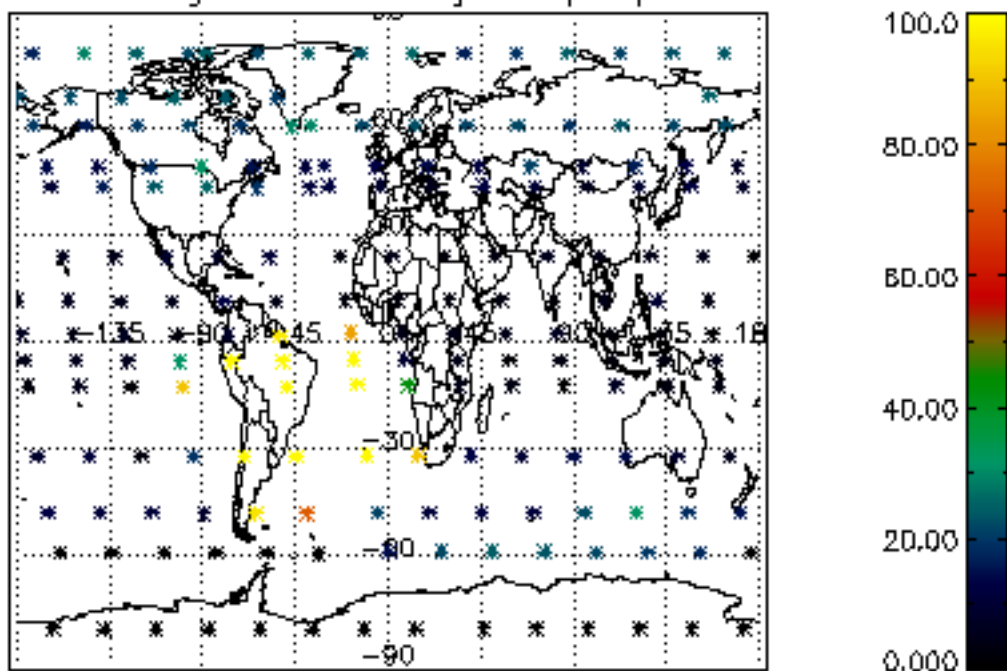




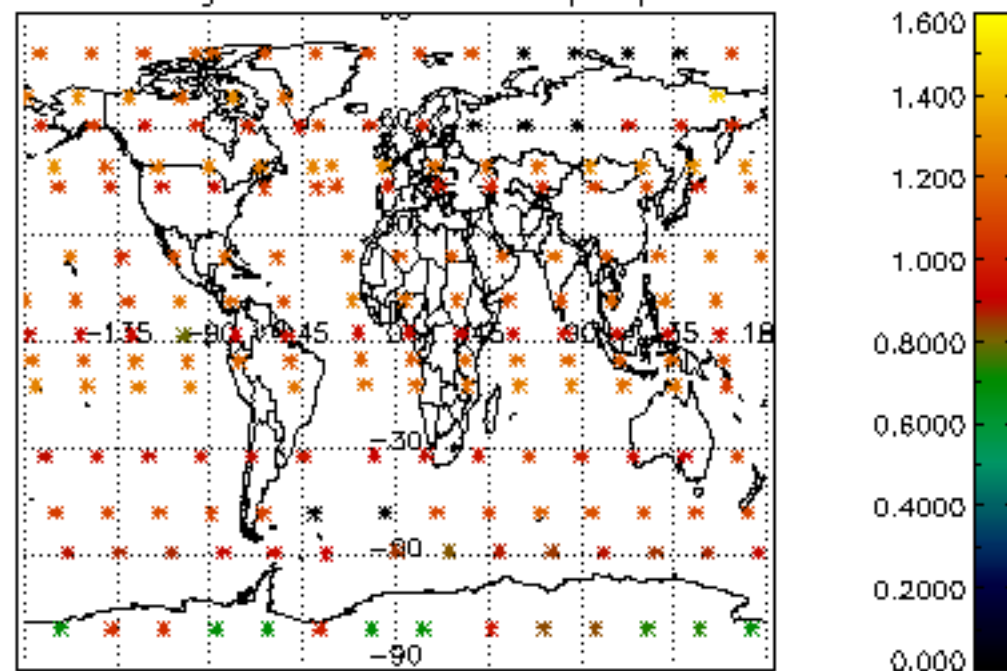




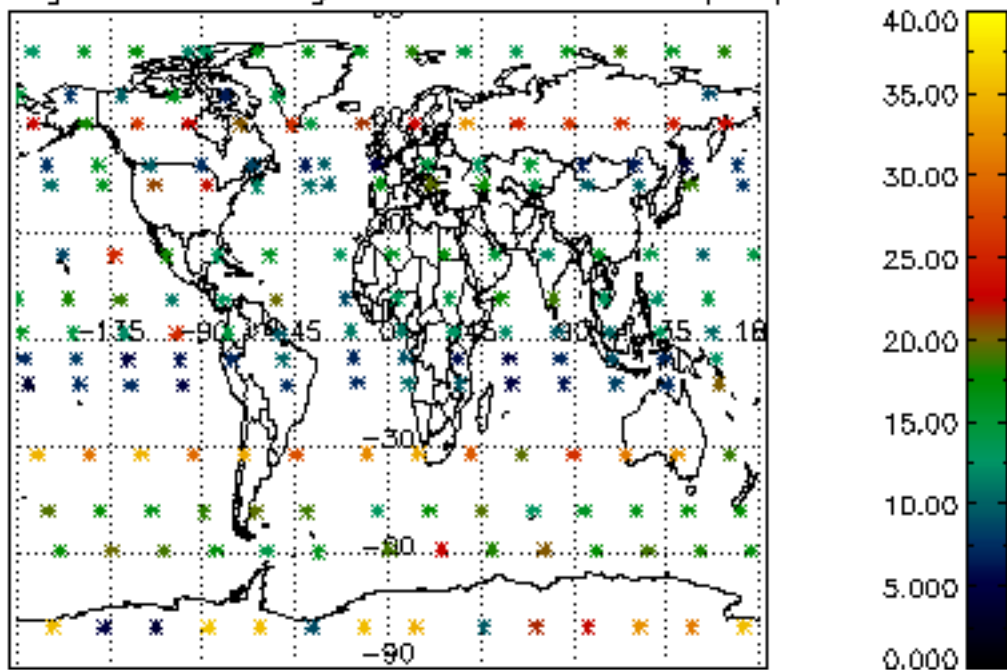
Percentage of cosmic ray hits per profile



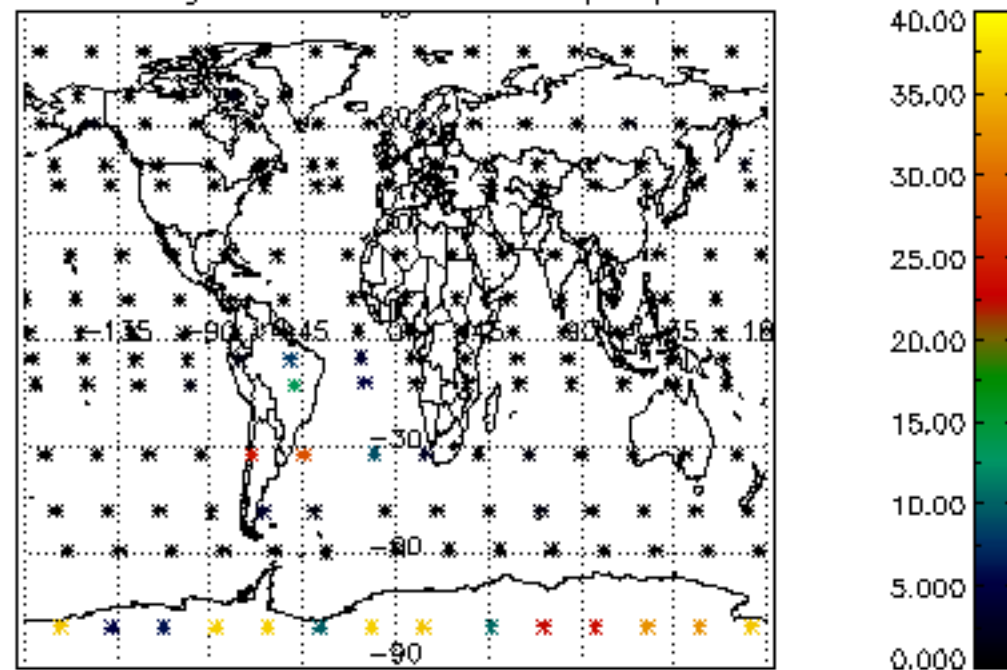
Percentage of datation errors per profile



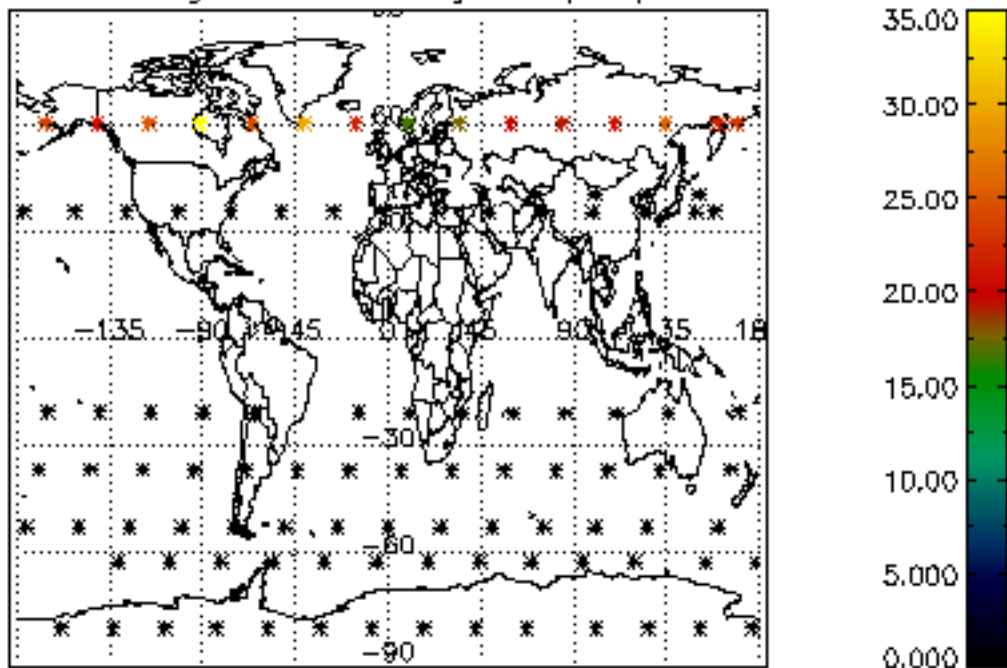
Percentage of star falling outside central band per profile



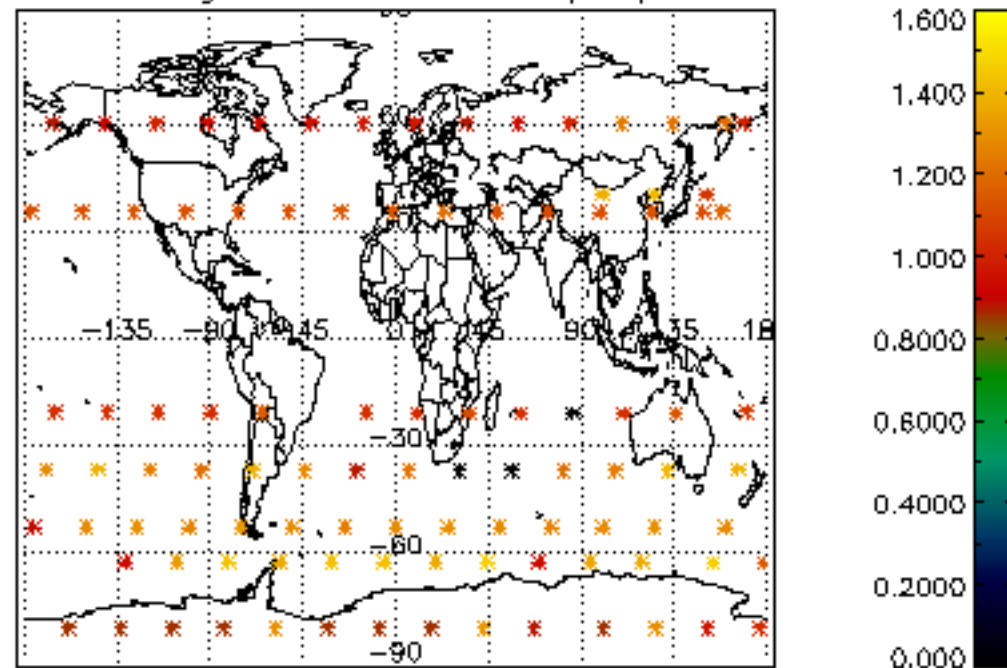
Percentage of saturation errors per profile



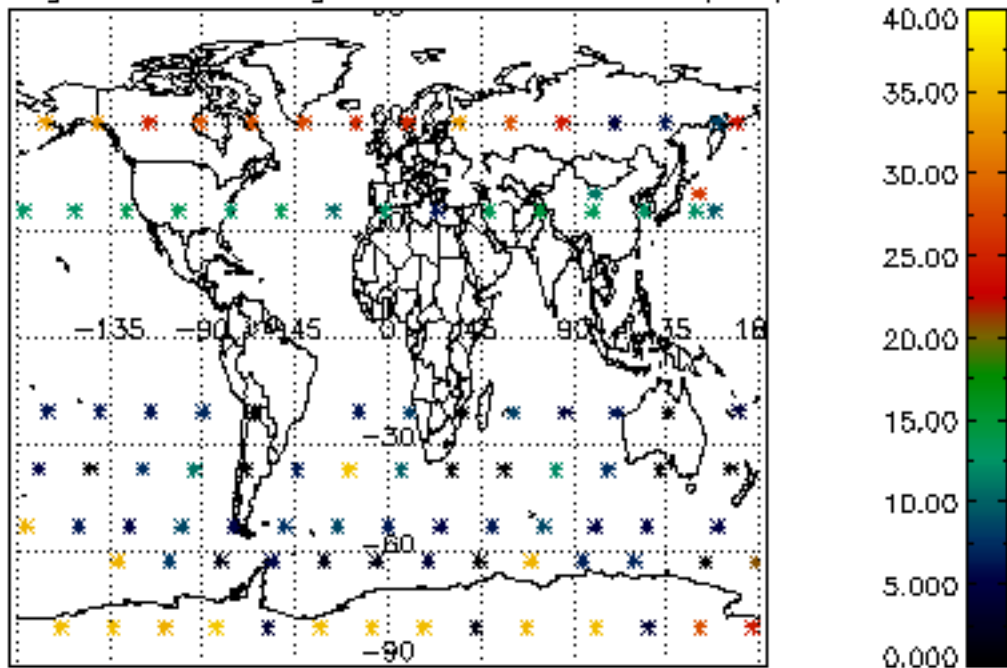
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

