

# 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	25APR2013 10:22:55
Data source version	GOMOS/6.01
Start time of products	13-02-2008 (13FEB2008 00:00:00)
Stop time of products	14-02-2008 (14FEB2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	321
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__2PRFIN20080213_000537_000000342066_00016_31132_5322.N1	13-FEB-2008 00:05:37	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	31132	No
2	GOM_NL__2PRFIN20080213_001226_000000332066_00016_31132_5323.N1	13-FEB-2008 00:12:26	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	31132	No
3	GOM_NL__2PRFIN20080213_001733_000000302066_00016_31132_5324.N1	13-FEB-2008 00:17:33	Bright	30.000	19	50Alp Cyg	1.2460	10500.	60	31132	No
4	GOM_NL__2PRFIN20080213_001911_000000352066_00016_31132_5325.N1	13-FEB-2008 00:19:11	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31132	No
5	GOM_NL__2PRFIN20080213_002032_000000372066_00016_31132_5326.N1	13-FEB-2008 00:20:32	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	31132	No
6	GOM_NL__2PRFIN20080213_002722_000000462066_00016_31132_5327.N1	13-FEB-2008 00:27:22	Bright	46.000	168	17Zet Aql	2.9860	11000.	92	31132	No
7	GOM_NL__2PRFIN20080213_003833_000000412066_00016_31132_5328.N1	13-FEB-2008 00:38:33	Twilight	40.500	57	34Sig Sgr	2.0660	26000.	81	31132	No
8	GOM_NL__2PRFIN20080213_004116_000000422066_00016_31132_5329.N1	13-FEB-2008 00:41:16	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	31132	No
9	GOM_NL__2PRFIN20080213_004316_000000442066_00016_31132_5330.N1	13-FEB-2008 00:43:16	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	31132	No
10	GOM_NL__2PRFIN20080213_004435_000000402066_00016_31132_5331.N1	13-FEB-2008 00:44:35	Dark	39.500	40	The Sco	1.8590	7100.0	79	31132	No
11	GOM_NL__2PRFIN20080213_004623_000000382066_00016_31132_5332.N1	13-FEB-2008 00:46:23	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31132	No
12	GOM_NL__2PRFIN20080213_004751_000000402066_00016_31132_5333.N1	13-FEB-2008 00:47:51	Dark	39.500	141	Bet Ara	2.8400	4600.0	79	31132	No
13	GOM_NL__2PRFIN20080213_005352_000000482066_00017_31133_5353.N1	13-FEB-2008 00:53:52	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	31133	No
14	GOM_NL__2PRFIN20080213_005511_000000432066_00017_31133_5354.N1	13-FEB-2008 00:55:11	Dark	43.000	10	Bet Cen	0.61000	28000.	86	31133	No
15	GOM_NL__2PRFIN20080213_005820_000000492066_00017_31133_5355.N1	13-FEB-2008 00:58:20	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	31133	No
16	GOM_NL__2PRFIN20080213_010100_000000382066_00017_31133_5356.N1	13-FEB-2008 01:01:00	Dark	37.500	29	Bet Car	1.6720	10200.	75	31133	No
17	GOM_NL__2PRFIN20080213_010335_000000382066_00017_31133_5357.N1	13-FEB-2008 01:03:35	Dark	38.000	71	lot Car	2.2460	7700.0	76	31133	No
18	GOM_NL__2PRFIN20080213_010514_000000392066_00017_31133_5358.N1	13-FEB-2008 01:05:14	Dark	39.000	46	Del Vel	1.9540	10600.	78	31133	No
19	GOM_NL__2PRFIN20080213_010738_000000412066_00017_31133_5359.N1	13-FEB-2008 01:07:38	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31133	No
20	GOM_NL__2PRFIN20080213_010942_000000362066_00017_31133_5360.N1	13-FEB-2008 01:09:42	Straylight	36.000	70	Zet Pup	2.2460	39000.	72	31133	No
21	GOM_NL__2PRFIN20080213_011400_000000392066_00017_31133_5361.N1	13-FEB-2008 01:14:00	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	31133	No
22	GOM_NL__2PRFIN20080213_012229_000000452066_00017_31133_5362.N1	13-FEB-2008 01:22:29	Bright	44.500	8	10Alp CMi	0.40000	6500.0	89	31133	No
23	GOM_NL__2PRFIN20080213_012849_000000382066_00017_31133_5363.N1	13-FEB-2008 01:28:49	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	31133	No
24	GOM_NL__2PRFIN20080213_014613_000000332066_00017_31133_5364.N1	13-FEB-2008 01:46:13	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	31133	No
25	GOM_NL__2PRFIN20080213_015302_000000352066_00017_31133_5365.N1	13-FEB-2008 01:53:02	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	31133	No
26	GOM_NL__2PRFIN20080213_015809_000000302066_00017_31133_5366.N1	13-FEB-2008 01:58:09	Bright	30.000	19	50Alp Cyg	1.2460	10500.	60	31133	No
27	GOM_NL__2PRFIN20080213_015947_000000352066_00017_31133_5367.N1	13-FEB-2008 01:59:47	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31133	No
28	GOM_NL__2PRFIN20080213_020108_000000372066_00017_31133_5368.N1	13-FEB-2008 02:01:08	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	31133	No
29	GOM_NL__2PRFIN20080213_020758_000000522066_00017_31133_5369.N1	13-FEB-2008 02:07:58	Bright	51.500	168	17Zet Aql	2.9860	11000.	103	31133	No
30	GOM_NL__2PRFIN20080213_021910_000000402066_00017_31133_5370.N1	13-FEB-2008 02:19:10	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	31133	No
31	GOM_NL__2PRFIN20080213_022152_000000392066_00017_31133_5371.N1	13-FEB-2008 02:21:52	Dark	38.500	38	20Eps Sgr	1.8360	11000.	77	31133	No
32	GOM_NL__2PRFIN20080213_022352_000000442066_00017_31133_5372.N1	13-FEB-2008 02:23:52	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	31133	No
33	GOM_NL__2PRFIN20080213_022512_000000392066_00017_31133_5373.N1	13-FEB-2008 02:25:12	Dark	39.000	40	The Sco	1.8590	7100.0	78	31133	No
34	GOM_NL__2PRFIN20080213_022659_000000372066_00017_31133_5374.N1	13-FEB-2008 02:26:59	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31133	No
35	GOM_NL__2PRFIN20080213_022828_000000392066_00017_31133_5375.N1	13-FEB-2008 02:28:28	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	31133	No
36	GOM_NL__2PRFIN20080213_023429_000000432066_00018_31134_5366.N1	13-FEB-2008 02:34:29	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31134	No
37	GOM_NL__2PRFIN20080213_023547_000000412066_00018_31134_5367.N1	13-FEB-2008 02:35:47	Dark	41.000	10	Bet Cen	0.61000	28000.	82	31134	No
38	GOM_NL__2PRFIN20080213_023856_000000412066_00018_31134_5368.N1	13-FEB-2008 02:38:56	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31134	No
39	GOM_NL__2PRFIN20080213_024136_000000382066_00018_31134_5369.N1	13-FEB-2008 02:41:36	Dark	37.500	29	Bet Car	1.6720	10200.	75	31134	No
40	GOM_NL__2PRFIN20080213_024411_000000402066_00018_31134_5370.N1	13-FEB-2008 02:44:11	Dark	39.500	71	lot Car	2.2460	7700.0	79	31134	No
41	GOM_NL__2PRFIN20080213_024550_000000382066_00018_31134_5371.N1	13-FEB-2008 02:45:50	Dark	38.000	46	Del Vel	1.9540	10600.	76	31134	No
42	GOM_NL__2PRFIN20080213_024814_000000382066_00018_31134_5372.N1	13-FEB-2008 02:48:14	Straylight	38.000	34	Gam2Vel	1.7930	23000.	76	31134	No

43	GOM_NL__2PRFIN20080213_025018_000000412066_00018_31134_5373.N1	13-FEB-2008 02:50:18	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	31134	No
44	GOM_NL__2PRFIN20080213_025436_000000412066_00018_31134_5374.N1	13-FEB-2008 02:54:36	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	31134	No
45	GOM_NL__2PRFIN20080213_030305_000000522066_00018_31134_5375.N1	13-FEB-2008 03:03:05	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31134	No
46	GOM_NL__2PRFIN20080213_030925_000000382066_00018_31134_5376.N1	13-FEB-2008 03:09:25	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31134	No
47	GOM_NL__2PRFIN20080213_032649_000000362066_00018_31134_5377.N1	13-FEB-2008 03:26:49	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31134	No
48	GOM_NL__2PRFIN20080213_033338_000000362066_00018_31134_5378.N1	13-FEB-2008 03:33:38	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31134	No
49	GOM_NL__2PRFIN20080213_033845_000000362066_00018_31134_5379.N1	13-FEB-2008 03:38:45	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31134	No
50	GOM_NL__2PRFIN20080213_034023_000000362066_00018_31134_5380.N1	13-FEB-2008 03:40:23	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	31134	No
51	GOM_NL__2PRFIN20080213_034144_000000382066_00018_31134_5381.N1	13-FEB-2008 03:41:44	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	31134	No
52	GOM_NL__2PRFIN20080213_034834_000000342066_00018_31134_5382.N1	13-FEB-2008 03:48:34	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31134	No
53	GOM_NL__2PRFIN20080213_035946_000000412066_00018_31134_5383.N1	13-FEB-2008 03:59:46	Twilight	40.500	57	34Sig Sgr	2.0660	26000.	81	31134	No
54	GOM_NL__2PRFIN20080213_040228_000000422066_00018_31134_5384.N1	13-FEB-2008 04:02:28	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	31134	No
55	GOM_NL__2PRFIN20080213_040429_000000422066_00018_31134_5385.N1	13-FEB-2008 04:04:29	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31134	No
56	GOM_NL__2PRFIN20080213_040548_000000372066_00018_31134_5386.N1	13-FEB-2008 04:05:48	Dark	37.000	40	The Sco	1.8590	7100.0	74	31134	No
57	GOM_NL__2PRFIN20080213_040735_000000392066_00018_31134_5387.N1	13-FEB-2008 04:07:35	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31134	No
58	GOM_NL__2PRFIN20080213_040904_000000452066_00018_31134_5388.N1	13-FEB-2008 04:09:04	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	31134	No
59	GOM_NL__2PRFIN20080213_041505_000000532066_00019_31135_5374.N1	13-FEB-2008 04:15:05	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	31135	No
60	GOM_NL__2PRFIN20080213_041623_000000412066_00019_31135_5375.N1	13-FEB-2008 04:16:23	Dark	41.000	10	Bet Cen	0.61000	28000.	82	31135	No
61	GOM_NL__2PRFIN20080213_041933_000000412066_00019_31135_5376.N1	13-FEB-2008 04:19:33	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31135	No
62	GOM_NL__2PRFIN20080213_042212_000000372066_00019_31135_5377.N1	13-FEB-2008 04:22:12	Dark	36.500	29	Bet Car	1.6720	10200.	73	31135	No
63	GOM_NL__2PRFIN20080213_042447_000000422066_00019_31135_5378.N1	13-FEB-2008 04:24:47	Dark	41.500	71	lot Car	2.2460	7700.0	83	31135	No
64	GOM_NL__2PRFIN20080213_042626_000000402066_00019_31135_5379.N1	13-FEB-2008 04:26:26	Dark	39.500	46	Del Vel	1.9540	10600.	79	31135	No
65	GOM_NL__2PRFIN20080213_042850_000000412066_00019_31135_5380.N1	13-FEB-2008 04:28:50	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31135	No
66	GOM_NL__2PRFIN20080213_043055_000000382066_00019_31135_5381.N1	13-FEB-2008 04:30:55	Straylight	38.000	70	Zet Pup	2.2460	39000.	76	31135	No
67	GOM_NL__2PRFIN20080213_043512_000000392066_00019_31135_5382.N1	13-FEB-2008 04:35:12	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31135	No
68	GOM_NL__2PRFIN20080213_044341_000000522066_00019_31135_5383.N1	13-FEB-2008 04:43:41	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31135	No
69	GOM_NL__2PRFIN20080213_045001_000000392066_00019_31135_5384.N1	13-FEB-2008 04:50:01	Bright	39.000	17	78Bet Gem	1.1610	4500.0	78	31135	No
70	GOM_NL__2PRFIN20080213_050725_000000352066_00019_31135_5385.N1	13-FEB-2008 05:07:25	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	31135	No
71	GOM_NL__2PRFIN20080213_051414_000000362066_00019_31135_5386.N1	13-FEB-2008 05:14:14	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31135	No
72	GOM_NL__2PRFIN20080213_051921_000000362066_00019_31135_5387.N1	13-FEB-2008 05:19:21	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31135	No
73	GOM_NL__2PRFIN20080213_052059_000000342066_00019_31135_5388.N1	13-FEB-2008 05:20:59	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31135	No
74	GOM_NL__2PRFIN20080213_052220_000000352066_00019_31135_5389.N1	13-FEB-2008 05:22:20	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	31135	No
75	GOM_NL__2PRFIN20080213_052910_000000342066_00019_31135_5390.N1	13-FEB-2008 05:29:10	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31135	No
76	GOM_NL__2PRFIN20080213_054022_000000402066_00019_31135_5391.N1	13-FEB-2008 05:40:22	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	31135	No
77	GOM_NL__2PRFIN20080213_054304_000000422066_00019_31135_5392.N1	13-FEB-2008 05:43:04	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	31135	No
78	GOM_NL__2PRFIN20080213_054505_000000422066_00019_31135_5393.N1	13-FEB-2008 05:45:05	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31135	No
79	GOM_NL__2PRFIN20080213_054624_000000432066_00019_31135_5394.N1	13-FEB-2008 05:46:24	Dark	42.500	40	The Sco	1.8590	7100.0	85	31135	No
80	GOM_NL__2PRFIN20080213_054812_000000402066_00019_31135_5395.N1	13-FEB-2008 05:48:12	Dark	40.000	147	Alp Ara	2.8770	26000.	80	31135	No
81	GOM_NL__2PRFIN20080213_054940_000000412066_00019_31135_5396.N1	13-FEB-2008 05:49:40	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	31135	No
82	GOM_NL__2PRFIN20080213_055542_000000552066_00020_31136_5392.N1	13-FEB-2008 05:55:42	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	31136	No
83	GOM_NL__2PRFIN20080213_055700_000000412066_00020_31136_5393.N1	13-FEB-2008 05:57:00	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31136	No
84	GOM_NL__2PRFIN20080213_060009_000000412066_00020_31136_5394.N1	13-FEB-2008 06:00:09	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31136	No
85	GOM_NL__2PRFIN20080213_060248_000000462066_00020_31136_5395.N1	13-FEB-2008 06:02:48	Dark	46.000	29	Bet Car	1.6720	10200.	92	31136	No
86	GOM_NL__2PRFIN20080213_060523_000000402066_00020_31136_5396.N1	13-FEB-2008 06:05:23	Dark	40.000	71	lot Car	2.2460	7700.0	80	31136	No
87	GOM_NL__2PRFIN20080213_060702_000000422066_00020_31136_5397.N1	13-FEB-2008 06:07:02	Dark	42.000	46	Del Vel	1.9540	10600.	84	31136	No
88	GOM_NL__2PRFIN20080213_060926_000000392066_00020_31136_5398.N1	13-FEB-2008 06:09:26	Straylight	38.500	34	Gam2Vel	1.7930	23000.	77	31136	No
89	GOM_NL__2PRFIN20080213_061131_000000402066_00020_31136_5399.N1	13-FEB-2008 06:11:31	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	31136	No
90	GOM_NL__2PRFIN20080213_061549_000000382066_00020_31136_5400.N1	13-FEB-2008 06:15:49	Straylight	37.500	132	15Rho Pup	2.8030	6900.0	75	31136	No
91	GOM_NL__2PRFIN20080213_062417_000000522066_00020_31136_5401.N1	13-FEB-2008 06:24:17	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31136	No
92	GOM_NL__2PRFIN20080213_063037_000000372066_00020_31136_5402.N1	13-FEB-2008 06:30:37	Bright	37.000	17	78Bet Gem	1.1610	4500.0	74	31136	No
93	GOM_NL__2PRFIN20080213_064801_000000362066_00020_31136_5403.N1	13-FEB-2008 06:48:01	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31136	No
94	GOM_NL__2PRFIN20080213_065451_000000372066_00020_31136_5404.N1	13-FEB-2008 06:54:51	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	31136	No
95	GOM_NL__2PRFIN20080213_065958_000000352066_00020_31136_5405.N1	13-FEB-2008 06:59:58	Bright	35.000	19	50Alp Cyg	1.2460	10500.	70	31136	No
96	GOM_NL__2PRFIN20080213_070135_000000342066_00020_31136_5406.N1	13-FEB-2008 07:01:35	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31136	No
97	GOM_NL__2PRFIN20080213_070256_000000382066_00020_31136_5407.N1	13-FEB-2008 07:02:56	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	31136	No
98	GOM_NL__2PRFIN20080213_070947_000000352066_00020_31136_5408.N1	13-FEB-2008 07:09:47	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31136	No
99	GOM_NL__2PRFIN20080213_072058_000000382066_00020_31136_5409.N1	13-FEB-2008 07:20:58	Twilight	37.500	57	34Sig Sgr	2.0660	26000.	75	31136	No
100	GOM_NL__2PRFIN20080213_072341_000000422066_00020_31136_5410.N1	13-FEB-2008 07:23:41	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	31136	No
101	GOM_NL__2PRFIN20080213_072542_000000412066_00020_31136_5411.N1	13-FEB-2008 07:25:42	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	31136	No

102	GOM_NL__2PRFIN20080213_072701_000000422066_00020_31136_5412.N1	13-FEB-2008 07:27:01	Dark	42.000	40	The Sco	1.8590	7100.0	84	31136	No
103	GOM_NL__2PRFIN20080213_072848_000000402066_00020_31136_5413.N1	13-FEB-2008 07:28:48	Dark	39.500	147	Alp Ara	2.8770	26000.	79	31136	No
104	GOM_NL__2PRFIN20080213_073017_000000412066_00020_31136_5414.N1	13-FEB-2008 07:30:17	Dark	40.500	141	Bet Ara	2.8400	4600.0	81	31136	No
105	GOM_NL__2PRFIN20080213_073618_000000572066_00021_31137_5398.N1	13-FEB-2008 07:36:18	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	31137	No
106	GOM_NL__2PRFIN20080213_073737_000000412066_00021_31137_5399.N1	13-FEB-2008 07:37:37	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31137	No
107	GOM_NL__2PRFIN20080213_074046_000000512066_00021_31137_5400.N1	13-FEB-2008 07:40:46	Dark	50.500	12	Alp1Cru	0.77500	30000.	101	31137	No
108	GOM_NL__2PRFIN20080213_074324_000000422066_00021_31137_5401.N1	13-FEB-2008 07:43:24	Dark	41.500	29	Bet Car	1.6720	10200.	83	31137	No
109	GOM_NL__2PRFIN20080213_074559_000000412066_00021_31137_5402.N1	13-FEB-2008 07:45:59	Dark	41.000	71	lot Car	2.2460	7700.0	82	31137	No
110	GOM_NL__2PRFIN20080213_074738_000000402066_00021_31137_5403.N1	13-FEB-2008 07:47:38	Dark	39.500	46	Del Vel	1.9540	10600.	79	31137	No
111	GOM_NL__2PRFIN20080213_075003_000000392066_00021_31137_5404.N1	13-FEB-2008 07:50:03	Straylight	39.000	34	Gam2Vel	1.7930	23000.	78	31137	No
112	GOM_NL__2PRFIN20080213_075207_000000372066_00021_31137_5405.N1	13-FEB-2008 07:52:07	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	31137	No
113	GOM_NL__2PRFIN20080213_075625_000000392066_00021_31137_5406.N1	13-FEB-2008 07:56:25	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	31137	No
114	GOM_NL__2PRFIN20080213_080453_000000522066_00021_31137_5407.N1	13-FEB-2008 08:04:53	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31137	No
115	GOM_NL__2PRFIN20080213_081113_000000362066_00021_31137_5408.N1	13-FEB-2008 08:11:13	Bright	36.000	17	78Bet Gem	1.1610	4500.0	72	31137	No
116	GOM_NL__2PRFIN20080213_082837_000000362066_00021_31137_5409.N1	13-FEB-2008 08:28:37	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31137	No
117	GOM_NL__2PRFIN20080213_083527_000000372066_00021_31137_5410.N1	13-FEB-2008 08:35:27	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	31137	No
118	GOM_NL__2PRFIN20080213_084034_000000372066_00021_31137_5411.N1	13-FEB-2008 08:40:34	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	31137	No
119	GOM_NL__2PRFIN20080213_084211_000000352066_00021_31137_5412.N1	13-FEB-2008 08:42:11	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31137	No
120	GOM_NL__2PRFIN20080213_084332_000000372066_00021_31137_5413.N1	13-FEB-2008 08:43:32	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	31137	No
121	GOM_NL__2PRFIN20080213_085023_000000352066_00021_31137_5414.N1	13-FEB-2008 08:50:23	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	31137	No
122	GOM_NL__2PRFIN20080213_090134_000000392066_00021_31137_5415.N1	13-FEB-2008 09:01:34	Twilight	38.500	57	34Sig Sgr	2.0660	26000.	77	31137	No
123	GOM_NL__2PRFIN20080213_090417_000000412066_00021_31137_5416.N1	13-FEB-2008 09:04:17	Dark	41.000	38	20Eps Sgr	1.8360	11000.	82	31137	No
124	GOM_NL__2PRFIN20080213_090618_000000432066_00021_31137_5417.N1	13-FEB-2008 09:06:18	Dark	43.000	25	35Lam Sco	1.6200	28000.	86	31137	No
125	GOM_NL__2PRFIN20080213_090737_000000482066_00021_31137_5418.N1	13-FEB-2008 09:07:37	Dark	48.000	40	The Sco	1.8590	7100.0	96	31137	No
126	GOM_NL__2PRFIN20080213_090925_000000382066_00021_31137_5419.N1	13-FEB-2008 09:09:25	Dark	38.000	147	Alp Ara	2.8770	26000.	76	31137	No
127	GOM_NL__2PRFIN20080213_091053_000000472066_00021_31137_5420.N1	13-FEB-2008 09:10:53	Dark	47.000	141	Bet Ara	2.8400	4600.0	94	31137	No
128	GOM_NL__2PRFIN20080213_091655_000000482066_00022_31138_5422.N1	13-FEB-2008 09:16:55	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	31138	No
129	GOM_NL__2PRFIN20080213_091813_000000502066_00022_31138_5423.N1	13-FEB-2008 09:18:13	Dark	50.000	10	Bet Cen	0.61000	28000.	100	31138	No
130	GOM_NL__2PRFIN20080213_092122_000000402066_00022_31138_5424.N1	13-FEB-2008 09:21:22	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	31138	No
131	GOM_NL__2PRFIN20080213_092401_000000382066_00022_31138_5425.N1	13-FEB-2008 09:24:01	Dark	38.000	29	Bet Car	1.6720	10200.	76	31138	No
132	GOM_NL__2PRFIN20080213_092636_000000432066_00022_31138_5426.N1	13-FEB-2008 09:26:36	Dark	42.500	71	lot Car	2.2460	7700.0	85	31138	No
133	GOM_NL__2PRFIN20080213_092814_000000392066_00022_31138_5427.N1	13-FEB-2008 09:28:14	Dark	38.500	46	Del Vel	1.9540	10600.	77	31138	No
134	GOM_NL__2PRFIN20080213_093039_000000382066_00022_31138_5428.N1	13-FEB-2008 09:30:39	Straylight	38.000	34	Gam2Vel	1.7930	23000.	76	31138	No
135	GOM_NL__2PRFIN20080213_093243_000000382066_00022_31138_5429.N1	13-FEB-2008 09:32:43	Straylight	38.000	70	Zet Pup	2.2460	39000.	76	31138	No
136	GOM_NL__2PRFIN20080213_093701_000000392066_00022_31138_5430.N1	13-FEB-2008 09:37:01	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31138	No
137	GOM_NL__2PRFIN20080213_094529_000000522066_00022_31138_5431.N1	13-FEB-2008 09:45:29	Bright	51.500	8	10Alp CMi	0.40000	6500.0	103	31138	No
138	GOM_NL__2PRFIN20080213_095149_000000382066_00022_31138_5432.N1	13-FEB-2008 09:51:49	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31138	No
139	GOM_NL__2PRFIN20080213_100913_000000372066_00022_31138_5433.N1	13-FEB-2008 10:09:13	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	31138	No
140	GOM_NL__2PRFIN20080213_101603_000000372066_00022_31138_5434.N1	13-FEB-2008 10:16:03	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	31138	No
141	GOM_NL__2PRFIN20080213_102110_000000362066_00022_31138_5435.N1	13-FEB-2008 10:21:10	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	31138	No
142	GOM_NL__2PRFIN20080213_102247_000000352066_00022_31138_5436.N1	13-FEB-2008 10:22:47	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	31138	No
143	GOM_NL__2PRFIN20080213_102408_000000352066_00022_31138_5437.N1	13-FEB-2008 10:24:08	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	31138	No
144	GOM_NL__2PRFIN20080213_103059_000000342066_00022_31138_5438.N1	13-FEB-2008 10:30:59	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31138	No
145	GOM_NL__2PRFIN20080213_104210_000000412066_00022_31138_5439.N1	13-FEB-2008 10:42:10	Twilight	41.000	57	34Sig Sgr	2.0660	26000.	82	31138	No
146	GOM_NL__2PRFIN20080213_104453_000000392066_00022_31138_5440.N1	13-FEB-2008 10:44:53	Dark	38.500	38	20Eps Sgr	1.8360	11000.	77	31138	No
147	GOM_NL__2PRFIN20080213_104654_000000402066_00022_31138_5441.N1	13-FEB-2008 10:46:54	Dark	40.000	25	35Lam Sco	1.6200	28000.	80	31138	No
148	GOM_NL__2PRFIN20080213_104813_000000402066_00022_31138_5442.N1	13-FEB-2008 10:48:13	Dark	39.500	40	The Sco	1.8590	7100.0	79	31138	No
149	GOM_NL__2PRFIN20080213_105001_000000382066_00022_31138_5443.N1	13-FEB-2008 10:50:01	Dark	38.000	147	Alp Ara	2.8770	26000.	76	31138	No
150	GOM_NL__2PRFIN20080213_105129_000000432066_00022_31138_5444.N1	13-FEB-2008 10:51:29	Dark	42.500	141	Bet Ara	2.8400	4600.0	85	31138	No
151	GOM_NL__2PRFIN20080213_105732_000000492066_00023_31139_5430.N1	13-FEB-2008 10:57:32	Dark	48.500	4	Alp1Cen	-0.010000	5800.0	97	31139	No
152	GOM_NL__2PRFIN20080213_105850_000000532066_00023_31139_5431.N1	13-FEB-2008 10:58:50	Dark	52.500	10	Bet Cen	0.61000	28000.	105	31139	No
153	GOM_NL__2PRFIN20080213_110158_000000412066_00023_31139_5432.N1	13-FEB-2008 11:01:58	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31139	No
154	GOM_NL__2PRFIN20080213_110437_000000372066_00023_31139_5433.N1	13-FEB-2008 11:04:37	Dark	37.000	29	Bet Car	1.6720	10200.	74	31139	No
155	GOM_NL__2PRFIN20080213_110712_000000382066_00023_31139_5434.N1	13-FEB-2008 11:07:12	Dark	37.500	71	lot Car	2.2460	7700.0	75	31139	No
156	GOM_NL__2PRFIN20080213_110850_000000372066_00023_31139_5435.N1	13-FEB-2008 11:08:50	Dark	37.000	46	Del Vel	1.9540	10600.	74	31139	No
157	GOM_NL__2PRFIN20080213_111115_000000402066_00023_31139_5436.N1	13-FEB-2008 11:11:15	Straylight	39.500	34	Gam2Vel	1.7930	23000.	79	31139	No
158	GOM_NL__2PRFIN20080213_111319_000000372066_00023_31139_5437.N1	13-FEB-2008 11:13:19	Straylight	36.500	70	Zet Pup	2.2460	39000.	73	31139	No
159	GOM_NL__2PRFIN20080213_111737_000000392066_00023_31139_5438.N1	13-FEB-2008 11:17:37	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	31139	No
160	GOM_NL__2PRFIN20080213_112605_000000522066_00023_31139_5439.N1	13-FEB-2008 11:26:05	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31139	No



161	GOM_NL__2PRFIN20080213_113225_000000382066_00023_31139_5440.N1	13-FEB-2008 11:32:25	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	31139	No
162	GOM_NL__2PRFIN20080213_114949_000000342066_00023_31139_5441.N1	13-FEB-2008 11:49:49	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	31139	No
163	GOM_NL__2PRFIN20080213_115639_000000372066_00023_31139_5442.N1	13-FEB-2008 11:56:39	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	31139	No
164	GOM_NL__2PRFIN20080213_120146_000000352066_00023_31139_5443.N1	13-FEB-2008 12:01:46	Bright	35.000	19	50Alp Cyg	1.2460	10500.	70	31139	No
165	GOM_NL__2PRFIN20080213_120323_000000522066_00023_31139_5444.N1	13-FEB-2008 12:03:23	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	31139	No
166	GOM_NL__2PRFIN20080213_120444_000000372066_00023_31139_5445.N1	13-FEB-2008 12:04:44	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	31139	No
167	GOM_NL__2PRFIN20080213_121135_000000352066_00023_31139_5446.N1	13-FEB-2008 12:11:35	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31139	No
168	GOM_NL__2PRFIN20080213_122247_000000422066_00023_31139_5447.N1	13-FEB-2008 12:22:47	Twilight	42.000	57	34Sig Sgr	2.0660	26000.	84	31139	No
169	GOM_NL__2PRFIN20080213_122529_000000432066_00023_31139_5448.N1	13-FEB-2008 12:25:29	Dark	42.500	38	20Eps Sgr	1.8360	11000.	85	31139	No
170	GOM_NL__2PRFIN20080213_122731_000000462066_00023_31139_5449.N1	13-FEB-2008 12:27:31	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	31139	No
171	GOM_NL__2PRFIN20080213_122850_000000452066_00023_31139_5450.N1	13-FEB-2008 12:28:50	Dark	45.000	40	The Sco	1.8590	7100.0	90	31139	No
172	GOM_NL__2PRFIN20080213_123037_000000392066_00023_31139_5451.N1	13-FEB-2008 12:30:37	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31139	No
173	GOM_NL__2PRFIN20080213_123205_000000392066_00023_31139_5452.N1	13-FEB-2008 12:32:05	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	31139	No
174	GOM_NL__2PRFIN20080213_123808_000000432066_00024_31140_5438.N1	13-FEB-2008 12:38:08	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31140	No
175	GOM_NL__2PRFIN20080213_123926_000000432066_00024_31140_5439.N1	13-FEB-2008 12:39:26	Dark	42.500	10	Bet Cen	0.61000	28000.	85	31140	No
176	GOM_NL__2PRFIN20080213_124235_000000422066_00024_31140_5440.N1	13-FEB-2008 12:42:35	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	31140	No
177	GOM_NL__2PRFIN20080213_124513_000000382066_00024_31140_5441.N1	13-FEB-2008 12:45:13	Dark	37.500	29	Bet Car	1.6720	10200.	75	31140	No
178	GOM_NL__2PRFIN20080213_124748_000000382066_00024_31140_5442.N1	13-FEB-2008 12:47:48	Dark	37.500	71	lot Car	2.2460	7700.0	75	31140	No
179	GOM_NL__2PRFIN20080213_124926_000000382066_00024_31140_5443.N1	13-FEB-2008 12:49:26	Dark	38.000	46	Del Vel	1.9540	10600.	76	31140	No
180	GOM_NL__2PRFIN20080213_125151_000000412066_00024_31140_5444.N1	13-FEB-2008 12:51:51	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31140	No
181	GOM_NL__2PRFIN20080213_125355_000000392066_00024_31140_5445.N1	13-FEB-2008 12:53:55	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	31140	No
182	GOM_NL__2PRFIN20080213_125813_000000412066_00024_31140_5446.N1	13-FEB-2008 12:58:13	Straylight	40.500	132	15Rho Pup	2.8030	6900.0	81	31140	No
183	GOM_NL__2PRFIN20080213_130641_000000522066_00024_31140_5447.N1	13-FEB-2008 13:06:41	Bright	51.500	8	10Alp CMi	0.40000	6500.0	103	31140	No
184	GOM_NL__2PRFIN20080213_131300_000000392066_00024_31140_5448.N1	13-FEB-2008 13:13:00	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	31140	No
185	GOM_NL__2PRFIN20080213_133025_000000362066_00024_31140_5449.N1	13-FEB-2008 13:30:25	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31140	No
186	GOM_NL__2PRFIN20080213_133715_000000362066_00024_31140_5450.N1	13-FEB-2008 13:37:15	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31140	No
187	GOM_NL__2PRFIN20080213_134222_000000362066_00024_31140_5451.N1	13-FEB-2008 13:42:22	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31140	No
188	GOM_NL__2PRFIN20080213_134400_000000342066_00024_31140_5452.N1	13-FEB-2008 13:44:00	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31140	No
189	GOM_NL__2PRFIN20080213_135211_000000352066_00024_31140_5453.N1	13-FEB-2008 13:52:11	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31140	No
190	GOM_NL__2PRFIN20080213_140323_000000402066_00024_31140_5454.N1	13-FEB-2008 14:03:23	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	31140	No
191	GOM_NL__2PRFIN20080213_140605_000000402066_00024_31140_5455.N1	13-FEB-2008 14:06:05	Dark	39.500	38	20Eps Sgr	1.8360	11000.	79	31140	No
192	GOM_NL__2PRFIN20080213_140807_000000462066_00024_31140_5456.N1	13-FEB-2008 14:08:07	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	31140	No
193	GOM_NL__2PRFIN20080213_140926_000000452066_00024_31140_5457.N1	13-FEB-2008 14:09:26	Dark	44.500	40	The Sco	1.8590	7100.0	89	31140	No
194	GOM_NL__2PRFIN20080213_141113_000000372066_00024_31140_5458.N1	13-FEB-2008 14:11:13	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31140	No
195	GOM_NL__2PRFIN20080213_141242_000000452066_00024_31140_5459.N1	13-FEB-2008 14:12:42	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	31140	No
196	GOM_NL__2PRFIN20080213_141844_000000432066_00025_31141_5445.N1	13-FEB-2008 14:18:44	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31141	No
197	GOM_NL__2PRFIN20080213_142003_000000422066_00025_31141_5446.N1	13-FEB-2008 14:20:03	Dark	41.500	10	Bet Cen	0.61000	28000.	83	31141	No
198	GOM_NL__2PRFIN20080213_142311_000000412066_00025_31141_5447.N1	13-FEB-2008 14:23:11	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31141	No
199	GOM_NL__2PRFIN20080213_142549_000000382066_00025_31141_5448.N1	13-FEB-2008 14:25:49	Dark	38.000	29	Bet Car	1.6720	10200.	76	31141	No
200	GOM_NL__2PRFIN20080213_142824_000000382066_00025_31141_5449.N1	13-FEB-2008 14:28:24	Dark	38.000	71	lot Car	2.2460	7700.0	76	31141	No
201	GOM_NL__2PRFIN20080213_143003_000000392066_00025_31141_5450.N1	13-FEB-2008 14:30:03	Dark	38.500	46	Del Vel	1.9540	10600.	77	31141	No
202	GOM_NL__2PRFIN20080213_143227_000000432066_00025_31141_5451.N1	13-FEB-2008 14:32:27	Straylight	42.500	34	Gam2Vel	1.7930	23000.	85	31141	No
203	GOM_NL__2PRFIN20080213_143431_000000382066_00025_31141_5452.N1	13-FEB-2008 14:34:31	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	31141	No
204	GOM_NL__2PRFIN20080213_143849_000000422066_00025_31141_5453.N1	13-FEB-2008 14:38:49	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	31141	No
205	GOM_NL__2PRFIN20080213_144717_000000492066_00025_31141_5454.N1	13-FEB-2008 14:47:17	Bright	48.500	8	10Alp CMi	0.40000	6500.0	97	31141	No
206	GOM_NL__2PRFIN20080213_145336_000000392066_00025_31141_5455.N1	13-FEB-2008 14:53:36	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	31141	No
207	GOM_NL__2PRFIN20080213_151101_000000332066_00025_31141_5456.N1	13-FEB-2008 15:11:01	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	31141	No
208	GOM_NL__2PRFIN20080213_151751_000000352066_00025_31141_5457.N1	13-FEB-2008 15:17:51	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	31141	No
209	GOM_NL__2PRFIN20080213_152258_000000372066_00025_31141_5458.N1	13-FEB-2008 15:22:58	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	31141	No
210	GOM_NL__2PRFIN20080213_152436_000000352066_00025_31141_5459.N1	13-FEB-2008 15:24:36	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31141	No
211	GOM_NL__2PRFIN20080213_153247_000000352066_00025_31141_5460.N1	13-FEB-2008 15:32:47	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31141	No
212	GOM_NL__2PRFIN20080213_154359_000000392066_00025_31141_5461.N1	13-FEB-2008 15:43:59	Twilight	38.500	57	34Sig Sgr	2.0660	26000.	77	31141	No
213	GOM_NL__2PRFIN20080213_154642_000000402066_00025_31141_5462.N1	13-FEB-2008 15:46:42	Dark	40.000	38	20Eps Sgr	1.8360	11000.	80	31141	No
214	GOM_NL__2PRFIN20080213_154844_000000442066_00025_31141_5463.N1	13-FEB-2008 15:48:44	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	31141	No
215	GOM_NL__2PRFIN20080213_155003_000000442066_00025_31141_5464.N1	13-FEB-2008 15:50:03	Dark	44.000	40	The Sco	1.8590	7100.0	88	31141	No
216	GOM_NL__2PRFIN20080213_155150_000000372066_00025_31141_5465.N1	13-FEB-2008 15:51:50	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31141	No
217	GOM_NL__2PRFIN20080213_155319_000000382066_00025_31141_5466.N1	13-FEB-2008 15:53:19	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	31141	No
218	GOM_NL__2PRFIN20080213_155921_000000432066_00026_31142_5470.N1	13-FEB-2008 15:59:21	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31142	No
219	GOM_NL__2PRFIN20080213_160040_000000432066_00026_31142_5471.N1	13-FEB-2008 16:00:40	Dark	43.000	10	Bet Cen	0.61000	28000.	86	31142	No

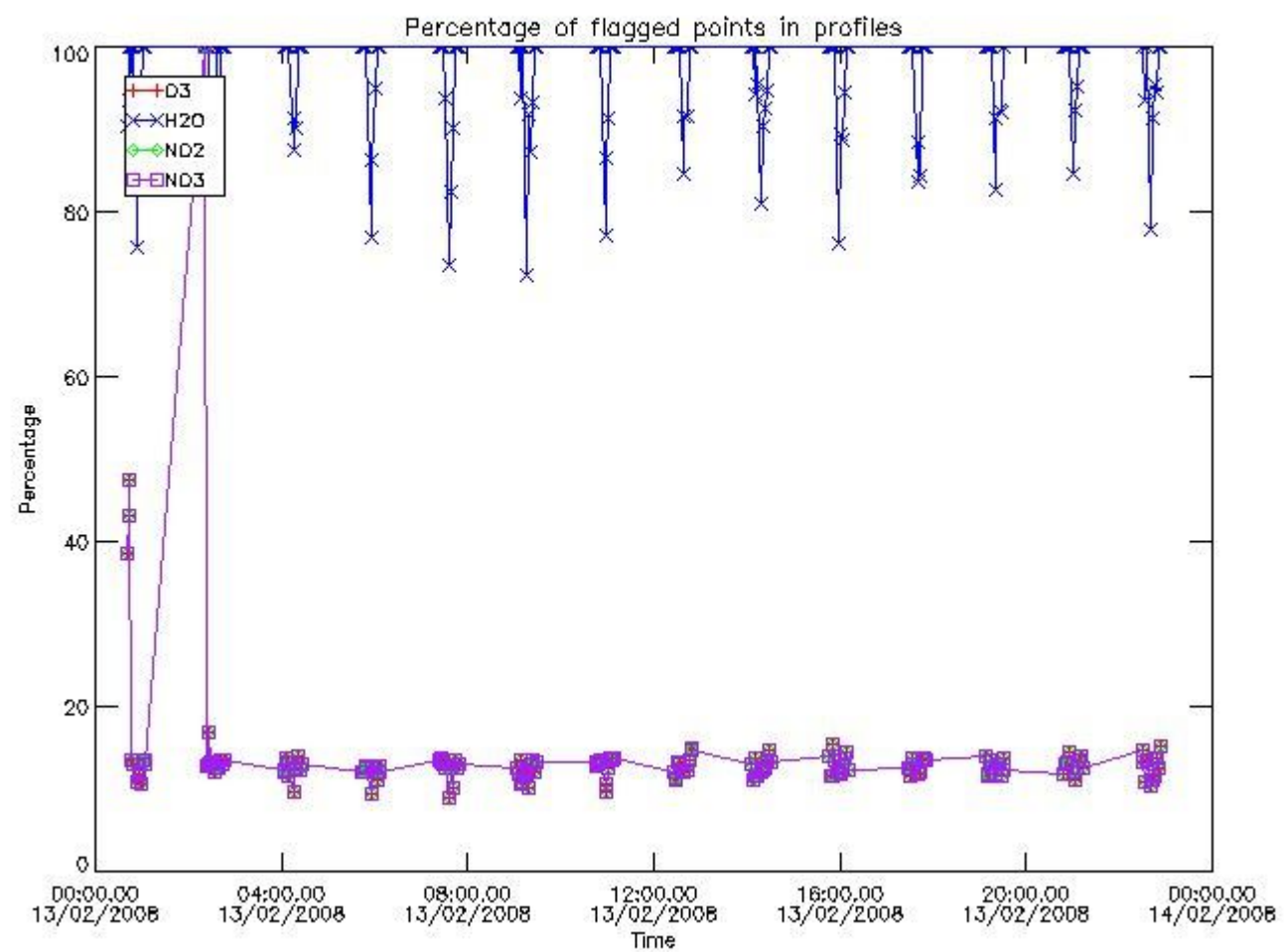
220	GOM_NL__2PRFIN20080213_160348_000000402066_00026_31142_5472.N1	13-FEB-2008 16:03:48	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	31142	No
221	GOM_NL__2PRFIN20080213_160625_000000372066_00026_31142_5473.N1	13-FEB-2008 16:06:25	Dark	37.000	29	Bet Car	1.6720	10200.	74	31142	No
222	GOM_NL__2PRFIN20080213_160901_000000392066_00026_31142_5474.N1	13-FEB-2008 16:09:01	Dark	39.000	71	lot Car	2.2460	7700.0	78	31142	No
223	GOM_NL__2PRFIN20080213_161039_000000422066_00026_31142_5475.N1	13-FEB-2008 16:10:39	Dark	41.500	46	Del Vel	1.9540	10600.	83	31142	No
224	GOM_NL__2PRFIN20080213_161303_000000412066_00026_31142_5476.N1	13-FEB-2008 16:13:03	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31142	No
225	GOM_NL__2PRFIN20080213_161508_000000392066_00026_31142_5477.N1	13-FEB-2008 16:15:08	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	31142	No
226	GOM_NL__2PRFIN20080213_161925_000000382066_00026_31142_5478.N1	13-FEB-2008 16:19:25	Straylight	38.000	132	15Rho Pup	2.8030	6900.0	76	31142	No
227	GOM_NL__2PRFIN20080213_162754_000000502066_00026_31142_5479.N1	13-FEB-2008 16:27:54	Bright	50.000	8	10Alp CMi	0.40000	6500.0	100	31142	No
228	GOM_NL__2PRFIN20080213_163413_000000522066_00026_31142_5480.N1	13-FEB-2008 16:34:13	Bright	52.000	17	78Bet Gem	1.1610	4500.0	104	31142	No
229	GOM_NL__2PRFIN20080213_165137_000000362066_00026_31142_5481.N1	13-FEB-2008 16:51:37	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31142	No
230	GOM_NL__2PRFIN20080213_165828_000000362066_00026_31142_5482.N1	13-FEB-2008 16:58:28	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31142	No
231	GOM_NL__2PRFIN20080213_170335_000000352066_00026_31142_5483.N1	13-FEB-2008 17:03:35	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	31142	No
232	GOM_NL__2PRFIN20080213_170513_000000332066_00026_31142_5484.N1	13-FEB-2008 17:05:13	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	31142	No
233	GOM_NL__2PRFIN20080213_171324_000000342066_00026_31142_5485.N1	13-FEB-2008 17:13:24	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31142	No
234	GOM_NL__2PRFIN20080213_172435_000000412066_00026_31142_5486.N1	13-FEB-2008 17:24:35	Twilight	41.000	57	34Sig Sgr	2.0660	26000.	82	31142	No
235	GOM_NL__2PRFIN20080213_172719_000000412066_00026_31142_5487.N1	13-FEB-2008 17:27:19	Dark	41.000	38	20Eps Sgr	1.8360	11000.	82	31142	No
236	GOM_NL__2PRFIN20080213_172921_000000412066_00026_31142_5488.N1	13-FEB-2008 17:29:21	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	31142	No
237	GOM_NL__2PRFIN20080213_173040_000000442066_00026_31142_5489.N1	13-FEB-2008 17:30:40	Dark	44.000	40	The Sco	1.8590	7100.0	88	31142	No
238	GOM_NL__2PRFIN20080213_173227_000000372066_00026_31142_5490.N1	13-FEB-2008 17:32:27	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31142	No
239	GOM_NL__2PRFIN20080213_173355_000000392066_00026_31142_5491.N1	13-FEB-2008 17:33:55	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	31142	No
240	GOM_NL__2PRFIN20080213_173958_000000432066_00027_31143_5484.N1	13-FEB-2008 17:39:58	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	31143	No
241	GOM_NL__2PRFIN20080213_174116_000000442066_00027_31143_5485.N1	13-FEB-2008 17:41:16	Dark	43.500	10	Bet Cen	0.61000	28000.	87	31143	No
242	GOM_NL__2PRFIN20080213_174425_000000422066_00027_31143_5486.N1	13-FEB-2008 17:44:25	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	31143	No
243	GOM_NL__2PRFIN20080213_174702_000000372066_00027_31143_5487.N1	13-FEB-2008 17:47:02	Dark	37.000	29	Bet Car	1.6720	10200.	74	31143	No
244	GOM_NL__2PRFIN20080213_174937_000000372066_00027_31143_5488.N1	13-FEB-2008 17:49:37	Dark	37.000	71	lot Car	2.2460	7700.0	74	31143	No
245	GOM_NL__2PRFIN20080213_175116_000000382066_00027_31143_5489.N1	13-FEB-2008 17:51:16	Dark	37.500	46	Del Vel	1.9540	10600.	75	31143	No
246	GOM_NL__2PRFIN20080213_175340_000000422066_00027_31143_5490.N1	13-FEB-2008 17:53:40	Straylight	42.000	34	Gam2Vel	1.7930	23000.	84	31143	No
247	GOM_NL__2PRFIN20080213_175544_000000402066_00027_31143_5491.N1	13-FEB-2008 17:55:44	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	31143	No
248	GOM_NL__2PRFIN20080213_180002_000000402066_00027_31143_5492.N1	13-FEB-2008 18:00:02	Straylight	39.500	132	15Rho Pup	2.8030	6900.0	79	31143	No
249	GOM_NL__2PRFIN20080213_180830_000000522066_00027_31143_5493.N1	13-FEB-2008 18:08:30	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31143	No
250	GOM_NL__2PRFIN20080213_181449_000000382066_00027_31143_5494.N1	13-FEB-2008 18:14:49	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31143	No
251	GOM_NL__2PRFIN20080213_183213_000000352066_00027_31143_5495.N1	13-FEB-2008 18:32:13	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	31143	No
252	GOM_NL__2PRFIN20080213_183904_000000362066_00027_31143_5496.N1	13-FEB-2008 18:39:04	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31143	No
253	GOM_NL__2PRFIN20080213_184411_000000342066_00027_31143_5497.N1	13-FEB-2008 18:44:11	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	31143	No
254	GOM_NL__2PRFIN20080213_184549_000000352066_00027_31143_5498.N1	13-FEB-2008 18:45:49	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	31143	No
255	GOM_NL__2PRFIN20080213_185400_000000342066_00027_31143_5499.N1	13-FEB-2008 18:54:00	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31143	No
256	GOM_NL__2PRFIN20080213_190512_000000392066_00027_31143_5500.N1	13-FEB-2008 19:05:12	Twilight	39.000	57	34Sig Sgr	2.0660	26000.	78	31143	No
257	GOM_NL__2PRFIN20080213_190755_000000372066_00027_31143_5501.N1	13-FEB-2008 19:07:55	Dark	36.500	38	20Eps Sgr	1.8360	11000.	73	31143	No
258	GOM_NL__2PRFIN20080213_190957_000000442066_00027_31143_5502.N1	13-FEB-2008 19:09:57	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	31143	No
259	GOM_NL__2PRFIN20080213_191116_000000452066_00027_31143_5503.N1	13-FEB-2008 19:11:16	Dark	44.500	40	The Sco	1.8590	7100.0	89	31143	No
260	GOM_NL__2PRFIN20080213_191303_000000382066_00027_31143_5504.N1	13-FEB-2008 19:13:03	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31143	No
261	GOM_NL__2PRFIN20080213_191431_000000412066_00027_31143_5505.N1	13-FEB-2008 19:14:31	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	31143	No
262	GOM_NL__2PRFIN20080213_192035_000000442066_00028_31144_5519.N1	13-FEB-2008 19:20:35	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	31144	No
263	GOM_NL__2PRFIN20080213_192153_000000412066_00028_31144_5520.N1	13-FEB-2008 19:21:53	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31144	No
264	GOM_NL__2PRFIN20080213_192501_000000392066_00028_31144_5521.N1	13-FEB-2008 19:25:01	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	31144	No
265	GOM_NL__2PRFIN20080213_192738_000000442066_00028_31144_5522.N1	13-FEB-2008 19:27:38	Dark	44.000	29	Bet Car	1.6720	10200.	88	31144	No
266	GOM_NL__2PRFIN20080213_193013_000000372066_00028_31144_5523.N1	13-FEB-2008 19:30:13	Dark	37.000	71	lot Car	2.2460	7700.0	74	31144	No
267	GOM_NL__2PRFIN20080213_193152_000000422066_00028_31144_5524.N1	13-FEB-2008 19:31:52	Dark	41.500	46	Del Vel	1.9540	10600.	83	31144	No
268	GOM_NL__2PRFIN20080213_193416_000000402066_00028_31144_5525.N1	13-FEB-2008 19:34:16	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	31144	No
269	GOM_NL__2PRFIN20080213_193620_000000402066_00028_31144_5526.N1	13-FEB-2008 19:36:20	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	31144	No
270	GOM_NL__2PRFIN20080213_194038_000000392066_00028_31144_5527.N1	13-FEB-2008 19:40:38	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31144	No
271	GOM_NL__2PRFIN20080213_194906_000000522066_00028_31144_5528.N1	13-FEB-2008 19:49:06	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31144	No
272	GOM_NL__2PRFIN20080213_195525_000000372066_00028_31144_5529.N1	13-FEB-2008 19:55:25	Bright	37.000	17	78Bet Gem	1.1610	4500.0	74	31144	No
273	GOM_NL__2PRFIN20080213_201249_000000362066_00028_31144_5530.N1	13-FEB-2008 20:12:49	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31144	No
274	GOM_NL__2PRFIN20080213_201940_000000362066_00028_31144_5531.N1	13-FEB-2008 20:19:40	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31144	No
275	GOM_NL__2PRFIN20080213_202447_000000342066_00028_31144_5532.N1	13-FEB-2008 20:24:47	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	31144	No
276	GOM_NL__2PRFIN20080213_202625_000000332066_00028_31144_5533.N1	13-FEB-2008 20:26:25	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	31144	No
277	GOM_NL__2PRFIN20080213_203436_000000352066_00028_31144_5534.N1	13-FEB-2008 20:34:36	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31144	No
278	GOM_NL__2PRFIN20080213_204548_000000402066_00028_31144_5535.N1	13-FEB-2008 20:45:48	Twilight	40.000	57	34Sig Sgr	2.0660	26000.	80	31144	No

279	GOM_NL__2PRFIN20080213_204831_000000432066_00028_31144_5536.N1	13-FEB-2008 20:48:31	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	31144	No
280	GOM_NL__2PRFIN20080213_205034_000000392066_00028_31144_5537.N1	13-FEB-2008 20:50:34	Dark	39.000	25	35Lam Sco	1.6200	28000.	78	31144	No
281	GOM_NL__2PRFIN20080213_205152_000000402066_00028_31144_5538.N1	13-FEB-2008 20:51:52	Dark	39.500	40	The Sco	1.8590	7100.0	79	31144	No
282	GOM_NL__2PRFIN20080213_205340_000000392066_00028_31144_5539.N1	13-FEB-2008 20:53:40	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31144	No
283	GOM_NL__2PRFIN20080213_205508_000000392066_00028_31144_5540.N1	13-FEB-2008 20:55:08	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	31144	No
284	GOM_NL__2PRFIN20080213_210111_000000432066_00029_31145_5535.N1	13-FEB-2008 21:01:11	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31145	No
285	GOM_NL__2PRFIN20080213_210229_000000462066_00029_31145_5536.N1	13-FEB-2008 21:02:29	Dark	45.500	10	Bet Cen	0.61000	28000.	91	31145	No
286	GOM_NL__2PRFIN20080213_210538_000000412066_00029_31145_5537.N1	13-FEB-2008 21:05:38	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31145	No
287	GOM_NL__2PRFIN20080213_210814_000000382066_00029_31145_5538.N1	13-FEB-2008 21:08:14	Dark	38.000	29	Bet Car	1.6720	10200.	76	31145	No
288	GOM_NL__2PRFIN20080213_211049_000000372066_00029_31145_5539.N1	13-FEB-2008 21:10:49	Dark	36.500	71	lot Car	2.2460	7700.0	73	31145	No
289	GOM_NL__2PRFIN20080213_211228_000000402066_00029_31145_5540.N1	13-FEB-2008 21:12:28	Dark	40.000	46	Del Vel	1.9540	10600.	80	31145	No
290	GOM_NL__2PRFIN20080213_211452_000000412066_00029_31145_5541.N1	13-FEB-2008 21:14:52	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31145	No
291	GOM_NL__2PRFIN20080213_211656_000000382066_00029_31145_5542.N1	13-FEB-2008 21:16:56	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	31145	No
292	GOM_NL__2PRFIN20080213_212114_000000382066_00029_31145_5543.N1	13-FEB-2008 21:21:14	Straylight	38.000	132	15Rho Pup	2.8030	6900.0	76	31145	No
293	GOM_NL__2PRFIN20080213_212942_000000522066_00029_31145_5544.N1	13-FEB-2008 21:29:42	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31145	No
294	GOM_NL__2PRFIN20080213_213601_000000382066_00029_31145_5545.N1	13-FEB-2008 21:36:01	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	31145	No
295	GOM_NL__2PRFIN20080213_215325_000000372066_00029_31145_5546.N1	13-FEB-2008 21:53:25	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	31145	No
296	GOM_NL__2PRFIN20080213_220016_000000362066_00029_31145_5547.N1	13-FEB-2008 22:00:16	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31145	No
297	GOM_NL__2PRFIN20080213_220524_000000342066_00029_31145_5548.N1	13-FEB-2008 22:05:24	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	31145	No
298	GOM_NL__2PRFIN20080213_220701_000000332066_00029_31145_5549.N1	13-FEB-2008 22:07:01	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	31145	No
299	GOM_NL__2PRFIN20080213_221512_000000332066_00029_31145_5550.N1	13-FEB-2008 22:15:12	Bright	32.500	168	17Zet Aql	2.9860	11000.	65	31145	No
300	GOM_NL__2PRFIN20080213_222624_000000422066_00029_31145_5551.N1	13-FEB-2008 22:26:24	Twilight	42.000	57	34Sig Sgr	2.0660	26000.	84	31145	No
301	GOM_NL__2PRFIN20080213_222907_000000382066_00029_31145_5552.N1	13-FEB-2008 22:29:07	Dark	38.000	38	20Eps Sgr	1.8360	11000.	76	31145	No
302	GOM_NL__2PRFIN20080213_223110_000000422066_00029_31145_5553.N1	13-FEB-2008 22:31:10	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31145	No
303	GOM_NL__2PRFIN20080213_223229_000000472066_00029_31145_5554.N1	13-FEB-2008 22:32:29	Dark	46.500	40	The Sco	1.8590	7100.0	93	31145	No
304	GOM_NL__2PRFIN20080213_223416_000000382066_00029_31145_5555.N1	13-FEB-2008 22:34:16	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31145	No
305	GOM_NL__2PRFIN20080213_223544_000000382066_00029_31145_5556.N1	13-FEB-2008 22:35:44	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31145	No
306	GOM_NL__2PRFIN20080213_224148_000000552066_00030_31146_5547.N1	13-FEB-2008 22:41:48	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	31146	No
307	GOM_NL__2PRFIN20080213_224306_000000462066_00030_31146_5548.N1	13-FEB-2008 22:43:06	Dark	46.000	10	Bet Cen	0.61000	28000.	92	31146	No
308	GOM_NL__2PRFIN20080213_224614_000000452066_00030_31146_5549.N1	13-FEB-2008 22:46:14	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	31146	No
309	GOM_NL__2PRFIN20080213_224850_000000372066_00030_31146_5550.N1	13-FEB-2008 22:48:50	Dark	37.000	29	Bet Car	1.6720	10200.	74	31146	No
310	GOM_NL__2PRFIN20080213_225125_000000412066_00030_31146_5551.N1	13-FEB-2008 22:51:25	Dark	41.000	71	lot Car	2.2460	7700.0	82	31146	No
311	GOM_NL__2PRFIN20080213_225304_000000372066_00030_31146_5552.N1	13-FEB-2008 22:53:04	Dark	37.000	46	Del Vel	1.9540	10600.	74	31146	No
312	GOM_NL__2PRFIN20080213_225528_000000412066_00030_31146_5553.N1	13-FEB-2008 22:55:28	Straylight	41.000	34	Gam2Vel	1.7930	23000.	82	31146	No
313	GOM_NL__2PRFIN20080213_225732_000000372066_00030_31146_5554.N1	13-FEB-2008 22:57:32	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	31146	No
314	GOM_NL__2PRFIN20080213_230150_000000392066_00030_31146_5555.N1	13-FEB-2008 23:01:50	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31146	No
315	GOM_NL__2PRFIN20080213_231018_000000462066_00030_31146_5556.N1	13-FEB-2008 23:10:18	Bright	46.000	8	10Alp CMi	0.40000	6500.0	92	31146	No
316	GOM_NL__2PRFIN20080213_231637_000000382066_00030_31146_5557.N1	13-FEB-2008 23:16:37	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31146	No
317	GOM_NL__2PRFIN20080213_233401_000000352066_00030_31146_5558.N1	13-FEB-2008 23:34:01	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	31146	No
318	GOM_NL__2PRFIN20080213_234052_000000332066_00030_31146_5559.N1	13-FEB-2008 23:40:52	Bright	32.500	89	5Alp Cep	2.4510	8000.0	65	31146	No
319	GOM_NL__2PRFIN20080213_234600_000000342066_00030_31146_5560.N1	13-FEB-2008 23:46:00	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	31146	No
320	GOM_NL__2PRFIN20080213_234737_000000352066_00030_31146_5561.N1	13-FEB-2008 23:47:37	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31146	No
321	GOM_NL__2PRFIN20080213_235548_000000342066_00030_31146_5562.N1	13-FEB-2008 23:55:48	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31146	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.

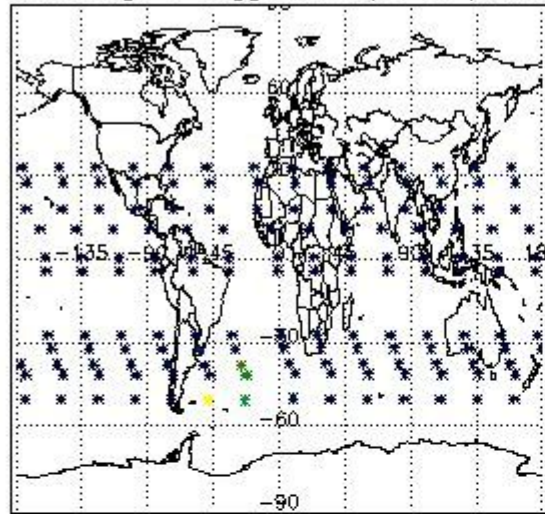
#### 3.1 Plot quality information per product (time dependant)



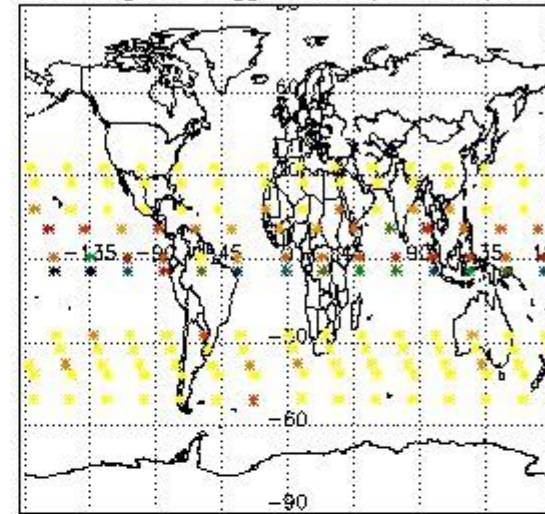
*3.2 Plot quality information per product (world map)*



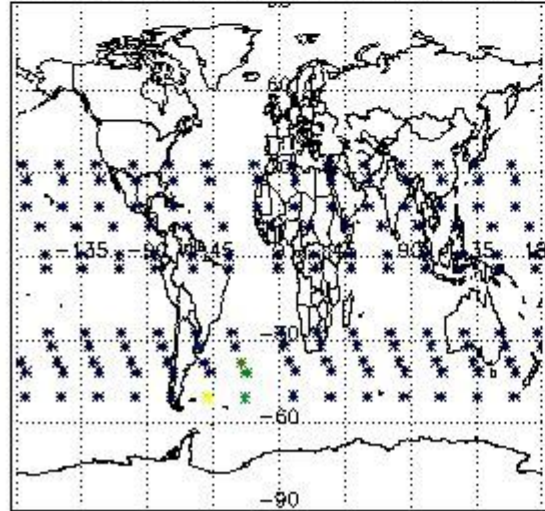
Percentage of flagged data per O3 profile



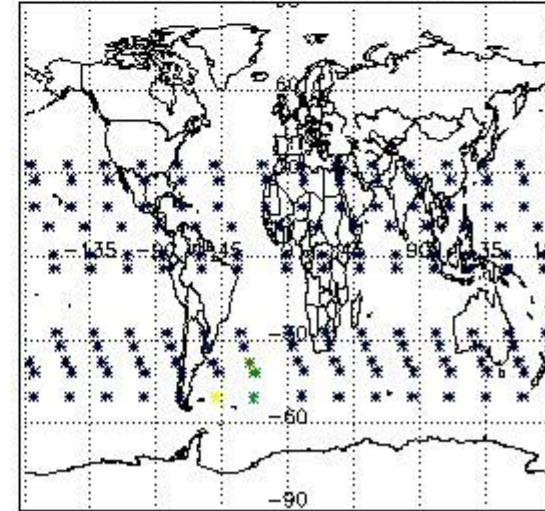
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

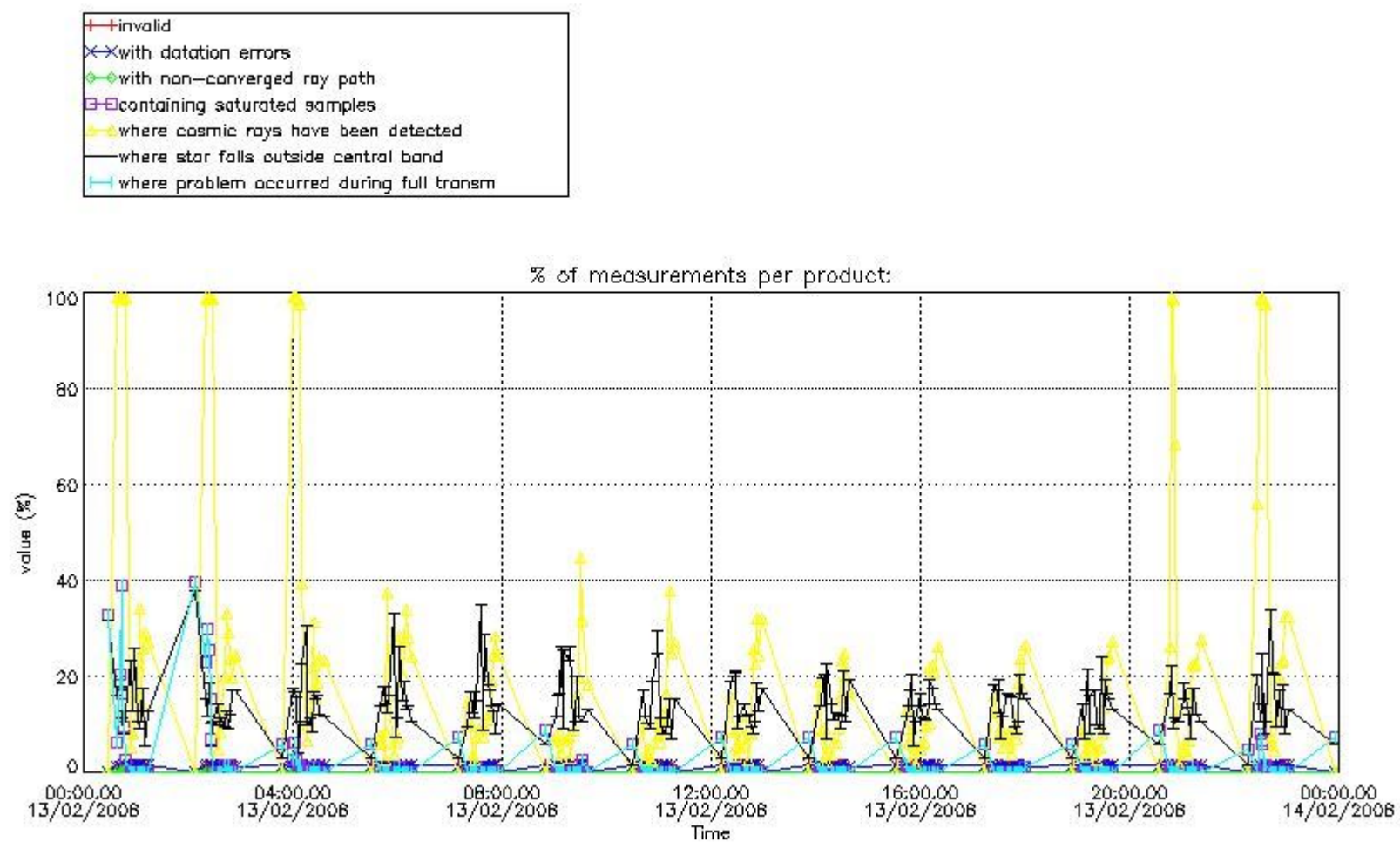


#### 4. Level 1 quality information per product

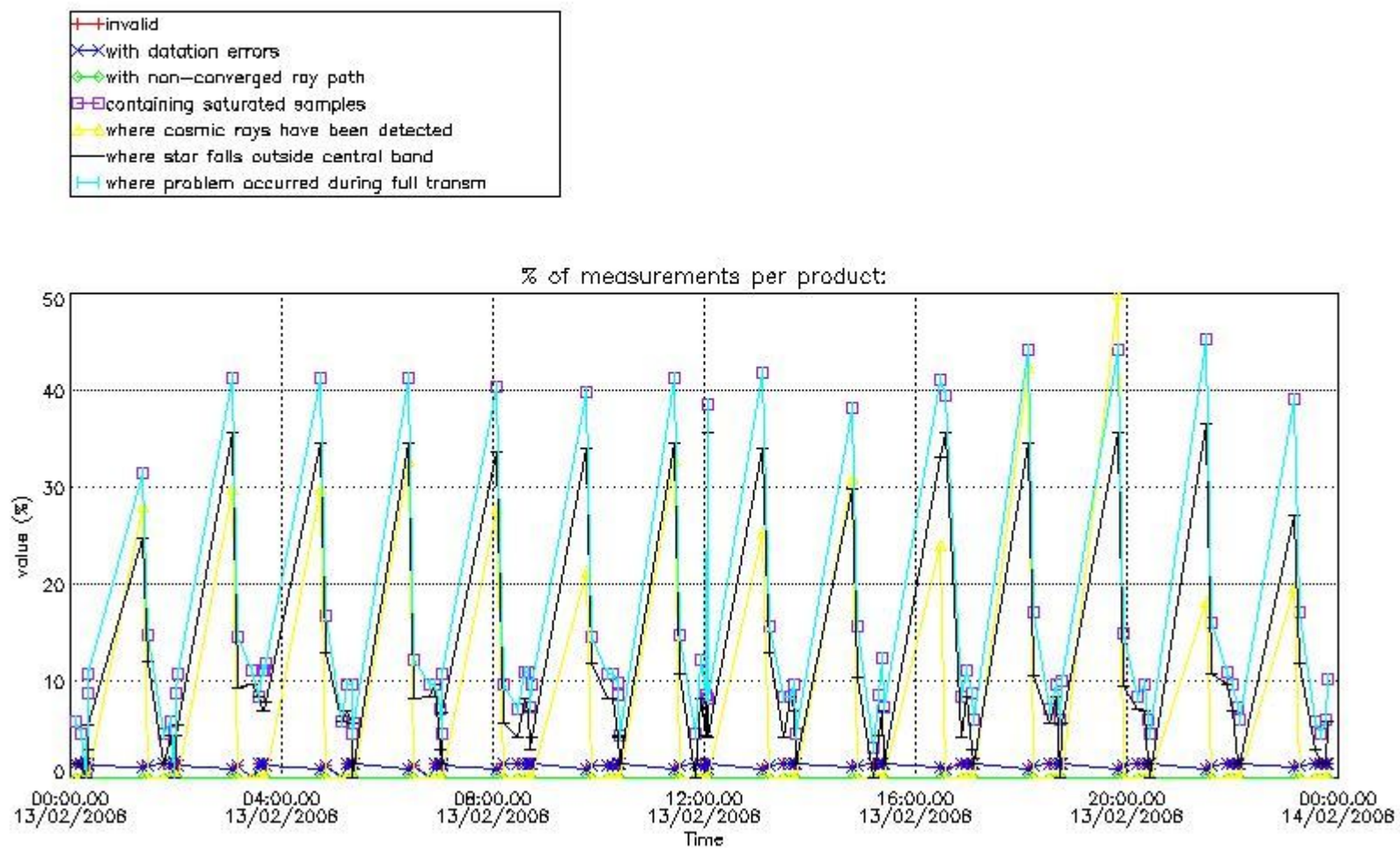
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



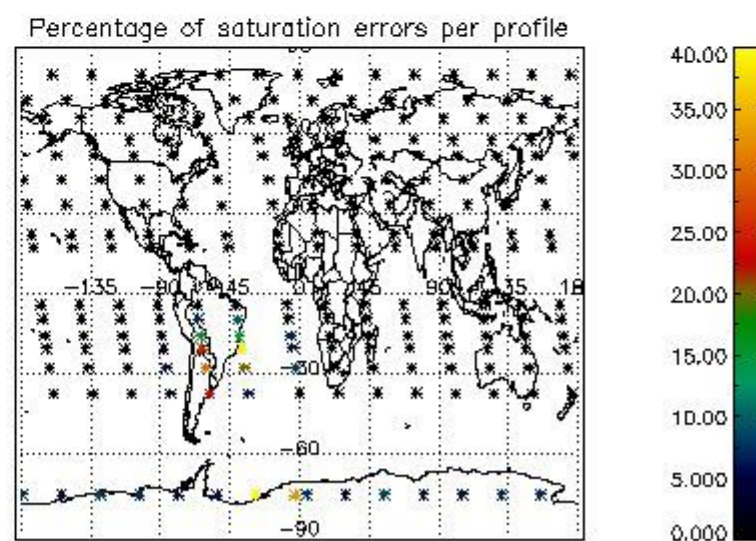
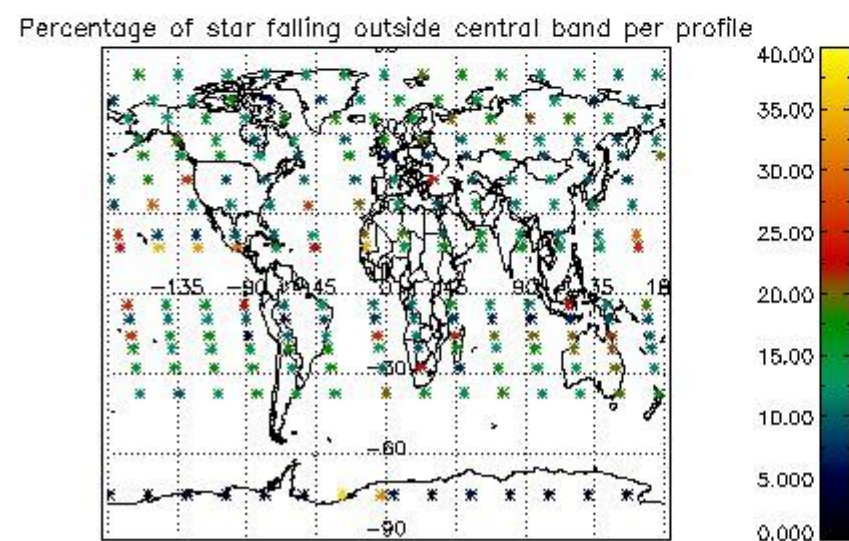
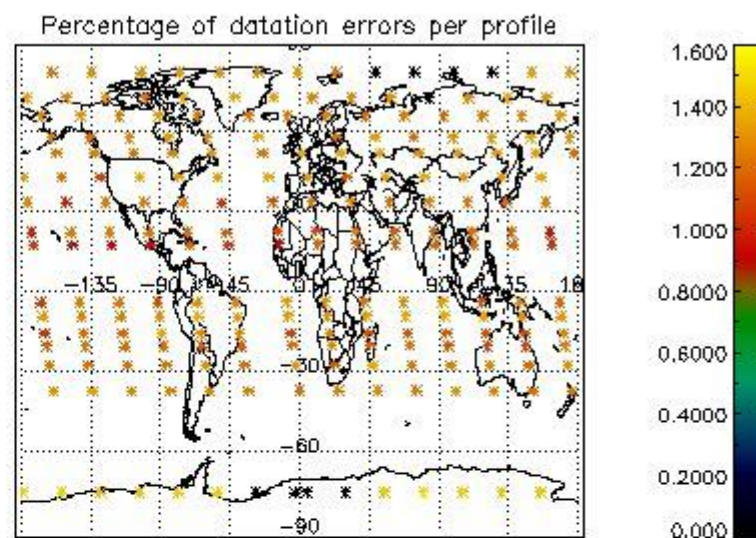
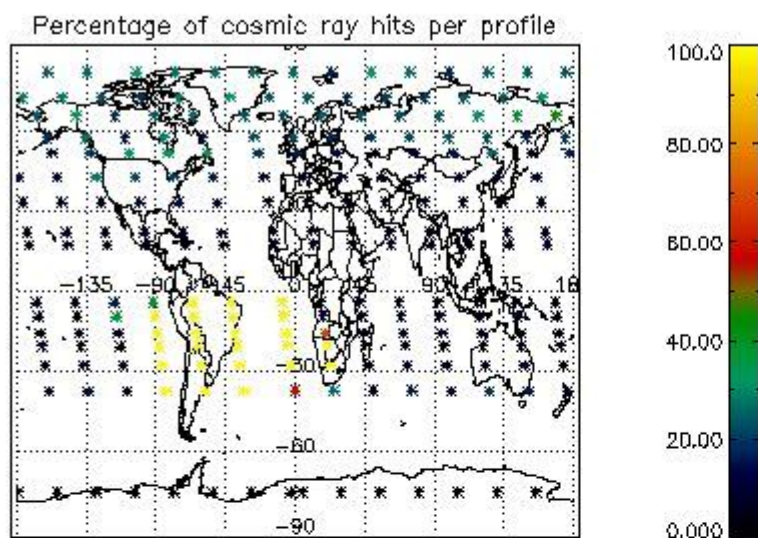
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



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

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

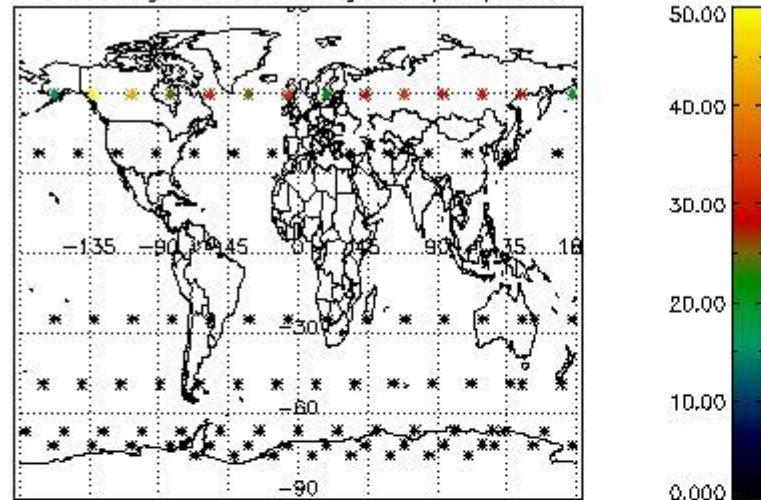




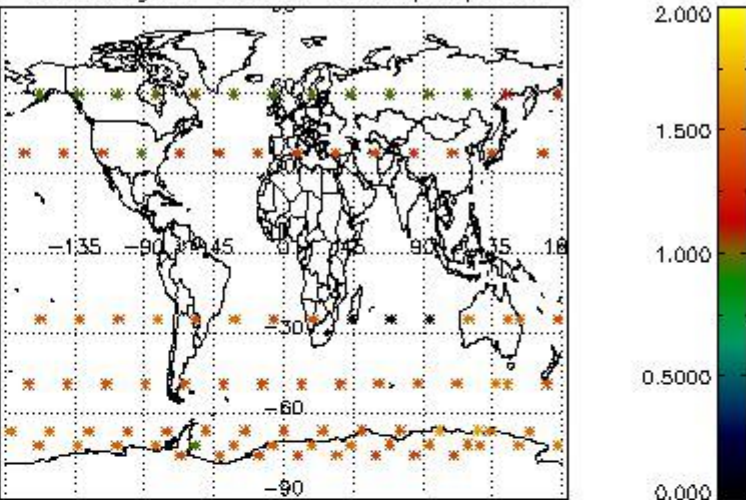
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



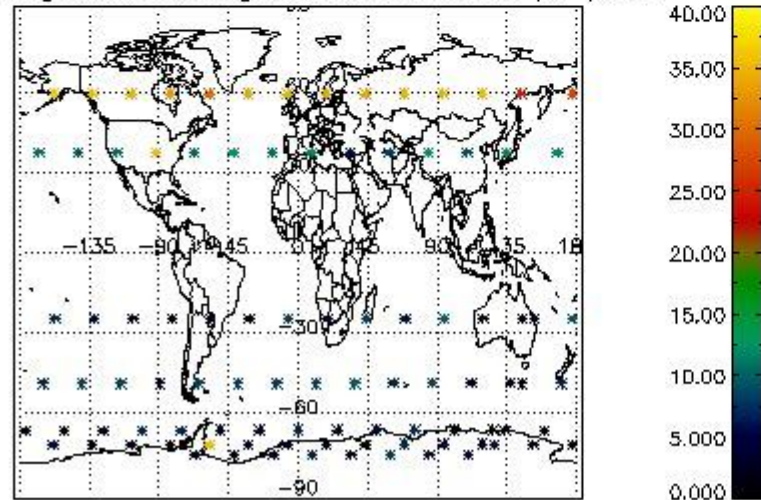
Percentage of cosmic ray hits per profile



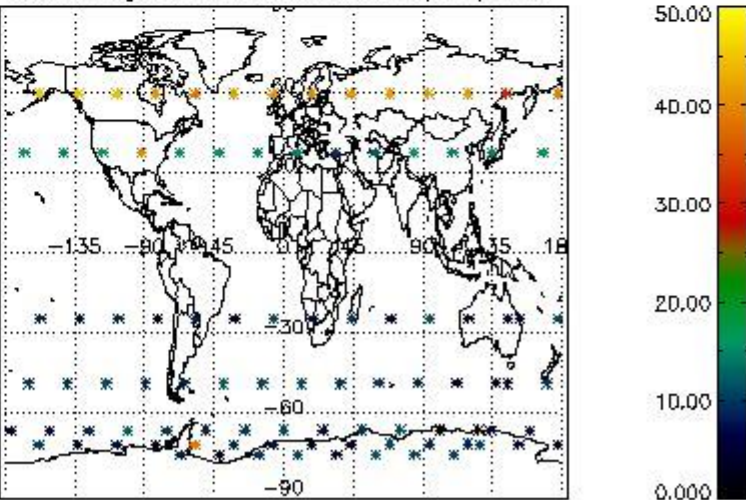
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

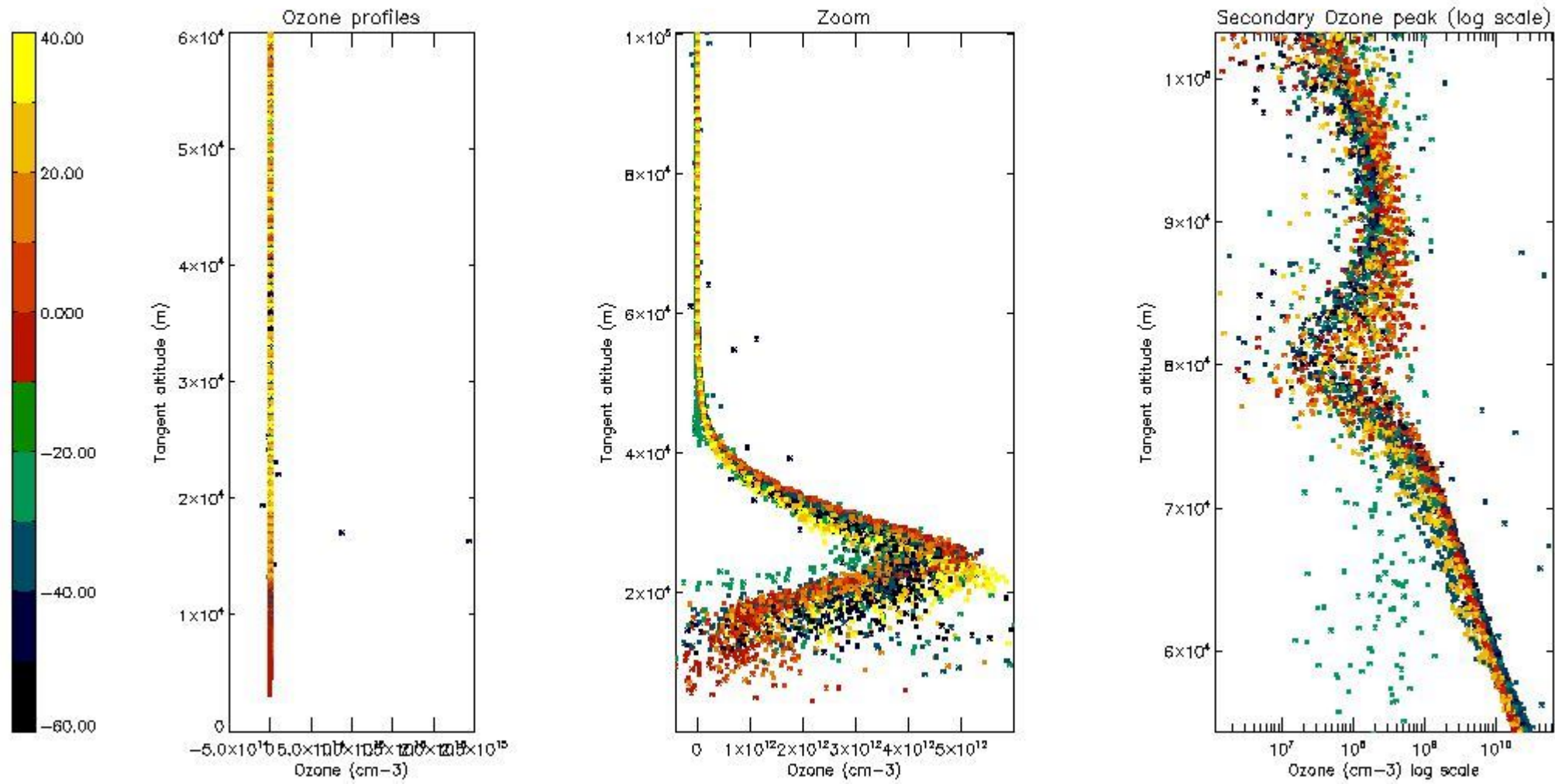
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	51
STD < 20	29

STD < 10	24
STD < 5	17

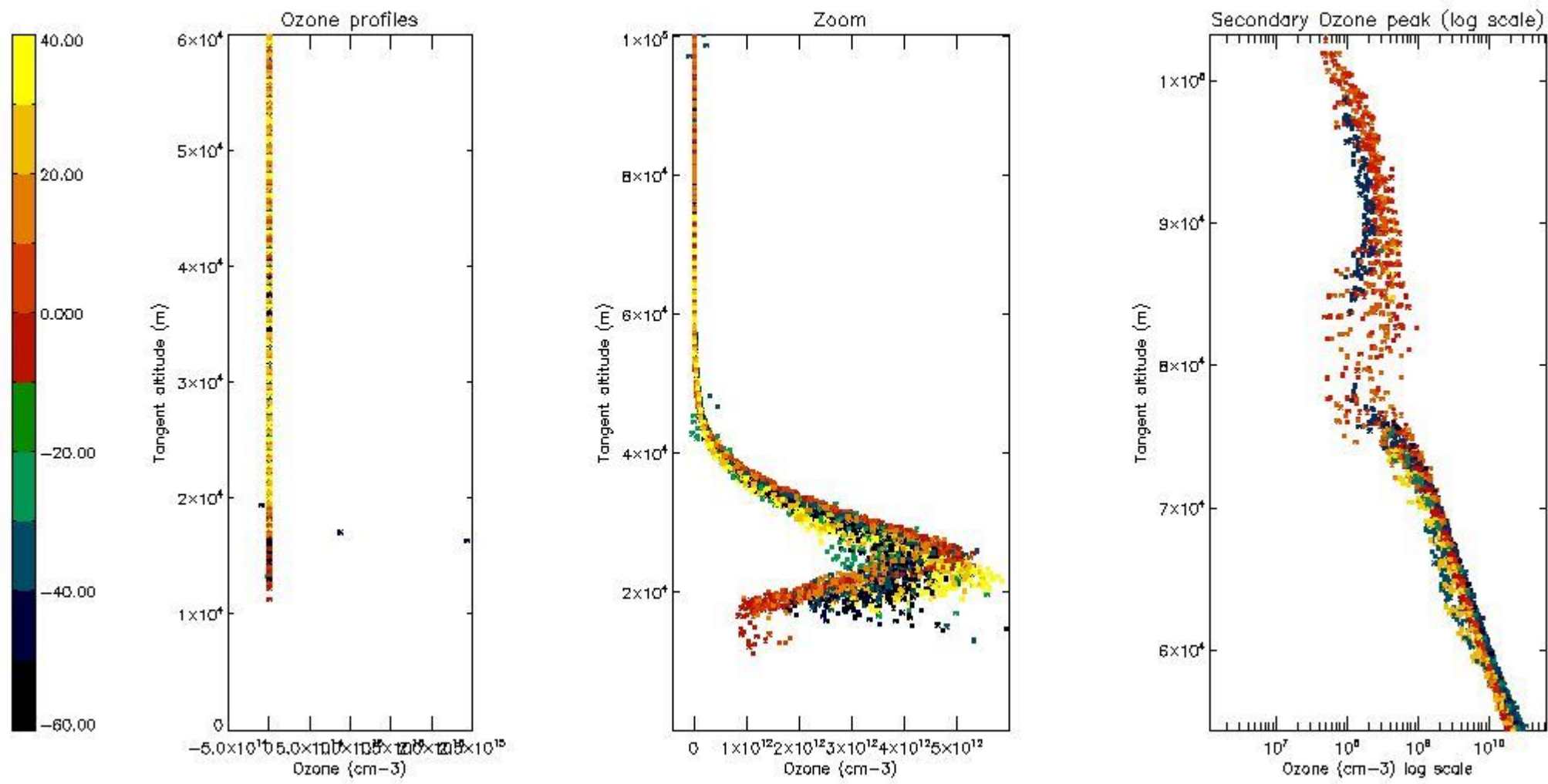
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

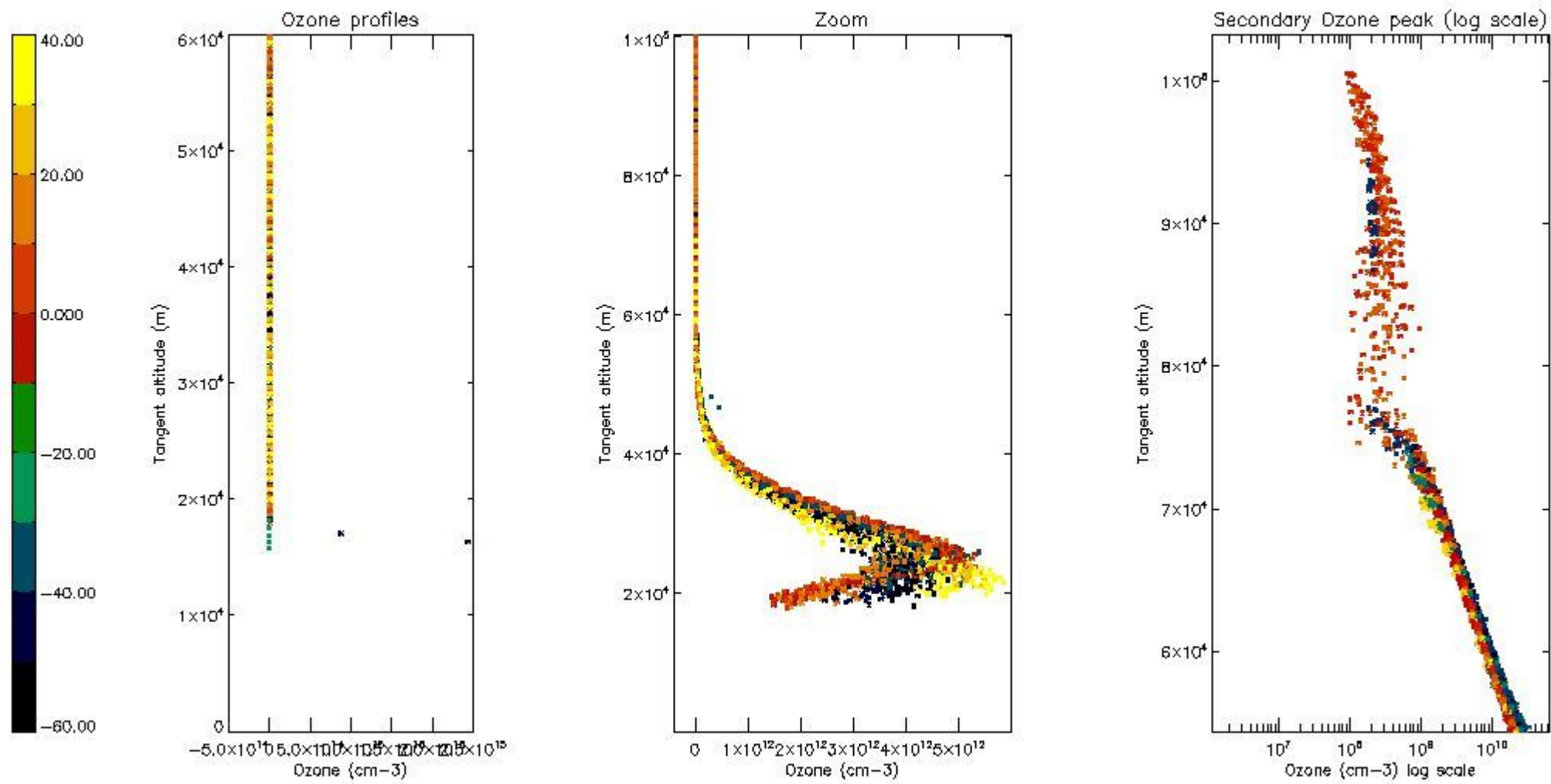
The colorbar represents the latitude.



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

The colorbar represents the latitude.

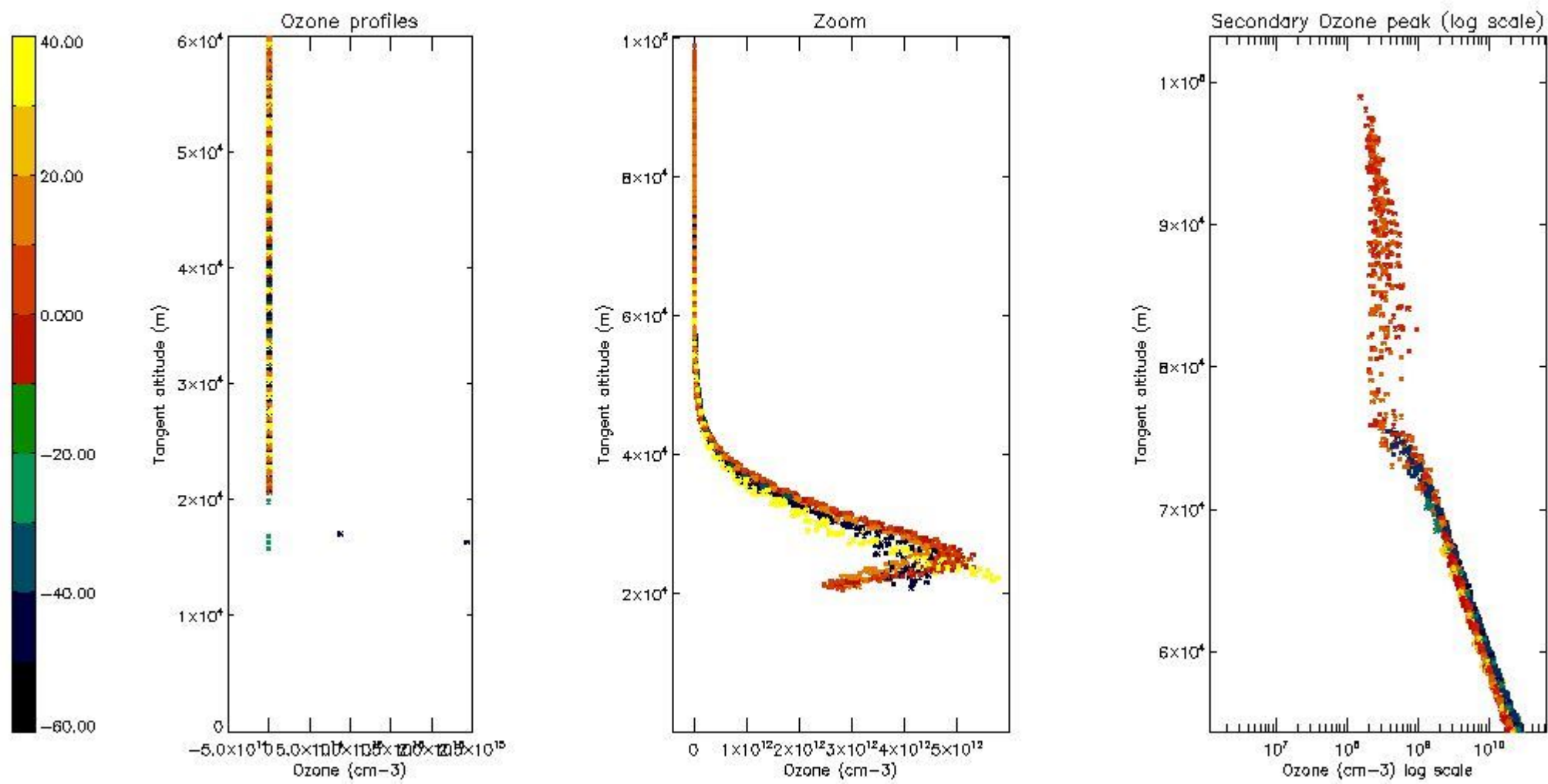




*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

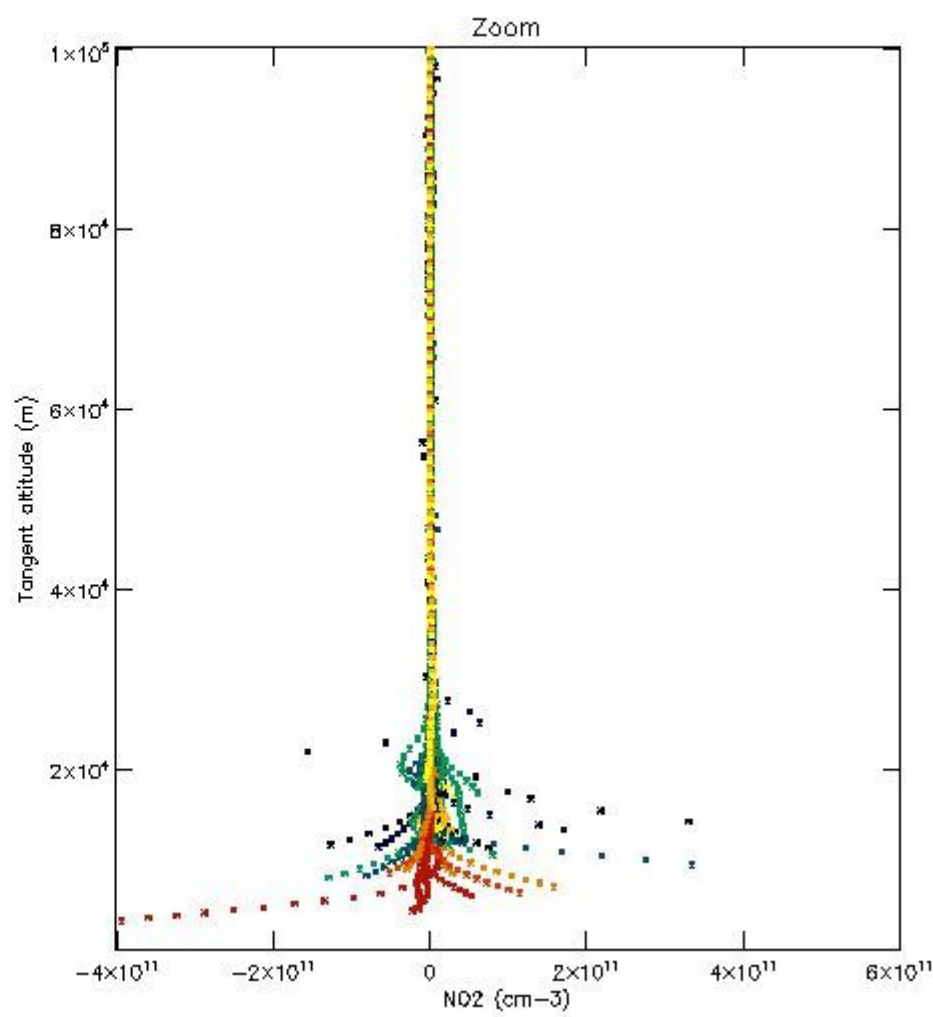
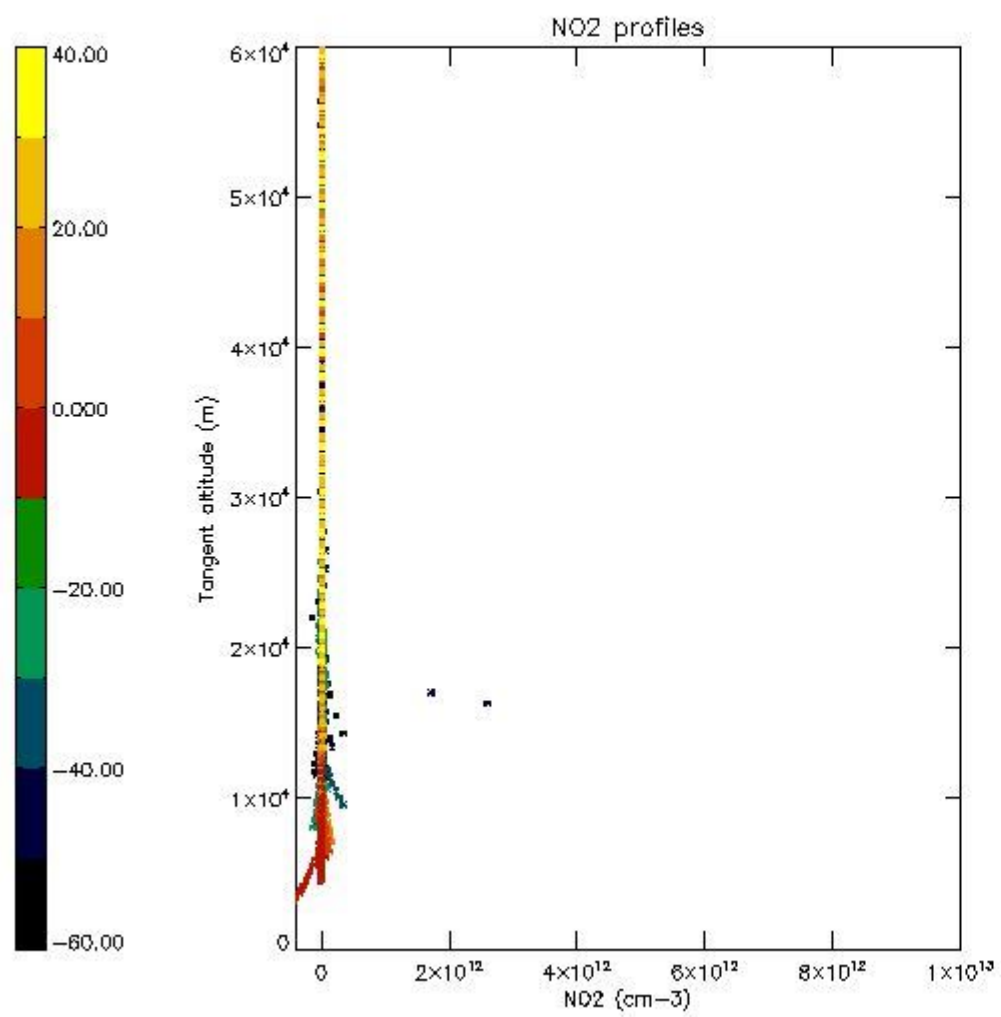
The colorbar represents the latitude.





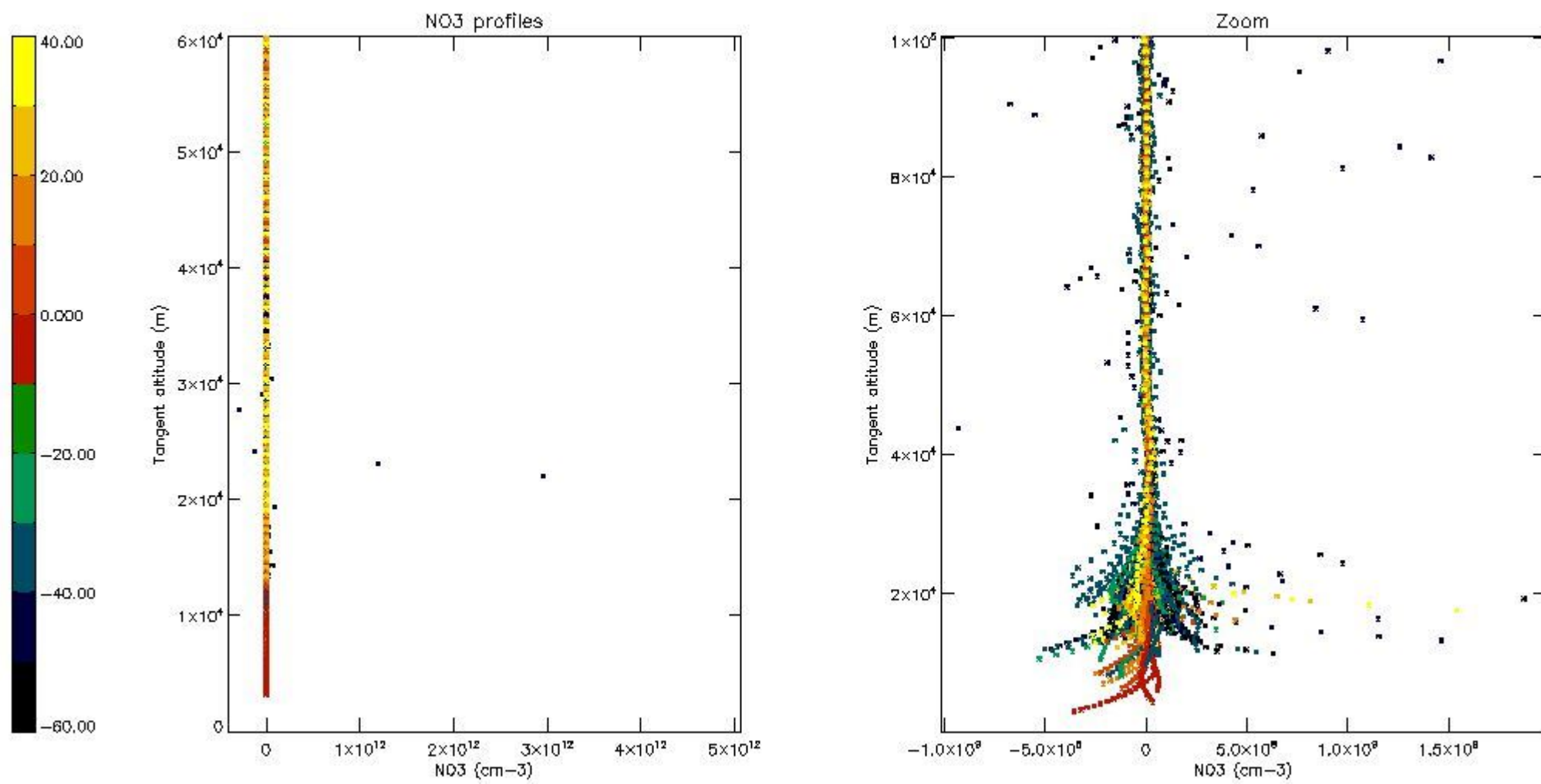
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



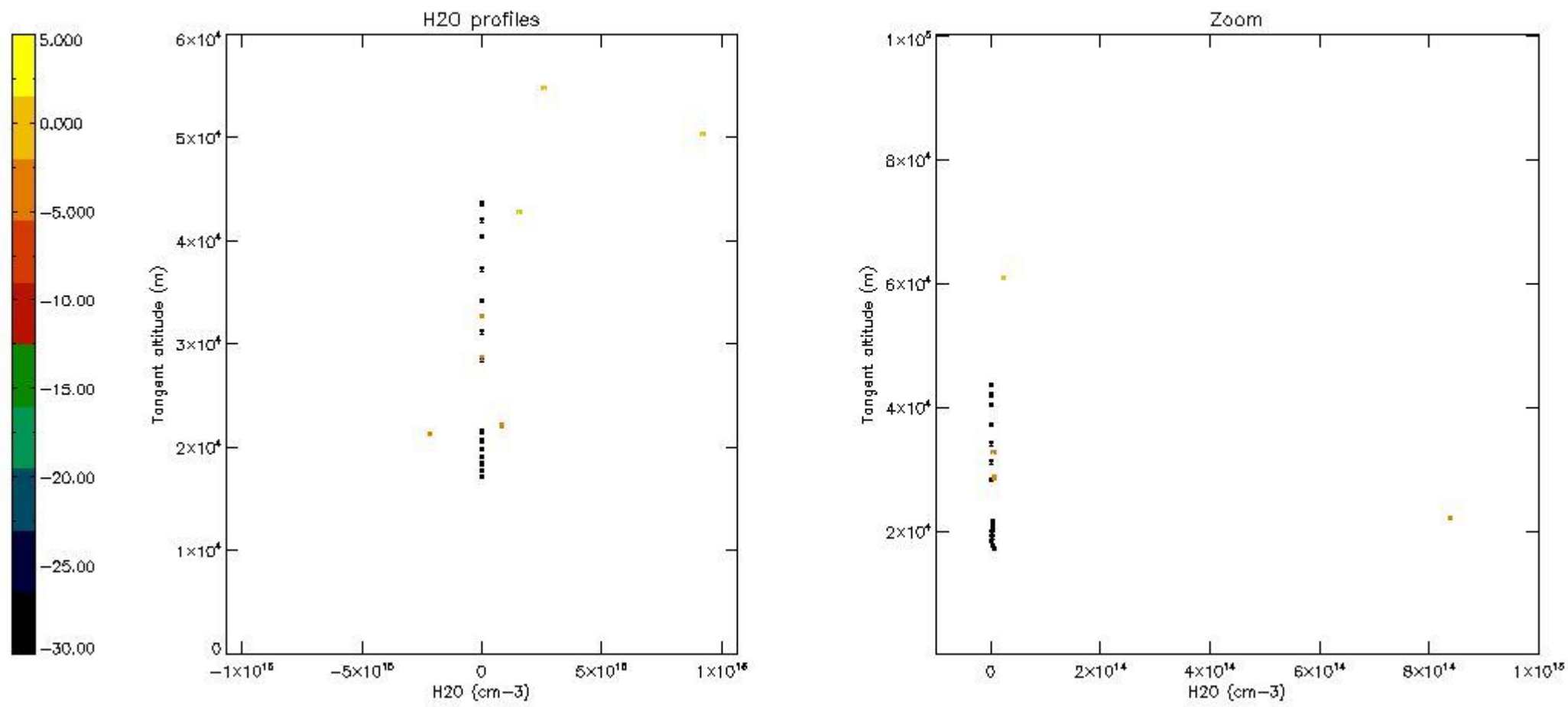
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	13-FEB-2008 00:05:37
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-FEB-2008 00:05:37
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-FEB-2008 00:05:37



# 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	25APR2013 10:22:55
Data source version	GOMOS/6.01
Start time of products	13-02-2008 (13FEB2008 00:00:00)
Stop time of products	14-02-2008 (14FEB2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	321
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__2PRFIN20080213_000537_000000342066_00016_31132_5322.N1	13-FEB-2008 00:05:37	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	31132	No
2	GOM_NL__2PRFIN20080213_001226_000000332066_00016_31132_5323.N1	13-FEB-2008 00:12:26	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	31132	No
3	GOM_NL__2PRFIN20080213_001733_000000302066_00016_31132_5324.N1	13-FEB-2008 00:17:33	Bright	30.000	19	50Alp Cyg	1.2460	10500.	60	31132	No
4	GOM_NL__2PRFIN20080213_001911_000000352066_00016_31132_5325.N1	13-FEB-2008 00:19:11	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31132	No
5	GOM_NL__2PRFIN20080213_002032_000000372066_00016_31132_5326.N1	13-FEB-2008 00:20:32	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	31132	No
6	GOM_NL__2PRFIN20080213_002722_000000462066_00016_31132_5327.N1	13-FEB-2008 00:27:22	Bright	46.000	168	17Zet Aql	2.9860	11000.	92	31132	No
7	GOM_NL__2PRFIN20080213_003833_000000412066_00016_31132_5328.N1	13-FEB-2008 00:38:33	Twilight	40.500	57	34Sig Sgr	2.0660	26000.	81	31132	No
8	GOM_NL__2PRFIN20080213_004116_000000422066_00016_31132_5329.N1	13-FEB-2008 00:41:16	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	31132	No
9	GOM_NL__2PRFIN20080213_004316_000000442066_00016_31132_5330.N1	13-FEB-2008 00:43:16	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	31132	No
10	GOM_NL__2PRFIN20080213_004435_000000402066_00016_31132_5331.N1	13-FEB-2008 00:44:35	Dark	39.500	40	The Sco	1.8590	7100.0	79	31132	No
11	GOM_NL__2PRFIN20080213_004623_000000382066_00016_31132_5332.N1	13-FEB-2008 00:46:23	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31132	No
12	GOM_NL__2PRFIN20080213_004751_000000402066_00016_31132_5333.N1	13-FEB-2008 00:47:51	Dark	39.500	141	Bet Ara	2.8400	4600.0	79	31132	No
13	GOM_NL__2PRFIN20080213_005352_000000482066_00017_31133_5353.N1	13-FEB-2008 00:53:52	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	31133	No
14	GOM_NL__2PRFIN20080213_005511_000000432066_00017_31133_5354.N1	13-FEB-2008 00:55:11	Dark	43.000	10	Bet Cen	0.61000	28000.	86	31133	No
15	GOM_NL__2PRFIN20080213_005820_000000492066_00017_31133_5355.N1	13-FEB-2008 00:58:20	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	31133	No
16	GOM_NL__2PRFIN20080213_010100_000000382066_00017_31133_5356.N1	13-FEB-2008 01:01:00	Dark	37.500	29	Bet Car	1.6720	10200.	75	31133	No
17	GOM_NL__2PRFIN20080213_010335_000000382066_00017_31133_5357.N1	13-FEB-2008 01:03:35	Dark	38.000	71	lot Car	2.2460	7700.0	76	31133	No
18	GOM_NL__2PRFIN20080213_010514_000000392066_00017_31133_5358.N1	13-FEB-2008 01:05:14	Dark	39.000	46	Del Vel	1.9540	10600.	78	31133	No
19	GOM_NL__2PRFIN20080213_010738_000000412066_00017_31133_5359.N1	13-FEB-2008 01:07:38	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31133	No
20	GOM_NL__2PRFIN20080213_010942_000000362066_00017_31133_5360.N1	13-FEB-2008 01:09:42	Straylight	36.000	70	Zet Pup	2.2460	39000.	72	31133	No
21	GOM_NL__2PRFIN20080213_011400_000000392066_00017_31133_5361.N1	13-FEB-2008 01:14:00	Straylight	39.000	132	15Rho Pup	2.8030	6900.0	78	31133	No
22	GOM_NL__2PRFIN20080213_012229_000000452066_00017_31133_5362.N1	13-FEB-2008 01:22:29	Bright	44.500	8	10Alp CMi	0.40000	6500.0	89	31133	No
23	GOM_NL__2PRFIN20080213_012849_000000382066_00017_31133_5363.N1	13-FEB-2008 01:28:49	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	31133	No
24	GOM_NL__2PRFIN20080213_014613_000000332066_00017_31133_5364.N1	13-FEB-2008 01:46:13	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	31133	No
25	GOM_NL__2PRFIN20080213_015302_000000352066_00017_31133_5365.N1	13-FEB-2008 01:53:02	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	31133	No
26	GOM_NL__2PRFIN20080213_015809_000000302066_00017_31133_5366.N1	13-FEB-2008 01:58:09	Bright	30.000	19	50Alp Cyg	1.2460	10500.	60	31133	No
27	GOM_NL__2PRFIN20080213_015947_000000352066_00017_31133_5367.N1	13-FEB-2008 01:59:47	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31133	No
28	GOM_NL__2PRFIN20080213_020108_000000372066_00017_31133_5368.N1	13-FEB-2008 02:01:08	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	31133	No
29	GOM_NL__2PRFIN20080213_020758_000000522066_00017_31133_5369.N1	13-FEB-2008 02:07:58	Bright	51.500	168	17Zet Aql	2.9860	11000.	103	31133	No
30	GOM_NL__2PRFIN20080213_021910_000000402066_00017_31133_5370.N1	13-FEB-2008 02:19:10	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	31133	No
31	GOM_NL__2PRFIN20080213_022152_000000392066_00017_31133_5371.N1	13-FEB-2008 02:21:52	Dark	38.500	38	20Eps Sgr	1.8360	11000.	77	31133	No
32	GOM_NL__2PRFIN20080213_022352_000000442066_00017_31133_5372.N1	13-FEB-2008 02:23:52	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	31133	No
33	GOM_NL__2PRFIN20080213_022512_000000392066_00017_31133_5373.N1	13-FEB-2008 02:25:12	Dark	39.000	40	The Sco	1.8590	7100.0	78	31133	No
34	GOM_NL__2PRFIN20080213_022659_000000372066_00017_31133_5374.N1	13-FEB-2008 02:26:59	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31133	No
35	GOM_NL__2PRFIN20080213_022828_000000392066_00017_31133_5375.N1	13-FEB-2008 02:28:28	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	31133	No
36	GOM_NL__2PRFIN20080213_023429_000000432066_00018_31134_5366.N1	13-FEB-2008 02:34:29	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31134	No
37	GOM_NL__2PRFIN20080213_023547_000000412066_00018_31134_5367.N1	13-FEB-2008 02:35:47	Dark	41.000	10	Bet Cen	0.61000	28000.	82	31134	No
38	GOM_NL__2PRFIN20080213_023856_000000412066_00018_31134_5368.N1	13-FEB-2008 02:38:56	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31134	No
39	GOM_NL__2PRFIN20080213_024136_000000382066_00018_31134_5369.N1	13-FEB-2008 02:41:36	Dark	37.500	29	Bet Car	1.6720	10200.	75	31134	No
40	GOM_NL__2PRFIN20080213_024411_000000402066_00018_31134_5370.N1	13-FEB-2008 02:44:11	Dark	39.500	71	lot Car	2.2460	7700.0	79	31134	No
41	GOM_NL__2PRFIN20080213_024550_000000382066_00018_31134_5371.N1	13-FEB-2008 02:45:50	Dark	38.000	46	Del Vel	1.9540	10600.	76	31134	No
42	GOM_NL__2PRFIN20080213_024814_000000382066_00018_31134_5372.N1	13-FEB-2008 02:48:14	Straylight	38.000	34	Gam2Vel	1.7930	23000.	76	31134	No

43	GOM_NL__2PRFIN20080213_025018_000000412066_00018_31134_5373.N1	13-FEB-2008 02:50:18	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	31134	No
44	GOM_NL__2PRFIN20080213_025436_000000412066_00018_31134_5374.N1	13-FEB-2008 02:54:36	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	31134	No
45	GOM_NL__2PRFIN20080213_030305_000000522066_00018_31134_5375.N1	13-FEB-2008 03:03:05	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31134	No
46	GOM_NL__2PRFIN20080213_030925_000000382066_00018_31134_5376.N1	13-FEB-2008 03:09:25	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31134	No
47	GOM_NL__2PRFIN20080213_032649_000000362066_00018_31134_5377.N1	13-FEB-2008 03:26:49	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31134	No
48	GOM_NL__2PRFIN20080213_033338_000000362066_00018_31134_5378.N1	13-FEB-2008 03:33:38	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31134	No
49	GOM_NL__2PRFIN20080213_033845_000000362066_00018_31134_5379.N1	13-FEB-2008 03:38:45	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31134	No
50	GOM_NL__2PRFIN20080213_034023_000000362066_00018_31134_5380.N1	13-FEB-2008 03:40:23	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	31134	No
51	GOM_NL__2PRFIN20080213_034144_000000382066_00018_31134_5381.N1	13-FEB-2008 03:41:44	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	31134	No
52	GOM_NL__2PRFIN20080213_034834_000000342066_00018_31134_5382.N1	13-FEB-2008 03:48:34	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31134	No
53	GOM_NL__2PRFIN20080213_035946_000000412066_00018_31134_5383.N1	13-FEB-2008 03:59:46	Twilight	40.500	57	34Sig Sgr	2.0660	26000.	81	31134	No
54	GOM_NL__2PRFIN20080213_040228_000000422066_00018_31134_5384.N1	13-FEB-2008 04:02:28	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	31134	No
55	GOM_NL__2PRFIN20080213_040429_000000422066_00018_31134_5385.N1	13-FEB-2008 04:04:29	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31134	No
56	GOM_NL__2PRFIN20080213_040548_000000372066_00018_31134_5386.N1	13-FEB-2008 04:05:48	Dark	37.000	40	The Sco	1.8590	7100.0	74	31134	No
57	GOM_NL__2PRFIN20080213_040735_000000392066_00018_31134_5387.N1	13-FEB-2008 04:07:35	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31134	No
58	GOM_NL__2PRFIN20080213_040904_000000452066_00018_31134_5388.N1	13-FEB-2008 04:09:04	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	31134	No
59	GOM_NL__2PRFIN20080213_041505_000000532066_00019_31135_5374.N1	13-FEB-2008 04:15:05	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	31135	No
60	GOM_NL__2PRFIN20080213_041623_000000412066_00019_31135_5375.N1	13-FEB-2008 04:16:23	Dark	41.000	10	Bet Cen	0.61000	28000.	82	31135	No
61	GOM_NL__2PRFIN20080213_041933_000000412066_00019_31135_5376.N1	13-FEB-2008 04:19:33	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31135	No
62	GOM_NL__2PRFIN20080213_042212_000000372066_00019_31135_5377.N1	13-FEB-2008 04:22:12	Dark	36.500	29	Bet Car	1.6720	10200.	73	31135	No
63	GOM_NL__2PRFIN20080213_042447_000000422066_00019_31135_5378.N1	13-FEB-2008 04:24:47	Dark	41.500	71	lot Car	2.2460	7700.0	83	31135	No
64	GOM_NL__2PRFIN20080213_042626_000000402066_00019_31135_5379.N1	13-FEB-2008 04:26:26	Dark	39.500	46	Del Vel	1.9540	10600.	79	31135	No
65	GOM_NL__2PRFIN20080213_042850_000000412066_00019_31135_5380.N1	13-FEB-2008 04:28:50	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31135	No
66	GOM_NL__2PRFIN20080213_043055_000000382066_00019_31135_5381.N1	13-FEB-2008 04:30:55	Straylight	38.000	70	Zet Pup	2.2460	39000.	76	31135	No
67	GOM_NL__2PRFIN20080213_043512_000000392066_00019_31135_5382.N1	13-FEB-2008 04:35:12	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31135	No
68	GOM_NL__2PRFIN20080213_044341_000000522066_00019_31135_5383.N1	13-FEB-2008 04:43:41	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31135	No
69	GOM_NL__2PRFIN20080213_045001_000000392066_00019_31135_5384.N1	13-FEB-2008 04:50:01	Bright	39.000	17	78Bet Gem	1.1610	4500.0	78	31135	No
70	GOM_NL__2PRFIN20080213_050725_000000352066_00019_31135_5385.N1	13-FEB-2008 05:07:25	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	31135	No
71	GOM_NL__2PRFIN20080213_051414_000000362066_00019_31135_5386.N1	13-FEB-2008 05:14:14	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31135	No
72	GOM_NL__2PRFIN20080213_051921_000000362066_00019_31135_5387.N1	13-FEB-2008 05:19:21	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31135	No
73	GOM_NL__2PRFIN20080213_052059_000000342066_00019_31135_5388.N1	13-FEB-2008 05:20:59	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31135	No
74	GOM_NL__2PRFIN20080213_052220_000000352066_00019_31135_5389.N1	13-FEB-2008 05:22:20	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	31135	No
75	GOM_NL__2PRFIN20080213_052910_000000342066_00019_31135_5390.N1	13-FEB-2008 05:29:10	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31135	No
76	GOM_NL__2PRFIN20080213_054022_000000402066_00019_31135_5391.N1	13-FEB-2008 05:40:22	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	31135	No
77	GOM_NL__2PRFIN20080213_054304_000000422066_00019_31135_5392.N1	13-FEB-2008 05:43:04	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	31135	No
78	GOM_NL__2PRFIN20080213_054505_000000422066_00019_31135_5393.N1	13-FEB-2008 05:45:05	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31135	No
79	GOM_NL__2PRFIN20080213_054624_000000432066_00019_31135_5394.N1	13-FEB-2008 05:46:24	Dark	42.500	40	The Sco	1.8590	7100.0	85	31135	No
80	GOM_NL__2PRFIN20080213_054812_000000402066_00019_31135_5395.N1	13-FEB-2008 05:48:12	Dark	40.000	147	Alp Ara	2.8770	26000.	80	31135	No
81	GOM_NL__2PRFIN20080213_054940_000000412066_00019_31135_5396.N1	13-FEB-2008 05:49:40	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	31135	No
82	GOM_NL__2PRFIN20080213_055542_000000552066_00020_31136_5392.N1	13-FEB-2008 05:55:42	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	31136	No
83	GOM_NL__2PRFIN20080213_055700_000000412066_00020_31136_5393.N1	13-FEB-2008 05:57:00	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31136	No
84	GOM_NL__2PRFIN20080213_060009_000000412066_00020_31136_5394.N1	13-FEB-2008 06:00:09	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	31136	No
85	GOM_NL__2PRFIN20080213_060248_000000462066_00020_31136_5395.N1	13-FEB-2008 06:02:48	Dark	46.000	29	Bet Car	1.6720	10200.	92	31136	No
86	GOM_NL__2PRFIN20080213_060523_000000402066_00020_31136_5396.N1	13-FEB-2008 06:05:23	Dark	40.000	71	lot Car	2.2460	7700.0	80	31136	No
87	GOM_NL__2PRFIN20080213_060702_000000422066_00020_31136_5397.N1	13-FEB-2008 06:07:02	Dark	42.000	46	Del Vel	1.9540	10600.	84	31136	No
88	GOM_NL__2PRFIN20080213_060926_000000392066_00020_31136_5398.N1	13-FEB-2008 06:09:26	Straylight	38.500	34	Gam2Vel	1.7930	23000.	77	31136	No
89	GOM_NL__2PRFIN20080213_061131_000000402066_00020_31136_5399.N1	13-FEB-2008 06:11:31	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	31136	No
90	GOM_NL__2PRFIN20080213_061549_000000382066_00020_31136_5400.N1	13-FEB-2008 06:15:49	Straylight	37.500	132	15Rho Pup	2.8030	6900.0	75	31136	No
91	GOM_NL__2PRFIN20080213_062417_000000522066_00020_31136_5401.N1	13-FEB-2008 06:24:17	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31136	No
92	GOM_NL__2PRFIN20080213_063037_000000372066_00020_31136_5402.N1	13-FEB-2008 06:30:37	Bright	37.000	17	78Bet Gem	1.1610	4500.0	74	31136	No
93	GOM_NL__2PRFIN20080213_064801_000000362066_00020_31136_5403.N1	13-FEB-2008 06:48:01	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31136	No
94	GOM_NL__2PRFIN20080213_065451_000000372066_00020_31136_5404.N1	13-FEB-2008 06:54:51	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	31136	No
95	GOM_NL__2PRFIN20080213_065958_000000352066_00020_31136_5405.N1	13-FEB-2008 06:59:58	Bright	35.000	19	50Alp Cyg	1.2460	10500.	70	31136	No
96	GOM_NL__2PRFIN20080213_070135_000000342066_00020_31136_5406.N1	13-FEB-2008 07:01:35	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31136	No
97	GOM_NL__2PRFIN20080213_070256_000000382066_00020_31136_5407.N1	13-FEB-2008 07:02:56	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	31136	No
98	GOM_NL__2PRFIN20080213_070947_000000352066_00020_31136_5408.N1	13-FEB-2008 07:09:47	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31136	No
99	GOM_NL__2PRFIN20080213_072058_000000382066_00020_31136_5409.N1	13-FEB-2008 07:20:58	Twilight	37.500	57	34Sig Sgr	2.0660	26000.	75	31136	No
100	GOM_NL__2PRFIN20080213_072341_000000422066_00020_31136_5410.N1	13-FEB-2008 07:23:41	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	31136	No
101	GOM_NL__2PRFIN20080213_072542_000000412066_00020_31136_5411.N1	13-FEB-2008 07:25:42	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	31136	No





161	GOM_NL__2PRFIN20080213_113225_000000382066_00023_31139_5440.N1	13-FEB-2008 11:32:25	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	31139	No
162	GOM_NL__2PRFIN20080213_114949_000000342066_00023_31139_5441.N1	13-FEB-2008 11:49:49	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	31139	No
163	GOM_NL__2PRFIN20080213_115639_000000372066_00023_31139_5442.N1	13-FEB-2008 11:56:39	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	31139	No
164	GOM_NL__2PRFIN20080213_120146_000000352066_00023_31139_5443.N1	13-FEB-2008 12:01:46	Bright	35.000	19	50Alp Cyg	1.2460	10500.	70	31139	No
165	GOM_NL__2PRFIN20080213_120323_000000522066_00023_31139_5444.N1	13-FEB-2008 12:03:23	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	31139	No
166	GOM_NL__2PRFIN20080213_120444_000000372066_00023_31139_5445.N1	13-FEB-2008 12:04:44	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	31139	No
167	GOM_NL__2PRFIN20080213_121135_000000352066_00023_31139_5446.N1	13-FEB-2008 12:11:35	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31139	No
168	GOM_NL__2PRFIN20080213_122247_000000422066_00023_31139_5447.N1	13-FEB-2008 12:22:47	Twilight	42.000	57	34Sig Sgr	2.0660	26000.	84	31139	No
169	GOM_NL__2PRFIN20080213_122529_000000432066_00023_31139_5448.N1	13-FEB-2008 12:25:29	Dark	42.500	38	20Eps Sgr	1.8360	11000.	85	31139	No
170	GOM_NL__2PRFIN20080213_122731_000000462066_00023_31139_5449.N1	13-FEB-2008 12:27:31	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	31139	No
171	GOM_NL__2PRFIN20080213_122850_000000452066_00023_31139_5450.N1	13-FEB-2008 12:28:50	Dark	45.000	40	The Sco	1.8590	7100.0	90	31139	No
172	GOM_NL__2PRFIN20080213_123037_000000392066_00023_31139_5451.N1	13-FEB-2008 12:30:37	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31139	No
173	GOM_NL__2PRFIN20080213_123205_000000392066_00023_31139_5452.N1	13-FEB-2008 12:32:05	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	31139	No
174	GOM_NL__2PRFIN20080213_123808_000000432066_00024_31140_5438.N1	13-FEB-2008 12:38:08	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31140	No
175	GOM_NL__2PRFIN20080213_123926_000000432066_00024_31140_5439.N1	13-FEB-2008 12:39:26	Dark	42.500	10	Bet Cen	0.61000	28000.	85	31140	No
176	GOM_NL__2PRFIN20080213_124235_000000422066_00024_31140_5440.N1	13-FEB-2008 12:42:35	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	31140	No
177	GOM_NL__2PRFIN20080213_124513_000000382066_00024_31140_5441.N1	13-FEB-2008 12:45:13	Dark	37.500	29	Bet Car	1.6720	10200.	75	31140	No
178	GOM_NL__2PRFIN20080213_124748_000000382066_00024_31140_5442.N1	13-FEB-2008 12:47:48	Dark	37.500	71	lot Car	2.2460	7700.0	75	31140	No
179	GOM_NL__2PRFIN20080213_124926_000000382066_00024_31140_5443.N1	13-FEB-2008 12:49:26	Dark	38.000	46	Del Vel	1.9540	10600.	76	31140	No
180	GOM_NL__2PRFIN20080213_125151_000000412066_00024_31140_5444.N1	13-FEB-2008 12:51:51	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31140	No
181	GOM_NL__2PRFIN20080213_125355_000000392066_00024_31140_5445.N1	13-FEB-2008 12:53:55	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	31140	No
182	GOM_NL__2PRFIN20080213_125813_000000412066_00024_31140_5446.N1	13-FEB-2008 12:58:13	Straylight	40.500	132	15Rho Pup	2.8030	6900.0	81	31140	No
183	GOM_NL__2PRFIN20080213_130641_000000522066_00024_31140_5447.N1	13-FEB-2008 13:06:41	Bright	51.500	8	10Alp CMi	0.40000	6500.0	103	31140	No
184	GOM_NL__2PRFIN20080213_131300_000000392066_00024_31140_5448.N1	13-FEB-2008 13:13:00	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	31140	No
185	GOM_NL__2PRFIN20080213_133025_000000362066_00024_31140_5449.N1	13-FEB-2008 13:30:25	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31140	No
186	GOM_NL__2PRFIN20080213_133715_000000362066_00024_31140_5450.N1	13-FEB-2008 13:37:15	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31140	No
187	GOM_NL__2PRFIN20080213_134222_000000362066_00024_31140_5451.N1	13-FEB-2008 13:42:22	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31140	No
188	GOM_NL__2PRFIN20080213_134400_000000342066_00024_31140_5452.N1	13-FEB-2008 13:44:00	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31140	No
189	GOM_NL__2PRFIN20080213_135211_000000352066_00024_31140_5453.N1	13-FEB-2008 13:52:11	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31140	No
190	GOM_NL__2PRFIN20080213_140323_000000402066_00024_31140_5454.N1	13-FEB-2008 14:03:23	Twilight	39.500	57	34Sig Sgr	2.0660	26000.	79	31140	No
191	GOM_NL__2PRFIN20080213_140605_000000402066_00024_31140_5455.N1	13-FEB-2008 14:06:05	Dark	39.500	38	20Eps Sgr	1.8360	11000.	79	31140	No
192	GOM_NL__2PRFIN20080213_140807_000000462066_00024_31140_5456.N1	13-FEB-2008 14:08:07	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	31140	No
193	GOM_NL__2PRFIN20080213_140926_000000452066_00024_31140_5457.N1	13-FEB-2008 14:09:26	Dark	44.500	40	The Sco	1.8590	7100.0	89	31140	No
194	GOM_NL__2PRFIN20080213_141113_000000372066_00024_31140_5458.N1	13-FEB-2008 14:11:13	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31140	No
195	GOM_NL__2PRFIN20080213_141242_000000452066_00024_31140_5459.N1	13-FEB-2008 14:12:42	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	31140	No
196	GOM_NL__2PRFIN20080213_141844_000000432066_00025_31141_5445.N1	13-FEB-2008 14:18:44	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31141	No
197	GOM_NL__2PRFIN20080213_142003_000000422066_00025_31141_5446.N1	13-FEB-2008 14:20:03	Dark	41.500	10	Bet Cen	0.61000	28000.	83	31141	No
198	GOM_NL__2PRFIN20080213_142311_000000412066_00025_31141_5447.N1	13-FEB-2008 14:23:11	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31141	No
199	GOM_NL__2PRFIN20080213_142549_000000382066_00025_31141_5448.N1	13-FEB-2008 14:25:49	Dark	38.000	29	Bet Car	1.6720	10200.	76	31141	No
200	GOM_NL__2PRFIN20080213_142824_000000382066_00025_31141_5449.N1	13-FEB-2008 14:28:24	Dark	38.000	71	lot Car	2.2460	7700.0	76	31141	No
201	GOM_NL__2PRFIN20080213_143003_000000392066_00025_31141_5450.N1	13-FEB-2008 14:30:03	Dark	38.500	46	Del Vel	1.9540	10600.	77	31141	No
202	GOM_NL__2PRFIN20080213_143227_000000432066_00025_31141_5451.N1	13-FEB-2008 14:32:27	Straylight	42.500	34	Gam2Vel	1.7930	23000.	85	31141	No
203	GOM_NL__2PRFIN20080213_143431_000000382066_00025_31141_5452.N1	13-FEB-2008 14:34:31	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	31141	No
204	GOM_NL__2PRFIN20080213_143849_000000422066_00025_31141_5453.N1	13-FEB-2008 14:38:49	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	31141	No
205	GOM_NL__2PRFIN20080213_144717_000000492066_00025_31141_5454.N1	13-FEB-2008 14:47:17	Bright	48.500	8	10Alp CMi	0.40000	6500.0	97	31141	No
206	GOM_NL__2PRFIN20080213_145336_000000392066_00025_31141_5455.N1	13-FEB-2008 14:53:36	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	31141	No
207	GOM_NL__2PRFIN20080213_151101_000000332066_00025_31141_5456.N1	13-FEB-2008 15:11:01	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	31141	No
208	GOM_NL__2PRFIN20080213_151751_000000352066_00025_31141_5457.N1	13-FEB-2008 15:17:51	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	31141	No
209	GOM_NL__2PRFIN20080213_152258_000000372066_00025_31141_5458.N1	13-FEB-2008 15:22:58	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	31141	No
210	GOM_NL__2PRFIN20080213_152436_000000352066_00025_31141_5459.N1	13-FEB-2008 15:24:36	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31141	No
211	GOM_NL__2PRFIN20080213_153247_000000352066_00025_31141_5460.N1	13-FEB-2008 15:32:47	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31141	No
212	GOM_NL__2PRFIN20080213_154359_000000392066_00025_31141_5461.N1	13-FEB-2008 15:43:59	Twilight	38.500	57	34Sig Sgr	2.0660	26000.	77	31141	No
213	GOM_NL__2PRFIN20080213_154642_000000402066_00025_31141_5462.N1	13-FEB-2008 15:46:42	Dark	40.000	38	20Eps Sgr	1.8360	11000.	80	31141	No
214	GOM_NL__2PRFIN20080213_154844_000000442066_00025_31141_5463.N1	13-FEB-2008 15:48:44	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	31141	No
215	GOM_NL__2PRFIN20080213_155003_000000442066_00025_31141_5464.N1	13-FEB-2008 15:50:03	Dark	44.000	40	The Sco	1.8590	7100.0	88	31141	No
216	GOM_NL__2PRFIN20080213_155150_000000372066_00025_31141_5465.N1	13-FEB-2008 15:51:50	Dark	36.500	147	Alp Ara	2.8770	26000.	73	31141	No
217	GOM_NL__2PRFIN20080213_155319_000000382066_00025_31141_5466.N1	13-FEB-2008 15:53:19	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	31141	No
218	GOM_NL__2PRFIN20080213_155921_000000432066_00026_31142_5470.N1	13-FEB-2008 15:59:21	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31142	No
219	GOM_NL__2PRFIN20080213_160040_000000432066_00026_31142_5471.N1	13-FEB-2008 16:00:40	Dark	43.000	10	Bet Cen	0.61000	28000.	86	31142	No

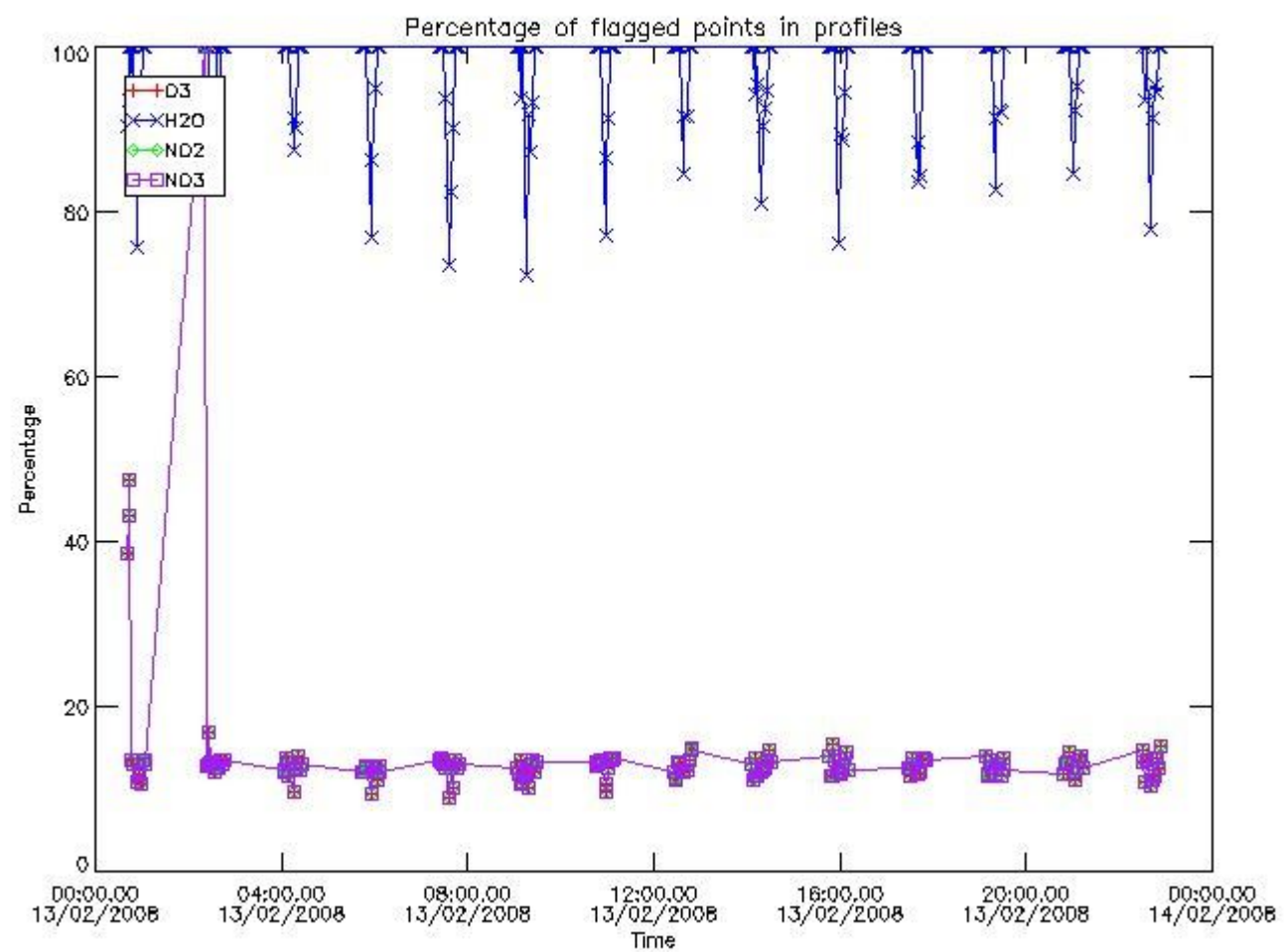
220	GOM_NL__2PRFIN20080213_160348_000000402066_00026_31142_5472.N1	13-FEB-2008 16:03:48	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	31142	No
221	GOM_NL__2PRFIN20080213_160625_000000372066_00026_31142_5473.N1	13-FEB-2008 16:06:25	Dark	37.000	29	Bet Car	1.6720	10200.	74	31142	No
222	GOM_NL__2PRFIN20080213_160901_000000392066_00026_31142_5474.N1	13-FEB-2008 16:09:01	Dark	39.000	71	lot Car	2.2460	7700.0	78	31142	No
223	GOM_NL__2PRFIN20080213_161039_000000422066_00026_31142_5475.N1	13-FEB-2008 16:10:39	Dark	41.500	46	Del Vel	1.9540	10600.	83	31142	No
224	GOM_NL__2PRFIN20080213_161303_000000412066_00026_31142_5476.N1	13-FEB-2008 16:13:03	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31142	No
225	GOM_NL__2PRFIN20080213_161508_000000392066_00026_31142_5477.N1	13-FEB-2008 16:15:08	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	31142	No
226	GOM_NL__2PRFIN20080213_161925_000000382066_00026_31142_5478.N1	13-FEB-2008 16:19:25	Straylight	38.000	132	15Rho Pup	2.8030	6900.0	76	31142	No
227	GOM_NL__2PRFIN20080213_162754_000000502066_00026_31142_5479.N1	13-FEB-2008 16:27:54	Bright	50.000	8	10Alp CMi	0.40000	6500.0	100	31142	No
228	GOM_NL__2PRFIN20080213_163413_000000522066_00026_31142_5480.N1	13-FEB-2008 16:34:13	Bright	52.000	17	78Bet Gem	1.1610	4500.0	104	31142	No
229	GOM_NL__2PRFIN20080213_165137_000000362066_00026_31142_5481.N1	13-FEB-2008 16:51:37	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31142	No
230	GOM_NL__2PRFIN20080213_165828_000000362066_00026_31142_5482.N1	13-FEB-2008 16:58:28	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31142	No
231	GOM_NL__2PRFIN20080213_170335_000000352066_00026_31142_5483.N1	13-FEB-2008 17:03:35	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	31142	No
232	GOM_NL__2PRFIN20080213_170513_000000332066_00026_31142_5484.N1	13-FEB-2008 17:05:13	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	31142	No
233	GOM_NL__2PRFIN20080213_171324_000000342066_00026_31142_5485.N1	13-FEB-2008 17:13:24	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31142	No
234	GOM_NL__2PRFIN20080213_172435_000000412066_00026_31142_5486.N1	13-FEB-2008 17:24:35	Twilight	41.000	57	34Sig Sgr	2.0660	26000.	82	31142	No
235	GOM_NL__2PRFIN20080213_172719_000000412066_00026_31142_5487.N1	13-FEB-2008 17:27:19	Dark	41.000	38	20Eps Sgr	1.8360	11000.	82	31142	No
236	GOM_NL__2PRFIN20080213_172921_000000412066_00026_31142_5488.N1	13-FEB-2008 17:29:21	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	31142	No
237	GOM_NL__2PRFIN20080213_173040_000000442066_00026_31142_5489.N1	13-FEB-2008 17:30:40	Dark	44.000	40	The Sco	1.8590	7100.0	88	31142	No
238	GOM_NL__2PRFIN20080213_173227_000000372066_00026_31142_5490.N1	13-FEB-2008 17:32:27	Dark	37.000	147	Alp Ara	2.8770	26000.	74	31142	No
239	GOM_NL__2PRFIN20080213_173355_000000392066_00026_31142_5491.N1	13-FEB-2008 17:33:55	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	31142	No
240	GOM_NL__2PRFIN20080213_173958_000000432066_00027_31143_5484.N1	13-FEB-2008 17:39:58	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	31143	No
241	GOM_NL__2PRFIN20080213_174116_000000442066_00027_31143_5485.N1	13-FEB-2008 17:41:16	Dark	43.500	10	Bet Cen	0.61000	28000.	87	31143	No
242	GOM_NL__2PRFIN20080213_174425_000000422066_00027_31143_5486.N1	13-FEB-2008 17:44:25	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	31143	No
243	GOM_NL__2PRFIN20080213_174702_000000372066_00027_31143_5487.N1	13-FEB-2008 17:47:02	Dark	37.000	29	Bet Car	1.6720	10200.	74	31143	No
244	GOM_NL__2PRFIN20080213_174937_000000372066_00027_31143_5488.N1	13-FEB-2008 17:49:37	Dark	37.000	71	lot Car	2.2460	7700.0	74	31143	No
245	GOM_NL__2PRFIN20080213_175116_000000382066_00027_31143_5489.N1	13-FEB-2008 17:51:16	Dark	37.500	46	Del Vel	1.9540	10600.	75	31143	No
246	GOM_NL__2PRFIN20080213_175340_000000422066_00027_31143_5490.N1	13-FEB-2008 17:53:40	Straylight	42.000	34	Gam2Vel	1.7930	23000.	84	31143	No
247	GOM_NL__2PRFIN20080213_175544_000000402066_00027_31143_5491.N1	13-FEB-2008 17:55:44	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	31143	No
248	GOM_NL__2PRFIN20080213_180002_000000402066_00027_31143_5492.N1	13-FEB-2008 18:00:02	Straylight	39.500	132	15Rho Pup	2.8030	6900.0	79	31143	No
249	GOM_NL__2PRFIN20080213_180830_000000522066_00027_31143_5493.N1	13-FEB-2008 18:08:30	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31143	No
250	GOM_NL__2PRFIN20080213_181449_000000382066_00027_31143_5494.N1	13-FEB-2008 18:14:49	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31143	No
251	GOM_NL__2PRFIN20080213_183213_000000352066_00027_31143_5495.N1	13-FEB-2008 18:32:13	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	31143	No
252	GOM_NL__2PRFIN20080213_183904_000000362066_00027_31143_5496.N1	13-FEB-2008 18:39:04	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31143	No
253	GOM_NL__2PRFIN20080213_184411_000000342066_00027_31143_5497.N1	13-FEB-2008 18:44:11	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	31143	No
254	GOM_NL__2PRFIN20080213_184549_000000352066_00027_31143_5498.N1	13-FEB-2008 18:45:49	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	31143	No
255	GOM_NL__2PRFIN20080213_185400_000000342066_00027_31143_5499.N1	13-FEB-2008 18:54:00	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	31143	No
256	GOM_NL__2PRFIN20080213_190512_000000392066_00027_31143_5500.N1	13-FEB-2008 19:05:12	Twilight	39.000	57	34Sig Sgr	2.0660	26000.	78	31143	No
257	GOM_NL__2PRFIN20080213_190755_000000372066_00027_31143_5501.N1	13-FEB-2008 19:07:55	Dark	36.500	38	20Eps Sgr	1.8360	11000.	73	31143	No
258	GOM_NL__2PRFIN20080213_190957_000000442066_00027_31143_5502.N1	13-FEB-2008 19:09:57	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	31143	No
259	GOM_NL__2PRFIN20080213_191116_000000452066_00027_31143_5503.N1	13-FEB-2008 19:11:16	Dark	44.500	40	The Sco	1.8590	7100.0	89	31143	No
260	GOM_NL__2PRFIN20080213_191303_000000382066_00027_31143_5504.N1	13-FEB-2008 19:13:03	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31143	No
261	GOM_NL__2PRFIN20080213_191431_000000412066_00027_31143_5505.N1	13-FEB-2008 19:14:31	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	31143	No
262	GOM_NL__2PRFIN20080213_192035_000000442066_00028_31144_5519.N1	13-FEB-2008 19:20:35	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	31144	No
263	GOM_NL__2PRFIN20080213_192153_000000412066_00028_31144_5520.N1	13-FEB-2008 19:21:53	Dark	40.500	10	Bet Cen	0.61000	28000.	81	31144	No
264	GOM_NL__2PRFIN20080213_192501_000000392066_00028_31144_5521.N1	13-FEB-2008 19:25:01	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	31144	No
265	GOM_NL__2PRFIN20080213_192738_000000442066_00028_31144_5522.N1	13-FEB-2008 19:27:38	Dark	44.000	29	Bet Car	1.6720	10200.	88	31144	No
266	GOM_NL__2PRFIN20080213_193013_000000372066_00028_31144_5523.N1	13-FEB-2008 19:30:13	Dark	37.000	71	lot Car	2.2460	7700.0	74	31144	No
267	GOM_NL__2PRFIN20080213_193152_000000422066_00028_31144_5524.N1	13-FEB-2008 19:31:52	Dark	41.500	46	Del Vel	1.9540	10600.	83	31144	No
268	GOM_NL__2PRFIN20080213_193416_000000402066_00028_31144_5525.N1	13-FEB-2008 19:34:16	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	31144	No
269	GOM_NL__2PRFIN20080213_193620_000000402066_00028_31144_5526.N1	13-FEB-2008 19:36:20	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	31144	No
270	GOM_NL__2PRFIN20080213_194038_000000392066_00028_31144_5527.N1	13-FEB-2008 19:40:38	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31144	No
271	GOM_NL__2PRFIN20080213_194906_000000522066_00028_31144_5528.N1	13-FEB-2008 19:49:06	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31144	No
272	GOM_NL__2PRFIN20080213_195525_000000372066_00028_31144_5529.N1	13-FEB-2008 19:55:25	Bright	37.000	17	78Bet Gem	1.1610	4500.0	74	31144	No
273	GOM_NL__2PRFIN20080213_201249_000000362066_00028_31144_5530.N1	13-FEB-2008 20:12:49	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31144	No
274	GOM_NL__2PRFIN20080213_201940_000000362066_00028_31144_5531.N1	13-FEB-2008 20:19:40	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31144	No
275	GOM_NL__2PRFIN20080213_202447_000000342066_00028_31144_5532.N1	13-FEB-2008 20:24:47	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	31144	No
276	GOM_NL__2PRFIN20080213_202625_000000332066_00028_31144_5533.N1	13-FEB-2008 20:26:25	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	31144	No
277	GOM_NL__2PRFIN20080213_203436_000000352066_00028_31144_5534.N1	13-FEB-2008 20:34:36	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	31144	No
278	GOM_NL__2PRFIN20080213_204548_000000402066_00028_31144_5535.N1	13-FEB-2008 20:45:48	Twilight	40.000	57	34Sig Sgr	2.0660	26000.	80	31144	No

279	GOM_NL__2PRFIN20080213_204831_000000432066_00028_31144_5536.N1	13-FEB-2008 20:48:31	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	31144	No
280	GOM_NL__2PRFIN20080213_205034_000000392066_00028_31144_5537.N1	13-FEB-2008 20:50:34	Dark	39.000	25	35Lam Sco	1.6200	28000.	78	31144	No
281	GOM_NL__2PRFIN20080213_205152_000000402066_00028_31144_5538.N1	13-FEB-2008 20:51:52	Dark	39.500	40	The Sco	1.8590	7100.0	79	31144	No
282	GOM_NL__2PRFIN20080213_205340_000000392066_00028_31144_5539.N1	13-FEB-2008 20:53:40	Dark	38.500	147	Alp Ara	2.8770	26000.	77	31144	No
283	GOM_NL__2PRFIN20080213_205508_000000392066_00028_31144_5540.N1	13-FEB-2008 20:55:08	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	31144	No
284	GOM_NL__2PRFIN20080213_210111_000000432066_00029_31145_5535.N1	13-FEB-2008 21:01:11	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	31145	No
285	GOM_NL__2PRFIN20080213_210229_000000462066_00029_31145_5536.N1	13-FEB-2008 21:02:29	Dark	45.500	10	Bet Cen	0.61000	28000.	91	31145	No
286	GOM_NL__2PRFIN20080213_210538_000000412066_00029_31145_5537.N1	13-FEB-2008 21:05:38	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31145	No
287	GOM_NL__2PRFIN20080213_210814_000000382066_00029_31145_5538.N1	13-FEB-2008 21:08:14	Dark	38.000	29	Bet Car	1.6720	10200.	76	31145	No
288	GOM_NL__2PRFIN20080213_211049_000000372066_00029_31145_5539.N1	13-FEB-2008 21:10:49	Dark	36.500	71	lot Car	2.2460	7700.0	73	31145	No
289	GOM_NL__2PRFIN20080213_211228_000000402066_00029_31145_5540.N1	13-FEB-2008 21:12:28	Dark	40.000	46	Del Vel	1.9540	10600.	80	31145	No
290	GOM_NL__2PRFIN20080213_211452_000000412066_00029_31145_5541.N1	13-FEB-2008 21:14:52	Straylight	40.500	34	Gam2Vel	1.7930	23000.	81	31145	No
291	GOM_NL__2PRFIN20080213_211656_000000382066_00029_31145_5542.N1	13-FEB-2008 21:16:56	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	31145	No
292	GOM_NL__2PRFIN20080213_212114_000000382066_00029_31145_5543.N1	13-FEB-2008 21:21:14	Straylight	38.000	132	15Rho Pup	2.8030	6900.0	76	31145	No
293	GOM_NL__2PRFIN20080213_212942_000000522066_00029_31145_5544.N1	13-FEB-2008 21:29:42	Bright	52.000	8	10Alp CMi	0.40000	6500.0	104	31145	No
294	GOM_NL__2PRFIN20080213_213601_000000382066_00029_31145_5545.N1	13-FEB-2008 21:36:01	Bright	37.500	17	78Bet Gem	1.1610	4500.0	75	31145	No
295	GOM_NL__2PRFIN20080213_215325_000000372066_00029_31145_5546.N1	13-FEB-2008 21:53:25	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	31145	No
296	GOM_NL__2PRFIN20080213_220016_000000362066_00029_31145_5547.N1	13-FEB-2008 22:00:16	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31145	No
297	GOM_NL__2PRFIN20080213_220524_000000342066_00029_31145_5548.N1	13-FEB-2008 22:05:24	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	31145	No
298	GOM_NL__2PRFIN20080213_220701_000000332066_00029_31145_5549.N1	13-FEB-2008 22:07:01	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	31145	No
299	GOM_NL__2PRFIN20080213_221512_000000332066_00029_31145_5550.N1	13-FEB-2008 22:15:12	Bright	32.500	168	17Zet Aql	2.9860	11000.	65	31145	No
300	GOM_NL__2PRFIN20080213_222624_000000422066_00029_31145_5551.N1	13-FEB-2008 22:26:24	Twilight	42.000	57	34Sig Sgr	2.0660	26000.	84	31145	No
301	GOM_NL__2PRFIN20080213_222907_000000382066_00029_31145_5552.N1	13-FEB-2008 22:29:07	Dark	38.000	38	20Eps Sgr	1.8360	11000.	76	31145	No
302	GOM_NL__2PRFIN20080213_223110_000000422066_00029_31145_5553.N1	13-FEB-2008 22:31:10	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	31145	No
303	GOM_NL__2PRFIN20080213_223229_000000472066_00029_31145_5554.N1	13-FEB-2008 22:32:29	Dark	46.500	40	The Sco	1.8590	7100.0	93	31145	No
304	GOM_NL__2PRFIN20080213_223416_000000382066_00029_31145_5555.N1	13-FEB-2008 22:34:16	Dark	37.500	147	Alp Ara	2.8770	26000.	75	31145	No
305	GOM_NL__2PRFIN20080213_223544_000000382066_00029_31145_5556.N1	13-FEB-2008 22:35:44	Dark	37.500	141	Bet Ara	2.8400	4600.0	75	31145	No
306	GOM_NL__2PRFIN20080213_224148_000000552066_00030_31146_5547.N1	13-FEB-2008 22:41:48	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	31146	No
307	GOM_NL__2PRFIN20080213_224306_000000462066_00030_31146_5548.N1	13-FEB-2008 22:43:06	Dark	46.000	10	Bet Cen	0.61000	28000.	92	31146	No
308	GOM_NL__2PRFIN20080213_224614_000000452066_00030_31146_5549.N1	13-FEB-2008 22:46:14	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	31146	No
309	GOM_NL__2PRFIN20080213_224850_000000372066_00030_31146_5550.N1	13-FEB-2008 22:48:50	Dark	37.000	29	Bet Car	1.6720	10200.	74	31146	No
310	GOM_NL__2PRFIN20080213_225125_000000412066_00030_31146_5551.N1	13-FEB-2008 22:51:25	Dark	41.000	71	lot Car	2.2460	7700.0	82	31146	No
311	GOM_NL__2PRFIN20080213_225304_000000372066_00030_31146_5552.N1	13-FEB-2008 22:53:04	Dark	37.000	46	Del Vel	1.9540	10600.	74	31146	No
312	GOM_NL__2PRFIN20080213_225528_000000412066_00030_31146_5553.N1	13-FEB-2008 22:55:28	Straylight	41.000	34	Gam2Vel	1.7930	23000.	82	31146	No
313	GOM_NL__2PRFIN20080213_225732_000000372066_00030_31146_5554.N1	13-FEB-2008 22:57:32	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	31146	No
314	GOM_NL__2PRFIN20080213_230150_000000392066_00030_31146_5555.N1	13-FEB-2008 23:01:50	Straylight	38.500	132	15Rho Pup	2.8030	6900.0	77	31146	No
315	GOM_NL__2PRFIN20080213_231018_000000462066_00030_31146_5556.N1	13-FEB-2008 23:10:18	Bright	46.000	8	10Alp CMi	0.40000	6500.0	92	31146	No
316	GOM_NL__2PRFIN20080213_231637_000000382066_00030_31146_5557.N1	13-FEB-2008 23:16:37	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	31146	No
317	GOM_NL__2PRFIN20080213_233401_000000352066_00030_31146_5558.N1	13-FEB-2008 23:34:01	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	31146	No
318	GOM_NL__2PRFIN20080213_234052_000000332066_00030_31146_5559.N1	13-FEB-2008 23:40:52	Bright	32.500	89	5Alp Cep	2.4510	8000.0	65	31146	No
319	GOM_NL__2PRFIN20080213_234600_000000342066_00030_31146_5560.N1	13-FEB-2008 23:46:00	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	31146	No
320	GOM_NL__2PRFIN20080213_234737_000000352066_00030_31146_5561.N1	13-FEB-2008 23:47:37	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31146	No
321	GOM_NL__2PRFIN20080213_235548_000000342066_00030_31146_5562.N1	13-FEB-2008 23:55:48	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	31146	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.

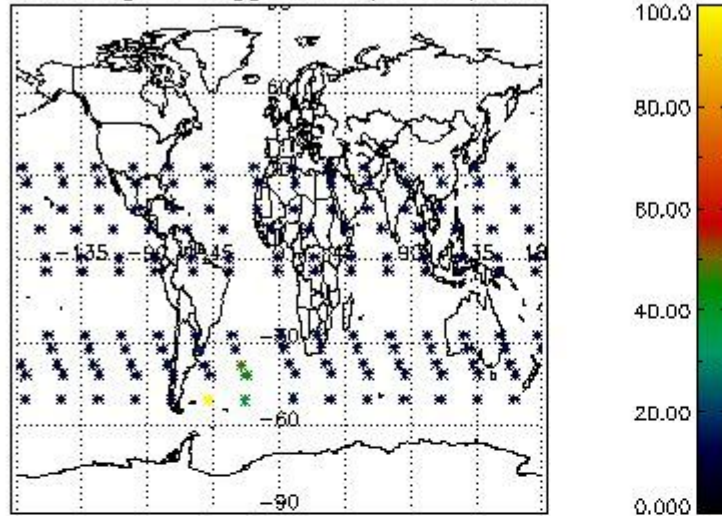
#### 3.1 Plot quality information per product (time dependant)



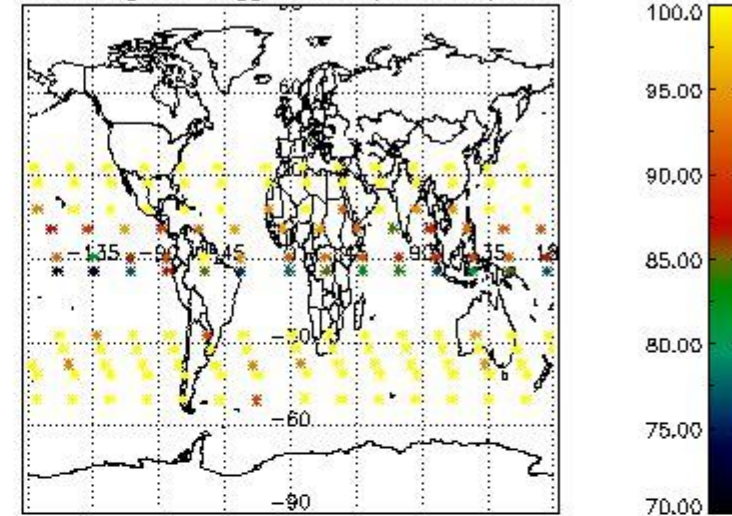
3.2 Plot quality information per product (world map)



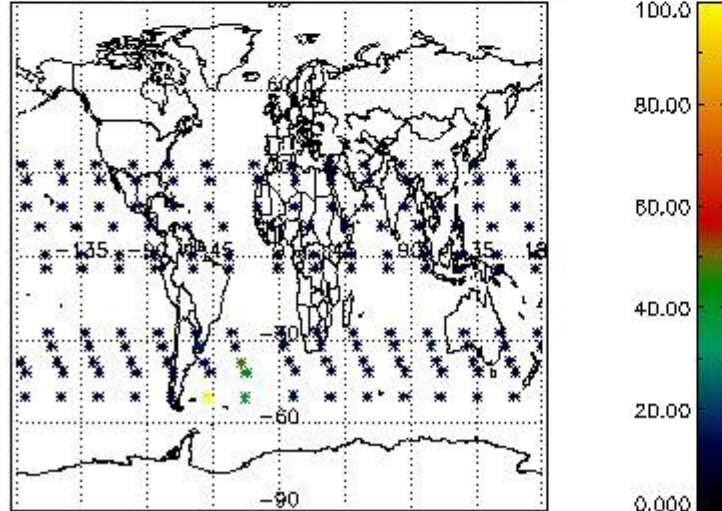
Percentage of flagged data per O3 profile



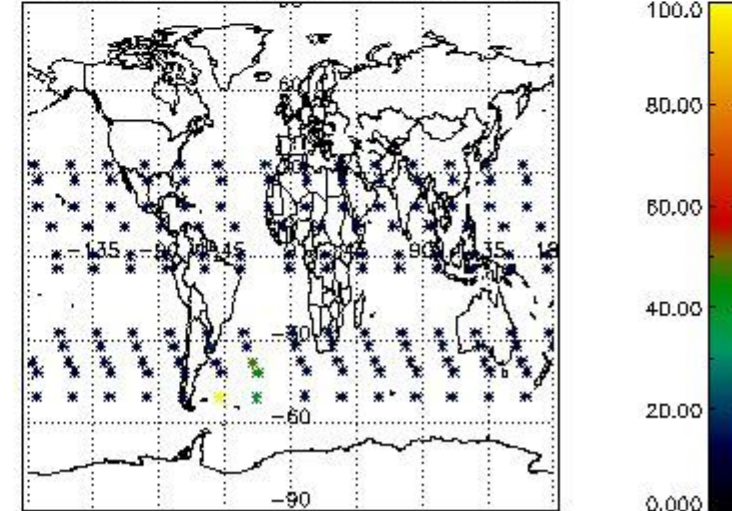
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

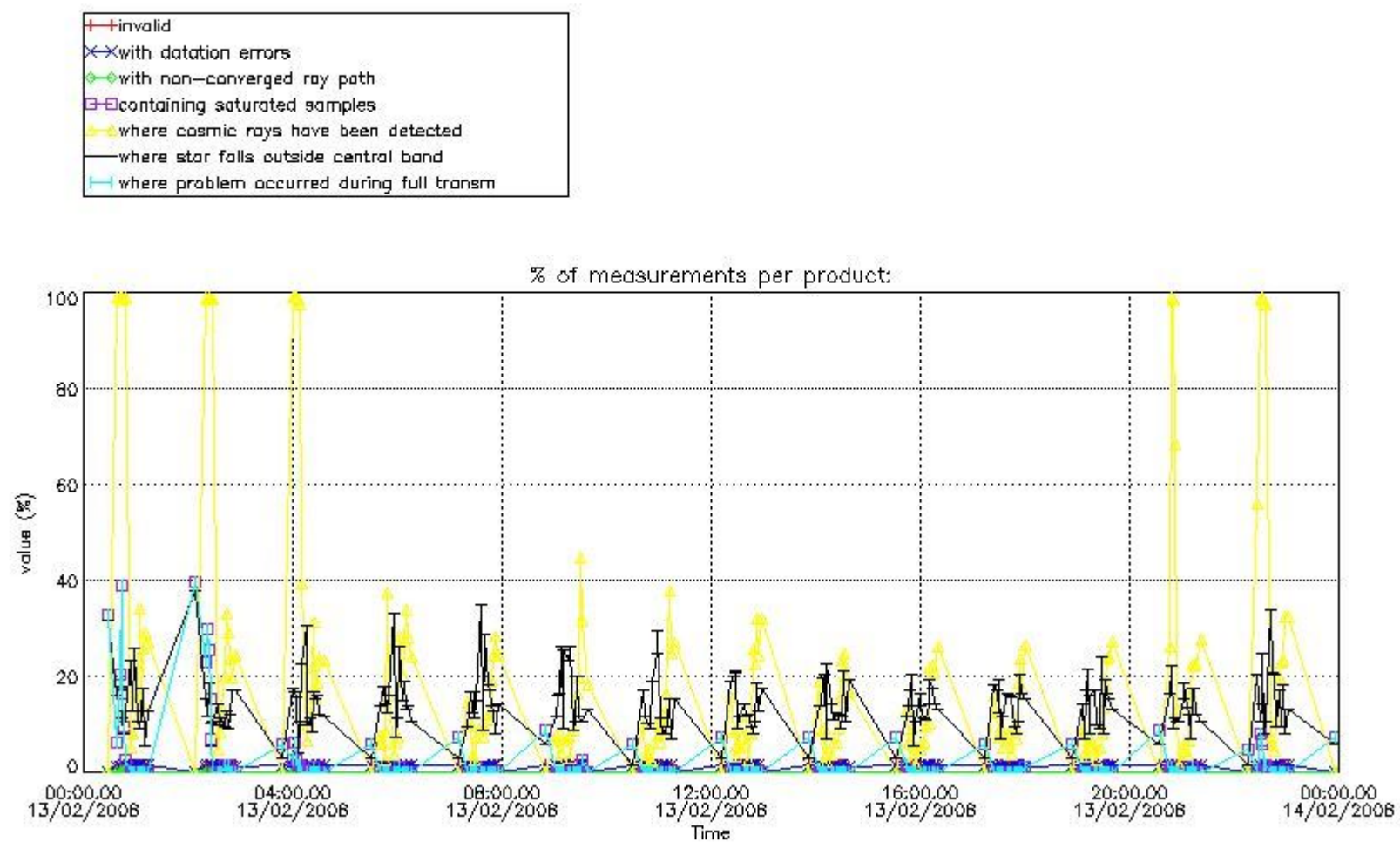


#### 4. Level 1 quality information per product

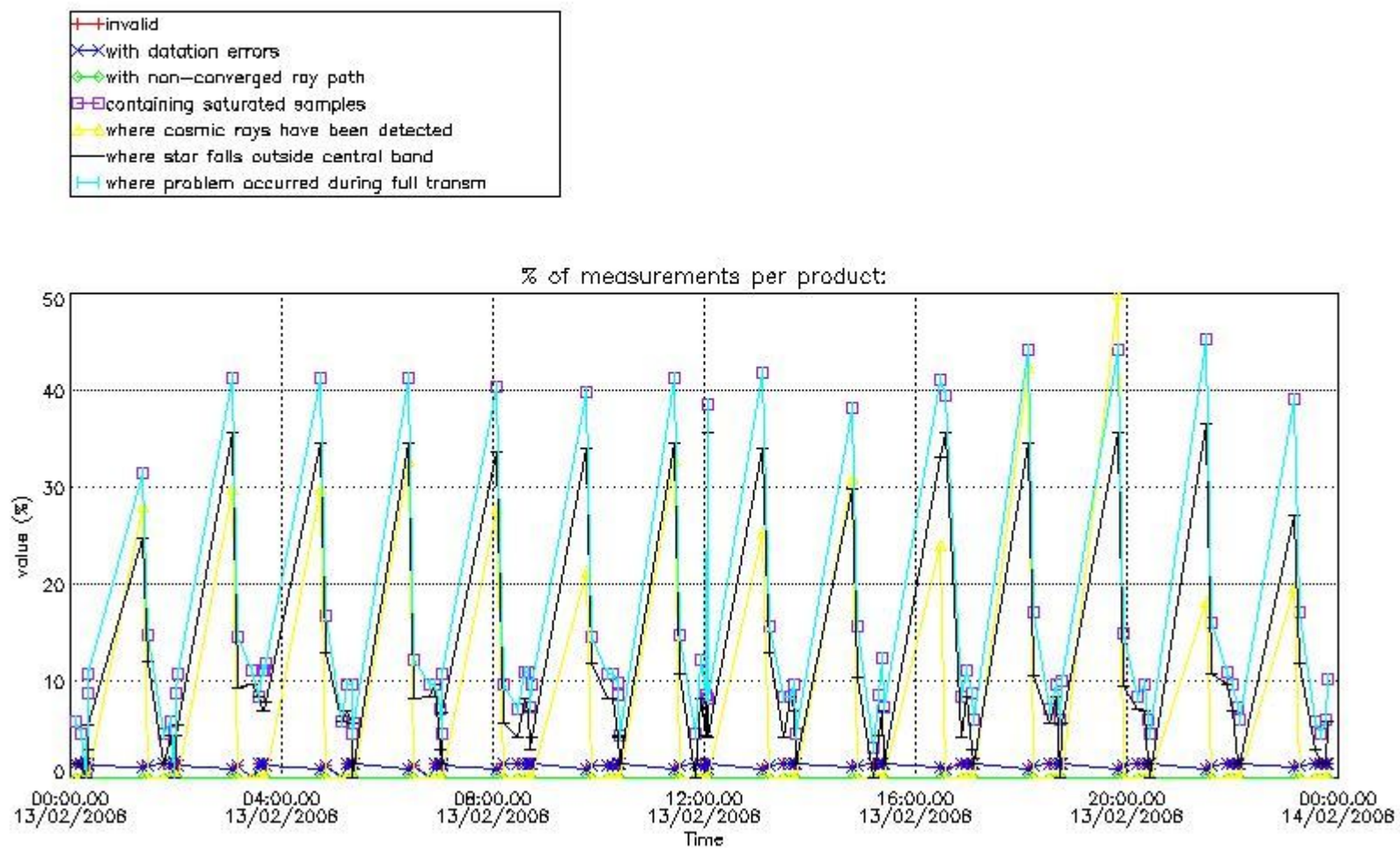
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



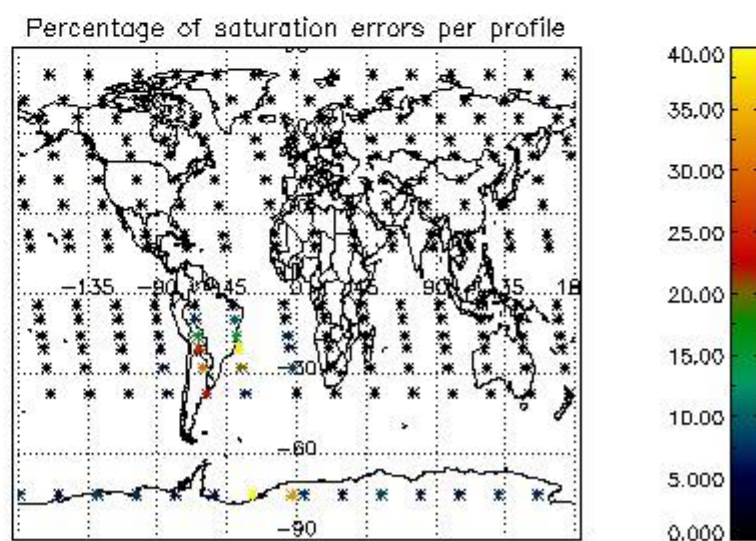
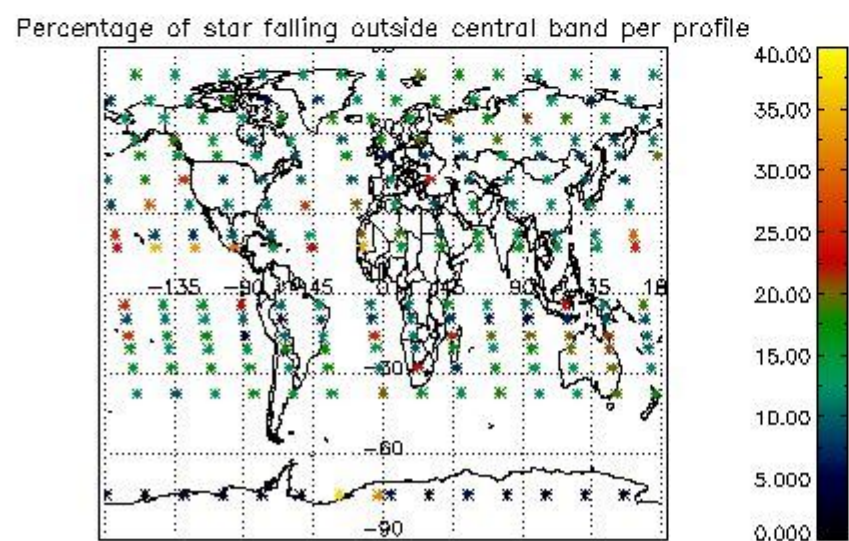
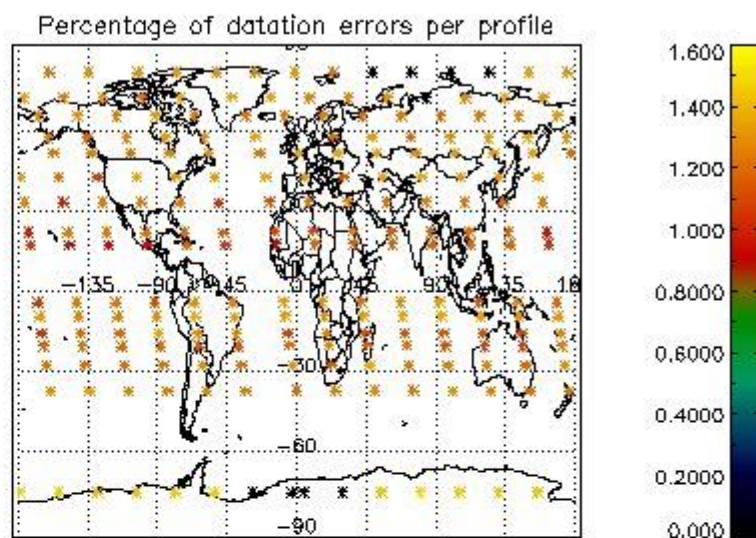
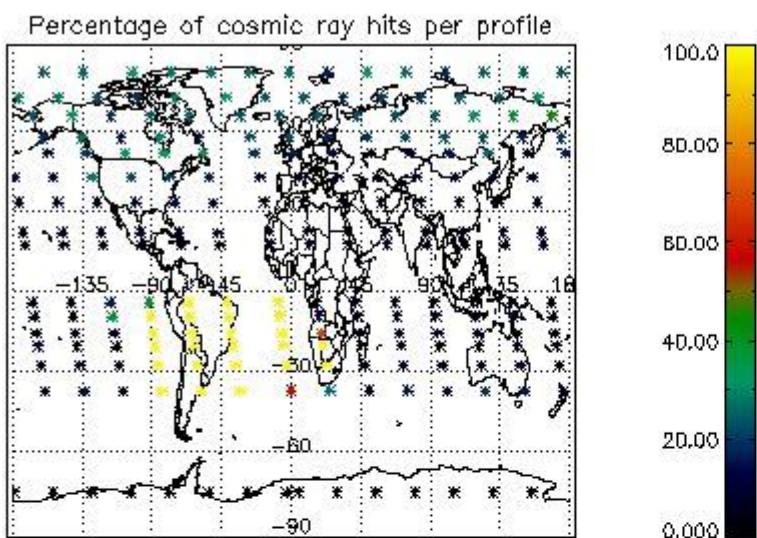
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



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

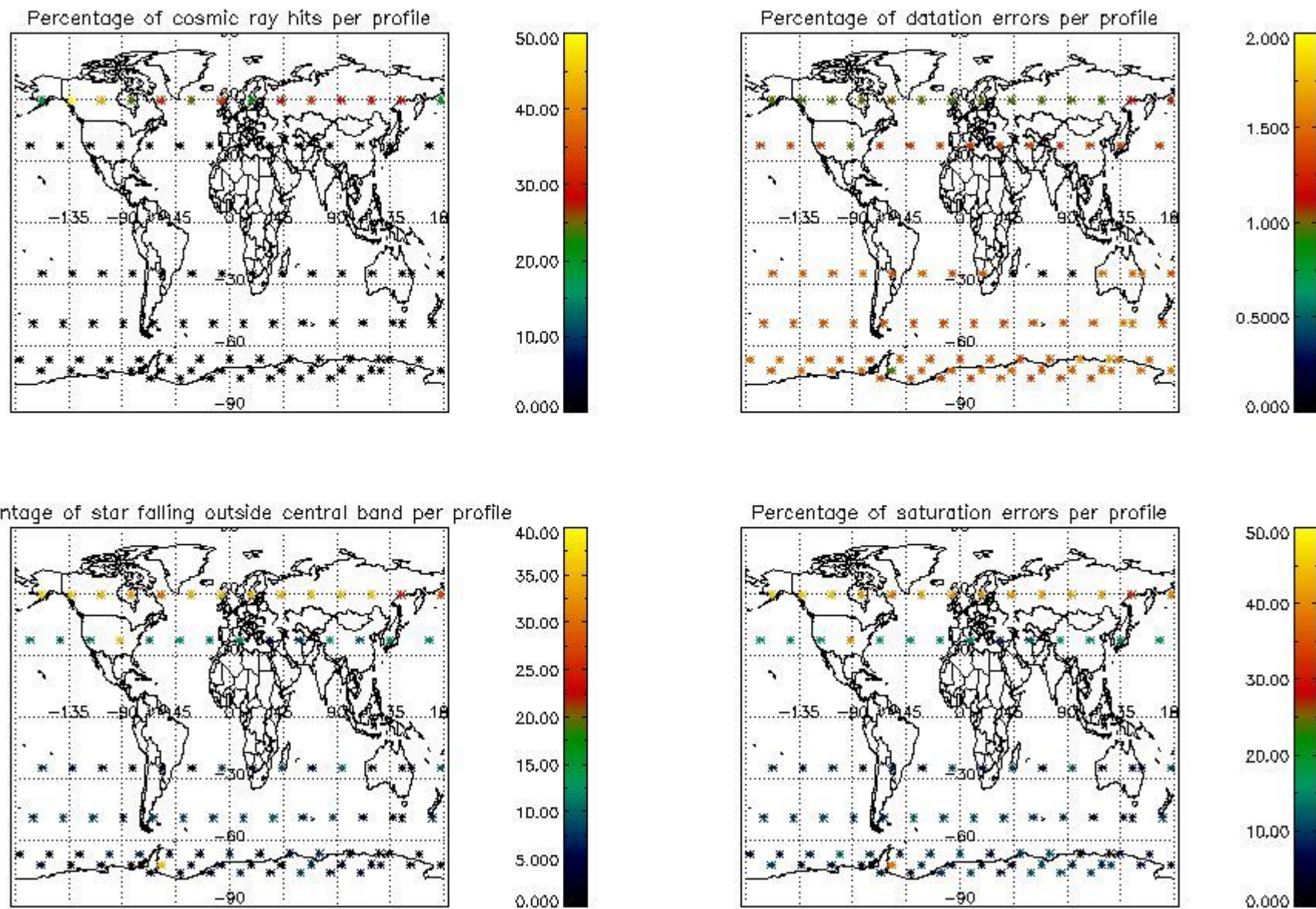
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes





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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

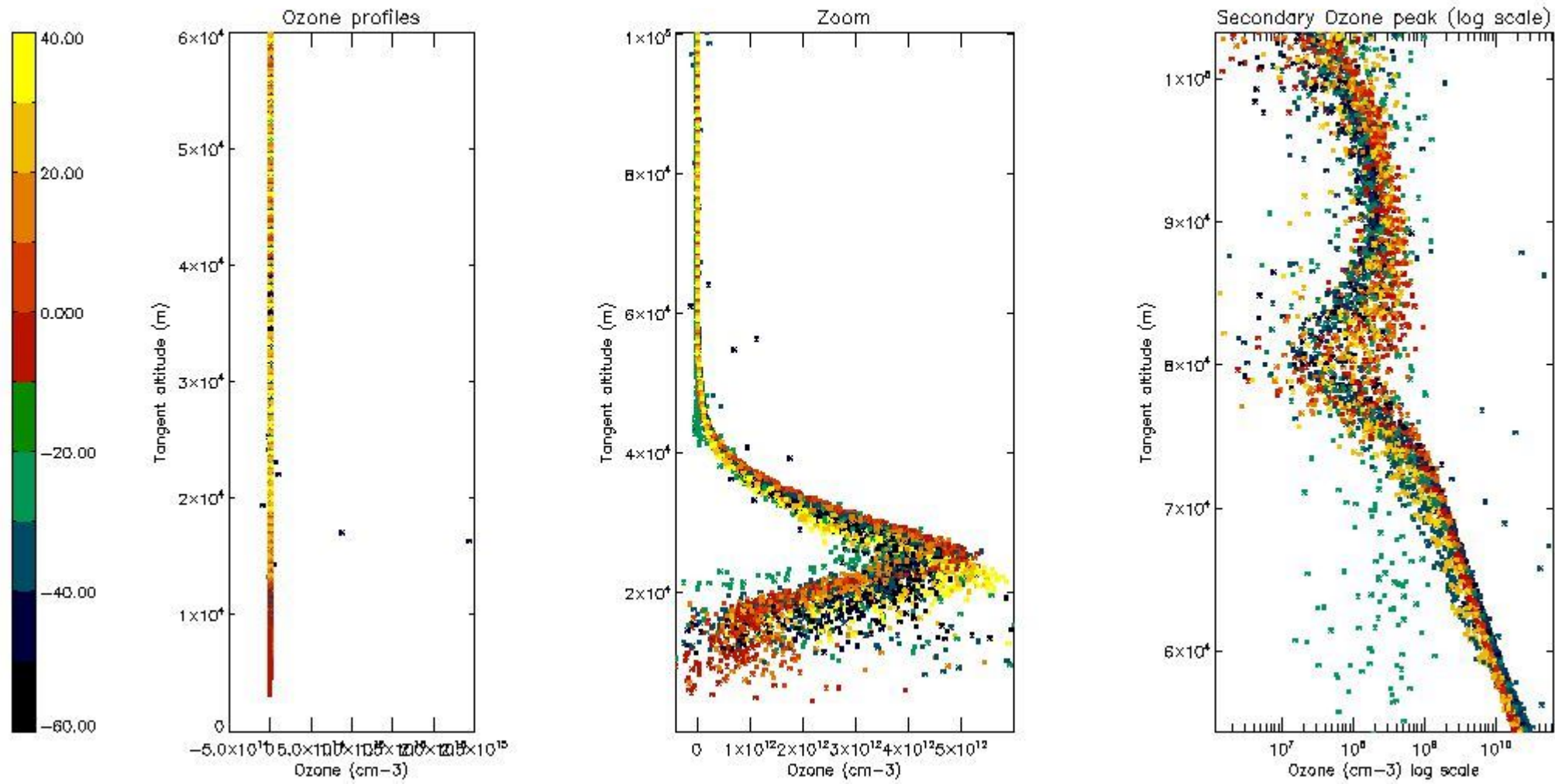
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	51
STD < 20	29

STD < 10	24
STD < 5	17

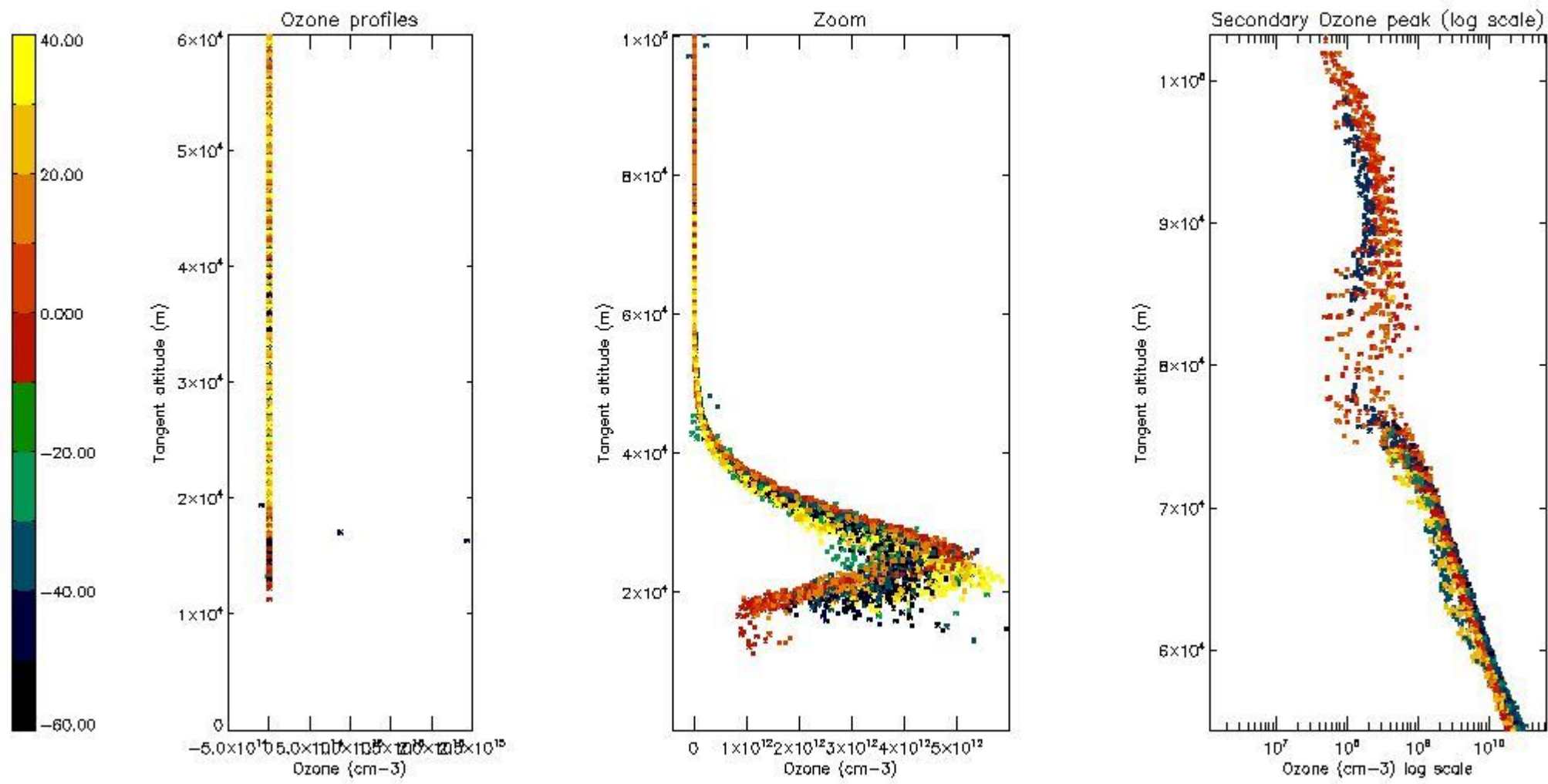
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

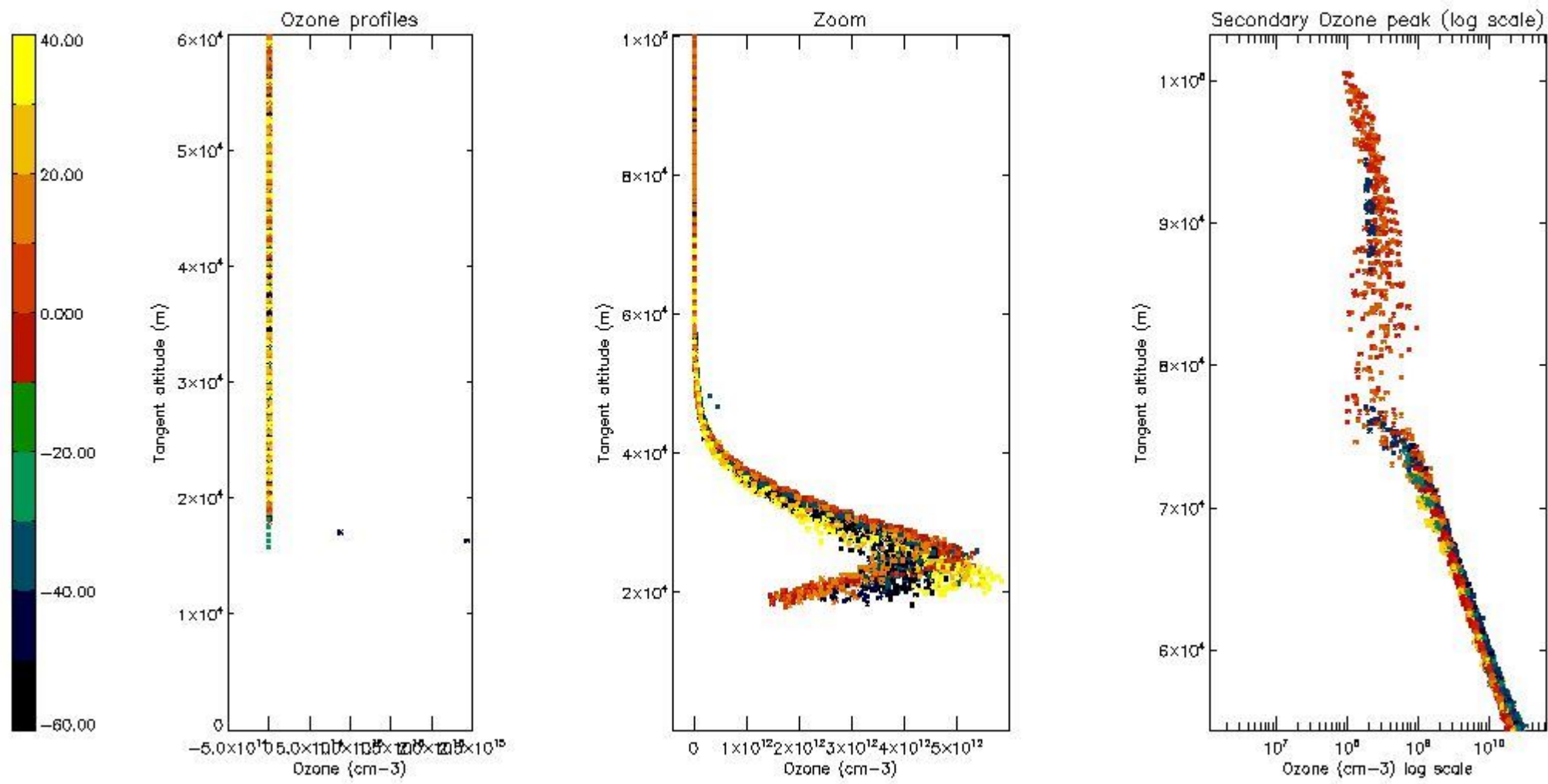
The colorbar represents the latitude.



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

The colorbar represents the latitude.

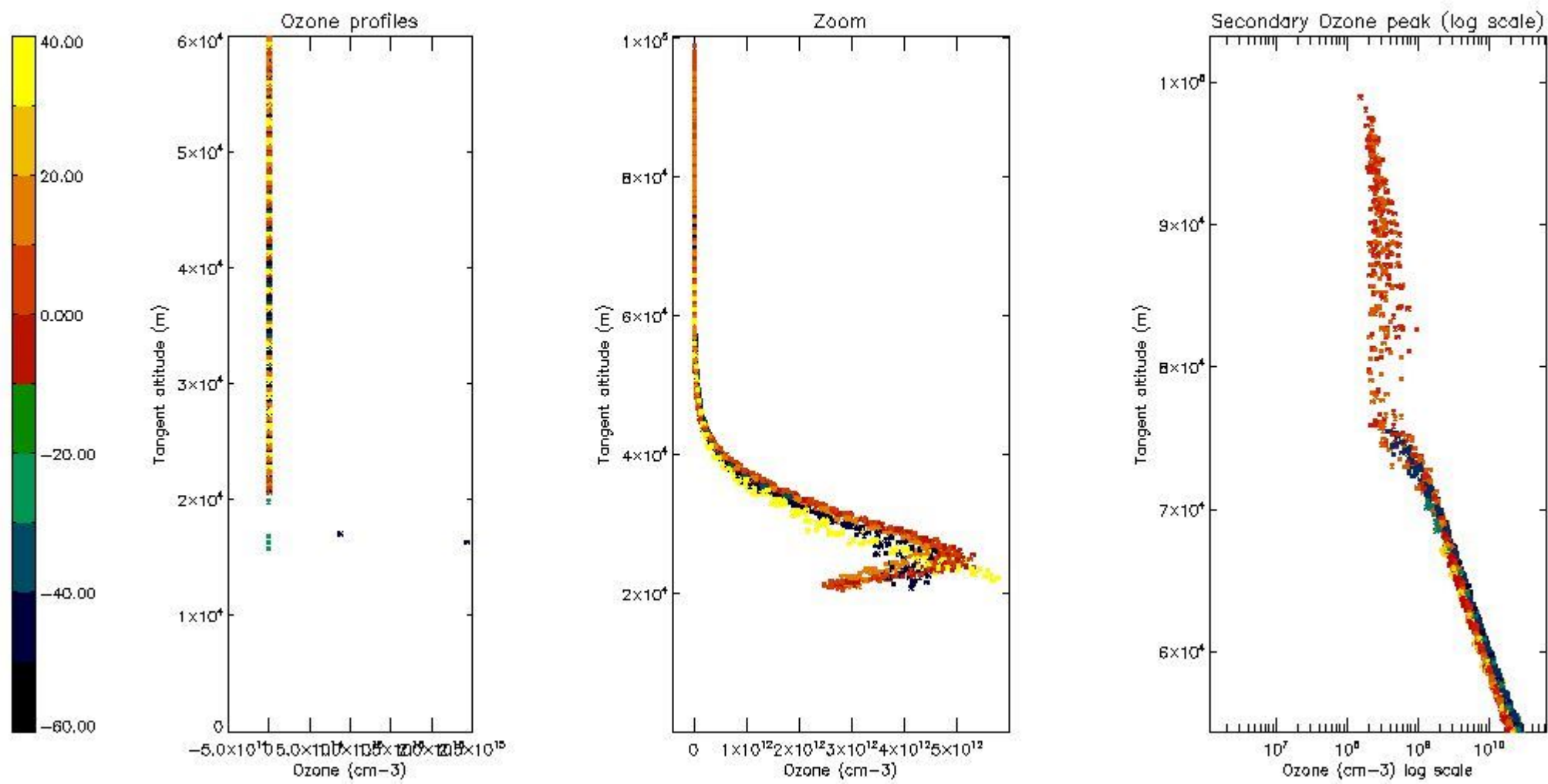




*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

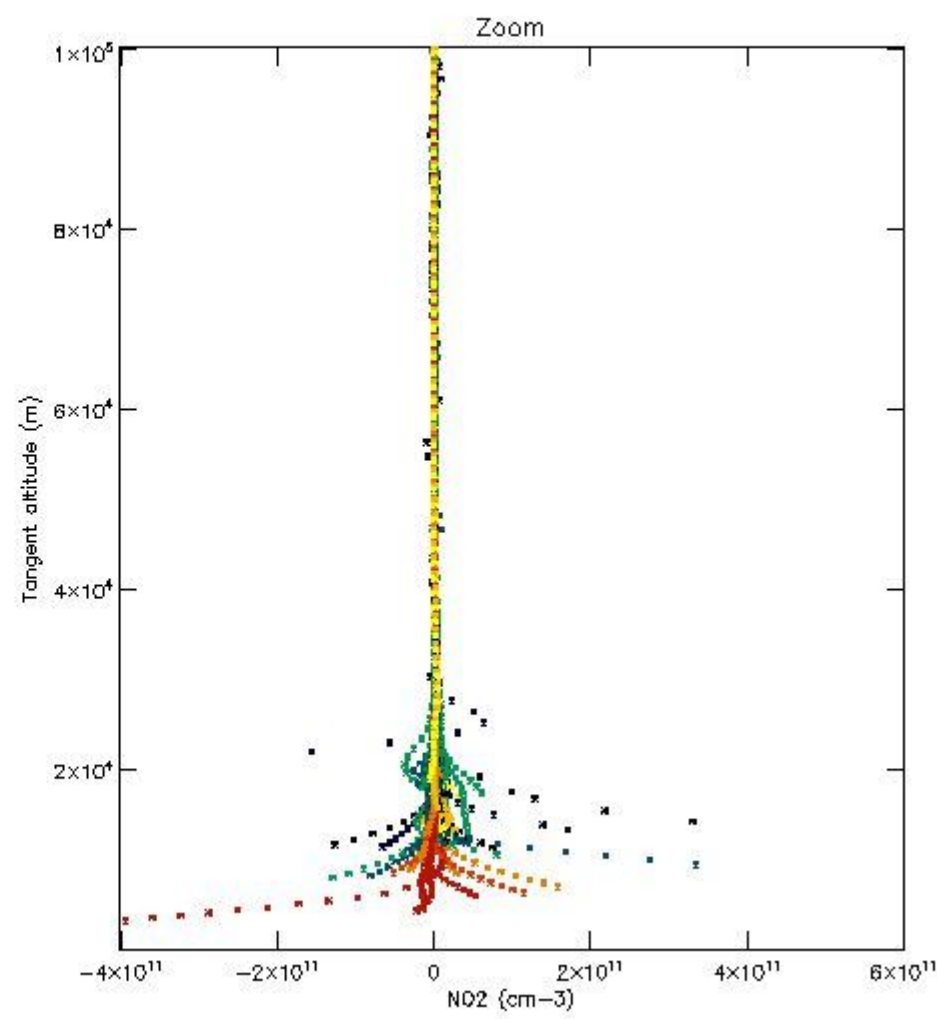
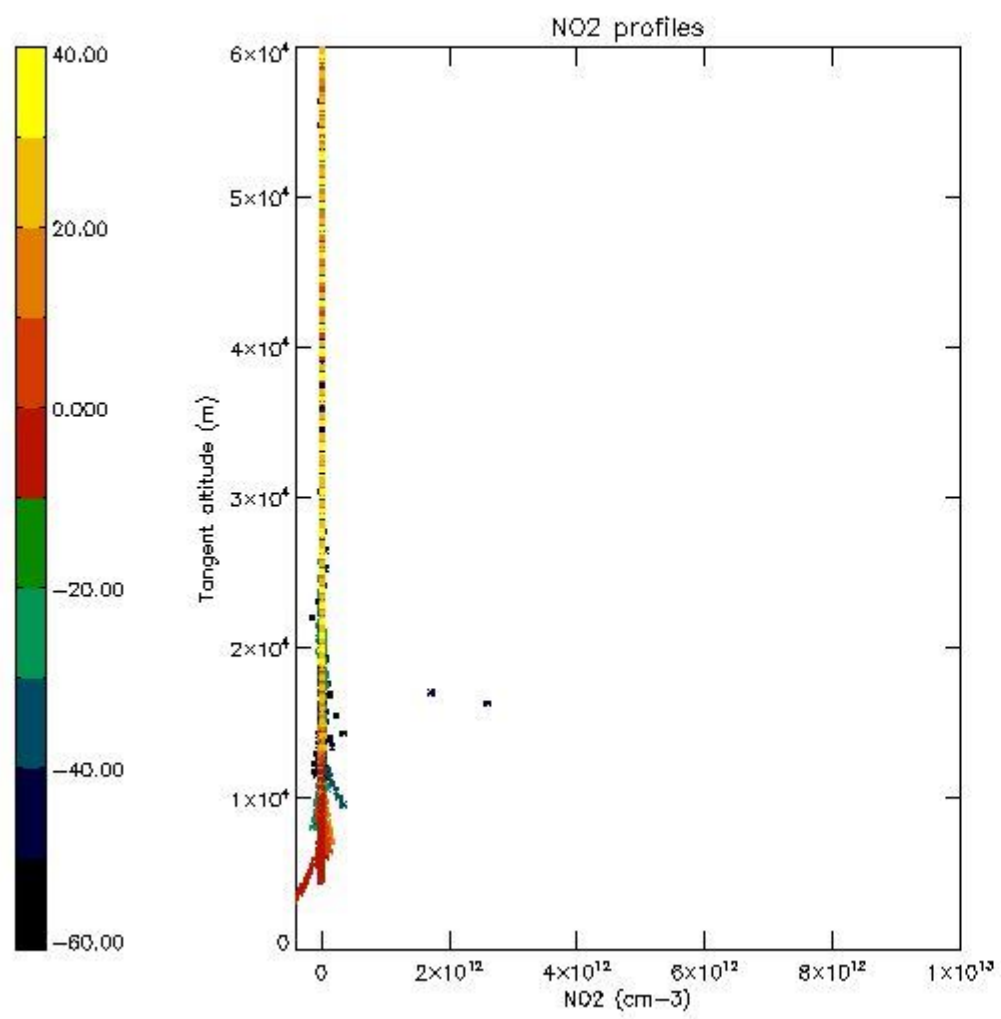
The colorbar represents the latitude.





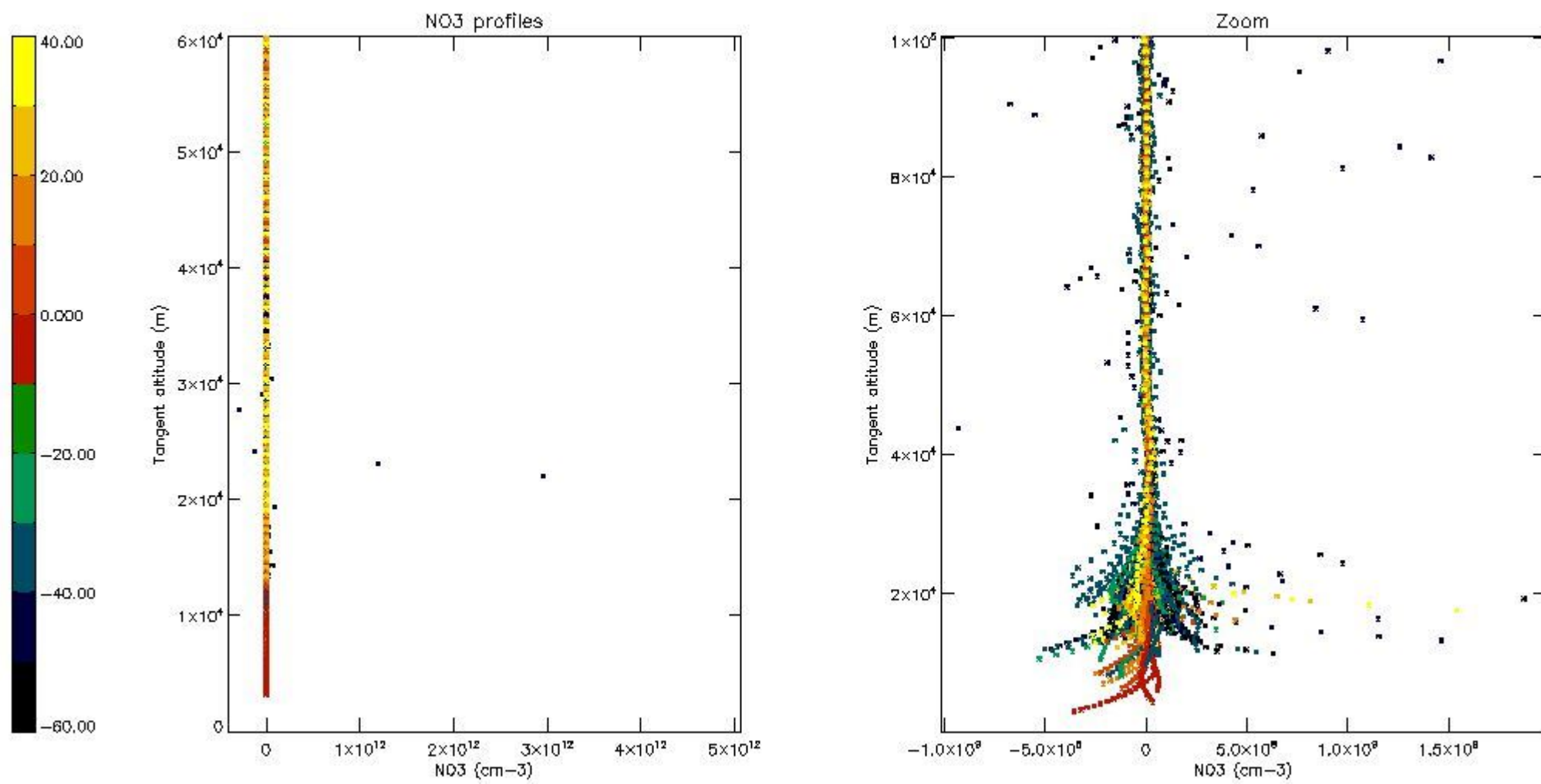
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



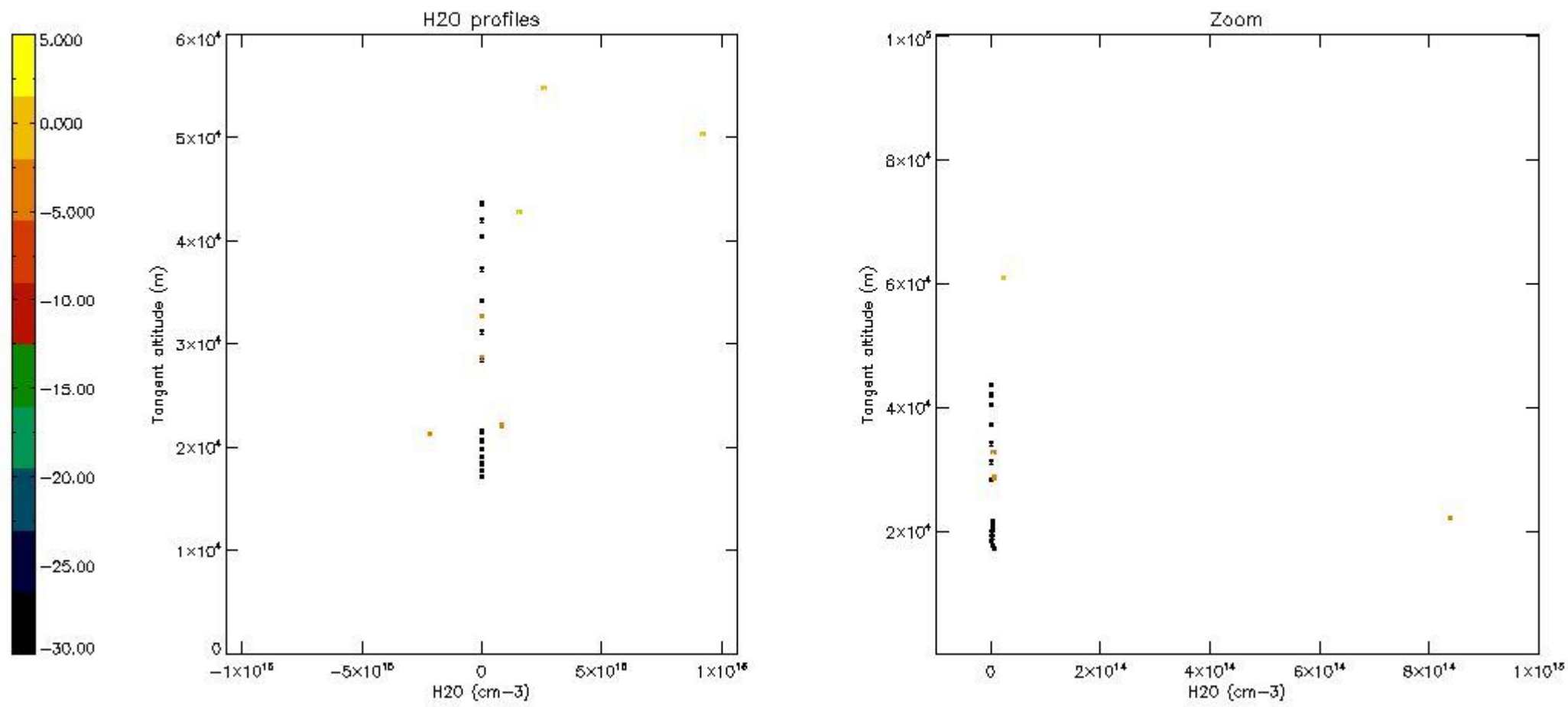
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

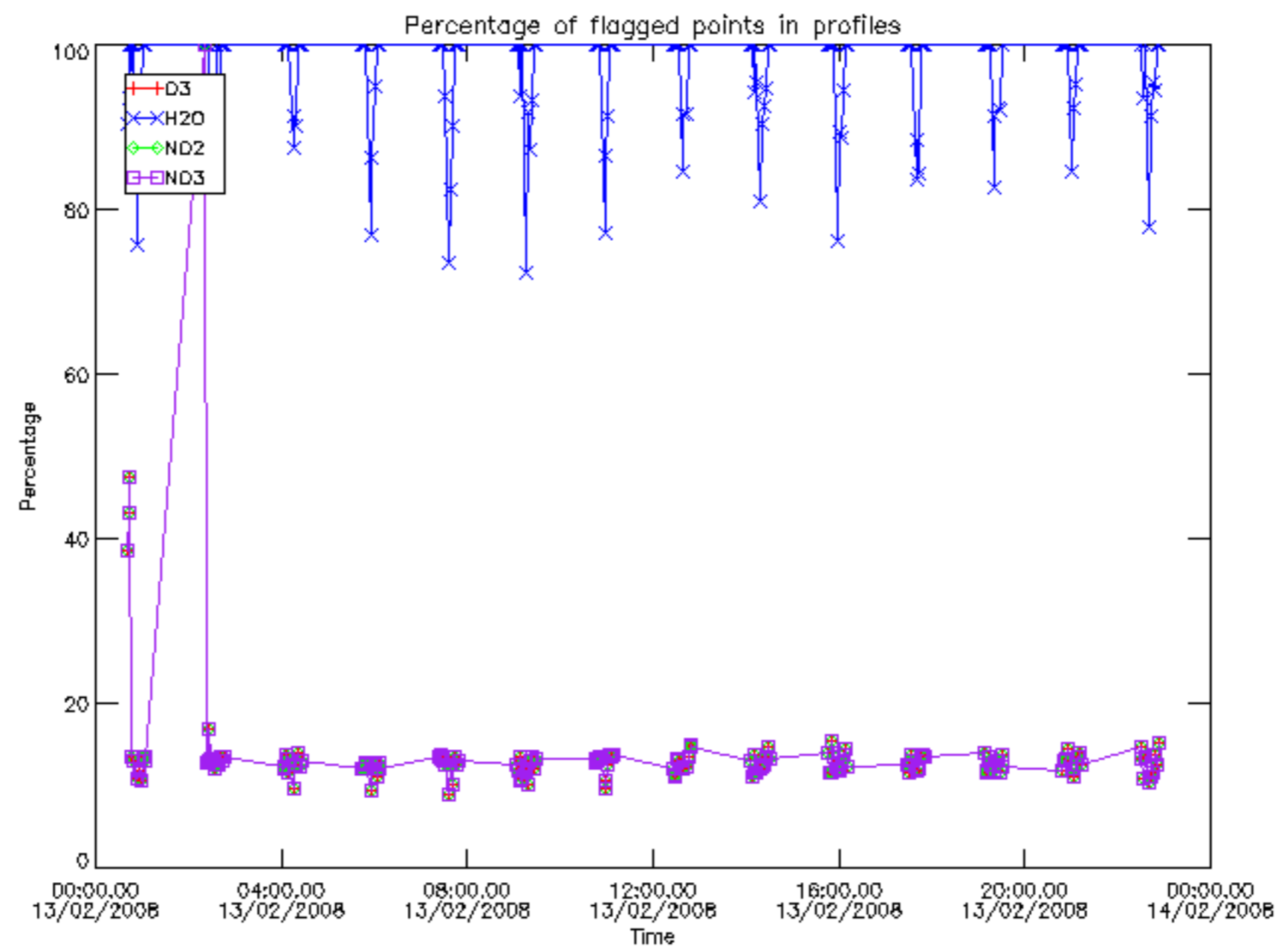


## 6. Auxiliary Data Files used for the production reported in section 2

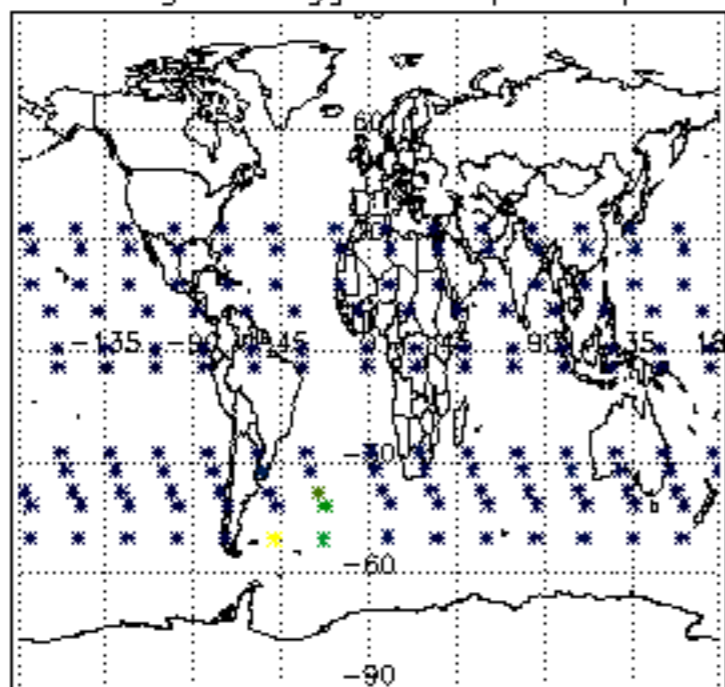
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-FEB-2008 00:05:37
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-FEB-2008 00:05:37
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-FEB-2008 00:05:37

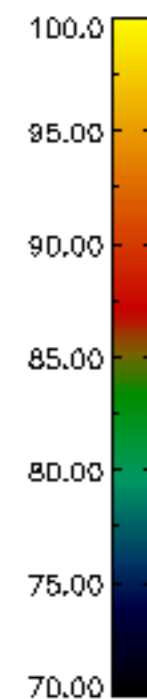
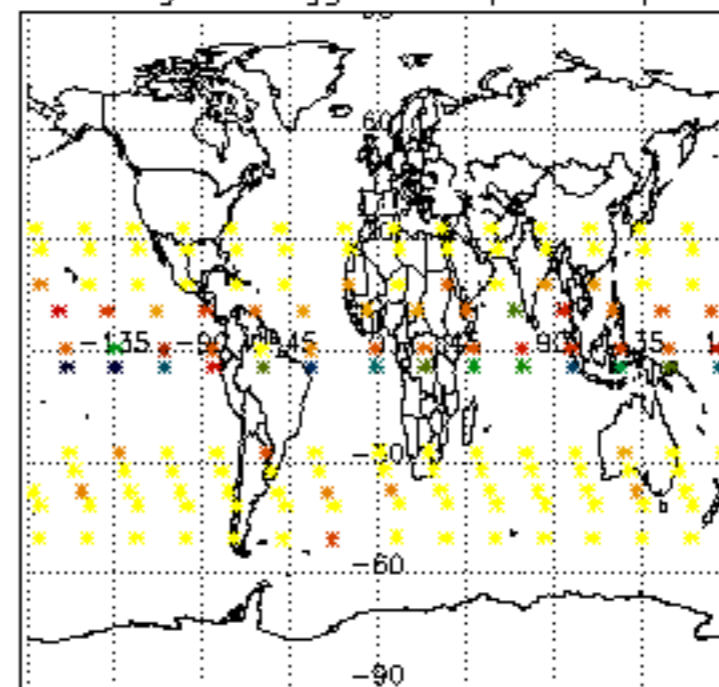




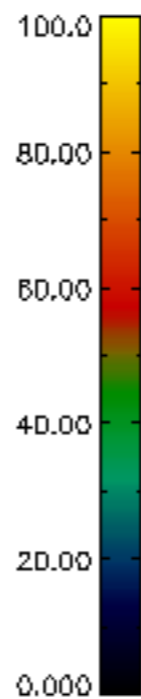
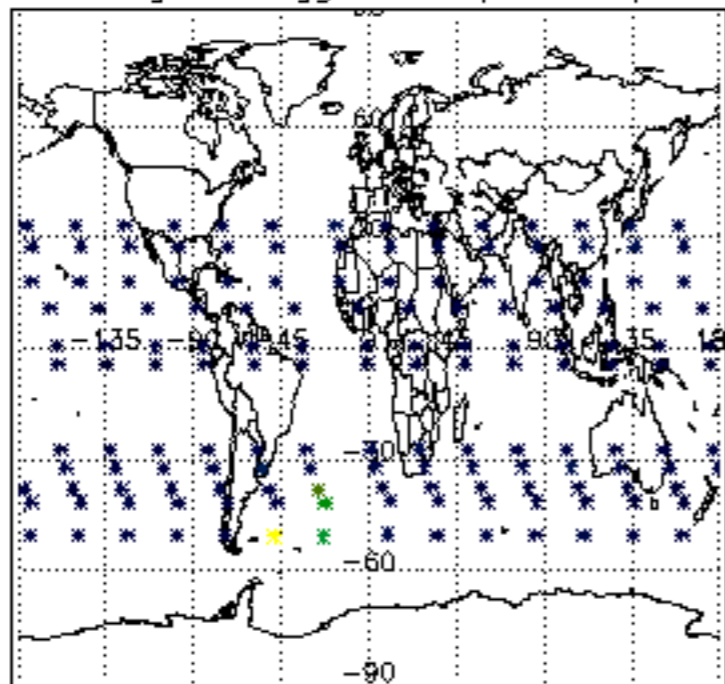
Percentage of flagged data per D3 profile



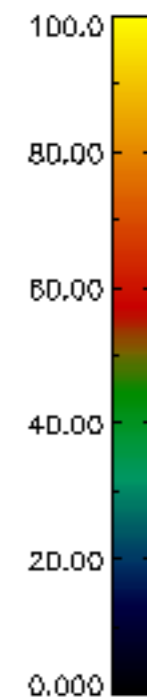
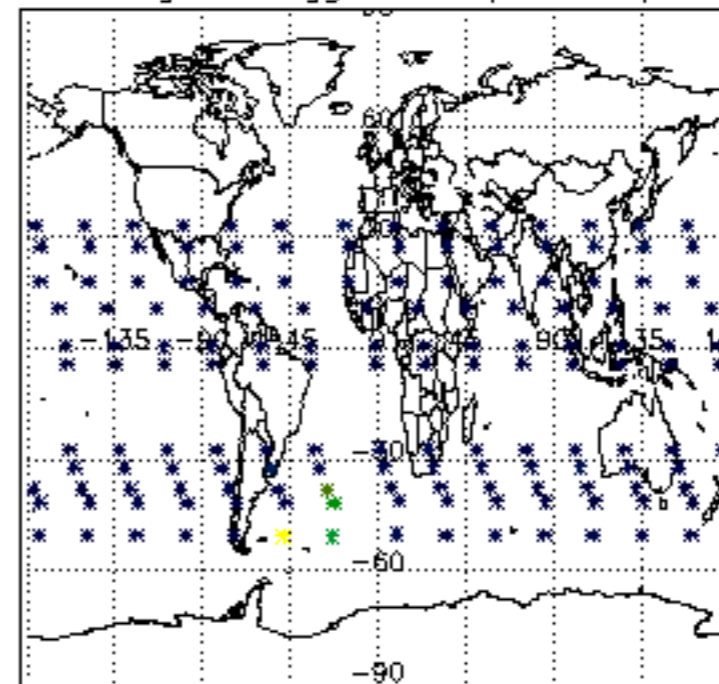
Percentage of flagged data per H2O profile

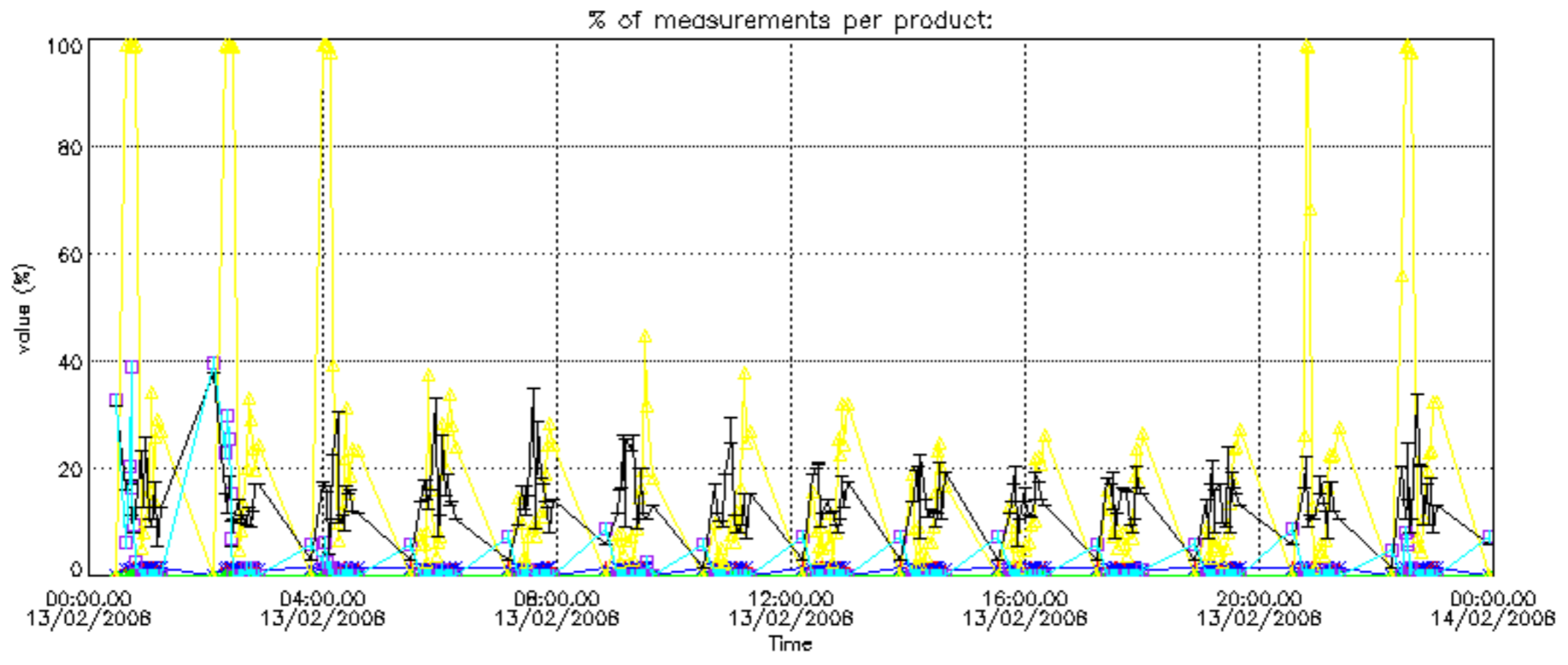


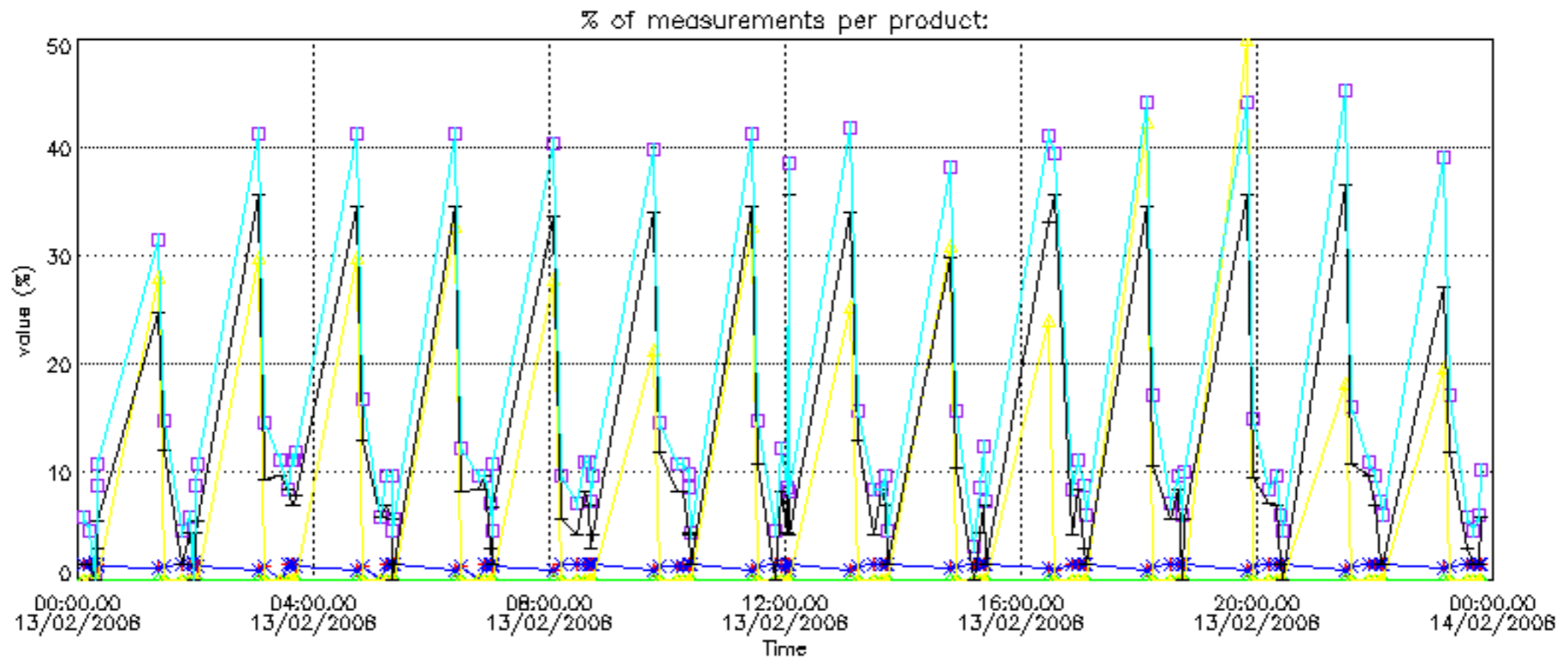
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

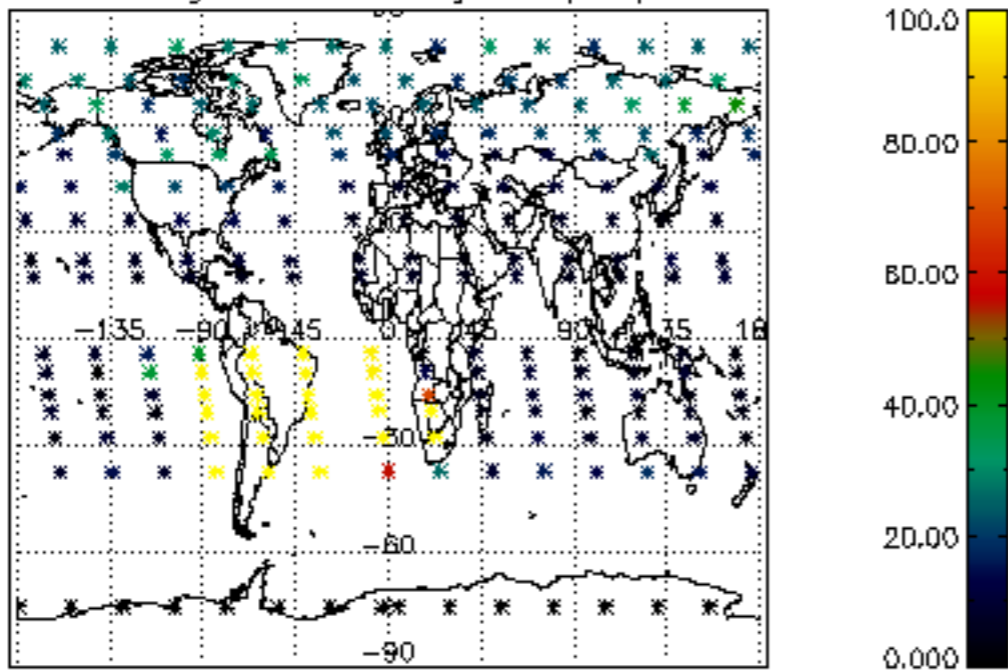




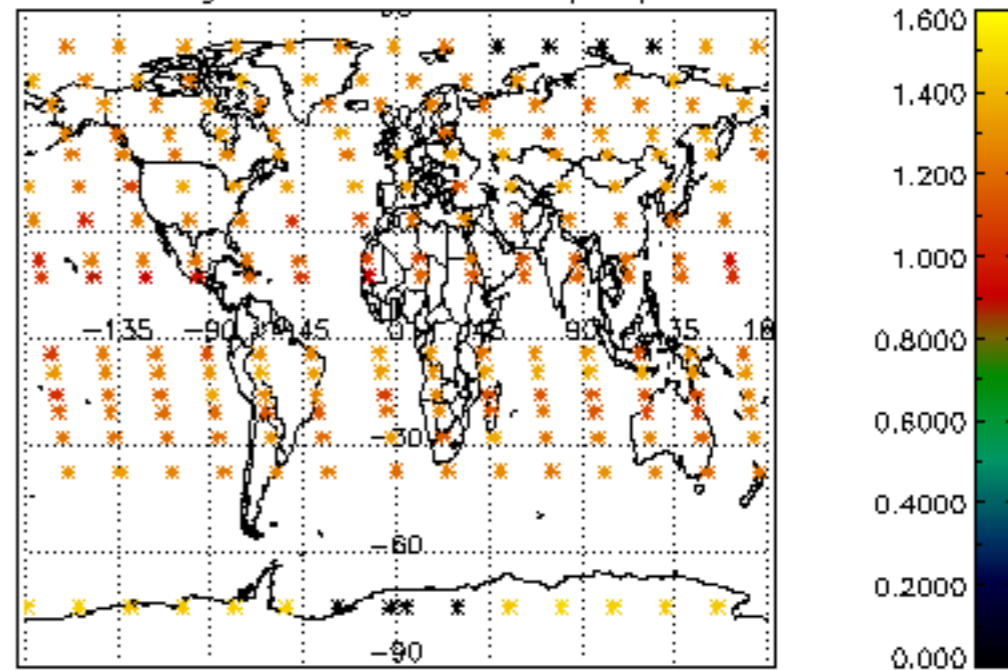




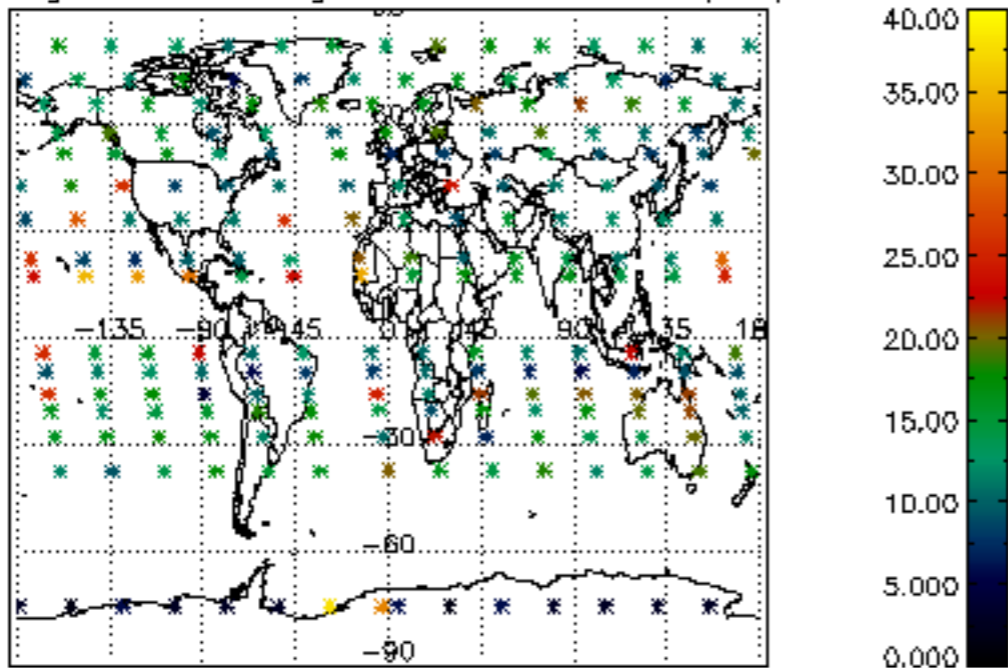
Percentage of cosmic ray hits per profile



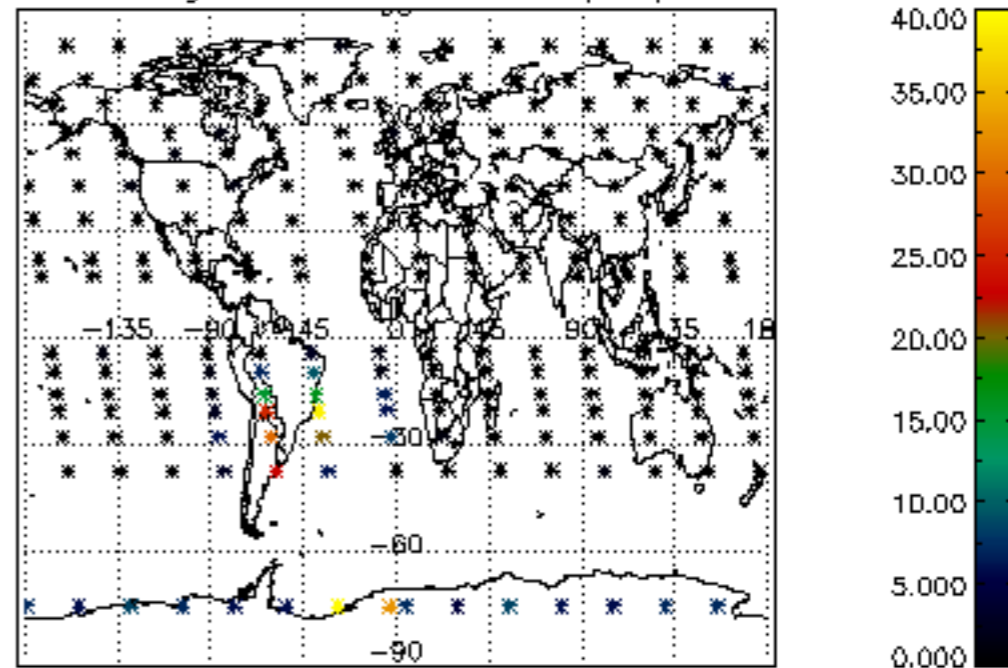
Percentage of datation errors per profile



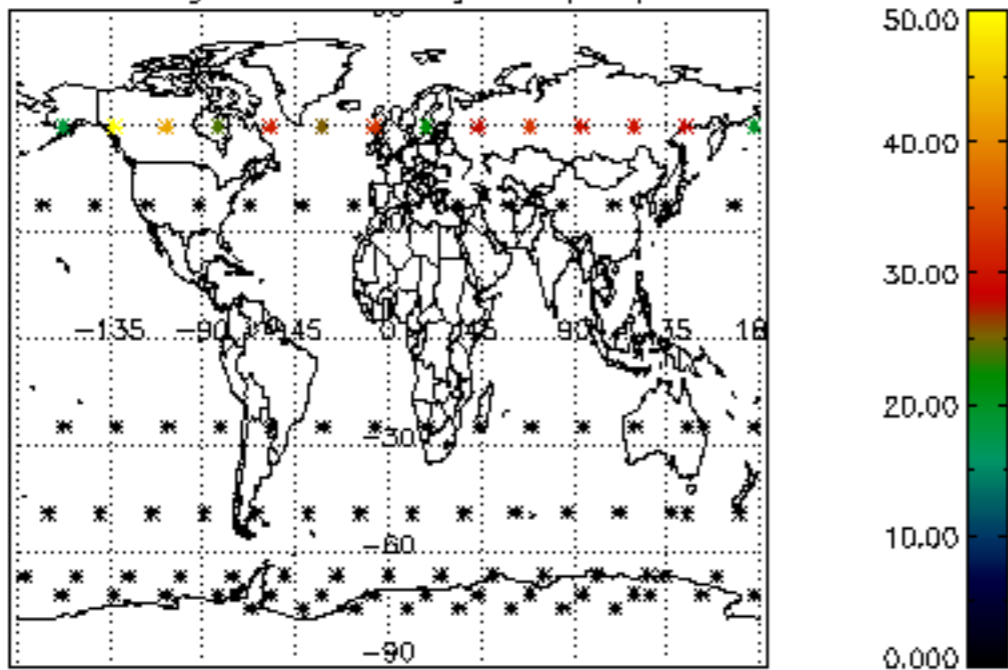
Percentage of star falling outside central band per profile



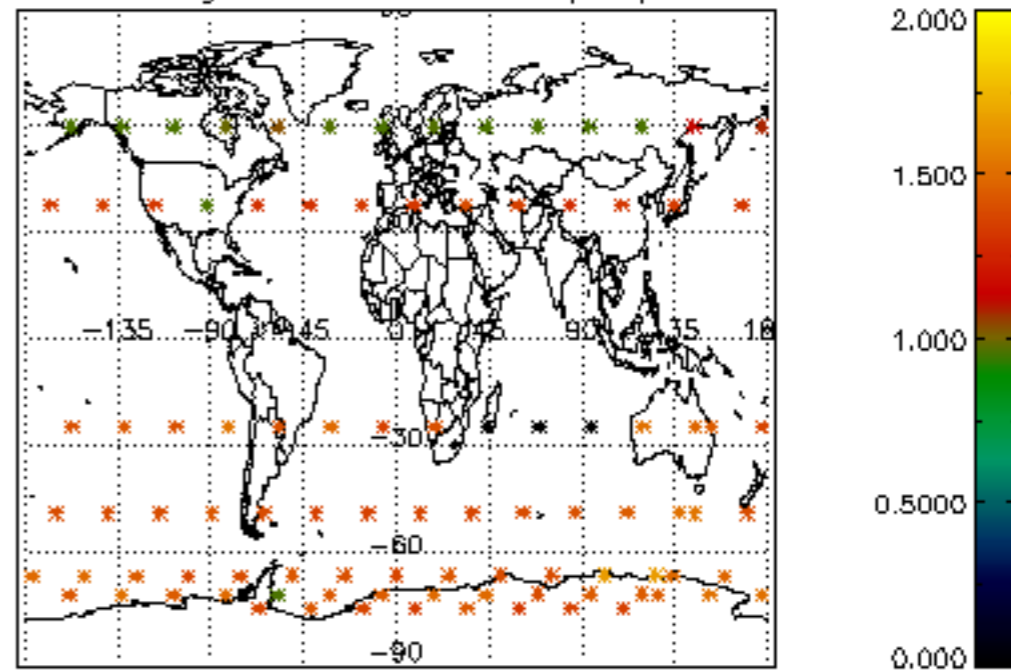
Percentage of saturation errors per profile



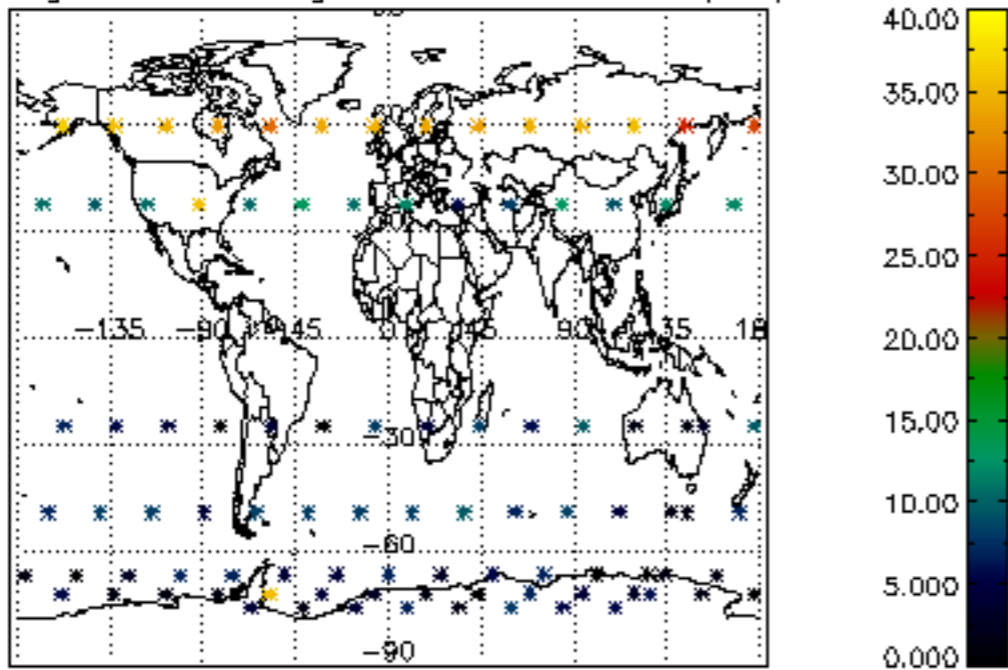
Percentage of cosmic ray hits per profile



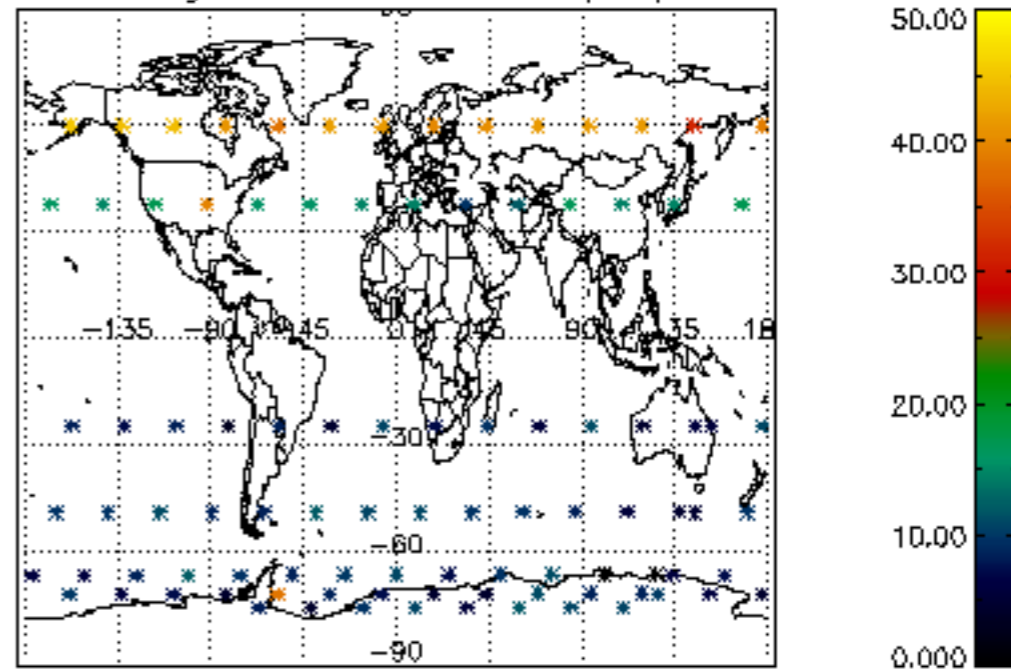
Percentage of datation errors per profile

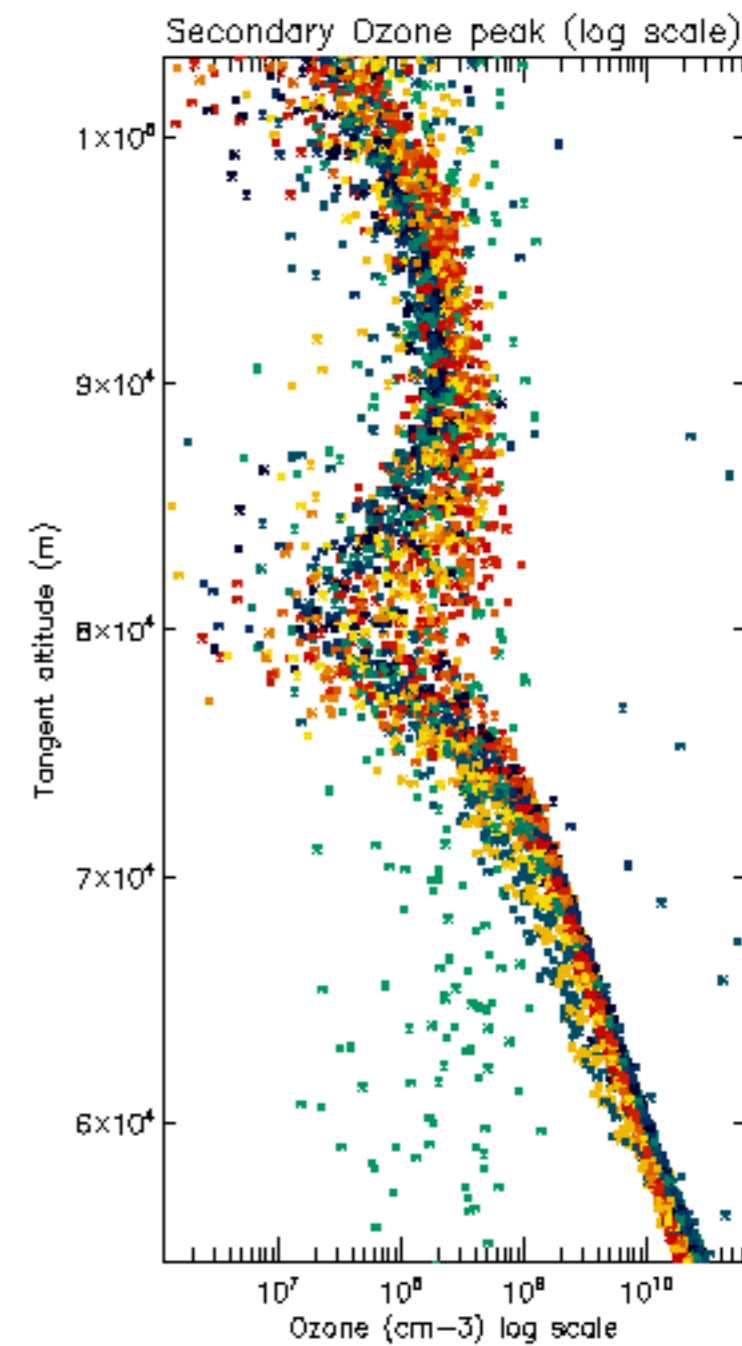
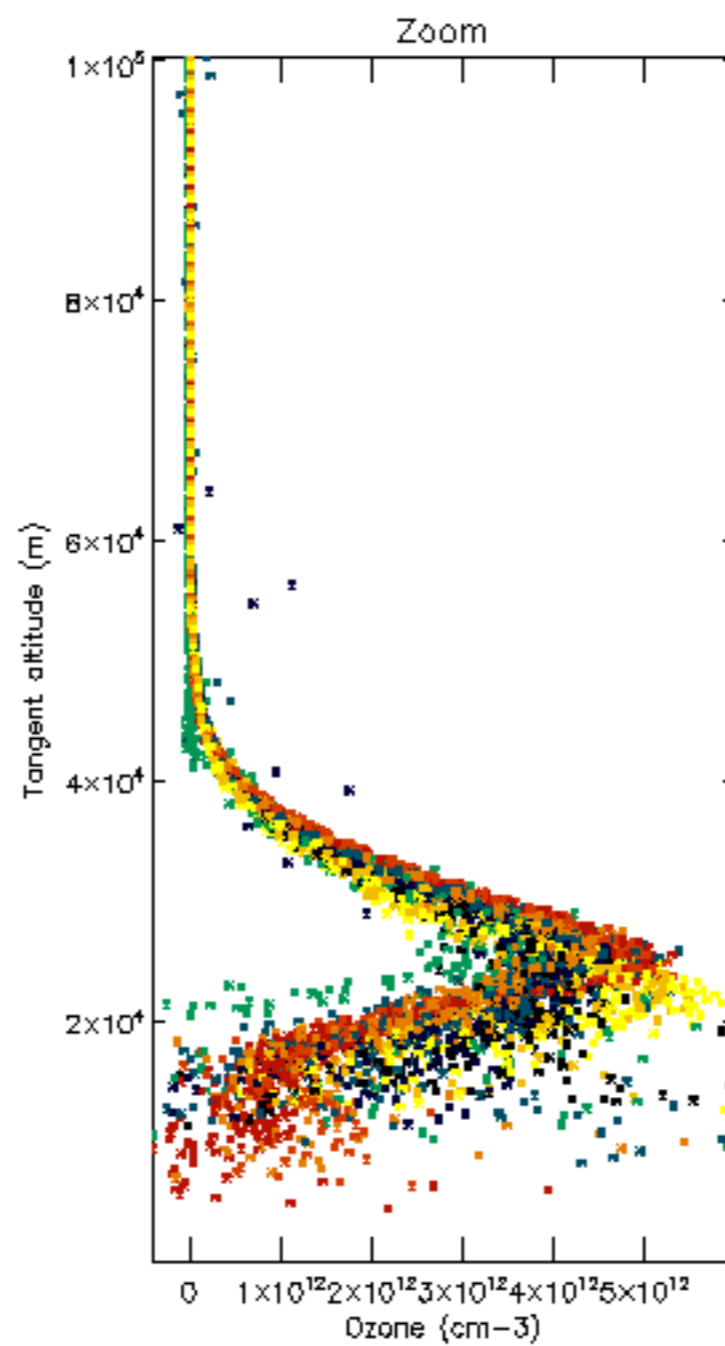
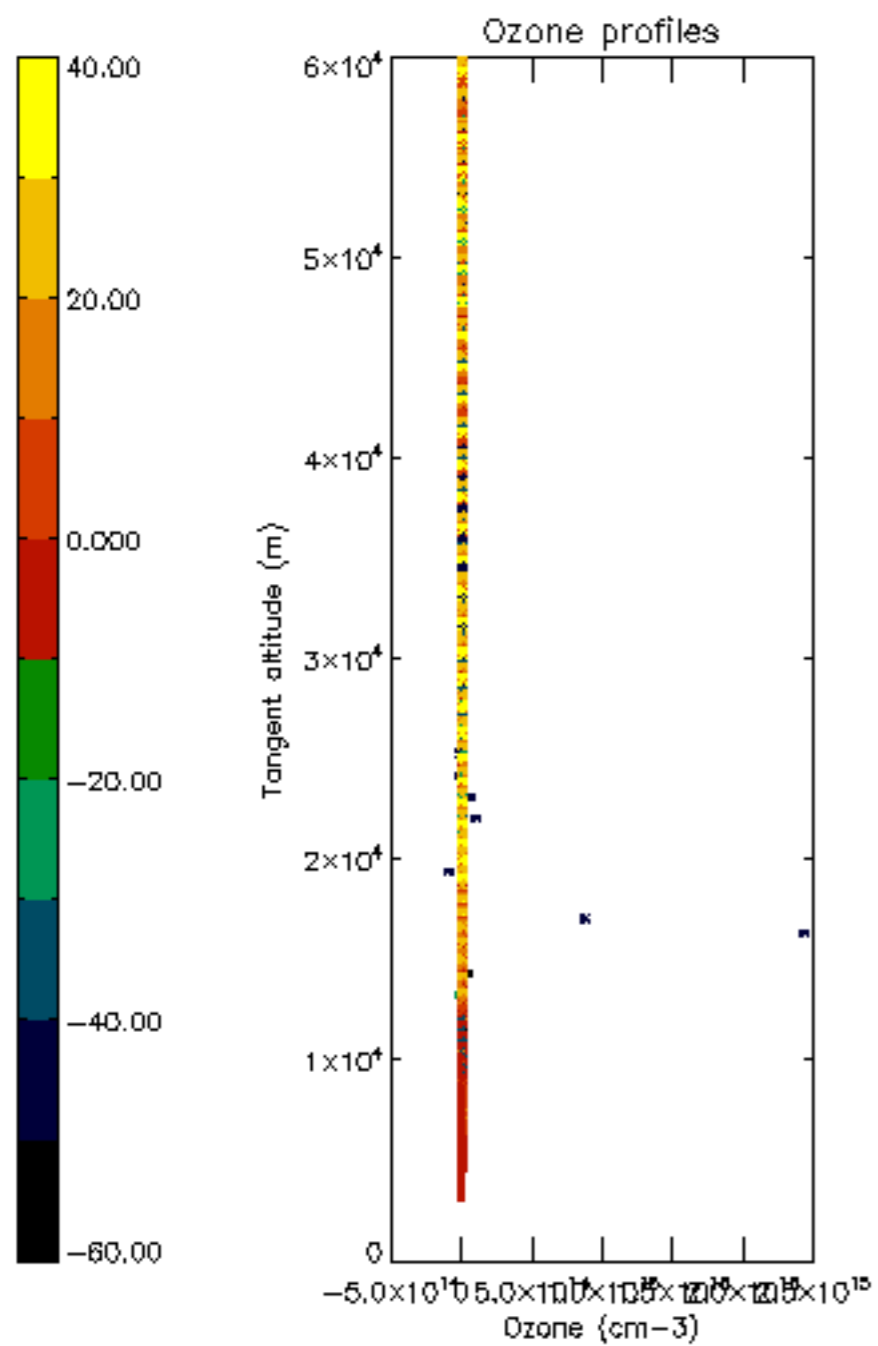


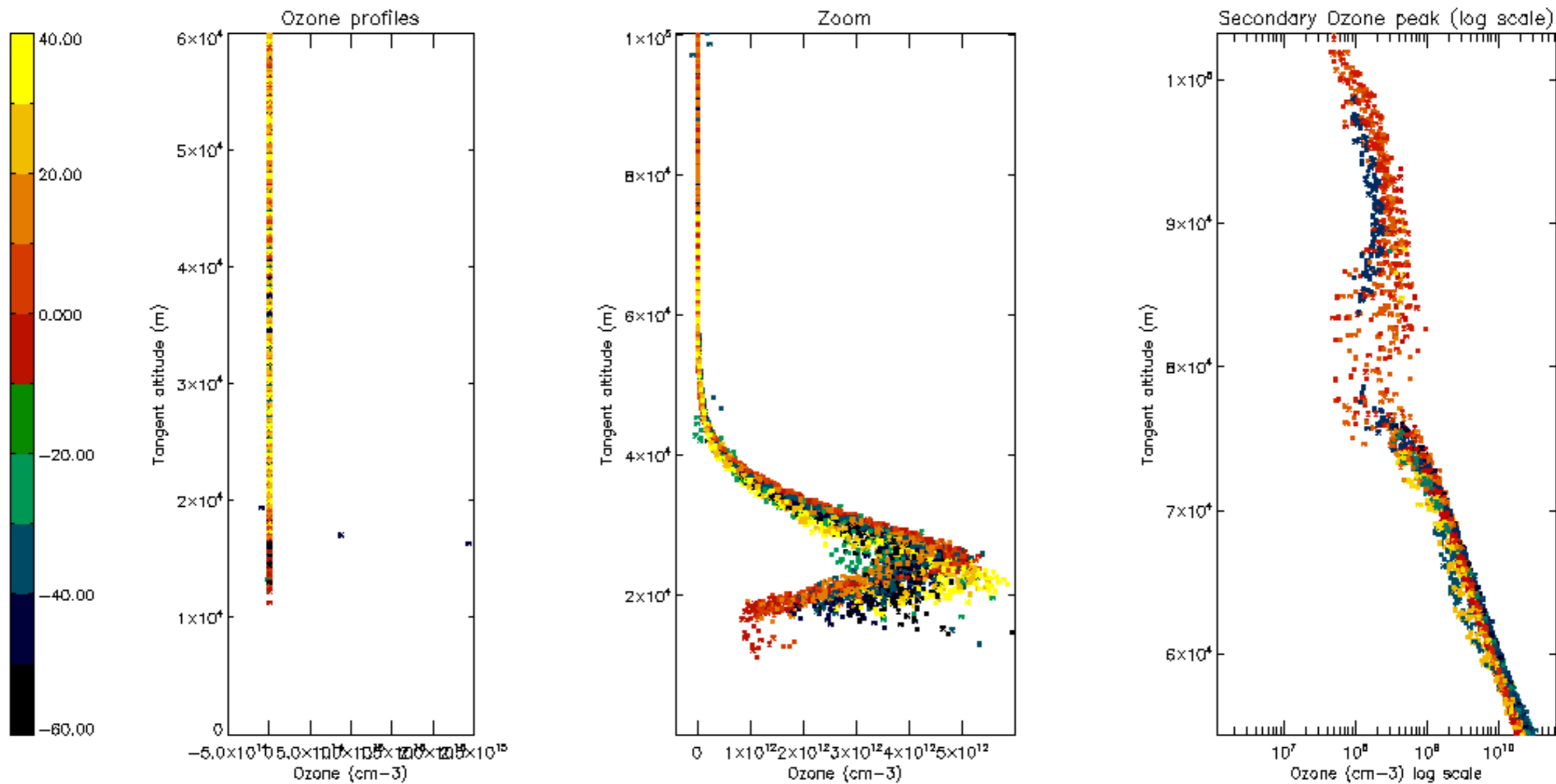
Percentage of star falling outside central band per profile



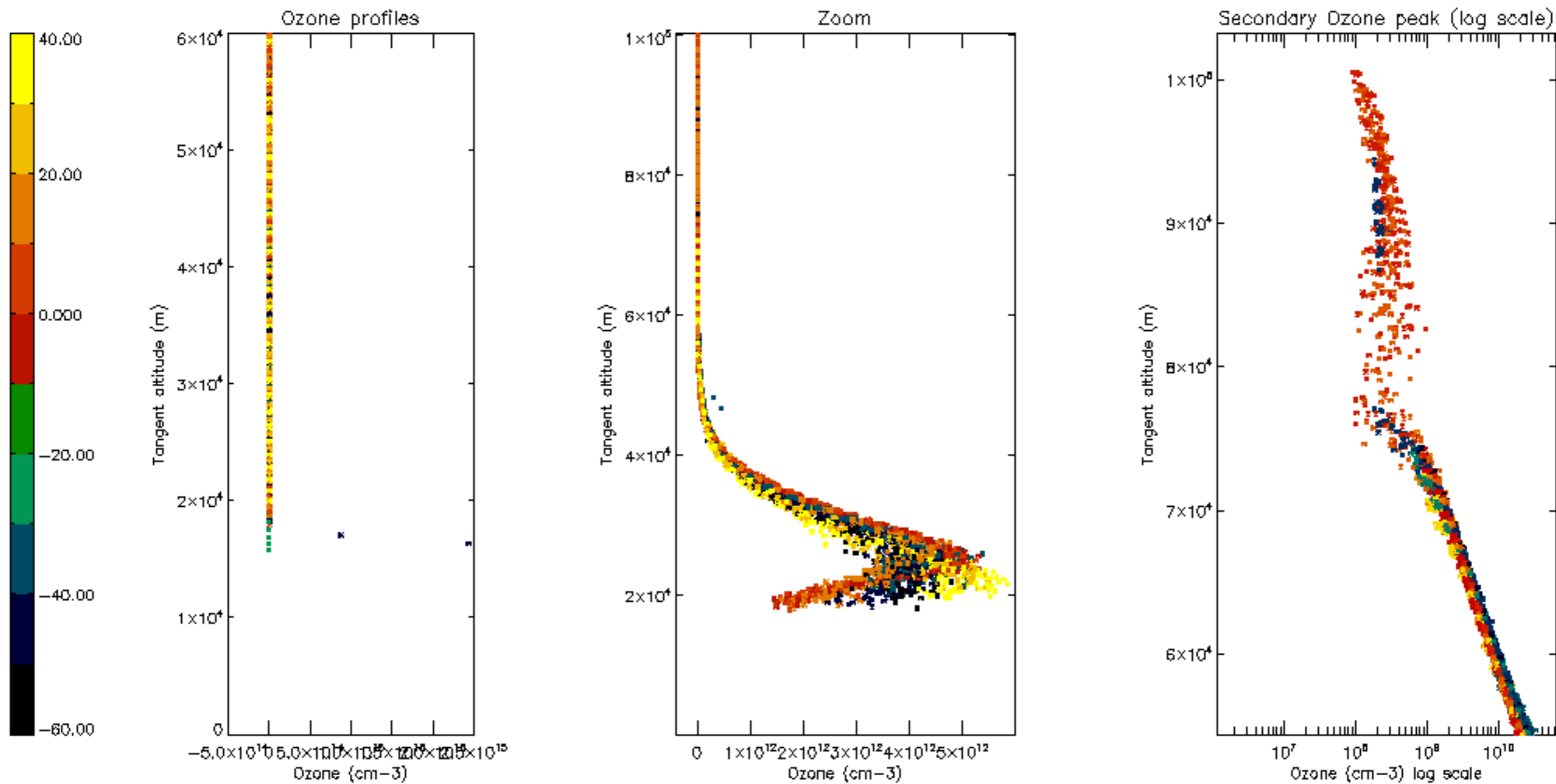
Percentage of saturation errors per profile

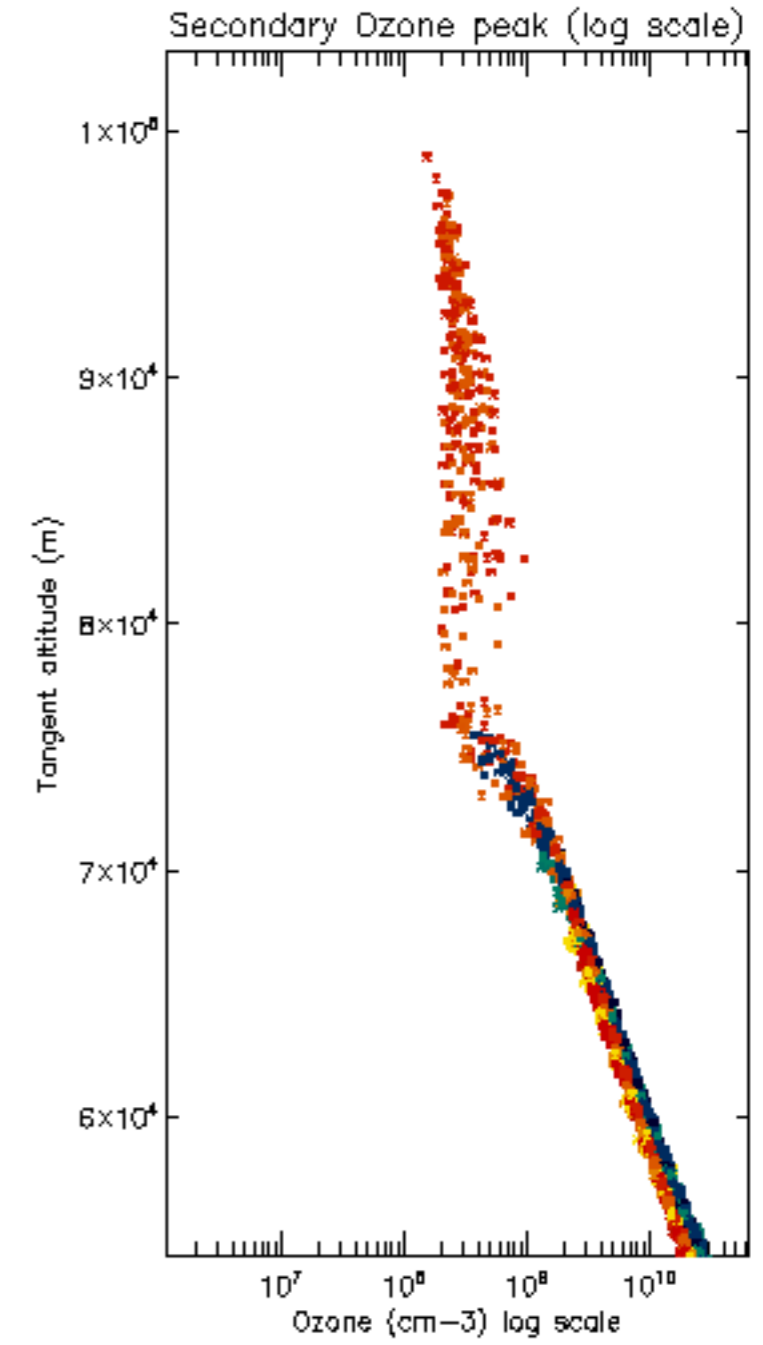
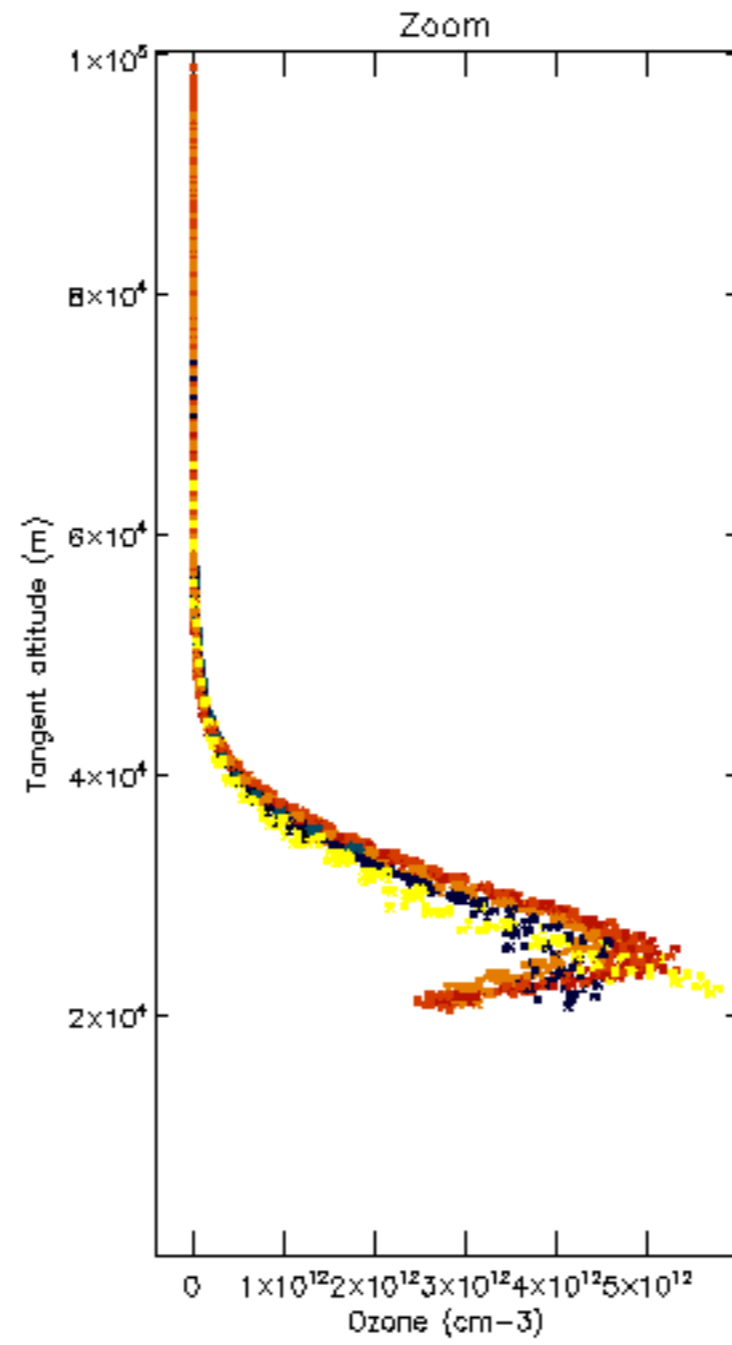
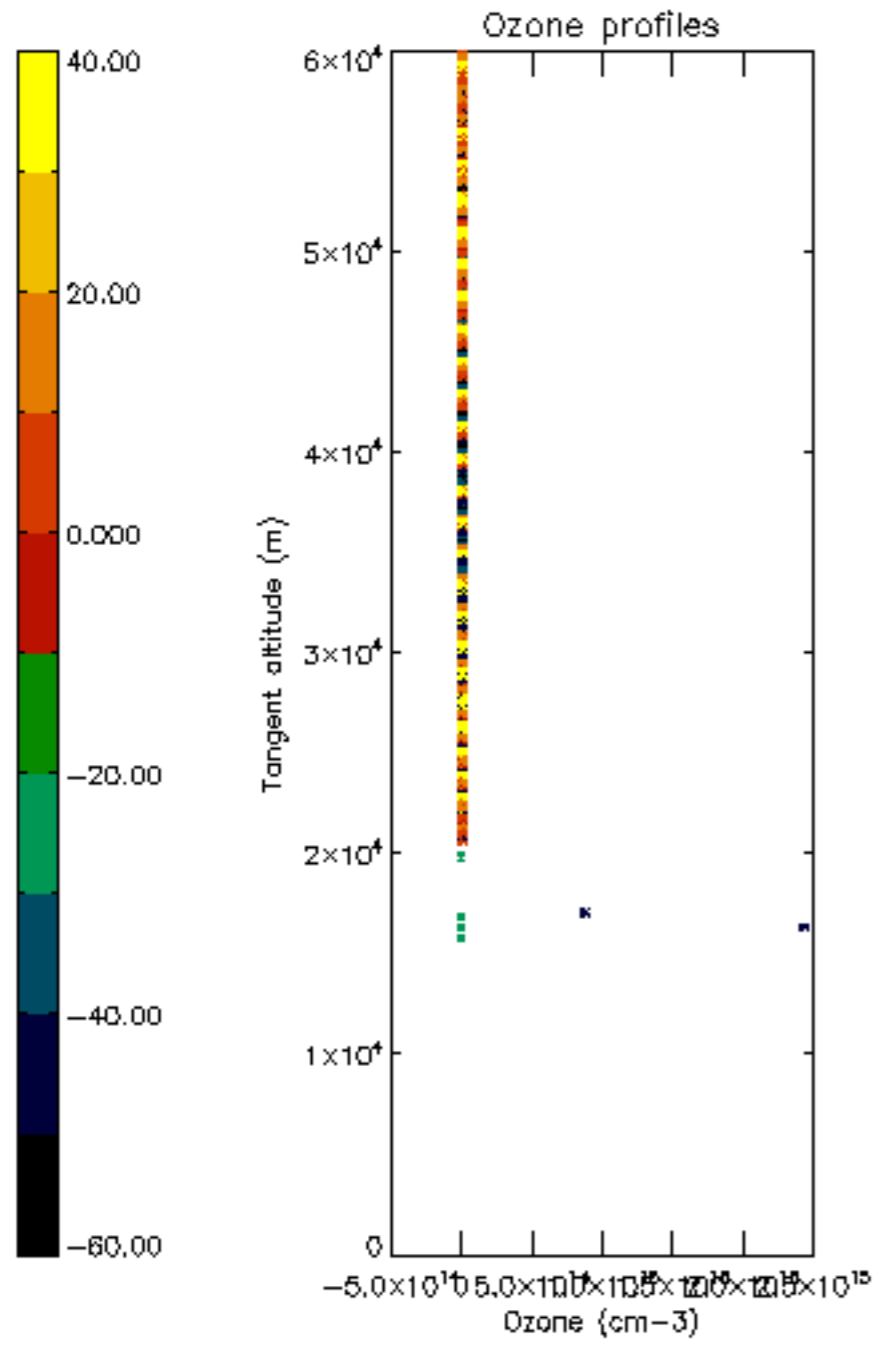


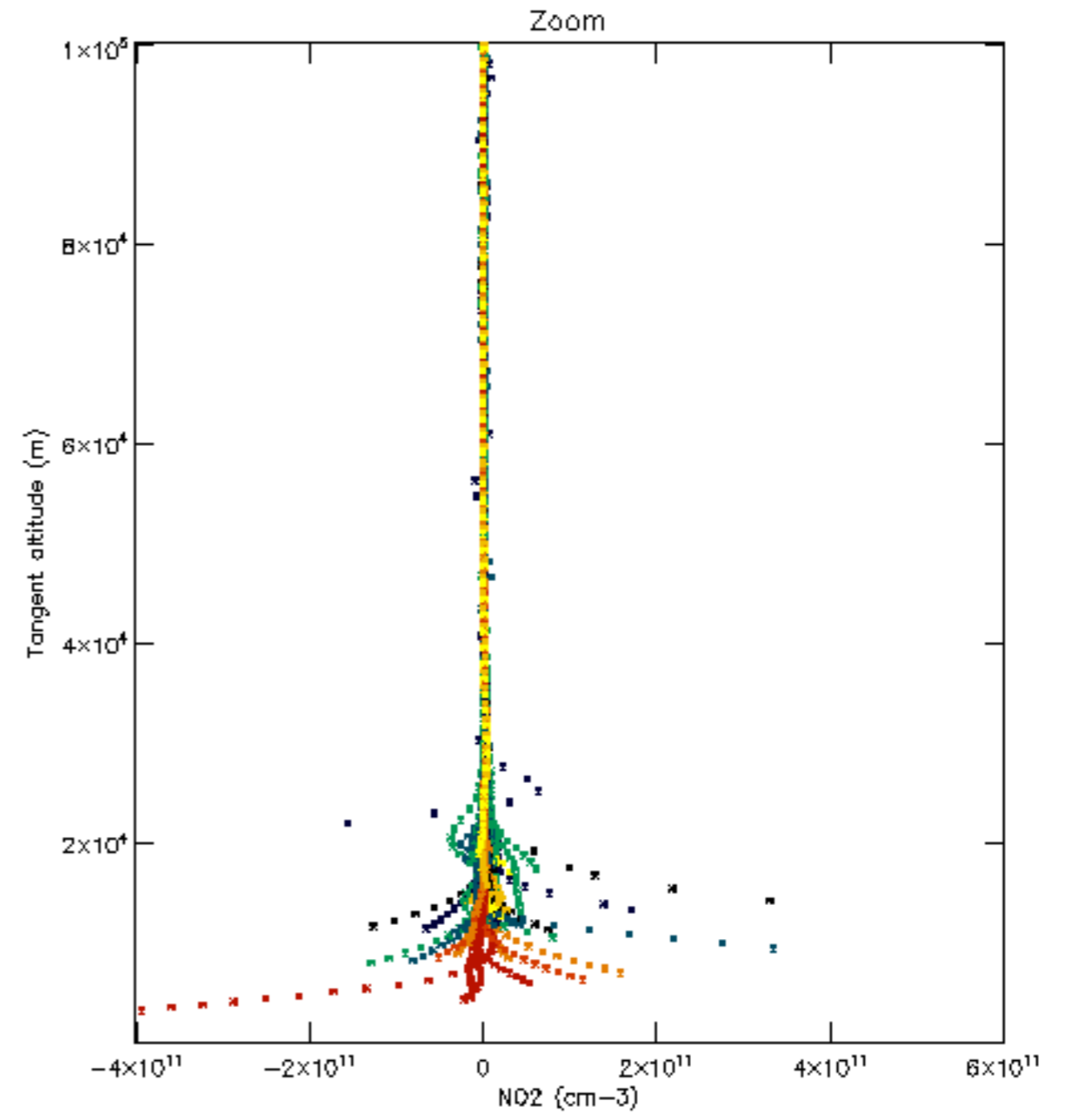
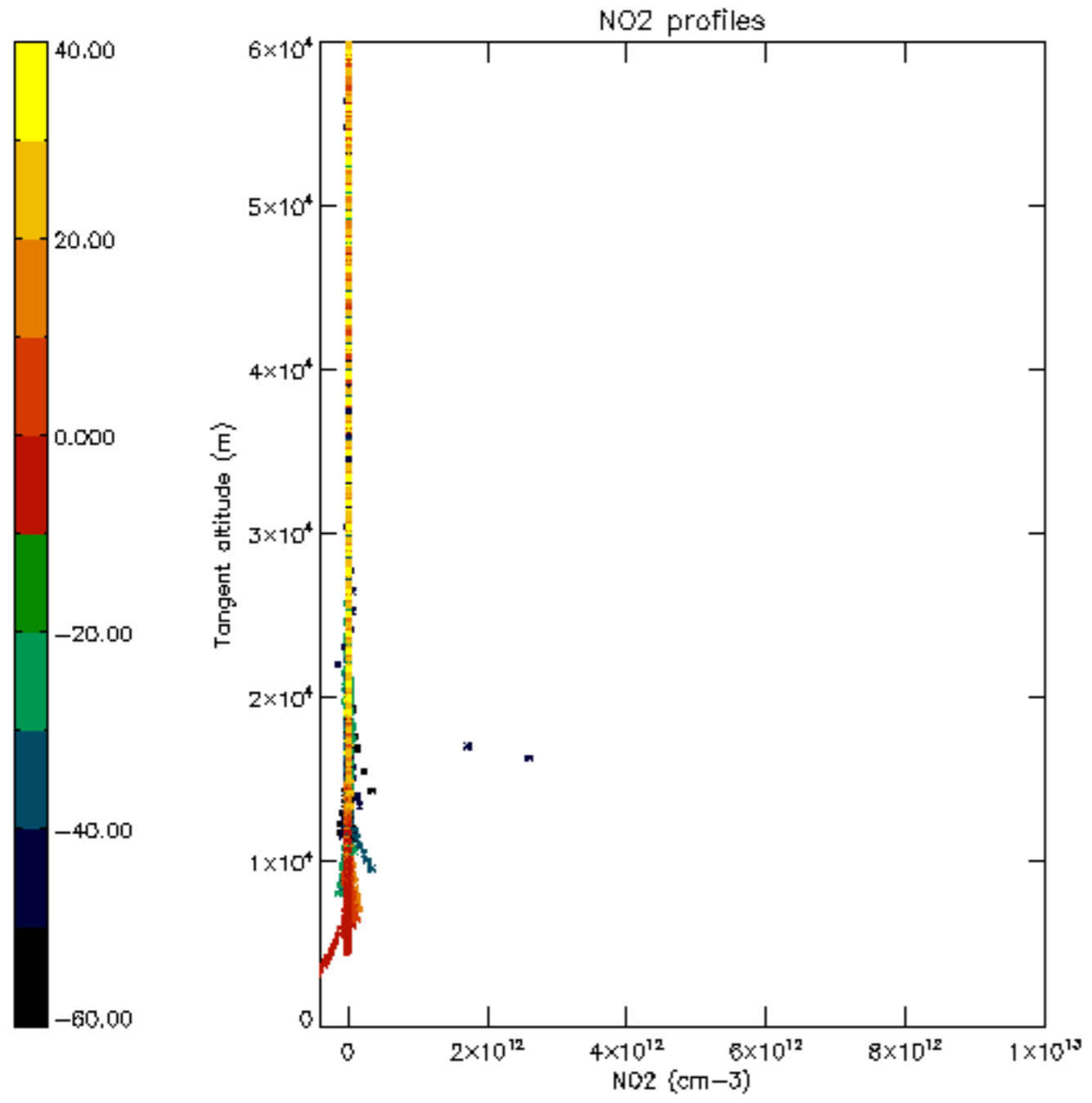


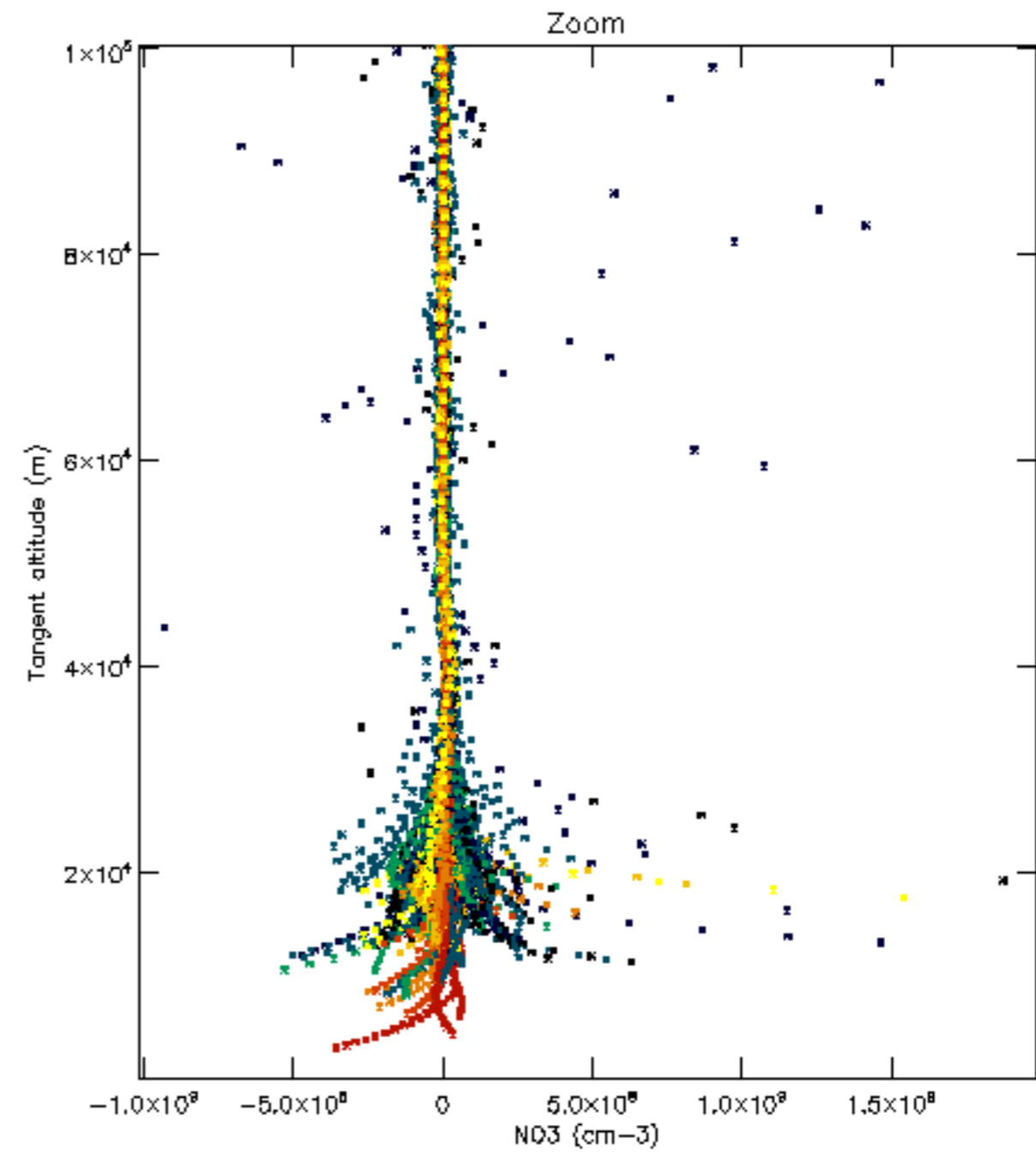
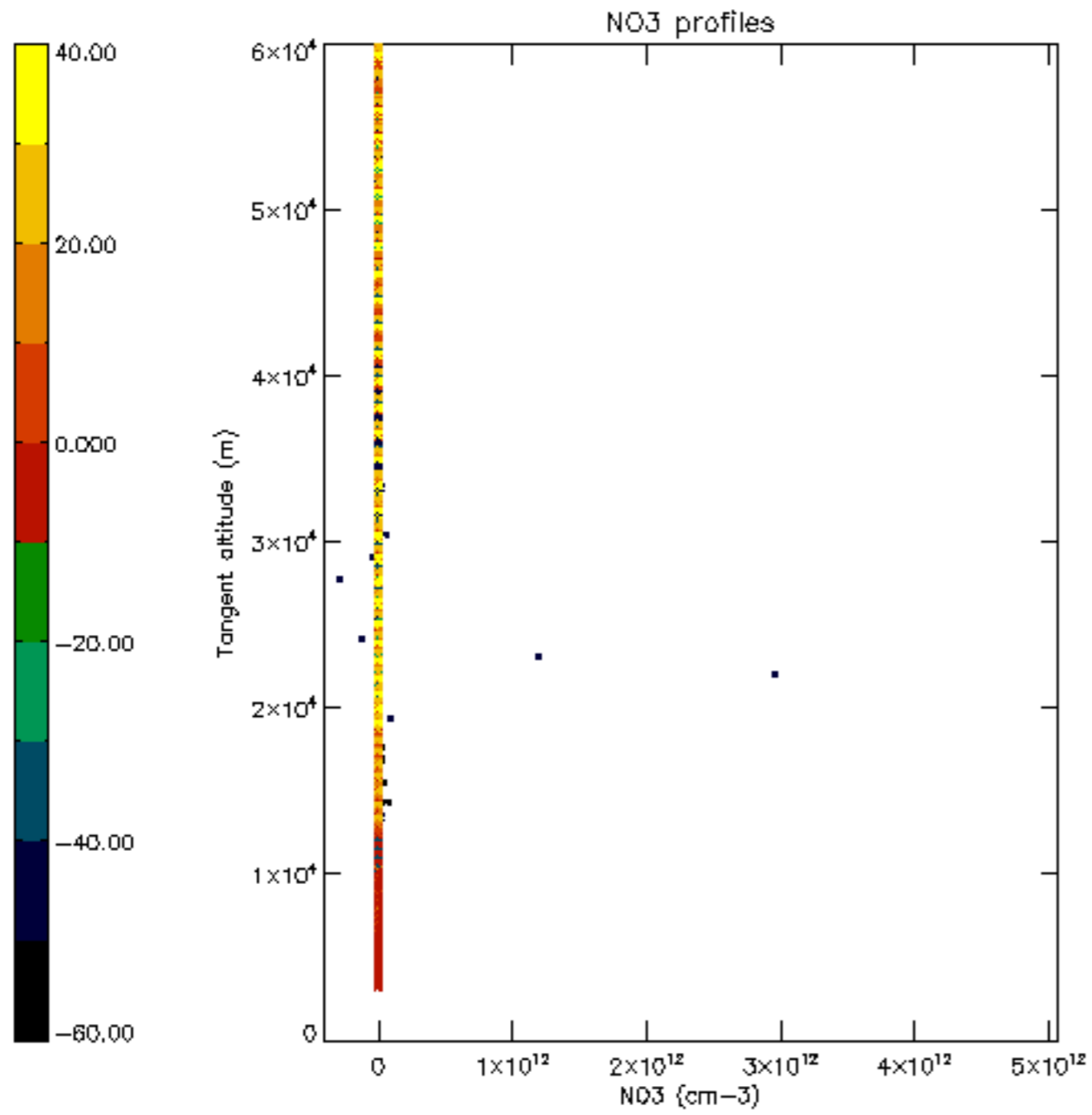




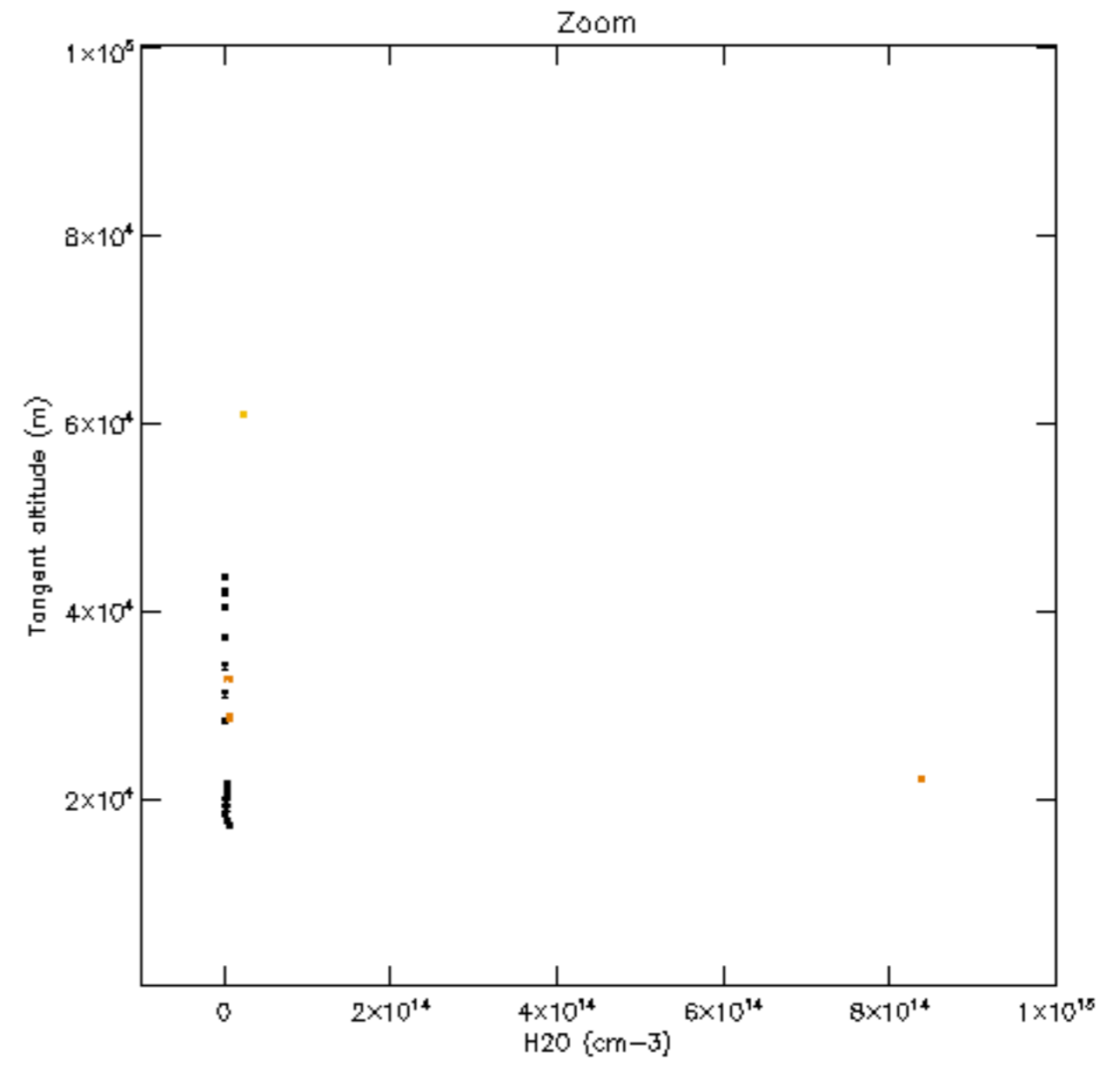
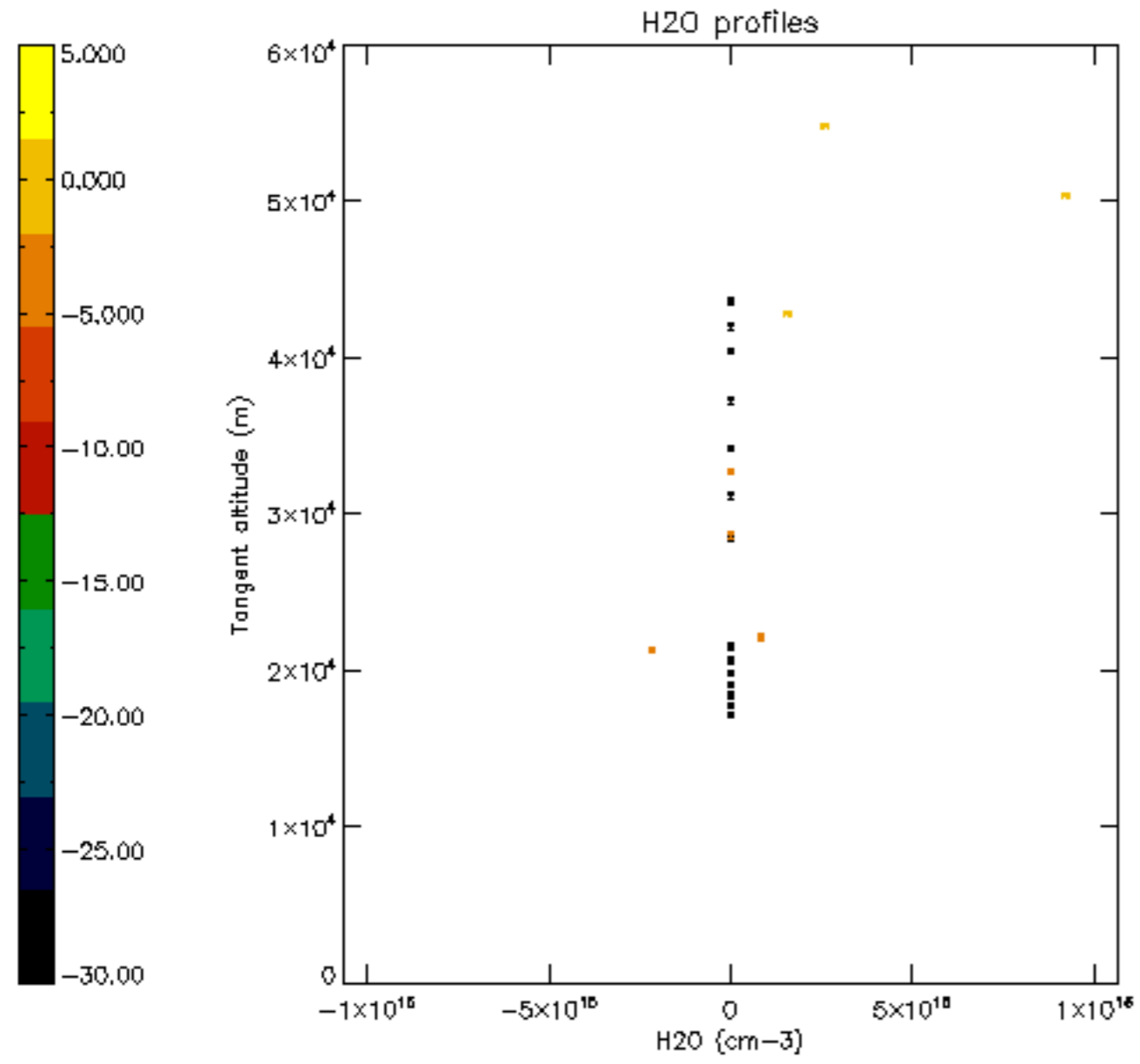


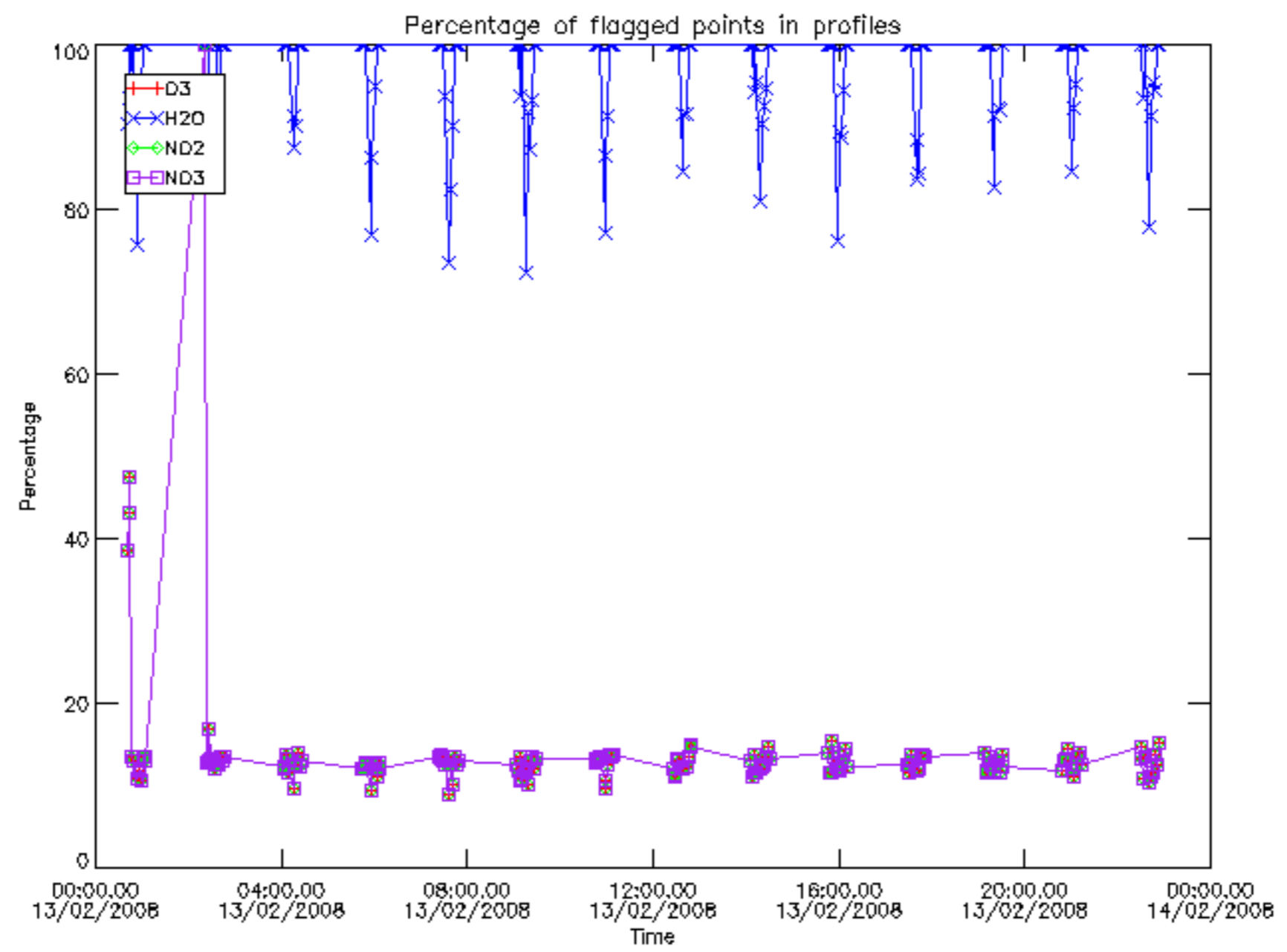




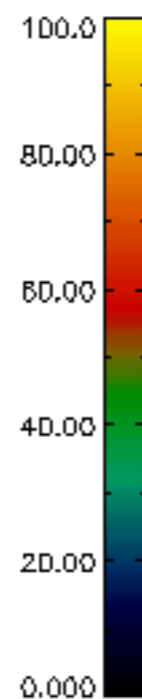
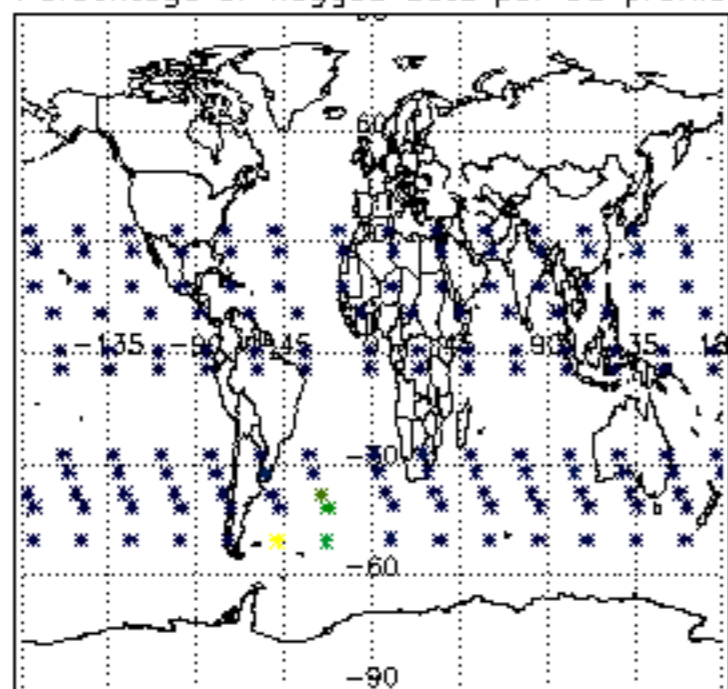




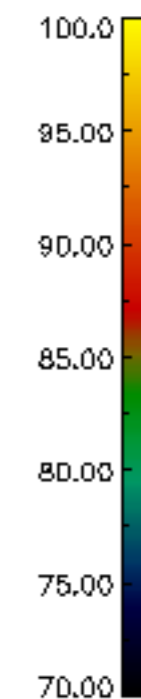
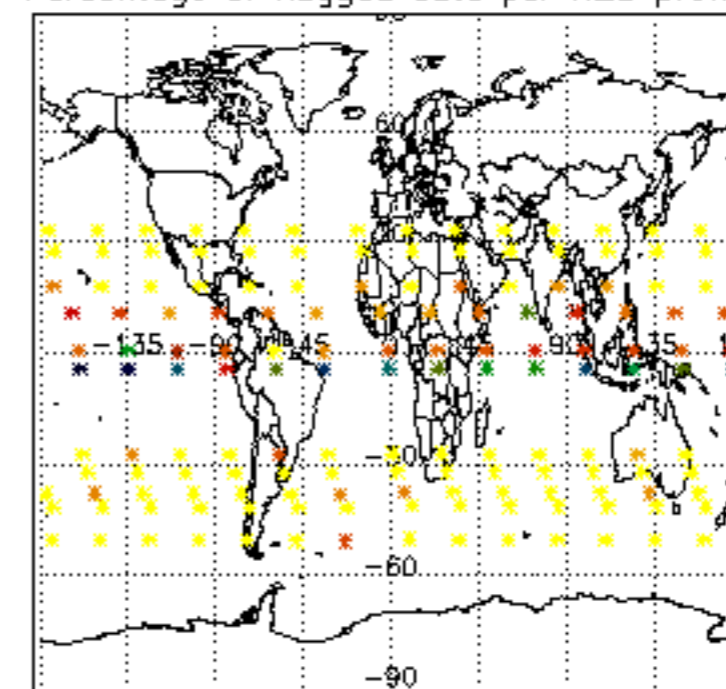




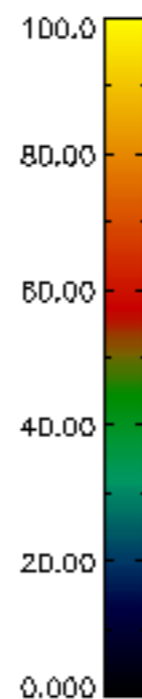
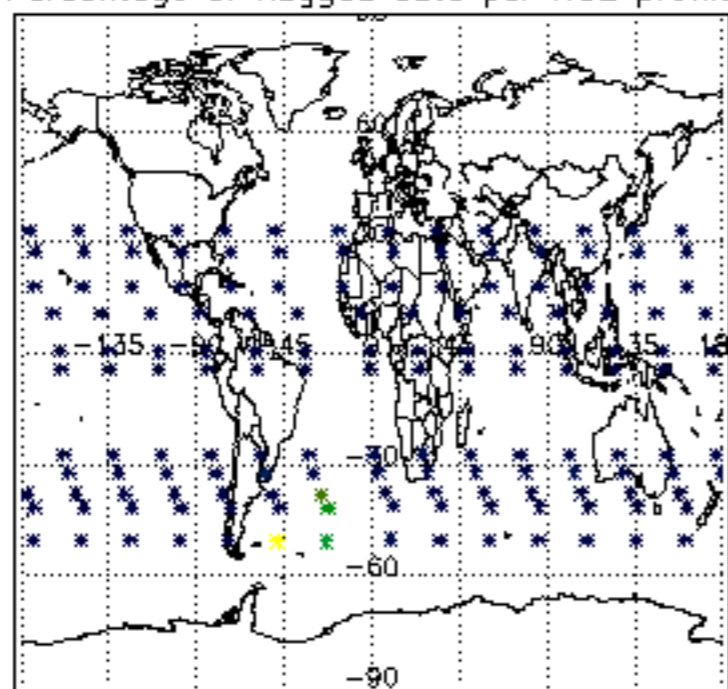
Percentage of flagged data per D3 profile



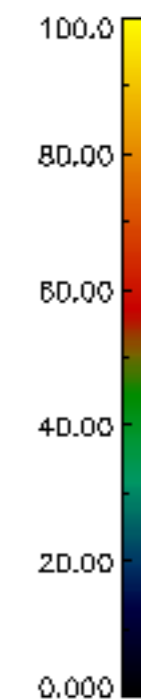
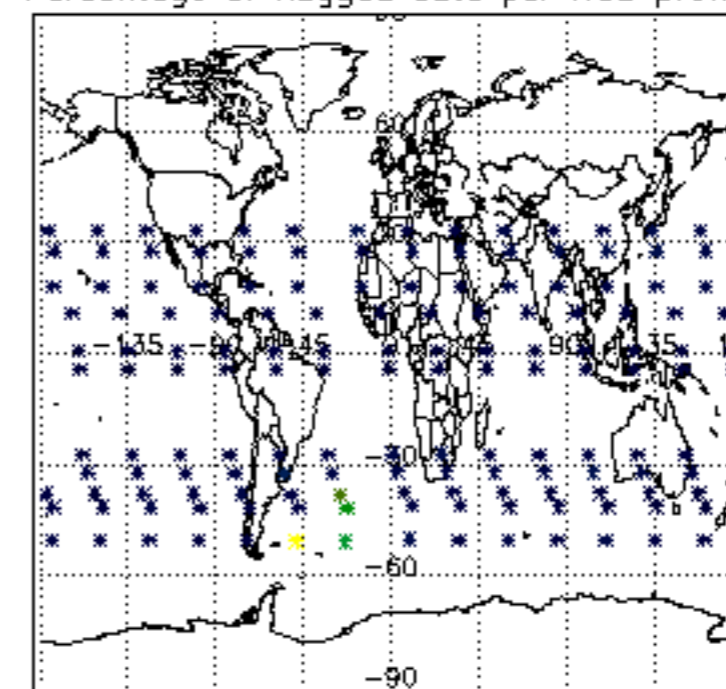
Percentage of flagged data per H2O profile

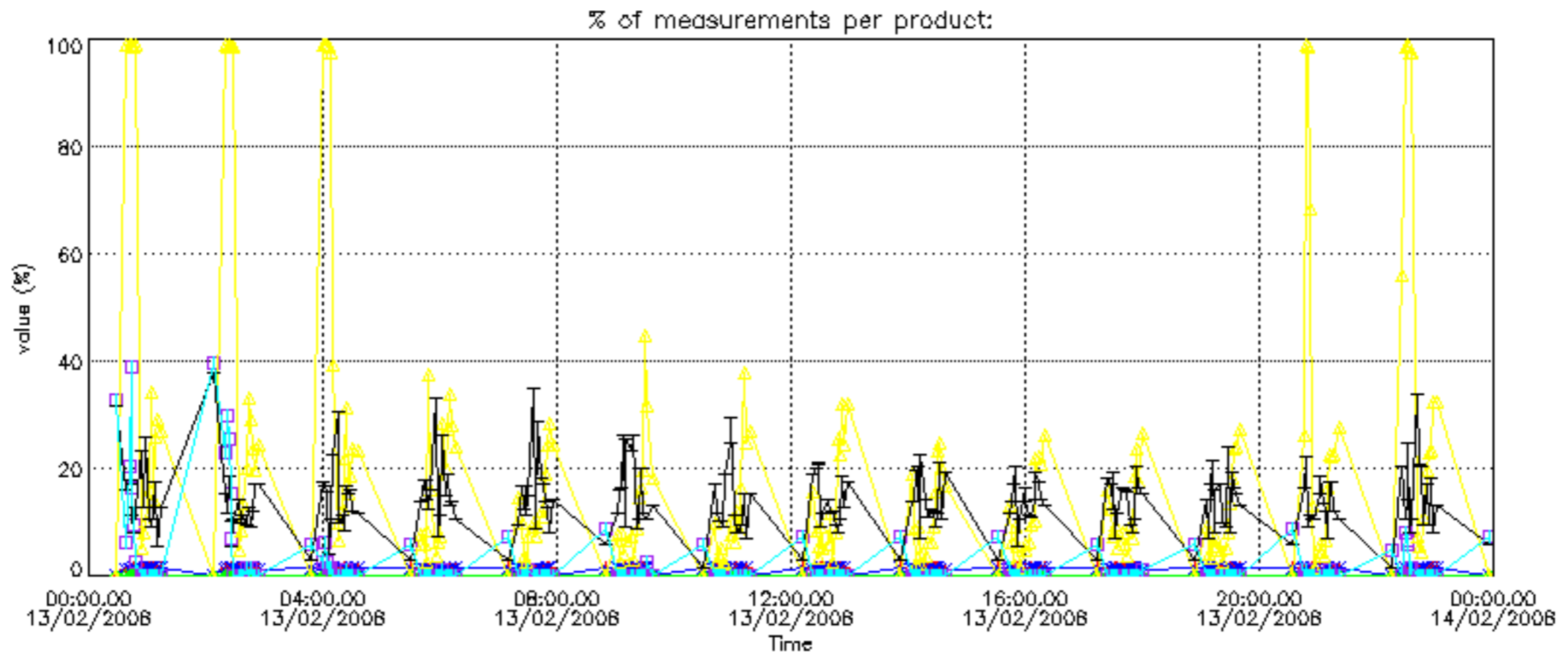


Percentage of flagged data per NO2 profile

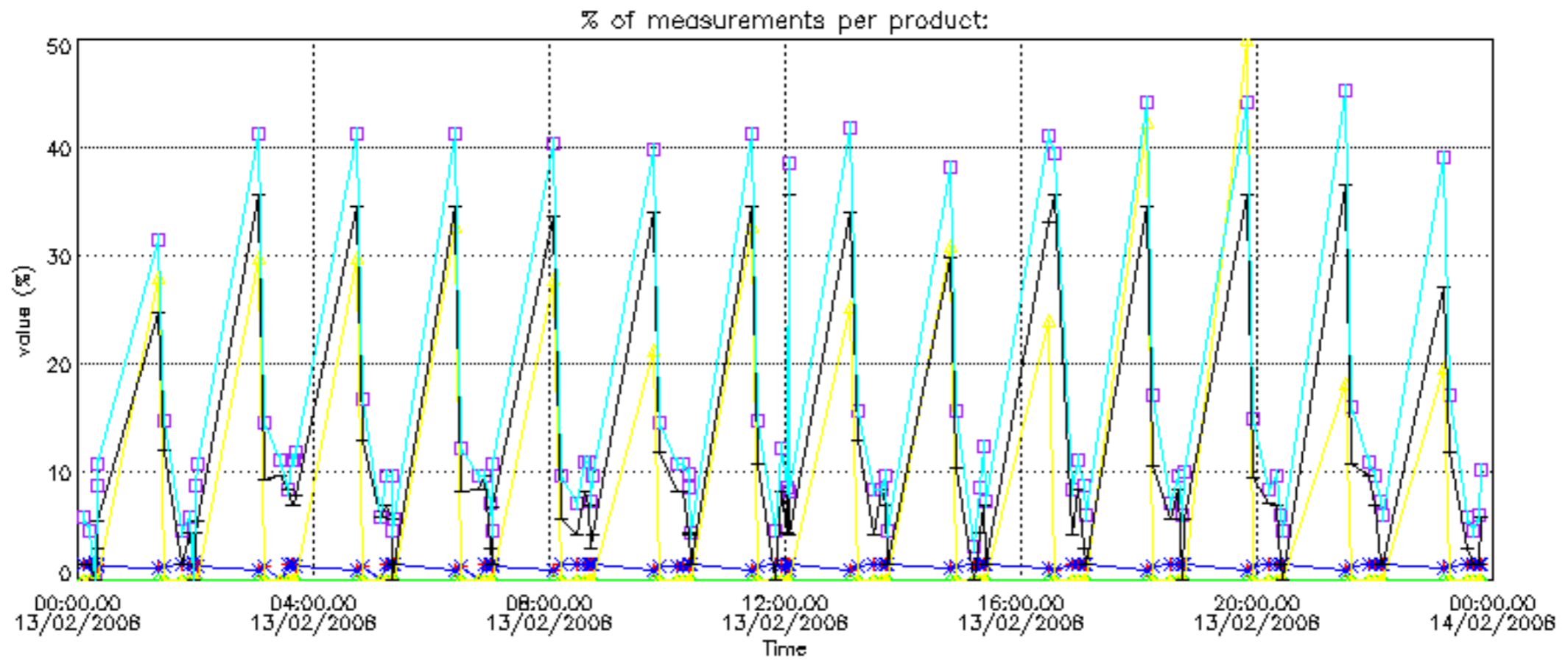


Percentage of flagged data per NO3 profile

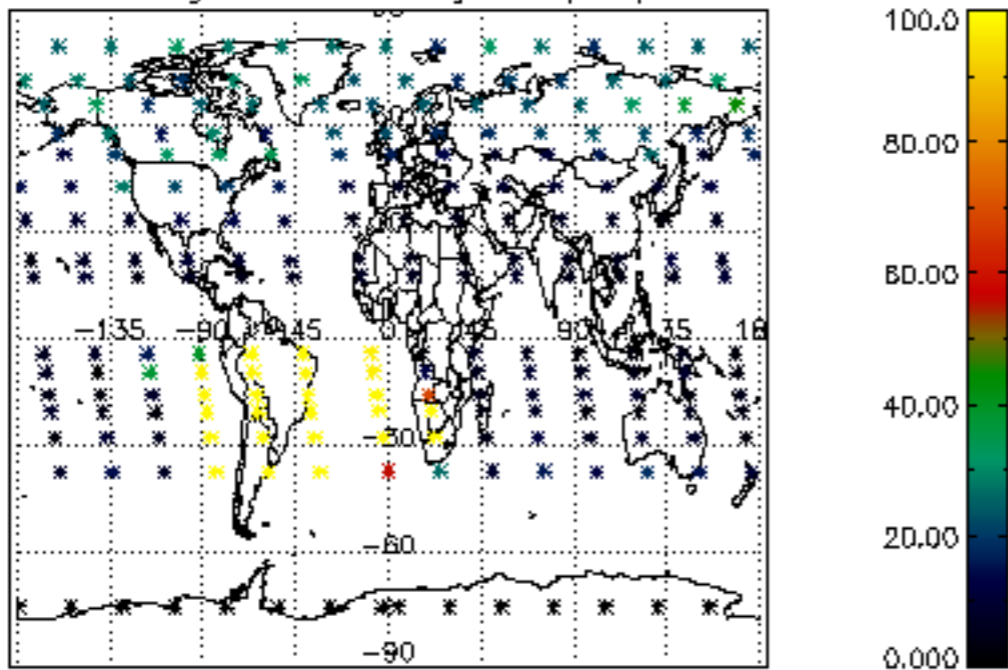




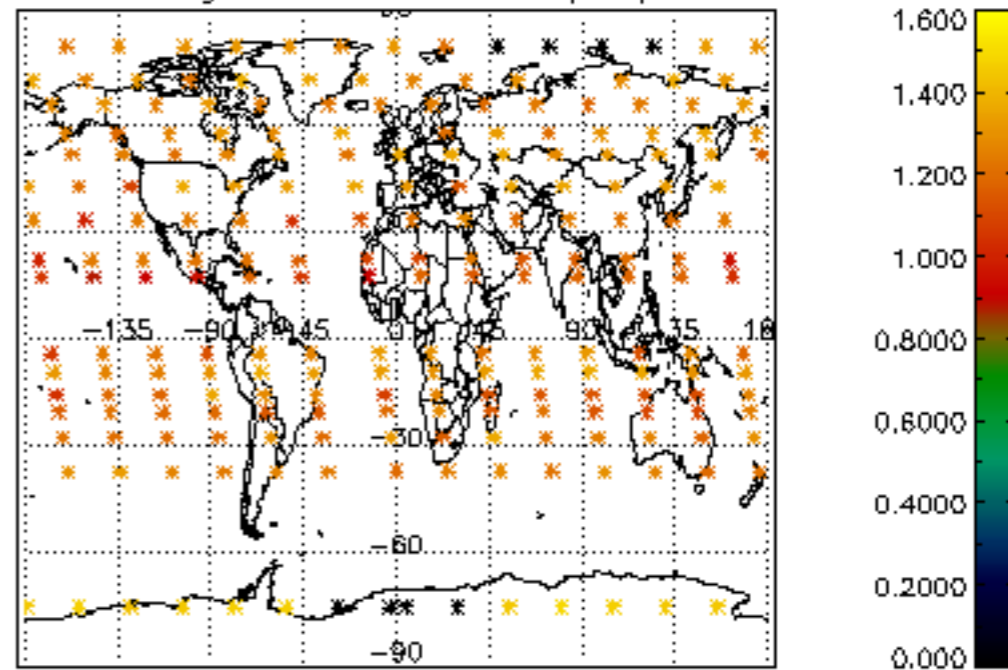




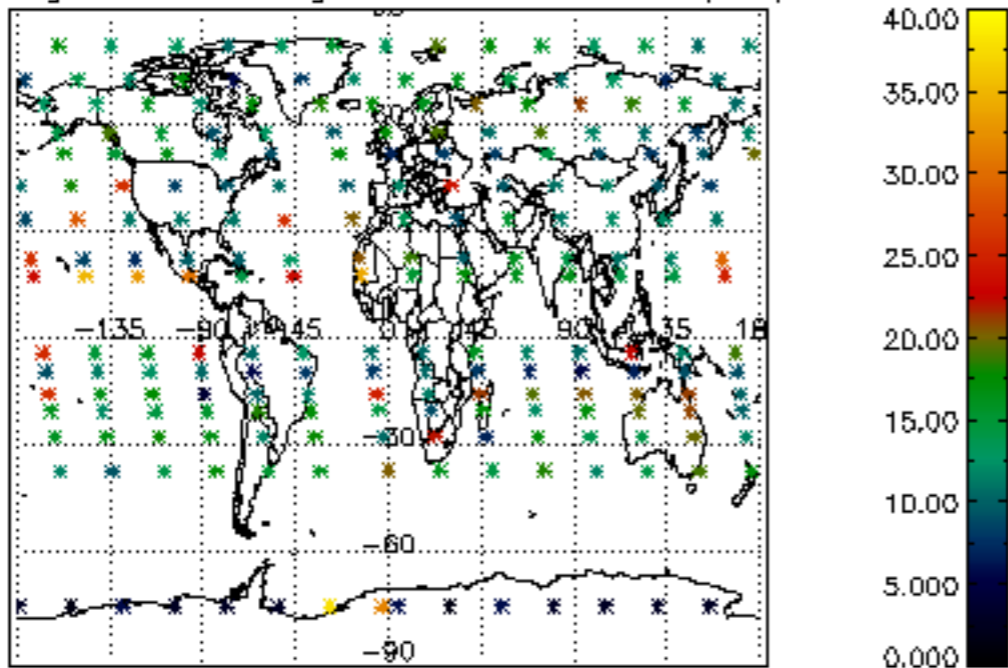
Percentage of cosmic ray hits per profile



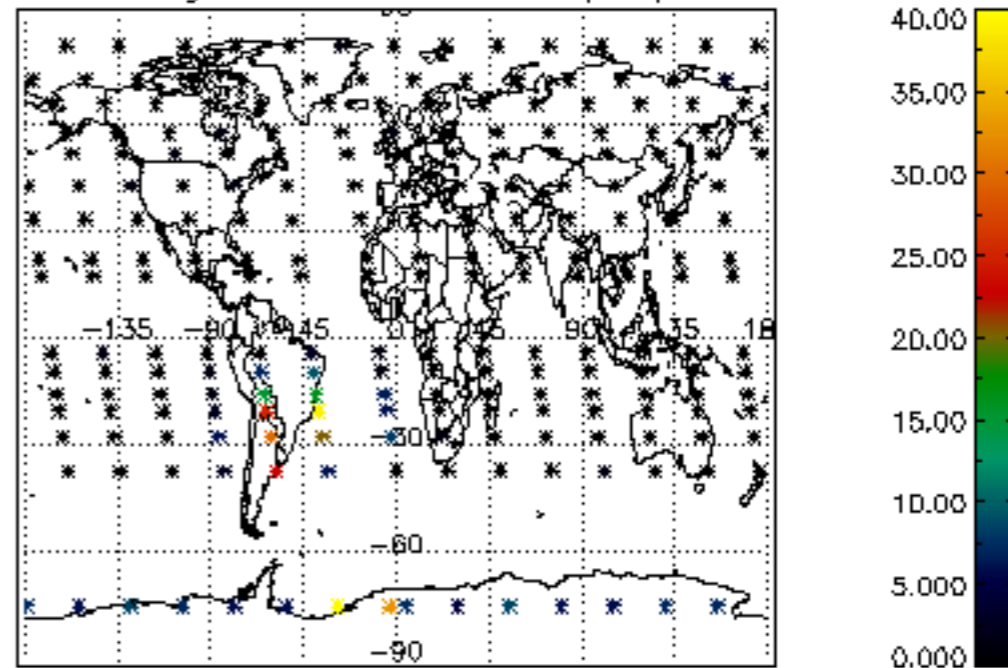
Percentage of datation errors per profile



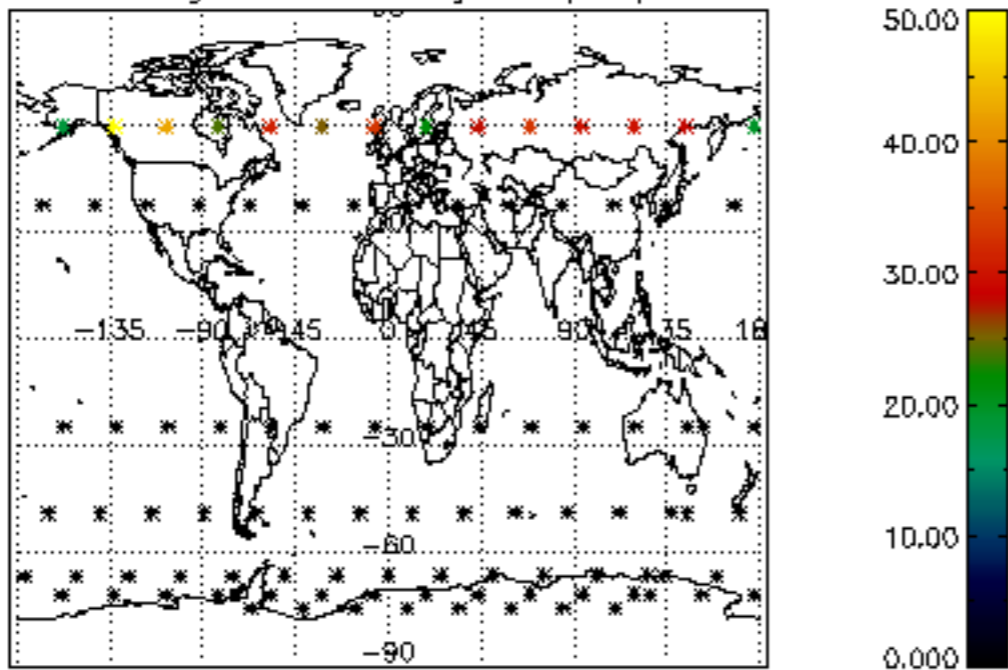
Percentage of star falling outside central band per profile



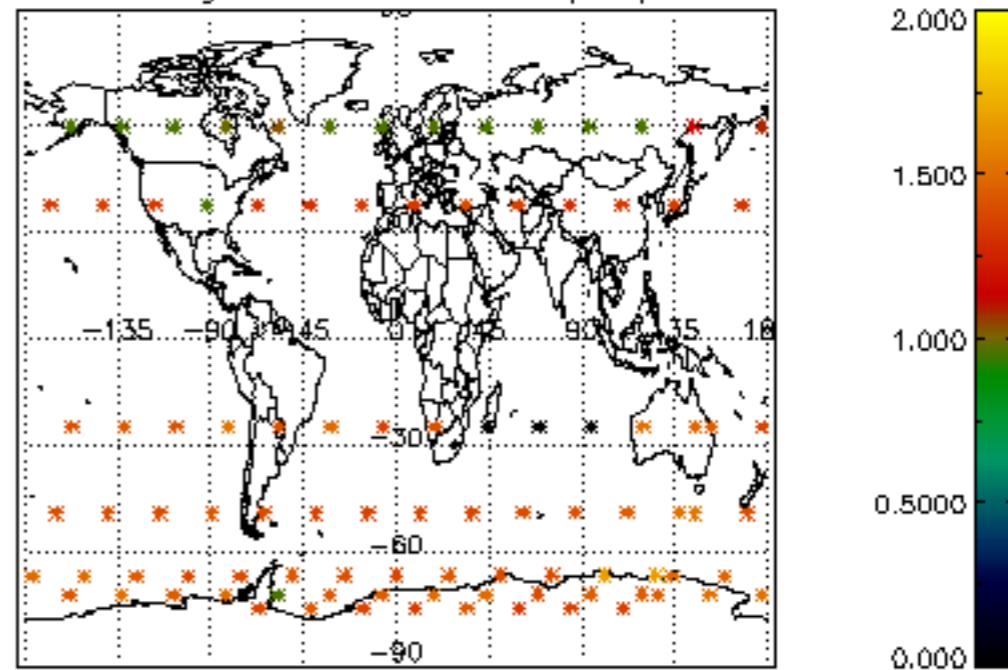
Percentage of saturation errors per profile



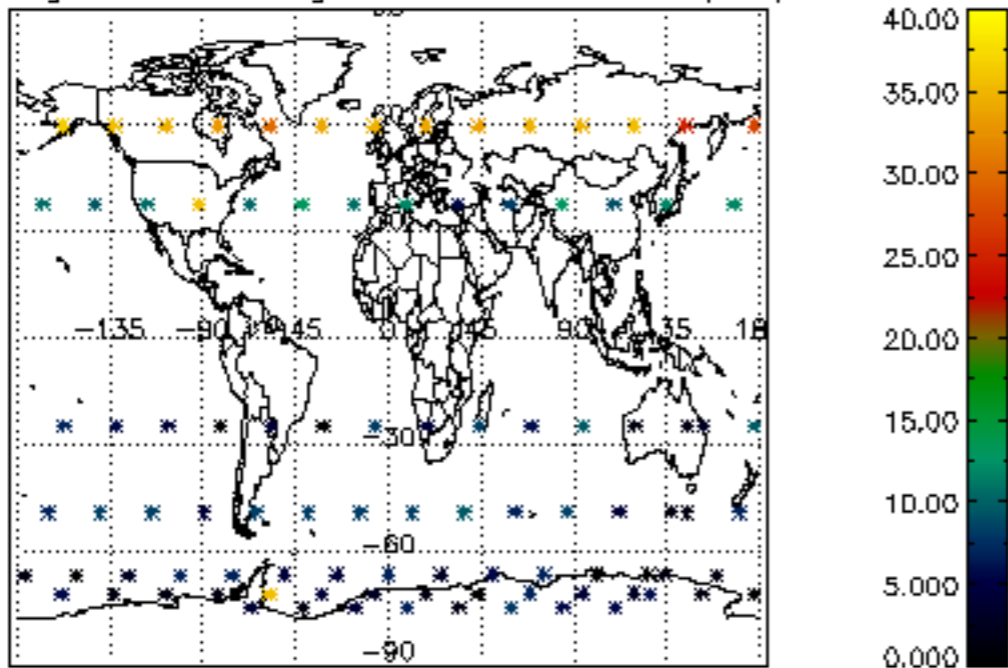
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

