

GOMOS Level 2 Daily Report

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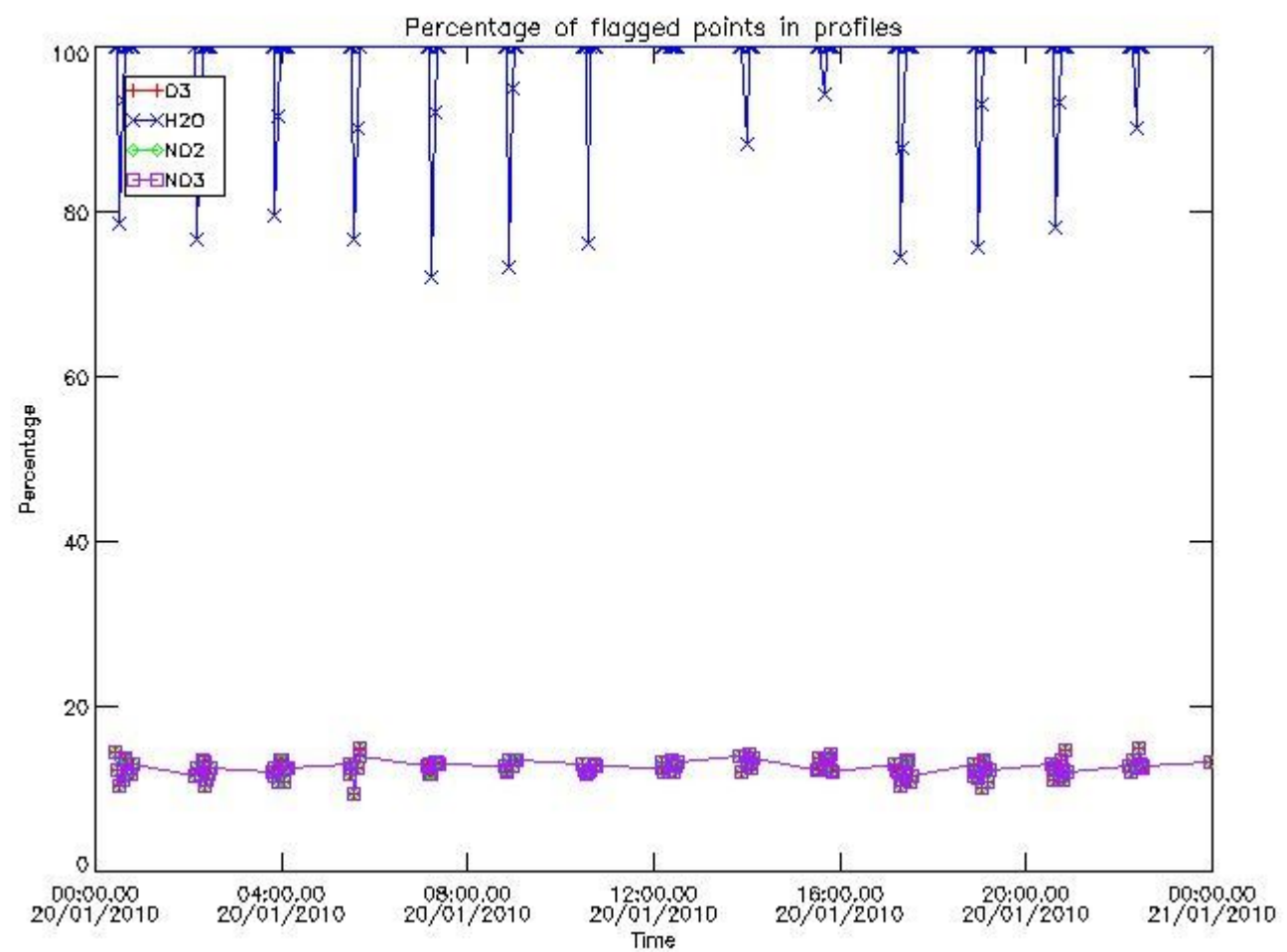
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3. Quality information per product

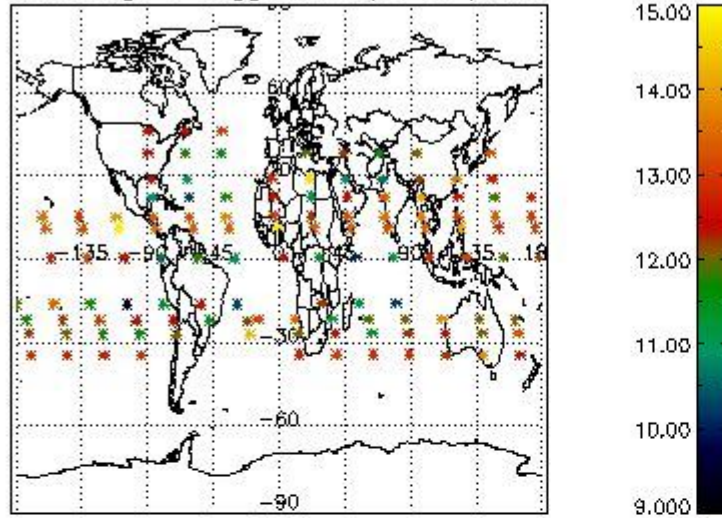
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

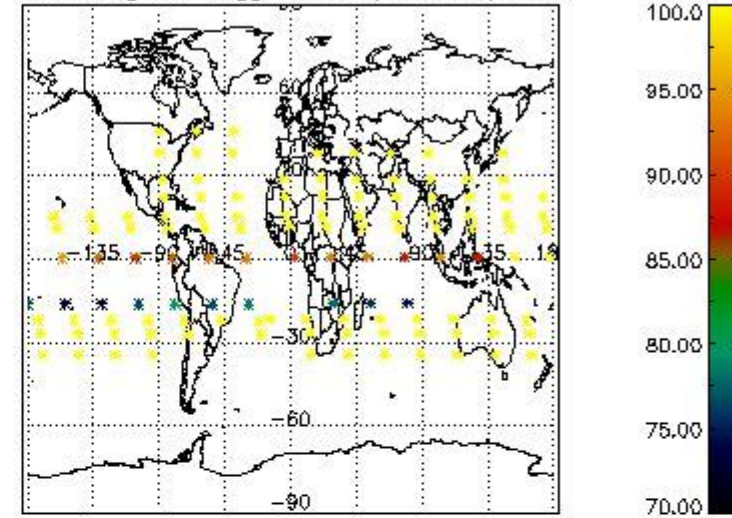


3.2 Plot quality information per product (world map)

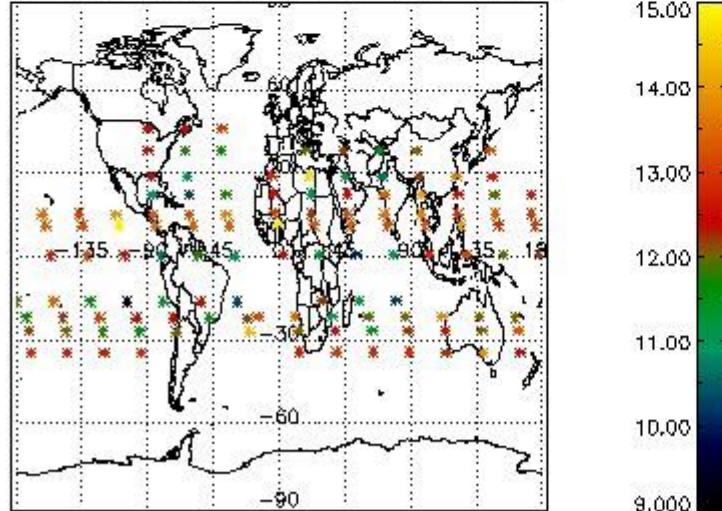
Percentage of flagged data per O3 profile



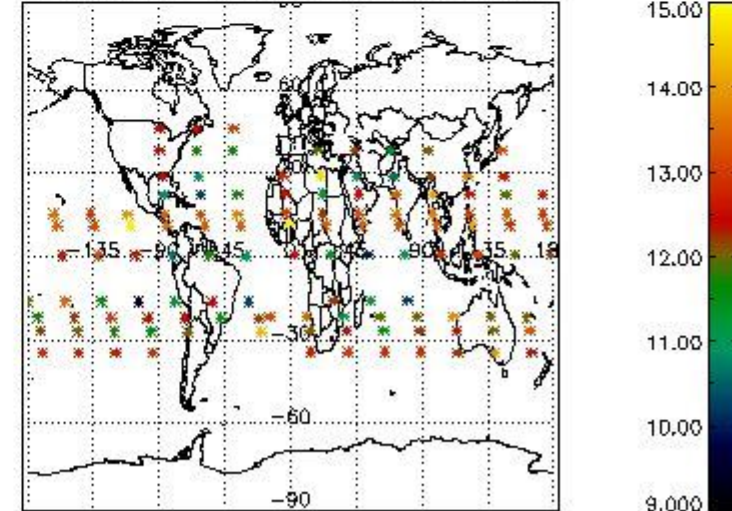
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

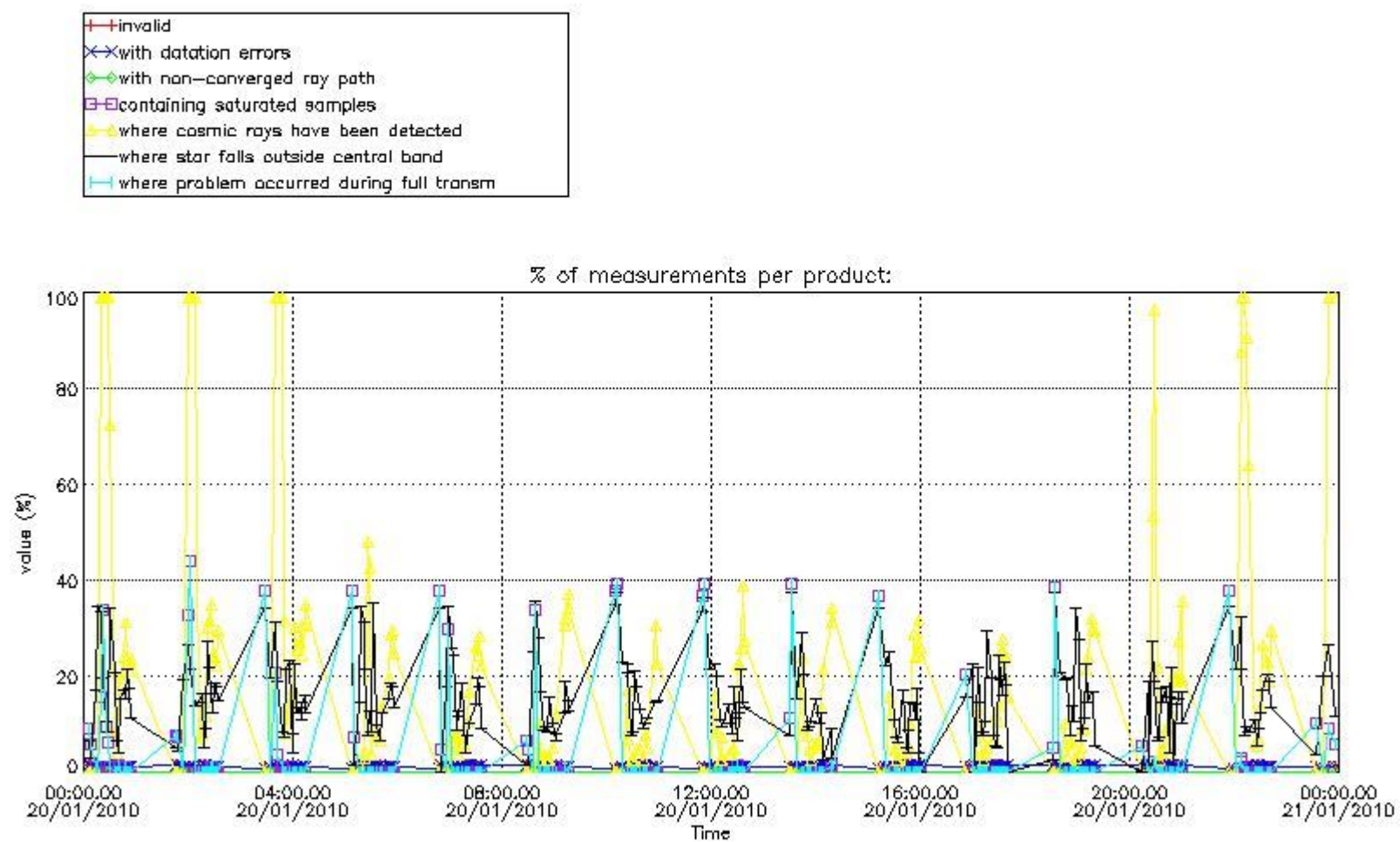


4. Level 1 quality information per product

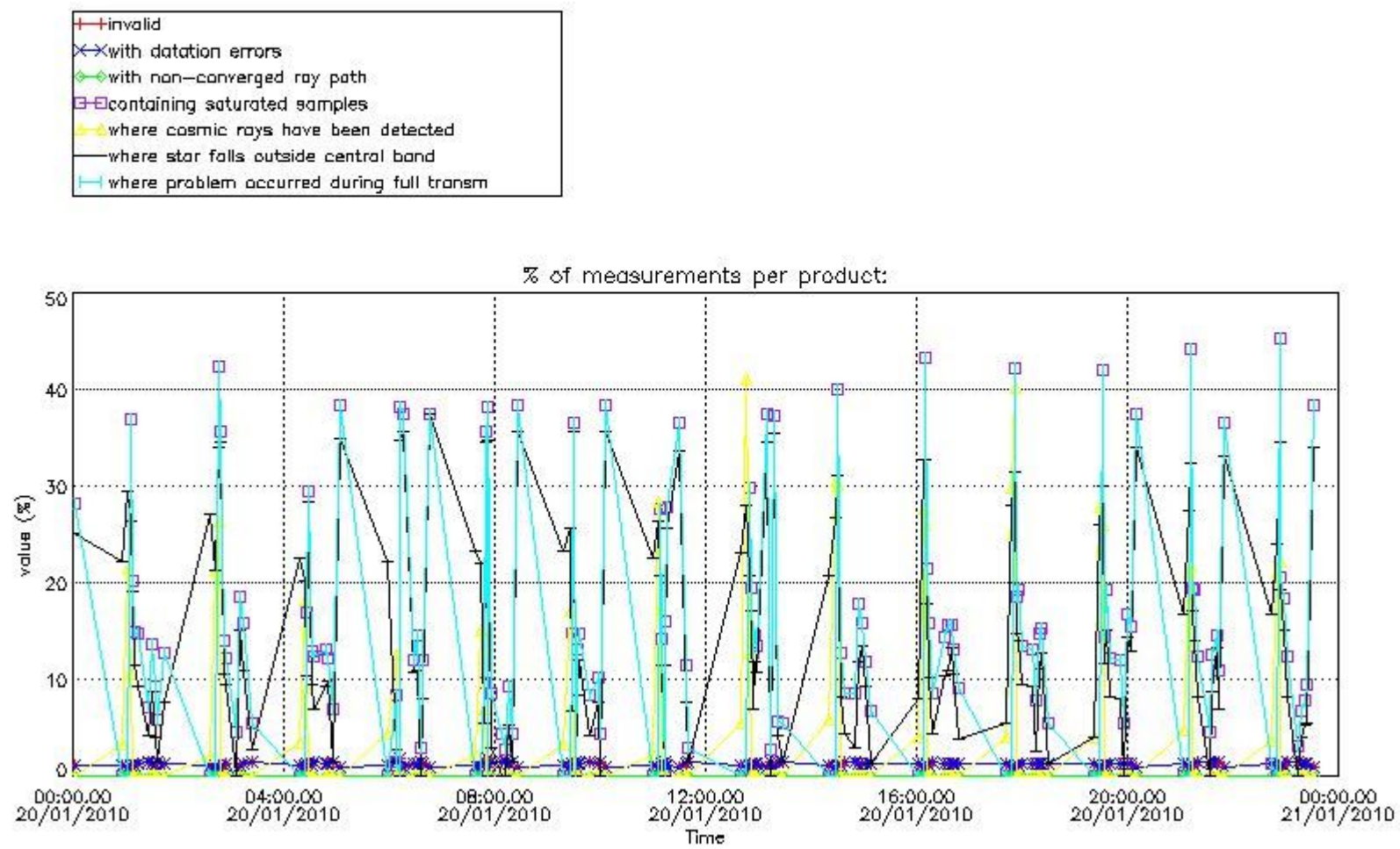
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



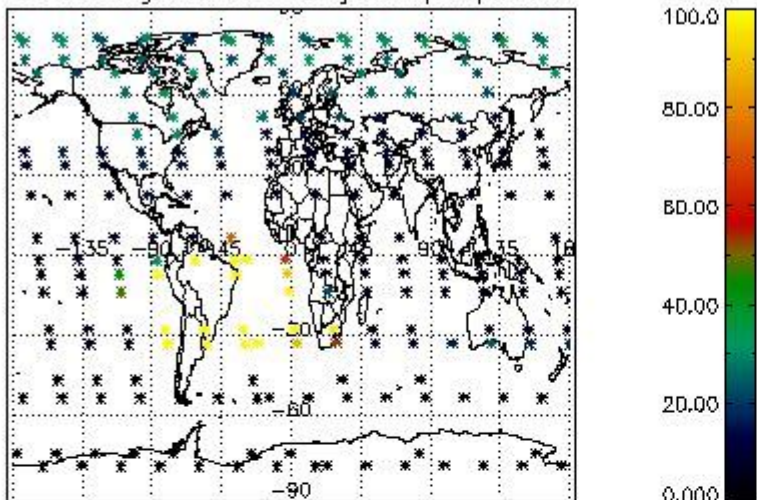
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



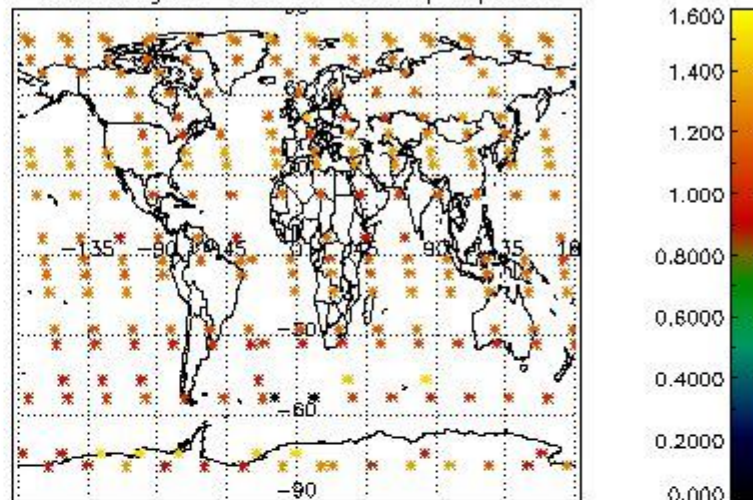
4.2 Plot quality information per product coming from level 1b processing (world map)

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

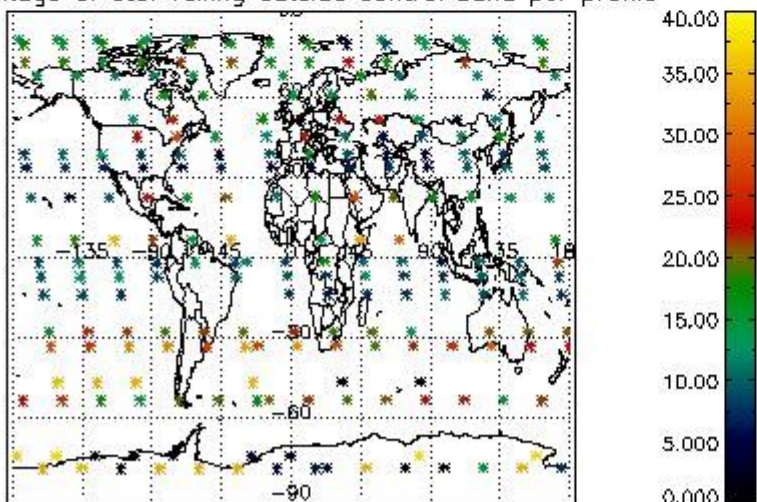
Percentage of cosmic ray hits per profile



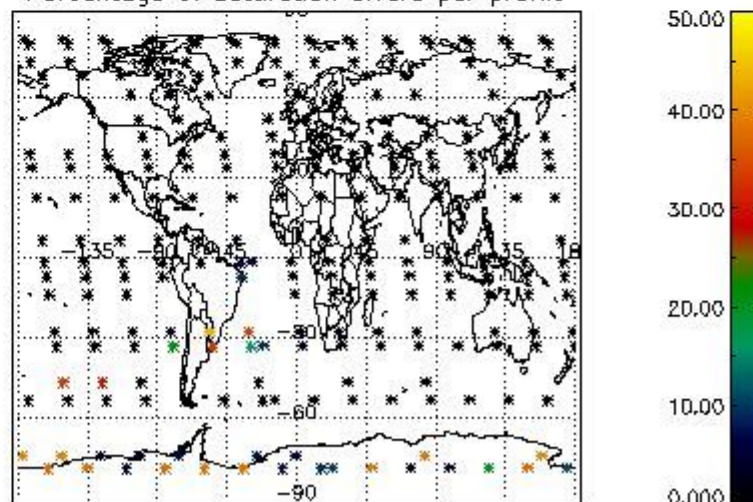
Percentage of datation errors per profile



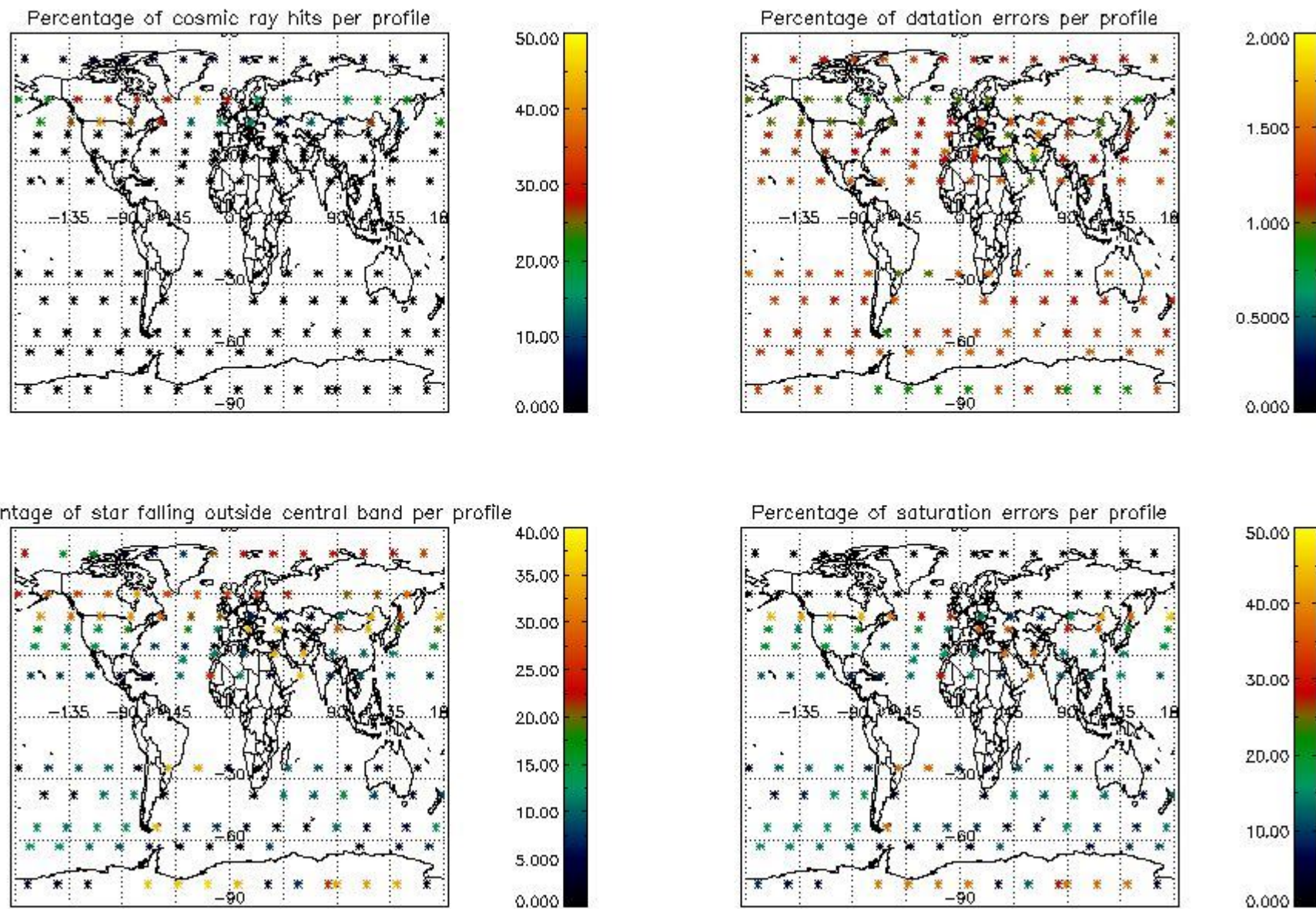
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

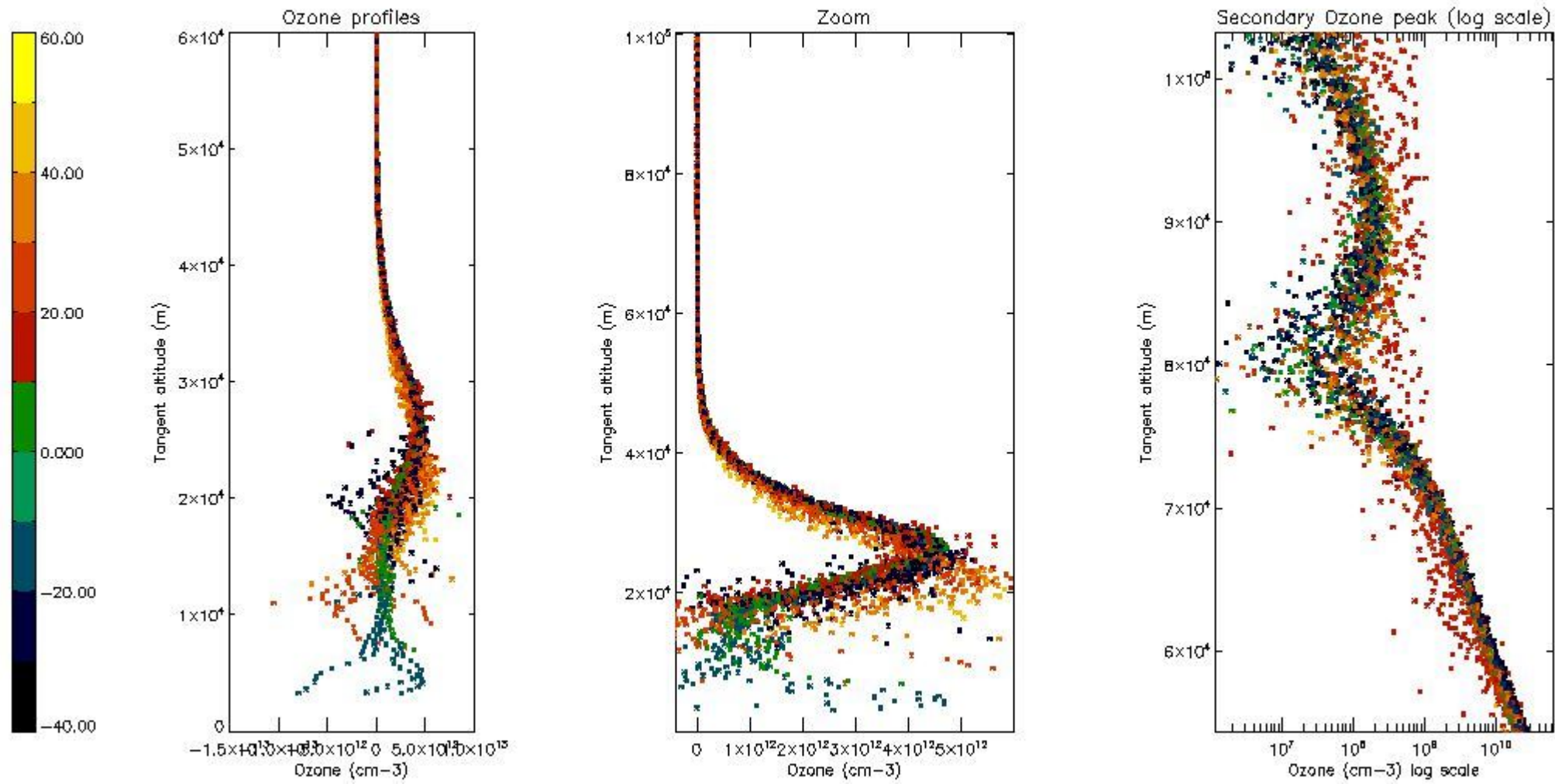
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	17

STD < 10	14
STD < 5	10

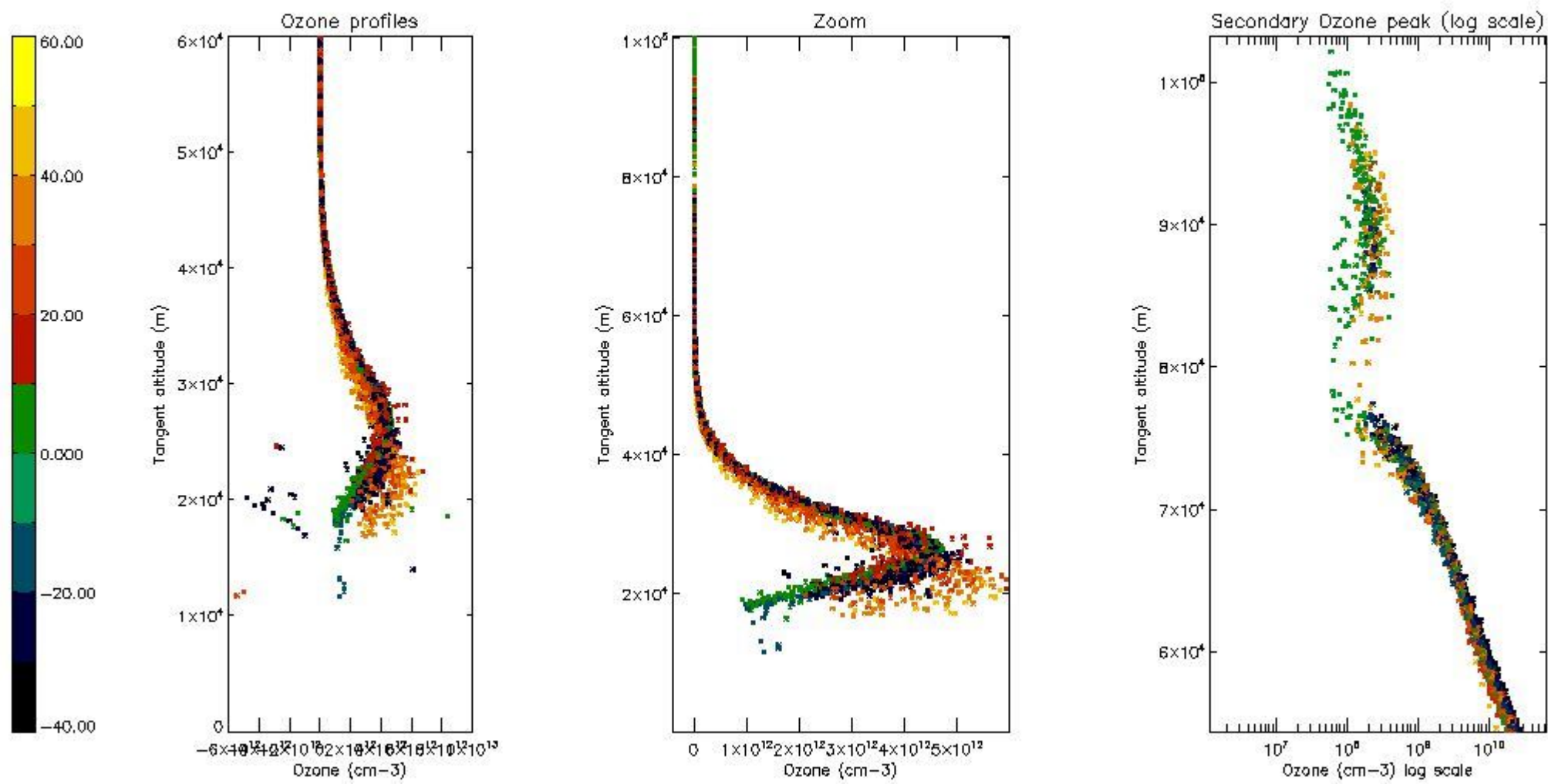
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



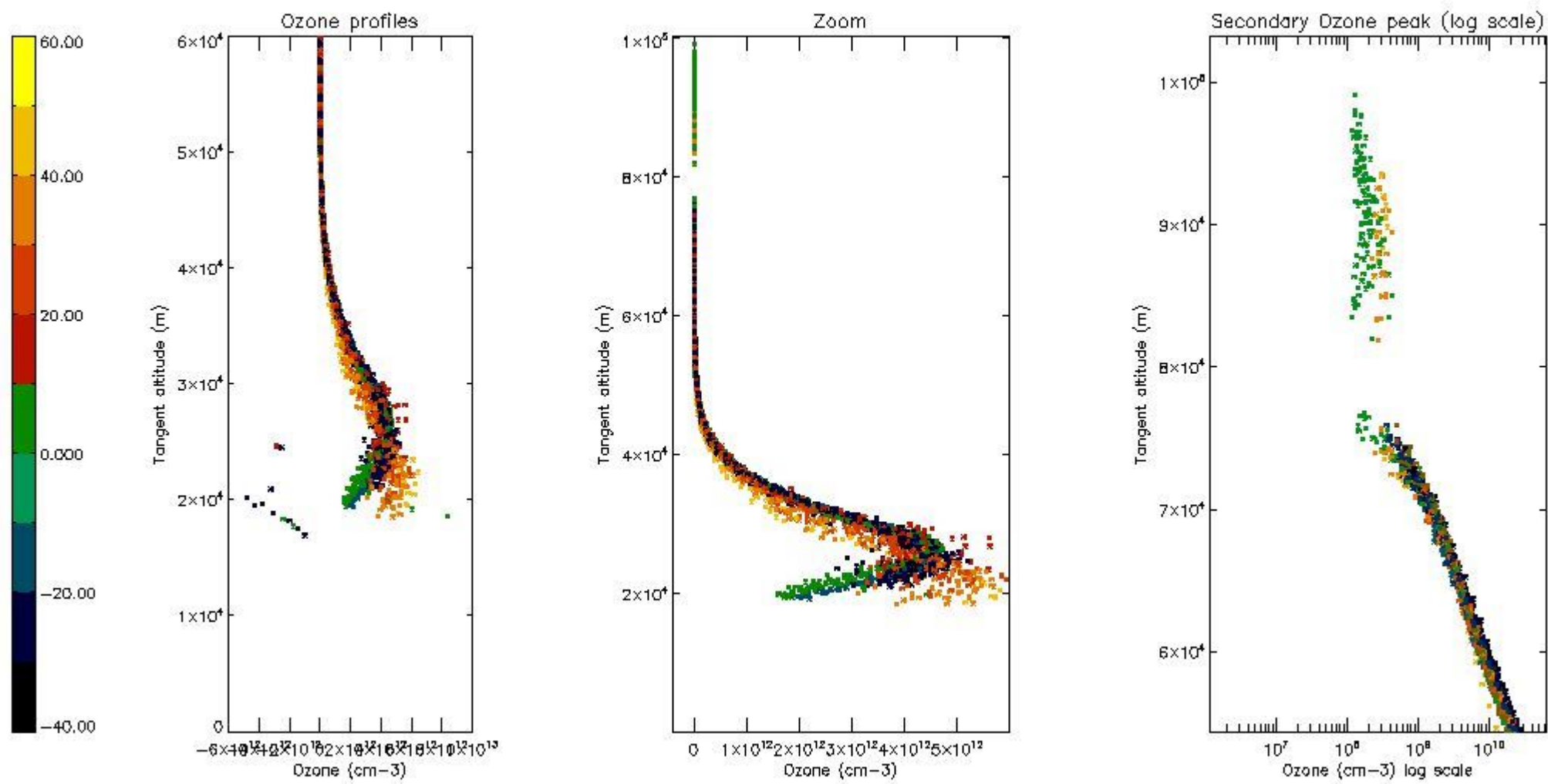
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



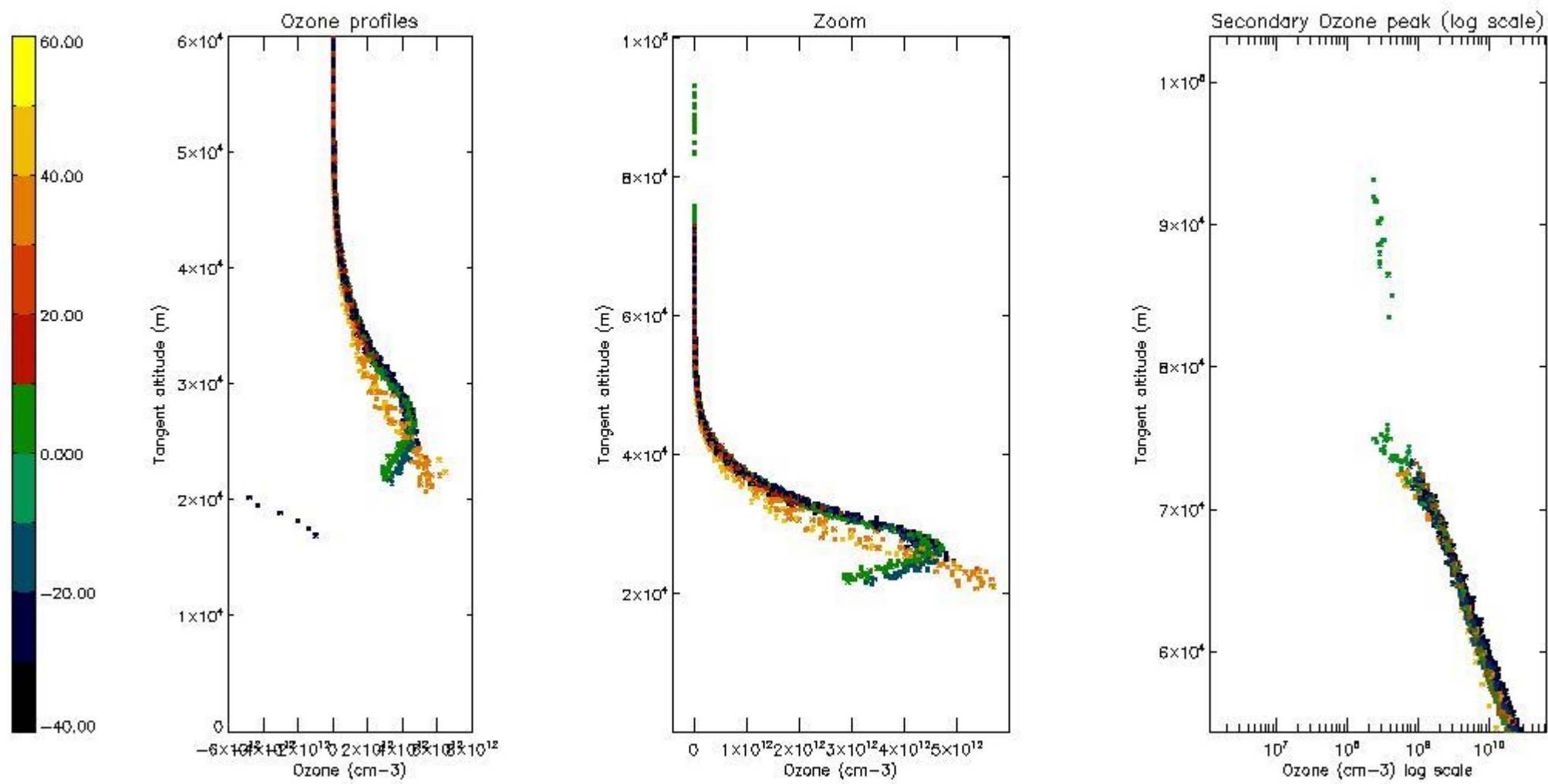
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



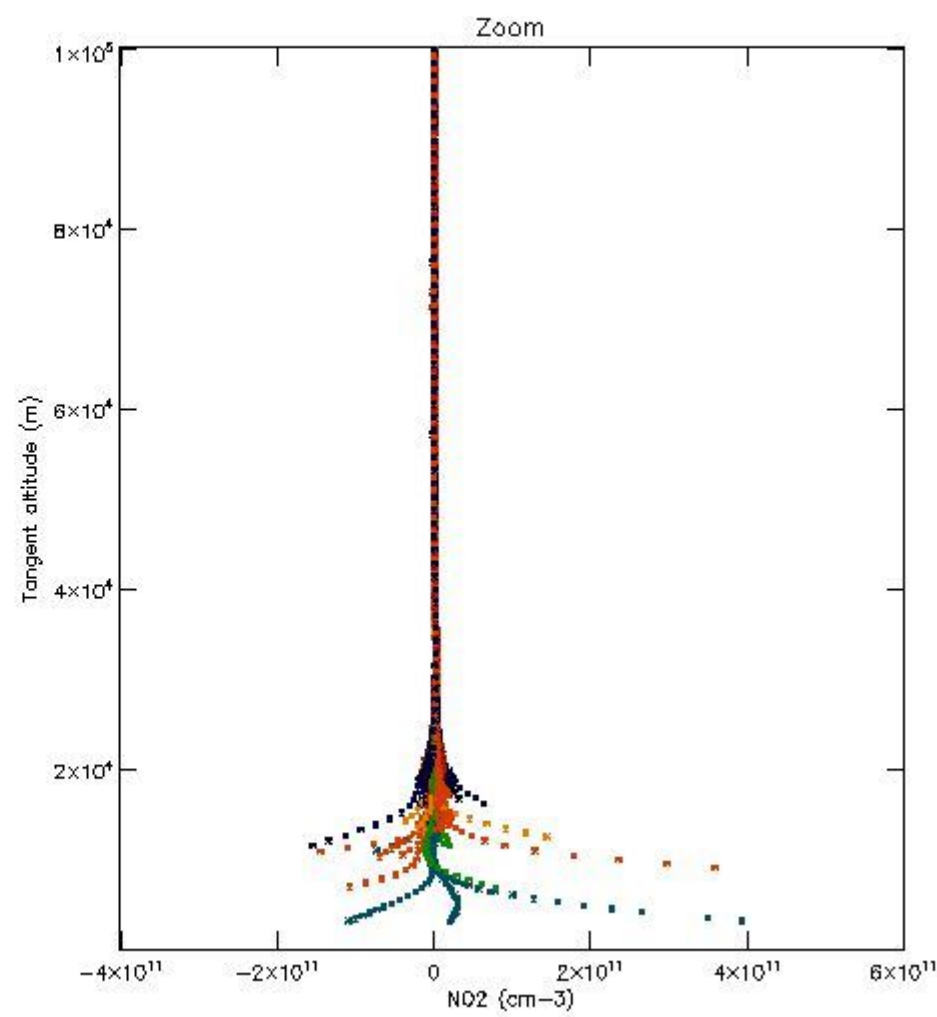
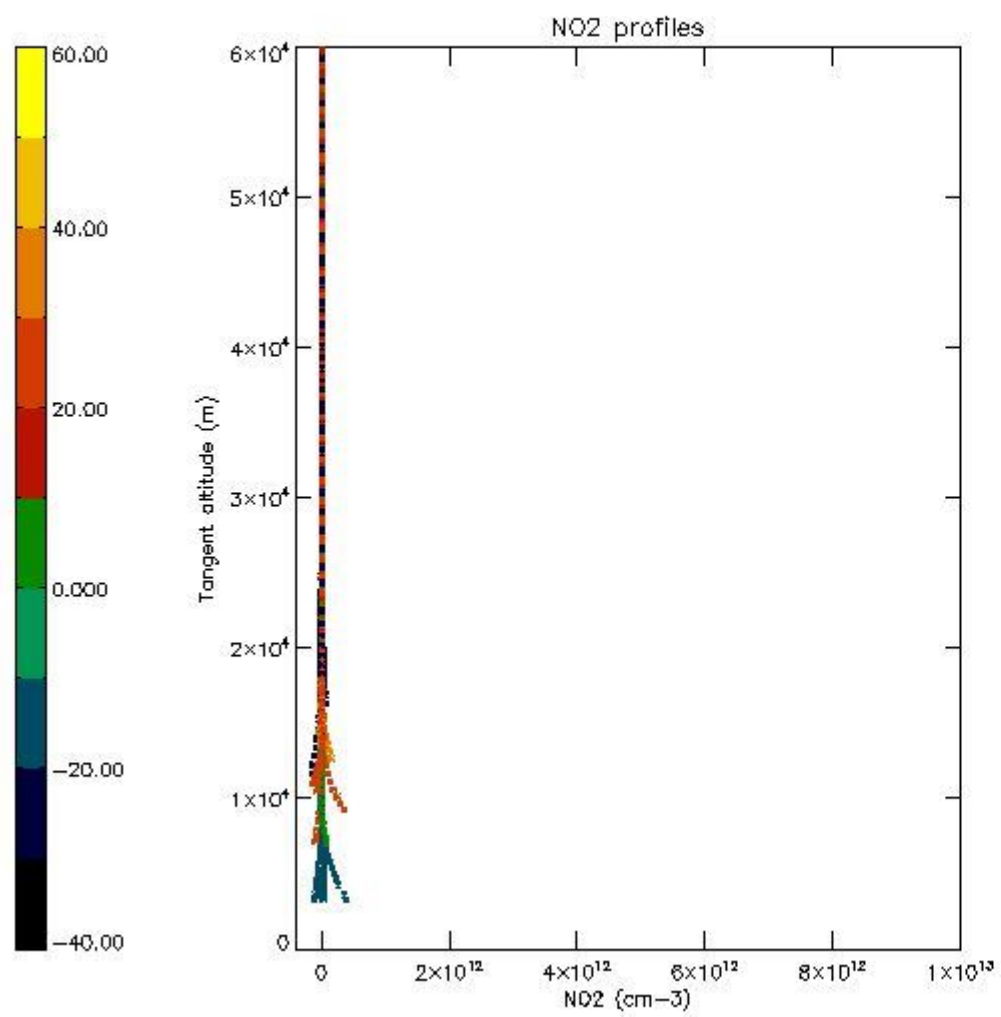
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



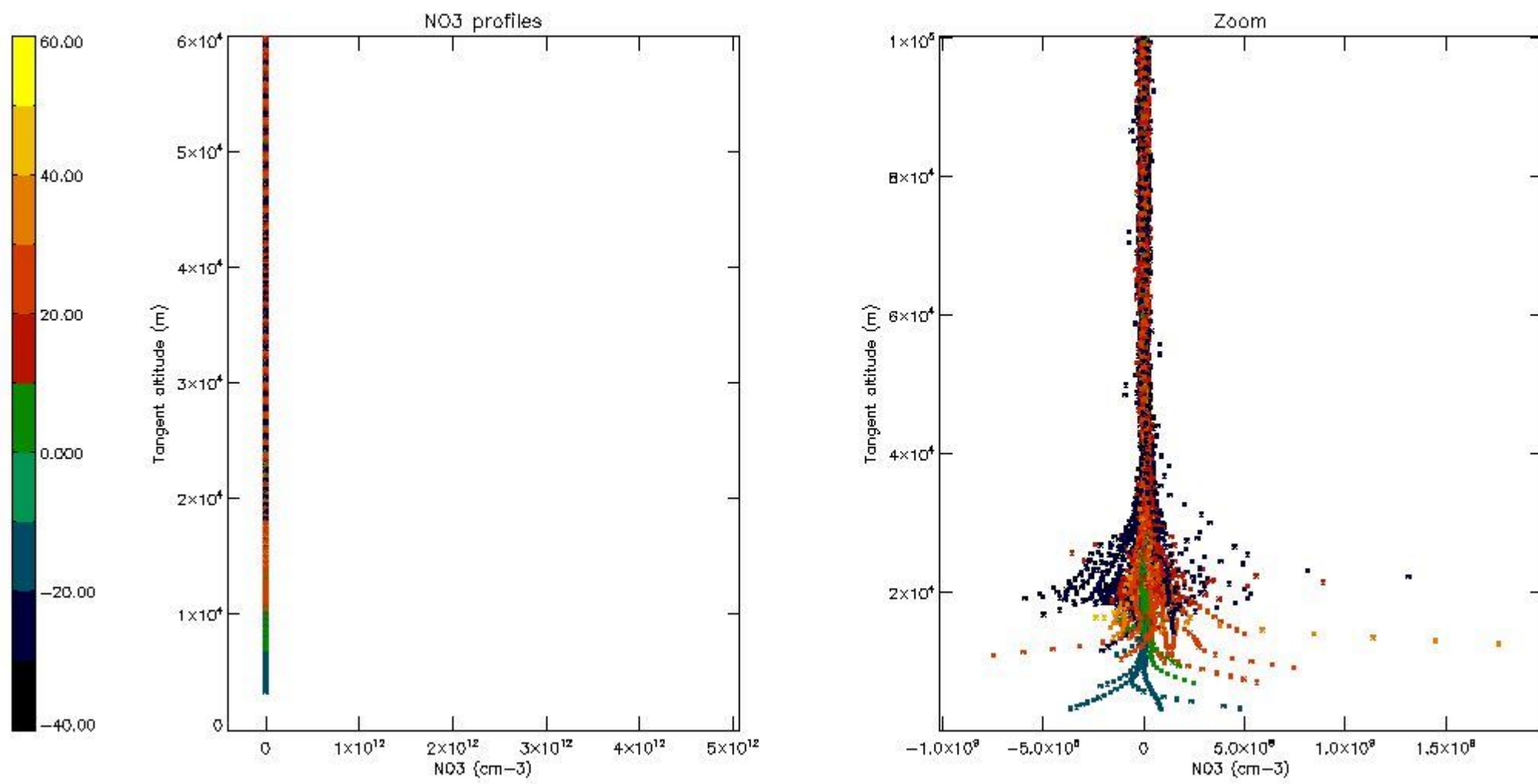
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



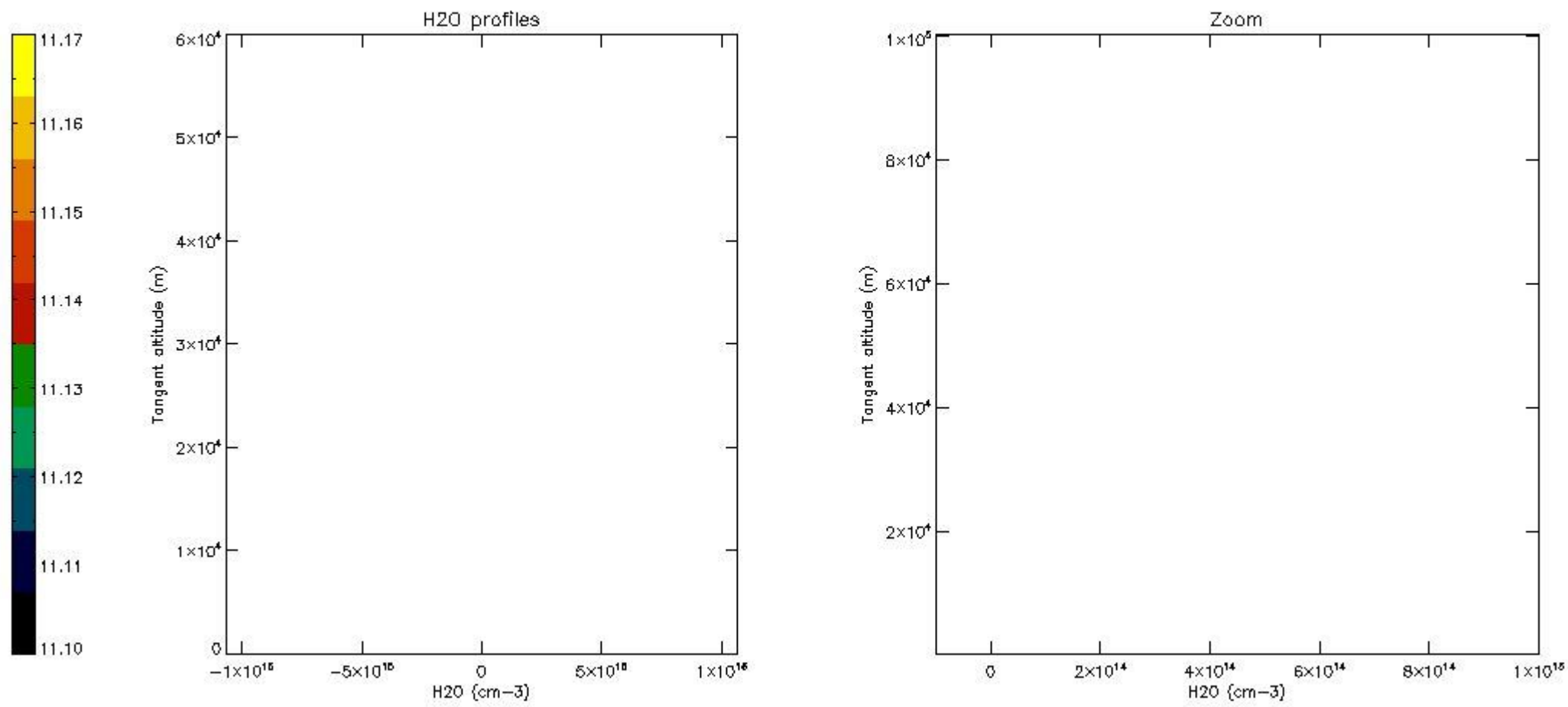
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-JAN-2010 00:02:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-JAN-2010 00:02:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-JAN-2010 00:02:38

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102	GOM_NL__2PRFIN20100120_055737_000000452086_00120_41256_0460.N1	20-JAN-2010 05:57:37	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41256	No
103	GOM_NL__2PRFIN20100120_060705_000000362086_00120_41256_0461.N1	20-JAN-2010 06:07:05	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	41256	No
104	GOM_NL__2PRFIN20100120_060850_000000342086_00120_41256_0462.N1	20-JAN-2010 06:08:50	Bright	34.000	151	13Mu Gem	2.8900	3000.0	68	41256	No
105	GOM_NL__2PRFIN20100120_061116_000000272086_00120_41256_0463.N1	20-JAN-2010 06:11:16	Tw_i_and_stray	27.000	17	78Bet Gem	1.1610	4500.0	54	41256	No
106	GOM_NL__2PRFIN20100120_061212_000000592086_00120_41256_0464.N1	20-JAN-2010 06:12:12	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	41256	No
107	GOM_NL__2PRFIN20100120_061511_000000522086_00120_41256_0465.N1	20-JAN-2010 06:15:11	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	41256	No
108	GOM_NL__2PRFIN20100120_062744_000000382086_00120_41256_0466.N1	20-JAN-2010 06:27:44	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41256	No
109	GOM_NL__2PRFIN20100120_063129_000000422086_00120_41256_0467.N1	20-JAN-2010 06:31:29	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41256	No
110	GOM_NL__2PRFIN20100120_063556_000000352086_00120_41256_0468.N1	20-JAN-2010 06:35:56	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	41256	No
111	GOM_NL__2PRFIN20100120_063841_000000382086_00120_41256_0469.N1	20-JAN-2010 06:38:41	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41256	No
112	GOM_NL__2PRFIN20100120_064502_000000562086_00120_41256_0470.N1	20-JAN-2010 06:45:02	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41256	No
113	GOM_NL__2PRFIN20100120_064815_000000572086_00120_41256_0471.N1	20-JAN-2010 06:48:15	Bright	57.000	127	27Bet Her	2.7810	4700.0	114	41256	No
114	GOM_NL__2PRFIN20100120_064954_000000332086_00120_41256_0472.N1	20-JAN-2010 06:49:54	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	41256	No
115	GOM_NL__2PRFIN20100120_065609_000000482086_00120_41256_0473.N1	20-JAN-2010 06:56:09	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	41256	No
116	GOM_NL__2PRFIN20100120_065806_000000522086_00120_41256_0474.N1	20-JAN-2010 06:58:06	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	41256	No
117	GOM_NL__2PRFIN20100120_070155_000000492086_00120_41256_0475.N1	20-JAN-2010 07:01:55	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41256	No
118	GOM_NL__2PRFIN20100120_070328_000000452086_00120_41256_0476.N1	20-JAN-2010 07:03:28	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	41256	No
119	GOM_NL__2PRFIN20100120_070720_000000402086_00120_41256_0477.N1	20-JAN-2010 07:07:20	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41256	No
120	GOM_NL__2PRFIN20100120_070914_000000432086_00120_41256_0478.N1	20-JAN-2010 07:09:14	Dark	43.000	109	Bet Lup	2.6770	26000.	86	41256	No
121	GOM_NL__2PRFIN20100120_071044_000000432086_00120_41256_0479.N1	20-JAN-2010 07:10:44	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41256	No
122	GOM_NL__2PRFIN20100120_071303_000000442086_00121_41257_0463.N1	20-JAN-2010 07:13:03	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41257	No
123	GOM_NL__2PRFIN20100120_071733_000000392086_00121_41257_0464.N1	20-JAN-2010 07:17:33	Dark	38.500	12	Alp1Cru	0.77500	30000.	77	41257	No
124	GOM_NL__2PRFIN20100120_072043_000000392086_00121_41257_0465.N1	20-JAN-2010 07:20:43	Dark	38.500	124	The Car	2.7640	30000.	77	41257	No
125	GOM_NL__2PRFIN20100120_072203_000000392086_00121_41257_0466.N1	20-JAN-2010 07:22:03	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41257	No
126	GOM_NL__2PRFIN20100120_073034_000000422086_00121_41257_0467.N1	20-JAN-2010 07:30:34	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41257	No
127	GOM_NL__2PRFIN20100120_073208_000000432086_00121_41257_0468.N1	20-JAN-2010 07:32:08	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41257	No
128	GOM_NL__2PRFIN20100120_073438_000000432086_00121_41257_0469.N1	20-JAN-2010 07:34:38	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41257	No
129	GOM_NL__2PRFIN20100120_073602_000000392086_00121_41257_0470.N1	20-JAN-2010 07:36:02	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	41257	No
130	GOM_NL__2PRFIN20100120_073813_000000452086_00121_41257_0471.N1	20-JAN-2010 07:38:13	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41257	No
131	GOM_NL__2PRFIN20100120_074437_000000502086_00121_41257_0472.N1	20-JAN-2010 07:44:37	Tw_i_and_stray	50.000	8	10Alp CMi	0.40000	6500.0	100	41257	No
132	GOM_NL__2PRFIN20100120_074741_000000372086_00121_41257_0473.N1	20-JAN-2010 07:47:41	Bright	36.500	44	24Gam Gem	1.9280	11000.	73	41257	No
133	GOM_NL__2PRFIN20100120_074926_000000522086_00121_41257_0474.N1	20-JAN-2010 07:49:26	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	41257	No
134	GOM_NL__2PRFIN20100120_075152_000000272086_00121_41257_0475.N1	20-JAN-2010 07:51:52	Tw_i_and_stray	27.000	17	78Bet Gem	1.1610	4500.0	54	41257	No
135	GOM_NL__2PRFIN20100120_075248_000000592086_00121_41257_0476.N1	20-JAN-2010 07:52:48	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	41257	No
136	GOM_NL__2PRFIN20100120_075547_000000352086_00121_41257_0477.N1	20-JAN-2010 07:55:47	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41257	No
137	GOM_NL__2PRFIN20100120_080821_000000342086_00121_41257_0478.N1	20-JAN-2010 08:08:21	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41257	No
138	GOM_NL__2PRFIN20100120_081205_000000362086_00121_41257_0479.N1	20-JAN-2010 08:12:05	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	41257	No
139	GOM_NL__2PRFIN20100120_081632_000000382086_00121_41257_0480.N1	20-JAN-2010 08:16:32	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41257	No
140	GOM_NL__2PRFIN20100120_081917_000000342086_00121_41257_0481.N1	20-JAN-2010 08:19:17	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	41257	No
141	GOM_NL__2PRFIN20100120_082538_000000562086_00121_41257_0482.N1	20-JAN-2010 08:25:38	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41257	No
142	GOM_NL__2PRFIN20100120_082851_000000382086_00121_41257_0483.N1	20-JAN-2010 08:28:51	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	41257	No
143	GOM_NL__2PRFIN20100120_083031_000000332086_00121_41257_0484.N1	20-JAN-2010 08:30:31	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	41257	No
144	GOM_NL__2PRFIN20100120_083646_000000522086_00121_41257_0485.N1	20-JAN-2010 08:36:46	Bright	51.500	120	1Del Oph	2.7340	3200.0	103	41257	No
145	GOM_NL__2PRFIN20100120_083842_000000522086_00121_41257_0486.N1	20-JAN-2010 08:38:42	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	41257	No
146	GOM_NL__2PRFIN20100120_084231_000000502086_00121_41257_0487.N1	20-JAN-2010 08:42:31	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	41257	No
147	GOM_NL__2PRFIN20100120_084405_000000422086_00121_41257_0488.N1	20-JAN-2010 08:44:05	Twilight	41.500	75	26Eps Sco	2.2910	4250.0	83	41257	No
148	GOM_NL__2PRFIN20100120_084757_000000402086_00121_41257_0489.N1	20-JAN-2010 08:47:57	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41257	No
149	GOM_NL__2PRFIN20100120_084950_000000422086_00121_41257_0490.N1	20-JAN-2010 08:49:50	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41257	No
150	GOM_NL__2PRFIN20100120_085121_000000422086_00121_41257_0491.N1	20-JAN-2010 08:51:21	Dark	41.500	78	Alp Lup	2.3040	28000.	83	41257	No
151	GOM_NL__2PRFIN20100120_085340_000000422086_00122_41258_0472.N1	20-JAN-2010 08:53:40	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41258	No
152	GOM_NL__2PRFIN20100120_085810_000000402086_00122_41258_0473.N1	20-JAN-2010 08:58:10	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41258	No
153	GOM_NL__2PRFIN20100120_090119_000000382086_00122_41258_0474.N1	20-JAN-2010 09:01:19	Dark	38.000	124	The Car	2.7640	30000.	76	41258	No
154	GOM_NL__2PRFIN20100120_090240_000000382086_00122_41258_0475.N1	20-JAN-2010 09:02:40	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41258	No
155	GOM_NL__2PRFIN20100120_091110_000000412086_00122_41258_0476.N1	20-JAN-2010 09:11:10	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41258	No
156	GOM_NL__2PRFIN20100120_091244_000000432086_00122_41258_0477.N1	20-JAN-2010 09:12:44	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	41258	No
157	GOM_NL__2PRFIN20100120_091515_000000412086_00122_41258_0478.N1	20-JAN-2010 09:15:15	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41258	No
158	GOM_NL__2PRFIN20100120_091638_000000402086_00122_41258_0479.N1	20-JAN-2010 09:16:38	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41258	No
159	GOM_NL__2PRFIN20100120_091849_000000452086_00122_41258_0480.N1	20-JAN-2010 09:18:49	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41258	No
160	GOM_NL__2PRFIN20100120_092513_000000532086_00122_41258_0481.N1	20-JAN-2010 09:25:13	Tw_i_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	41258	No

161	GOM_NL__2PRFIN20100120_092817_000000382086_00122_41258_0482.N1	20-JAN-2010 09:28:17	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	41258	No
162	GOM_NL__2PRFIN20100120_093002_000000522086_00122_41258_0483.N1	20-JAN-2010 09:30:02	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	41258	No
163	GOM_NL__2PRFIN20100120_093227_000000352086_00122_41258_0484.N1	20-JAN-2010 09:32:27	Bright	35.000	17	78Bet Gem	1.1610	4500.0	70	41258	No
164	GOM_NL__2PRFIN20100120_093323_000000422086_00122_41258_0485.N1	20-JAN-2010 09:33:23	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	41258	No
165	GOM_NL__2PRFIN20100120_093623_000000382086_00122_41258_0486.N1	20-JAN-2010 09:36:23	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41258	No
166	GOM_NL__2PRFIN20100120_094856_000000362086_00122_41258_0487.N1	20-JAN-2010 09:48:56	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41258	No
167	GOM_NL__2PRFIN20100120_095708_000000392086_00122_41258_0488.N1	20-JAN-2010 09:57:08	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41258	No
168	GOM_NL__2PRFIN20100120_095953_000000342086_00122_41258_0489.N1	20-JAN-2010 09:59:53	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	41258	No
169	GOM_NL__2PRFIN20100120_100614_000000562086_00122_41258_0490.N1	20-JAN-2010 10:06:14	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41258	No
170	GOM_NL__2PRFIN20100120_100927_000000572086_00122_41258_0491.N1	20-JAN-2010 10:09:27	Bright	57.000	127	27Bet Her	2.7810	4700.0	114	41258	No
171	GOM_NL__2PRFIN20100120_101107_000000522086_00122_41258_0492.N1	20-JAN-2010 10:11:07	Bright	52.000	59	55Alp Oph	2.0800	8900.0	104	41258	No
172	GOM_NL__2PRFIN20100120_101722_000000502086_00122_41258_0493.N1	20-JAN-2010 10:17:22	Bright	50.000	120	1Del Oph	2.7340	3200.0	100	41258	No
173	GOM_NL__2PRFIN20100120_102307_000000472086_00122_41258_0494.N1	20-JAN-2010 10:23:07	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	41258	No
174	GOM_NL__2PRFIN20100120_102441_000000442086_00122_41258_0495.N1	20-JAN-2010 10:24:41	Twilight	43.500	75	26Eps Sco	2.2910	4250.0	87	41258	No
175	GOM_NL__2PRFIN20100120_102833_000000402086_00122_41258_0496.N1	20-JAN-2010 10:28:33	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41258	No
176	GOM_NL__2PRFIN20100120_103027_000000422086_00122_41258_0497.N1	20-JAN-2010 10:30:27	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41258	No
177	GOM_NL__2PRFIN20100120_103157_000000482086_00122_41258_0498.N1	20-JAN-2010 10:31:57	Dark	47.500	78	Alp Lup	2.3040	28000.	95	41258	No
178	GOM_NL__2PRFIN20100120_103416_000000432086_00123_41259_0481.N1	20-JAN-2010 10:34:16	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41259	No
179	GOM_NL__2PRFIN20100120_103846_000000422086_00123_41259_0482.N1	20-JAN-2010 10:38:46	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41259	No
180	GOM_NL__2PRFIN20100120_104155_000000392086_00123_41259_0483.N1	20-JAN-2010 10:41:55	Dark	39.000	124	The Car	2.7640	30000.	78	41259	No
181	GOM_NL__2PRFIN20100120_104316_000000392086_00123_41259_0484.N1	20-JAN-2010 10:43:16	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41259	No
182	GOM_NL__2PRFIN20100120_104509_000000402086_00123_41259_0485.N1	20-JAN-2010 10:45:09	Dark	40.000	71	lot Car	2.2460	7700.0	80	41259	No
183	GOM_NL__2PRFIN20100120_105550_000000412086_00123_41259_0486.N1	20-JAN-2010 10:55:50	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	41259	No
184	GOM_NL__2PRFIN20100120_105714_000000402086_00123_41259_0487.N1	20-JAN-2010 10:57:14	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41259	No
185	GOM_NL__2PRFIN20100120_105925_000000452086_00123_41259_0488.N1	20-JAN-2010 10:59:25	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41259	No
186	GOM_NL__2PRFIN20100120_110548_000000532086_00123_41259_0489.N1	20-JAN-2010 11:05:48	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	41259	No
187	GOM_NL__2PRFIN20100120_110853_000000442086_00123_41259_0490.N1	20-JAN-2010 11:08:53	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	41259	No
188	GOM_NL__2PRFIN20100120_111038_000000392086_00123_41259_0491.N1	20-JAN-2010 11:10:38	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	41259	No
189	GOM_NL__2PRFIN20100120_111303_000000352086_00123_41259_0492.N1	20-JAN-2010 11:13:03	Bright	35.000	17	78Bet Gem	1.1610	4500.0	70	41259	No
190	GOM_NL__2PRFIN20100120_111359_000000442086_00123_41259_0493.N1	20-JAN-2010 11:13:59	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	41259	No
191	GOM_NL__2PRFIN20100120_111659_000000452086_00123_41259_0494.N1	20-JAN-2010 11:16:59	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	41259	No
192	GOM_NL__2PRFIN20100120_112932_000000522086_00123_41259_0495.N1	20-JAN-2010 11:29:32	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	41259	No
193	GOM_NL__2PRFIN20100120_113744_000000402086_00123_41259_0496.N1	20-JAN-2010 11:37:44	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41259	No
194	GOM_NL__2PRFIN20100120_114028_000000342086_00123_41259_0497.N1	20-JAN-2010 11:40:28	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	41259	No
195	GOM_NL__2PRFIN20100120_115003_000000572086_00123_41259_0498.N1	20-JAN-2010 11:50:03	Bright	57.000	127	27Bet Her	2.7810	4700.0	114	41259	No
196	GOM_NL__2PRFIN20100120_115143_000000522086_00123_41259_0499.N1	20-JAN-2010 11:51:43	Bright	52.000	59	55Alp Oph	2.0800	8900.0	104	41259	No
197	GOM_NL__2PRFIN20100120_115759_000000492086_00123_41259_0500.N1	20-JAN-2010 11:57:59	Bright	49.000	120	1Del Oph	2.7340	3200.0	98	41259	No
198	GOM_NL__2PRFIN20100120_120344_000000472086_00123_41259_0501.N1	20-JAN-2010 12:03:44	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	41259	No
199	GOM_NL__2PRFIN20100120_120517_000000432086_00123_41259_0502.N1	20-JAN-2010 12:05:17	Twilight	42.500	75	26Eps Sco	2.2910	4250.0	85	41259	No
200	GOM_NL__2PRFIN20100120_120909_000000412086_00123_41259_0503.N1	20-JAN-2010 12:09:09	Dark	41.000	131	Gam Lup	2.8000	26000.	82	41259	No
201	GOM_NL__2PRFIN20100120_121104_000000422086_00123_41259_0504.N1	20-JAN-2010 12:11:04	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41259	No
202	GOM_NL__2PRFIN20100120_121234_000000422086_00123_41259_0505.N1	20-JAN-2010 12:12:34	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41259	No
203	GOM_NL__2PRFIN20100120_121922_000000432086_00124_41260_0490.N1	20-JAN-2010 12:19:22	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	41260	No
204	GOM_NL__2PRFIN20100120_122232_000000402086_00124_41260_0491.N1	20-JAN-2010 12:22:32	Dark	39.500	124	The Car	2.7640	30000.	79	41260	No
205	GOM_NL__2PRFIN20100120_122352_000000382086_00124_41260_0492.N1	20-JAN-2010 12:23:52	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41260	No
206	GOM_NL__2PRFIN20100120_122546_000000432086_00124_41260_0493.N1	20-JAN-2010 12:25:46	Dark	42.500	71	lot Car	2.2460	7700.0	85	41260	No
207	GOM_NL__2PRFIN20100120_122736_000000402086_00124_41260_0494.N1	20-JAN-2010 12:27:36	Dark	40.000	46	Del Vel	1.9540	10600.	80	41260	No
208	GOM_NL__2PRFIN20100120_123015_000000392086_00124_41260_0495.N1	20-JAN-2010 12:30:15	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	41260	No
209	GOM_NL__2PRFIN20100120_123222_000000412086_00124_41260_0496.N1	20-JAN-2010 12:32:22	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41260	No
210	GOM_NL__2PRFIN20100120_123356_000000452086_00124_41260_0497.N1	20-JAN-2010 12:33:56	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41260	No
211	GOM_NL__2PRFIN20100120_123627_000000412086_00124_41260_0498.N1	20-JAN-2010 12:36:27	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	41260	No
212	GOM_NL__2PRFIN20100120_123750_000000412086_00124_41260_0499.N1	20-JAN-2010 12:37:50	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41260	No
213	GOM_NL__2PRFIN20100120_124001_000000462086_00124_41260_0500.N1	20-JAN-2010 12:40:01	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	41260	No
214	GOM_NL__2PRFIN20100120_124624_000000542086_00124_41260_0501.N1	20-JAN-2010 12:46:24	Tw_i_and_stray	53.500	8	10Alp CMi	0.40000	6500.0	107	41260	No
215	GOM_NL__2PRFIN20100120_124929_000000442086_00124_41260_0502.N1	20-JAN-2010 12:49:29	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	41260	No
216	GOM_NL__2PRFIN20100120_125114_000000412086_00124_41260_0503.N1	20-JAN-2010 12:51:14	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41260	No
217	GOM_NL__2PRFIN20100120_125338_000000432086_00124_41260_0504.N1	20-JAN-2010 12:53:38	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	41260	No
218	GOM_NL__2PRFIN20100120_125525_000000382086_00124_41260_0505.N1	20-JAN-2010 12:55:25	Bright	38.000	107	37The Aur	2.6490	11000.	76	41260	No
219	GOM_NL__2PRFIN20100120_125735_000000372086_00124_41260_0506.N1	20-JAN-2010 12:57:35	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41260	No

220	GOM_NL__2PRFIN20100120_131008_000000522086_00124_41260_0507.N1	20-JAN-2010 13:10:08	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	41260	No
221	GOM_NL__2PRFIN20100120_131352_000000362086_00124_41260_0508.N1	20-JAN-2010 13:13:52	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41260	No
222	GOM_NL__2PRFIN20100120_131820_000000552086_00124_41260_0509.N1	20-JAN-2010 13:18:20	Bright	55.000	119	14Eta Dra	2.7270	4700.0	110	41260	No
223	GOM_NL__2PRFIN20100120_132105_000000362086_00124_41260_0510.N1	20-JAN-2010 13:21:05	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41260	No
224	GOM_NL__2PRFIN20100120_132726_000000372086_00124_41260_0511.N1	20-JAN-2010 13:27:26	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	41260	No
225	GOM_NL__2PRFIN20100120_133040_000000402086_00124_41260_0512.N1	20-JAN-2010 13:30:40	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41260	No
226	GOM_NL__2PRFIN20100120_133219_000000522086_00124_41260_0513.N1	20-JAN-2010 13:32:19	Bright	52.000	59	55Alp Oph	2.0800	8900.0	104	41260	No
227	GOM_NL__2PRFIN20100120_133835_000000462086_00124_41260_0514.N1	20-JAN-2010 13:38:35	Bright	46.000	120	1Del Oph	2.7340	3200.0	92	41260	No
228	GOM_NL__2PRFIN20100120_134420_000000502086_00124_41260_0515.N1	20-JAN-2010 13:44:20	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	41260	No
229	GOM_NL__2PRFIN20100120_134553_000000442086_00124_41260_0516.N1	20-JAN-2010 13:45:53	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	41260	No
230	GOM_NL__2PRFIN20100120_134946_000000402086_00124_41260_0517.N1	20-JAN-2010 13:49:46	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41260	No
231	GOM_NL__2PRFIN20100120_135141_000000422086_00124_41260_0518.N1	20-JAN-2010 13:51:41	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41260	No
232	GOM_NL__2PRFIN20100120_135310_000000422086_00124_41260_0519.N1	20-JAN-2010 13:53:10	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41260	No
233	GOM_NL__2PRFIN20100120_135959_000000432086_00125_41261_0499.N1	20-JAN-2010 13:59:59	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	41261	No
234	GOM_NL__2PRFIN20100120_140308_000000402086_00125_41261_0500.N1	20-JAN-2010 14:03:08	Dark	39.500	124	The Car	2.7640	30000.	79	41261	No
235	GOM_NL__2PRFIN20100120_140429_000000392086_00125_41261_0501.N1	20-JAN-2010 14:04:29	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41261	No
236	GOM_NL__2PRFIN20100120_140622_000000412086_00125_41261_0502.N1	20-JAN-2010 14:06:22	Dark	40.500	71	lot Car	2.2460	7700.0	81	41261	No
237	GOM_NL__2PRFIN20100120_140812_000000372086_00125_41261_0503.N1	20-JAN-2010 14:08:12	Dark	37.000	46	Del Vel	1.9540	10600.	74	41261	No
238	GOM_NL__2PRFIN20100120_141703_000000392086_00125_41261_0504.N1	20-JAN-2010 14:17:03	Straylight	38.500	23	21Eps CMa	1.5020	26000.	77	41261	No
239	GOM_NL__2PRFIN20100120_141826_000000372086_00125_41261_0505.N1	20-JAN-2010 14:18:26	Straylight	36.500	179	24Omi2CMa	3.0320	24000.	73	41261	No
240	GOM_NL__2PRFIN20100120_142037_000000442086_00125_41261_0506.N1	20-JAN-2010 14:20:37	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41261	No
241	GOM_NL__2PRFIN20100120_142700_000000532086_00125_41261_0507.N1	20-JAN-2010 14:27:00	Tw_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	41261	No
242	GOM_NL__2PRFIN20100120_143005_000000502086_00125_41261_0508.N1	20-JAN-2010 14:30:05	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	41261	No
243	GOM_NL__2PRFIN20100120_143414_000000432086_00125_41261_0509.N1	20-JAN-2010 14:34:14	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	41261	No
244	GOM_NL__2PRFIN20100120_143811_000000352086_00125_41261_0510.N1	20-JAN-2010 14:38:11	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41261	No
245	GOM_NL__2PRFIN20100120_145044_000000352086_00125_41261_0511.N1	20-JAN-2010 14:50:44	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41261	No
246	GOM_NL__2PRFIN20100120_145428_000000422086_00125_41261_0512.N1	20-JAN-2010 14:54:28	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41261	No
247	GOM_NL__2PRFIN20100120_145856_000000412086_00125_41261_0513.N1	20-JAN-2010 14:58:56	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41261	No
248	GOM_NL__2PRFIN20100120_150140_000000382086_00125_41261_0514.N1	20-JAN-2010 15:01:40	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41261	No
249	GOM_NL__2PRFIN20100120_150802_000000372086_00125_41261_0515.N1	20-JAN-2010 15:08:02	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	41261	No
250	GOM_NL__2PRFIN20100120_151115_000000572086_00125_41261_0516.N1	20-JAN-2010 15:11:15	Bright	57.000	127	27Bet Her	2.7810	4700.0	114	41261	No
251	GOM_NL__2PRFIN20100120_151912_000000502086_00125_41261_0517.N1	20-JAN-2010 15:19:12	Bright	50.000	120	1Del Oph	2.7340	3200.0	100	41261	No
252	GOM_NL__2PRFIN20100120_152457_000000482086_00125_41261_0518.N1	20-JAN-2010 15:24:57	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	41261	No
253	GOM_NL__2PRFIN20100120_153023_000000422086_00125_41261_0519.N1	20-JAN-2010 15:30:23	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41261	No
254	GOM_NL__2PRFIN20100120_153217_000000412086_00125_41261_0520.N1	20-JAN-2010 15:32:17	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41261	No
255	GOM_NL__2PRFIN20100120_153347_000000412086_00125_41261_0521.N1	20-JAN-2010 15:33:47	Dark	40.500	78	Alp Lup	2.3040	28000.	81	41261	No
256	GOM_NL__2PRFIN20100120_154035_000000442086_00126_41262_0510.N1	20-JAN-2010 15:40:35	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41262	No
257	GOM_NL__2PRFIN20100120_154344_000000382086_00126_41262_0511.N1	20-JAN-2010 15:43:44	Dark	38.000	124	The Car	2.7640	30000.	76	41262	No
258	GOM_NL__2PRFIN20100120_154505_000000372086_00126_41262_0512.N1	20-JAN-2010 15:45:05	Dark	37.000	159	Ups Car	2.9200	7200.0	74	41262	No
259	GOM_NL__2PRFIN20100120_154658_000000402086_00126_41262_0513.N1	20-JAN-2010 15:46:58	Dark	39.500	71	lot Car	2.2460	7700.0	79	41262	No
260	GOM_NL__2PRFIN20100120_154848_000000422086_00126_41262_0514.N1	20-JAN-2010 15:48:48	Dark	41.500	46	Del Vel	1.9540	10600.	83	41262	No
261	GOM_NL__2PRFIN20100120_155127_000000422086_00126_41262_0515.N1	20-JAN-2010 15:51:27	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41262	No
262	GOM_NL__2PRFIN20100120_155335_000000422086_00126_41262_0516.N1	20-JAN-2010 15:53:35	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41262	No
263	GOM_NL__2PRFIN20100120_155509_000000432086_00126_41262_0517.N1	20-JAN-2010 15:55:09	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41262	No
264	GOM_NL__2PRFIN20100120_155739_000000372086_00126_41262_0518.N1	20-JAN-2010 15:57:39	Straylight	36.500	23	21Eps CMa	1.5020	26000.	73	41262	No
265	GOM_NL__2PRFIN20100120_155903_000000352086_00126_41262_0519.N1	20-JAN-2010 15:59:03	Straylight	35.000	179	24Omi2CMa	3.0320	24000.	70	41262	No
266	GOM_NL__2PRFIN20100120_160113_000000382086_00126_41262_0520.N1	20-JAN-2010 16:01:13	Straylight	37.500	1	9Alp CMa	-1.4400	11000.	75	41262	No
267	GOM_NL__2PRFIN20100120_160736_000000582086_00126_41262_0521.N1	20-JAN-2010 16:07:36	Tw_and_stray	58.000	8	10Alp CMi	0.40000	6500.0	116	41262	No
268	GOM_NL__2PRFIN20100120_161040_000000522086_00126_41262_0522.N1	20-JAN-2010 16:10:40	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	41262	No
269	GOM_NL__2PRFIN20100120_161226_000000422086_00126_41262_0523.N1	20-JAN-2010 16:12:26	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41262	No
270	GOM_NL__2PRFIN20100120_161449_000000452086_00126_41262_0524.N1	20-JAN-2010 16:14:49	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	41262	No
271	GOM_NL__2PRFIN20100120_161847_000000352086_00126_41262_0525.N1	20-JAN-2010 16:18:47	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41262	No
272	GOM_NL__2PRFIN20100120_163120_000000392086_00126_41262_0526.N1	20-JAN-2010 16:31:20	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	41262	No
273	GOM_NL__2PRFIN20100120_163504_000000422086_00126_41262_0527.N1	20-JAN-2010 16:35:04	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41262	No
274	GOM_NL__2PRFIN20100120_163931_000000422086_00126_41262_0528.N1	20-JAN-2010 16:39:31	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41262	No
275	GOM_NL__2PRFIN20100120_164217_000000382086_00126_41262_0529.N1	20-JAN-2010 16:42:17	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41262	No
276	GOM_NL__2PRFIN20100120_164838_000000392086_00126_41262_0530.N1	20-JAN-2010 16:48:38	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41262	No
277	GOM_NL__2PRFIN20100120_165152_000000452086_00126_41262_0531.N1	20-JAN-2010 16:51:52	Bright	44.500	127	27Bet Her	2.7810	4700.0	89	41262	No
278	GOM_NL__2PRFIN20100120_165948_000000512086_00126_41262_0532.N1	20-JAN-2010 16:59:48	Bright	51.000	120	1Del Oph	2.7340	3200.0	102	41262	No

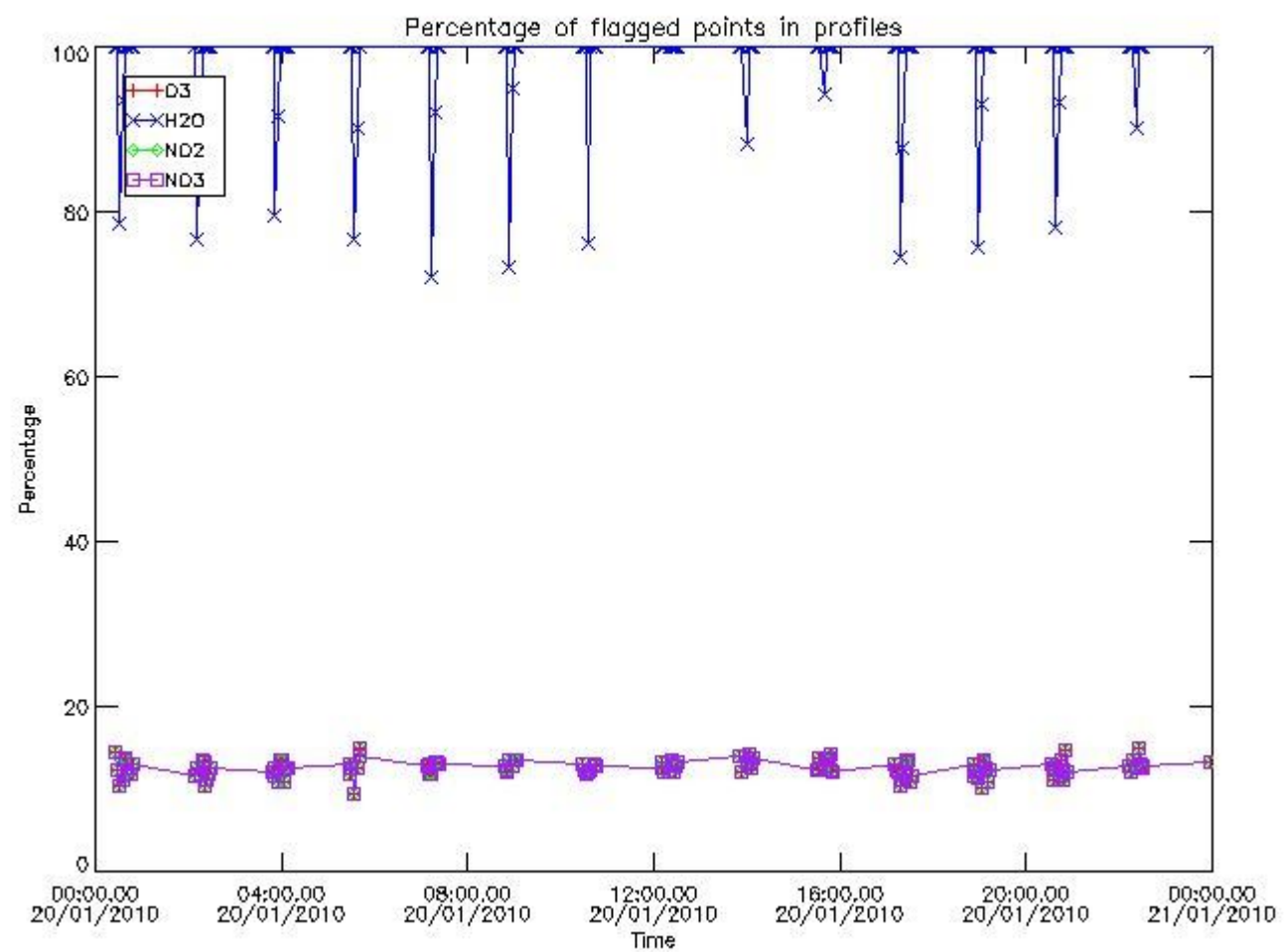
279	GOM_NL__2PRFIN20100120_170143_000000332086_00126_41262_0533.N1	20-JAN-2010 17:01:43	Bright	33.000	86	35Eta Oph	2.4300	10200.	66	41262	No
280	GOM_NL__2PRFIN20100120_170533_000000462086_00126_41262_0534.N1	20-JAN-2010 17:05:33	Twilight	46.000	16	21Alp Sco	1.0200	3000.0	92	41262	No
281	GOM_NL__2PRFIN20100120_170706_000000412086_00126_41262_0535.N1	20-JAN-2010 17:07:06	Twilight	41.000	75	26Eps Sco	2.2910	4250.0	82	41262	No
282	GOM_NL__2PRFIN20100120_171059_000000402086_00126_41262_0536.N1	20-JAN-2010 17:10:59	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41262	No
283	GOM_NL__2PRFIN20100120_171254_000000422086_00126_41262_0537.N1	20-JAN-2010 17:12:54	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41262	No
284	GOM_NL__2PRFIN20100120_171424_000000422086_00126_41262_0538.N1	20-JAN-2010 17:14:24	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41262	No
285	GOM_NL__2PRFIN20100120_171642_000000502086_00127_41263_1096.N1	20-JAN-2010 17:16:42	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	41263	No
286	GOM_NL__2PRFIN20100120_172112_000000462086_00127_41263_1097.N1	20-JAN-2010 17:21:12	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	41263	No
287	GOM_NL__2PRFIN20100120_172421_000000392086_00127_41263_1098.N1	20-JAN-2010 17:24:21	Dark	38.500	124	The Car	2.7640	30000.	77	41263	No
288	GOM_NL__2PRFIN20100120_172541_000000382086_00127_41263_1099.N1	20-JAN-2010 17:25:41	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41263	No
289	GOM_NL__2PRFIN20100120_172734_000000382086_00127_41263_1100.N1	20-JAN-2010 17:27:34	Dark	38.000	71	lot Car	2.2460	7700.0	76	41263	No
290	GOM_NL__2PRFIN20100120_172925_000000482086_00127_41263_1101.N1	20-JAN-2010 17:29:25	Dark	47.500	46	Del Vel	1.9540	10600.	95	41263	No
291	GOM_NL__2PRFIN20100120_173204_000000442086_00127_41263_1102.N1	20-JAN-2010 17:32:04	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41263	No
292	GOM_NL__2PRFIN20100120_173411_000000442086_00127_41263_1103.N1	20-JAN-2010 17:34:11	Straylight	43.500	70	Zet Pup	2.2460	39000.	87	41263	No
293	GOM_NL__2PRFIN20100120_173545_000000462086_00127_41263_1104.N1	20-JAN-2010 17:35:45	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41263	No
294	GOM_NL__2PRFIN20100120_173815_000000422086_00127_41263_1105.N1	20-JAN-2010 17:38:15	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41263	No
295	GOM_NL__2PRFIN20100120_173939_000000362086_00127_41263_1106.N1	20-JAN-2010 17:39:39	Straylight	35.500	179	24Omi2CMa	3.0320	24000.	71	41263	No
296	GOM_NL__2PRFIN20100120_174150_000000372086_00127_41263_1107.N1	20-JAN-2010 17:41:50	Straylight	37.000	1	9Alp CMa	-1.4400	11000.	74	41263	No
297	GOM_NL__2PRFIN20100120_174811_000000542086_00127_41263_1108.N1	20-JAN-2010 17:48:11	Tw_and_stray	53.500	8	10Alp CMi	0.40000	6500.0	107	41263	No
298	GOM_NL__2PRFIN20100120_175116_000000512086_00127_41263_1109.N1	20-JAN-2010 17:51:16	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	41263	No
299	GOM_NL__2PRFIN20100120_175301_000000412086_00127_41263_1110.N1	20-JAN-2010 17:53:01	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41263	No
300	GOM_NL__2PRFIN20100120_175525_000000472086_00127_41263_1111.N1	20-JAN-2010 17:55:25	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	41263	No
301	GOM_NL__2PRFIN20100120_175923_000000372086_00127_41263_1112.N1	20-JAN-2010 17:59:23	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41263	No
302	GOM_NL__2PRFIN20100120_181156_000000382086_00127_41263_1113.N1	20-JAN-2010 18:11:56	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41263	No
303	GOM_NL__2PRFIN20100120_181540_000000382086_00127_41263_1114.N1	20-JAN-2010 18:15:40	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	41263	No
304	GOM_NL__2PRFIN20100120_182008_000000412086_00127_41263_1115.N1	20-JAN-2010 18:20:08	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	41263	No
305	GOM_NL__2PRFIN20100120_182253_000000402086_00127_41263_1116.N1	20-JAN-2010 18:22:53	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41263	No
306	GOM_NL__2PRFIN20100120_182915_000000372086_00127_41263_1117.N1	20-JAN-2010 18:29:15	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	41263	No
307	GOM_NL__2PRFIN20100120_183228_000000382086_00127_41263_1118.N1	20-JAN-2010 18:32:28	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	41263	No
308	GOM_NL__2PRFIN20100120_183407_000000522086_00127_41263_1119.N1	20-JAN-2010 18:34:07	Bright	52.000	59	55Alp Oph	2.0800	8900.0	104	41263	No
309	GOM_NL__2PRFIN20100120_184025_000000492086_00127_41263_1120.N1	20-JAN-2010 18:40:25	Bright	48.500	120	1Del Oph	2.7340	3200.0	97	41263	No
310	GOM_NL__2PRFIN20100120_184610_000000452086_00127_41263_1121.N1	20-JAN-2010 18:46:10	Twilight	44.500	16	21Alp Sco	1.0200	3000.0	89	41263	No
311	GOM_NL__2PRFIN20100120_184742_000000442086_00127_41263_1122.N1	20-JAN-2010 18:47:42	Twilight	43.500	75	26Eps Sco	2.2910	4250.0	87	41263	No
312	GOM_NL__2PRFIN20100120_185136_000000402086_00127_41263_1123.N1	20-JAN-2010 18:51:36	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41263	No
313	GOM_NL__2PRFIN20100120_185331_000000442086_00127_41263_1124.N1	20-JAN-2010 18:53:31	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41263	No
314	GOM_NL__2PRFIN20100120_185500_000000432086_00127_41263_1125.N1	20-JAN-2010 18:55:00	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41263	No
315	GOM_NL__2PRFIN20100120_185718_000000542086_00128_41264_1105.N1	20-JAN-2010 18:57:18	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41264	No
316	GOM_NL__2PRFIN20100120_190148_000000512086_00128_41264_1106.N1	20-JAN-2010 19:01:48	Dark	50.500	12	Alp1Cru	0.77500	30000.	101	41264	No
317	GOM_NL__2PRFIN20100120_190457_000000382086_00128_41264_1107.N1	20-JAN-2010 19:04:57	Dark	38.000	124	The Car	2.7640	30000.	76	41264	No
318	GOM_NL__2PRFIN20100120_190617_000000392086_00128_41264_1108.N1	20-JAN-2010 19:06:17	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41264	No
319	GOM_NL__2PRFIN20100120_190811_000000412086_00128_41264_1109.N1	20-JAN-2010 19:08:11	Dark	40.500	71	lot Car	2.2460	7700.0	81	41264	No
320	GOM_NL__2PRFIN20100120_191001_000000472086_00128_41264_1110.N1	20-JAN-2010 19:10:01	Dark	46.500	46	Del Vel	1.9540	10600.	93	41264	No
321	GOM_NL__2PRFIN20100120_191240_000000422086_00128_41264_1111.N1	20-JAN-2010 19:12:40	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41264	No
322	GOM_NL__2PRFIN20100120_191621_000000422086_00128_41264_1112.N1	20-JAN-2010 19:16:21	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41264	No
323	GOM_NL__2PRFIN20100120_191851_000000422086_00128_41264_1113.N1	20-JAN-2010 19:18:51	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41264	No
324	GOM_NL__2PRFIN20100120_192015_000000382086_00128_41264_1114.N1	20-JAN-2010 19:20:15	Straylight	37.500	179	24Omi2CMa	3.0320	24000.	75	41264	No
325	GOM_NL__2PRFIN20100120_192226_000000372086_00128_41264_1115.N1	20-JAN-2010 19:22:26	Straylight	37.000	1	9Alp CMa	-1.4400	11000.	74	41264	No
326	GOM_NL__2PRFIN20100120_192847_000000522086_00128_41264_1116.N1	20-JAN-2010 19:28:47	Tw_and_stray	52.000	8	10Alp CMi	0.40000	6500.0	104	41264	No
327	GOM_NL__2PRFIN20100120_193152_000000502086_00128_41264_1117.N1	20-JAN-2010 19:31:52	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	41264	No
328	GOM_NL__2PRFIN20100120_193337_000000392086_00128_41264_1118.N1	20-JAN-2010 19:33:37	Bright	38.500	151	13Mu Gem	2.8900	3000.0	77	41264	No
329	GOM_NL__2PRFIN20100120_193600_000000472086_00128_41264_1119.N1	20-JAN-2010 19:36:00	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	41264	No
330	GOM_NL__2PRFIN20100120_193958_000000372086_00128_41264_1120.N1	20-JAN-2010 19:39:58	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41264	No
331	GOM_NL__2PRFIN20100120_195232_000000382086_00128_41264_1121.N1	20-JAN-2010 19:52:32	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41264	No
332	GOM_NL__2PRFIN20100120_195615_000000372086_00128_41264_1122.N1	20-JAN-2010 19:56:15	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41264	No
333	GOM_NL__2PRFIN20100120_200043_000000422086_00128_41264_1123.N1	20-JAN-2010 20:00:43	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41264	No
334	GOM_NL__2PRFIN20100120_200329_000000392086_00128_41264_1124.N1	20-JAN-2010 20:03:29	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41264	No
335	GOM_NL__2PRFIN20100120_200951_000000562086_00128_41264_1125.N1	20-JAN-2010 20:09:51	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41264	No
336	GOM_NL__2PRFIN20100120_201304_000000382086_00128_41264_1126.N1	20-JAN-2010 20:13:04	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	41264	No
337	GOM_NL__2PRFIN20100120_202101_000000482086_00128_41264_1127.N1	20-JAN-2010 20:21:01	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	41264	No

338	GOM_NL__2PRFIN20100120_202256_000000352086_00128_41264_1128.N1	20-JAN-2010 20:22:56	Bright	34.500	86	35Eta Oph	2.4300	10200.	69	41264	No
339	GOM_NL__2PRFIN20100120_202646_000000502086_00128_41264_1129.N1	20-JAN-2010 20:26:46	Twilight	49.500	16	21Alp Sco	1.0200	3000.0	99	41264	No
340	GOM_NL__2PRFIN20100120_202818_000000432086_00128_41264_1130.N1	20-JAN-2010 20:28:18	Twilight	42.500	75	26Eps Sco	2.2910	4250.0	85	41264	No
341	GOM_NL__2PRFIN20100120_203212_000000392086_00128_41264_1131.N1	20-JAN-2010 20:32:12	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41264	No
342	GOM_NL__2PRFIN20100120_203407_000000412086_00128_41264_1132.N1	20-JAN-2010 20:34:07	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41264	No
343	GOM_NL__2PRFIN20100120_203537_000000462086_00128_41264_1133.N1	20-JAN-2010 20:35:37	Dark	45.500	78	Alp Lup	2.3040	28000.	91	41264	No
344	GOM_NL__2PRFIN20100120_203755_000000422086_00129_41265_1114.N1	20-JAN-2010 20:37:55	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41265	No
345	GOM_NL__2PRFIN20100120_204225_000000452086_00129_41265_1115.N1	20-JAN-2010 20:42:25	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41265	No
346	GOM_NL__2PRFIN20100120_204534_000000382086_00129_41265_1116.N1	20-JAN-2010 20:45:34	Dark	38.000	124	The Car	2.7640	30000.	76	41265	No
347	GOM_NL__2PRFIN20100120_204654_000000422086_00129_41265_1117.N1	20-JAN-2010 20:46:54	Dark	41.500	159	Ups Car	2.9200	7200.0	83	41265	No
348	GOM_NL__2PRFIN20100120_204847_000000462086_00129_41265_1118.N1	20-JAN-2010 20:48:47	Dark	45.500	71	lot Car	2.2460	7700.0	91	41265	No
349	GOM_NL__2PRFIN20100120_205037_000000352086_00129_41265_1119.N1	20-JAN-2010 20:50:37	Dark	34.500	46	Del Vel	1.9540	10600.	69	41265	No
350	GOM_NL__2PRFIN20100120_205316_000000432086_00129_41265_1120.N1	20-JAN-2010 20:53:16	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41265	No
351	GOM_NL__2PRFIN20100120_205524_000000432086_00129_41265_1121.N1	20-JAN-2010 20:55:24	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	41265	No
352	GOM_NL__2PRFIN20100120_205657_000000422086_00129_41265_1122.N1	20-JAN-2010 20:56:57	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41265	No
353	GOM_NL__2PRFIN20100120_205927_000000422086_00129_41265_1123.N1	20-JAN-2010 20:59:27	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41265	No
354	GOM_NL__2PRFIN20100120_210051_000000392086_00129_41265_1124.N1	20-JAN-2010 21:00:51	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41265	No
355	GOM_NL__2PRFIN20100120_210302_000000422086_00129_41265_1125.N1	20-JAN-2010 21:03:02	Straylight	42.000	1	9Alp CMa	-1.4400	11000.	84	41265	No
356	GOM_NL__2PRFIN20100120_210923_000000552086_00129_41265_1126.N1	20-JAN-2010 21:09:23	Tw_i_and_stray	54.500	8	10Alp CMi	0.40000	6500.0	109	41265	No
357	GOM_NL__2PRFIN20100120_211228_000000512086_00129_41265_1127.N1	20-JAN-2010 21:12:28	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	41265	No
358	GOM_NL__2PRFIN20100120_211413_000000412086_00129_41265_1128.N1	20-JAN-2010 21:14:13	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41265	No
359	GOM_NL__2PRFIN20100120_211636_000000472086_00129_41265_1129.N1	20-JAN-2010 21:16:36	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	41265	No
360	GOM_NL__2PRFIN20100120_212034_000000372086_00129_41265_1130.N1	20-JAN-2010 21:20:34	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41265	No
361	GOM_NL__2PRFIN20100120_213308_000000342086_00129_41265_1131.N1	20-JAN-2010 21:33:08	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41265	No
362	GOM_NL__2PRFIN20100120_213651_000000402086_00129_41265_1132.N1	20-JAN-2010 21:36:51	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41265	No
363	GOM_NL__2PRFIN20100120_214119_000000422086_00129_41265_1133.N1	20-JAN-2010 21:41:19	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41265	No
364	GOM_NL__2PRFIN20100120_214405_000000372086_00129_41265_1134.N1	20-JAN-2010 21:44:05	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41265	No
365	GOM_NL__2PRFIN20100120_215027_000000562086_00129_41265_1135.N1	20-JAN-2010 21:50:27	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41265	No
366	GOM_NL__2PRFIN20100120_215340_000000582086_00129_41265_1136.N1	20-JAN-2010 21:53:40	Bright	58.000	127	27Bet Her	2.7810	4700.0	116	41265	No
367	GOM_NL__2PRFIN20100120_220137_000000492086_00129_41265_1137.N1	20-JAN-2010 22:01:37	Bright	49.000	120	1Del Oph	2.7340	3200.0	98	41265	No
368	GOM_NL__2PRFIN20100120_220722_000000532086_00129_41265_1138.N1	20-JAN-2010 22:07:22	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	41265	No
369	GOM_NL__2PRFIN20100120_220855_000000442086_00129_41265_1139.N1	20-JAN-2010 22:08:55	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	41265	No
370	GOM_NL__2PRFIN20100120_221249_000000402086_00129_41265_1140.N1	20-JAN-2010 22:12:49	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41265	No
371	GOM_NL__2PRFIN20100120_221444_000000422086_00129_41265_1141.N1	20-JAN-2010 22:14:44	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41265	No
372	GOM_NL__2PRFIN20100120_221614_000000422086_00129_41265_1142.N1	20-JAN-2010 22:16:14	Dark	41.500	78	Alp Lup	2.3040	28000.	83	41265	No
373	GOM_NL__2PRFIN20100120_222301_000000412086_00130_41266_1124.N1	20-JAN-2010 22:23:01	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41266	No
374	GOM_NL__2PRFIN20100120_222610_000000382086_00130_41266_1125.N1	20-JAN-2010 22:26:10	Dark	37.500	124	The Car	2.7640	30000.	75	41266	No
375	GOM_NL__2PRFIN20100120_222730_000000392086_00130_41266_1126.N1	20-JAN-2010 22:27:30	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41266	No
376	GOM_NL__2PRFIN20100120_222923_000000412086_00130_41266_1127.N1	20-JAN-2010 22:29:23	Dark	40.500	71	lot Car	2.2460	7700.0	81	41266	No
377	GOM_NL__2PRFIN20100120_223113_000000442086_00130_41266_1128.N1	20-JAN-2010 22:31:13	Dark	43.500	46	Del Vel	1.9540	10600.	87	41266	No
378	GOM_NL__2PRFIN20100120_223733_000000442086_00130_41266_1129.N1	20-JAN-2010 22:37:33	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41266	No
379	GOM_NL__2PRFIN20100120_224003_000000432086_00130_41266_1130.N1	20-JAN-2010 22:40:03	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41266	No
380	GOM_NL__2PRFIN20100120_224127_000000412086_00130_41266_1131.N1	20-JAN-2010 22:41:27	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41266	No
381	GOM_NL__2PRFIN20100120_224338_000000422086_00130_41266_1132.N1	20-JAN-2010 22:43:38	Straylight	42.000	1	9Alp CMa	-1.4400	11000.	84	41266	No
382	GOM_NL__2PRFIN20100120_224959_000000522086_00130_41266_1133.N1	20-JAN-2010 22:49:59	Tw_i_and_stray	52.000	8	10Alp CMi	0.40000	6500.0	104	41266	No
383	GOM_NL__2PRFIN20100120_225304_000000522086_00130_41266_1134.N1	20-JAN-2010 22:53:04	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	41266	No
384	GOM_NL__2PRFIN20100120_225449_000000422086_00130_41266_1135.N1	20-JAN-2010 22:54:49	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	41266	No
385	GOM_NL__2PRFIN20100120_225711_000000472086_00130_41266_1136.N1	20-JAN-2010 22:57:11	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	41266	No
386	GOM_NL__2PRFIN20100120_230111_000000372086_00130_41266_1137.N1	20-JAN-2010 23:01:11	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41266	No
387	GOM_NL__2PRFIN20100120_231344_000000332086_00130_41266_1138.N1	20-JAN-2010 23:13:44	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41266	No
388	GOM_NL__2PRFIN20100120_231727_000000372086_00130_41266_1139.N1	20-JAN-2010 23:17:27	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41266	No
389	GOM_NL__2PRFIN20100120_232155_000000382086_00130_41266_1140.N1	20-JAN-2010 23:21:55	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41266	No
390	GOM_NL__2PRFIN20100120_232441_000000372086_00130_41266_1141.N1	20-JAN-2010 23:24:41	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41266	No
391	GOM_NL__2PRFIN20100120_233103_000000562086_00130_41266_1142.N1	20-JAN-2010 23:31:03	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41266	No
392	GOM_NL__2PRFIN20100120_233416_000000402086_00130_41266_1143.N1	20-JAN-2010 23:34:16	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	41266	No
393	GOM_NL__2PRFIN20100120_234214_000000482086_00130_41266_1144.N1	20-JAN-2010 23:42:14	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	41266	No
394	GOM_NL__2PRFIN20100120_234758_000000492086_00130_41266_1145.N1	20-JAN-2010 23:47:58	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	41266	No
395	GOM_NL__2PRFIN20100120_235650_000000432086_00130_41266_1146.N1	20-JAN-2010 23:56:50	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41266	No

3. Quality information per product

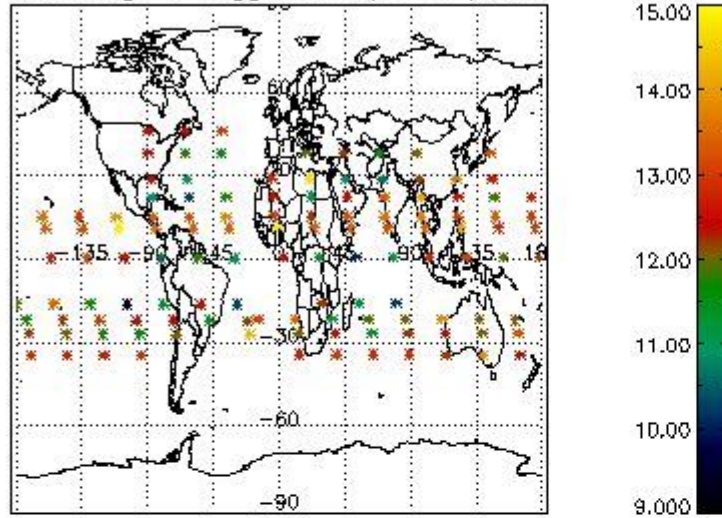
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

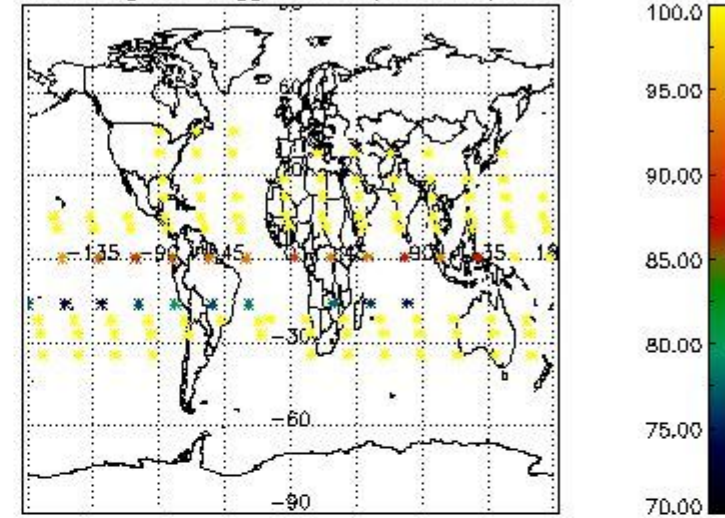


3.2 Plot quality information per product (world map)

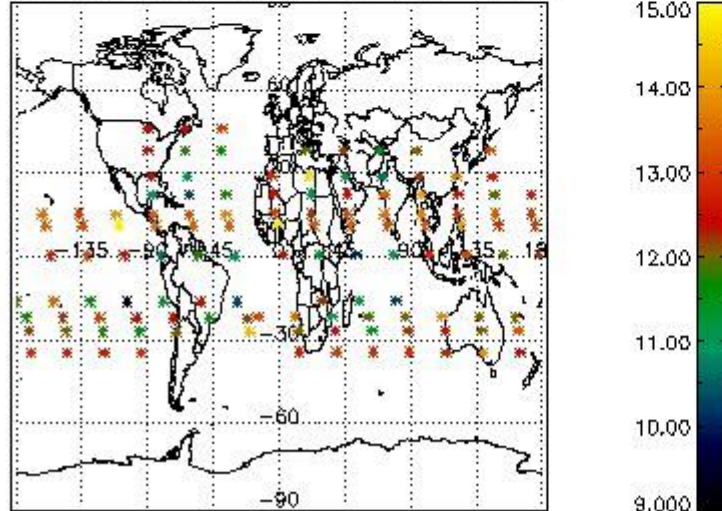
Percentage of flagged data per O3 profile



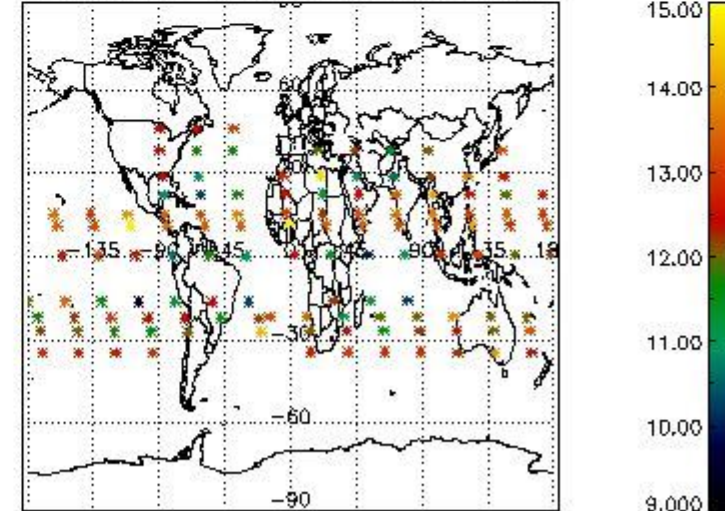
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

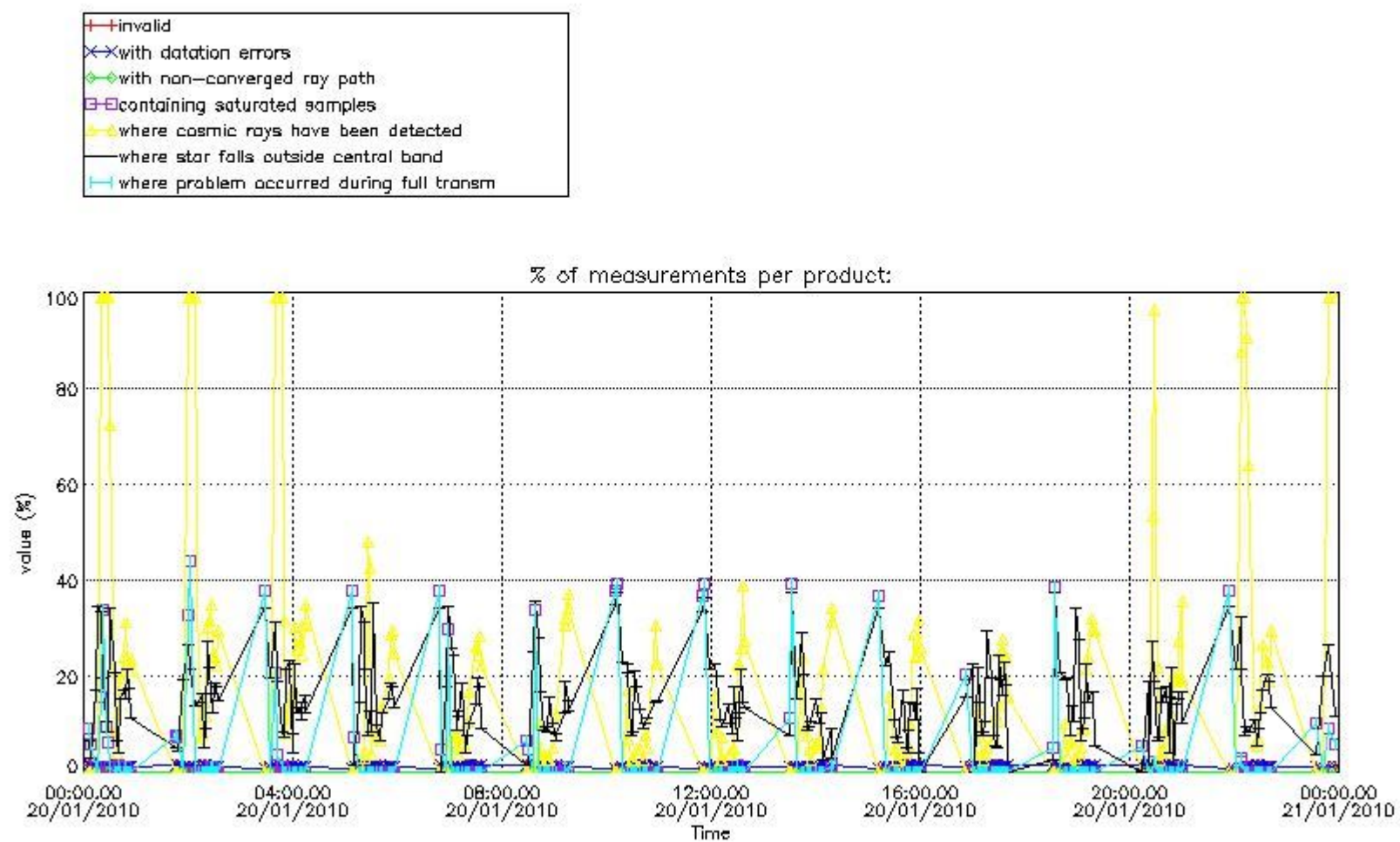


4. Level 1 quality information per product

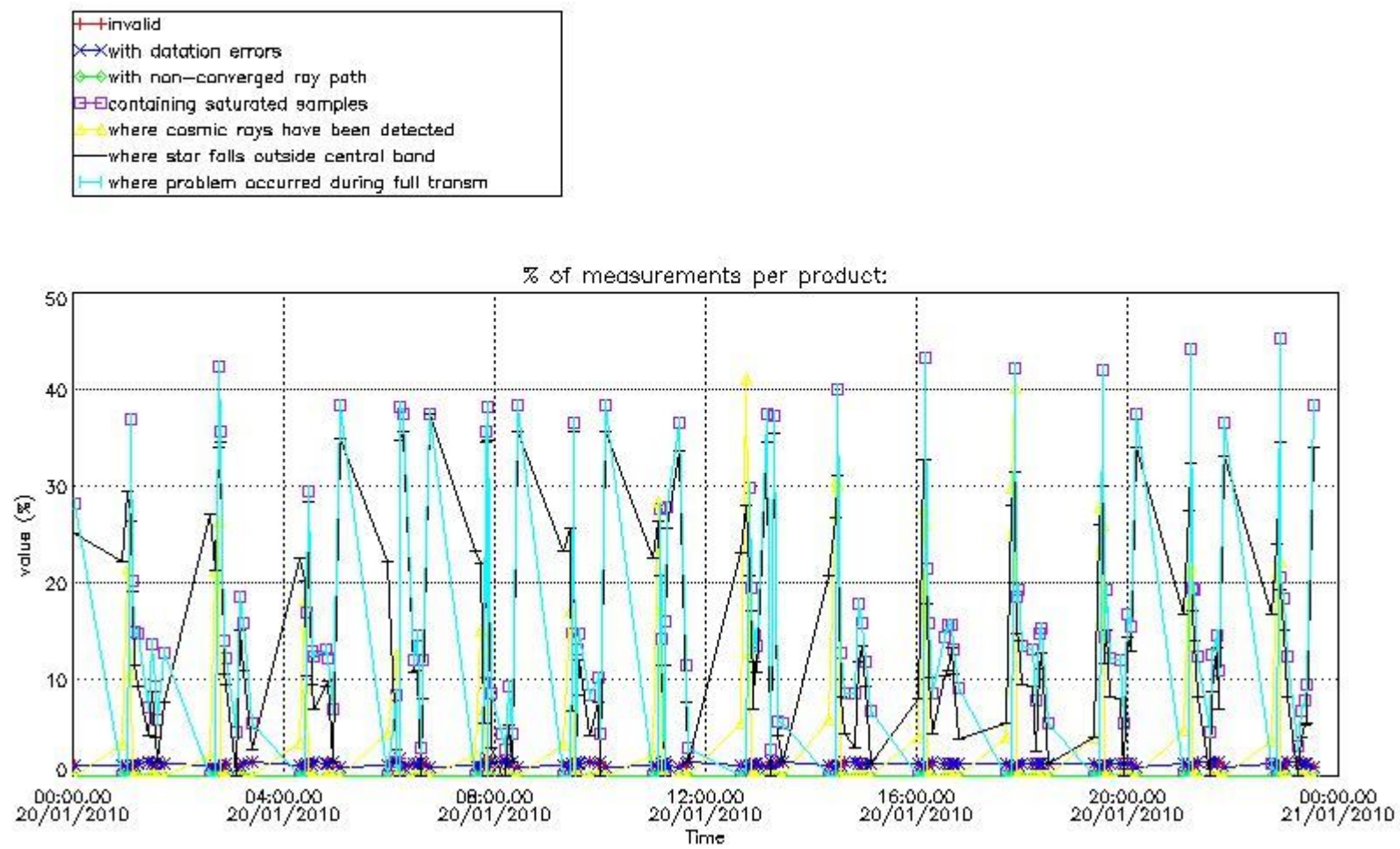
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



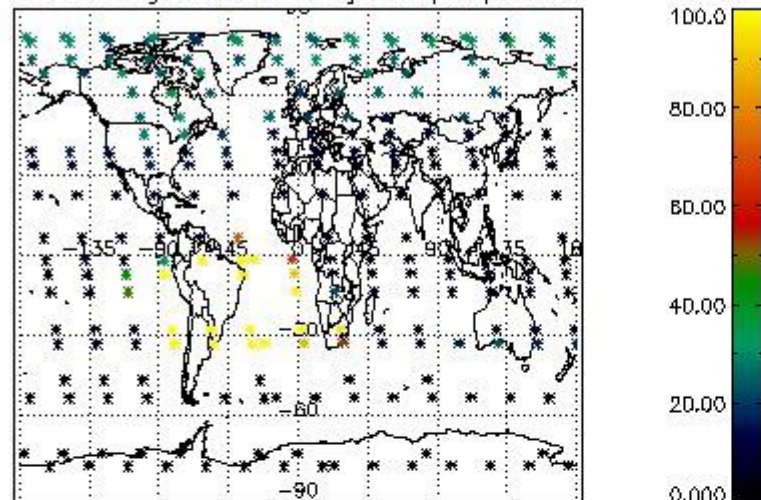
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



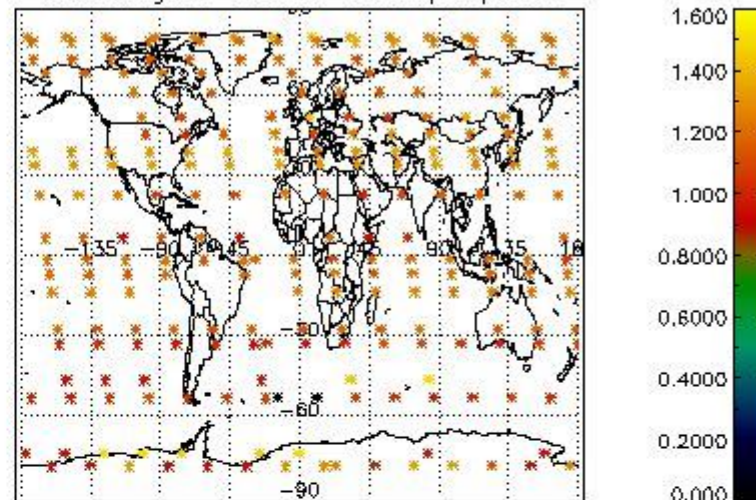
4.2 Plot quality information per product coming from level 1b processing (world map)

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

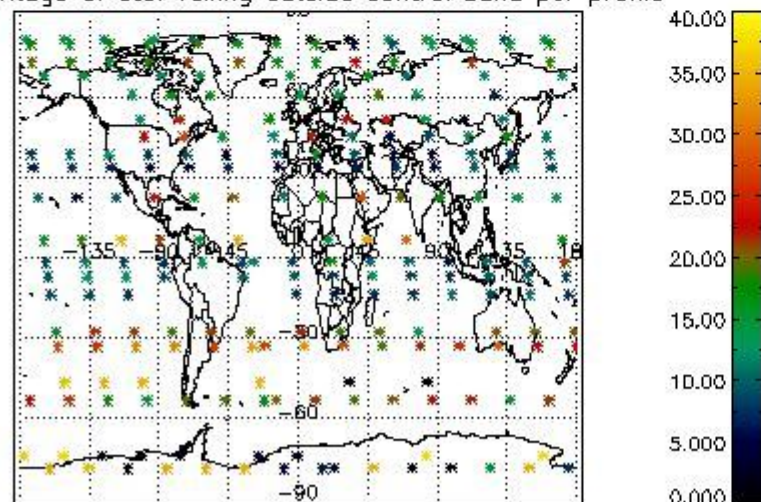
Percentage of cosmic ray hits per profile



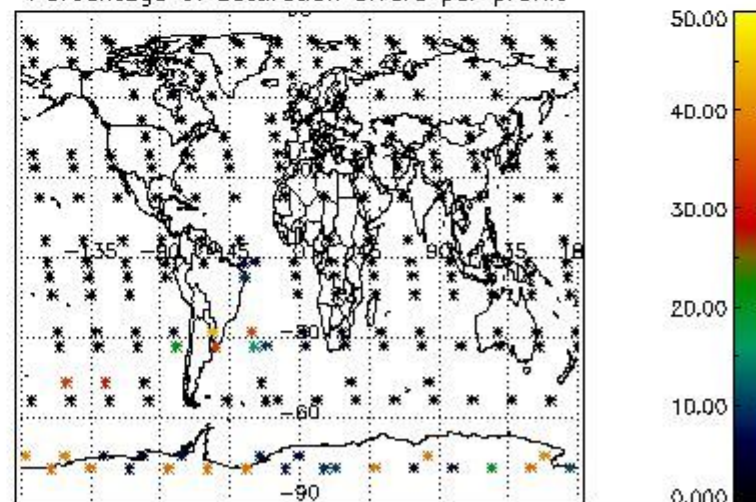
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

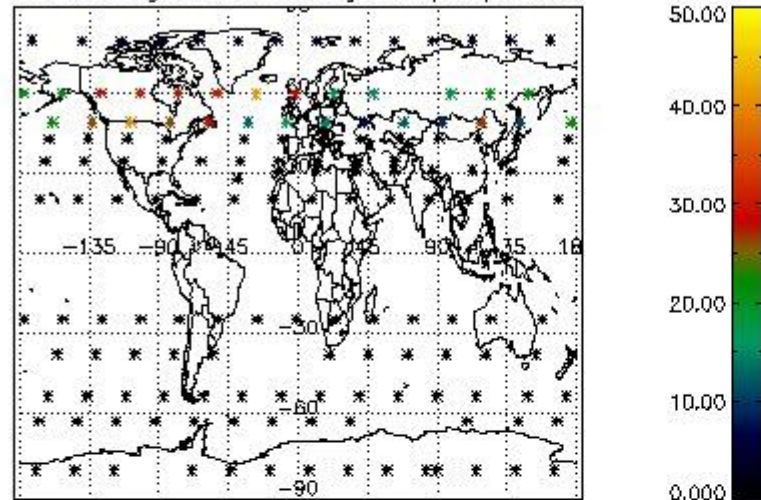


Percentage of saturation errors per profile

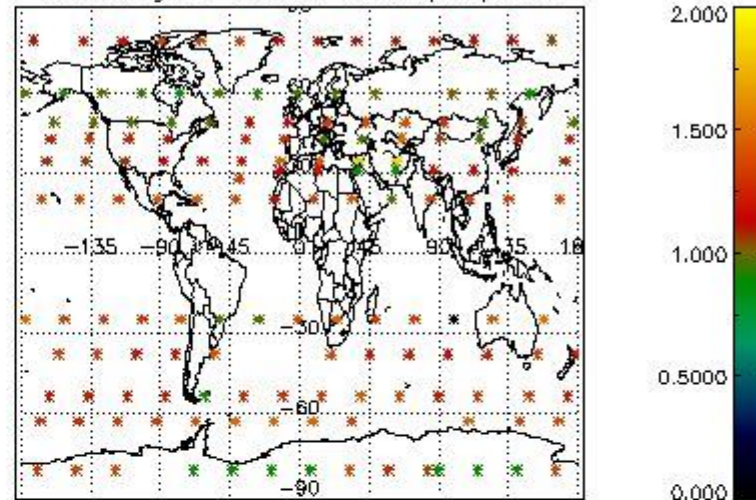


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

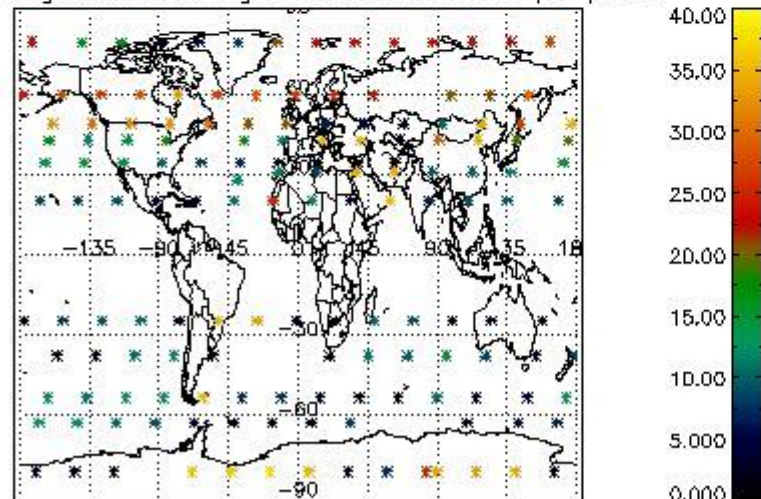
Percentage of cosmic ray hits per profile



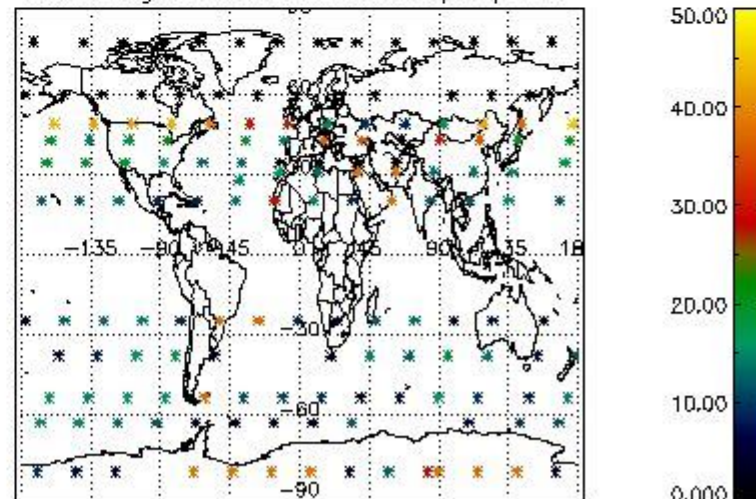
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

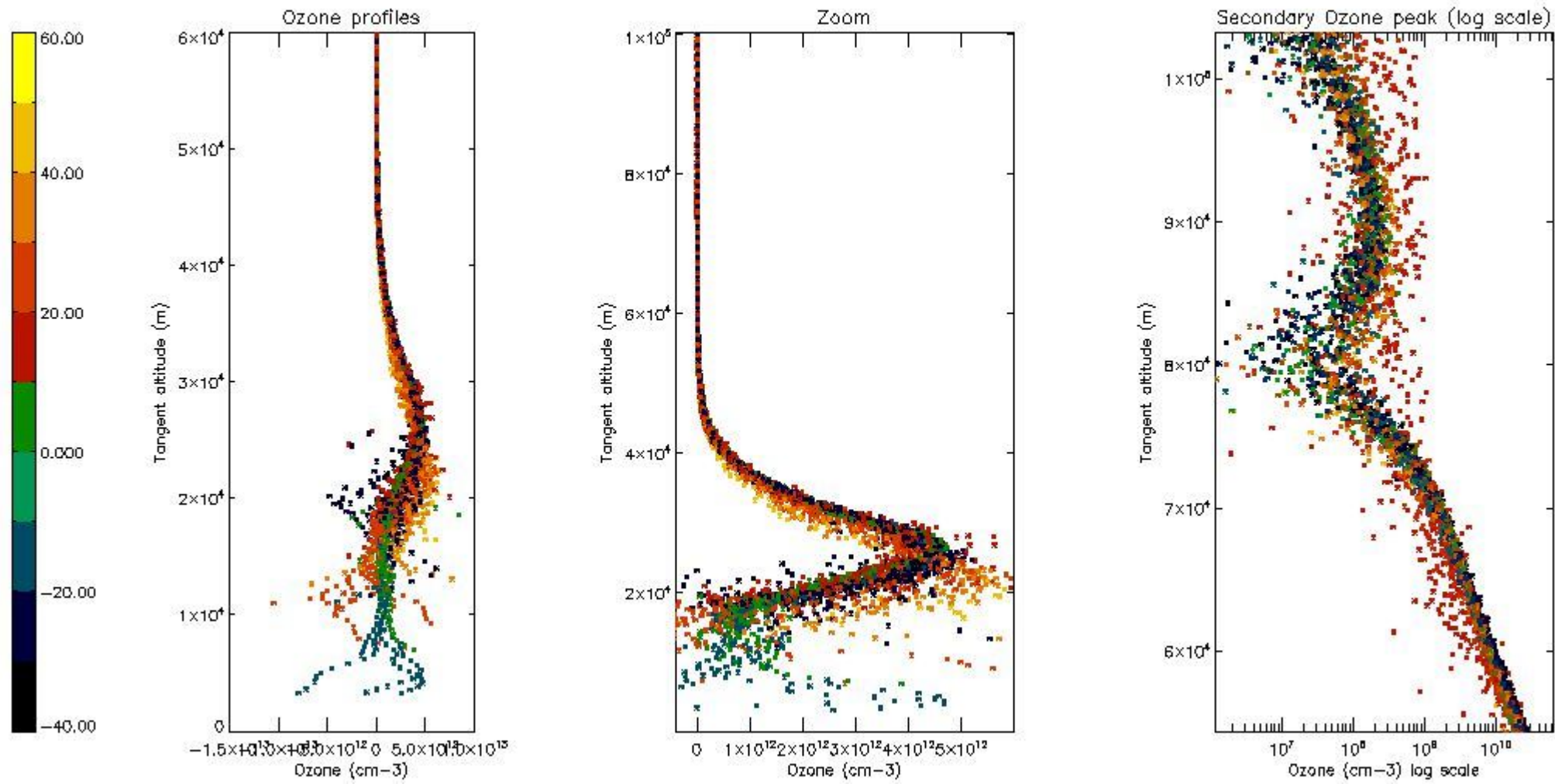
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	17

STD < 10	14
STD < 5	10

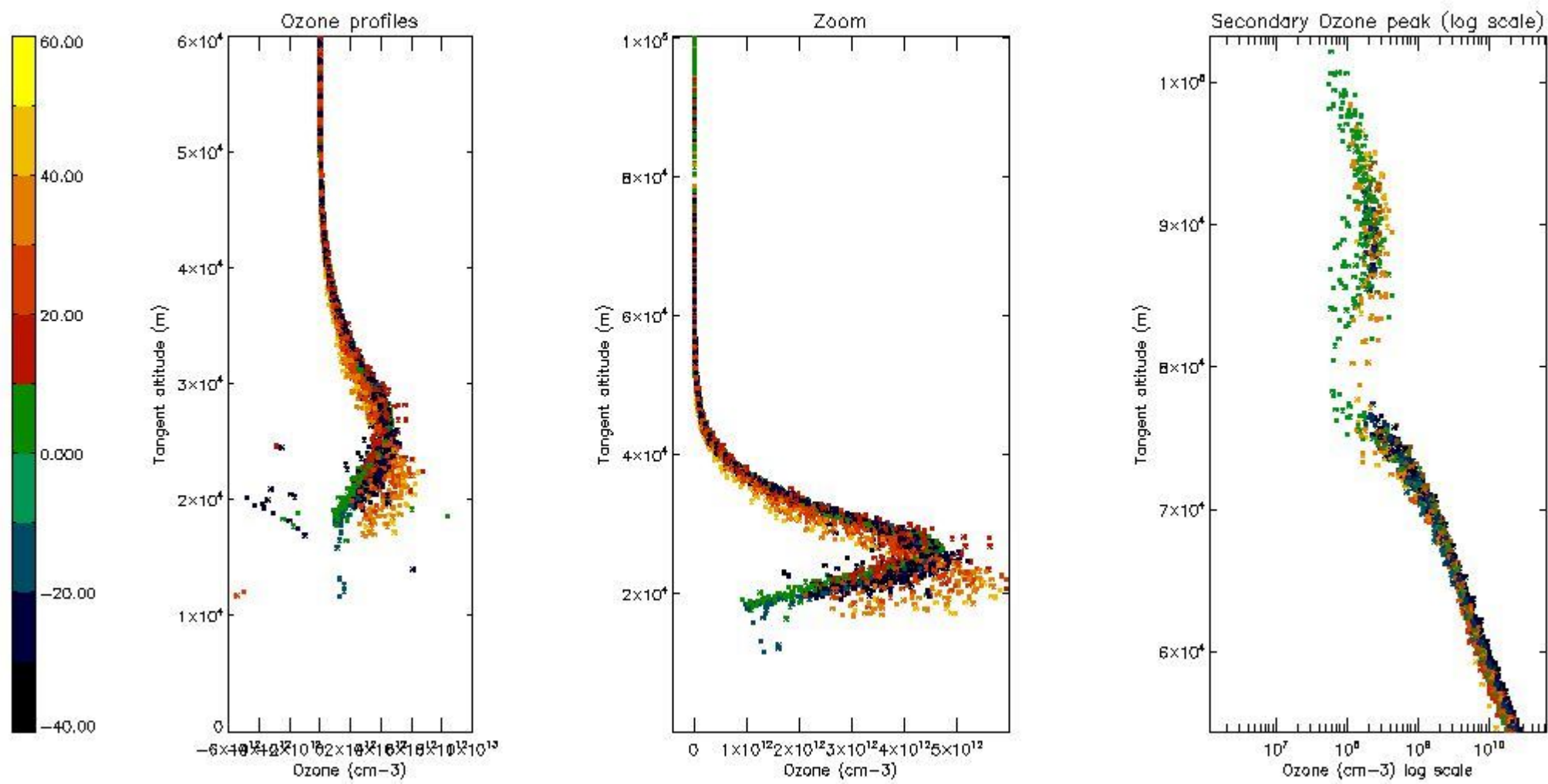
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



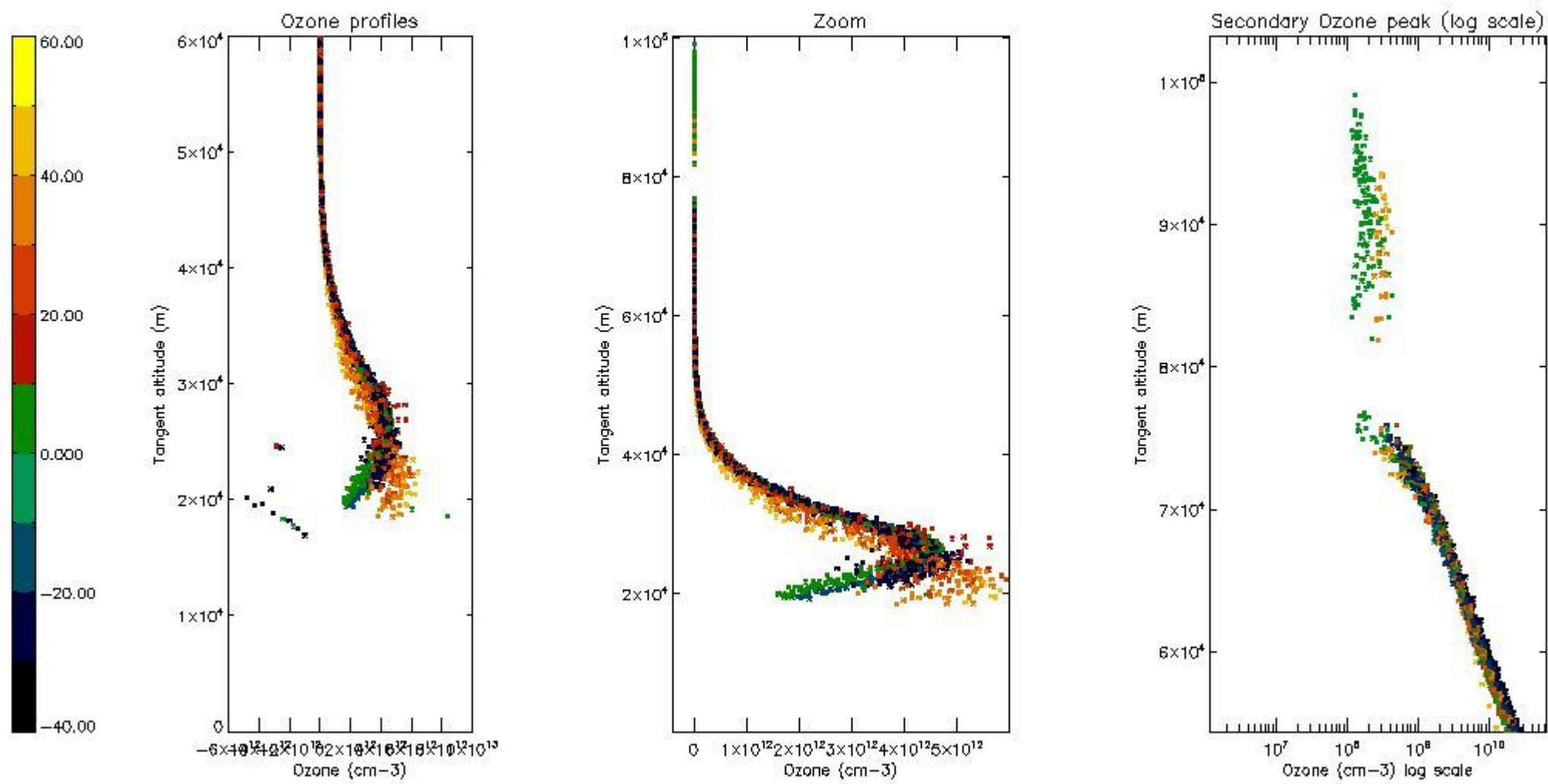
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



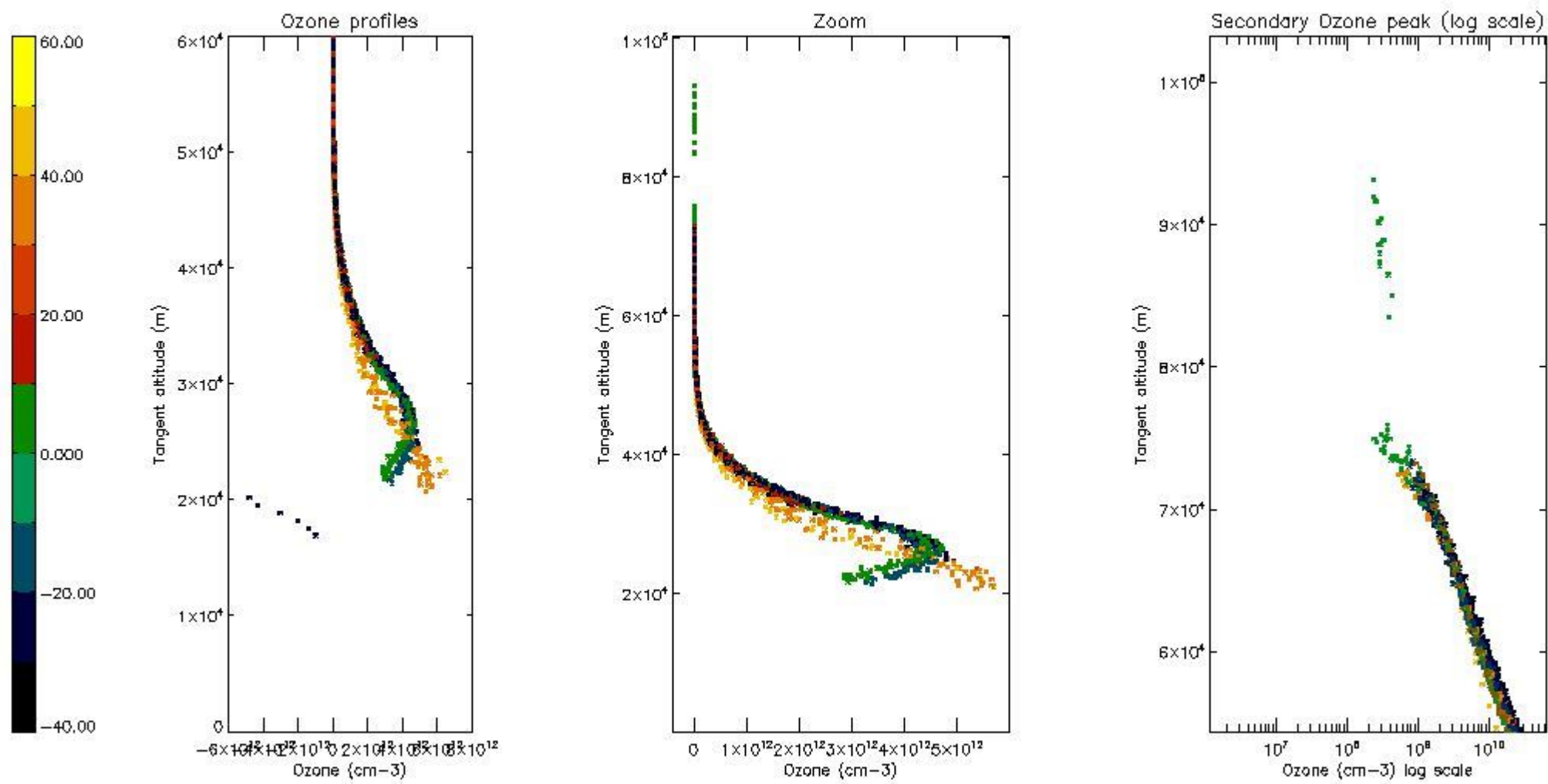
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



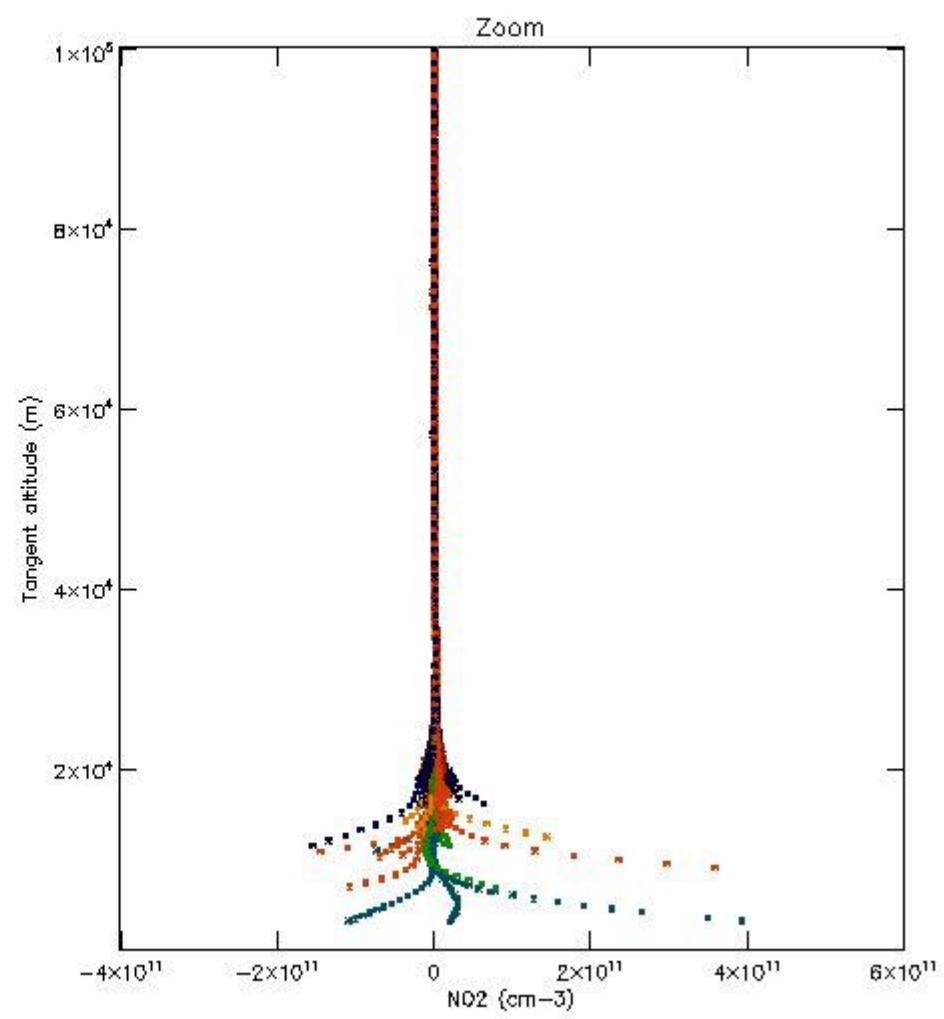
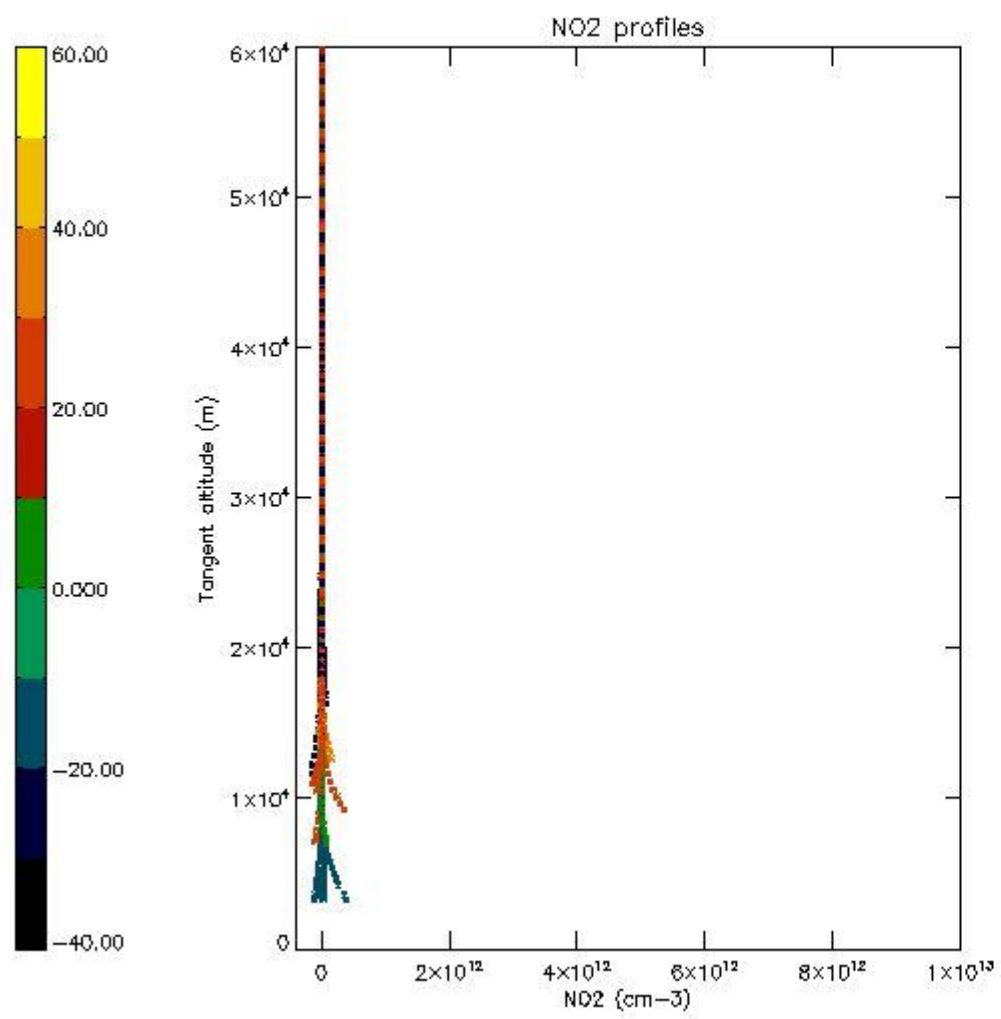
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



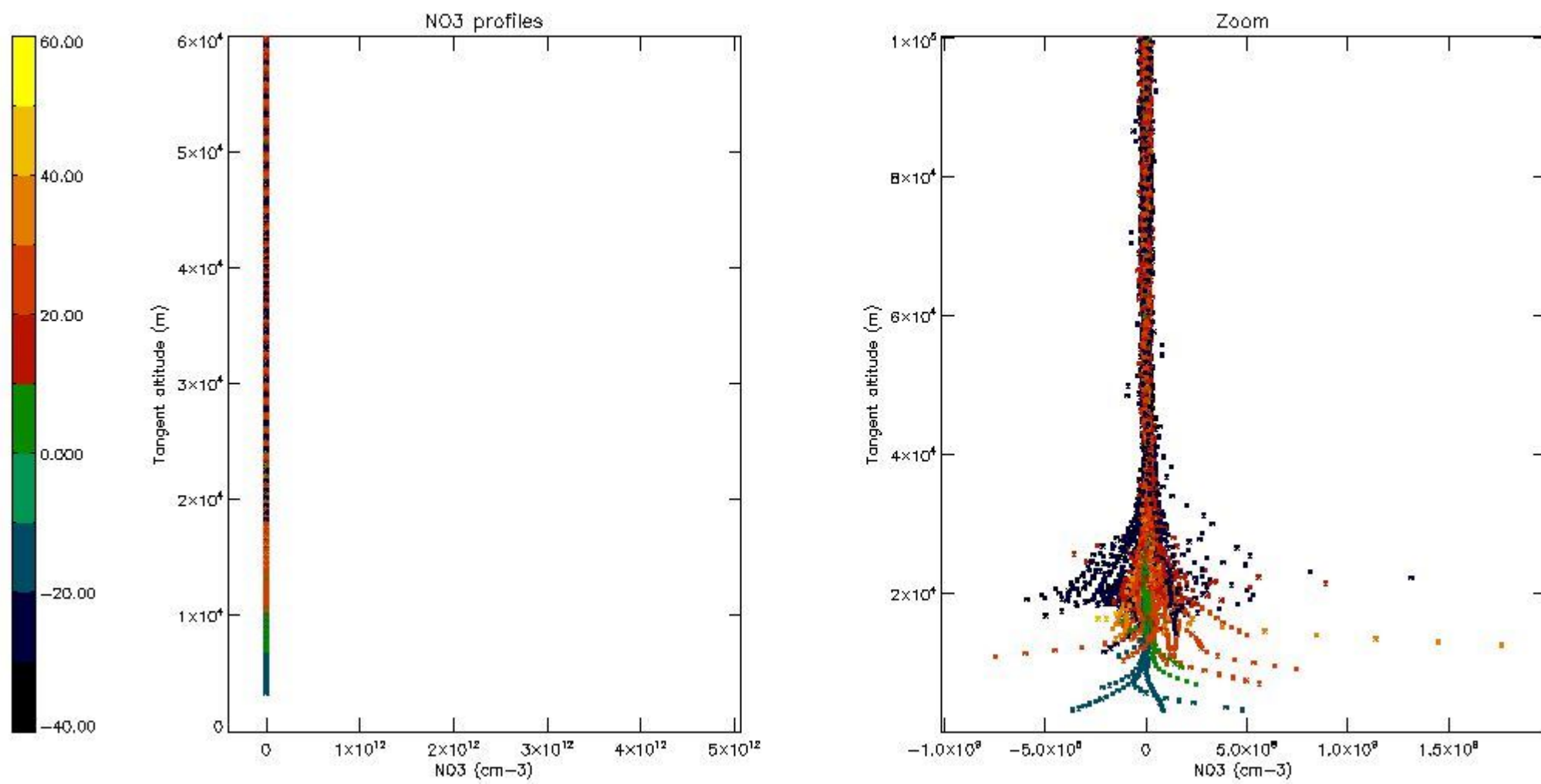
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



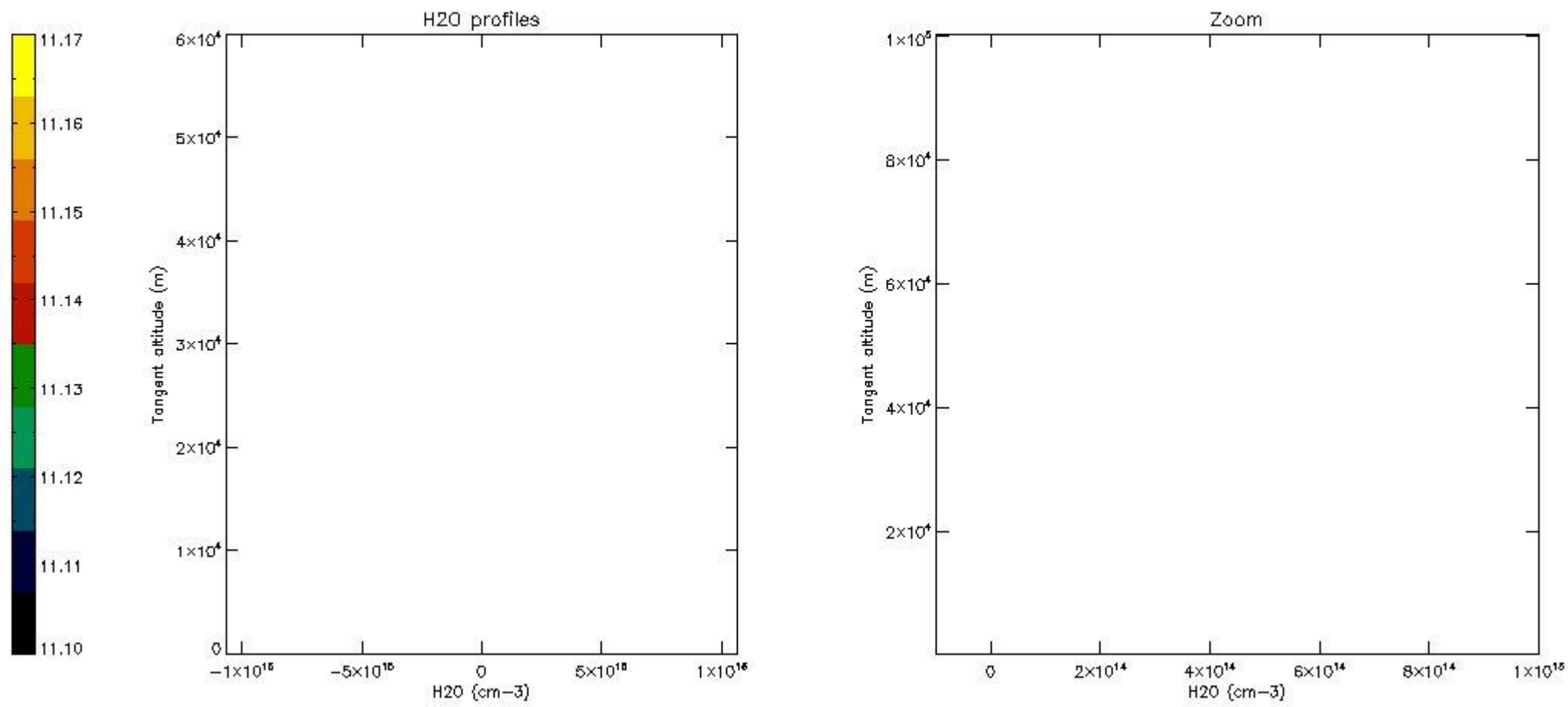
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

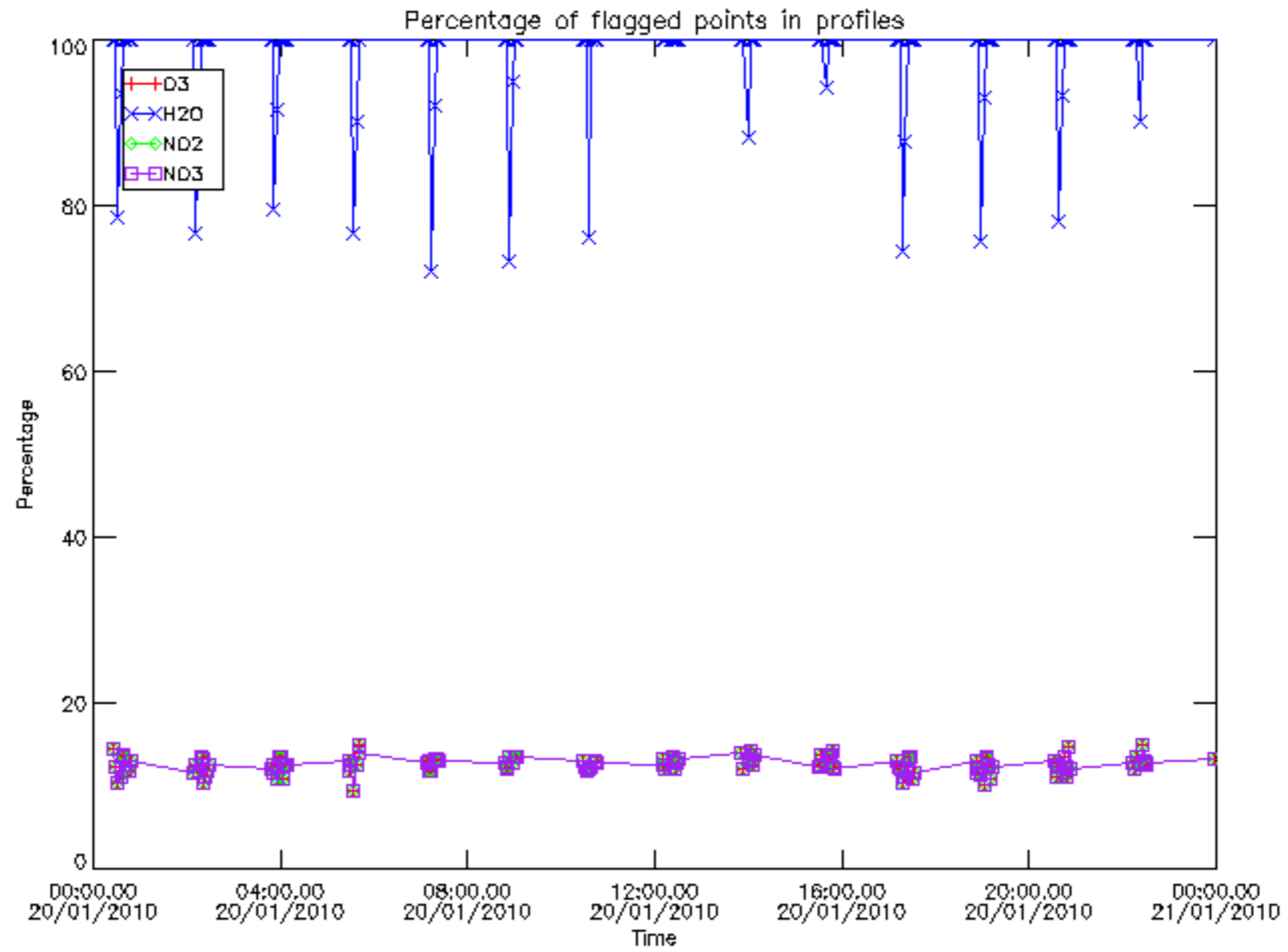
The colorbar represents the latitude.



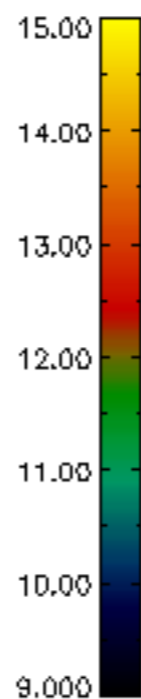
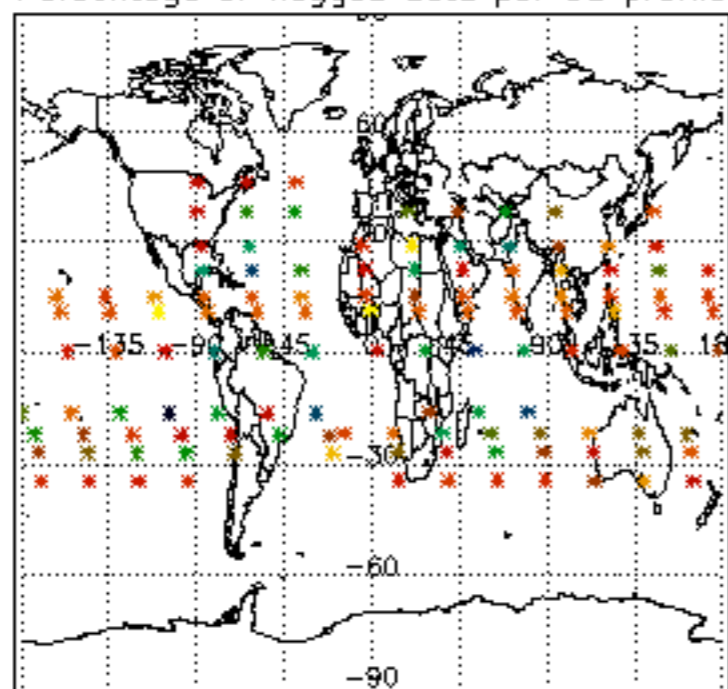
6. Auxiliary Data Files used for the production reported in section 2

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

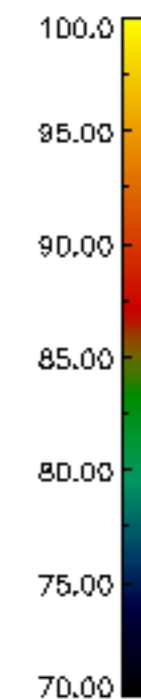
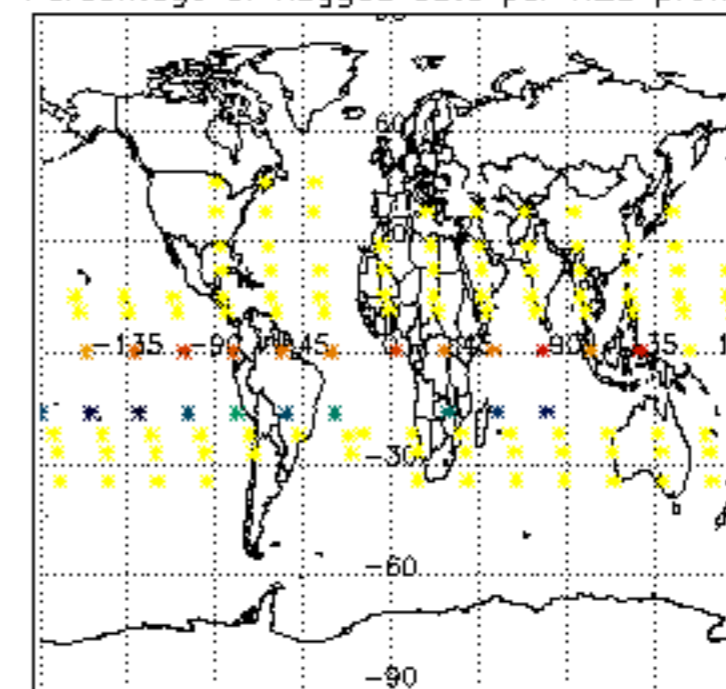
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-JAN-2010 00:02:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-JAN-2010 00:02:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-JAN-2010 00:02:38



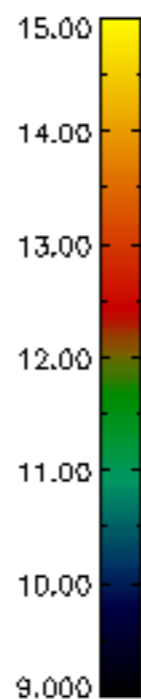
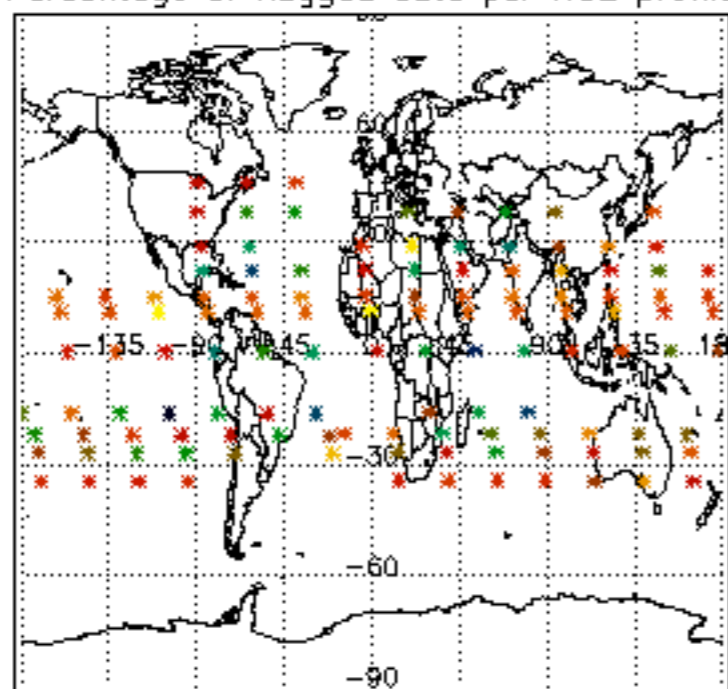
Percentage of flagged data per D3 profile



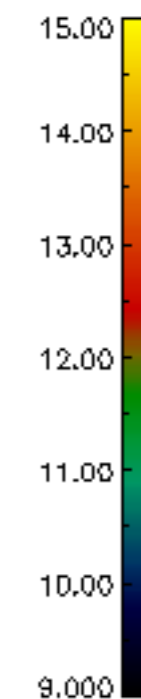
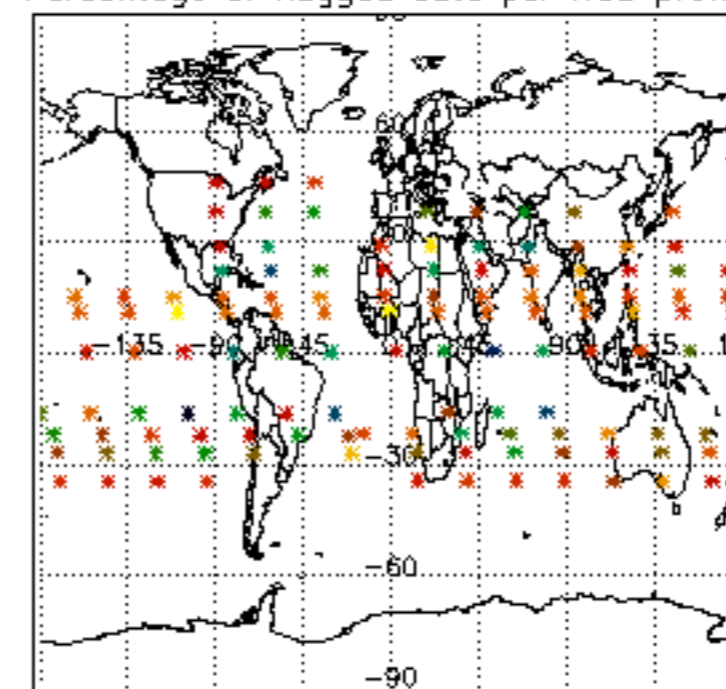
Percentage of flagged data per H2O profile

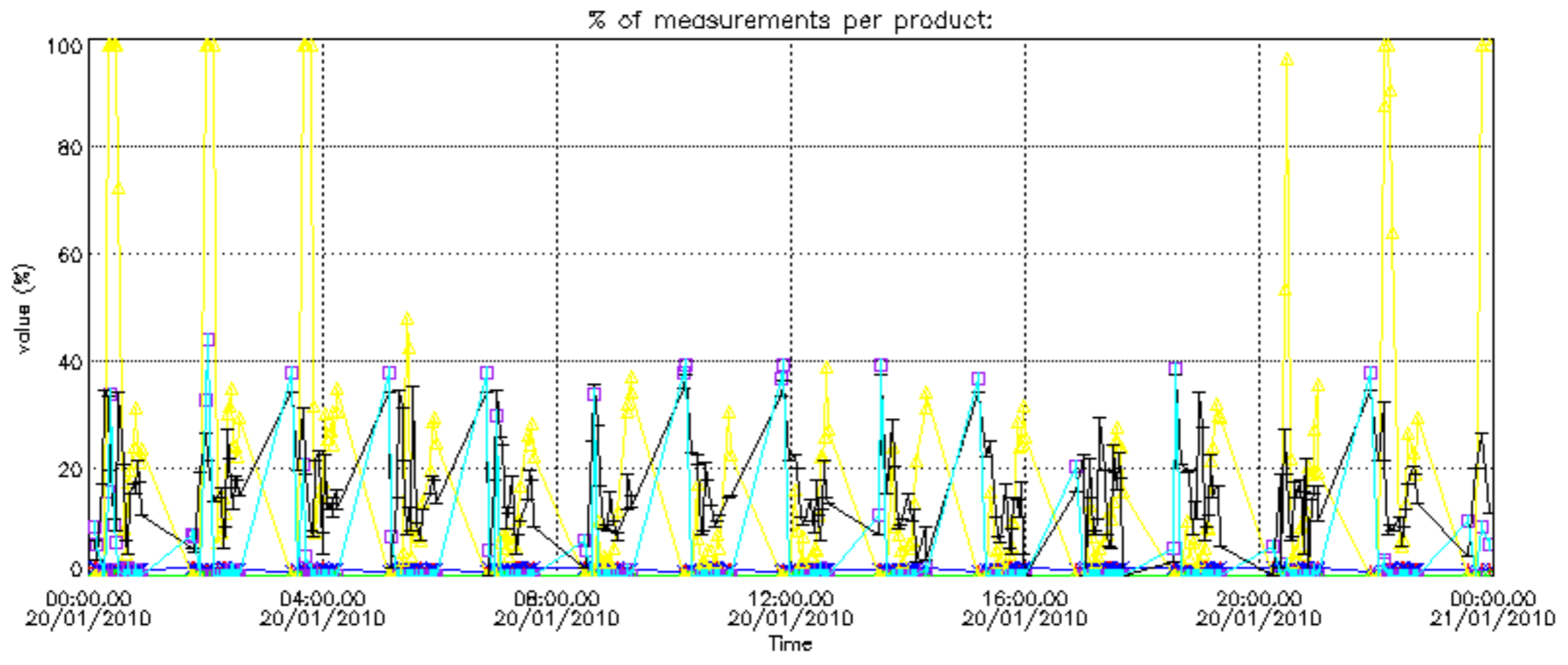


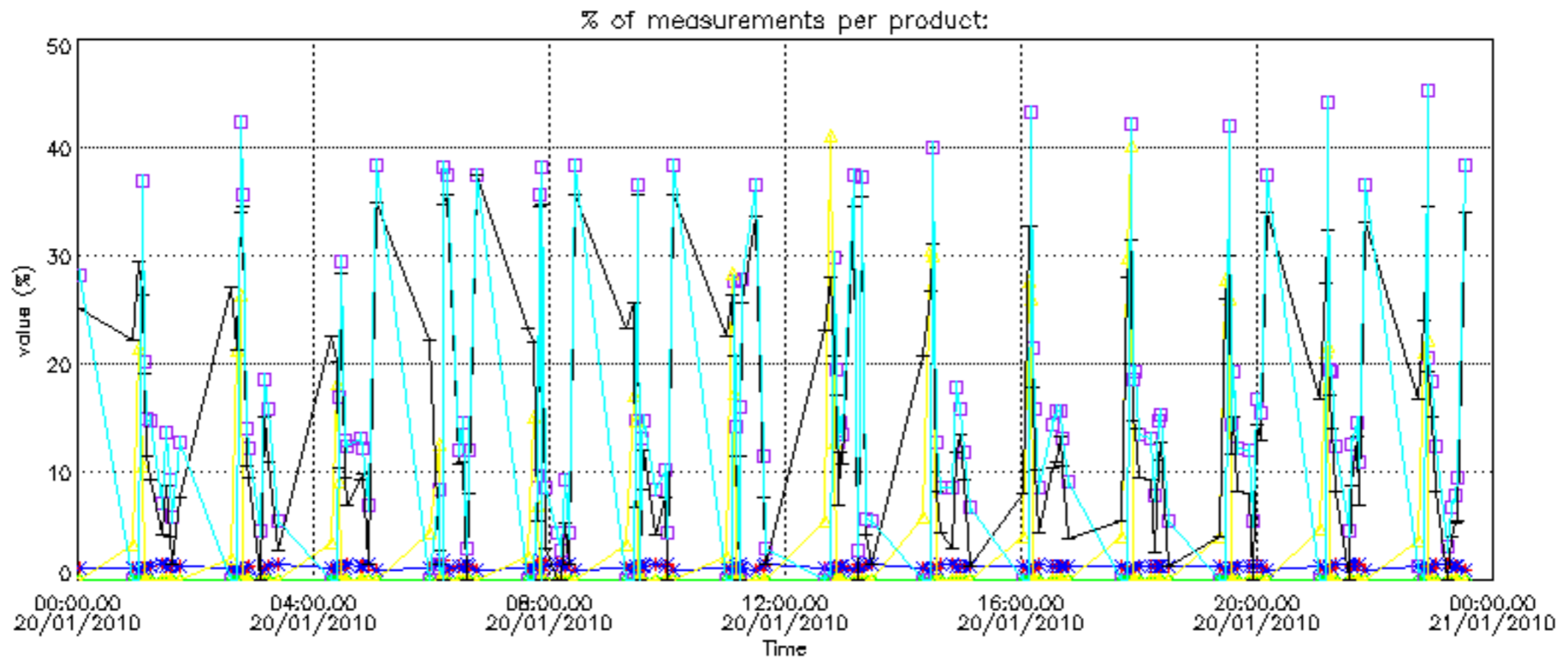
Percentage of flagged data per NO2 profile



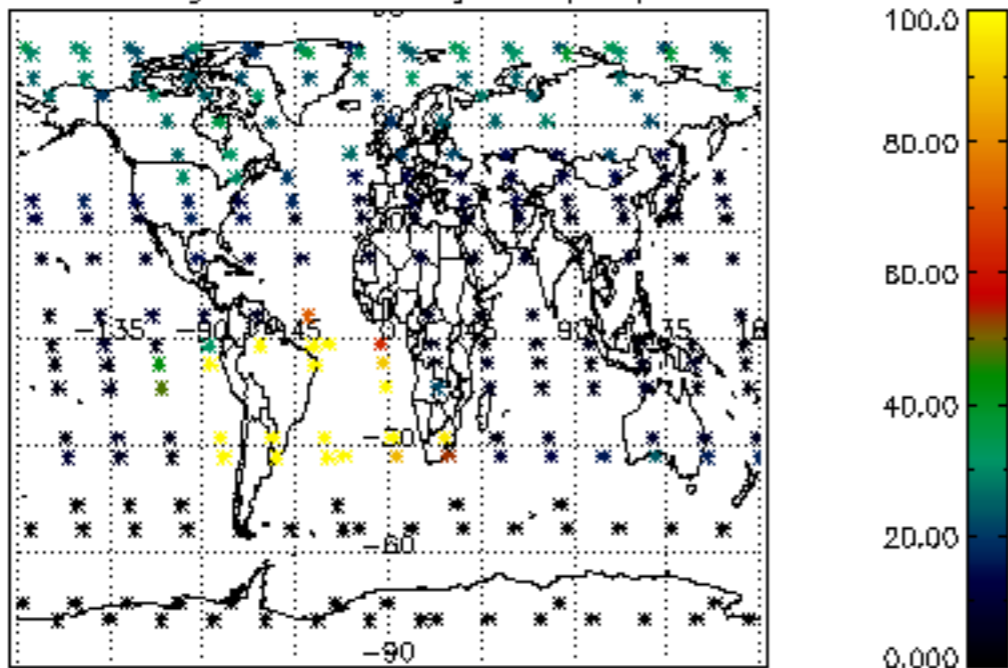
Percentage of flagged data per NO3 profile



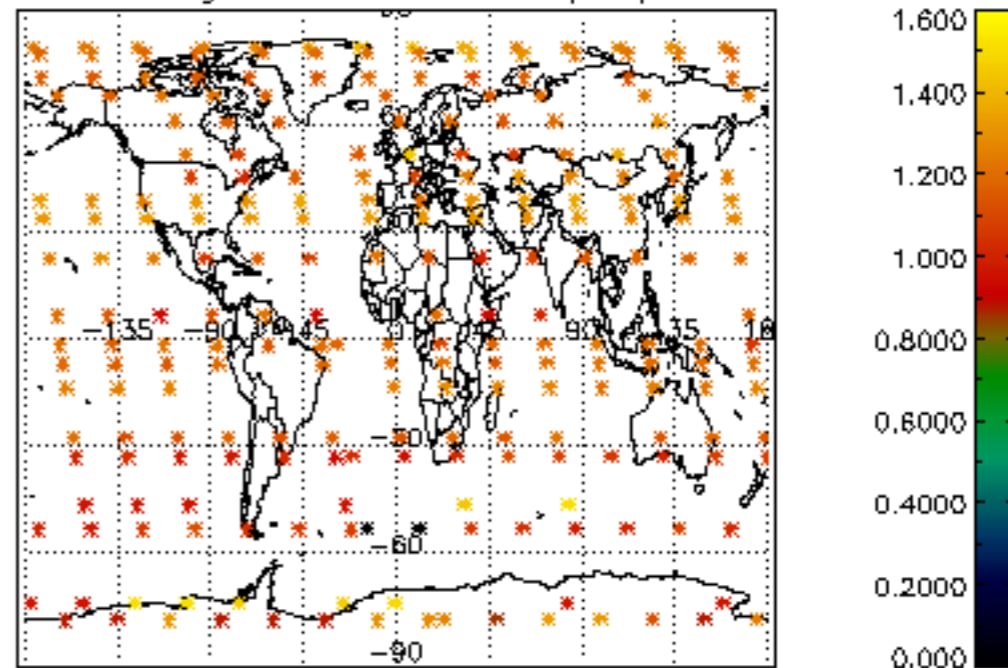




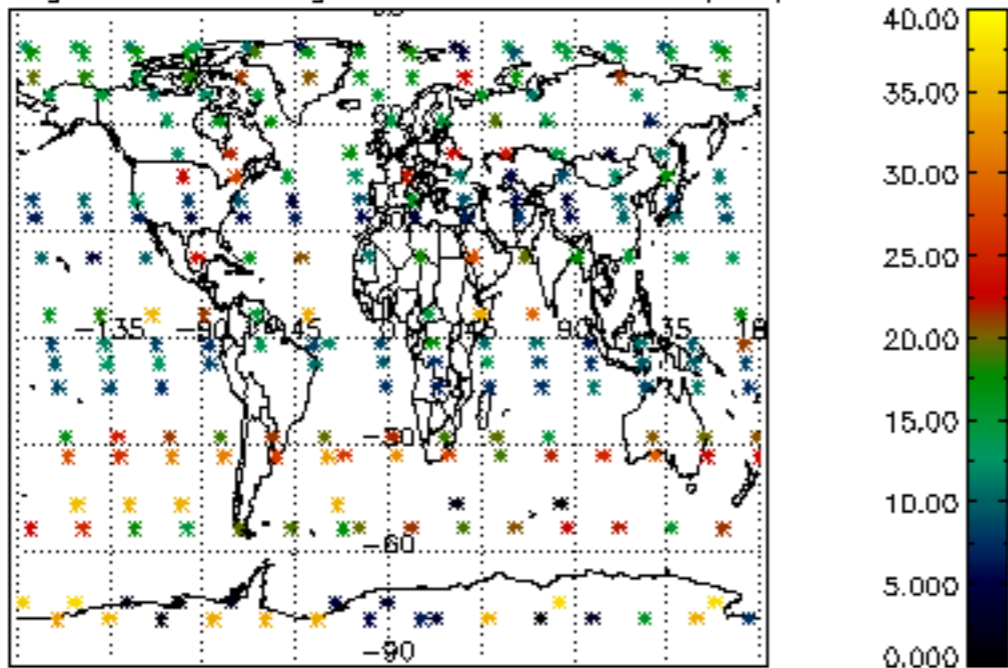
Percentage of cosmic ray hits per profile



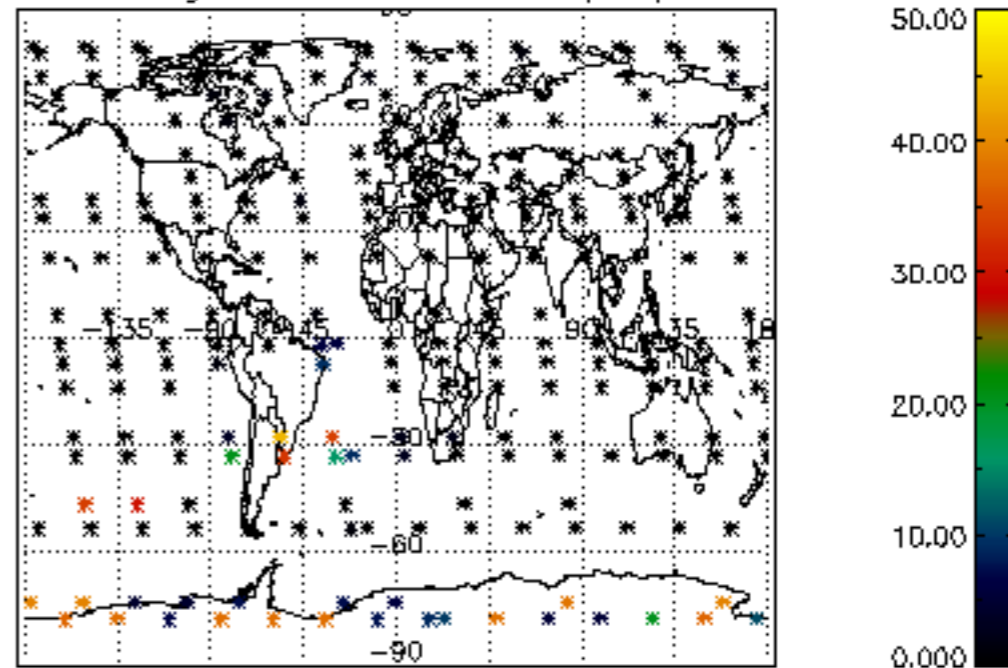
Percentage of datation errors per profile



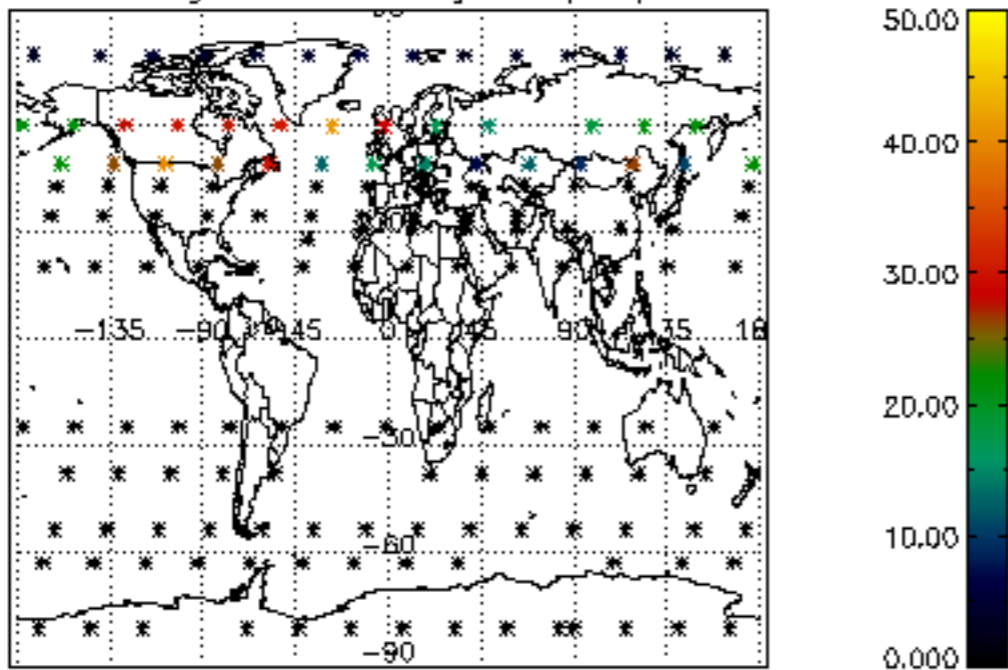
Percentage of star falling outside central band per profile



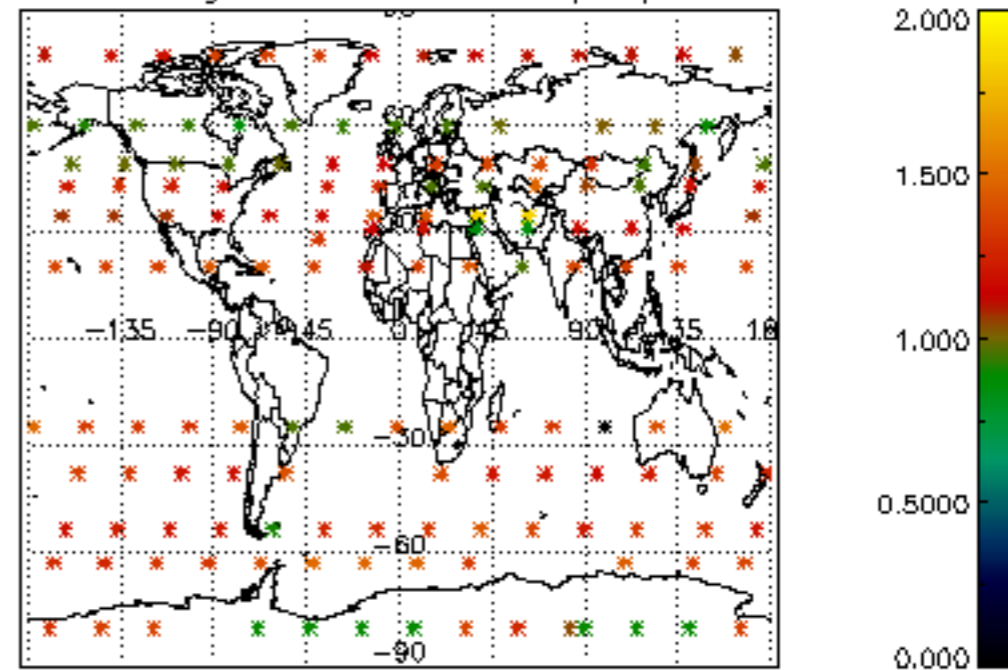
Percentage of saturation errors per profile



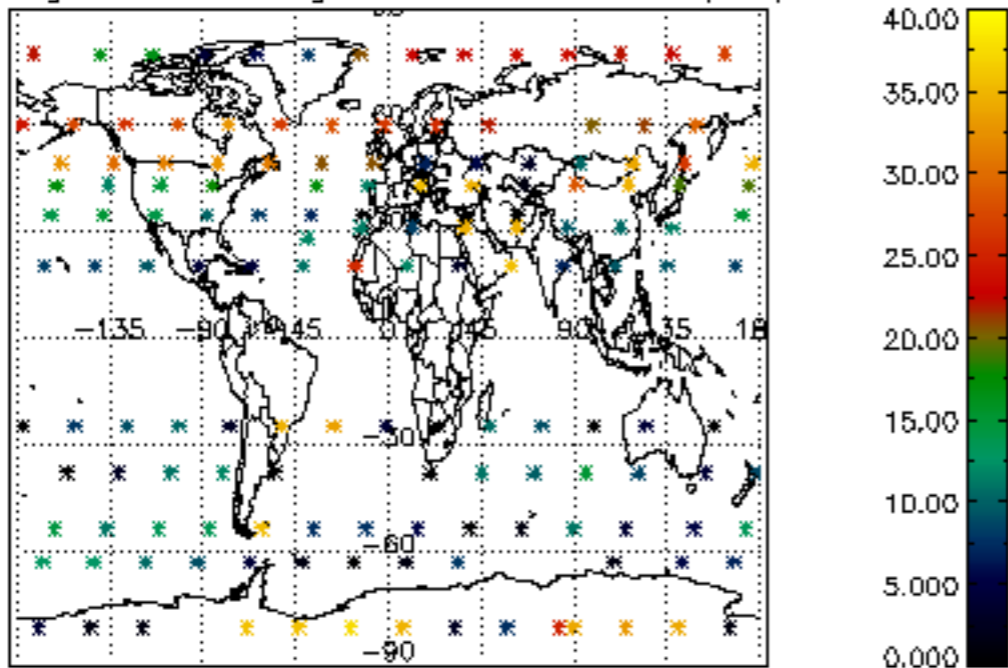
Percentage of cosmic ray hits per profile



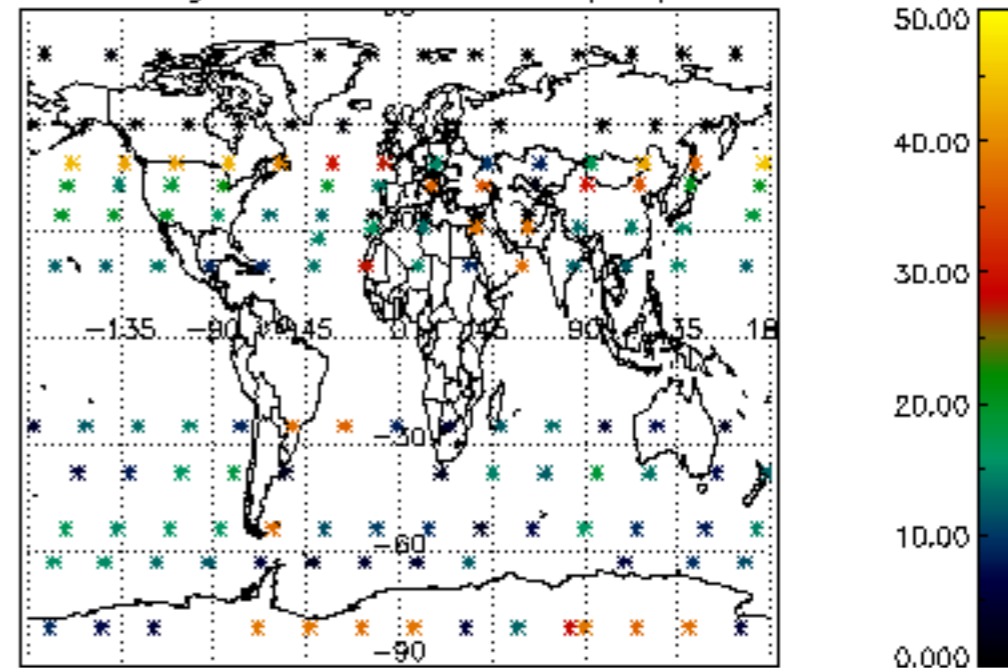
Percentage of datation errors per profile

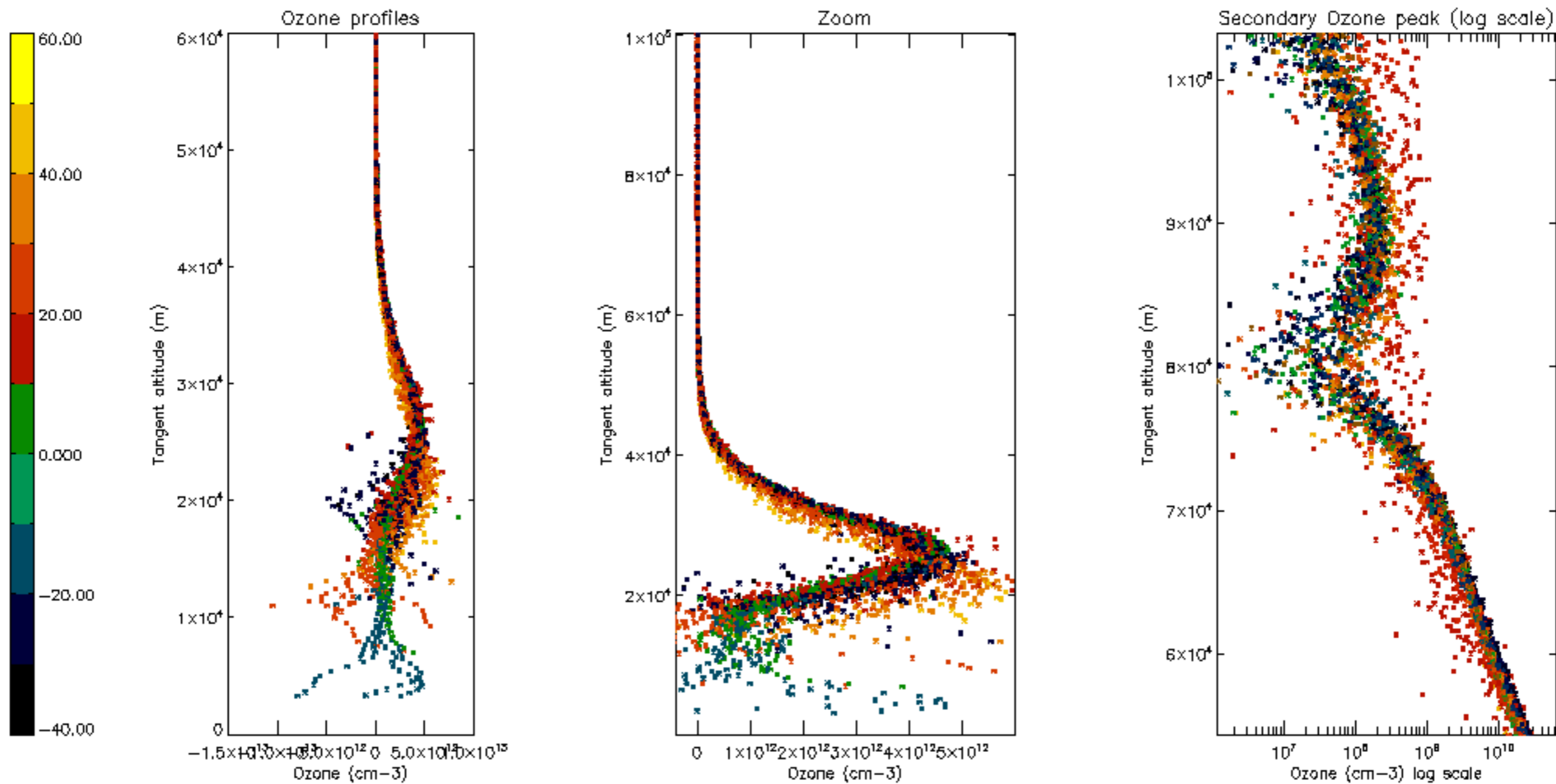


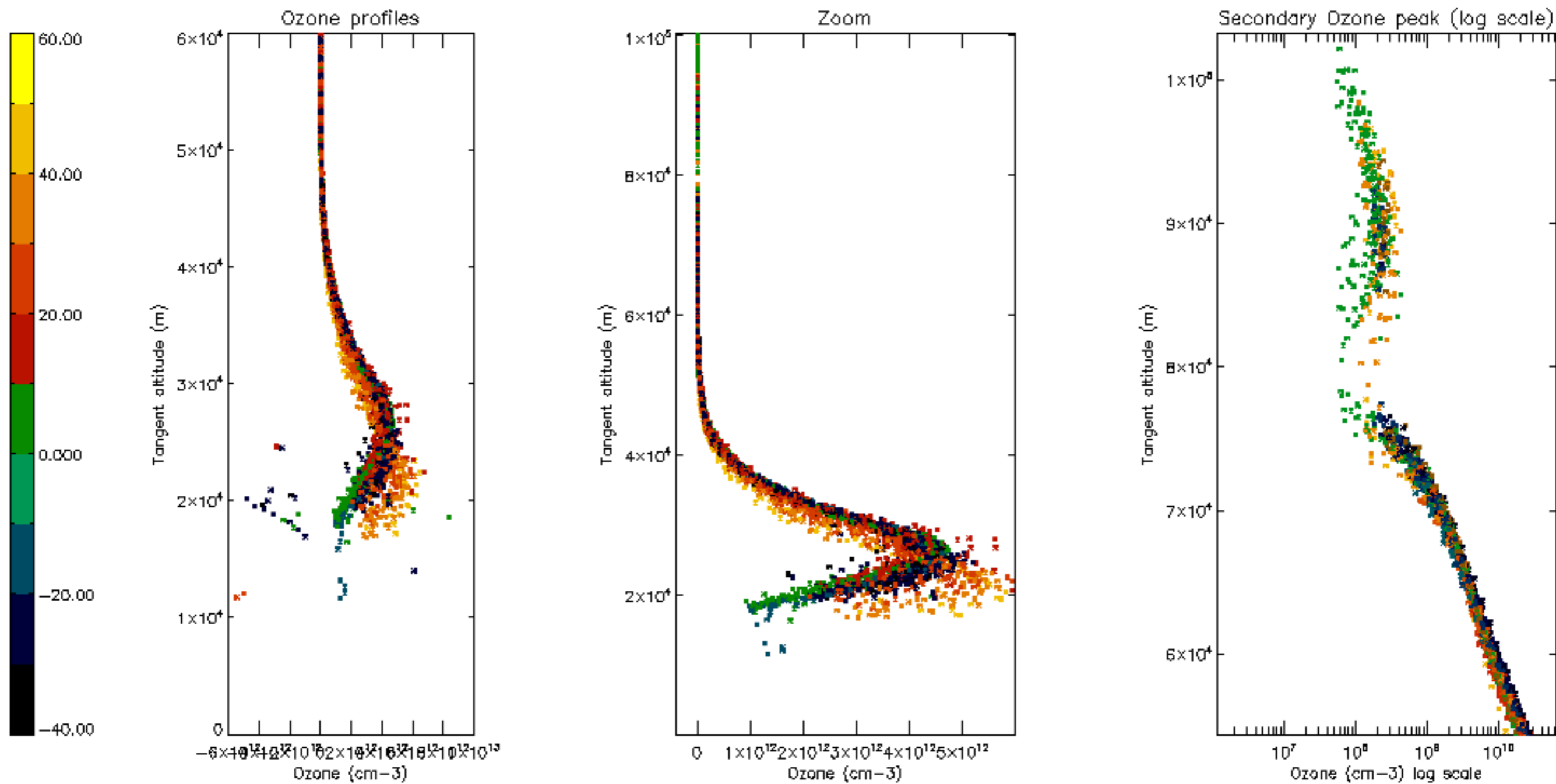
Percentage of star falling outside central band per profile

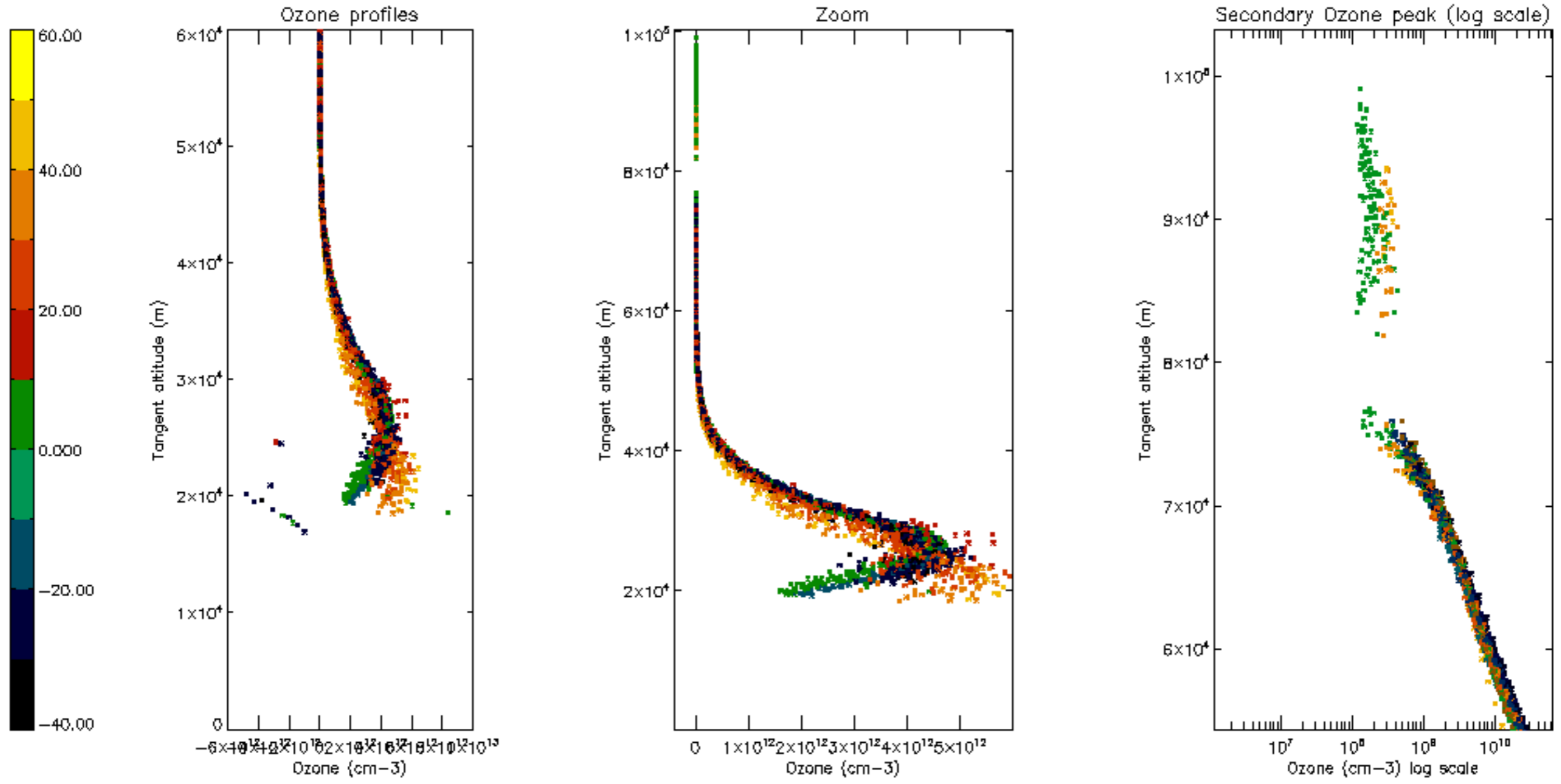


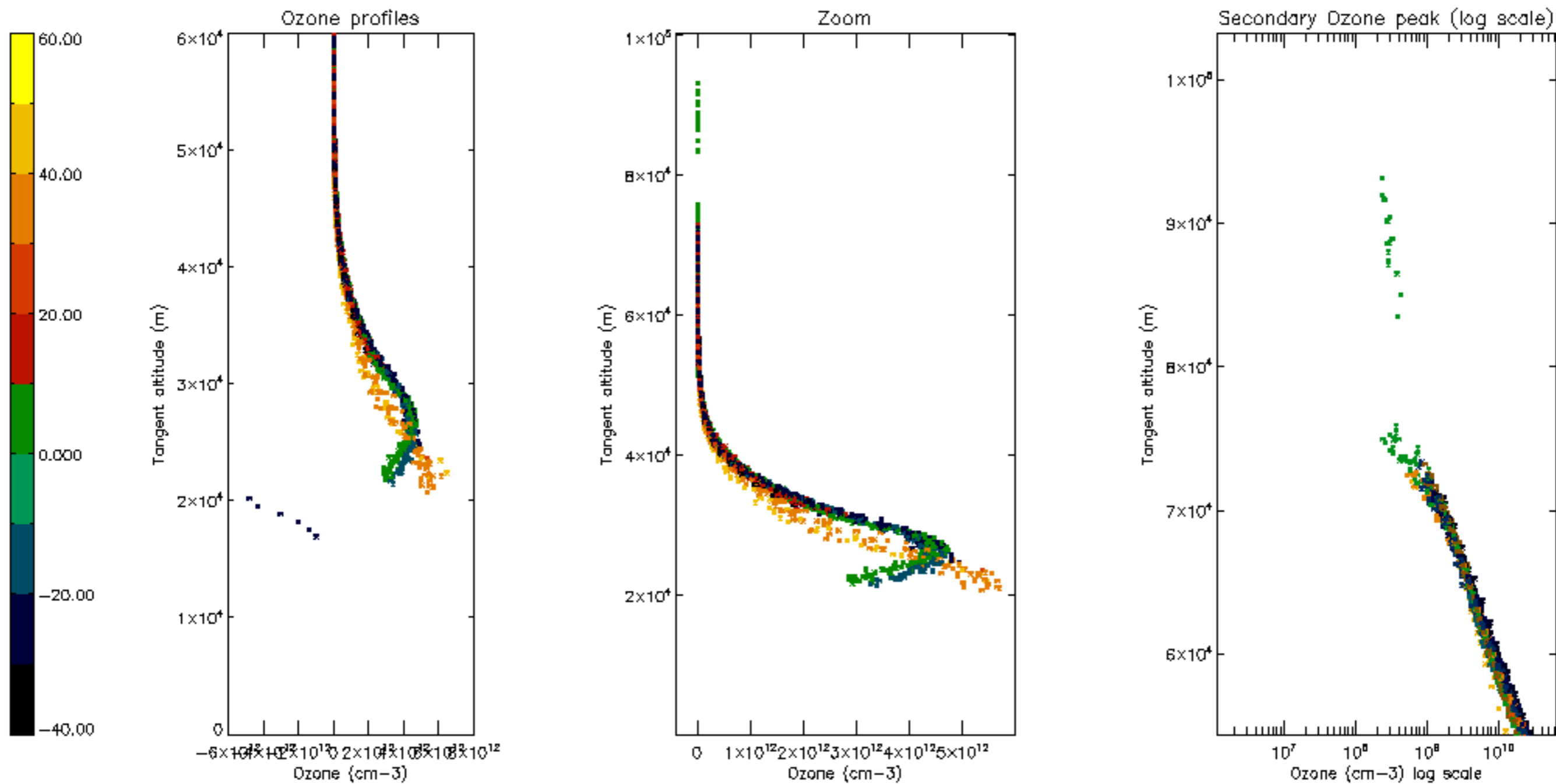
Percentage of saturation errors per profile

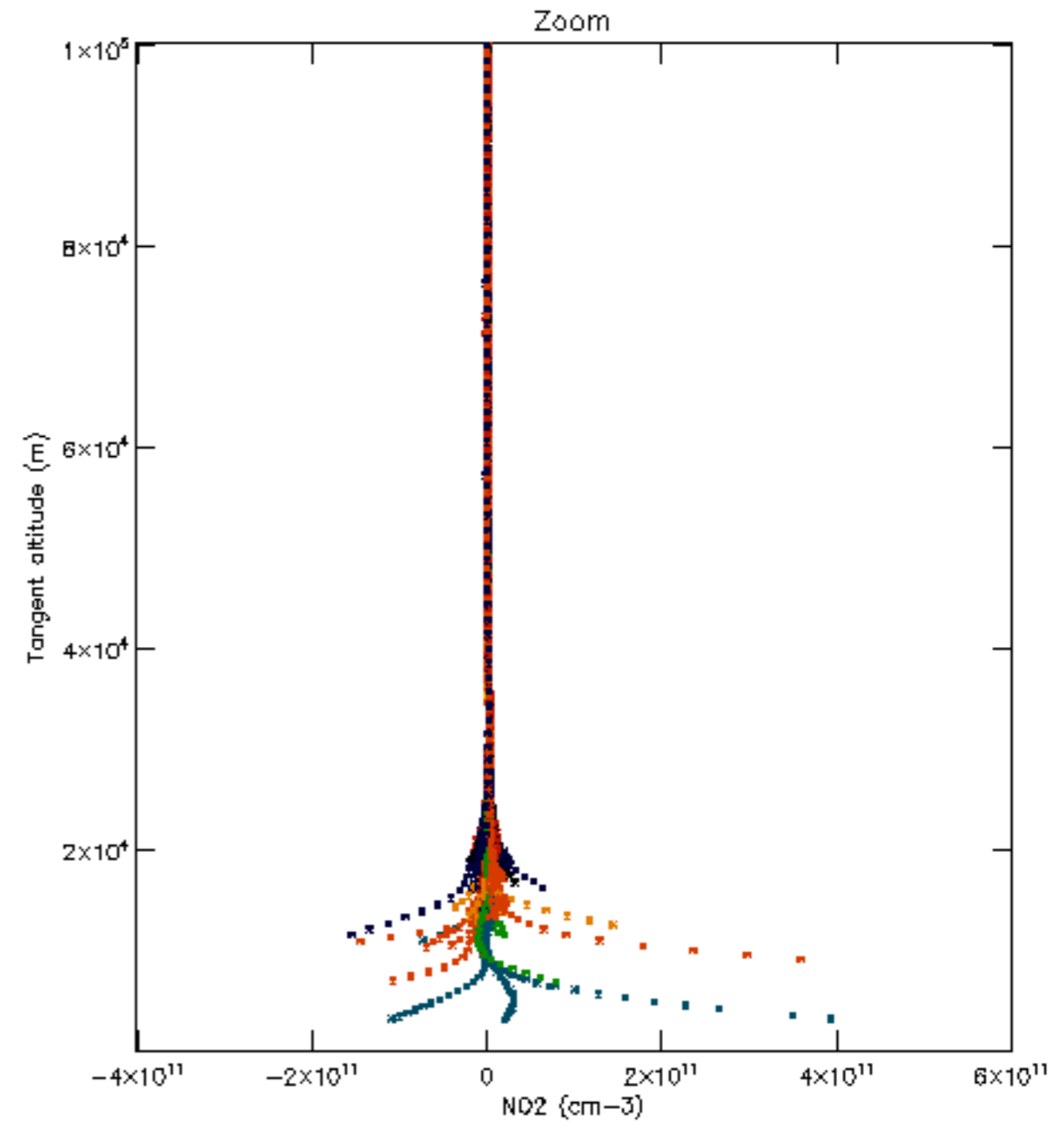
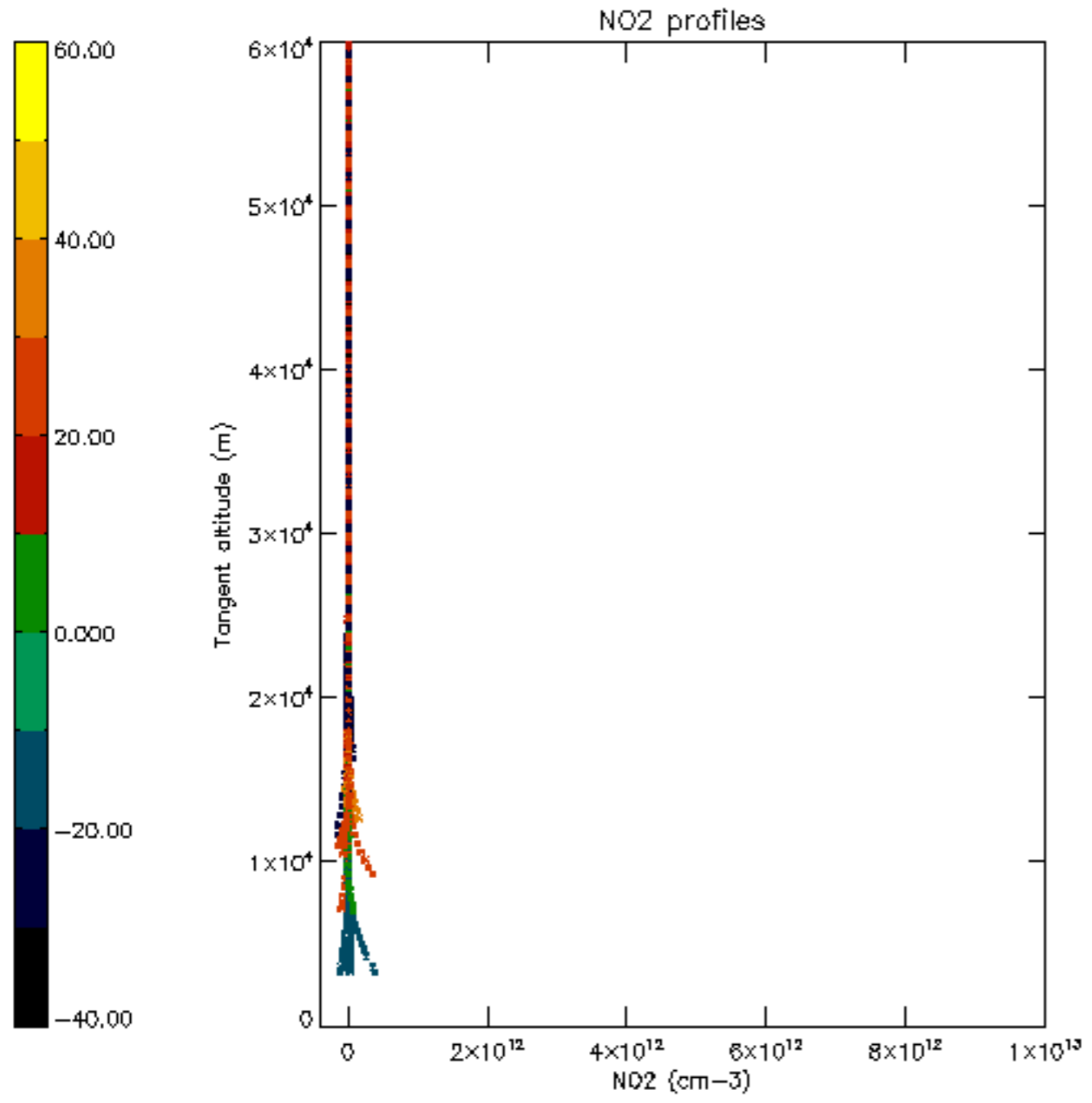


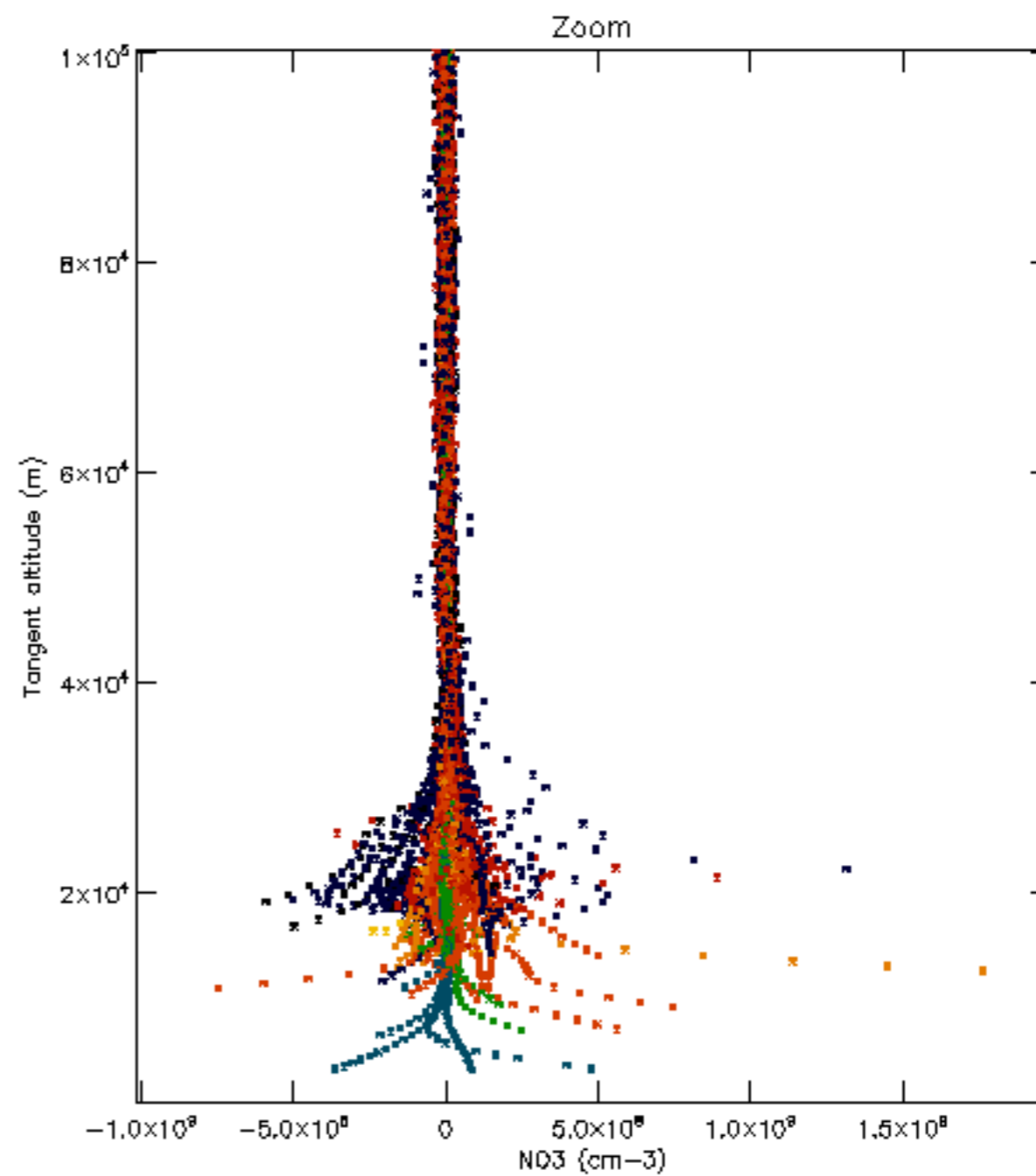
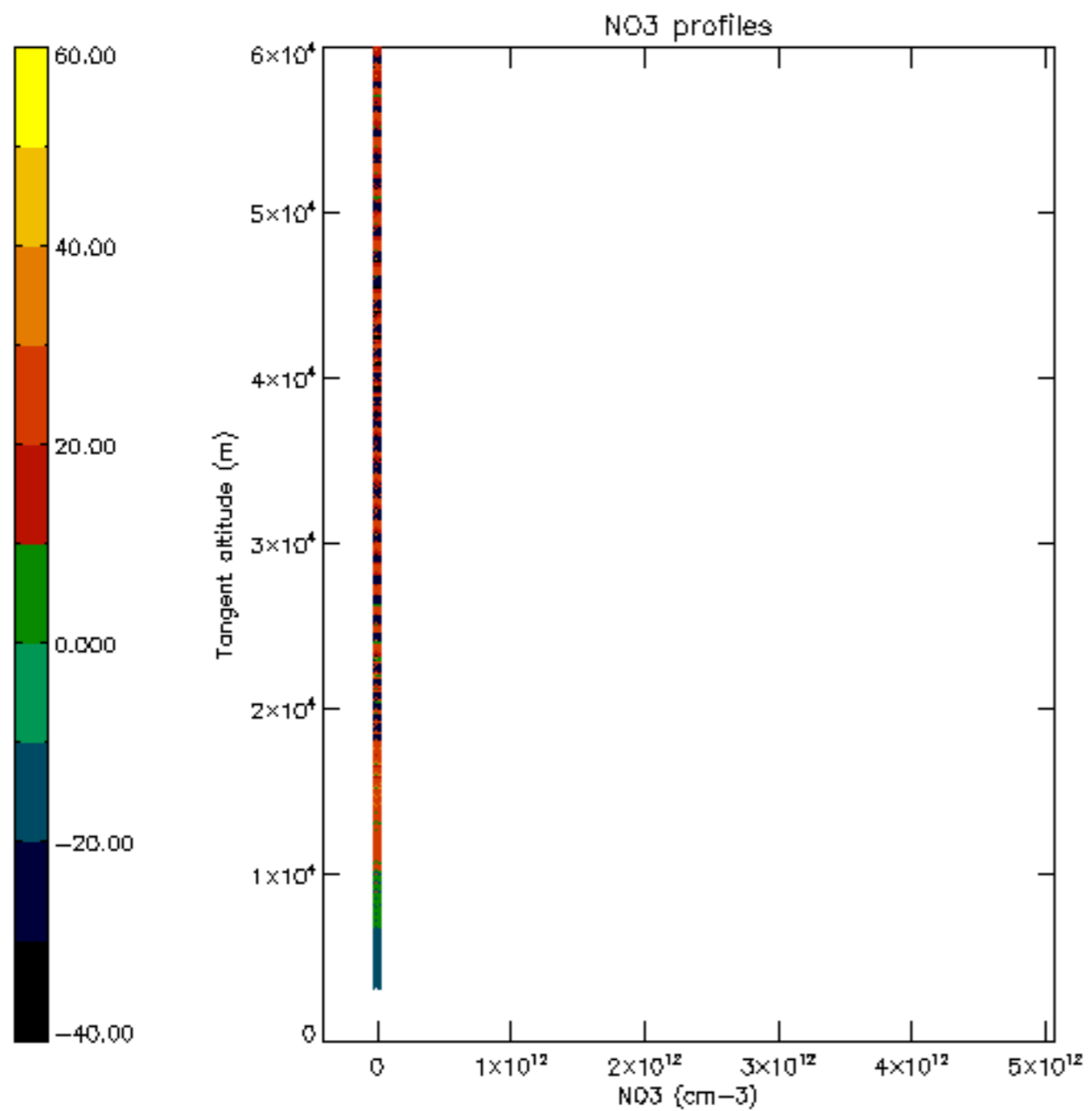


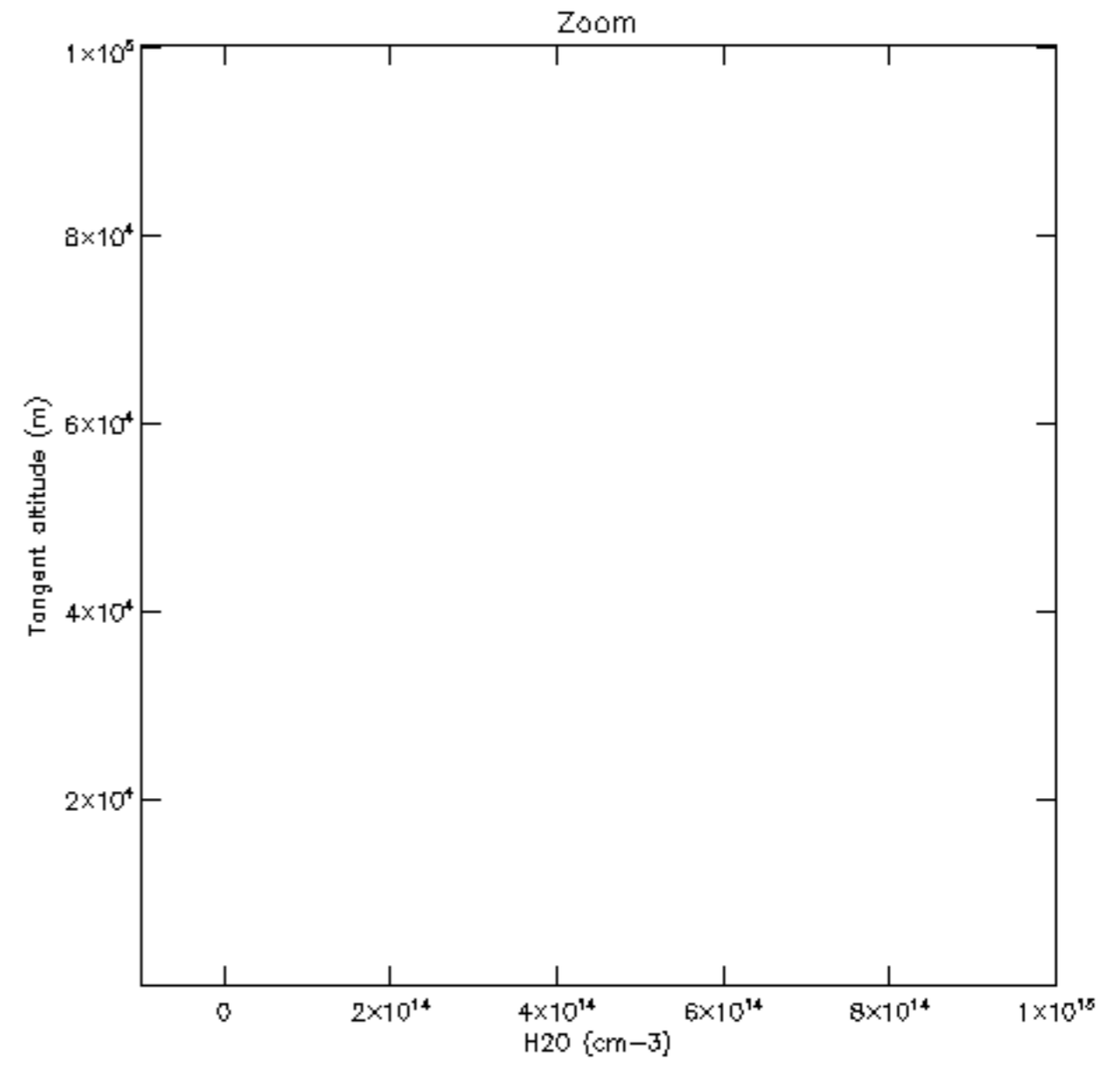
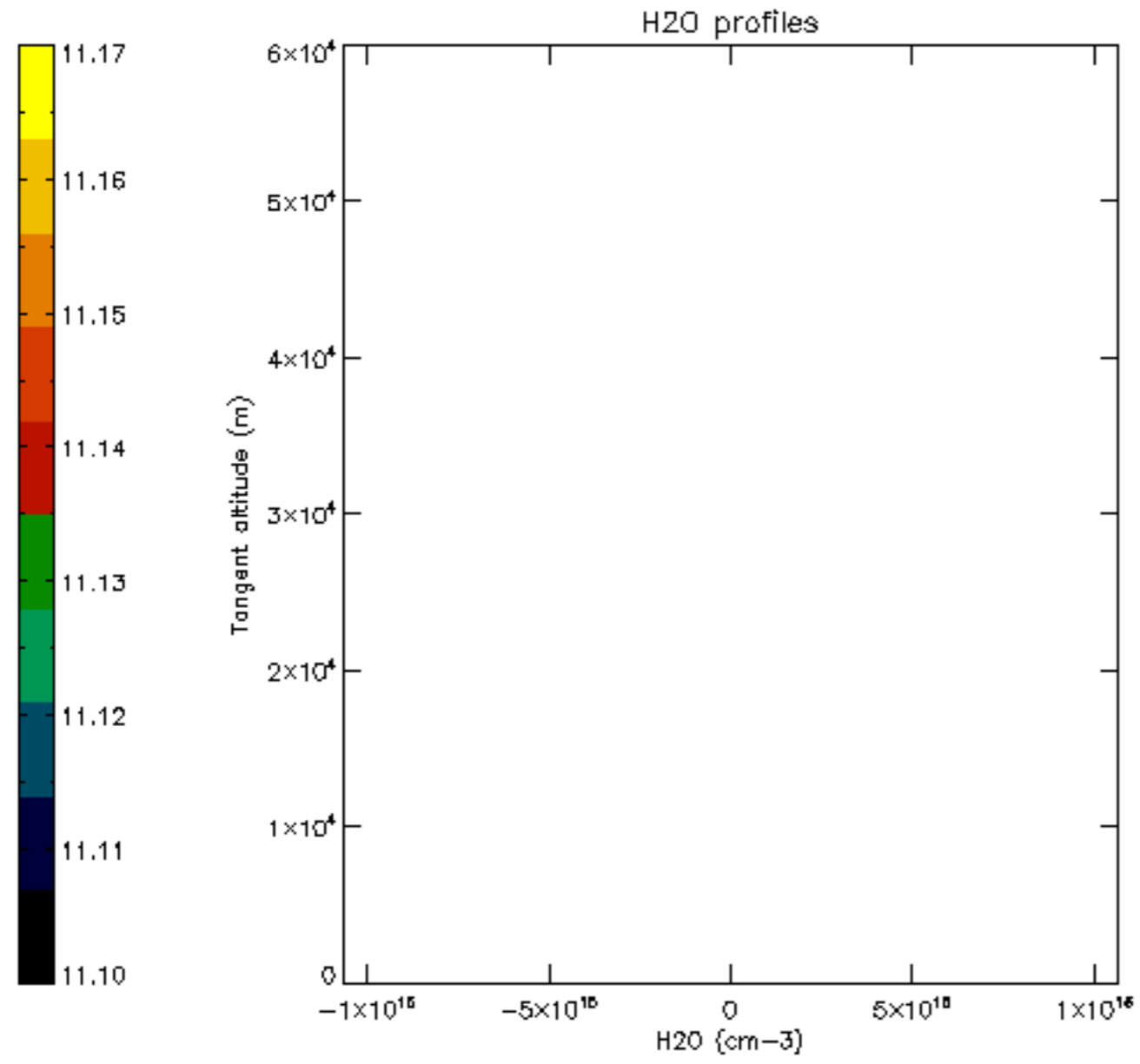


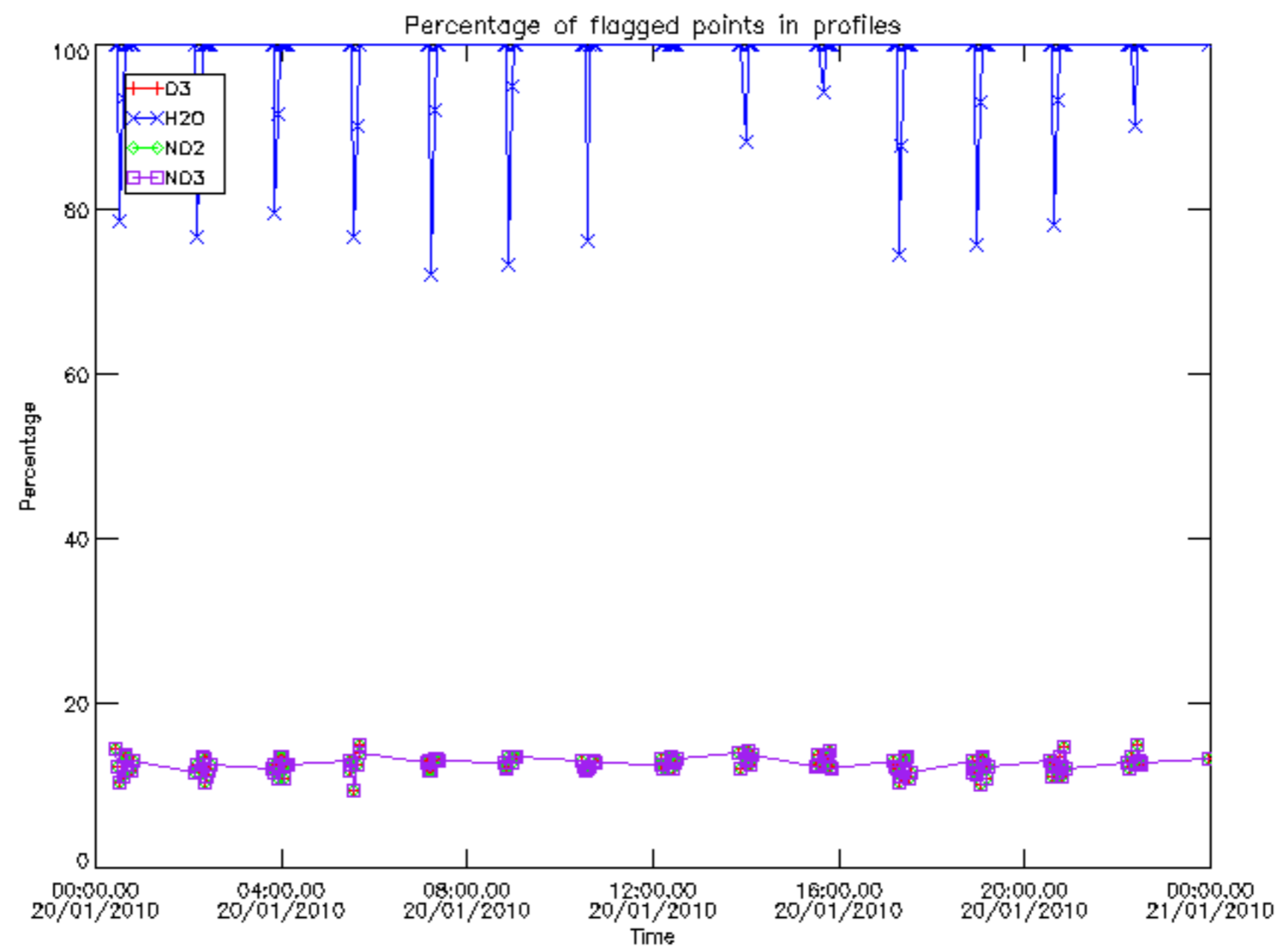




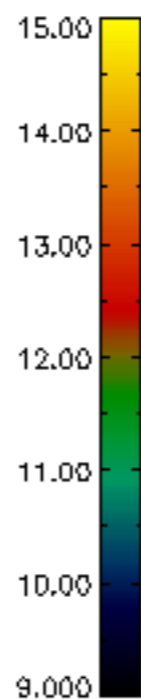
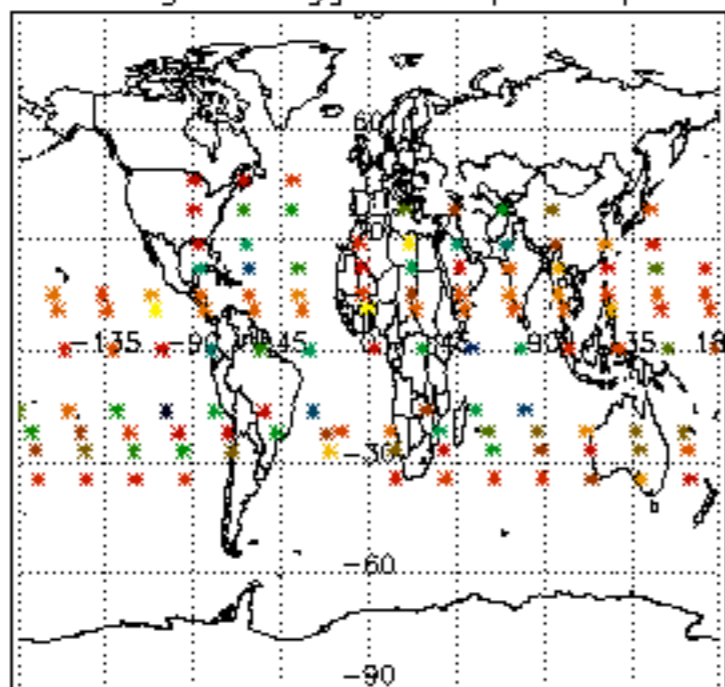




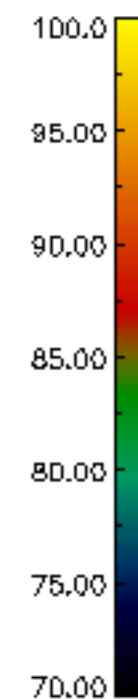
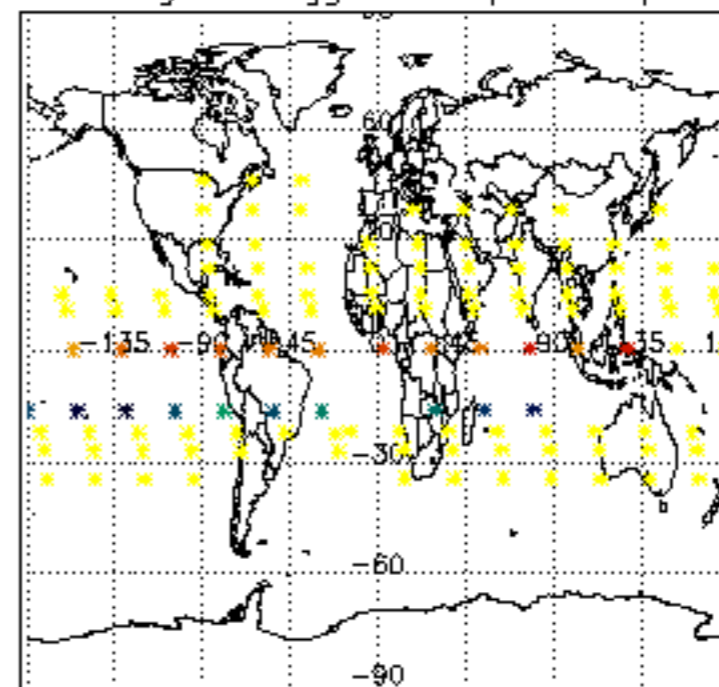




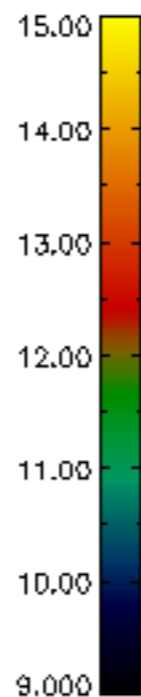
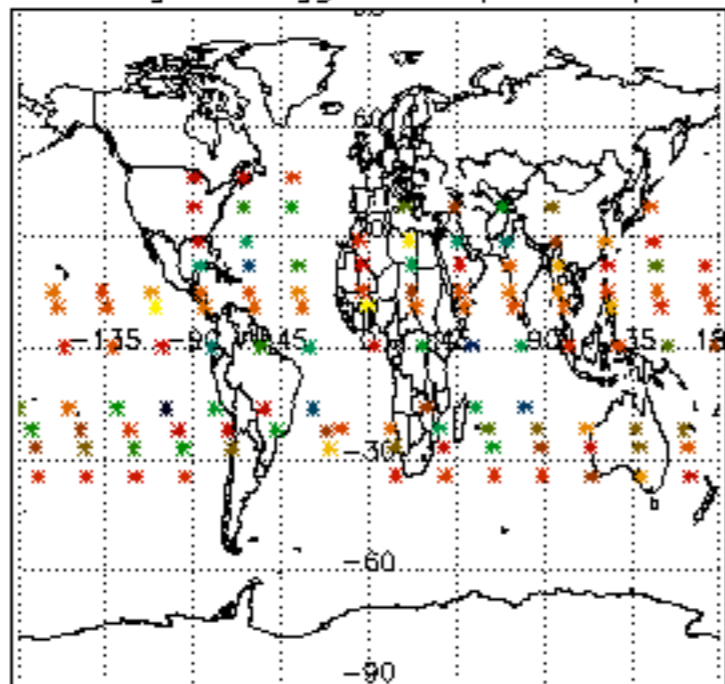
Percentage of flagged data per D3 profile



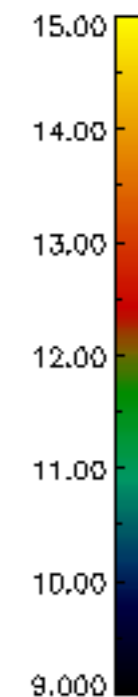
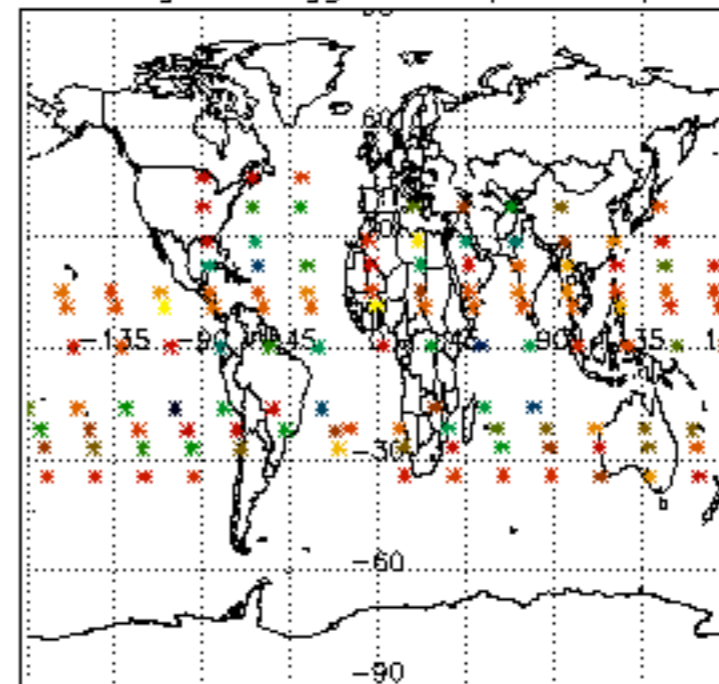
Percentage of flagged data per H2O profile

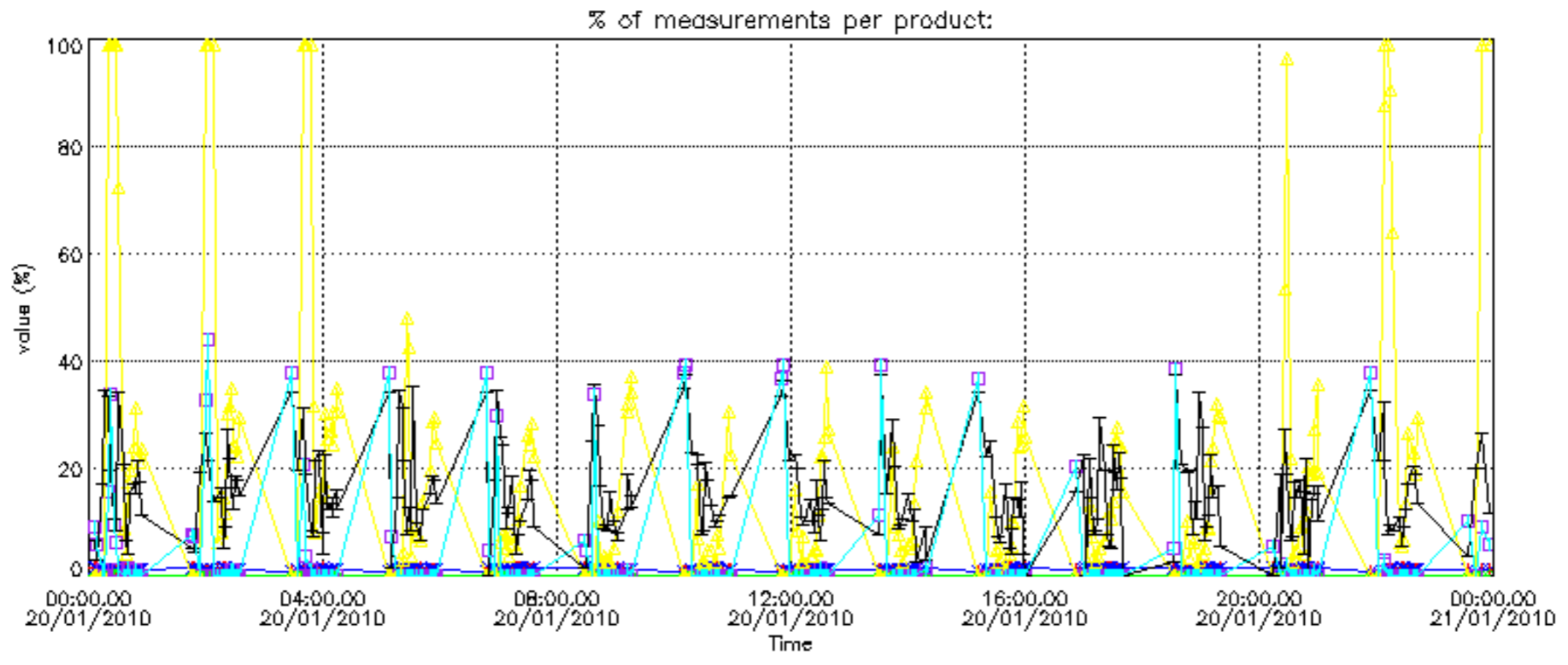


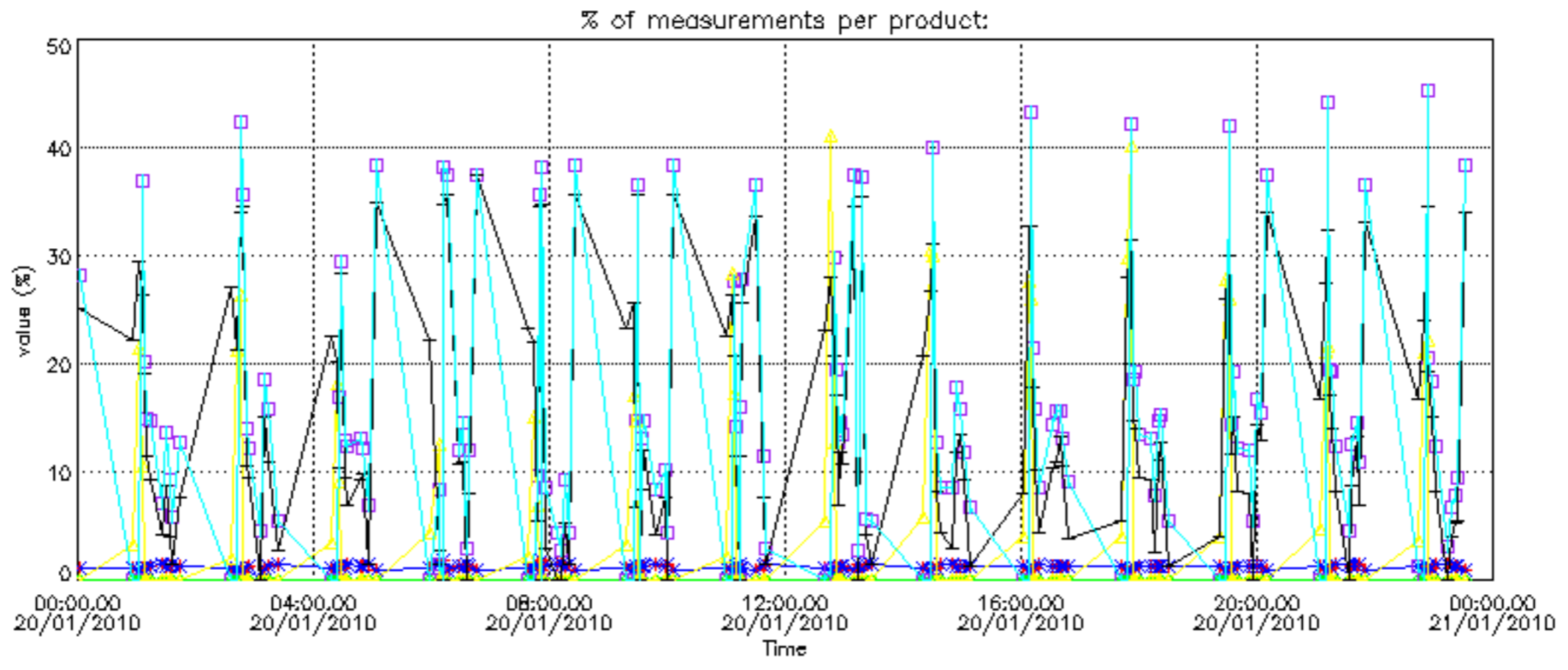
Percentage of flagged data per NO2 profile



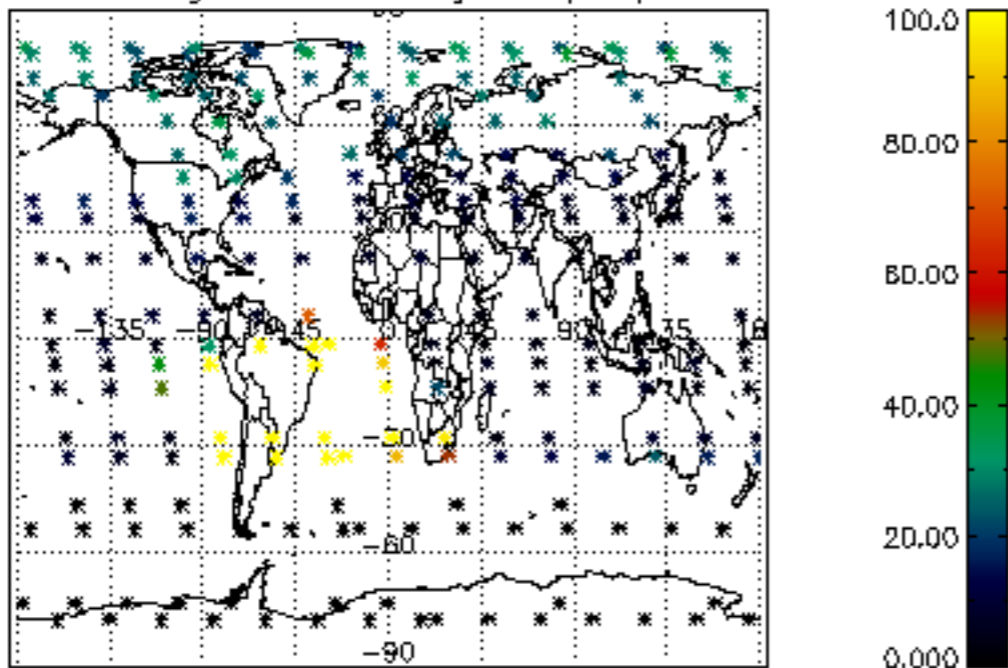
Percentage of flagged data per NO3 profile



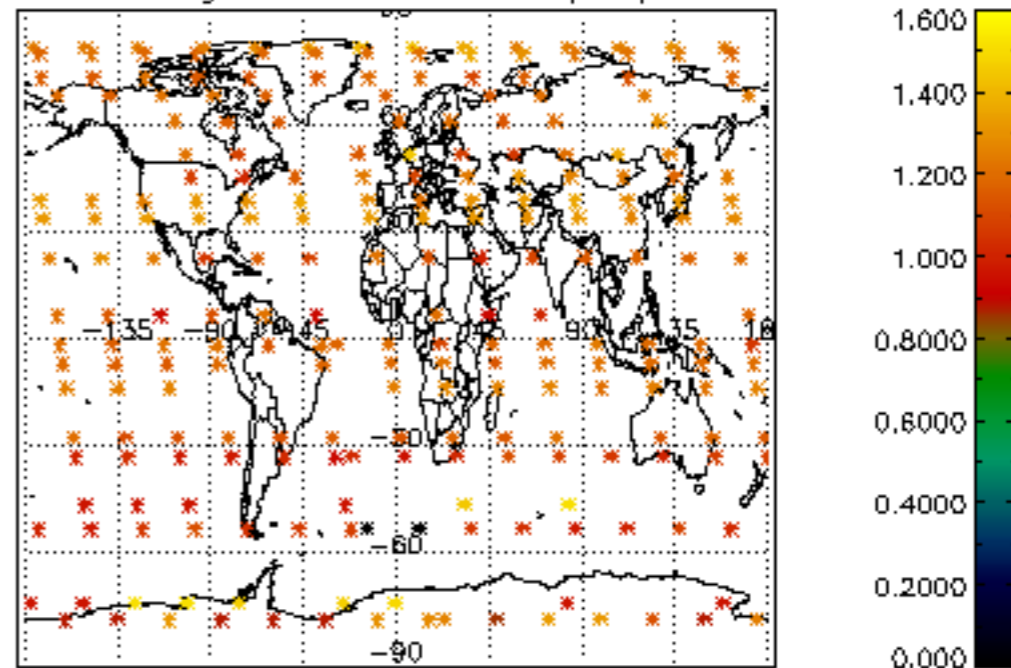




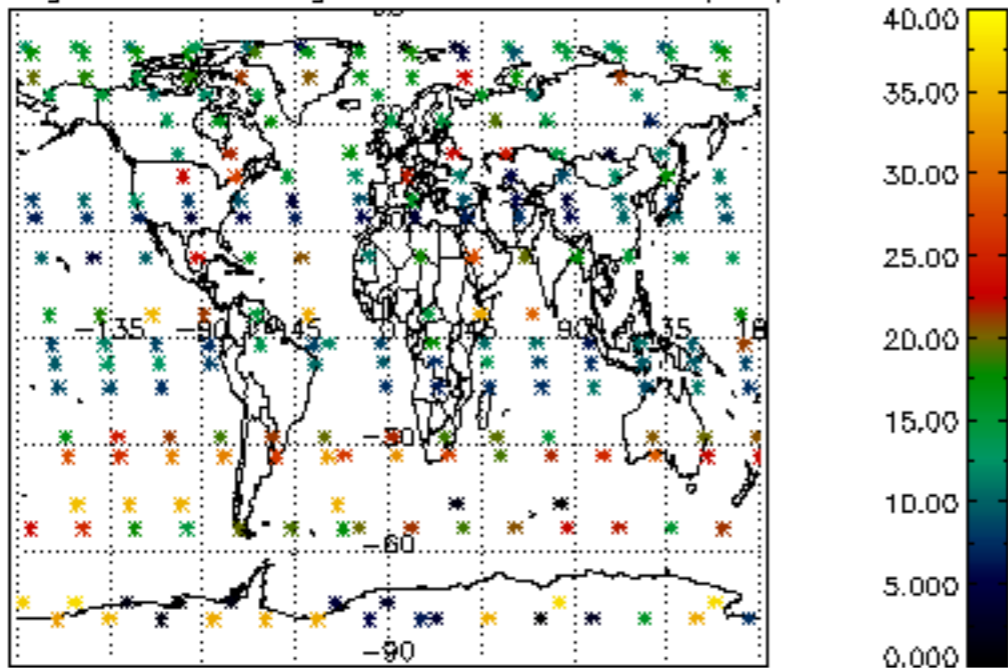
Percentage of cosmic ray hits per profile



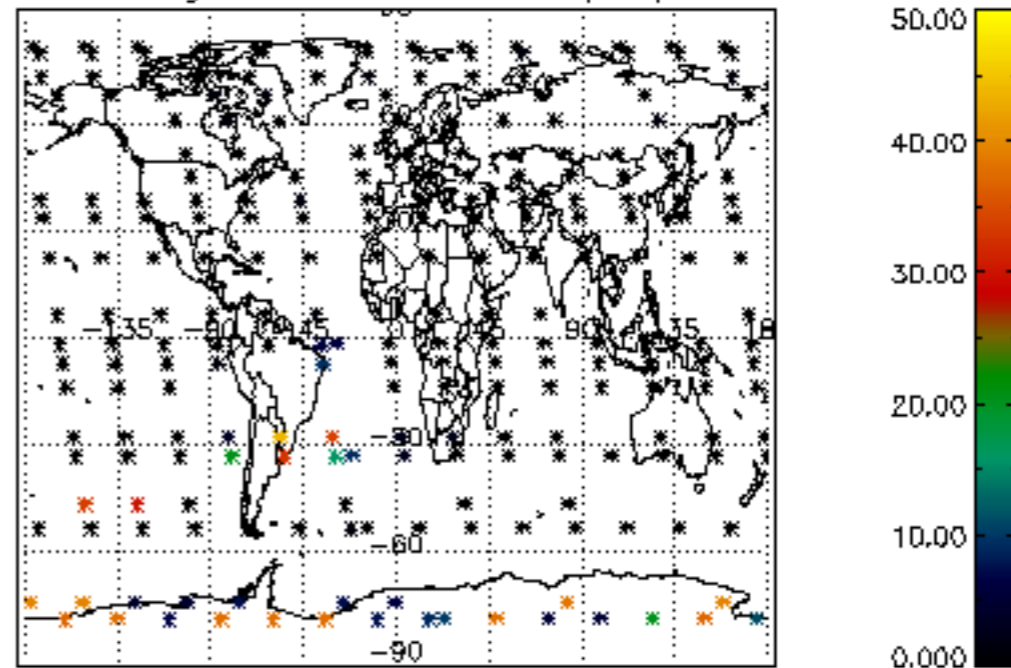
Percentage of datation errors per profile



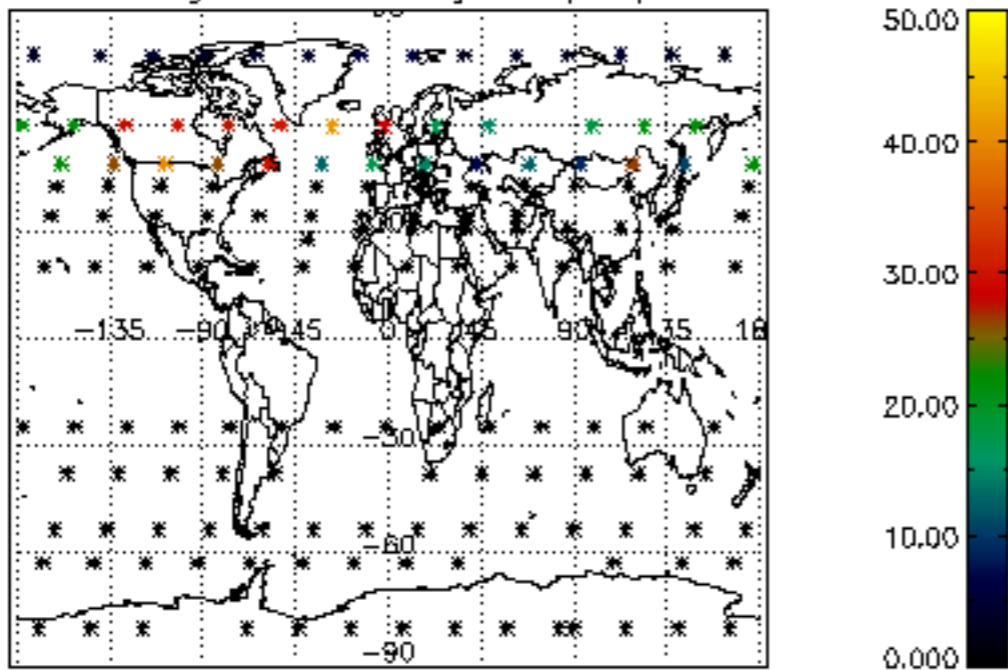
Percentage of star falling outside central band per profile



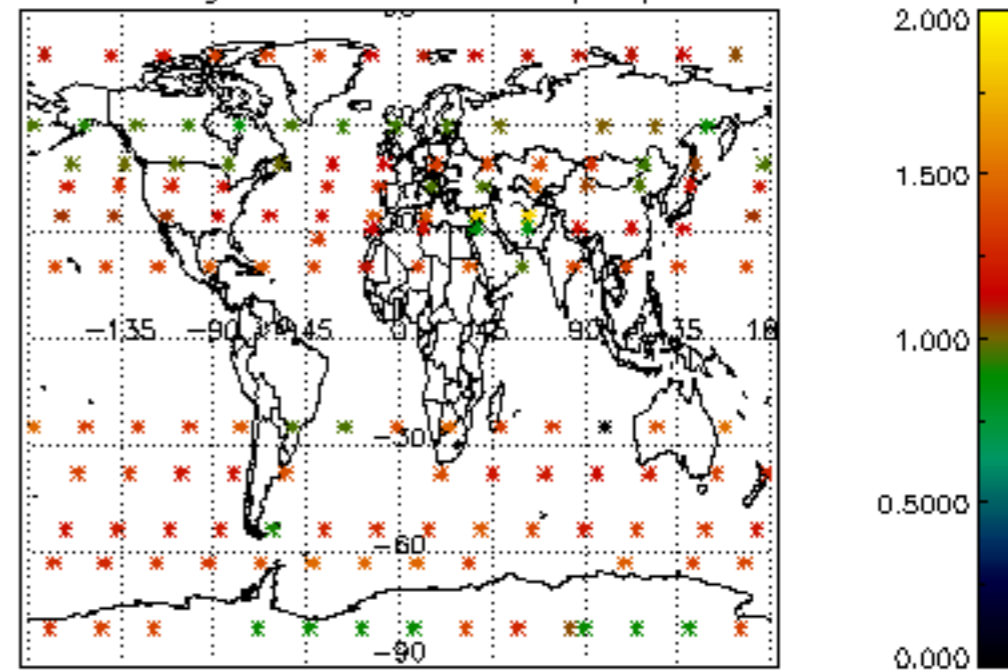
Percentage of saturation errors per profile



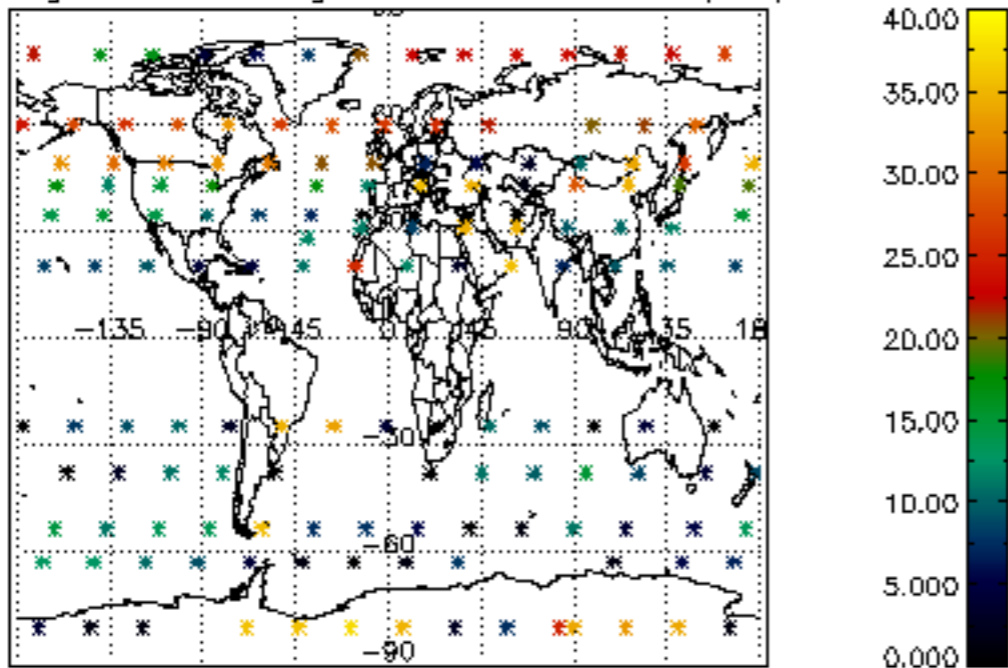
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

