

GOMOS Level 2 Daily Report

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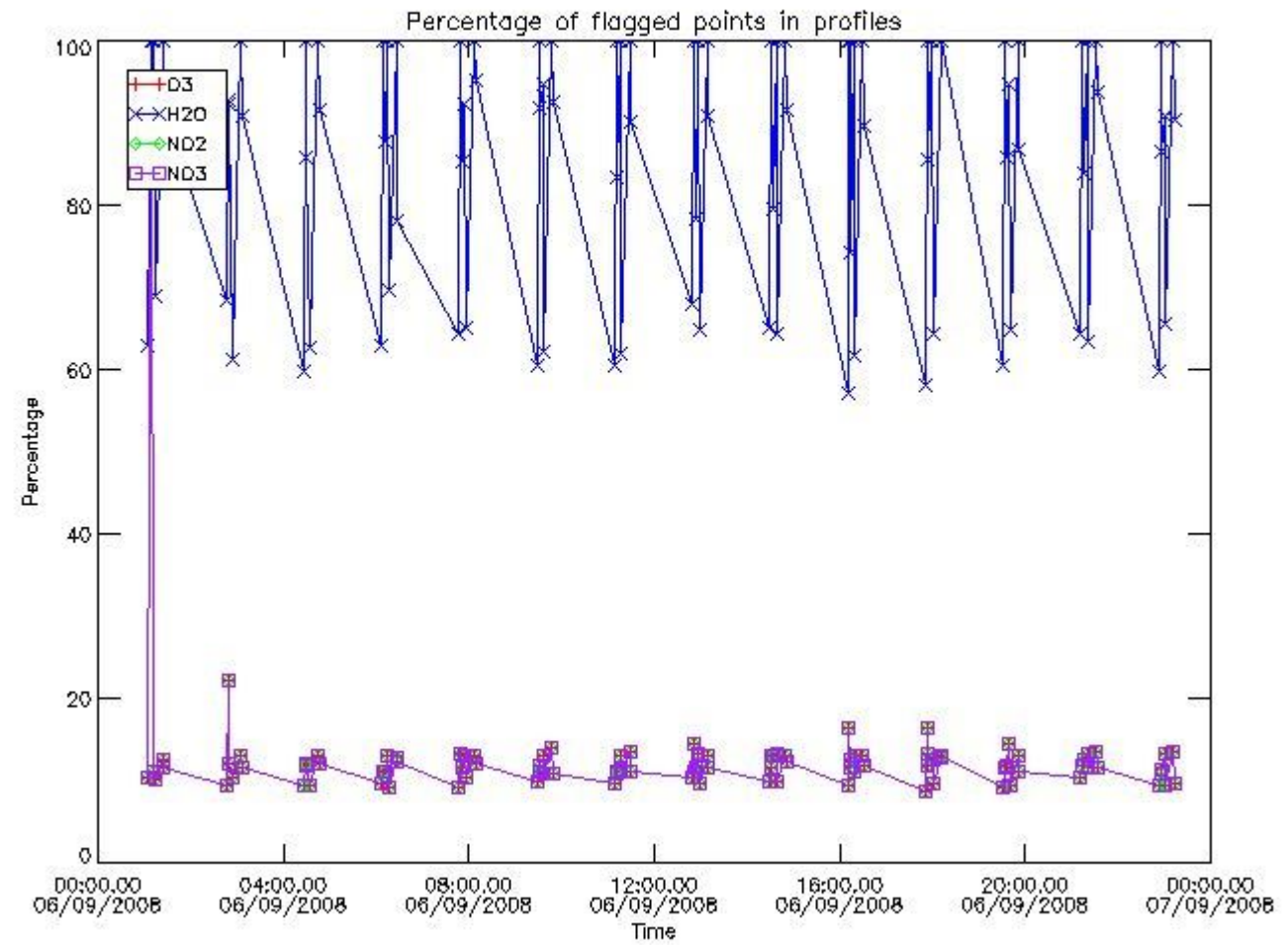
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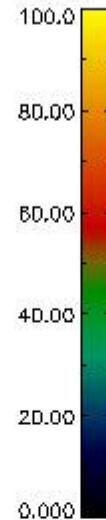
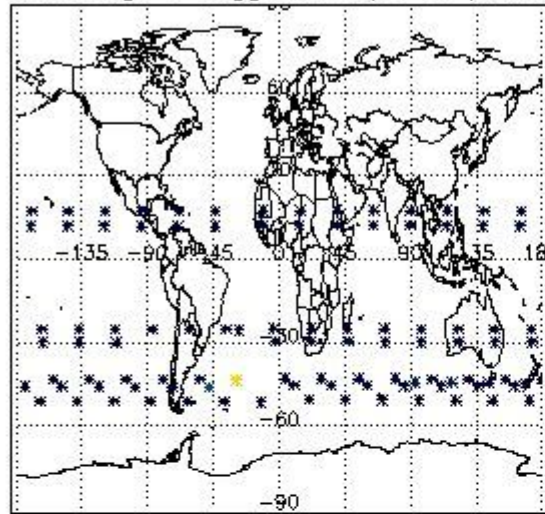
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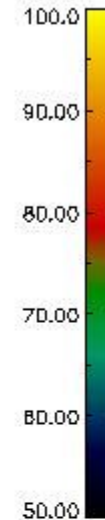
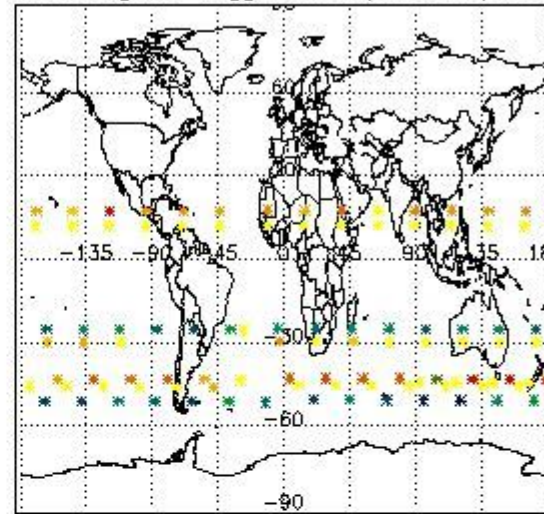


3.2 Plot quality information per product (world map)

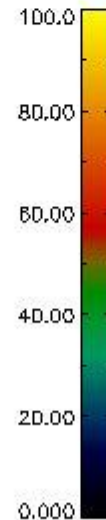
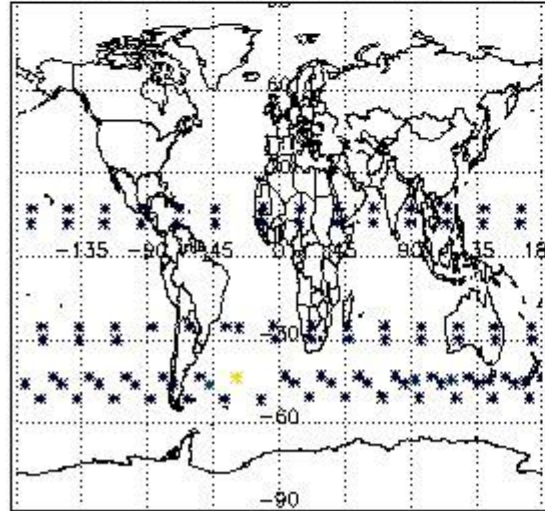
Percentage of flagged data per O3 profile



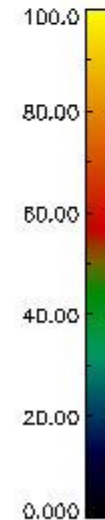
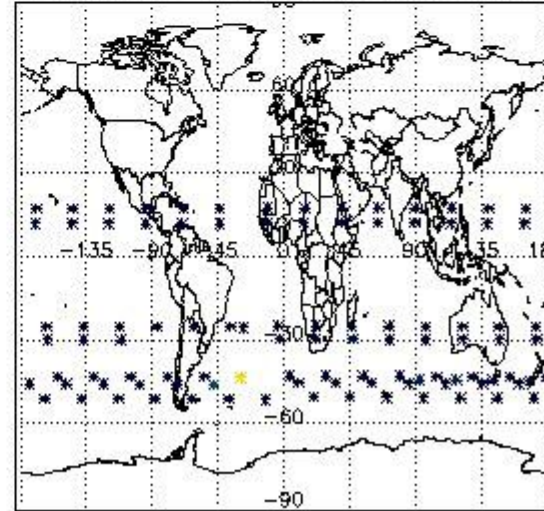
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

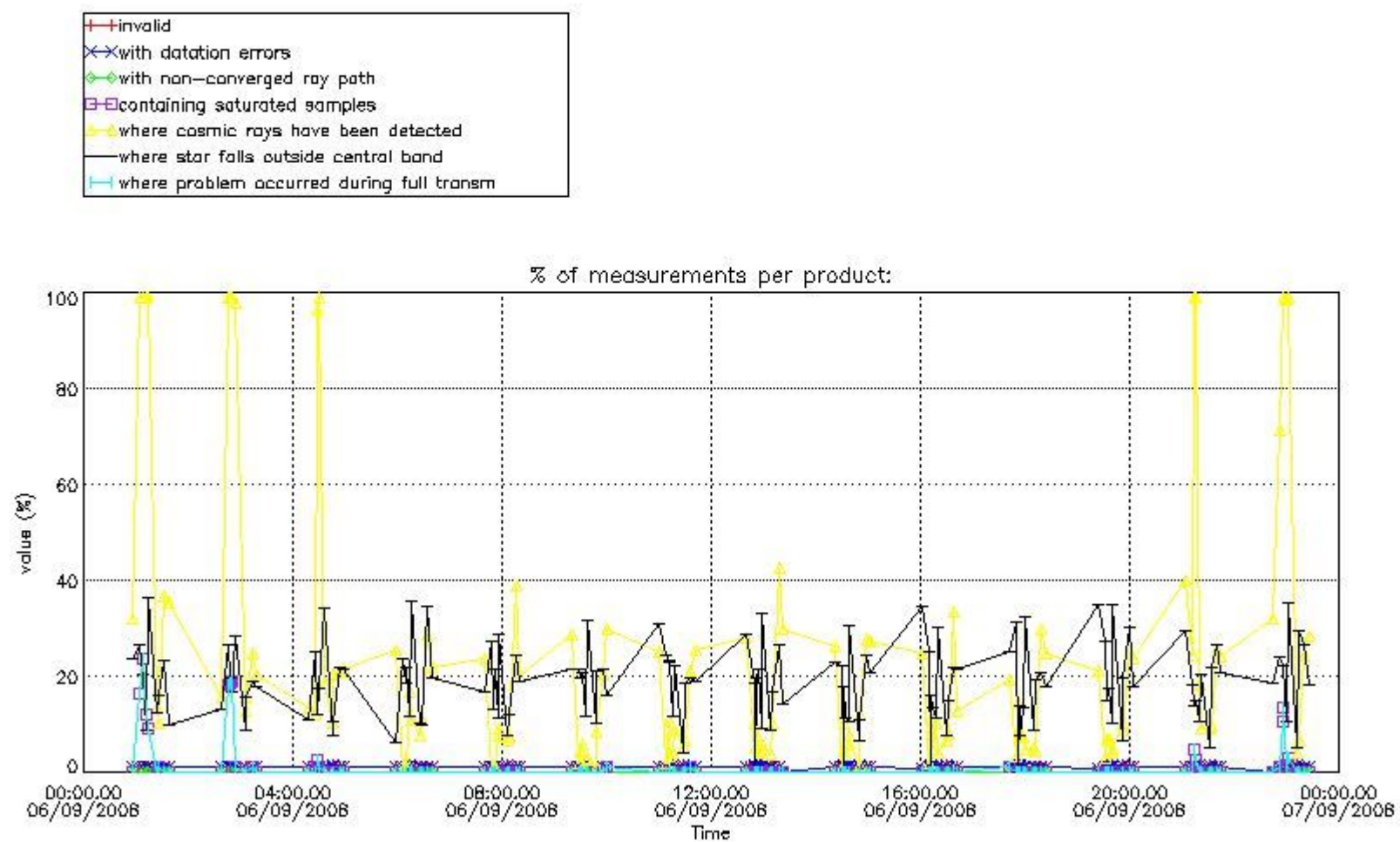


4. Level 1 quality information per product

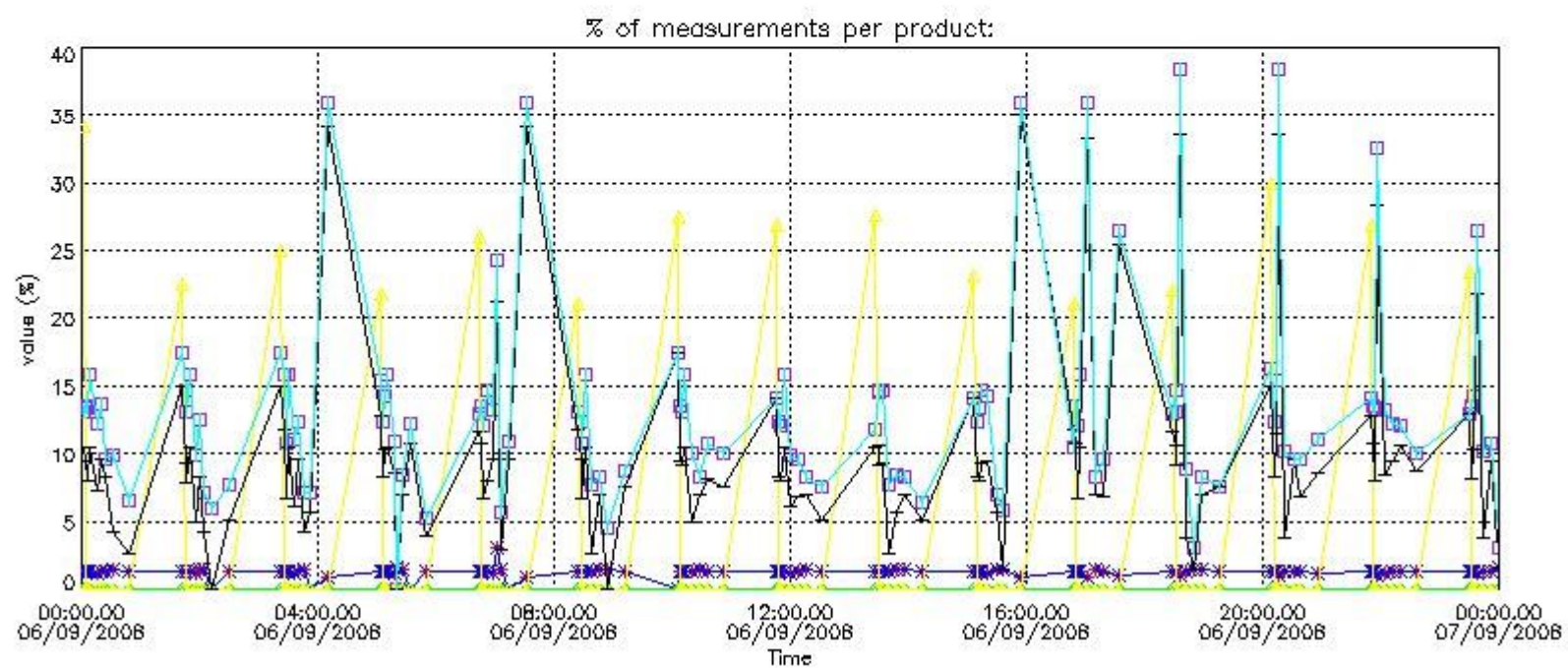
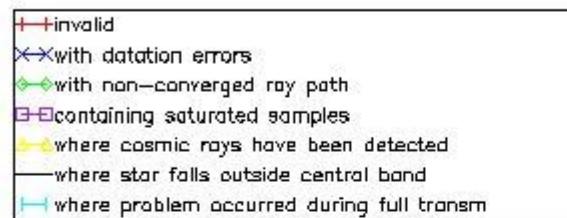
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

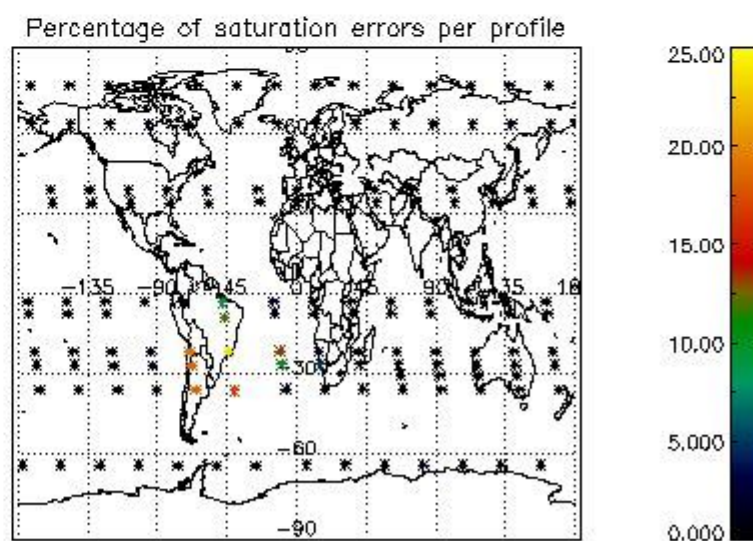
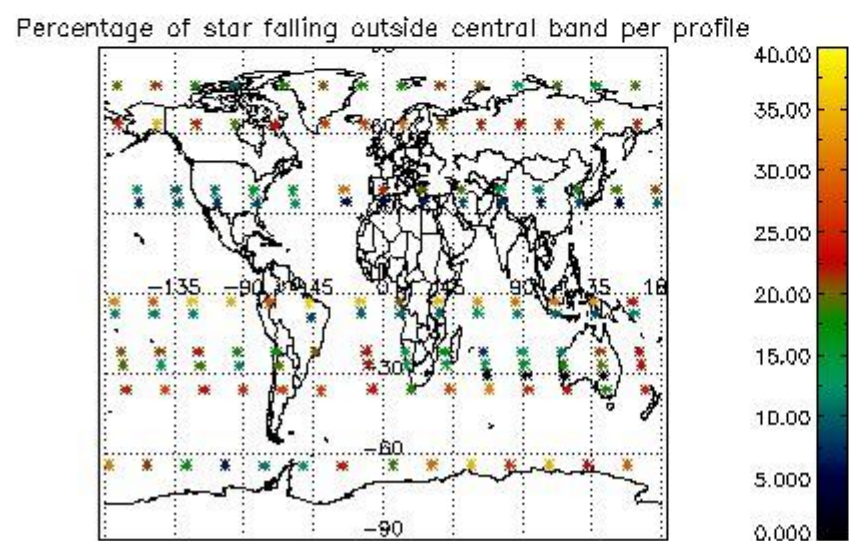
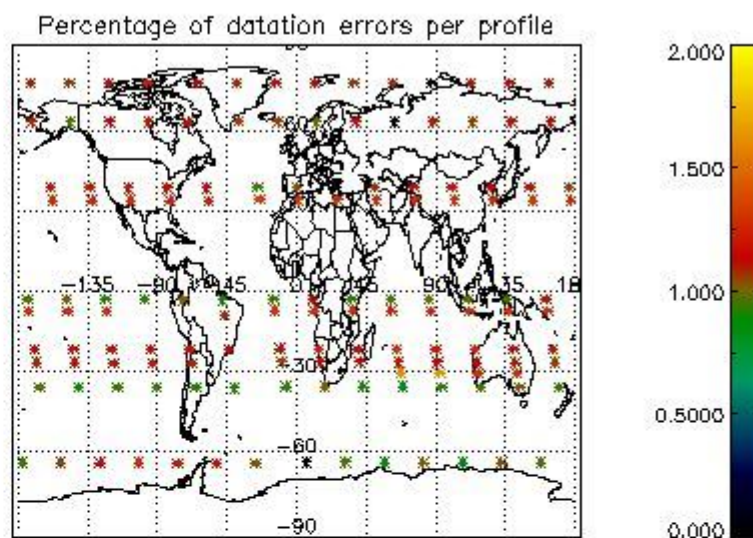
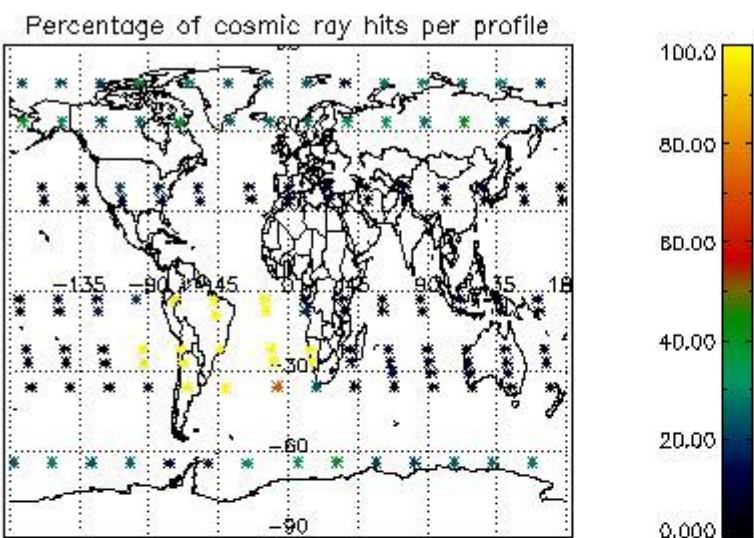


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

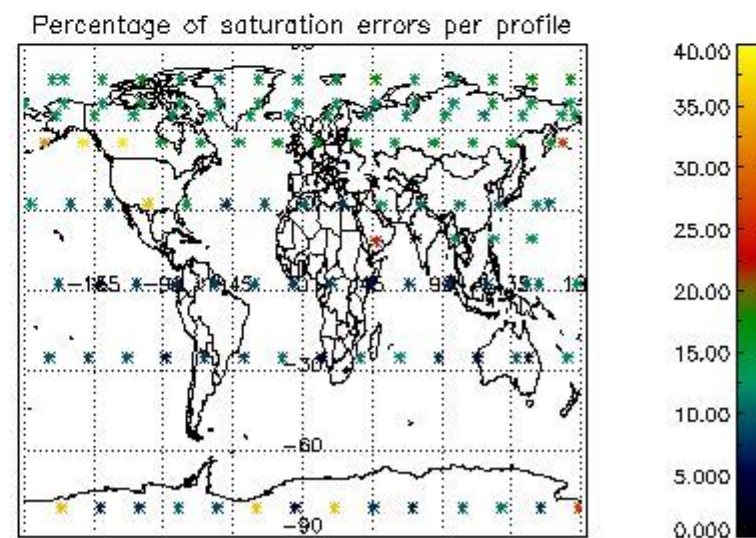
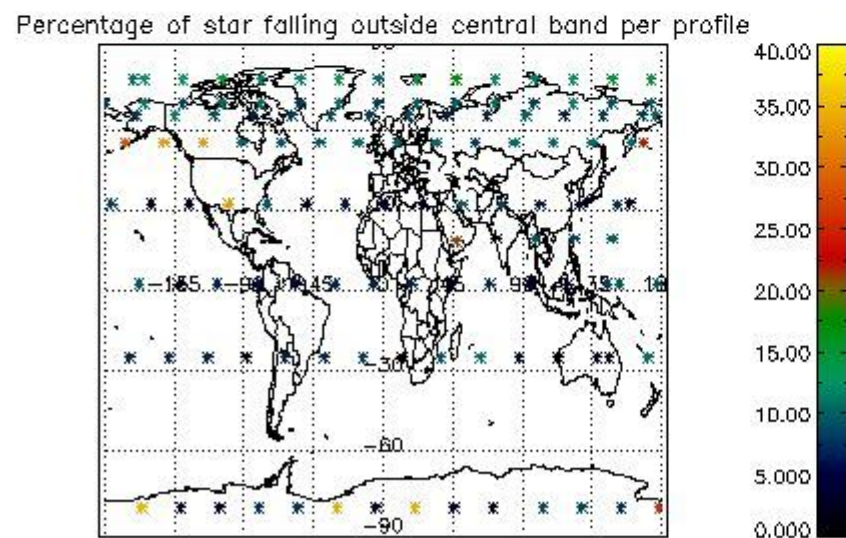
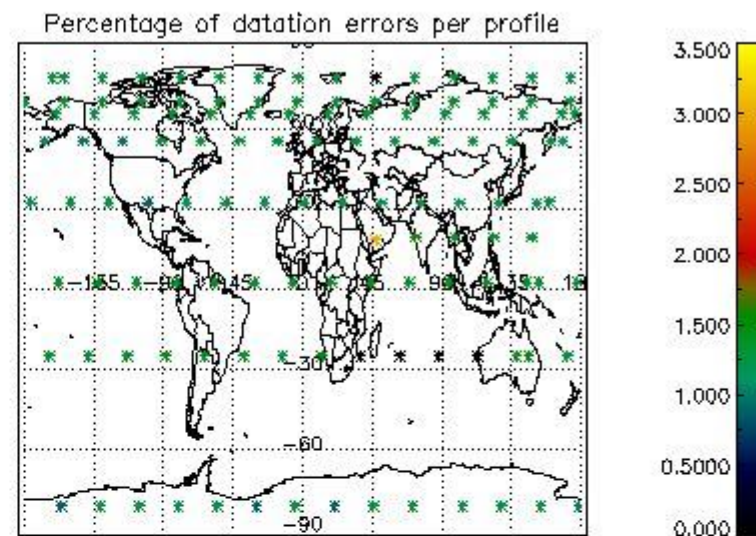
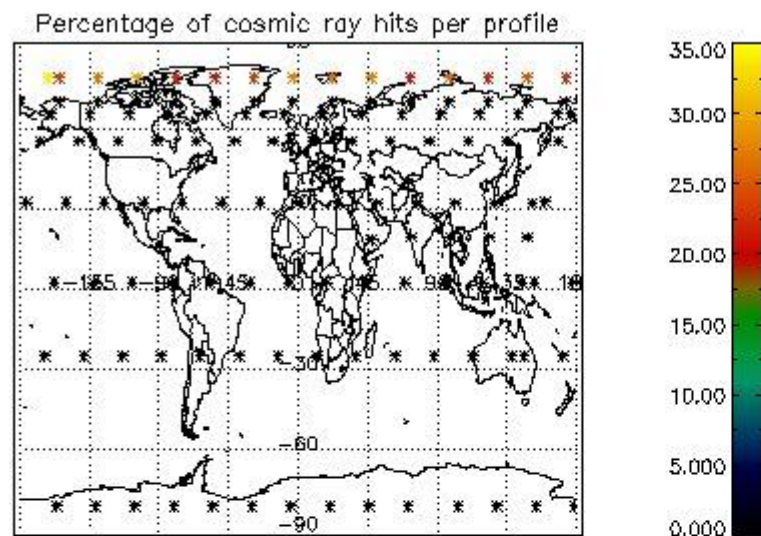


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

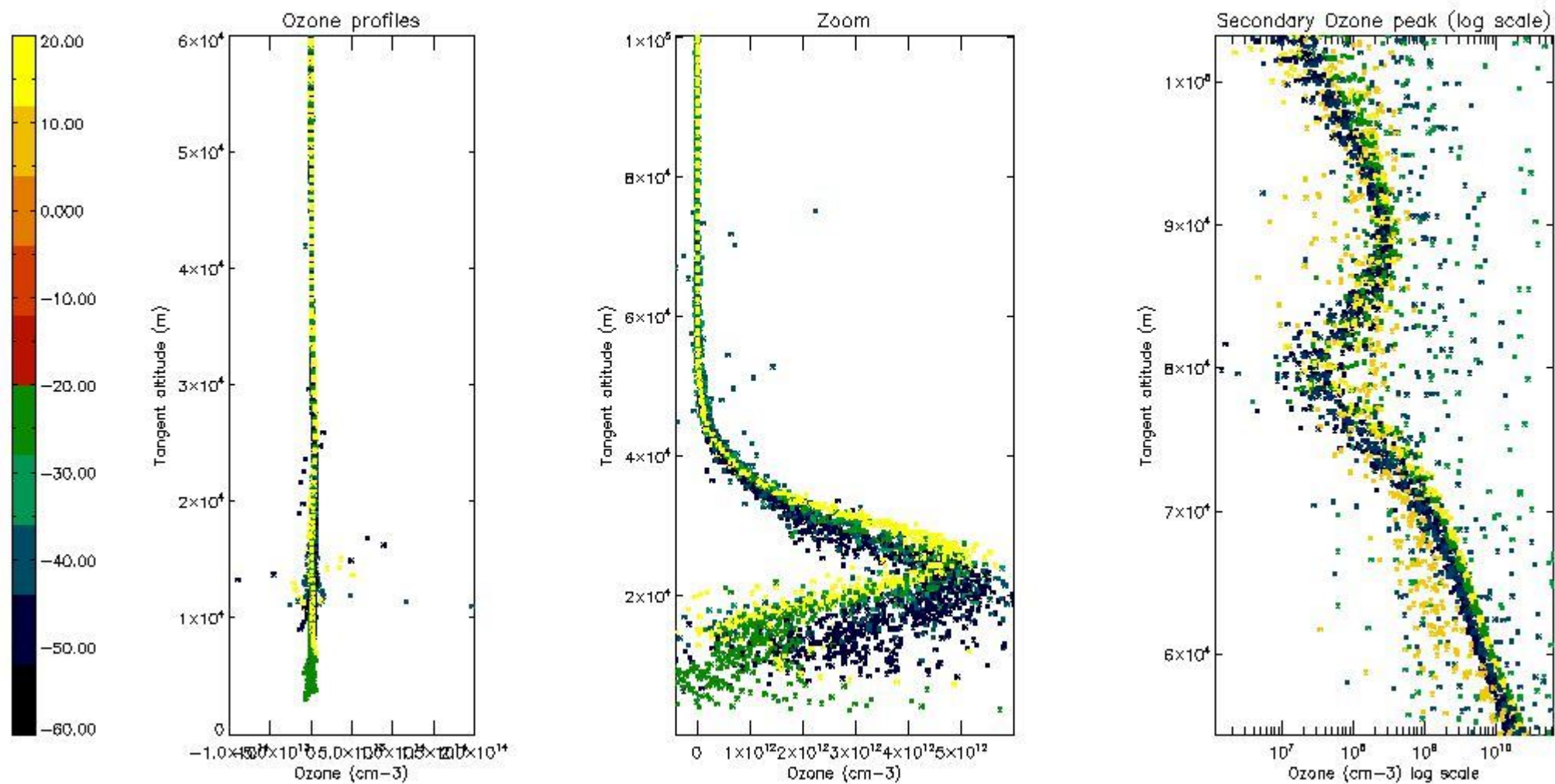
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	23

STD < 10	18
STD < 5	14

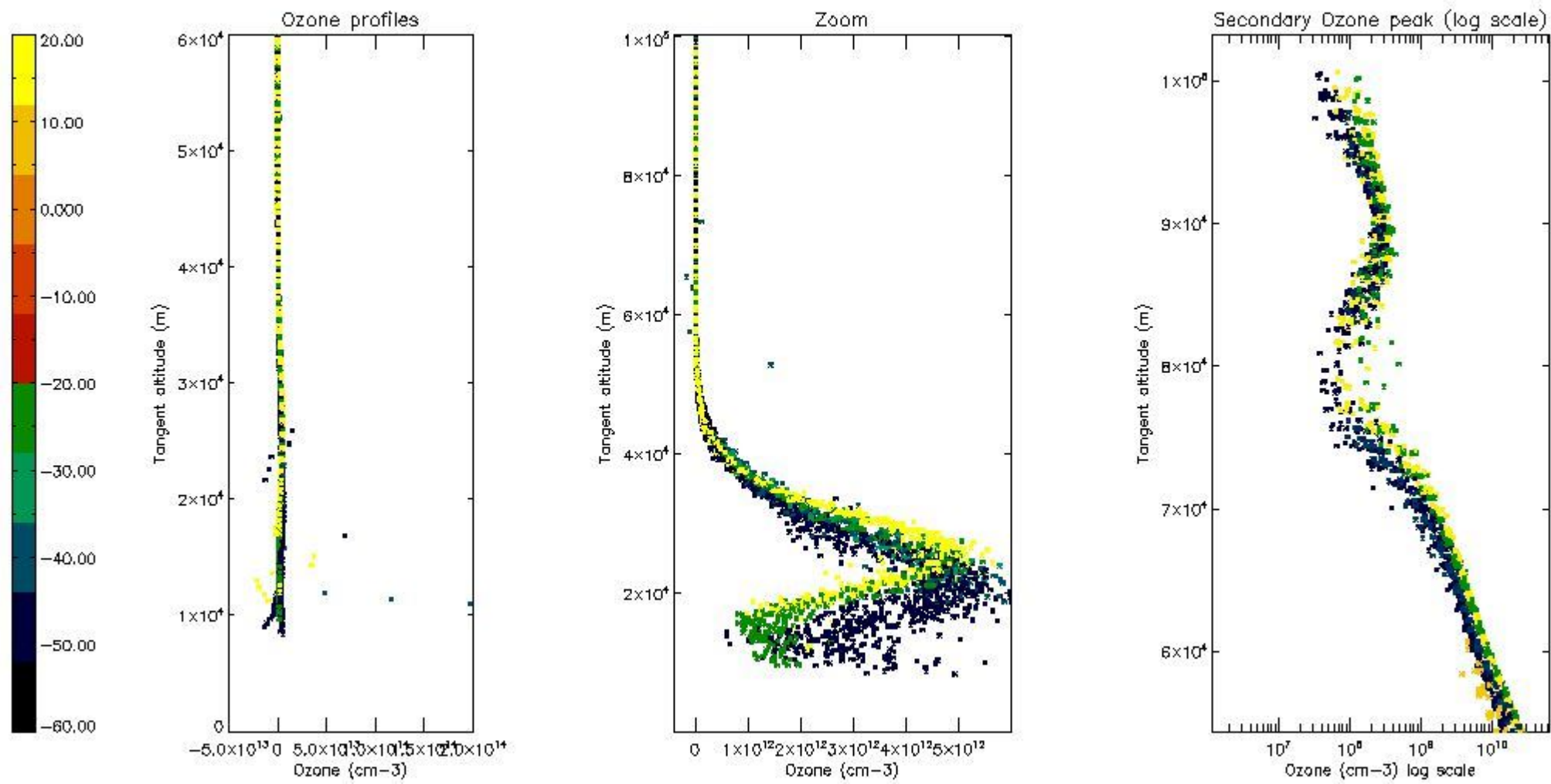
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



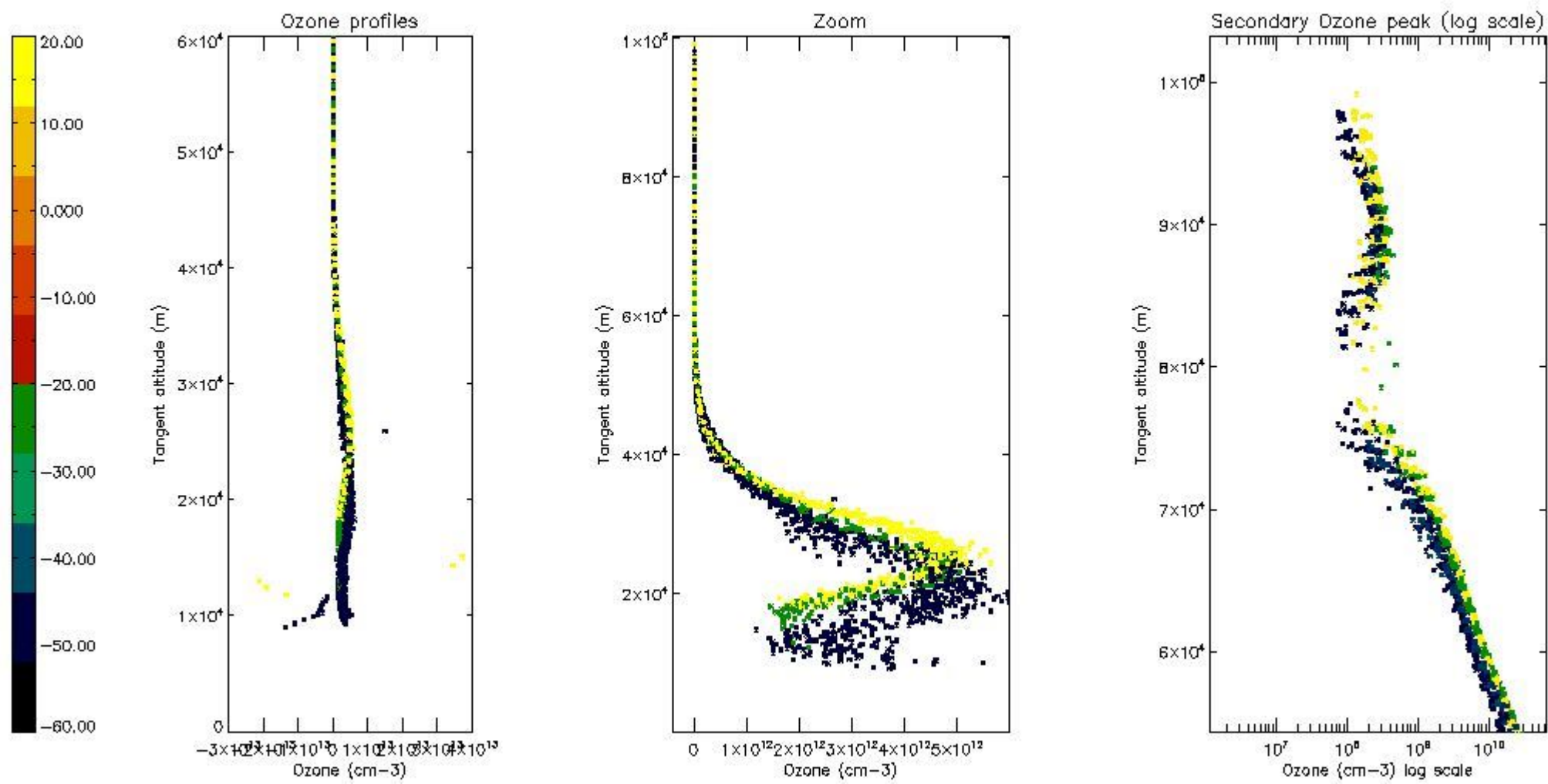
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



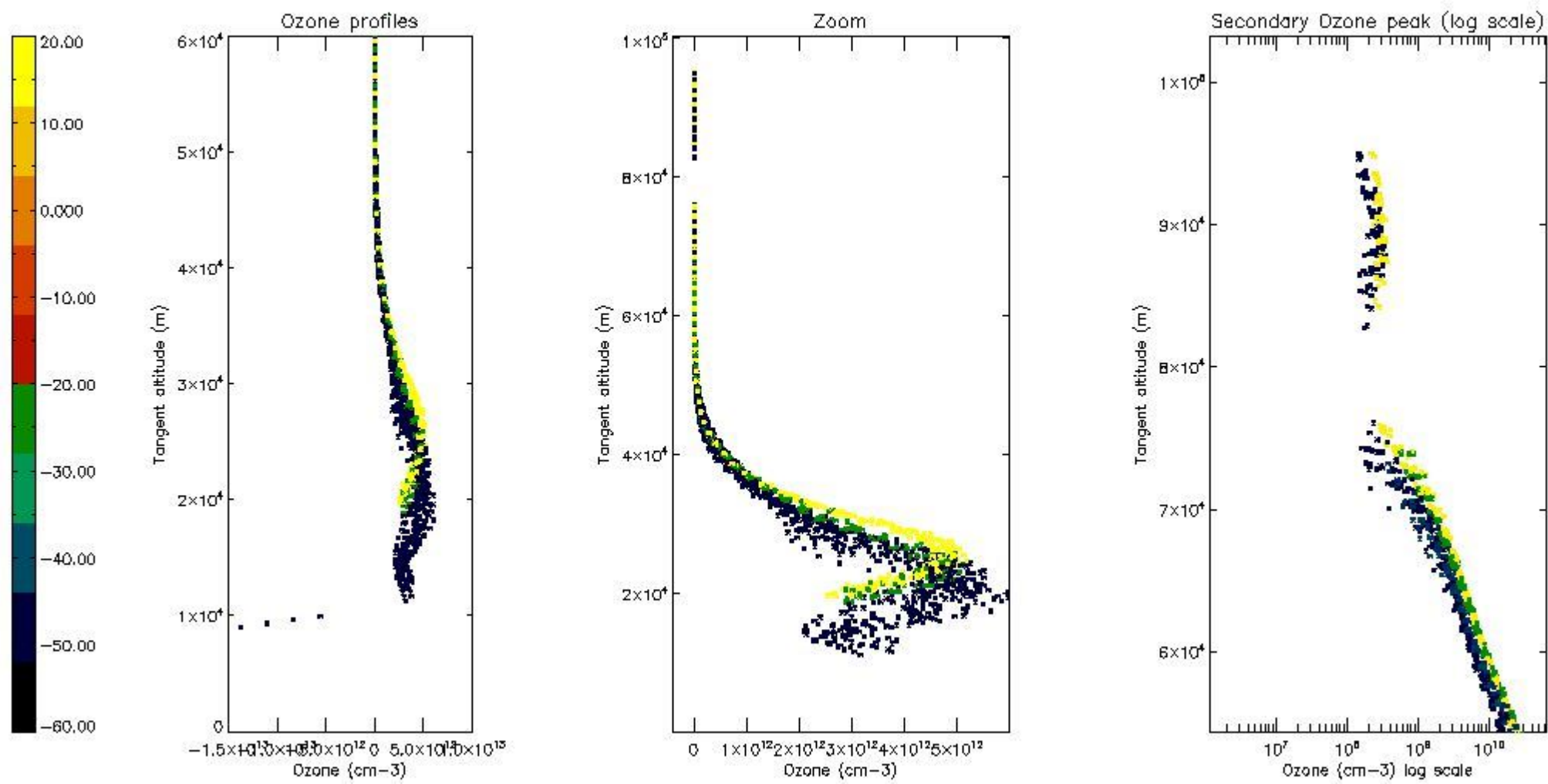
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



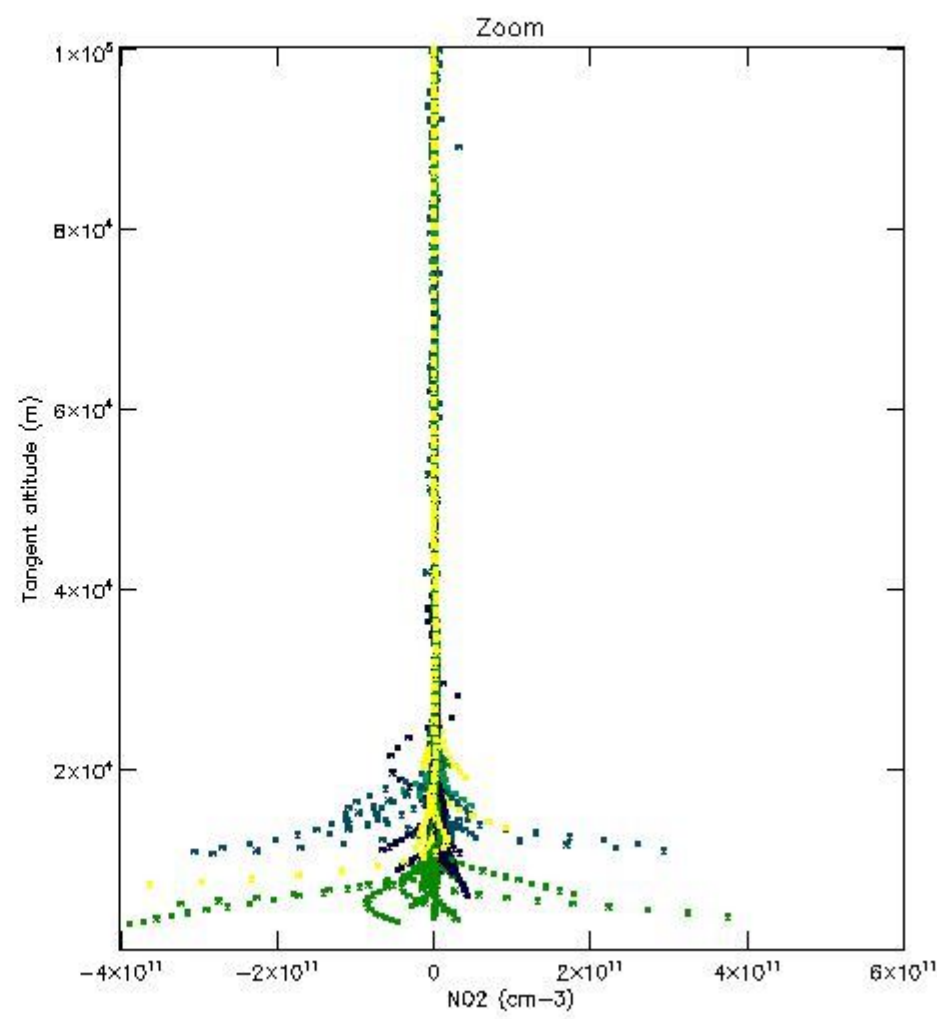
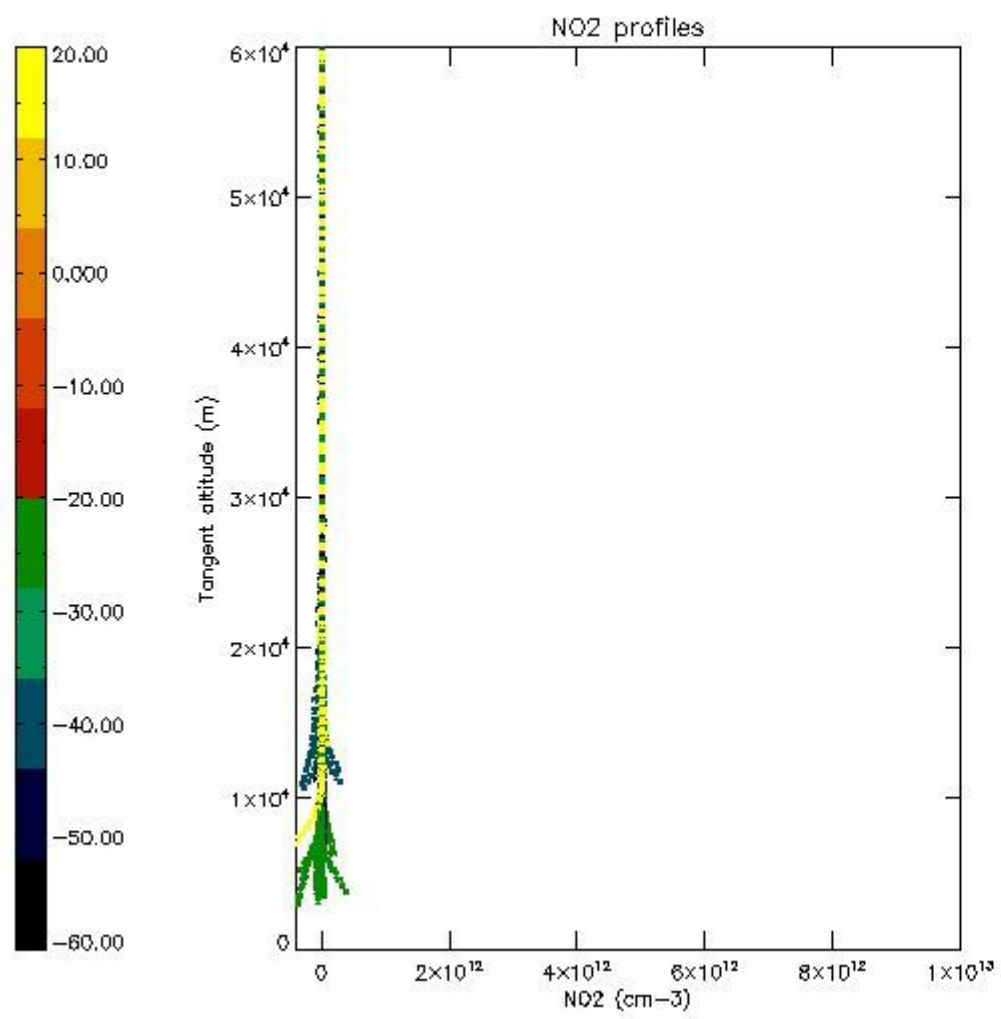
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



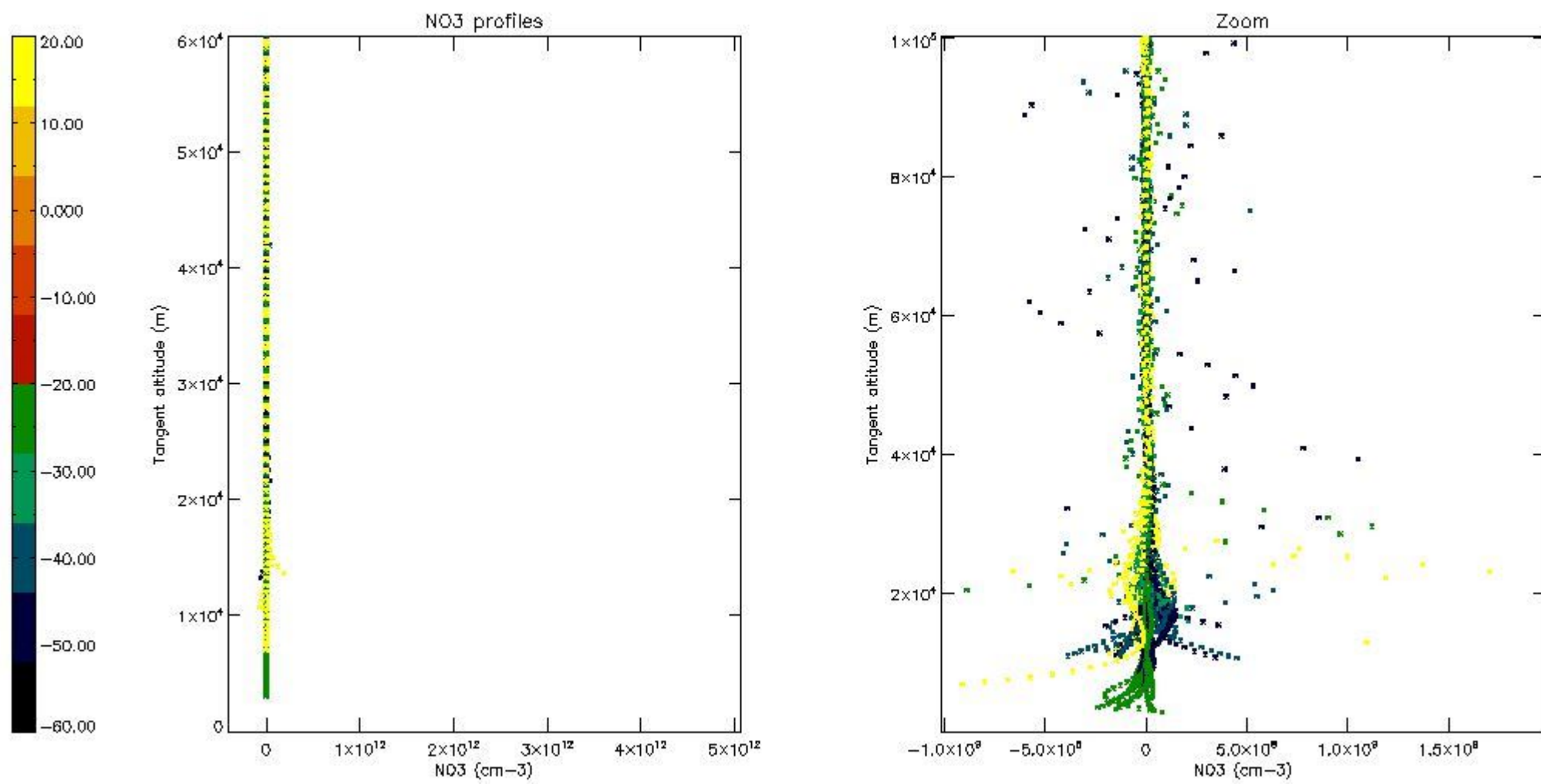
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



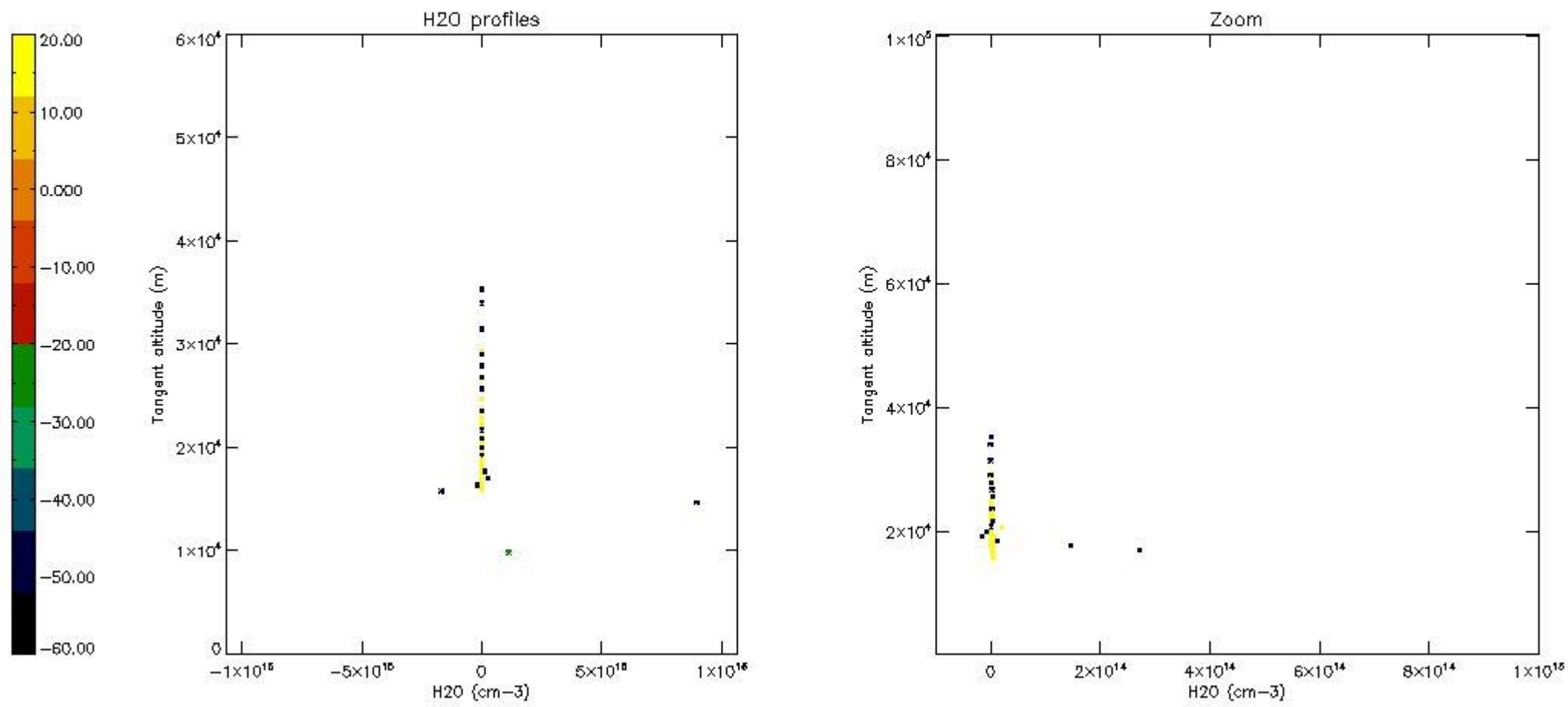
5.7 Plot NO3 profiles for all STD (dark without errors)

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	06-SEP-2008 00:01:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-SEP-2008 00:01:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-SEP-2008 00:01:29

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[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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[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 19:42:31
Data source version	GOMOS/6.01
Start time of products	06-09-2008 (06SEP2008 00:00:00)
Stop time of products	07-09-2008 (07SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	265
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__2PRFIN20080906_000129_000000382071_00460_34081_3420.N1	06-SEP-2008 00:01:29	Bright	38.000	142	49Del Cap	2.8500	8900.0	76	34081	No
2	GOM_NL__2PRFIN20080906_000434_000000372071_00460_34081_3421.N1	06-SEP-2008 00:04:34	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	34081	No
3	GOM_NL__2PRFIN20080906_000555_000000382071_00460_34081_3422.N1	06-SEP-2008 00:05:55	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34081	No
4	GOM_NL__2PRFIN20080906_000853_000000382071_00460_34081_3423.N1	06-SEP-2008 00:08:53	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34081	No
5	GOM_NL__2PRFIN20080906_001529_000000412071_00460_34081_3424.N1	06-SEP-2008 00:15:29	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	34081	No
6	GOM_NL__2PRFIN20080906_001903_000000372071_00460_34081_3425.N1	06-SEP-2008 00:19:03	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	34081	No
7	GOM_NL__2PRFIN20080906_002349_000000372071_00460_34081_3426.N1	06-SEP-2008 00:23:49	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	34081	No
8	GOM_NL__2PRFIN20080906_003132_000000362071_00460_34081_3427.N1	06-SEP-2008 00:31:32	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34081	No
9	GOM_NL__2PRFIN20080906_004842_000000382071_00460_34081_3428.N1	06-SEP-2008 00:48:42	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	34081	No
10	GOM_NL__2PRFIN20080906_005640_000000492071_00460_34081_3429.N1	06-SEP-2008 00:56:40	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	34081	No
11	GOM_NL__2PRFIN20080906_010445_000000552071_00460_34081_3430.N1	06-SEP-2008 01:04:45	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	34081	No
12	GOM_NL__2PRFIN20080906_010846_000000452071_00460_34081_3431.N1	06-SEP-2008 01:08:46	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	34081	No
13	GOM_NL__2PRFIN20080906_011224_000000462071_00460_34081_3432.N1	06-SEP-2008 01:12:24	Dark	46.000	108	Alp Col	2.6520	15200.	92	34081	No
14	GOM_NL__2PRFIN20080906_011400_000000552071_00460_34081_3433.N1	06-SEP-2008 01:14:00	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34081	No
15	GOM_NL__2PRFIN20080906_012423_000000412071_00461_34082_3390.N1	06-SEP-2008 01:24:23	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	34082	No
16	GOM_NL__2PRFIN20080906_012544_000000442071_00461_34082_3391.N1	06-SEP-2008 01:25:44	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34082	No
17	GOM_NL__2PRFIN20080906_013248_000000452071_00461_34082_3392.N1	06-SEP-2008 01:32:48	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34082	No
18	GOM_NL__2PRFIN20080906_013724_000000412071_00461_34082_3393.N1	06-SEP-2008 01:37:24	Straylight	41.000	18	24Alp PsA	1.1660	9700.0	82	34082	No
19	GOM_NL__2PRFIN20080906_014205_000000402071_00461_34082_3394.N1	06-SEP-2008 01:42:05	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	34082	No
20	GOM_NL__2PRFIN20080906_014510_000000382071_00461_34082_3395.N1	06-SEP-2008 01:45:10	Bright	37.500	154	22Bet Aqr	2.8990	5700.0	75	34082	No
21	GOM_NL__2PRFIN20080906_014631_000000382071_00461_34082_3396.N1	06-SEP-2008 01:46:31	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	34082	No
22	GOM_NL__2PRFIN20080906_014929_000000382071_00461_34082_3397.N1	06-SEP-2008 01:49:29	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34082	No
23	GOM_NL__2PRFIN20080906_015604_000000412071_00461_34082_3398.N1	06-SEP-2008 01:56:04	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34082	No
24	GOM_NL__2PRFIN20080906_015939_000000362071_00461_34082_3399.N1	06-SEP-2008 01:59:39	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	34082	No
25	GOM_NL__2PRFIN20080906_020425_000000352071_00461_34082_3400.N1	06-SEP-2008 02:04:25	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	34082	No
26	GOM_NL__2PRFIN20080906_021208_000000342071_00461_34082_3401.N1	06-SEP-2008 02:12:08	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	34082	No
27	GOM_NL__2PRFIN20080906_022918_000000392071_00461_34082_3402.N1	06-SEP-2008 02:29:18	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	34082	No
28	GOM_NL__2PRFIN20080906_023716_000000422071_00461_34082_3403.N1	06-SEP-2008 02:37:16	Twilight	42.000	8	10Alp CMi	0.40000	6500.0	84	34082	No
29	GOM_NL__2PRFIN20080906_024521_000000552071_00461_34082_3404.N1	06-SEP-2008 02:45:21	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	34082	No
30	GOM_NL__2PRFIN20080906_024758_000000462071_00461_34082_3405.N1	06-SEP-2008 02:47:58	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	34082	No
31	GOM_NL__2PRFIN20080906_024923_000000422071_00461_34082_3406.N1	06-SEP-2008 02:49:23	Dark	42.000	117	Pi Pup	2.7060	3800.0	84	34082	No
32	GOM_NL__2PRFIN20080906_025436_000000502071_00461_34082_3407.N1	06-SEP-2008 02:54:36	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	34082	No
33	GOM_NL__2PRFIN20080906_030500_000000402071_00462_34083_3384.N1	06-SEP-2008 03:05:00	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34083	No
34	GOM_NL__2PRFIN20080906_030621_000000452071_00462_34083_3385.N1	06-SEP-2008 03:06:21	Dark	44.500	9	Alp Eri	0.45300	24000.	89	34083	No
35	GOM_NL__2PRFIN20080906_031324_000000432071_00462_34083_3386.N1	06-SEP-2008 03:13:24	Straylight	42.500	63	Bet Gru	2.1500	2800.0	85	34083	No
36	GOM_NL__2PRFIN20080906_031800_000000452071_00462_34083_3387.N1	06-SEP-2008 03:18:00	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	34083	No
37	GOM_NL__2PRFIN20080906_032241_000000402071_00462_34083_3388.N1	06-SEP-2008 03:22:41	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	34083	No
38	GOM_NL__2PRFIN20080906_032546_000000382071_00462_34083_3389.N1	06-SEP-2008 03:25:46	Bright	38.000	154	22Bet Aqr	2.8990	5700.0	76	34083	No
39	GOM_NL__2PRFIN20080906_032707_000000372071_00462_34083_3390.N1	06-SEP-2008 03:27:07	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34083	No
40	GOM_NL__2PRFIN20080906_033005_000000382071_00462_34083_3391.N1	06-SEP-2008 03:30:05	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34083	No
41	GOM_NL__2PRFIN20080906_033640_000000412071_00462_34083_3392.N1	06-SEP-2008 03:36:40	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34083	No
42	GOM_NL__2PRFIN20080906_034015_000000372071_00462_34083_3393.N1	06-SEP-2008 03:40:15	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	34083	No

43	GOM_NL__2PRFIN20080906_034501_000000352071_00462_34083_3394.N1	06-SEP-2008 03:45:01	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	34083	No
44	GOM_NL__2PRFIN20080906_035244_000000352071_00462_34083_3395.N1	06-SEP-2008 03:52:44	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34083	No
45	GOM_NL__2PRFIN20080906_040954_000000572071_00462_34083_3396.N1	06-SEP-2008 04:09:54	Bright	57.000	24	66Alp Gem	1.5800	10200.	114	34083	No
46	GOM_NL__2PRFIN20080906_041752_000000412071_00462_34083_3397.N1	06-SEP-2008 04:17:52	Twilight	41.000	8	10Alp CMi	0.40000	6500.0	82	34083	No
47	GOM_NL__2PRFIN20080906_042558_000000542071_00462_34083_3398.N1	06-SEP-2008 04:25:58	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	34083	No
48	GOM_NL__2PRFIN20080906_042834_000000422071_00462_34083_3399.N1	06-SEP-2008 04:28:34	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	34083	No
49	GOM_NL__2PRFIN20080906_042959_000000432071_00462_34083_3400.N1	06-SEP-2008 04:29:59	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	34083	No
50	GOM_NL__2PRFIN20080906_043513_000000542071_00462_34083_3401.N1	06-SEP-2008 04:35:13	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34083	No
51	GOM_NL__2PRFIN20080906_044536_000000392071_00463_34084_3347.N1	06-SEP-2008 04:45:36	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34084	No
52	GOM_NL__2PRFIN20080906_044657_000000422071_00463_34084_3348.N1	06-SEP-2008 04:46:57	Dark	42.000	9	Alp Eri	0.45300	24000.	84	34084	No
53	GOM_NL__2PRFIN20080906_045400_000000442071_00463_34084_3349.N1	06-SEP-2008 04:54:00	Straylight	43.500	63	Bet Gru	2.1500	2800.0	87	34084	No
54	GOM_NL__2PRFIN20080906_045837_000000472071_00463_34084_3350.N1	06-SEP-2008 04:58:37	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	34084	No
55	GOM_NL__2PRFIN20080906_050317_000000392071_00463_34084_3351.N1	06-SEP-2008 05:03:17	Bright	39.000	142	49Del Cap	2.8500	8900.0	78	34084	No
56	GOM_NL__2PRFIN20080906_050623_000000372071_00463_34084_3352.N1	06-SEP-2008 05:06:23	Bright	36.500	154	22Bet Aqr	2.8990	5700.0	73	34084	No
57	GOM_NL__2PRFIN20080906_050743_000000392071_00463_34084_3353.N1	06-SEP-2008 05:07:43	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	34084	No
58	GOM_NL__2PRFIN20080906_051041_000000382071_00463_34084_3354.N1	06-SEP-2008 05:10:41	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34084	No
59	GOM_NL__2PRFIN20080906_051716_000000412071_00463_34084_3355.N1	06-SEP-2008 05:17:16	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	34084	No
60	GOM_NL__2PRFIN20080906_052051_000000312071_00463_34084_3356.N1	06-SEP-2008 05:20:51	Bright	31.000	19	50Alp Cyg	1.2460	10500.	62	34084	No
61	GOM_NL__2PRFIN20080906_052537_000000362071_00463_34084_3357.N1	06-SEP-2008 05:25:37	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34084	No
62	GOM_NL__2PRFIN20080906_053320_000000372071_00463_34084_3358.N1	06-SEP-2008 05:33:20	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34084	No
63	GOM_NL__2PRFIN20080906_055030_000000392071_00463_34084_3359.N1	06-SEP-2008 05:50:30	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	34084	No
64	GOM_NL__2PRFIN20080906_055829_000000402071_00463_34084_3360.N1	06-SEP-2008 05:58:29	Twilight	39.500	8	10Alp CMi	0.40000	6500.0	79	34084	No
65	GOM_NL__2PRFIN20080906_060635_000000532071_00463_34084_3361.N1	06-SEP-2008 06:06:35	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	34084	No
66	GOM_NL__2PRFIN20080906_060911_000000462071_00463_34084_3362.N1	06-SEP-2008 06:09:11	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	34084	No
67	GOM_NL__2PRFIN20080906_061036_000000462071_00463_34084_3363.N1	06-SEP-2008 06:10:36	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	34084	No
68	GOM_NL__2PRFIN20080906_061436_000000392071_00463_34084_3364.N1	06-SEP-2008 06:14:36	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34084	No
69	GOM_NL__2PRFIN20080906_061549_000000552071_00463_34084_3365.N1	06-SEP-2008 06:15:49	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34084	No
70	GOM_NL__2PRFIN20080906_062613_000000402071_00464_34085_3401.N1	06-SEP-2008 06:26:13	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34085	No
71	GOM_NL__2PRFIN20080906_062734_000000422071_00464_34085_3402.N1	06-SEP-2008 06:27:34	Dark	41.500	9	Alp Eri	0.45300	24000.	83	34085	No
72	GOM_NL__2PRFIN20080906_063437_000000522071_00464_34085_3403.N1	06-SEP-2008 06:34:37	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	34085	No
73	GOM_NL__2PRFIN20080906_063913_000000462071_00464_34085_3404.N1	06-SEP-2008 06:39:13	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	34085	No
74	GOM_NL__2PRFIN20080906_064353_000000392071_00464_34085_3405.N1	06-SEP-2008 06:43:53	Bright	38.500	142	49Del Cap	2.8500	8900.0	77	34085	No
75	GOM_NL__2PRFIN20080906_064659_000000372071_00464_34085_3406.N1	06-SEP-2008 06:46:59	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	34085	No
76	GOM_NL__2PRFIN20080906_064819_000000382071_00464_34085_3407.N1	06-SEP-2008 06:48:19	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34085	No
77	GOM_NL__2PRFIN20080906_065117_000000382071_00464_34085_3408.N1	06-SEP-2008 06:51:17	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34085	No
78	GOM_NL__2PRFIN20080906_065751_000000422071_00464_34085_3409.N1	06-SEP-2008 06:57:51	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	34085	No
79	GOM_NL__2PRFIN20080906_070147_000000172071_00464_34085_3410.N1	06-SEP-2008 07:01:47	Bright	16.500	19	50Alp Cyg	1.2460	10500.	33	34085	No
80	GOM_NL__2PRFIN20080906_070613_000000352071_00464_34085_3411.N1	06-SEP-2008 07:06:13	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	34085	No
81	GOM_NL__2PRFIN20080906_071356_000000372071_00464_34085_3412.N1	06-SEP-2008 07:13:56	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34085	No
82	GOM_NL__2PRFIN20080906_073106_000000572071_00464_34085_3413.N1	06-SEP-2008 07:31:06	Bright	57.000	24	66Alp Gem	1.5800	10200.	114	34085	No
83	GOM_NL__2PRFIN20080906_073905_000000452071_00464_34085_3414.N1	06-SEP-2008 07:39:05	Twilight	44.500	8	10Alp CMi	0.40000	6500.0	89	34085	No
84	GOM_NL__2PRFIN20080906_074711_000000552071_00464_34085_3415.N1	06-SEP-2008 07:47:11	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	34085	No
85	GOM_NL__2PRFIN20080906_074948_000000432071_00464_34085_3416.N1	06-SEP-2008 07:49:48	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	34085	No
86	GOM_NL__2PRFIN20080906_075112_000000452071_00464_34085_3417.N1	06-SEP-2008 07:51:12	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	34085	No
87	GOM_NL__2PRFIN20080906_075512_000000402071_00464_34085_3418.N1	06-SEP-2008 07:55:12	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34085	No
88	GOM_NL__2PRFIN20080906_075625_000000492071_00464_34085_3419.N1	06-SEP-2008 07:56:25	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	34085	No
89	GOM_NL__2PRFIN20080906_080649_000000392071_00465_34086_3465.N1	06-SEP-2008 08:06:49	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34086	No
90	GOM_NL__2PRFIN20080906_080810_000000422071_00465_34086_3466.N1	06-SEP-2008 08:08:10	Dark	42.000	9	Alp Eri	0.45300	24000.	84	34086	No
91	GOM_NL__2PRFIN20080906_081513_000000452071_00465_34086_3467.N1	06-SEP-2008 08:15:13	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34086	No
92	GOM_NL__2PRFIN20080906_081949_000000452071_00465_34086_3468.N1	06-SEP-2008 08:19:49	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	34086	No
93	GOM_NL__2PRFIN20080906_082429_000000382071_00465_34086_3469.N1	06-SEP-2008 08:24:29	Bright	38.000	142	49Del Cap	2.8500	8900.0	76	34086	No
94	GOM_NL__2PRFIN20080906_082735_000000372071_00465_34086_3470.N1	06-SEP-2008 08:27:35	Bright	36.500	154	22Bet Aqr	2.8990	5700.0	73	34086	No
95	GOM_NL__2PRFIN20080906_082855_000000372071_00465_34086_3471.N1	06-SEP-2008 08:28:55	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34086	No
96	GOM_NL__2PRFIN20080906_083153_000000382071_00465_34086_3472.N1	06-SEP-2008 08:31:53	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34086	No
97	GOM_NL__2PRFIN20080906_083827_000000392071_00465_34086_3473.N1	06-SEP-2008 08:38:27	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	34086	No
98	GOM_NL__2PRFIN20080906_084649_000000362071_00465_34086_3474.N1	06-SEP-2008 08:46:49	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	34086	No
99	GOM_NL__2PRFIN20080906_085432_000000342071_00465_34086_3475.N1	06-SEP-2008 08:54:32	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	34086	No
100	GOM_NL__2PRFIN20080906_091142_000000402071_00465_34086_3476.N1	06-SEP-2008 09:11:42	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34086	No
101	GOM_NL__2PRFIN20080906_091941_000000472071_00465_34086_3477.N1	06-SEP-2008 09:19:41	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	34086	No

102	GOM_NL__2PRFIN20080906_092748_00000512071_00465_34086_3478.N1	06-SEP-2008 09:27:48	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	34086	No
103	GOM_NL__2PRFIN20080906_093024_00000462071_00465_34086_3479.N1	06-SEP-2008 09:30:24	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	34086	No
104	GOM_NL__2PRFIN20080906_093148_00000442071_00465_34086_3480.N1	06-SEP-2008 09:31:48	Dark	43.500	117	Pi Pup	2.7060	3800.0	87	34086	No
105	GOM_NL__2PRFIN20080906_093549_00000392071_00465_34086_3481.N1	06-SEP-2008 09:35:49	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34086	No
106	GOM_NL__2PRFIN20080906_093702_00000522071_00465_34086_3482.N1	06-SEP-2008 09:37:02	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	34086	No
107	GOM_NL__2PRFIN20080906_094726_00000402071_00466_34087_3523.N1	06-SEP-2008 09:47:26	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34087	No
108	GOM_NL__2PRFIN20080906_094847_00000482071_00466_34087_3524.N1	06-SEP-2008 09:48:47	Dark	47.500	9	Alp Eri	0.45300	24000.	95	34087	No
109	GOM_NL__2PRFIN20080906_095549_00000442071_00466_34087_3525.N1	06-SEP-2008 09:55:49	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	34087	No
110	GOM_NL__2PRFIN20080906_100025_00000442071_00466_34087_3526.N1	06-SEP-2008 10:00:25	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	34087	No
111	GOM_NL__2PRFIN20080906_100505_00000402071_00466_34087_3527.N1	06-SEP-2008 10:05:05	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	34087	No
112	GOM_NL__2PRFIN20080906_100811_00000372071_00466_34087_3528.N1	06-SEP-2008 10:08:11	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	34087	No
113	GOM_NL__2PRFIN20080906_100930_00000382071_00466_34087_3529.N1	06-SEP-2008 10:09:30	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	34087	No
114	GOM_NL__2PRFIN20080906_101229_00000382071_00466_34087_3530.N1	06-SEP-2008 10:12:29	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34087	No
115	GOM_NL__2PRFIN20080906_101902_00000402071_00466_34087_3531.N1	06-SEP-2008 10:19:02	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	34087	No
116	GOM_NL__2PRFIN20080906_102725_00000362071_00466_34087_3532.N1	06-SEP-2008 10:27:25	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	34087	No
117	GOM_NL__2PRFIN20080906_103508_00000372071_00466_34087_3533.N1	06-SEP-2008 10:35:08	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34087	No
118	GOM_NL__2PRFIN20080906_105218_00000402071_00466_34087_3534.N1	06-SEP-2008 10:52:18	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34087	No
119	GOM_NL__2PRFIN20080906_110017_00000542071_00466_34087_3535.N1	06-SEP-2008 11:00:17	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	34087	No
120	GOM_NL__2PRFIN20080906_110825_00000542071_00466_34087_3536.N1	06-SEP-2008 11:08:25	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	34087	No
121	GOM_NL__2PRFIN20080906_111101_00000482071_00466_34087_3537.N1	06-SEP-2008 11:11:01	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	34087	No
122	GOM_NL__2PRFIN20080906_111225_00000462071_00466_34087_3538.N1	06-SEP-2008 11:12:25	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	34087	No
123	GOM_NL__2PRFIN20080906_111625_00000392071_00466_34087_3539.N1	06-SEP-2008 11:16:25	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34087	No
124	GOM_NL__2PRFIN20080906_111738_00000452071_00466_34087_3540.N1	06-SEP-2008 11:17:38	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	34087	No
125	GOM_NL__2PRFIN20080906_112802_00000382071_00467_34088_3544.N1	06-SEP-2008 11:28:02	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34088	No
126	GOM_NL__2PRFIN20080906_112923_00000462071_00467_34088_3545.N1	06-SEP-2008 11:29:23	Dark	45.500	9	Alp Eri	0.45300	24000.	91	34088	No
127	GOM_NL__2PRFIN20080906_113625_00000432071_00467_34088_3546.N1	06-SEP-2008 11:36:25	Straylight	43.000	63	Bet Gru	2.1500	2800.0	86	34088	No
128	GOM_NL__2PRFIN20080906_114101_00000452071_00467_34088_3547.N1	06-SEP-2008 11:41:01	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	34088	No
129	GOM_NL__2PRFIN20080906_114541_00000392071_00467_34088_3548.N1	06-SEP-2008 11:45:41	Bright	39.000	142	49Del Cap	2.8500	8900.0	78	34088	No
130	GOM_NL__2PRFIN20080906_114847_00000372071_00467_34088_3549.N1	06-SEP-2008 11:48:47	Bright	36.500	154	22Bet Aqr	2.8990	5700.0	73	34088	No
131	GOM_NL__2PRFIN20080906_115006_00000382071_00467_34088_3550.N1	06-SEP-2008 11:50:06	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34088	No
132	GOM_NL__2PRFIN20080906_115305_00000382071_00467_34088_3551.N1	06-SEP-2008 11:53:05	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34088	No
133	GOM_NL__2PRFIN20080906_115938_00000412071_00467_34088_3552.N1	06-SEP-2008 11:59:38	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34088	No
134	GOM_NL__2PRFIN20080906_120801_00000372071_00467_34088_3553.N1	06-SEP-2008 12:08:01	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	34088	No
135	GOM_NL__2PRFIN20080906_121544_00000362071_00467_34088_3554.N1	06-SEP-2008 12:15:44	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34088	No
136	GOM_NL__2PRFIN20080906_123254_00000402071_00467_34088_3555.N1	06-SEP-2008 12:32:54	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	34088	No
137	GOM_NL__2PRFIN20080906_124054_00000522071_00467_34088_3556.N1	06-SEP-2008 12:40:54	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	34088	No
138	GOM_NL__2PRFIN20080906_124901_00000492071_00467_34088_3557.N1	06-SEP-2008 12:49:01	Dark	49.000	1	9Alp CMa	-1.4400	11000.	98	34088	No
139	GOM_NL__2PRFIN20080906_125030_00000392071_00467_34088_3558.N1	06-SEP-2008 12:50:30	Dark	39.000	47	2Bet CMa	1.9760	28000.	78	34088	No
140	GOM_NL__2PRFIN20080906_125137_00000462071_00467_34088_3559.N1	06-SEP-2008 12:51:37	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	34088	No
141	GOM_NL__2PRFIN20080906_125301_00000452071_00467_34088_3560.N1	06-SEP-2008 12:53:01	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	34088	No
142	GOM_NL__2PRFIN20080906_125702_00000392071_00467_34088_3561.N1	06-SEP-2008 12:57:02	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	34088	No
143	GOM_NL__2PRFIN20080906_125815_00000532071_00467_34088_3562.N1	06-SEP-2008 12:58:15	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	34088	No
144	GOM_NL__2PRFIN20080906_130839_00000402071_00468_34089_3567.N1	06-SEP-2008 13:08:39	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34089	No
145	GOM_NL__2PRFIN20080906_131000_00000452071_00468_34089_3568.N1	06-SEP-2008 13:10:00	Dark	44.500	9	Alp Eri	0.45300	24000.	89	34089	No
146	GOM_NL__2PRFIN20080906_131701_00000472071_00468_34089_3569.N1	06-SEP-2008 13:17:01	Straylight	47.000	63	Bet Gru	2.1500	2800.0	94	34089	No
147	GOM_NL__2PRFIN20080906_132137_00000422071_00468_34089_3570.N1	06-SEP-2008 13:21:37	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34089	No
148	GOM_NL__2PRFIN20080906_132617_00000382071_00468_34089_3571.N1	06-SEP-2008 13:26:17	Bright	38.000	142	49Del Cap	2.8500	8900.0	76	34089	No
149	GOM_NL__2PRFIN20080906_132923_00000382071_00468_34089_3572.N1	06-SEP-2008 13:29:23	Bright	37.500	154	22Bet Aqr	2.8990	5700.0	75	34089	No
150	GOM_NL__2PRFIN20080906_133042_00000382071_00468_34089_3573.N1	06-SEP-2008 13:30:42	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	34089	No
151	GOM_NL__2PRFIN20080906_133341_00000382071_00468_34089_3574.N1	06-SEP-2008 13:33:41	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34089	No
152	GOM_NL__2PRFIN20080906_134013_00000392071_00468_34089_3575.N1	06-SEP-2008 13:40:13	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	34089	No
153	GOM_NL__2PRFIN20080906_134836_00000362071_00468_34089_3576.N1	06-SEP-2008 13:48:36	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34089	No
154	GOM_NL__2PRFIN20080906_135620_00000362071_00468_34089_3577.N1	06-SEP-2008 13:56:20	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34089	No
155	GOM_NL__2PRFIN20080906_141330_00000392071_00468_34089_3578.N1	06-SEP-2008 14:13:30	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	34089	No
156	GOM_NL__2PRFIN20080906_142130_00000482071_00468_34089_3579.N1	06-SEP-2008 14:21:30	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	34089	No
157	GOM_NL__2PRFIN20080906_142938_00000522071_00468_34089_3580.N1	06-SEP-2008 14:29:38	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	34089	No
158	GOM_NL__2PRFIN20080906_143107_00000392071_00468_34089_3581.N1	06-SEP-2008 14:31:07	Dark	39.000	47	2Bet CMa	1.9760	28000.	78	34089	No
159	GOM_NL__2PRFIN20080906_143214_00000452071_00468_34089_3582.N1	06-SEP-2008 14:32:14	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	34089	No
160	GOM_NL__2PRFIN20080906_143338_00000402071_00468_34089_3583.N1	06-SEP-2008 14:33:38	Dark	39.500	117	Pi Pup	2.7060	3800.0	79	34089	No

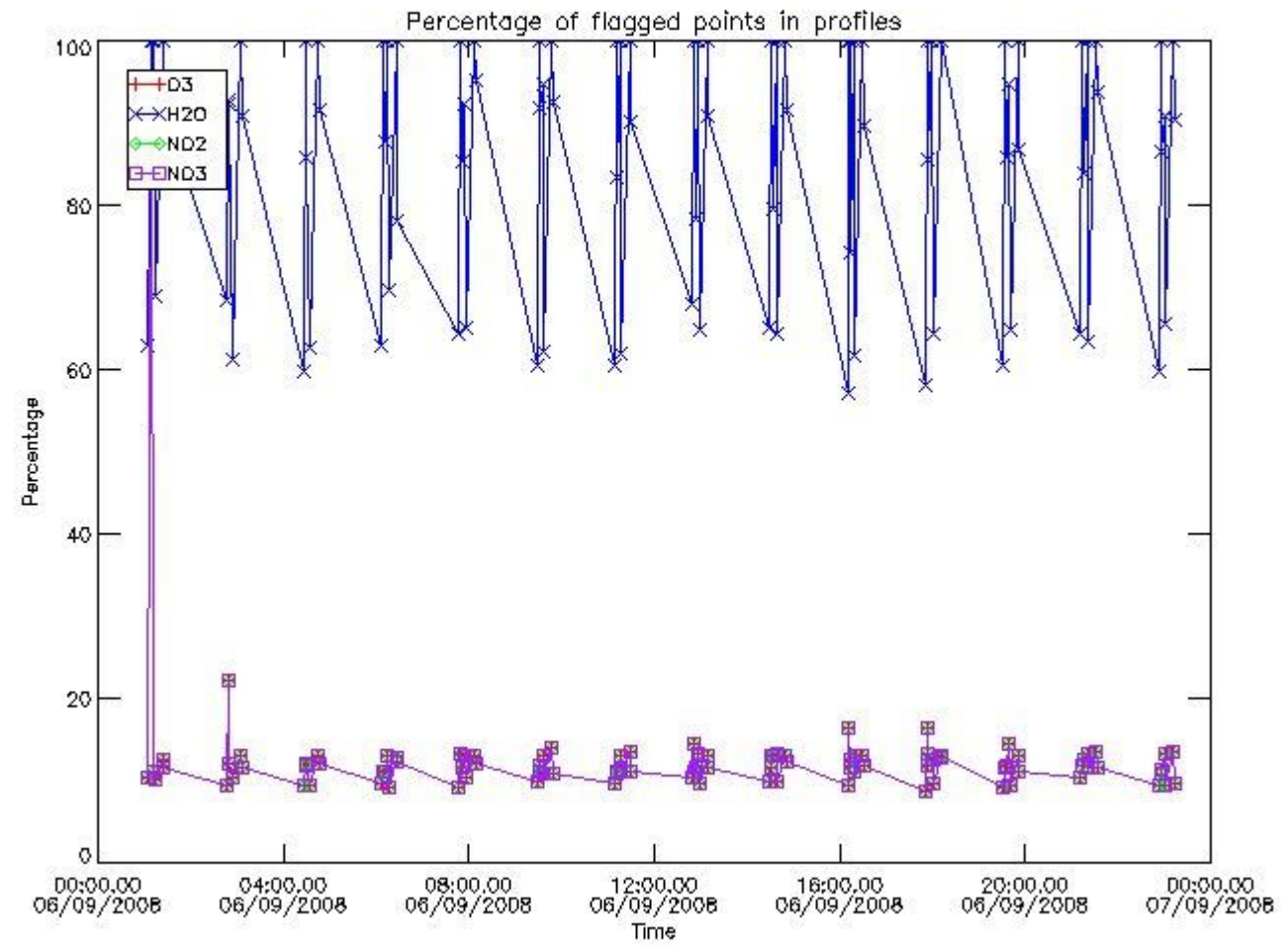
161	GOM_NL__2PRFIN20080906_143738_000000392071_00468_34089_3584.N1	06-SEP-2008 14:37:38	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	34089	No
162	GOM_NL__2PRFIN20080906_143851_000000512071_00468_34089_3585.N1	06-SEP-2008 14:38:51	Dark	51.000	2	Alp Car	-0.73600	7000.0	102	34089	No
163	GOM_NL__2PRFIN20080906_144915_000000392071_00469_34090_3585.N1	06-SEP-2008 14:49:15	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34090	No
164	GOM_NL__2PRFIN20080906_145036_000000422071_00469_34090_3586.N1	06-SEP-2008 14:50:36	Dark	41.500	9	Alp Eri	0.45300	24000.	83	34090	No
165	GOM_NL__2PRFIN20080906_145737_000000452071_00469_34090_3587.N1	06-SEP-2008 14:57:37	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34090	No
166	GOM_NL__2PRFIN20080906_150214_000000462071_00469_34090_3588.N1	06-SEP-2008 15:02:14	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	34090	No
167	GOM_NL__2PRFIN20080906_150653_000000392071_00469_34090_3589.N1	06-SEP-2008 15:06:53	Bright	39.000	142	49Del Cap	2.8500	8900.0	78	34090	No
168	GOM_NL__2PRFIN20080906_150959_000000372071_00469_34090_3590.N1	06-SEP-2008 15:09:59	Bright	36.500	154	22Bet Aqr	2.8990	5700.0	73	34090	No
169	GOM_NL__2PRFIN20080906_151118_000000382071_00469_34090_3591.N1	06-SEP-2008 15:11:18	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34090	No
170	GOM_NL__2PRFIN20080906_151417_000000382071_00469_34090_3592.N1	06-SEP-2008 15:14:17	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34090	No
171	GOM_NL__2PRFIN20080906_152049_000000422071_00469_34090_3593.N1	06-SEP-2008 15:20:49	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	34090	No
172	GOM_NL__2PRFIN20080906_152912_000000362071_00469_34090_3594.N1	06-SEP-2008 15:29:12	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34090	No
173	GOM_NL__2PRFIN20080906_153655_000000342071_00469_34090_3595.N1	06-SEP-2008 15:36:55	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	34090	No
174	GOM_NL__2PRFIN20080906_155406_000000572071_00469_34090_3596.N1	06-SEP-2008 15:54:06	Bright	57.000	24	66Alp Gem	1.5800	10200.	114	34090	No
175	GOM_NL__2PRFIN20080906_160206_000000572071_00469_34090_3597.N1	06-SEP-2008 16:02:06	Twilight	56.500	8	10Alp CMi	0.40000	6500.0	113	34090	No
176	GOM_NL__2PRFIN20080906_161015_000000542071_00469_34090_3598.N1	06-SEP-2008 16:10:15	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	34090	No
177	GOM_NL__2PRFIN20080906_161144_000000312071_00469_34090_3599.N1	06-SEP-2008 16:11:44	Dark	31.000	47	2Bet CMa	1.9760	28000.	62	34090	No
178	GOM_NL__2PRFIN20080906_161250_000000442071_00469_34090_3600.N1	06-SEP-2008 16:12:50	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	34090	No
179	GOM_NL__2PRFIN20080906_161414_000000412071_00469_34090_3601.N1	06-SEP-2008 16:14:14	Dark	41.000	117	Pi Pup	2.7060	3800.0	82	34090	No
180	GOM_NL__2PRFIN20080906_161814_000000402071_00469_34090_3602.N1	06-SEP-2008 16:18:14	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34090	No
181	GOM_NL__2PRFIN20080906_161928_000000502071_00469_34090_3603.N1	06-SEP-2008 16:19:28	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	34090	No
182	GOM_NL__2PRFIN20080906_162952_000000392071_00470_34091_3603.N1	06-SEP-2008 16:29:52	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34091	No
183	GOM_NL__2PRFIN20080906_163113_000000442071_00470_34091_3604.N1	06-SEP-2008 16:31:13	Dark	43.500	9	Alp Eri	0.45300	24000.	87	34091	No
184	GOM_NL__2PRFIN20080906_163814_000000442071_00470_34091_3605.N1	06-SEP-2008 16:38:14	Straylight	43.500	63	Bet Gru	2.1500	2800.0	87	34091	No
185	GOM_NL__2PRFIN20080906_164250_000000472071_00470_34091_3606.N1	06-SEP-2008 16:42:50	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	34091	No
186	GOM_NL__2PRFIN20080906_164729_000000382071_00470_34091_3607.N1	06-SEP-2008 16:47:29	Bright	38.000	142	49Del Cap	2.8500	8900.0	76	34091	No
187	GOM_NL__2PRFIN20080906_165035_000000372071_00470_34091_3608.N1	06-SEP-2008 16:50:35	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	34091	No
188	GOM_NL__2PRFIN20080906_165154_000000382071_00470_34091_3609.N1	06-SEP-2008 16:51:54	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34091	No
189	GOM_NL__2PRFIN20080906_165453_000000382071_00470_34091_3610.N1	06-SEP-2008 16:54:53	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	34091	No
190	GOM_NL__2PRFIN20080906_170124_000000572071_00470_34091_3611.N1	06-SEP-2008 17:01:24	Bright	57.000	164	44Eta Peg	2.9480	5400.0	114	34091	No
191	GOM_NL__2PRFIN20080906_170948_000000362071_00470_34091_3612.N1	06-SEP-2008 17:09:48	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	34091	No
192	GOM_NL__2PRFIN20080906_171731_000000372071_00470_34091_3613.N1	06-SEP-2008 17:17:31	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34091	No
193	GOM_NL__2PRFIN20080906_173442_000000492071_00470_34091_3614.N1	06-SEP-2008 17:34:42	Bright	49.000	24	66Alp Gem	1.5800	10200.	98	34091	No
194	GOM_NL__2PRFIN20080906_174243_000000502071_00470_34091_3615.N1	06-SEP-2008 17:42:43	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	34091	No
195	GOM_NL__2PRFIN20080906_175051_000000592071_00470_34091_3616.N1	06-SEP-2008 17:50:51	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	34091	No
196	GOM_NL__2PRFIN20080906_175221_000000312071_00470_34091_3617.N1	06-SEP-2008 17:52:21	Dark	31.000	47	2Bet CMa	1.9760	28000.	62	34091	No
197	GOM_NL__2PRFIN20080906_175327_000000432071_00470_34091_3618.N1	06-SEP-2008 17:53:27	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	34091	No
198	GOM_NL__2PRFIN20080906_175450_000000392071_00470_34091_3619.N1	06-SEP-2008 17:54:50	Dark	38.500	117	Pi Pup	2.7060	3800.0	77	34091	No
199	GOM_NL__2PRFIN20080906_175851_000000412071_00470_34091_3620.N1	06-SEP-2008 17:58:51	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	34091	No
200	GOM_NL__2PRFIN20080906_180004_000000532071_00470_34091_3621.N1	06-SEP-2008 18:00:04	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	34091	No
201	GOM_NL__2PRFIN20080906_181028_000000402071_00471_34092_3625.N1	06-SEP-2008 18:10:28	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34092	No
202	GOM_NL__2PRFIN20080906_181149_000000472071_00471_34092_3626.N1	06-SEP-2008 18:11:49	Dark	46.500	9	Alp Eri	0.45300	24000.	93	34092	No
203	GOM_NL__2PRFIN20080906_181850_000000442071_00471_34092_3627.N1	06-SEP-2008 18:18:50	Straylight	43.500	63	Bet Gru	2.1500	2800.0	87	34092	No
204	GOM_NL__2PRFIN20080906_182326_000000452071_00471_34092_3628.N1	06-SEP-2008 18:23:26	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	34092	No
205	GOM_NL__2PRFIN20080906_182806_000000392071_00471_34092_3629.N1	06-SEP-2008 18:28:06	Bright	38.500	142	49Del Cap	2.8500	8900.0	77	34092	No
206	GOM_NL__2PRFIN20080906_183111_000000382071_00471_34092_3630.N1	06-SEP-2008 18:31:11	Bright	37.500	154	22Bet Aqr	2.8990	5700.0	75	34092	No
207	GOM_NL__2PRFIN20080906_183230_000000382071_00471_34092_3631.N1	06-SEP-2008 18:32:30	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	34092	No
208	GOM_NL__2PRFIN20080906_183529_000000522071_00471_34092_3632.N1	06-SEP-2008 18:35:29	Bright	52.000	61	8Eps Peg	2.1000	3900.0	104	34092	No
209	GOM_NL__2PRFIN20080906_184200_000000402071_00471_34092_3633.N1	06-SEP-2008 18:42:00	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34092	No
210	GOM_NL__2PRFIN20080906_185024_000000342071_00471_34092_3634.N1	06-SEP-2008 18:50:24	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	34092	No
211	GOM_NL__2PRFIN20080906_185807_000000362071_00471_34092_3635.N1	06-SEP-2008 18:58:07	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34092	No
212	GOM_NL__2PRFIN20080906_191518_000000402071_00471_34092_3636.N1	06-SEP-2008 19:15:18	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	34092	No
213	GOM_NL__2PRFIN20080906_192319_000000572071_00471_34092_3637.N1	06-SEP-2008 19:23:19	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	34092	No
214	GOM_NL__2PRFIN20080906_193128_000000552071_00471_34092_3638.N1	06-SEP-2008 19:31:28	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	34092	No
215	GOM_NL__2PRFIN20080906_193403_000000442071_00471_34092_3639.N1	06-SEP-2008 19:34:03	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	34092	No
216	GOM_NL__2PRFIN20080906_193527_000000432071_00471_34092_3640.N1	06-SEP-2008 19:35:27	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	34092	No
217	GOM_NL__2PRFIN20080906_193927_000000392071_00471_34092_3641.N1	06-SEP-2008 19:39:27	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34092	No
218	GOM_NL__2PRFIN20080906_194040_000000552071_00471_34092_3642.N1	06-SEP-2008 19:40:40	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	34092	No
219	GOM_NL__2PRFIN20080906_195104_000000392071_00472_34093_3644.N1	06-SEP-2008 19:51:04	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34093	No

220	GOM_NL__2PRFIN20080906_195226_000000462071_00472_34093_3645.N1	06-SEP-2008 19:52:26	Dark	45.500	9	Alp Eri	0.45300	24000.	91	34093	No
221	GOM_NL__2PRFIN20080906_195926_000000502071_00472_34093_3646.N1	06-SEP-2008 19:59:26	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	34093	No
222	GOM_NL__2PRFIN20080906_200402_000000452071_00472_34093_3647.N1	06-SEP-2008 20:04:02	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	34093	No
223	GOM_NL__2PRFIN20080906_200842_000000402071_00472_34093_3648.N1	06-SEP-2008 20:08:42	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	34093	No
224	GOM_NL__2PRFIN20080906_201147_000000372071_00472_34093_3649.N1	06-SEP-2008 20:11:47	Bright	36.500	154	22Bet Aqr	2.8990	5700.0	73	34093	No
225	GOM_NL__2PRFIN20080906_201306_000000392071_00472_34093_3650.N1	06-SEP-2008 20:13:06	Bright	39.000	162	34Alp Aqr	2.9440	5350.0	78	34093	No
226	GOM_NL__2PRFIN20080906_201605_000000522071_00472_34093_3651.N1	06-SEP-2008 20:16:05	Bright	52.000	61	8Eps Peg	2.1000	3900.0	104	34093	No
227	GOM_NL__2PRFIN20080906_202236_000000402071_00472_34093_3652.N1	06-SEP-2008 20:22:36	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34093	No
228	GOM_NL__2PRFIN20080906_203100_000000372071_00472_34093_3653.N1	06-SEP-2008 20:31:00	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	34093	No
229	GOM_NL__2PRFIN20080906_203843_000000372071_00472_34093_3654.N1	06-SEP-2008 20:38:43	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34093	No
230	GOM_NL__2PRFIN20080906_205554_000000412071_00472_34093_3655.N1	06-SEP-2008 20:55:54	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	34093	No
231	GOM_NL__2PRFIN20080906_210355_000000532071_00472_34093_3656.N1	06-SEP-2008 21:03:55	Twilight	52.500	8	10Alp CMi	0.40000	6500.0	105	34093	No
232	GOM_NL__2PRFIN20080906_211205_000000502071_00472_34093_3657.N1	06-SEP-2008 21:12:05	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	34093	No
233	GOM_NL__2PRFIN20080906_211440_000000442071_00472_34093_3658.N1	06-SEP-2008 21:14:40	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	34093	No
234	GOM_NL__2PRFIN20080906_211603_000000412071_00472_34093_3659.N1	06-SEP-2008 21:16:03	Dark	40.500	117	Pi Pup	2.7060	3800.0	81	34093	No
235	GOM_NL__2PRFIN20080906_212003_000000392071_00472_34093_3660.N1	06-SEP-2008 21:20:03	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	34093	No
236	GOM_NL__2PRFIN20080906_212117_000000442071_00472_34093_3661.N1	06-SEP-2008 21:21:17	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	34093	No
237	GOM_NL__2PRFIN20080906_213141_000000382071_00473_34094_3660.N1	06-SEP-2008 21:31:41	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34094	No
238	GOM_NL__2PRFIN20080906_213302_000000482071_00473_34094_3661.N1	06-SEP-2008 21:33:02	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34094	No
239	GOM_NL__2PRFIN20080906_214002_000000472071_00473_34094_3662.N1	06-SEP-2008 21:40:02	Straylight	47.000	63	Bet Gru	2.1500	2800.0	94	34094	No
240	GOM_NL__2PRFIN20080906_214438_000000462071_00473_34094_3663.N1	06-SEP-2008 21:44:38	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	34094	No
241	GOM_NL__2PRFIN20080906_214918_000000392071_00473_34094_3664.N1	06-SEP-2008 21:49:18	Bright	39.000	142	49Del Cap	2.8500	8900.0	78	34094	No
242	GOM_NL__2PRFIN20080906_215223_000000372071_00473_34094_3665.N1	06-SEP-2008 21:52:23	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	34094	No
243	GOM_NL__2PRFIN20080906_215342_000000382071_00473_34094_3666.N1	06-SEP-2008 21:53:42	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34094	No
244	GOM_NL__2PRFIN20080906_215641_000000482071_00473_34094_3667.N1	06-SEP-2008 21:56:41	Bright	47.500	61	8Eps Peg	2.1000	3900.0	95	34094	No
245	GOM_NL__2PRFIN20080906_220311_000000422071_00473_34094_3668.N1	06-SEP-2008 22:03:11	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	34094	No
246	GOM_NL__2PRFIN20080906_221136_000000372071_00473_34094_3669.N1	06-SEP-2008 22:11:36	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	34094	No
247	GOM_NL__2PRFIN20080906_221919_000000382071_00473_34094_3670.N1	06-SEP-2008 22:19:19	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	34094	No
248	GOM_NL__2PRFIN20080906_223630_000000402071_00473_34094_3671.N1	06-SEP-2008 22:36:30	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34094	No
249	GOM_NL__2PRFIN20080906_224431_000000462071_00473_34094_3672.N1	06-SEP-2008 22:44:31	Twilight	45.500	8	10Alp CMi	0.40000	6500.0	91	34094	No
250	GOM_NL__2PRFIN20080906_225241_000000542071_00473_34094_3673.N1	06-SEP-2008 22:52:41	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	34094	No
251	GOM_NL__2PRFIN20080906_225516_000000482071_00473_34094_3674.N1	06-SEP-2008 22:55:16	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	34094	No
252	GOM_NL__2PRFIN20080906_225639_000000452071_00473_34094_3675.N1	06-SEP-2008 22:56:39	Dark	45.000	117	Pi Pup	2.7060	3800.0	90	34094	No
253	GOM_NL__2PRFIN20080906_230040_000000392071_00473_34094_3676.N1	06-SEP-2008 23:00:40	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	34094	No
254	GOM_NL__2PRFIN20080906_230153_000000542071_00473_34094_3677.N1	06-SEP-2008 23:01:53	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34094	No
255	GOM_NL__2PRFIN20080906_231217_000000382071_00474_34095_3672.N1	06-SEP-2008 23:12:17	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34095	No
256	GOM_NL__2PRFIN20080906_231339_000000532071_00474_34095_3673.N1	06-SEP-2008 23:13:39	Dark	52.500	9	Alp Eri	0.45300	24000.	105	34095	No
257	GOM_NL__2PRFIN20080906_232038_000000472071_00474_34095_3674.N1	06-SEP-2008 23:20:38	Straylight	47.000	63	Bet Gru	2.1500	2800.0	94	34095	No
258	GOM_NL__2PRFIN20080906_232514_000000442071_00474_34095_3675.N1	06-SEP-2008 23:25:14	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	34095	No
259	GOM_NL__2PRFIN20080906_232954_000000392071_00474_34095_3676.N1	06-SEP-2008 23:29:54	Bright	38.500	142	49Del Cap	2.8500	8900.0	77	34095	No
260	GOM_NL__2PRFIN20080906_233259_000000372071_00474_34095_3677.N1	06-SEP-2008 23:32:59	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	34095	No
261	GOM_NL__2PRFIN20080906_233418_000000392071_00474_34095_3678.N1	06-SEP-2008 23:34:18	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	34095	No
262	GOM_NL__2PRFIN20080906_233717_000000442071_00474_34095_3679.N1	06-SEP-2008 23:37:17	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	34095	No
263	GOM_NL__2PRFIN20080906_234347_000000402071_00474_34095_3680.N1	06-SEP-2008 23:43:47	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34095	No
264	GOM_NL__2PRFIN20080906_235212_000000372071_00474_34095_3681.N1	06-SEP-2008 23:52:12	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	34095	No
265	GOM_NL__2PRFIN20080906_235955_000000332071_00474_34095_3682.N1	06-SEP-2008 23:59:55	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	34095	No

3. Quality information per product

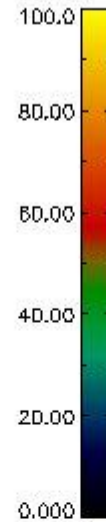
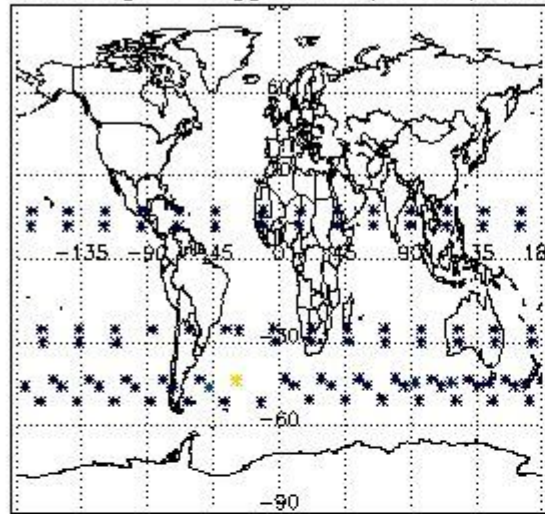
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

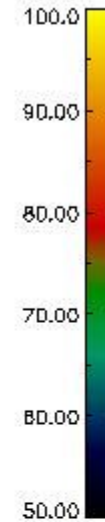
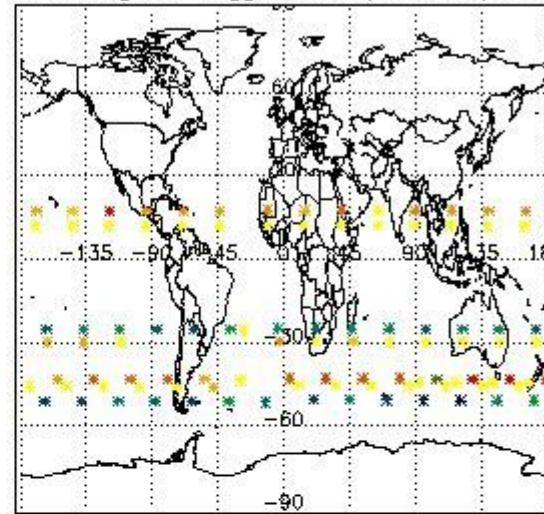


3.2 Plot quality information per product (world map)

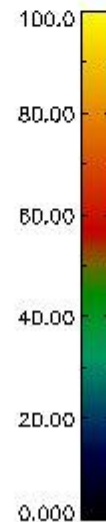
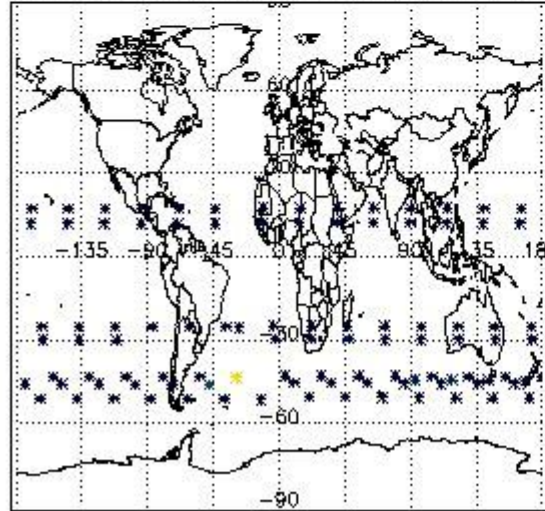
Percentage of flagged data per O3 profile



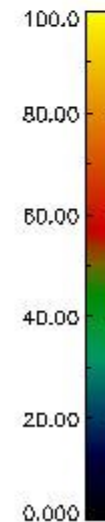
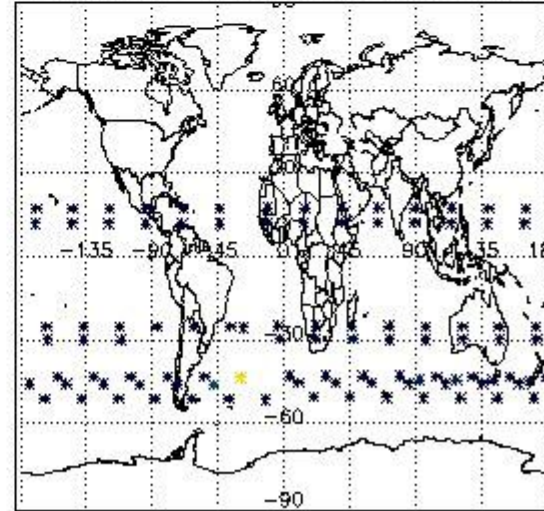
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

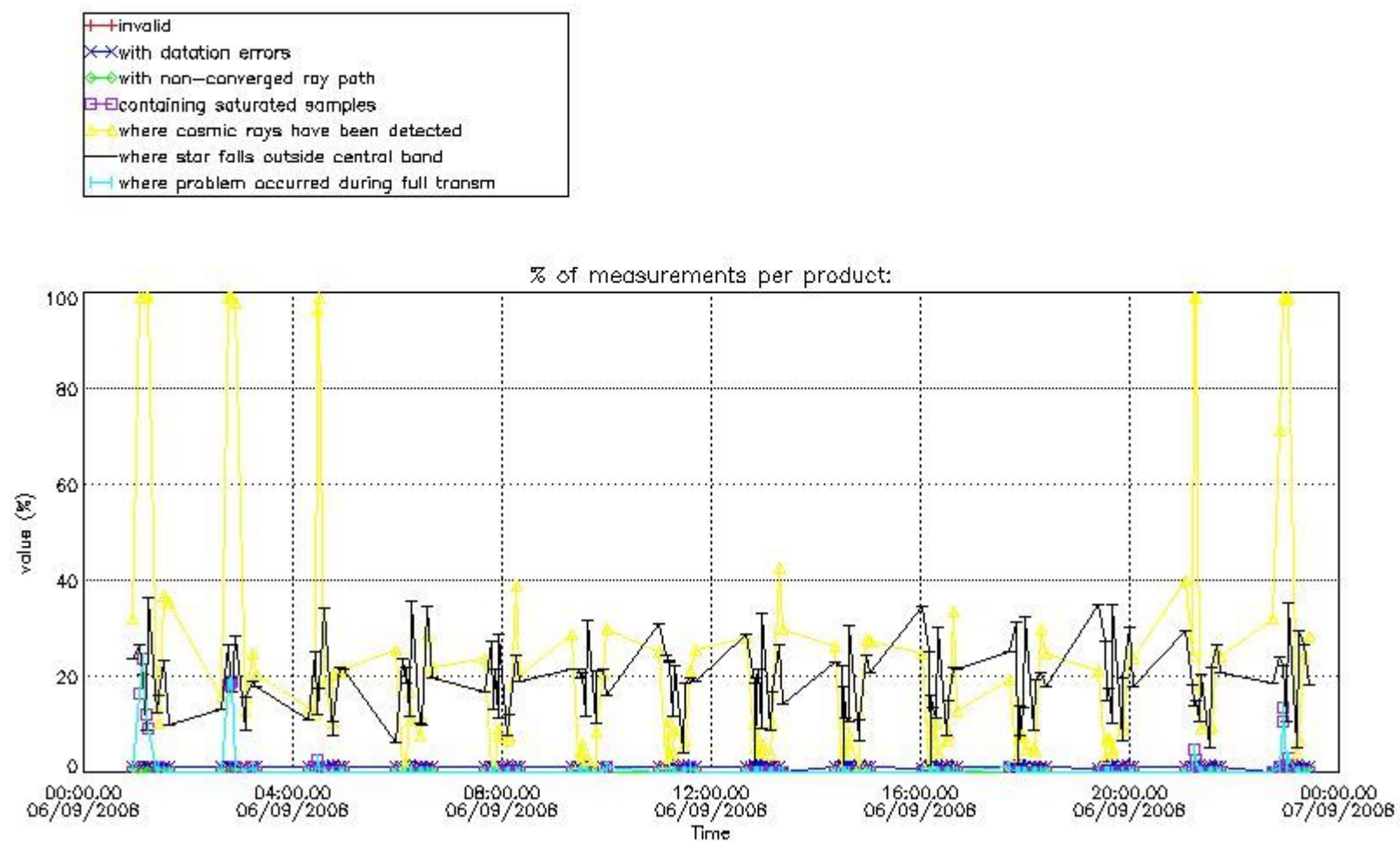


4. Level 1 quality information per product

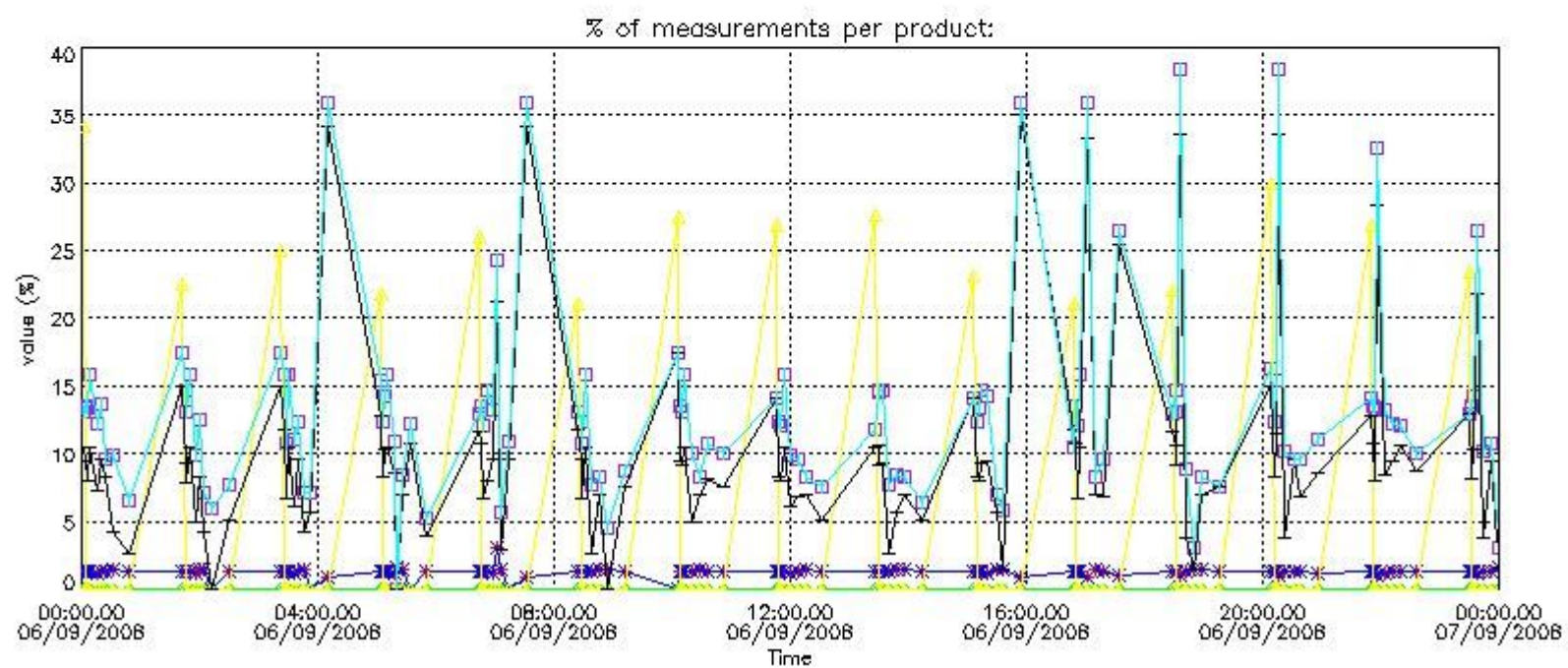
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

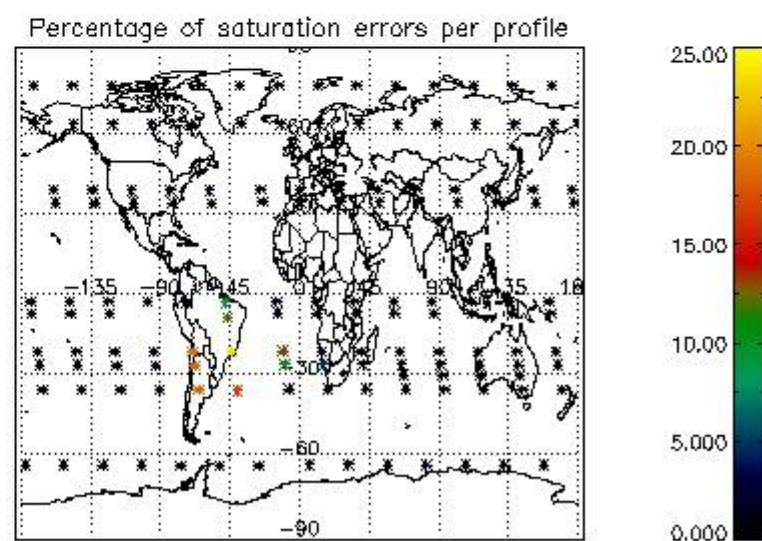
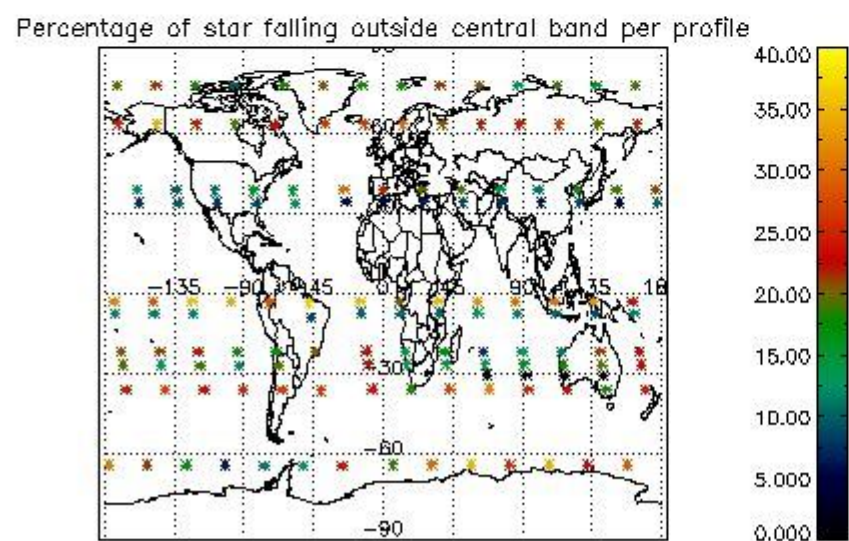
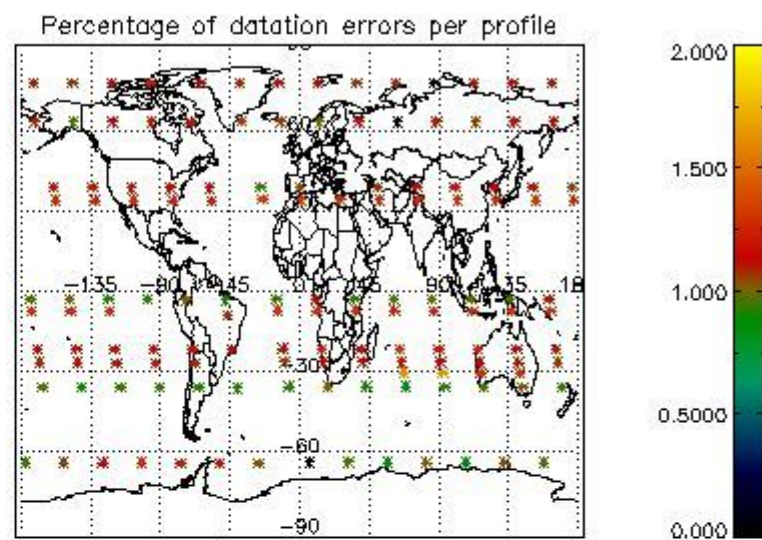
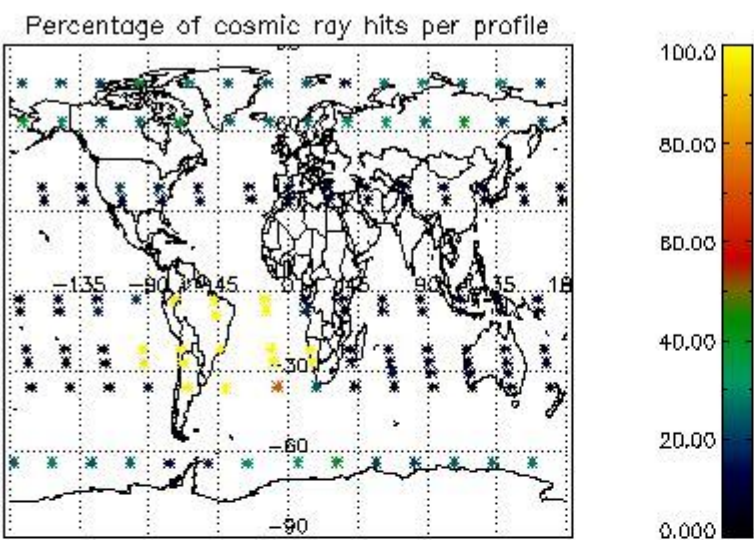


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

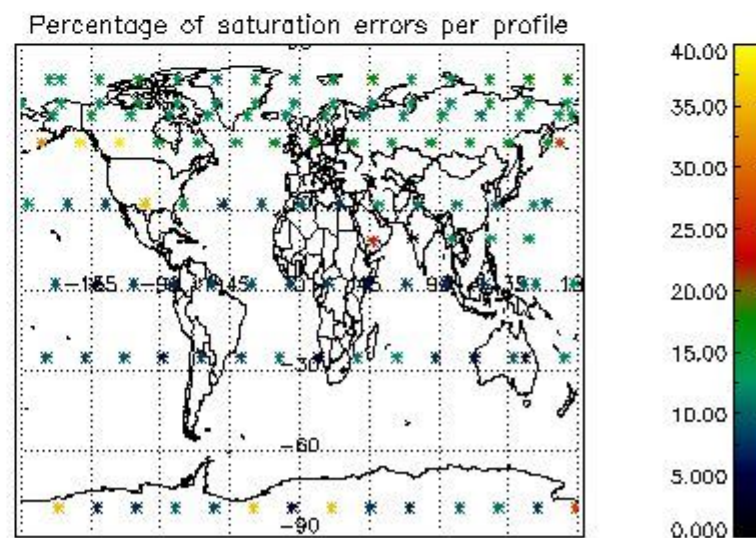
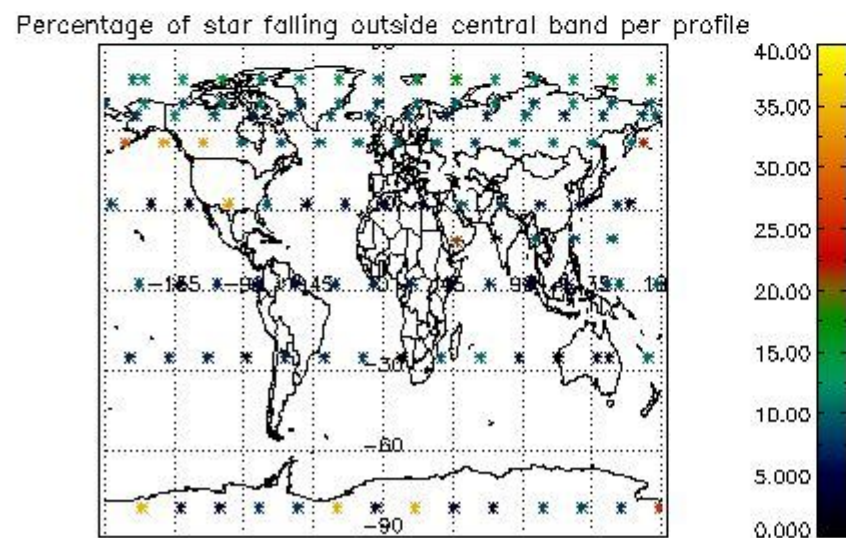
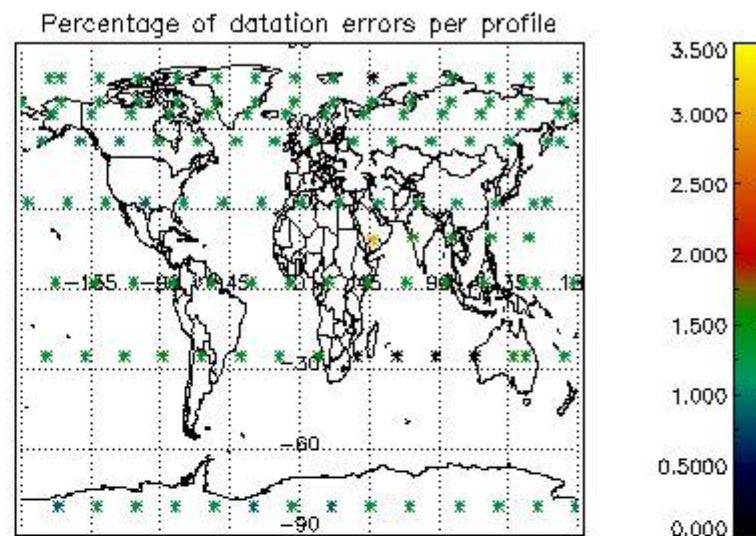
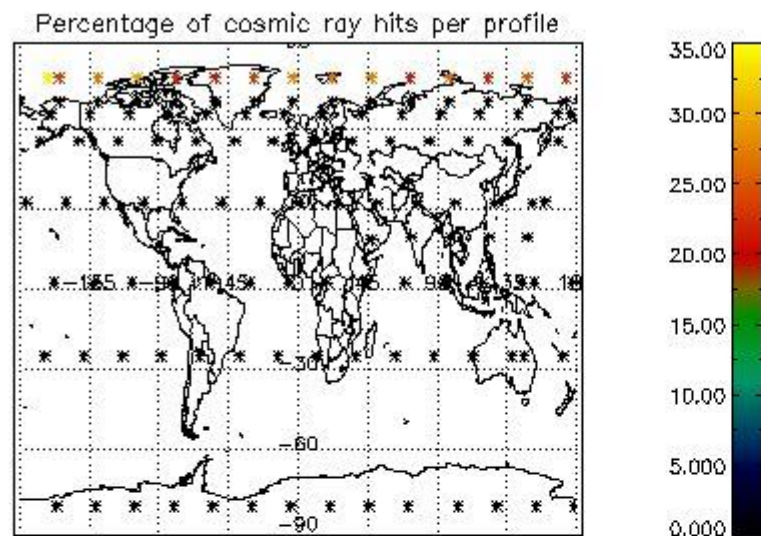


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

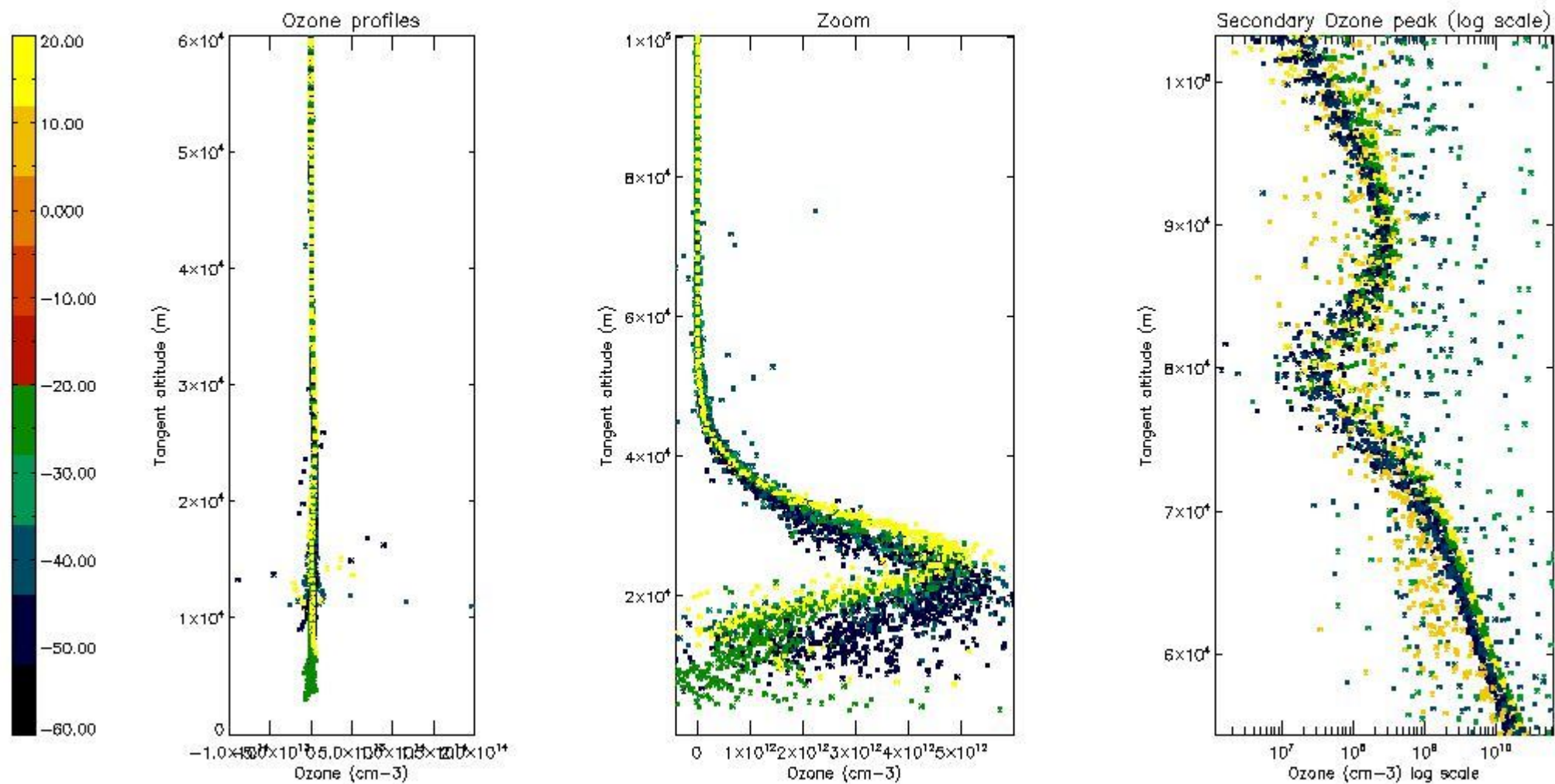
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	23

STD < 10	18
STD < 5	14

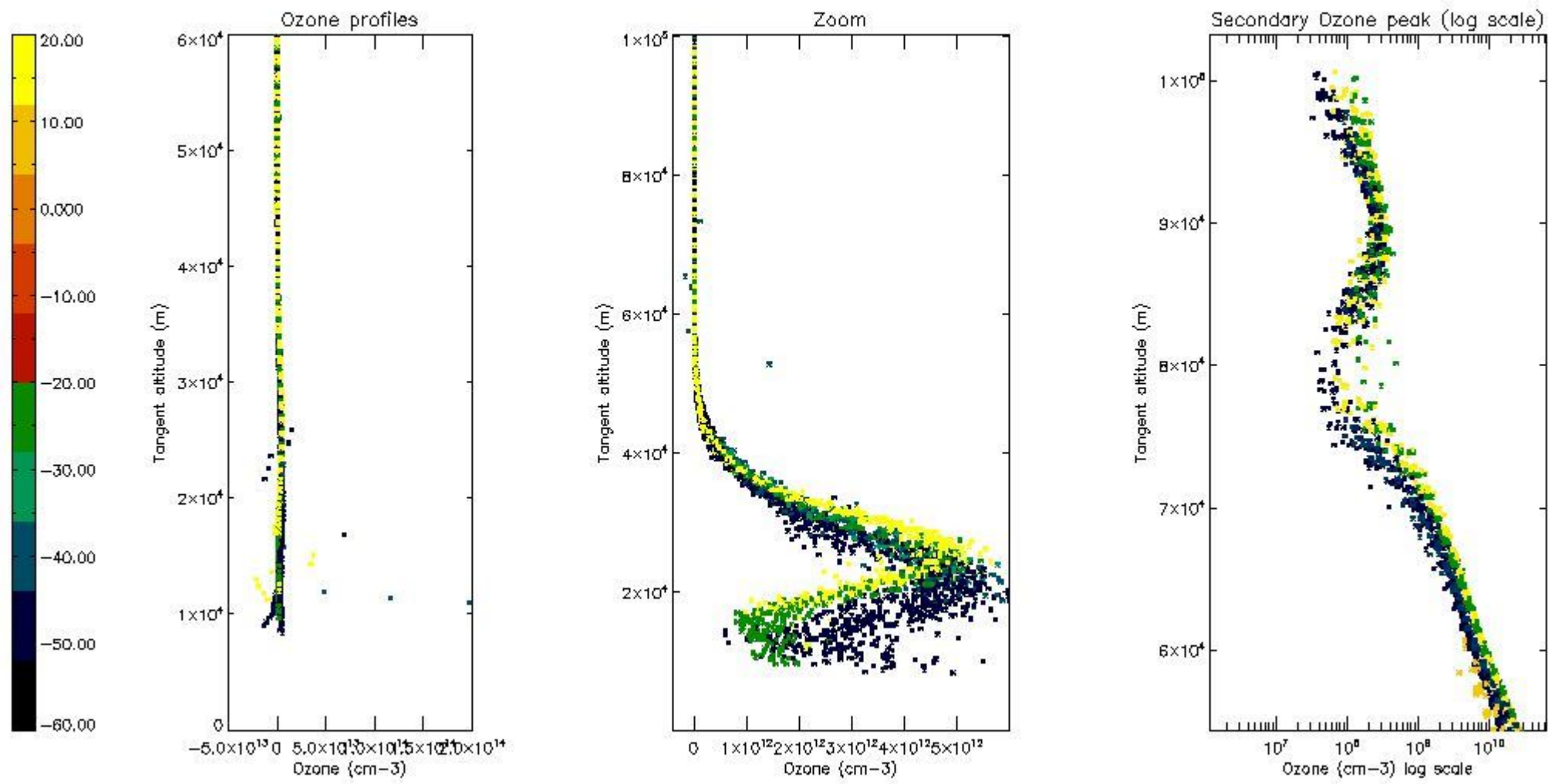
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



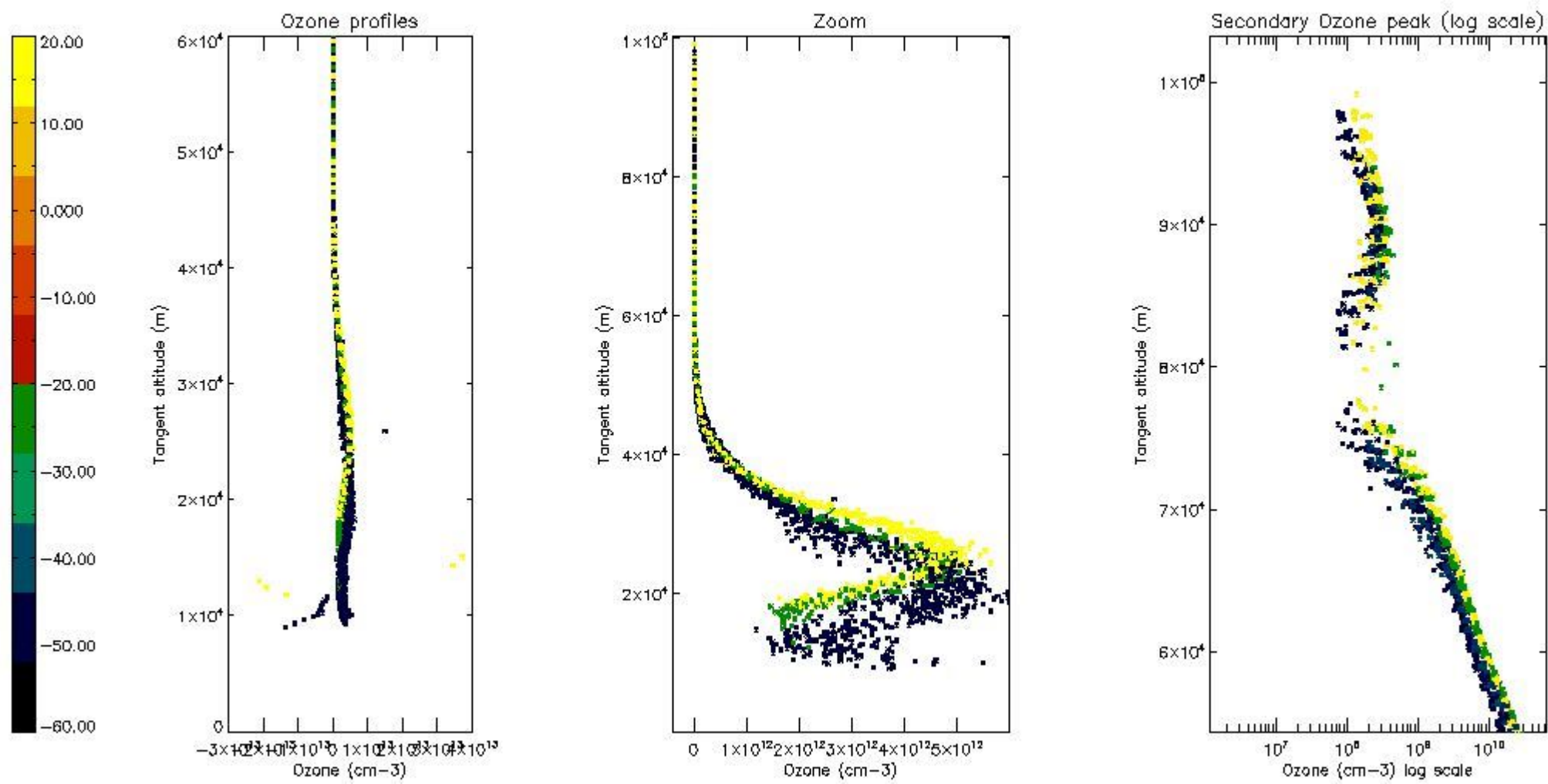
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



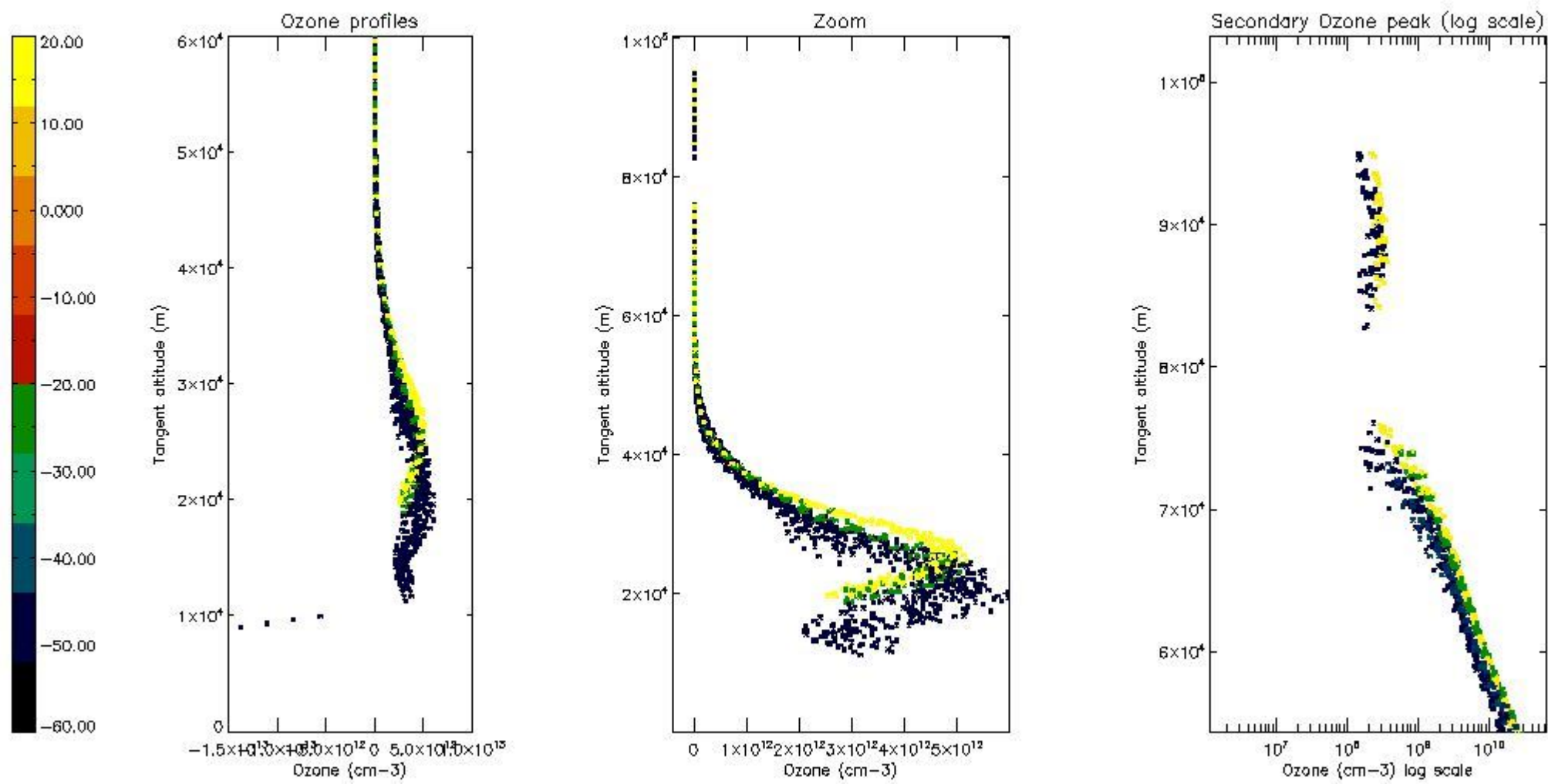
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



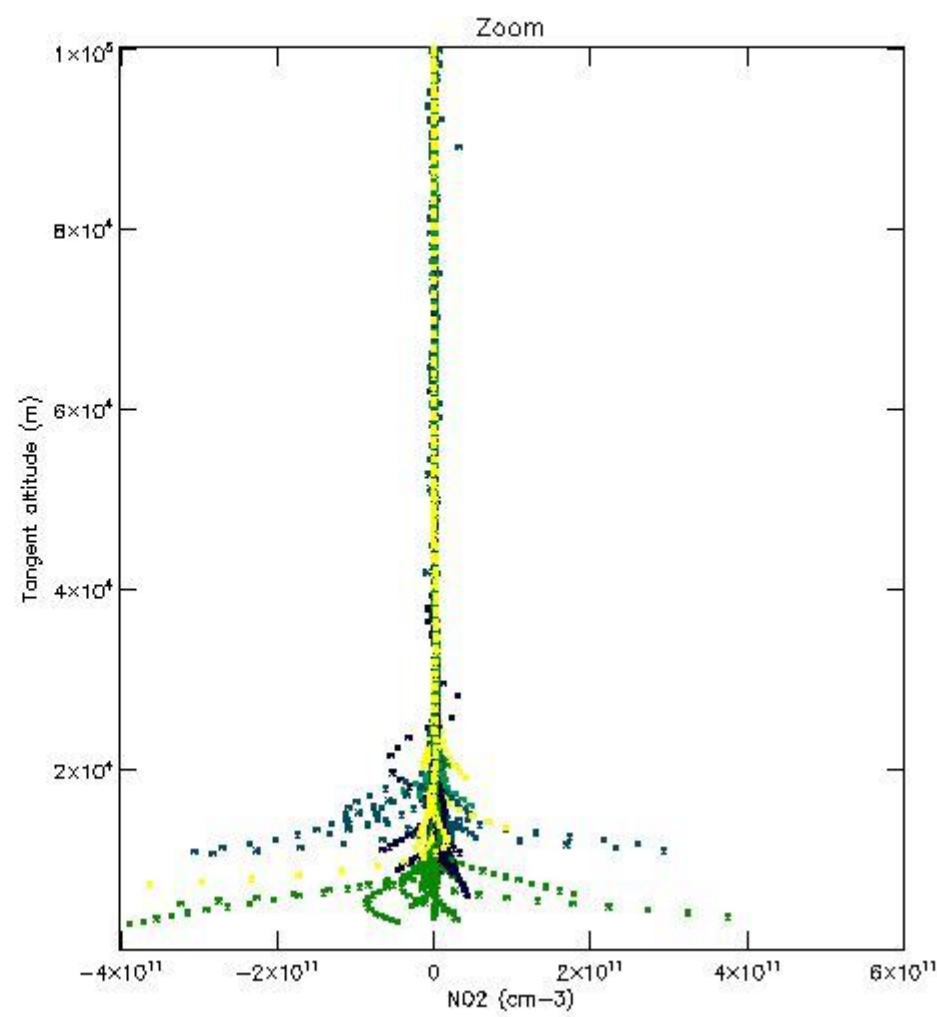
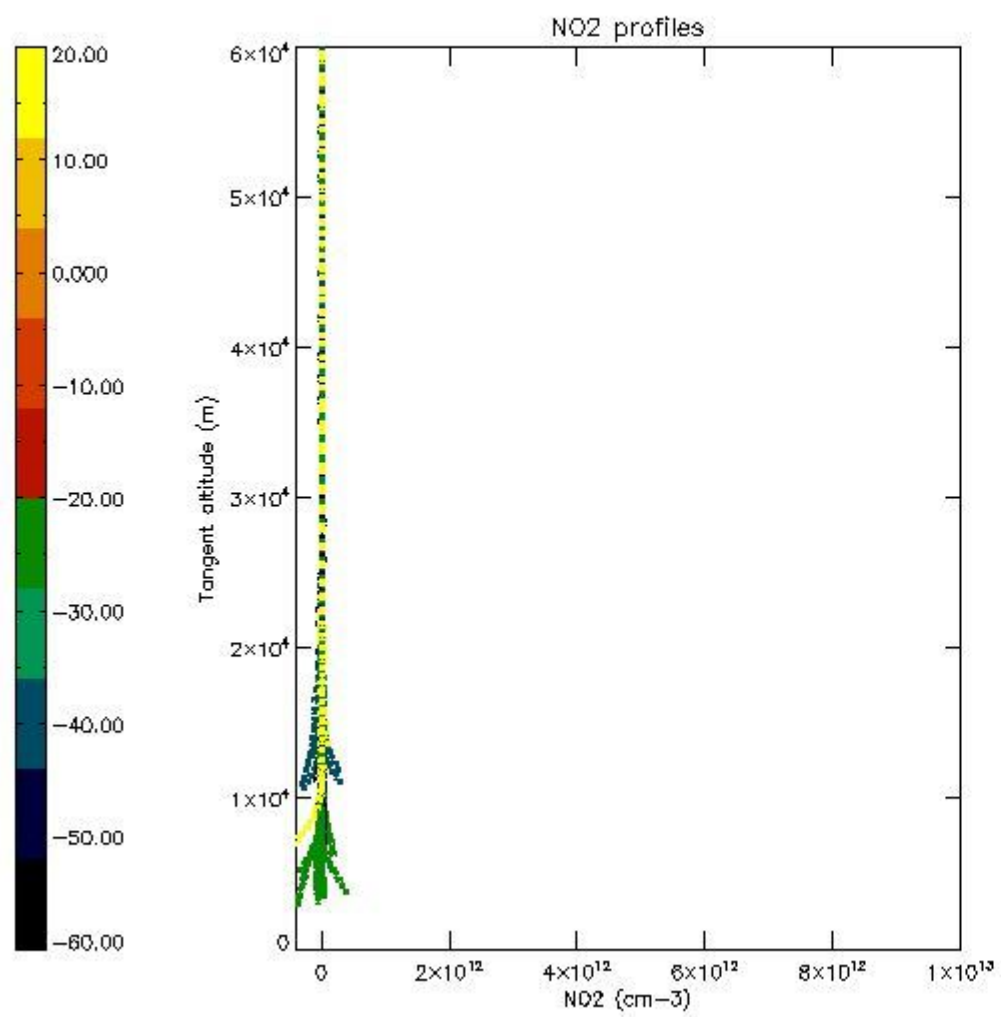
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



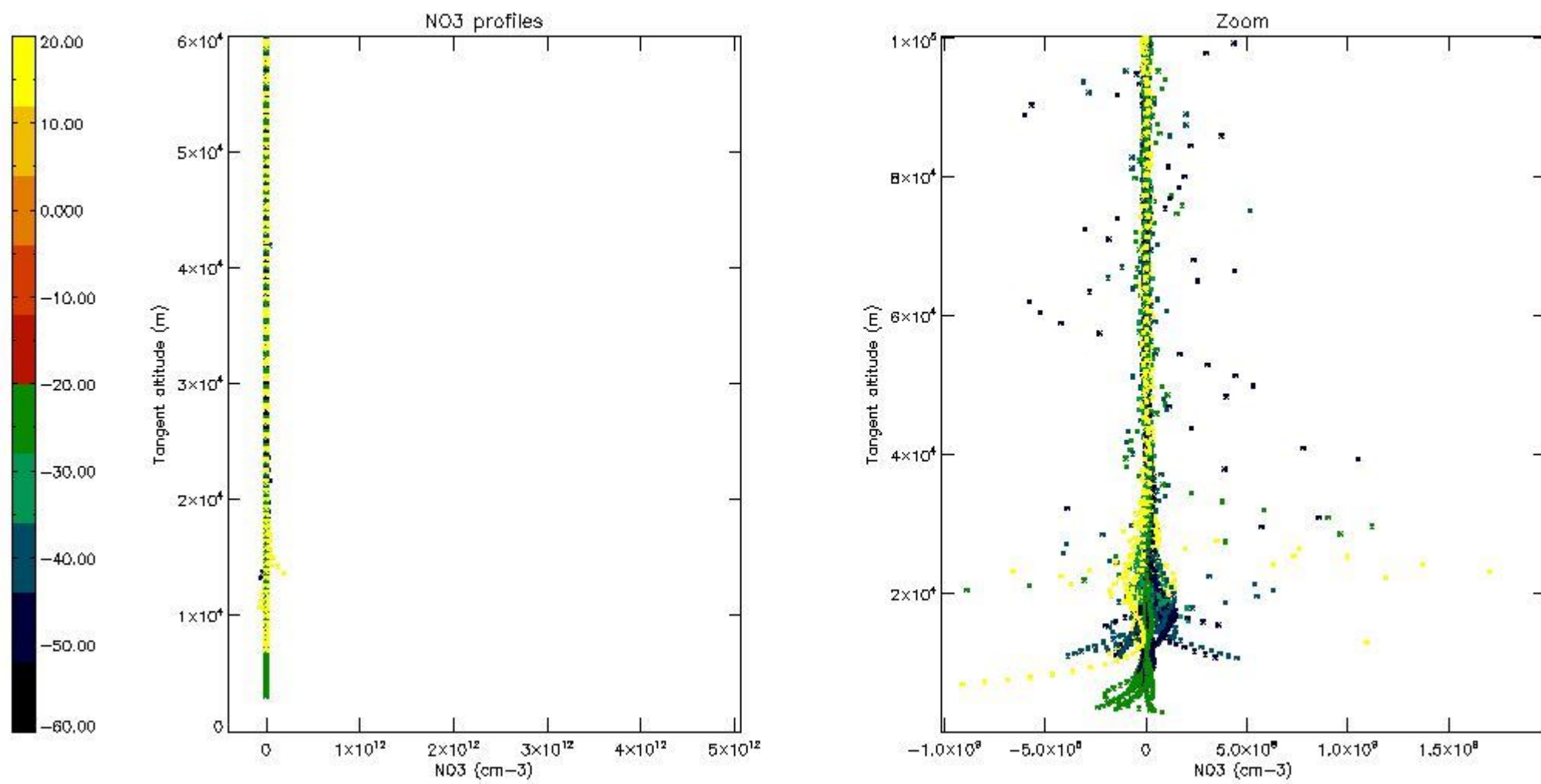
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



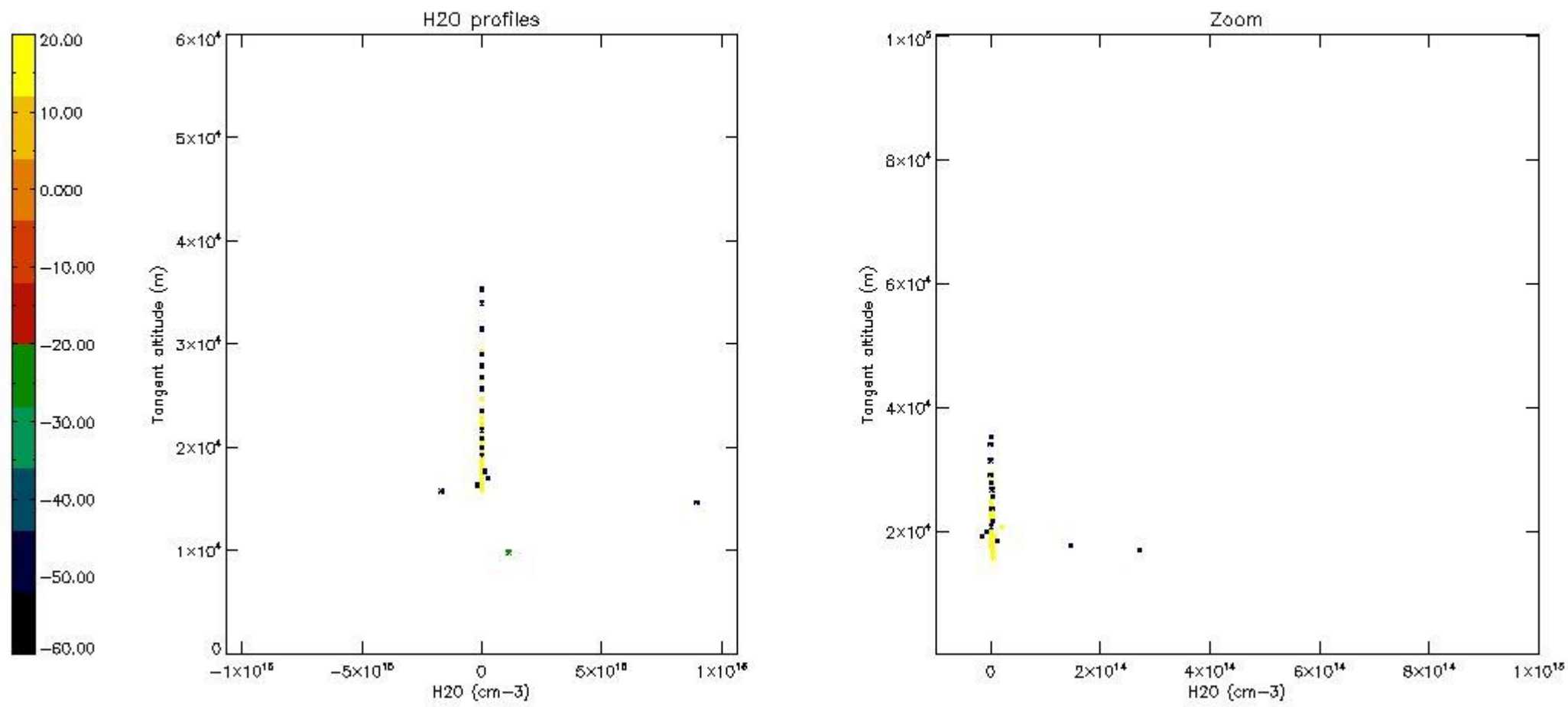
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

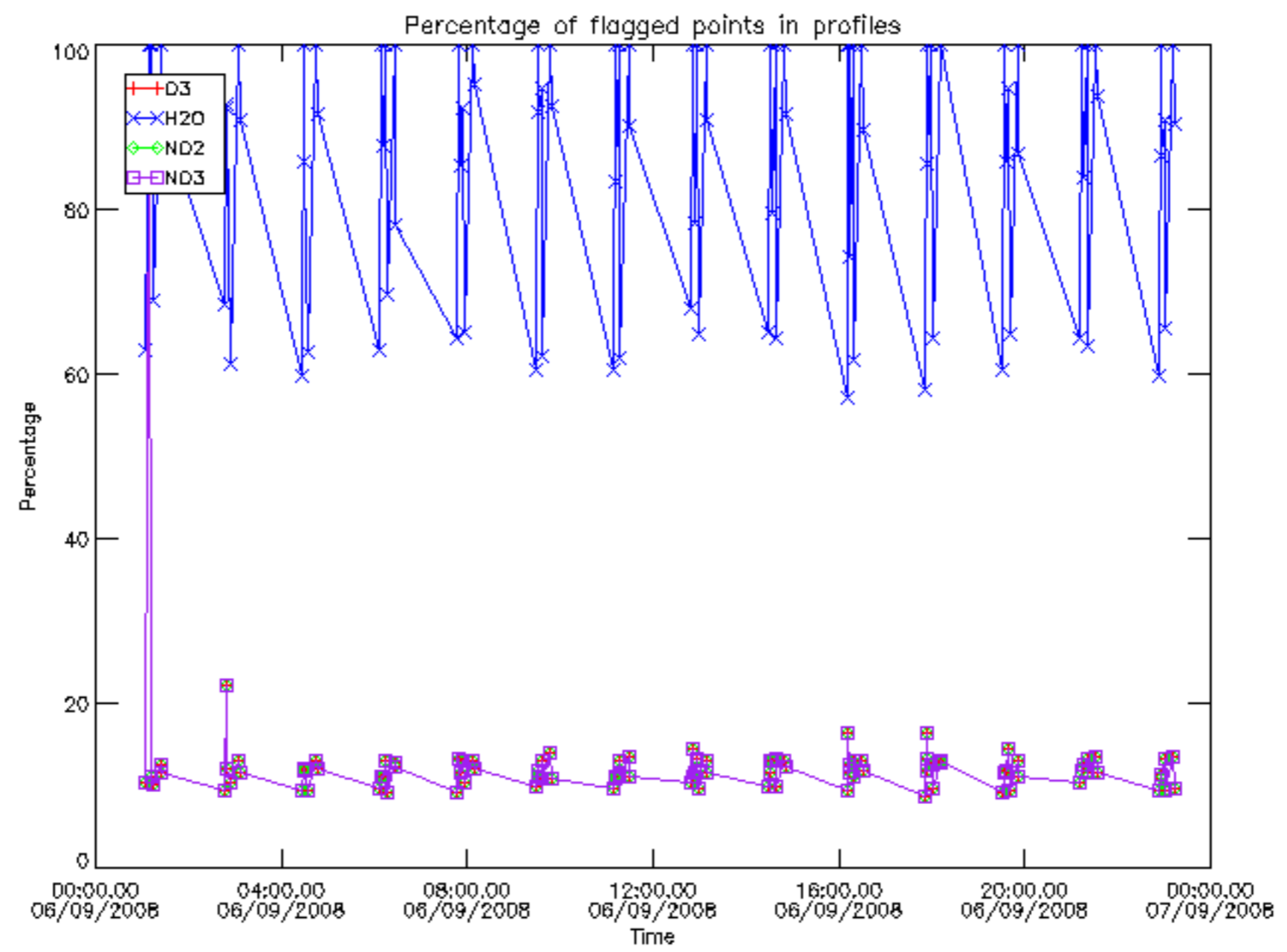
The colorbar represents the latitude.



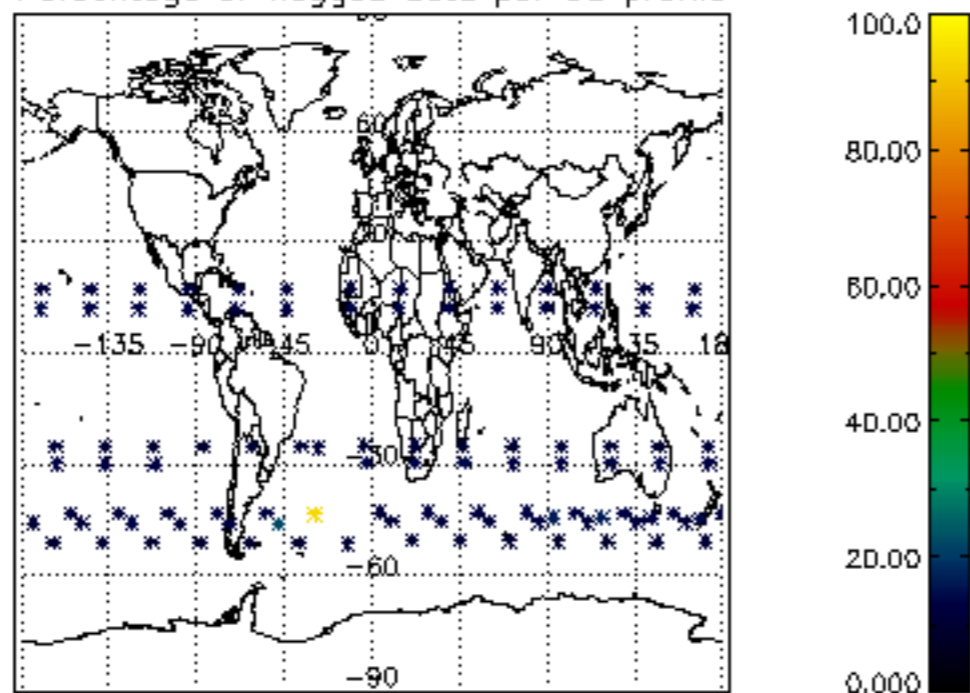
6. Auxiliary Data Files used for the production reported in section 2

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.

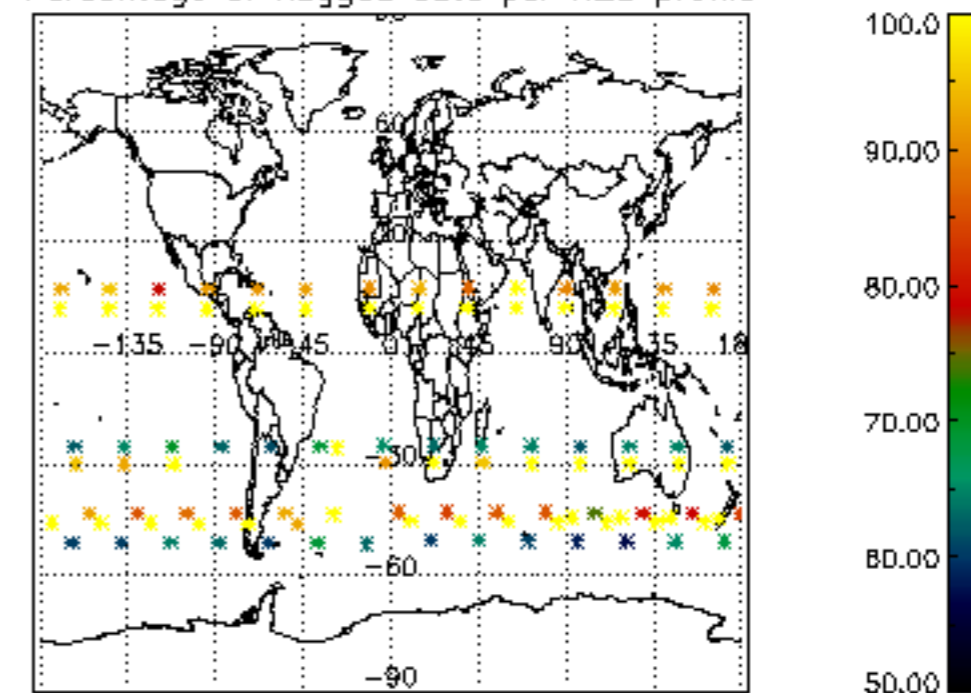
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-SEP-2008 00:01:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-SEP-2008 00:01:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-SEP-2008 00:01:29



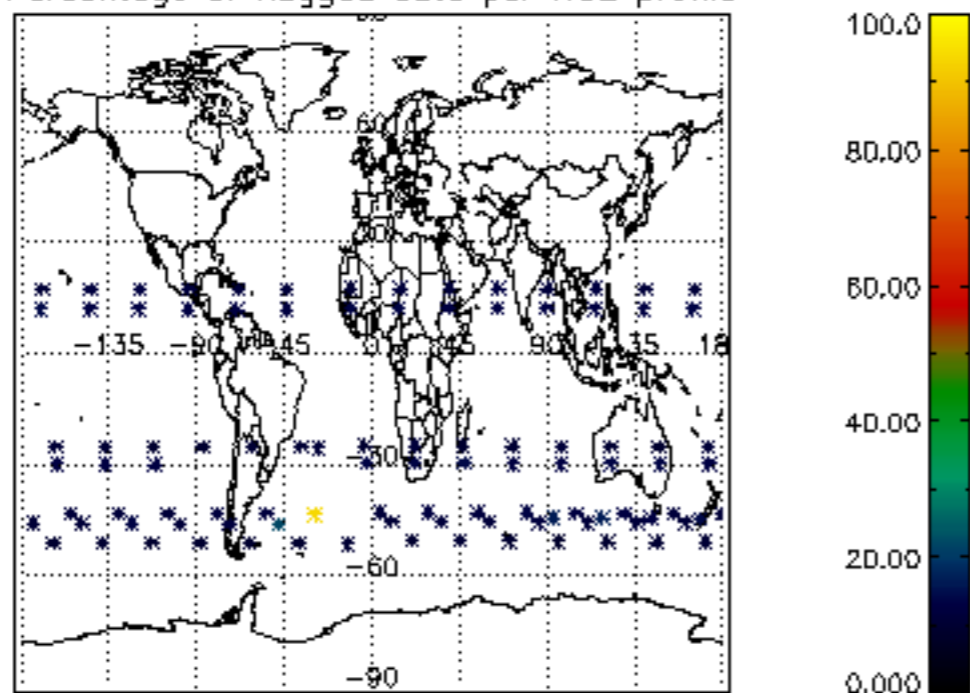
Percentage of flagged data per D3 profile



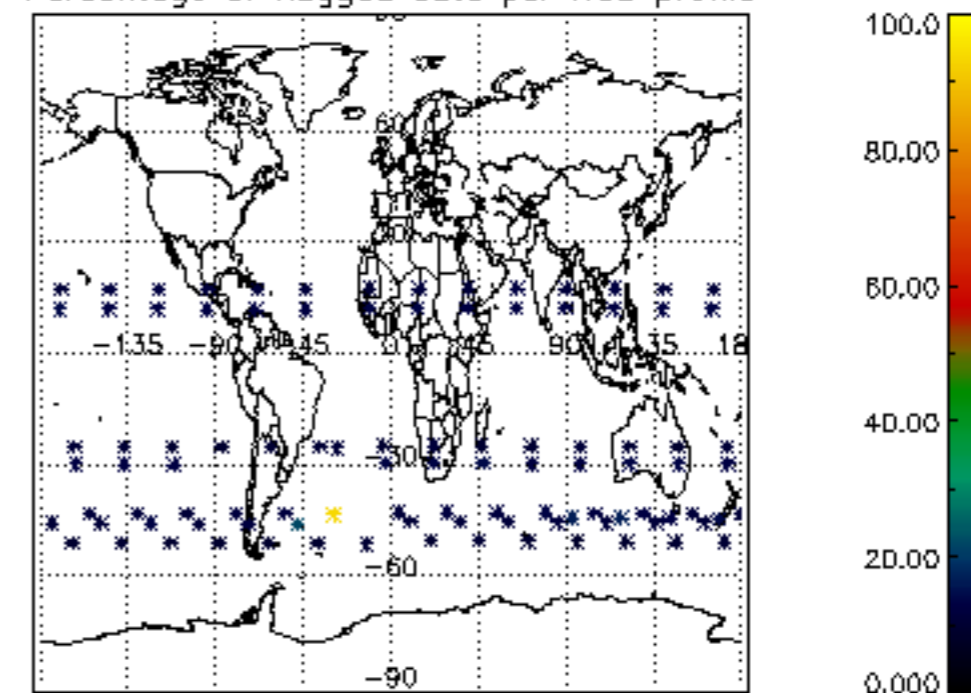
Percentage of flagged data per H2O profile

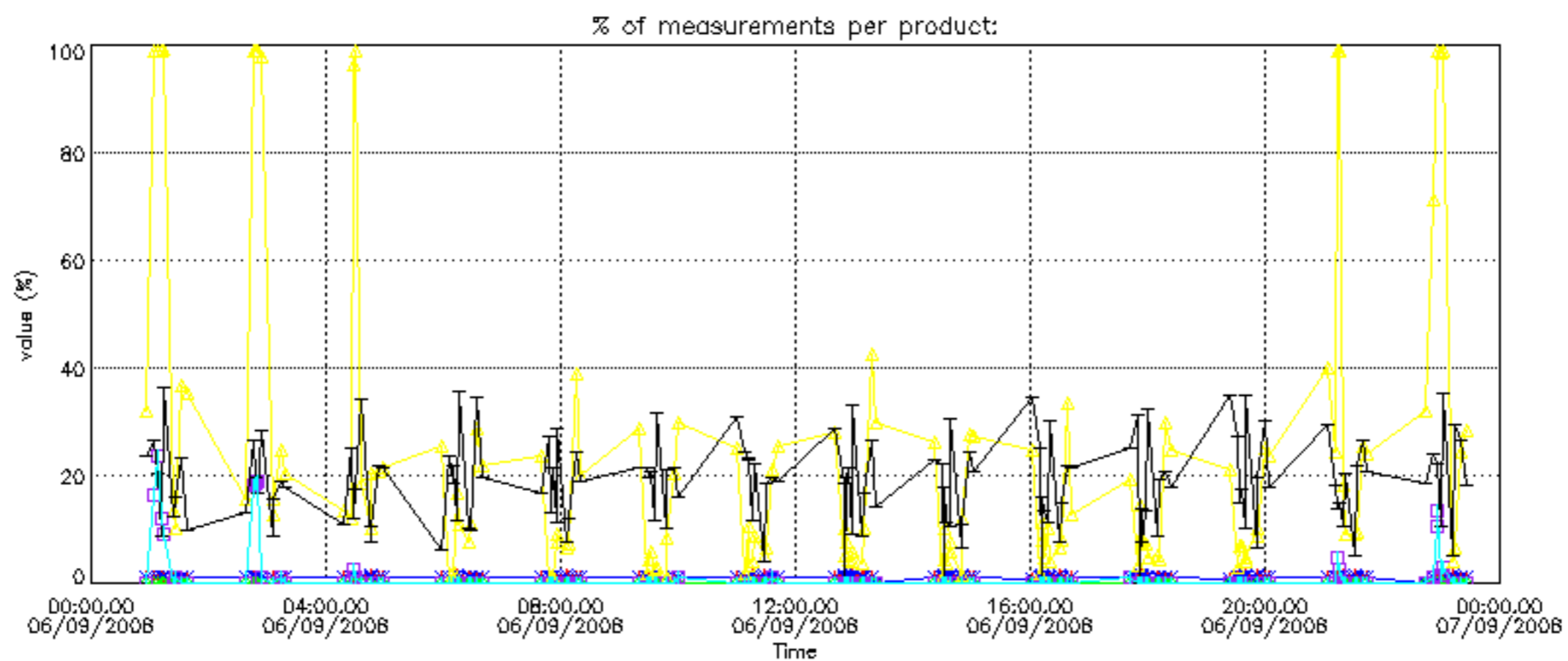
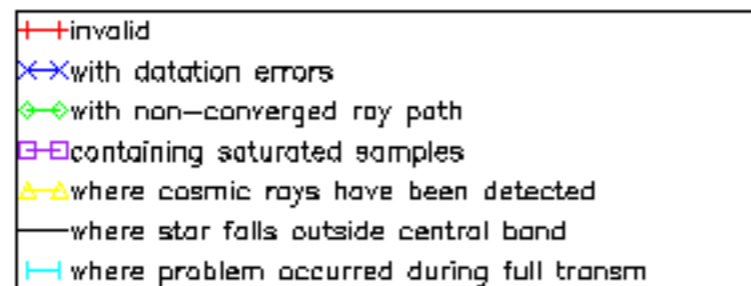


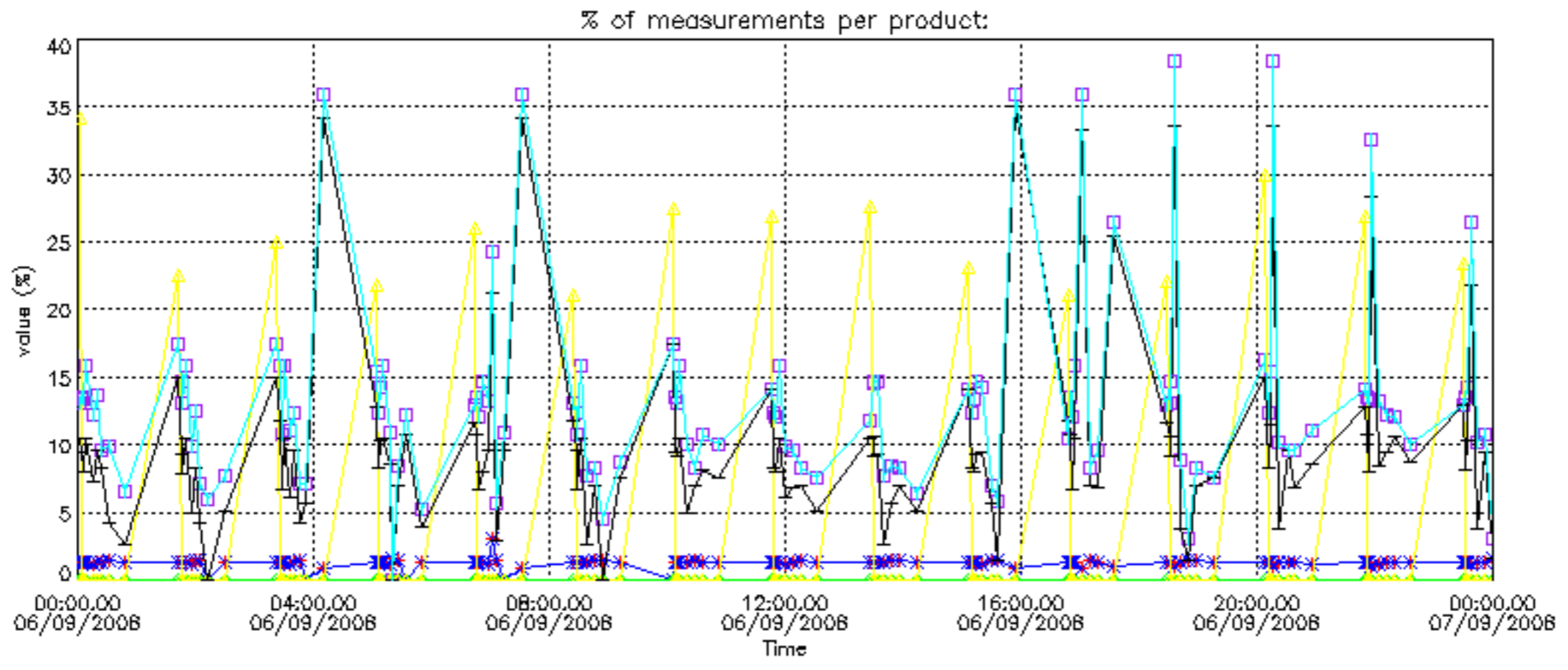
Percentage of flagged data per NO2 profile



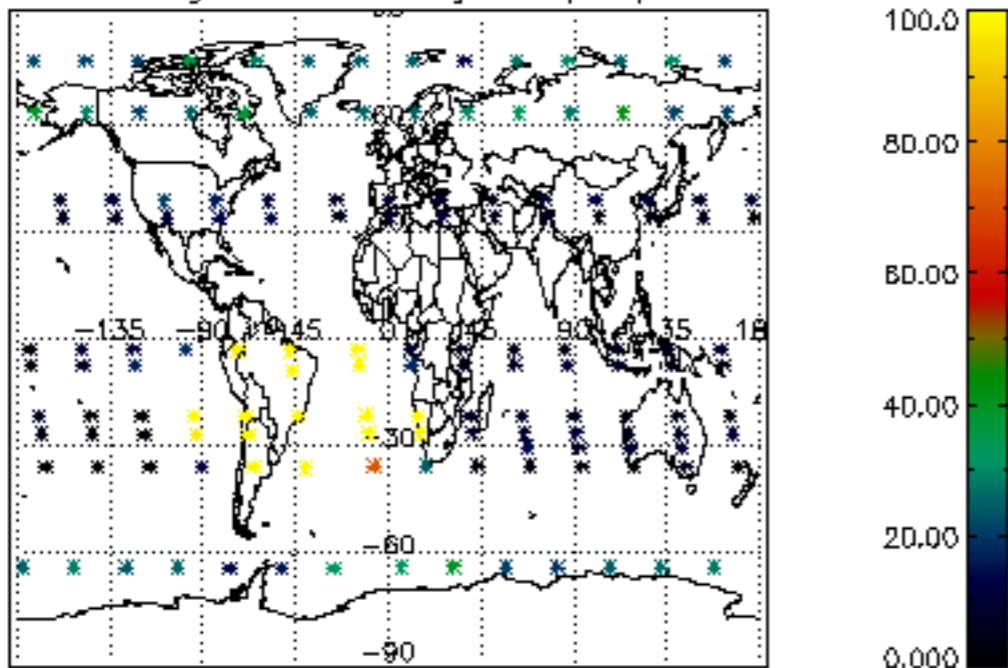
Percentage of flagged data per NO3 profile



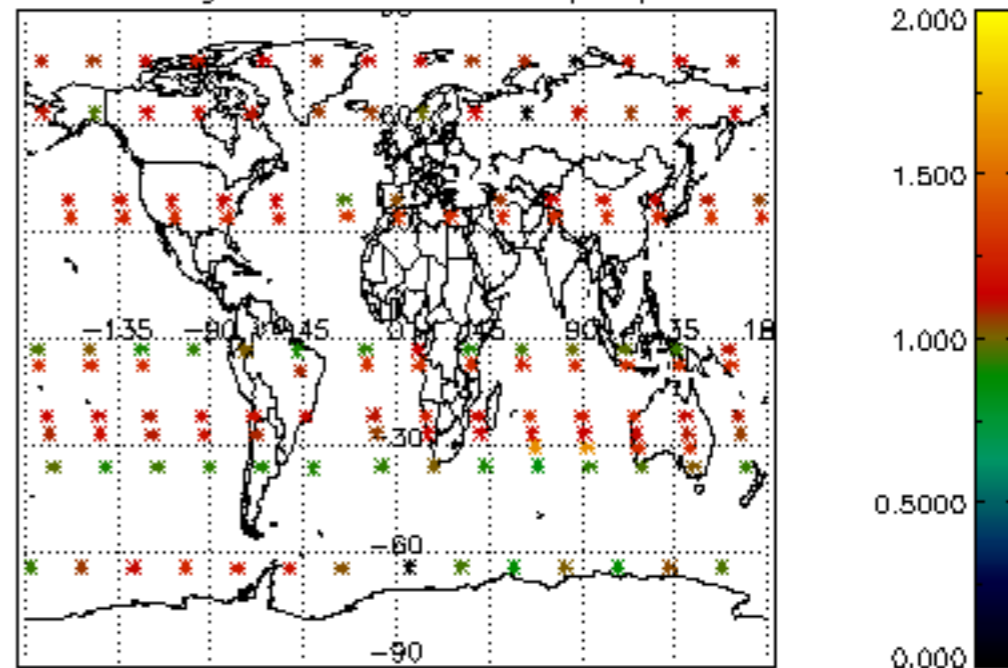




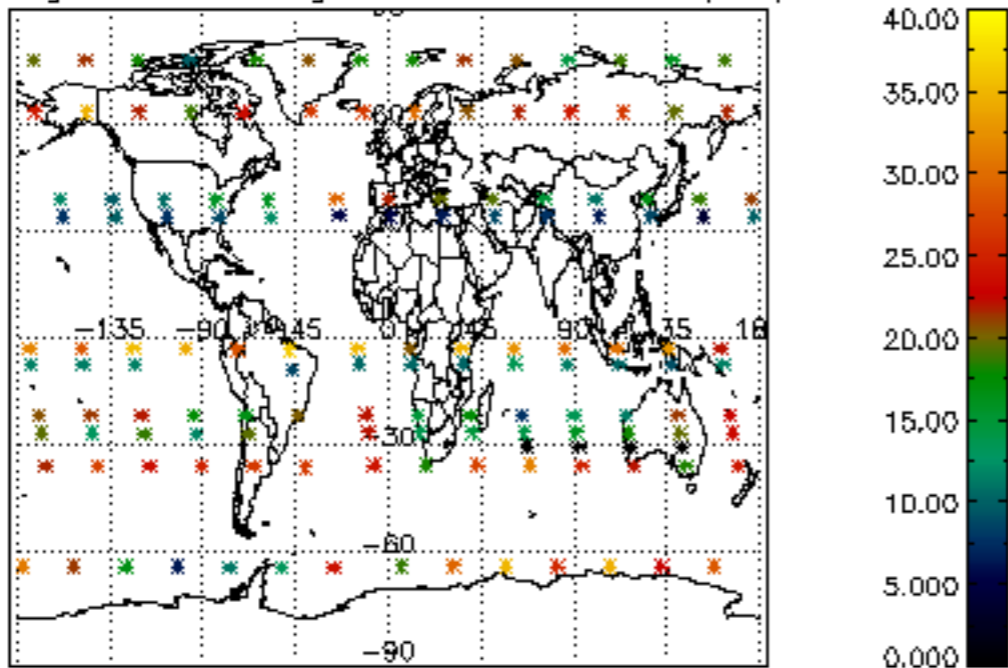
Percentage of cosmic ray hits per profile



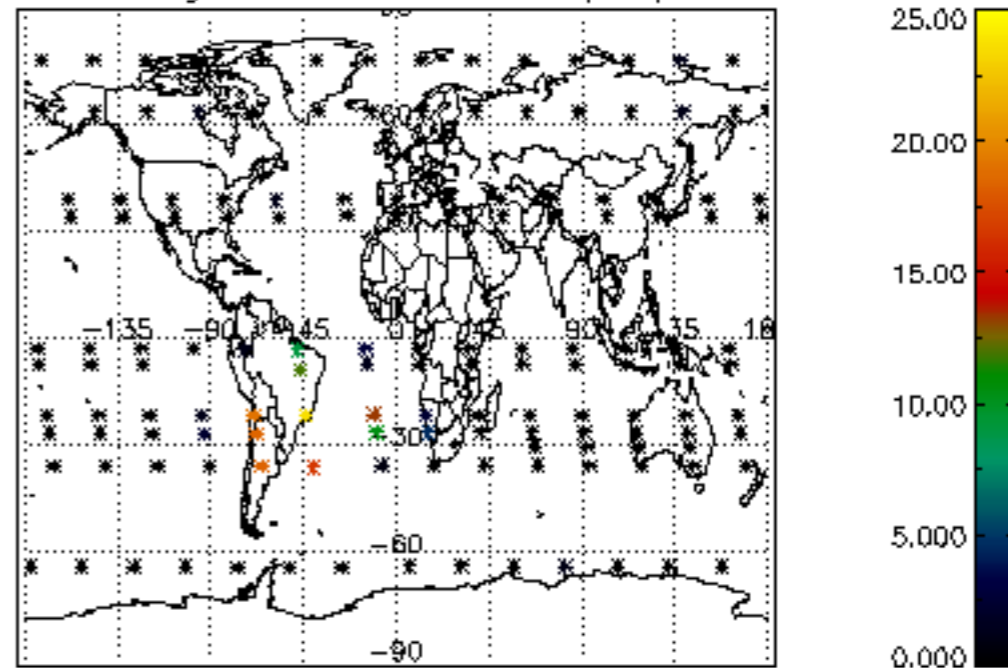
Percentage of datation errors per profile



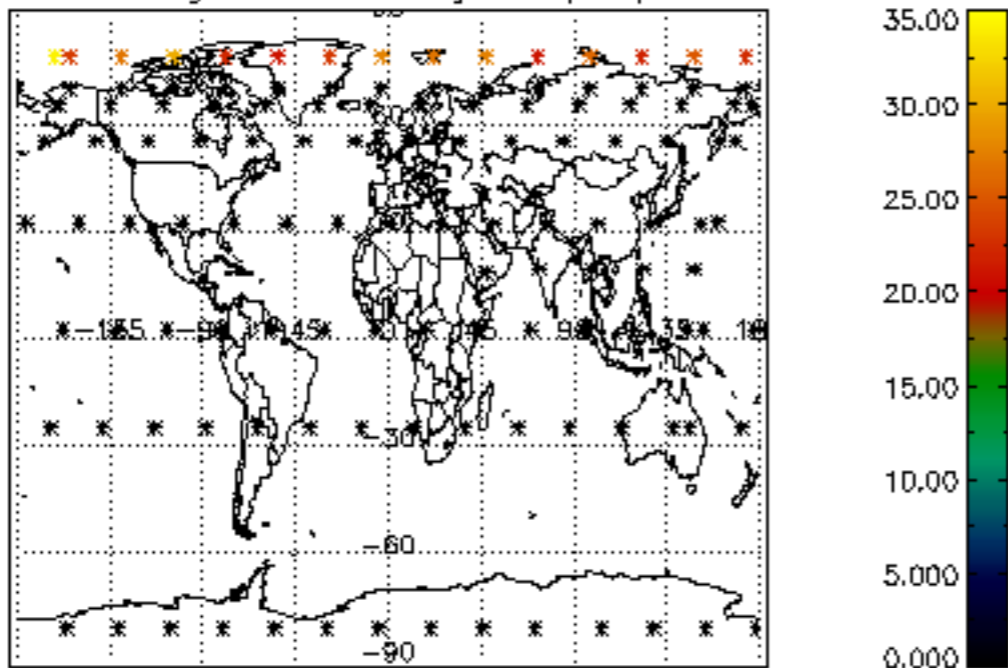
Percentage of star falling outside central band per profile



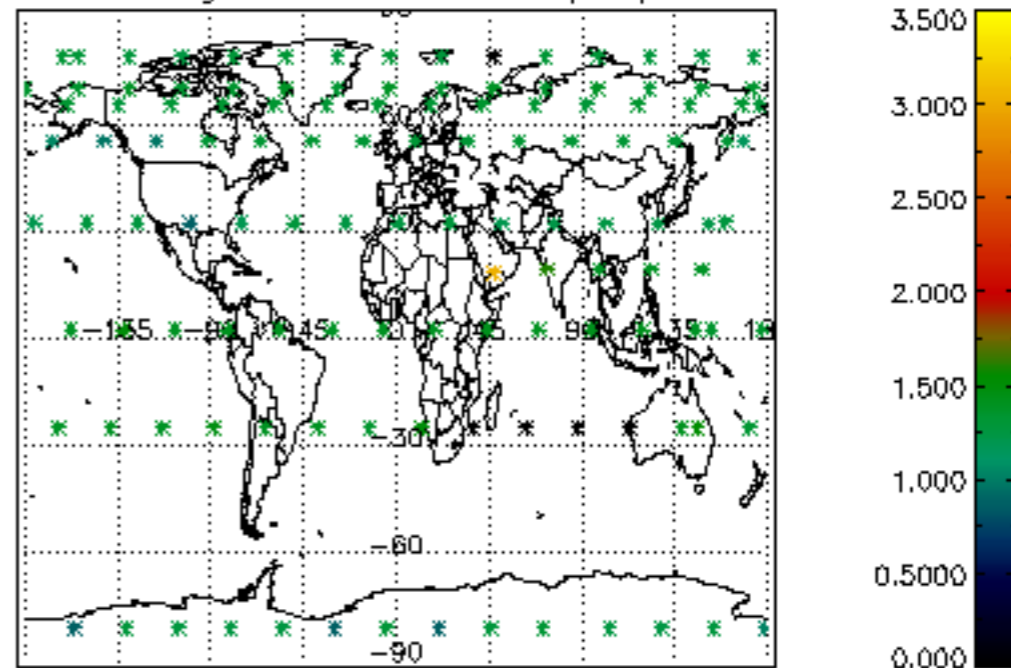
Percentage of saturation errors per profile



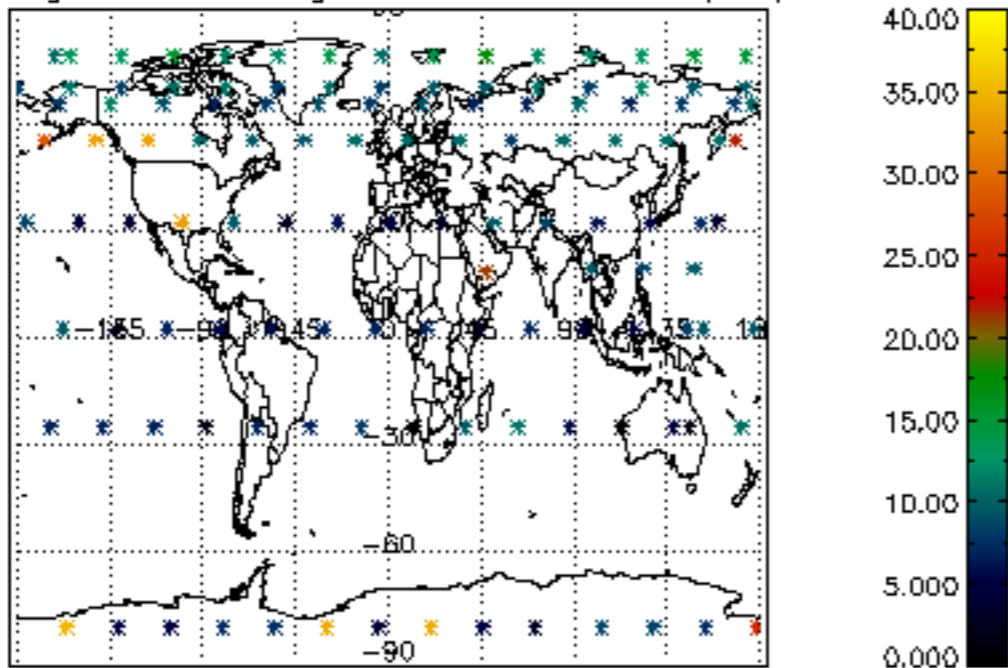
Percentage of cosmic ray hits per profile



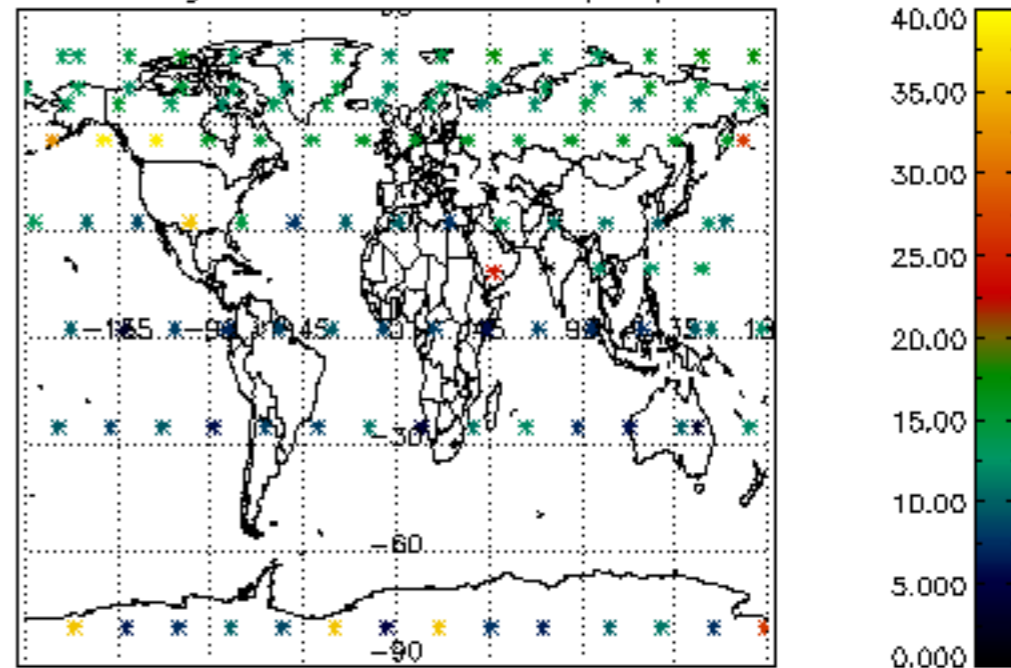
Percentage of datation errors per profile

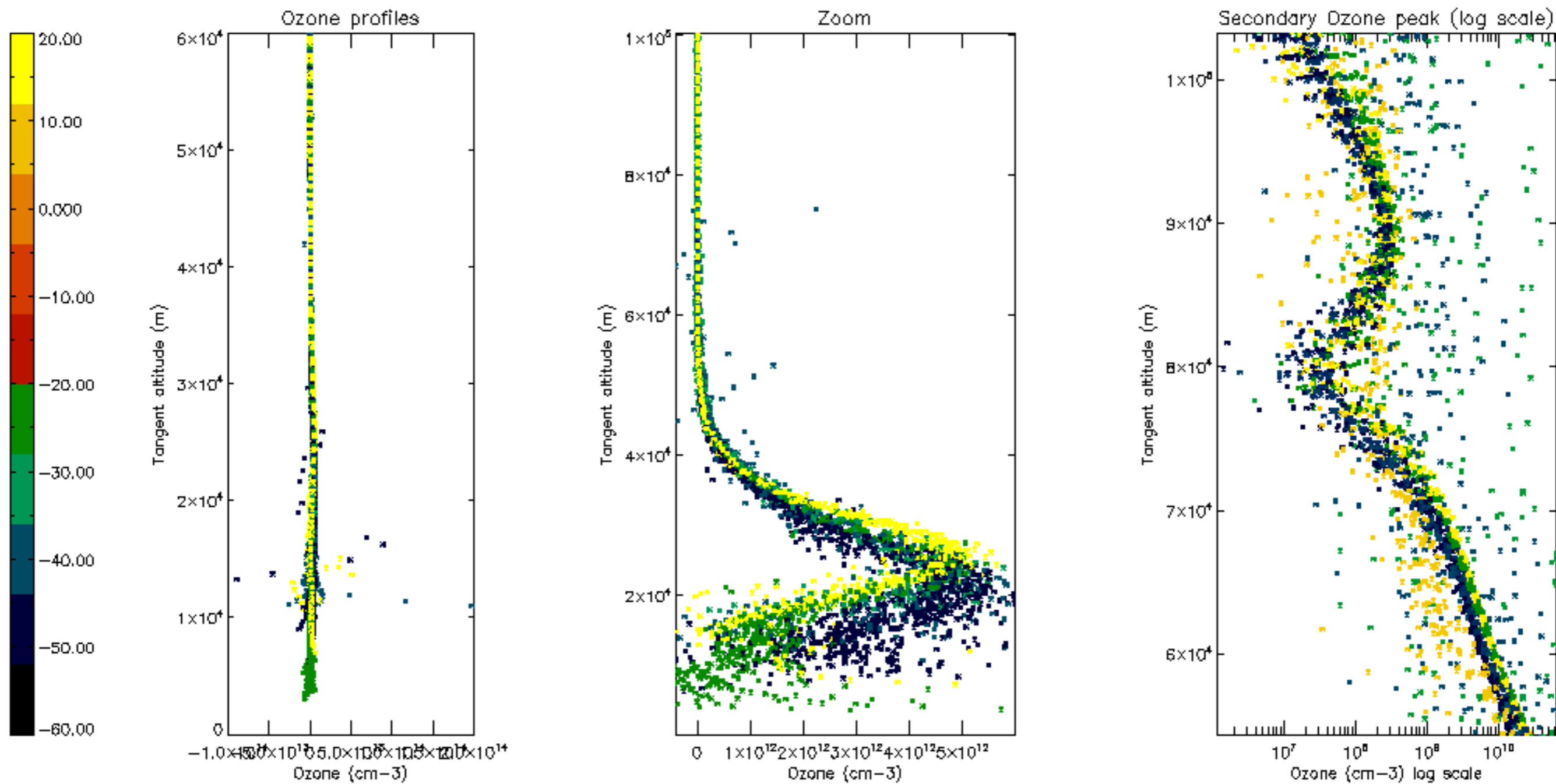


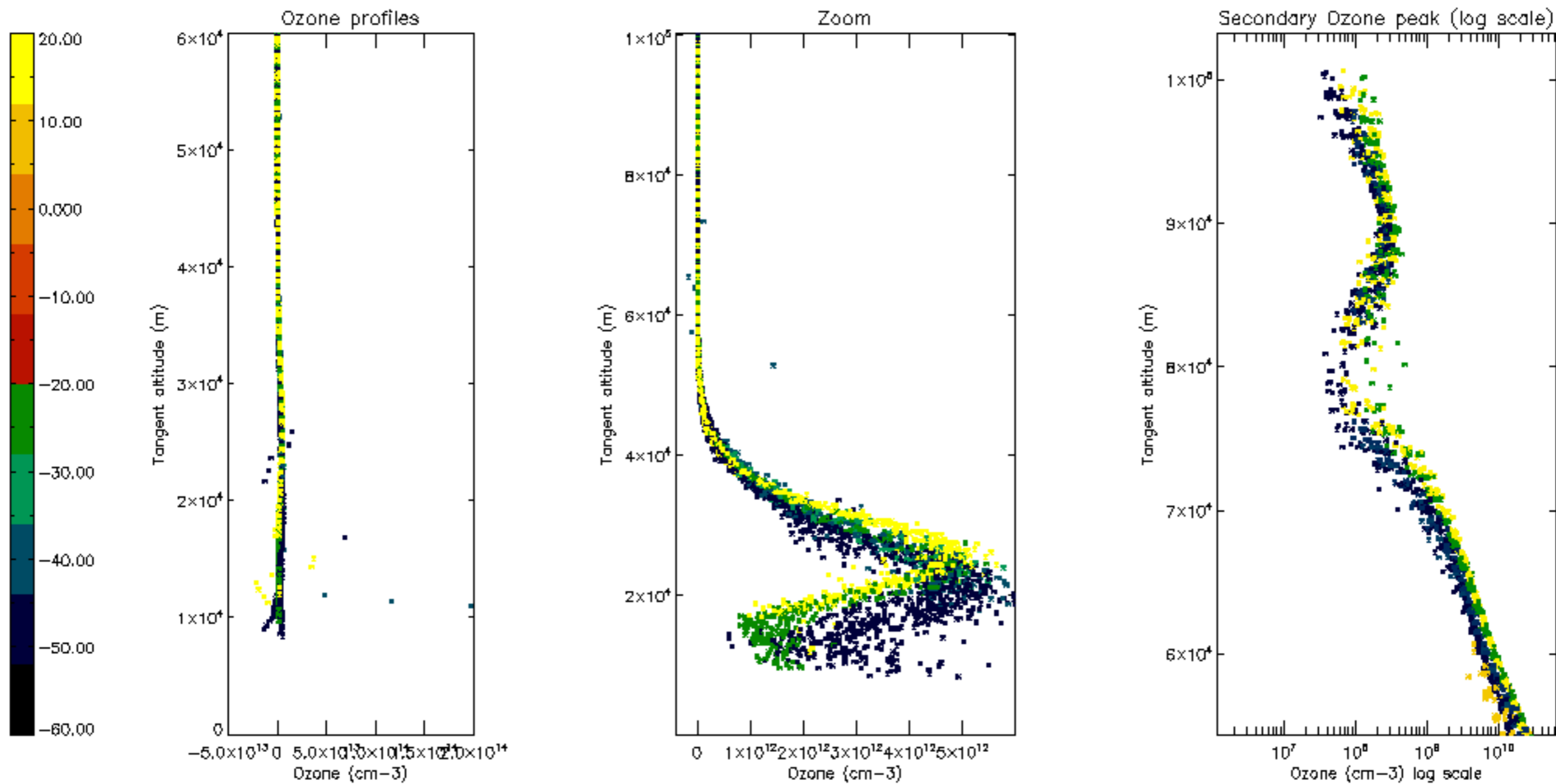
Percentage of star falling outside central band per profile

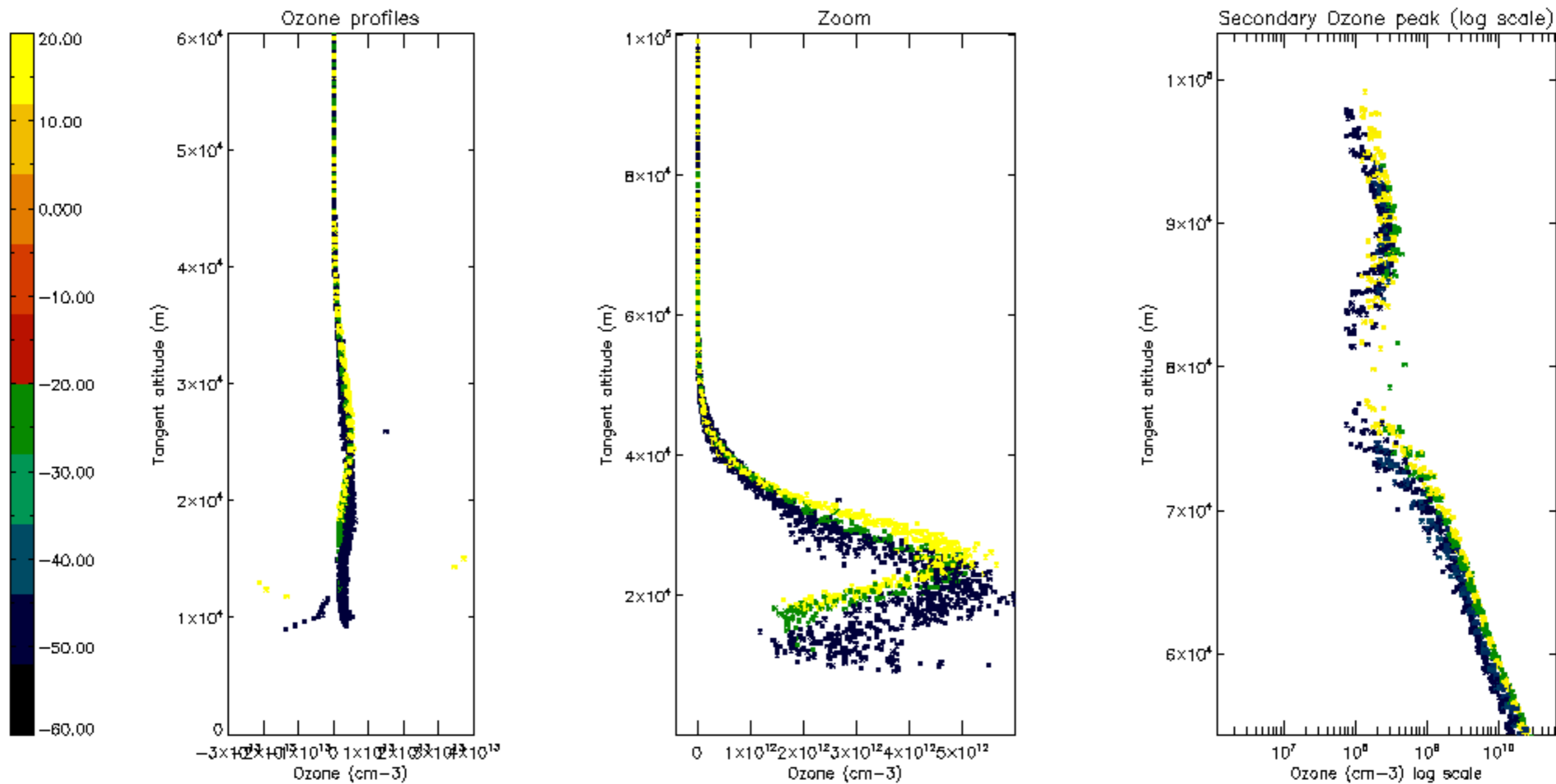


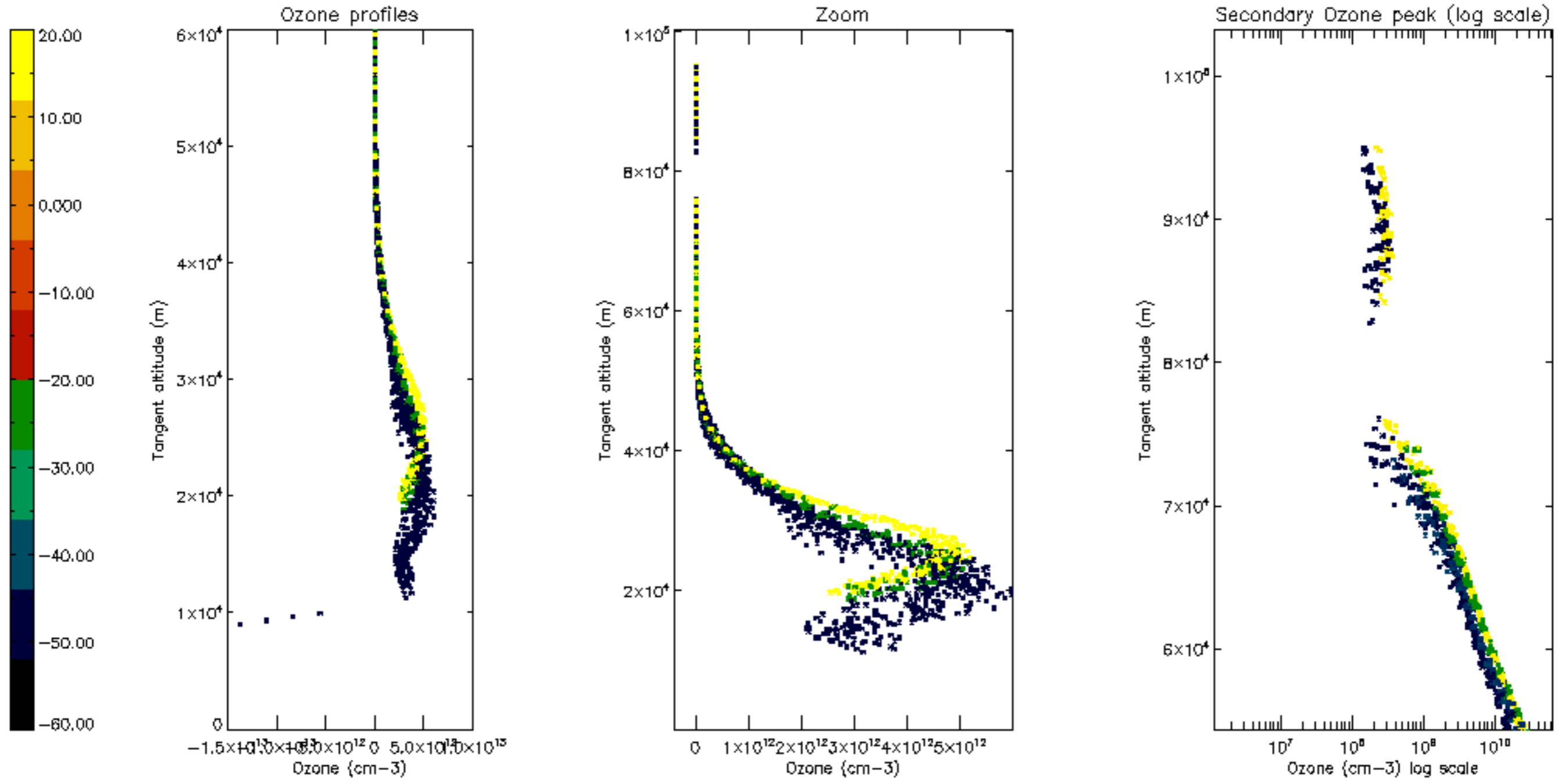
Percentage of saturation errors per profile

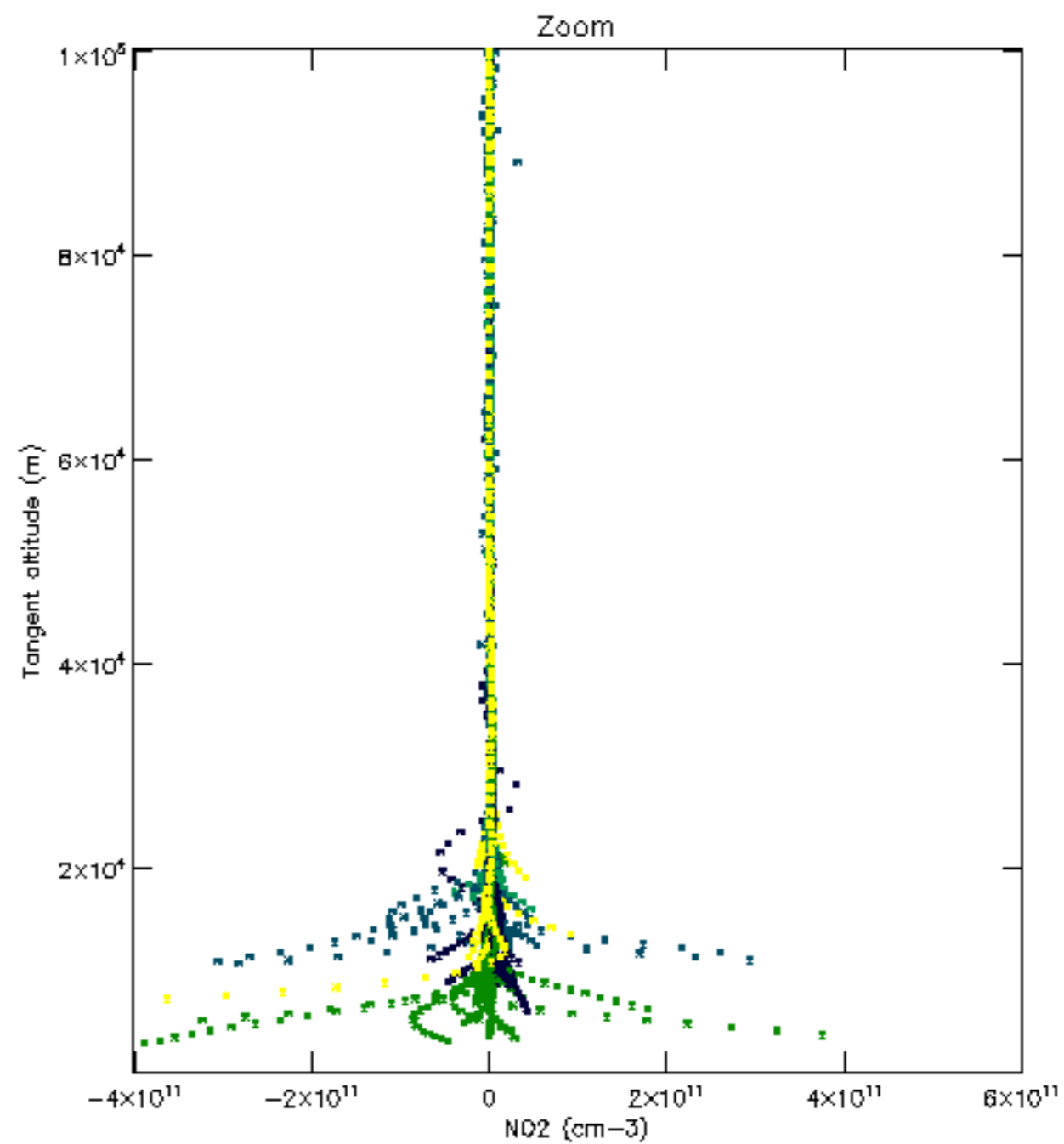
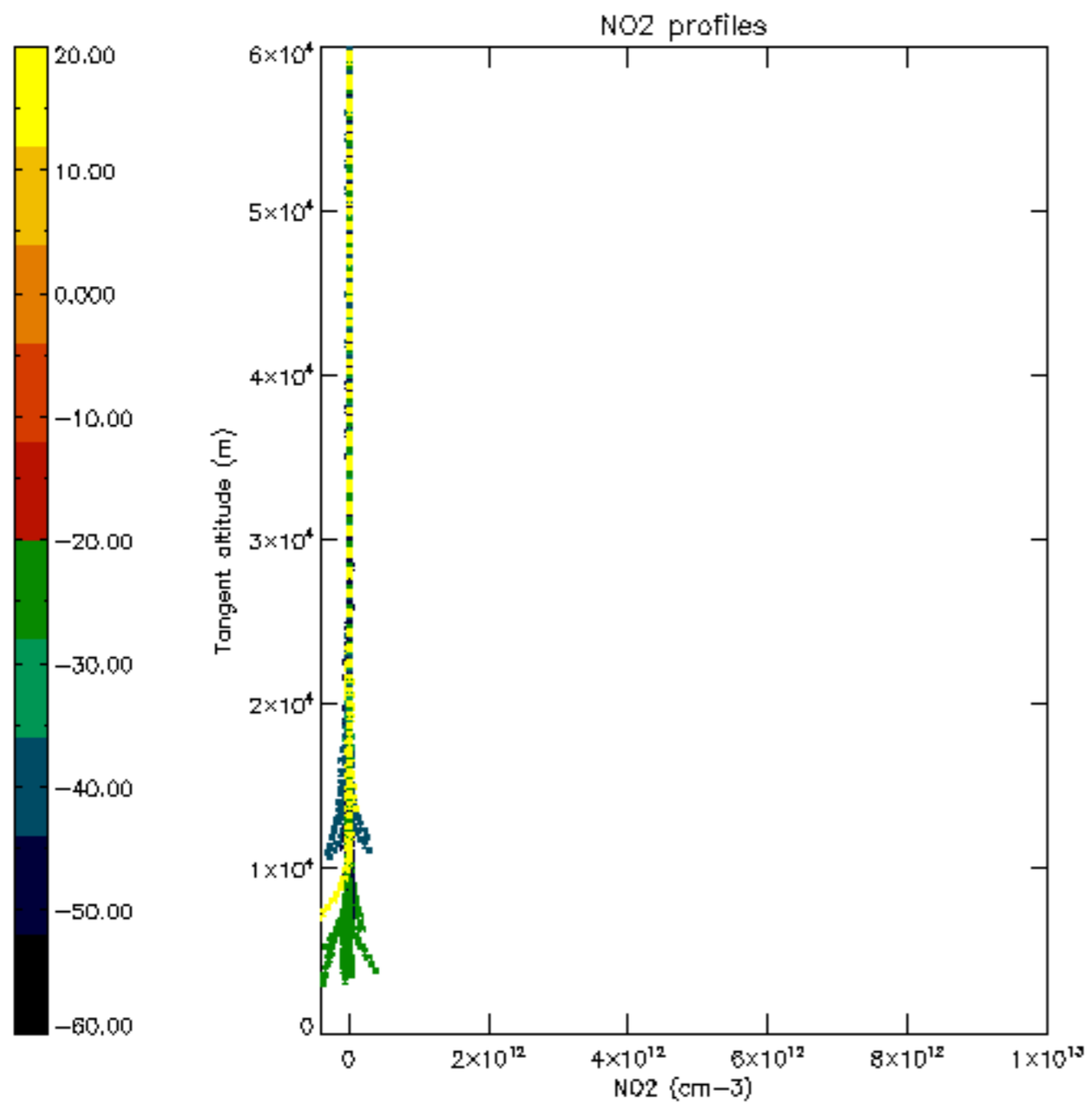


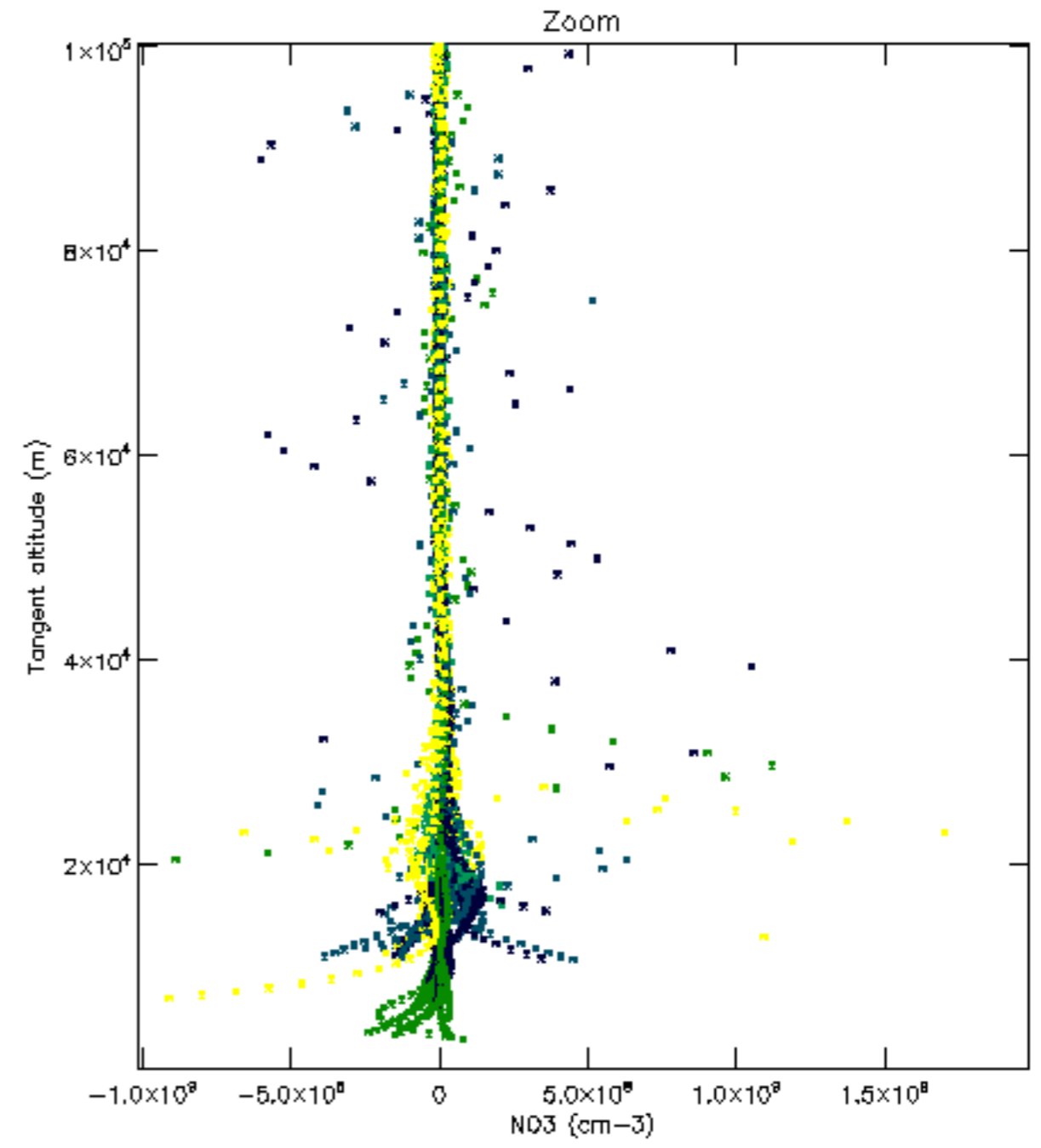
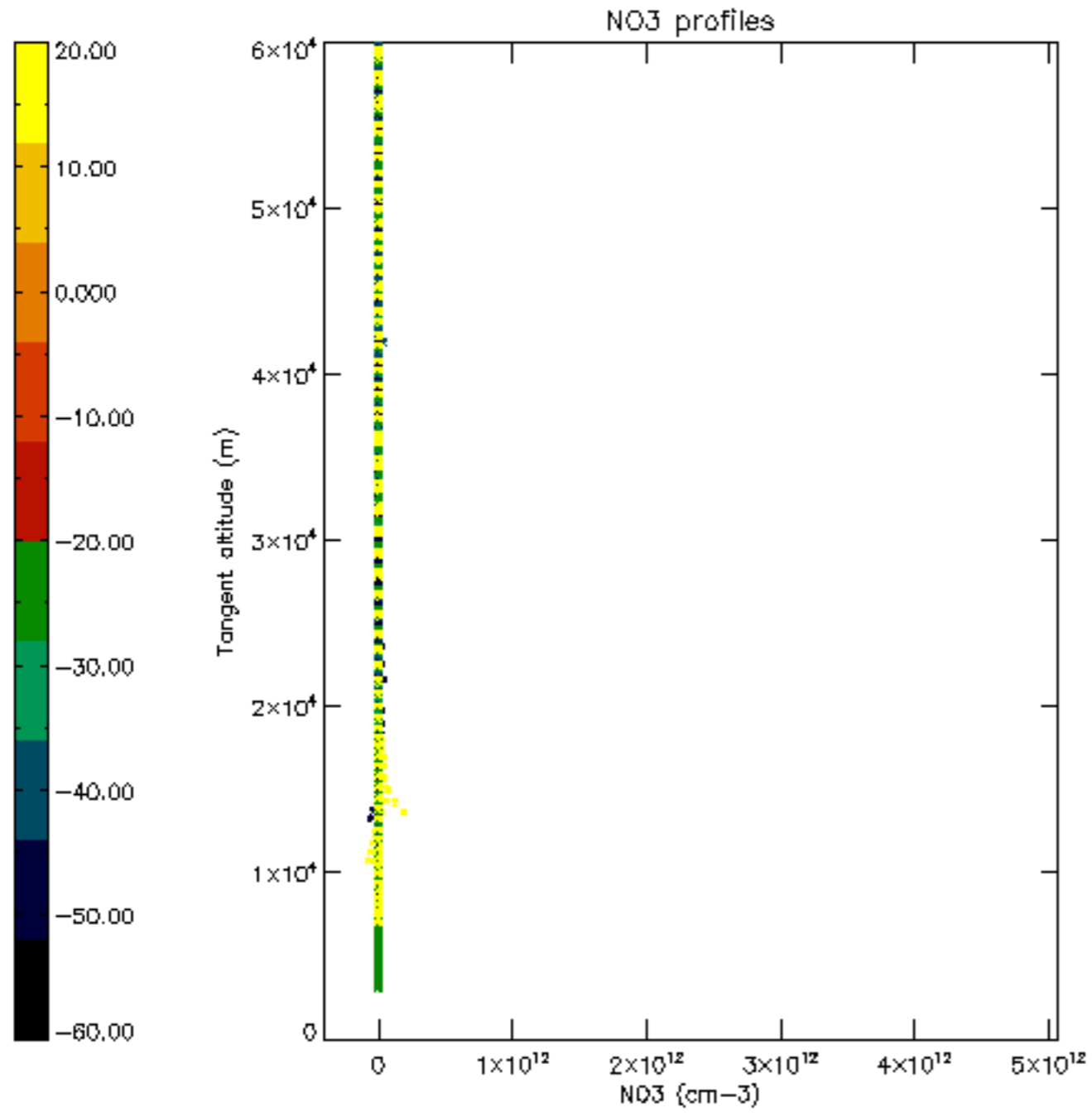


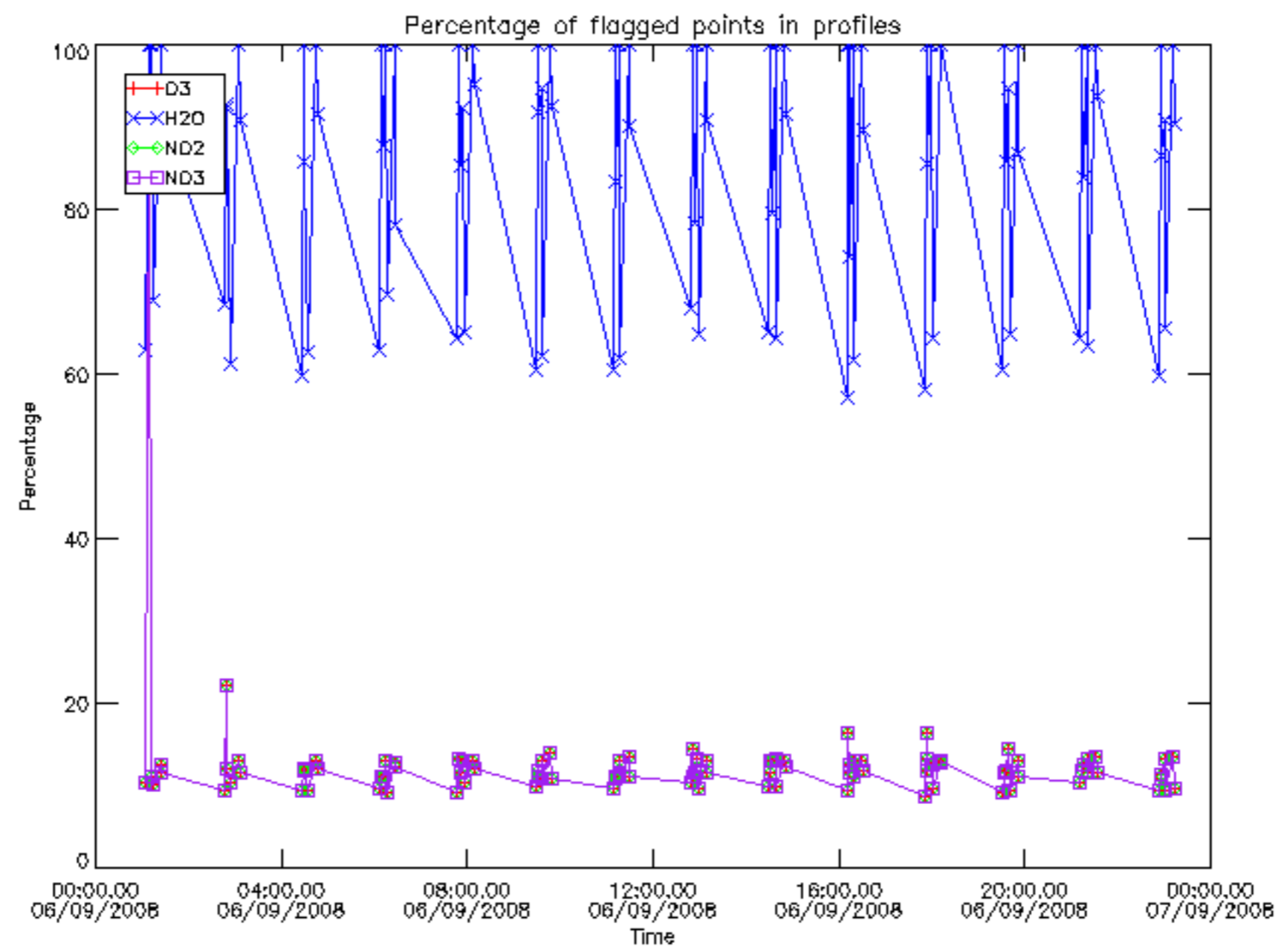




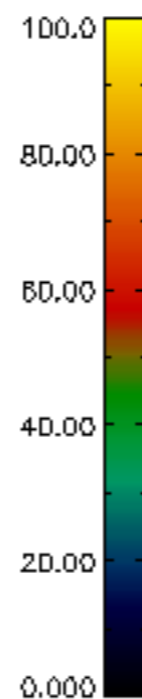
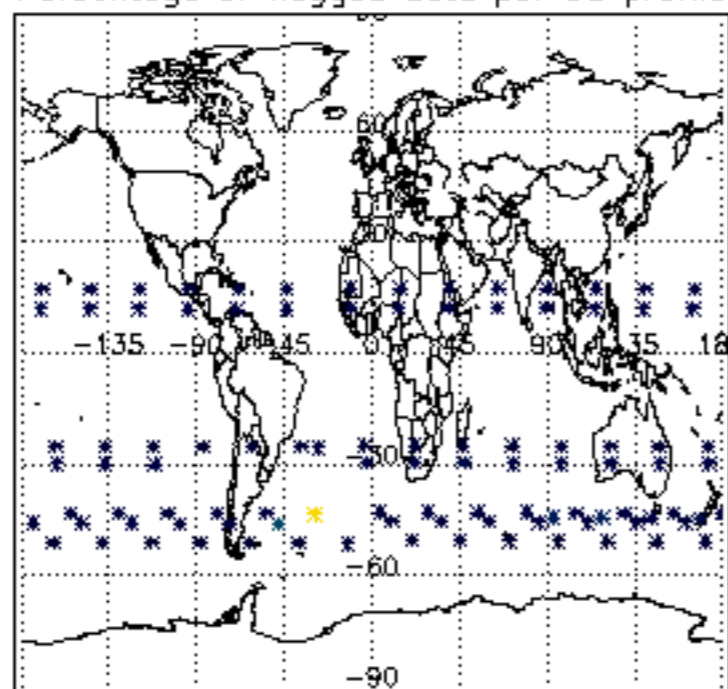




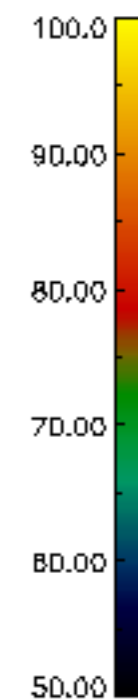
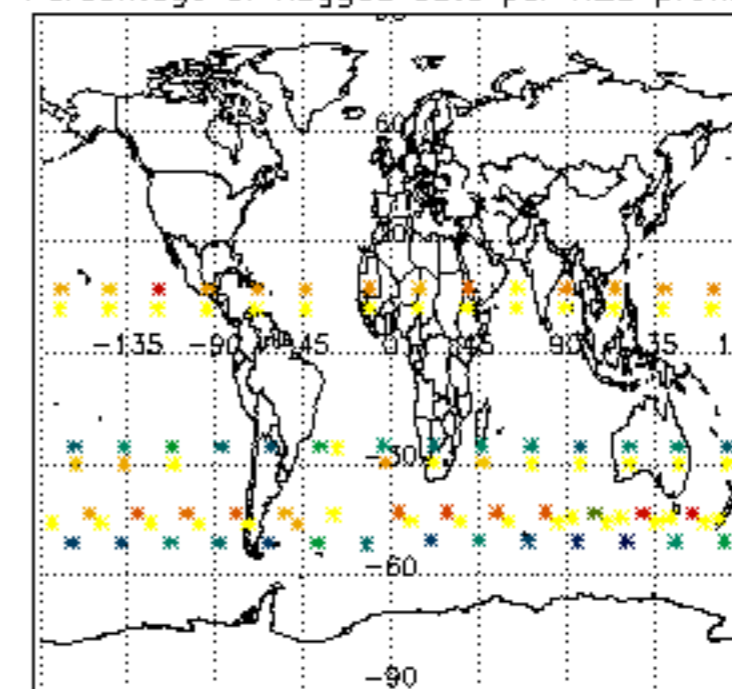




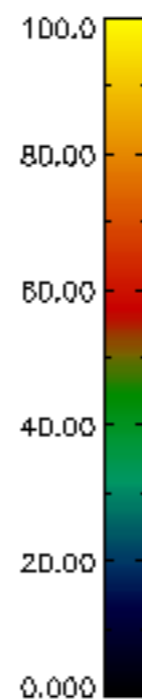
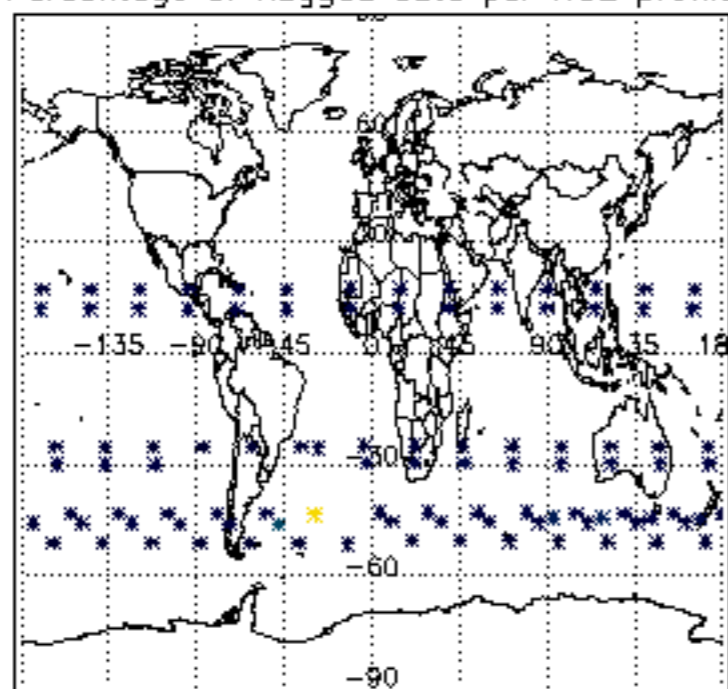
Percentage of flagged data per D3 profile



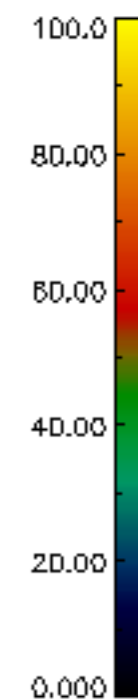
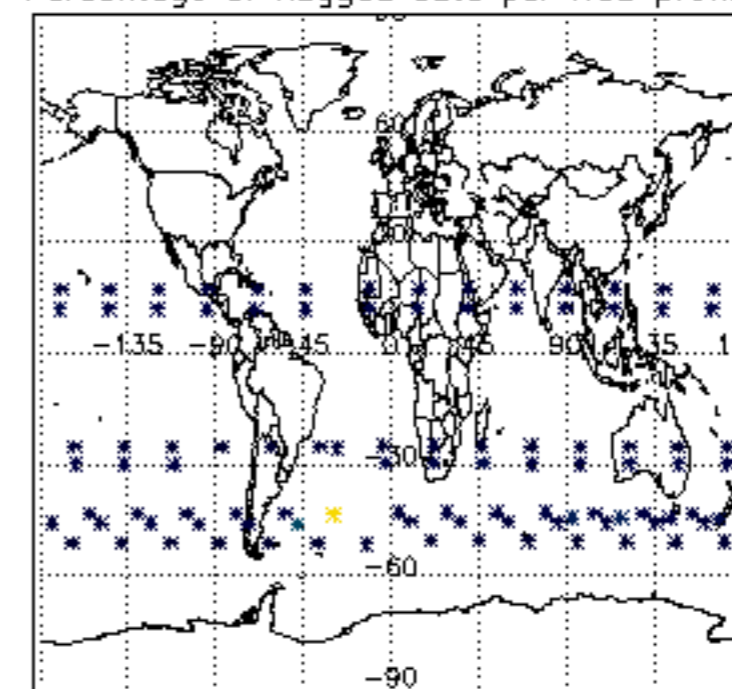
Percentage of flagged data per H2O profile

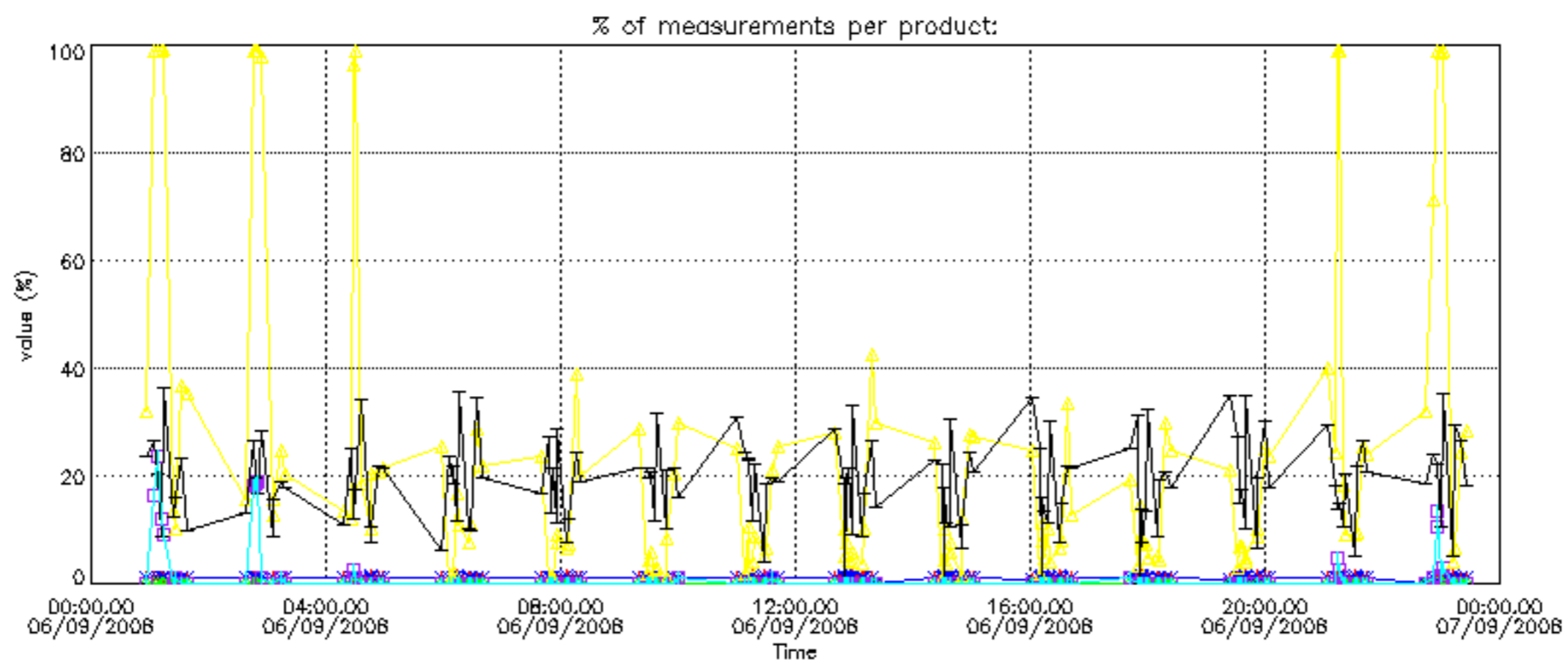
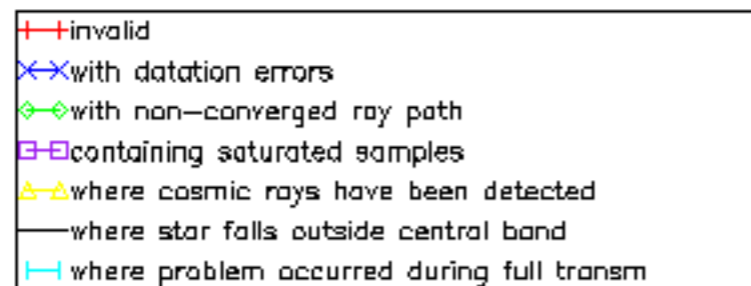


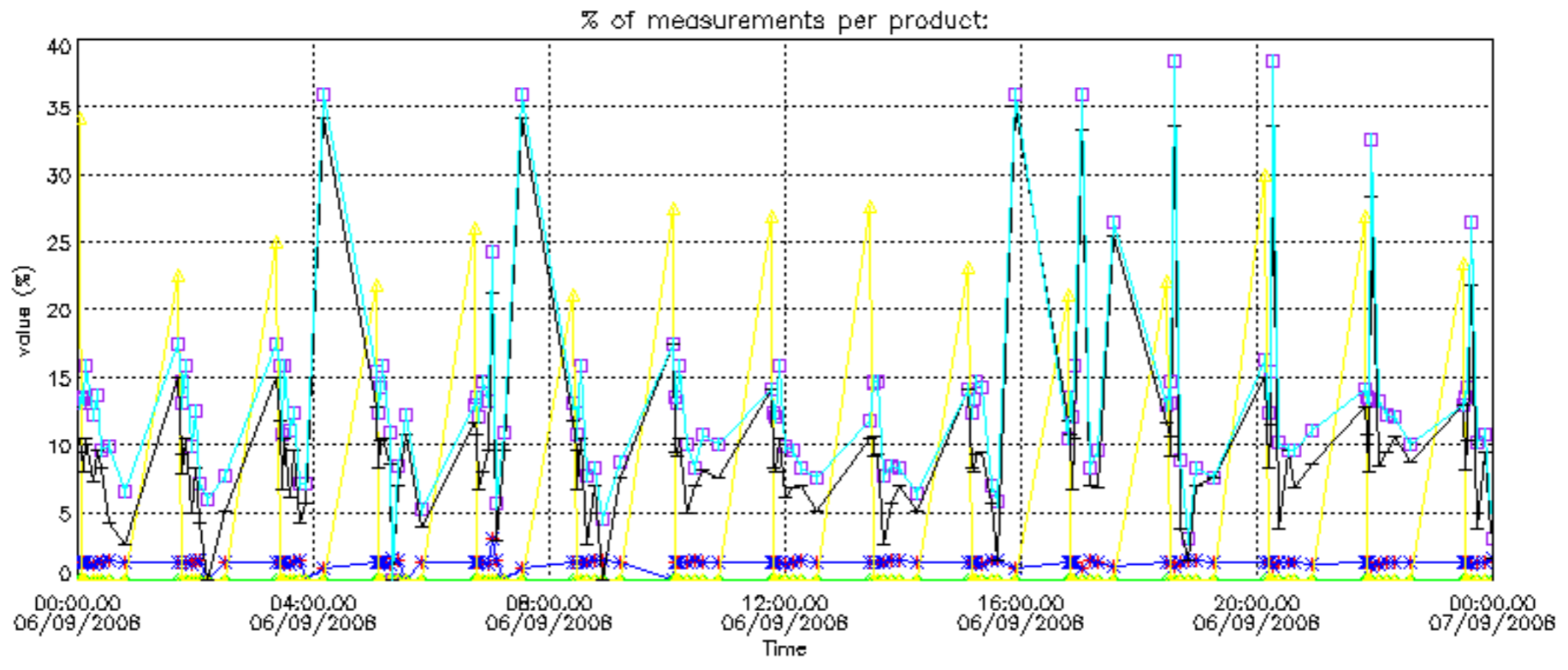
Percentage of flagged data per NO2 profile



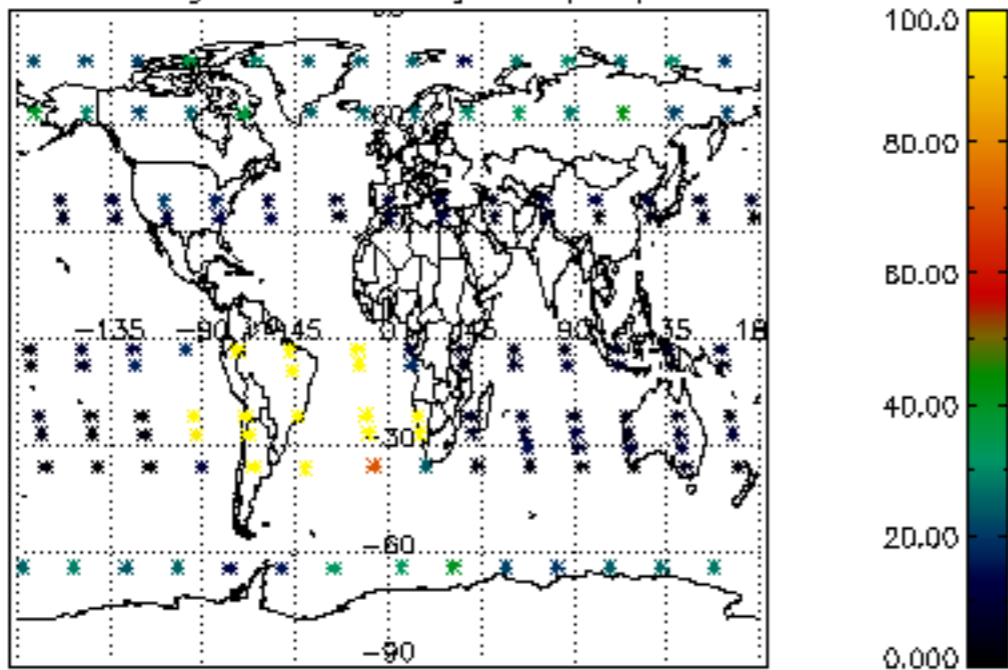
Percentage of flagged data per NO3 profile



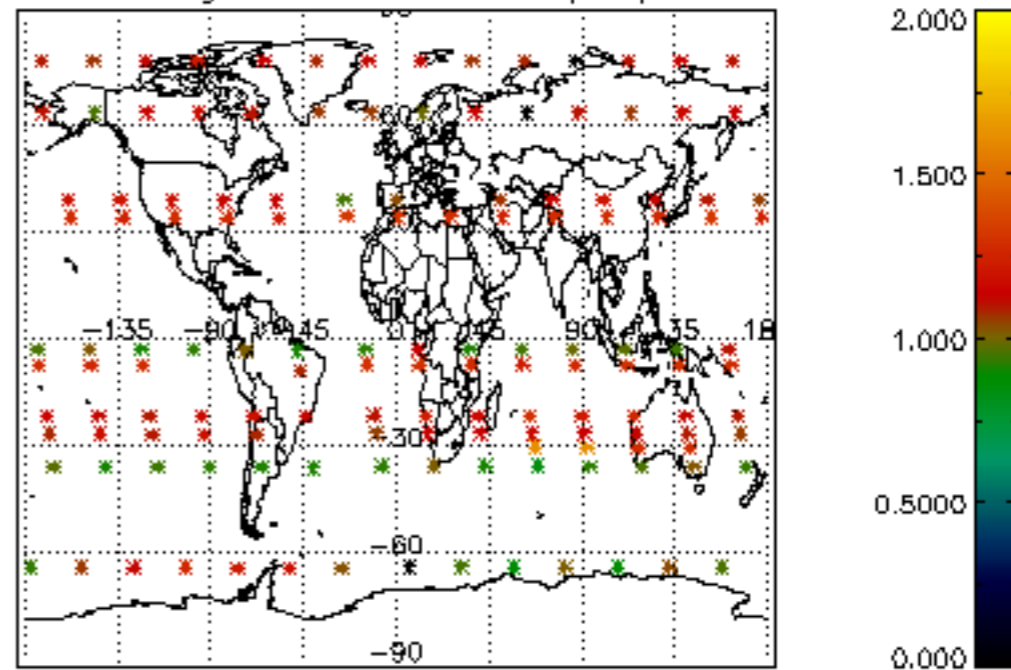




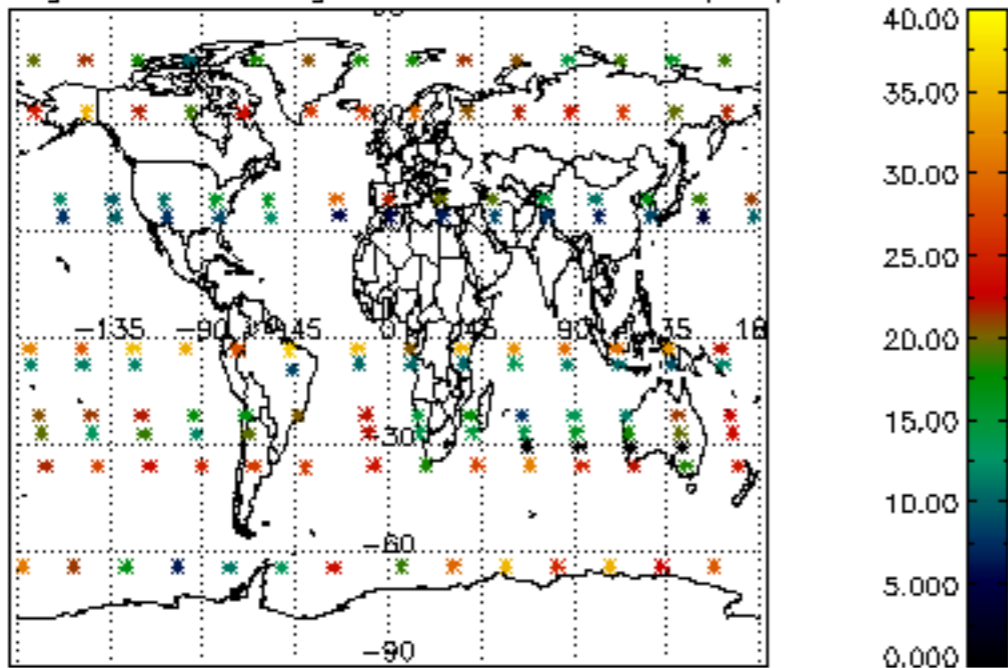
Percentage of cosmic ray hits per profile



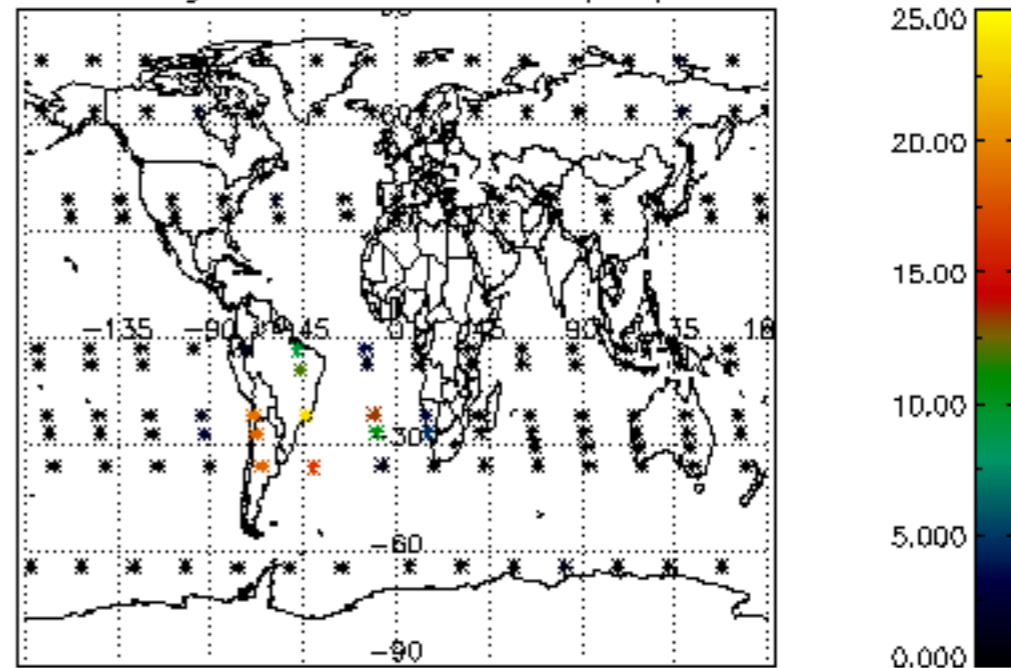
Percentage of datation errors per profile



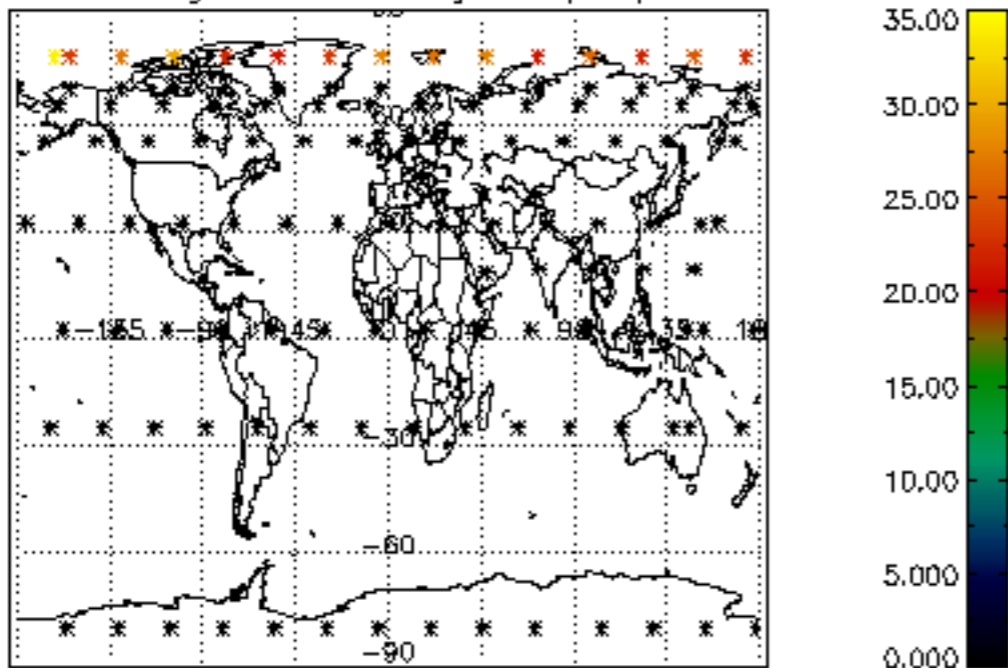
Percentage of star falling outside central band per profile



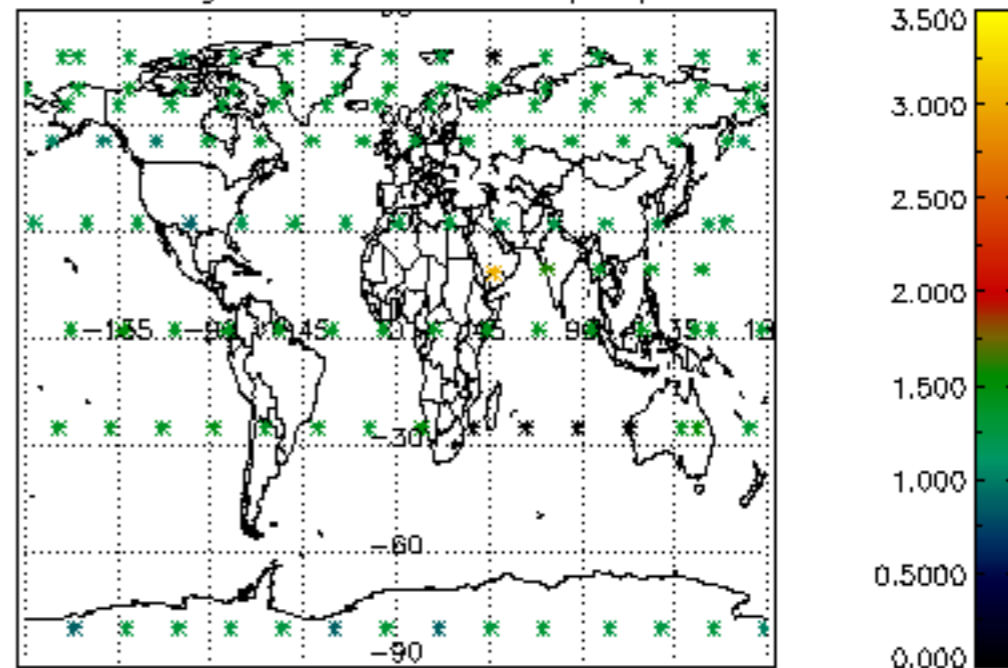
Percentage of saturation errors per profile



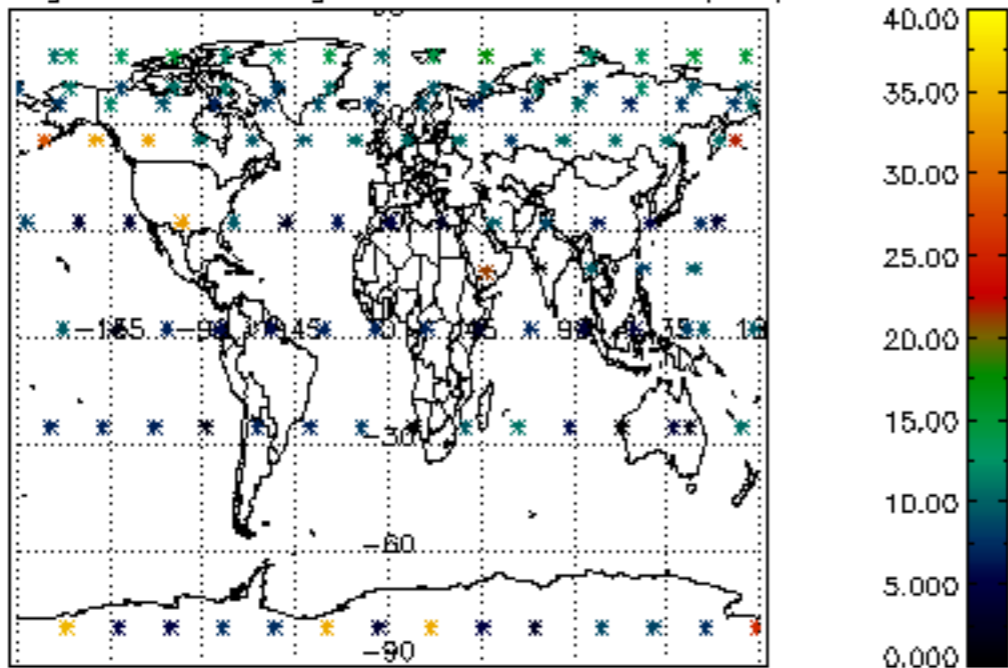
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

