

GOMOS Level 2 Daily Report

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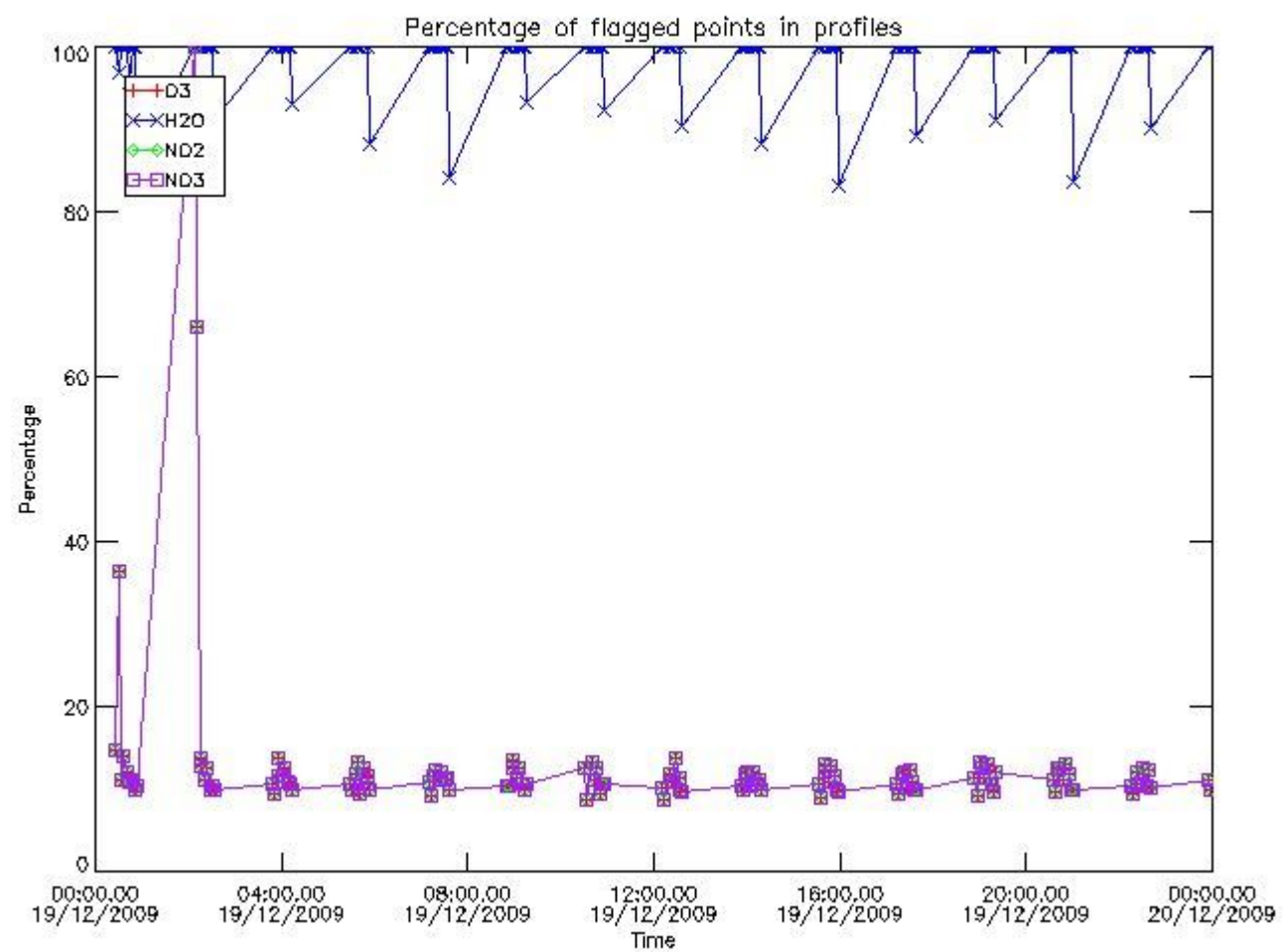
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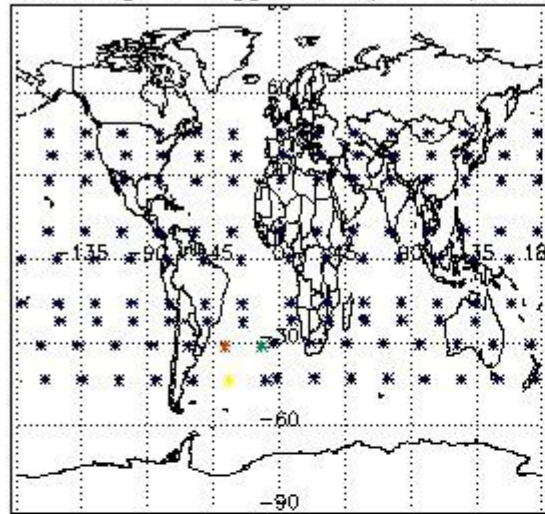
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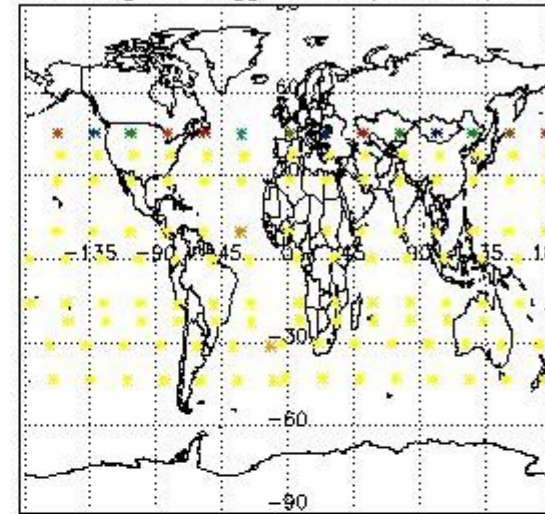


3.2 Plot quality information per product (world map)

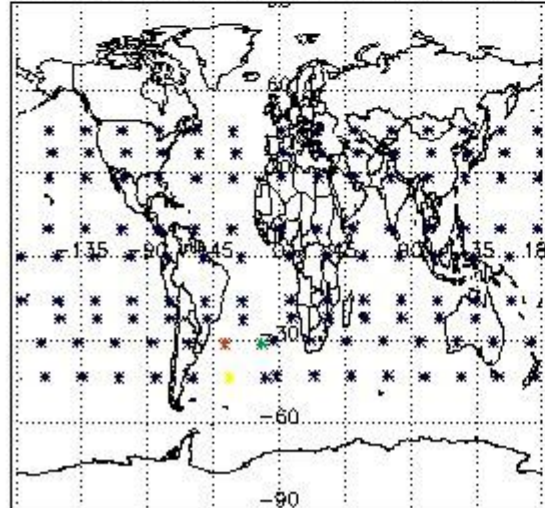
Percentage of flagged data per O3 profile



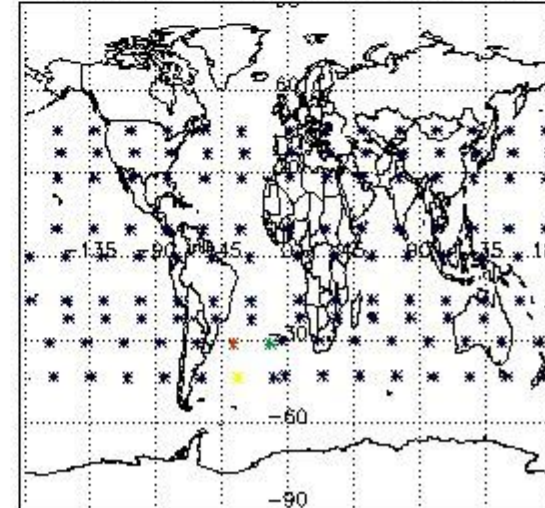
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

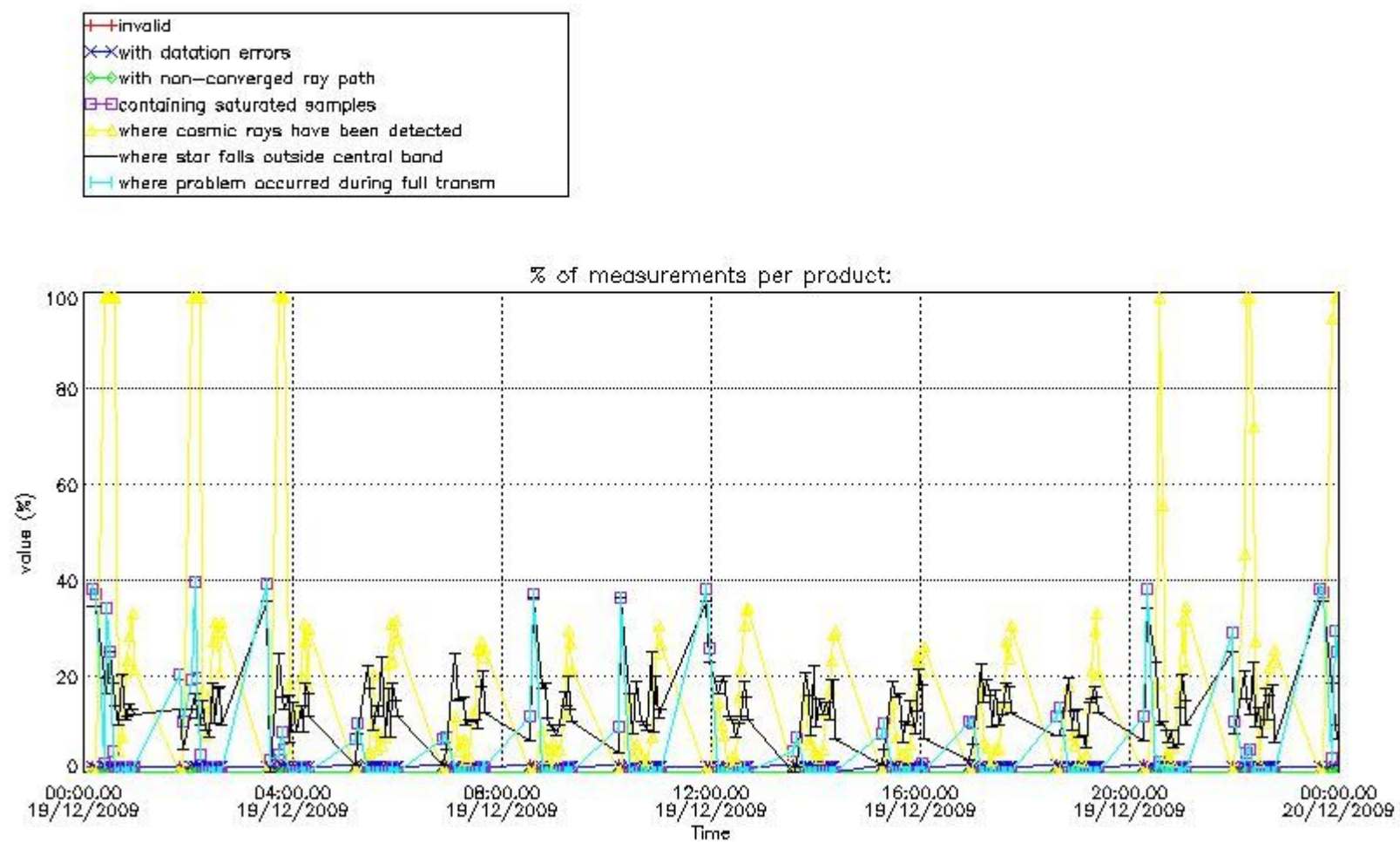


4. Level 1 quality information per product

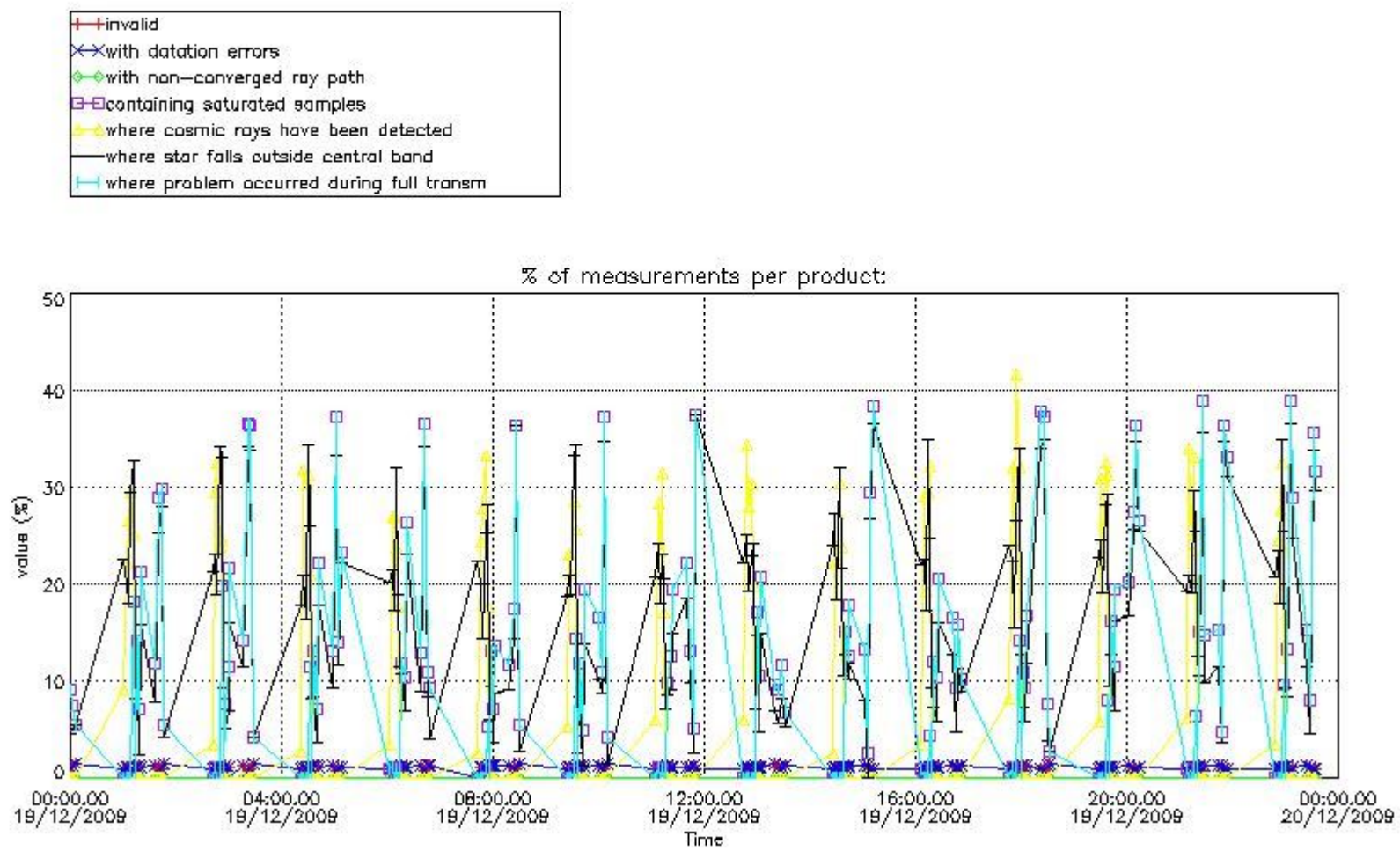
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



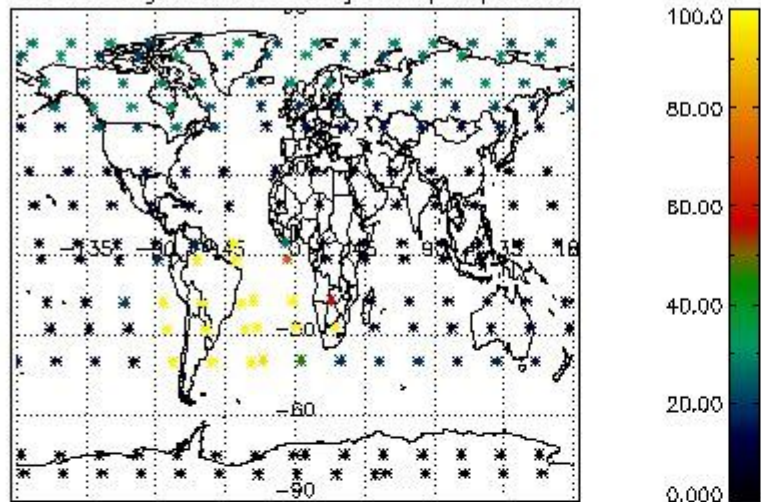
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



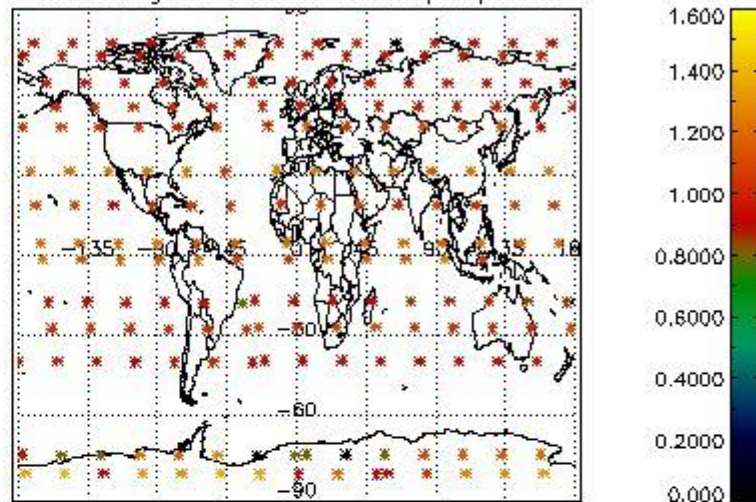
4.2 Plot quality information per product coming from level 1b processing (world map)

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

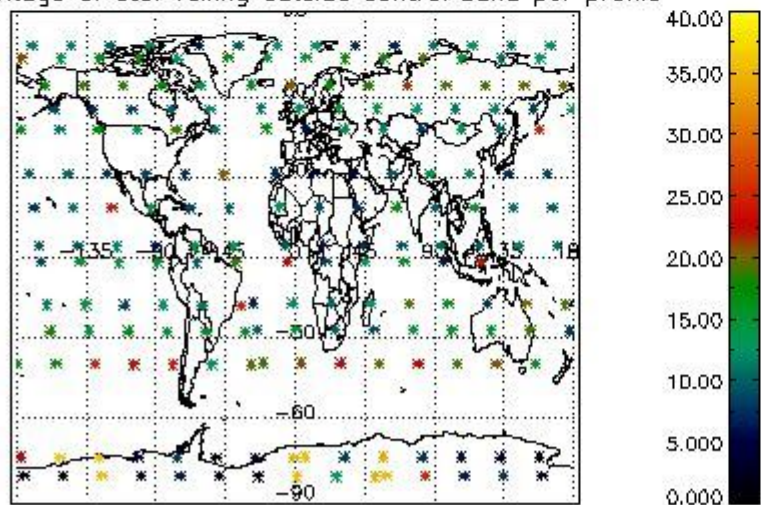
Percentage of cosmic ray hits per profile



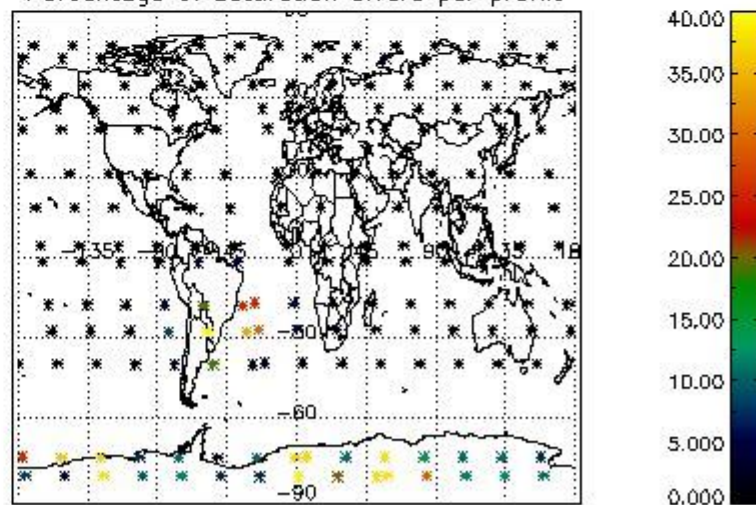
Percentage of datation errors per profile



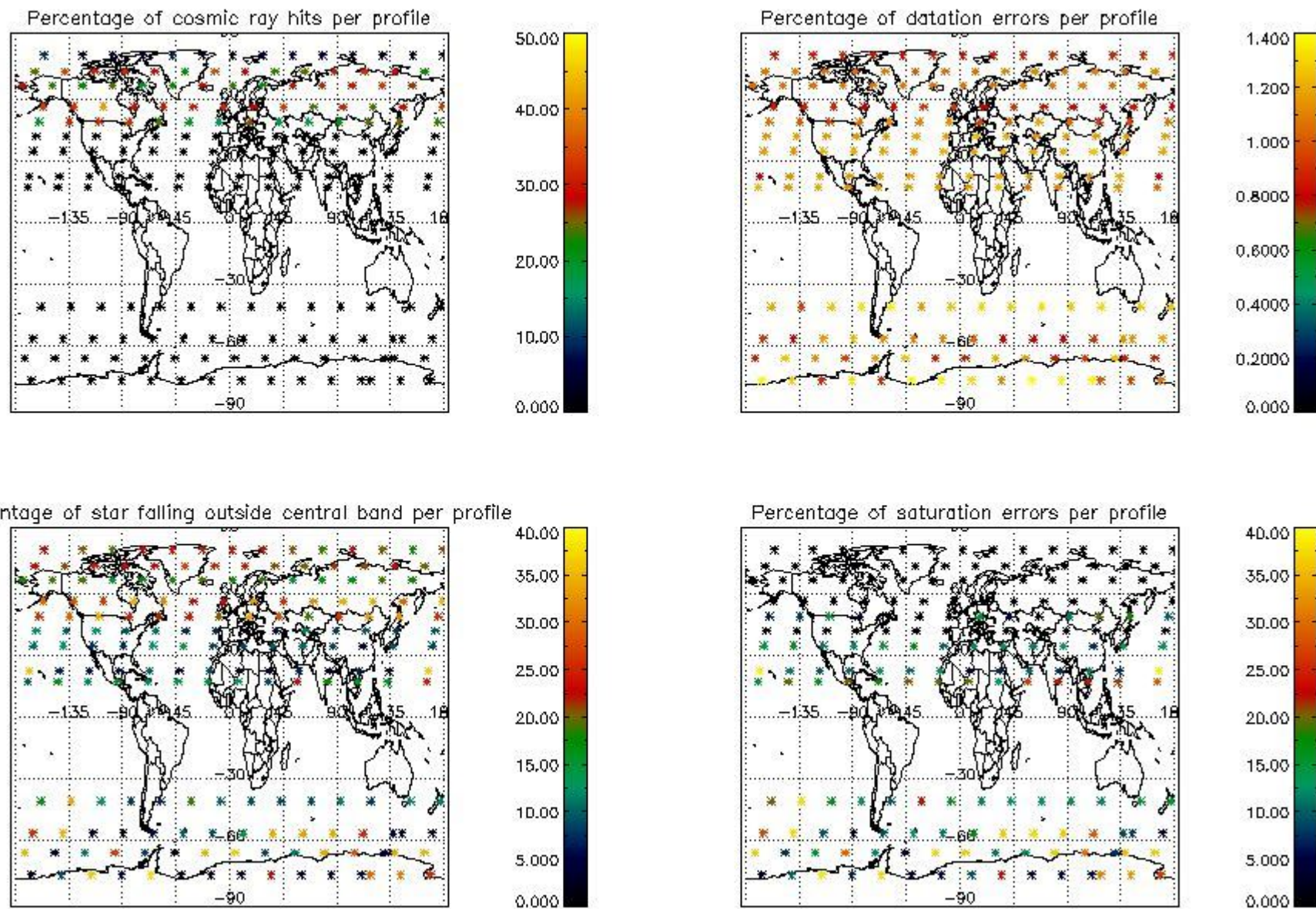
Percentage of star falling outside central band per profile



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

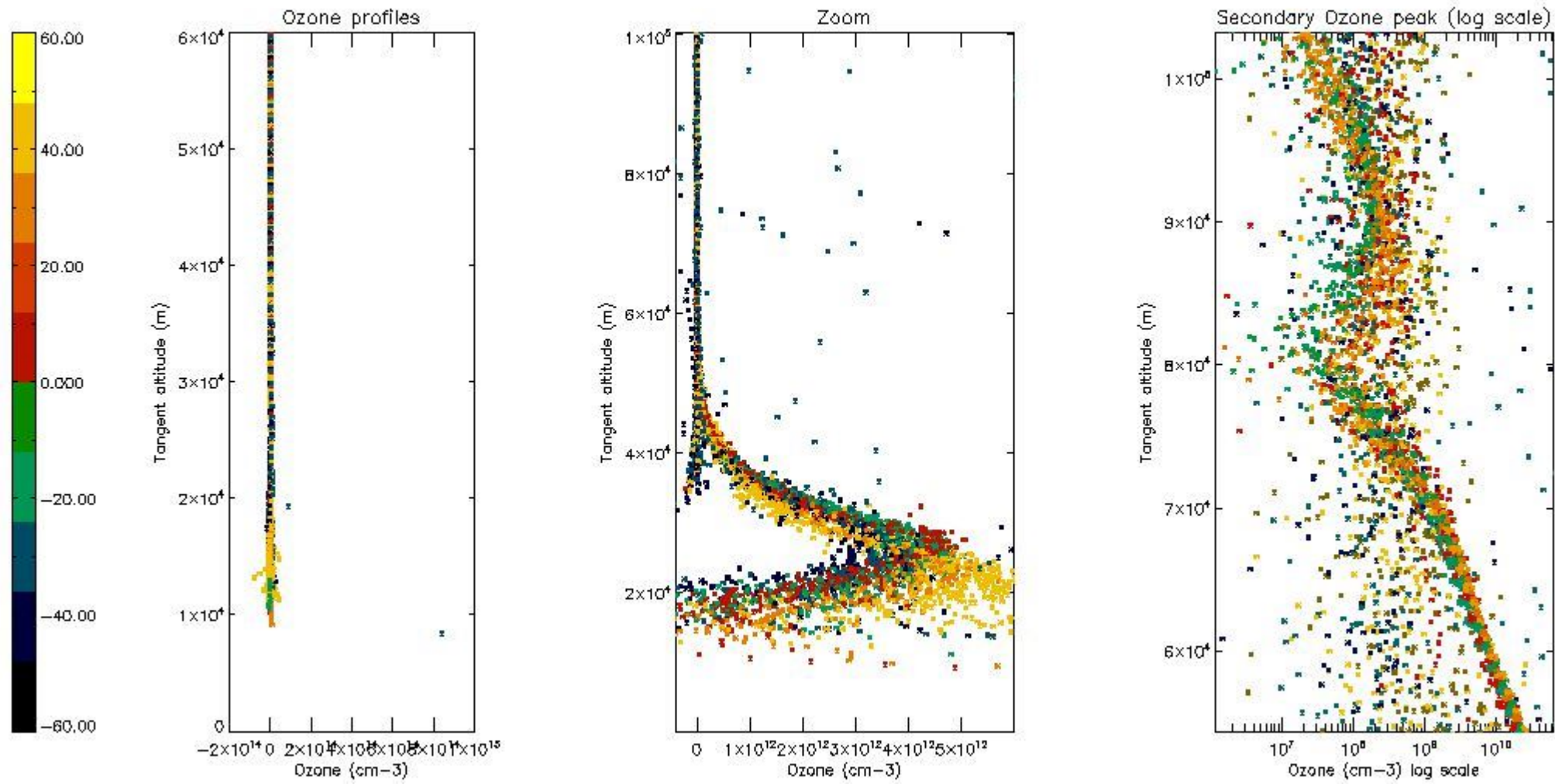
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	14

STD < 10	10
STD < 5	6

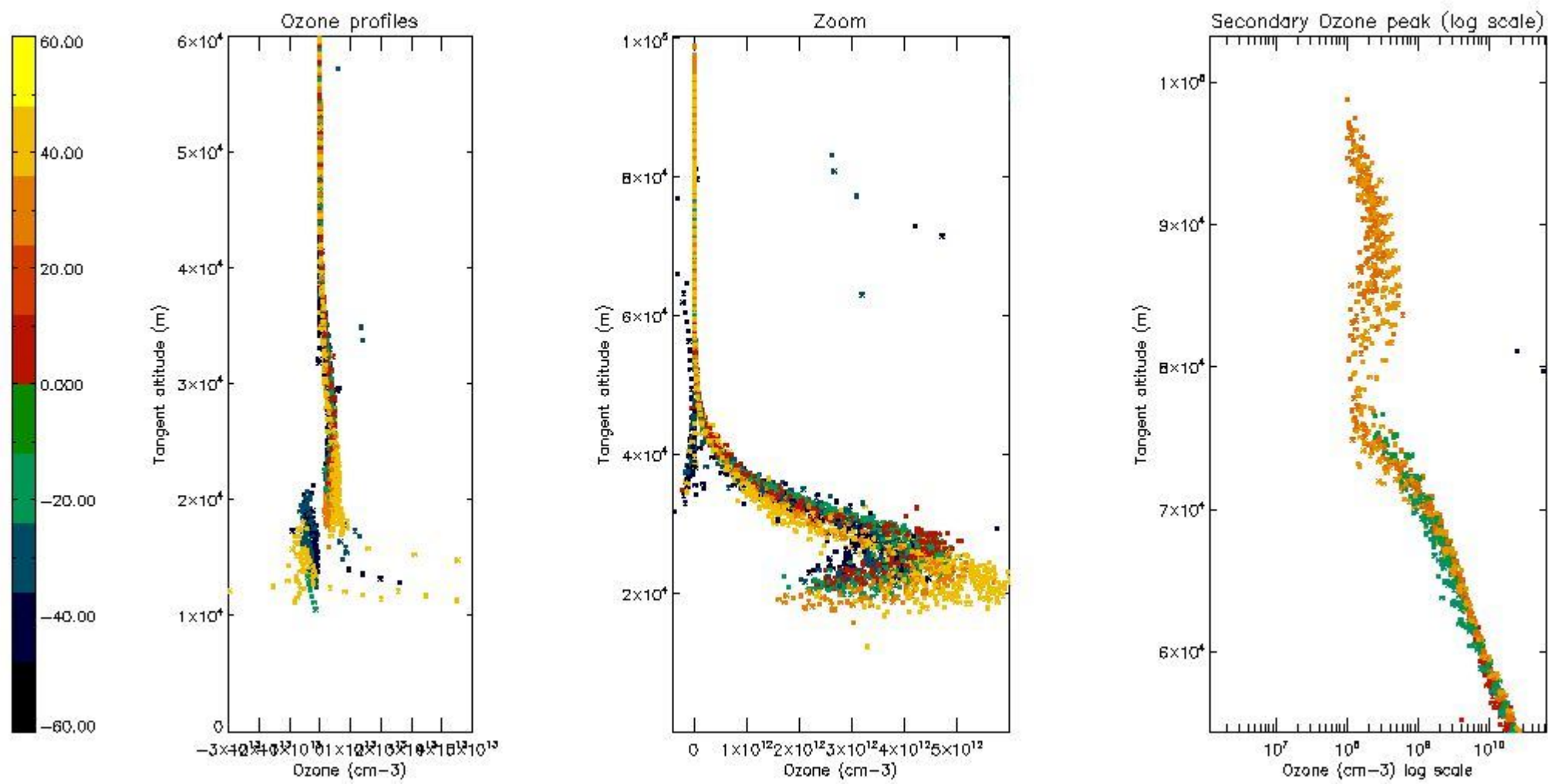
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



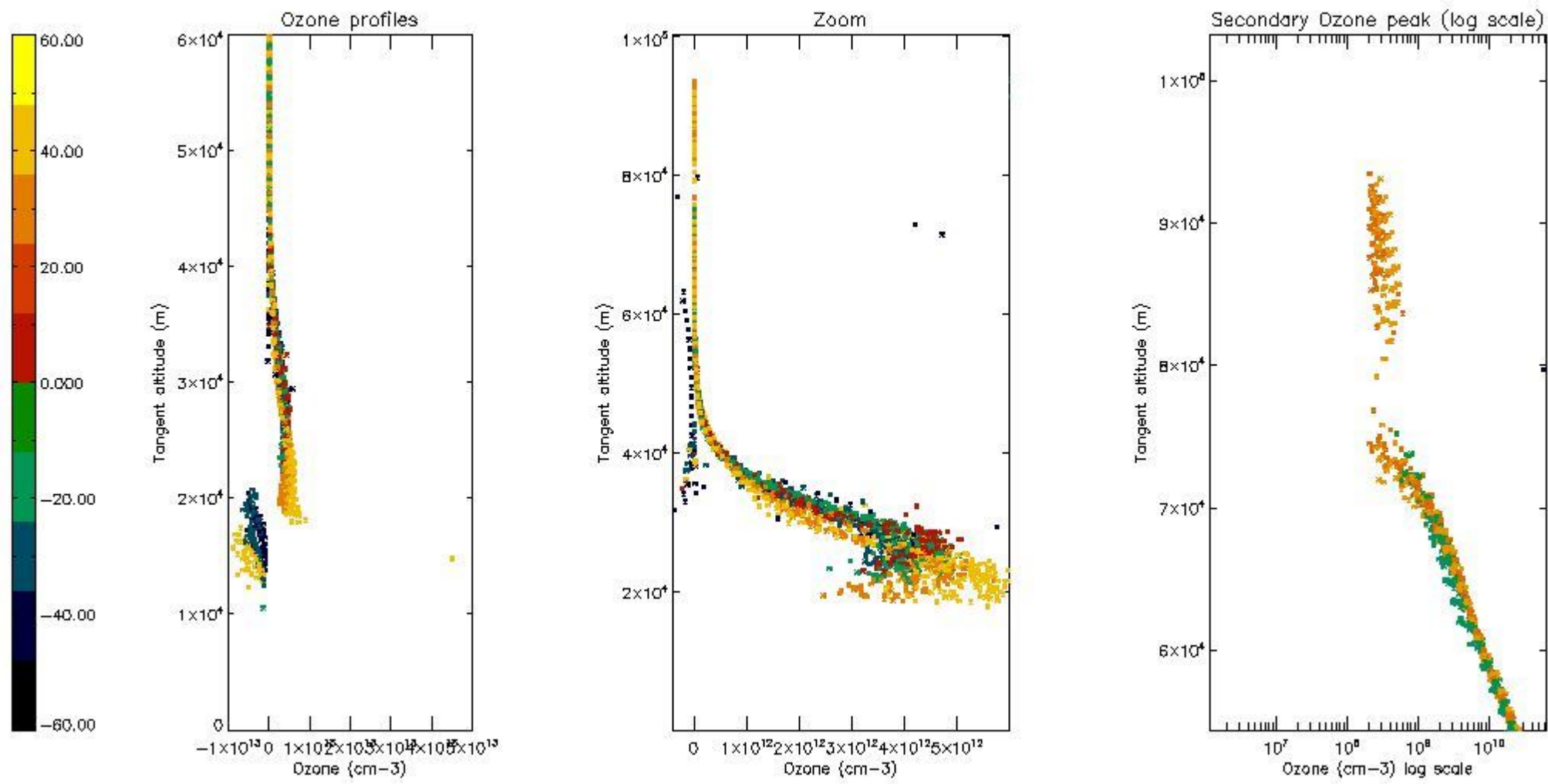
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



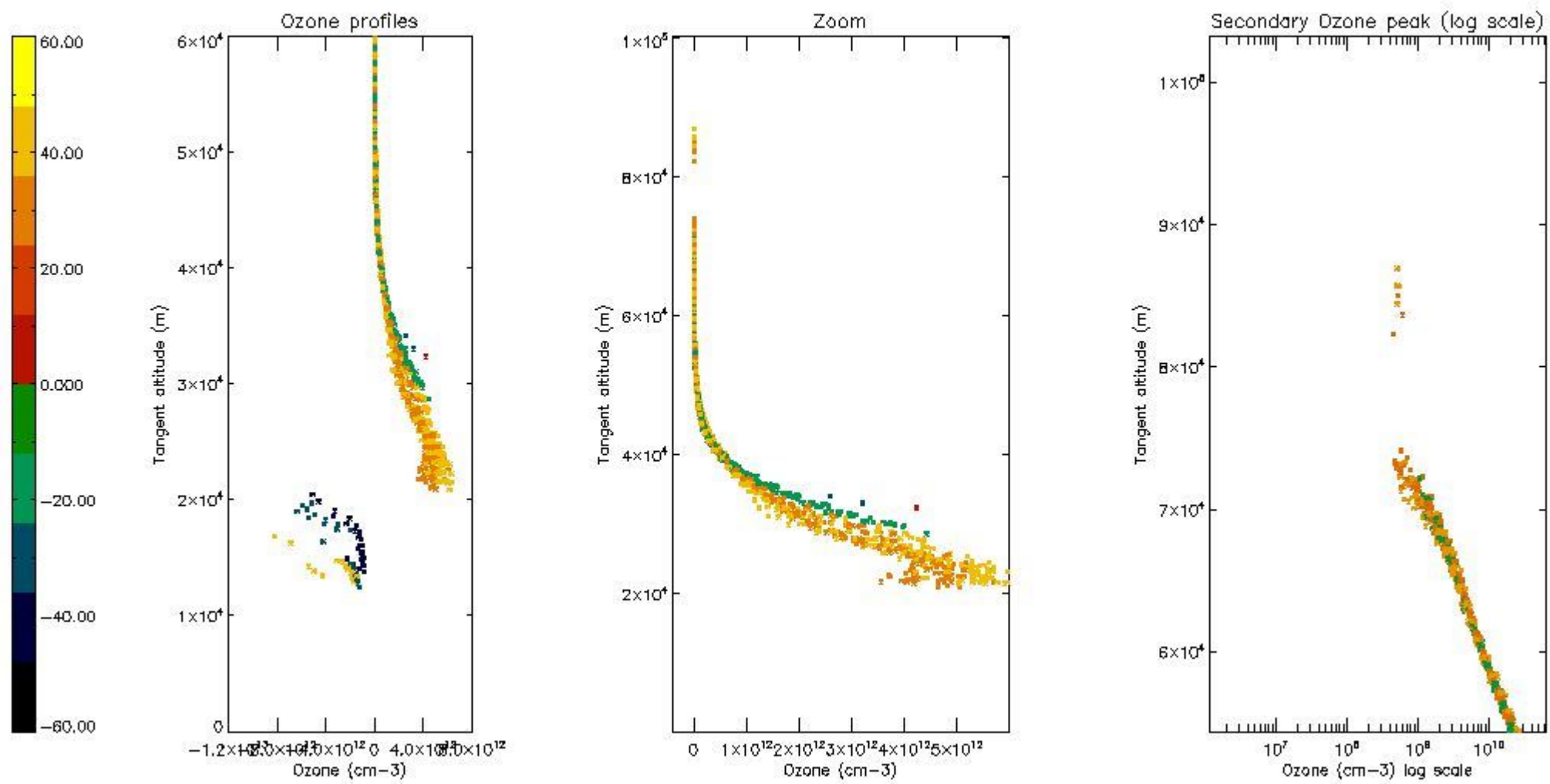
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



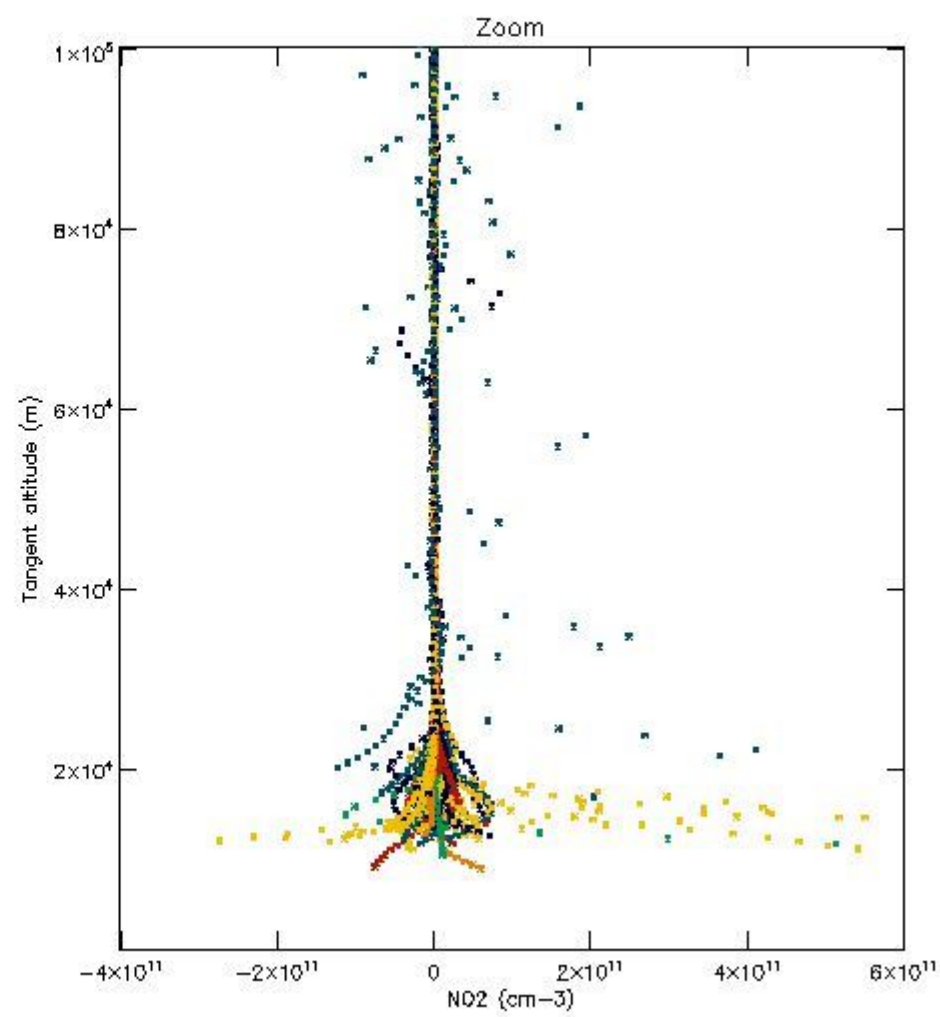
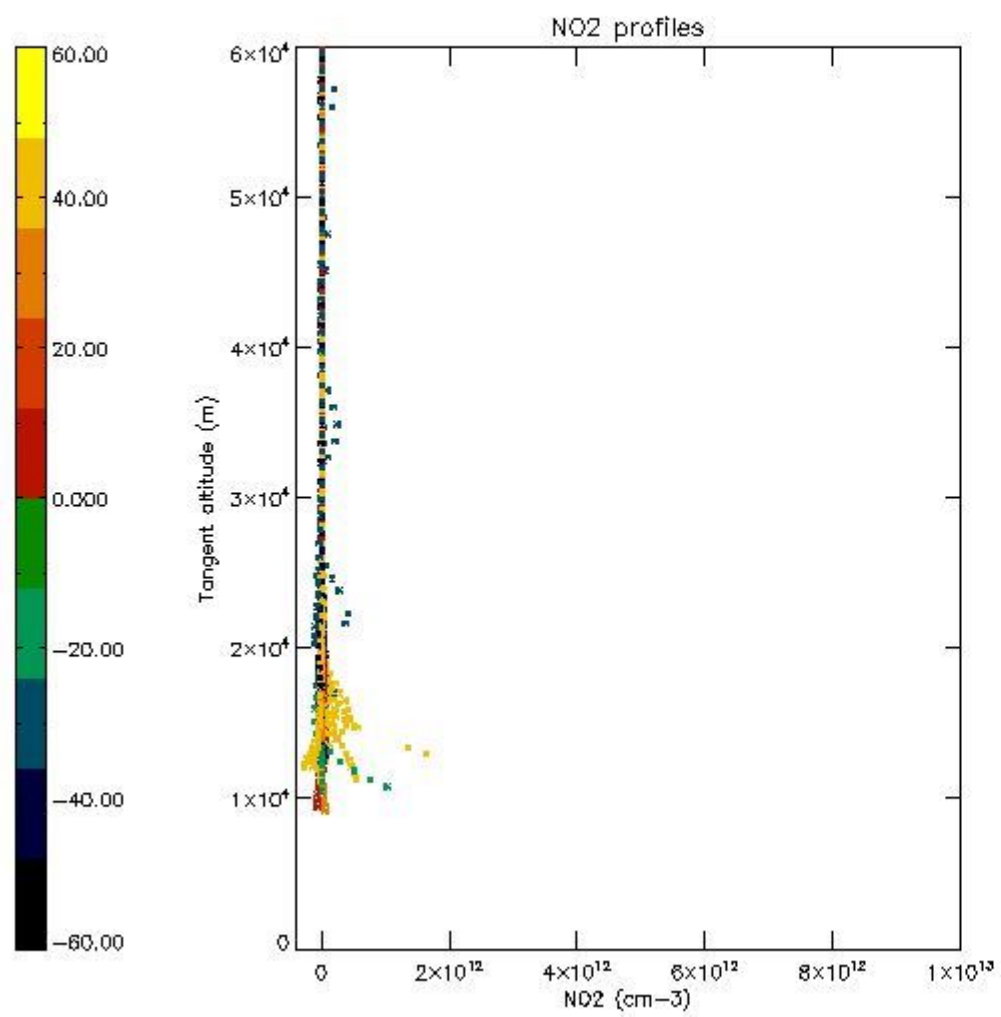
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



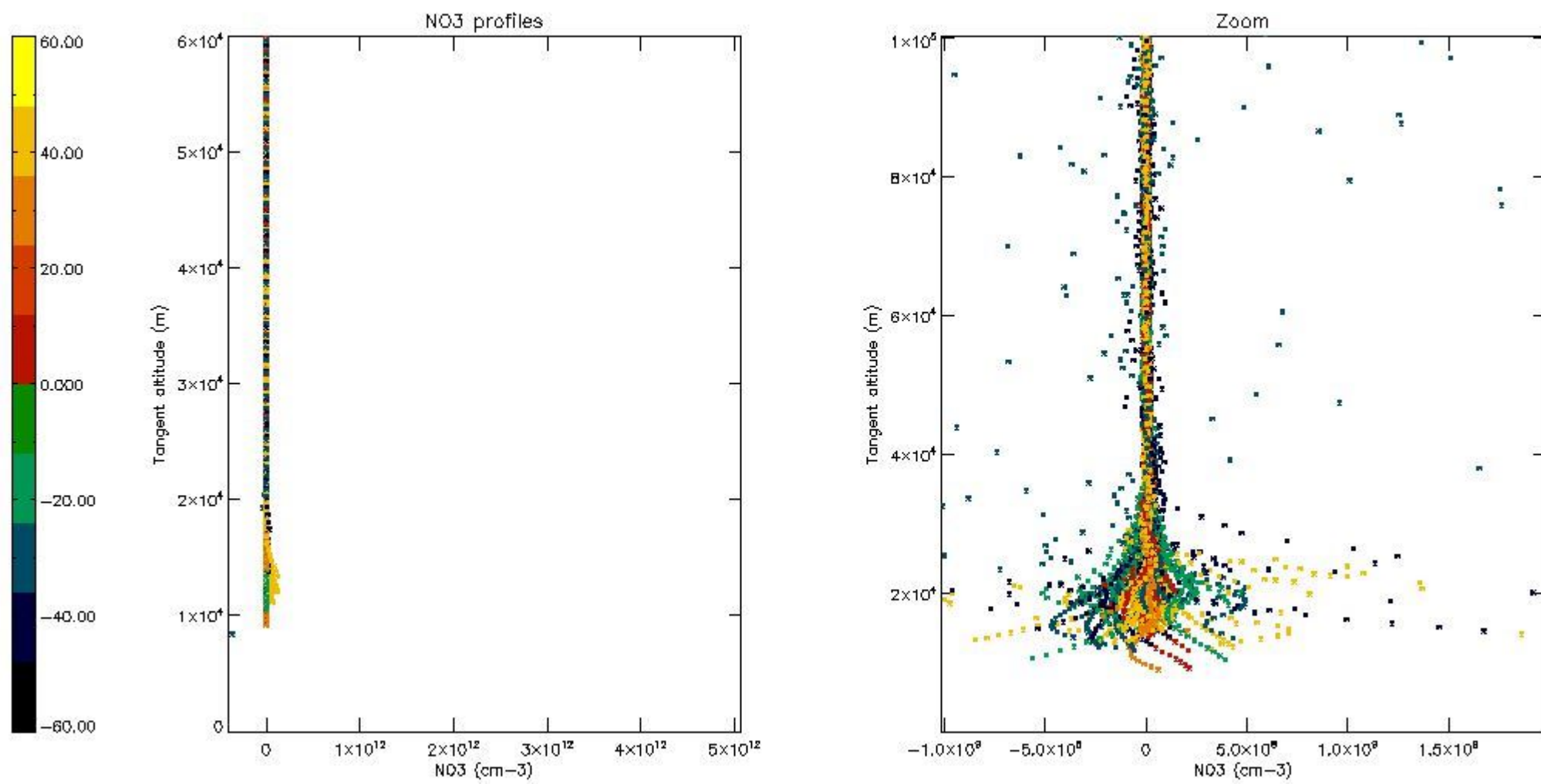
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



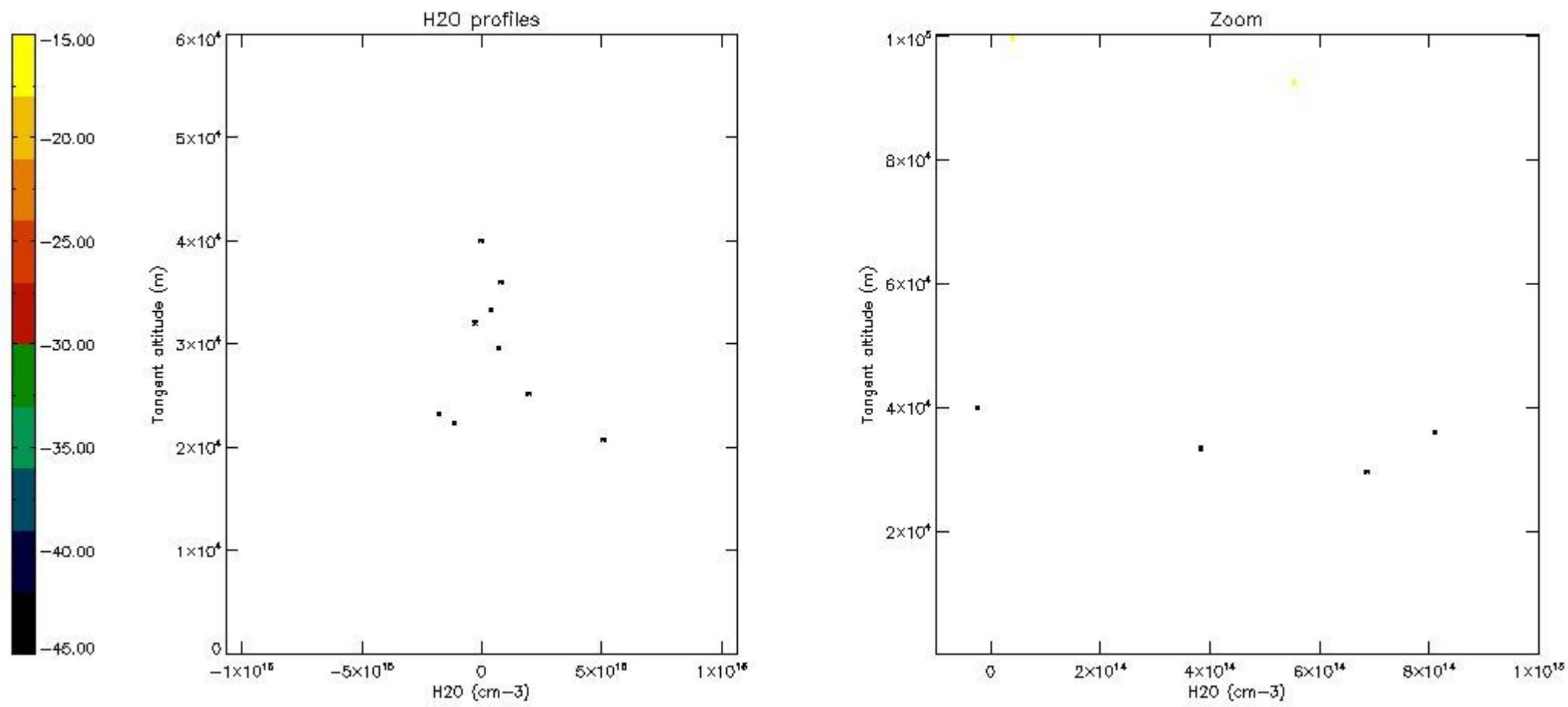
5.7 Plot NO3 profiles for all STD (dark without errors)

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	19-DEC-2009 00:00:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-DEC-2009 00:00:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-DEC-2009 00:00:12

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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	30APR2013 09:45:09
Data source version	GOMOS/6.01
Start time of products	19-12-2009 (19DEC2009 00:00:00)
Stop time of products	20-12-2009 (20DEC2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	384
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__2PRFIN20091219_000012_000000442085_00159_40794_7500.N1	19-DEC-2009 00:00:12	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	40794	No
2	GOM_NL__2PRFIN20091219_000254_000000402085_00159_40794_7501.N1	19-DEC-2009 00:02:54	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	40794	No
3	GOM_NL__2PRFIN20091219_000621_000000372085_00159_40794_7502.N1	19-DEC-2009 00:06:21	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	40794	No
4	GOM_NL__2PRFIN20091219_000937_000000552085_00159_40794_7503.N1	19-DEC-2009 00:09:37	Bright	55.000	83		2.3780	11000.	110	40794	No
5	GOM_NL__2PRFIN20091219_001303_000000622085_00159_40794_7504.N1	19-DEC-2009 00:13:03	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	40794	No
6	GOM_NL__2PRFIN20091219_002319_000000542085_00159_40794_7505.N1	19-DEC-2009 00:23:19	Twilight	53.500	15	67Alp Vir	0.97600	28000.	107	40794	No
7	GOM_NL__2PRFIN20091219_002650_000000492085_00159_40794_7506.N1	19-DEC-2009 00:26:50	Dark	48.500	169	46Gam Hya	2.9910	4700.0	97	40794	No
8	GOM_NL__2PRFIN20091219_002934_000000642085_00159_40794_7507.N1	19-DEC-2009 00:29:34	Dark	64.000	106	9Bet Crv	2.6480	5600.0	128	40794	No
9	GOM_NL__2PRFIN20091219_003403_000000462085_00159_40794_7508.N1	19-DEC-2009 00:34:03	Dark	45.500	64	Gam Cen	2.2000	10600.	91	40794	No
10	GOM_NL__2PRFIN20091219_003544_000000442085_00160_40795_7491.N1	19-DEC-2009 00:35:44	Dark	43.500	99	Del Cen	2.5750	26000.	87	40795	No
11	GOM_NL__2PRFIN20091219_003943_000000472085_00160_40795_7492.N1	19-DEC-2009 00:39:43	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40795	No
12	GOM_NL__2PRFIN20091219_004318_000000472085_00160_40795_7493.N1	19-DEC-2009 00:43:18	Dark	47.000	71	Iot Car	2.2460	7700.0	94	40795	No
13	GOM_NL__2PRFIN20091219_004801_000000462085_00160_40795_7494.N1	19-DEC-2009 00:48:01	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40795	No
14	GOM_NL__2PRFIN20091219_005011_000000522085_00160_40795_7495.N1	19-DEC-2009 00:50:11	Dark	51.500	70	Zet Pup	2.2460	39000.	103	40795	No
15	GOM_NL__2PRFIN20091219_005246_000000502085_00160_40795_7496.N1	19-DEC-2009 00:52:46	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40795	No
16	GOM_NL__2PRFIN20091219_005556_000000502085_00160_40795_7497.N1	19-DEC-2009 00:55:56	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40795	No
17	GOM_NL__2PRFIN20091219_005740_000000542085_00160_40795_7498.N1	19-DEC-2009 00:57:40	Straylight	53.500	179	24Omi2CMa	3.0320	24000.	107	40795	No
18	GOM_NL__2PRFIN20091219_010034_000000602085_00160_40795_7499.N1	19-DEC-2009 01:00:34	Straylight	60.000	1	9Alp CMa	-1.4400	11000.	120	40795	No
19	GOM_NL__2PRFIN20091219_010347_000000452085_00160_40795_7500.N1	19-DEC-2009 01:03:47	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	40795	No
20	GOM_NL__2PRFIN20091219_010556_000000472085_00160_40795_7501.N1	19-DEC-2009 01:05:56	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40795	No
21	GOM_NL__2PRFIN20091219_010856_000000602085_00160_40795_7502.N1	19-DEC-2009 01:08:56	Twilight	59.500	14	58Alp Ori	0.87000	3000.0	119	40795	No
22	GOM_NL__2PRFIN20091219_011103_000000522085_00160_40795_7503.N1	19-DEC-2009 01:11:03	Twilight	52.000	13	87Alp Tau	0.86700	3800.0	104	40795	No
23	GOM_NL__2PRFIN20091219_011304_000000432085_00160_40795_7504.N1	19-DEC-2009 01:13:04	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40795	No
24	GOM_NL__2PRFIN20091219_011508_000000432085_00160_40795_7505.N1	19-DEC-2009 01:15:08	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40795	No
25	GOM_NL__2PRFIN20091219_011834_000000422085_00160_40795_7506.N1	19-DEC-2009 01:18:34	Bright	42.000	107	37The Aur	2.6490	11000.	84	40795	No
26	GOM_NL__2PRFIN20091219_012002_000000452085_00160_40795_7507.N1	19-DEC-2009 01:20:02	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40795	No
27	GOM_NL__2PRFIN20091219_013618_000000382085_00160_40795_7508.N1	19-DEC-2009 01:36:18	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40795	No
28	GOM_NL__2PRFIN20091219_014047_000000562085_00160_40795_7509.N1	19-DEC-2009 01:40:47	Bright	55.500	32	77Eps UMa	1.7630	11000.	111	40795	No
29	GOM_NL__2PRFIN20091219_014329_000000542085_00160_40795_7510.N1	19-DEC-2009 01:43:29	Bright	53.500	39	85Eta UMa	1.8540	24000.	107	40795	No
30	GOM_NL__2PRFIN20091219_014657_000000372085_00160_40795_7511.N1	19-DEC-2009 01:46:57	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	40795	No
31	GOM_NL__2PRFIN20091219_015013_000000422085_00160_40795_7512.N1	19-DEC-2009 01:50:13	Bright	42.000	83		2.3780	11000.	84	40795	No
32	GOM_NL__2PRFIN20091219_015340_000000432085_00160_40795_7513.N1	19-DEC-2009 01:53:40	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	40795	No
33	GOM_NL__2PRFIN20091219_020356_000000502085_00160_40795_7514.N1	19-DEC-2009 02:03:56	Twilight	49.500	15	67Alp Vir	0.97600	28000.	99	40795	No
34	GOM_NL__2PRFIN20091219_020726_000000492085_00160_40795_7515.N1	19-DEC-2009 02:07:26	Dark	49.000	169	46Gam Hya	2.9910	4700.0	98	40795	No
35	GOM_NL__2PRFIN20091219_021011_000000542085_00160_40795_7516.N1	19-DEC-2009 02:10:11	Dark	53.500	106	9Bet Crv	2.6480	5600.0	107	40795	No
36	GOM_NL__2PRFIN20091219_021440_000000412085_00160_40795_7517.N1	19-DEC-2009 02:14:40	Dark	41.000	64	Gam Cen	2.2000	10600.	82	40795	No
37	GOM_NL__2PRFIN20091219_021621_000000442085_00161_40796_7541.N1	19-DEC-2009 02:16:21	Dark	44.000	99	Del Cen	2.5750	26000.	88	40796	No
38	GOM_NL__2PRFIN20091219_022020_000000462085_00161_40796_7542.N1	19-DEC-2009 02:20:20	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40796	No
39	GOM_NL__2PRFIN20091219_022355_000000412085_00161_40796_7543.N1	19-DEC-2009 02:23:55	Dark	41.000	71	Iot Car	2.2460	7700.0	82	40796	No
40	GOM_NL__2PRFIN20091219_022838_000000512085_00161_40796_7544.N1	19-DEC-2009 02:28:38	Dark	51.000	34	Gam2Vel	1.7930	23000.	102	40796	No
41	GOM_NL__2PRFIN20091219_023047_000000502085_00161_40796_7545.N1	19-DEC-2009 02:30:47	Dark	49.500	70	Zet Pup	2.2460	39000.	99	40796	No
42	GOM_NL__2PRFIN20091219_023323_000000522085_00161_40796_7546.N1	19-DEC-2009 02:33:23	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40796	No

43	GOM_NL__2PRFIN20091219_023632_00000532085_00161_40796_7547.N1	19-DEC-2009 02:36:32	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40796	No
44	GOM_NL__2PRFIN20091219_023816_00000512085_00161_40796_7548.N1	19-DEC-2009 02:38:16	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40796	No
45	GOM_NL__2PRFIN20091219_024111_00000592085_00161_40796_7549.N1	19-DEC-2009 02:41:11	Straylight	59.000	1	9Alp CMa	-1.4400	11000.	118	40796	No
46	GOM_NL__2PRFIN20091219_024423_00000482085_00161_40796_7550.N1	19-DEC-2009 02:44:23	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40796	No
47	GOM_NL__2PRFIN20091219_024632_00000482085_00161_40796_7551.N1	19-DEC-2009 02:46:32	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40796	No
48	GOM_NL__2PRFIN20091219_024932_00000632085_00161_40796_7552.N1	19-DEC-2009 02:49:32	Twi_and_stray	63.000	14	58Alp Ori	0.87000	3000.0	126	40796	No
49	GOM_NL__2PRFIN20091219_025139_00000532085_00161_40796_7553.N1	19-DEC-2009 02:51:39	Twi_and_stray	53.000	13	87Alp Tau	0.86700	3800.0	106	40796	No
50	GOM_NL__2PRFIN20091219_025339_00000432085_00161_40796_7554.N1	19-DEC-2009 02:53:39	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40796	No
51	GOM_NL__2PRFIN20091219_025543_00000402085_00161_40796_7555.N1	19-DEC-2009 02:55:43	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	40796	No
52	GOM_NL__2PRFIN20091219_025910_00000442085_00161_40796_7556.N1	19-DEC-2009 02:59:10	Bright	44.000	107	37The Aur	2.6490	11000.	88	40796	No
53	GOM_NL__2PRFIN20091219_030038_00000442085_00161_40796_7557.N1	19-DEC-2009 03:00:38	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	40796	No
54	GOM_NL__2PRFIN20091219_031654_00000392085_00161_40796_7558.N1	19-DEC-2009 03:16:54	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	40796	No
55	GOM_NL__2PRFIN20091219_032123_00000632085_00161_40796_7559.N1	19-DEC-2009 03:21:23	Bright	63.000	32	77Eps UMa	1.7630	11000.	126	40796	No
56	GOM_NL__2PRFIN20091219_032405_00000592085_00161_40796_7560.N1	19-DEC-2009 03:24:05	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40796	No
57	GOM_NL__2PRFIN20091219_032733_00000362085_00161_40796_7561.N1	19-DEC-2009 03:27:33	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	40796	No
58	GOM_NL__2PRFIN20091219_033050_00000552085_00161_40796_7562.N1	19-DEC-2009 03:30:50	Bright	55.000	83		2.3780	11000.	110	40796	No
59	GOM_NL__2PRFIN20091219_033416_00000402085_00161_40796_7563.N1	19-DEC-2009 03:34:16	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	40796	No
60	GOM_NL__2PRFIN20091219_034432_00000572085_00161_40796_7564.N1	19-DEC-2009 03:44:32	Twi_and_stray	57.000	15	67Alp Vir	0.97600	28000.	114	40796	No
61	GOM_NL__2PRFIN20091219_034803_00000482085_00161_40796_7565.N1	19-DEC-2009 03:48:03	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	40796	No
62	GOM_NL__2PRFIN20091219_035048_00000542085_00161_40796_7566.N1	19-DEC-2009 03:50:48	Dark	54.000	106	9Bet Crv	2.6480	5600.0	108	40796	No
63	GOM_NL__2PRFIN20091219_035517_00000442085_00161_40796_7567.N1	19-DEC-2009 03:55:17	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40796	No
64	GOM_NL__2PRFIN20091219_035658_00000412085_00162_40797_7546.N1	19-DEC-2009 03:56:58	Dark	40.500	99	Del Cen	2.5750	26000.	81	40797	No
65	GOM_NL__2PRFIN20091219_040057_00000492085_00162_40797_7547.N1	19-DEC-2009 04:00:57	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	40797	No
66	GOM_NL__2PRFIN20091219_040431_00000412085_00162_40797_7548.N1	19-DEC-2009 04:04:31	Dark	41.000	71	Iot Car	2.2460	7700.0	82	40797	No
67	GOM_NL__2PRFIN20091219_040915_00000482085_00162_40797_7549.N1	19-DEC-2009 04:09:15	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40797	No
68	GOM_NL__2PRFIN20091219_041124_00000492085_00162_40797_7550.N1	19-DEC-2009 04:11:24	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40797	No
69	GOM_NL__2PRFIN20091219_041359_00000512085_00162_40797_7551.N1	19-DEC-2009 04:13:59	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40797	No
70	GOM_NL__2PRFIN20091219_041709_00000522085_00162_40797_7552.N1	19-DEC-2009 04:17:09	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	40797	No
71	GOM_NL__2PRFIN20091219_041853_00000522085_00162_40797_7553.N1	19-DEC-2009 04:18:53	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	40797	No
72	GOM_NL__2PRFIN20091219_042147_00000562085_00162_40797_7554.N1	19-DEC-2009 04:21:47	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	40797	No
73	GOM_NL__2PRFIN20091219_042459_00000462085_00162_40797_7555.N1	19-DEC-2009 04:24:59	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	40797	No
74	GOM_NL__2PRFIN20091219_042709_00000462085_00162_40797_7556.N1	19-DEC-2009 04:27:09	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40797	No
75	GOM_NL__2PRFIN20091219_043008_00000642085_00162_40797_7557.N1	19-DEC-2009 04:30:08	Twi_and_stray	64.000	14	58Alp Ori	0.87000	3000.0	128	40797	No
76	GOM_NL__2PRFIN20091219_043215_00000482085_00162_40797_7558.N1	19-DEC-2009 04:32:15	Twi_and_stray	48.000	13	87Alp Tau	0.86700	3800.0	96	40797	No
77	GOM_NL__2PRFIN20091219_043415_00000432085_00162_40797_7559.N1	19-DEC-2009 04:34:15	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40797	No
78	GOM_NL__2PRFIN20091219_043619_00000422085_00162_40797_7560.N1	19-DEC-2009 04:36:19	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40797	No
79	GOM_NL__2PRFIN20091219_043946_00000422085_00162_40797_7561.N1	19-DEC-2009 04:39:46	Bright	42.000	107	37The Aur	2.6490	11000.	84	40797	No
80	GOM_NL__2PRFIN20091219_044114_00000452085_00162_40797_7562.N1	19-DEC-2009 04:41:14	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	40797	No
81	GOM_NL__2PRFIN20091219_045730_00000382085_00162_40797_7563.N1	19-DEC-2009 04:57:30	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40797	No
82	GOM_NL__2PRFIN20091219_050159_00000632085_00162_40797_7564.N1	19-DEC-2009 05:01:59	Bright	63.000	32	77Eps UMa	1.7630	11000.	126	40797	No
83	GOM_NL__2PRFIN20091219_050441_00000432085_00162_40797_7565.N1	19-DEC-2009 05:04:41	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	40797	No
84	GOM_NL__2PRFIN20091219_050809_00000452085_00162_40797_7566.N1	19-DEC-2009 05:08:09	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	40797	No
85	GOM_NL__2PRFIN20091219_051126_00000372085_00162_40797_7567.N1	19-DEC-2009 05:11:26	Bright	36.500	83		2.3780	11000.	73	40797	No
86	GOM_NL__2PRFIN20091219_051452_00000442085_00162_40797_7568.N1	19-DEC-2009 05:14:52	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	40797	No
87	GOM_NL__2PRFIN20091219_052509_00000552085_00162_40797_7569.N1	19-DEC-2009 05:25:09	Twi_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40797	No
88	GOM_NL__2PRFIN20091219_052840_00000492085_00162_40797_7570.N1	19-DEC-2009 05:28:40	Dark	48.500	169	46Gam Hya	2.9910	4700.0	97	40797	No
89	GOM_NL__2PRFIN20091219_053126_00000522085_00162_40797_7571.N1	19-DEC-2009 05:31:26	Dark	52.000	106	9Bet Crv	2.6480	5600.0	104	40797	No
90	GOM_NL__2PRFIN20091219_053553_00000432085_00162_40797_7572.N1	19-DEC-2009 05:35:53	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40797	No
91	GOM_NL__2PRFIN20091219_053734_00000432085_00163_40798_7554.N1	19-DEC-2009 05:37:34	Dark	42.500	99	Del Cen	2.5750	26000.	85	40798	No
92	GOM_NL__2PRFIN20091219_054134_00000552085_00163_40798_7555.N1	19-DEC-2009 05:41:34	Dark	54.500	113	Mu Vel	2.6920	5000.0	109	40798	No
93	GOM_NL__2PRFIN20091219_054508_00000412085_00163_40798_7556.N1	19-DEC-2009 05:45:08	Dark	40.500	71	Iot Car	2.2460	7700.0	81	40798	No
94	GOM_NL__2PRFIN20091219_054951_00000492085_00163_40798_7557.N1	19-DEC-2009 05:49:51	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	40798	No
95	GOM_NL__2PRFIN20091219_055201_00000492085_00163_40798_7558.N1	19-DEC-2009 05:52:01	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40798	No
96	GOM_NL__2PRFIN20091219_055436_00000522085_00163_40798_7559.N1	19-DEC-2009 05:54:36	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40798	No
97	GOM_NL__2PRFIN20091219_055745_00000512085_00163_40798_7560.N1	19-DEC-2009 05:57:45	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	40798	No
98	GOM_NL__2PRFIN20091219_055929_00000522085_00163_40798_7561.N1	19-DEC-2009 05:59:29	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	40798	No
99	GOM_NL__2PRFIN20091219_060223_00000572085_00163_40798_7562.N1	19-DEC-2009 06:02:23	Straylight	57.000	1	9Alp CMa	-1.4400	11000.	114	40798	No
100	GOM_NL__2PRFIN20091219_060535_00000472085_00163_40798_7563.N1	19-DEC-2009 06:05:35	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40798	No
101	GOM_NL__2PRFIN20091219_060744_00000472085_00163_40798_7564.N1	19-DEC-2009 06:07:44	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40798	No

102	GOM_NL__2PRFIN20091219_061044_000000612085_00163_40798_7565.N1	19-DEC-2009 06:10:44	Twilight	61.000	14	58Alp Ori	0.87000	3000.0	122	40798	No
103	GOM_NL__2PRFIN20091219_061251_000000432085_00163_40798_7566.N1	19-DEC-2009 06:12:51	Twilight	42.500	13	87Alp Tau	0.86700	3800.0	85	40798	No
104	GOM_NL__2PRFIN20091219_061451_000000442085_00163_40798_7567.N1	19-DEC-2009 06:14:51	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40798	No
105	GOM_NL__2PRFIN20091219_061655_000000422085_00163_40798_7568.N1	19-DEC-2009 06:16:55	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40798	No
106	GOM_NL__2PRFIN20091219_062021_000000442085_00163_40798_7569.N1	19-DEC-2009 06:20:21	Bright	43.500	107	37The Aur	2.6490	11000.	87	40798	No
107	GOM_NL__2PRFIN20091219_062149_000000482085_00163_40798_7570.N1	19-DEC-2009 06:21:49	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	40798	No
108	GOM_NL__2PRFIN20091219_063806_000000392085_00163_40798_7571.N1	19-DEC-2009 06:38:06	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	40798	No
109	GOM_NL__2PRFIN20091219_064234_000000632085_00163_40798_7572.N1	19-DEC-2009 06:42:34	Bright	63.000	32	77Eps UMa	1.7630	11000.	126	40798	No
110	GOM_NL__2PRFIN20091219_064517_000000422085_00163_40798_7573.N1	19-DEC-2009 06:45:17	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	40798	No
111	GOM_NL__2PRFIN20091219_064845_000000382085_00163_40798_7574.N1	19-DEC-2009 06:48:45	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	40798	No
112	GOM_NL__2PRFIN20091219_065202_000000372085_00163_40798_7575.N1	19-DEC-2009 06:52:02	Bright	36.500	83		2.3780	11000.	73	40798	No
113	GOM_NL__2PRFIN20091219_065529_000000422085_00163_40798_7576.N1	19-DEC-2009 06:55:29	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	40798	No
114	GOM_NL__2PRFIN20091219_070546_000000572085_00163_40798_7577.N1	19-DEC-2009 07:05:46	Twilight	56.500	15	67Alp Vir	0.97600	28000.	113	40798	No
115	GOM_NL__2PRFIN20091219_070917_000000482085_00163_40798_7578.N1	19-DEC-2009 07:09:17	Dark	47.500	169	46Gam Hya	2.9910	4700.0	95	40798	No
116	GOM_NL__2PRFIN20091219_071203_000000562085_00163_40798_7579.N1	19-DEC-2009 07:12:03	Dark	56.000	106	9Bet Crv	2.6480	5600.0	112	40798	No
117	GOM_NL__2PRFIN20091219_071630_000000452085_00163_40798_7580.N1	19-DEC-2009 07:16:30	Dark	44.500	64	Gam Cen	2.2000	10600.	89	40798	No
118	GOM_NL__2PRFIN20091219_071811_000000422085_00164_40799_7567.N1	19-DEC-2009 07:18:11	Dark	41.500	99	Del Cen	2.5750	26000.	83	40799	No
119	GOM_NL__2PRFIN20091219_072211_000000462085_00164_40799_7568.N1	19-DEC-2009 07:22:11	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40799	No
120	GOM_NL__2PRFIN20091219_072545_000000422085_00164_40799_7569.N1	19-DEC-2009 07:25:45	Dark	42.000	71	Iot Car	2.2460	7700.0	84	40799	No
121	GOM_NL__2PRFIN20091219_073028_000000462085_00164_40799_7570.N1	19-DEC-2009 07:30:28	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40799	No
122	GOM_NL__2PRFIN20091219_073238_000000492085_00164_40799_7571.N1	19-DEC-2009 07:32:38	Dark	49.000	70	Zet Pup	2.2460	39000.	98	40799	No
123	GOM_NL__2PRFIN20091219_073512_000000512085_00164_40799_7572.N1	19-DEC-2009 07:35:12	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40799	No
124	GOM_NL__2PRFIN20091219_073821_000000552085_00164_40799_7573.N1	19-DEC-2009 07:38:21	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	40799	No
125	GOM_NL__2PRFIN20091219_074005_000000532085_00164_40799_7574.N1	19-DEC-2009 07:40:05	Straylight	52.500	179	24Omi2CMa	3.0320	24000.	105	40799	No
126	GOM_NL__2PRFIN20091219_074259_000000582085_00164_40799_7575.N1	19-DEC-2009 07:42:59	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	40799	No
127	GOM_NL__2PRFIN20091219_074611_000000452085_00164_40799_7576.N1	19-DEC-2009 07:46:11	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	40799	No
128	GOM_NL__2PRFIN20091219_074820_000000452085_00164_40799_7577.N1	19-DEC-2009 07:48:20	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	40799	No
129	GOM_NL__2PRFIN20091219_075119_000000562085_00164_40799_7578.N1	19-DEC-2009 07:51:19	Twilight	55.500	14	58Alp Ori	0.87000	3000.0	111	40799	No
130	GOM_NL__2PRFIN20091219_075327_000000482085_00164_40799_7579.N1	19-DEC-2009 07:53:27	Twilight	48.000	13	87Alp Tau	0.86700	3800.0	96	40799	No
131	GOM_NL__2PRFIN20091219_075526_000000422085_00164_40799_7580.N1	19-DEC-2009 07:55:26	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	40799	No
132	GOM_NL__2PRFIN20091219_075730_000000422085_00164_40799_7581.N1	19-DEC-2009 07:57:30	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40799	No
133	GOM_NL__2PRFIN20091219_080056_000000422085_00164_40799_7582.N1	19-DEC-2009 08:00:56	Bright	42.000	107	37The Aur	2.6490	11000.	84	40799	No
134	GOM_NL__2PRFIN20091219_080225_000000412085_00164_40799_7583.N1	19-DEC-2009 08:02:25	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	40799	No
135	GOM_NL__2PRFIN20091219_081842_000000392085_00164_40799_7584.N1	19-DEC-2009 08:18:42	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40799	No
136	GOM_NL__2PRFIN20091219_082310_000000492085_00164_40799_7585.N1	19-DEC-2009 08:23:10	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	40799	No
137	GOM_NL__2PRFIN20091219_082553_000000592085_00164_40799_7586.N1	19-DEC-2009 08:25:53	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40799	No
138	GOM_NL__2PRFIN20091219_082921_000000372085_00164_40799_7587.N1	19-DEC-2009 08:29:21	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	40799	No
139	GOM_NL__2PRFIN20091219_083238_000000392085_00164_40799_7588.N1	19-DEC-2009 08:32:38	Bright	38.500	83		2.3780	11000.	77	40799	No
140	GOM_NL__2PRFIN20091219_083605_000000622085_00164_40799_7589.N1	19-DEC-2009 08:36:05	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	40799	No
141	GOM_NL__2PRFIN20091219_084623_000000522085_00164_40799_7590.N1	19-DEC-2009 08:46:23	Twilight	51.500	15	67Alp Vir	0.97600	28000.	103	40799	No
142	GOM_NL__2PRFIN20091219_084954_000000492085_00164_40799_7591.N1	19-DEC-2009 08:49:54	Dark	49.000	169	46Gam Hya	2.9910	4700.0	98	40799	No
143	GOM_NL__2PRFIN20091219_085240_000000542085_00164_40799_7592.N1	19-DEC-2009 08:52:40	Dark	53.500	106	9Bet Crv	2.6480	5600.0	107	40799	No
144	GOM_NL__2PRFIN20091219_085707_000000412085_00164_40799_7593.N1	19-DEC-2009 08:57:07	Dark	40.500	64	Gam Cen	2.2000	10600.	81	40799	No
145	GOM_NL__2PRFIN20091219_085847_000000422085_00165_40800_7576.N1	19-DEC-2009 08:58:47	Dark	41.500	99	Del Cen	2.5750	26000.	83	40800	No
146	GOM_NL__2PRFIN20091219_090247_000000452085_00165_40800_7577.N1	19-DEC-2009 09:02:47	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40800	No
147	GOM_NL__2PRFIN20091219_090621_000000412085_00165_40800_7578.N1	19-DEC-2009 09:06:21	Dark	41.000	71	Iot Car	2.2460	7700.0	82	40800	No
148	GOM_NL__2PRFIN20091219_091105_000000482085_00165_40800_7579.N1	19-DEC-2009 09:11:05	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40800	No
149	GOM_NL__2PRFIN20091219_091314_000000512085_00165_40800_7580.N1	19-DEC-2009 09:13:14	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40800	No
150	GOM_NL__2PRFIN20091219_091549_000000532085_00165_40800_7581.N1	19-DEC-2009 09:15:49	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40800	No
151	GOM_NL__2PRFIN20091219_091858_000000502085_00165_40800_7582.N1	19-DEC-2009 09:18:58	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40800	No
152	GOM_NL__2PRFIN20091219_092041_000000522085_00165_40800_7583.N1	19-DEC-2009 09:20:41	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	40800	No
153	GOM_NL__2PRFIN20091219_092335_000000562085_00165_40800_7584.N1	19-DEC-2009 09:23:35	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	40800	No
154	GOM_NL__2PRFIN20091219_092647_000000462085_00165_40800_7585.N1	19-DEC-2009 09:26:47	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	40800	No
155	GOM_NL__2PRFIN20091219_092856_000000482085_00165_40800_7586.N1	19-DEC-2009 09:28:56	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40800	No
156	GOM_NL__2PRFIN20091219_093155_000000632085_00165_40800_7587.N1	19-DEC-2009 09:31:55	Twilight	63.000	14	58Alp Ori	0.87000	3000.0	126	40800	No
157	GOM_NL__2PRFIN20091219_093403_000000532085_00165_40800_7588.N1	19-DEC-2009 09:34:03	Twilight	52.500	13	87Alp Tau	0.86700	3800.0	105	40800	No
158	GOM_NL__2PRFIN20091219_093602_000000402085_00165_40800_7589.N1	19-DEC-2009 09:36:02	Bright	40.000	176	23Zet Tau	3.0200	22000.	80	40800	No
159	GOM_NL__2PRFIN20091219_093806_000000422085_00165_40800_7590.N1	19-DEC-2009 09:38:06	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40800	No
160	GOM_NL__2PRFIN20091219_094132_000000412085_00165_40800_7591.N1	19-DEC-2009 09:41:32	Bright	41.000	107	37The Aur	2.6490	11000.	82	40800	No

161	GOM_NL__2PRFIN20091219_094301_000000442085_00165_40800_7592.N1	19-DEC-2009 09:43:01	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40800	No
162	GOM_NL__2PRFIN20091219_095918_000000402085_00165_40800_7593.N1	19-DEC-2009 09:59:18	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40800	No
163	GOM_NL__2PRFIN20091219_100346_000000462085_00165_40800_7594.N1	19-DEC-2009 10:03:46	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40800	No
164	GOM_NL__2PRFIN20091219_100629_000000592085_00165_40800_7595.N1	19-DEC-2009 10:06:29	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40800	No
165	GOM_NL__2PRFIN20091219_100957_000000362085_00165_40800_7596.N1	19-DEC-2009 10:09:57	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	40800	No
166	GOM_NL__2PRFIN20091219_101314_000000382085_00165_40800_7597.N1	19-DEC-2009 10:13:14	Bright	37.500	83		2.3780	11000.	75	40800	No
167	GOM_NL__2PRFIN20091219_101641_000000622085_00165_40800_7598.N1	19-DEC-2009 10:16:41	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	40800	No
168	GOM_NL__2PRFIN20091219_102659_000000522085_00165_40800_7599.N1	19-DEC-2009 10:26:59	Tw_i_and_stray	51.500	15	67Alp Vir	0.97600	28000.	103	40800	No
169	GOM_NL__2PRFIN20091219_103030_000000452085_00165_40800_7600.N1	19-DEC-2009 10:30:30	Dark	44.500	169	46Gam Hya	2.9910	4700.0	89	40800	No
170	GOM_NL__2PRFIN20091219_103317_000000592085_00165_40800_7601.N1	19-DEC-2009 10:33:17	Dark	58.500	106	9Bet Crv	2.6480	5600.0	117	40800	No
171	GOM_NL__2PRFIN20091219_103924_000000432085_00166_40801_7585.N1	19-DEC-2009 10:39:24	Dark	42.500	99	Del Cen	2.5750	26000.	85	40801	No
172	GOM_NL__2PRFIN20091219_104324_000000462085_00166_40801_7586.N1	19-DEC-2009 10:43:24	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40801	No
173	GOM_NL__2PRFIN20091219_104658_000000412085_00166_40801_7587.N1	19-DEC-2009 10:46:58	Dark	40.500	71	lot Car	2.2460	7700.0	81	40801	No
174	GOM_NL__2PRFIN20091219_105141_000000542085_00166_40801_7588.N1	19-DEC-2009 10:51:41	Dark	54.000	34	Gam2Vel	1.7930	23000.	108	40801	No
175	GOM_NL__2PRFIN20091219_105351_000000492085_00166_40801_7589.N1	19-DEC-2009 10:53:51	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40801	No
176	GOM_NL__2PRFIN20091219_105625_000000532085_00166_40801_7590.N1	19-DEC-2009 10:56:25	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40801	No
177	GOM_NL__2PRFIN20091219_105934_000000492085_00166_40801_7591.N1	19-DEC-2009 10:59:34	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	40801	No
178	GOM_NL__2PRFIN20091219_110118_000000532085_00166_40801_7592.N1	19-DEC-2009 11:01:18	Straylight	53.000	179	24Omi2CMa	3.0320	24000.	106	40801	No
179	GOM_NL__2PRFIN20091219_110411_000000582085_00166_40801_7593.N1	19-DEC-2009 11:04:11	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	40801	No
180	GOM_NL__2PRFIN20091219_110723_000000482085_00166_40801_7594.N1	19-DEC-2009 11:07:23	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40801	No
181	GOM_NL__2PRFIN20091219_110932_000000472085_00166_40801_7595.N1	19-DEC-2009 11:09:32	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40801	No
182	GOM_NL__2PRFIN20091219_111231_000000542085_00166_40801_7596.N1	19-DEC-2009 11:12:31	Tw_i_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	40801	No
183	GOM_NL__2PRFIN20091219_111439_000000442085_00166_40801_7597.N1	19-DEC-2009 11:14:39	Tw_i_and_stray	44.000	13	87Alp Tau	0.86700	3800.0	88	40801	No
184	GOM_NL__2PRFIN20091219_111637_000000432085_00166_40801_7598.N1	19-DEC-2009 11:16:37	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40801	No
185	GOM_NL__2PRFIN20091219_111841_000000412085_00166_40801_7599.N1	19-DEC-2009 11:18:41	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40801	No
186	GOM_NL__2PRFIN20091219_112207_000000442085_00166_40801_7600.N1	19-DEC-2009 11:22:07	Bright	44.000	107	37The Aur	2.6490	11000.	88	40801	No
187	GOM_NL__2PRFIN20091219_112336_000000442085_00166_40801_7601.N1	19-DEC-2009 11:23:36	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40801	No
188	GOM_NL__2PRFIN20091219_113954_000000432085_00166_40801_7602.N1	19-DEC-2009 11:39:54	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	40801	No
189	GOM_NL__2PRFIN20091219_114421_000000462085_00166_40801_7603.N1	19-DEC-2009 11:44:21	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	40801	No
190	GOM_NL__2PRFIN20091219_114705_000000402085_00166_40801_7604.N1	19-DEC-2009 11:47:05	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40801	No
191	GOM_NL__2PRFIN20091219_115033_000000562085_00166_40801_7605.N1	19-DEC-2009 11:50:33	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	40801	No
192	GOM_NL__2PRFIN20091219_115350_000000552085_00166_40801_7606.N1	19-DEC-2009 11:53:50	Bright	55.000	83		2.3780	11000.	110	40801	No
193	GOM_NL__2PRFIN20091219_115717_000000532085_00166_40801_7607.N1	19-DEC-2009 11:57:17	Bright	52.500	111	8Eta Boo	2.6800	6000.0	105	40801	No
194	GOM_NL__2PRFIN20091219_120736_000000522085_00166_40801_7608.N1	19-DEC-2009 12:07:36	Tw_i_and_stray	51.500	15	67Alp Vir	0.97600	28000.	103	40801	No
195	GOM_NL__2PRFIN20091219_121107_000000512085_00166_40801_7609.N1	19-DEC-2009 12:11:07	Dark	50.500	169	46Gam Hya	2.9910	4700.0	101	40801	No
196	GOM_NL__2PRFIN20091219_121354_000000602085_00166_40801_7610.N1	19-DEC-2009 12:13:54	Dark	59.500	106	9Bet Crv	2.6480	5600.0	119	40801	No
197	GOM_NL__2PRFIN20091219_122001_000000432085_00167_40802_7598.N1	19-DEC-2009 12:20:01	Dark	43.000	99	Del Cen	2.5750	26000.	86	40802	No
198	GOM_NL__2PRFIN20091219_122401_000000472085_00167_40802_7599.N1	19-DEC-2009 12:24:01	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40802	No
199	GOM_NL__2PRFIN20091219_122734_000000412085_00167_40802_7600.N1	19-DEC-2009 12:27:34	Dark	40.500	71	lot Car	2.2460	7700.0	81	40802	No
200	GOM_NL__2PRFIN20091219_123218_000000452085_00167_40802_7601.N1	19-DEC-2009 12:32:18	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40802	No
201	GOM_NL__2PRFIN20091219_123427_000000512085_00167_40802_7602.N1	19-DEC-2009 12:34:27	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40802	No
202	GOM_NL__2PRFIN20091219_123701_000000532085_00167_40802_7603.N1	19-DEC-2009 12:37:01	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40802	No
203	GOM_NL__2PRFIN20091219_124010_000000522085_00167_40802_7604.N1	19-DEC-2009 12:40:10	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	40802	No
204	GOM_NL__2PRFIN20091219_124154_000000512085_00167_40802_7605.N1	19-DEC-2009 12:41:54	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40802	No
205	GOM_NL__2PRFIN20091219_124447_000000592085_00167_40802_7606.N1	19-DEC-2009 12:44:47	Straylight	58.500	1	9Alp CMa	-1.4400	11000.	117	40802	No
206	GOM_NL__2PRFIN20091219_124759_000000482085_00167_40802_7607.N1	19-DEC-2009 12:47:59	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	40802	No
207	GOM_NL__2PRFIN20091219_125008_000000472085_00167_40802_7608.N1	19-DEC-2009 12:50:08	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40802	No
208	GOM_NL__2PRFIN20091219_125306_000000552085_00167_40802_7609.N1	19-DEC-2009 12:53:06	Tw_i_and_stray	54.500	14	58Alp Ori	0.87000	3000.0	109	40802	No
209	GOM_NL__2PRFIN20091219_125515_000000462085_00167_40802_7610.N1	19-DEC-2009 12:55:15	Tw_i_and_stray	45.500	13	87Alp Tau	0.86700	3800.0	91	40802	No
210	GOM_NL__2PRFIN20091219_125713_000000422085_00167_40802_7611.N1	19-DEC-2009 12:57:13	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40802	No
211	GOM_NL__2PRFIN20091219_125917_000000442085_00167_40802_7612.N1	19-DEC-2009 12:59:17	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	40802	No
212	GOM_NL__2PRFIN20091219_130242_000000432085_00167_40802_7613.N1	19-DEC-2009 13:02:42	Bright	43.000	107	37The Aur	2.6490	11000.	86	40802	No
213	GOM_NL__2PRFIN20091219_130412_000000442085_00167_40802_7614.N1	19-DEC-2009 13:04:12	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40802	No
214	GOM_NL__2PRFIN20091219_132030_000000372085_00167_40802_7615.N1	19-DEC-2009 13:20:30	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	40802	No
215	GOM_NL__2PRFIN20091219_132457_000000442085_00167_40802_7616.N1	19-DEC-2009 13:24:57	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	40802	No
216	GOM_NL__2PRFIN20091219_132740_000000432085_00167_40802_7617.N1	19-DEC-2009 13:27:40	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	40802	No
217	GOM_NL__2PRFIN20091219_133109_000000382085_00167_40802_7618.N1	19-DEC-2009 13:31:09	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	40802	No
218	GOM_NL__2PRFIN20091219_133426_000000362085_00167_40802_7619.N1	19-DEC-2009 13:34:26	Bright	35.500	83		2.3780	11000.	71	40802	No
219	GOM_NL__2PRFIN20091219_133753_000000422085_00167_40802_7620.N1	19-DEC-2009 13:37:53	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	40802	No

220	GOM_NL__2PRFIN20091219_134813_000000542085_00167_40802_7621.N1	19-DEC-2009 13:48:13	Twilight	53.500	15	67Alp Vir	0.97600	28000.	107	40802	No
221	GOM_NL__2PRFIN20091219_135143_000000502085_00167_40802_7622.N1	19-DEC-2009 13:51:43	Dark	49.500	169	46Gam Hya	2.9910	4700.0	99	40802	No
222	GOM_NL__2PRFIN20091219_135431_000000522085_00167_40802_7623.N1	19-DEC-2009 13:54:31	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	40802	No
223	GOM_NL__2PRFIN20091219_135856_000000482085_00167_40802_7624.N1	19-DEC-2009 13:58:56	Dark	47.500	64	Gam Cen	2.2000	10600.	95	40802	No
224	GOM_NL__2PRFIN20091219_140037_000000422085_00168_40803_7609.N1	19-DEC-2009 14:00:37	Dark	42.000	99	Del Cen	2.5750	26000.	84	40803	No
225	GOM_NL__2PRFIN20091219_140438_000000492085_00168_40803_7610.N1	19-DEC-2009 14:04:38	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	40803	No
226	GOM_NL__2PRFIN20091219_140811_000000422085_00168_40803_7611.N1	19-DEC-2009 14:08:11	Dark	42.000	71	Iot Car	2.2460	7700.0	84	40803	No
227	GOM_NL__2PRFIN20091219_141254_000000482085_00168_40803_7612.N1	19-DEC-2009 14:12:54	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40803	No
228	GOM_NL__2PRFIN20091219_141504_000000502085_00168_40803_7613.N1	19-DEC-2009 14:15:04	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40803	No
229	GOM_NL__2PRFIN20091219_141738_000000522085_00168_40803_7614.N1	19-DEC-2009 14:17:38	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40803	No
230	GOM_NL__2PRFIN20091219_142046_000000542085_00168_40803_7615.N1	19-DEC-2009 14:20:46	Straylight	54.000	23	21Eps CMa	1.5020	26000.	108	40803	No
231	GOM_NL__2PRFIN20091219_142230_000000502085_00168_40803_7616.N1	19-DEC-2009 14:22:30	Straylight	49.500	179	24Omi2CMa	3.0320	24000.	99	40803	No
232	GOM_NL__2PRFIN20091219_142523_000000612085_00168_40803_7617.N1	19-DEC-2009 14:25:23	Straylight	60.500	1	9Alp CMa	-1.4400	11000.	121	40803	No
233	GOM_NL__2PRFIN20091219_142835_000000502085_00168_40803_7618.N1	19-DEC-2009 14:28:35	Straylight	49.500	7	19Bet Ori	0.10000	14000.	99	40803	No
234	GOM_NL__2PRFIN20091219_143044_000000472085_00168_40803_7619.N1	19-DEC-2009 14:30:44	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40803	No
235	GOM_NL__2PRFIN20091219_143342_000000612085_00168_40803_7620.N1	19-DEC-2009 14:33:42	Twilight	61.000	14	58Alp Ori	0.87000	3000.0	122	40803	No
236	GOM_NL__2PRFIN20091219_143551_000000442085_00168_40803_7621.N1	19-DEC-2009 14:35:51	Twilight	44.000	13	87Alp Tau	0.86700	3800.0	88	40803	No
237	GOM_NL__2PRFIN20091219_143749_000000432085_00168_40803_7622.N1	19-DEC-2009 14:37:49	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40803	No
238	GOM_NL__2PRFIN20091219_143953_000000432085_00168_40803_7623.N1	19-DEC-2009 14:39:53	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40803	No
239	GOM_NL__2PRFIN20091219_144318_000000442085_00168_40803_7624.N1	19-DEC-2009 14:43:18	Bright	44.000	107	37The Aur	2.6490	11000.	88	40803	No
240	GOM_NL__2PRFIN20091219_144447_000000422085_00168_40803_7625.N1	19-DEC-2009 14:44:47	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	40803	No
241	GOM_NL__2PRFIN20091219_150106_000000382085_00168_40803_7626.N1	19-DEC-2009 15:01:06	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	40803	No
242	GOM_NL__2PRFIN20091219_150533_000000412085_00168_40803_7627.N1	19-DEC-2009 15:05:33	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	40803	No
243	GOM_NL__2PRFIN20091219_150816_000000532085_00168_40803_7628.N1	19-DEC-2009 15:08:16	Bright	52.500	39	85Eta UMa	1.8540	24000.	105	40803	No
244	GOM_NL__2PRFIN20091219_151145_000000562085_00168_40803_7629.N1	19-DEC-2009 15:11:45	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	40803	No
245	GOM_NL__2PRFIN20091219_151502_000000372085_00168_40803_7630.N1	19-DEC-2009 15:15:02	Bright	37.000	83		2.3780	11000.	74	40803	No
246	GOM_NL__2PRFIN20091219_151830_000000442085_00168_40803_7631.N1	19-DEC-2009 15:18:30	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	40803	No
247	GOM_NL__2PRFIN20091219_152850_000000532085_00168_40803_7632.N1	19-DEC-2009 15:28:50	Twilight	53.000	15	67Alp Vir	0.97600	28000.	106	40803	No
248	GOM_NL__2PRFIN20091219_153220_000000492085_00168_40803_7633.N1	19-DEC-2009 15:32:20	Dark	48.500	169	46Gam Hya	2.9910	4700.0	97	40803	No
249	GOM_NL__2PRFIN20091219_153508_000000582085_00168_40803_7634.N1	19-DEC-2009 15:35:08	Dark	57.500	106	9Bet Crv	2.6480	5600.0	115	40803	No
250	GOM_NL__2PRFIN20091219_153933_000000402085_00168_40803_7635.N1	19-DEC-2009 15:39:33	Dark	39.500	64	Gam Cen	2.2000	10600.	79	40803	No
251	GOM_NL__2PRFIN20091219_154114_000000432085_00169_40804_7621.N1	19-DEC-2009 15:41:14	Dark	42.500	99	Del Cen	2.5750	26000.	85	40804	No
252	GOM_NL__2PRFIN20091219_154515_000000472085_00169_40804_7622.N1	19-DEC-2009 15:45:15	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40804	No
253	GOM_NL__2PRFIN20091219_154847_000000442085_00169_40804_7623.N1	19-DEC-2009 15:48:47	Dark	44.000	71	Iot Car	2.2460	7700.0	88	40804	No
254	GOM_NL__2PRFIN20091219_155331_000000452085_00169_40804_7624.N1	19-DEC-2009 15:53:31	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40804	No
255	GOM_NL__2PRFIN20091219_155541_000000522085_00169_40804_7625.N1	19-DEC-2009 15:55:41	Dark	51.500	70	Zet Pup	2.2460	39000.	103	40804	No
256	GOM_NL__2PRFIN20091219_155814_000000542085_00169_40804_7626.N1	19-DEC-2009 15:58:14	Dark	53.500	117	Pi Pup	2.7060	3800.0	107	40804	No
257	GOM_NL__2PRFIN20091219_160123_000000532085_00169_40804_7627.N1	19-DEC-2009 16:01:23	Straylight	52.500	23	21Eps CMa	1.5020	26000.	105	40804	No
258	GOM_NL__2PRFIN20091219_160306_000000502085_00169_40804_7628.N1	19-DEC-2009 16:03:06	Straylight	49.500	179	24Omi2CMa	3.0320	24000.	99	40804	No
259	GOM_NL__2PRFIN20091219_160559_000000592085_00169_40804_7629.N1	19-DEC-2009 16:05:59	Straylight	59.000	1	9Alp CMa	-1.4400	11000.	118	40804	No
260	GOM_NL__2PRFIN20091219_160911_000000472085_00169_40804_7630.N1	19-DEC-2009 16:09:11	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40804	No
261	GOM_NL__2PRFIN20091219_161119_000000472085_00169_40804_7631.N1	19-DEC-2009 16:11:19	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40804	No
262	GOM_NL__2PRFIN20091219_161418_000000632085_00169_40804_7632.N1	19-DEC-2009 16:14:18	Twilight	63.000	14	58Alp Ori	0.87000	3000.0	126	40804	No
263	GOM_NL__2PRFIN20091219_161627_000000472085_00169_40804_7633.N1	19-DEC-2009 16:16:27	Twilight	46.500	13	87Alp Tau	0.86700	3800.0	93	40804	No
264	GOM_NL__2PRFIN20091219_161824_000000442085_00169_40804_7634.N1	19-DEC-2009 16:18:24	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40804	No
265	GOM_NL__2PRFIN20091219_162028_000000422085_00169_40804_7635.N1	19-DEC-2009 16:20:28	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	40804	No
266	GOM_NL__2PRFIN20091219_162353_000000442085_00169_40804_7636.N1	19-DEC-2009 16:23:53	Bright	43.500	107	37The Aur	2.6490	11000.	87	40804	No
267	GOM_NL__2PRFIN20091219_162523_000000442085_00169_40804_7637.N1	19-DEC-2009 16:25:23	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	40804	No
268	GOM_NL__2PRFIN20091219_164142_000000402085_00169_40804_7638.N1	19-DEC-2009 16:41:42	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40804	No
269	GOM_NL__2PRFIN20091219_164609_000000432085_00169_40804_7639.N1	19-DEC-2009 16:46:09	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	40804	No
270	GOM_NL__2PRFIN20091219_164852_000000452085_00169_40804_7640.N1	19-DEC-2009 16:48:52	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	40804	No
271	GOM_NL__2PRFIN20091219_165221_000000392085_00169_40804_7641.N1	19-DEC-2009 16:52:21	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	40804	No
272	GOM_NL__2PRFIN20091219_165539_000000382085_00169_40804_7642.N1	19-DEC-2009 16:55:39	Bright	37.500	83		2.3780	11000.	75	40804	No
273	GOM_NL__2PRFIN20091219_165906_000000442085_00169_40804_7643.N1	19-DEC-2009 16:59:06	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	40804	No
274	GOM_NL__2PRFIN20091219_170926_000000562085_00169_40804_7644.N1	19-DEC-2009 17:09:26	Twilight	55.500	15	67Alp Vir	0.97600	28000.	111	40804	No
275	GOM_NL__2PRFIN20091219_171257_000000482085_00169_40804_7645.N1	19-DEC-2009 17:12:57	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	40804	No
276	GOM_NL__2PRFIN20091219_171546_000000602085_00169_40804_7646.N1	19-DEC-2009 17:15:46	Dark	59.500	106	9Bet Crv	2.6480	5600.0	119	40804	No
277	GOM_NL__2PRFIN20091219_172010_000000442085_00169_40804_7647.N1	19-DEC-2009 17:20:10	Dark	43.500	64	Gam Cen	2.2000	10600.	87	40804	No
278	GOM_NL__2PRFIN20091219_172151_000000422085_00170_40805_7630.N1	19-DEC-2009 17:21:51	Dark	42.000	99	Del Cen	2.5750	26000.	84	40805	No

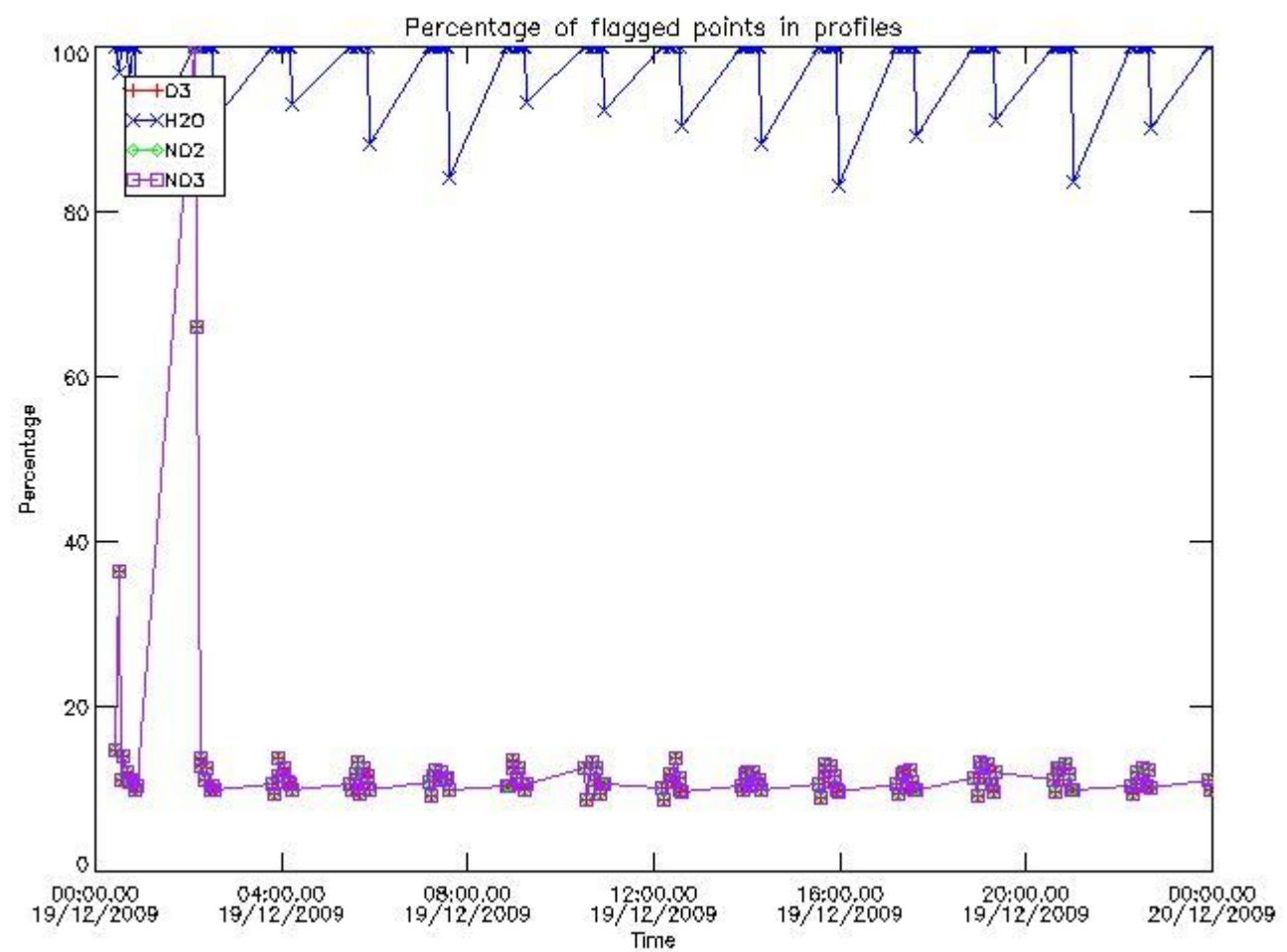
279	GOM_NL__2PRFIN20091219_172552_000000502085_00170_40805_7631.N1	19-DEC-2009 17:25:52	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	40805	No
280	GOM_NL__2PRFIN20091219_172924_000000422085_00170_40805_7632.N1	19-DEC-2009 17:29:24	Dark	41.500	71	Iot Car	2.2460	7700.0	83	40805	No
281	GOM_NL__2PRFIN20091219_173408_000000472085_00170_40805_7633.N1	19-DEC-2009 17:34:08	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40805	No
282	GOM_NL__2PRFIN20091219_173617_000000522085_00170_40805_7634.N1	19-DEC-2009 17:36:17	Dark	52.000	70	Zet Pup	2.2460	39000.	104	40805	No
283	GOM_NL__2PRFIN20091219_173851_000000512085_00170_40805_7635.N1	19-DEC-2009 17:38:51	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40805	No
284	GOM_NL__2PRFIN20091219_174159_000000532085_00170_40805_7636.N1	19-DEC-2009 17:41:59	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40805	No
285	GOM_NL__2PRFIN20091219_174343_000000532085_00170_40805_7637.N1	19-DEC-2009 17:43:43	Straylight	52.500	179	24Omi2CMa	3.0320	24000.	105	40805	No
286	GOM_NL__2PRFIN20091219_174635_000000612085_00170_40805_7638.N1	19-DEC-2009 17:46:35	Straylight	60.500	1	9Alp CMa	-1.4400	11000.	121	40805	No
287	GOM_NL__2PRFIN20091219_174947_000000472085_00170_40805_7639.N1	19-DEC-2009 17:49:47	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40805	No
288	GOM_NL__2PRFIN20091219_175156_000000462085_00170_40805_7640.N1	19-DEC-2009 17:51:56	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	40805	No
289	GOM_NL__2PRFIN20091219_175454_000000572085_00170_40805_7641.N1	19-DEC-2009 17:54:54	Tw_i_and_stray	56.500	14	58Alp Ori	0.87000	3000.0	113	40805	No
290	GOM_NL__2PRFIN20091219_175703_000000532085_00170_40805_7642.N1	19-DEC-2009 17:57:03	Tw_i_and_stray	53.000	13	87Alp Tau	0.86700	3800.0	106	40805	No
291	GOM_NL__2PRFIN20091219_175900_000000442085_00170_40805_7643.N1	19-DEC-2009 17:59:00	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40805	No
292	GOM_NL__2PRFIN20091219_180104_000000412085_00170_40805_7644.N1	19-DEC-2009 18:01:04	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40805	No
293	GOM_NL__2PRFIN20091219_180429_000000432085_00170_40805_7645.N1	19-DEC-2009 18:04:29	Bright	43.000	107	37The Aur	2.6490	11000.	86	40805	No
294	GOM_NL__2PRFIN20091219_180559_000000422085_00170_40805_7646.N1	19-DEC-2009 18:05:59	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	40805	No
295	GOM_NL__2PRFIN20091219_182218_000000532085_00170_40805_7647.N1	19-DEC-2009 18:22:18	Bright	53.000	60	7Bet UMi	2.0810	3950.0	106	40805	No
296	GOM_NL__2PRFIN20091219_182644_000000632085_00170_40805_7648.N1	19-DEC-2009 18:26:44	Bright	63.000	32	77Eps UMa	1.7630	11000.	126	40805	No
297	GOM_NL__2PRFIN20091219_182928_000000402085_00170_40805_7649.N1	19-DEC-2009 18:29:28	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40805	No
298	GOM_NL__2PRFIN20091219_183257_000000362085_00170_40805_7650.N1	19-DEC-2009 18:32:57	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	40805	No
299	GOM_NL__2PRFIN20091219_183615_000000392085_00170_40805_7651.N1	19-DEC-2009 18:36:15	Bright	39.000	83		2.3780	11000.	78	40805	No
300	GOM_NL__2PRFIN20091219_183943_000000452085_00170_40805_7652.N1	19-DEC-2009 18:39:43	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	40805	No
301	GOM_NL__2PRFIN20091219_185003_000000542085_00170_40805_7653.N1	19-DEC-2009 18:50:03	Tw_i_and_stray	53.500	15	67Alp Vir	0.97600	28000.	107	40805	No
302	GOM_NL__2PRFIN20091219_185334_000000452085_00170_40805_7654.N1	19-DEC-2009 18:53:34	Dark	45.000	169	46Gam Hya	2.9910	4700.0	90	40805	No
303	GOM_NL__2PRFIN20091219_185623_000000552085_00170_40805_7655.N1	19-DEC-2009 18:56:23	Dark	55.000	106	9Bet Crv	2.6480	5600.0	110	40805	No
304	GOM_NL__2PRFIN20091219_190046_000000432085_00170_40805_7656.N1	19-DEC-2009 19:00:46	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40805	No
305	GOM_NL__2PRFIN20091219_190227_000000412085_00171_40806_7660.N1	19-DEC-2009 19:02:27	Dark	41.000	99	Del Cen	2.5750	26000.	82	40806	No
306	GOM_NL__2PRFIN20091219_190629_000000452085_00171_40806_7661.N1	19-DEC-2009 19:06:29	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40806	No
307	GOM_NL__2PRFIN20091219_191000_000000402085_00171_40806_7662.N1	19-DEC-2009 19:10:00	Dark	39.500	71	Iot Car	2.2460	7700.0	79	40806	No
308	GOM_NL__2PRFIN20091219_191444_000000482085_00171_40806_7663.N1	19-DEC-2009 19:14:44	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40806	No
309	GOM_NL__2PRFIN20091219_191654_000000532085_00171_40806_7664.N1	19-DEC-2009 19:16:54	Dark	52.500	70	Zet Pup	2.2460	39000.	105	40806	No
310	GOM_NL__2PRFIN20091219_191927_000000512085_00171_40806_7665.N1	19-DEC-2009 19:19:27	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40806	No
311	GOM_NL__2PRFIN20091219_192235_000000522085_00171_40806_7666.N1	19-DEC-2009 19:22:35	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	40806	No
312	GOM_NL__2PRFIN20091219_192419_000000522085_00171_40806_7667.N1	19-DEC-2009 19:24:19	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	40806	No
313	GOM_NL__2PRFIN20091219_192711_000000602085_00171_40806_7668.N1	19-DEC-2009 19:27:11	Straylight	59.500	1	9Alp CMa	-1.4400	11000.	119	40806	No
314	GOM_NL__2PRFIN20091219_193023_000000472085_00171_40806_7669.N1	19-DEC-2009 19:30:23	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40806	No
315	GOM_NL__2PRFIN20091219_193231_000000472085_00171_40806_7670.N1	19-DEC-2009 19:32:31	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40806	No
316	GOM_NL__2PRFIN20091219_193529_000000592085_00171_40806_7671.N1	19-DEC-2009 19:35:29	Tw_i_and_stray	58.500	14	58Alp Ori	0.87000	3000.0	117	40806	No
317	GOM_NL__2PRFIN20091219_193739_000000502085_00171_40806_7672.N1	19-DEC-2009 19:37:39	Tw_i_and_stray	49.500	13	87Alp Tau	0.86700	3800.0	99	40806	No
318	GOM_NL__2PRFIN20091219_193936_000000432085_00171_40806_7673.N1	19-DEC-2009 19:39:36	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40806	No
319	GOM_NL__2PRFIN20091219_194140_000000442085_00171_40806_7674.N1	19-DEC-2009 19:41:40	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	40806	No
320	GOM_NL__2PRFIN20091219_194504_000000442085_00171_40806_7675.N1	19-DEC-2009 19:45:04	Bright	44.000	107	37The Aur	2.6490	11000.	88	40806	No
321	GOM_NL__2PRFIN20091219_194635_000000442085_00171_40806_7676.N1	19-DEC-2009 19:46:35	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40806	No
322	GOM_NL__2PRFIN20091219_200254_000000422085_00171_40806_7677.N1	19-DEC-2009 20:02:54	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	40806	No
323	GOM_NL__2PRFIN20091219_200720_000000552085_00171_40806_7678.N1	19-DEC-2009 20:07:20	Bright	54.500	32	77Eps UMa	1.7630	11000.	109	40806	No
324	GOM_NL__2PRFIN20091219_201004_000000592085_00171_40806_7679.N1	19-DEC-2009 20:10:04	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40806	No
325	GOM_NL__2PRFIN20091219_201333_000000472085_00171_40806_7680.N1	19-DEC-2009 20:13:33	Bright	47.000	180	27Gam Boo	3.0400	8000.0	94	40806	No
326	GOM_NL__2PRFIN20091219_201651_000000392085_00171_40806_7681.N1	19-DEC-2009 20:16:51	Bright	39.000	83		2.3780	11000.	78	40806	No
327	GOM_NL__2PRFIN20091219_202019_000000632085_00171_40806_7682.N1	19-DEC-2009 20:20:19	Bright	63.000	111	8Eta Boo	2.6800	6000.0	126	40806	No
328	GOM_NL__2PRFIN20091219_203040_000000572085_00171_40806_7683.N1	19-DEC-2009 20:30:40	Tw_i_and_stray	56.500	15	67Alp Vir	0.97600	28000.	113	40806	No
329	GOM_NL__2PRFIN20091219_203411_000000462085_00171_40806_7684.N1	19-DEC-2009 20:34:11	Dark	46.000	169	46Gam Hya	2.9910	4700.0	92	40806	No
330	GOM_NL__2PRFIN20091219_203700_000000532085_00171_40806_7685.N1	19-DEC-2009 20:37:00	Dark	53.000	106	9Bet Crv	2.6480	5600.0	106	40806	No
331	GOM_NL__2PRFIN20091219_204123_000000412085_00171_40806_7686.N1	19-DEC-2009 20:41:23	Dark	40.500	64	Gam Cen	2.2000	10600.	81	40806	No
332	GOM_NL__2PRFIN20091219_204304_000000412085_00172_40807_7669.N1	19-DEC-2009 20:43:04	Dark	41.000	99	Del Cen	2.5750	26000.	82	40807	No
333	GOM_NL__2PRFIN20091219_204705_000000462085_00172_40807_7670.N1	19-DEC-2009 20:47:05	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40807	No
334	GOM_NL__2PRFIN20091219_205037_000000402085_00172_40807_7671.N1	19-DEC-2009 20:50:37	Dark	39.500	71	Iot Car	2.2460	7700.0	79	40807	No
335	GOM_NL__2PRFIN20091219_205521_000000432085_00172_40807_7672.N1	19-DEC-2009 20:55:21	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	40807	No
336	GOM_NL__2PRFIN20091219_205730_000000522085_00172_40807_7673.N1	19-DEC-2009 20:57:30	Dark	51.500	70	Zet Pup	2.2460	39000.	103	40807	No
337	GOM_NL__2PRFIN20091219_210004_000000522085_00172_40807_7674.N1	19-DEC-2009 21:00:04	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	40807	No

338	GOM_NL__2PRFIN20091219_210312_000000512085_00172_40807_7675.N1	19-DEC-2009 21:03:12	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	40807	No
339	GOM_NL__2PRFIN20091219_210455_000000512085_00172_40807_7676.N1	19-DEC-2009 21:04:55	Straylight	50.500	179	24Omi2CMa	3.0320	24000.	101	40807	No
340	GOM_NL__2PRFIN20091219_210747_000000572085_00172_40807_7677.N1	19-DEC-2009 21:07:47	Straylight	57.000	1	9Alp CMa	-1.4400	11000.	114	40807	No
341	GOM_NL__2PRFIN20091219_211059_000000462085_00172_40807_7678.N1	19-DEC-2009 21:10:59	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	40807	No
342	GOM_NL__2PRFIN20091219_211307_000000472085_00172_40807_7679.N1	19-DEC-2009 21:13:07	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40807	No
343	GOM_NL__2PRFIN20091219_211605_000000592085_00172_40807_7680.N1	19-DEC-2009 21:16:05	Twi_and_stray	59.000	14	58Alp Ori	0.87000	3000.0	118	40807	No
344	GOM_NL__2PRFIN20091219_211814_000000472085_00172_40807_7681.N1	19-DEC-2009 21:18:14	Twi_and_stray	47.000	13	87Alp Tau	0.86700	3800.0	94	40807	No
345	GOM_NL__2PRFIN20091219_212012_000000442085_00172_40807_7682.N1	19-DEC-2009 21:20:12	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40807	No
346	GOM_NL__2PRFIN20091219_212215_000000432085_00172_40807_7683.N1	19-DEC-2009 21:22:15	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40807	No
347	GOM_NL__2PRFIN20091219_212540_000000632085_00172_40807_7684.N1	19-DEC-2009 21:25:40	Bright	63.000	107	37The Aur	2.6490	11000.	126	40807	No
348	GOM_NL__2PRFIN20091219_212710_000000412085_00172_40807_7685.N1	19-DEC-2009 21:27:10	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	40807	No
349	GOM_NL__2PRFIN20091219_214329_000000402085_00172_40807_7686.N1	19-DEC-2009 21:43:29	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40807	No
350	GOM_NL__2PRFIN20091219_214756_000000422085_00172_40807_7687.N1	19-DEC-2009 21:47:56	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	40807	No
351	GOM_NL__2PRFIN20091219_215040_000000592085_00172_40807_7688.N1	19-DEC-2009 21:50:40	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40807	No
352	GOM_NL__2PRFIN20091219_215409_000000532085_00172_40807_7689.N1	19-DEC-2009 21:54:09	Bright	53.000	180	27Gam Boo	3.0400	8000.0	106	40807	No
353	GOM_NL__2PRFIN20091219_215727_000000482085_00172_40807_7690.N1	19-DEC-2009 21:57:27	Bright	48.000	83		2.3780	11000.	96	40807	No
354	GOM_NL__2PRFIN20091219_220055_000000432085_00172_40807_7691.N1	19-DEC-2009 22:00:55	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	40807	No
355	GOM_NL__2PRFIN20091219_221117_000000552085_00172_40807_7692.N1	19-DEC-2009 22:11:17	Twi_and_stray	55.000	15	67Alp Vir	0.97600	28000.	110	40807	No
356	GOM_NL__2PRFIN20091219_221448_000000492085_00172_40807_7693.N1	19-DEC-2009 22:14:48	Dark	49.000	169	46Gam Hya	2.9910	4700.0	98	40807	No
357	GOM_NL__2PRFIN20091219_221737_000000542085_00172_40807_7694.N1	19-DEC-2009 22:17:37	Dark	54.000	106	9Bet Crv	2.6480	5600.0	108	40807	No
358	GOM_NL__2PRFIN20091219_222159_000000482085_00172_40807_7695.N1	19-DEC-2009 22:21:59	Dark	48.000	64	Gam Cen	2.2000	10600.	96	40807	No
359	GOM_NL__2PRFIN20091219_222341_000000422085_00173_40808_7678.N1	19-DEC-2009 22:23:41	Dark	42.000	99	Del Cen	2.5750	26000.	84	40808	No
360	GOM_NL__2PRFIN20091219_222742_000000482085_00173_40808_7679.N1	19-DEC-2009 22:27:42	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	40808	No
361	GOM_NL__2PRFIN20091219_223113_000000412085_00173_40808_7680.N1	19-DEC-2009 22:31:13	Dark	40.500	71	Iot Car	2.2460	7700.0	81	40808	No
362	GOM_NL__2PRFIN20091219_223557_000000492085_00173_40808_7681.N1	19-DEC-2009 22:35:57	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40808	No
363	GOM_NL__2PRFIN20091219_223807_000000502085_00173_40808_7682.N1	19-DEC-2009 22:38:07	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40808	No
364	GOM_NL__2PRFIN20091219_224040_000000512085_00173_40808_7683.N1	19-DEC-2009 22:40:40	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	40808	No
365	GOM_NL__2PRFIN20091219_224348_000000532085_00173_40808_7684.N1	19-DEC-2009 22:43:48	Straylight	52.500	23	21Eps CMa	1.5020	26000.	105	40808	No
366	GOM_NL__2PRFIN20091219_224531_000000492085_00173_40808_7685.N1	19-DEC-2009 22:45:31	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40808	No
367	GOM_NL__2PRFIN20091219_224823_000000582085_00173_40808_7686.N1	19-DEC-2009 22:48:23	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	40808	No
368	GOM_NL__2PRFIN20091219_225135_000000472085_00173_40808_7687.N1	19-DEC-2009 22:51:35	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40808	No
369	GOM_NL__2PRFIN20091219_225343_000000472085_00173_40808_7688.N1	19-DEC-2009 22:53:43	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40808	No
370	GOM_NL__2PRFIN20091219_225640_000000632085_00173_40808_7689.N1	19-DEC-2009 22:56:40	Twi_and_stray	63.000	14	58Alp Ori	0.87000	3000.0	126	40808	No
371	GOM_NL__2PRFIN20091219_225850_000000472085_00173_40808_7690.N1	19-DEC-2009 22:58:50	Twi_and_stray	47.000	13	87Alp Tau	0.86700	3800.0	94	40808	No
372	GOM_NL__2PRFIN20091219_230047_000000432085_00173_40808_7691.N1	19-DEC-2009 23:00:47	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40808	No
373	GOM_NL__2PRFIN20091219_230251_000000422085_00173_40808_7692.N1	19-DEC-2009 23:02:51	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	40808	No
374	GOM_NL__2PRFIN20091219_230615_000000632085_00173_40808_7693.N1	19-DEC-2009 23:06:15	Bright	63.000	107	37The Aur	2.6490	11000.	126	40808	No
375	GOM_NL__2PRFIN20091219_230746_000000492085_00173_40808_7694.N1	19-DEC-2009 23:07:46	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	40808	No
376	GOM_NL__2PRFIN20091219_232405_000000402085_00173_40808_7695.N1	19-DEC-2009 23:24:05	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40808	No
377	GOM_NL__2PRFIN20091219_232831_000000442085_00173_40808_7696.N1	19-DEC-2009 23:28:31	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	40808	No
378	GOM_NL__2PRFIN20091219_233115_000000592085_00173_40808_7697.N1	19-DEC-2009 23:31:15	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40808	No
379	GOM_NL__2PRFIN20091219_233445_000000512085_00173_40808_7698.N1	19-DEC-2009 23:34:45	Bright	50.500	180	27Gam Boo	3.0400	8000.0	101	40808	No
380	GOM_NL__2PRFIN20091219_233803_000000552085_00173_40808_7699.N1	19-DEC-2009 23:38:03	Bright	55.000	83		2.3780	11000.	110	40808	No
381	GOM_NL__2PRFIN20091219_234131_000000632085_00173_40808_7700.N1	19-DEC-2009 23:41:31	Bright	63.000	111	8Eta Boo	2.6800	6000.0	126	40808	No
382	GOM_NL__2PRFIN20091219_235153_000000542085_00173_40808_7701.N1	19-DEC-2009 23:51:53	Twi_and_stray	53.500	15	67Alp Vir	0.97600	28000.	107	40808	No
383	GOM_NL__2PRFIN20091219_235524_000000462085_00173_40808_7702.N1	19-DEC-2009 23:55:24	Dark	46.000	169	46Gam Hya	2.9910	4700.0	92	40808	No
384	GOM_NL__2PRFIN20091219_235814_000000522085_00173_40808_7703.N1	19-DEC-2009 23:58:14	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	40808	No

3. Quality information per product

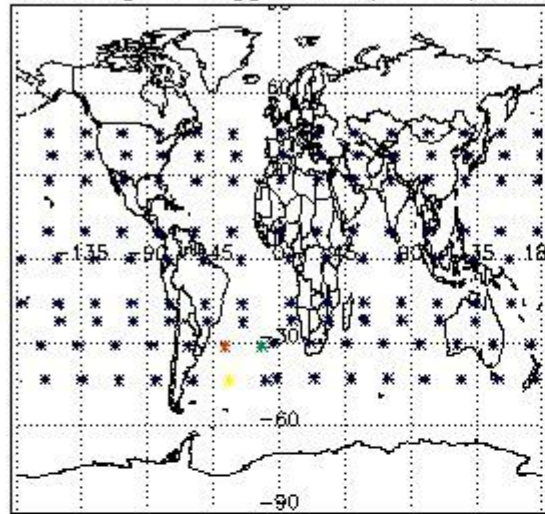
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

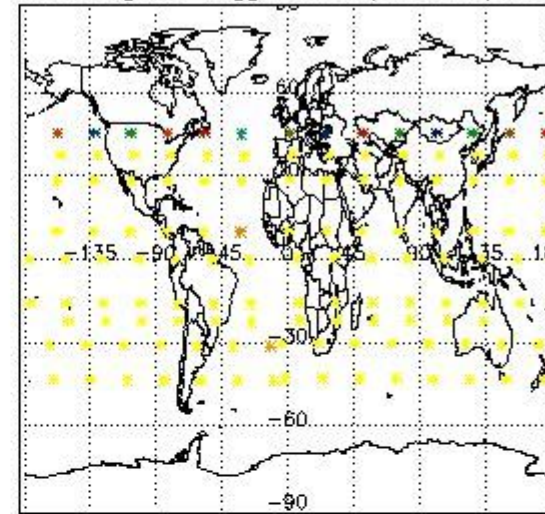


3.2 Plot quality information per product (world map)

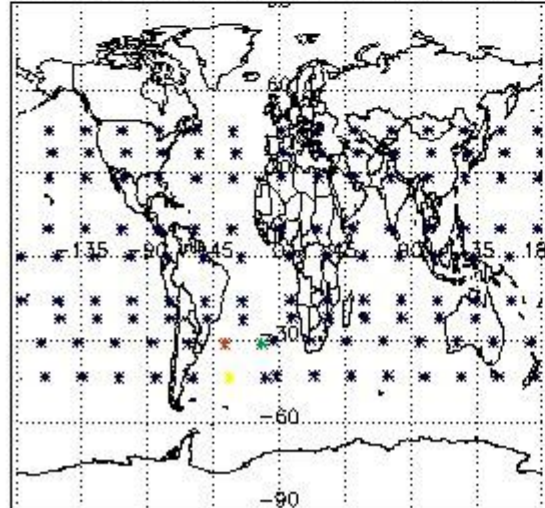
Percentage of flagged data per O3 profile



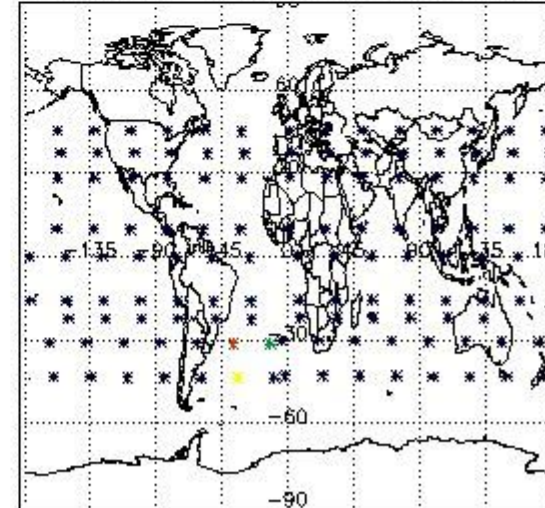
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

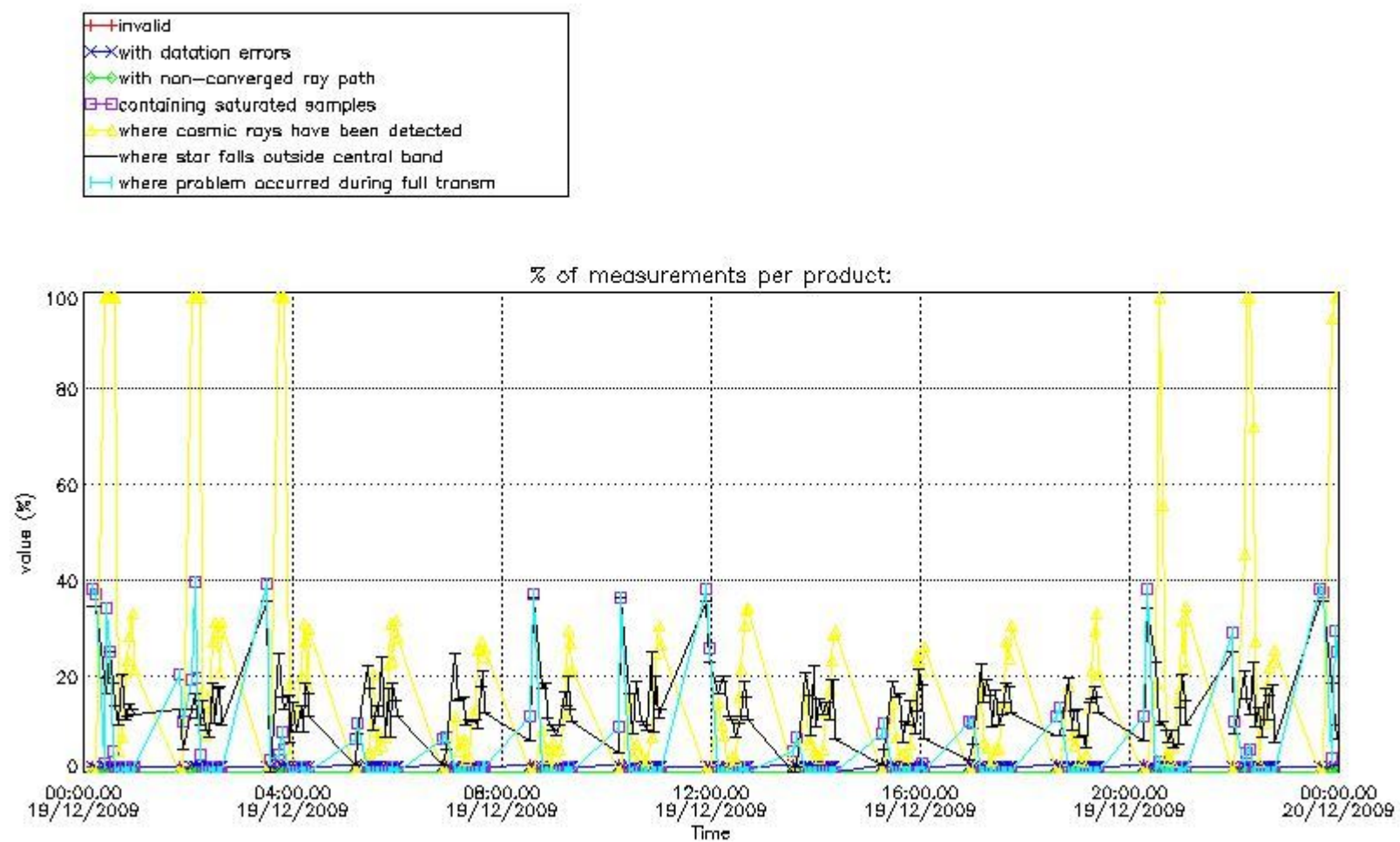


4. Level 1 quality information per product

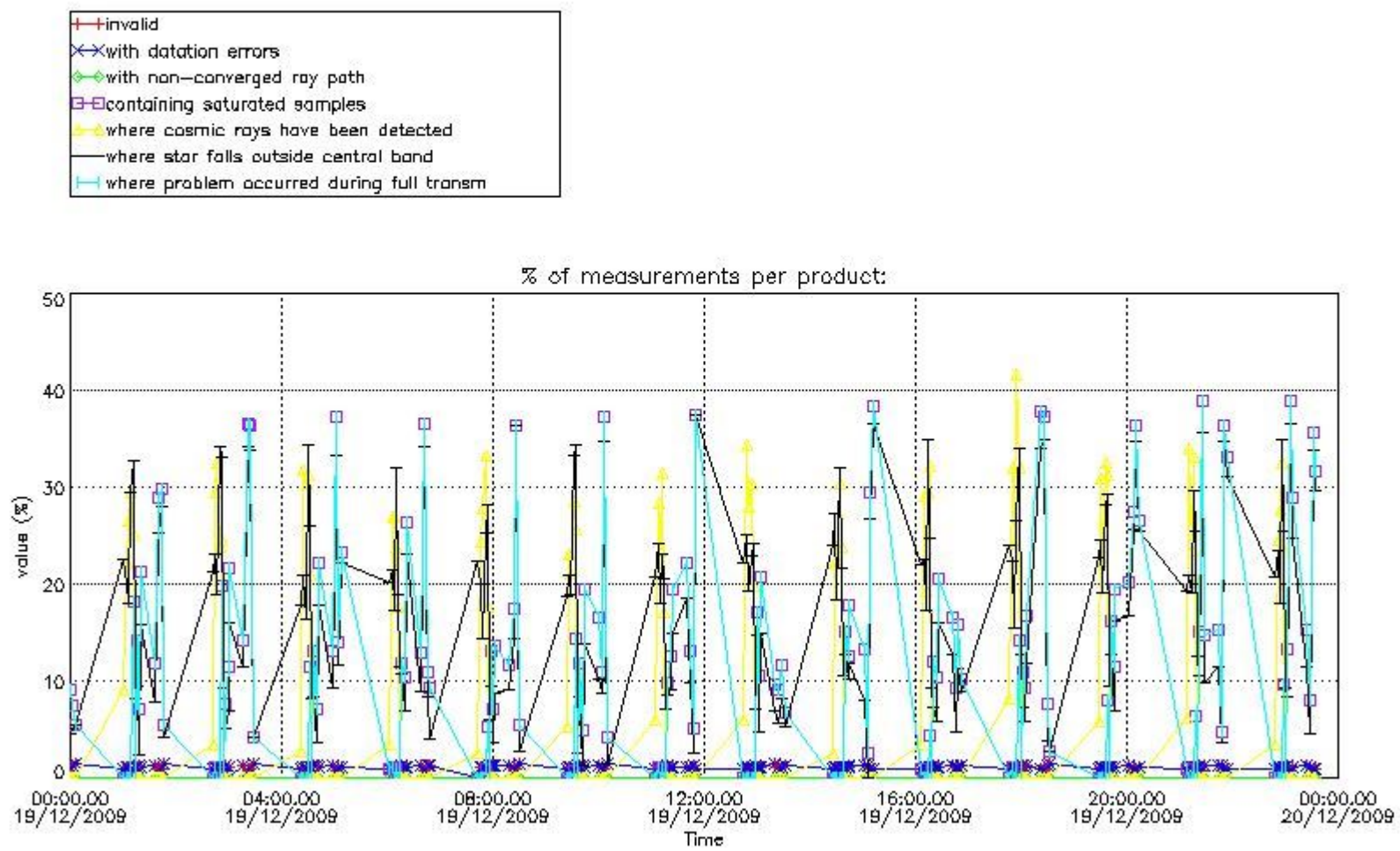
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



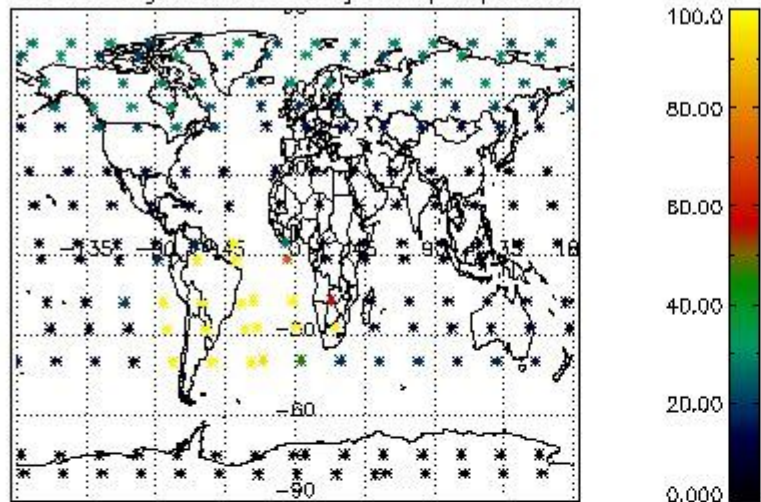
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



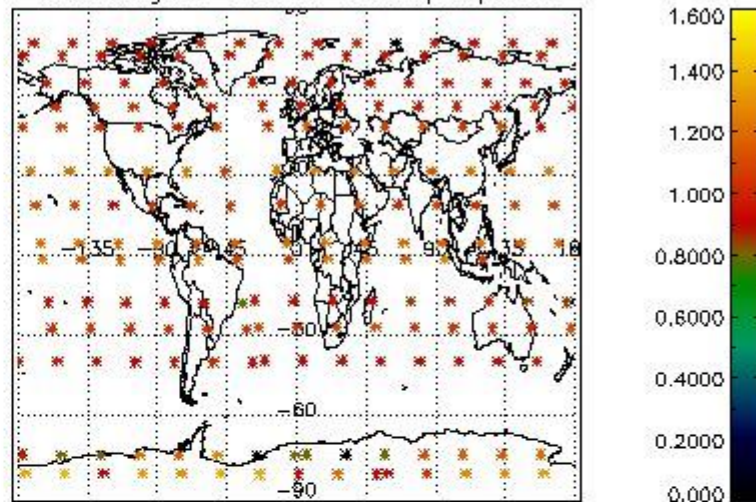
4.2 Plot quality information per product coming from level 1b processing (world map)

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

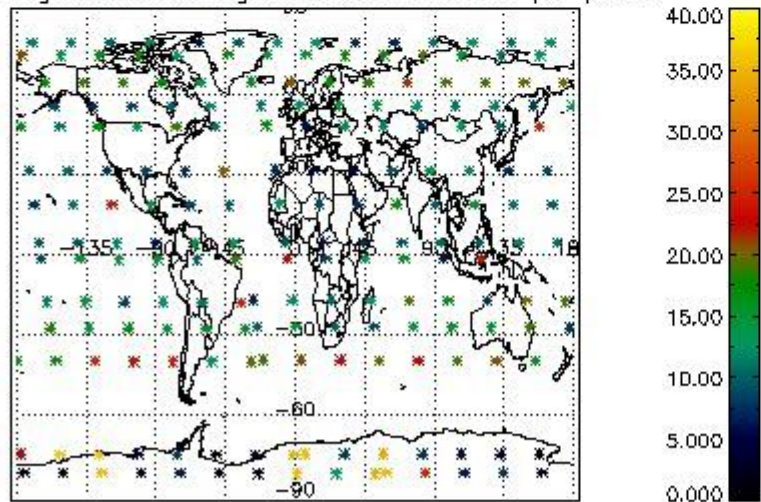
Percentage of cosmic ray hits per profile



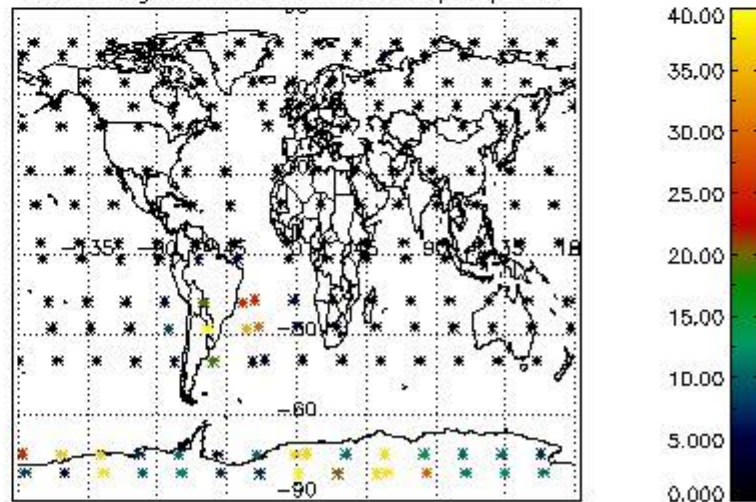
Percentage of datation errors per profile



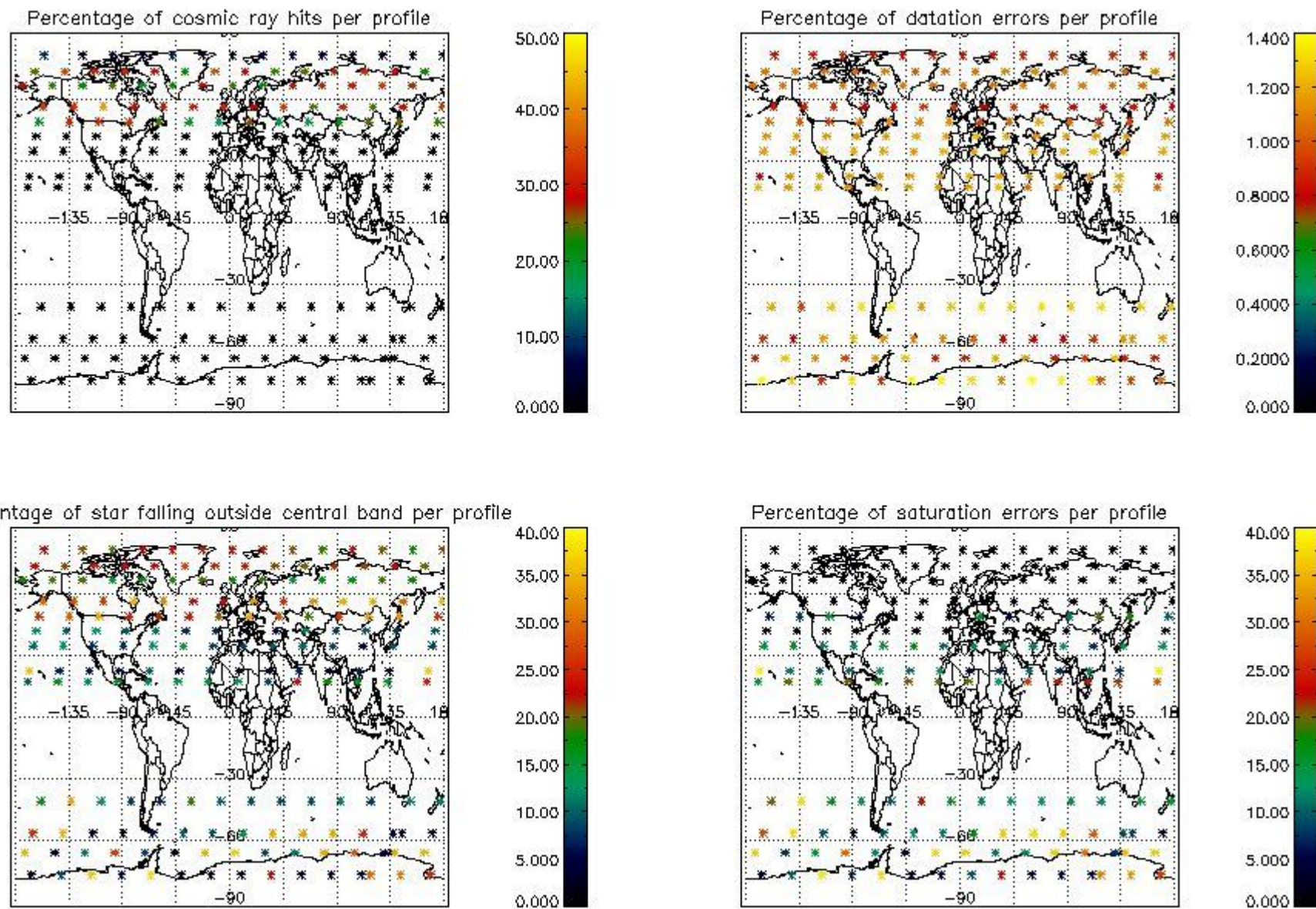
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

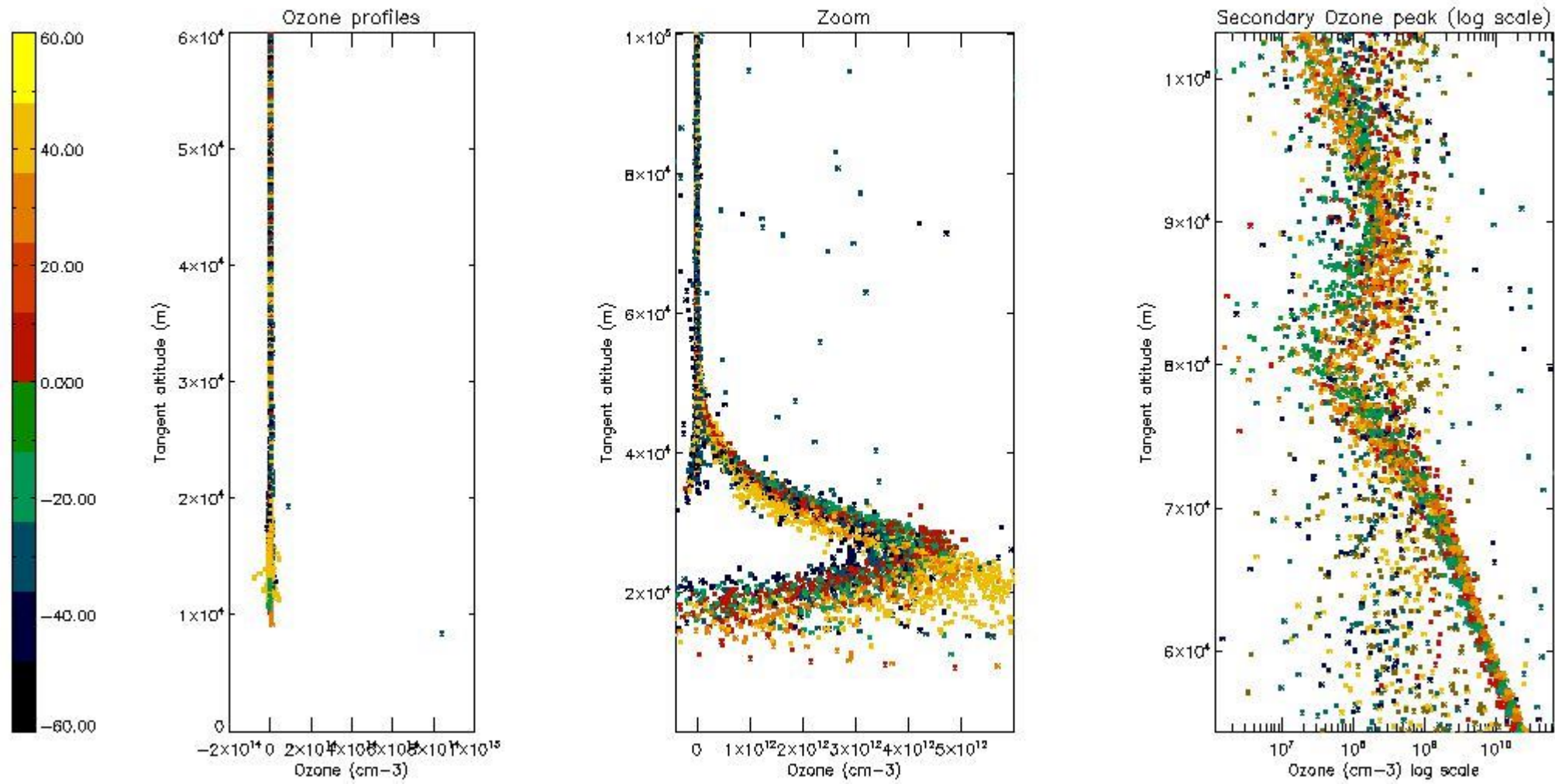
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	14

STD < 10	10
STD < 5	6

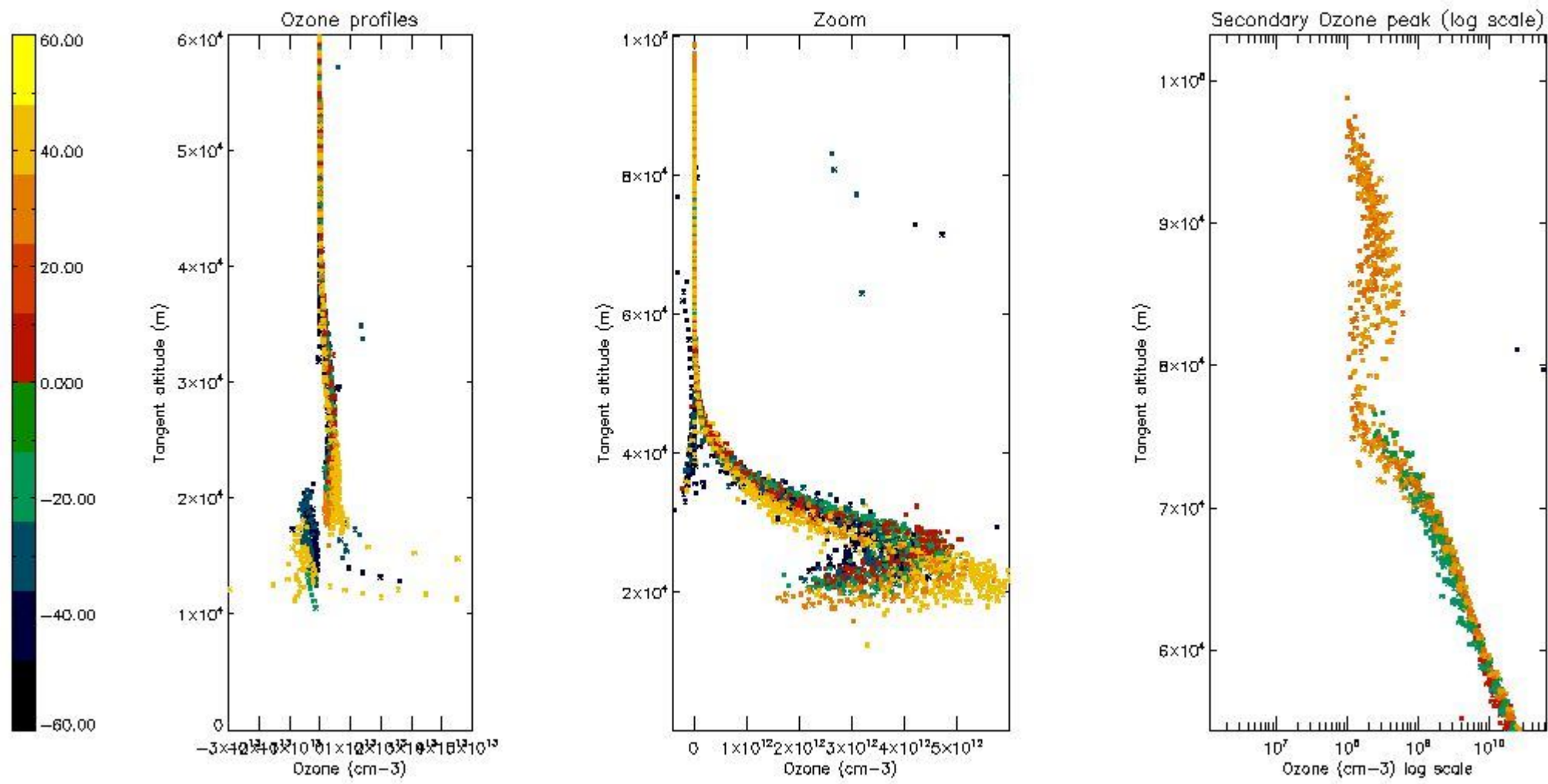
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



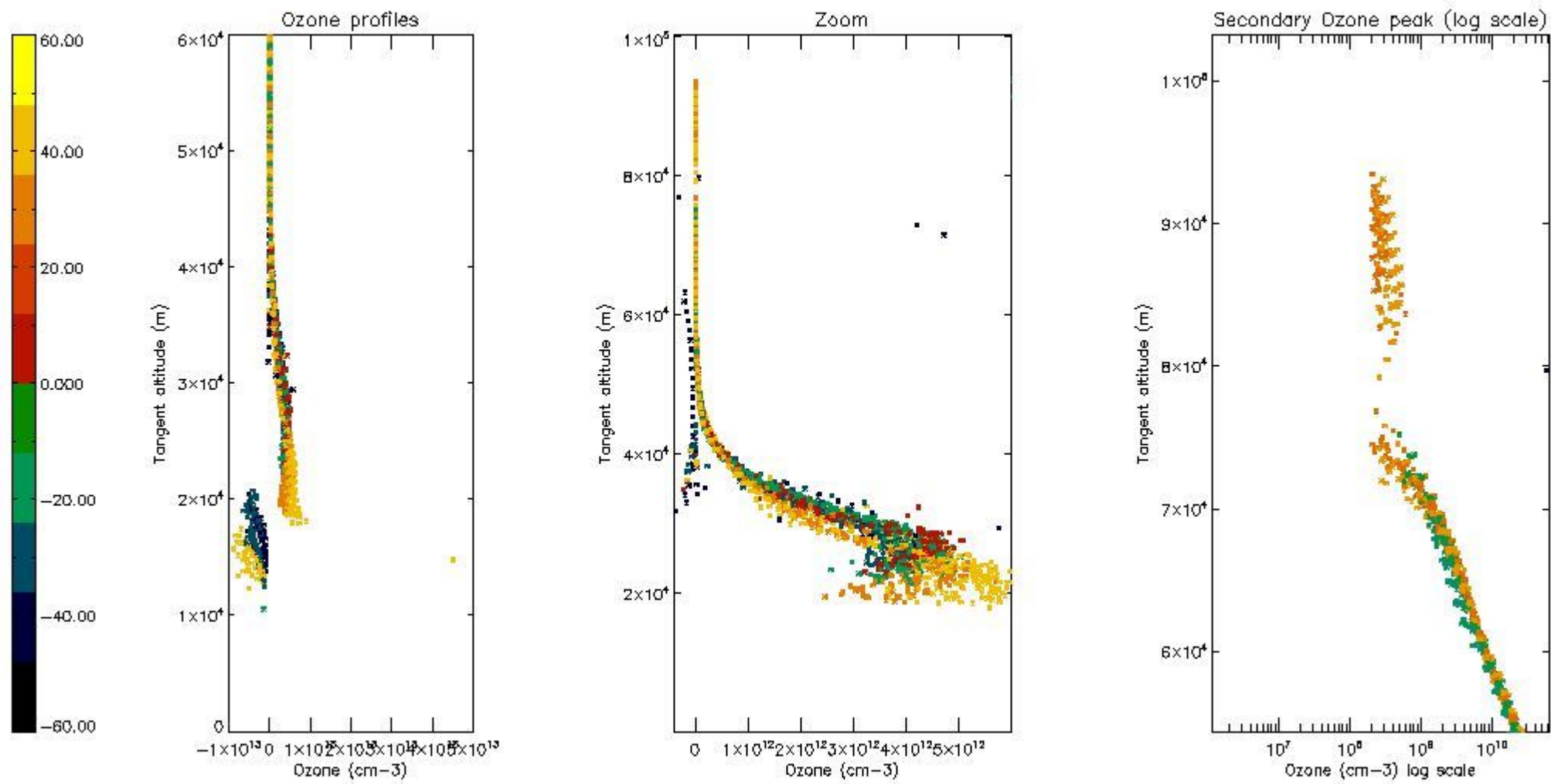
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



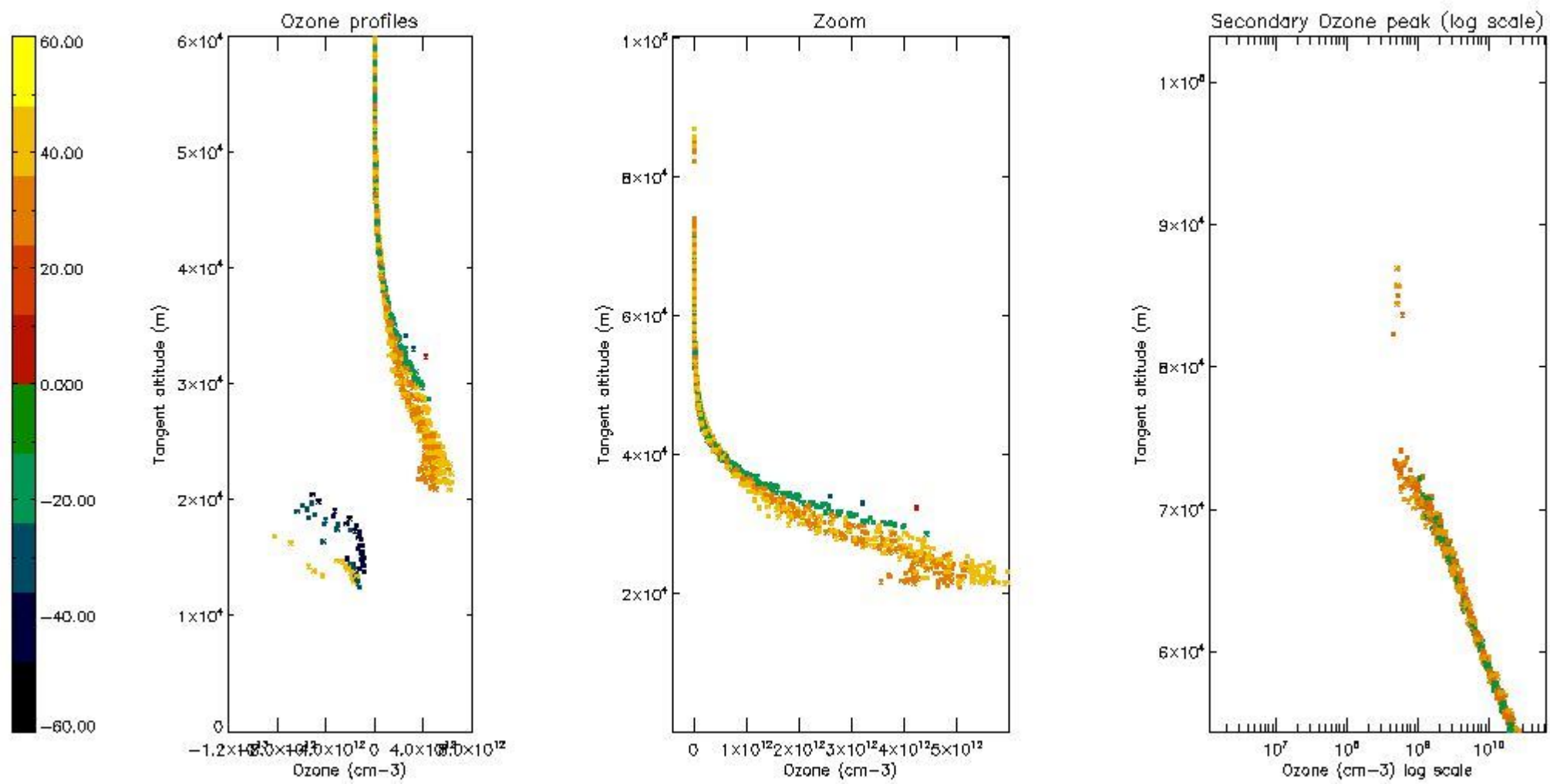
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



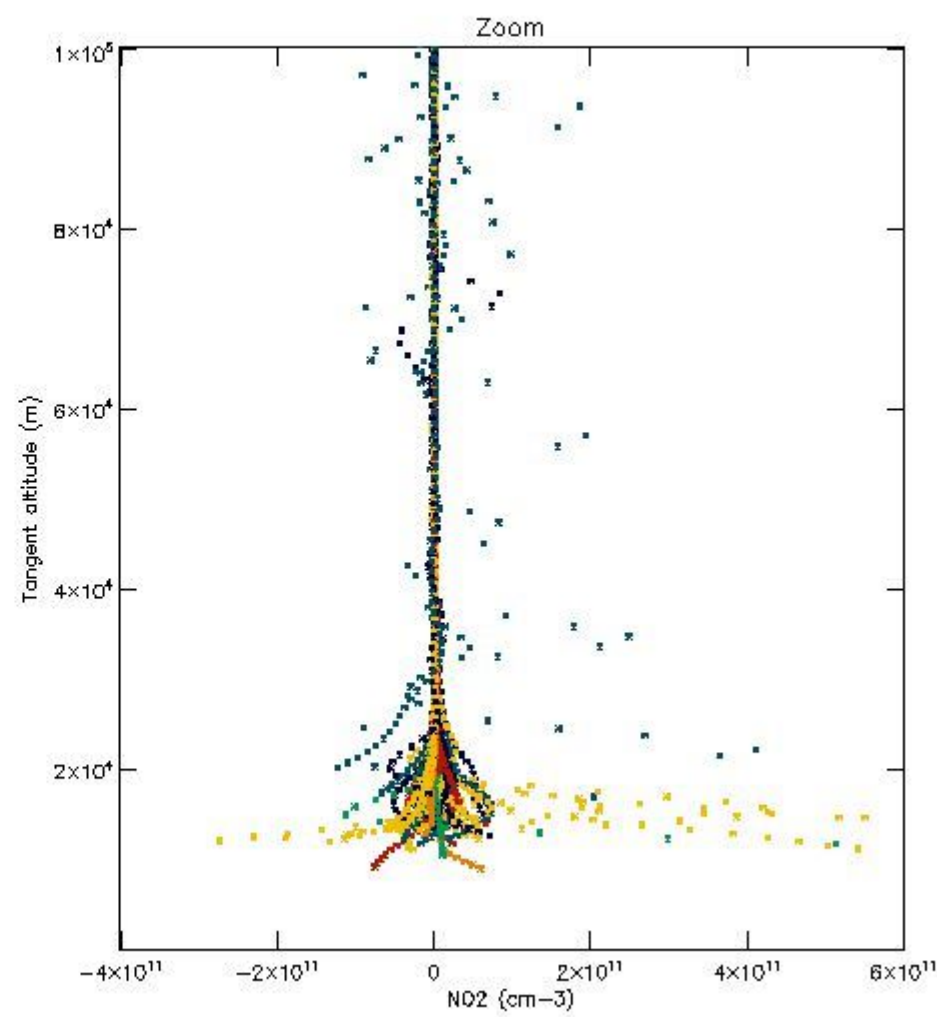
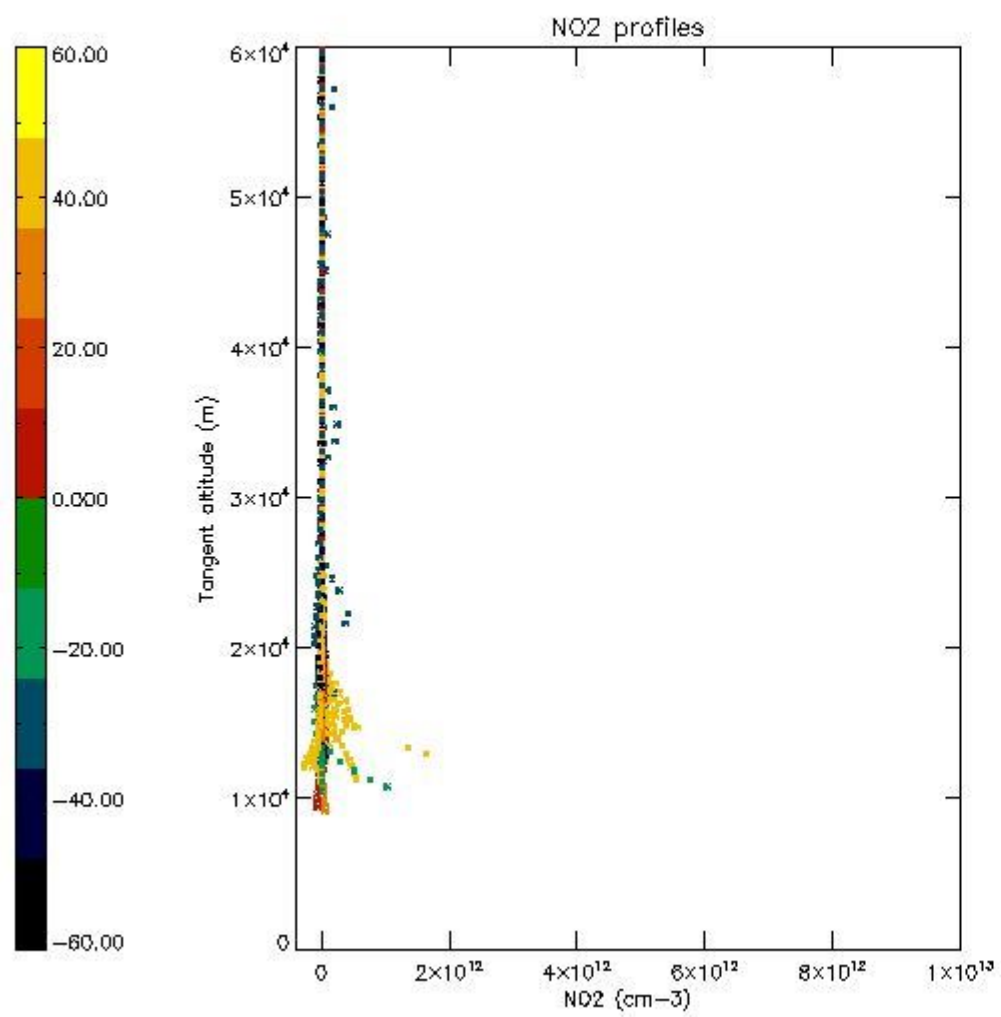
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



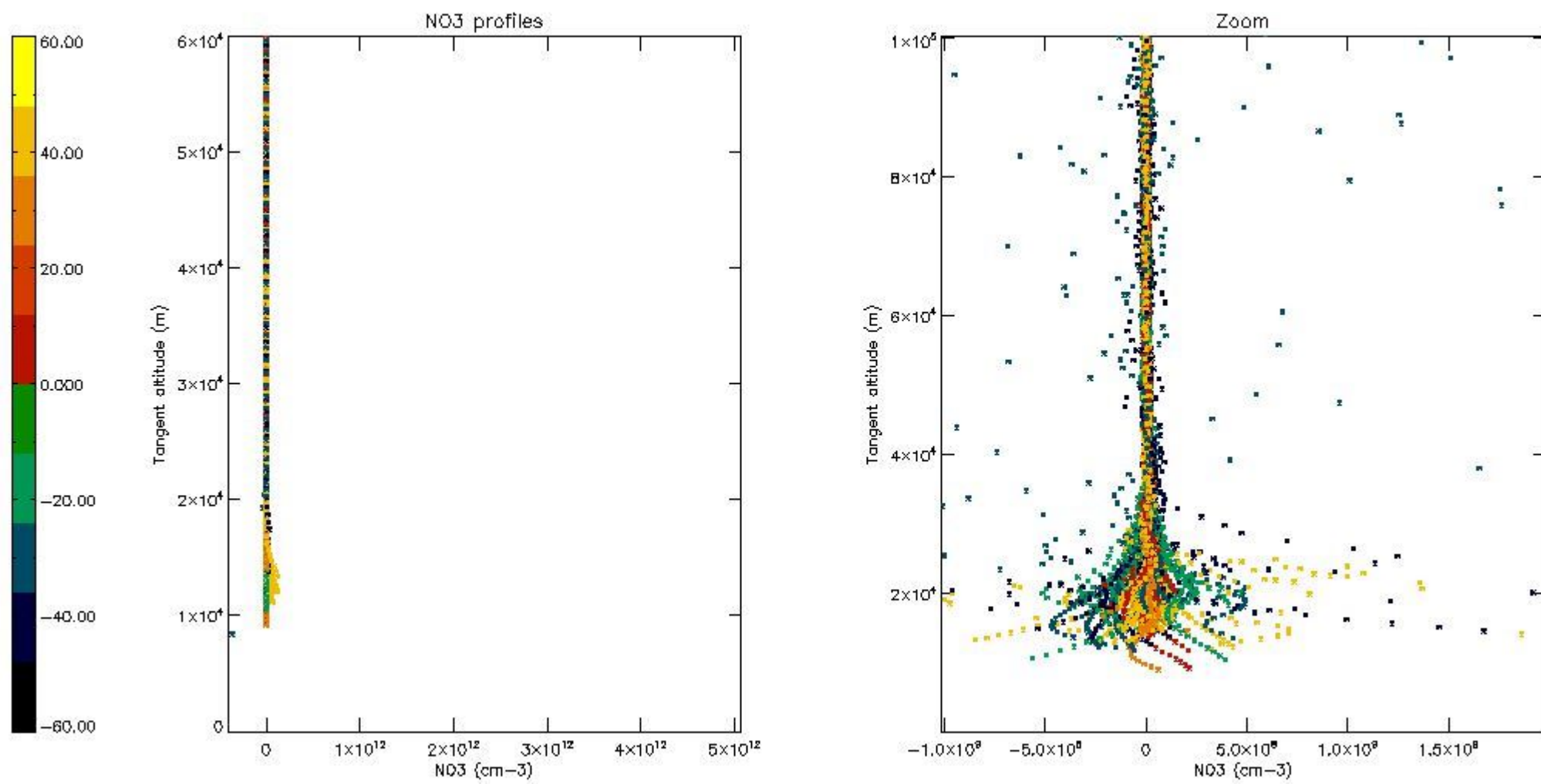
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



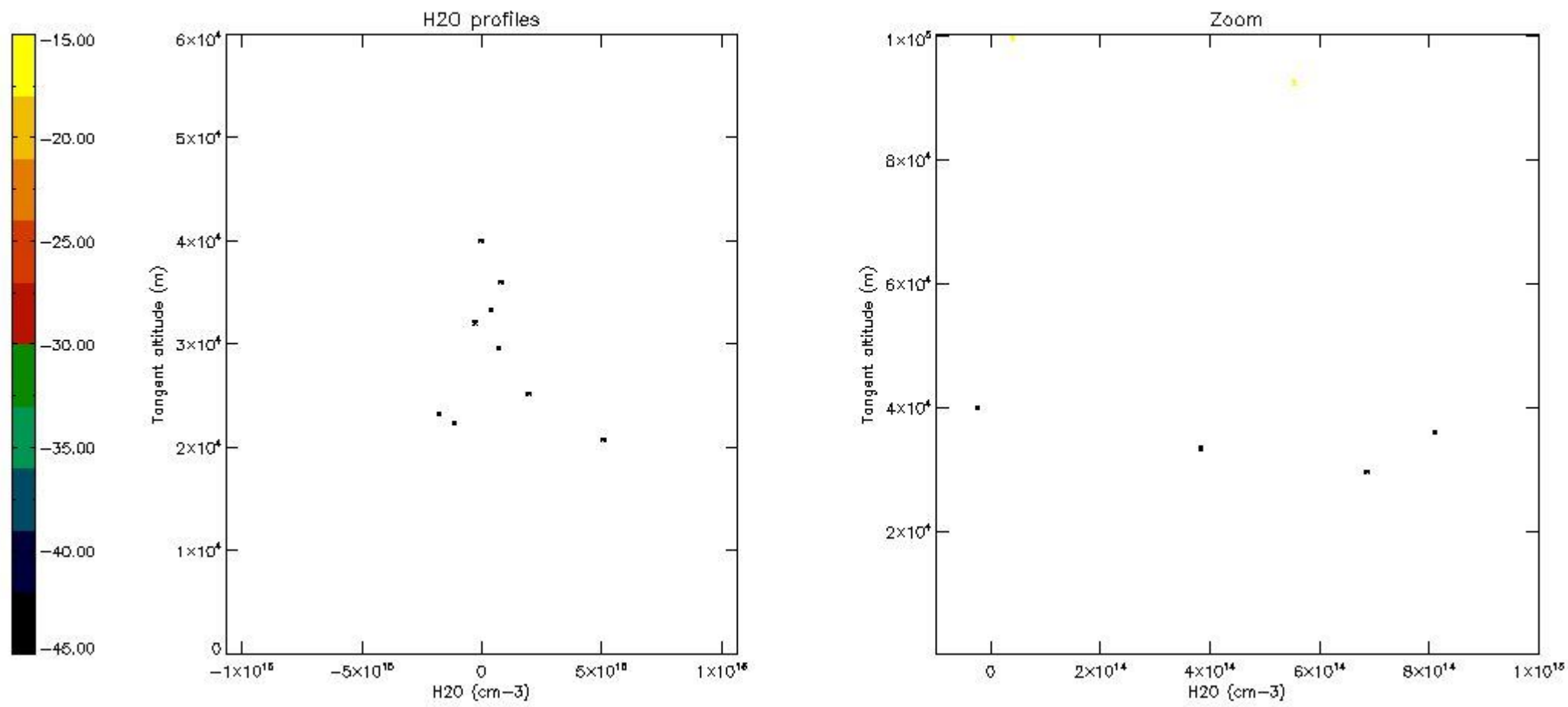
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

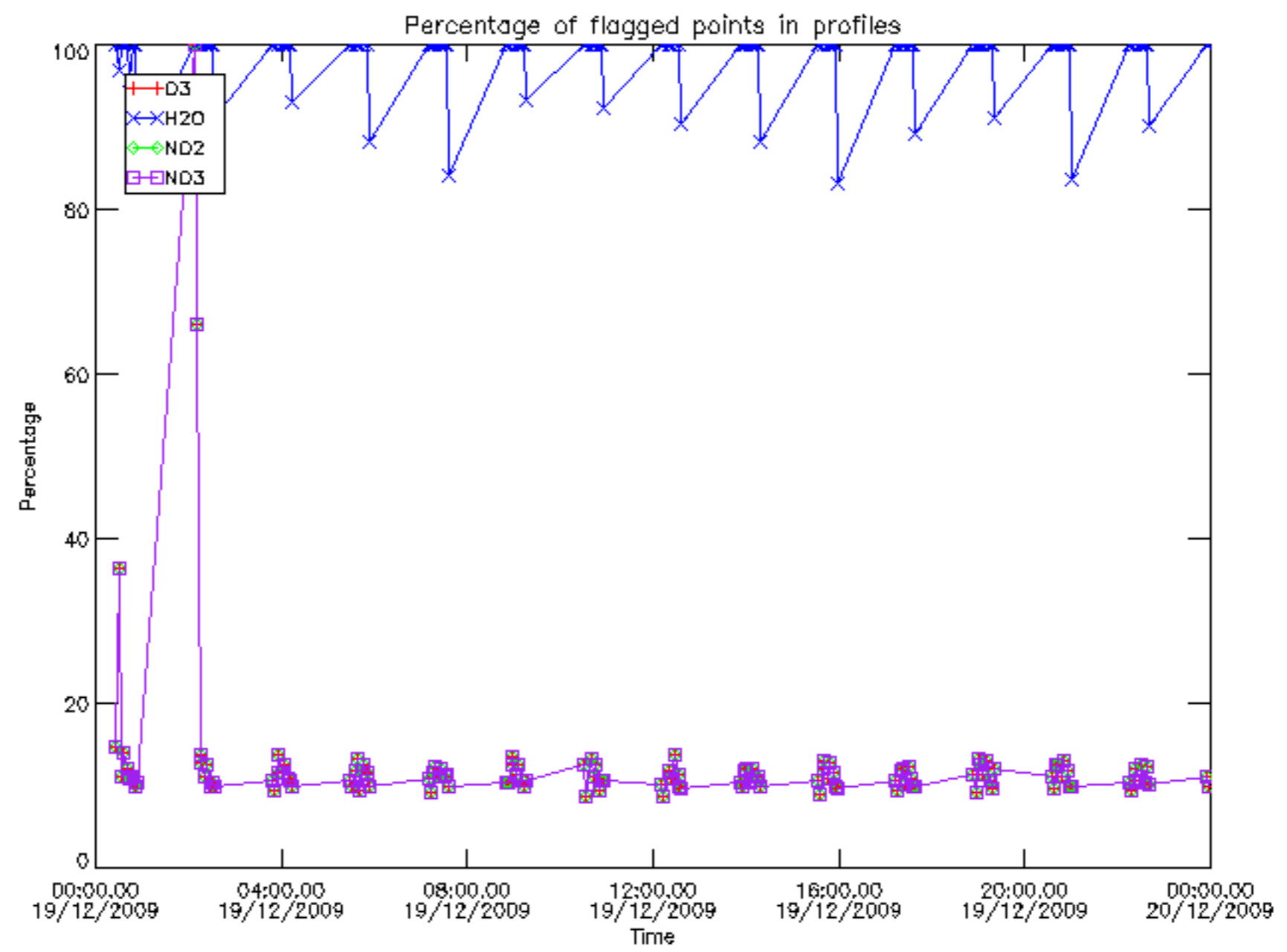
The colorbar represents the latitude.



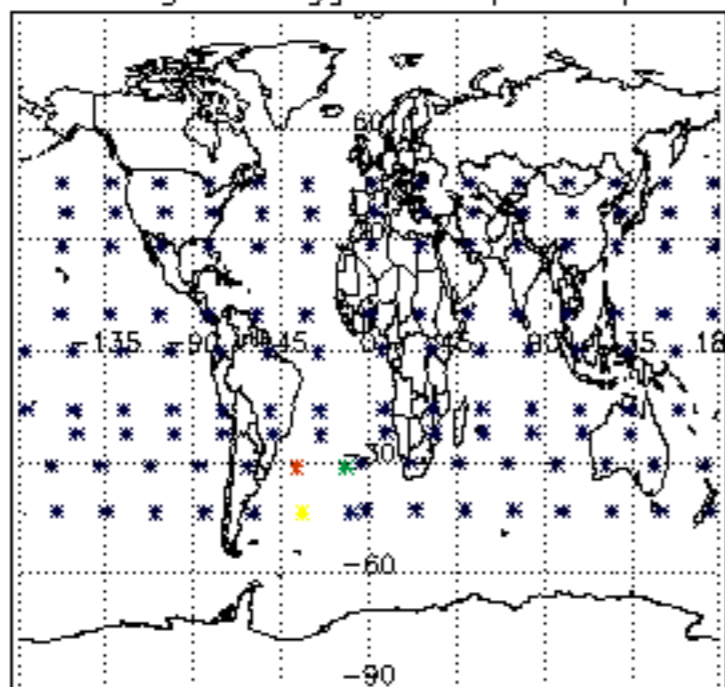
6. Auxiliary Data Files used for the production reported in section 2

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.

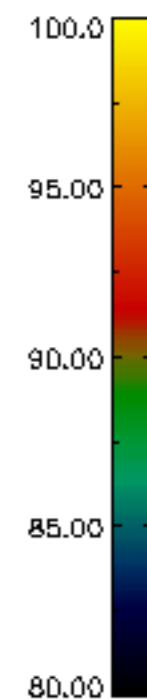
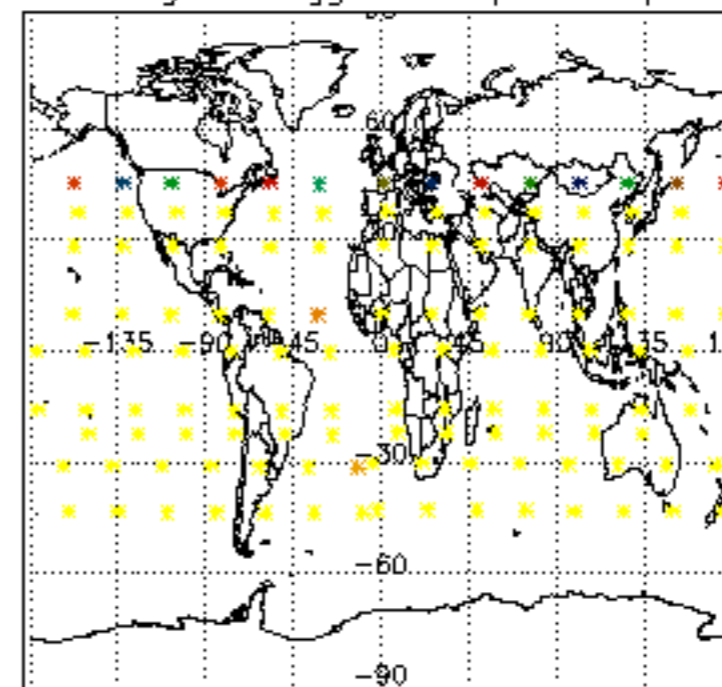
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-DEC-2009 00:00:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-DEC-2009 00:00:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-DEC-2009 00:00:12



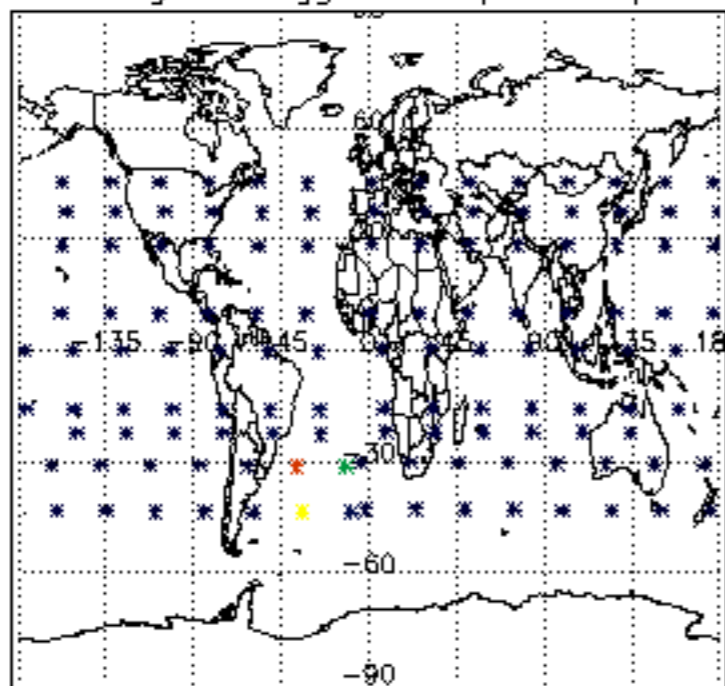
Percentage of flagged data per D3 profile



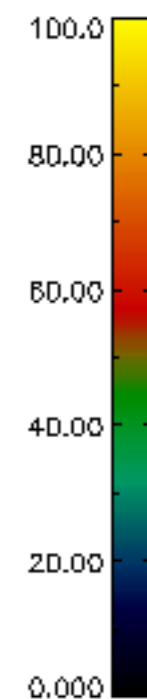
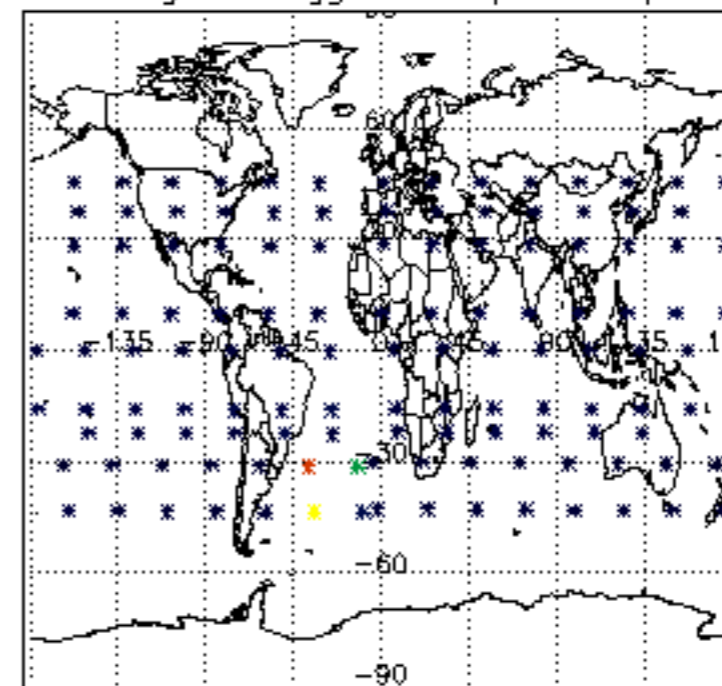
Percentage of flagged data per H2O profile

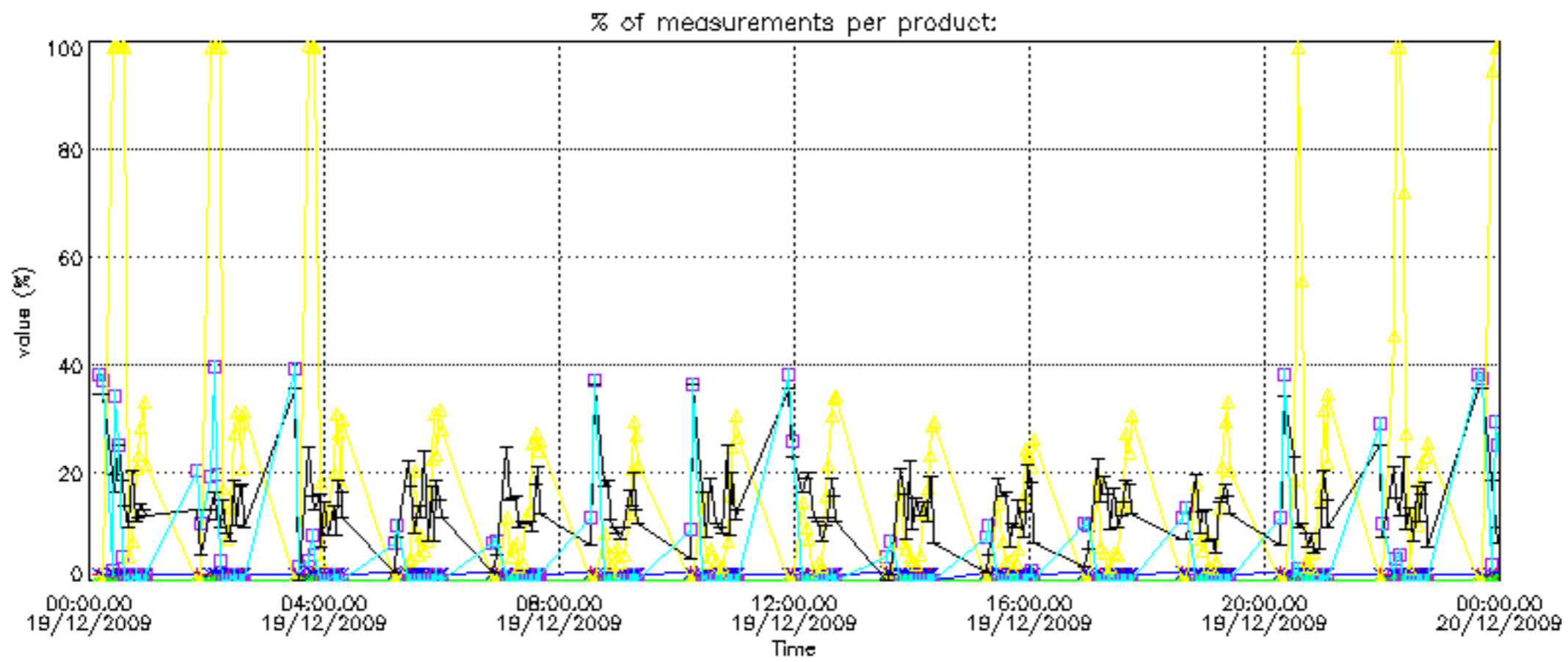


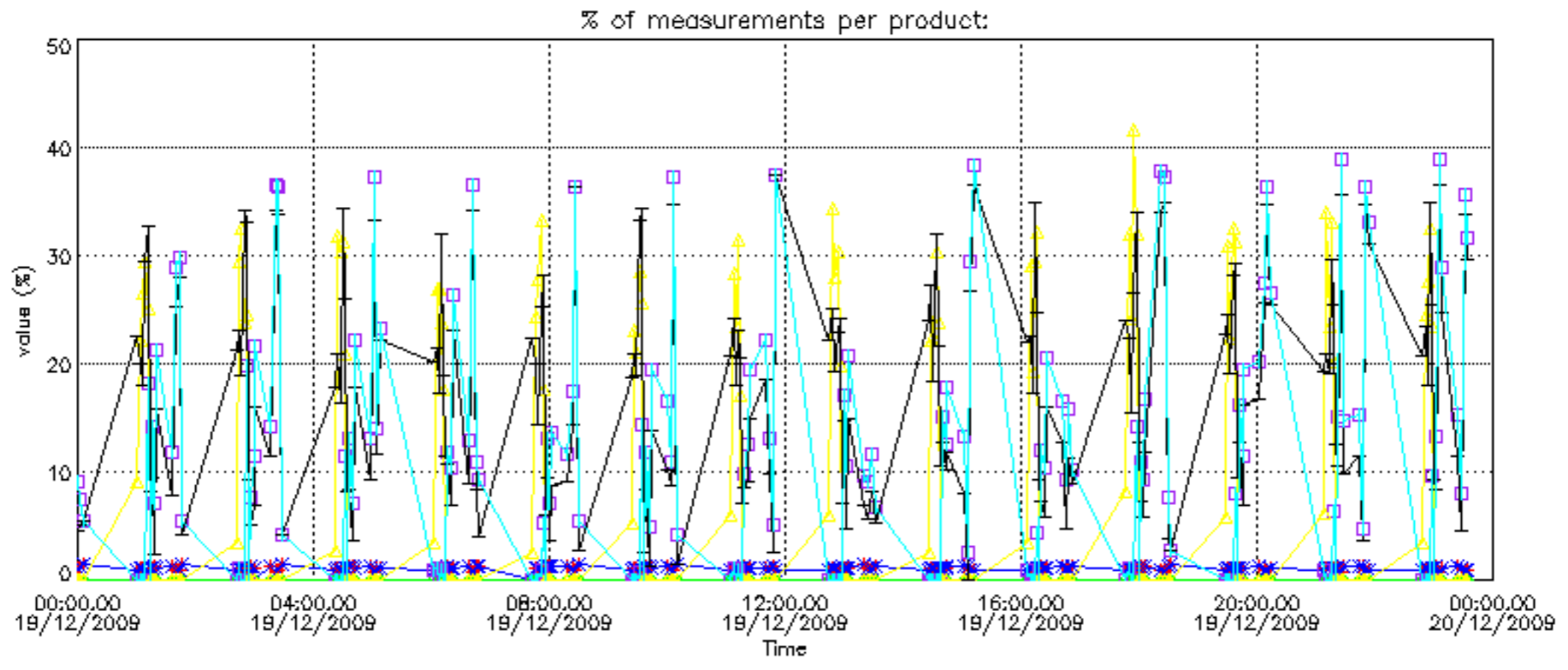
Percentage of flagged data per NO2 profile



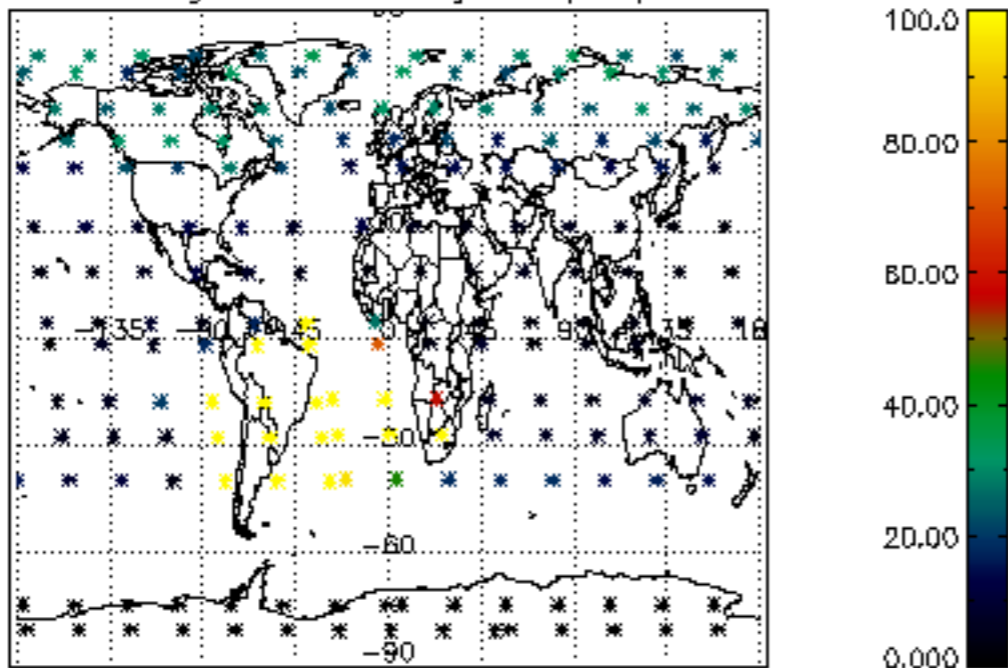
Percentage of flagged data per NO3 profile



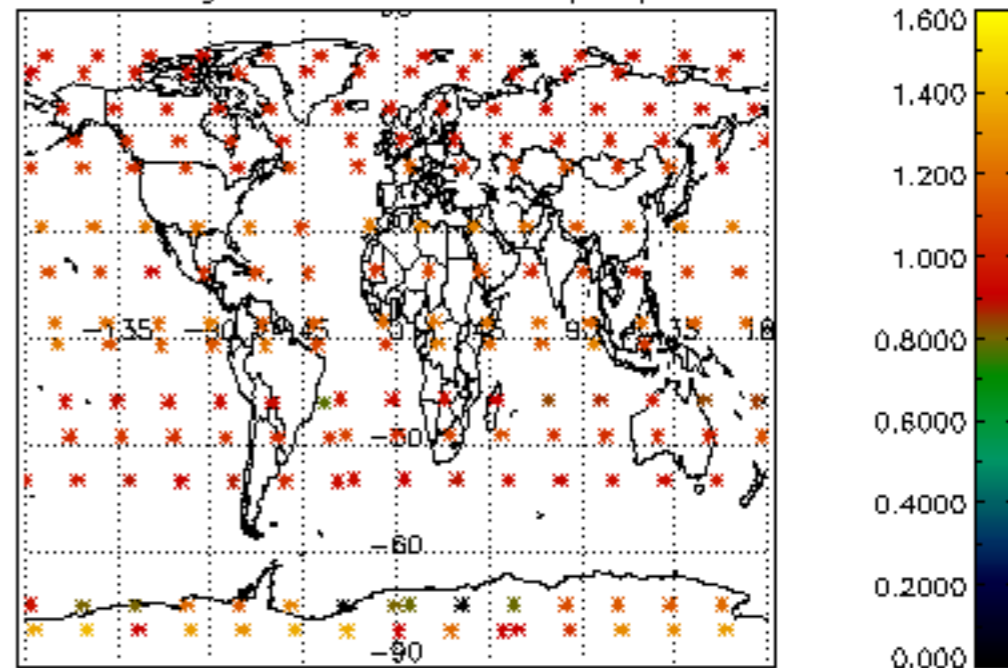




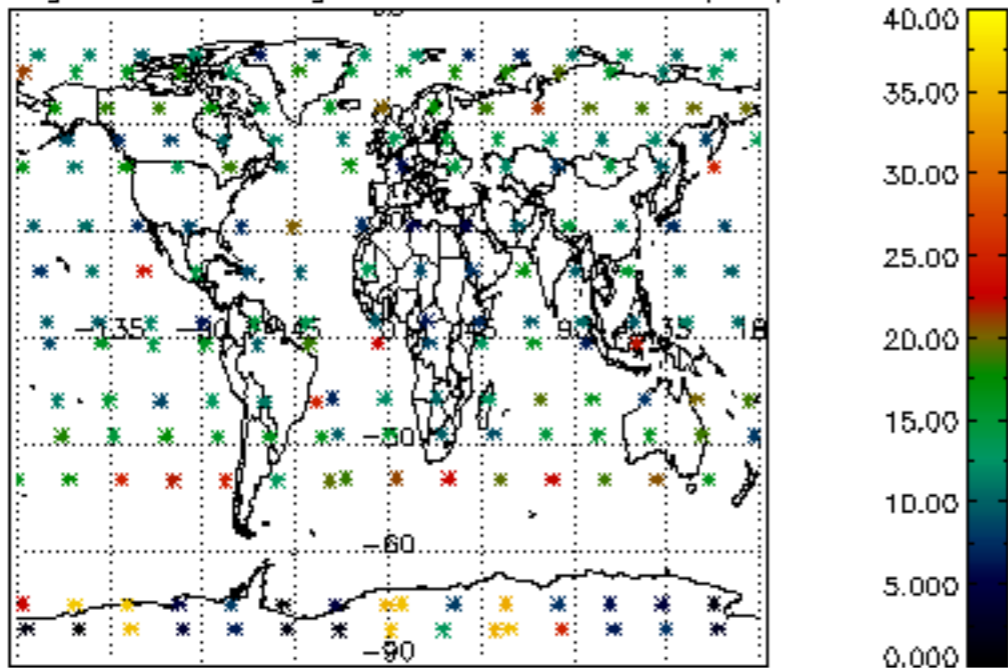
Percentage of cosmic ray hits per profile



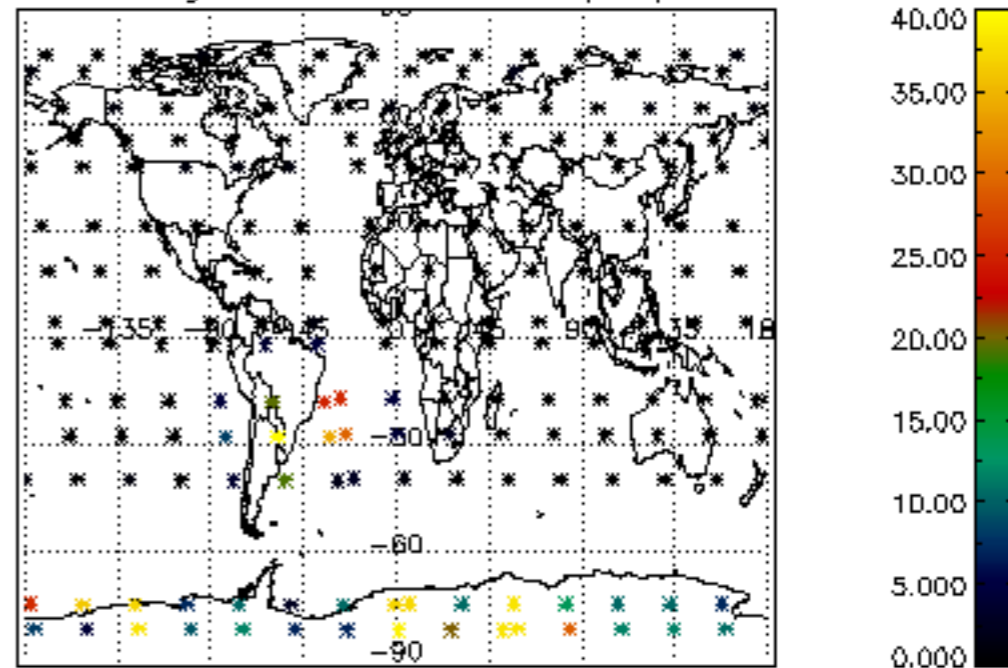
Percentage of datation errors per profile



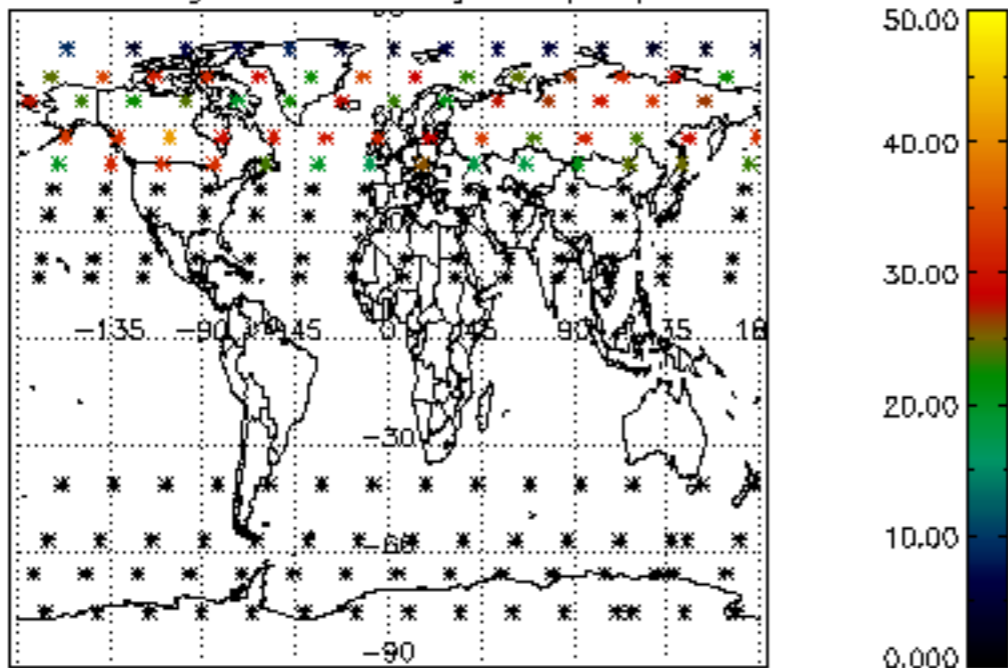
Percentage of star falling outside central band per profile



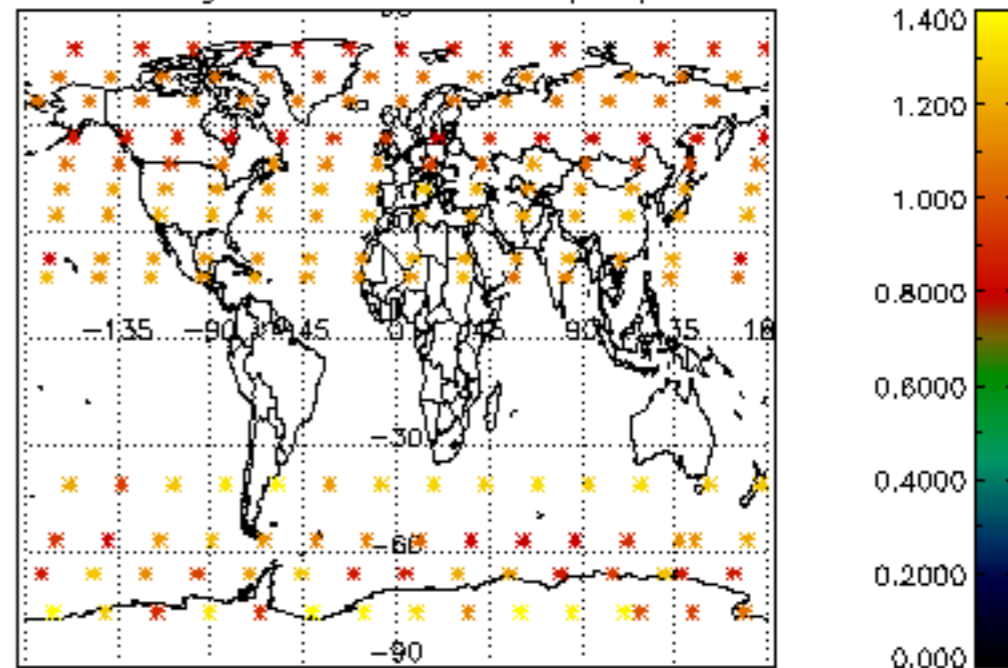
Percentage of saturation errors per profile



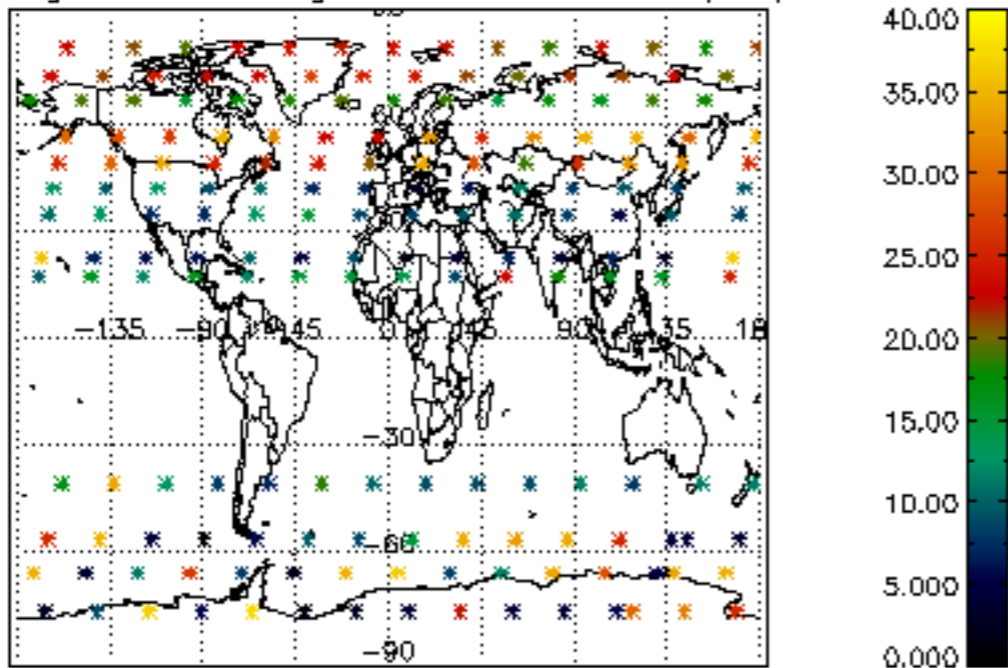
Percentage of cosmic ray hits per profile



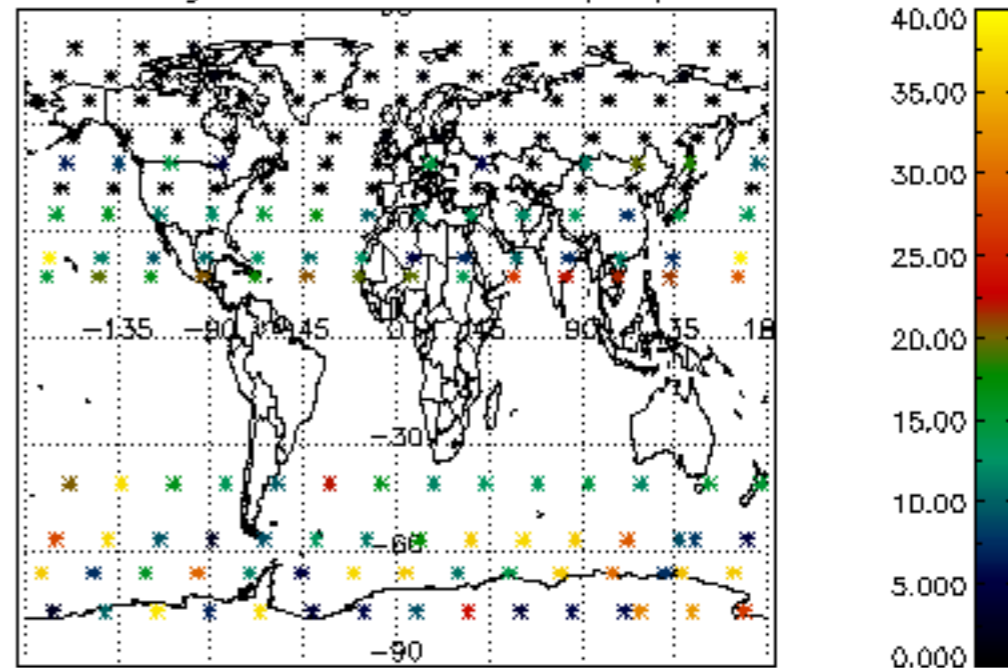
Percentage of datation errors per profile

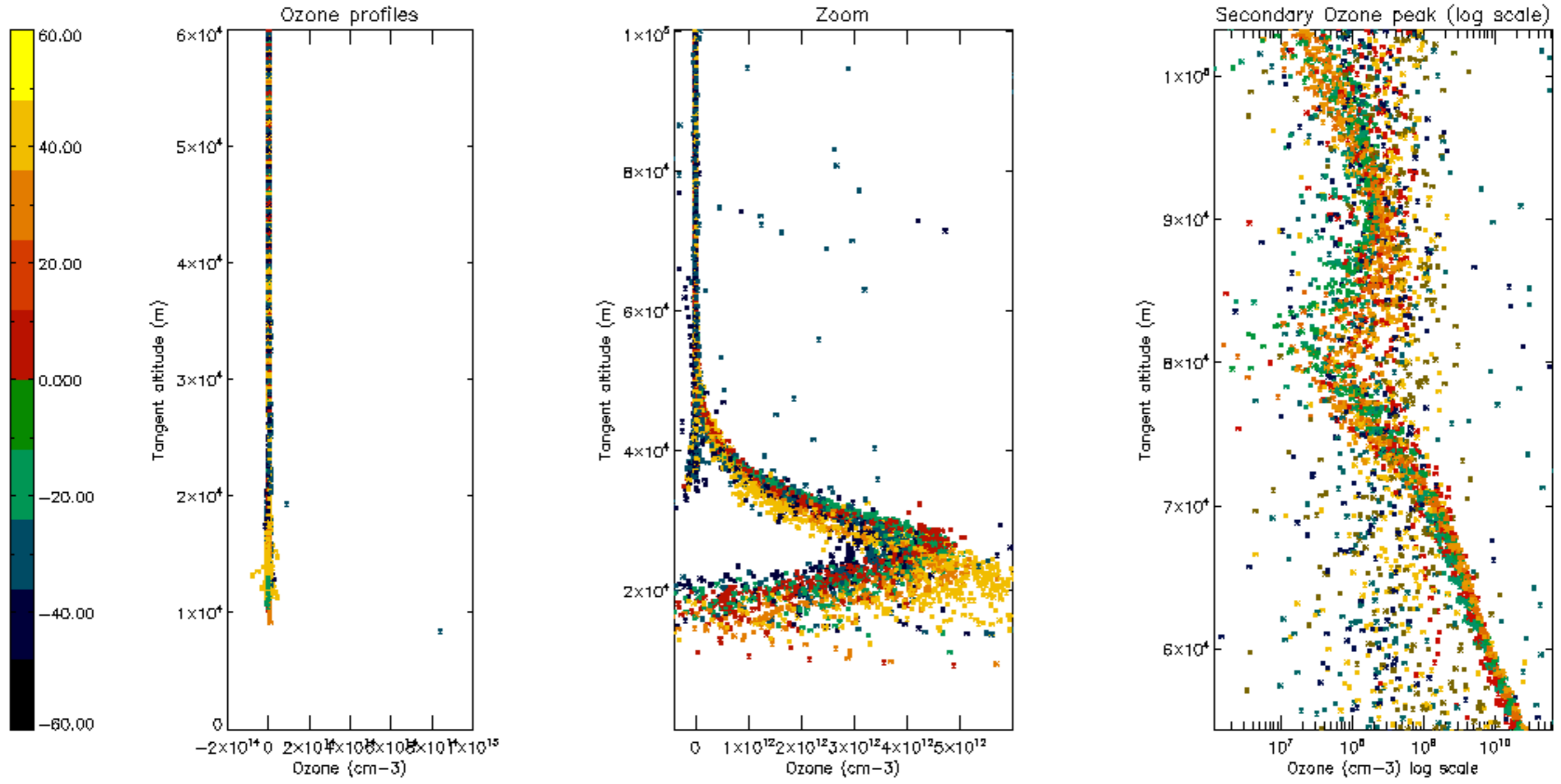


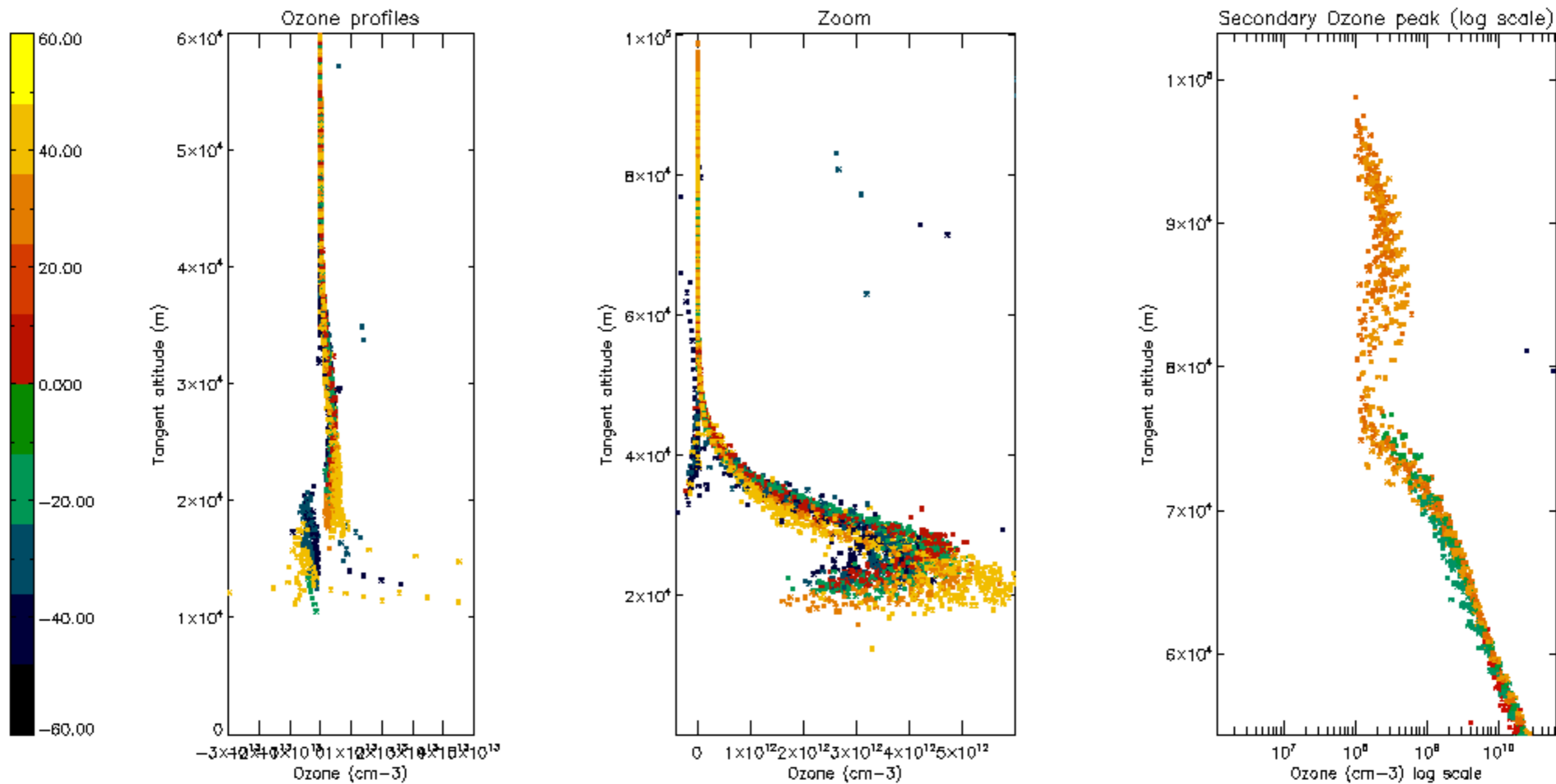
Percentage of star falling outside central band per profile

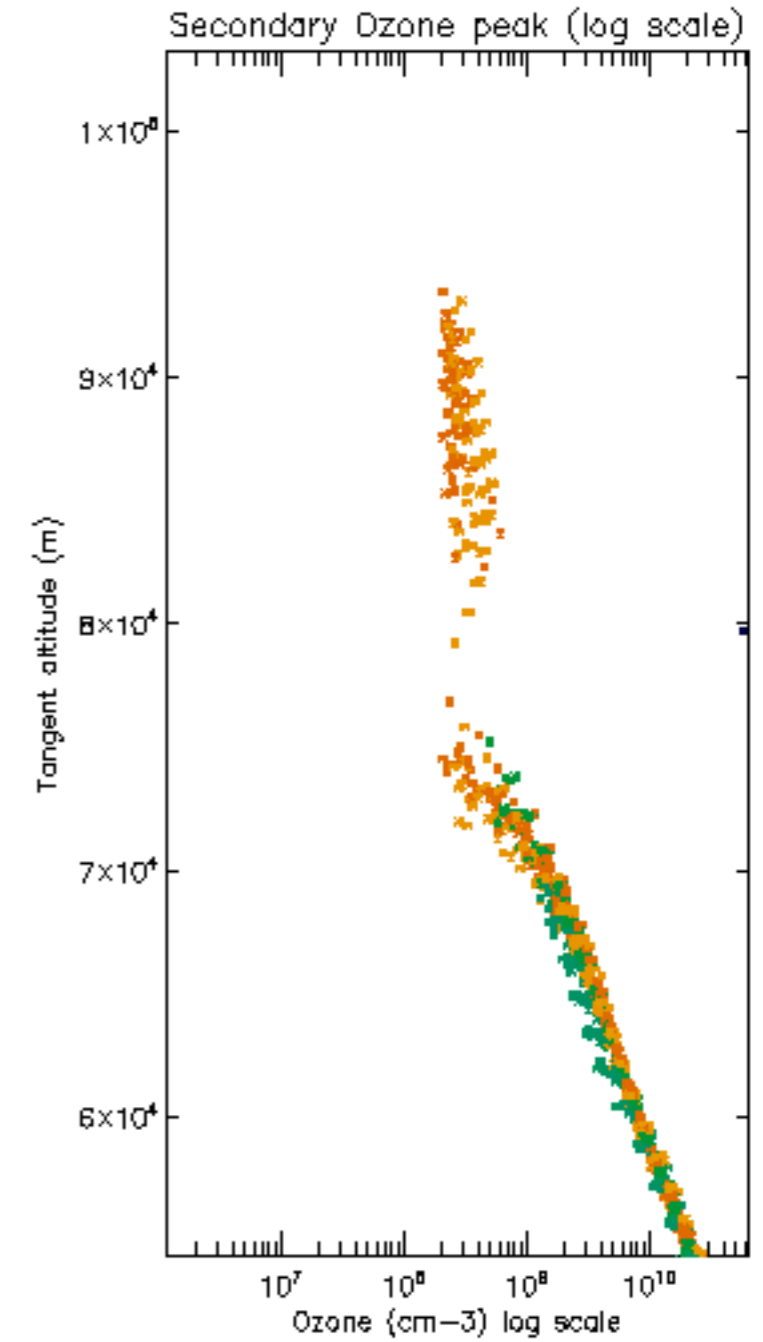
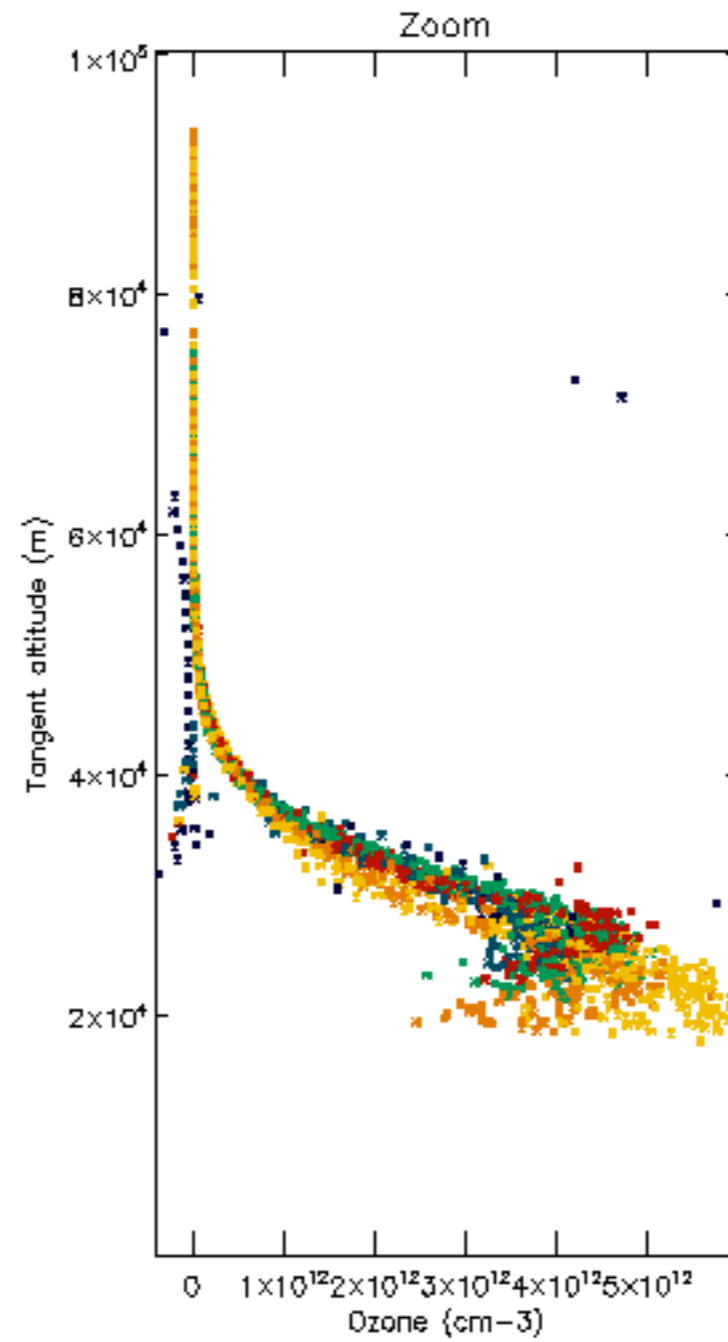
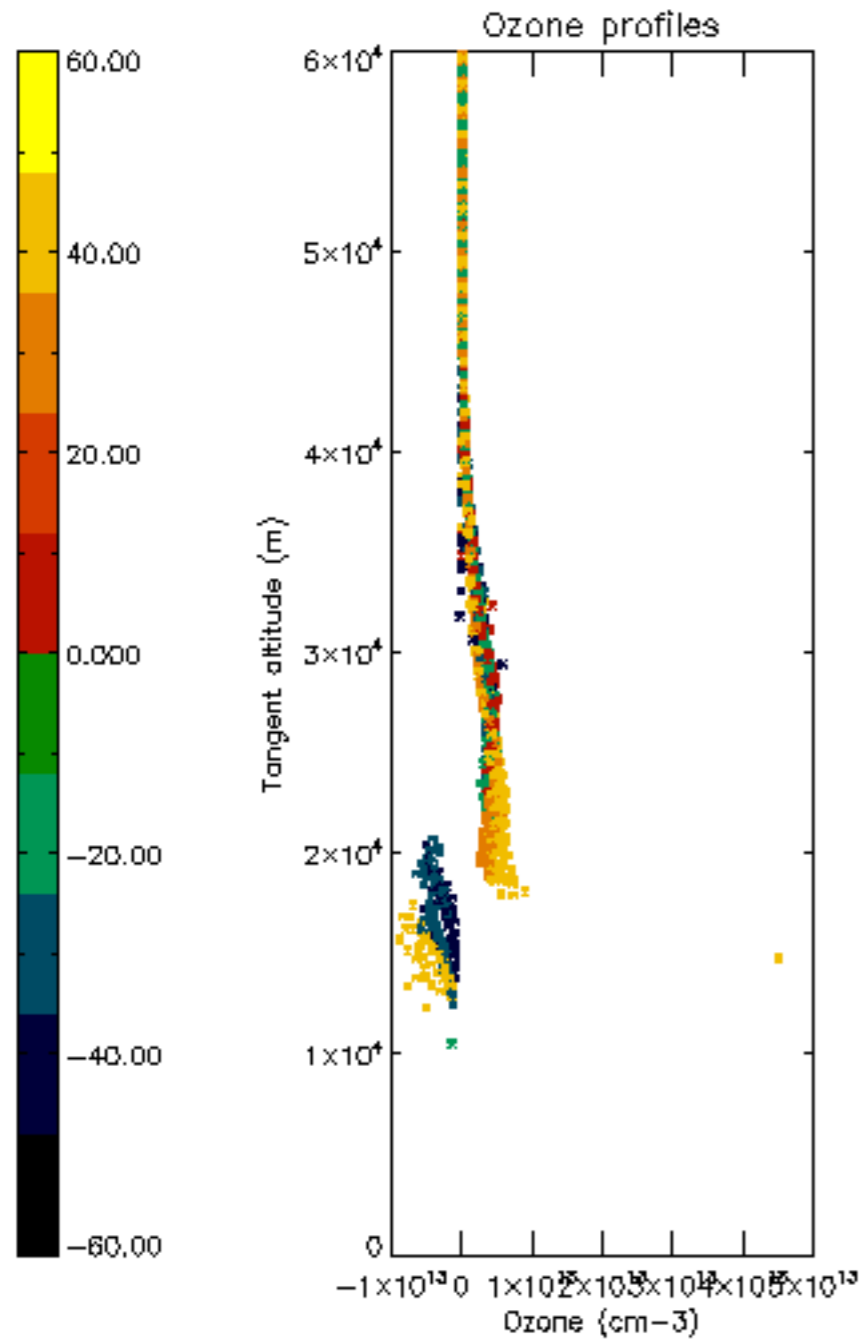


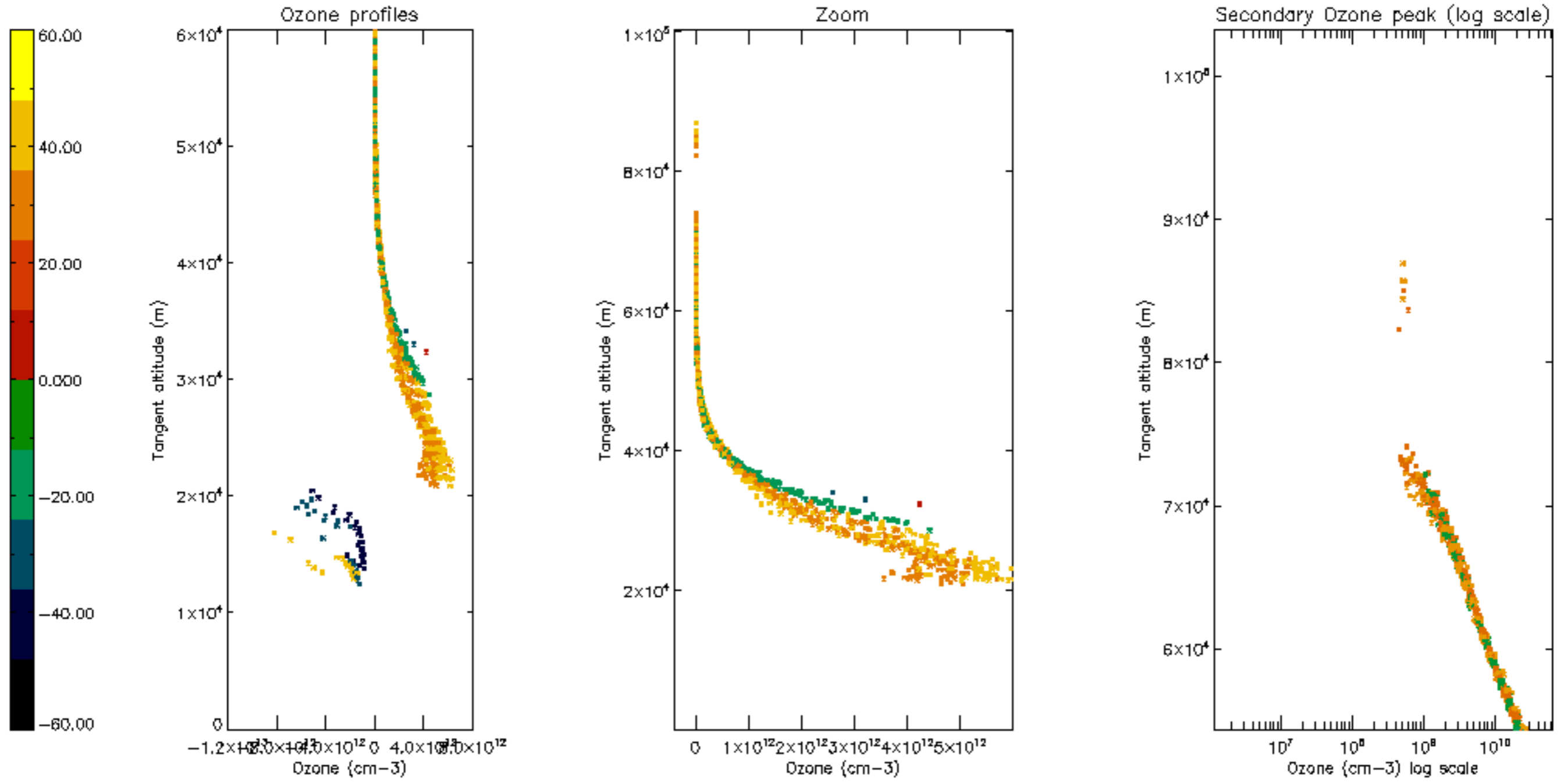
Percentage of saturation errors per profile

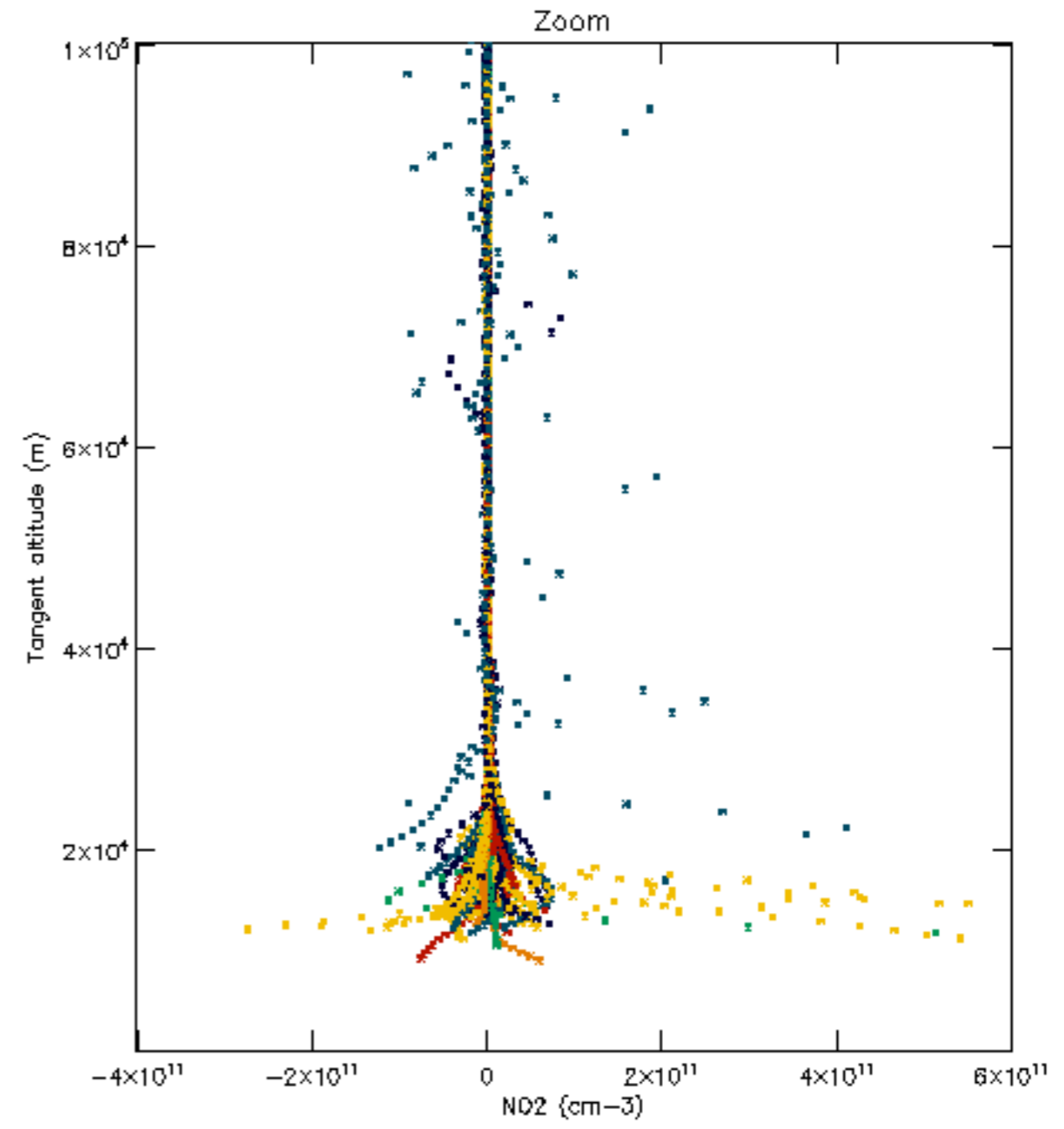
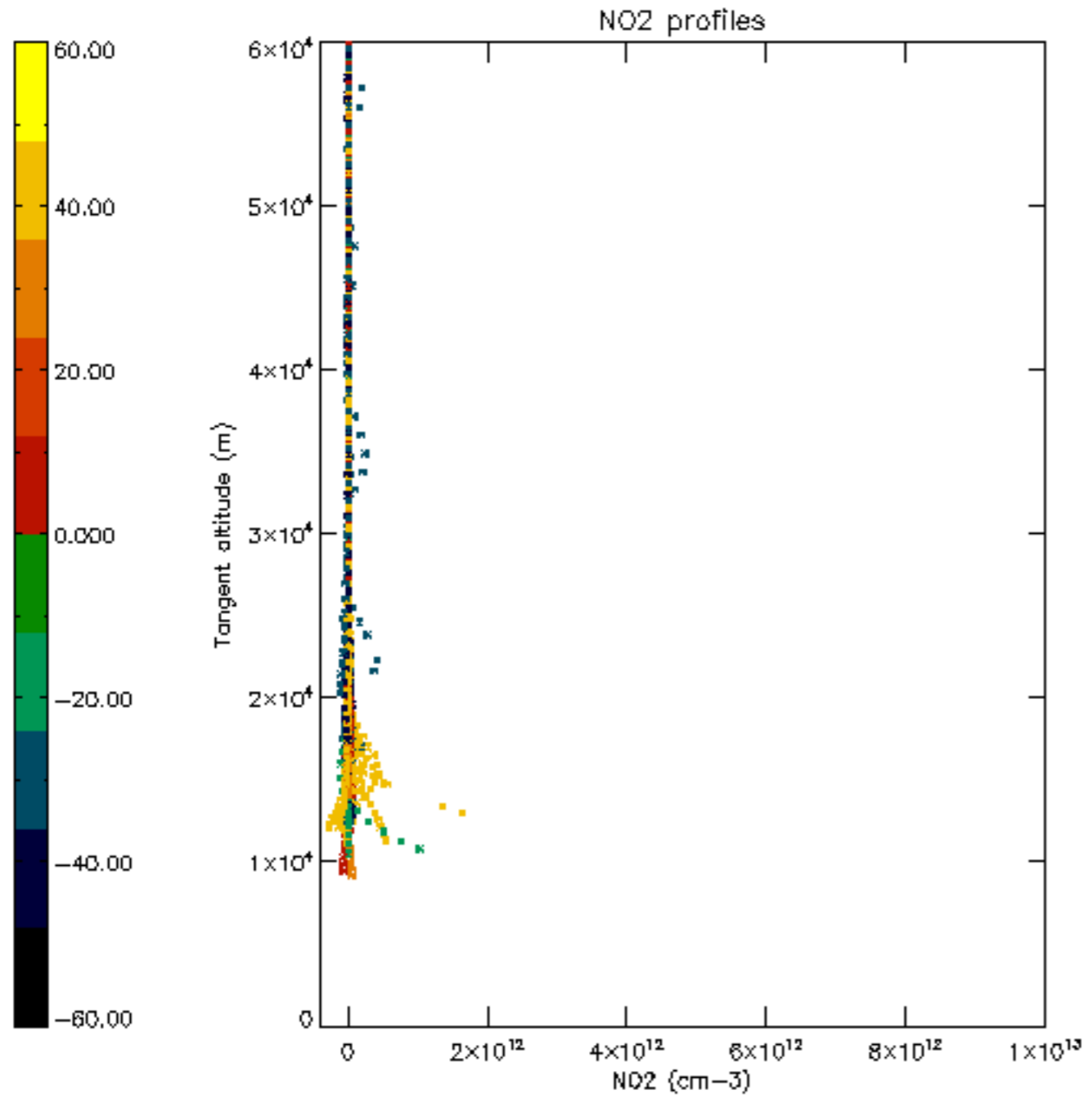


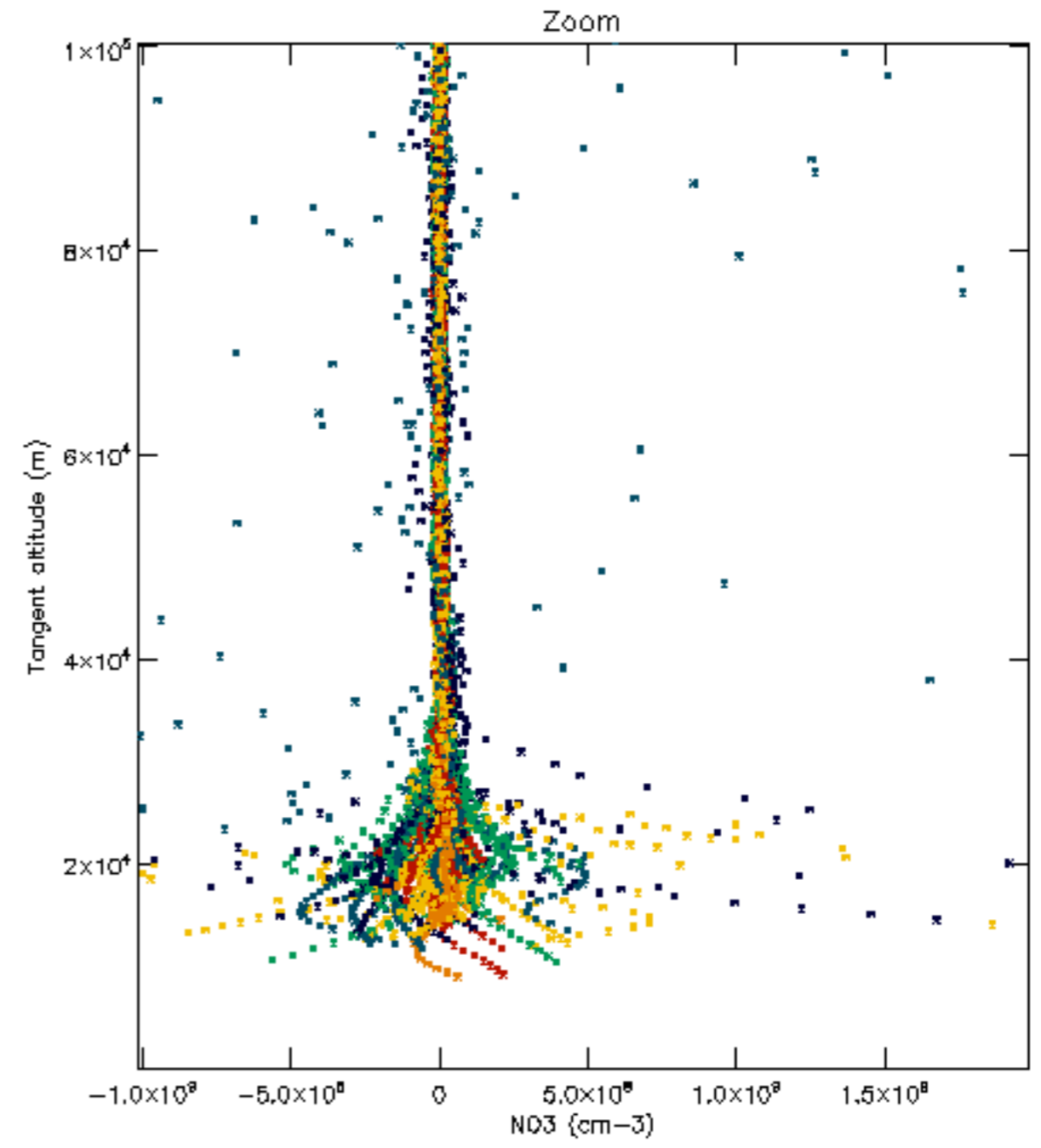
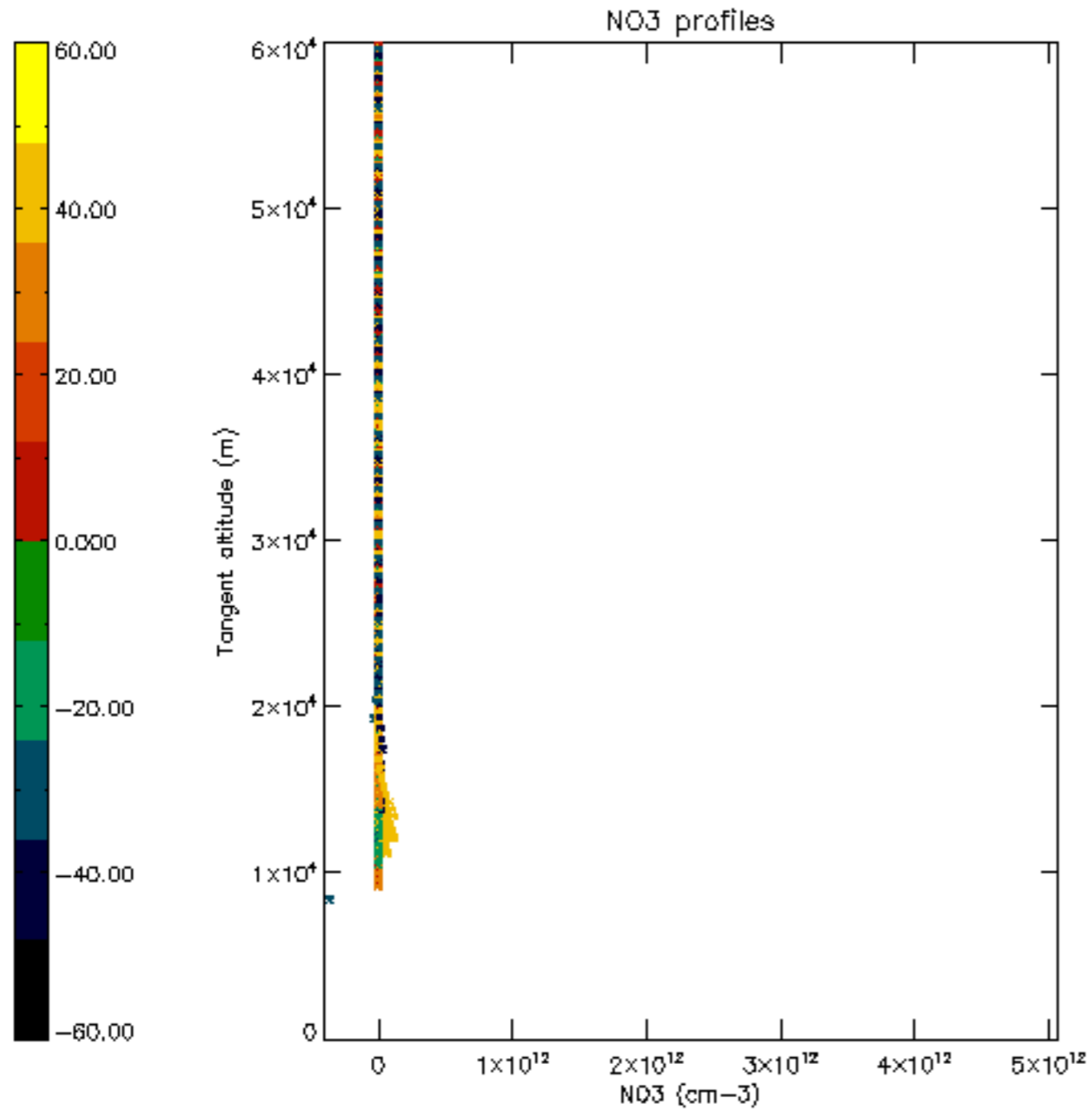


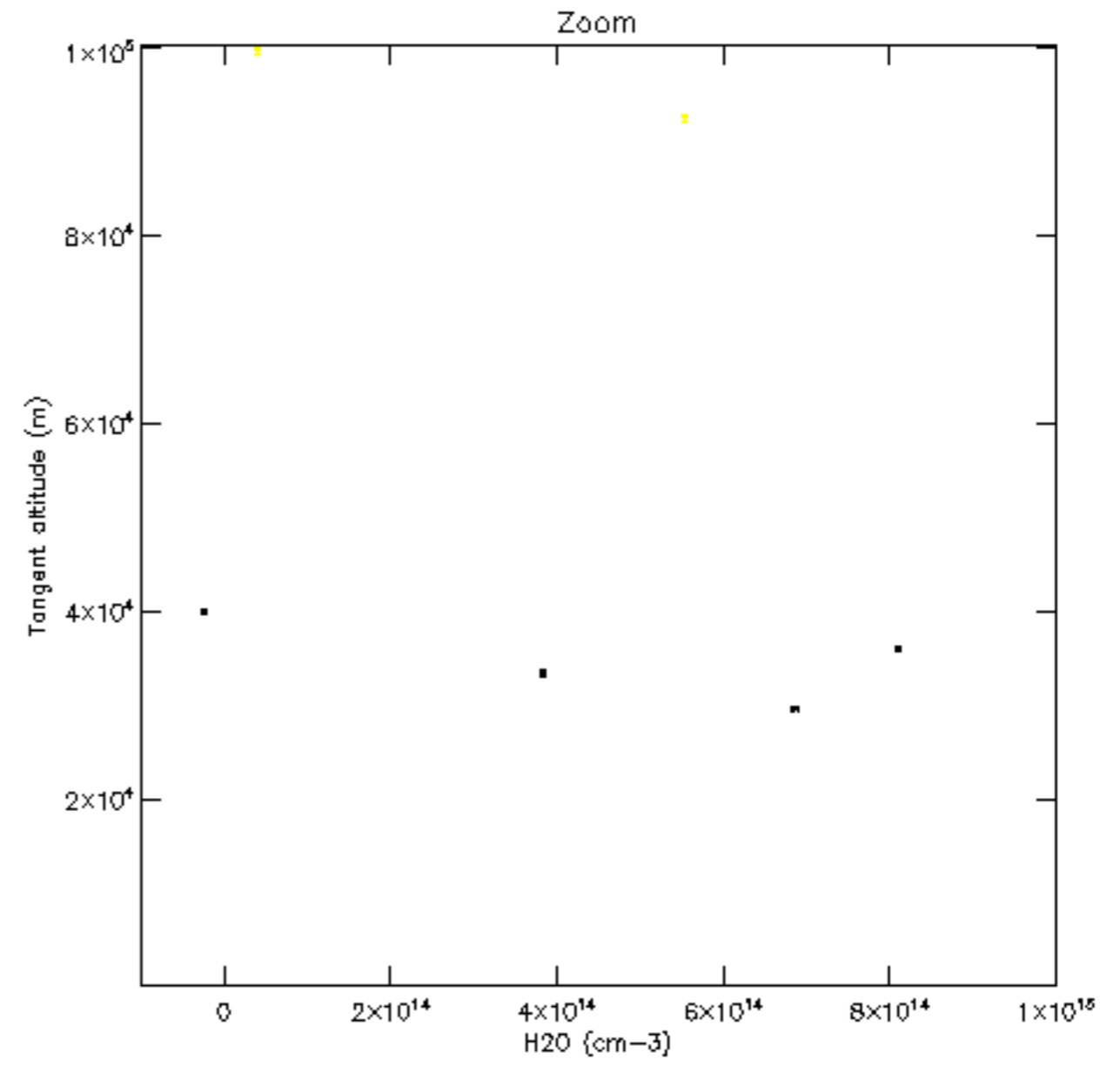
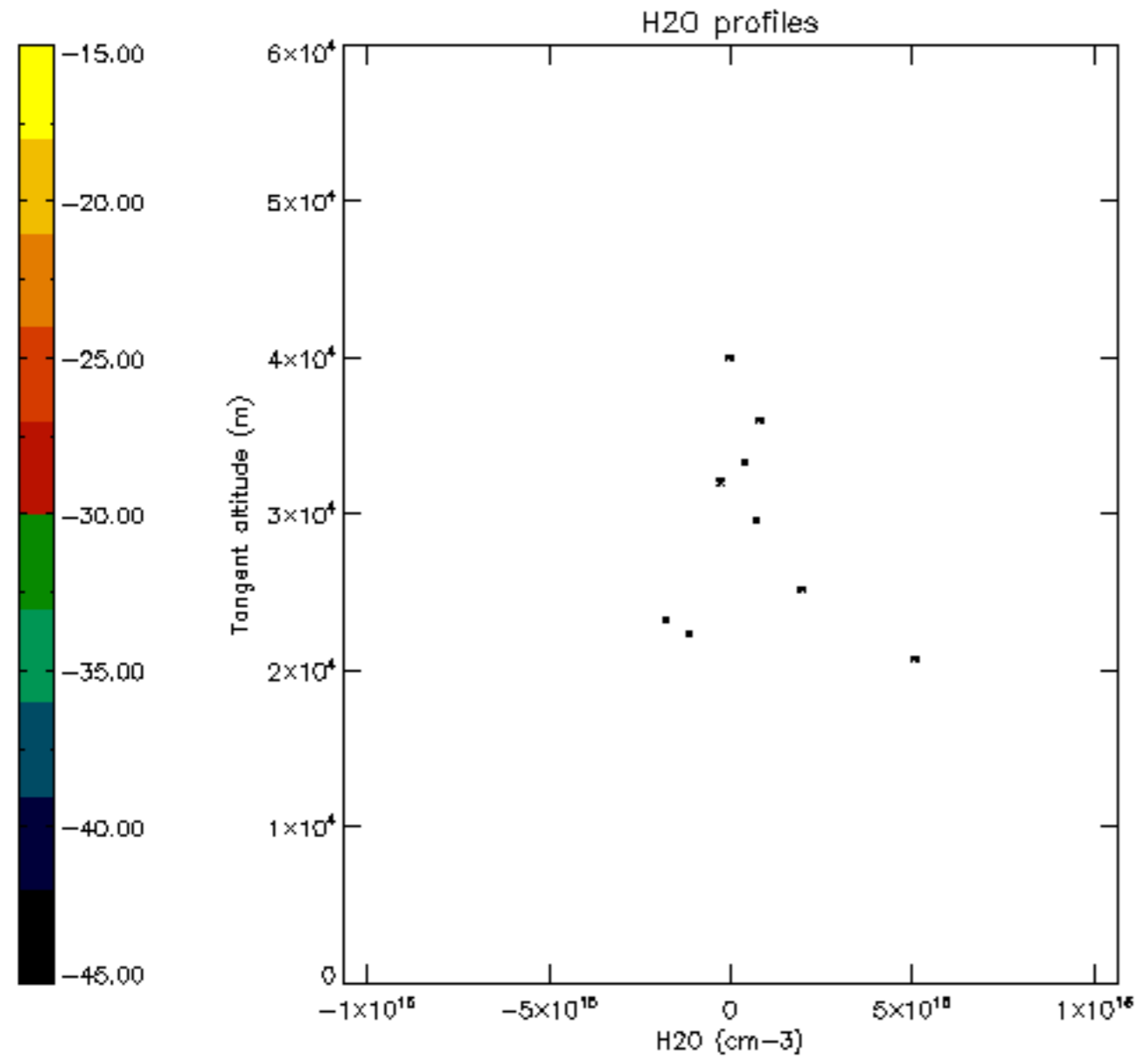


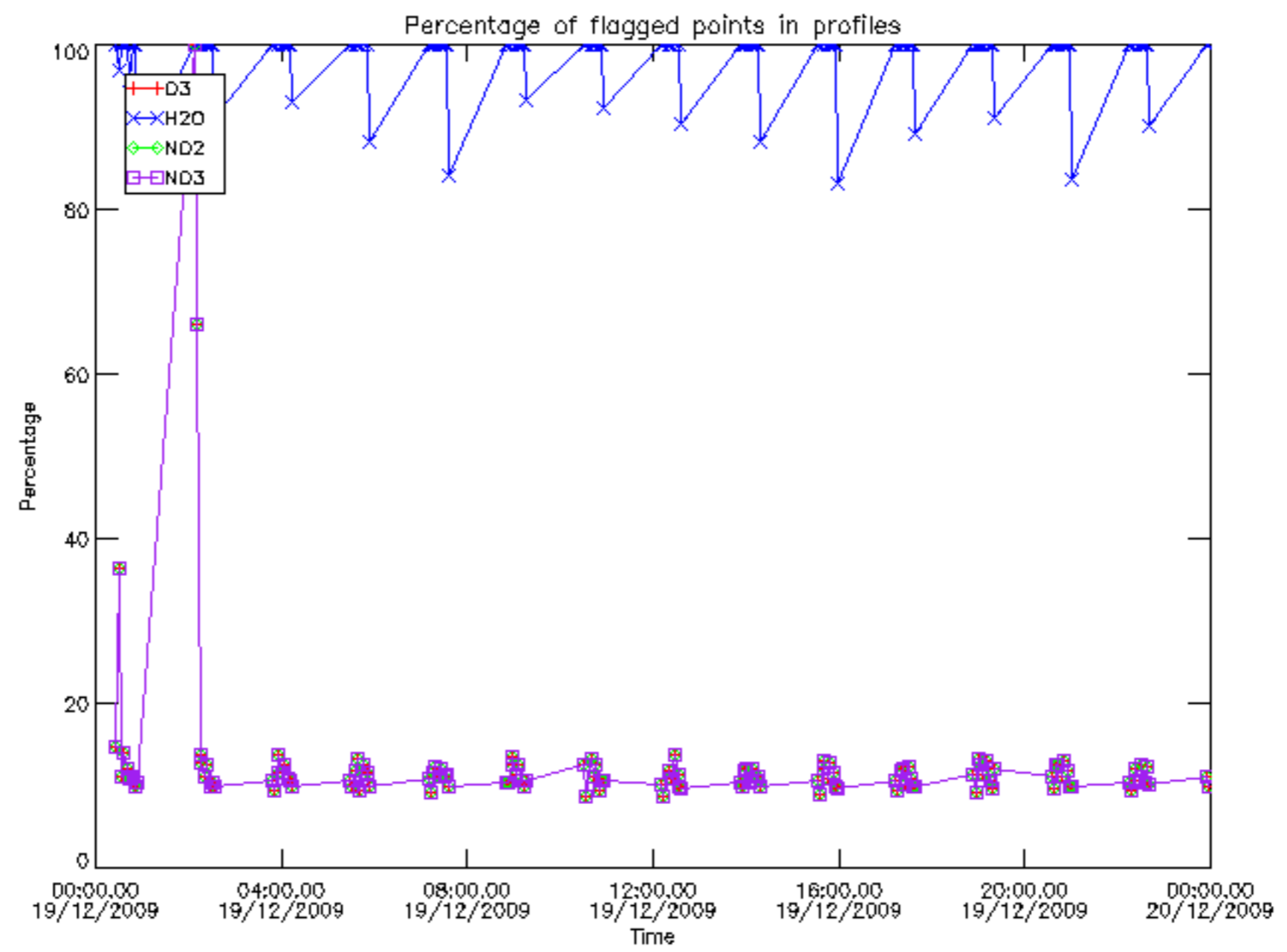




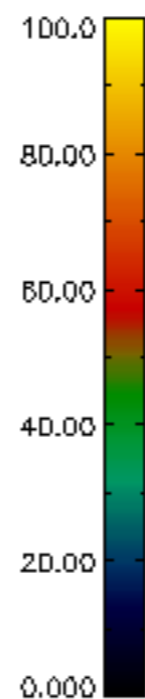
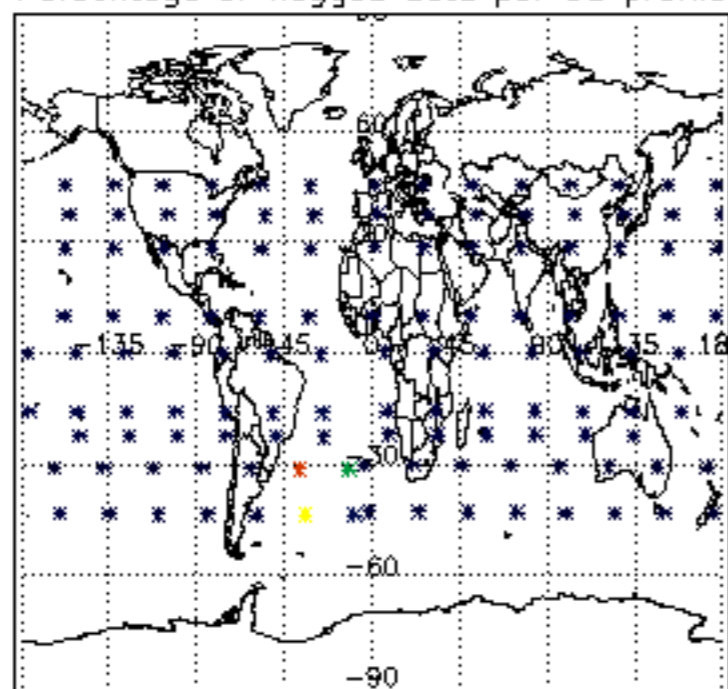




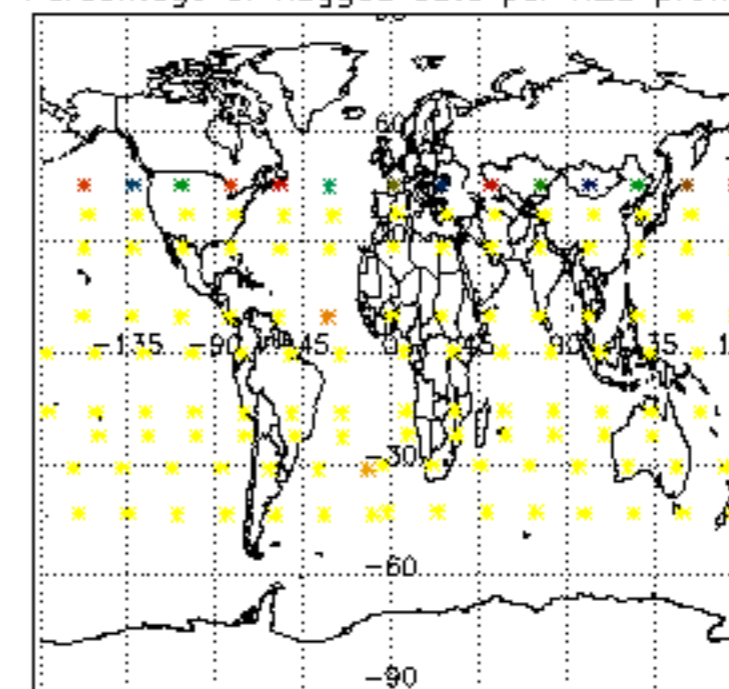




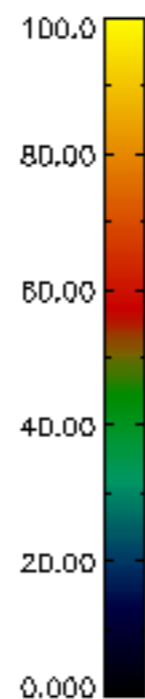
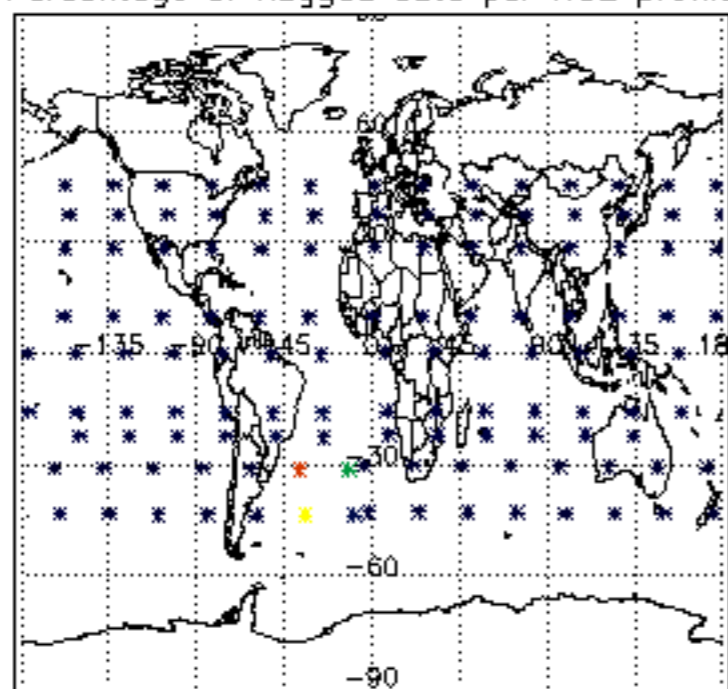
Percentage of flagged data per D3 profile



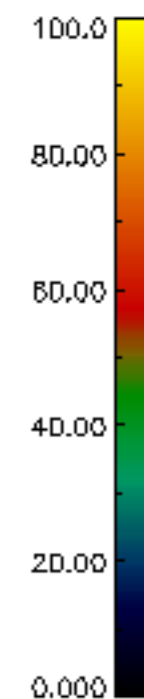
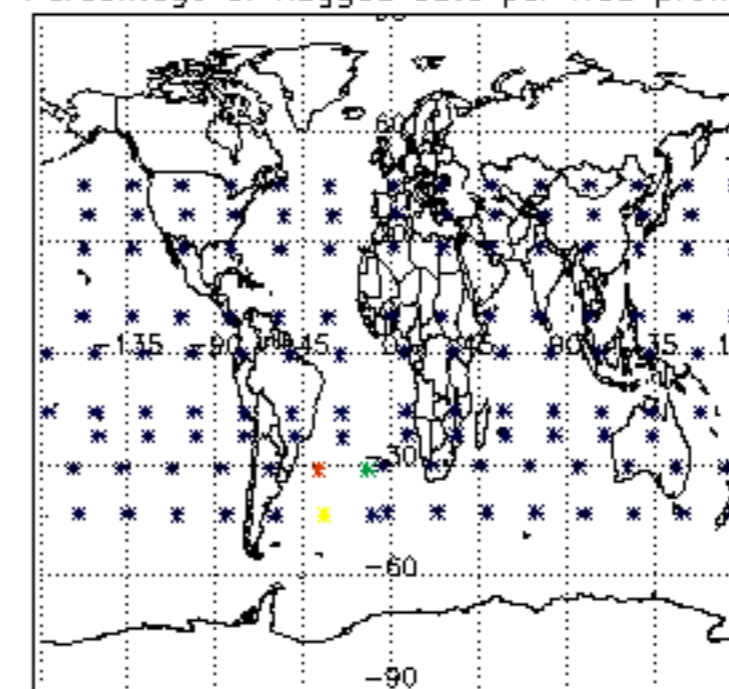
Percentage of flagged data per H2O profile

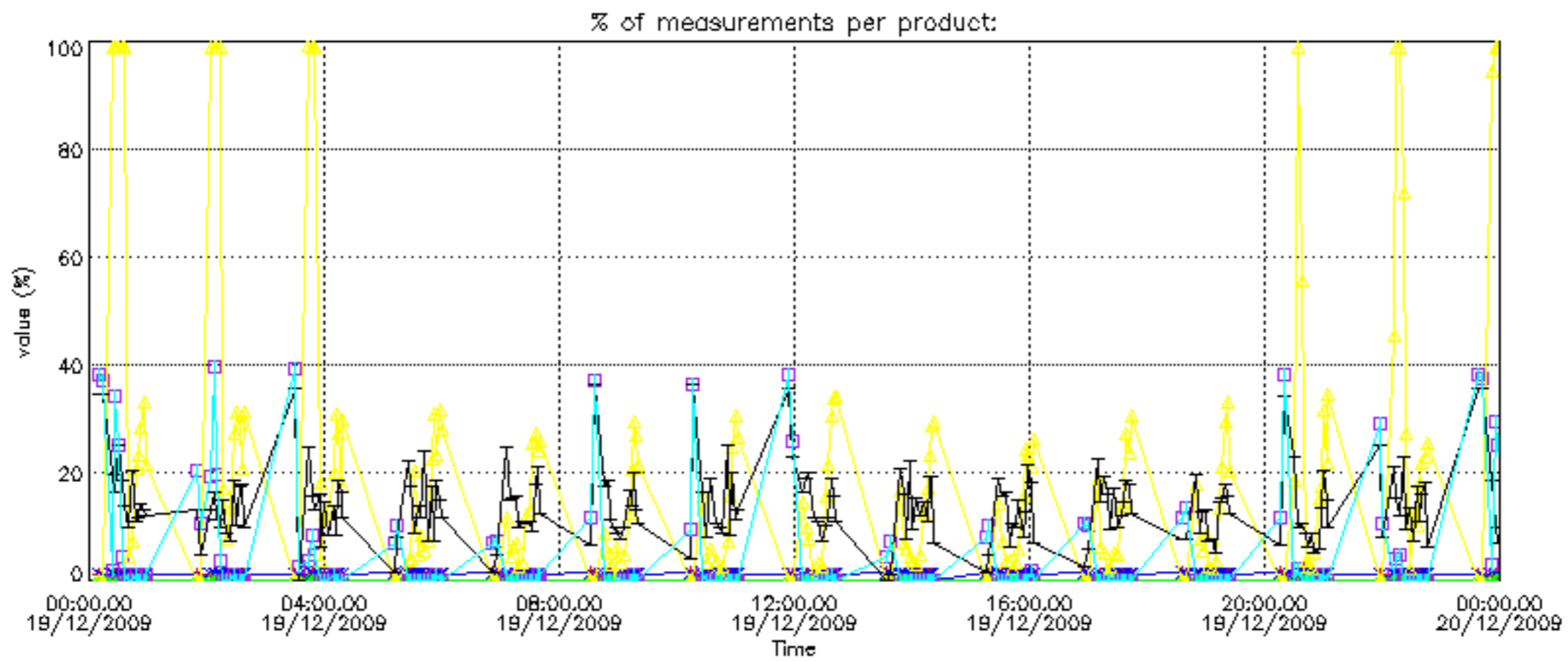


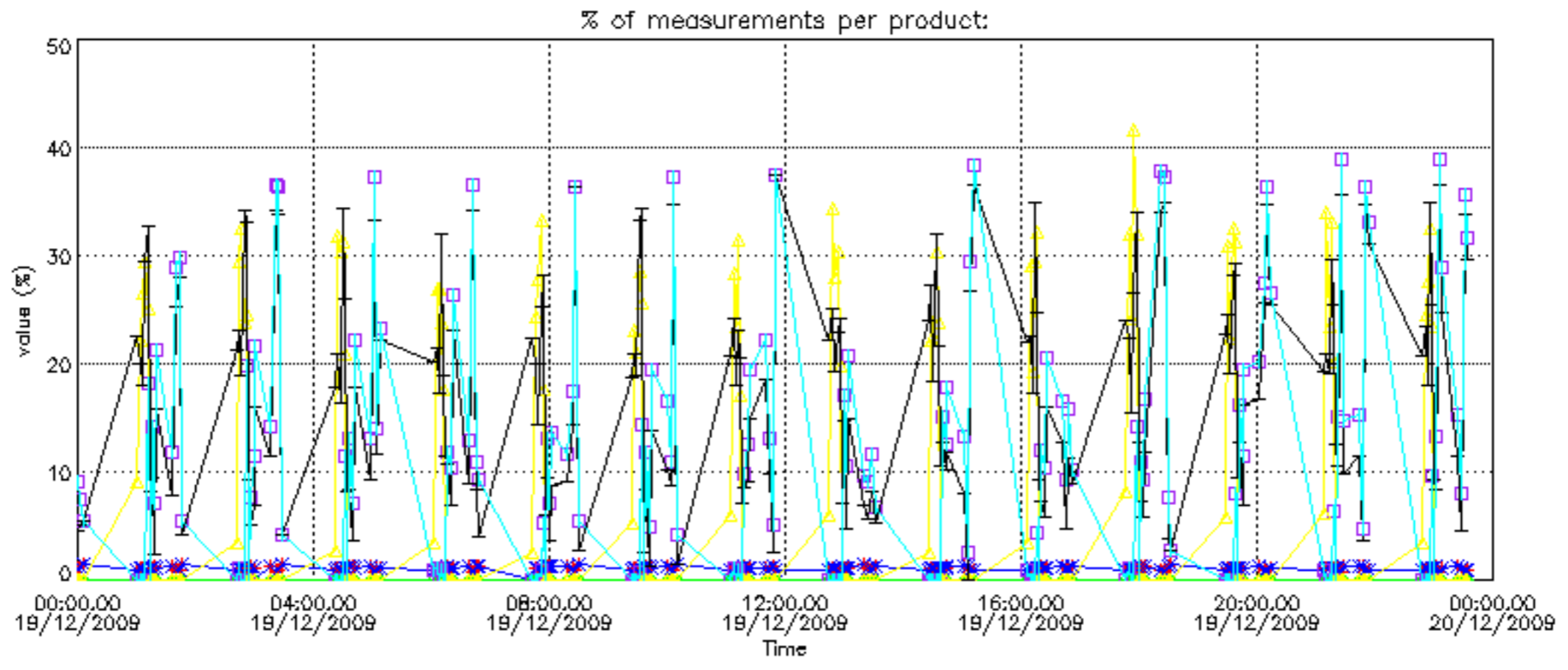
Percentage of flagged data per NO2 profile



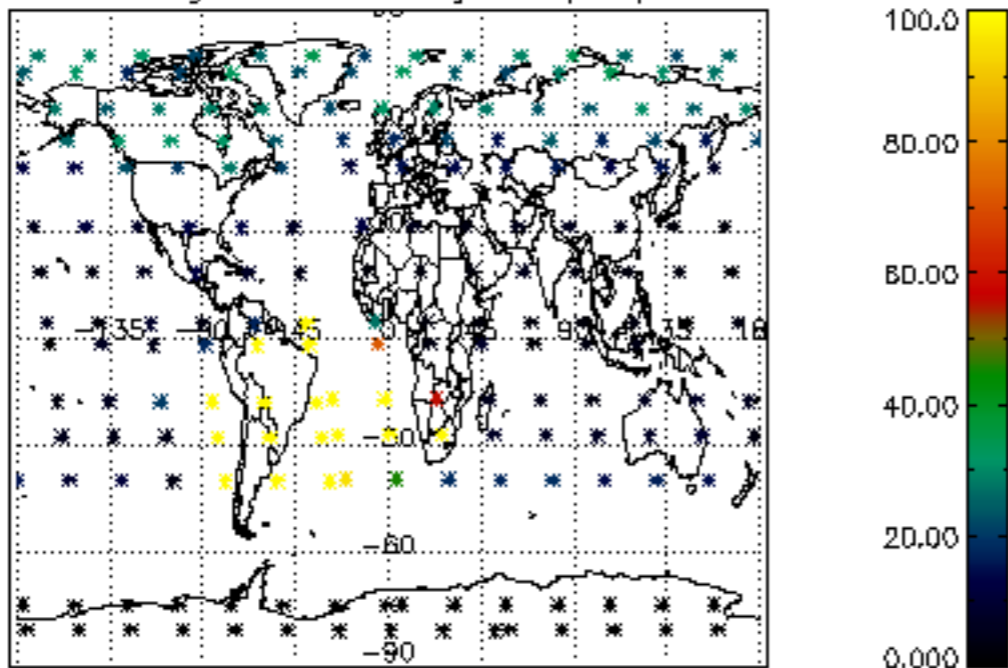
Percentage of flagged data per NO3 profile



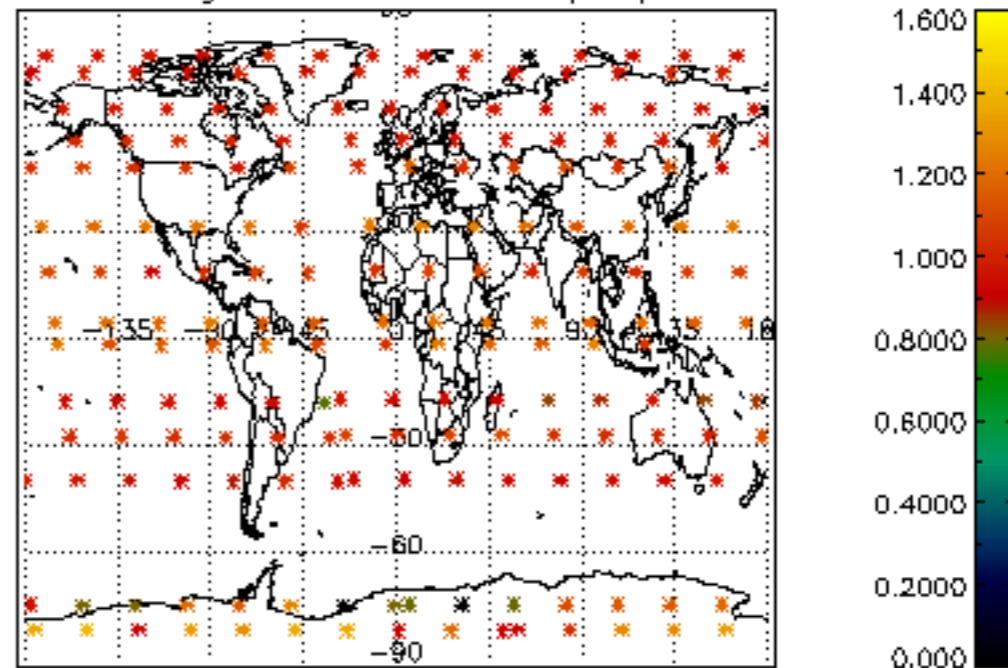




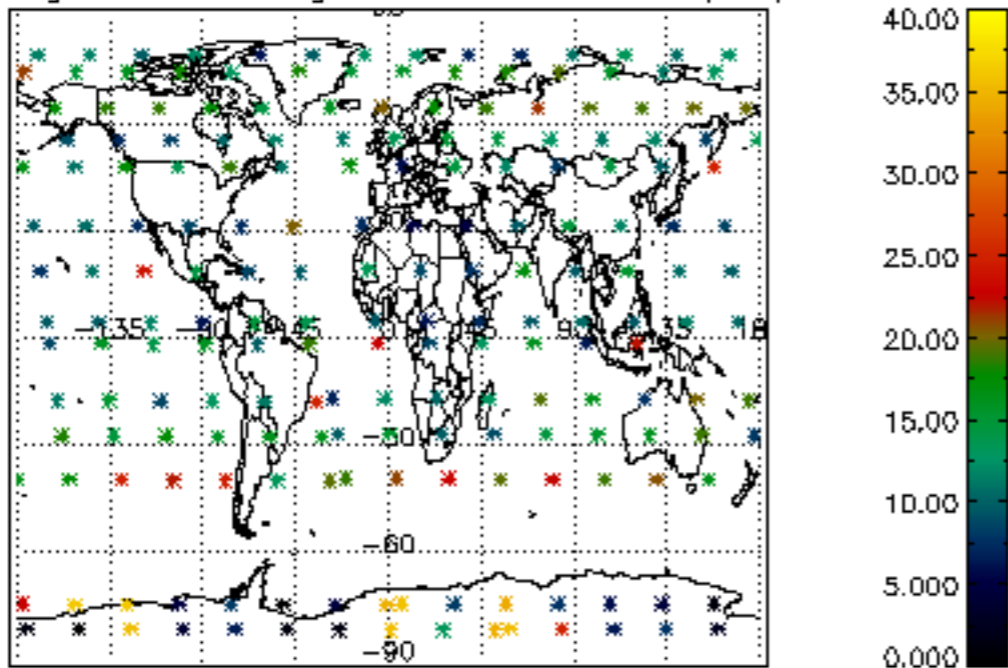
Percentage of cosmic ray hits per profile



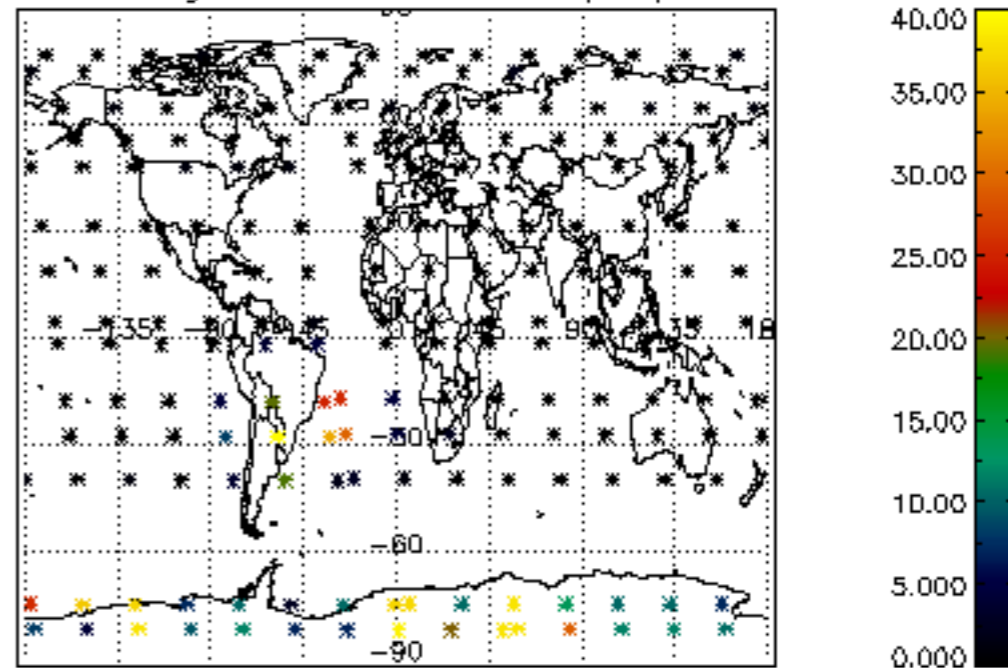
Percentage of datation errors per profile



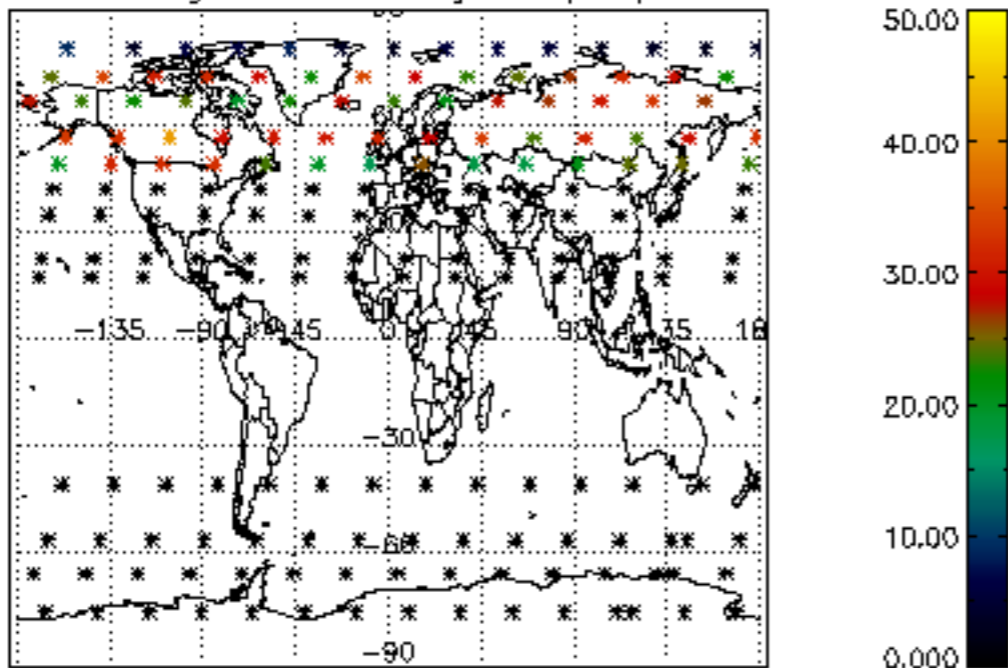
Percentage of star falling outside central band per profile



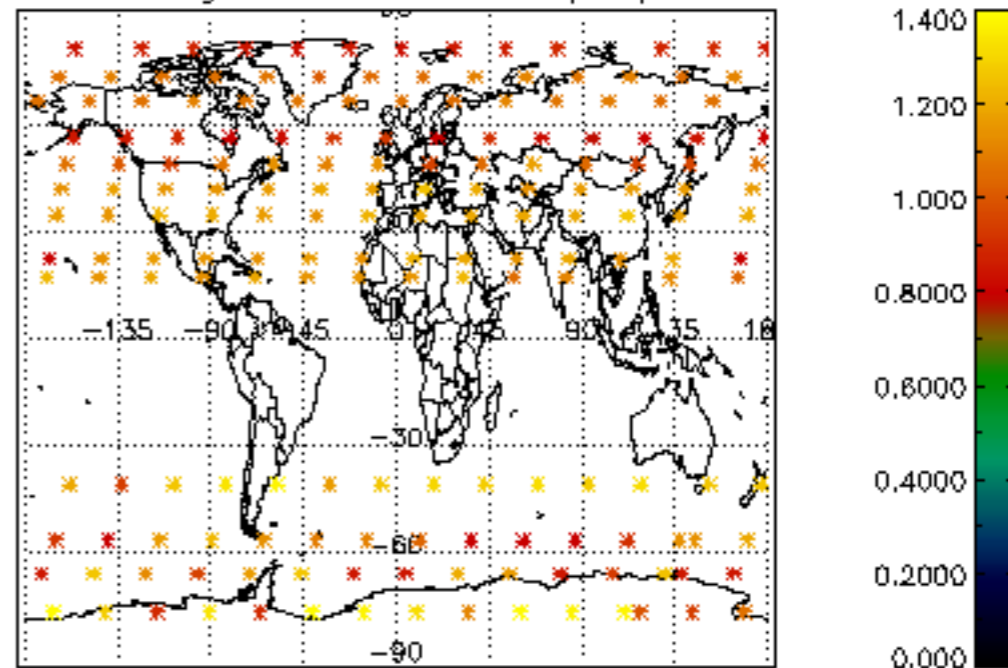
Percentage of saturation errors per profile



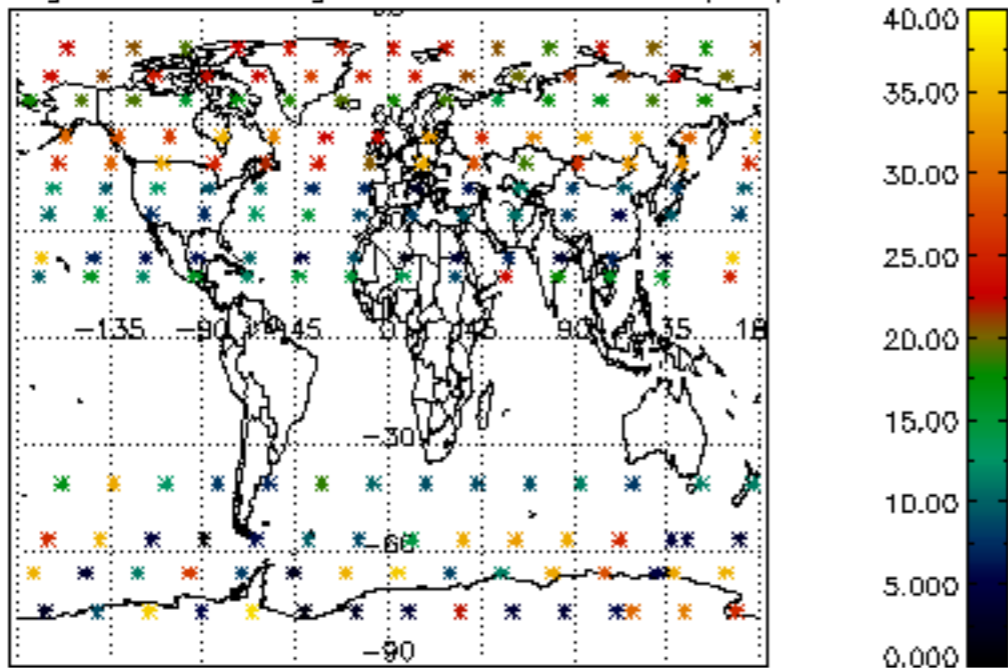
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

