

GOMOS Level 2 Daily Report

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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	26APR2013 16:42:50
Data source version	GOMOS/6.01
Start time of products	23-01-2010 (23JAN2010 00:00:00)
Stop time of products	24-01-2010 (24JAN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	347
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

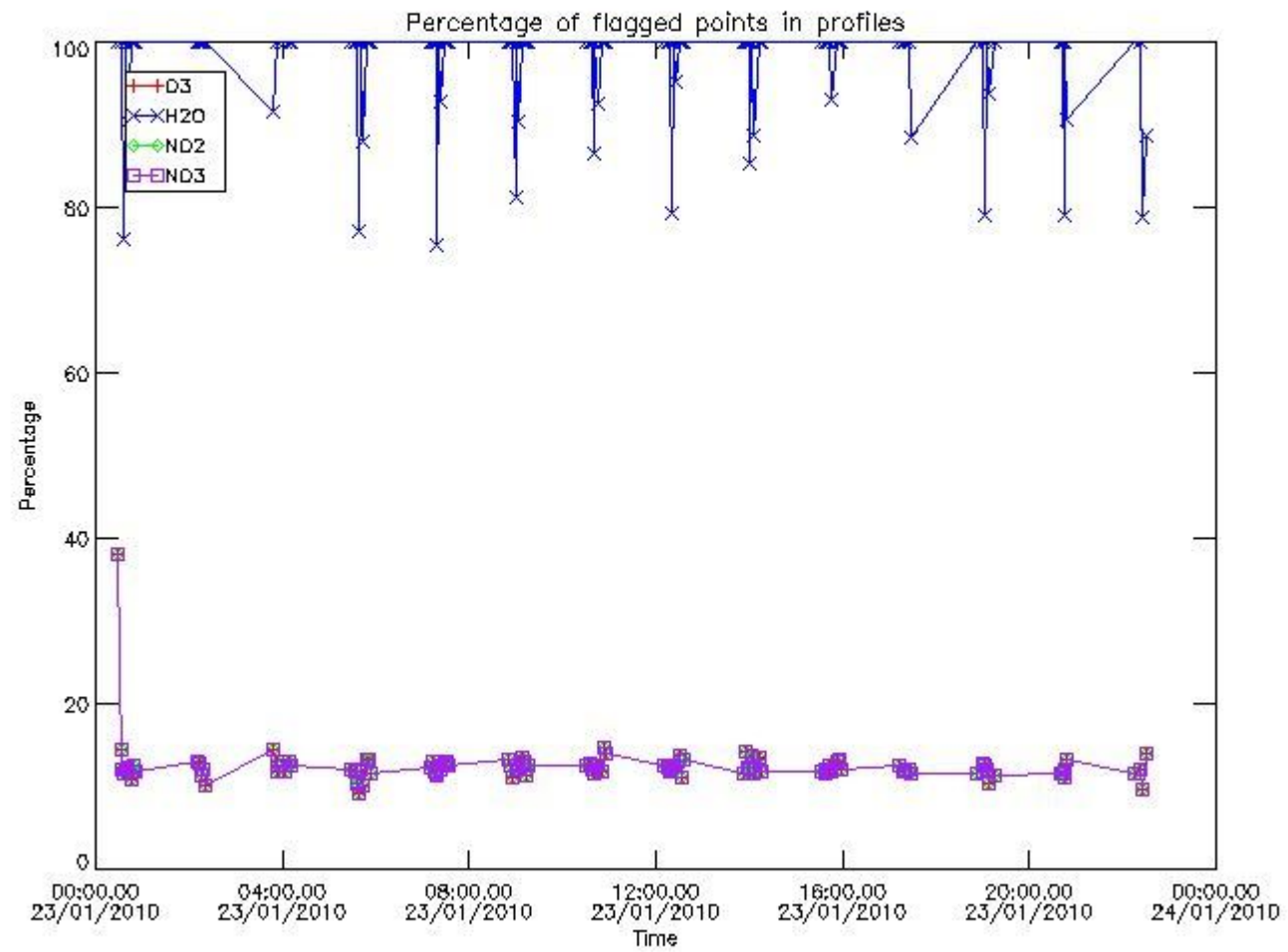
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100123_000204_000000382086_00159_41295_1498.N1	23-JAN-2010 00:02:04	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41295	No
2	GOM_NL__2PRFIN20100123_000829_000000402086_00159_41295_1499.N1	23-JAN-2010 00:08:29	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41295	No
3	GOM_NL__2PRFIN20100123_001146_000000402086_00159_41295_1500.N1	23-JAN-2010 00:11:46	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41295	No
4	GOM_NL__2PRFIN20100123_001531_000000342086_00159_41295_1501.N1	23-JAN-2010 00:15:31	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	41295	No
5	GOM_NL__2PRFIN20100123_002105_000000462086_00159_41295_1502.N1	23-JAN-2010 00:21:05	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	41295	No
6	GOM_NL__2PRFIN20100123_002535_000000492086_00159_41295_1503.N1	23-JAN-2010 00:25:35	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	41295	No
7	GOM_NL__2PRFIN20100123_002703_000000442086_00159_41295_1504.N1	23-JAN-2010 00:27:03	Dark	44.000	75	26Eps Sco	2.2910	4250.0	88	41295	No
8	GOM_NL__2PRFIN20100123_003304_000000432086_00159_41295_1505.N1	23-JAN-2010 00:33:04	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41295	No
9	GOM_NL__2PRFIN20100123_003433_000000422086_00159_41295_1506.N1	23-JAN-2010 00:34:33	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41295	No
10	GOM_NL__2PRFIN20100123_003643_000000452086_00160_41296_1487.N1	23-JAN-2010 00:36:43	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	41296	No
11	GOM_NL__2PRFIN20100123_003807_000000422086_00160_41296_1488.N1	23-JAN-2010 00:38:07	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41296	No
12	GOM_NL__2PRFIN20100123_004115_000000422086_00160_41296_1489.N1	23-JAN-2010 00:41:15	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41296	No
13	GOM_NL__2PRFIN20100123_004539_000000472086_00160_41296_1490.N1	23-JAN-2010 00:45:39	Dark	46.500	159	Ups Car	2.9200	7200.0	93	41296	No
14	GOM_NL__2PRFIN20100123_004733_000000442086_00160_41296_1491.N1	23-JAN-2010 00:47:33	Dark	43.500	71	lot Car	2.2460	7700.0	87	41296	No
15	GOM_NL__2PRFIN20100123_004922_000000412086_00160_41296_1492.N1	23-JAN-2010 00:49:22	Dark	41.000	46	Del Vel	1.9540	10600.	82	41296	No
16	GOM_NL__2PRFIN20100123_005200_000000432086_00160_41296_1493.N1	23-JAN-2010 00:52:00	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41296	No
17	GOM_NL__2PRFIN20100123_005407_000000432086_00160_41296_1494.N1	23-JAN-2010 00:54:07	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	41296	No
18	GOM_NL__2PRFIN20100123_005538_000000442086_00160_41296_1495.N1	23-JAN-2010 00:55:38	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41296	No
19	GOM_NL__2PRFIN20100123_005806_000000432086_00160_41296_1496.N1	23-JAN-2010 00:58:06	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41296	No
20	GOM_NL__2PRFIN20100123_005930_000000412086_00160_41296_1497.N1	23-JAN-2010 00:59:30	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41296	No
21	GOM_NL__2PRFIN20100123_010140_000000452086_00160_41296_1498.N1	23-JAN-2010 01:01:40	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41296	No
22	GOM_NL__2PRFIN20100123_010753_000000502086_00160_41296_1499.N1	23-JAN-2010 01:07:53	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	41296	No
23	GOM_NL__2PRFIN20100123_011103_000000412086_00160_41296_1500.N1	23-JAN-2010 01:11:03	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41296	No
24	GOM_NL__2PRFIN20100123_011249_000000432086_00160_41296_1501.N1	23-JAN-2010 01:12:49	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	41296	No
25	GOM_NL__2PRFIN20100123_011459_000000452086_00160_41296_1502.N1	23-JAN-2010 01:14:59	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41296	No
26	GOM_NL__2PRFIN20100123_011701_000000362086_00160_41296_1503.N1	23-JAN-2010 01:17:01	Bright	36.000	107	37The Aur	2.6490	11000.	72	41296	No
27	GOM_NL__2PRFIN20100123_011910_000000362086_00160_41296_1504.N1	23-JAN-2010 01:19:10	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41296	No
28	GOM_NL__2PRFIN20100123_013142_000000352086_00160_41296_1505.N1	23-JAN-2010 01:31:42	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41296	No
29	GOM_NL__2PRFIN20100123_013518_000000432086_00160_41296_1506.N1	23-JAN-2010 01:35:18	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41296	No
30	GOM_NL__2PRFIN20100123_013949_000000402086_00160_41296_1507.N1	23-JAN-2010 01:39:49	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41296	No
31	GOM_NL__2PRFIN20100123_014240_000000352086_00160_41296_1508.N1	23-JAN-2010 01:42:40	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41296	No
32	GOM_NL__2PRFIN20100123_014905_000000392086_00160_41296_1509.N1	23-JAN-2010 01:49:05	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41296	No
33	GOM_NL__2PRFIN20100123_015222_000000412086_00160_41296_1510.N1	23-JAN-2010 01:52:22	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	41296	No
34	GOM_NL__2PRFIN20100123_015400_000000342086_00160_41296_1511.N1	23-JAN-2010 01:54:00	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	41296	No
35	GOM_NL__2PRFIN20100123_015607_000000332086_00160_41296_1512.N1	23-JAN-2010 01:56:07	Bright	32.500	126	60Bet Oph	2.7700	4250.0	65	41296	No
36	GOM_NL__2PRFIN20100123_020141_000000472086_00160_41296_1513.N1	23-JAN-2010 02:01:41	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	41296	No
37	GOM_NL__2PRFIN20100123_020611_000000552086_00160_41296_1514.N1	23-JAN-2010 02:06:11	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	41296	No
38	GOM_NL__2PRFIN20100123_021142_000000432086_00160_41296_1515.N1	23-JAN-2010 02:11:42	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41296	No
39	GOM_NL__2PRFIN20100123_021341_000000442086_00160_41296_1516.N1	23-JAN-2010 02:13:41	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41296	No
40	GOM_NL__2PRFIN20100123_021510_000000452086_00160_41296_1517.N1	23-JAN-2010 02:15:10	Dark	45.000	78	Alp Lup	2.3040	28000.	90	41296	No
41	GOM_NL__2PRFIN20100123_021844_000000432086_00161_41297_1495.N1	23-JAN-2010 02:18:44	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41297	No
42	GOM_NL__2PRFIN20100123_022152_000000502086_00161_41297_1496.N1	23-JAN-2010 02:21:52	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	41297	No

338	GOM_NL__2PRFIN20100123_224929_000000432086_00173_41309_1631.N1	23-JAN-2010 22:49:29	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41309	No
339	GOM_NL__2PRFIN20100123_225539_000000462086_00173_41309_1632.N1	23-JAN-2010 22:55:39	Twilight	46.000	8	10Alp CMI	0.40000	6500.0	92	41309	No
340	GOM_NL__2PRFIN20100123_225850_000000192086_00173_41309_1633.N1	23-JAN-2010 22:58:50	Twilight	19.000	44	24Gam Gem	1.9280	11000.	38	41309	No
341	GOM_NL__2PRFIN20100123_230242_000000452086_00173_41309_1634.N1	23-JAN-2010 23:02:42	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41309	No
342	GOM_NL__2PRFIN20100123_230450_000000362086_00173_41309_1635.N1	23-JAN-2010 23:04:50	Bright	36.000	107	37The Aur	2.6490	11000.	72	41309	No
343	GOM_NL__2PRFIN20100123_230658_000000372086_00173_41309_1636.N1	23-JAN-2010 23:06:58	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41309	No
344	GOM_NL__2PRFIN20100123_233028_000000392086_00173_41309_1637.N1	23-JAN-2010 23:30:28	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41309	No
345	GOM_NL__2PRFIN20100123_233654_000000572086_00173_41309_1638.N1	23-JAN-2010 23:36:54	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41309	No
346	GOM_NL__2PRFIN20100123_234012_000000402086_00173_41309_1639.N1	23-JAN-2010 23:40:12	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41309	No
347	GOM_NL__2PRFIN20100123_235405_000000492086_00173_41309_1640.N1	23-JAN-2010 23:54:05	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41309	No

3. Quality information per product

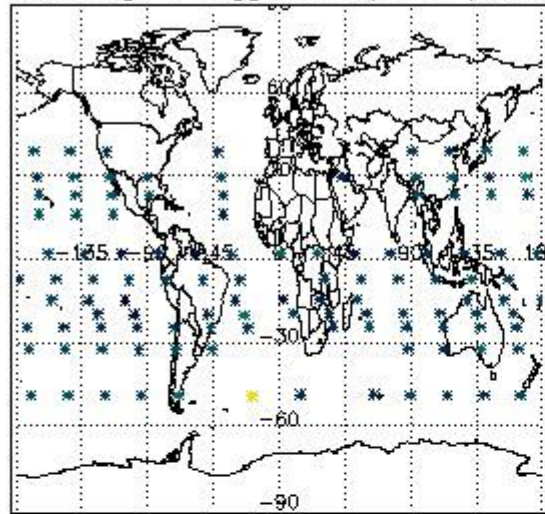
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

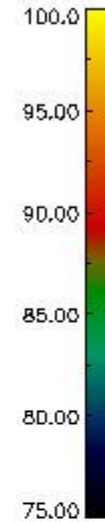
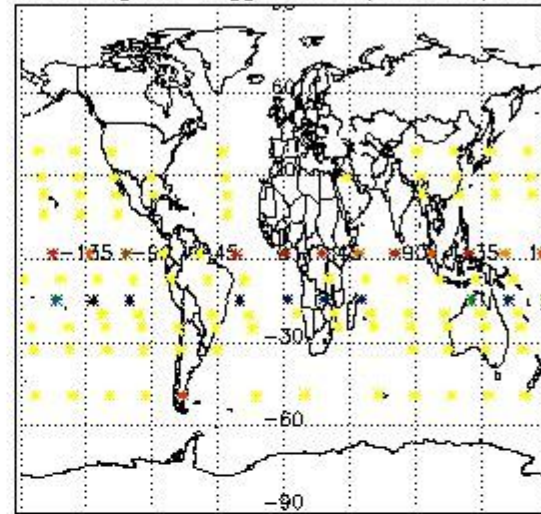


3.2 Plot quality information per product (world map)

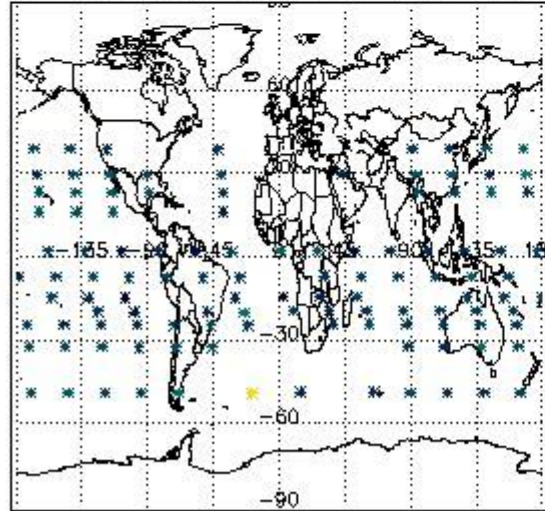
Percentage of flagged data per O3 profile



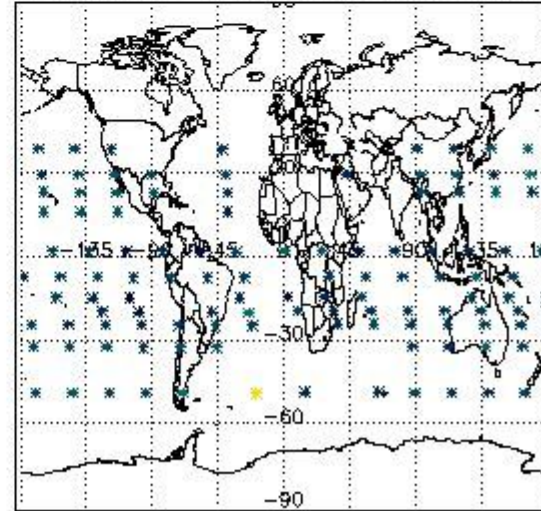
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

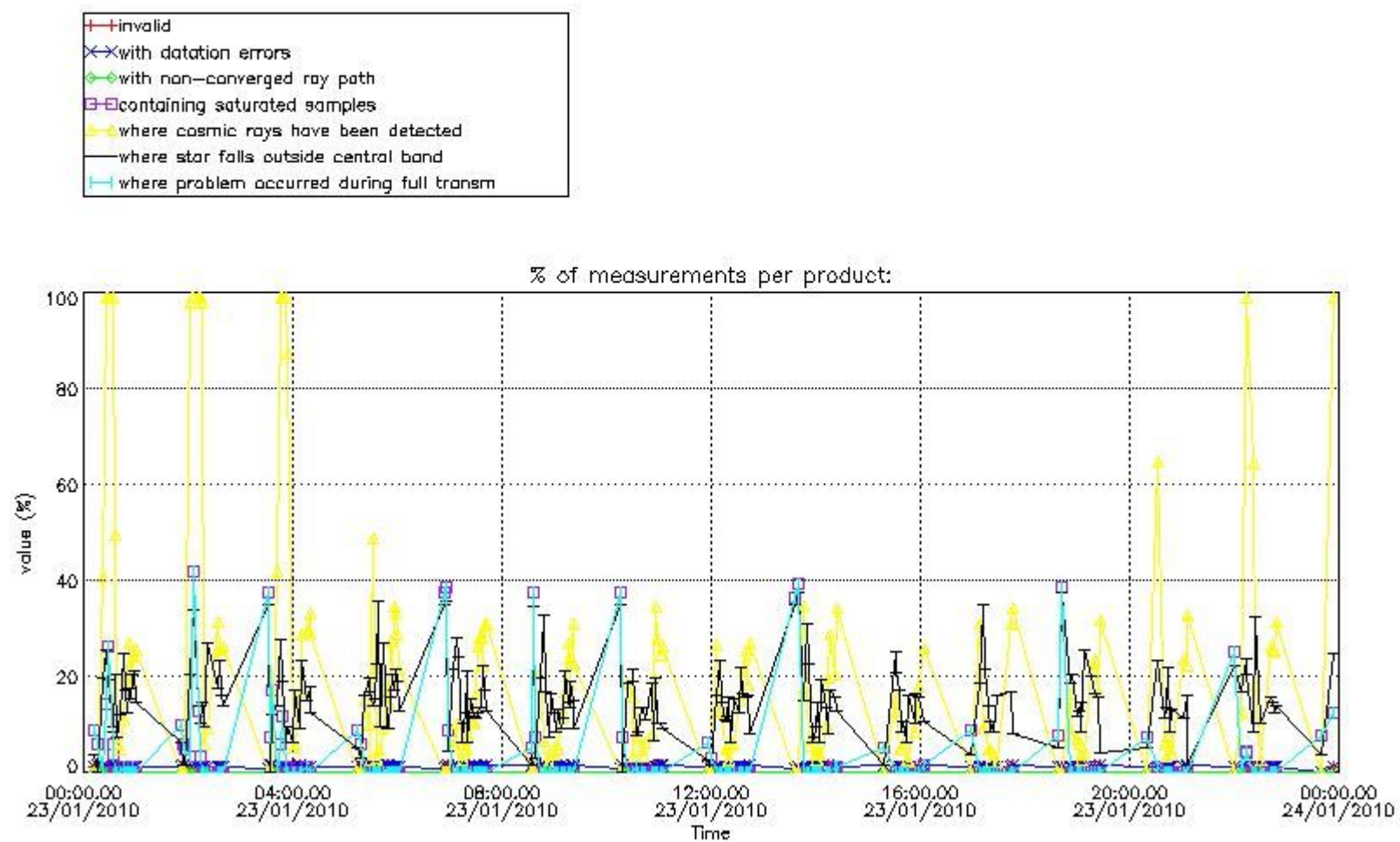


4. Level 1 quality information per product

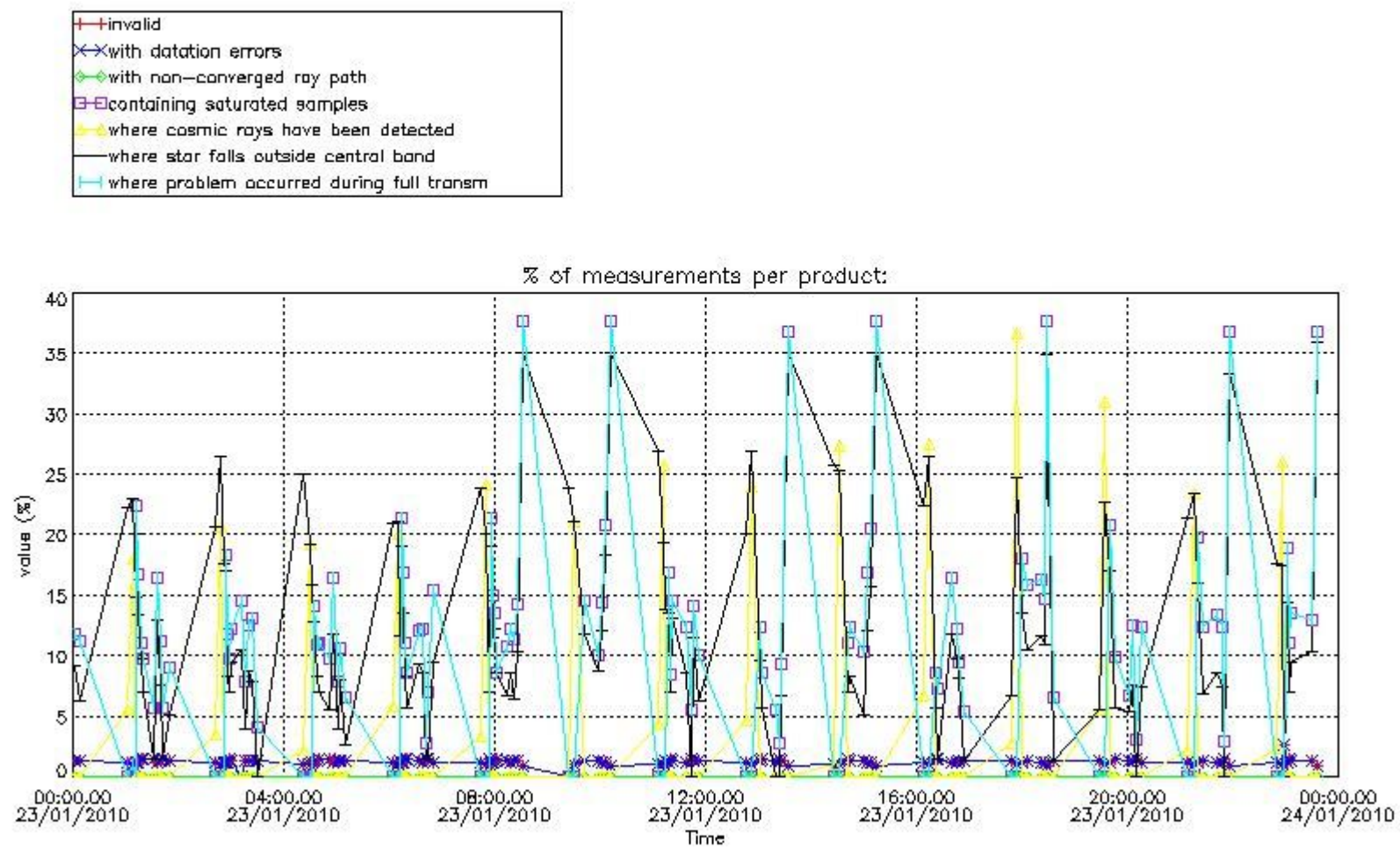
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

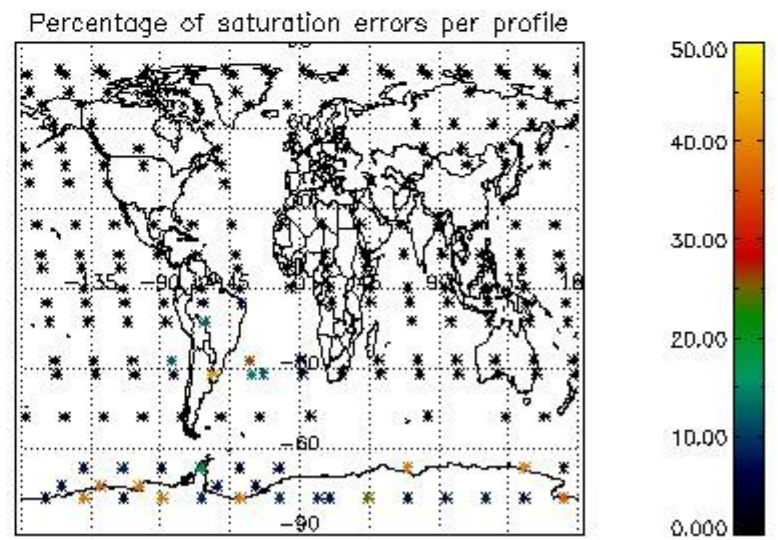
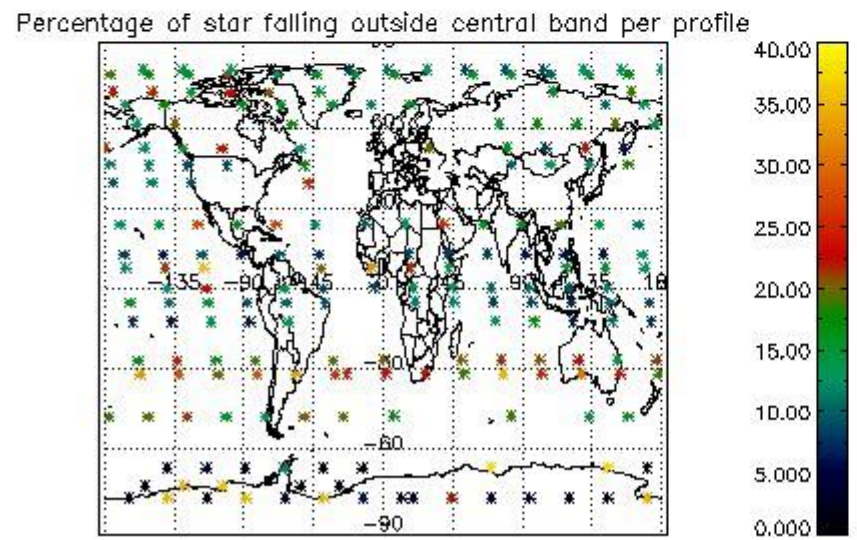
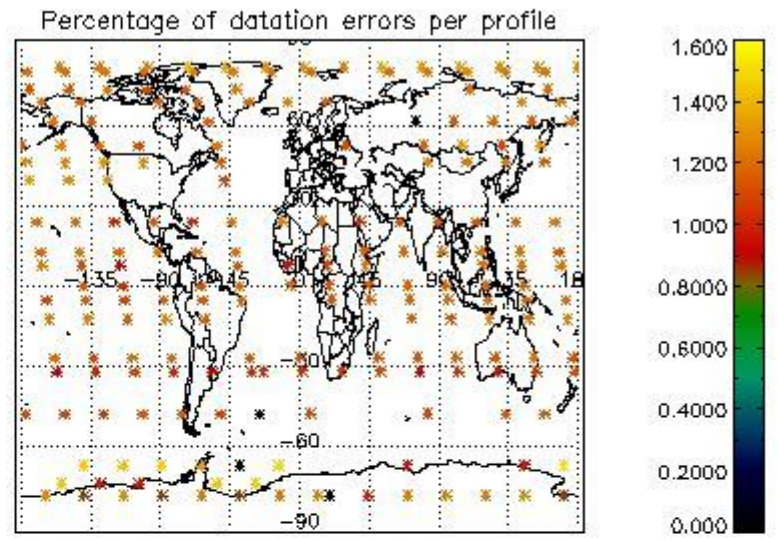
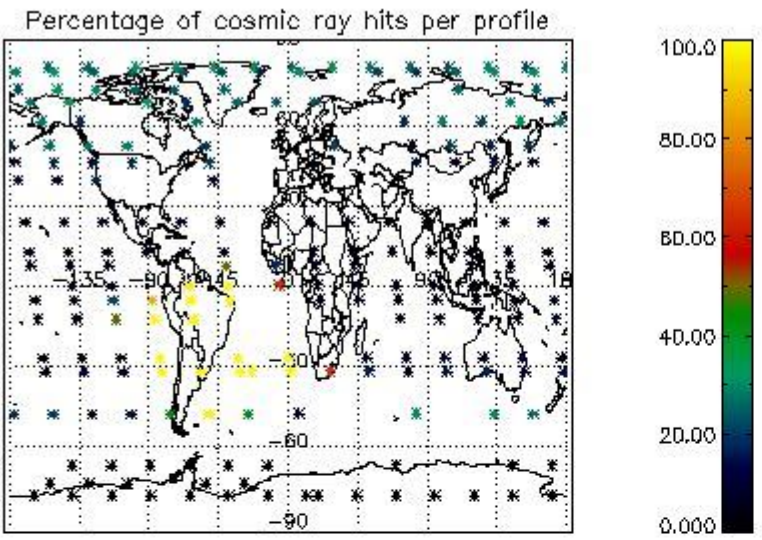


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

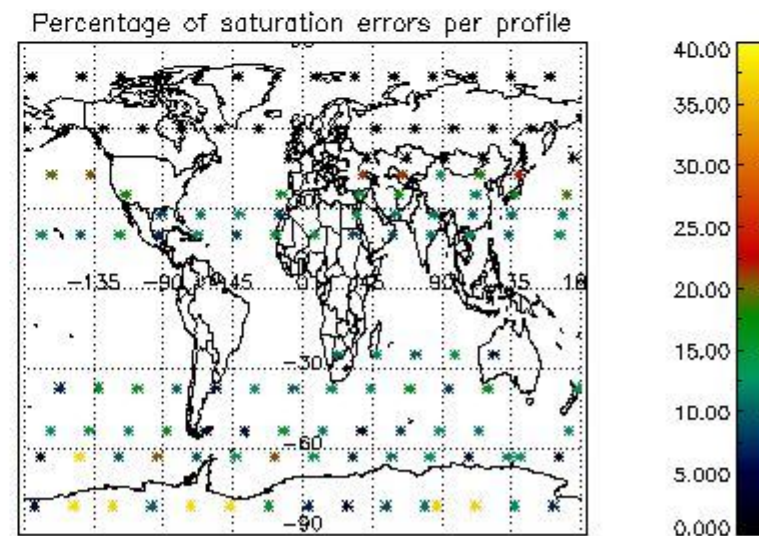
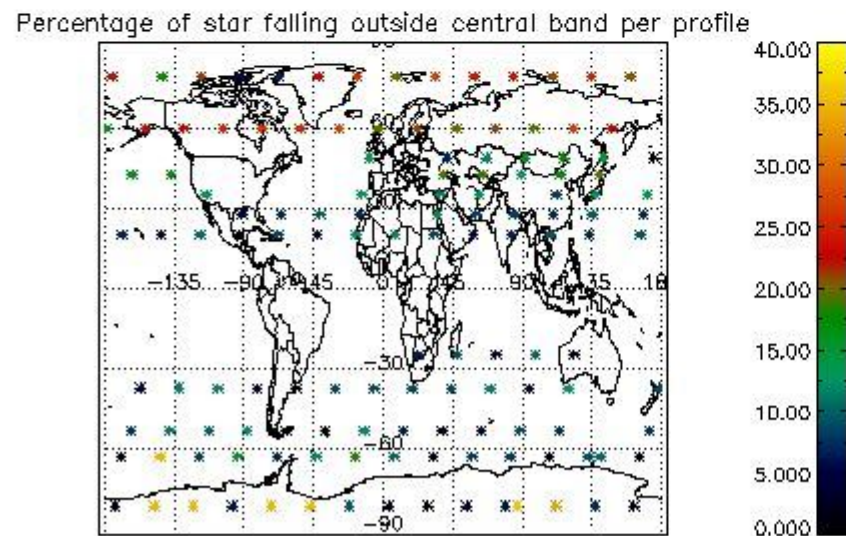
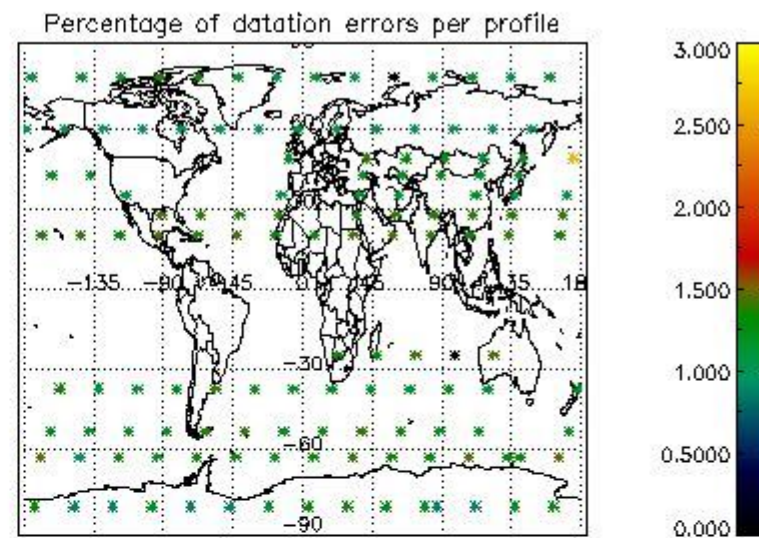
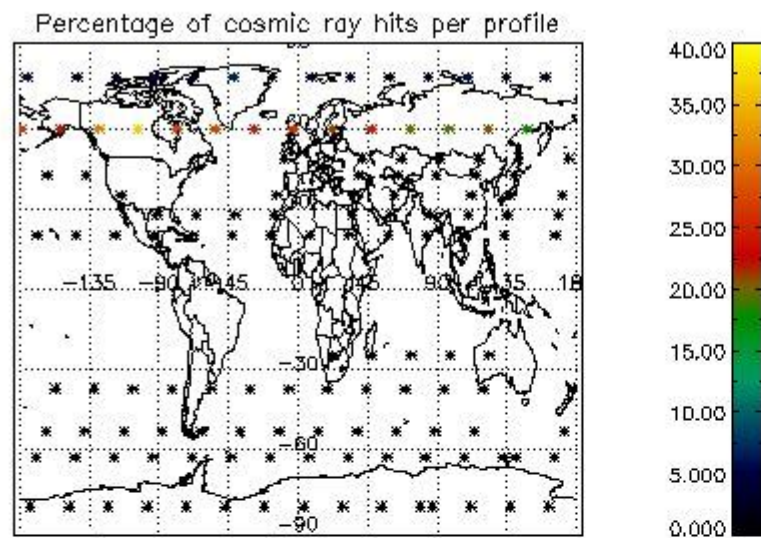


4.2 Plot quality information per product coming from level 1b processing (world map)

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

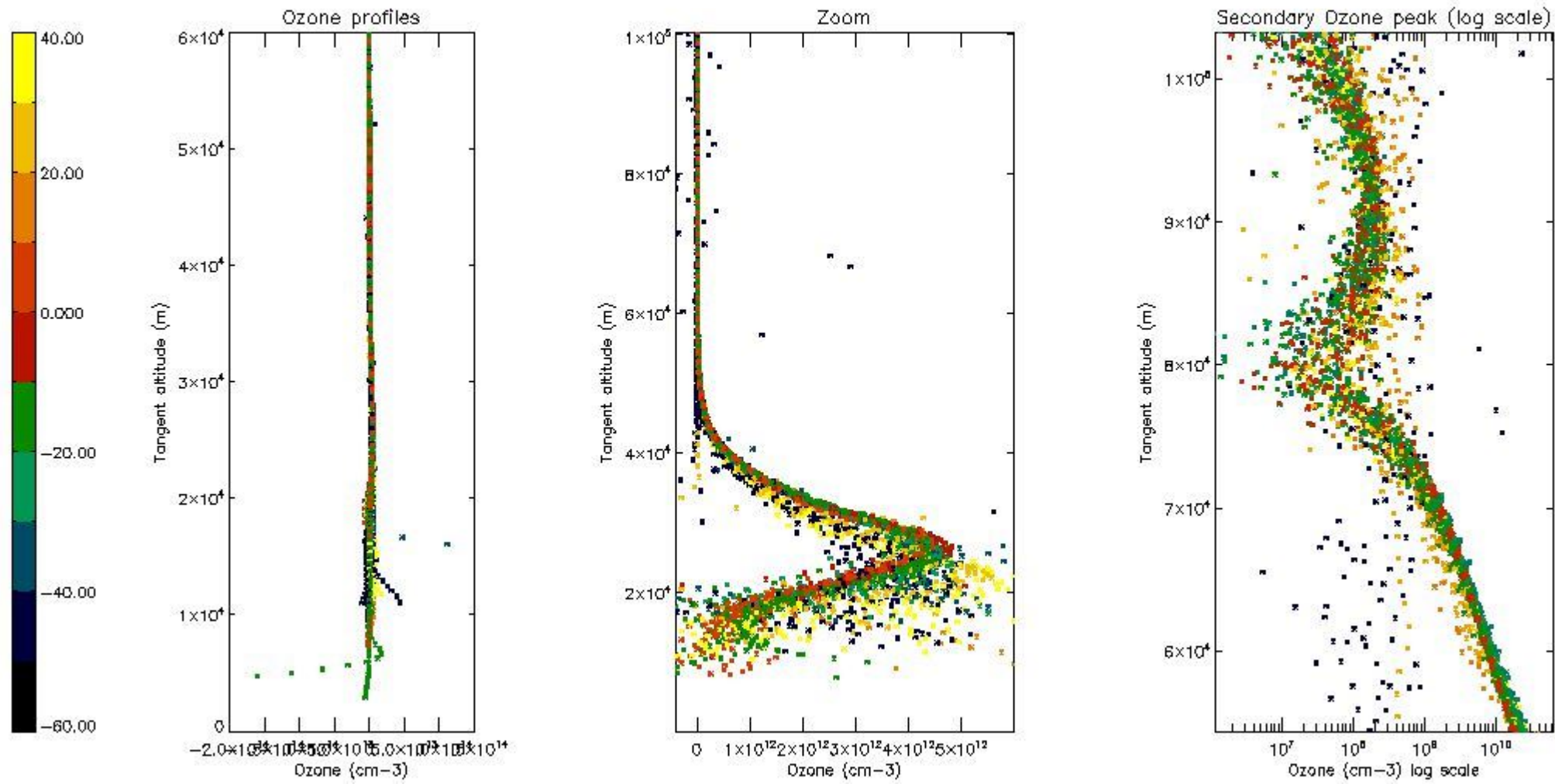
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	18

STD < 10	15
STD < 5	11

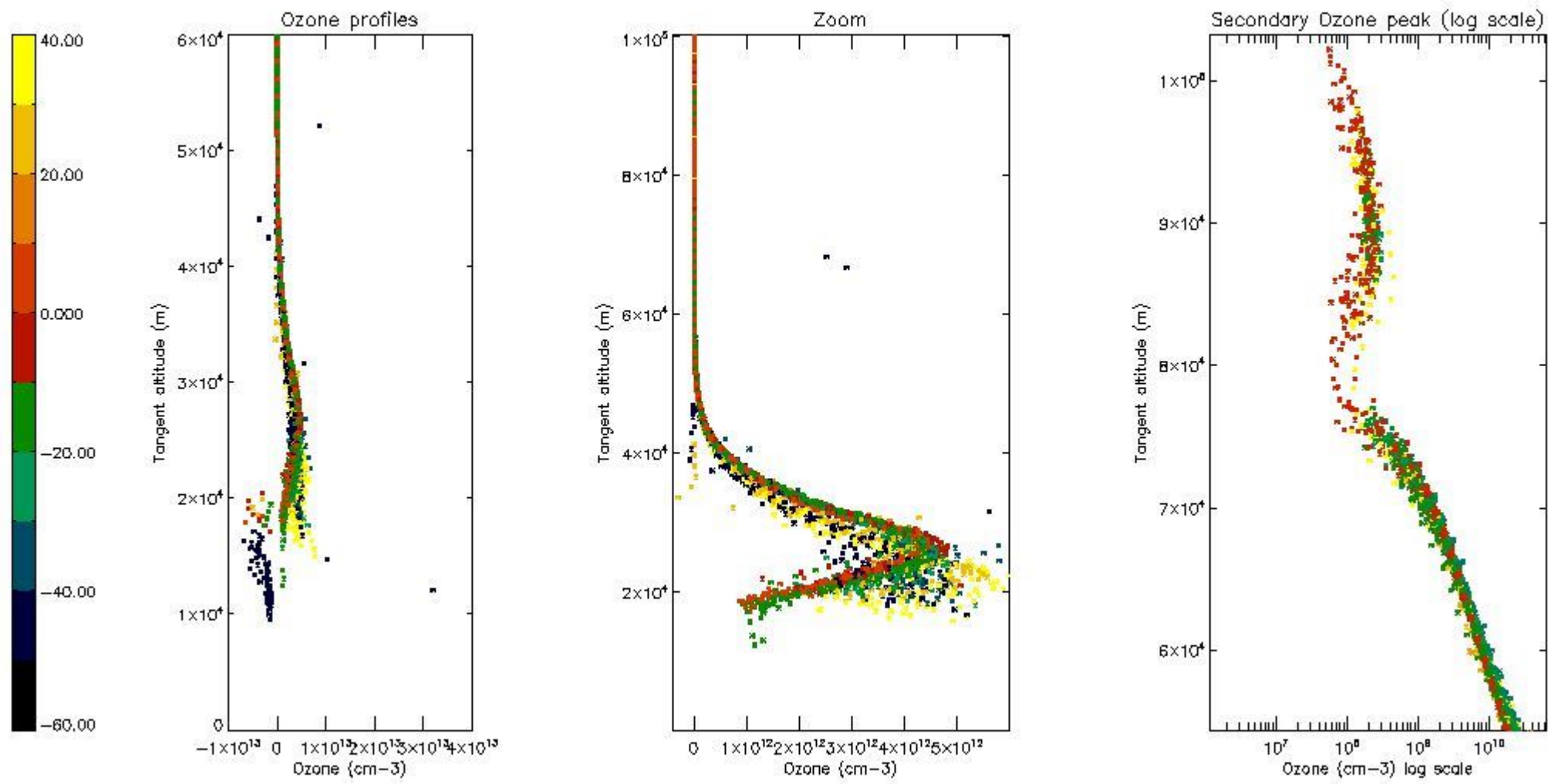
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



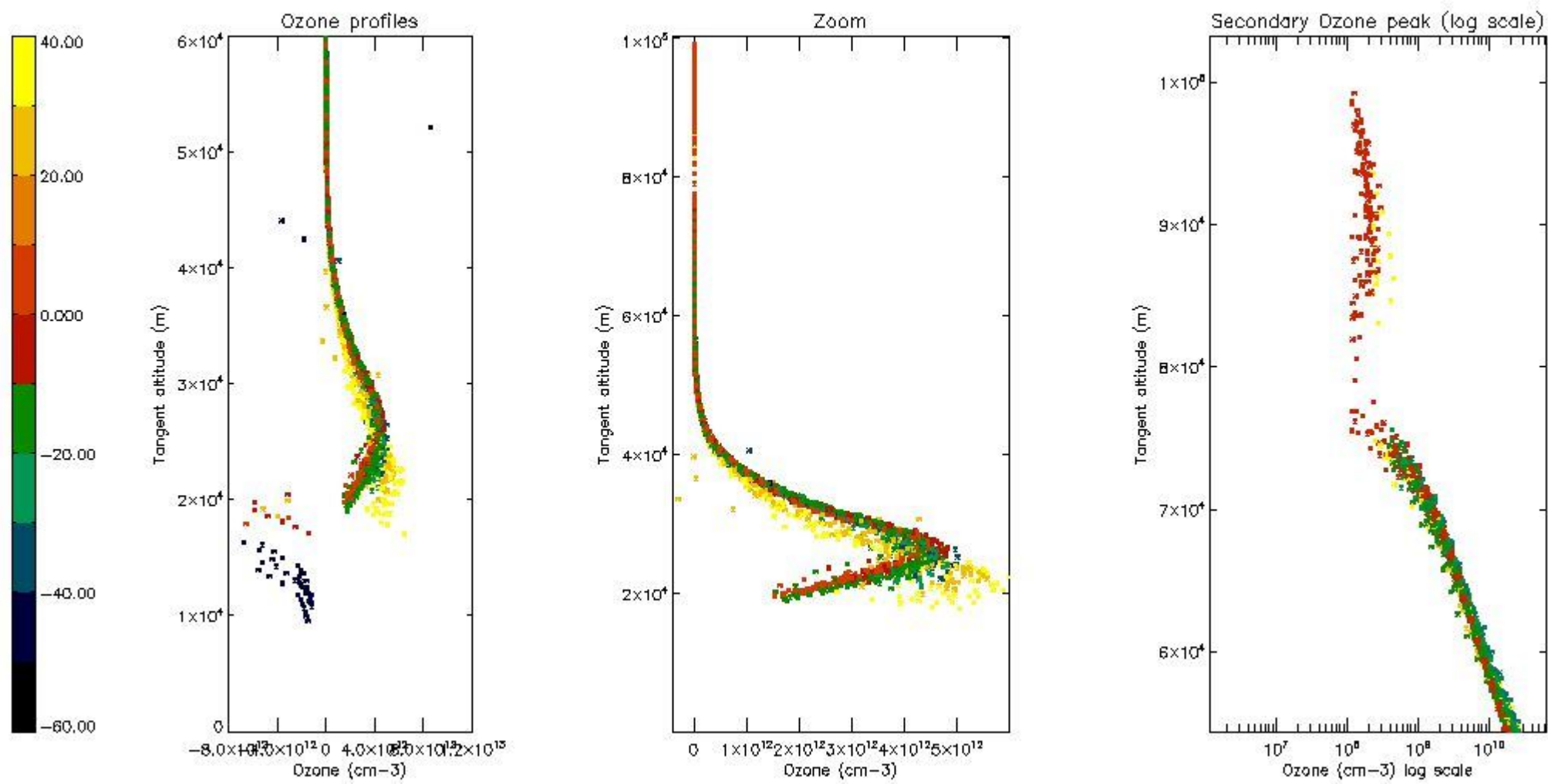
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



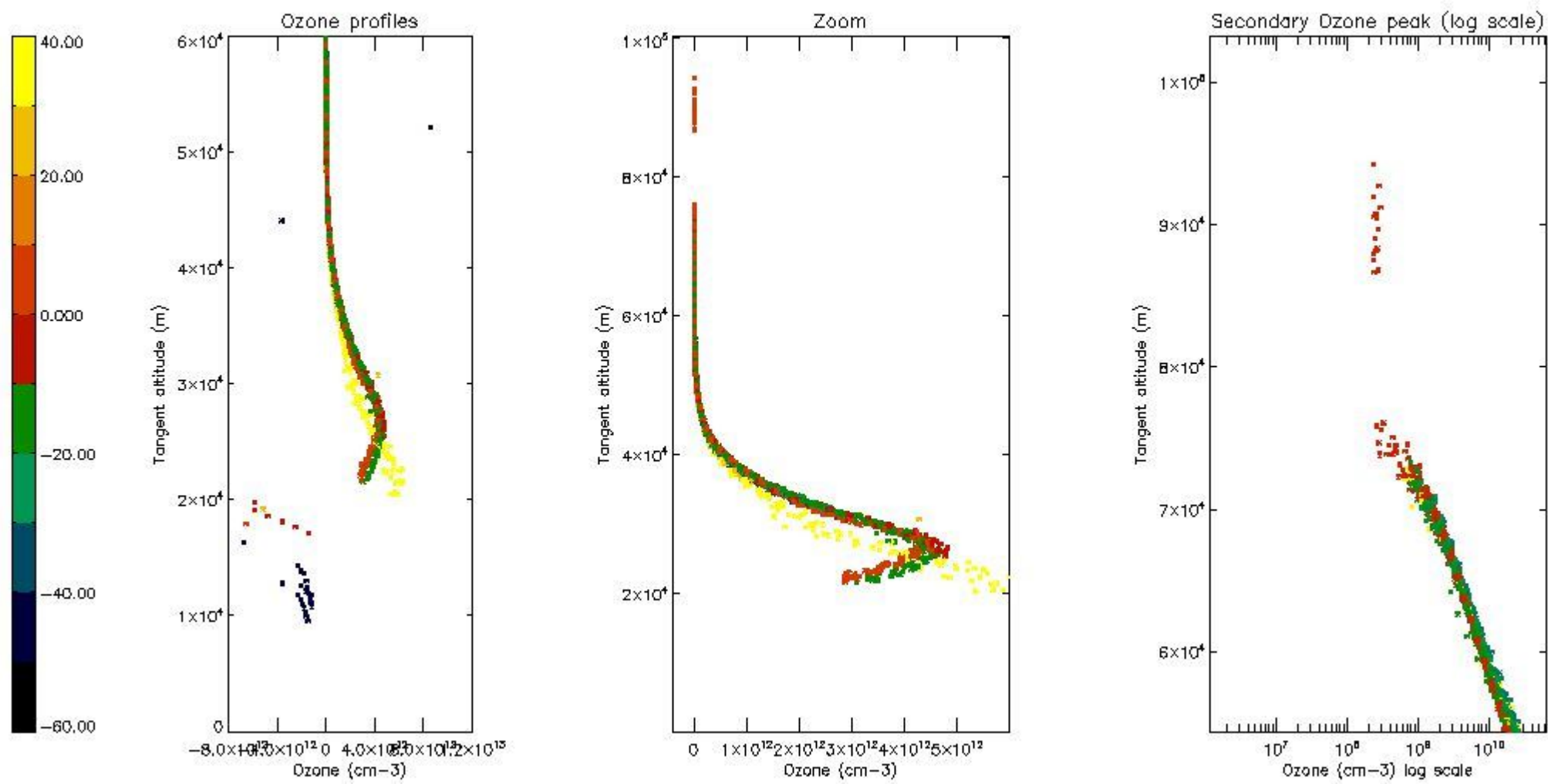
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



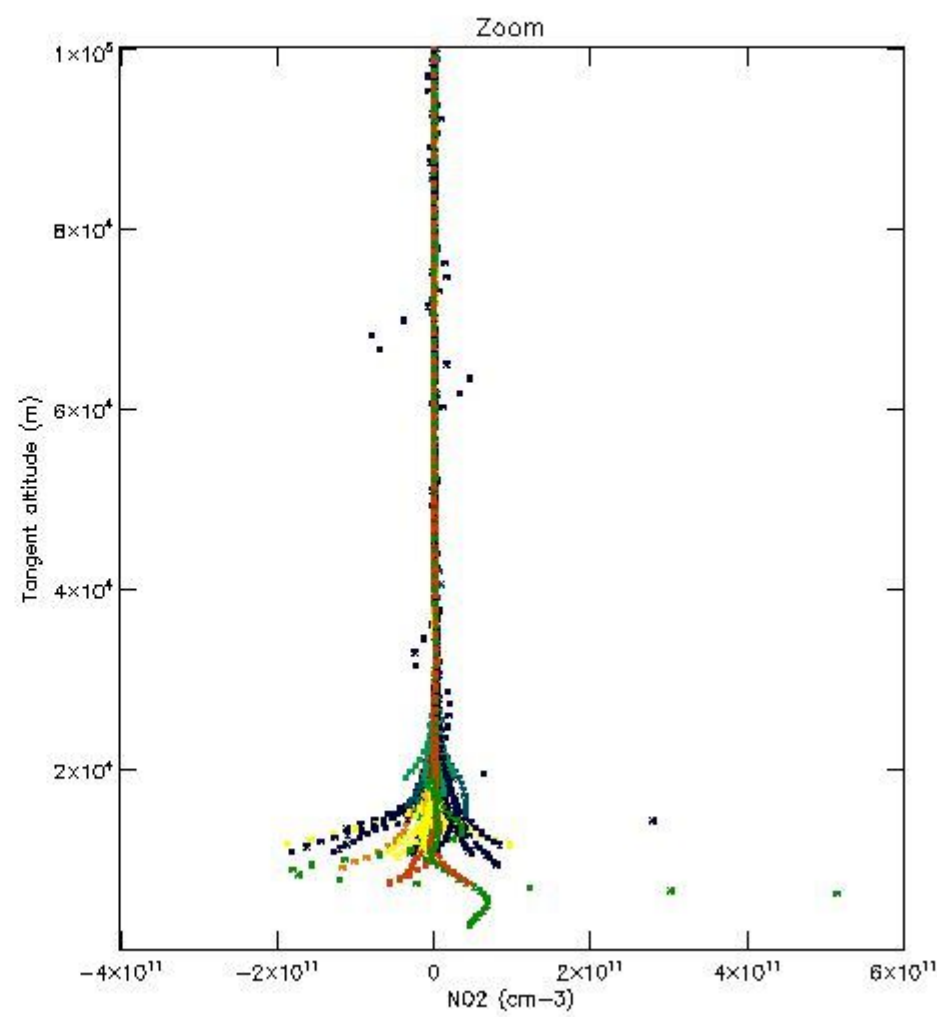
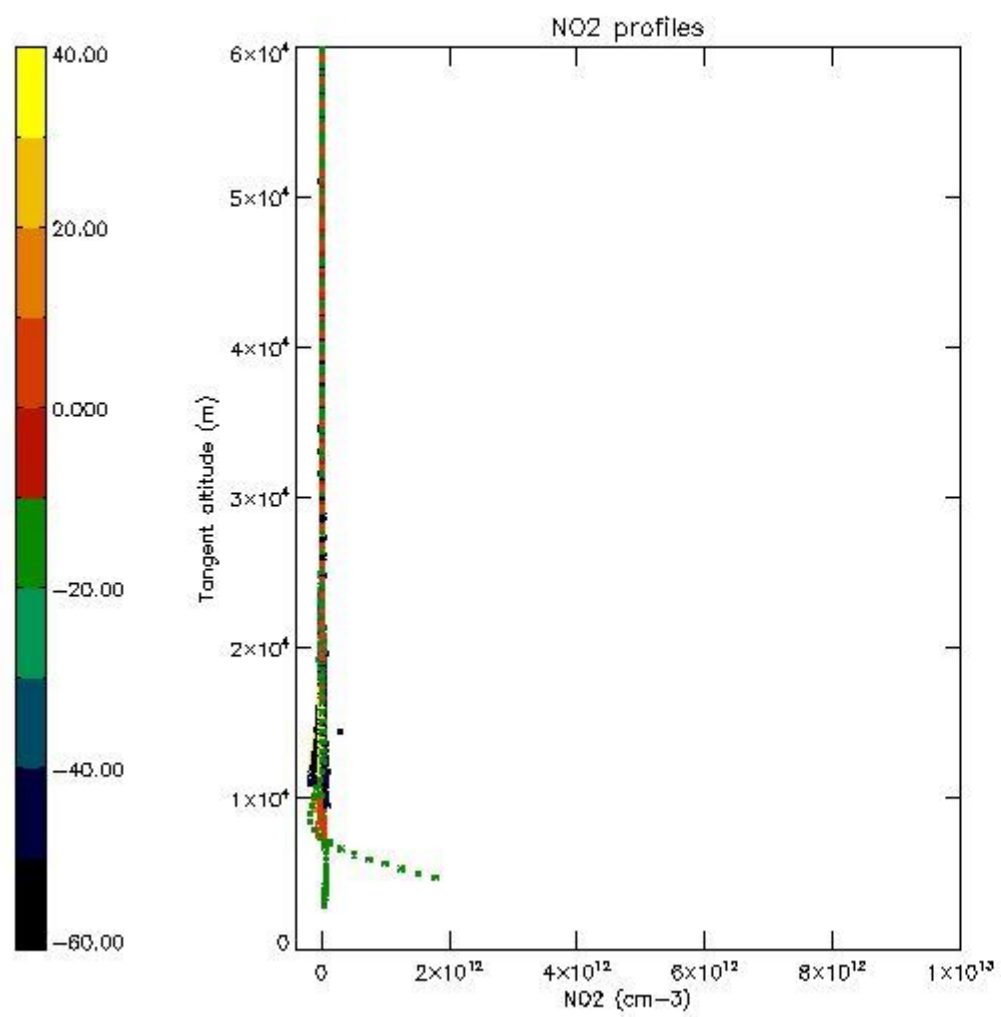
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



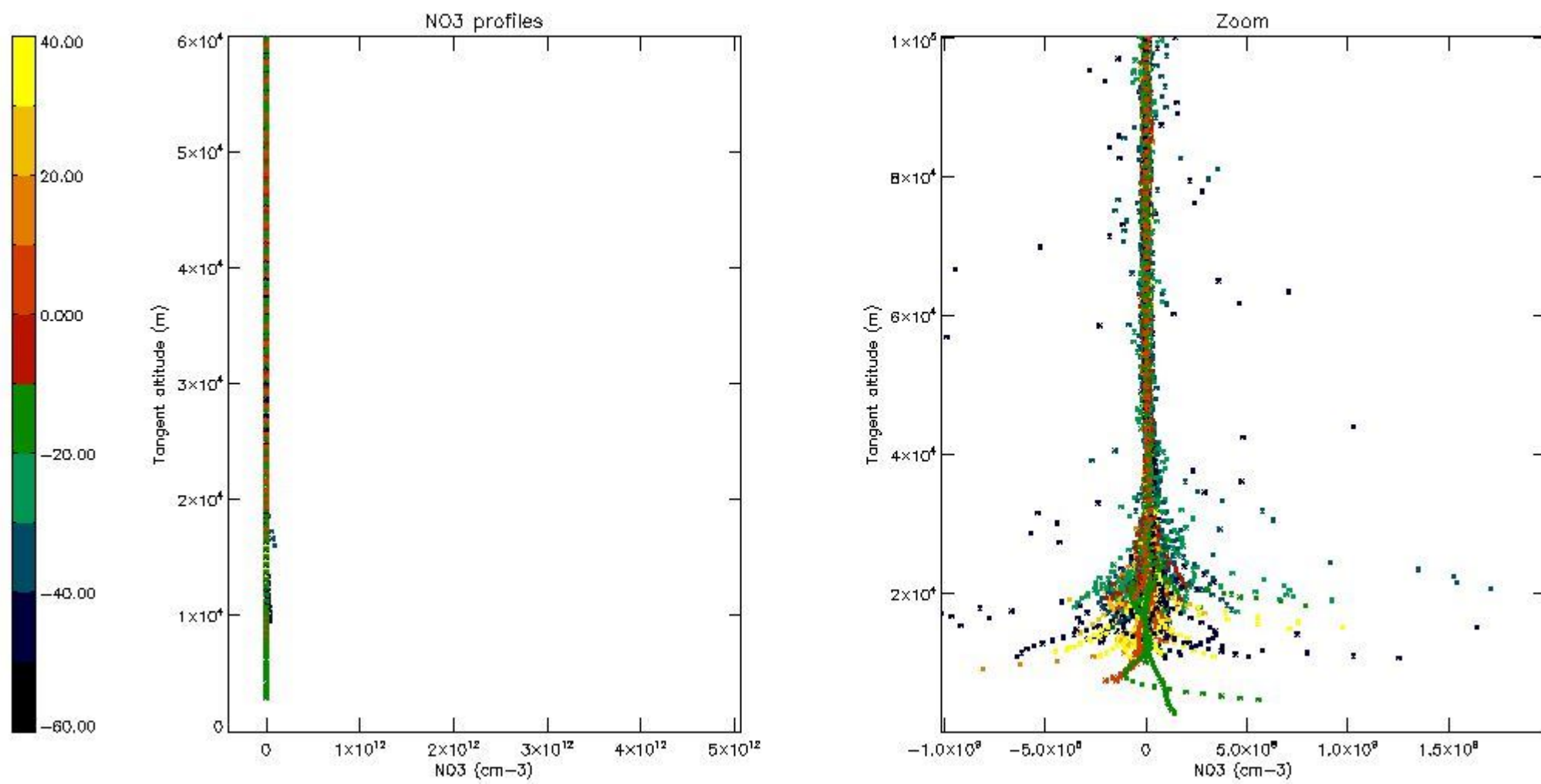
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



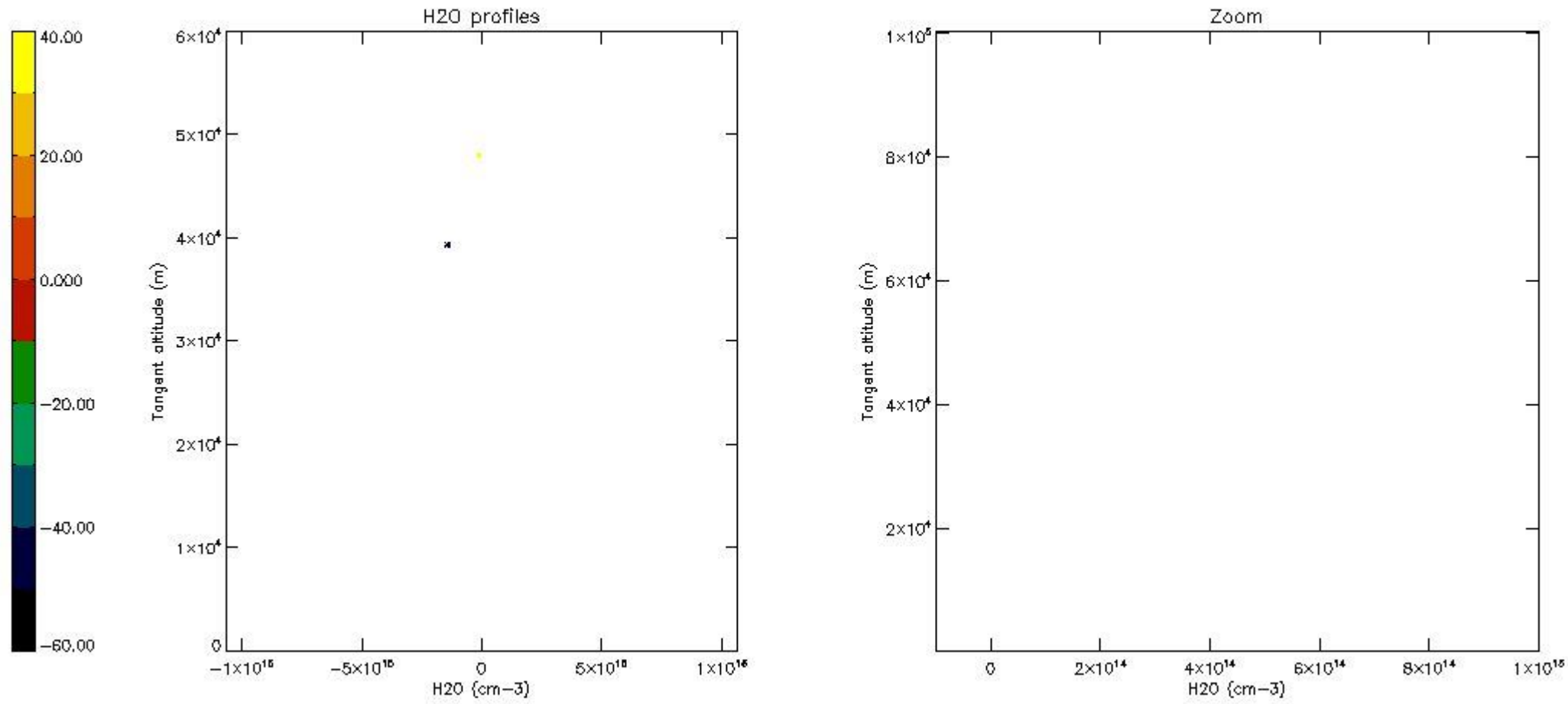
5.7 Plot NO3 profiles for all STD (dark without errors)

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	23-JAN-2010 00:02:04
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-JAN-2010 00:02:04
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-JAN-2010 00:02:04

GOMOS Level 2 Daily Report

SUMMARY

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[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

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

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

[6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 16:42:50
Data source version	GOMOS/6.01
Start time of products	23-01-2010 (23JAN2010 00:00:00)
Stop time of products	24-01-2010 (24JAN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	347
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__2PRFIN20100123_000204_000000382086_00159_41295_1498.N1	23-JAN-2010 00:02:04	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41295	No
2	GOM_NL__2PRFIN20100123_000829_000000402086_00159_41295_1499.N1	23-JAN-2010 00:08:29	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41295	No
3	GOM_NL__2PRFIN20100123_001146_000000402086_00159_41295_1500.N1	23-JAN-2010 00:11:46	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41295	No
4	GOM_NL__2PRFIN20100123_001531_000000342086_00159_41295_1501.N1	23-JAN-2010 00:15:31	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	41295	No
5	GOM_NL__2PRFIN20100123_002105_000000462086_00159_41295_1502.N1	23-JAN-2010 00:21:05	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	41295	No
6	GOM_NL__2PRFIN20100123_002535_000000492086_00159_41295_1503.N1	23-JAN-2010 00:25:35	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	41295	No
7	GOM_NL__2PRFIN20100123_002703_000000442086_00159_41295_1504.N1	23-JAN-2010 00:27:03	Dark	44.000	75	26Eps Sco	2.2910	4250.0	88	41295	No
8	GOM_NL__2PRFIN20100123_003304_000000432086_00159_41295_1505.N1	23-JAN-2010 00:33:04	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41295	No
9	GOM_NL__2PRFIN20100123_003433_000000422086_00159_41295_1506.N1	23-JAN-2010 00:34:33	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41295	No
10	GOM_NL__2PRFIN20100123_003643_000000452086_00160_41296_1487.N1	23-JAN-2010 00:36:43	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	41296	No
11	GOM_NL__2PRFIN20100123_003807_000000422086_00160_41296_1488.N1	23-JAN-2010 00:38:07	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41296	No
12	GOM_NL__2PRFIN20100123_004115_000000422086_00160_41296_1489.N1	23-JAN-2010 00:41:15	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41296	No
13	GOM_NL__2PRFIN20100123_004539_000000472086_00160_41296_1490.N1	23-JAN-2010 00:45:39	Dark	46.500	159	Ups Car	2.9200	7200.0	93	41296	No
14	GOM_NL__2PRFIN20100123_004733_000000442086_00160_41296_1491.N1	23-JAN-2010 00:47:33	Dark	43.500	71	lot Car	2.2460	7700.0	87	41296	No
15	GOM_NL__2PRFIN20100123_004922_000000412086_00160_41296_1492.N1	23-JAN-2010 00:49:22	Dark	41.000	46	Del Vel	1.9540	10600.	82	41296	No
16	GOM_NL__2PRFIN20100123_005200_000000432086_00160_41296_1493.N1	23-JAN-2010 00:52:00	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41296	No
17	GOM_NL__2PRFIN20100123_005407_000000432086_00160_41296_1494.N1	23-JAN-2010 00:54:07	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	41296	No
18	GOM_NL__2PRFIN20100123_005538_000000442086_00160_41296_1495.N1	23-JAN-2010 00:55:38	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41296	No
19	GOM_NL__2PRFIN20100123_005806_000000432086_00160_41296_1496.N1	23-JAN-2010 00:58:06	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41296	No
20	GOM_NL__2PRFIN20100123_005930_000000412086_00160_41296_1497.N1	23-JAN-2010 00:59:30	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41296	No
21	GOM_NL__2PRFIN20100123_010140_000000452086_00160_41296_1498.N1	23-JAN-2010 01:01:40	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41296	No
22	GOM_NL__2PRFIN20100123_010753_000000502086_00160_41296_1499.N1	23-JAN-2010 01:07:53	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	41296	No
23	GOM_NL__2PRFIN20100123_011103_000000412086_00160_41296_1500.N1	23-JAN-2010 01:11:03	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41296	No
24	GOM_NL__2PRFIN20100123_011249_000000432086_00160_41296_1501.N1	23-JAN-2010 01:12:49	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	41296	No
25	GOM_NL__2PRFIN20100123_011459_000000452086_00160_41296_1502.N1	23-JAN-2010 01:14:59	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41296	No
26	GOM_NL__2PRFIN20100123_011701_000000362086_00160_41296_1503.N1	23-JAN-2010 01:17:01	Bright	36.000	107	37The Aur	2.6490	11000.	72	41296	No
27	GOM_NL__2PRFIN20100123_011910_000000362086_00160_41296_1504.N1	23-JAN-2010 01:19:10	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41296	No
28	GOM_NL__2PRFIN20100123_013142_000000352086_00160_41296_1505.N1	23-JAN-2010 01:31:42	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41296	No
29	GOM_NL__2PRFIN20100123_013518_000000432086_00160_41296_1506.N1	23-JAN-2010 01:35:18	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41296	No
30	GOM_NL__2PRFIN20100123_013949_000000402086_00160_41296_1507.N1	23-JAN-2010 01:39:49	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41296	No
31	GOM_NL__2PRFIN20100123_014240_000000352086_00160_41296_1508.N1	23-JAN-2010 01:42:40	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41296	No
32	GOM_NL__2PRFIN20100123_014905_000000392086_00160_41296_1509.N1	23-JAN-2010 01:49:05	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41296	No
33	GOM_NL__2PRFIN20100123_015222_000000412086_00160_41296_1510.N1	23-JAN-2010 01:52:22	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	41296	No
34	GOM_NL__2PRFIN20100123_015400_000000342086_00160_41296_1511.N1	23-JAN-2010 01:54:00	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	41296	No
35	GOM_NL__2PRFIN20100123_015607_000000332086_00160_41296_1512.N1	23-JAN-2010 01:56:07	Bright	32.500	126	60Bet Oph	2.7700	4250.0	65	41296	No
36	GOM_NL__2PRFIN20100123_020141_000000472086_00160_41296_1513.N1	23-JAN-2010 02:01:41	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	41296	No
37	GOM_NL__2PRFIN20100123_020611_000000552086_00160_41296_1514.N1	23-JAN-2010 02:06:11	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	41296	No
38	GOM_NL__2PRFIN20100123_021142_000000432086_00160_41296_1515.N1	23-JAN-2010 02:11:42	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41296	No
39	GOM_NL__2PRFIN20100123_021341_000000442086_00160_41296_1516.N1	23-JAN-2010 02:13:41	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41296	No
40	GOM_NL__2PRFIN20100123_021510_000000452086_00160_41296_1517.N1	23-JAN-2010 02:15:10	Dark	45.000	78	Alp Lup	2.3040	28000.	90	41296	No
41	GOM_NL__2PRFIN20100123_021844_000000432086_00161_41297_1495.N1	23-JAN-2010 02:18:44	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41297	No
42	GOM_NL__2PRFIN20100123_022152_000000502086_00161_41297_1496.N1	23-JAN-2010 02:21:52	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	41297	No

161	GOM_NL__2PRFIN20100123_091224_000000452086_00165_41301_1532.N1	23-JAN-2010 09:12:24	Dark	45.000	46	Del Vel	1.9540	10600.	90	41301	No
162	GOM_NL__2PRFIN20100123_091501_000000412086_00165_41301_1533.N1	23-JAN-2010 09:15:01	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	41301	No
163	GOM_NL__2PRFIN20100123_091708_000000412086_00165_41301_1534.N1	23-JAN-2010 09:17:08	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41301	No
164	GOM_NL__2PRFIN20100123_091839_000000422086_00165_41301_1535.N1	23-JAN-2010 09:18:39	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41301	No
165	GOM_NL__2PRFIN20100123_092107_000000412086_00165_41301_1536.N1	23-JAN-2010 09:21:07	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41301	No
166	GOM_NL__2PRFIN20100123_092231_000000382086_00165_41301_1537.N1	23-JAN-2010 09:22:31	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41301	No
167	GOM_NL__2PRFIN20100123_092441_000000442086_00165_41301_1538.N1	23-JAN-2010 09:24:41	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	41301	No
168	GOM_NL__2PRFIN20100123_093053_000000482086_00165_41301_1539.N1	23-JAN-2010 09:30:53	Tw_i_and_stray	47.500	8	10Alp CMi	0.40000	6500.0	95	41301	No
169	GOM_NL__2PRFIN20100123_094210_000000382086_00165_41301_1540.N1	23-JAN-2010 09:42:10	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41301	No
170	GOM_NL__2PRFIN20100123_095817_000000402086_00165_41301_1541.N1	23-JAN-2010 09:58:17	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41301	No
171	GOM_NL__2PRFIN20100123_100249_000000422086_00165_41301_1542.N1	23-JAN-2010 10:02:49	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41301	No
172	GOM_NL__2PRFIN20100123_100540_000000412086_00165_41301_1543.N1	23-JAN-2010 10:05:40	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41301	No
173	GOM_NL__2PRFIN20100123_101205_000000572086_00165_41301_1544.N1	23-JAN-2010 10:12:05	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41301	No
174	GOM_NL__2PRFIN20100123_101523_000000592086_00165_41301_1545.N1	23-JAN-2010 10:15:23	Bright	59.000	127	27Bet Her	2.7810	4700.0	118	41301	No
175	GOM_NL__2PRFIN20100123_101701_000000352086_00165_41301_1546.N1	23-JAN-2010 10:17:01	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	41301	No
176	GOM_NL__2PRFIN20100123_102443_000000462086_00165_41301_1547.N1	23-JAN-2010 10:24:43	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	41301	No
177	GOM_NL__2PRFIN20100123_102913_000000452086_00165_41301_1548.N1	23-JAN-2010 10:29:13	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	41301	No
178	GOM_NL__2PRFIN20100123_103041_000000452086_00165_41301_1549.N1	23-JAN-2010 10:30:41	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41301	No
179	GOM_NL__2PRFIN20100123_103445_000000402086_00165_41301_1550.N1	23-JAN-2010 10:34:45	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41301	No
180	GOM_NL__2PRFIN20100123_103645_000000422086_00165_41301_1551.N1	23-JAN-2010 10:36:45	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41301	No
181	GOM_NL__2PRFIN20100123_104022_000000412086_00166_41302_1535.N1	23-JAN-2010 10:40:22	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41302	No
182	GOM_NL__2PRFIN20100123_104147_000000452086_00166_41302_1536.N1	23-JAN-2010 10:41:47	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41302	No
183	GOM_NL__2PRFIN20100123_104454_000000412086_00166_41302_1537.N1	23-JAN-2010 10:44:54	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41302	No
184	GOM_NL__2PRFIN20100123_105111_000000442086_00166_41302_1538.N1	23-JAN-2010 10:51:11	Dark	43.500	71	lot Car	2.2460	7700.0	87	41302	No
185	GOM_NL__2PRFIN20100123_105300_000000382086_00166_41302_1539.N1	23-JAN-2010 10:53:00	Dark	38.000	46	Del Vel	1.9540	10600.	76	41302	No
186	GOM_NL__2PRFIN20100123_105538_000000442086_00166_41302_1540.N1	23-JAN-2010 10:55:38	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41302	No
187	GOM_NL__2PRFIN20100123_105744_000000402086_00166_41302_1541.N1	23-JAN-2010 10:57:44	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	41302	No
188	GOM_NL__2PRFIN20100123_110144_000000392086_00166_41302_1542.N1	23-JAN-2010 11:01:44	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	41302	No
189	GOM_NL__2PRFIN20100123_110307_000000382086_00166_41302_1543.N1	23-JAN-2010 11:03:07	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41302	No
190	GOM_NL__2PRFIN20100123_110517_000000472086_00166_41302_1544.N1	23-JAN-2010 11:05:17	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41302	No
191	GOM_NL__2PRFIN20100123_111128_000000472086_00166_41302_1545.N1	23-JAN-2010 11:11:28	Tw_i_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41302	No
192	GOM_NL__2PRFIN20100123_111438_000000402086_00166_41302_1546.N1	23-JAN-2010 11:14:38	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41302	No
193	GOM_NL__2PRFIN20100123_111833_000000452086_00166_41302_1547.N1	23-JAN-2010 11:18:33	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	41302	No
194	GOM_NL__2PRFIN20100123_112038_000000362086_00166_41302_1548.N1	23-JAN-2010 11:20:38	Bright	35.500	107	37The Aur	2.6490	11000.	71	41302	No
195	GOM_NL__2PRFIN20100123_112246_000000382086_00166_41302_1549.N1	23-JAN-2010 11:22:46	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41302	No
196	GOM_NL__2PRFIN20100123_113853_000000412086_00166_41302_1550.N1	23-JAN-2010 11:38:53	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41302	No
197	GOM_NL__2PRFIN20100123_114325_000000362086_00166_41302_1551.N1	23-JAN-2010 11:43:25	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	41302	No
198	GOM_NL__2PRFIN20100123_114616_000000392086_00166_41302_1552.N1	23-JAN-2010 11:46:16	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41302	No
199	GOM_NL__2PRFIN20100123_115241_000000402086_00166_41302_1553.N1	23-JAN-2010 11:52:41	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41302	No
200	GOM_NL__2PRFIN20100123_115559_000000402086_00166_41302_1554.N1	23-JAN-2010 11:55:59	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	41302	No
201	GOM_NL__2PRFIN20100123_115944_000000332086_00166_41302_1555.N1	23-JAN-2010 11:59:44	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	41302	No
202	GOM_NL__2PRFIN20100123_120520_000000442086_00166_41302_1556.N1	23-JAN-2010 12:05:20	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	41302	No
203	GOM_NL__2PRFIN20100123_120950_000000482086_00166_41302_1557.N1	23-JAN-2010 12:09:50	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	41302	No
204	GOM_NL__2PRFIN20100123_121118_000000412086_00166_41302_1558.N1	23-JAN-2010 12:11:18	Dark	41.000	75	26Eps Sco	2.2910	4250.0	82	41302	No
205	GOM_NL__2PRFIN20100123_121522_000000422086_00166_41302_1559.N1	23-JAN-2010 12:15:22	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41302	No
206	GOM_NL__2PRFIN20100123_121721_000000432086_00166_41302_1560.N1	23-JAN-2010 12:17:21	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41302	No
207	GOM_NL__2PRFIN20100123_121850_000000432086_00166_41302_1563.N1	23-JAN-2010 12:18:50	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41302	No
208	GOM_NL__2PRFIN20100123_122059_000000422086_00167_41303_1564.N1	23-JAN-2010 12:20:59	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41303	No
209	GOM_NL__2PRFIN20100123_122224_000000412086_00167_41303_1565.N1	23-JAN-2010 12:22:24	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41303	No
210	GOM_NL__2PRFIN20100123_122531_000000432086_00167_41303_1566.N1	23-JAN-2010 12:25:31	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	41303	No
211	GOM_NL__2PRFIN20100123_123147_000000412086_00167_41303_1567.N1	23-JAN-2010 12:31:47	Dark	40.500	71	lot Car	2.2460	7700.0	81	41303	No
212	GOM_NL__2PRFIN20100123_123336_000000462086_00167_41303_1568.N1	23-JAN-2010 12:33:36	Dark	45.500	46	Del Vel	1.9540	10600.	91	41303	No
213	GOM_NL__2PRFIN20100123_123613_000000432086_00167_41303_1569.N1	23-JAN-2010 12:36:13	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41303	No
214	GOM_NL__2PRFIN20100123_123951_000000422086_00167_41303_1570.N1	23-JAN-2010 12:39:51	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	41303	No
215	GOM_NL__2PRFIN20100123_124219_000000412086_00167_41303_1571.N1	23-JAN-2010 12:42:19	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	41303	No
216	GOM_NL__2PRFIN20100123_124343_000000372086_00167_41303_1572.N1	23-JAN-2010 12:43:43	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	41303	No
217	GOM_NL__2PRFIN20100123_124553_000000432086_00167_41303_1573.N1	23-JAN-2010 12:45:53	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41303	No
218	GOM_NL__2PRFIN20100123_125204_000000522086_00167_41303_1574.N1	23-JAN-2010 12:52:04	Tw_i_and_stray	52.000	8	10Alp CMi	0.40000	6500.0	104	41303	No
219	GOM_NL__2PRFIN20100123_130114_000000372086_00167_41303_1575.N1	23-JAN-2010 13:01:14	Bright	36.500	107	37The Aur	2.6490	11000.	73	41303	No

220	GOM_NL__2PRFIN20100123_130322_000000352086_00167_41303_1576.N1	23-JAN-2010 13:03:22	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41303	No
221	GOM_NL__2PRFIN20100123_131928_000000372086_00167_41303_1577.N1	23-JAN-2010 13:19:28	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41303	No
222	GOM_NL__2PRFIN20100123_132401_000000362086_00167_41303_1578.N1	23-JAN-2010 13:24:01	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	41303	No
223	GOM_NL__2PRFIN20100123_132652_000000382086_00167_41303_1579.N1	23-JAN-2010 13:26:52	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41303	No
224	GOM_NL__2PRFIN20100123_133317_000000572086_00167_41303_1580.N1	23-JAN-2010 13:33:17	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41303	No
225	GOM_NL__2PRFIN20100123_133635_000000592086_00167_41303_1581.N1	23-JAN-2010 13:36:35	Bright	59.000	127	27Bet Her	2.7810	4700.0	118	41303	No
226	GOM_NL__2PRFIN20100123_134020_000000522086_00167_41303_1582.N1	23-JAN-2010 13:40:20	Bright	52.000	126	60Bet Oph	2.7700	4250.0	104	41303	No
227	GOM_NL__2PRFIN20100123_134556_000000442086_00167_41303_1583.N1	23-JAN-2010 13:45:56	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	41303	No
228	GOM_NL__2PRFIN20100123_135026_000000522086_00167_41303_1584.N1	23-JAN-2010 13:50:26	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	41303	No
229	GOM_NL__2PRFIN20100123_135154_000000452086_00167_41303_1585.N1	23-JAN-2010 13:51:54	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41303	No
230	GOM_NL__2PRFIN20100123_135558_000000402086_00167_41303_1586.N1	23-JAN-2010 13:55:58	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41303	No
231	GOM_NL__2PRFIN20100123_135758_000000422086_00167_41303_1587.N1	23-JAN-2010 13:57:58	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41303	No
232	GOM_NL__2PRFIN20100123_135927_000000422086_00167_41303_1574.N1	23-JAN-2010 13:59:27	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41303	No
233	GOM_NL__2PRFIN20100123_140135_000000422086_00168_41304_1575.N1	23-JAN-2010 14:01:35	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41304	No
234	GOM_NL__2PRFIN20100123_140301_000000412086_00168_41304_1576.N1	23-JAN-2010 14:03:01	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41304	No
235	GOM_NL__2PRFIN20100123_140607_000000452086_00168_41304_1577.N1	23-JAN-2010 14:06:07	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41304	No
236	GOM_NL__2PRFIN20100123_141224_000000412086_00168_41304_1578.N1	23-JAN-2010 14:12:24	Dark	41.000	71	lot Car	2.2460	7700.0	82	41304	No
237	GOM_NL__2PRFIN20100123_141413_000000382086_00168_41304_1579.N1	23-JAN-2010 14:14:13	Dark	38.000	46	Del Vel	1.9540	10600.	76	41304	No
238	GOM_NL__2PRFIN20100123_141650_000000442086_00168_41304_1580.N1	23-JAN-2010 14:16:50	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41304	No
239	GOM_NL__2PRFIN20100123_142256_000000422086_00168_41304_1581.N1	23-JAN-2010 14:22:56	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41304	No
240	GOM_NL__2PRFIN20100123_142419_000000402086_00168_41304_1582.N1	23-JAN-2010 14:24:19	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41304	No
241	GOM_NL__2PRFIN20100123_142629_000000472086_00168_41304_1583.N1	23-JAN-2010 14:26:29	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41304	No
242	GOM_NL__2PRFIN20100123_143240_000000502086_00168_41304_1584.N1	23-JAN-2010 14:32:40	Twi_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	41304	No
243	GOM_NL__2PRFIN20100123_144150_000000362086_00168_41304_1585.N1	23-JAN-2010 14:41:50	Bright	36.000	107	37The Aur	2.6490	11000.	72	41304	No
244	GOM_NL__2PRFIN20100123_144358_000000372086_00168_41304_1586.N1	23-JAN-2010 14:43:58	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41304	No
245	GOM_NL__2PRFIN20100123_150004_000000392086_00168_41304_1587.N1	23-JAN-2010 15:00:04	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41304	No
246	GOM_NL__2PRFIN20100123_150436_000000422086_00168_41304_1588.N1	23-JAN-2010 15:04:36	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41304	No
247	GOM_NL__2PRFIN20100123_150728_000000422086_00168_41304_1589.N1	23-JAN-2010 15:07:28	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	41304	No
248	GOM_NL__2PRFIN20100123_151353_000000572086_00168_41304_1590.N1	23-JAN-2010 15:13:53	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41304	No
249	GOM_NL__2PRFIN20100123_151712_000000392086_00168_41304_1591.N1	23-JAN-2010 15:17:12	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	41304	No
250	GOM_NL__2PRFIN20100123_153103_000000482086_00168_41304_1592.N1	23-JAN-2010 15:31:03	Twilight	48.000	16	21Alp Sco	1.0200	3000.0	96	41304	No
251	GOM_NL__2PRFIN20100123_153230_000000442086_00168_41304_1593.N1	23-JAN-2010 15:32:30	Dark	43.500	75	26Eps Sco	2.2910	4250.0	87	41304	No
252	GOM_NL__2PRFIN20100123_153635_000000442086_00168_41304_1594.N1	23-JAN-2010 15:36:35	Dark	44.000	131	Gam Lup	2.8000	26000.	88	41304	No
253	GOM_NL__2PRFIN20100123_153834_000000432086_00168_41304_1595.N1	23-JAN-2010 15:38:34	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41304	No
254	GOM_NL__2PRFIN20100123_154004_000000432086_00168_41304_1588.N1	23-JAN-2010 15:40:04	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41304	No
255	GOM_NL__2PRFIN20100123_154337_000000412086_00169_41305_1589.N1	23-JAN-2010 15:43:37	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41305	No
256	GOM_NL__2PRFIN20100123_154644_000000442086_00169_41305_1590.N1	23-JAN-2010 15:46:44	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41305	No
257	GOM_NL__2PRFIN20100123_155300_000000402086_00169_41305_1591.N1	23-JAN-2010 15:53:00	Dark	39.500	71	lot Car	2.2460	7700.0	79	41305	No
258	GOM_NL__2PRFIN20100123_155449_000000432086_00169_41305_1592.N1	23-JAN-2010 15:54:49	Dark	42.500	46	Del Vel	1.9540	10600.	85	41305	No
259	GOM_NL__2PRFIN20100123_155726_000000422086_00169_41305_1593.N1	23-JAN-2010 15:57:26	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41305	No
260	GOM_NL__2PRFIN20100123_160455_000000392086_00169_41305_1594.N1	23-JAN-2010 16:04:55	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	41305	No
261	GOM_NL__2PRFIN20100123_160705_000000452086_00169_41305_1595.N1	23-JAN-2010 16:07:05	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41305	No
262	GOM_NL__2PRFIN20100123_161316_000000512086_00169_41305_1596.N1	23-JAN-2010 16:13:16	Twi_and_stray	51.000	8	10Alp CMi	0.40000	6500.0	102	41305	No
263	GOM_NL__2PRFIN20100123_162226_000000352086_00169_41305_1597.N1	23-JAN-2010 16:22:26	Bright	35.000	107	37The Aur	2.6490	11000.	70	41305	No
264	GOM_NL__2PRFIN20100123_162434_000000352086_00169_41305_1598.N1	23-JAN-2010 16:24:34	Bright	34.500	42	34Bet Aur	1.9000	10200.	69	41305	No
265	GOM_NL__2PRFIN20100123_164040_000000432086_00169_41305_1599.N1	23-JAN-2010 16:40:40	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41305	No
266	GOM_NL__2PRFIN20100123_164512_000000412086_00169_41305_1600.N1	23-JAN-2010 16:45:12	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41305	No
267	GOM_NL__2PRFIN20100123_164804_000000372086_00169_41305_1601.N1	23-JAN-2010 16:48:04	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41305	No
268	GOM_NL__2PRFIN20100123_165429_000000382086_00169_41305_1602.N1	23-JAN-2010 16:54:29	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	41305	No
269	GOM_NL__2PRFIN20100123_165748_000000412086_00169_41305_1603.N1	23-JAN-2010 16:57:48	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	41305	No
270	GOM_NL__2PRFIN20100123_170709_000000462086_00169_41305_1604.N1	23-JAN-2010 17:07:09	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	41305	No
271	GOM_NL__2PRFIN20100123_171139_000000562086_00169_41305_1605.N1	23-JAN-2010 17:11:39	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	41305	No
272	GOM_NL__2PRFIN20100123_171307_000000452086_00169_41305_1606.N1	23-JAN-2010 17:13:07	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41305	No
273	GOM_NL__2PRFIN20100123_171712_000000432086_00169_41305_1607.N1	23-JAN-2010 17:17:12	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41305	No
274	GOM_NL__2PRFIN20100123_171911_000000432086_00169_41305_1608.N1	23-JAN-2010 17:19:11	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41305	No
275	GOM_NL__2PRFIN20100123_172040_000000432086_00169_41305_1597.N1	23-JAN-2010 17:20:40	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41305	No
276	GOM_NL__2PRFIN20100123_172414_000000432086_00170_41306_1598.N1	23-JAN-2010 17:24:14	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41306	No
277	GOM_NL__2PRFIN20100123_172720_000000442086_00170_41306_1599.N1	23-JAN-2010 17:27:20	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	41306	No
278	GOM_NL__2PRFIN20100123_174408_000000422086_00170_41306_1600.N1	23-JAN-2010 17:44:08	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41306	No

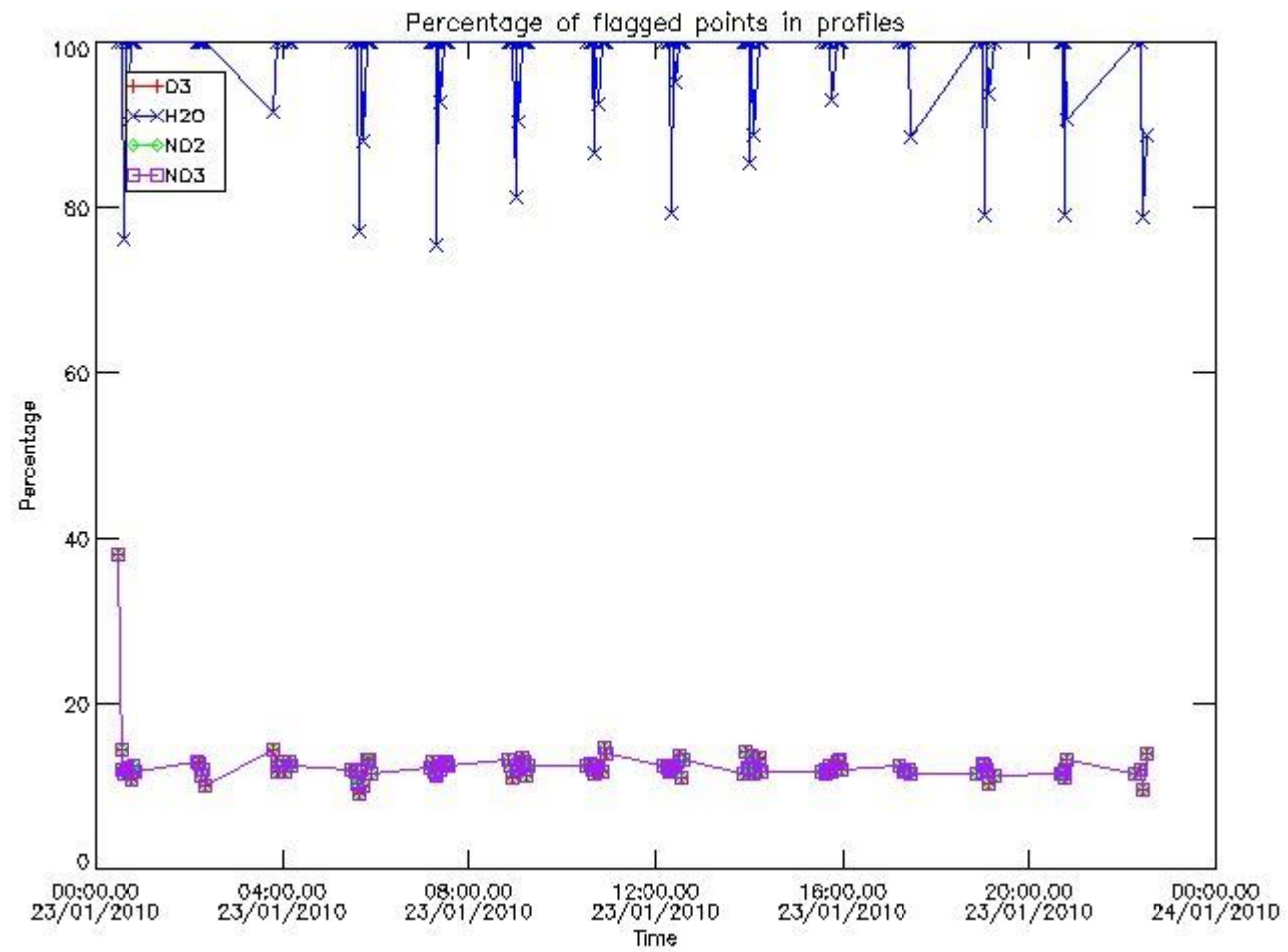
279	GOM_NL__2PRFIN20100123_174531_000000382086_00170_41306_1601.N1	23-JAN-2010 17:45:31	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41306	No
280	GOM_NL__2PRFIN20100123_174741_000000372086_00170_41306_1602.N1	23-JAN-2010 17:47:41	Straylight	37.000	1	9Alp CMa	-1.4400	11000.	74	41306	No
281	GOM_NL__2PRFIN20100123_175352_000000512086_00170_41306_1603.N1	23-JAN-2010 17:53:52	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	41306	No
282	GOM_NL__2PRFIN20100123_180055_000000452086_00170_41306_1604.N1	23-JAN-2010 18:00:55	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	41306	No
283	GOM_NL__2PRFIN20100123_180510_000000382086_00170_41306_1605.N1	23-JAN-2010 18:05:10	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41306	No
284	GOM_NL__2PRFIN20100123_182116_000000432086_00170_41306_1606.N1	23-JAN-2010 18:21:16	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	41306	No
285	GOM_NL__2PRFIN20100123_182548_000000412086_00170_41306_1607.N1	23-JAN-2010 18:25:48	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41306	No
286	GOM_NL__2PRFIN20100123_182840_000000532086_00170_41306_1608.N1	23-JAN-2010 18:28:40	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	41306	No
287	GOM_NL__2PRFIN20100123_183506_000000392086_00170_41306_1609.N1	23-JAN-2010 18:35:06	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41306	No
288	GOM_NL__2PRFIN20100123_183824_000000402086_00170_41306_1610.N1	23-JAN-2010 18:38:24	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41306	No
289	GOM_NL__2PRFIN20100123_184208_000000522086_00170_41306_1611.N1	23-JAN-2010 18:42:08	Bright	52.000	126	60Bet Oph	2.7700	4250.0	104	41306	No
290	GOM_NL__2PRFIN20100123_185216_000000462086_00170_41306_1612.N1	23-JAN-2010 18:52:16	Twilight	45.500	16	21Alp Sco	1.0200	3000.0	91	41306	No
291	GOM_NL__2PRFIN20100123_185343_000000452086_00170_41306_1613.N1	23-JAN-2010 18:53:43	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41306	No
292	GOM_NL__2PRFIN20100123_185948_000000442086_00170_41306_1614.N1	23-JAN-2010 18:59:48	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41306	No
293	GOM_NL__2PRFIN20100123_190117_000000442086_00171_41307_1606.N1	23-JAN-2010 19:01:17	Dark	43.500	78	Alp Lup	2.3040	28000.	87	41307	No
294	GOM_NL__2PRFIN20100123_190324_000000412086_00171_41307_1607.N1	23-JAN-2010 19:03:24	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41307	No
295	GOM_NL__2PRFIN20100123_190451_000000432086_00171_41307_1608.N1	23-JAN-2010 19:04:51	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41307	No
296	GOM_NL__2PRFIN20100123_190757_000000492086_00171_41307_1609.N1	23-JAN-2010 19:07:57	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	41307	No
297	GOM_NL__2PRFIN20100123_191602_000000452086_00171_41307_1610.N1	23-JAN-2010 19:16:02	Dark	45.000	46	Del Vel	1.9540	10600.	90	41307	No
298	GOM_NL__2PRFIN20100123_192045_000000432086_00171_41307_1611.N1	23-JAN-2010 19:20:45	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	41307	No
299	GOM_NL__2PRFIN20100123_192444_000000422086_00171_41307_1612.N1	23-JAN-2010 19:24:44	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41307	No
300	GOM_NL__2PRFIN20100123_192607_000000372086_00171_41307_1613.N1	23-JAN-2010 19:26:07	Straylight	36.500	179	24Omi2CMa	3.0320	24000.	73	41307	No
301	GOM_NL__2PRFIN20100123_192817_000000372086_00171_41307_1614.N1	23-JAN-2010 19:28:17	Straylight	36.500	1	9Alp CMa	-1.4400	11000.	73	41307	No
302	GOM_NL__2PRFIN20100123_193428_000000492086_00171_41307_1615.N1	23-JAN-2010 19:34:28	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	41307	No
303	GOM_NL__2PRFIN20100123_193925_000000412086_00171_41307_1616.N1	23-JAN-2010 19:39:25	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41307	No
304	GOM_NL__2PRFIN20100123_194547_000000362086_00171_41307_1617.N1	23-JAN-2010 19:45:47	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41307	No
305	GOM_NL__2PRFIN20100123_200152_000000372086_00171_41307_1618.N1	23-JAN-2010 20:01:52	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41307	No
306	GOM_NL__2PRFIN20100123_200624_000000402086_00171_41307_1619.N1	23-JAN-2010 20:06:24	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41307	No
307	GOM_NL__2PRFIN20100123_200916_000000342086_00171_41307_1620.N1	23-JAN-2010 20:09:16	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	41307	No
308	GOM_NL__2PRFIN20100123_201542_000000412086_00171_41307_1621.N1	23-JAN-2010 20:15:42	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	41307	No
309	GOM_NL__2PRFIN20100123_201900_000000412086_00171_41307_1622.N1	23-JAN-2010 20:19:00	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	41307	No
310	GOM_NL__2PRFIN20100123_203252_000000472086_00171_41307_1623.N1	23-JAN-2010 20:32:52	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	41307	No
311	GOM_NL__2PRFIN20100123_204025_000000442086_00171_41307_1624.N1	23-JAN-2010 20:40:25	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41307	No
312	GOM_NL__2PRFIN20100123_204154_000000452086_00172_41308_1615.N1	23-JAN-2010 20:41:54	Dark	44.500	78	Alp Lup	2.3040	28000.	89	41308	No
313	GOM_NL__2PRFIN20100123_204401_000000462086_00172_41308_1616.N1	23-JAN-2010 20:44:01	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	41308	No
314	GOM_NL__2PRFIN20100123_204528_000000432086_00172_41308_1617.N1	23-JAN-2010 20:45:28	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41308	No
315	GOM_NL__2PRFIN20100123_204833_000000432086_00172_41308_1618.N1	23-JAN-2010 20:48:33	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	41308	No
316	GOM_NL__2PRFIN20100123_210121_000000402086_00172_41308_1619.N1	23-JAN-2010 21:01:21	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41308	No
317	GOM_NL__2PRFIN20100123_210520_000000412086_00172_41308_1620.N1	23-JAN-2010 21:05:20	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41308	No
318	GOM_NL__2PRFIN20100123_210643_000000352086_00172_41308_1621.N1	23-JAN-2010 21:06:43	Straylight	35.000	179	24Omi2CMa	3.0320	24000.	70	41308	No
319	GOM_NL__2PRFIN20100123_210853_000000452086_00172_41308_1622.N1	23-JAN-2010 21:08:53	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41308	No
320	GOM_NL__2PRFIN20100123_211504_000000492086_00172_41308_1623.N1	23-JAN-2010 21:15:04	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	41308	No
321	GOM_NL__2PRFIN20100123_212001_000000412086_00172_41308_1624.N1	23-JAN-2010 21:20:01	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41308	No
322	GOM_NL__2PRFIN20100123_212622_000000372086_00172_41308_1625.N1	23-JAN-2010 21:26:22	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41308	No
323	GOM_NL__2PRFIN20100123_214227_000000412086_00172_41308_1626.N1	23-JAN-2010 21:42:27	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41308	No
324	GOM_NL__2PRFIN20100123_214700_000000412086_00172_41308_1627.N1	23-JAN-2010 21:47:00	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	41308	No
325	GOM_NL__2PRFIN20100123_214952_000000342086_00172_41308_1628.N1	23-JAN-2010 21:49:52	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	41308	No
326	GOM_NL__2PRFIN20100123_215618_000000572086_00172_41308_1629.N1	23-JAN-2010 21:56:18	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41308	No
327	GOM_NL__2PRFIN20100123_215936_000000502086_00172_41308_1630.N1	23-JAN-2010 21:59:36	Bright	50.000	127	27Bet Her	2.7810	4700.0	100	41308	No
328	GOM_NL__2PRFIN20100123_220858_000000452086_00172_41308_1631.N1	23-JAN-2010 22:08:58	Twilight	45.000	98	13Zet Oph	2.5710	30000.	90	41308	No
329	GOM_NL__2PRFIN20100123_221328_000000492086_00172_41308_1632.N1	23-JAN-2010 22:13:28	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41308	No
330	GOM_NL__2PRFIN20100123_221456_000000452086_00172_41308_1633.N1	23-JAN-2010 22:14:56	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41308	No
331	GOM_NL__2PRFIN20100123_222230_000000422086_00173_41309_1624.N1	23-JAN-2010 22:22:30	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41309	No
332	GOM_NL__2PRFIN20100123_222437_000000532086_00173_41309_1625.N1	23-JAN-2010 22:24:37	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	41309	No
333	GOM_NL__2PRFIN20100123_222910_000000402086_00173_41309_1626.N1	23-JAN-2010 22:29:10	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41309	No
334	GOM_NL__2PRFIN20100123_224157_000000422086_00173_41309_1627.N1	23-JAN-2010 22:41:57	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41309	No
335	GOM_NL__2PRFIN20100123_224328_000000412086_00173_41309_1628.N1	23-JAN-2010 22:43:28	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	41309	No
336	GOM_NL__2PRFIN20100123_224556_000000402086_00173_41309_1629.N1	23-JAN-2010 22:45:56	Straylight	40.000	23	21Eps CMa	1.5020	26000.	80	41309	No
337	GOM_NL__2PRFIN20100123_224719_000000402086_00173_41309_1630.N1	23-JAN-2010 22:47:19	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41309	No

338	GOM_NL__2PRFIN20100123_224929_000000432086_00173_41309_1631.N1	23-JAN-2010 22:49:29	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41309	No
339	GOM_NL__2PRFIN20100123_225539_000000462086_00173_41309_1632.N1	23-JAN-2010 22:55:39	Twilight	46.000	8	10Alp CMI	0.40000	6500.0	92	41309	No
340	GOM_NL__2PRFIN20100123_225850_000000192086_00173_41309_1633.N1	23-JAN-2010 22:58:50	Twilight	19.000	44	24Gam Gem	1.9280	11000.	38	41309	No
341	GOM_NL__2PRFIN20100123_230242_000000452086_00173_41309_1634.N1	23-JAN-2010 23:02:42	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41309	No
342	GOM_NL__2PRFIN20100123_230450_000000362086_00173_41309_1635.N1	23-JAN-2010 23:04:50	Bright	36.000	107	37The Aur	2.6490	11000.	72	41309	No
343	GOM_NL__2PRFIN20100123_230658_000000372086_00173_41309_1636.N1	23-JAN-2010 23:06:58	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41309	No
344	GOM_NL__2PRFIN20100123_233028_000000392086_00173_41309_1637.N1	23-JAN-2010 23:30:28	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41309	No
345	GOM_NL__2PRFIN20100123_233654_000000572086_00173_41309_1638.N1	23-JAN-2010 23:36:54	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41309	No
346	GOM_NL__2PRFIN20100123_234012_000000402086_00173_41309_1639.N1	23-JAN-2010 23:40:12	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41309	No
347	GOM_NL__2PRFIN20100123_235405_000000492086_00173_41309_1640.N1	23-JAN-2010 23:54:05	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41309	No

3. Quality information per product

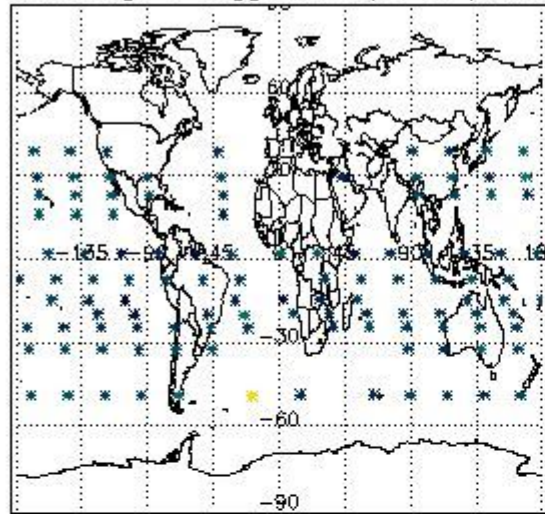
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

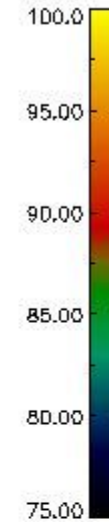
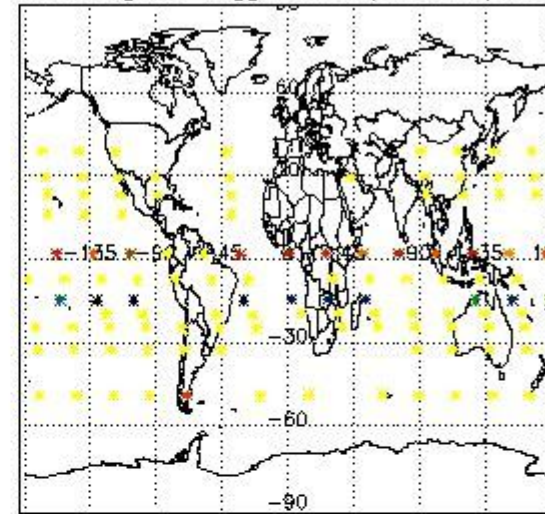


3.2 Plot quality information per product (world map)

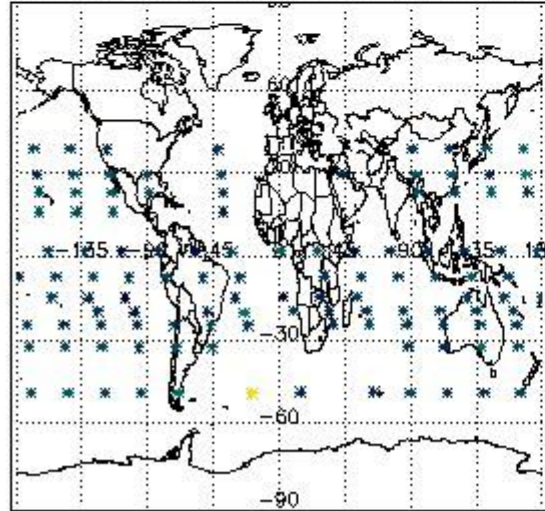
Percentage of flagged data per O3 profile



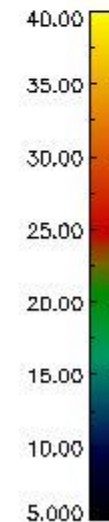
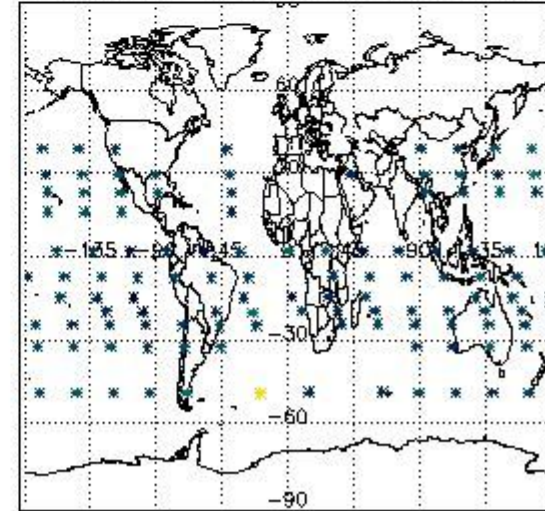
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

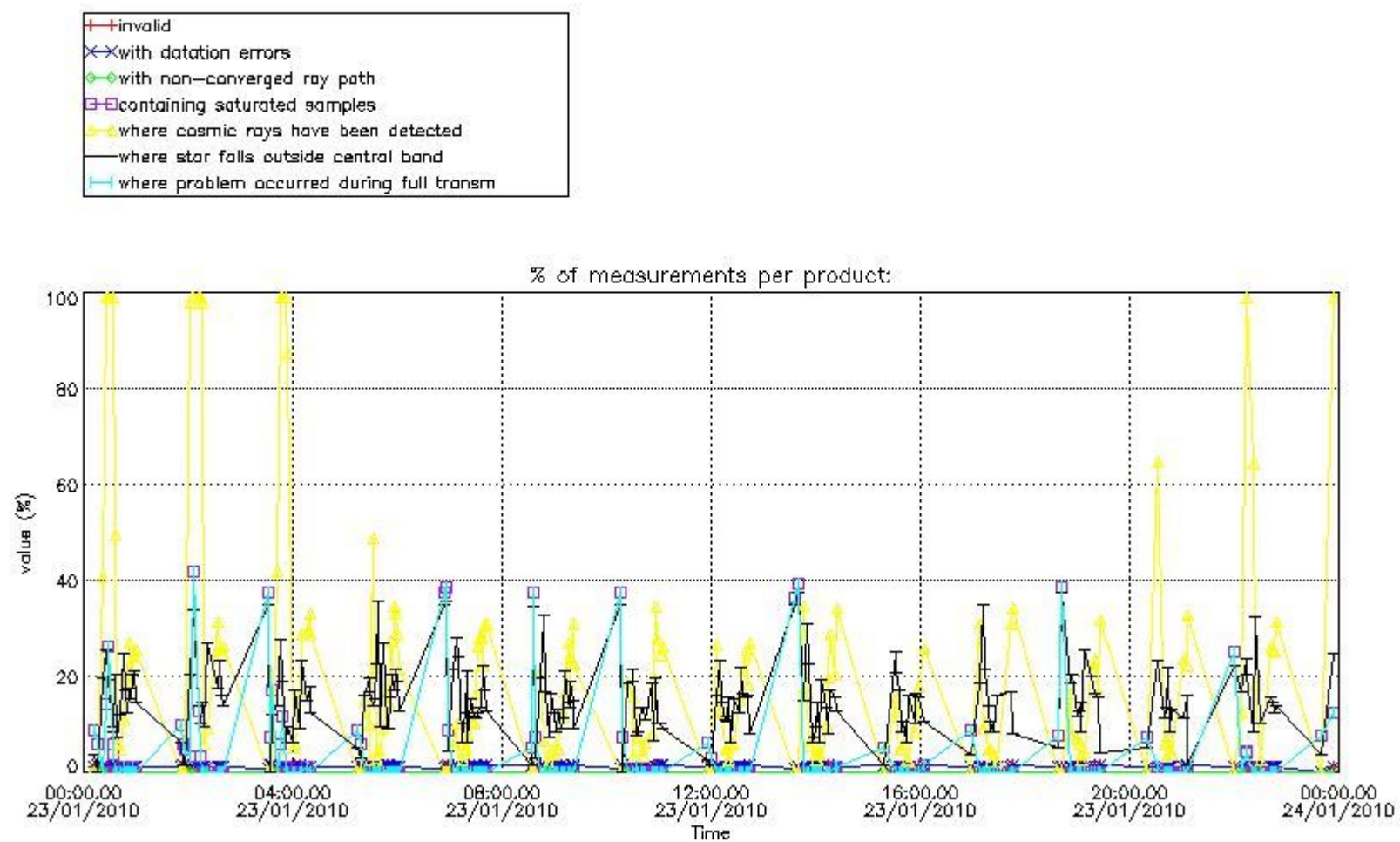


4. Level 1 quality information per product

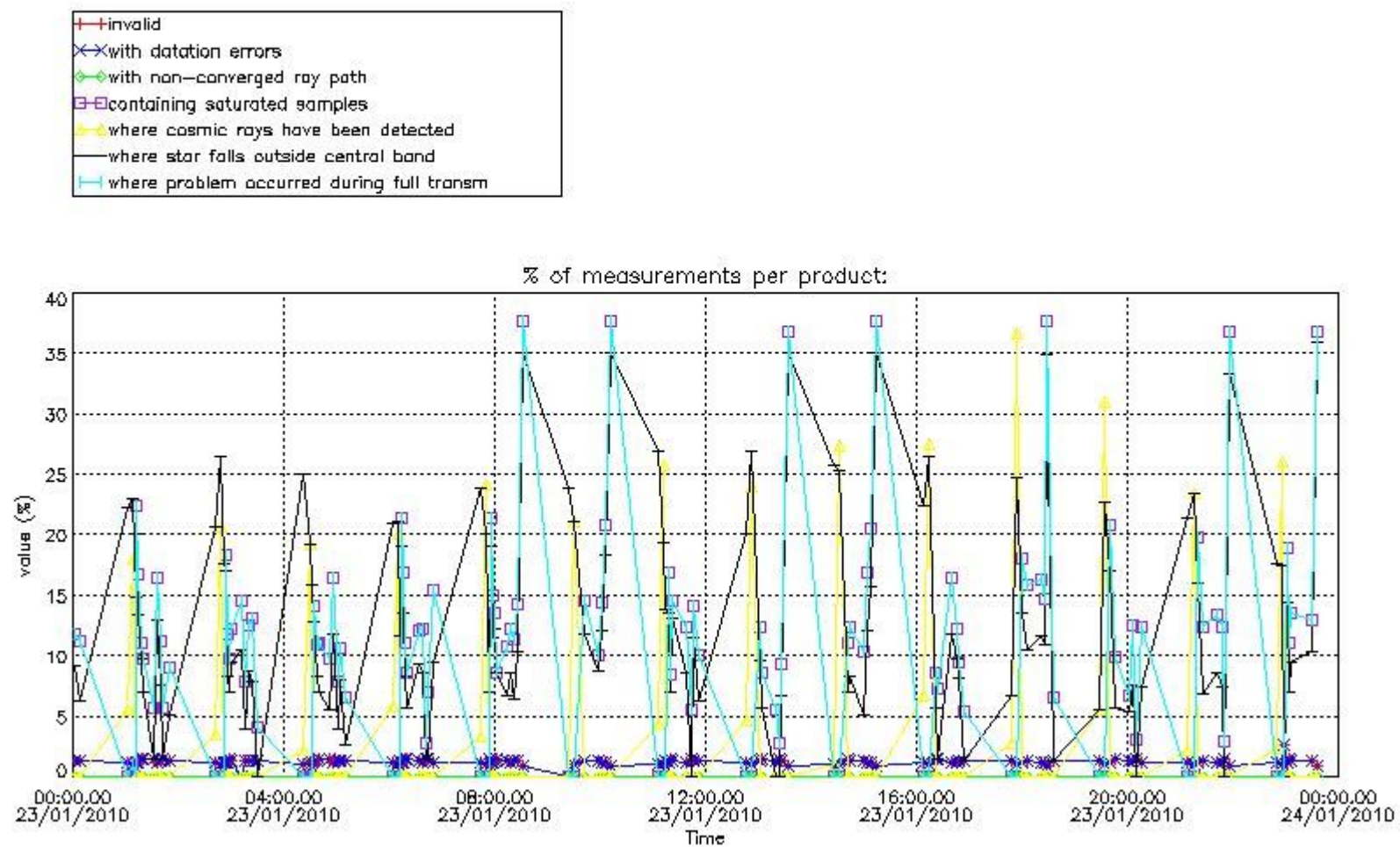
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

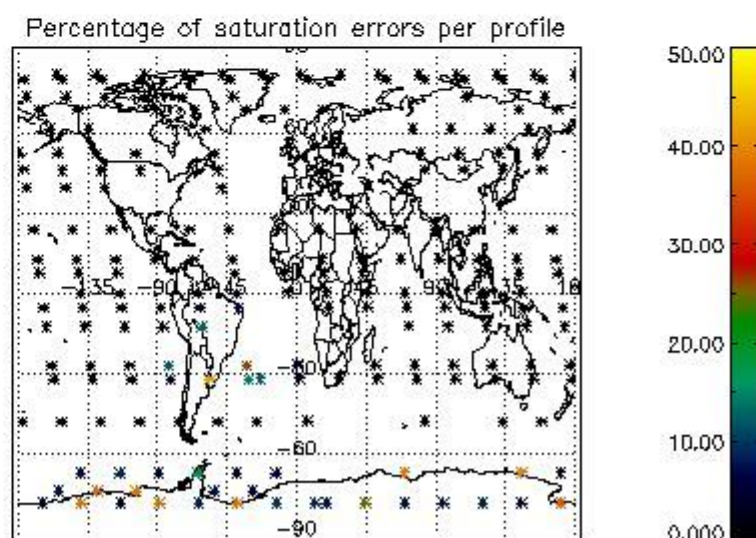
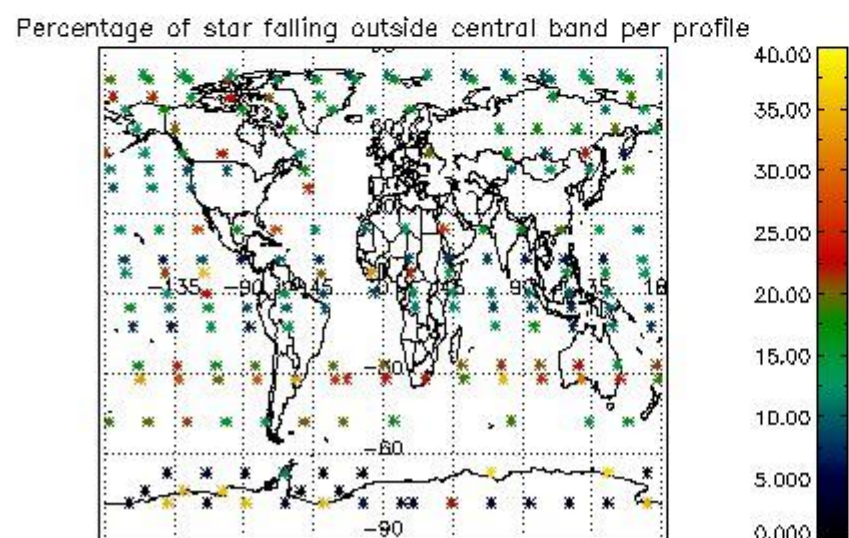
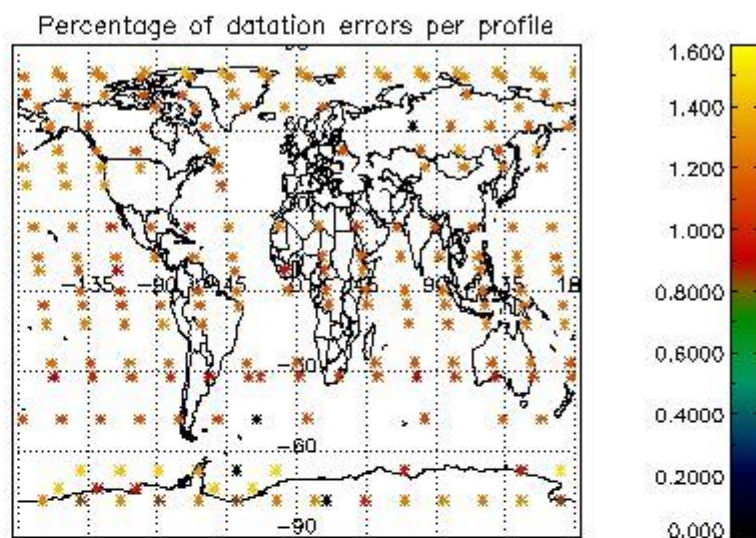
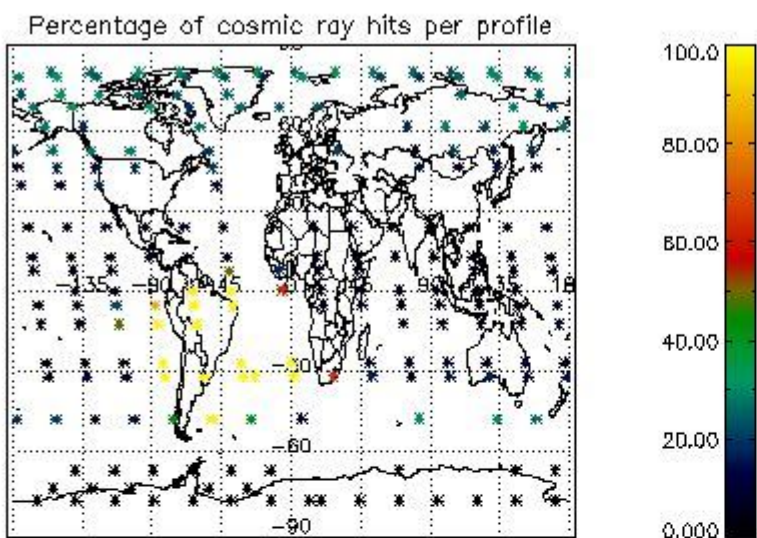


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



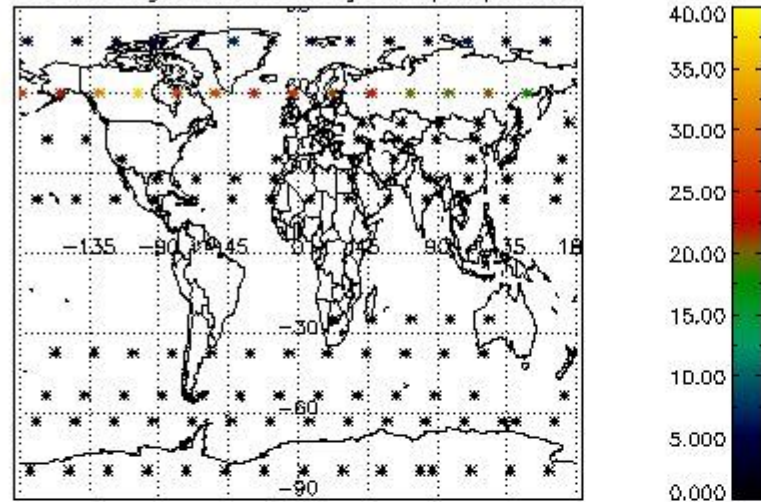
4.2 Plot quality information per product coming from level 1b processing (world map)

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

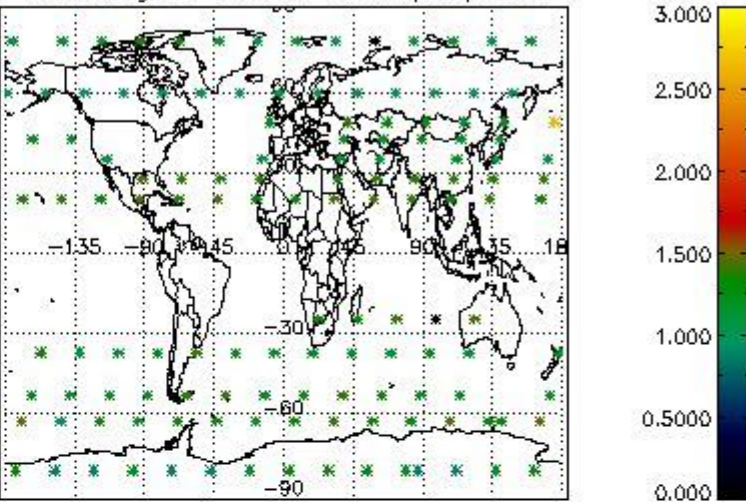


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

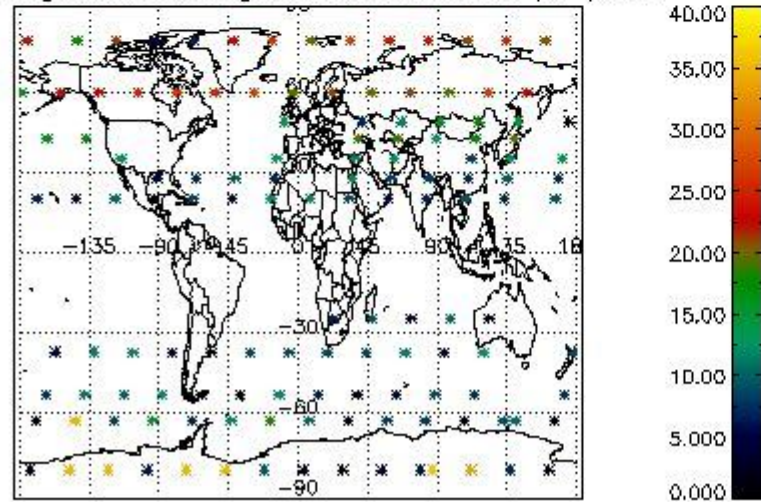
Percentage of cosmic ray hits per profile



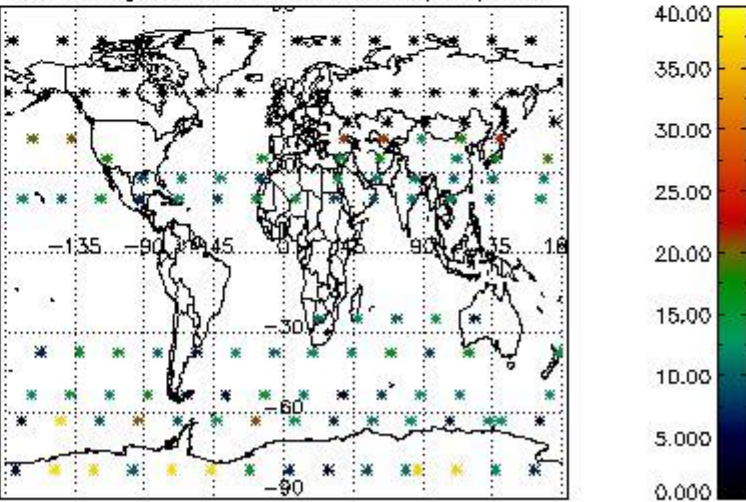
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

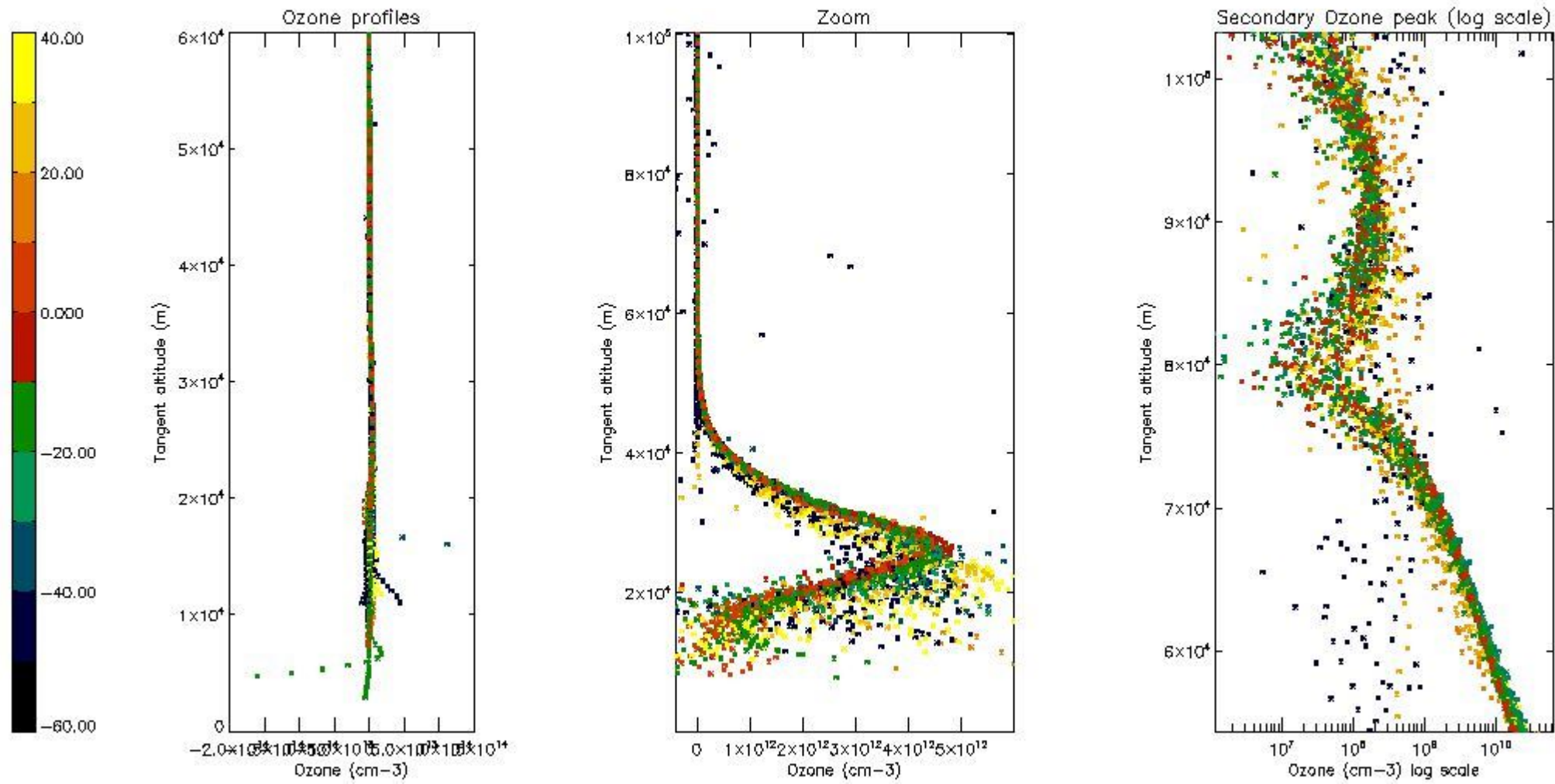
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	18

STD < 10	15
STD < 5	11

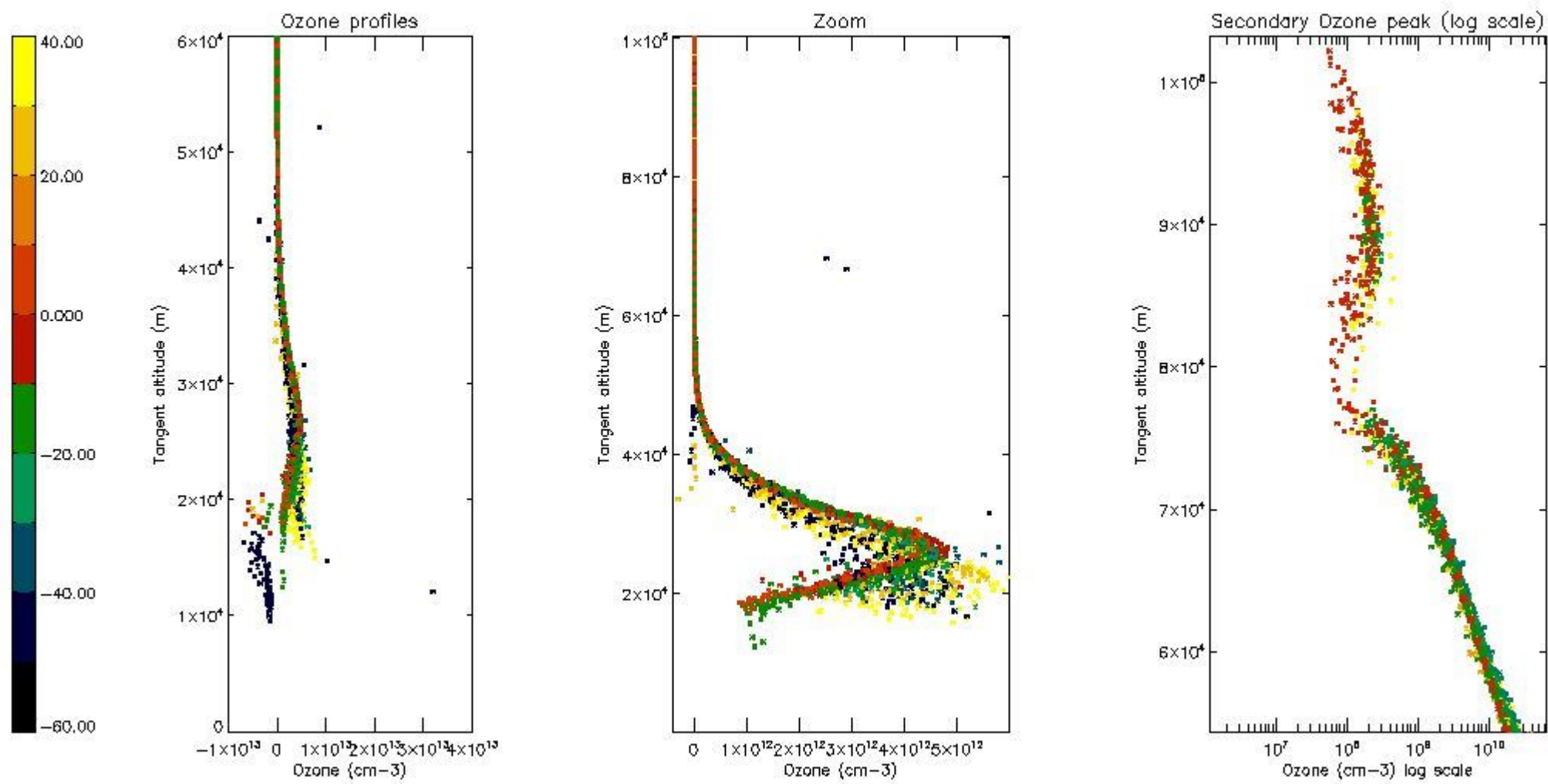
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



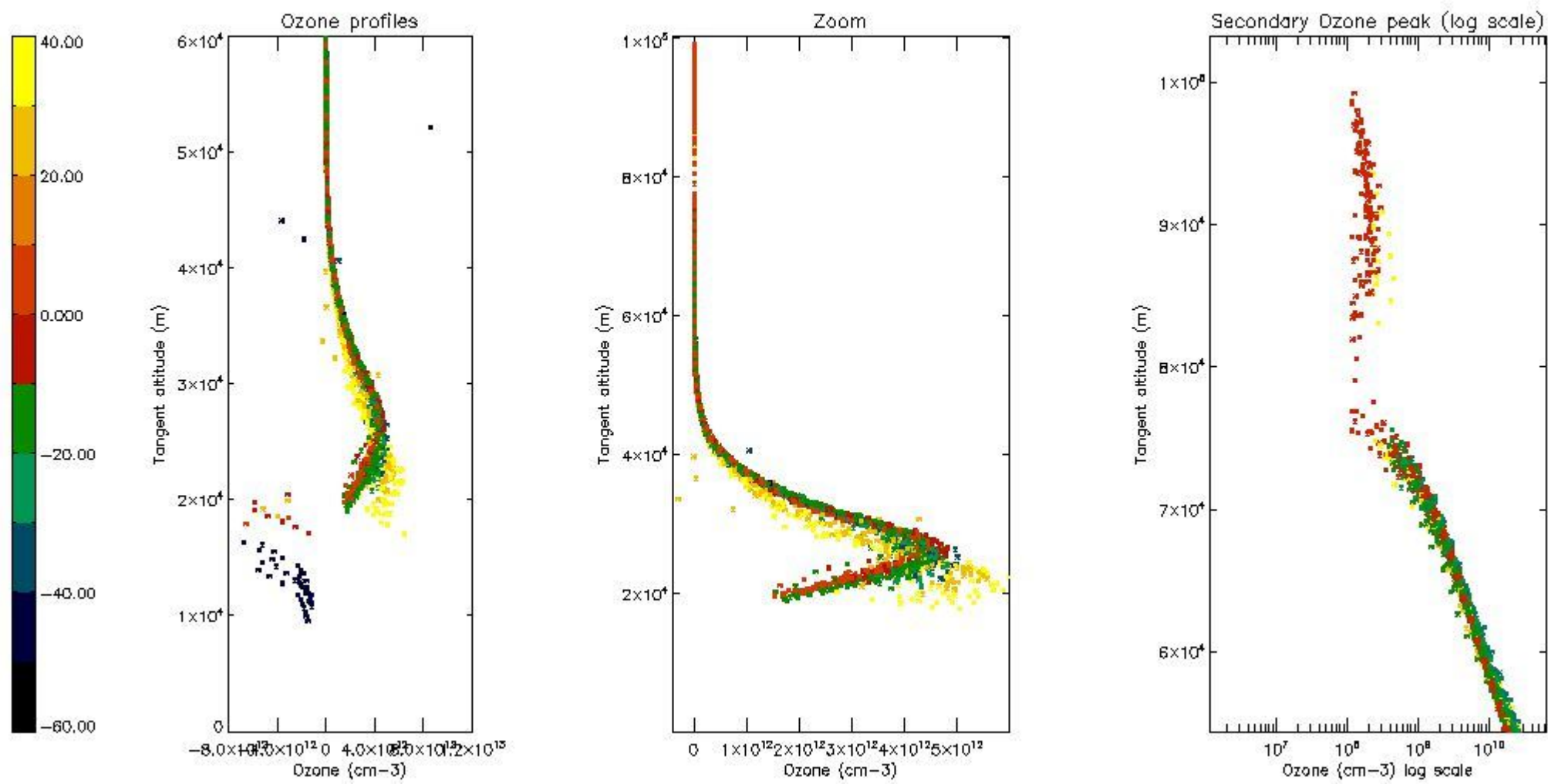
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



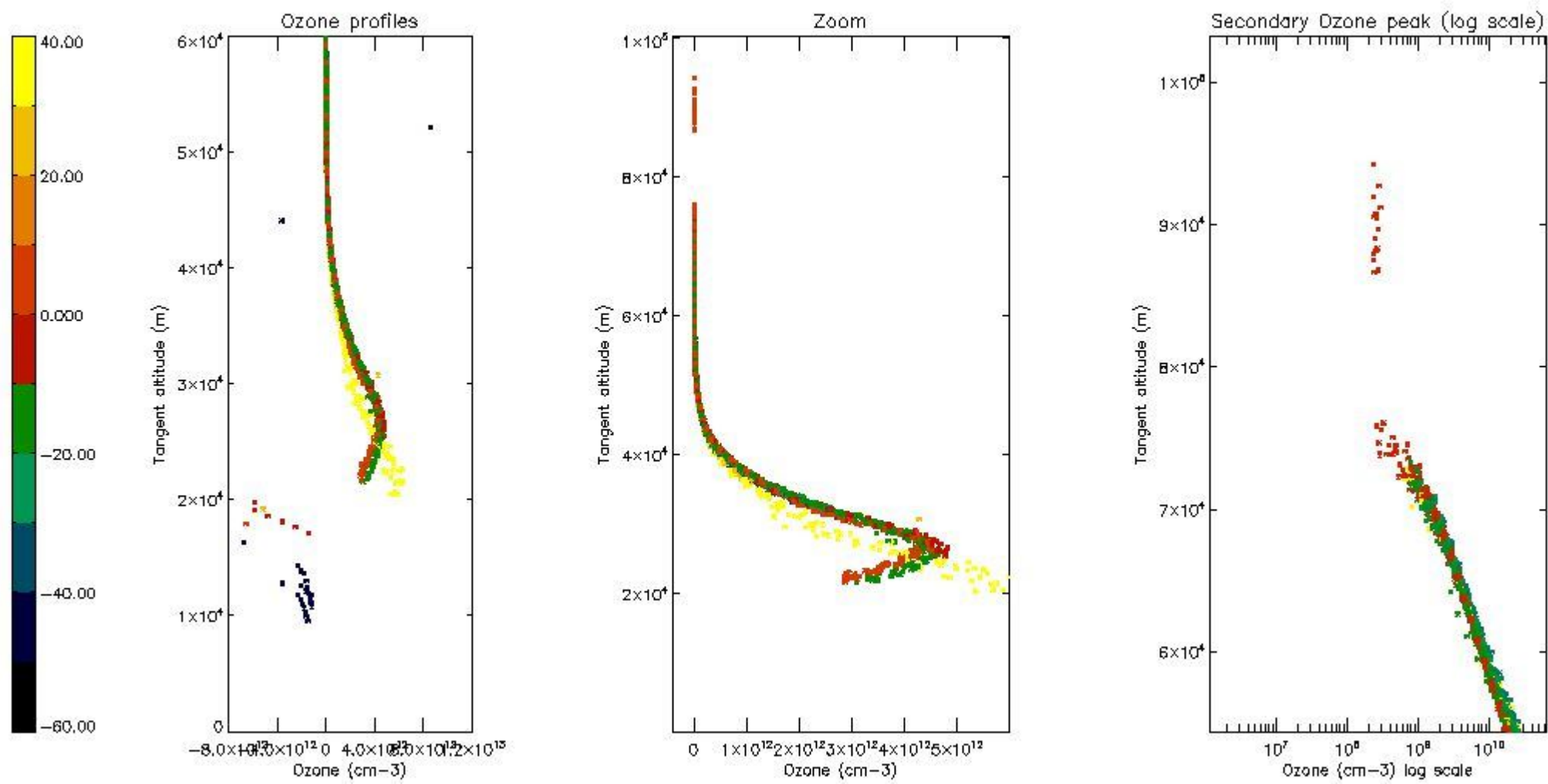
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



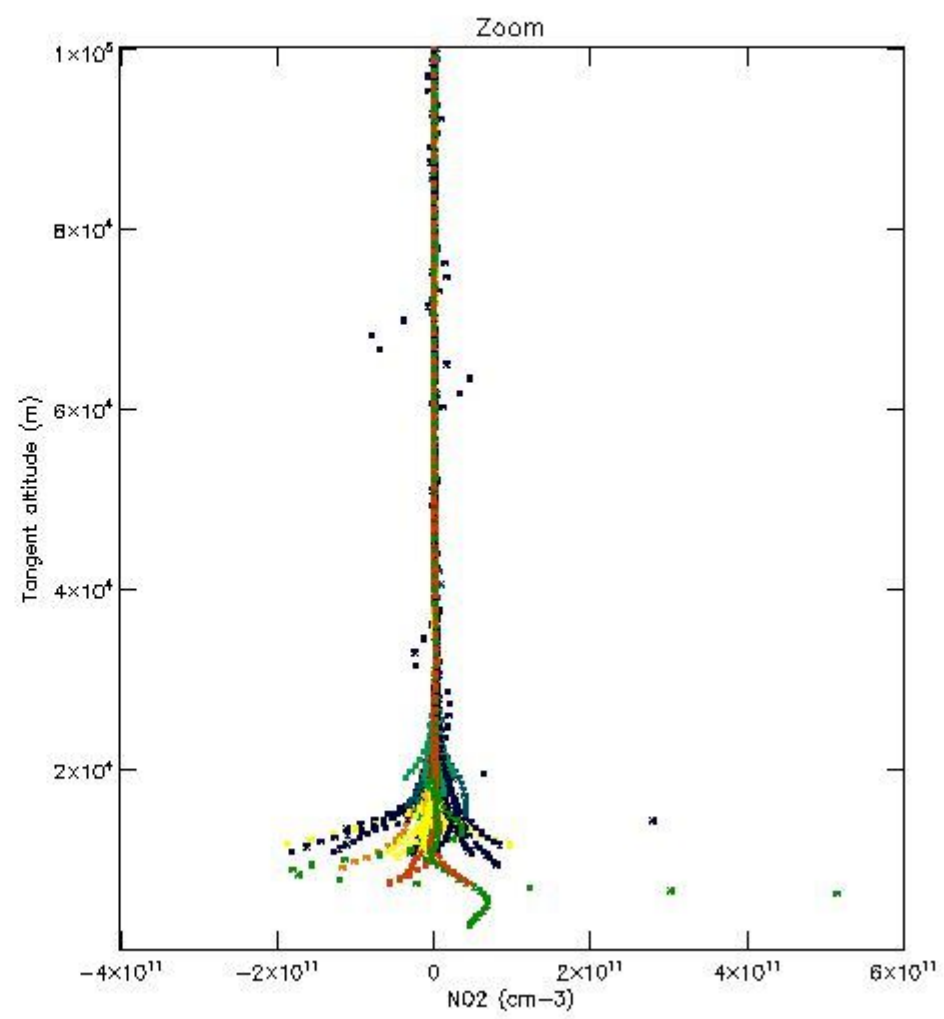
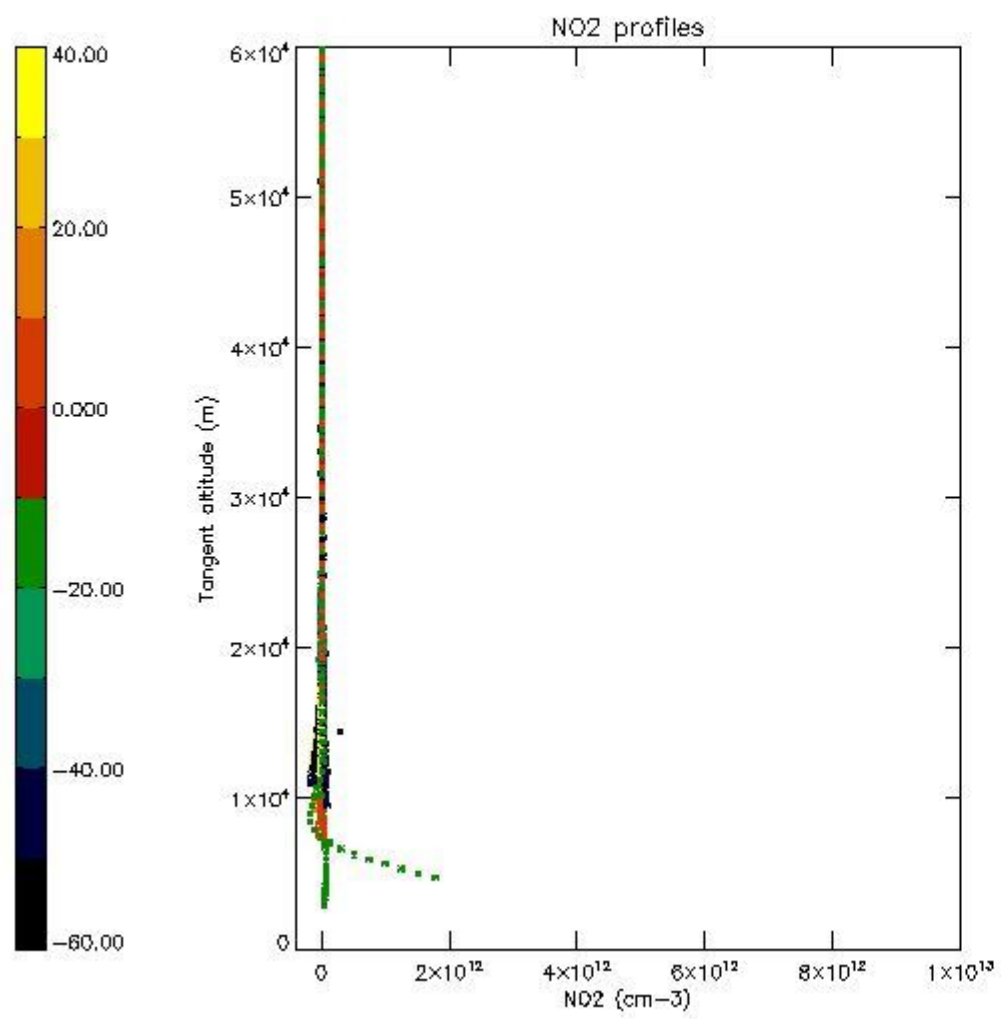
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



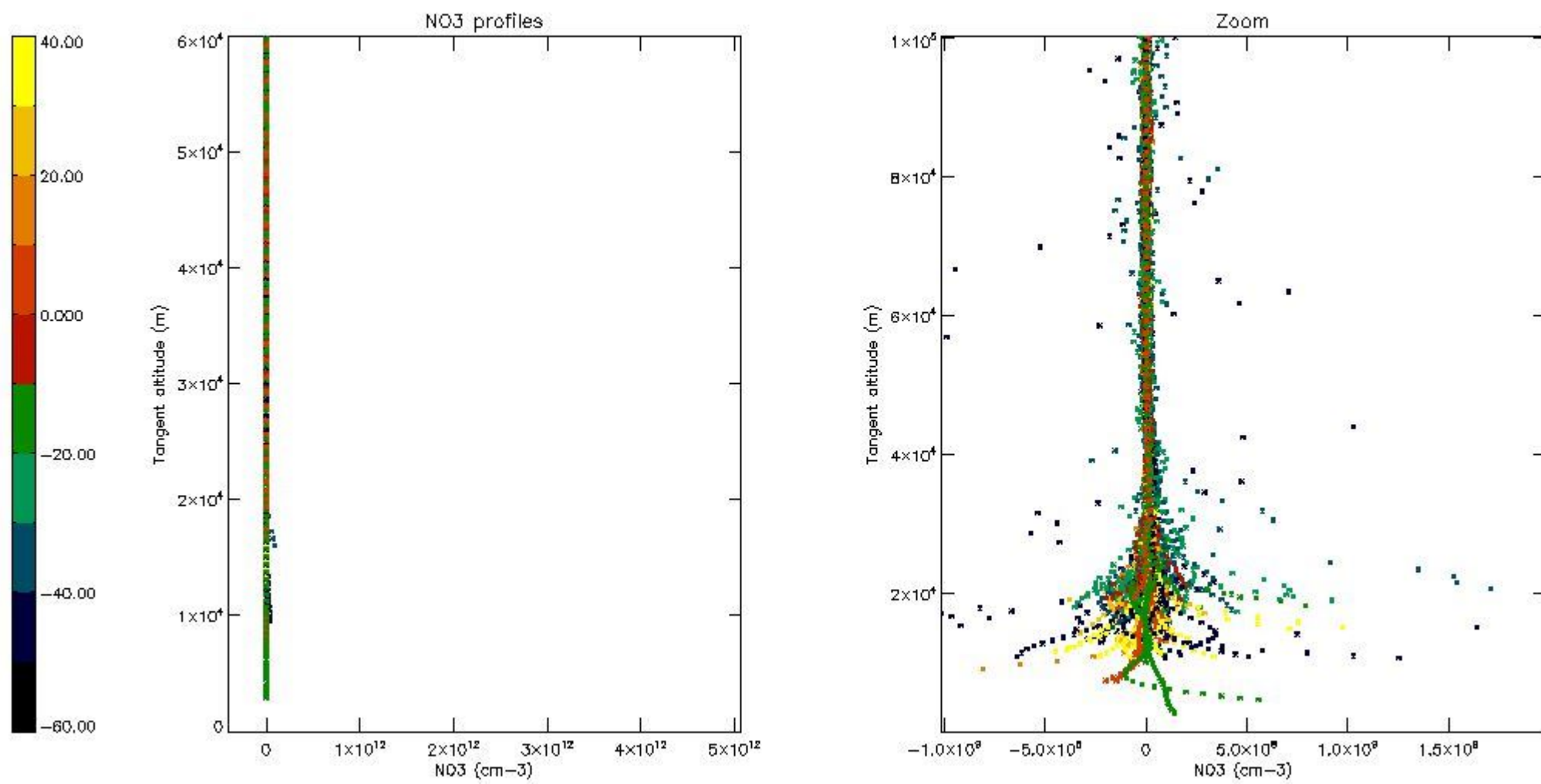
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



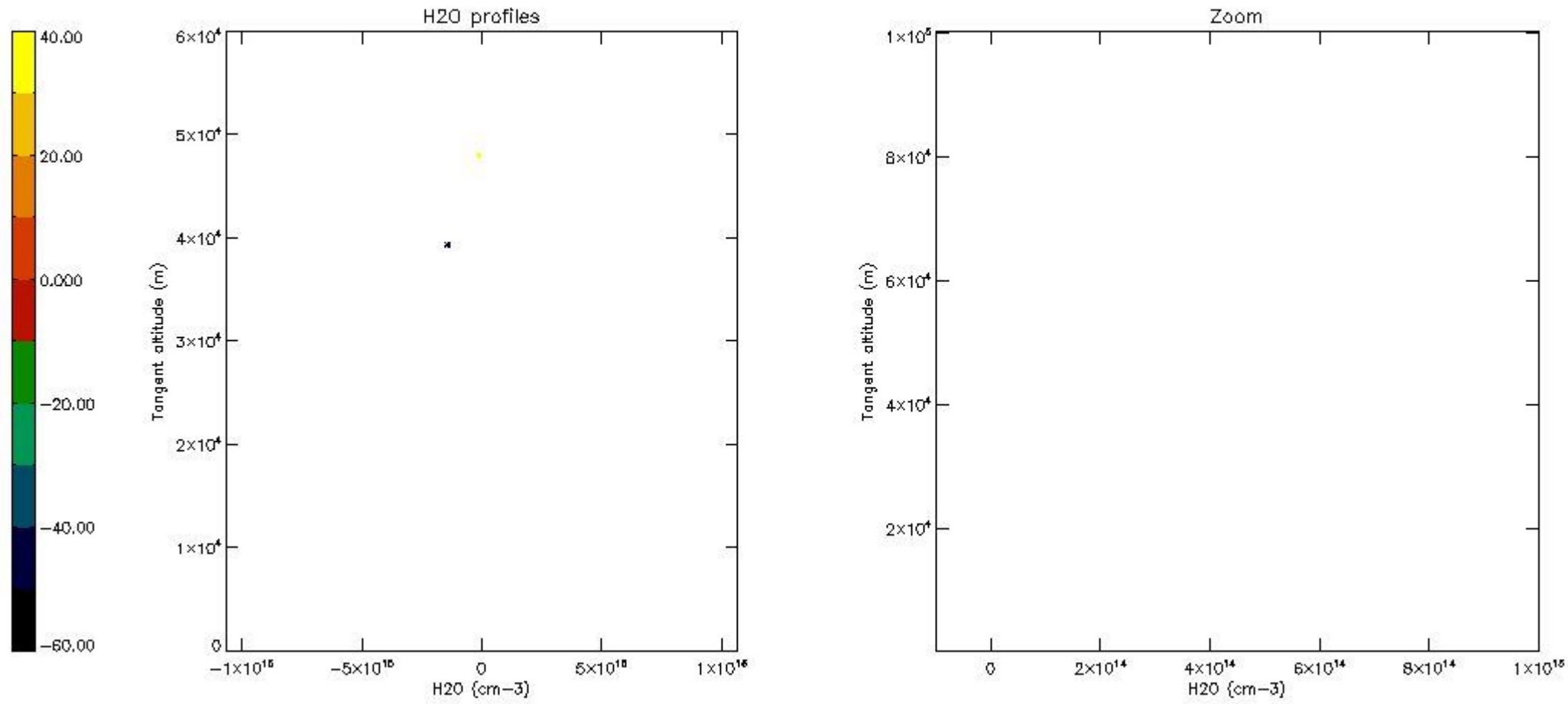
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

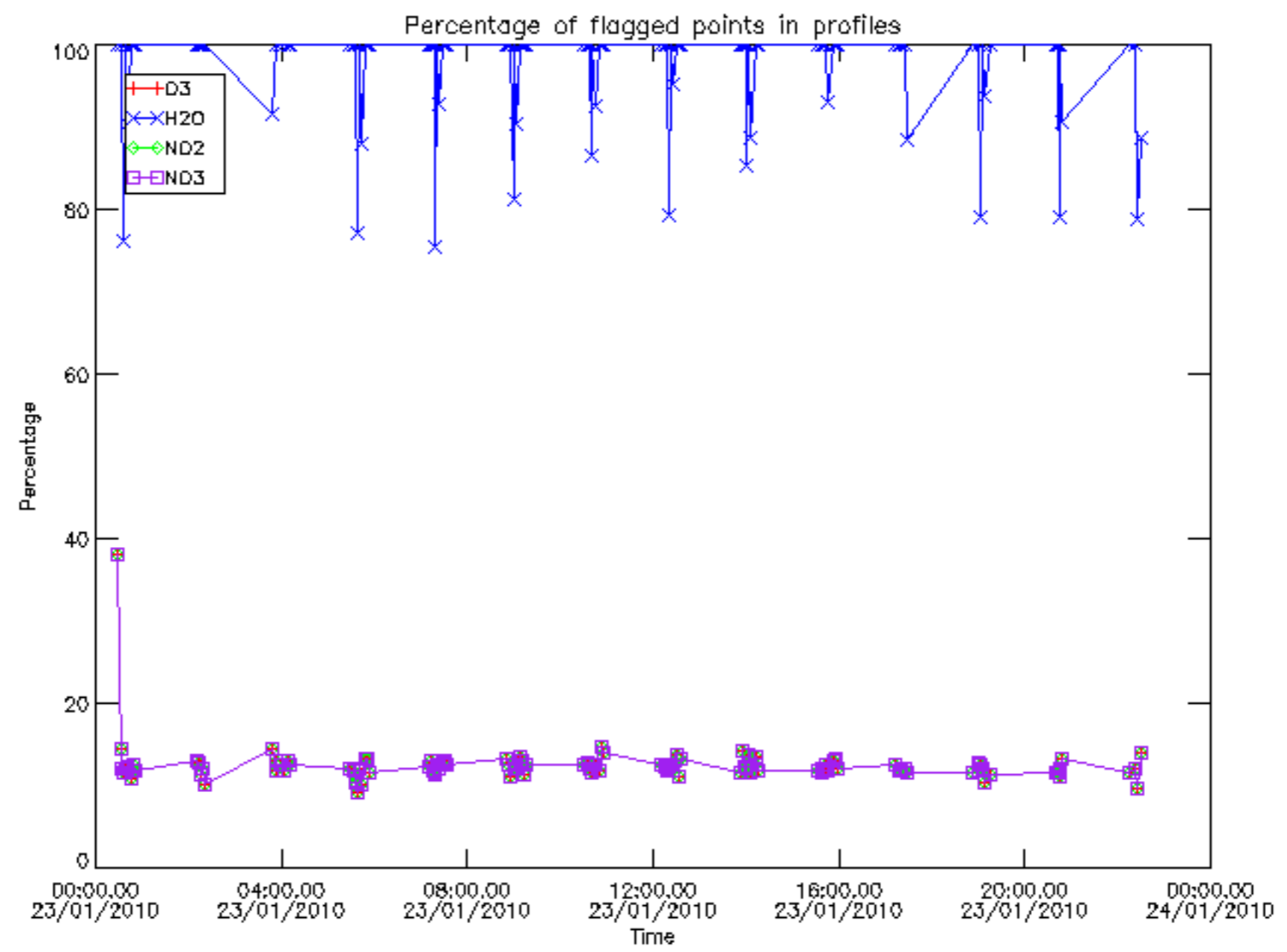
The colorbar represents the latitude.



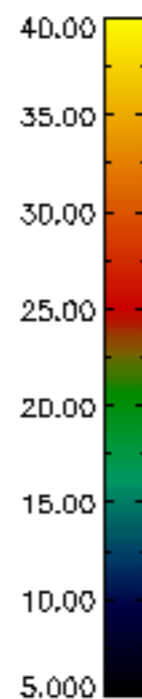
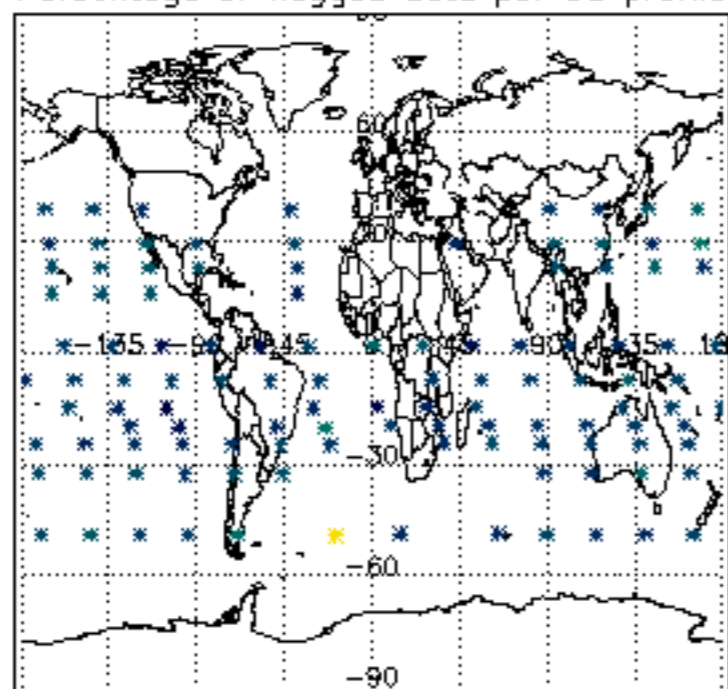
6. Auxiliary Data Files used for the production reported in section 2

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.

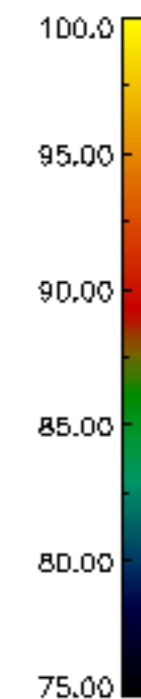
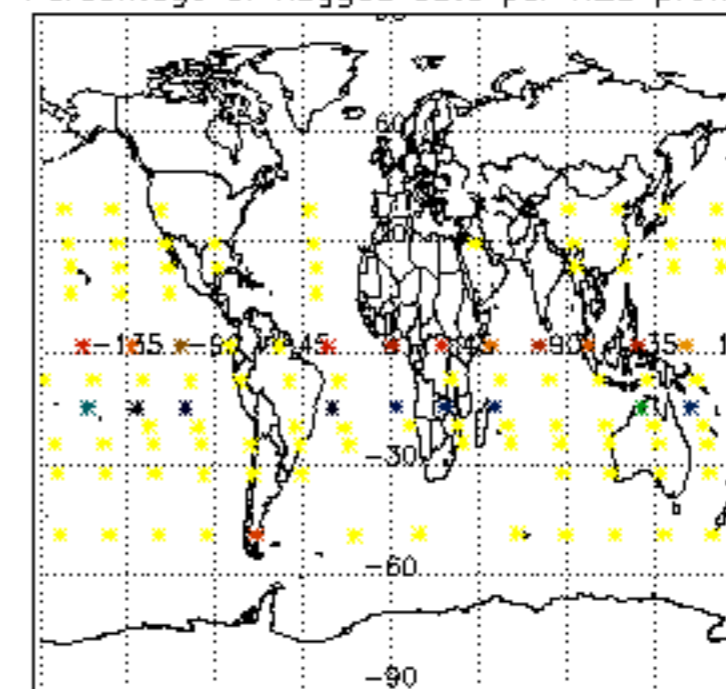
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JAN-2010 00:02:04
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-JAN-2010 00:02:04
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-JAN-2010 00:02:04



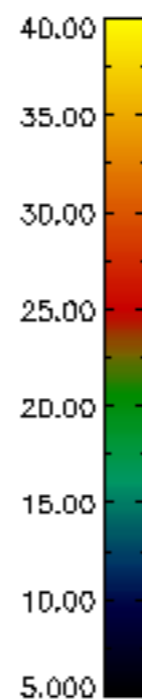
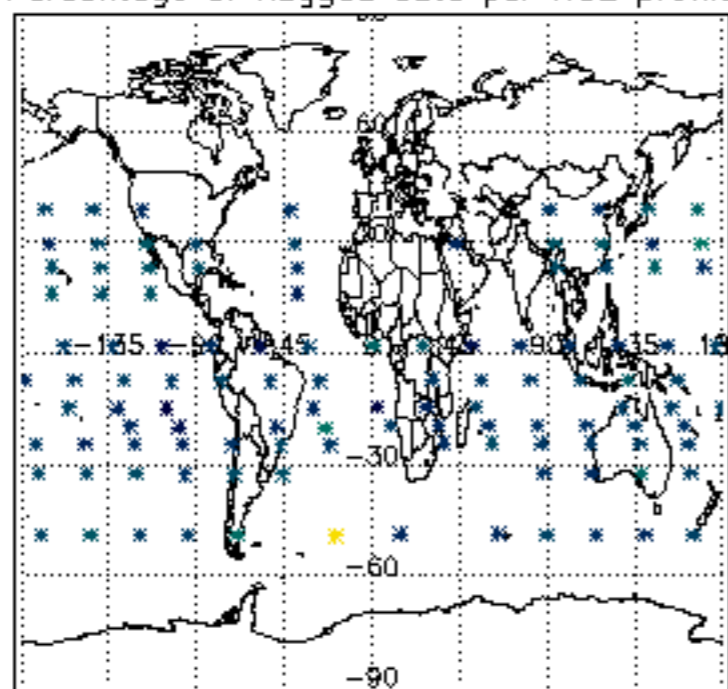
Percentage of flagged data per D3 profile



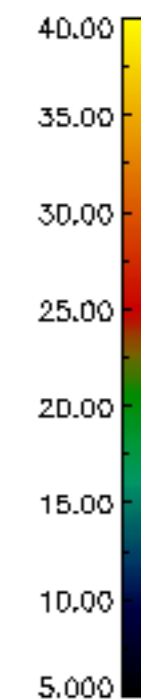
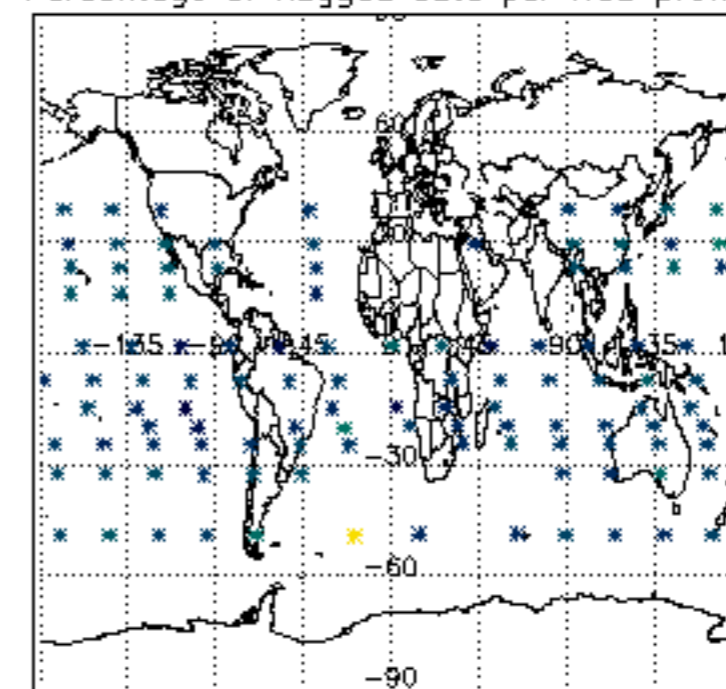
Percentage of flagged data per H2O profile

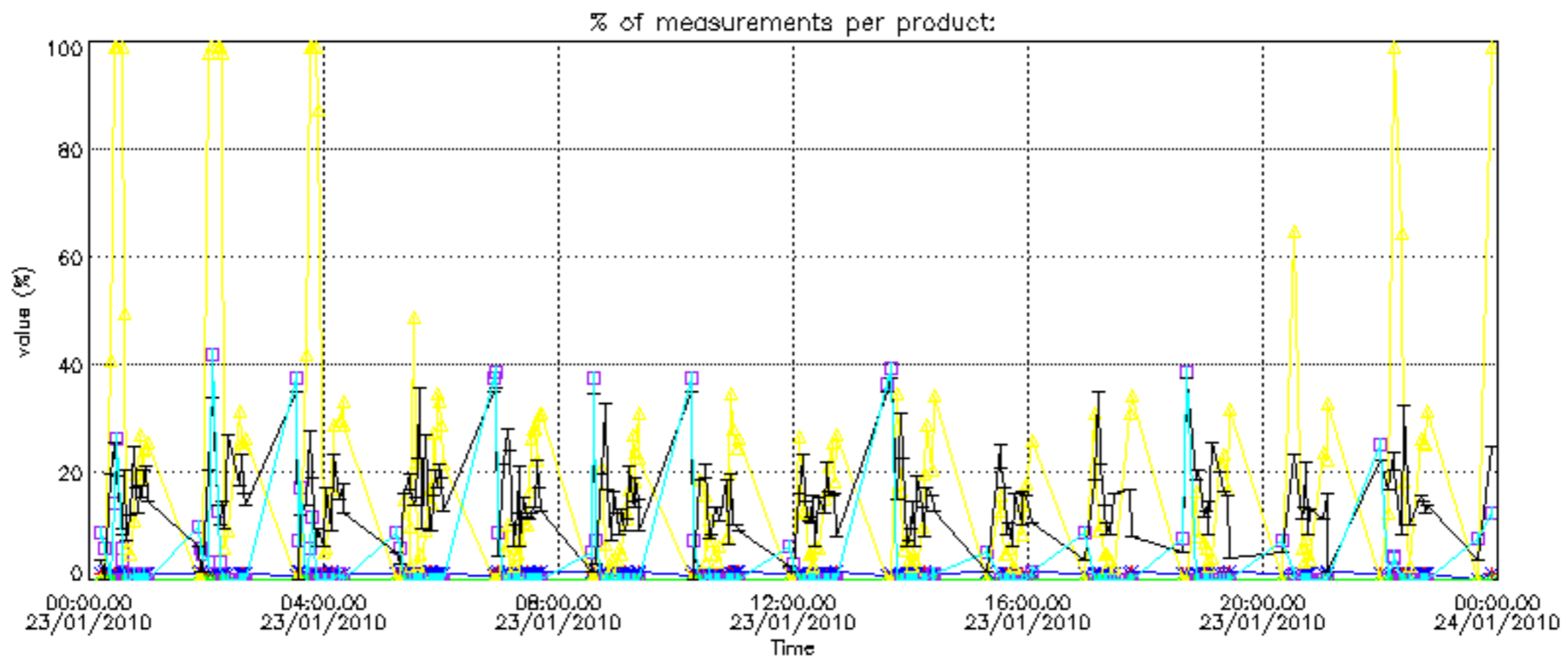


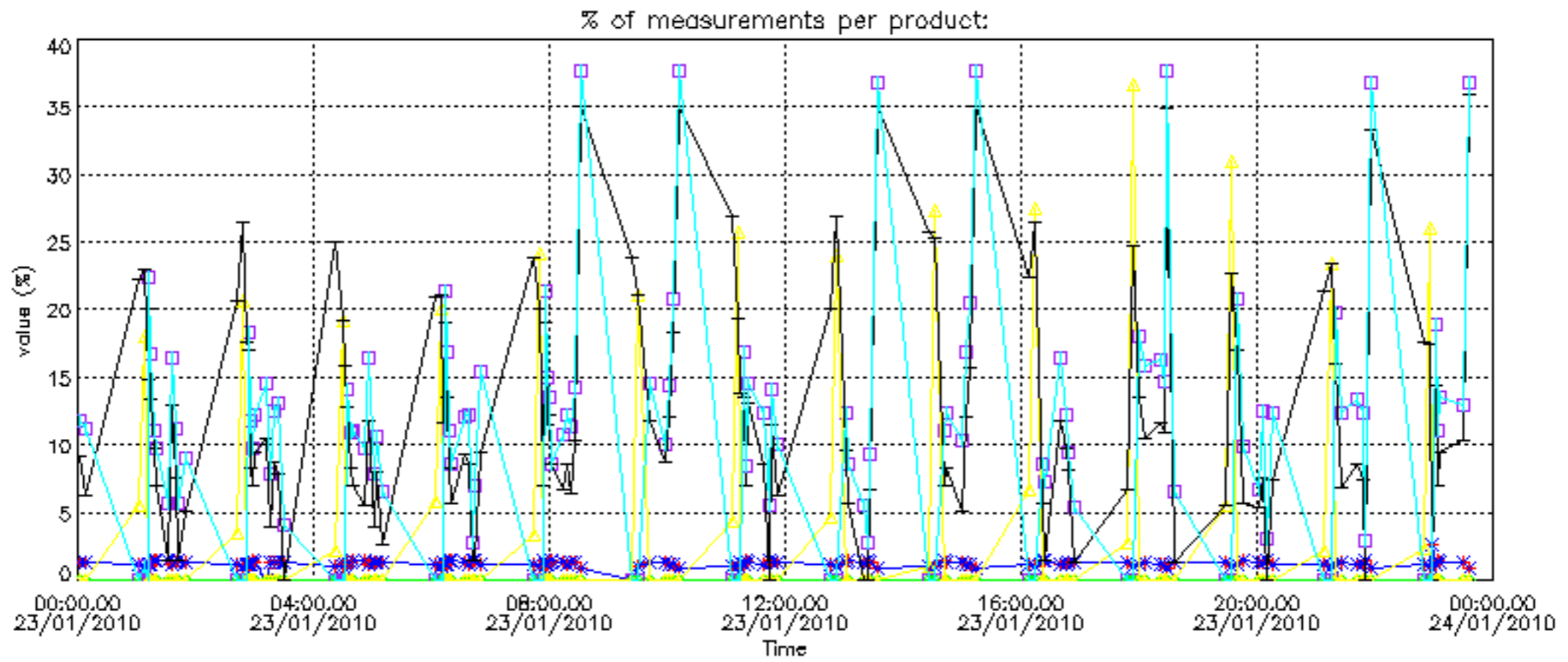
Percentage of flagged data per NO2 profile



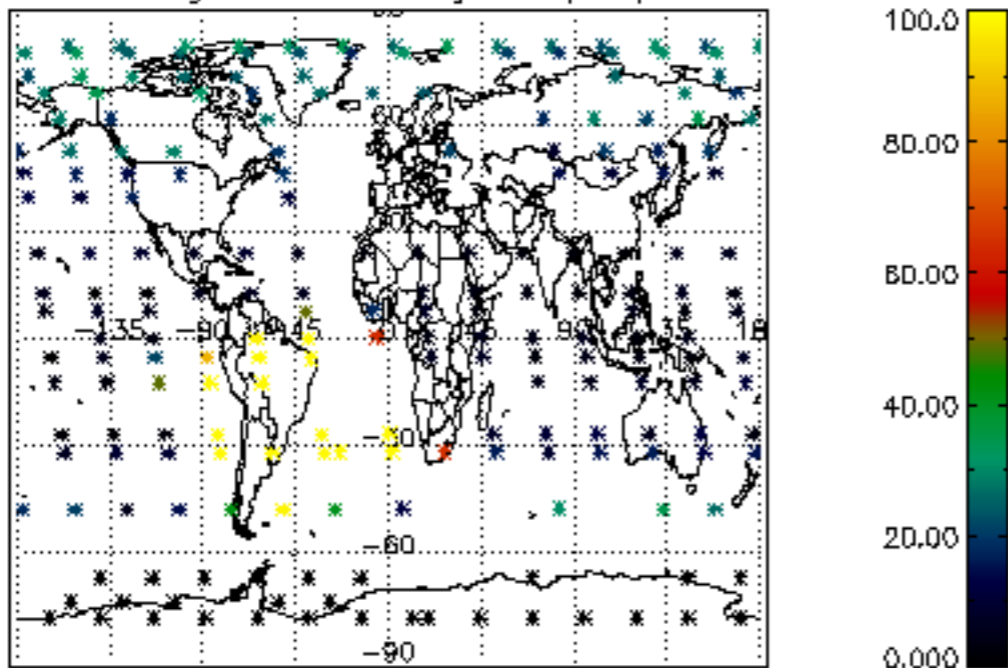
Percentage of flagged data per NO3 profile



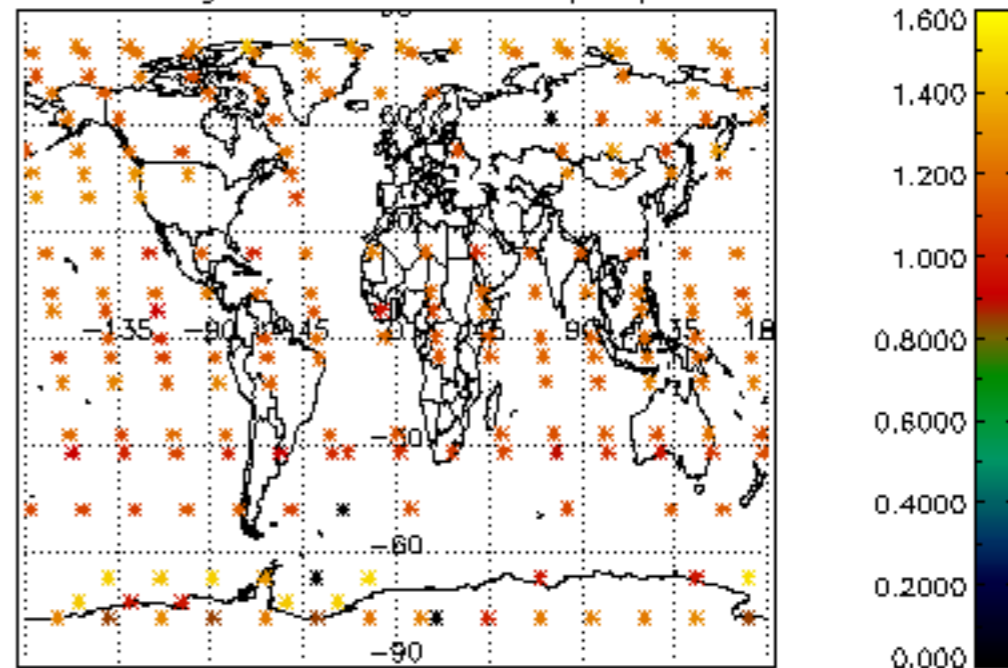




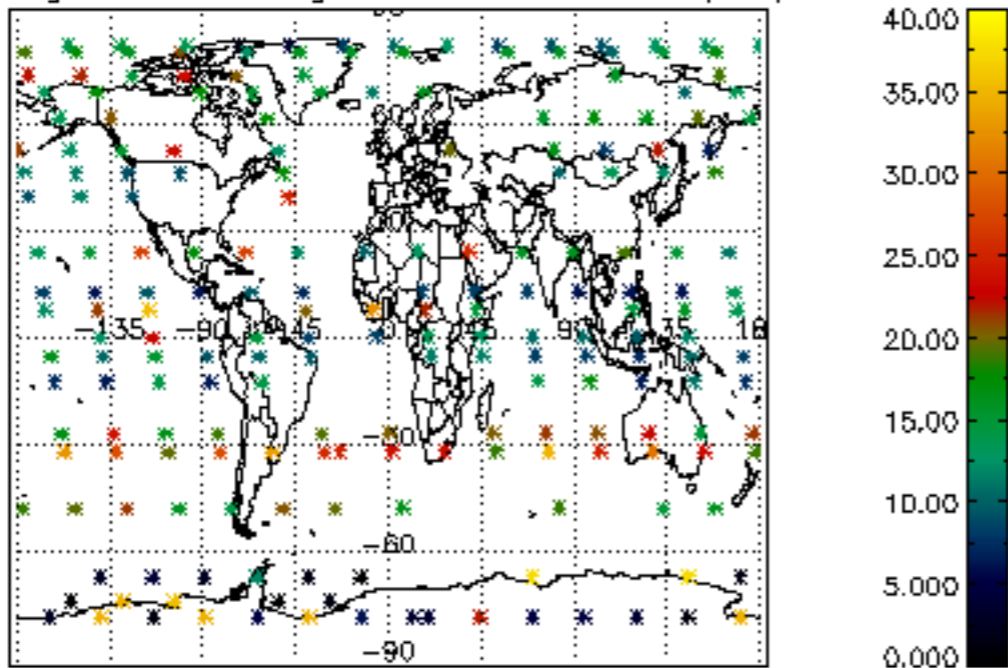
Percentage of cosmic ray hits per profile



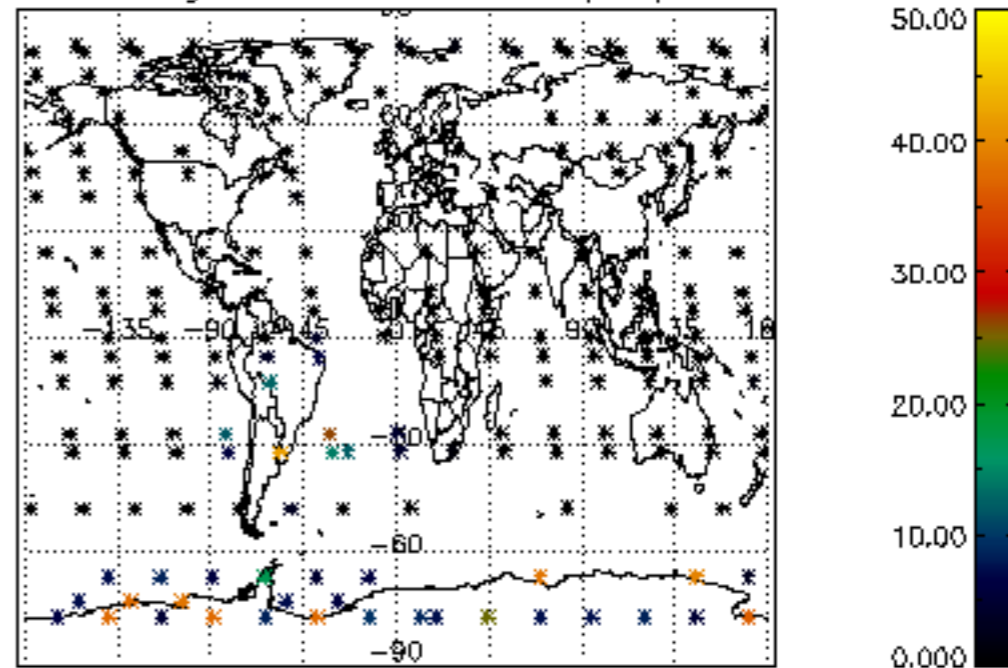
Percentage of datation errors per profile



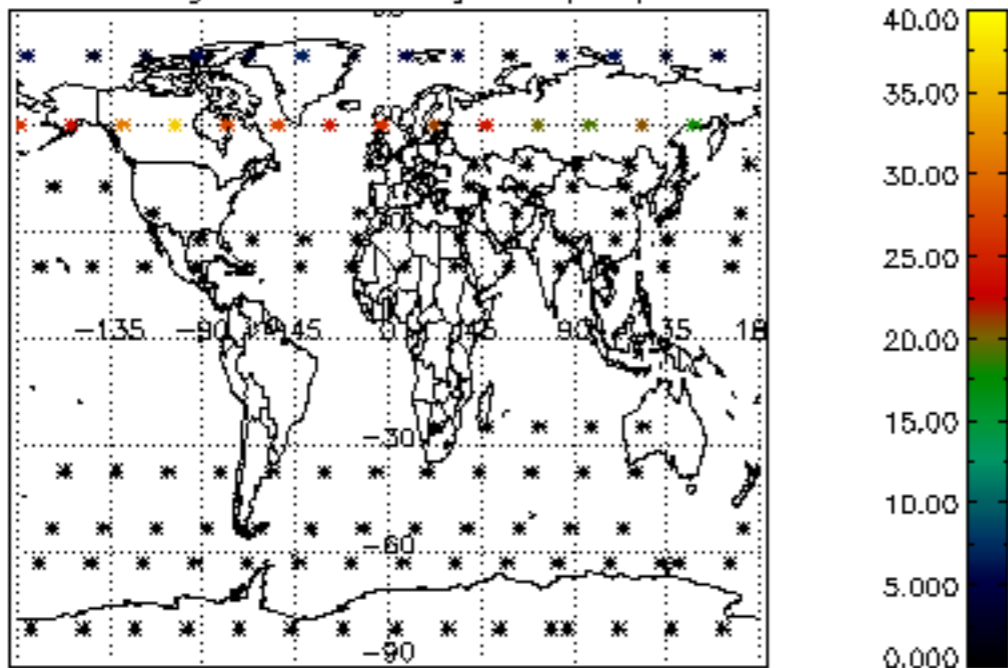
Percentage of star falling outside central band per profile



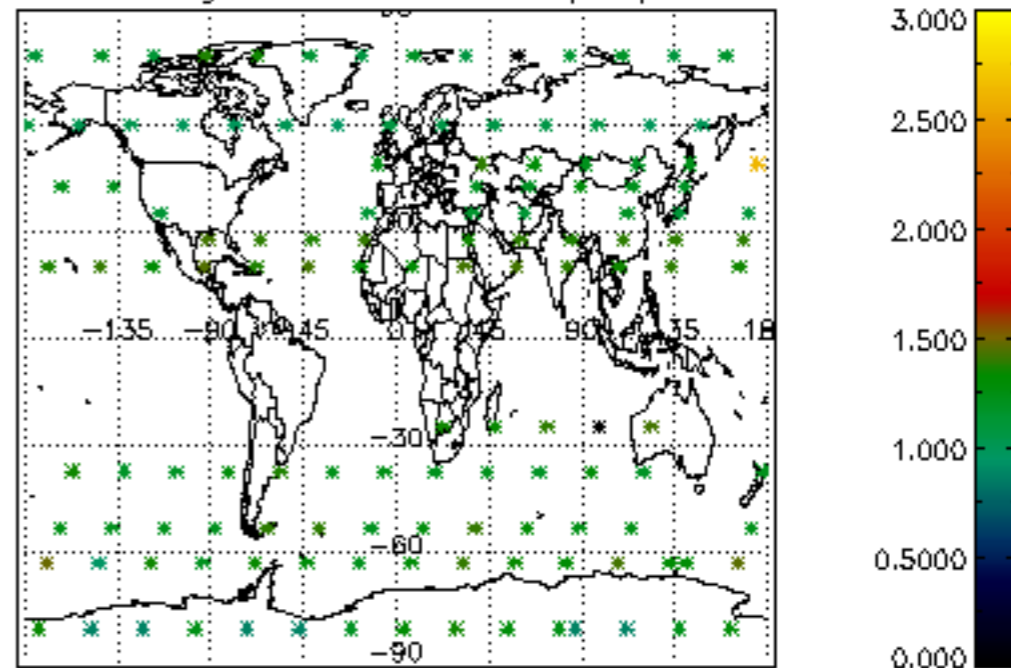
Percentage of saturation errors per profile



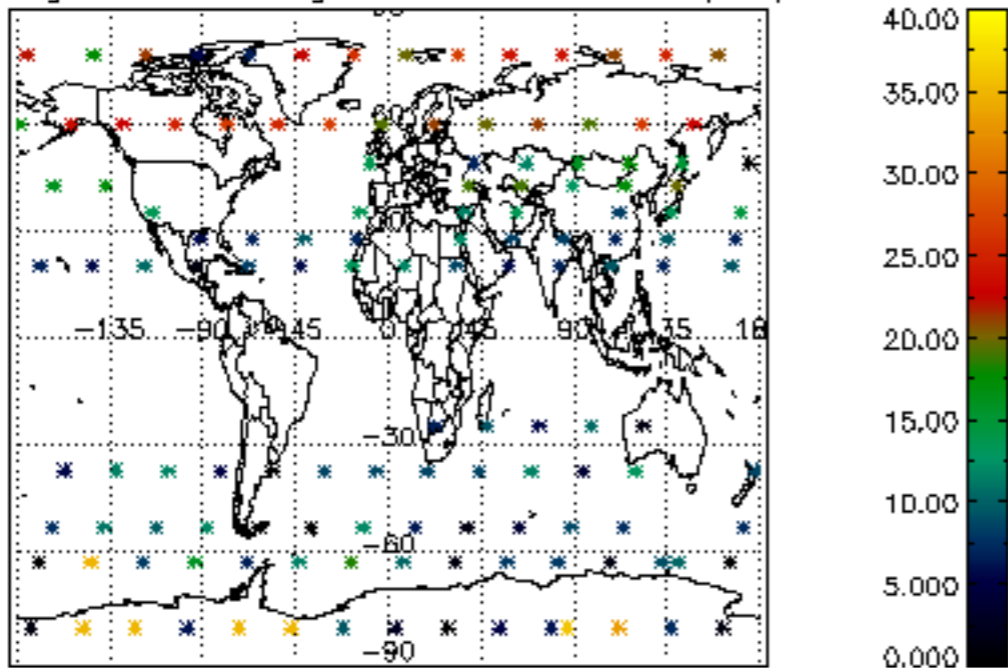
Percentage of cosmic ray hits per profile



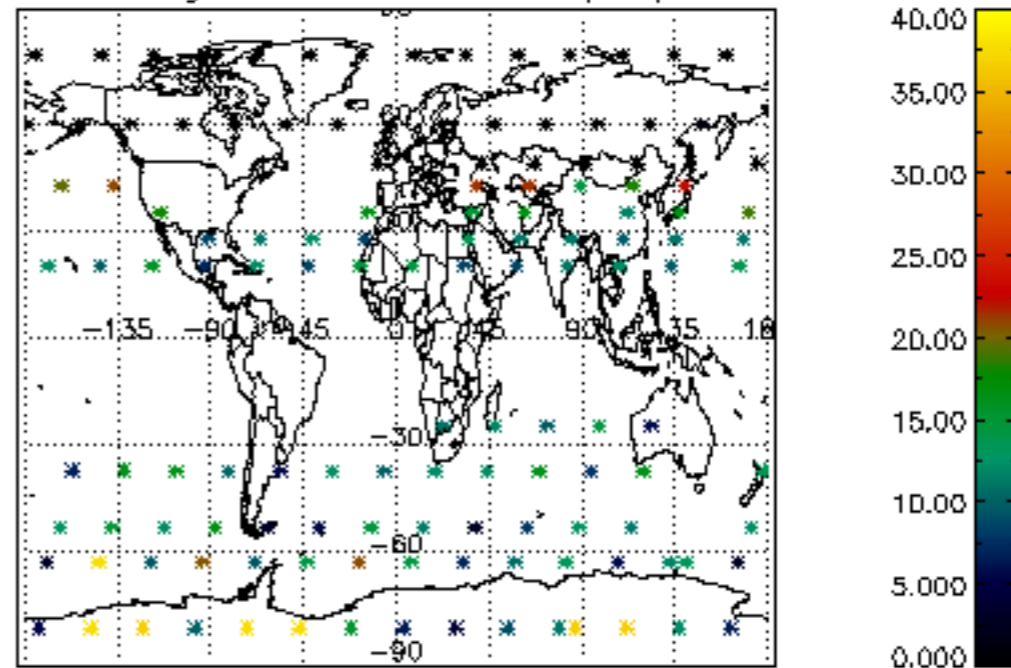
Percentage of datation errors per profile

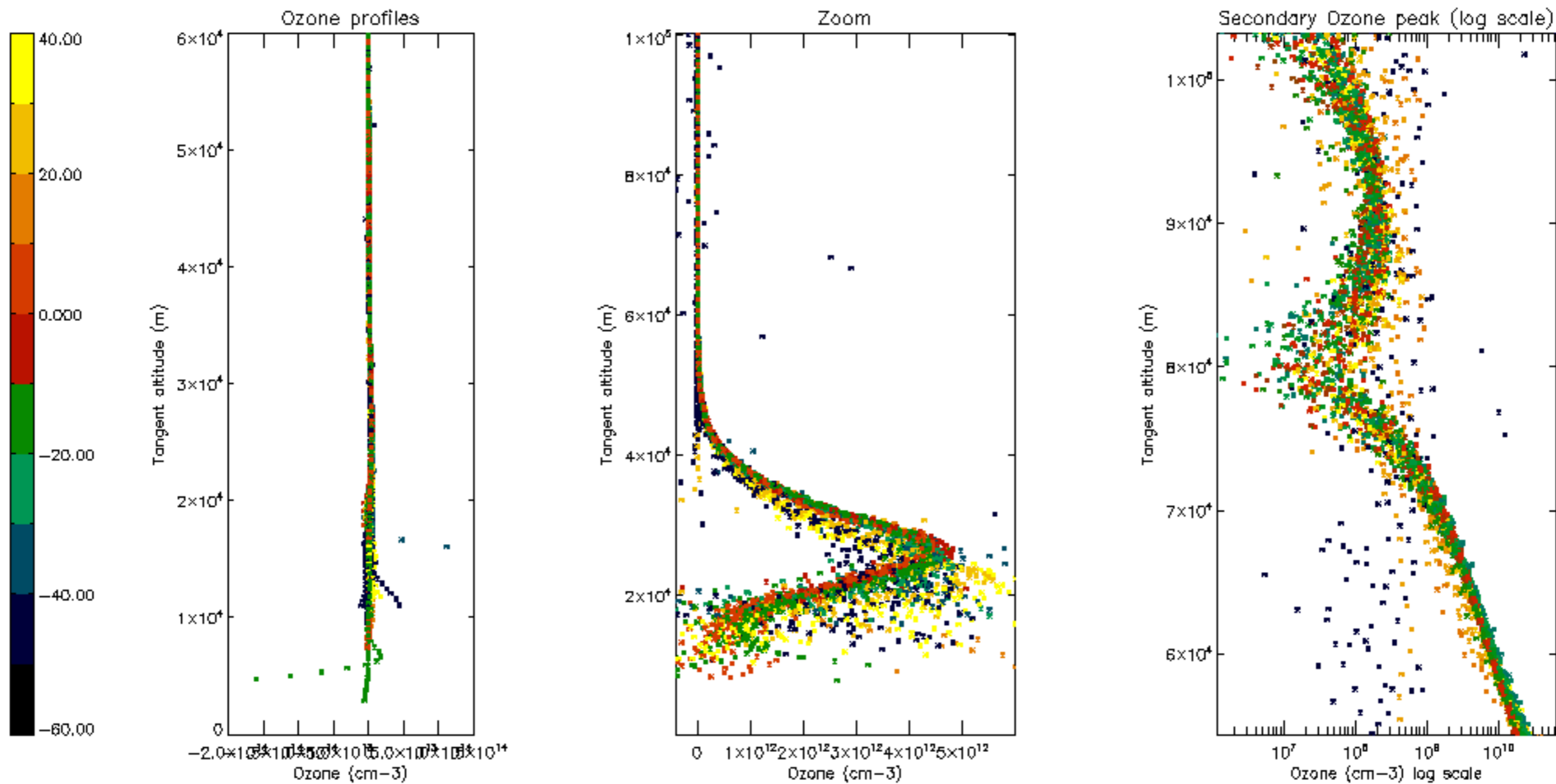


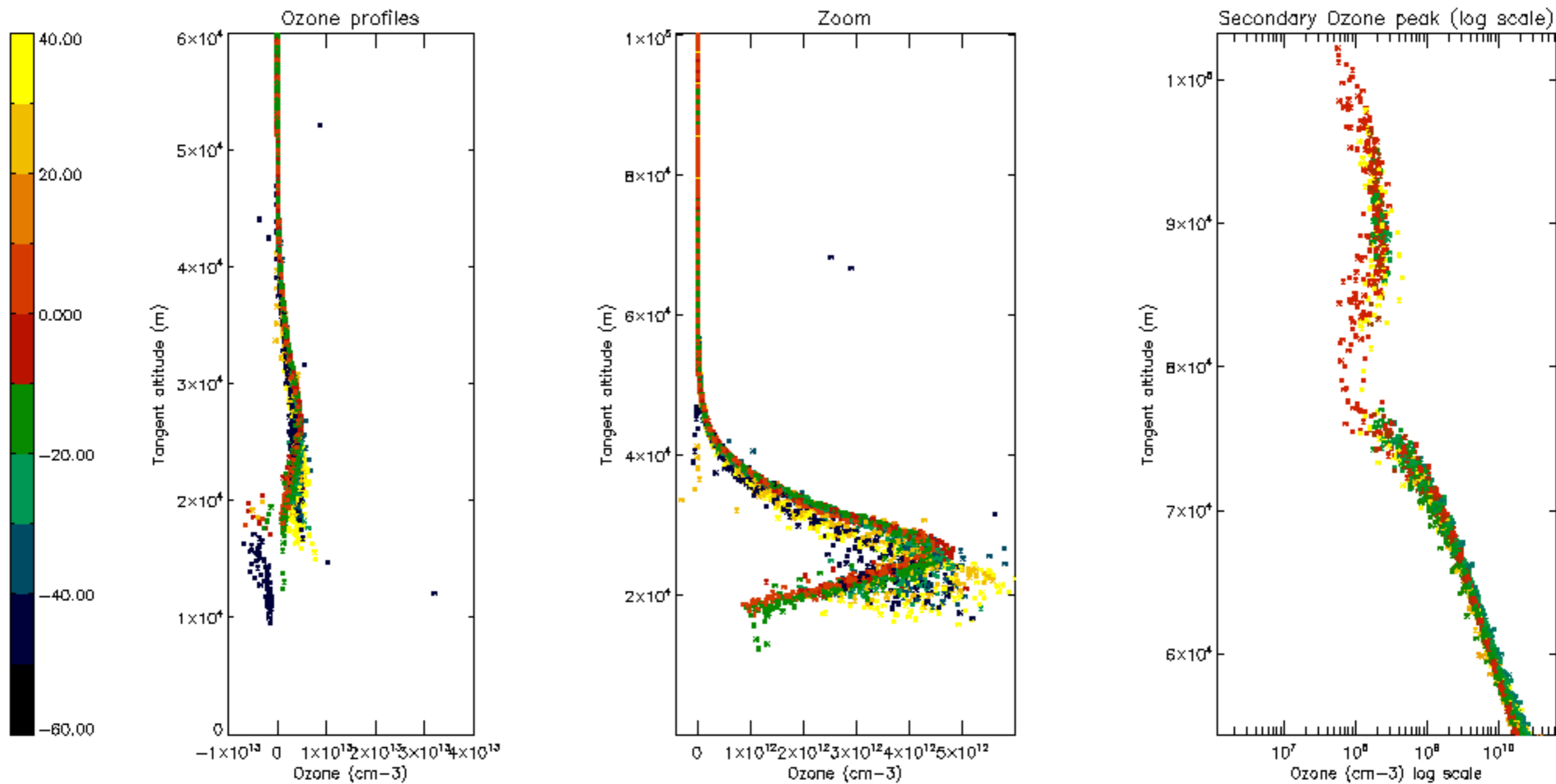
Percentage of star falling outside central band per profile

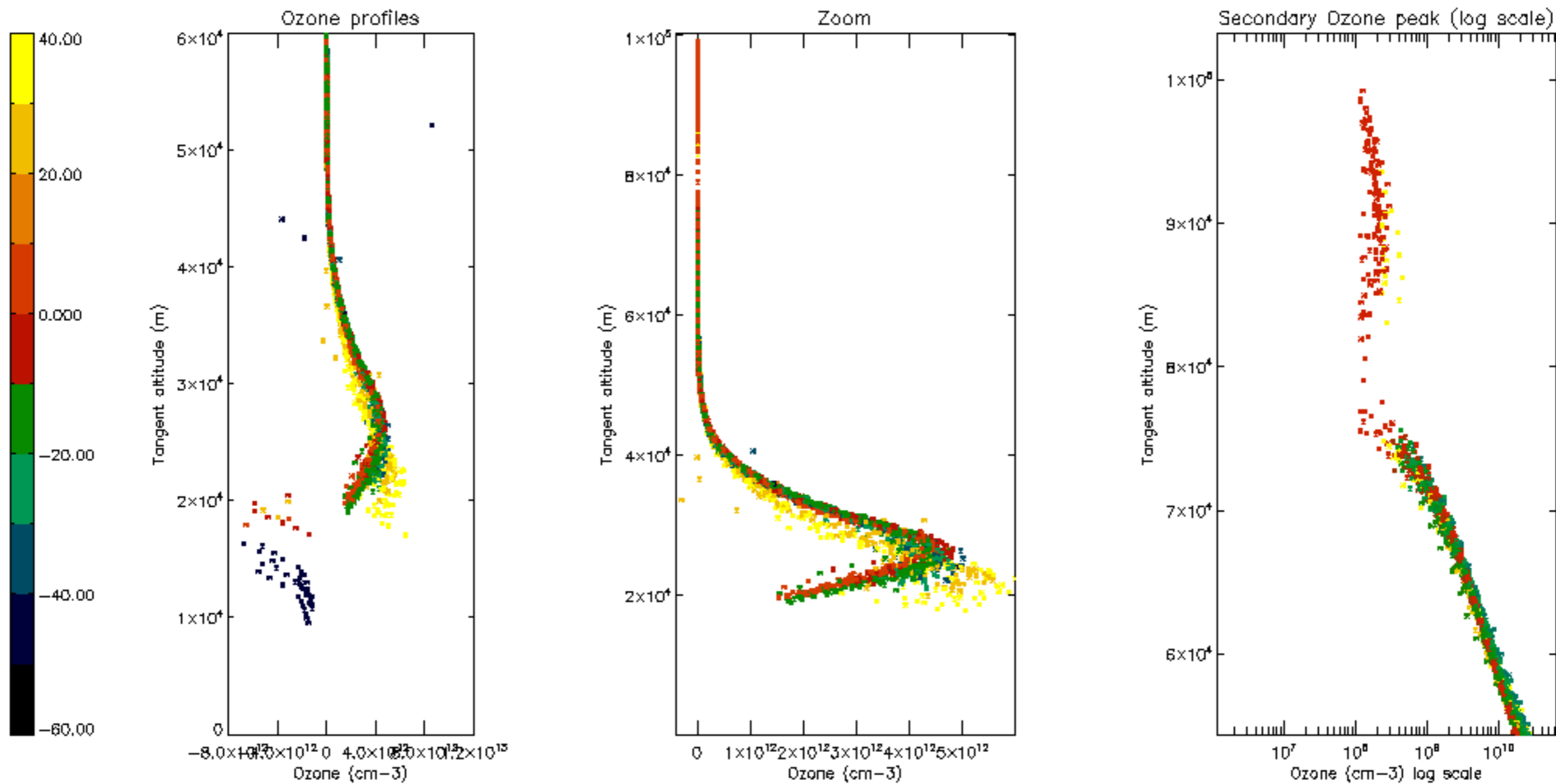


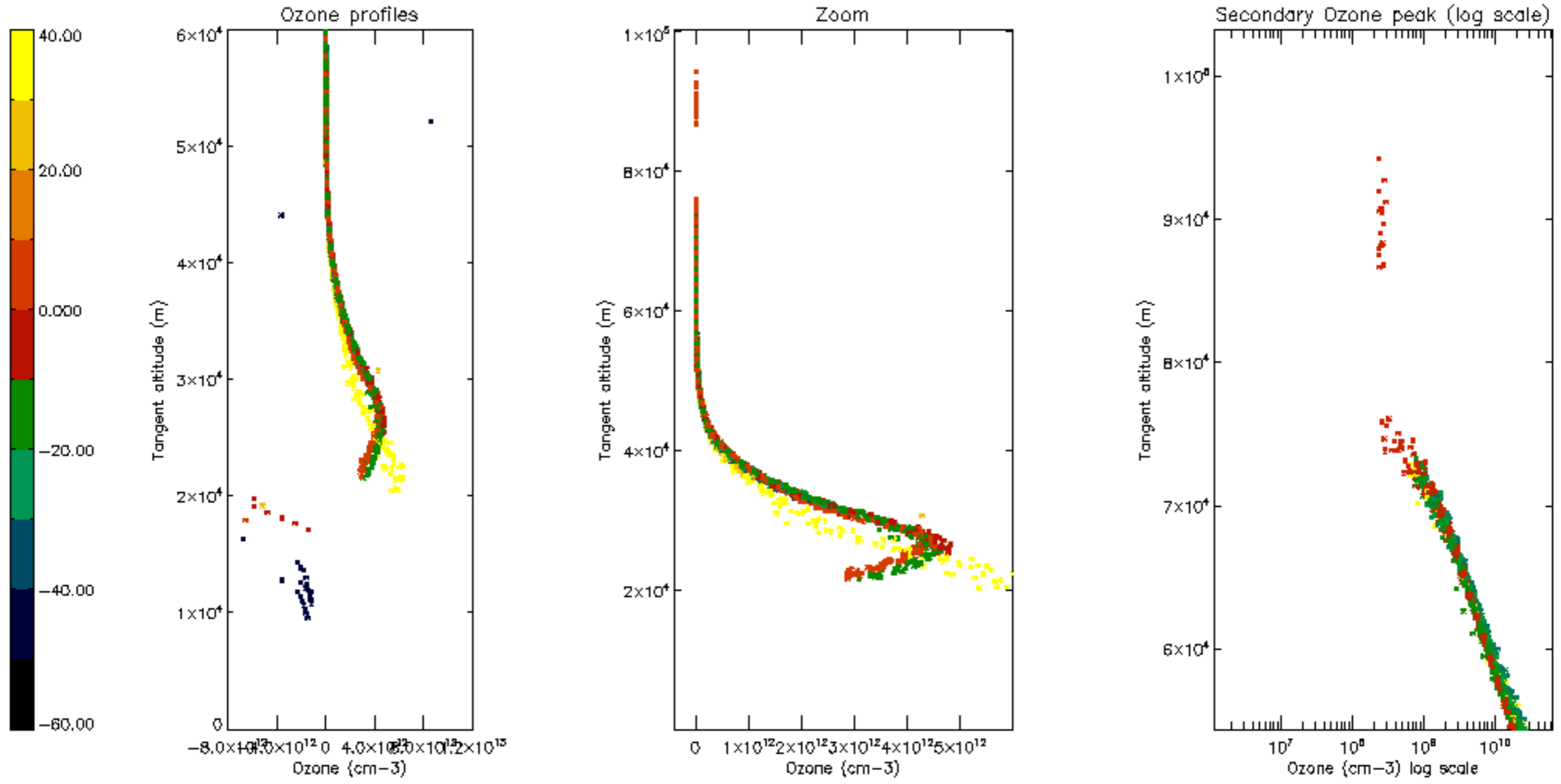
Percentage of saturation errors per profile

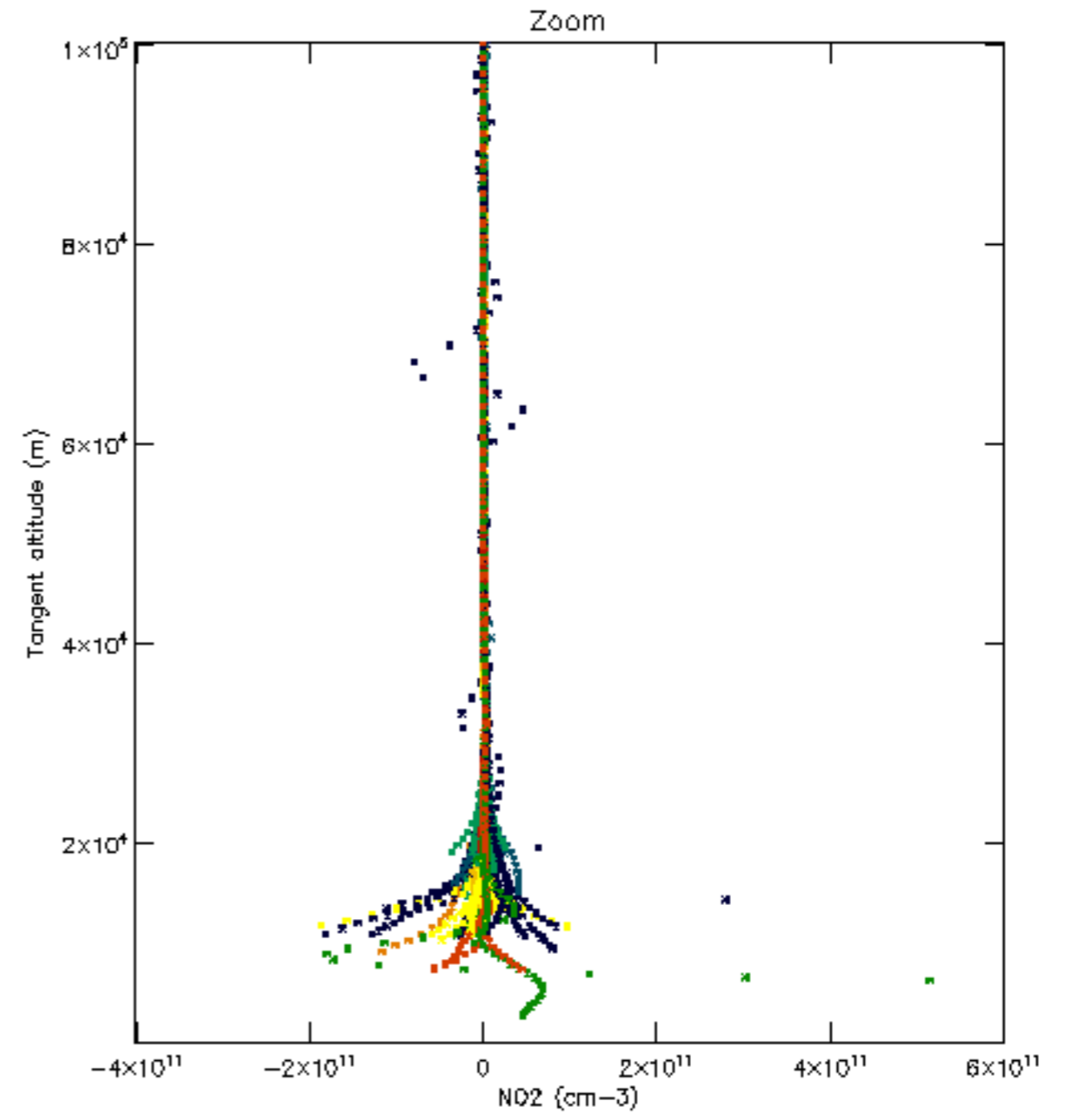
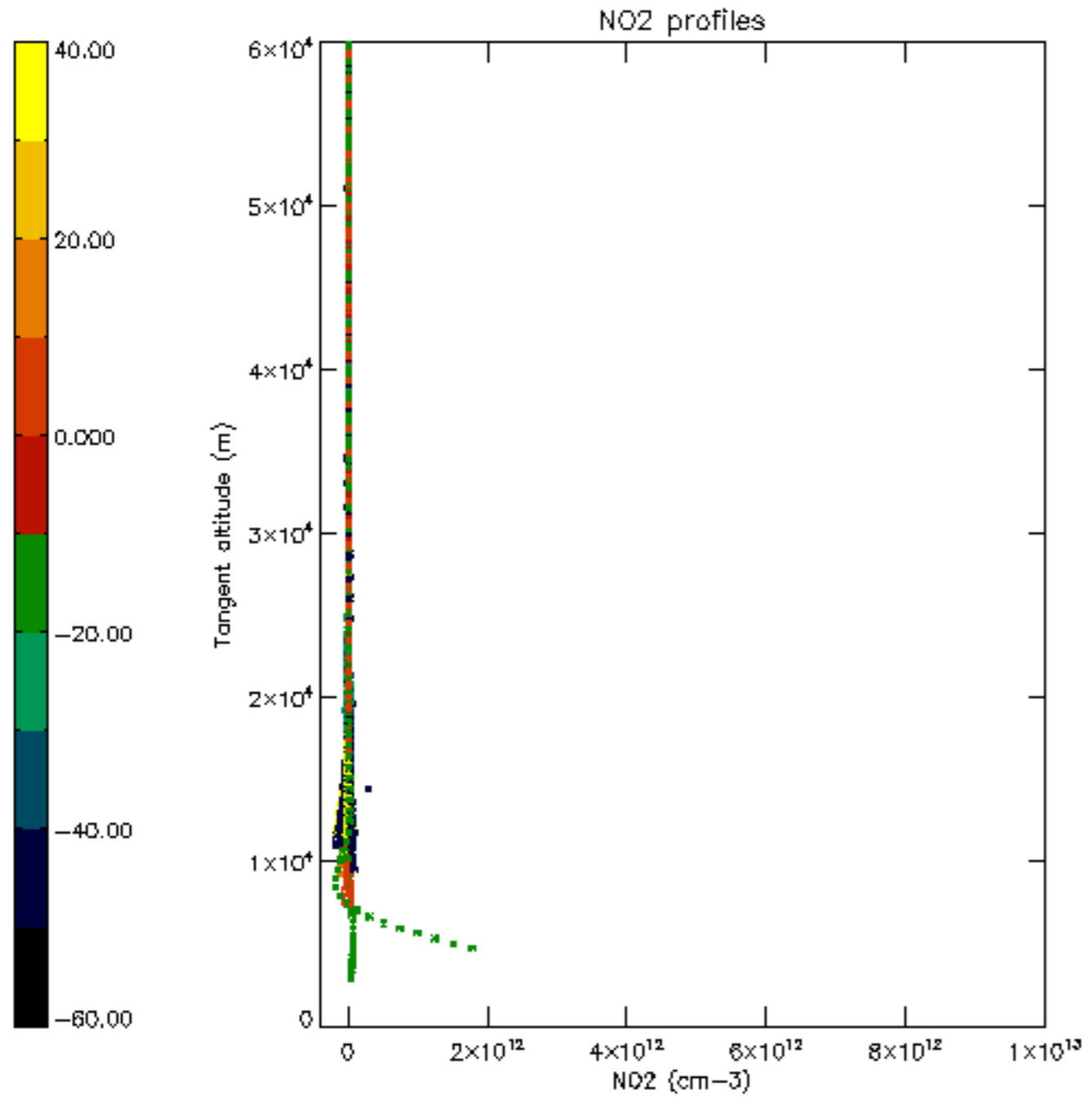


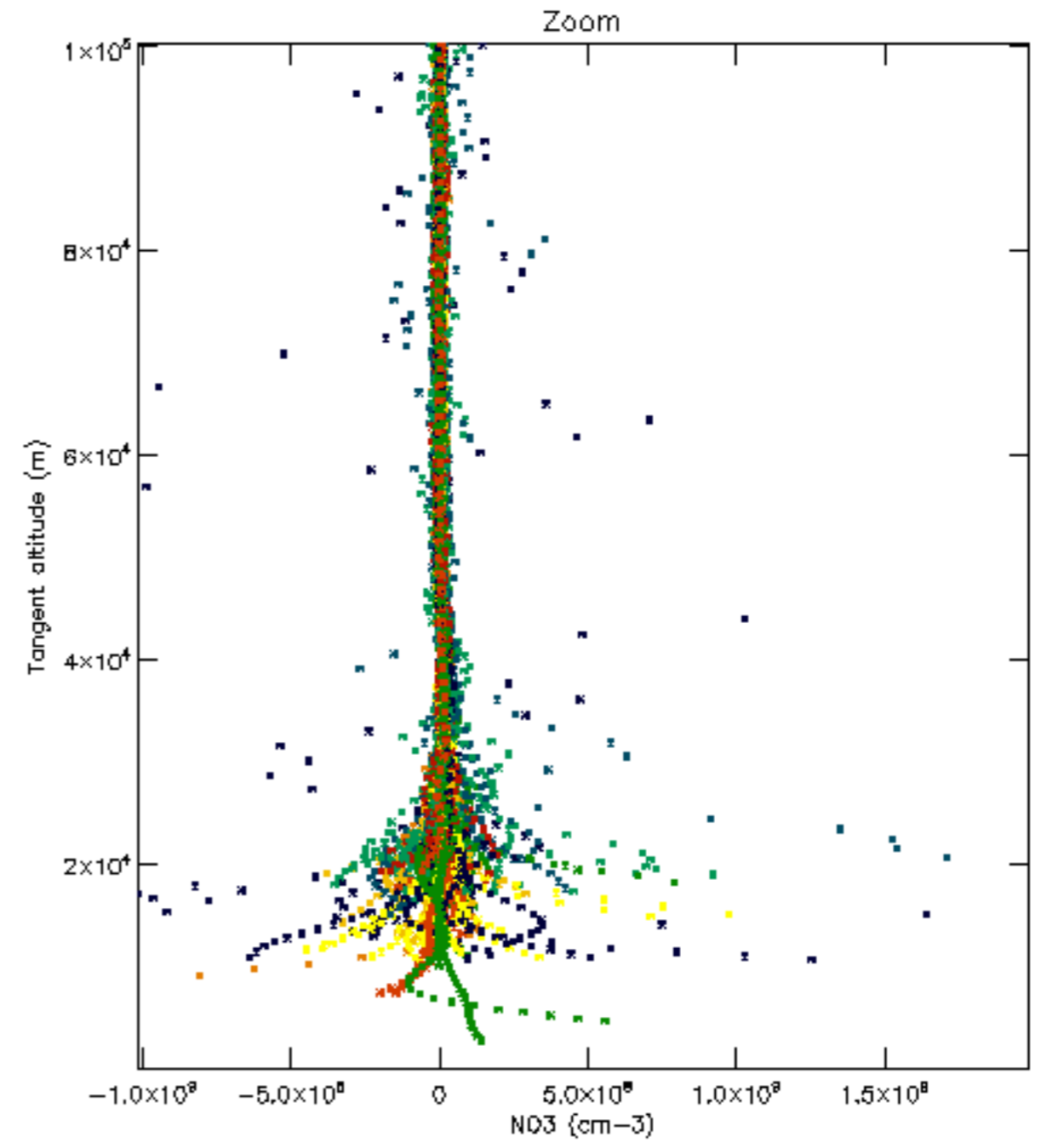
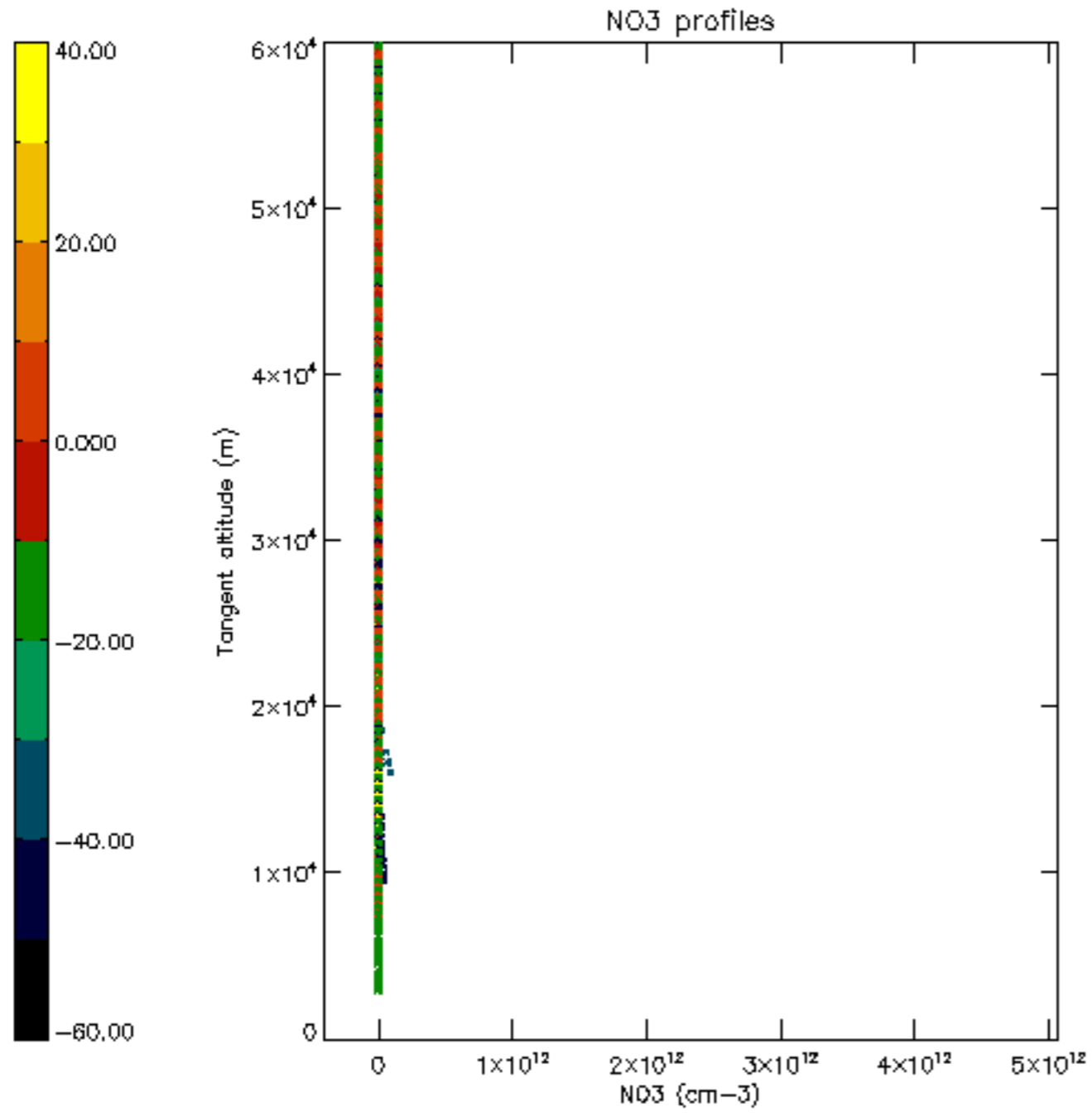


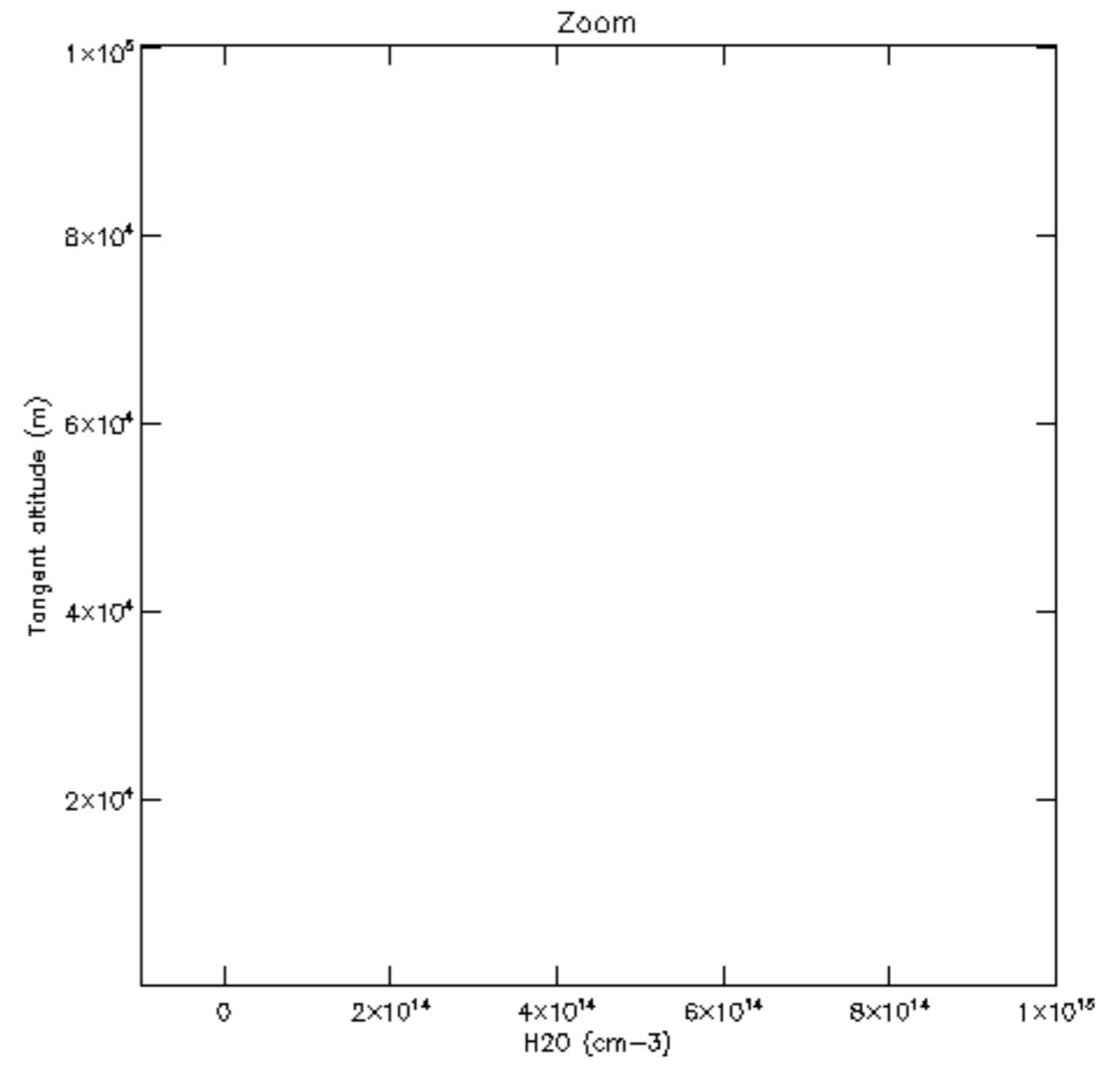
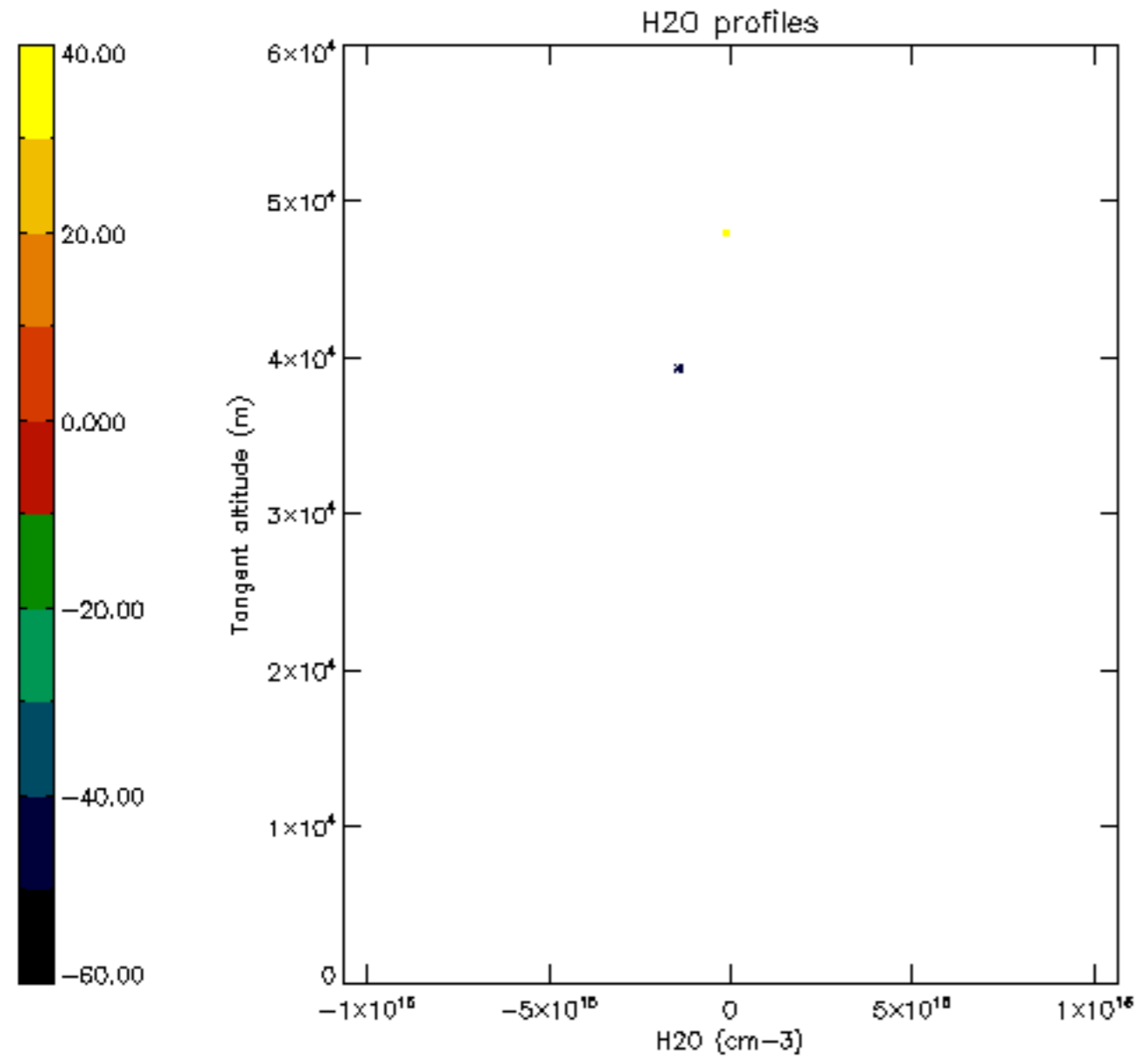


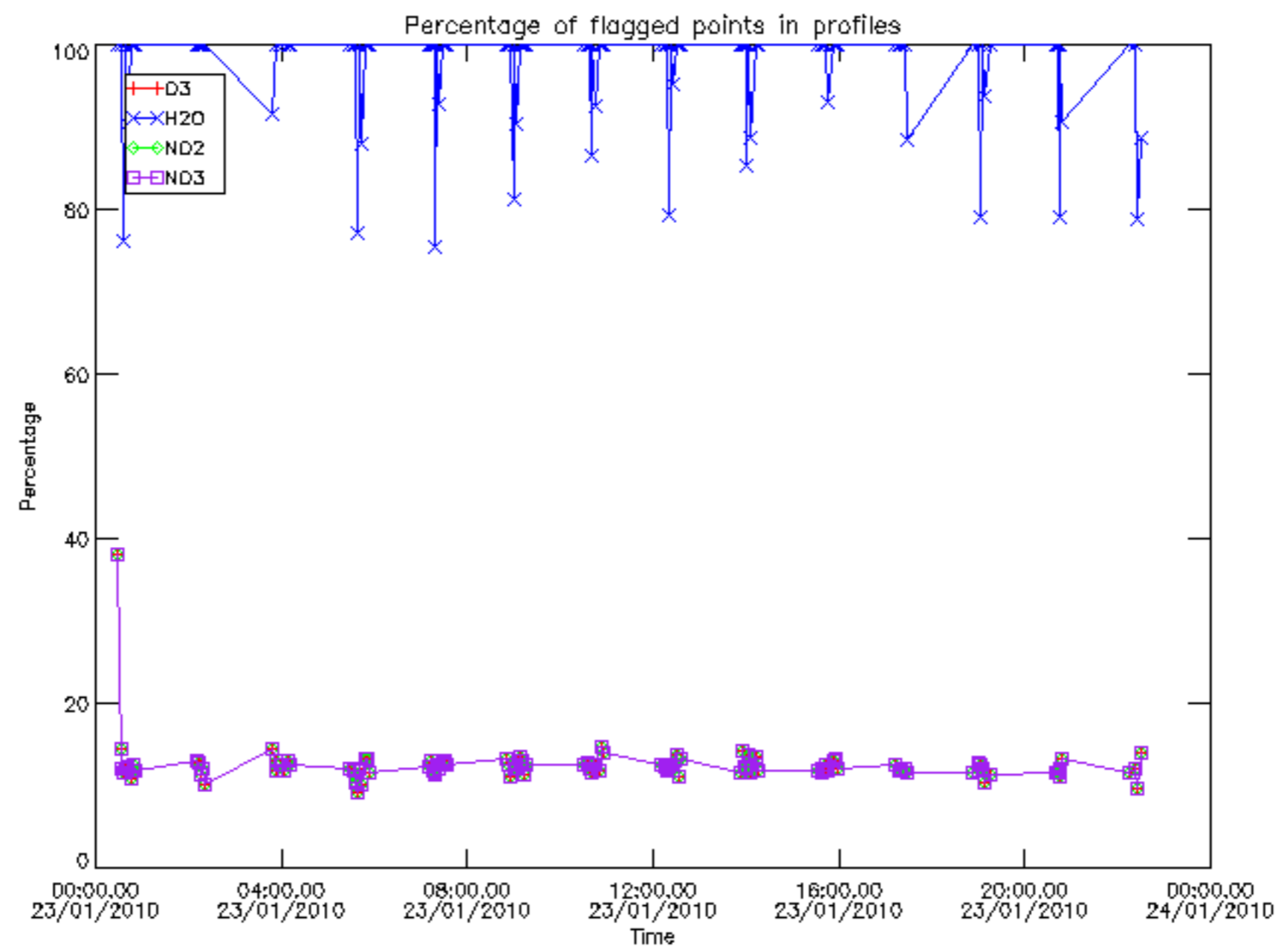




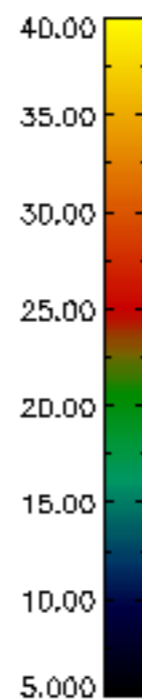
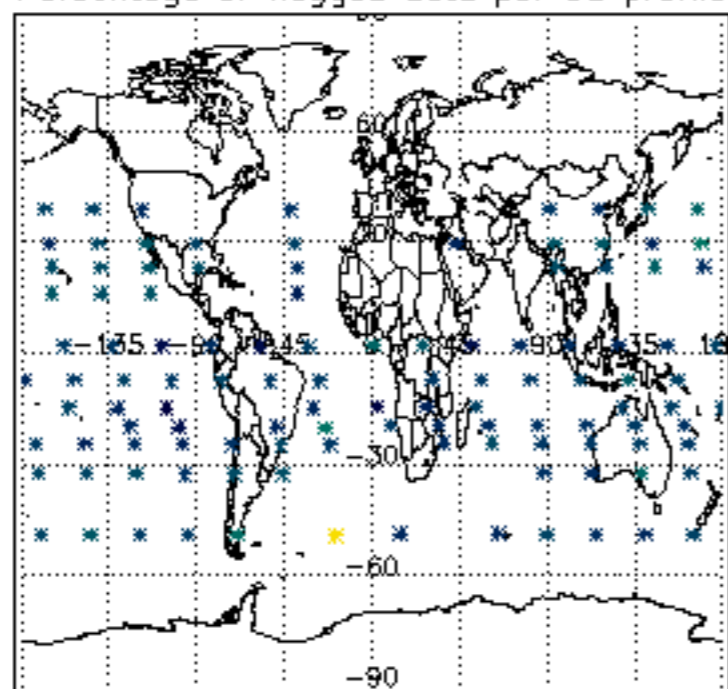




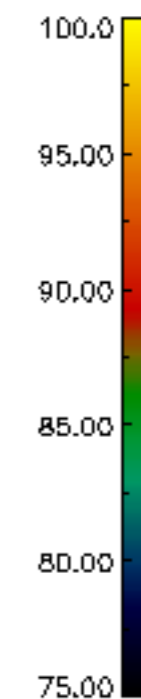
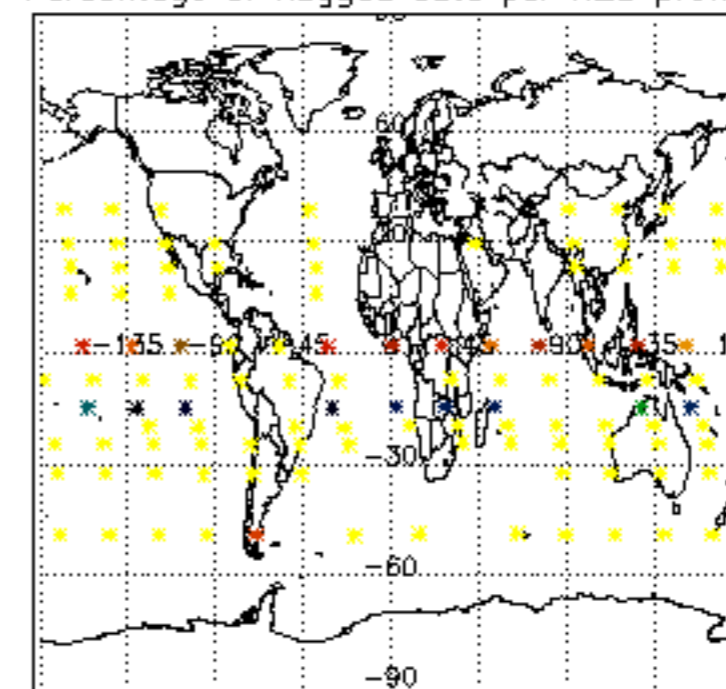




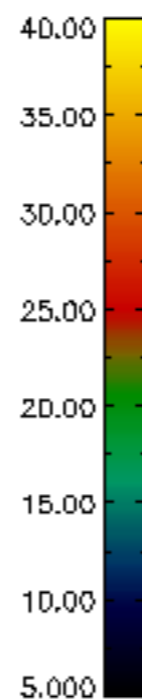
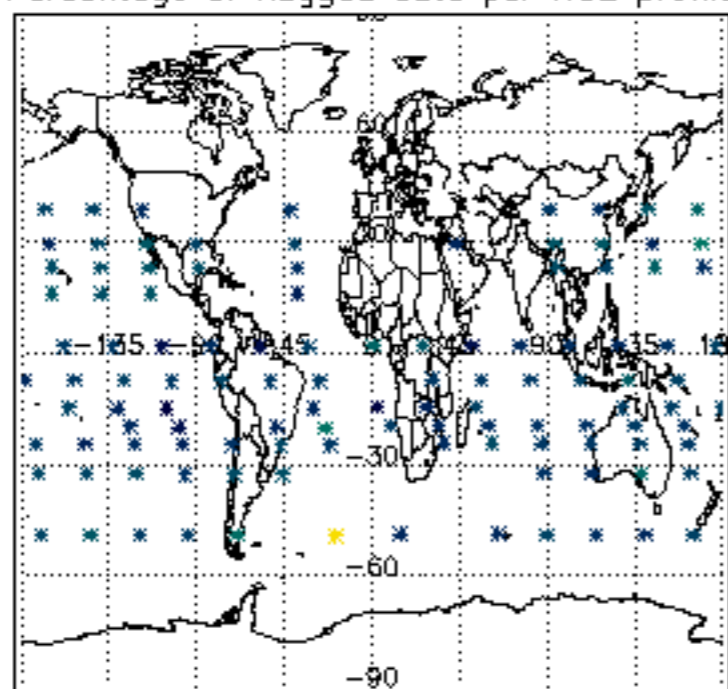
Percentage of flagged data per D3 profile



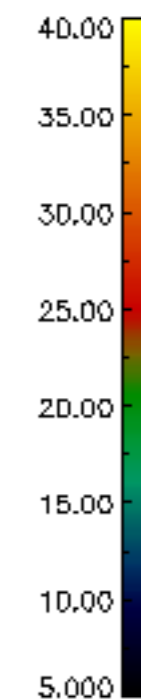
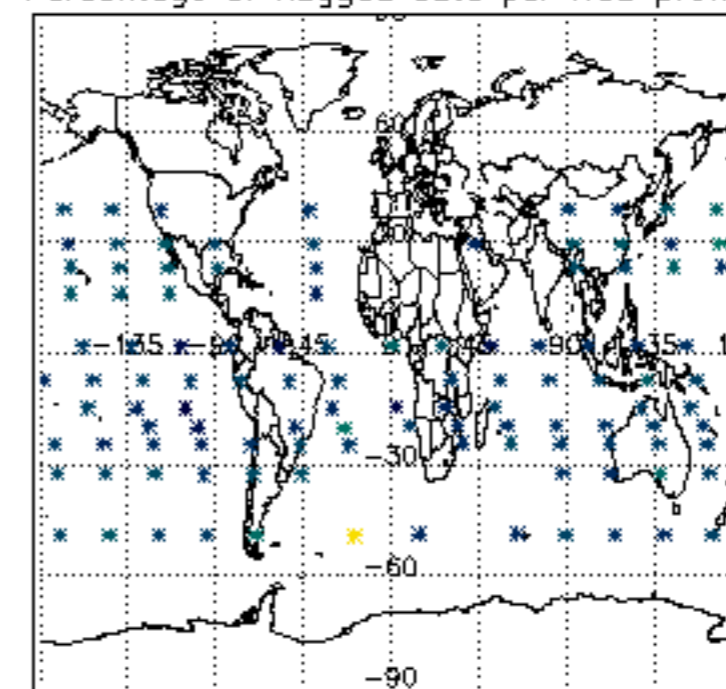
Percentage of flagged data per H2O profile

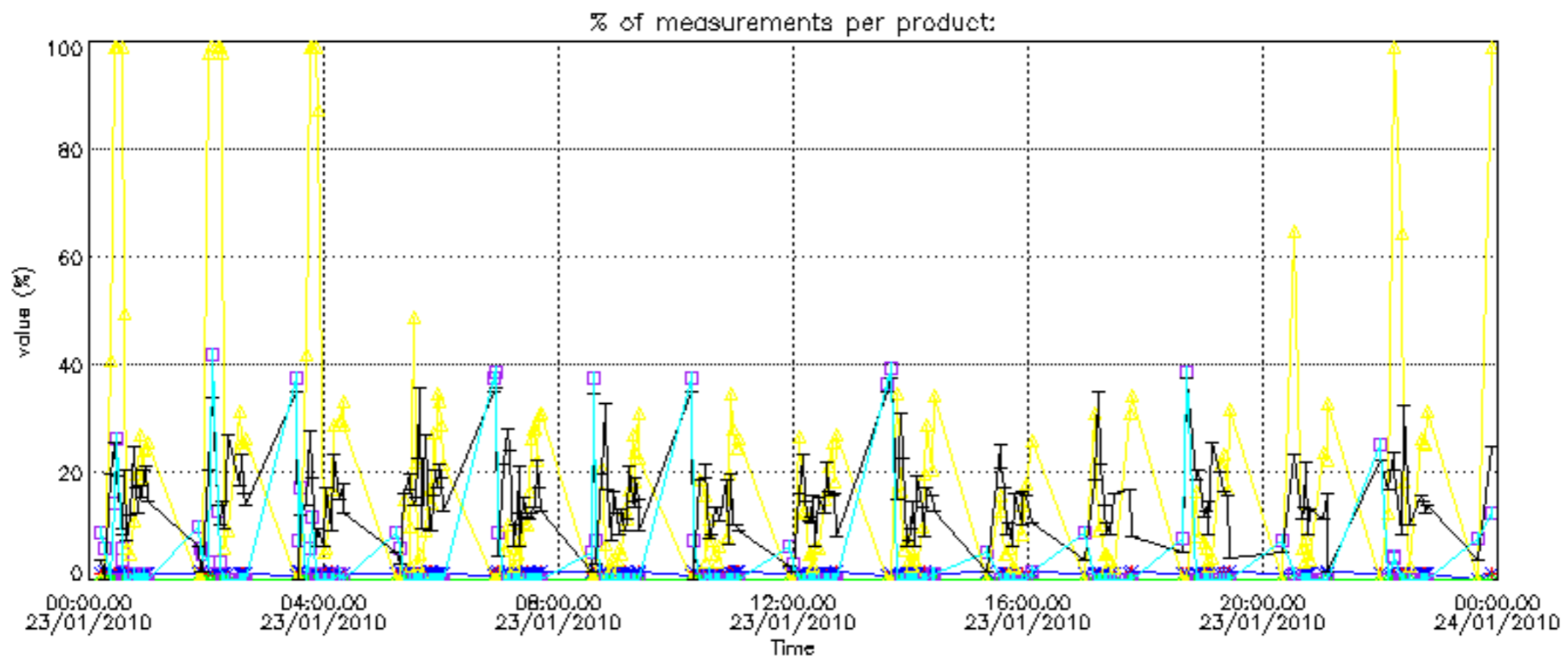


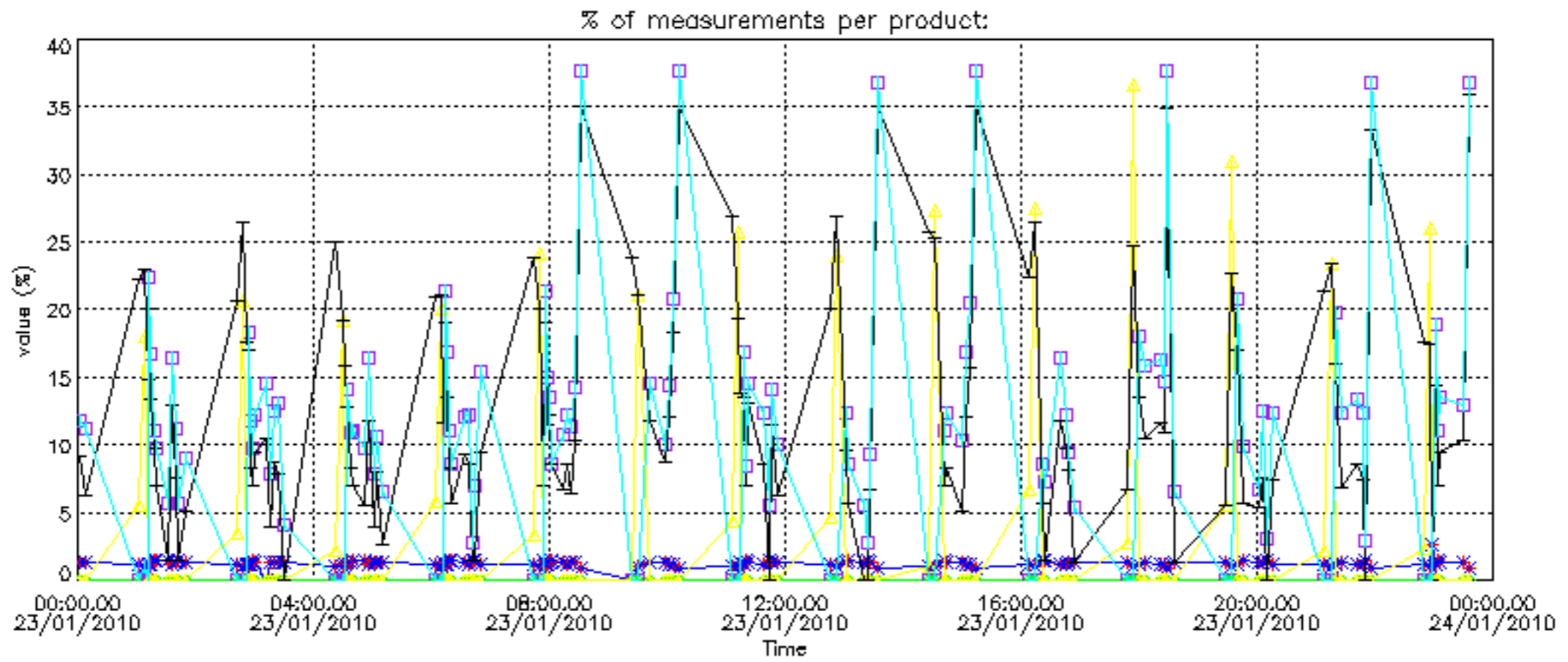
Percentage of flagged data per NO2 profile



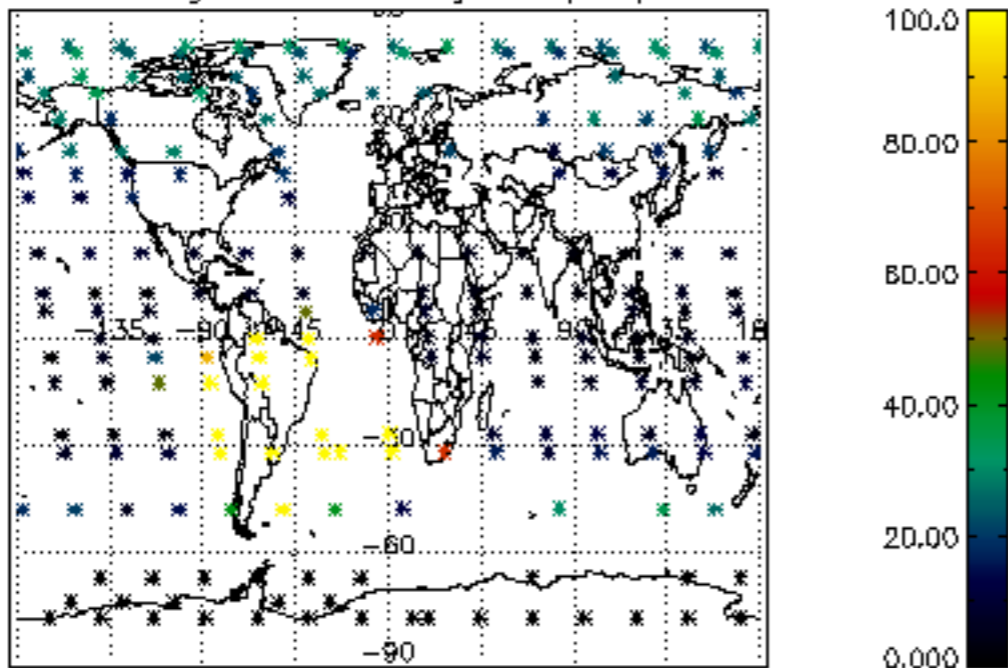
Percentage of flagged data per NO3 profile



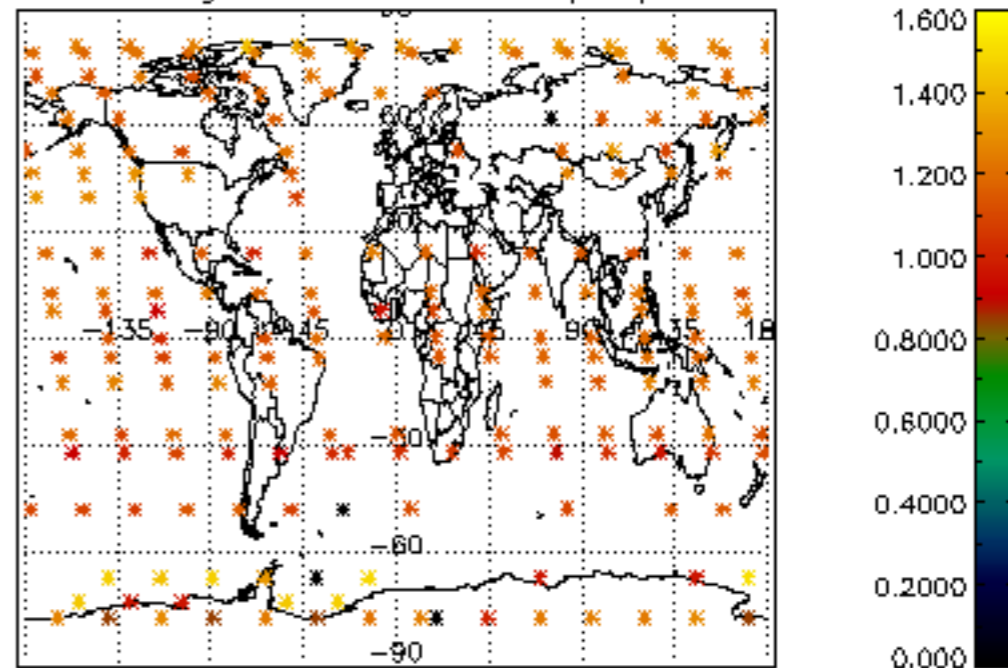




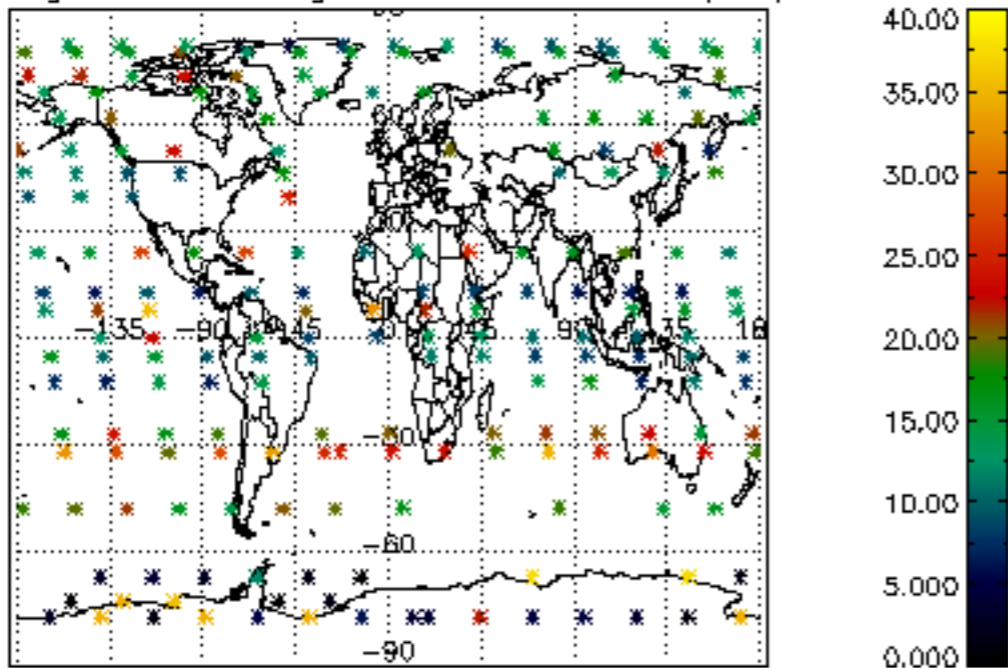
Percentage of cosmic ray hits per profile



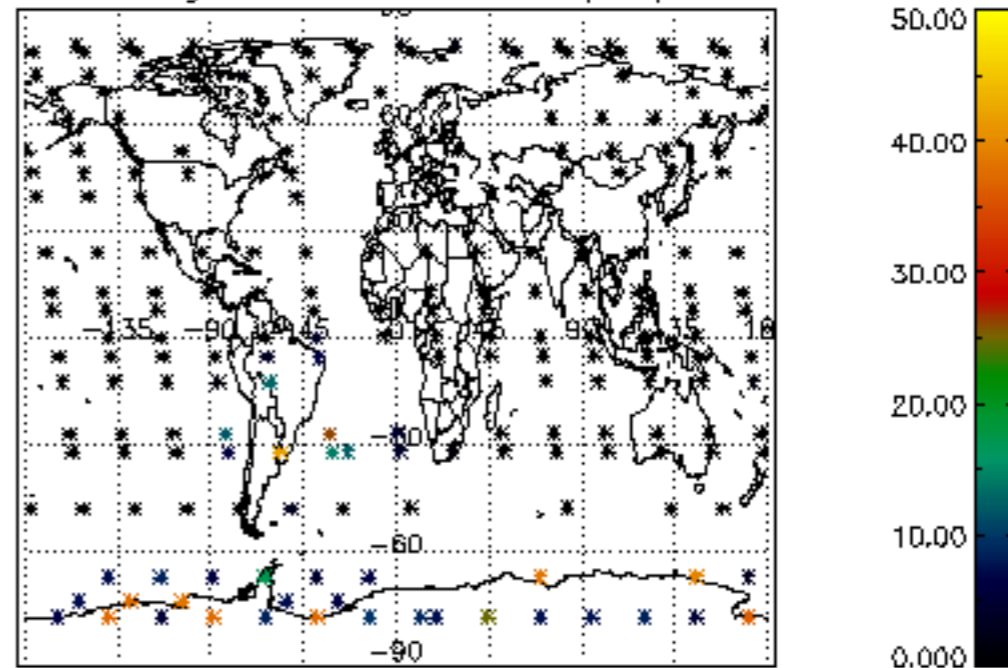
Percentage of datation errors per profile



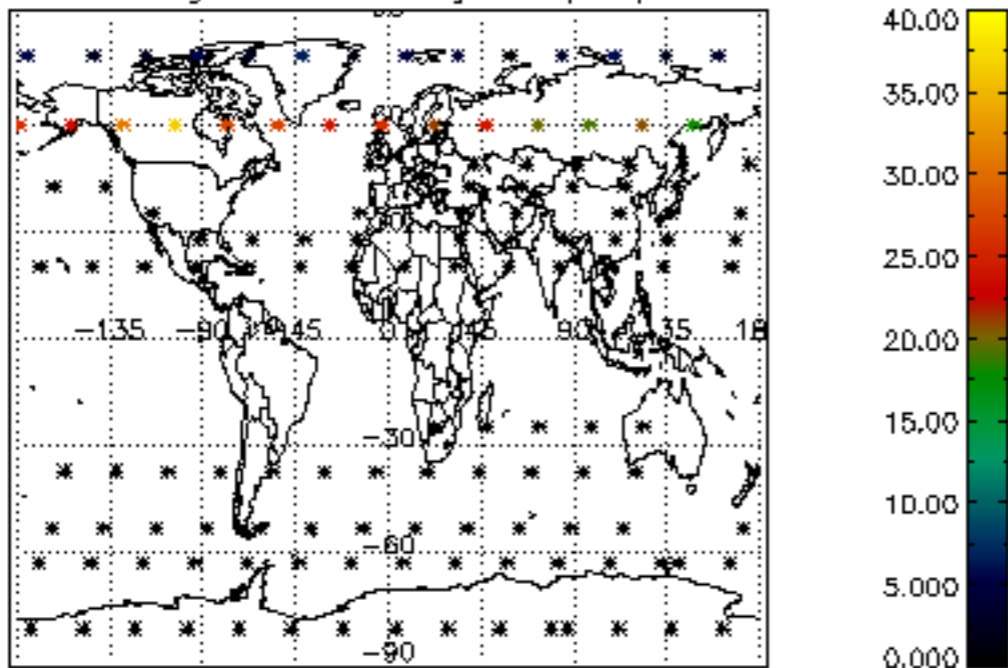
Percentage of star falling outside central band per profile



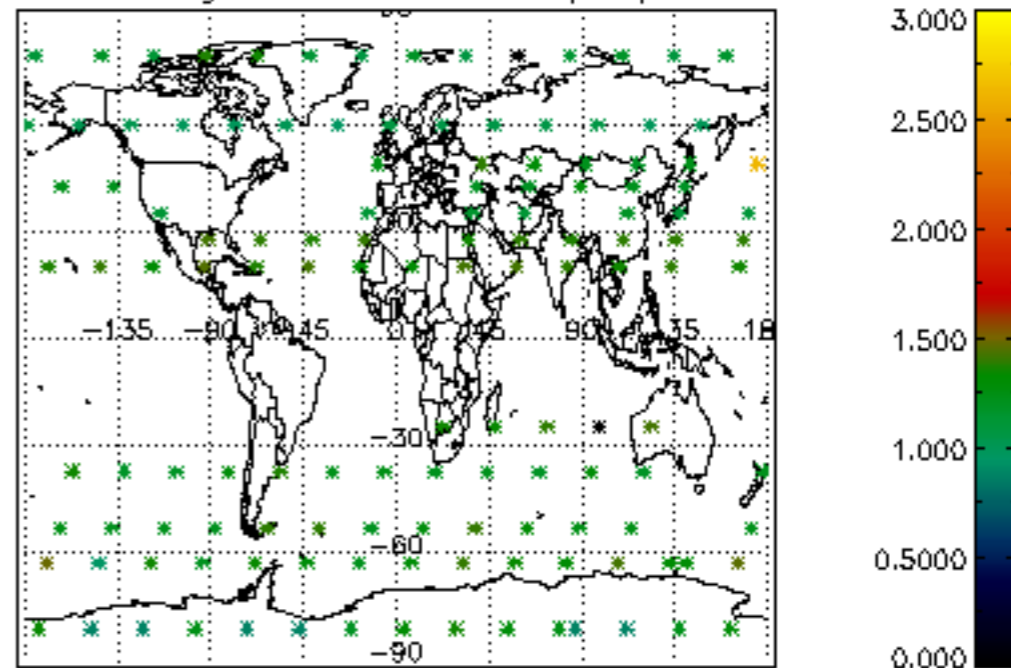
Percentage of saturation errors per profile



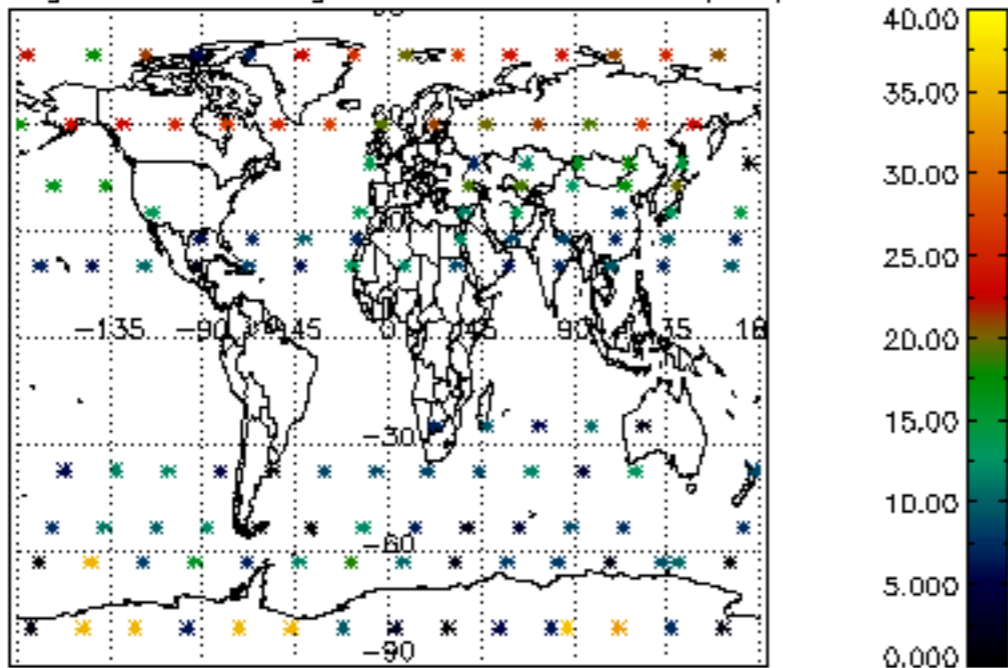
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

