

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	18APR2013 09:51:49
Data source version	GOMOS/6.01
Start time of products	25-06-2005 (25JUN2005 00:00:00)
Stop time of products	26-06-2005 (26JUN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	30
Nb of prods with errors	0

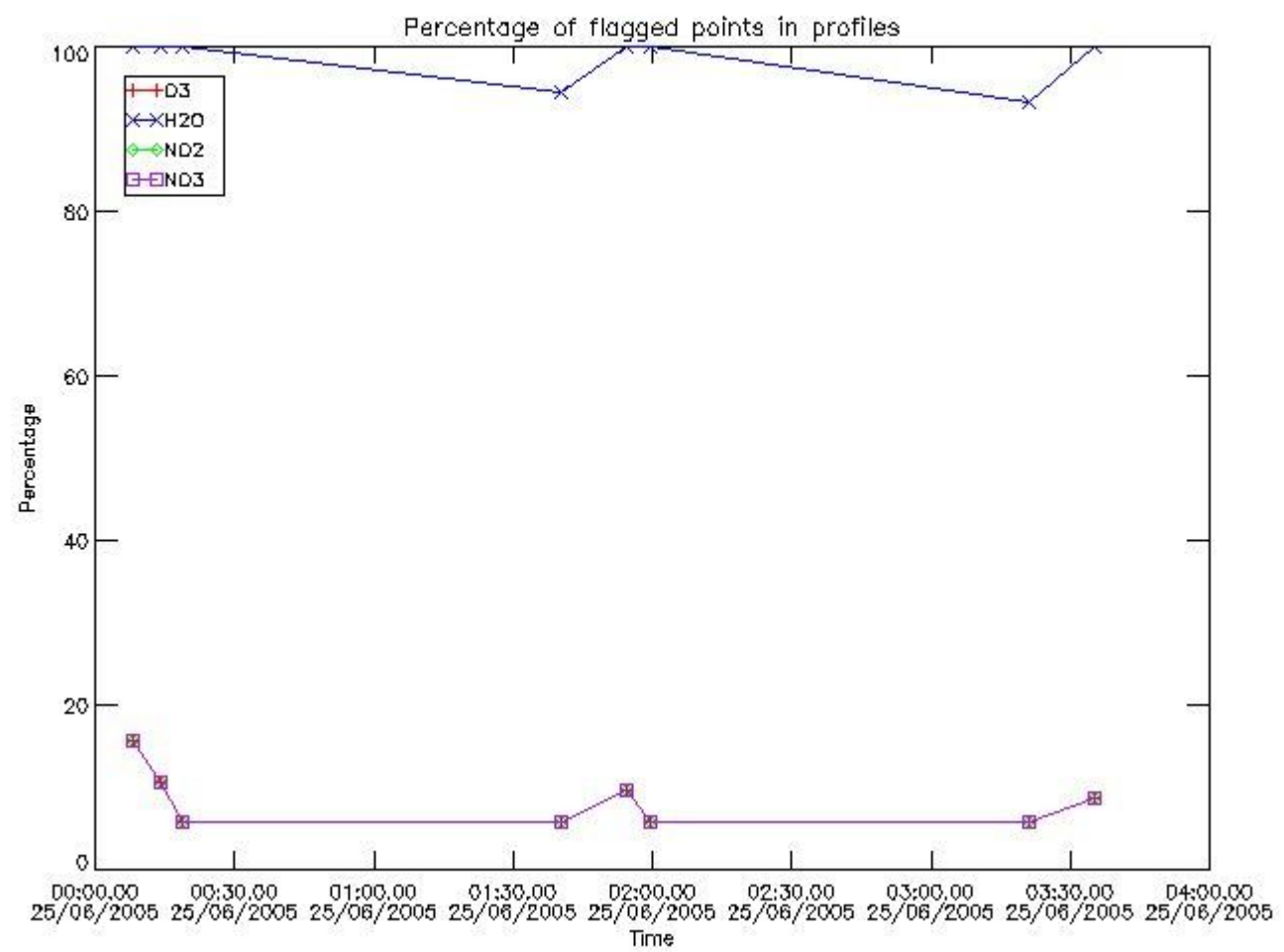
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050625_000756_000000912038_00259_17347_4733.N1	25-JUN-2005 00:07:56	Dark	90.500	157	The1Eri	2.9060	9300.0	181	17347	No
2	GOM_NL__2PRFIN20050625_001357_000000582038_00259_17347_4734.N1	25-JUN-2005 00:13:57	Dark	58.000	9	Alp Eri	0.45300	24000.	116	17347	No
3	GOM_NL__2PRFIN20050625_001859_000000872038_00260_17348_4720.N1	25-JUN-2005 00:18:59	Dark	87.000	135	Bet Hyi	2.8200	5800.0	174	17348	No
4	GOM_NL__2PRFIN20050625_002643_000000892038_00260_17348_4721.N1	25-JUN-2005 00:26:43	Straylight	88.500	43	Alp TrA	1.9100	4250.0	177	17348	No
5	GOM_NL__2PRFIN20050625_003000_000000922038_00260_17348_4722.N1	25-JUN-2005 00:30:00	Straylight	92.000	141	Bet Ara	2.8400	4600.0	184	17348	No
6	GOM_NL__2PRFIN20050625_003311_000000922038_00260_17348_4723.N1	25-JUN-2005 00:33:11	Twilight	92.000	40	The Sco	1.8590	7100.0	184	17348	No
7	GOM_NL__2PRFIN20050625_003611_000000952038_00260_17348_4724.N1	25-JUN-2005 00:36:11	Bright	94.500	75	26Eps Sco	2.2910	4250.0	189	17348	No
8	GOM_NL__2PRFIN20050625_003835_000000912038_00260_17348_4725.N1	25-JUN-2005 00:38:35	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17348	No
9	GOM_NL__2PRFIN20050625_004040_000000862038_00260_17348_4726.N1	25-JUN-2005 00:40:40	Bright	86.000	97	8Bet1Sco	2.5610	30000.	172	17348	No
10	GOM_NL__2PRFIN20050625_004255_000000872038_00260_17348_4727.N1	25-JUN-2005 00:42:55	Bright	87.000	98	13Zet Oph	2.5710	30000.	174	17348	No
11	GOM_NL__2PRFIN20050625_004502_000000872038_00260_17348_4728.N1	25-JUN-2005 00:45:02	Bright	86.500	120	1Del Oph	2.7340	3200.0	173	17348	No
12	GOM_NL__2PRFIN20050625_004812_000000872038_00260_17348_4729.N1	25-JUN-2005 00:48:12	Bright	87.000	102	24Alp Ser	2.6000	4250.0	174	17348	No
13	GOM_NL__2PRFIN20050625_005354_000000882038_00260_17348_4730.N1	25-JUN-2005 00:53:54	Bright	87.500	67	5Alp CrB	2.2210	11000.	175	17348	No
14	GOM_NL__2PRFIN20050625_010701_000000832038_00260_17348_4731.N1	25-JUN-2005 01:07:01	Bright	82.500	60	7Bet UMi	2.0810	3950.0	165	17348	No
15	GOM_NL__2PRFIN20050625_014022_000000902038_00260_17348_4732.N1	25-JUN-2005 01:40:22	Dark	90.000	165	34Gam Eri	2.9500	3200.0	180	17348	No
16	GOM_NL__2PRFIN20050625_015433_000000582038_00260_17348_4733.N1	25-JUN-2005 01:54:33	Dark	58.000	9	Alp Eri	0.45300	24000.	116	17348	No
17	GOM_NL__2PRFIN20050625_015935_000000872038_00261_17349_4720.N1	25-JUN-2005 01:59:35	Dark	87.000	135	Bet Hyi	2.8200	5800.0	174	17349	No
18	GOM_NL__2PRFIN20050625_020719_000000912038_00261_17349_4721.N1	25-JUN-2005 02:07:19	Straylight	90.500	43	Alp TrA	1.9100	4250.0	181	17349	No
19	GOM_NL__2PRFIN20050625_021036_000000902038_00261_17349_4722.N1	25-JUN-2005 02:10:36	Straylight	90.000	141	Bet Ara	2.8400	4600.0	180	17349	No
20	GOM_NL__2PRFIN20050625_021347_000000912038_00261_17349_4723.N1	25-JUN-2005 02:13:47	Twilight	90.500	40	The Sco	1.8590	7100.0	181	17349	No
21	GOM_NL__2PRFIN20050625_021648_000000932038_00261_17349_4724.N1	25-JUN-2005 02:16:48	Bright	92.500	75	26Eps Sco	2.2910	4250.0	185	17349	No
22	GOM_NL__2PRFIN20050625_021911_000000912038_00261_17349_4725.N1	25-JUN-2005 02:19:11	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17349	No
23	GOM_NL__2PRFIN20050625_022116_000000872038_00261_17349_4726.N1	25-JUN-2005 02:21:16	Bright	87.000	97	8Bet1Sco	2.5610	30000.	174	17349	No
24	GOM_NL__2PRFIN20050625_022331_000000872038_00261_17349_4727.N1	25-JUN-2005 02:23:31	Bright	87.000	98	13Zet Oph	2.5710	30000.	174	17349	No
25	GOM_NL__2PRFIN20050625_022538_000000872038_00261_17349_4728.N1	25-JUN-2005 02:25:38	Bright	86.500	120	1Del Oph	2.7340	3200.0	173	17349	No
26	GOM_NL__2PRFIN20050625_022848_000000862038_00261_17349_4729.N1	25-JUN-2005 02:28:48	Bright	86.000	102	24Alp Ser	2.6000	4250.0	172	17349	No
27	GOM_NL__2PRFIN20050625_023430_000000842038_00261_17349_4730.N1	25-JUN-2005 02:34:30	Bright	84.000	67	5Alp CrB	2.2210	11000.	168	17349	No
28	GOM_NL__2PRFIN20050625_024737_000000842038_00261_17349_4731.N1	25-JUN-2005 02:47:37	Bright	84.000	60	7Bet UMi	2.0810	3950.0	168	17349	No
29	GOM_NL__2PRFIN20050625_032058_000000892038_00261_17349_4732.N1	25-JUN-2005 03:20:58	Dark	88.500	165	34Gam Eri	2.9500	3200.0	177	17349	No
30	GOM_NL__2PRFIN20050625_033510_000000582038_00261_17349_4733.N1	25-JUN-2005 03:35:10	Dark	57.500	9	Alp Eri	0.45300	24000.	115	17349	No

3. Quality information per product

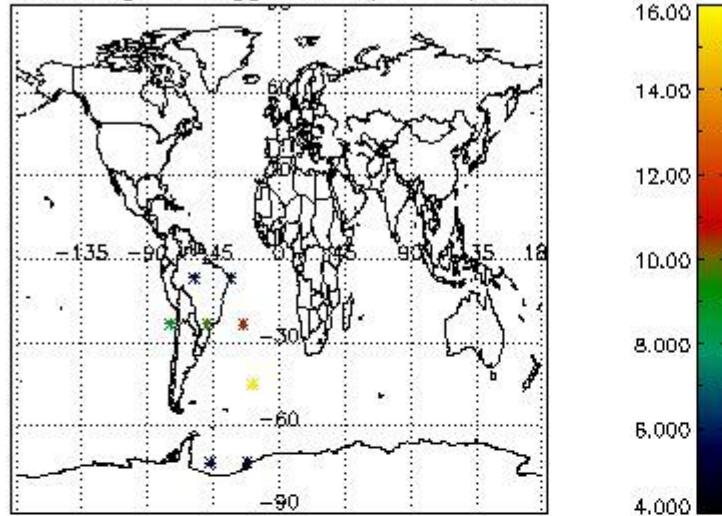
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

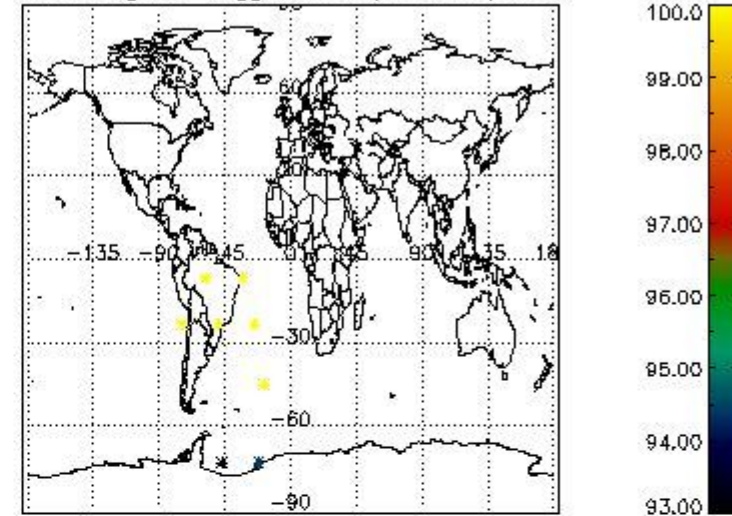


3.2 Plot quality information per product (world map)

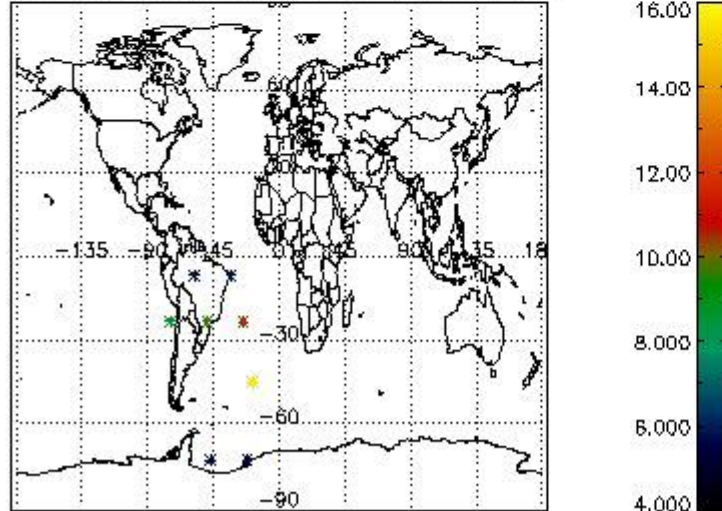
Percentage of flagged data per O3 profile



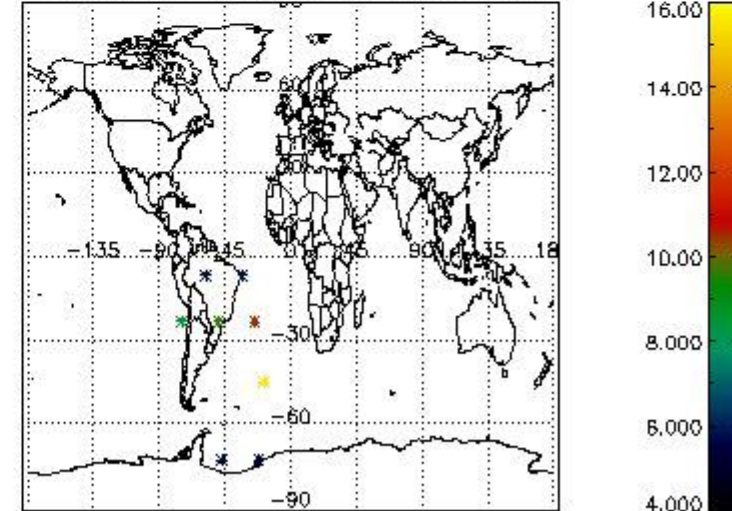
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

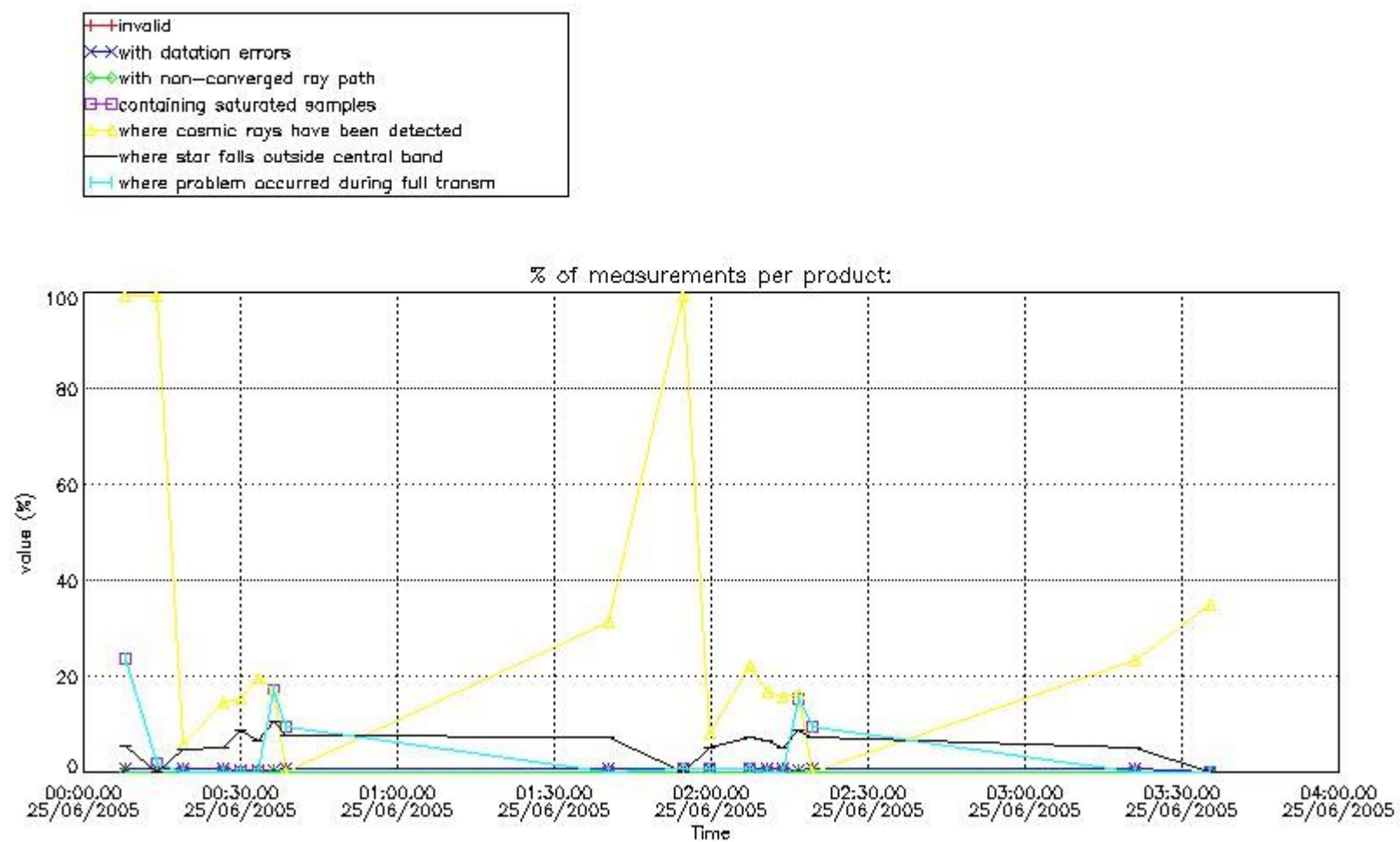


4. Level 1 quality information per product

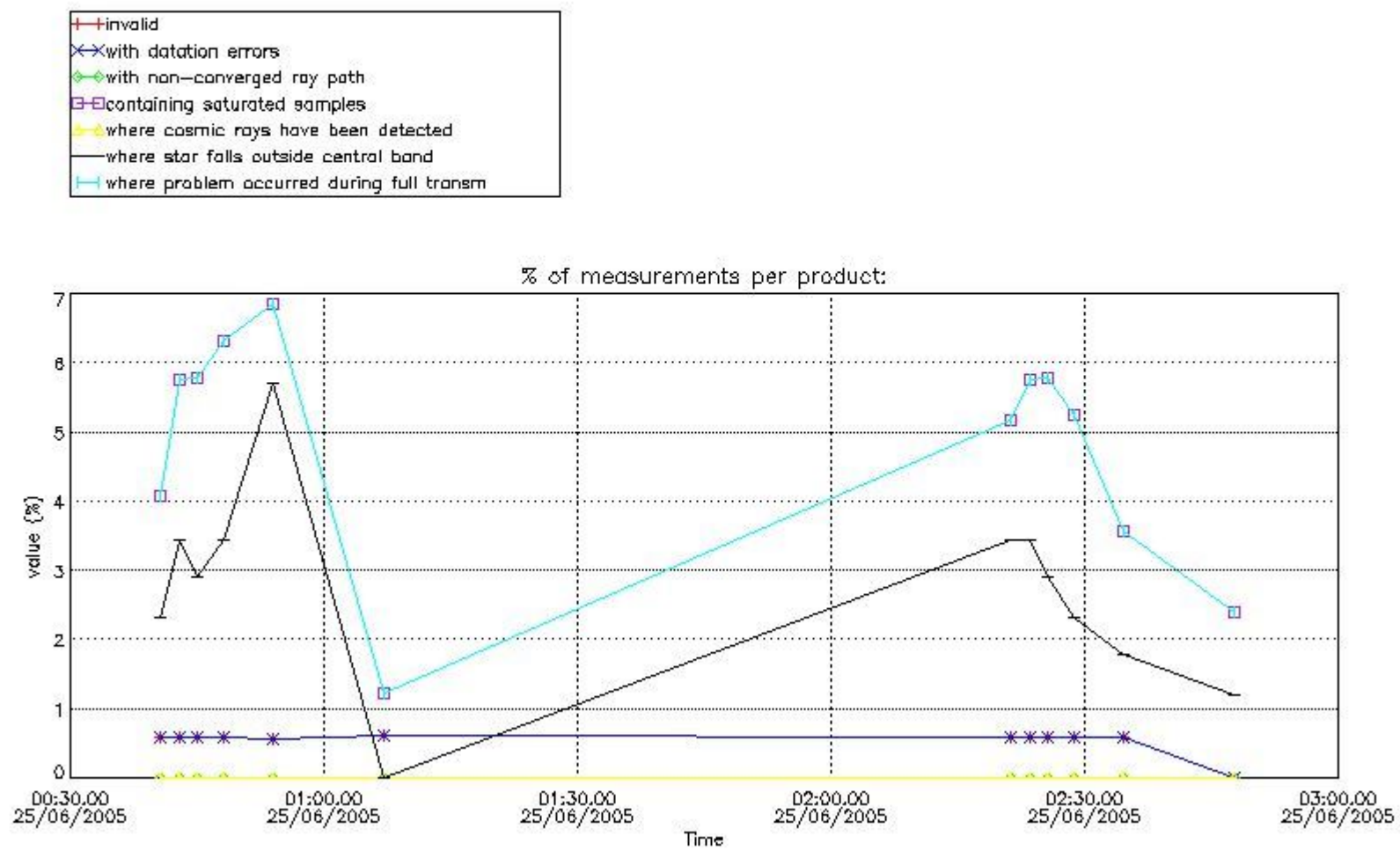
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



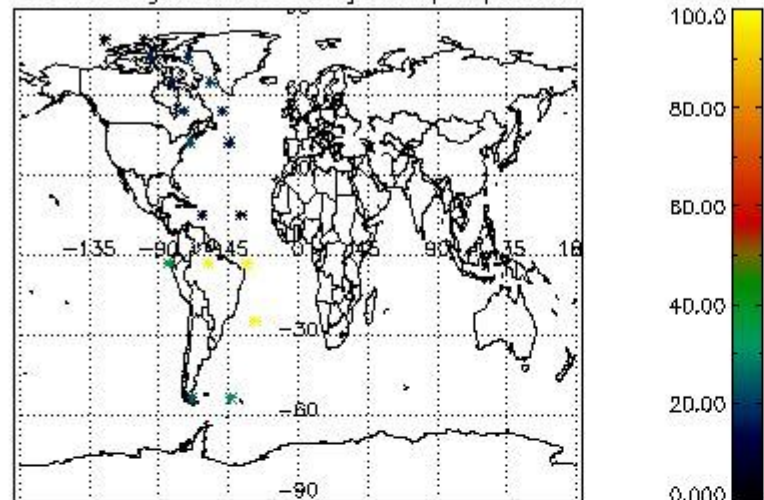
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



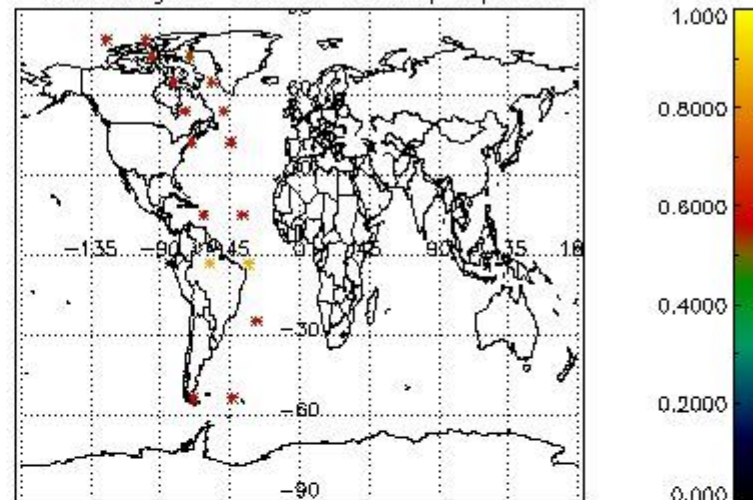
4.2 Plot quality information per product coming from level 1b processing (world map)

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

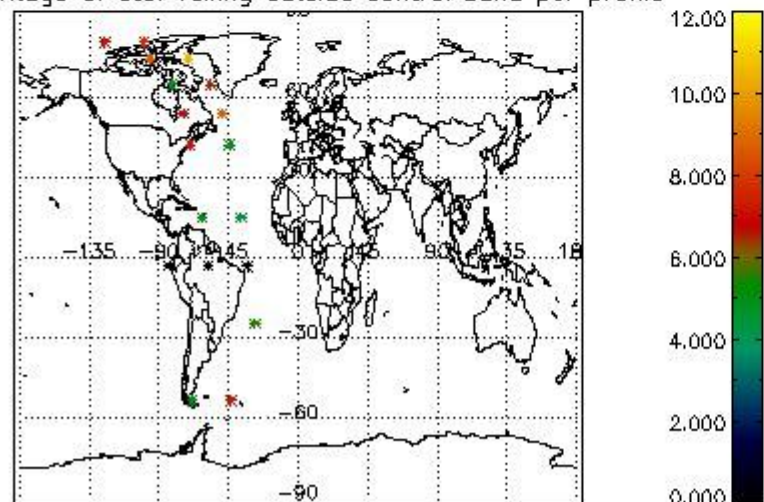
Percentage of cosmic ray hits per profile



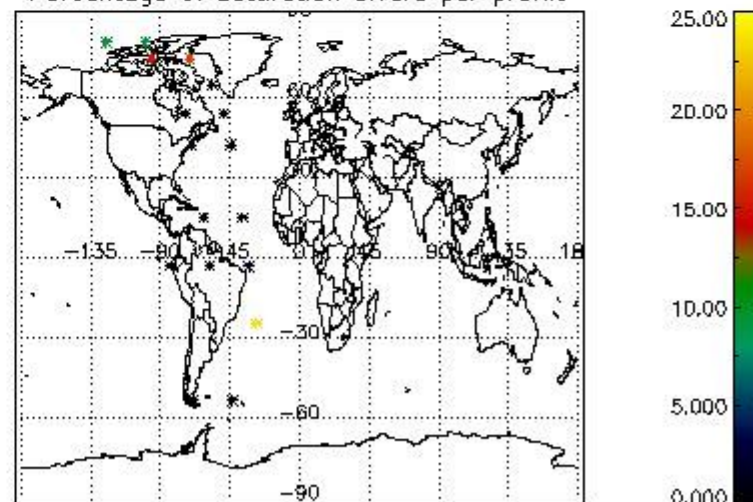
Percentage of datation errors per profile



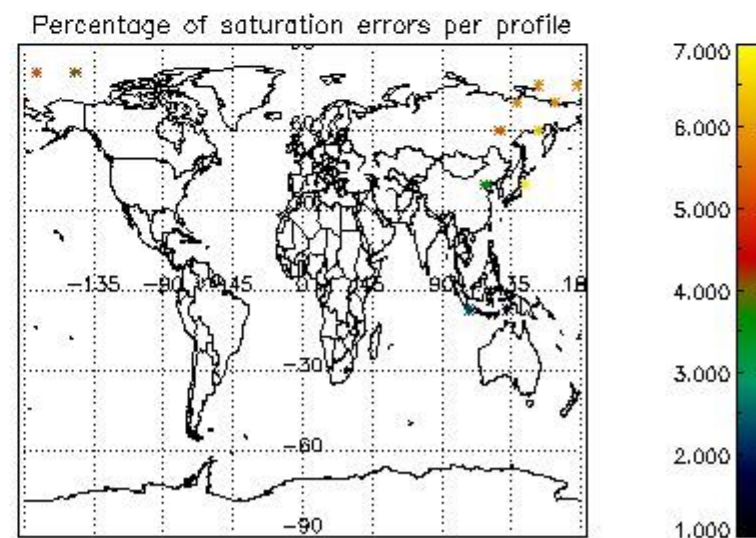
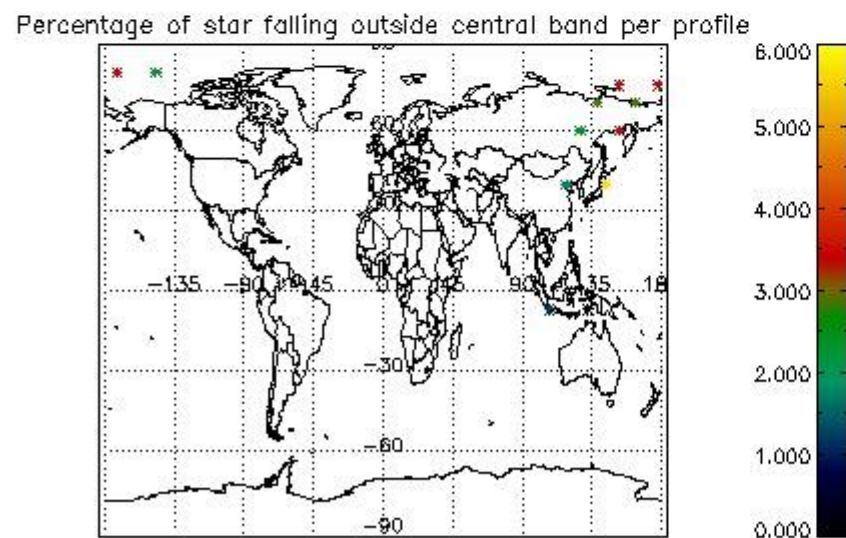
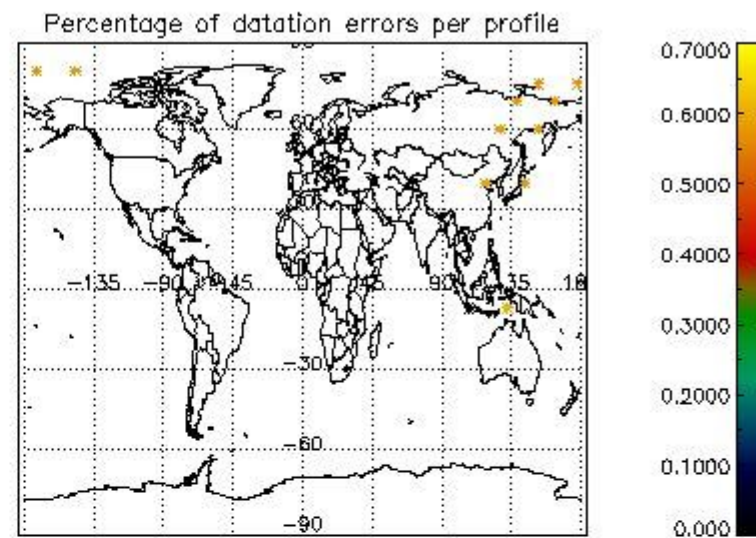
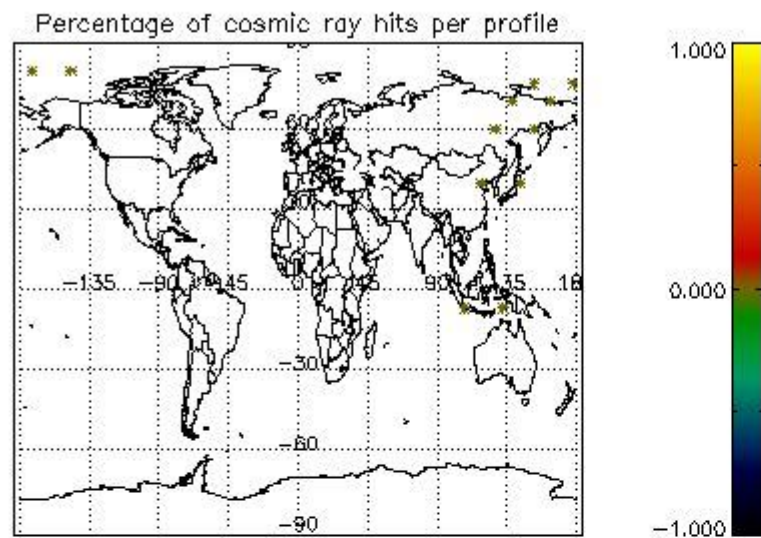
Percentage of star falling outside central band per profile



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

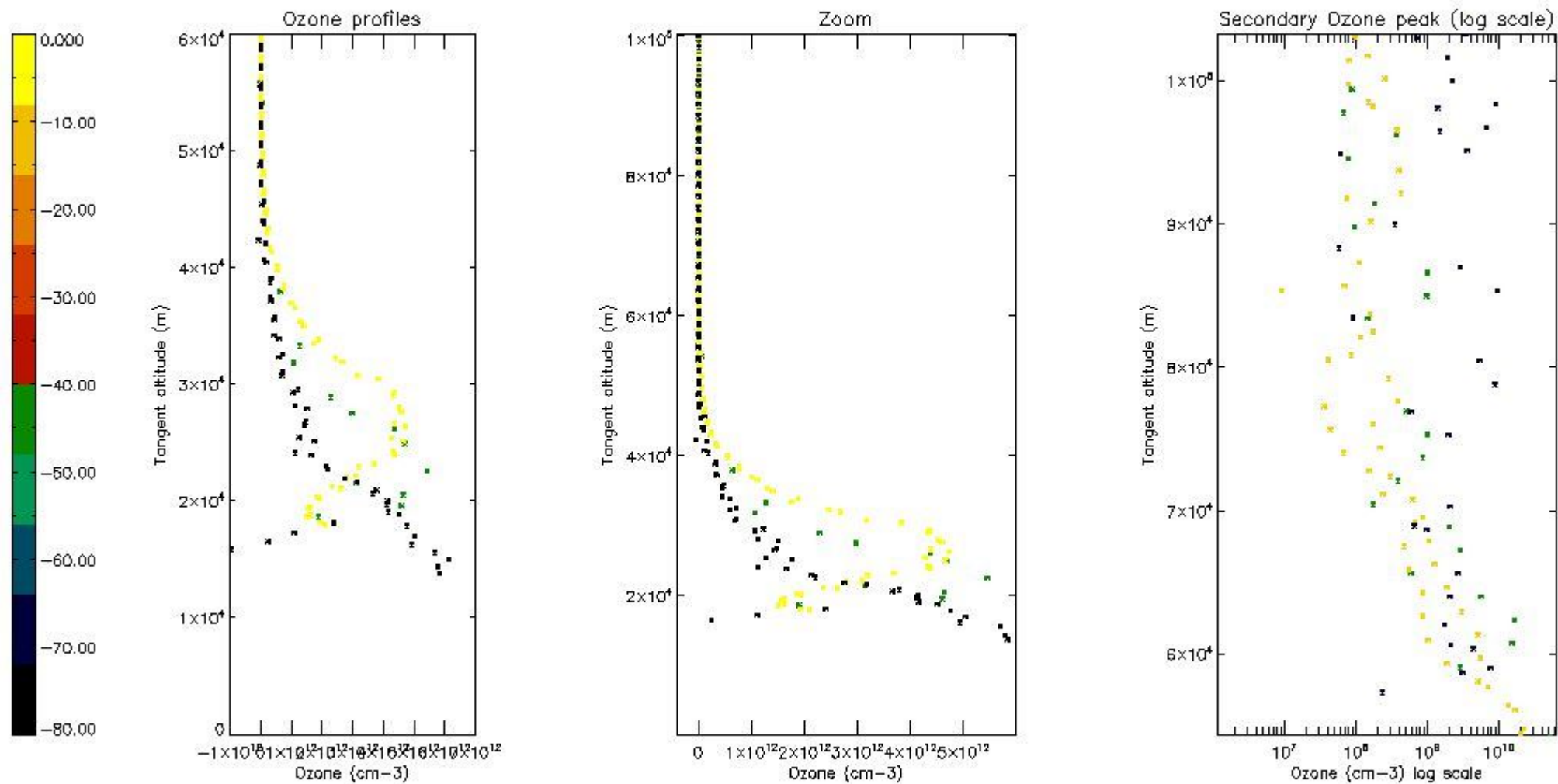
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24.000
STD < 20	2.0000

STD < 10	1.0000
STD < 5	NaN

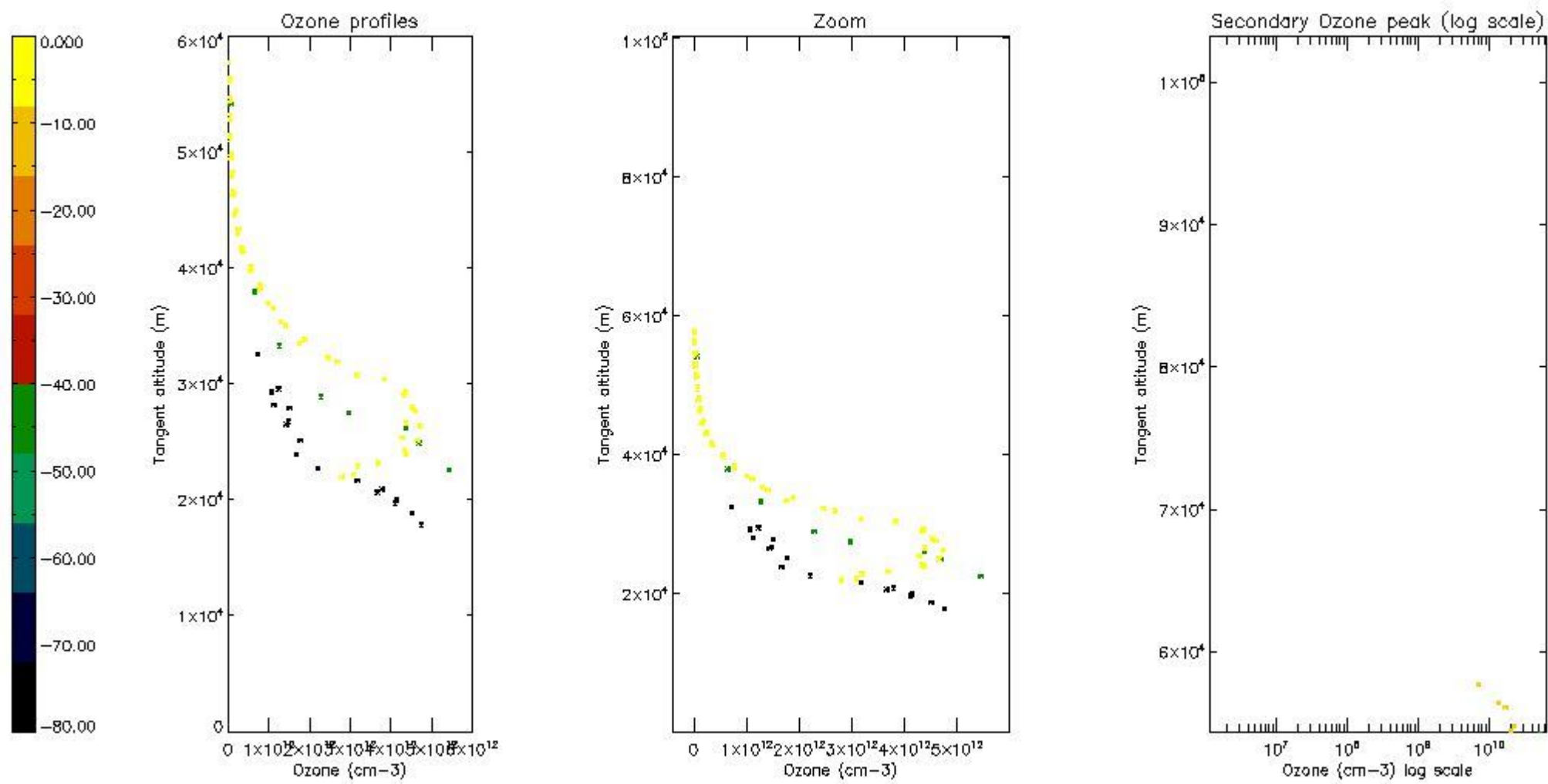
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



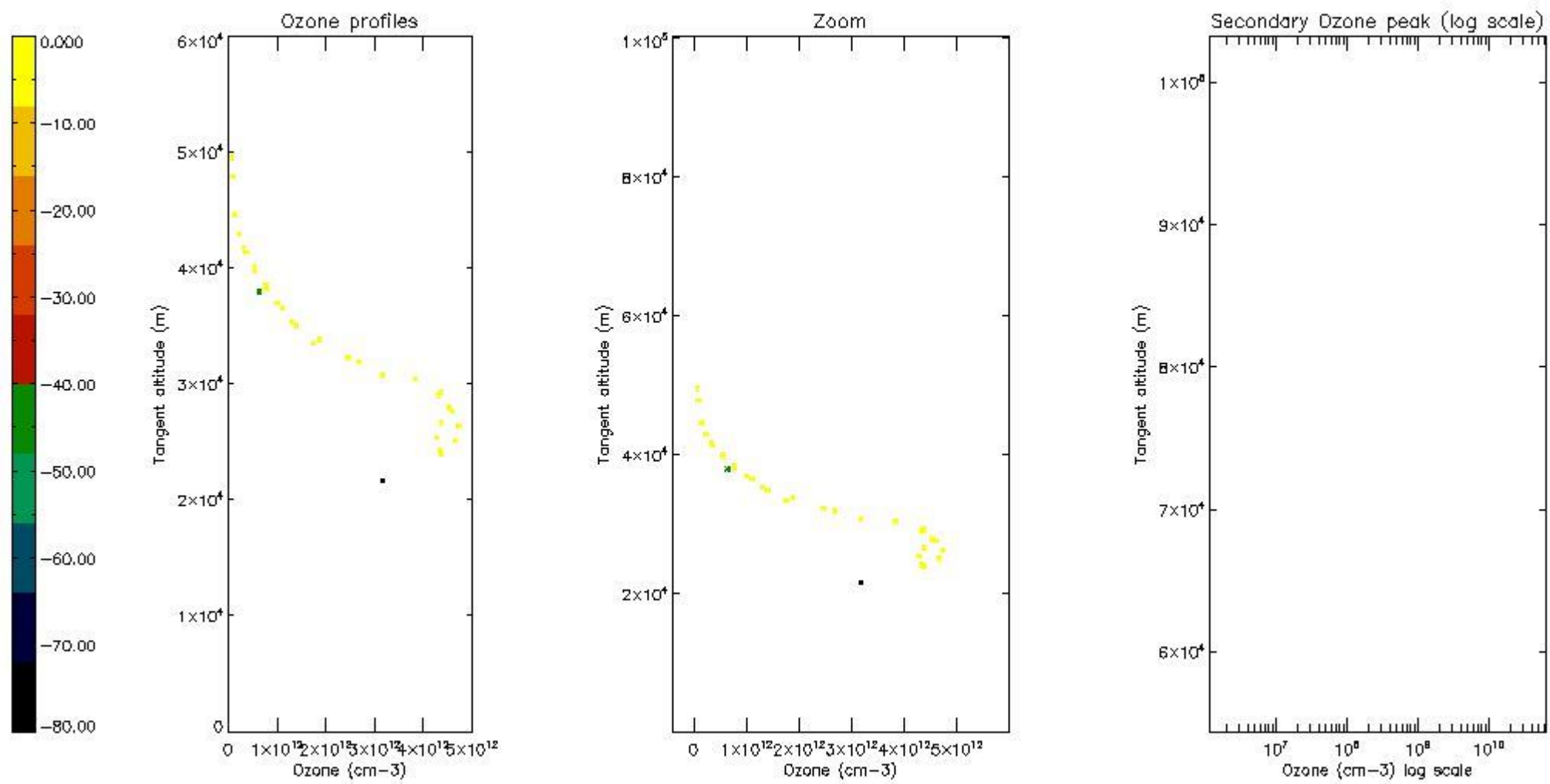
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.

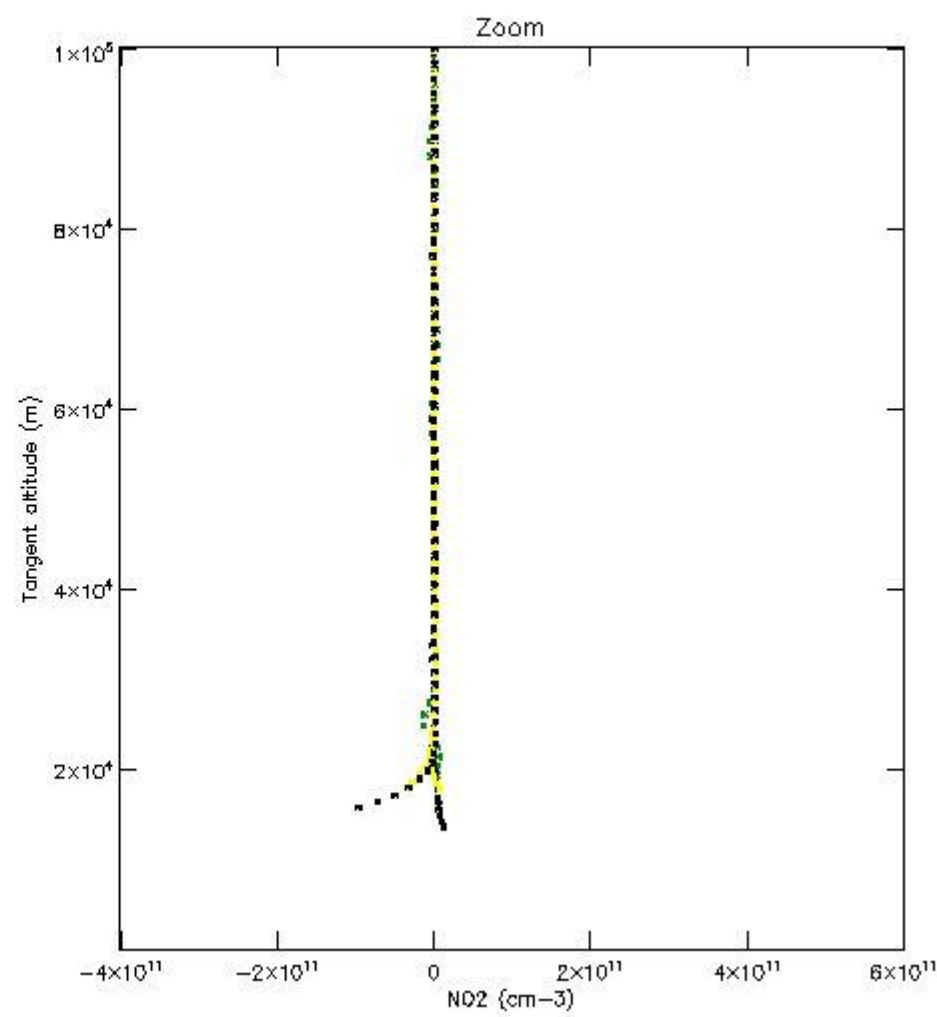
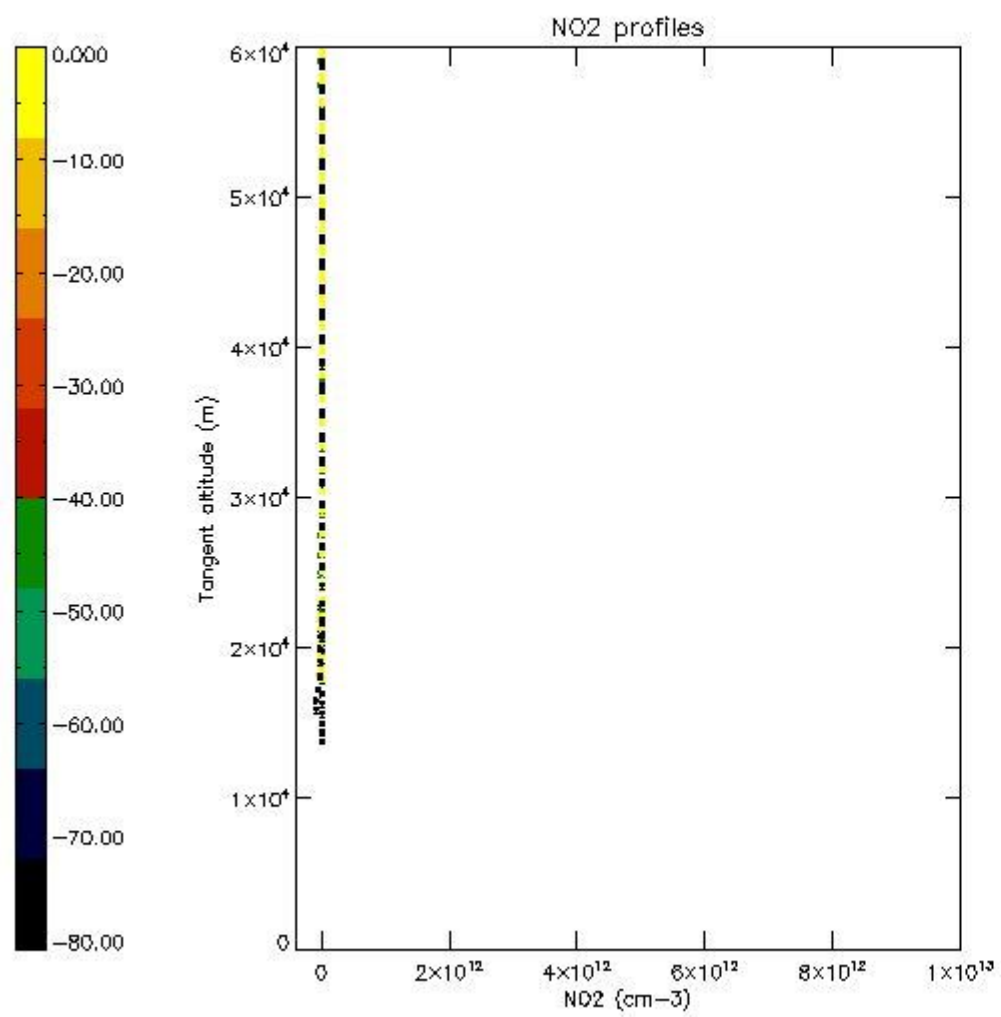


5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.

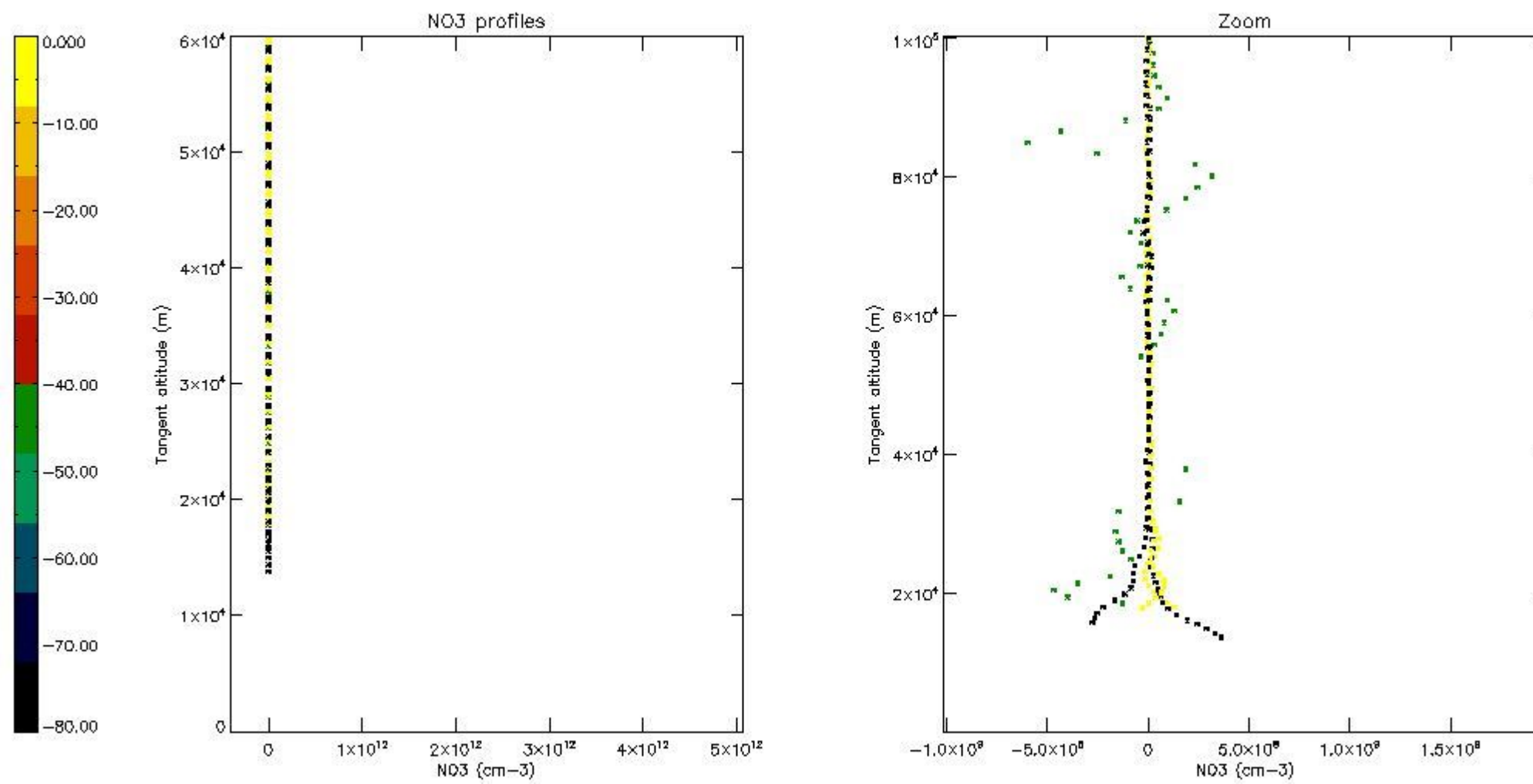
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	25-JUN-2005 00:07:56
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-JUN-2005 00:07:56
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-JUN-2005 00:07:56

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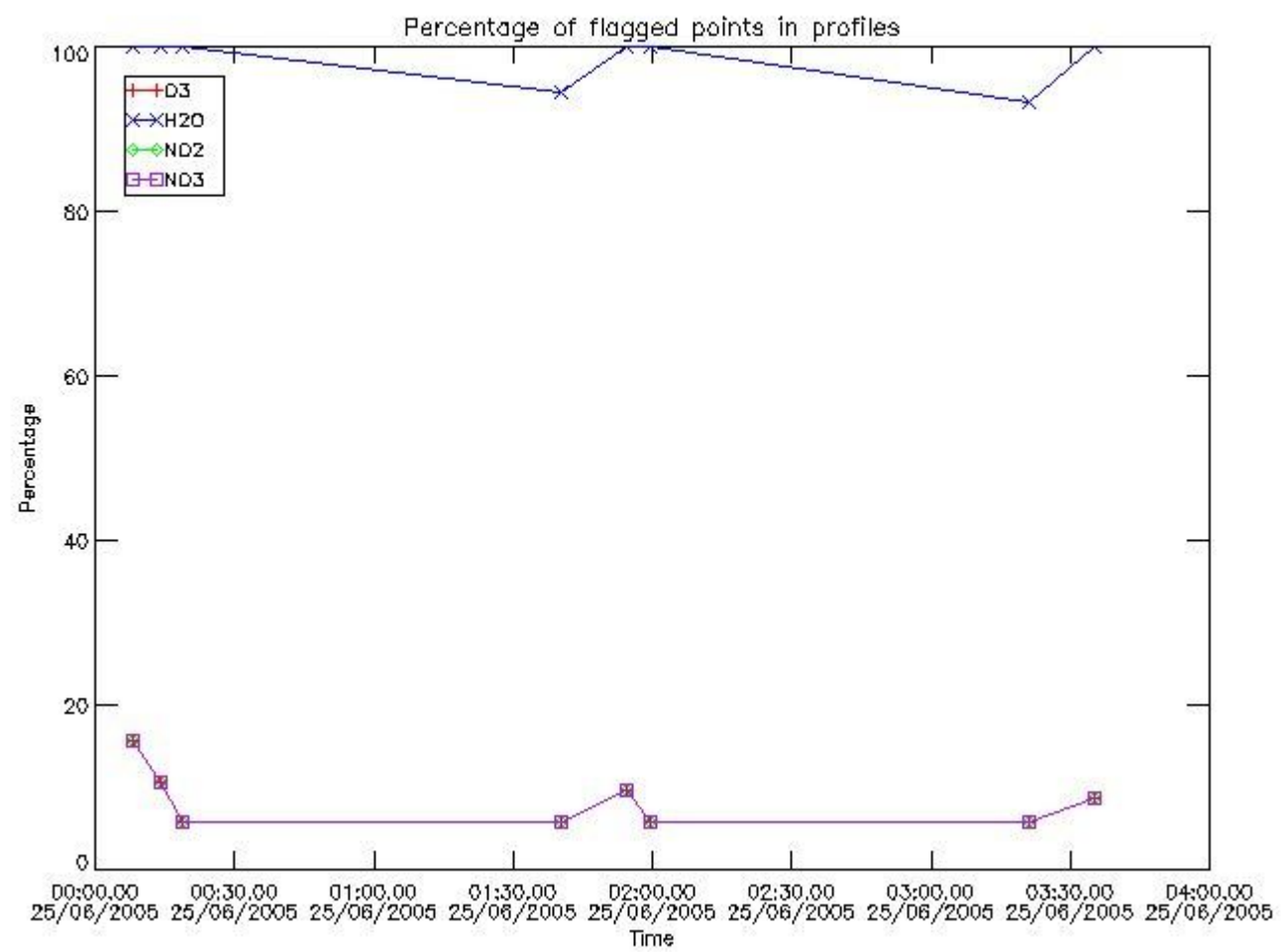
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Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
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2	GOM_NL__2PRFIN20050625_001357_000000582038_00259_17347_4734.N1	25-JUN-2005 00:13:57	Dark	58.000	9	Alp Eri	0.45300	24000.	116	17347	No
3	GOM_NL__2PRFIN20050625_001859_000000872038_00260_17348_4720.N1	25-JUN-2005 00:18:59	Dark	87.000	135	Bet Hyi	2.8200	5800.0	174	17348	No
4	GOM_NL__2PRFIN20050625_002643_000000892038_00260_17348_4721.N1	25-JUN-2005 00:26:43	Straylight	88.500	43	Alp TrA	1.9100	4250.0	177	17348	No
5	GOM_NL__2PRFIN20050625_003000_000000922038_00260_17348_4722.N1	25-JUN-2005 00:30:00	Straylight	92.000	141	Bet Ara	2.8400	4600.0	184	17348	No
6	GOM_NL__2PRFIN20050625_003311_000000922038_00260_17348_4723.N1	25-JUN-2005 00:33:11	Twilight	92.000	40	The Sco	1.8590	7100.0	184	17348	No
7	GOM_NL__2PRFIN20050625_003611_000000952038_00260_17348_4724.N1	25-JUN-2005 00:36:11	Bright	94.500	75	26Eps Sco	2.2910	4250.0	189	17348	No
8	GOM_NL__2PRFIN20050625_003835_000000912038_00260_17348_4725.N1	25-JUN-2005 00:38:35	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17348	No
9	GOM_NL__2PRFIN20050625_004040_000000862038_00260_17348_4726.N1	25-JUN-2005 00:40:40	Bright	86.000	97	8Bet1Sco	2.5610	30000.	172	17348	No
10	GOM_NL__2PRFIN20050625_004255_000000872038_00260_17348_4727.N1	25-JUN-2005 00:42:55	Bright	87.000	98	13Zet Oph	2.5710	30000.	174	17348	No
11	GOM_NL__2PRFIN20050625_004502_000000872038_00260_17348_4728.N1	25-JUN-2005 00:45:02	Bright	86.500	120	1Del Oph	2.7340	3200.0	173	17348	No
12	GOM_NL__2PRFIN20050625_004812_000000872038_00260_17348_4729.N1	25-JUN-2005 00:48:12	Bright	87.000	102	24Alp Ser	2.6000	4250.0	174	17348	No
13	GOM_NL__2PRFIN20050625_005354_000000882038_00260_17348_4730.N1	25-JUN-2005 00:53:54	Bright	87.500	67	5Alp CrB	2.2210	11000.	175	17348	No
14	GOM_NL__2PRFIN20050625_010701_000000832038_00260_17348_4731.N1	25-JUN-2005 01:07:01	Bright	82.500	60	7Bet UMi	2.0810	3950.0	165	17348	No
15	GOM_NL__2PRFIN20050625_014022_000000902038_00260_17348_4732.N1	25-JUN-2005 01:40:22	Dark	90.000	165	34Gam Eri	2.9500	3200.0	180	17348	No
16	GOM_NL__2PRFIN20050625_015433_000000582038_00260_17348_4733.N1	25-JUN-2005 01:54:33	Dark	58.000	9	Alp Eri	0.45300	24000.	116	17348	No
17	GOM_NL__2PRFIN20050625_015935_000000872038_00261_17349_4720.N1	25-JUN-2005 01:59:35	Dark	87.000	135	Bet Hyi	2.8200	5800.0	174	17349	No
18	GOM_NL__2PRFIN20050625_020719_000000912038_00261_17349_4721.N1	25-JUN-2005 02:07:19	Straylight	90.500	43	Alp TrA	1.9100	4250.0	181	17349	No
19	GOM_NL__2PRFIN20050625_021036_000000902038_00261_17349_4722.N1	25-JUN-2005 02:10:36	Straylight	90.000	141	Bet Ara	2.8400	4600.0	180	17349	No
20	GOM_NL__2PRFIN20050625_021347_000000912038_00261_17349_4723.N1	25-JUN-2005 02:13:47	Twilight	90.500	40	The Sco	1.8590	7100.0	181	17349	No
21	GOM_NL__2PRFIN20050625_021648_000000932038_00261_17349_4724.N1	25-JUN-2005 02:16:48	Bright	92.500	75	26Eps Sco	2.2910	4250.0	185	17349	No
22	GOM_NL__2PRFIN20050625_021911_000000912038_00261_17349_4725.N1	25-JUN-2005 02:19:11	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17349	No
23	GOM_NL__2PRFIN20050625_022116_000000872038_00261_17349_4726.N1	25-JUN-2005 02:21:16	Bright	87.000	97	8Bet1Sco	2.5610	30000.	174	17349	No
24	GOM_NL__2PRFIN20050625_022331_000000872038_00261_17349_4727.N1	25-JUN-2005 02:23:31	Bright	87.000	98	13Zet Oph	2.5710	30000.	174	17349	No
25	GOM_NL__2PRFIN20050625_022538_000000872038_00261_17349_4728.N1	25-JUN-2005 02:25:38	Bright	86.500	120	1Del Oph	2.7340	3200.0	173	17349	No
26	GOM_NL__2PRFIN20050625_022848_000000862038_00261_17349_4729.N1	25-JUN-2005 02:28:48	Bright	86.000	102	24Alp Ser	2.6000	4250.0	172	17349	No
27	GOM_NL__2PRFIN20050625_023430_000000842038_00261_17349_4730.N1	25-JUN-2005 02:34:30	Bright	84.000	67	5Alp CrB	2.2210	11000.	168	17349	No
28	GOM_NL__2PRFIN20050625_024737_000000842038_00261_17349_4731.N1	25-JUN-2005 02:47:37	Bright	84.000	60	7Bet UMi	2.0810	3950.0	168	17349	No
29	GOM_NL__2PRFIN20050625_032058_000000892038_00261_17349_4732.N1	25-JUN-2005 03:20:58	Dark	88.500	165	34Gam Eri	2.9500	3200.0	177	17349	No
30	GOM_NL__2PRFIN20050625_033510_000000582038_00261_17349_4733.N1	25-JUN-2005 03:35:10	Dark	57.500	9	Alp Eri	0.45300	24000.	115	17349	No

3. Quality information per product

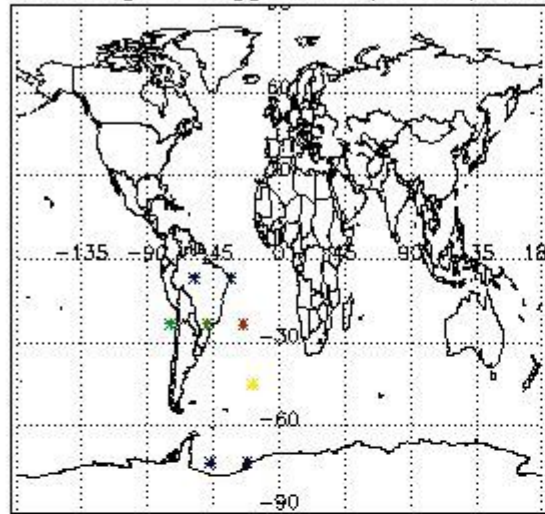
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

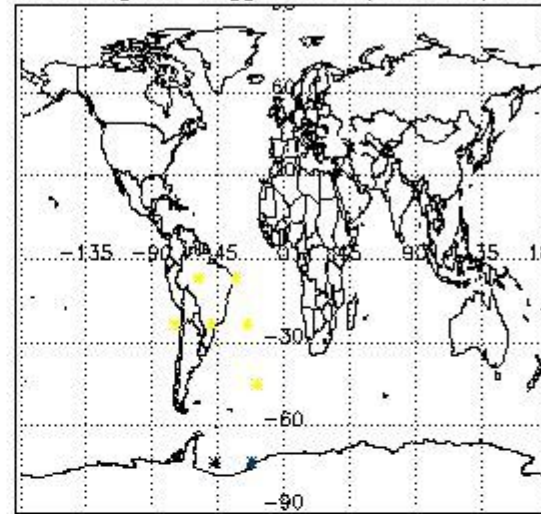


3.2 Plot quality information per product (world map)

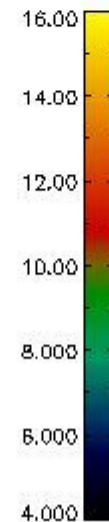
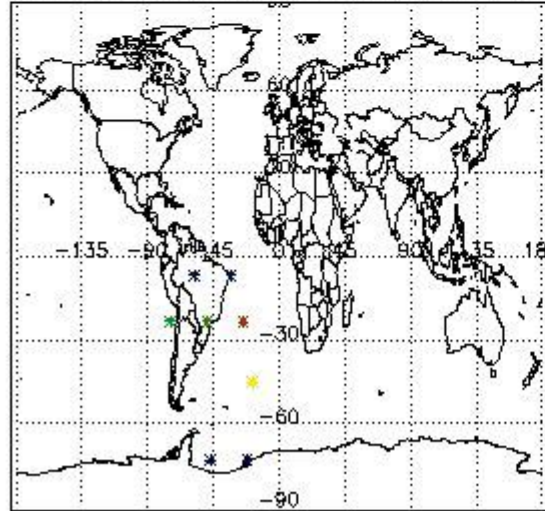
Percentage of flagged data per O3 profile



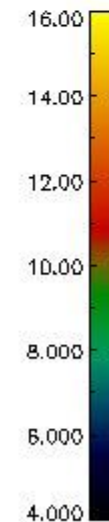
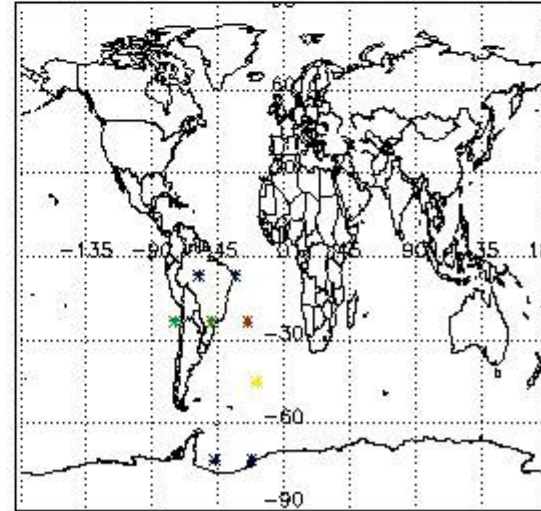
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

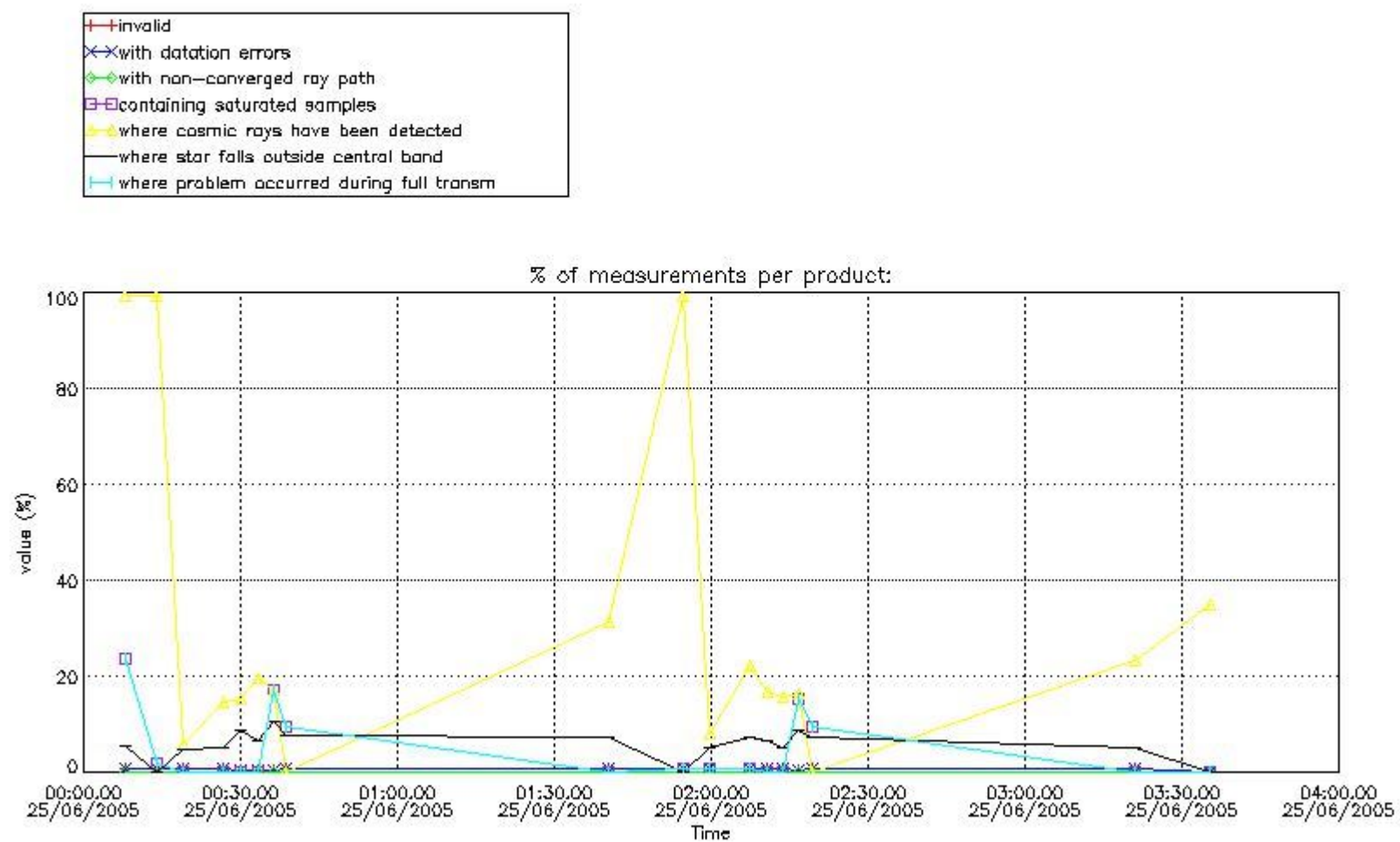


4. Level 1 quality information per product

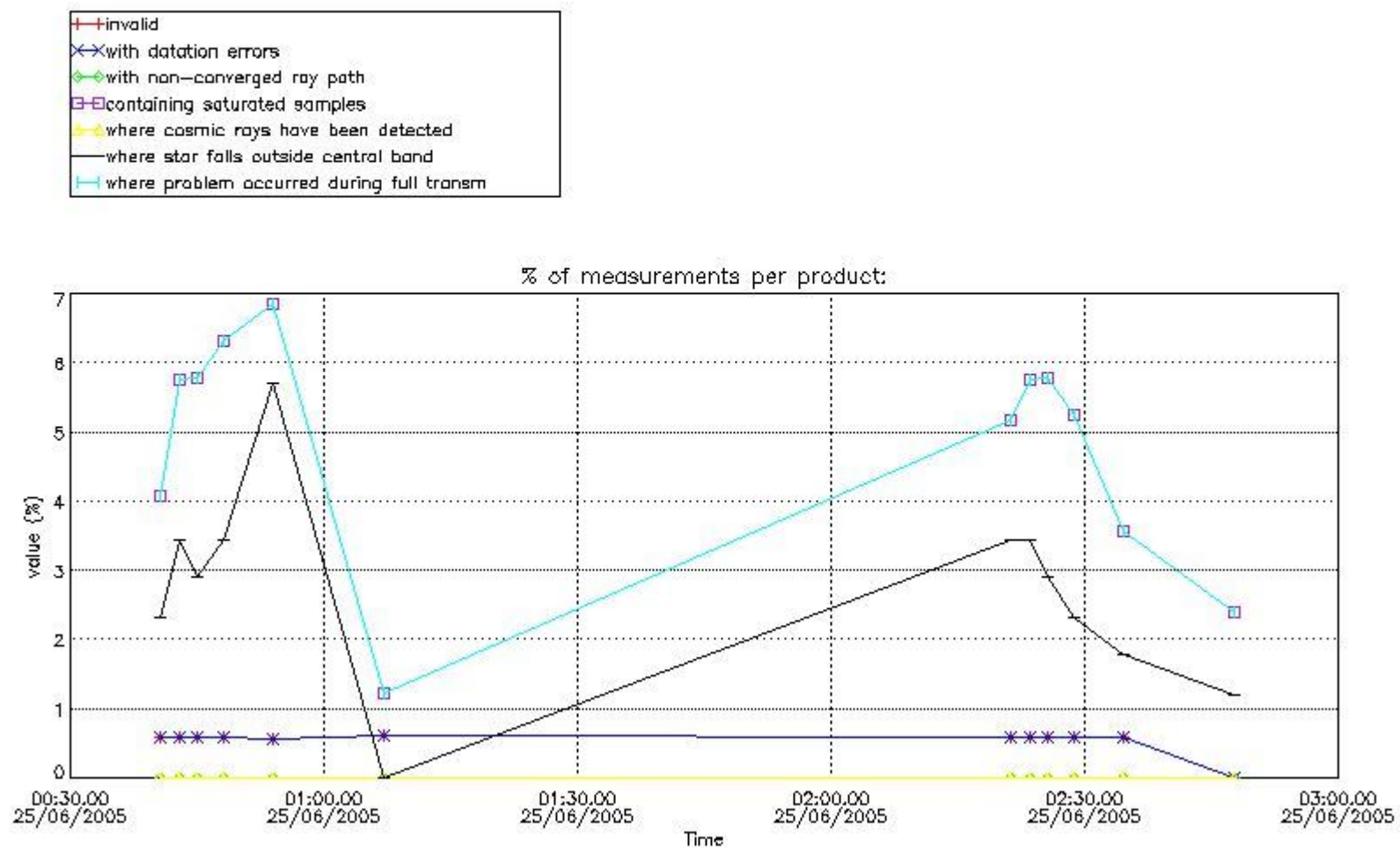
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



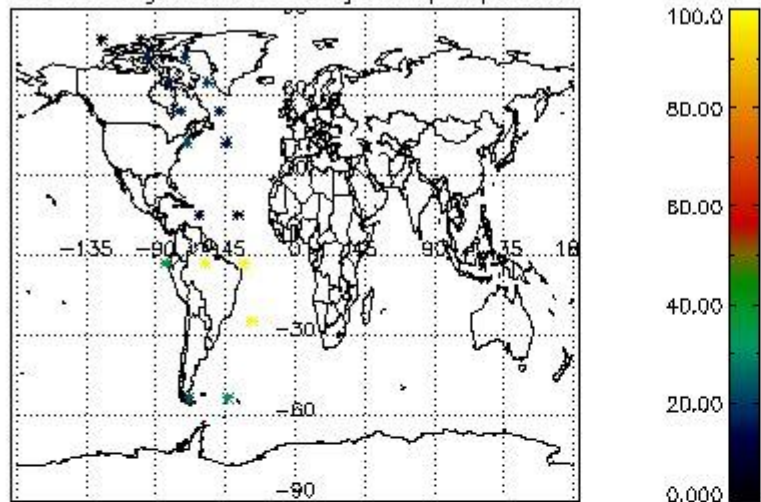
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



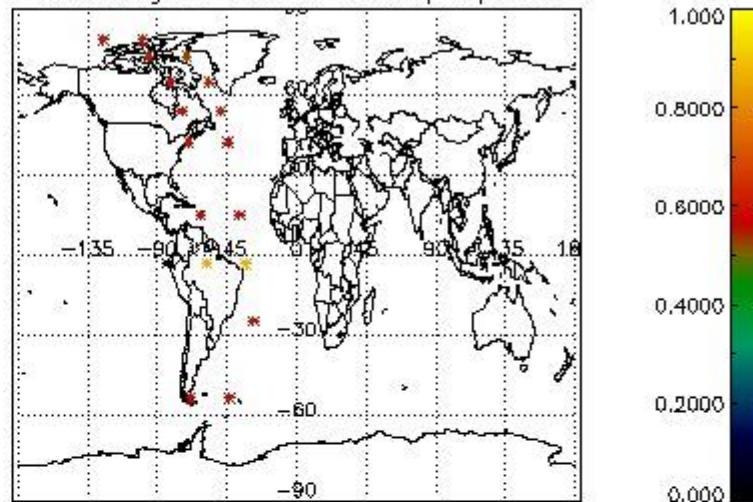
4.2 Plot quality information per product coming from level 1b processing (world map)

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

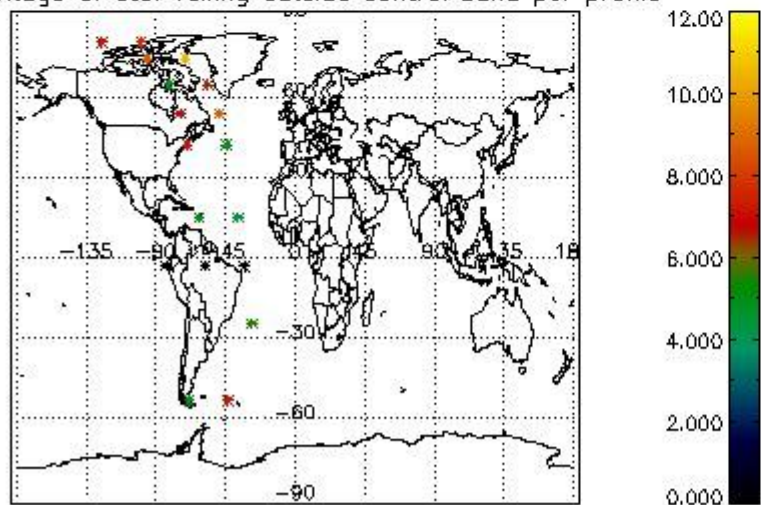
Percentage of cosmic ray hits per profile



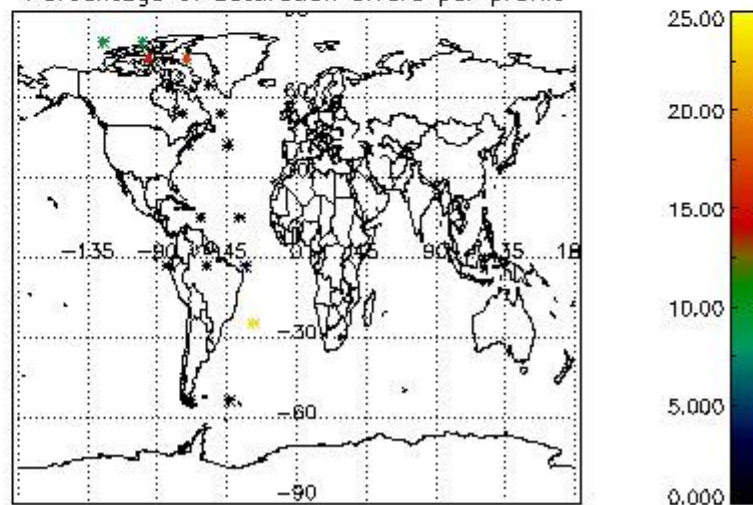
Percentage of datation errors per profile



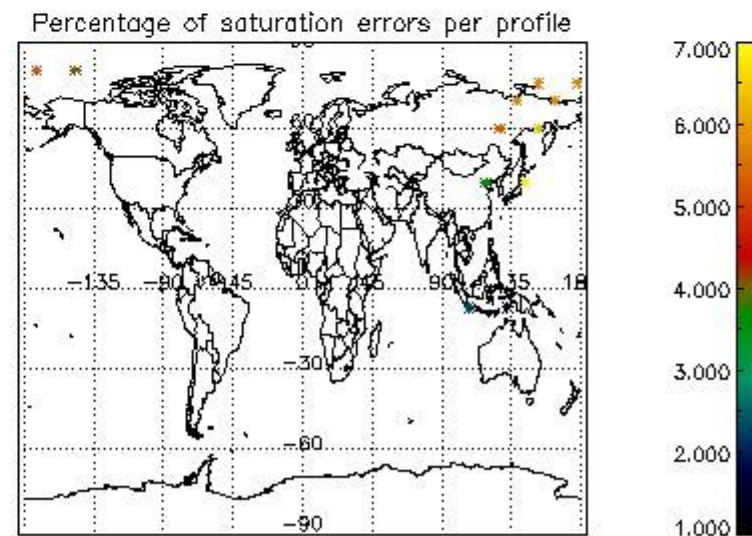
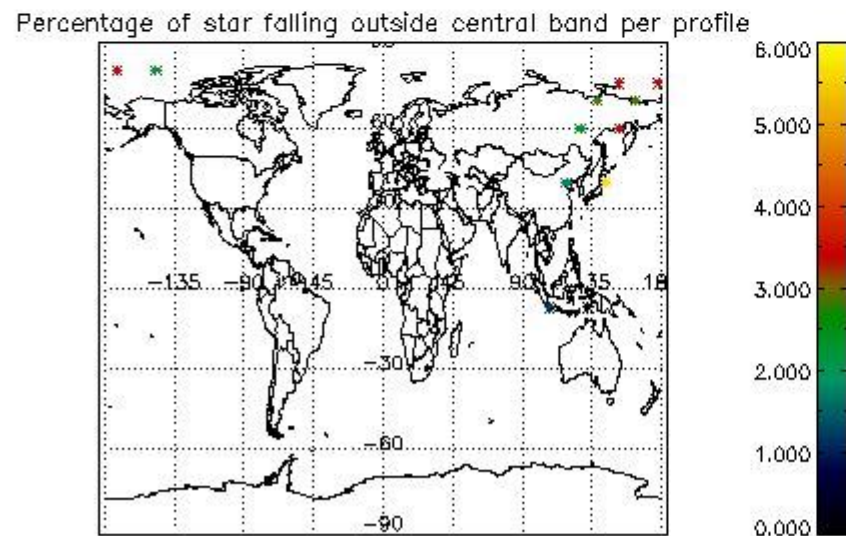
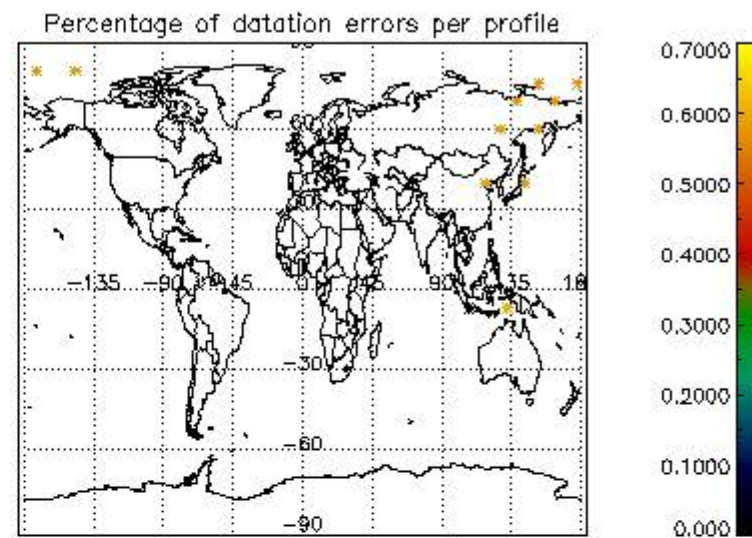
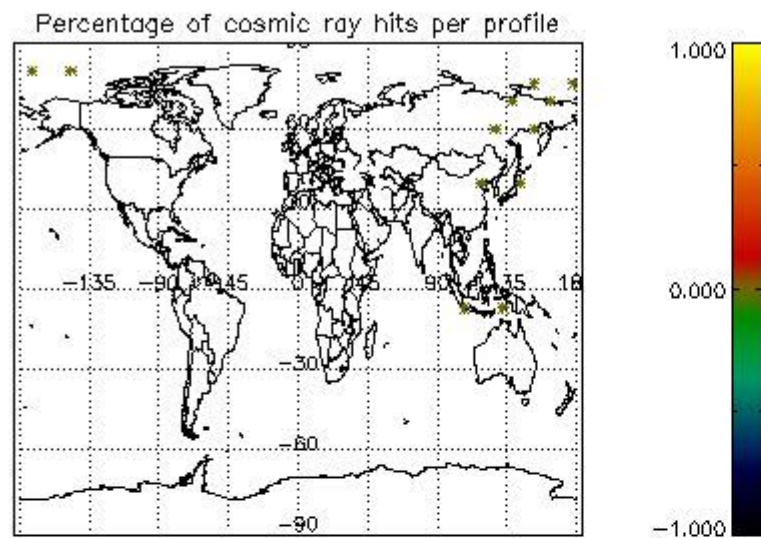
Percentage of star falling outside central band per profile



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

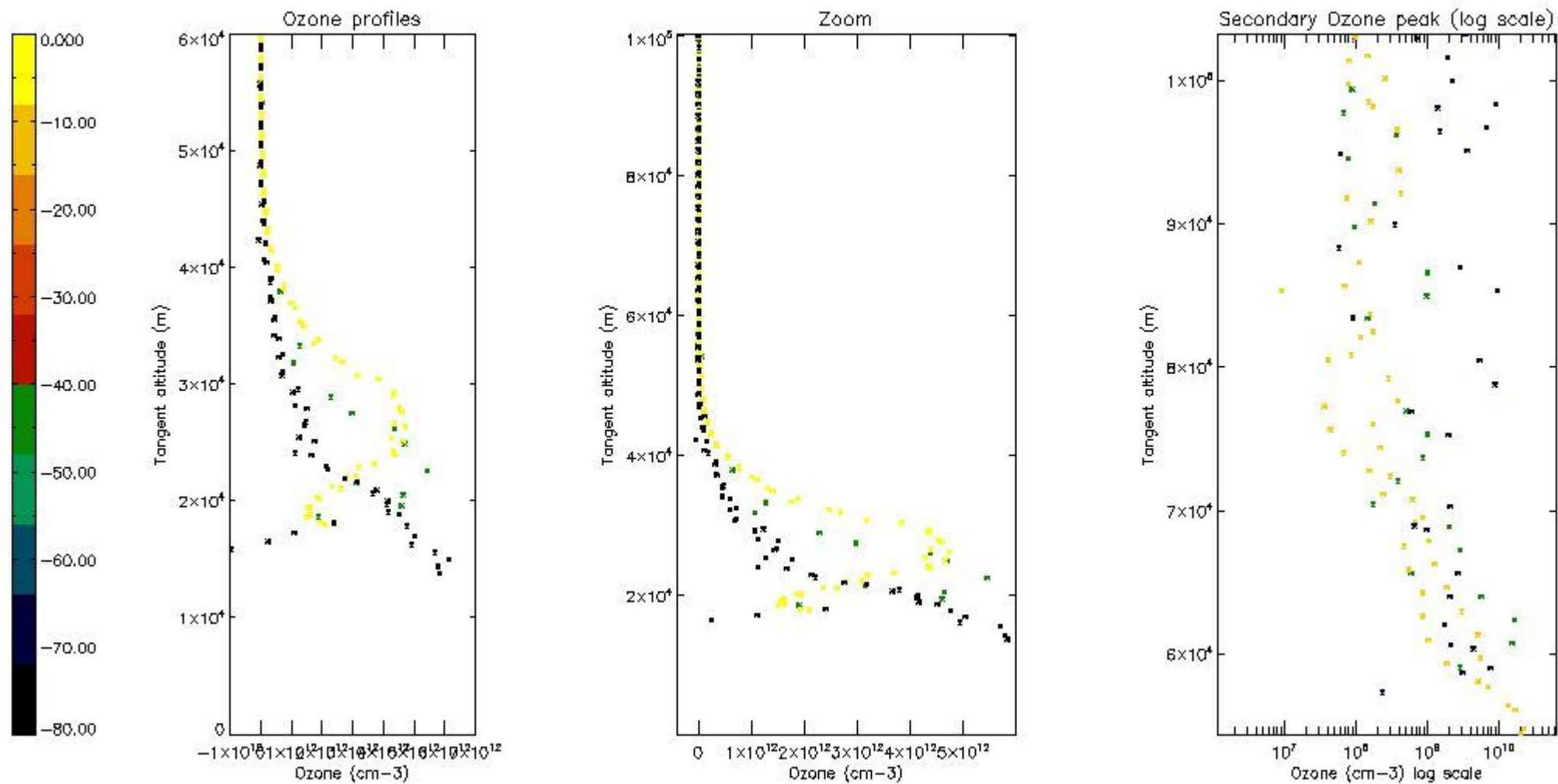
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24.000
STD < 20	2.0000

STD < 10	1.0000
STD < 5	NaN

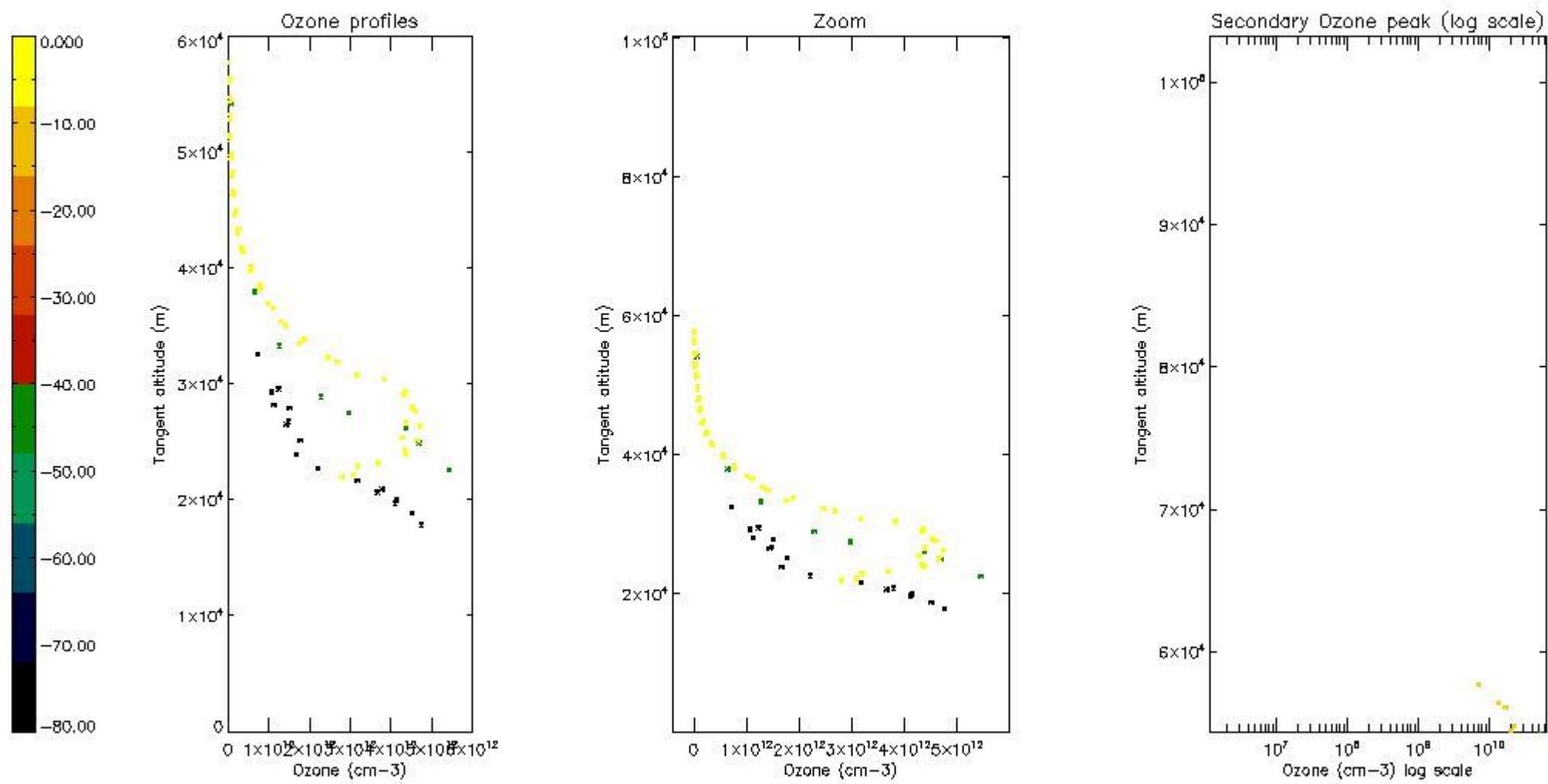
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



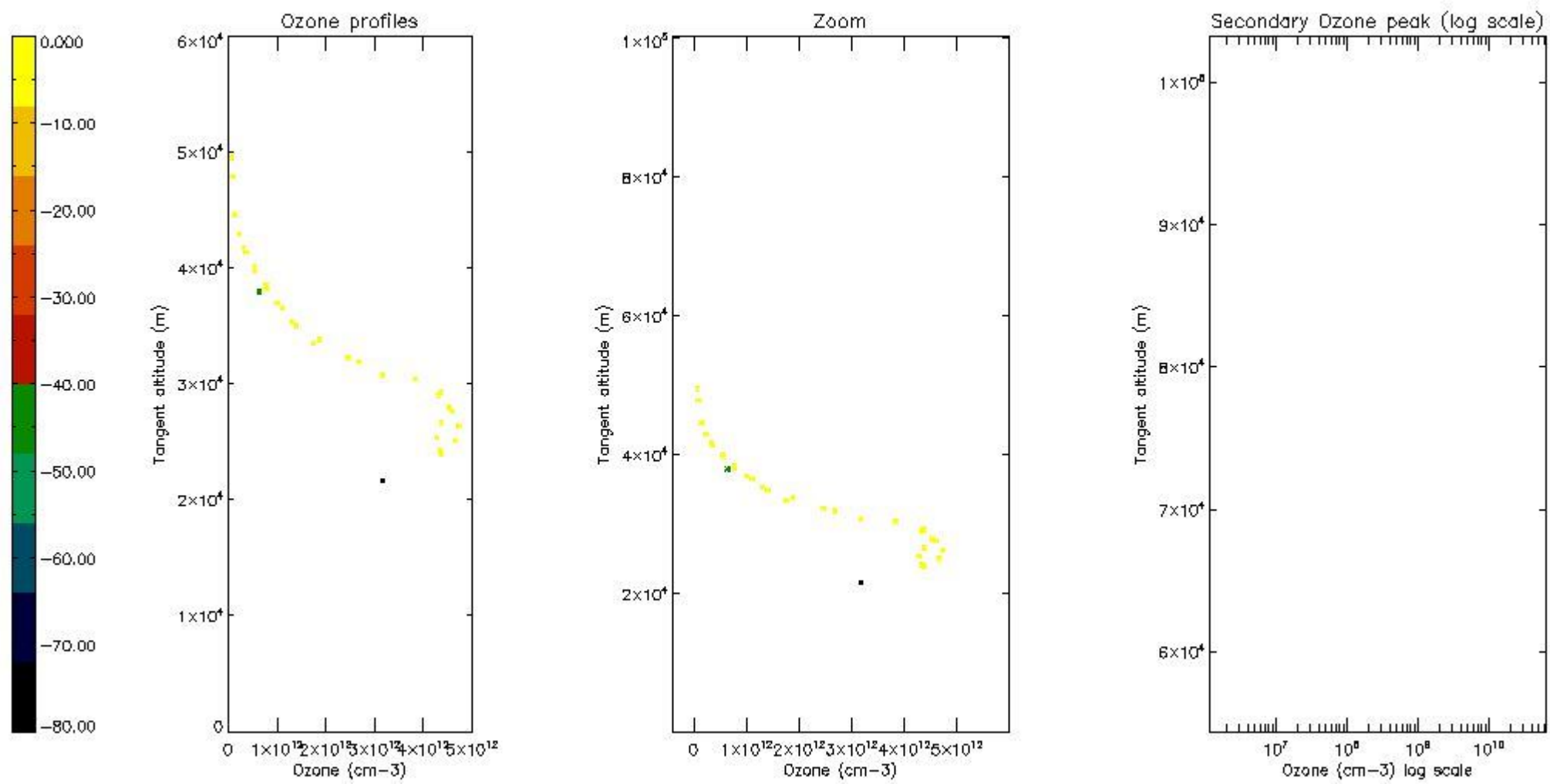
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.

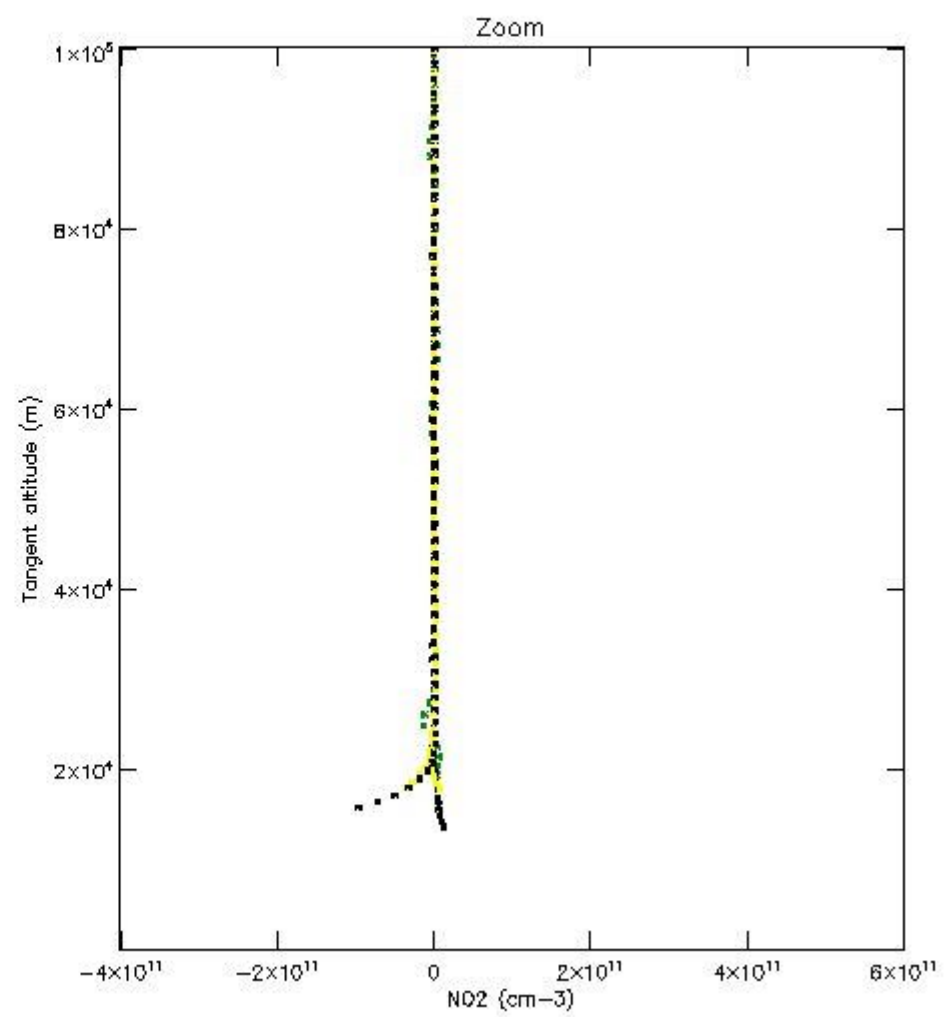
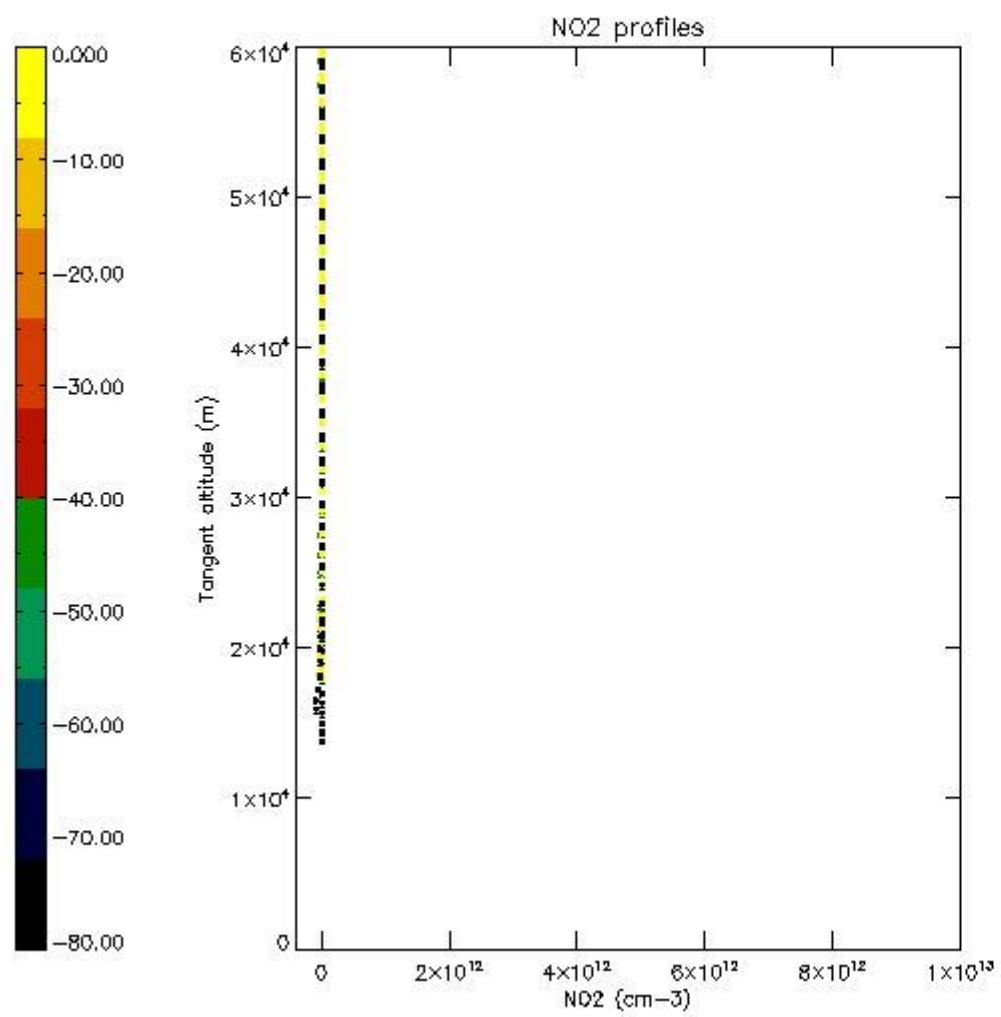


5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.

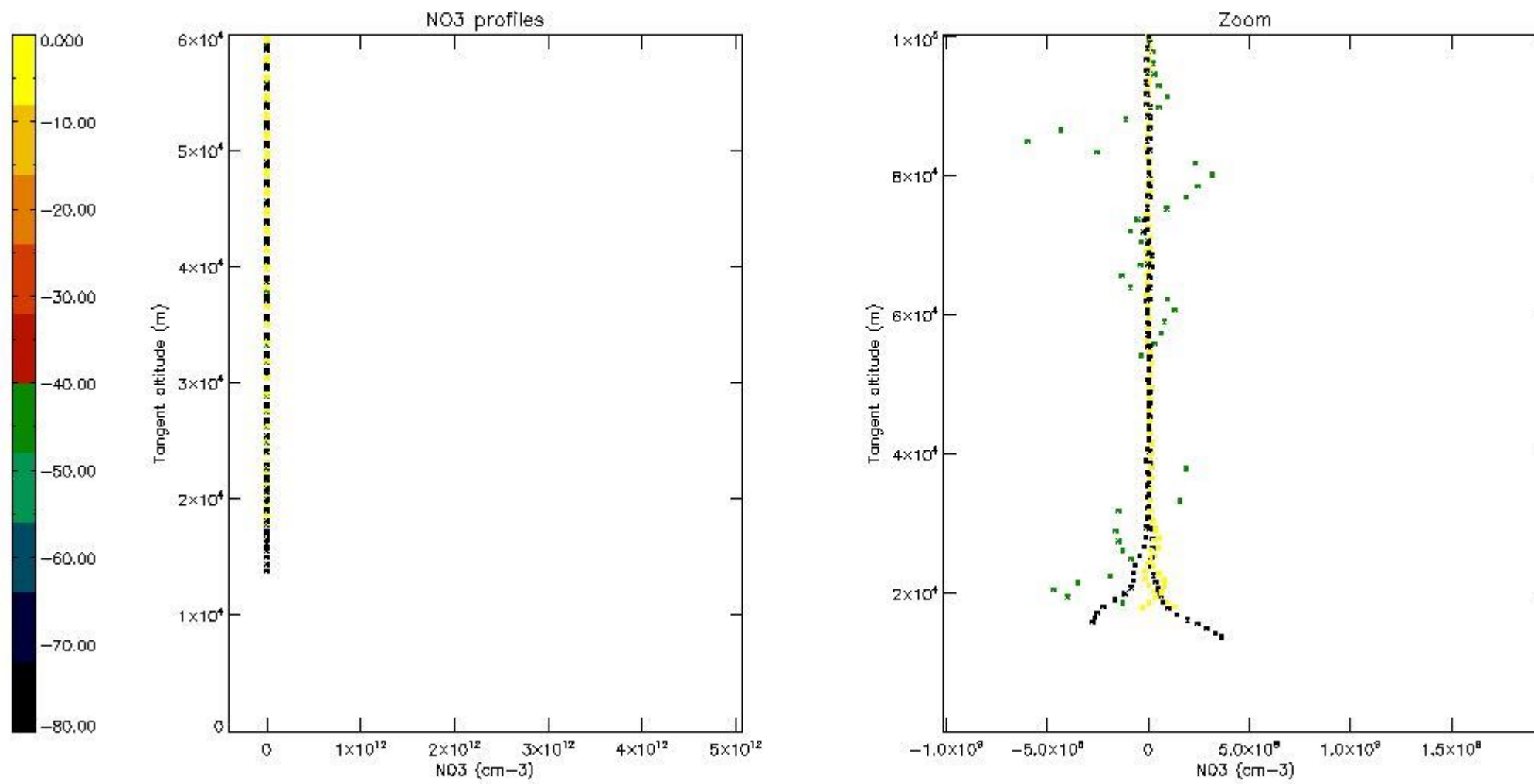
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

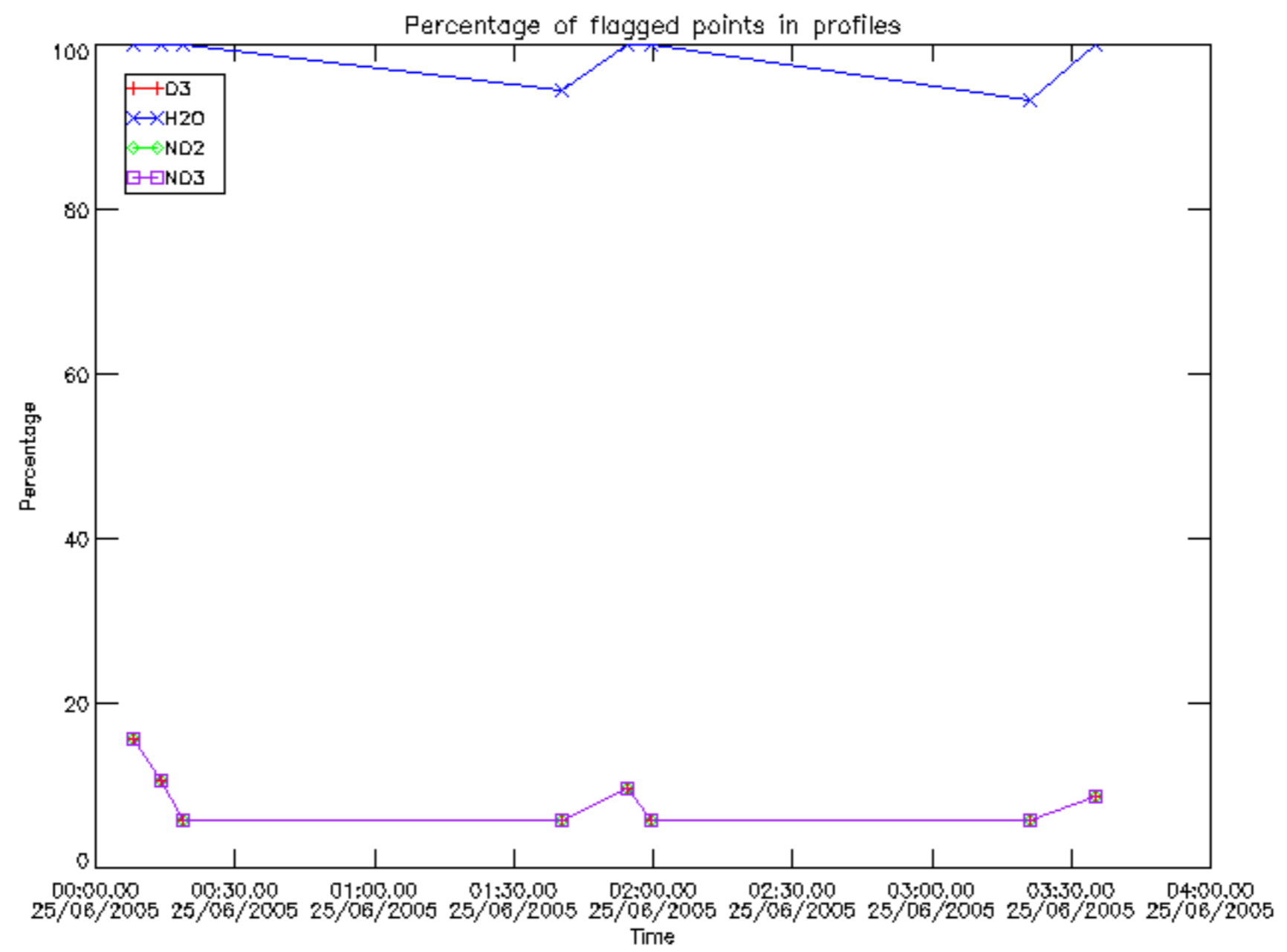
The colorbar represents the latitude.



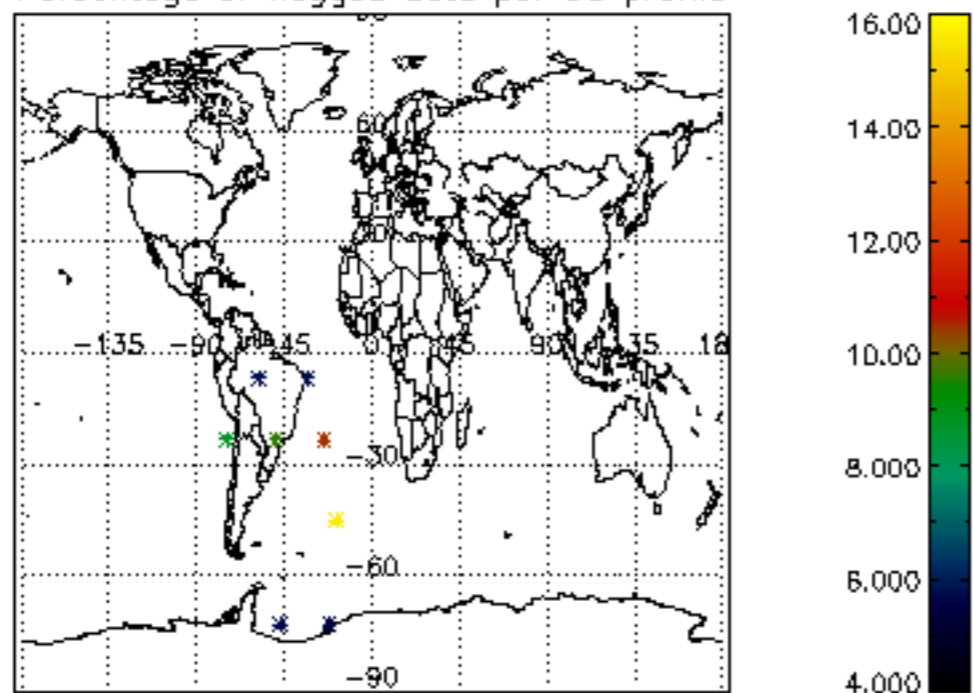
6. Auxiliary Data Files used for the production reported in section 2

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.

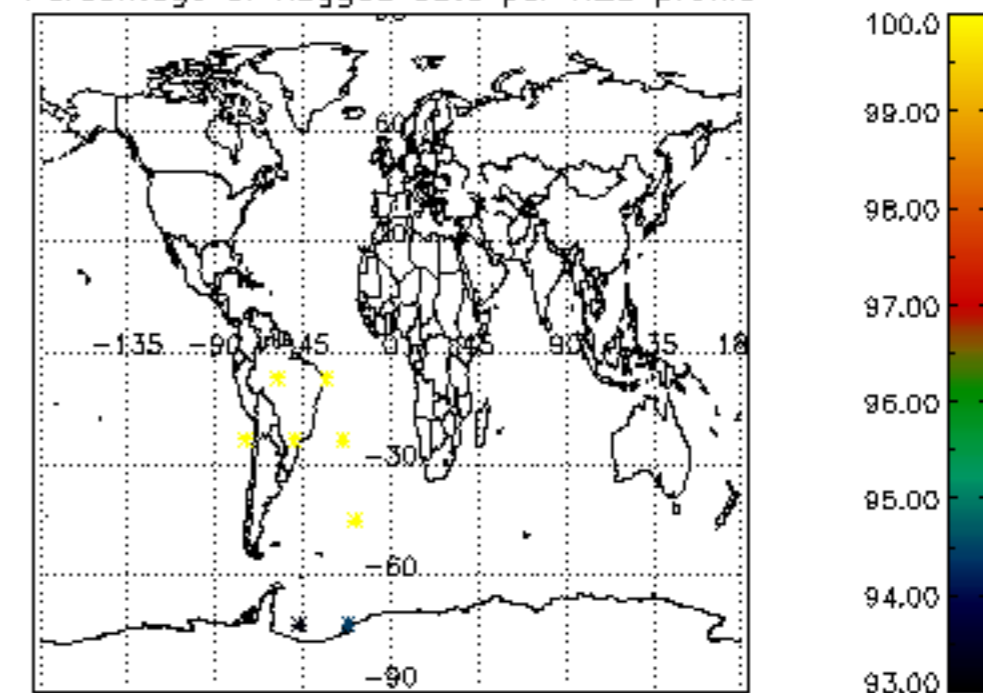
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-JUN-2005 00:07:56
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-JUN-2005 00:07:56
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-JUN-2005 00:07:56



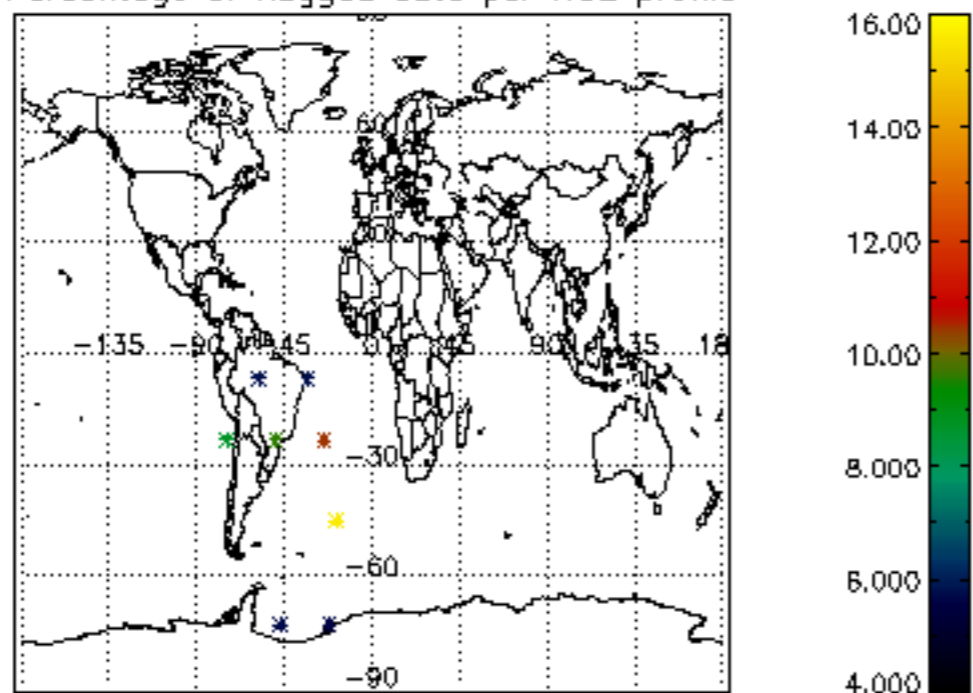
Percentage of flagged data per D3 profile



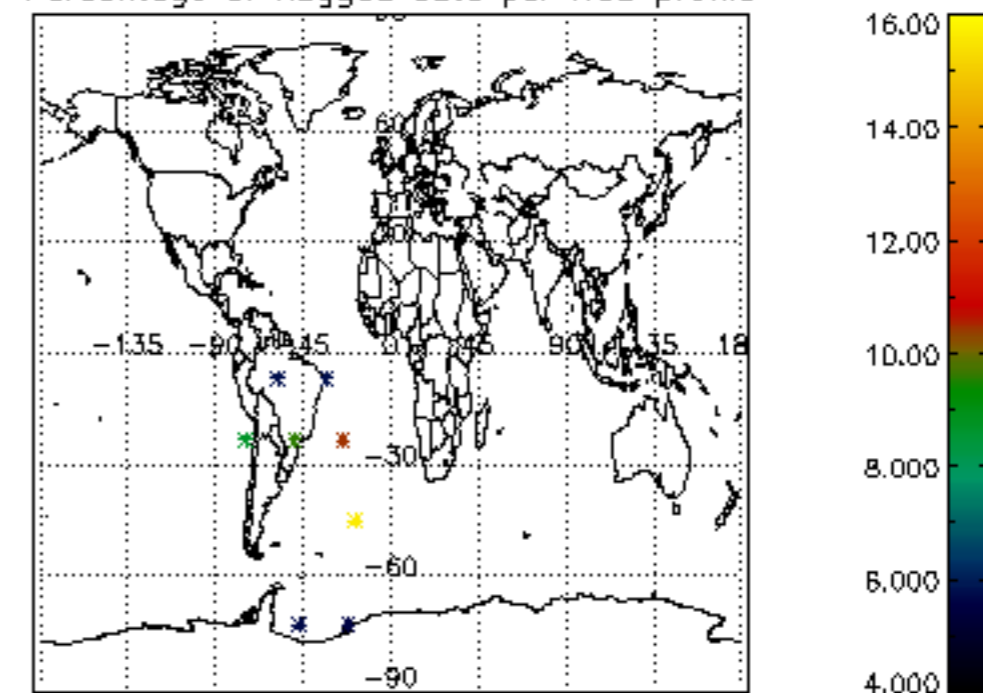
Percentage of flagged data per H2O profile

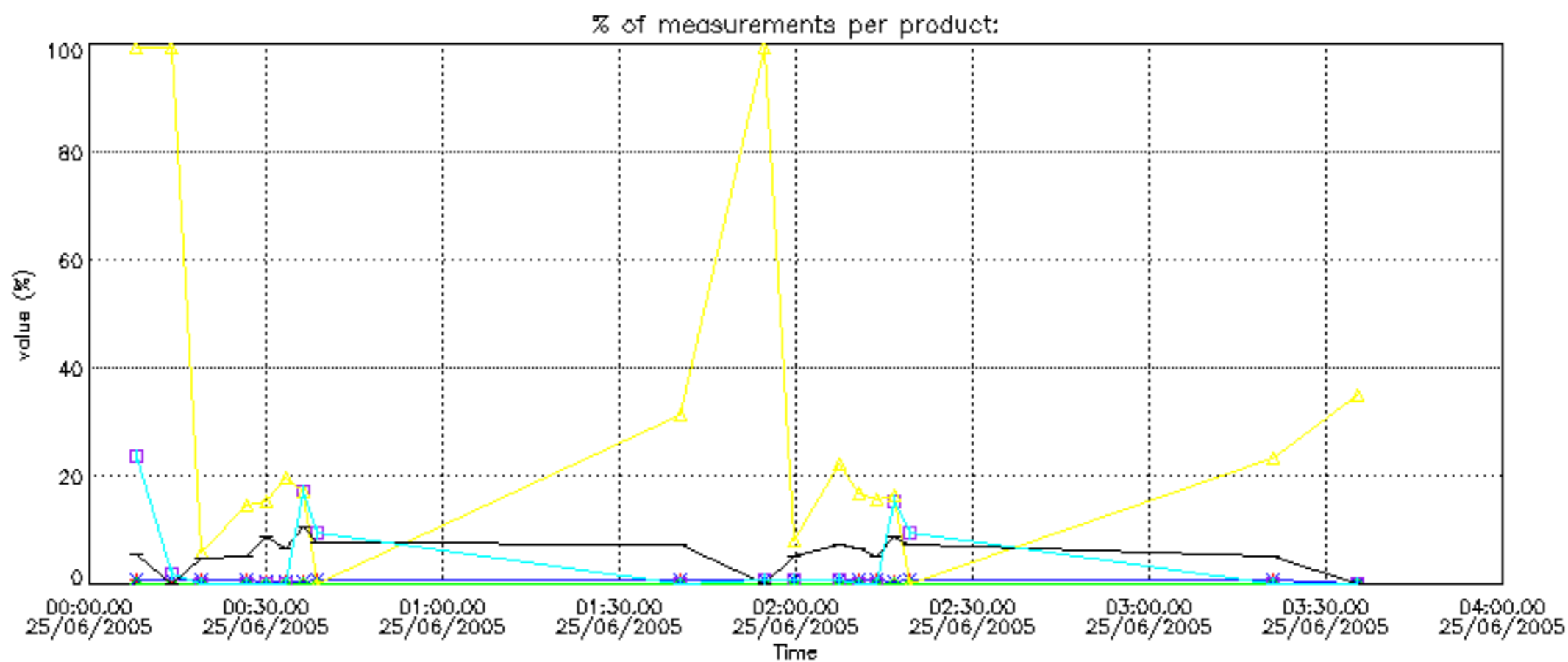


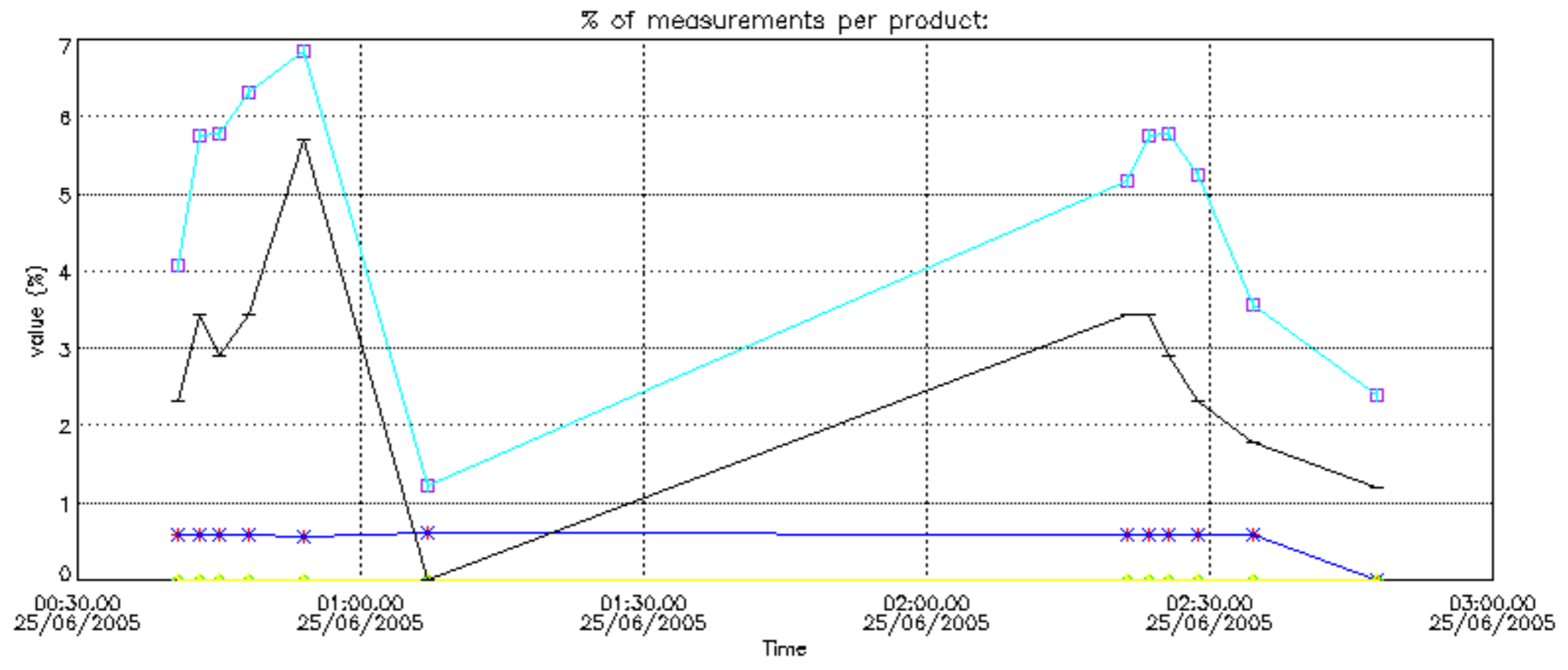
Percentage of flagged data per NO2 profile



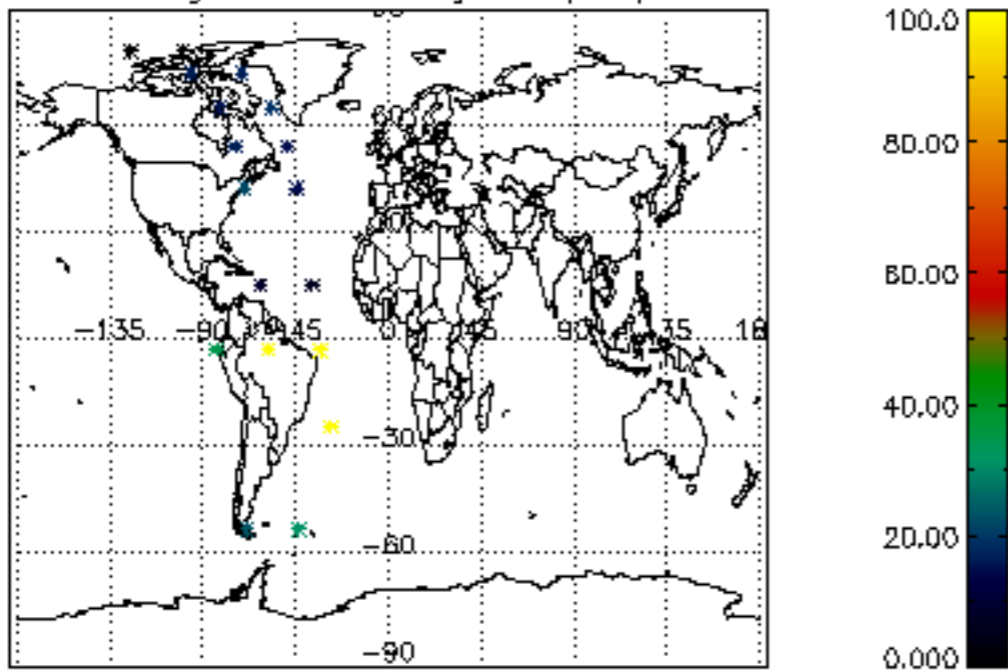
Percentage of flagged data per NO3 profile



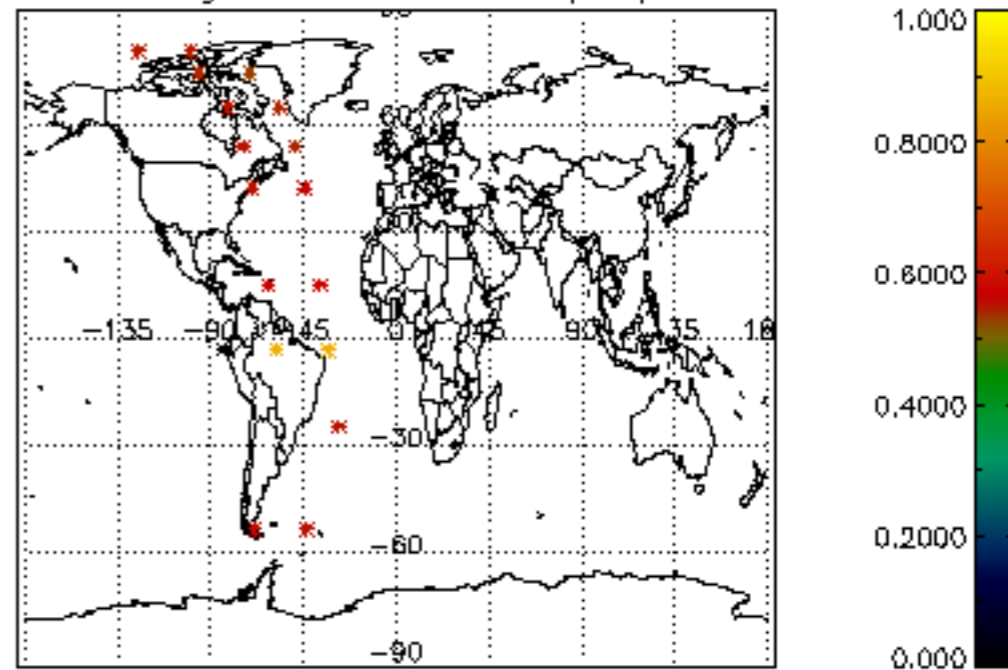




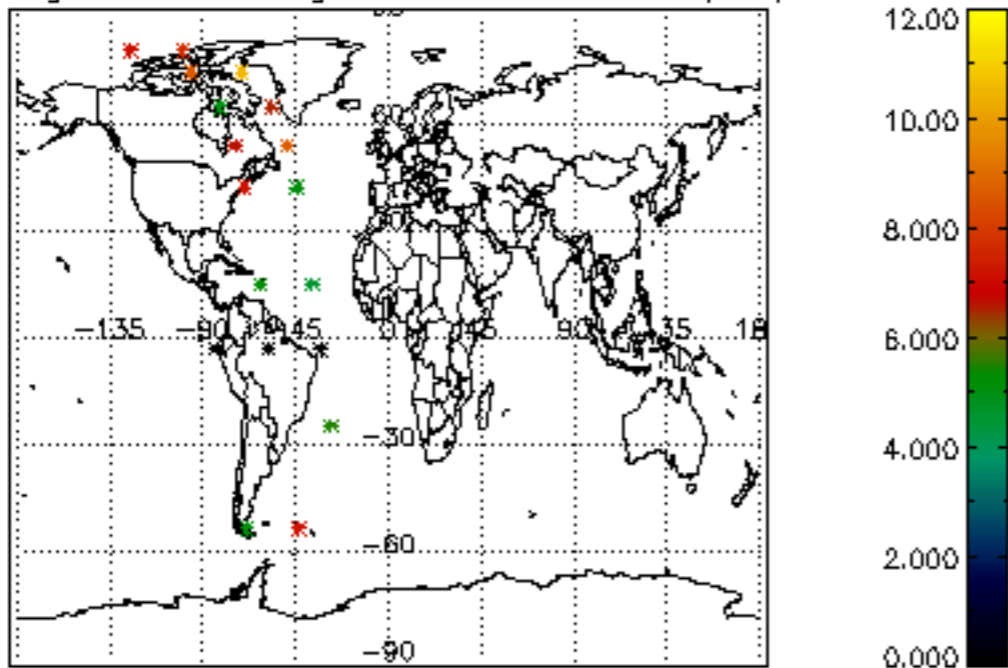
Percentage of cosmic ray hits per profile



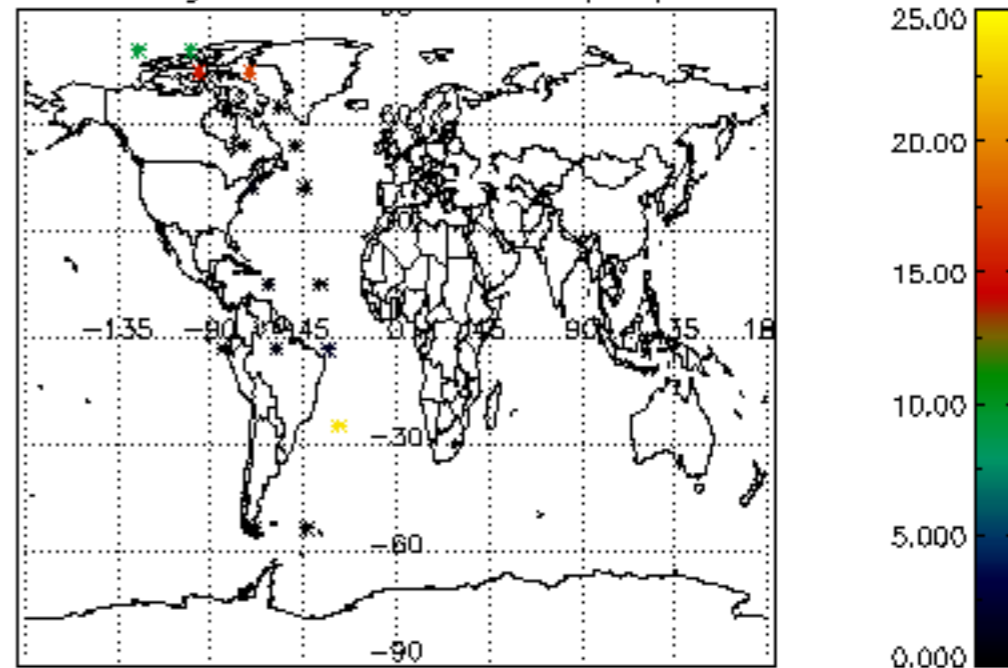
Percentage of datation errors per profile



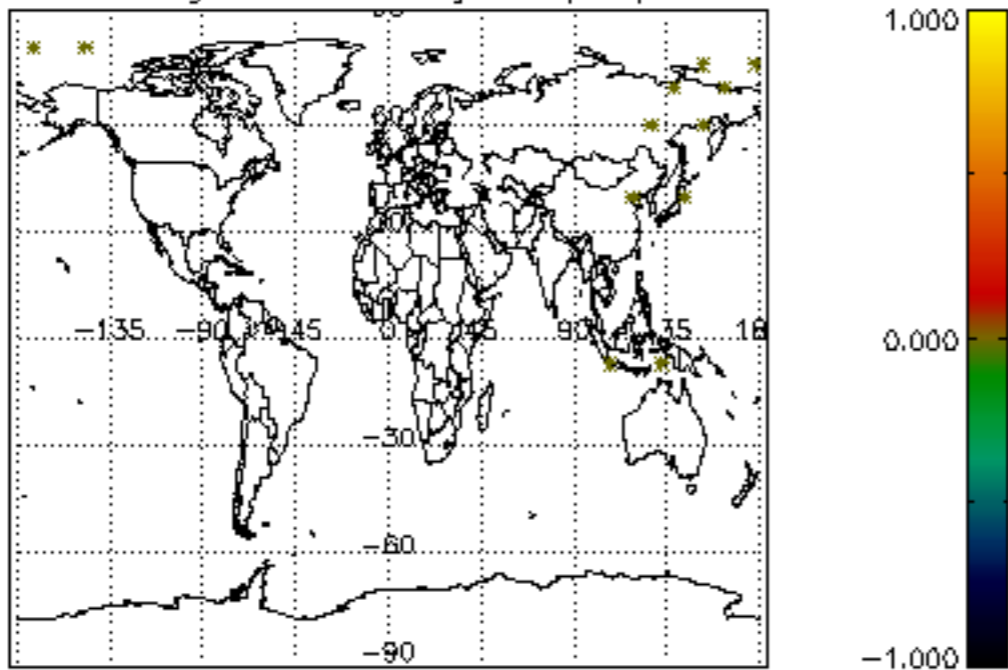
Percentage of star falling outside central band per profile



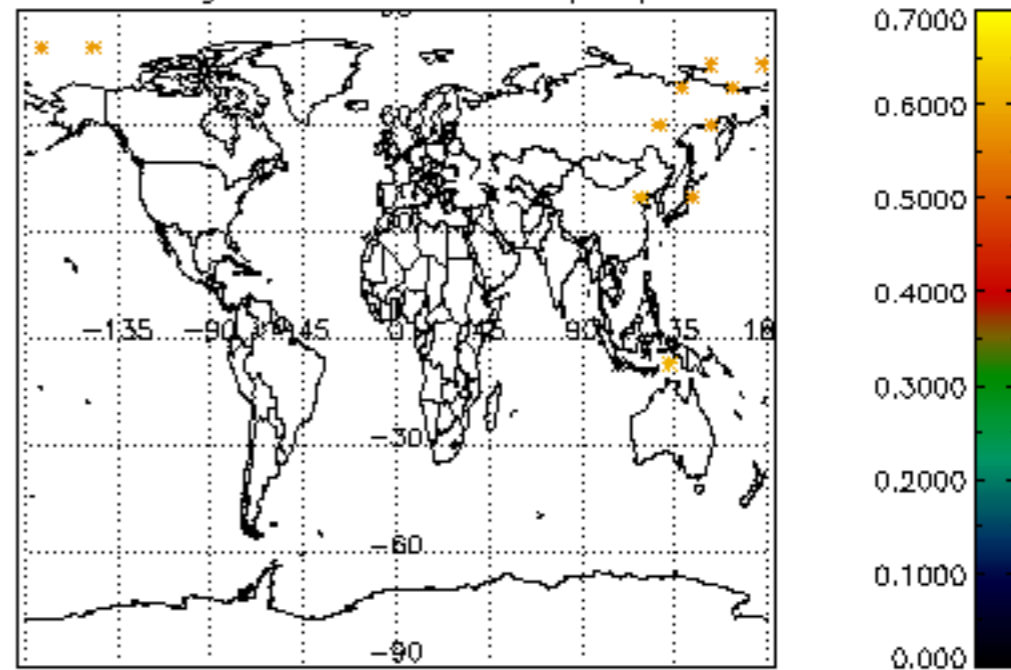
Percentage of saturation errors per profile



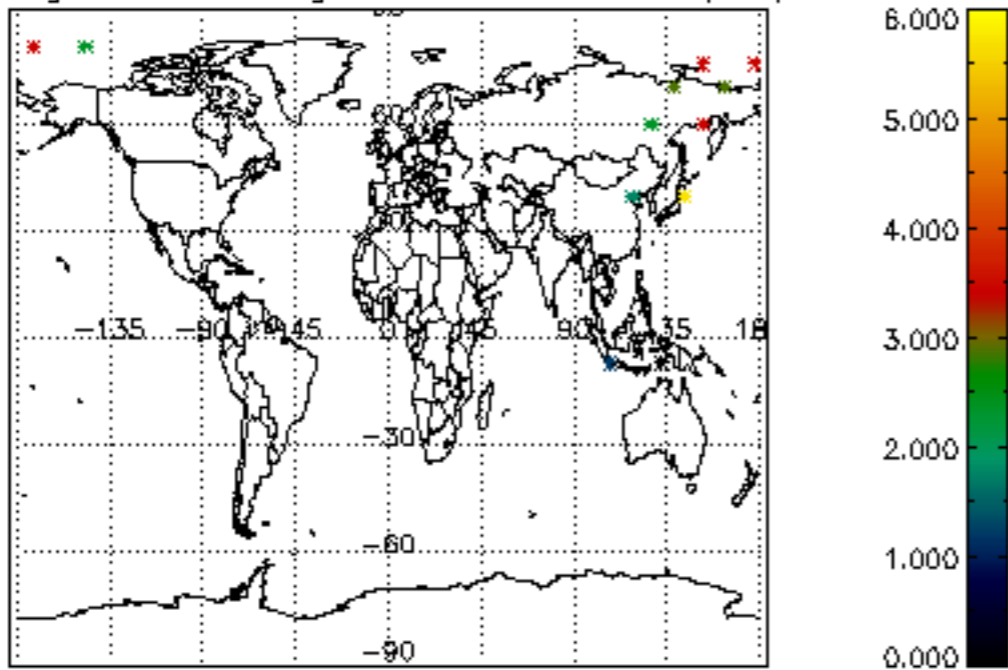
Percentage of cosmic ray hits per profile



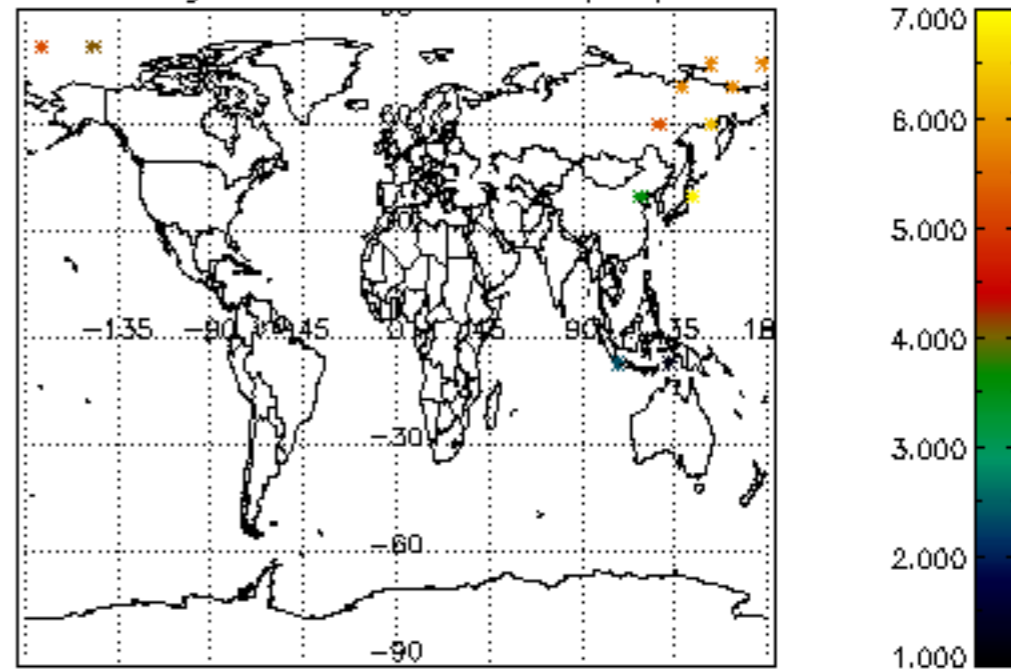
Percentage of datation errors per profile

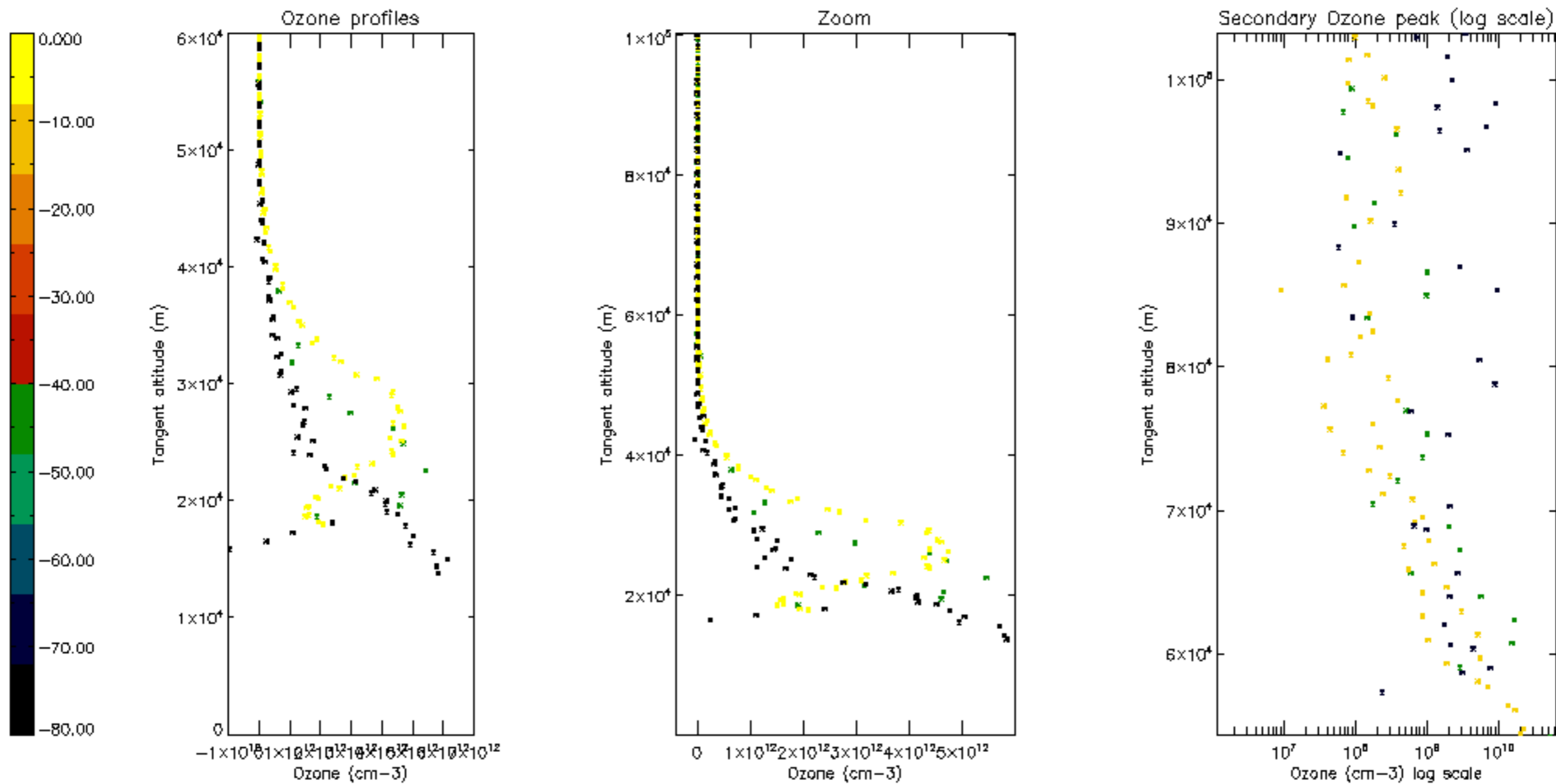


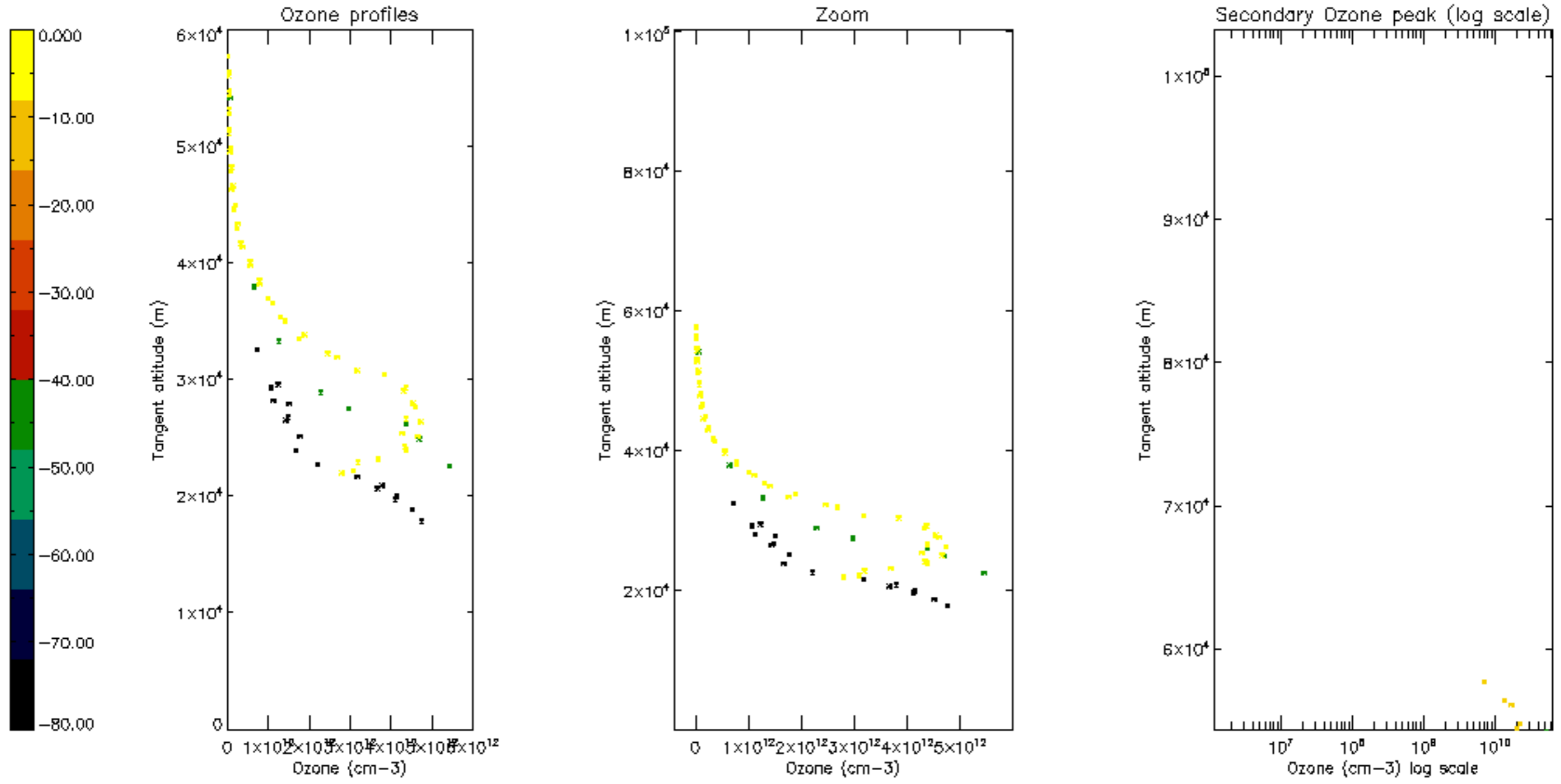
Percentage of star falling outside central band per profile

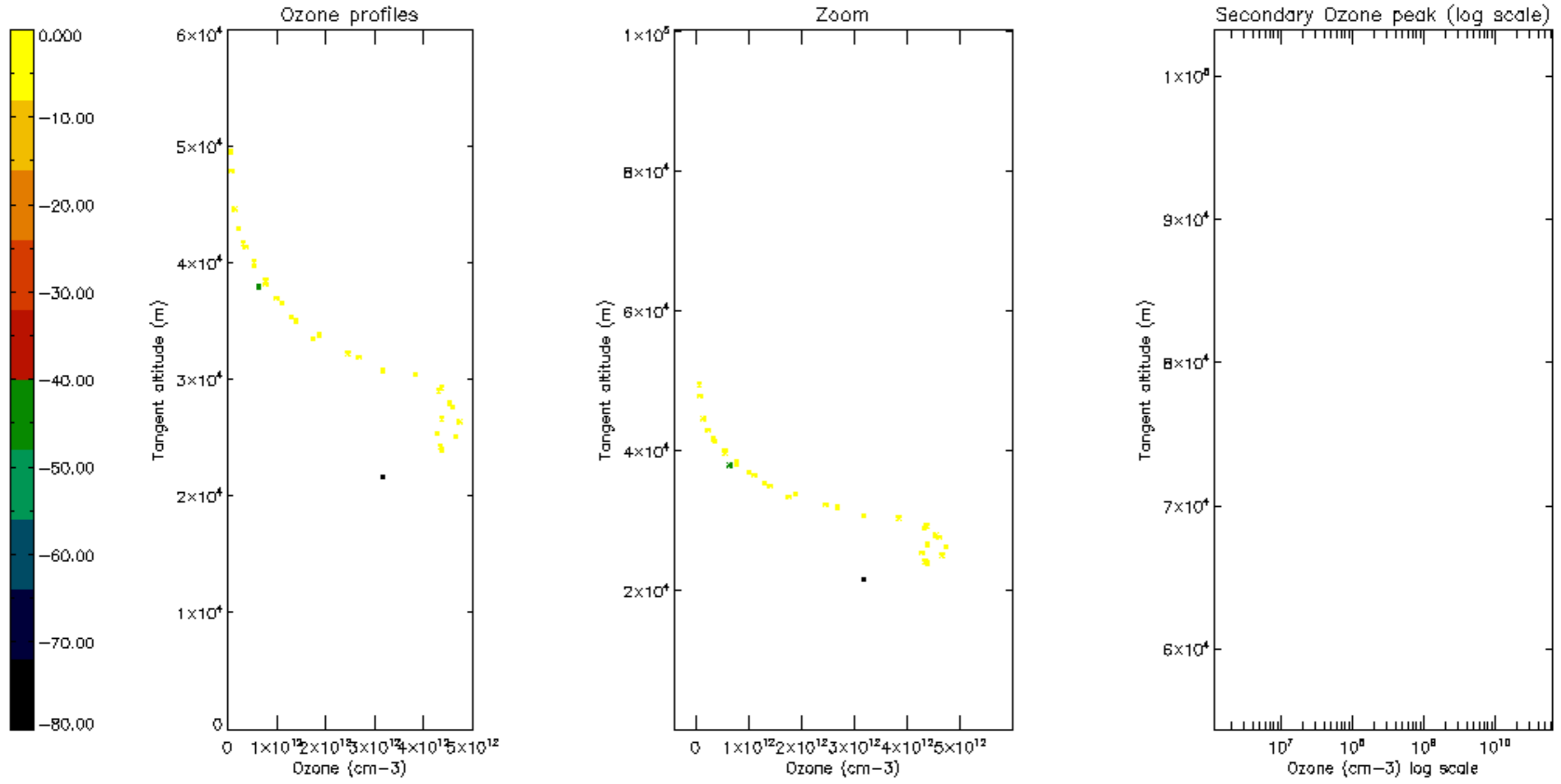


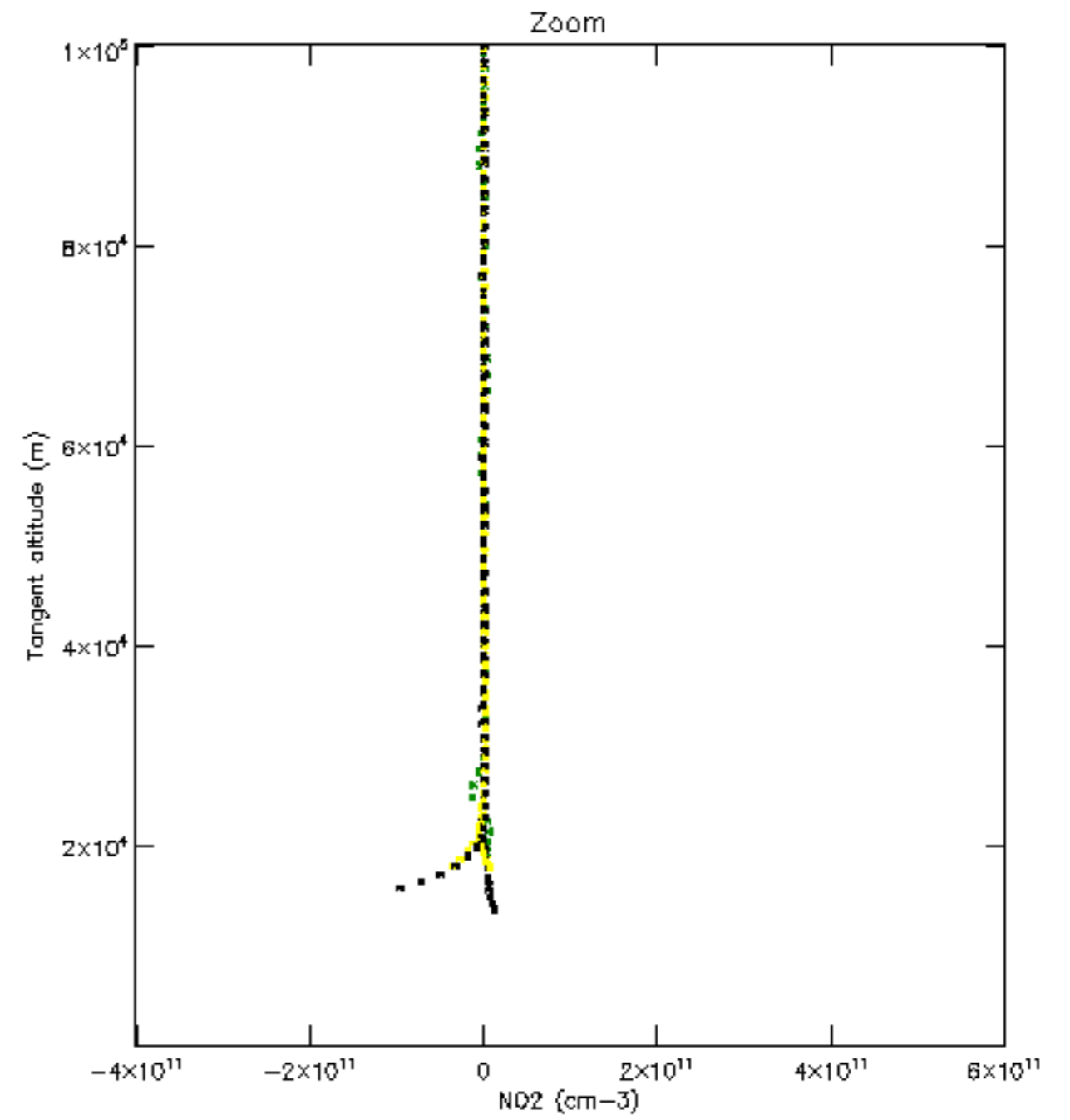
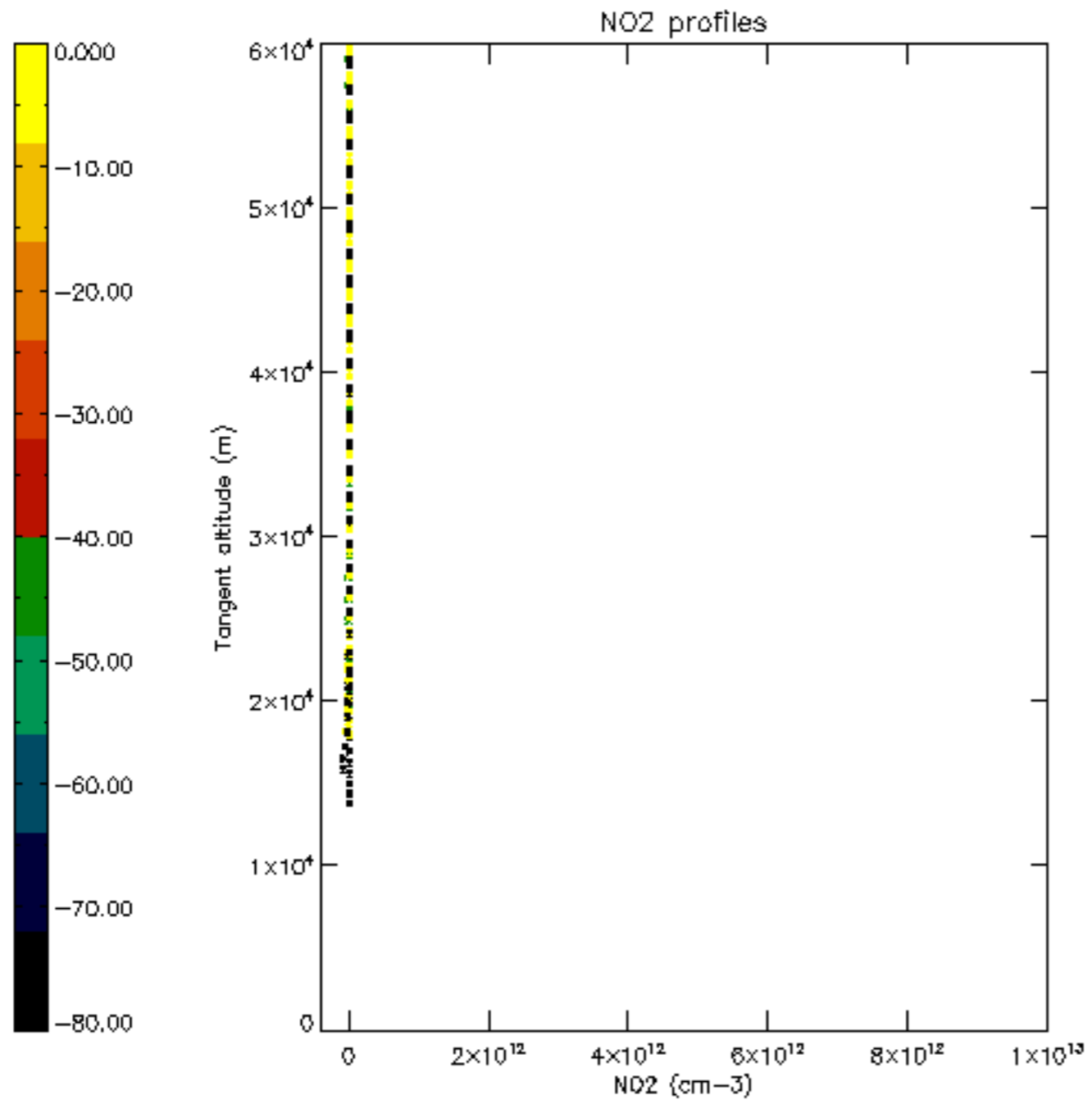
Percentage of saturation errors per profile

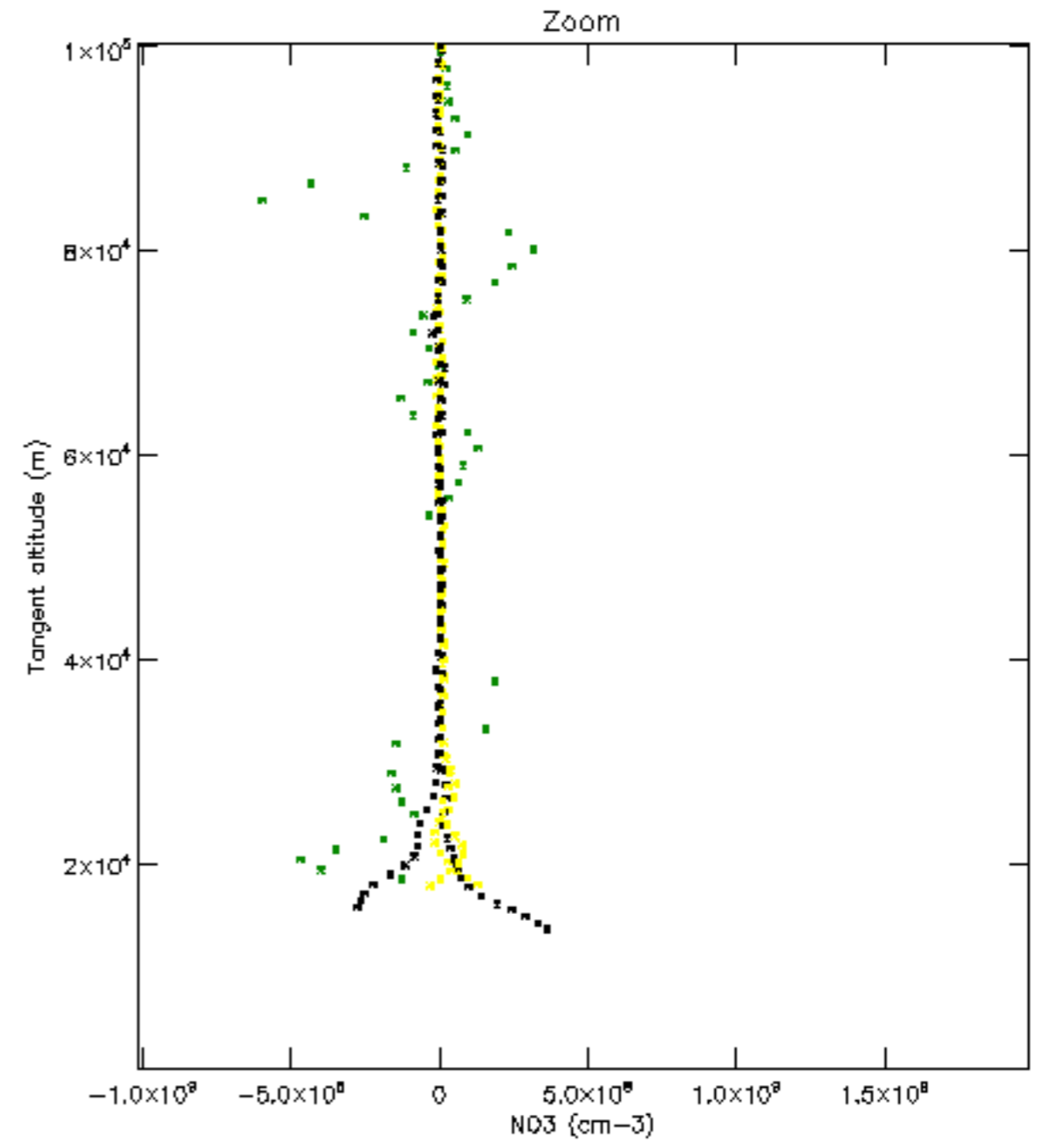
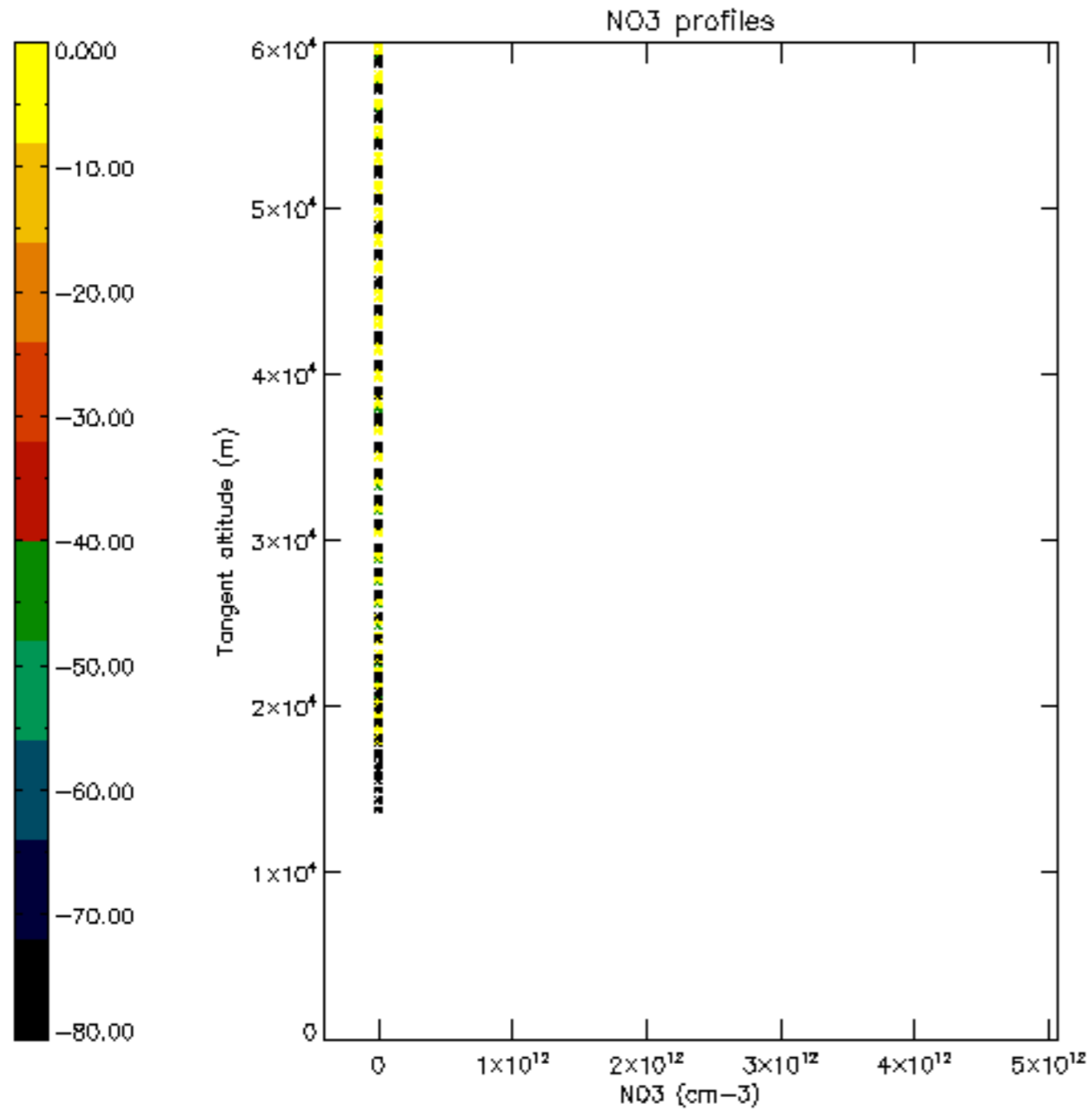


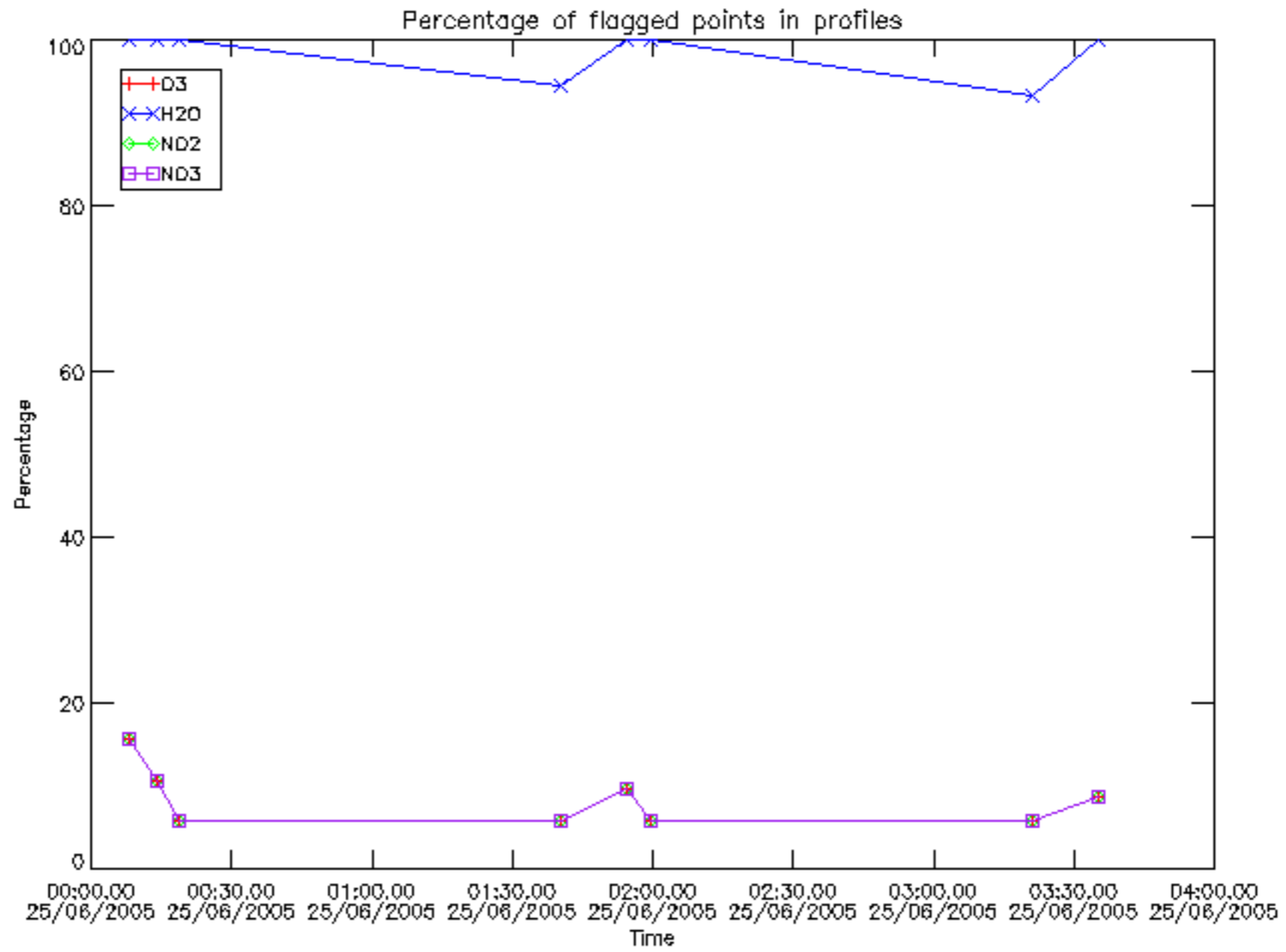




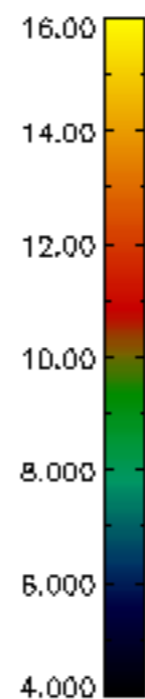
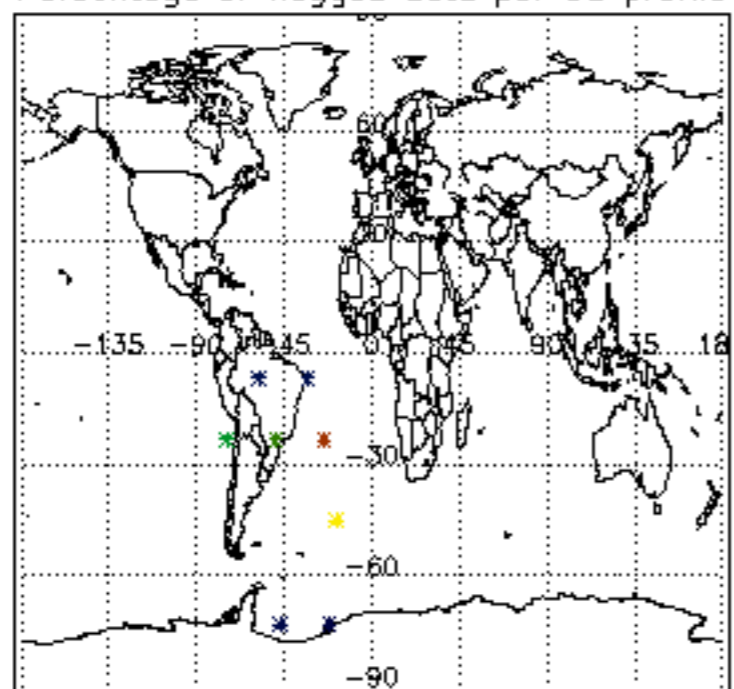




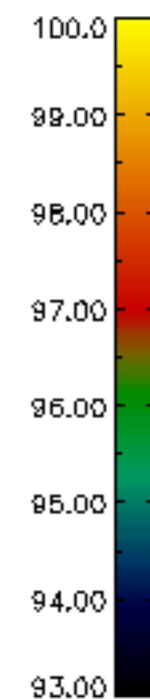
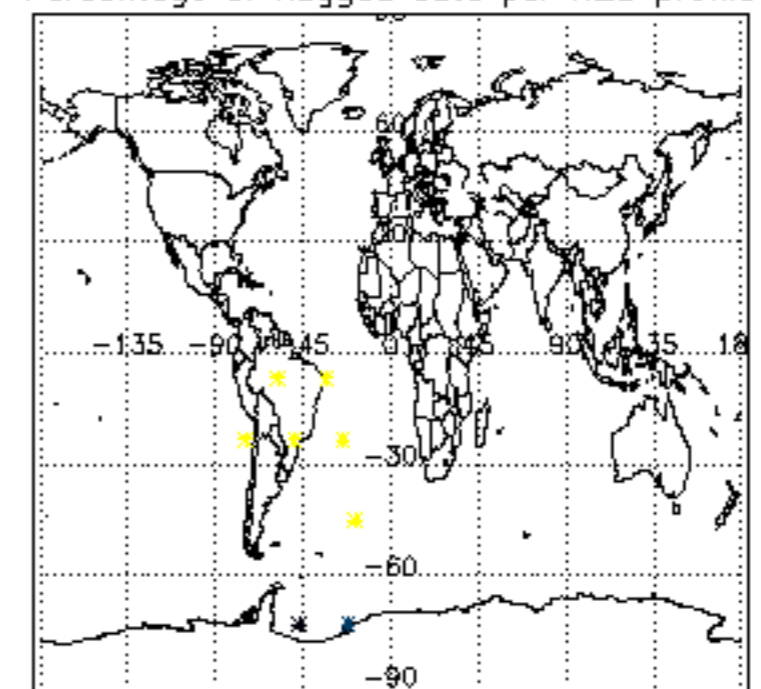




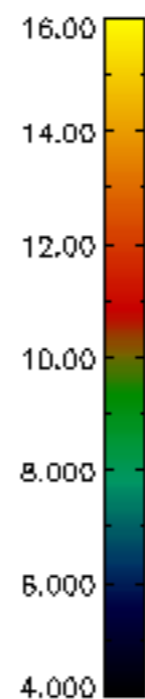
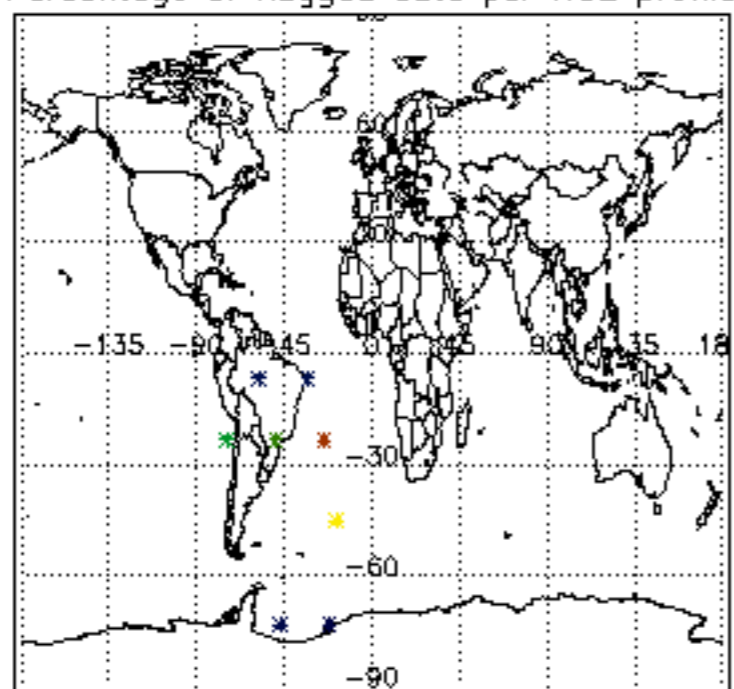
Percentage of flagged data per D3 profile



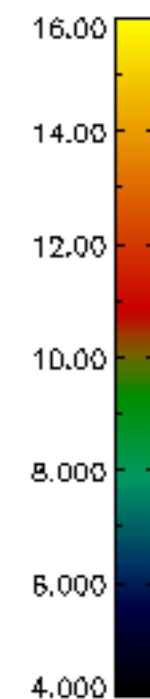
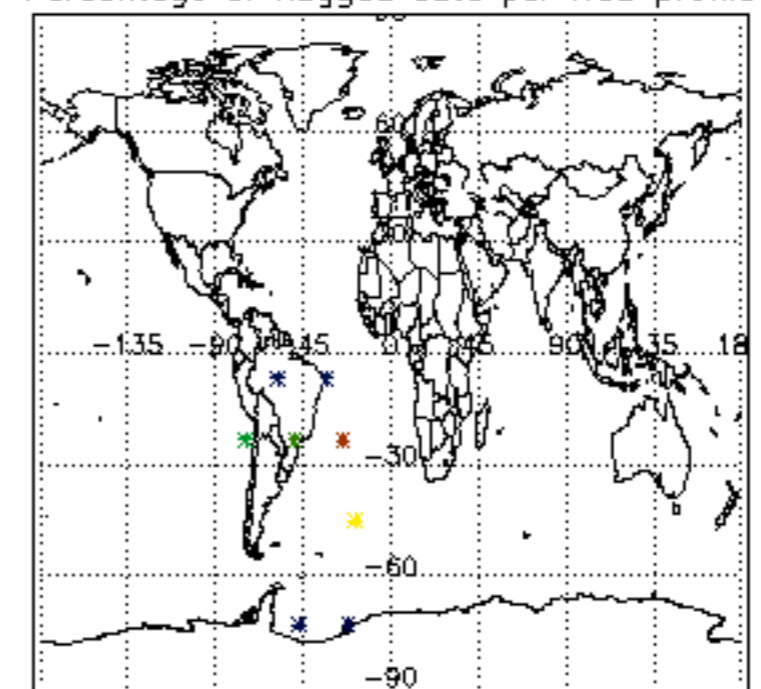
Percentage of flagged data per H2O profile

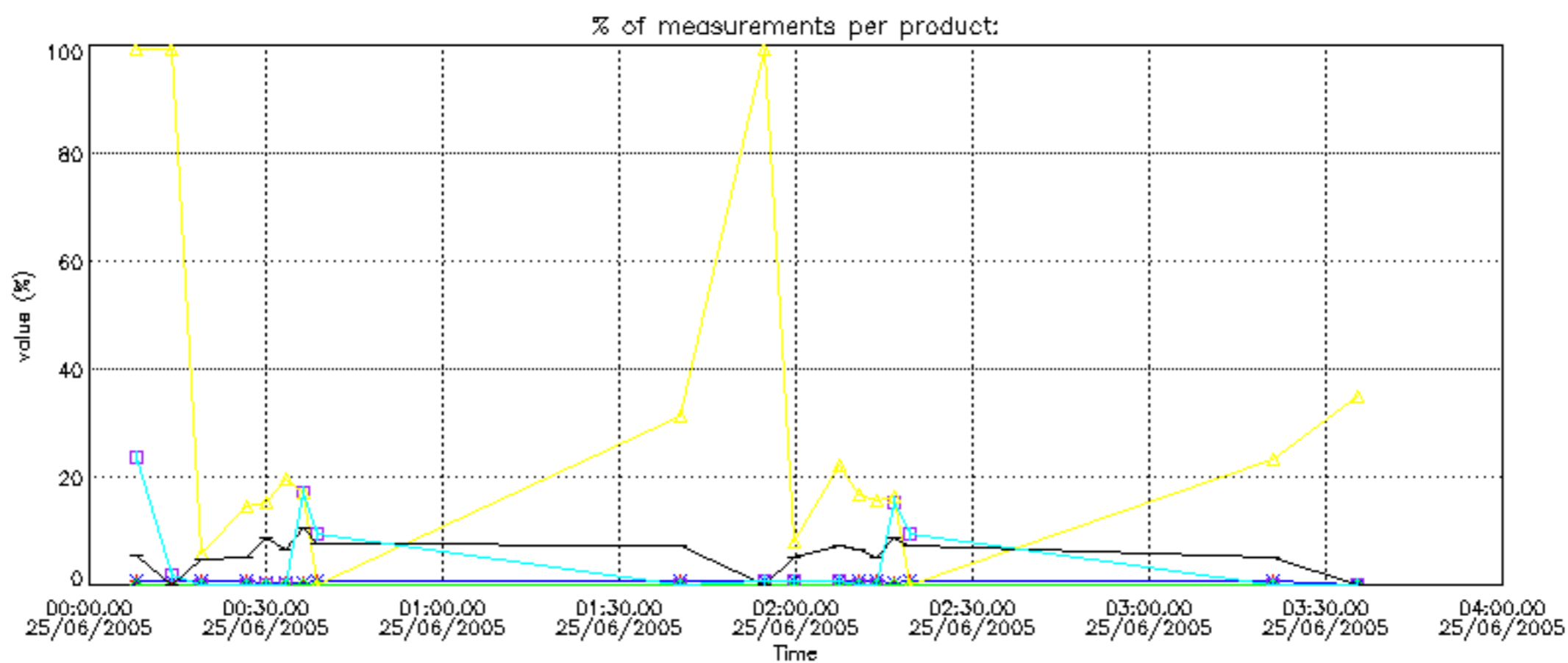


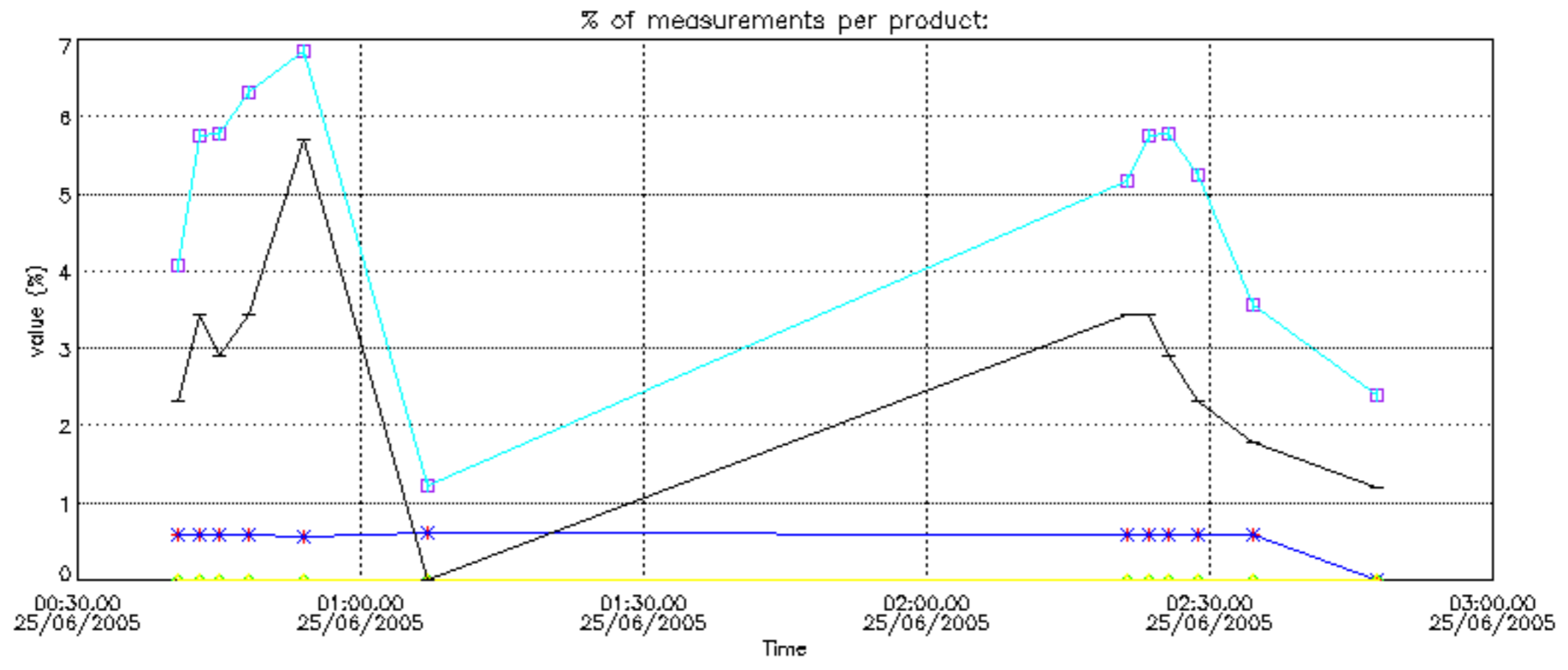
Percentage of flagged data per NO2 profile



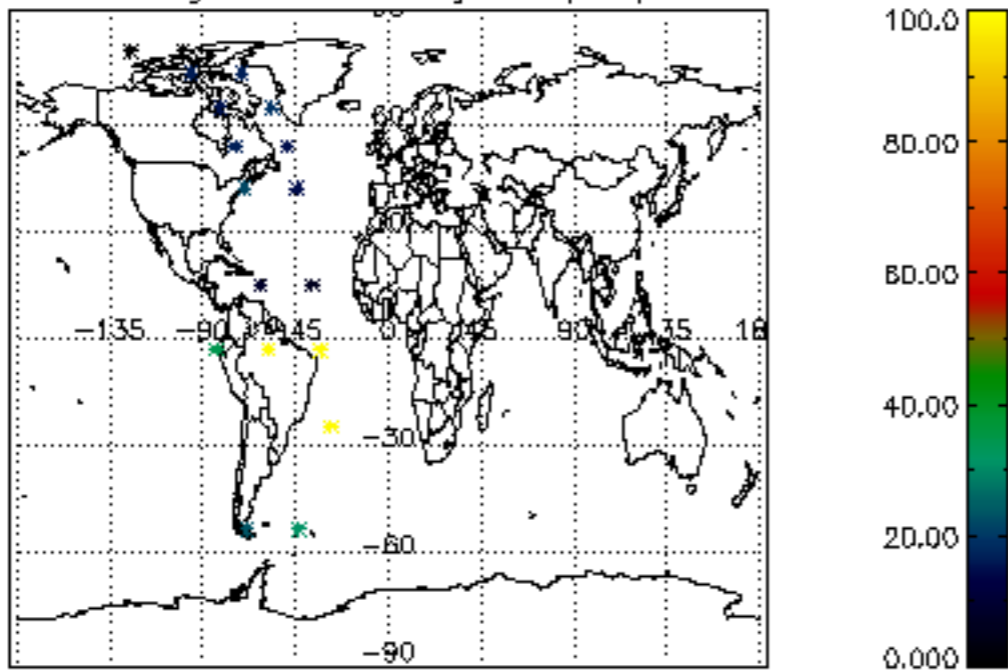
Percentage of flagged data per NO3 profile



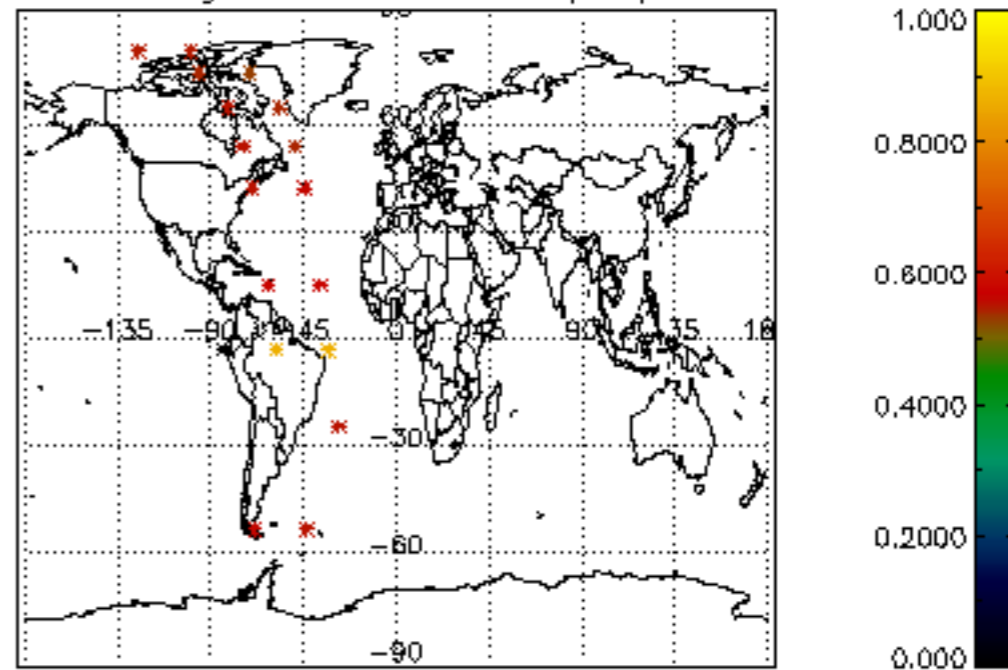




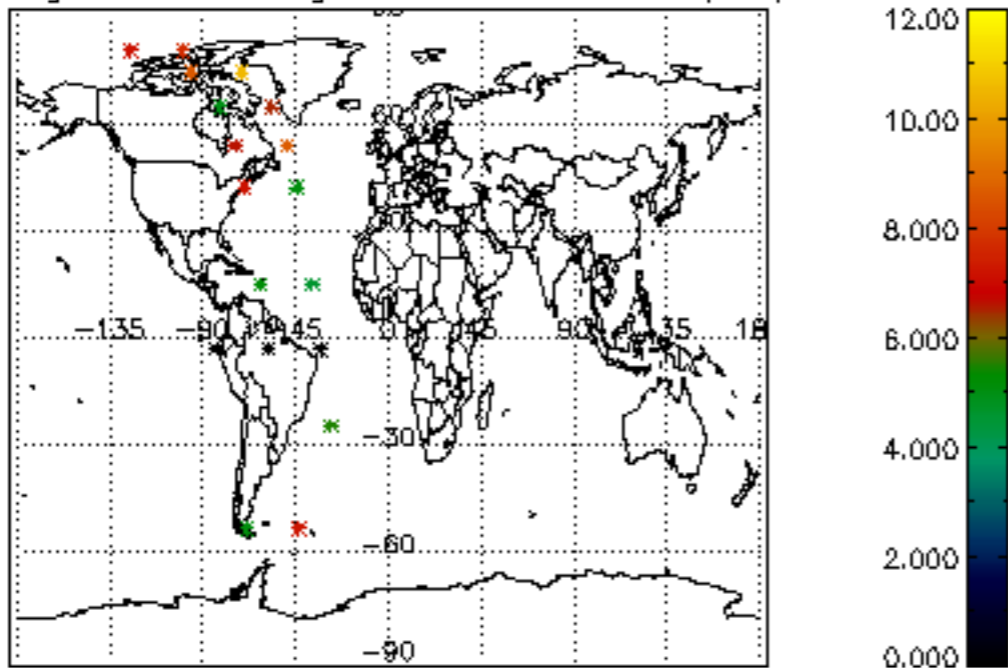
Percentage of cosmic ray hits per profile



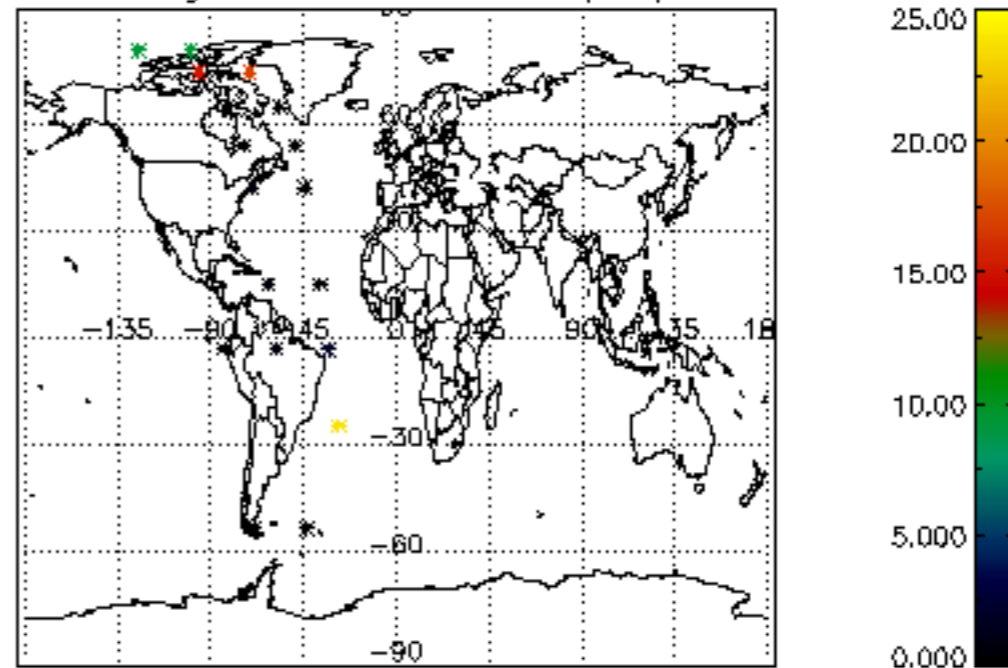
Percentage of datation errors per profile



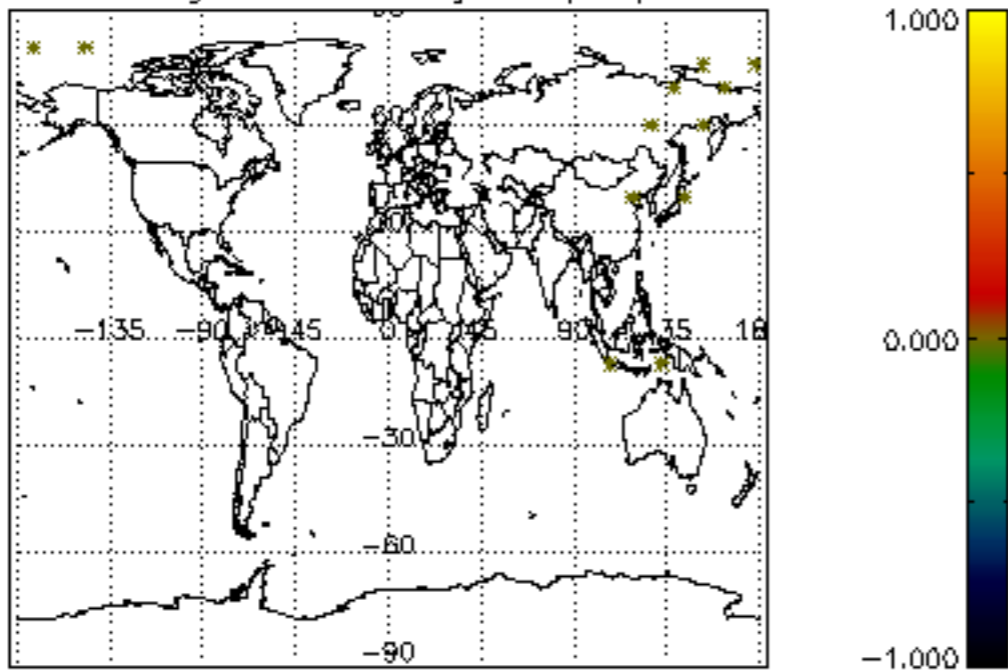
Percentage of star falling outside central band per profile



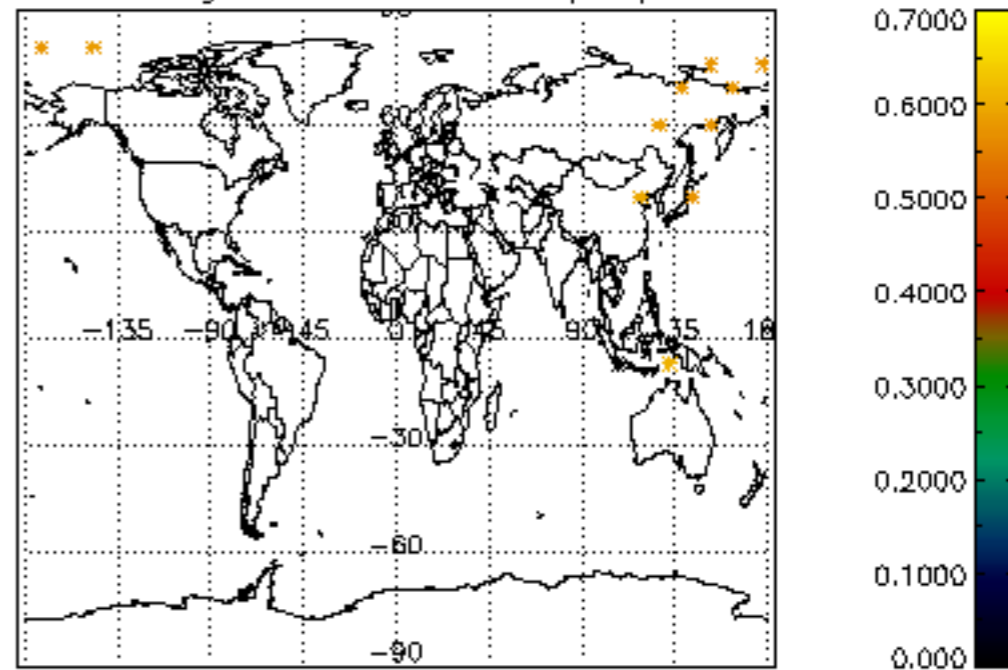
Percentage of saturation errors per profile



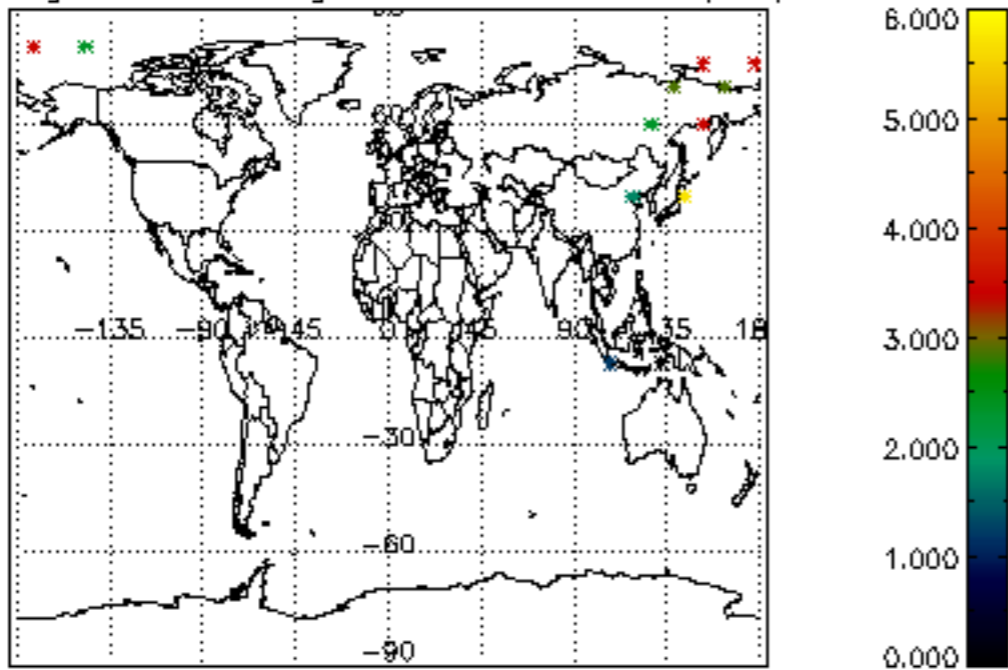
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

