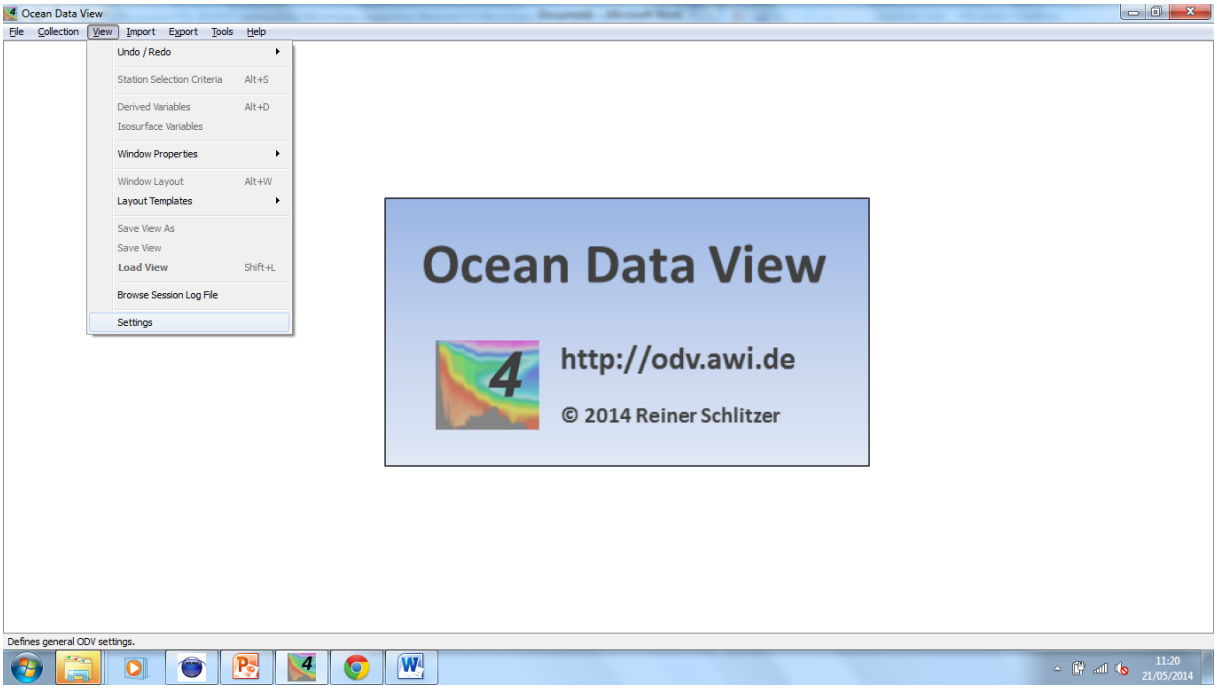
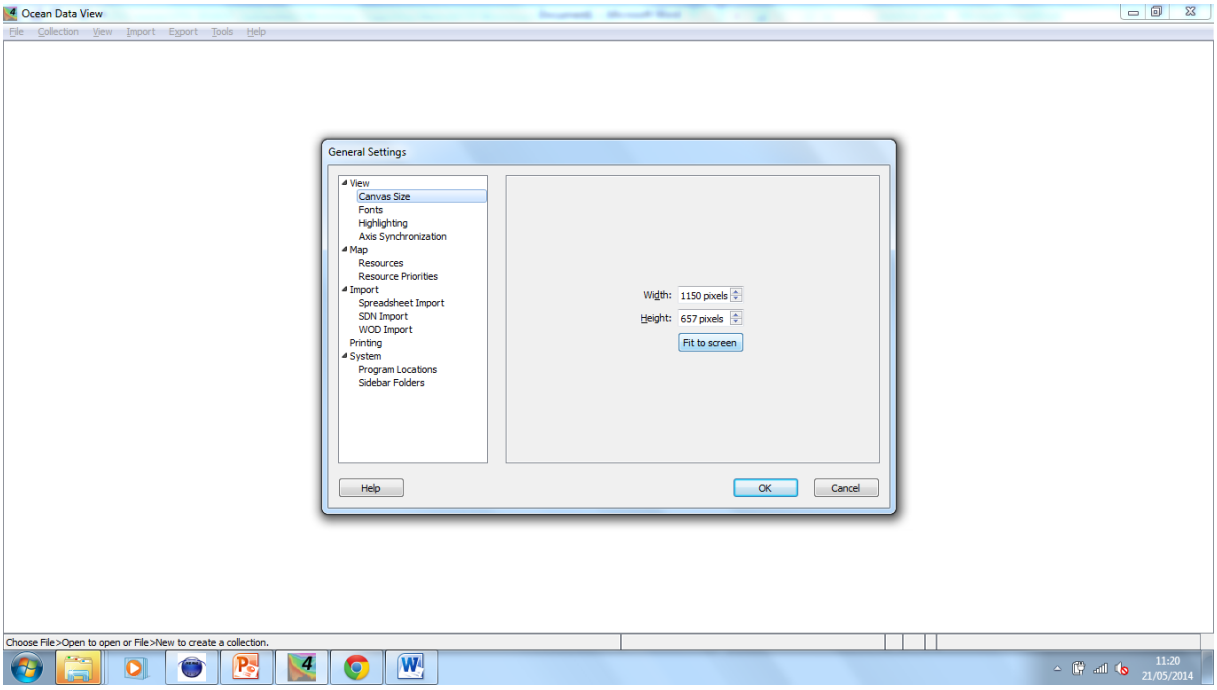
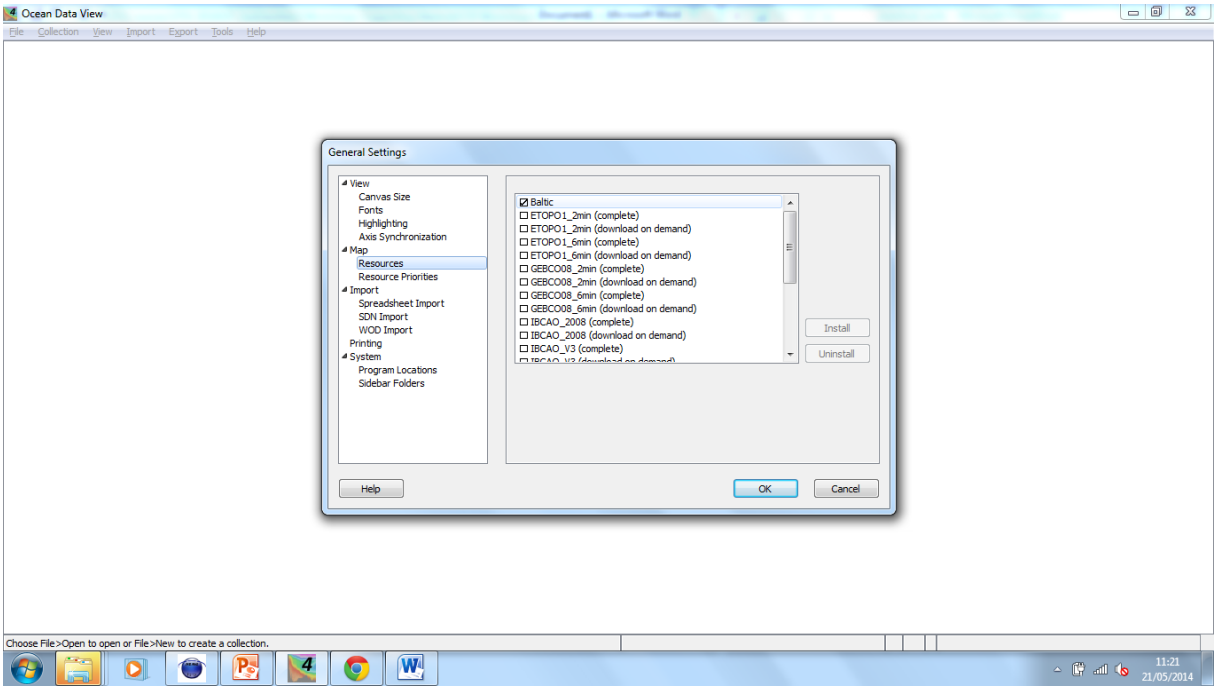
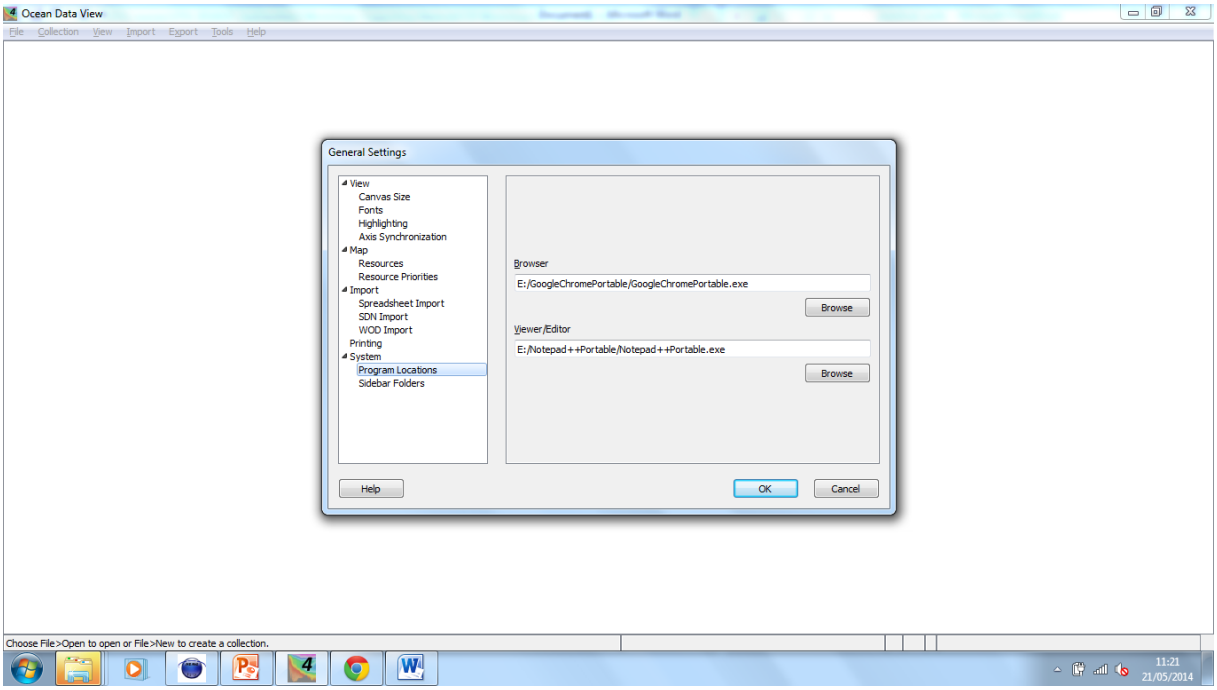
OCEAN DATA VIEW

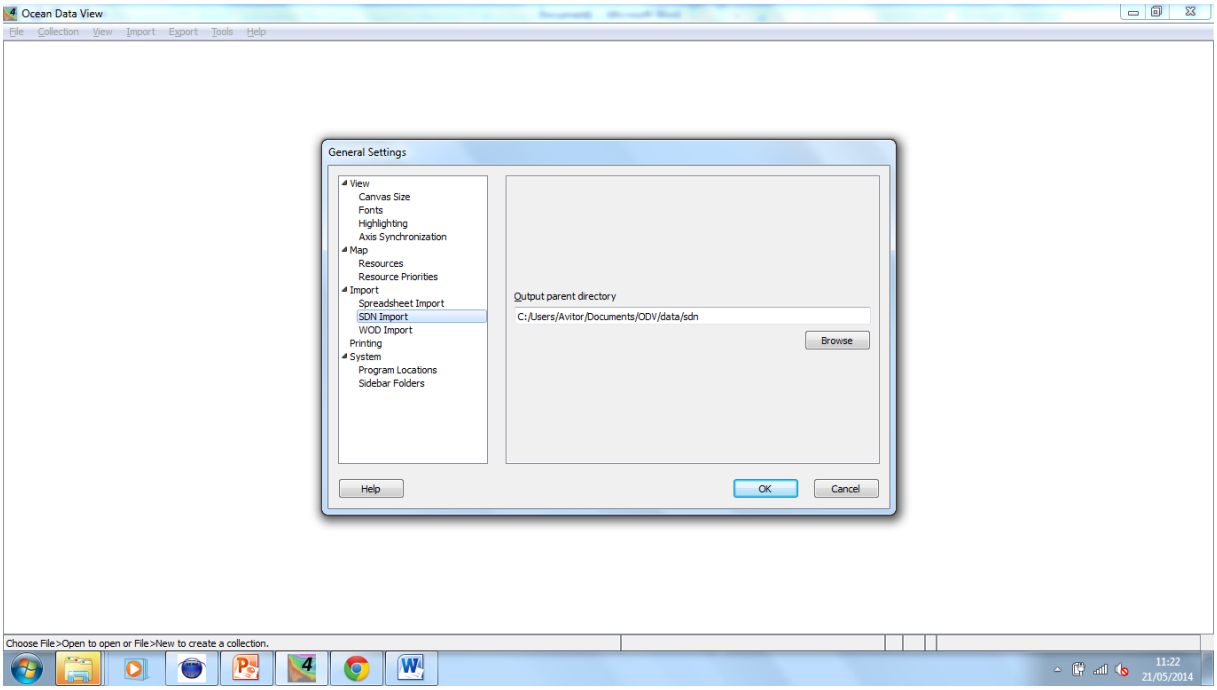


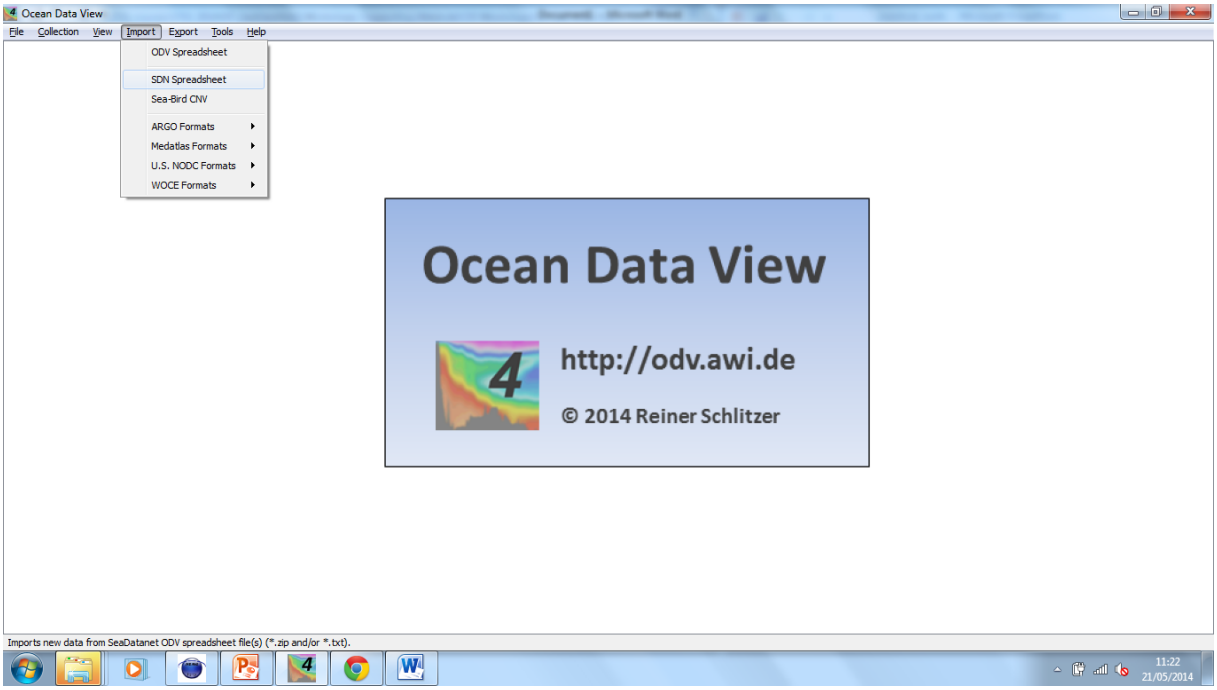


FIT TO SCREEN

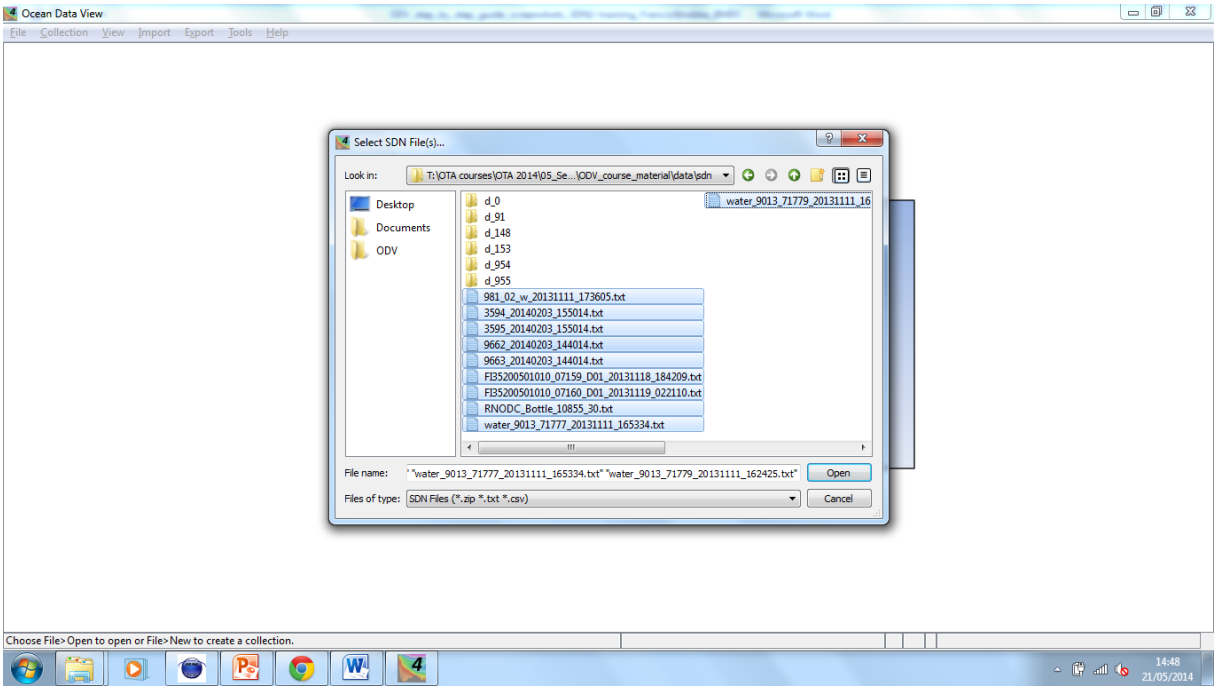

Ocean Data View
File Collection View Import Export Tools Help
General Settings
View
Canvas Size
Fonts
Highlighting
Axis Synchronization
Map
Resources
Resource Priorities
Import
Spreadsheet Import
SDN Import
WOD Import
Printing
System
Program Locations
Sidebar Folders
Baltic
ETOPO1_2min (complete)
ETOPO1_2min (download on demand)
ETOPO1_6min (complete)
ETOPO1_6min (download on demand)
GEBCO08_2min (complete)
GEBCO08_2min (download on demand)
GEBCO08_6min (complete)
GEBCO08_6min (download on demand)
IBCAO_2008 (complete)
IBCAO_2008 (download on demand)
IBCAO_V3 (complete)
Install
Uninstall
Help
OK
Cancel
Choose File>Open to open or File>New to create a collection.
11:21
21/05/2014


Ocean Data View
File Collection View Import Export Tools Help
General Settings
View
Canvas Size
Fonts
Highlighting
Axis Synchronization
Map
Resources
Resource Priorities
Import
Spreadsheet Import
SDN Import
WOD Import
Printing
System
Program Locations
Sidebar Folders
Browser
E:/GoogleChromePortable/GoogleChromePortable.exe
Browse
Viewer/Editor
E:/Notepad++Portable/Notepad++Portable.exe
Browse
Help
OK
Cancel
Choose File>Open to open or File>New to create a collection.
11:21
21/05/2014

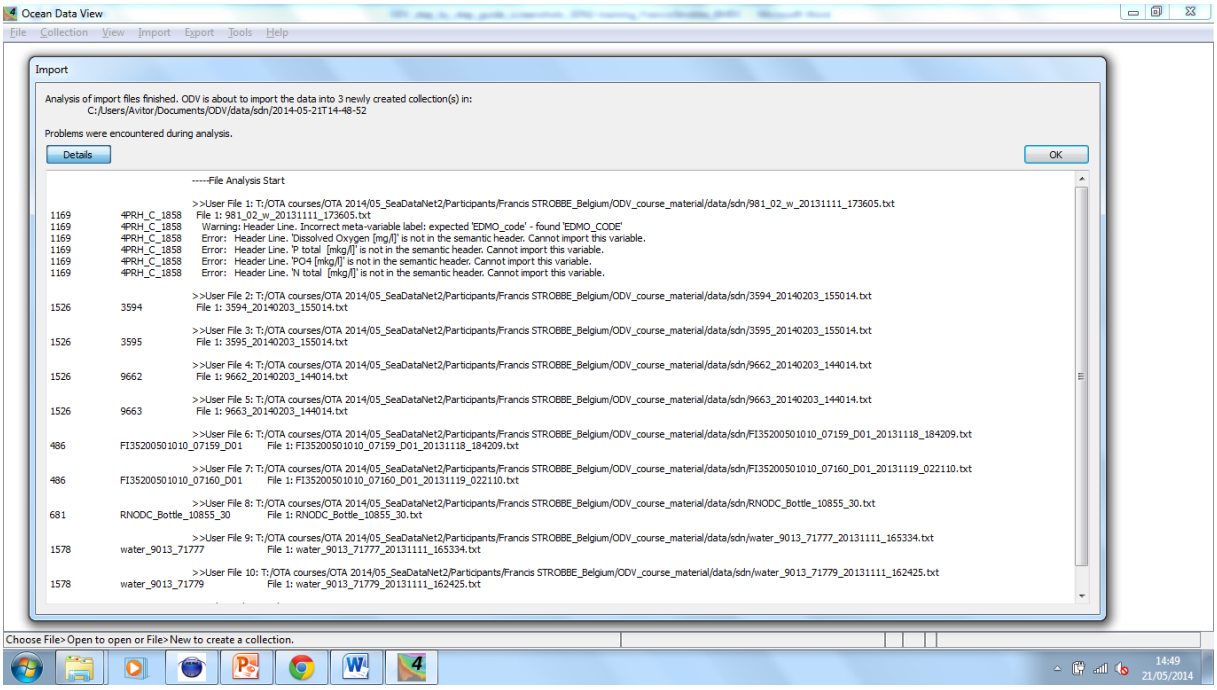




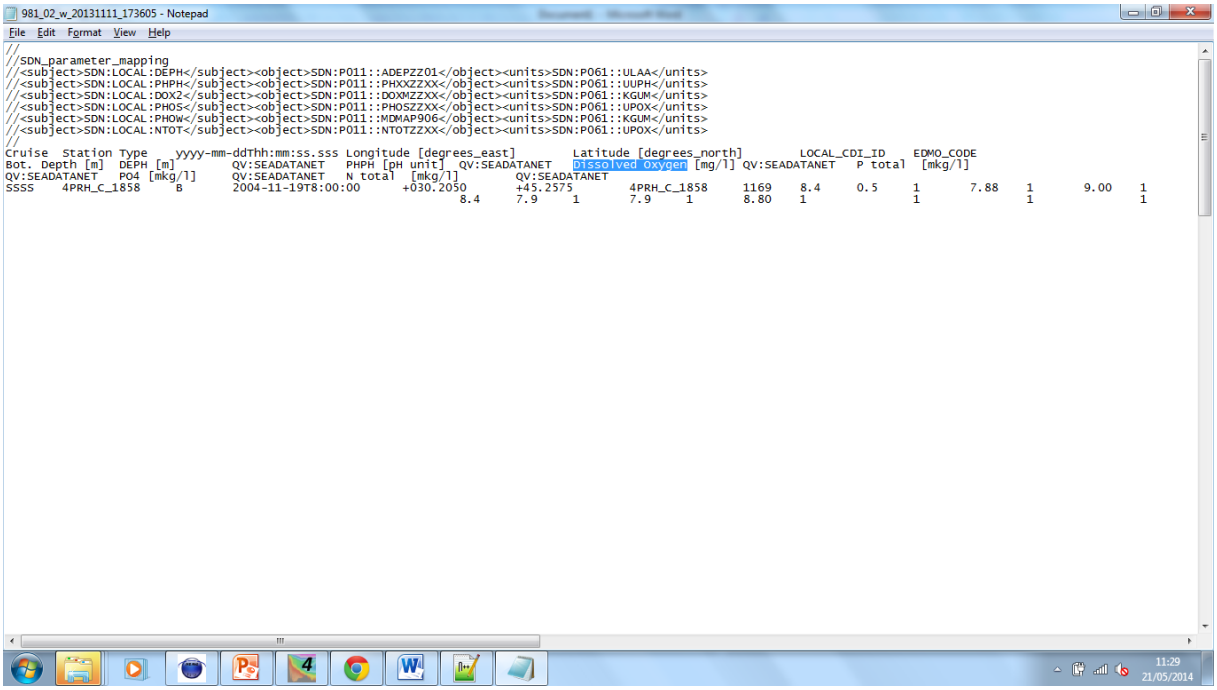
CHOOSE SDN Spreadsheet



SELECT MULTIPLE FILES

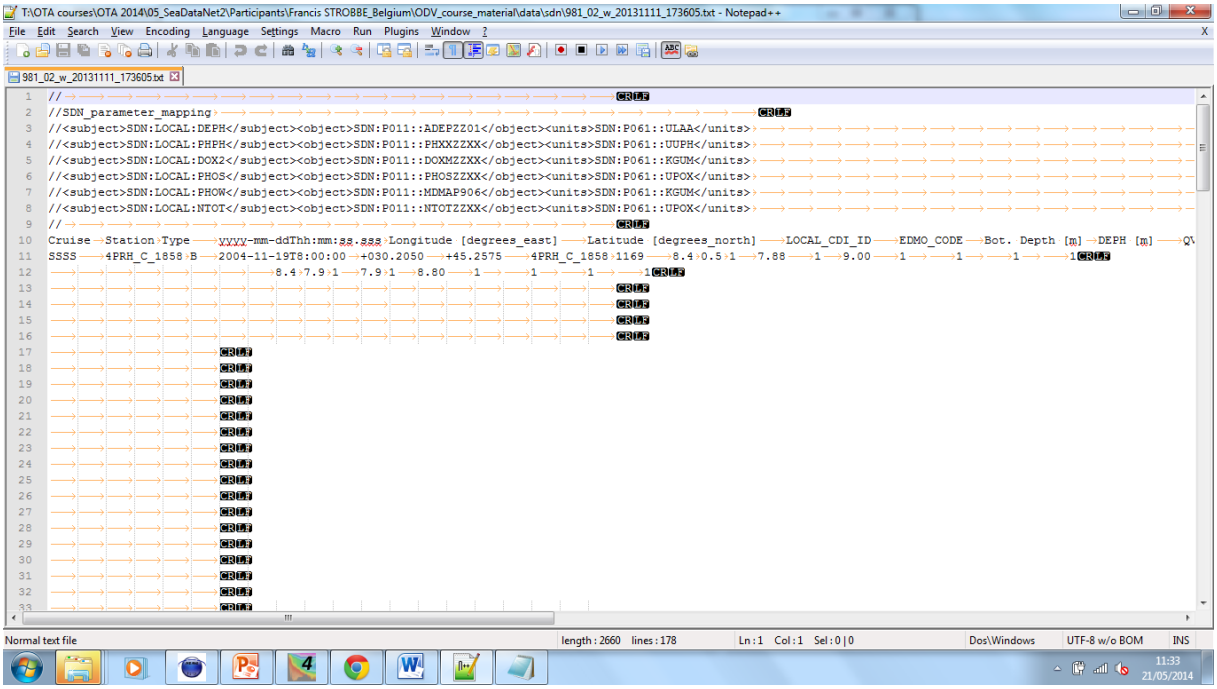


LOOK AT THE POSSIBLE ERRORS BY CLICKING ON DETAILS

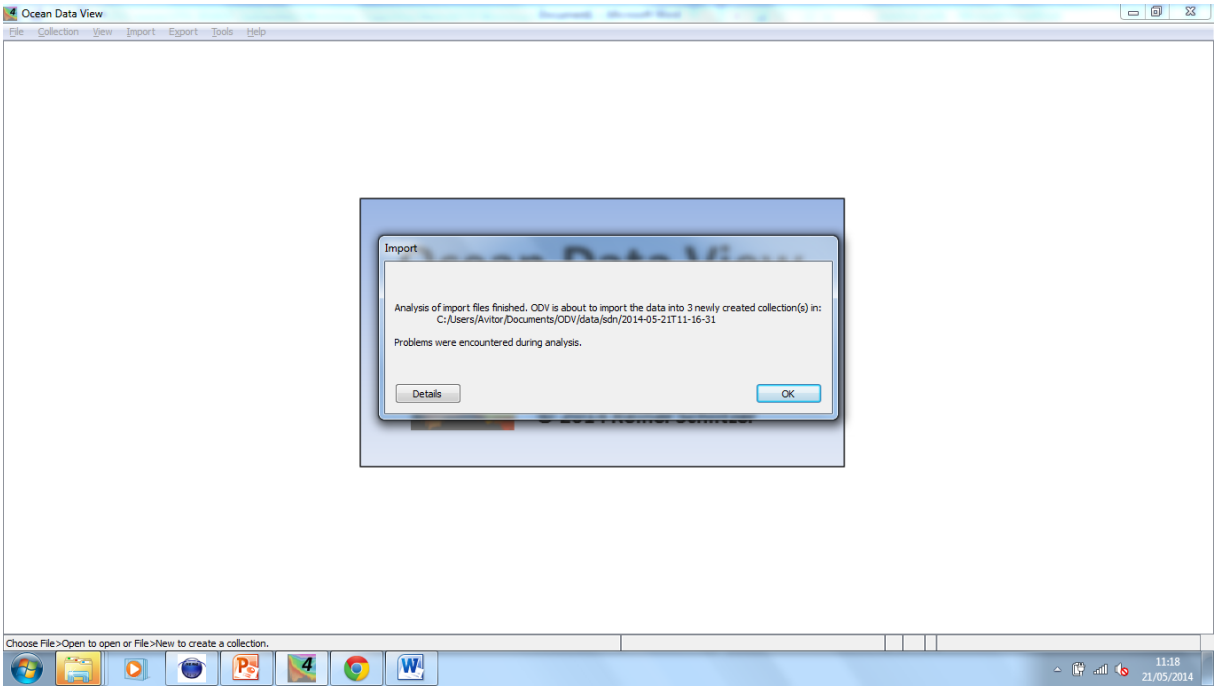


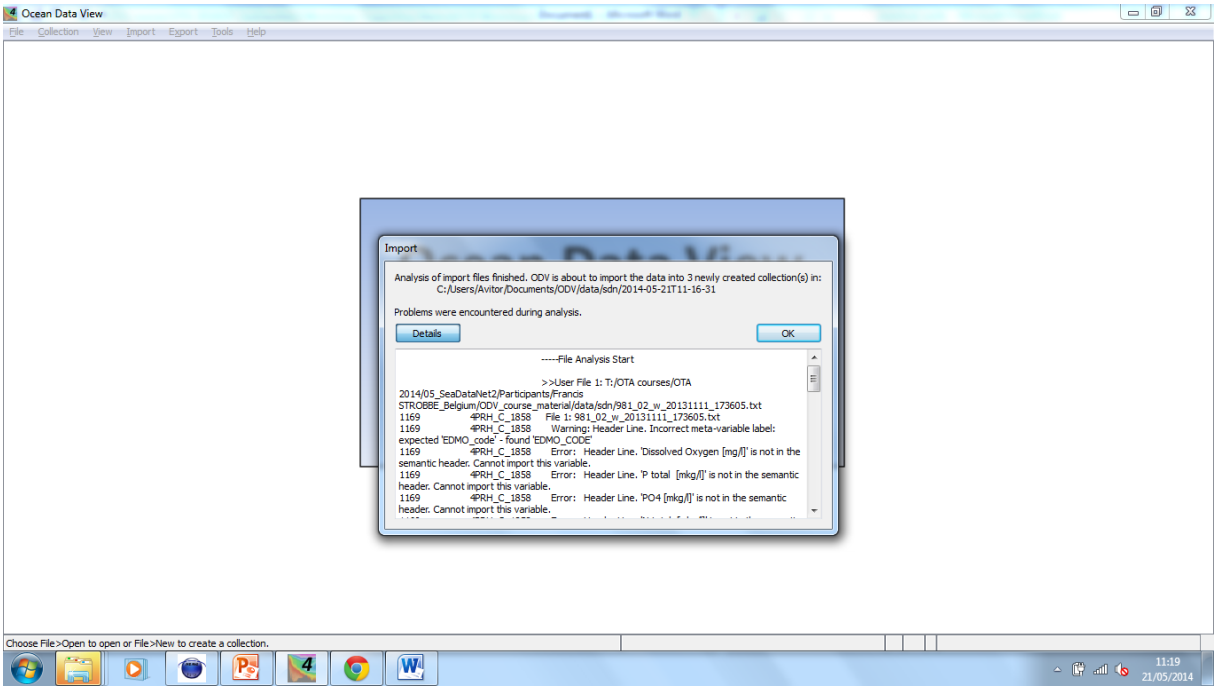
OPEN THE FILE WITH ERRORS IN A NOTEPAD AND SEE FOR THE ERRORS

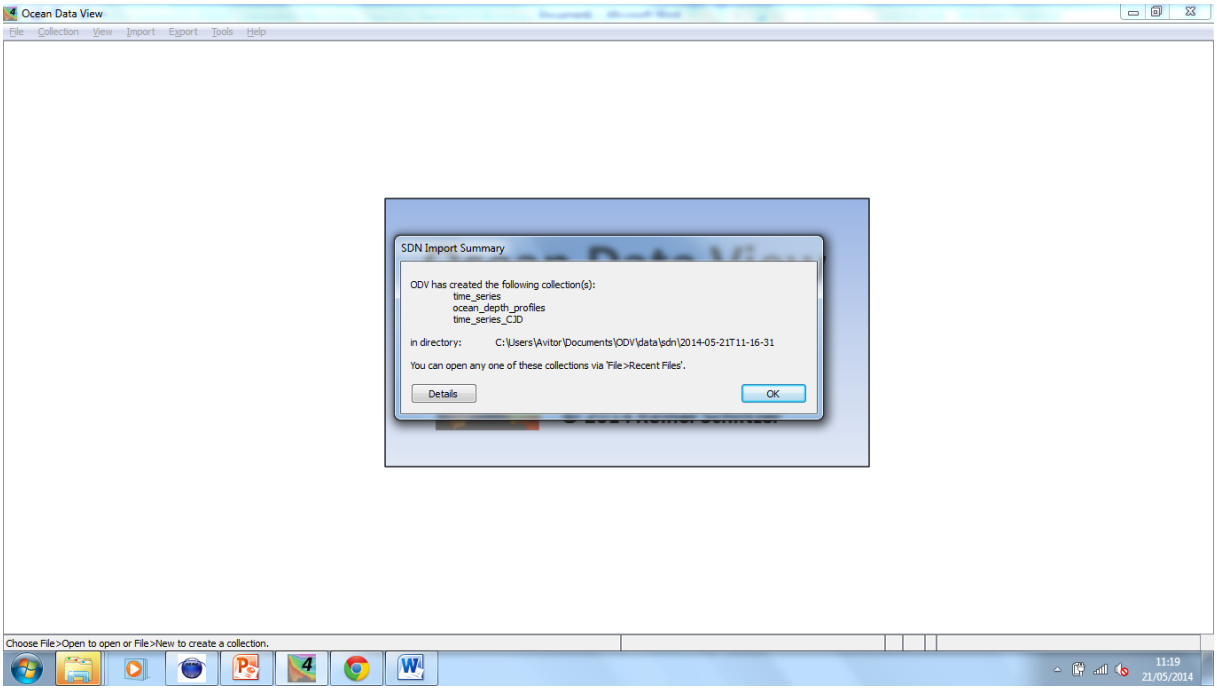
In this case: Dissolved Oxygen should be replaced by DOX2 (or vice versa)

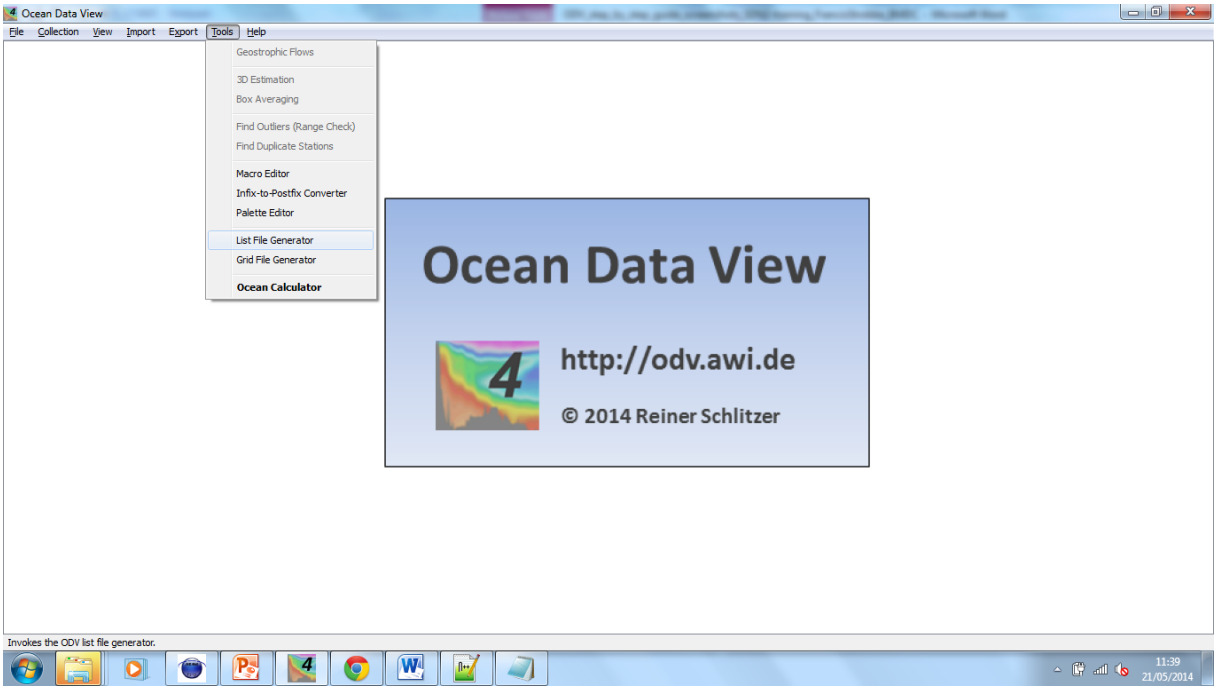


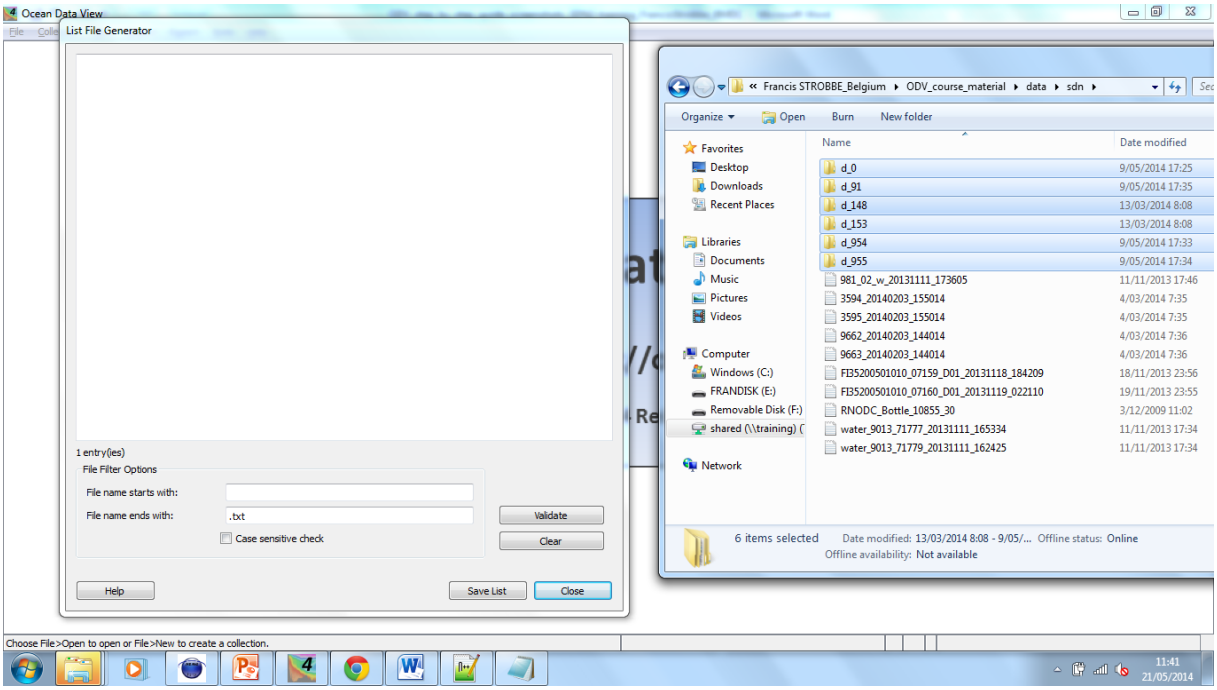
Also; watch out for ‘ ‘ which means there is an empty tab somewhere (can be seen by clicking on ¶ button in Notepad++ (free advanced text editor))


Ocean Data View
File Collection View Import Export Tools Help
Import
Analysis of import files finished. ODV is about to import the data into 3 newly created collection(s) in:
C:/Users/Avitor/Documents/ODV/data/sdn/2014-05-21T11-16-31
Problems were encountered during analysis.
Details
OK
Choose File>Open to open or File>New to create a collection.
11:18
21/05/2014

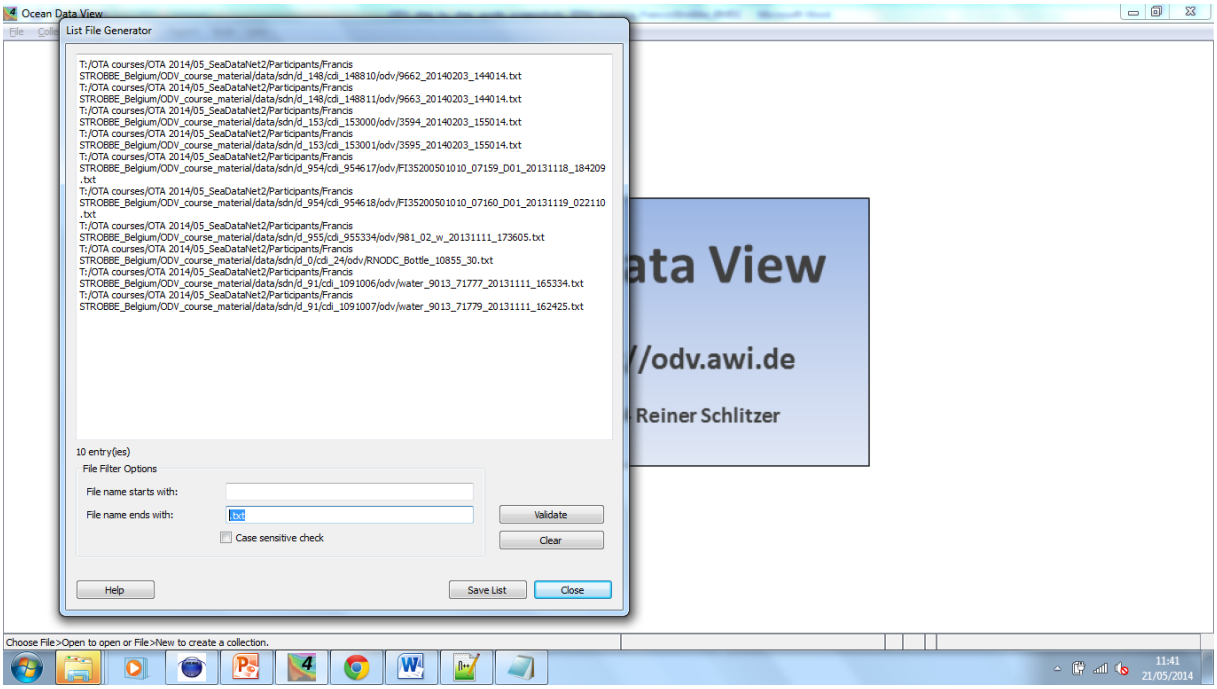

Ocean Data View
File Collection View Import Export Tools Help
Import
Analysis of import files finished. ODV is about to import the data into 3 newly created collection(s) in:
C:/Users/Avitor/Documents/ODV/data/sdn/2014-05-21T11-16-31
Problems were encountered during analysis.
Details
OK
-----File Analysis Start
>>User File 1: T:/OTA courses/OTA
2014/05_SeaDataNet2/Participants/Francis
STROBBE_Belgium/ODV_course_material/data/sdn/981_02_w_20131111_173605.txt
1169 4PRH_C_1858 File 1: 981_02_w_20131111_173605.txt
1169 4PRH_C_1858 Warning: Header Line. Incorrect meta-variable label:
expected 'EDMO_code' - found 'EDMO_CODE'
1169 4PRH_C_1858 Error: Header Line. 'Dissolved Oxygen [mg/l]' is not in the
semantic header. Cannot import this variable.
1169 4PRH_C_1858 Error: Header Line. 'P total [mkg/l]' is not in the semantic
header. Cannot import this variable.
1169 4PRH_C_1858 Error: Header Line. 'PO4 [mkg/l]' is not in the semantic
header. Cannot import this variable.
Choose File>Open to open or File>New to create a collection.
11:19
21/05/2014


Ocean Data View
File Collection View Import Export Tools Help
SDN Import Summary
ODV has created the following collection(s):
time_series
ocean_depth_profiles
time_series_CJD
in directory: C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-16-31
You can open any one of these collections via 'File>Recent Files'.
Details
OK
Choose File>Open to open or File>New to create a collection.
11:19
21/05/2014

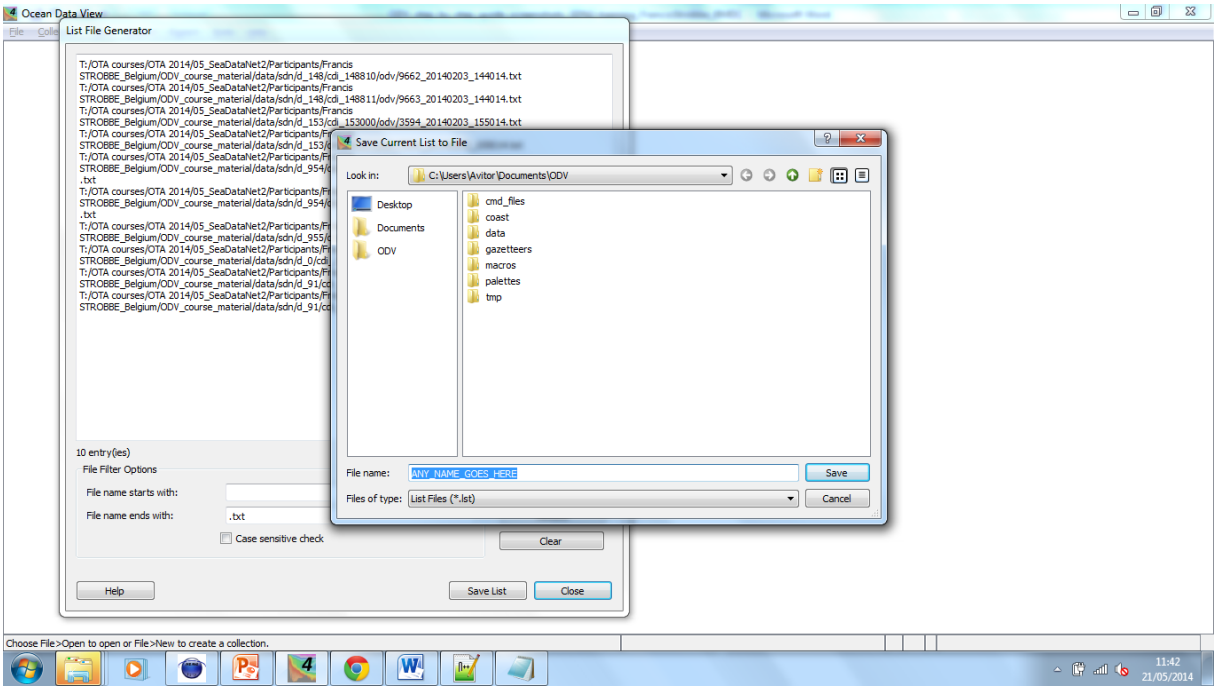

Ocean Data View
File Collection View Import Export Tools Help
Geostrophic Flows
3D Estimation
Box Averaging
Find Outliers (Range Check)
Find Duplicate Stations
Macro Editor
Infix-to-Postfix Converter
Palette Editor
List File Generator
Grid File Generator
Ocean Calculator
Ocean Data View
http://odv.awi.de
© 2014 Reiner Schlitzer
Invokes the ODV list file generator.
11:39
21/05/2014

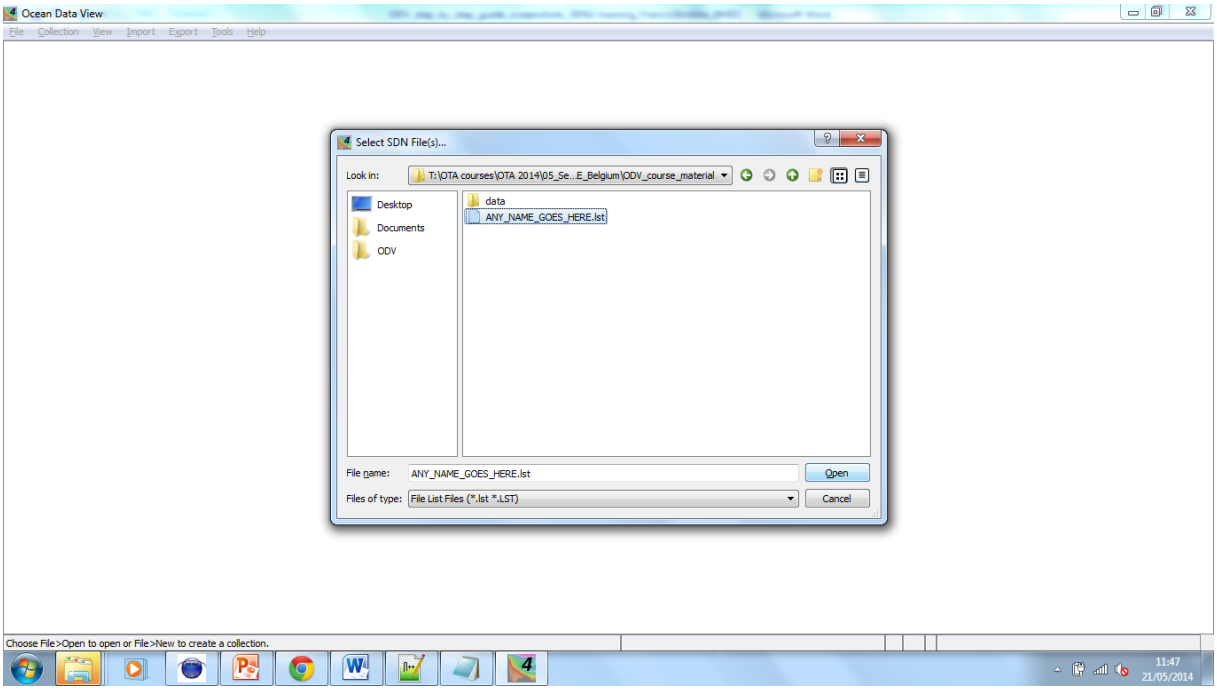


DRAG'N'DROP THE FOLDERS IN THE *LIST FILE GENERATOR* WINDOW,

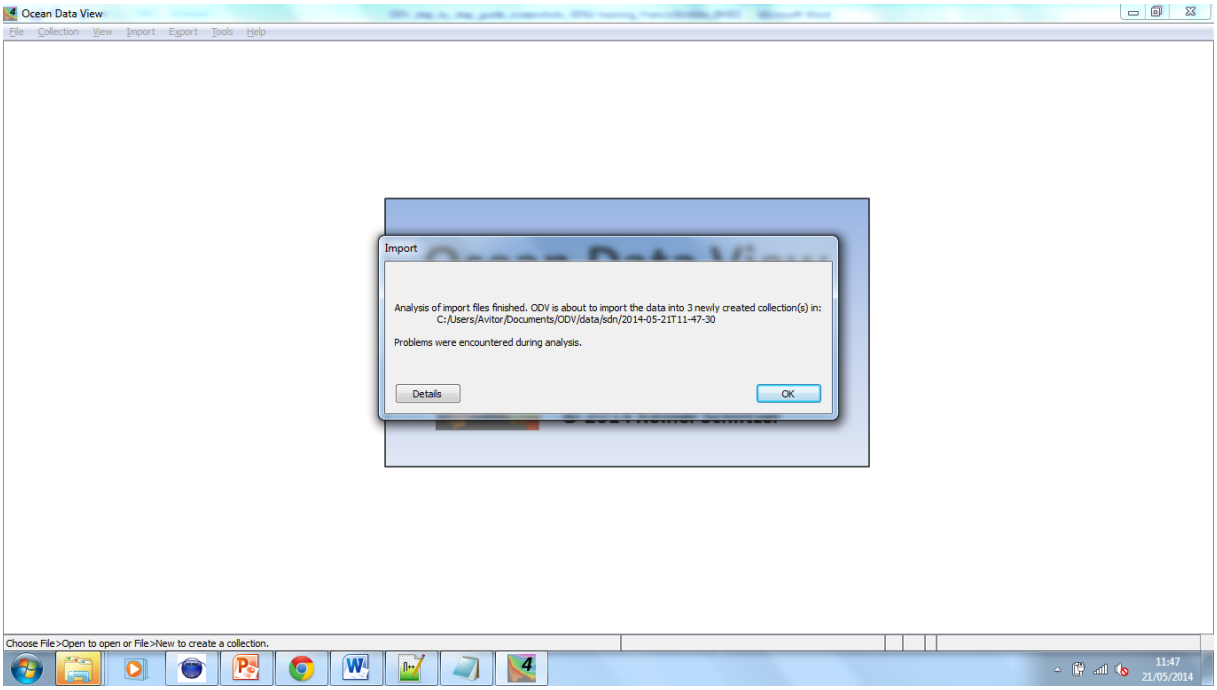


If you selected *file name ends with*: .txt, it will take all these files and they will show up



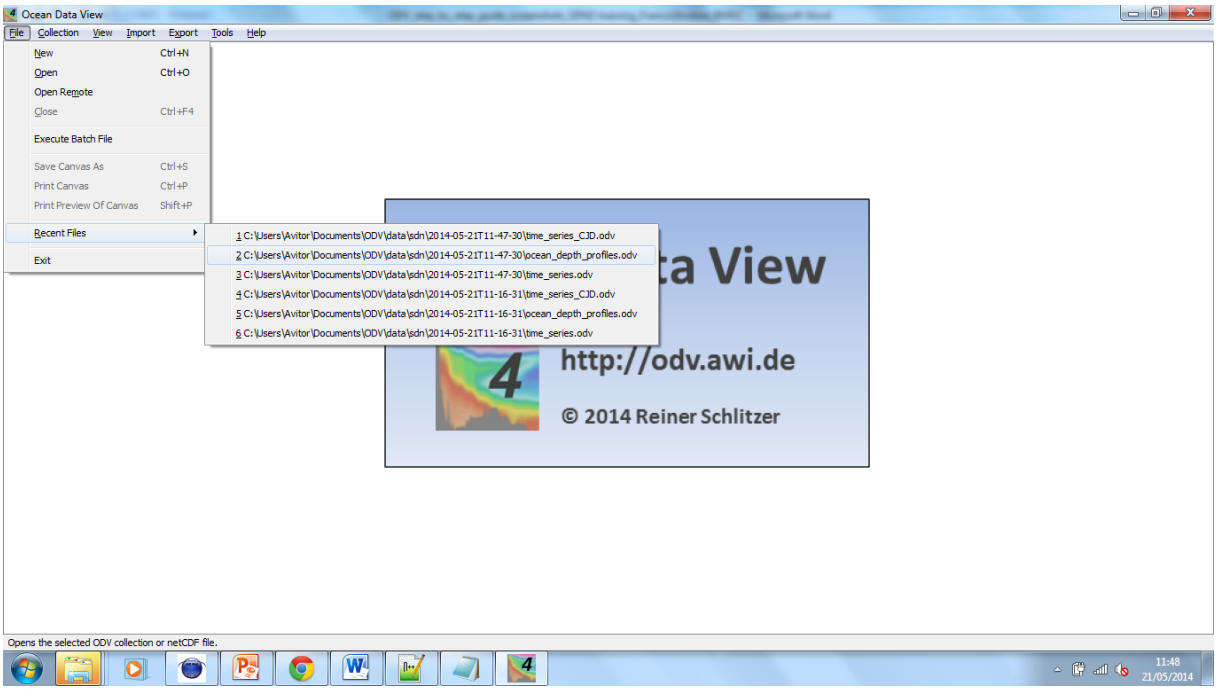


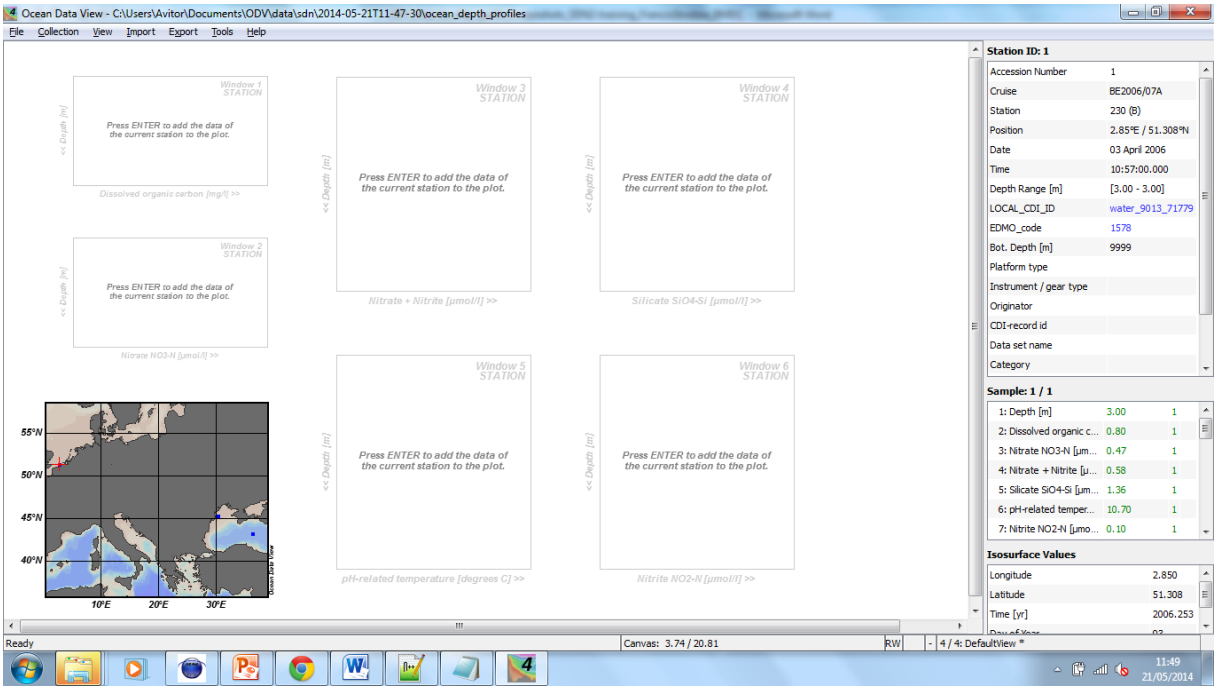
ONCE THE LIST IS MADE, CHOOSE OPEN FILE LIST WHEN YOU WANT TO WORK ON THIS AGAIN

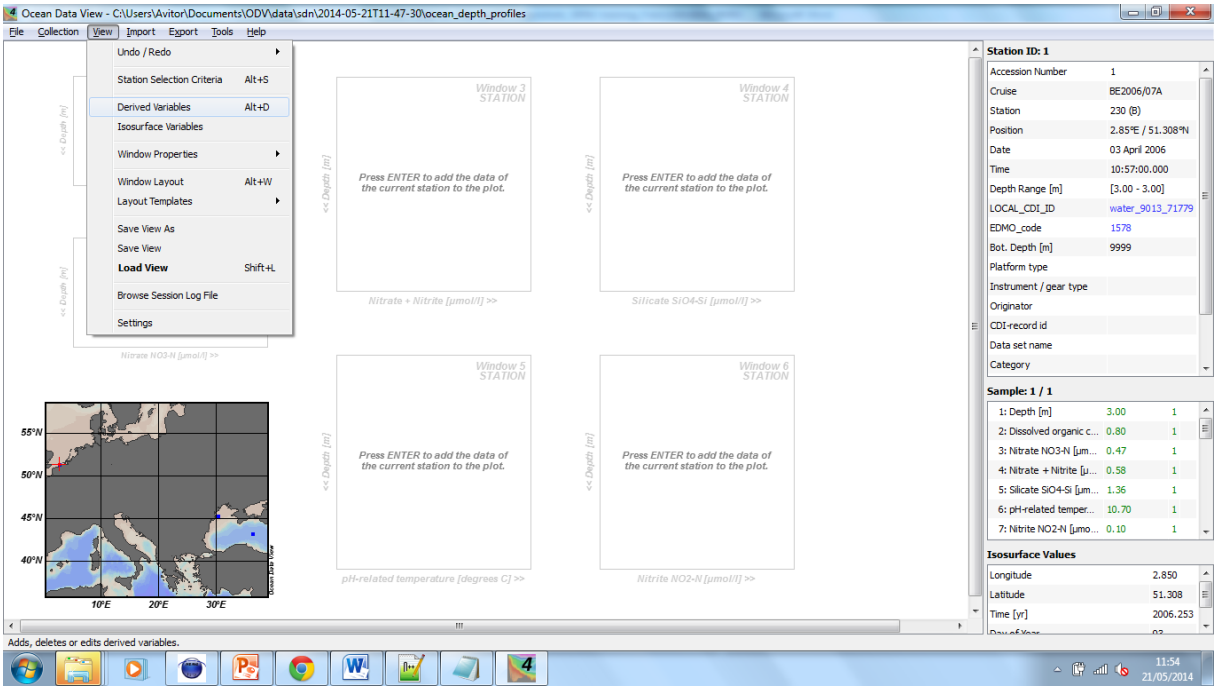


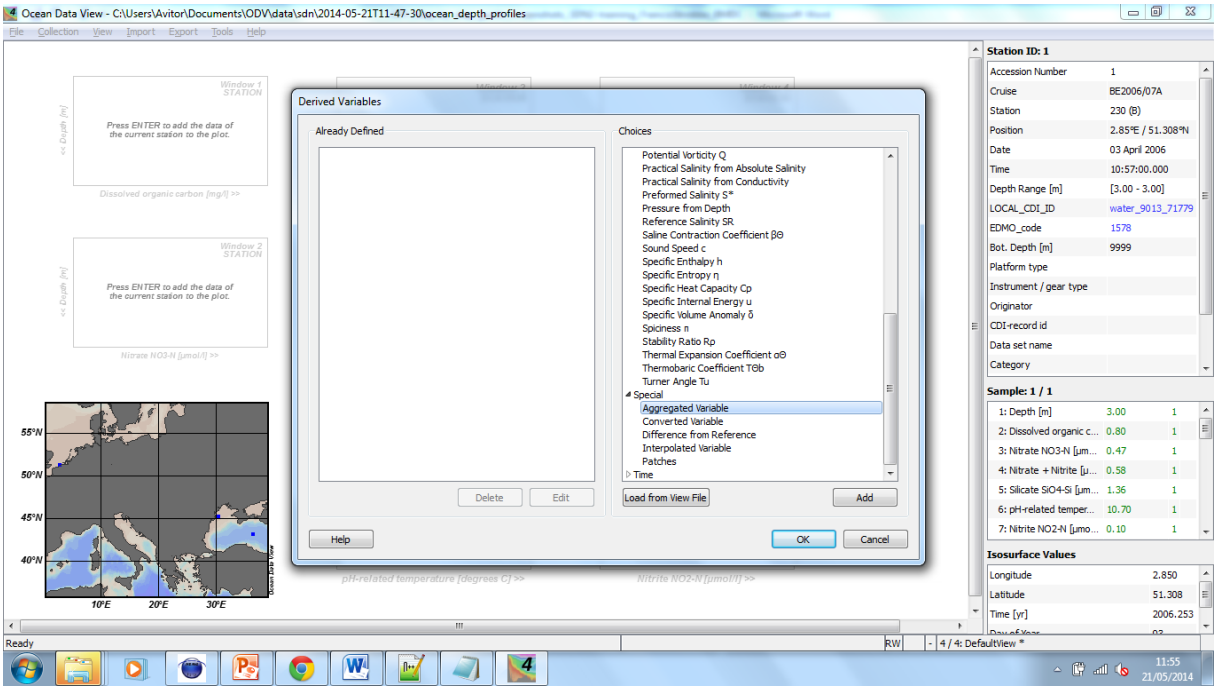
Again, same errors, but continue, for now

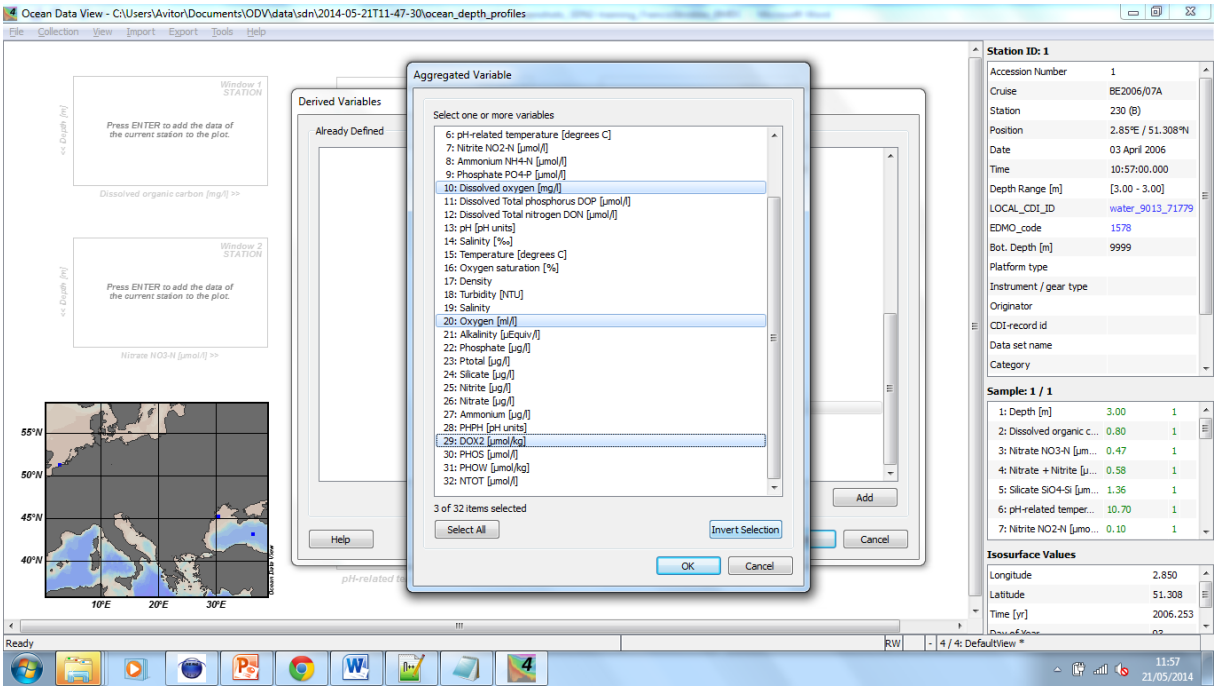
BIG STEP FORWARD

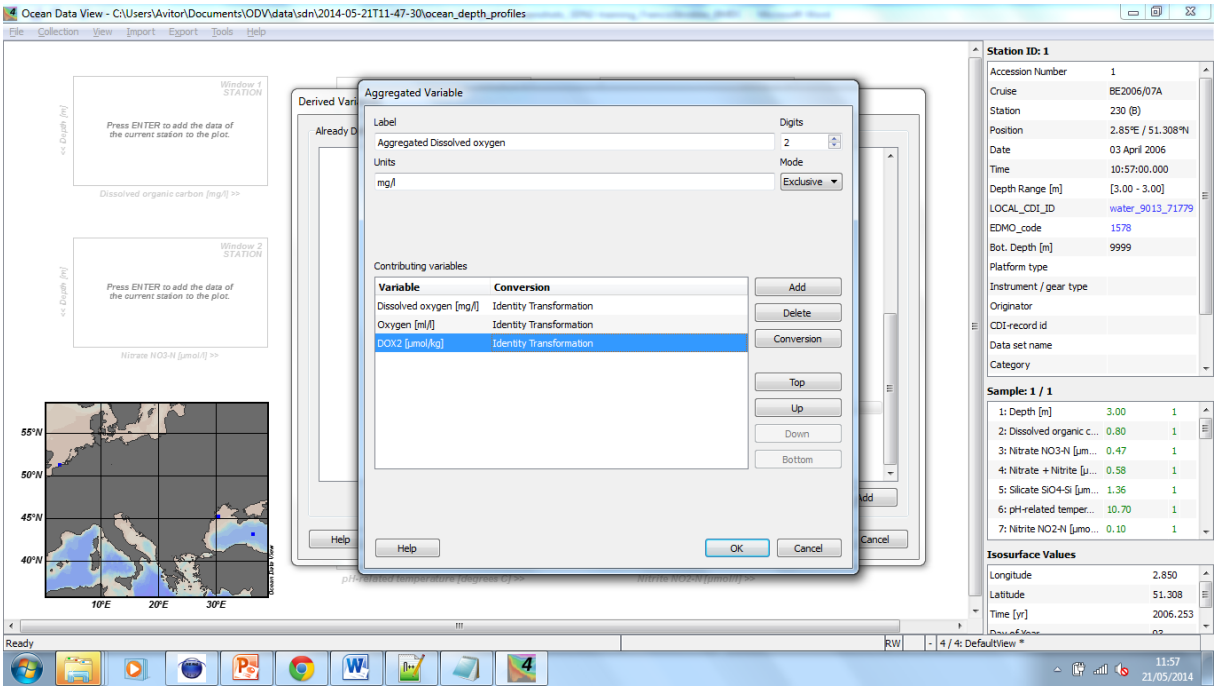


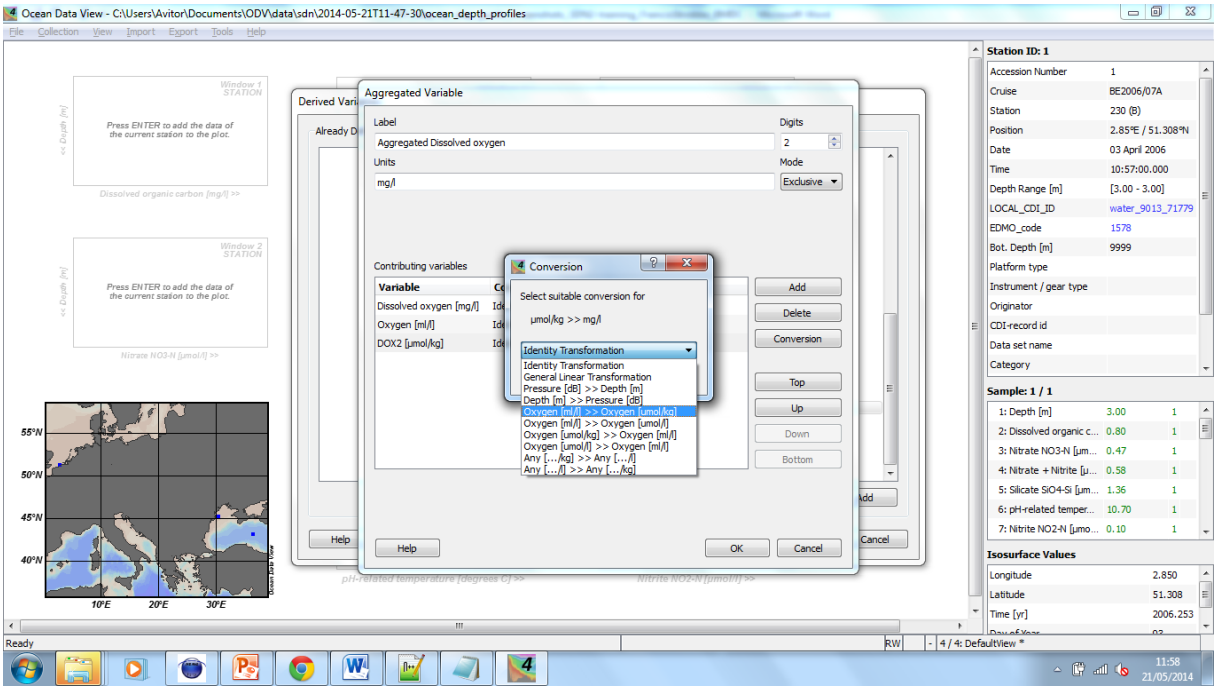

Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
File Collection View Import Export Tools Help
Window 1 STATION
Press ENTER to add the data of the current station to the plot.
Window 2 STATION
Press ENTER to add the data of the current station to the plot.
Window 3 STATION
Press ENTER to add the data of the current station to the plot.
Window 4 STATION
Press ENTER to add the data of the current station to the plot.
Window 5 STATION
Press ENTER to add the data of the current station to the plot.
Window 6 STATION
Press ENTER to add the data of the current station to the plot.
Station ID: 1
Accession Number 1
Cruise BE2006/07A
Station 230 (B)
Position 2.85°E / 51.308°N
Date 03 April 2006
Time 10:57:00.000
Depth Range [m] [3.00 - 3.00]
LOCAL_CDI_ID water_9013_71779
EDMO_code 1578
Bot. Depth [m] 9999
Platform type
Instrument / gear type
Originator
CDI-record id
Data set name
Category
Sample: 1 / 1
1: Depth [m] 3.00 1
2: Dissolved organic c... 0.80 1
3: Nitrate NO3-N [µm... 0.47 1
4: Nitrate + Nitrite [µ... 0.58 1
5: Silicate SiO4-Si [µm... 1.36 1
6: pH-related temper... 10.70 1
7: Nitrite NO2-N [µmo... 0.10 1
Isosurface Values
Longitude 2.850
Latitude 51.308
Time [yr] 2006.253
55°N
50°N
45°N
40°N
10°E
20°E
30°E
Ready
Canvas: 3.74 / 20.81
4 / 4: DefaultView *
11:49
21/05/2014

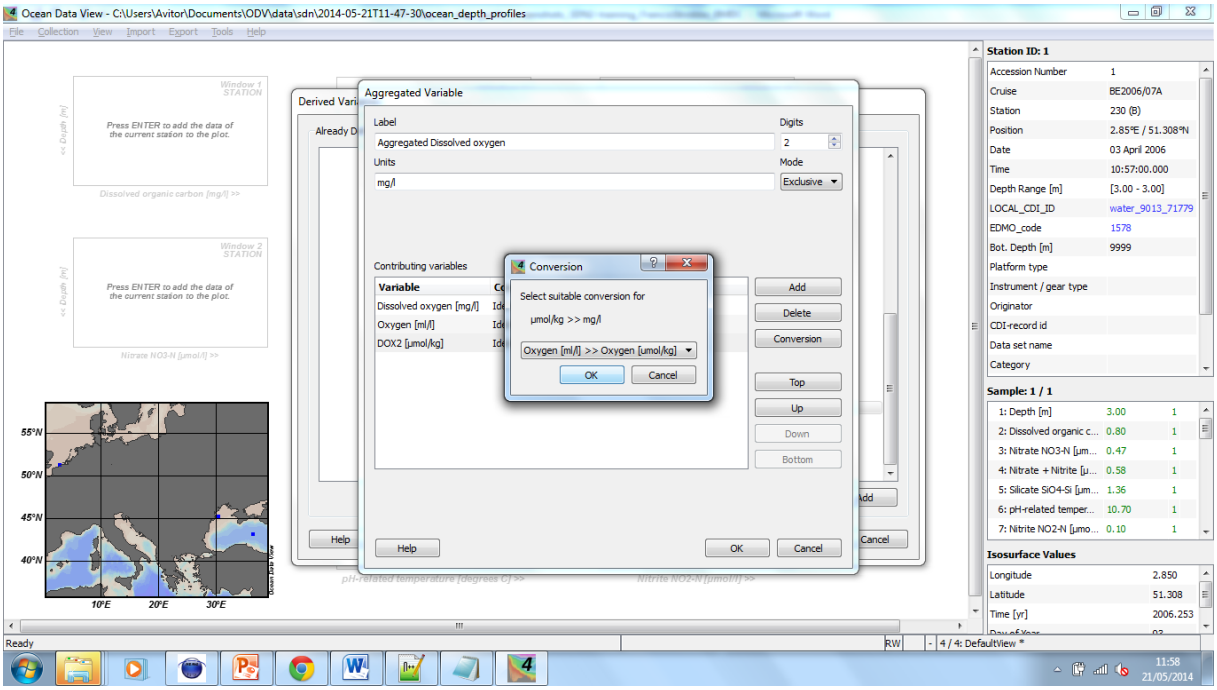

Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
File Collection View Import Export Tools Help
Undo / Redo
Station Selection Criteria Alt+S
Derived Variables Alt+D
Isosurface Variables
Window Properties
Window Layout Alt+W
Layout Templates
Save View As
Save View
Load View Shift+L
Browse Session Log File
Settings
Window 3 STATION
Press ENTER to add the data of the current station to the plot.
Window 4 STATION
Press ENTER to add the data of the current station to the plot.
Window 5 STATION
Press ENTER to add the data of the current station to the plot.
Window 6 STATION
Press ENTER to add the data of the current station to the plot.
Station ID: 1
Accession Number 1
Cruise BE2006/07A
Station 230 (B)
Position 2.85°E / 51.308°N
Date 03 April 2006
Time 10:57:00.000
Depth Range [m] [3.00 - 3.00]
LOCAL_CDI_ID water_9013_71779
EDMO_code 1578
Bot. Depth [m] 9999
Platform type
Instrument / gear type
Originator
CDI-record id
Data set name
Category
Sample: 1 / 1
1: Depth [m] 3.00 1
2: Dissolved organic c... 0.80 1
3: Nitrate NO3-N [µm... 0.47 1
4: Nitrate + Nitrite [µ... 0.58 1
5: Silicate SiO4-Si [µm... 1.36 1
6: pH-related temper... 10.70 1
7: Nitrite NO2-N [µmo... 0.10 1
Isosurface Values
Longitude 2.850
Latitude 51.308
Time [yr] 2006.253
55°N
50°N
45°N
40°N
10°E
20°E
30°E
Adds, deletes or edits derived variables.
11:54
21/05/2014

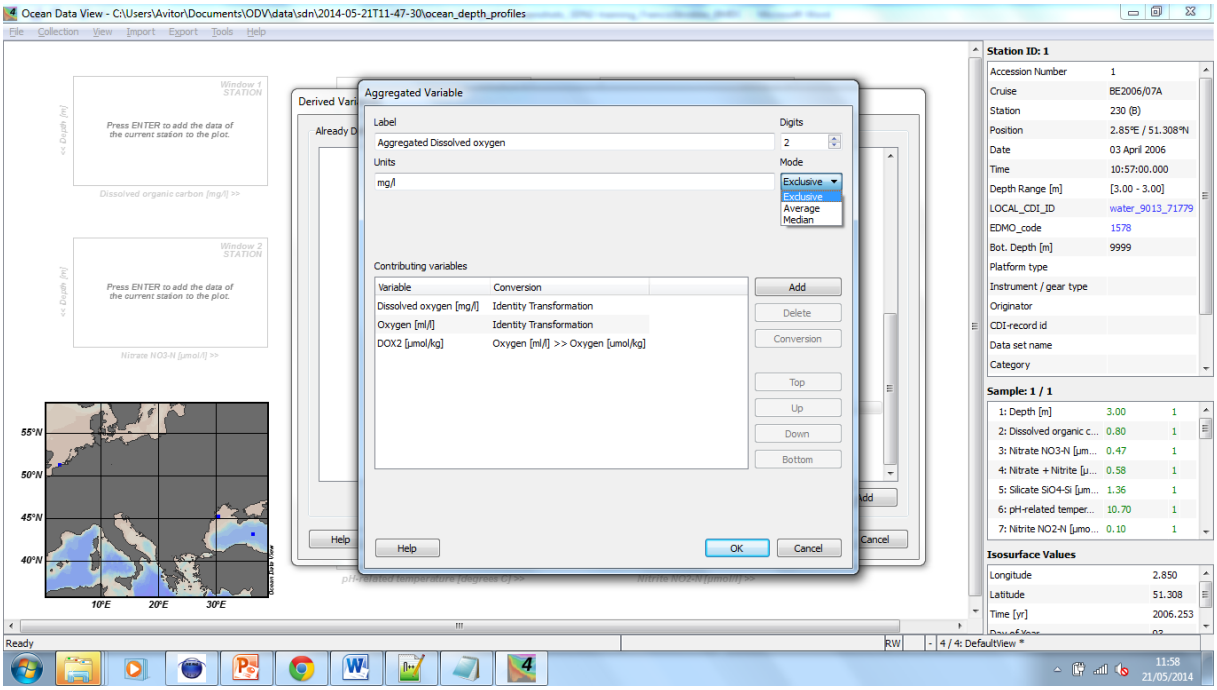

Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
Derived Variables
Already Defined
Choices
Potential Vorticity Q
Practical Salinity from Absolute Salinity
Practical Salinity from Conductivity
Preformed Salinity S*
Pressure from Depth
Reference Salinity SR
Saline Contraction Coefficient βΘ
Sound Speed c
Specific Enthalpy h
Specific Entropy η
Specific Heat Capacity Cp
Specific Internal Energy u
Specific Volume Anomaly δ
Spiciness π
Stability Ratio Rρ
Thermal Expansion Coefficient αΘ
Thermobaric Coefficient TΘb
Turner Angle Tu
Special
Aggregated Variable
Converted Variable
Difference from Reference
Interpolated Variable
Patches
Time
Delete
Edit
Load from View File
Add
Help
OK
Cancel
Station ID: 1
Accession Number 1
Cruise BE2006/07A
Station 230 (B)
Position 2.85°E / 51.308°N
Date 03 April 2006
Time 10:57:00.000
Depth Range [m] [3.00 - 3.00]
LOCAL_CDI_ID water_9013_71779
EDMO_code 1578
Bot. Depth [m] 9999
Platform type
Instrument / gear type
Originator
CDI-record id
Data set name
Category
Sample: 1 / 1
1: Depth [m] 3.00 1
2: Dissolved organic c... 0.80 1
3: Nitrate NO3-N [µm... 0.47 1
4: Nitrate + Nitrite [µ... 0.58 1
5: Silicate SiO4-Si [µm... 1.36 1
6: pH-related temper... 10.70 1
7: Nitrite NO2-N [µmo... 0.10 1
Isosurface Values
Longitude 2.850
Latitude 51.308
Time [yr] 2006.253
Ready

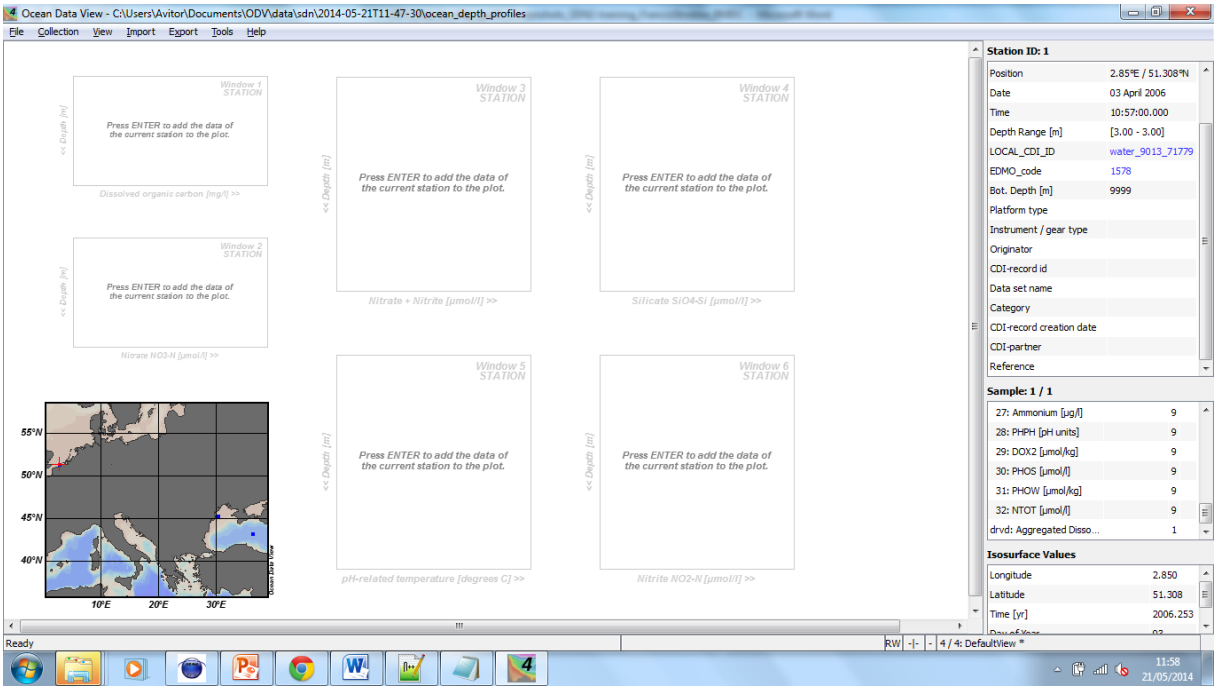

Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
Aggregated Variable
Select one or more variables
6: pH-related temperature [degrees C]
7: Nitrite NO2-N [µmol/l]
8: Ammonium NH4-N [µmol/l]
9: Phosphate PO4-P [µmol/l]
10: Dissolved oxygen [mg/l]
11: Dissolved Total phosphorus DOP [µmol/l]
12: Dissolved Total nitrogen DON [µmol/l]
13: pH [pH units]
14: Salinity [‰]
15: Temperature [degrees C]
16: Oxygen saturation [%]
17: Density
18: Turbidity [NTU]
19: Salinity
20: Oxygen [ml/l]
21: Alkalinity [µEquiv/l]
22: Phosphate [µg/l]
23: Ptotal [µg/l]
24: Silicate [µg/l]
25: Nitrite [µg/l]
26: Nitrate [µg/l]
27: Ammonium [µg/l]
28: PHPH [pH units]
29: DOX2 [µmol/kg]
30: PHOS [µmol/l]
31: PHOW [µmol/kg]
32: NTOT [µmol/l]
3 of 32 items selected
Select All
Invert Selection
OK
Cancel
Station ID: 1
Sample: 1 / 1
Isosurface Values
Ready


Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
Aggregated Variable
Label
Aggregated Dissolved oxygen
Digits
2
Units
mg/l
Mode
Exclusive
Contributing variables
Variable
Conversion
Dissolved oxygen [mg/l]
Identity Transformation
Oxygen [ml/l]
Identity Transformation
DOX2 [µmol/kg]
Identity Transformation
Add
Delete
Conversion
Top
Up
Down
Bottom
Help
OK
Cancel
Station ID: 1
Accession Number 1
Cruise BE2006/07A
Station 230 (B)
Position 2.85°E / 51.308°N
Date 03 April 2006
Time 10:57:00.000
Depth Range [m] [3.00 - 3.00]
LOCAL_CDI_ID water_9013_71779
EDMO_code 1578
Bot. Depth [m] 9999
Platform type
Instrument / gear type
Originator
CDI-record id
Data set name
Category
Sample: 1 / 1
1: Depth [m] 3.00 1
2: Dissolved organic c... 0.80 1
3: Nitrate NO3-N [µm... 0.47 1
4: Nitrate + Nitrite [µ... 0.58 1
5: Silicate SiO4-Si [µm... 1.36 1
6: pH-related temper... 10.70 1
7: Nitrite NO2-N [µmo... 0.10 1
Isosurface Values
Longitude 2.850
Latitude 51.308
Time [yr] 2006.253
Ready
11:57
21/05/2014


Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
Aggregated Variable
Label
Aggregated Dissolved oxygen
Digits
2
Units
mg/l
Mode
Exclusive
Contributing variables
Conversion
Select suitable conversion for
µmol/kg >> mg/l
Identity Transformation
Identity Transformation
General Linear Transformation
Pressure [dB] >> Depth [m]
Depth [m] >> Pressure [dB]
Oxygen [ml/l] >> Oxygen [µmol/kg]
Oxygen [ml/l] >> Oxygen [µmol/l]
Oxygen [µmol/kg] >> Oxygen [ml/l]
Oxygen [µmol/l] >> Oxygen [ml/l]
Any [.../kg] >> Any [.../l]
Any [.../l] >> Any [.../kg]
Add
Delete
Conversion
Top
Up
Down
Bottom
Help
OK
Cancel
Station ID: 1
Sample: 1 / 1
Isosurface Values
Ready
11:58
21/05/2014

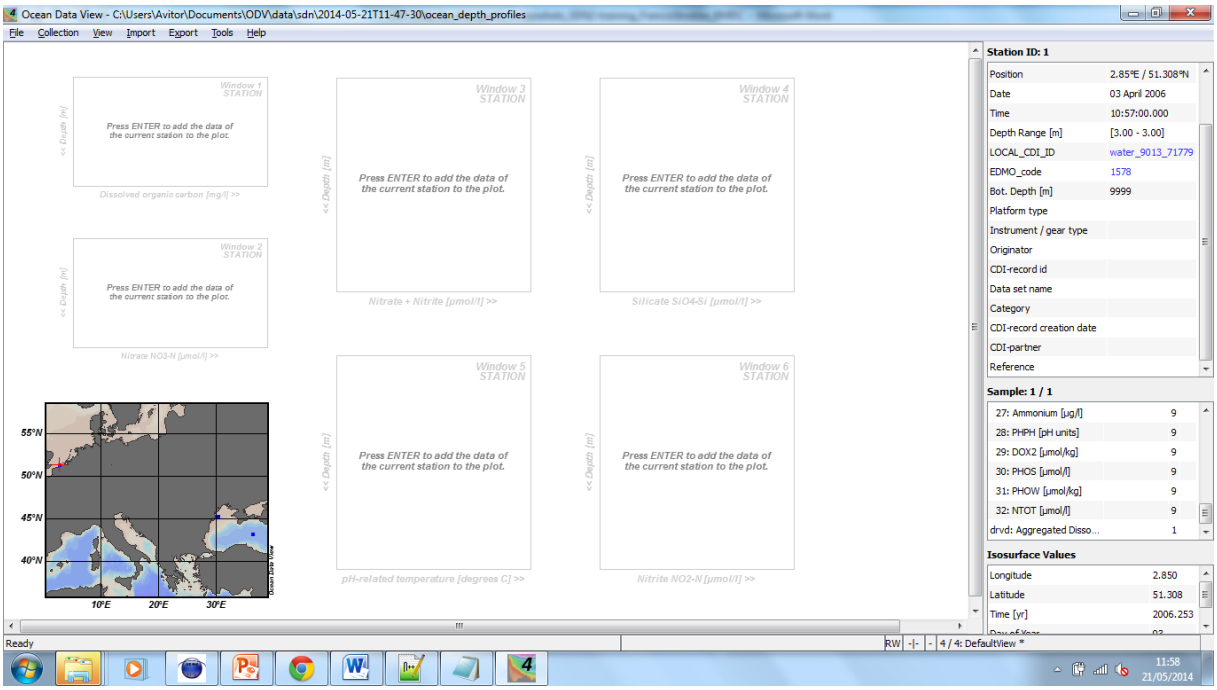

Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
Aggregated Variable
Label
Aggregated Dissolved oxygen
Digits
2
Units
mg/l
Mode
Exclusive
Contributing variables
Variable
Dissolved oxygen [ml/l]
Oxygen [ml/l]
DOX2 [µmol/kg]
Add
Delete
Conversion
Top
Up
Down
Bottom
Help
OK
Cancel
Conversion
Select suitable conversion for
µmol/kg >> mg/l
Oxygen [ml/l] >> Oxygen [umol/kg]
Station ID: 1
Accession Number 1
Cruise BE2006/07A
Station 230 (B)
Position 2.85°E / 51.308°N
Date 03 April 2006
Time 10:57:00.000
Depth Range [m] [3.00 - 3.00]
LOCAL_CDI_ID water_9013_71779
EDMO_code 1578
Bot. Depth [m] 9999
Platform type
Instrument / gear type
Originator
CDI-record id
Data set name
Category
Sample: 1 / 1
1: Depth [m] 3.00 1
2: Dissolved organic c... 0.80 1
3: Nitrate NO3-N [µm... 0.47 1
4: Nitrate + Nitrite [µ... 0.58 1
5: Silicate SiO4-Si [µm... 1.36 1
6: pH-related temper... 10.70 1
7: Nitrite NO2-N [µmo... 0.10 1
Isosurface Values
Longitude 2.850
Latitude 51.308
Time [yr] 2006.253
55°N
50°N
45°N
40°N
10°E
20°E
30°E
Ready
11:58
21/05/2014

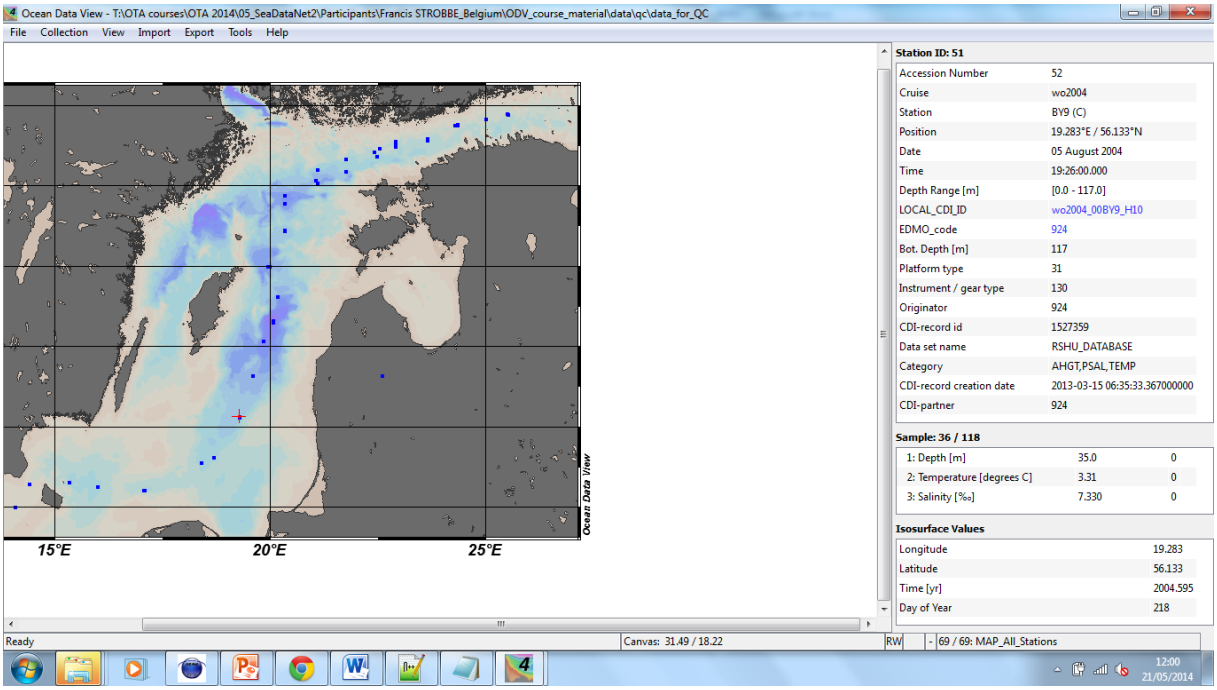

Ocean Data View - C:\Users\Avitor\Documents\ODV\data\sdn\2014-05-21T11-47-30\ocean_depth_profiles
Aggregated Variable
Label
Aggregated Dissolved oxygen
Digits
2
Units
mg/l
Mode
Exclusive
Average
Median
Contributing variables
Variable
Conversion
Dissolved oxygen [ml/l]
Identity Transformation
Oxygen [ml/l]
Identity Transformation
DOX2 [µmol/kg]
Oxygen [ml/l] >> Oxygen [umol/kg]
Add
Delete
Conversion
Top
Up
Down
Bottom
Help
OK
Cancel
Station ID: 1
Accession Number 1
Cruise BE2006/07A
Station 230 (B)
Position 2.85°E / 51.308°N
Date 03 April 2006
Time 10:57:00.000
Depth Range [m] [3.00 - 3.00]
LOCAL_CDI_ID water_9013_71779
EDMO_code 1578
Bot. Depth [m] 9999
Platform type
Instrument / gear type
Originator
CDI-record id
Data set name
Category
Sample: 1 / 1
1: Depth [m] 3.00 1
2: Dissolved organic c... 0.80 1
3: Nitrate NO3-N [µm... 0.47 1
4: Nitrate + Nitrite [µ... 0.58 1
5: Silicate SiO4-Si [µm... 1.36 1
6: pH-related temper... 10.70 1
7: Nitrite NO2-N [µmo... 0.10 1
Isosurface Values
Longitude 2.850
Latitude 51.308
Time [yr] 2006.253
55°N
50°N
45°N
40°N
10°E
20°E
30°E
Ready
11:58
21/05/2014



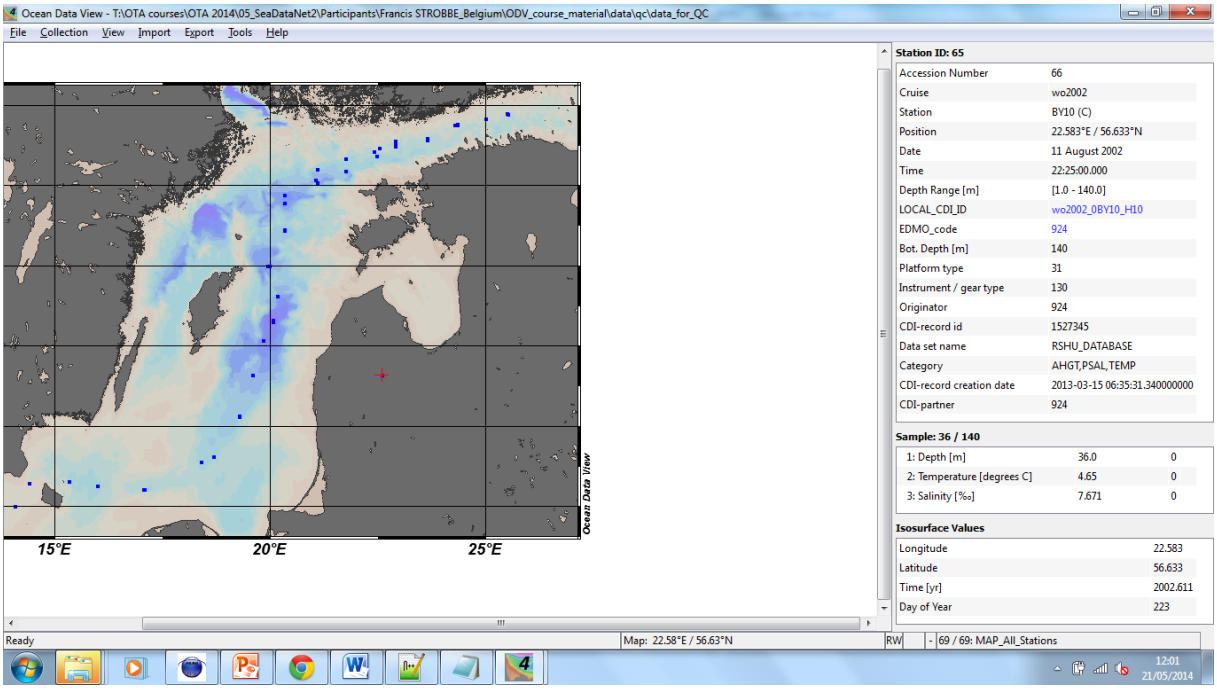
Drvd: Aggregated Disso… 1 IS ADDED

QM

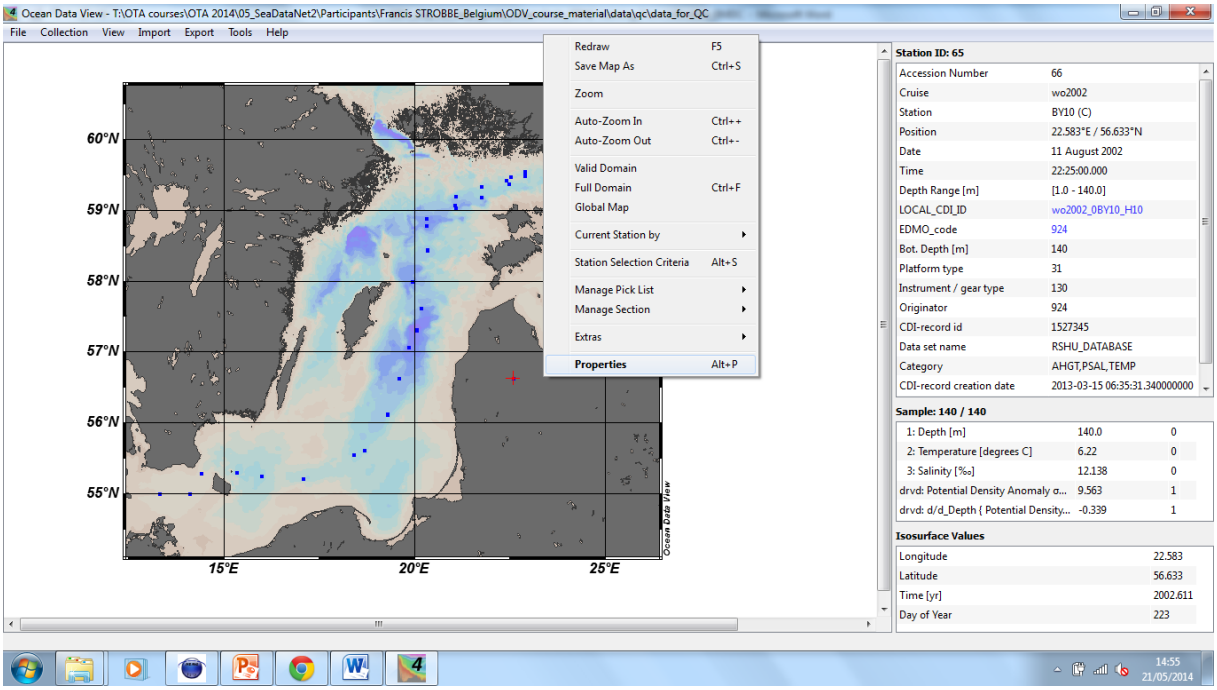




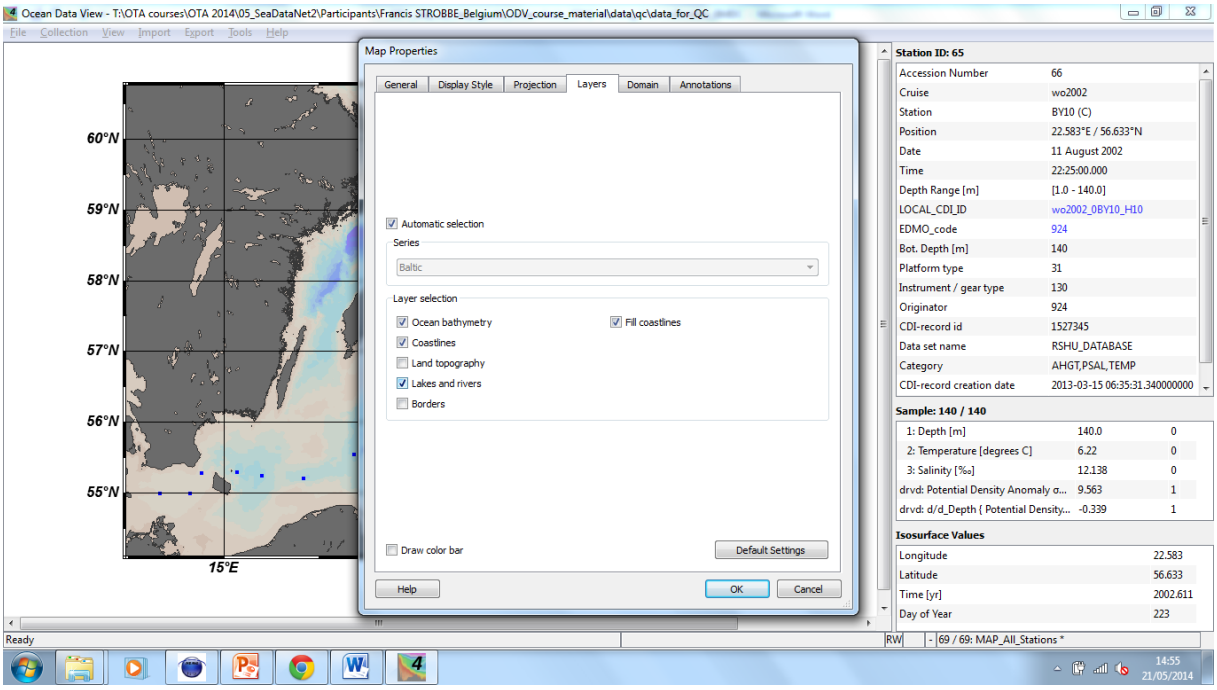
LAND POINT LOOKS WEIRD

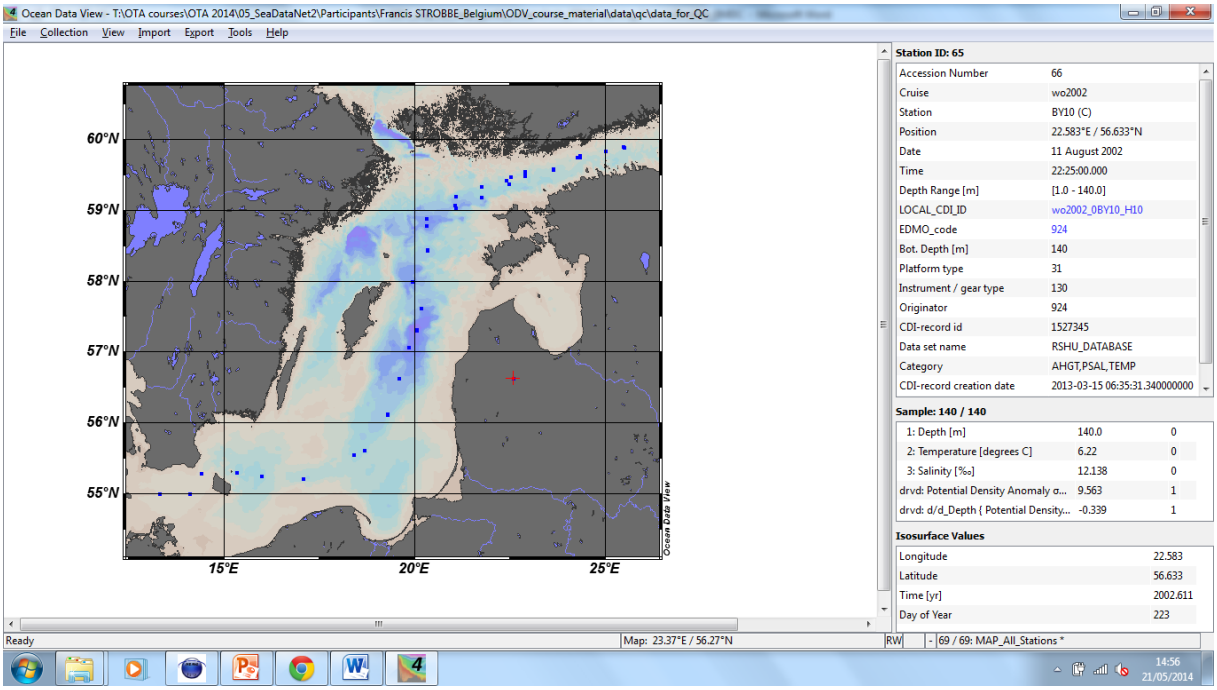


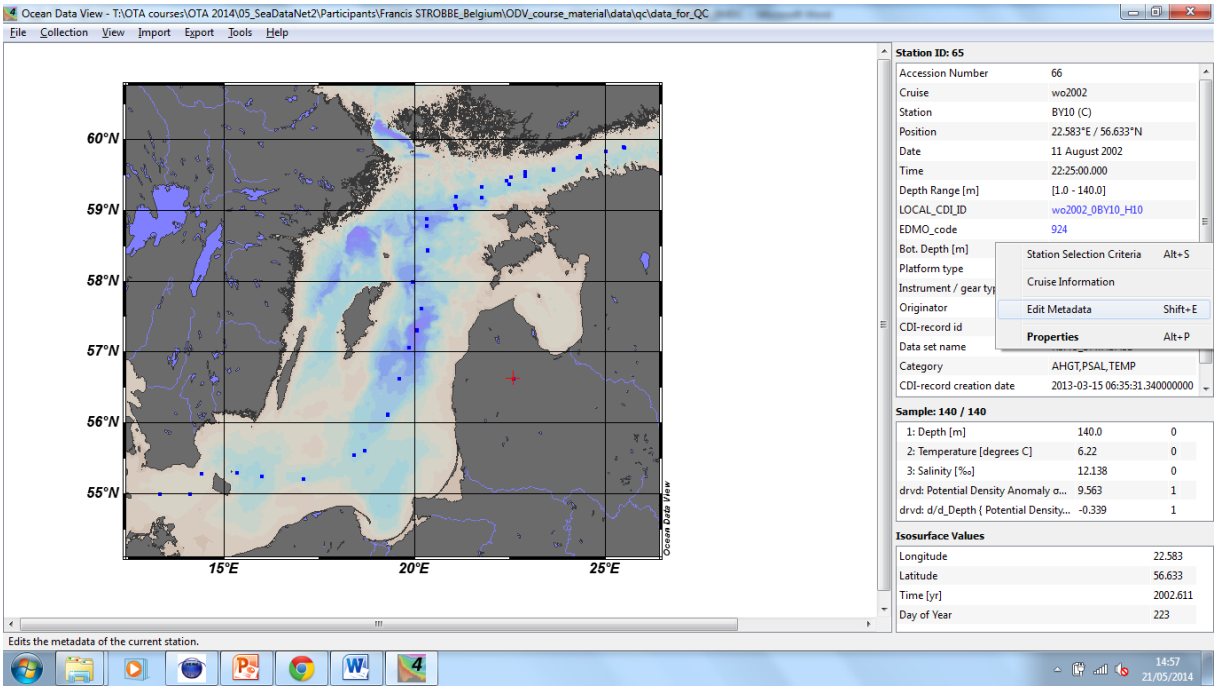
CLICK ON THAT POINT, CHECK DATA: 140m below surface, should probably be no river….

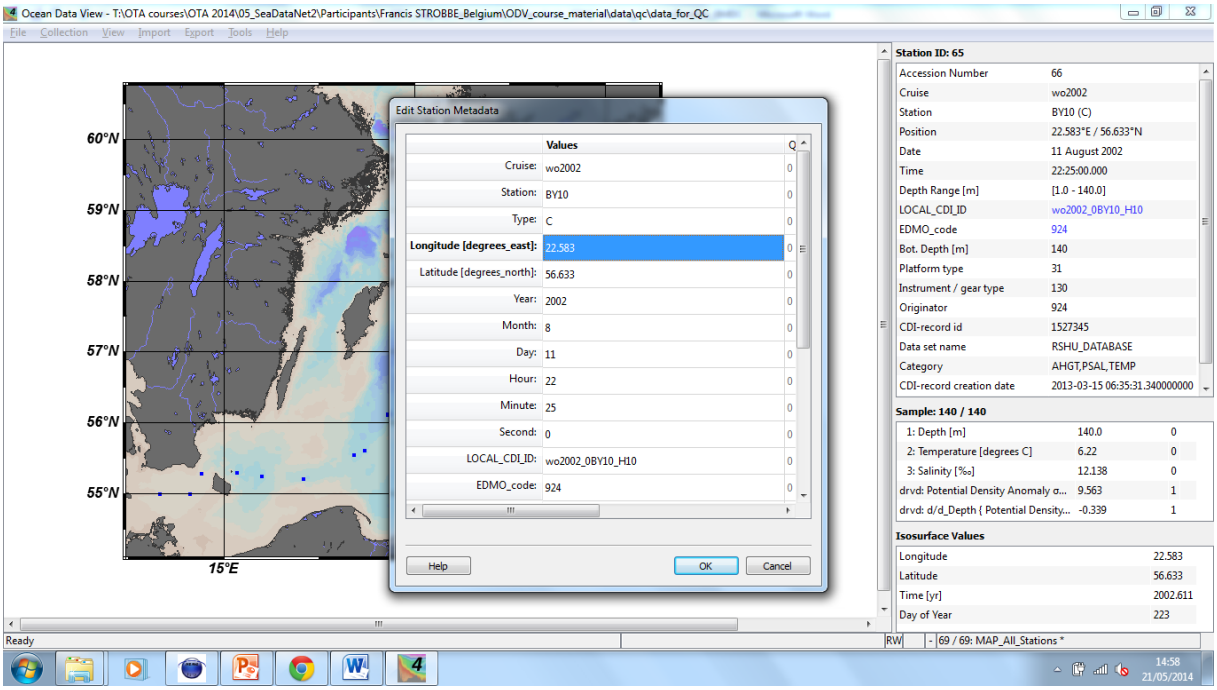


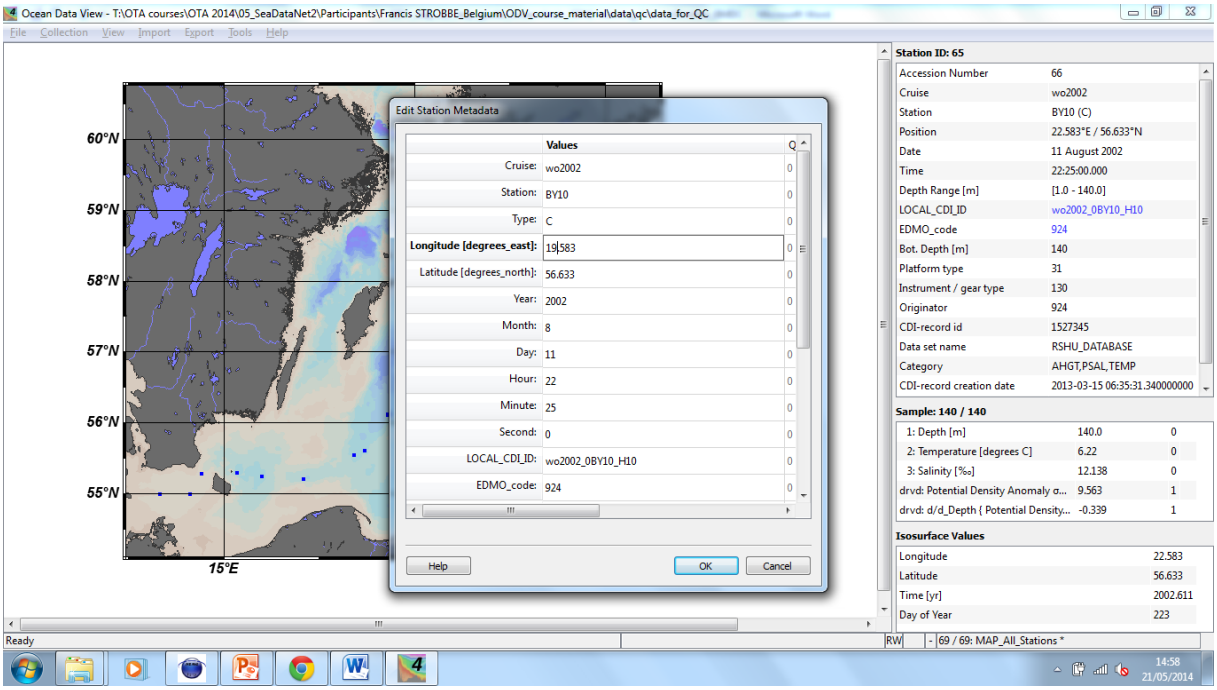
But add rivers LAYER



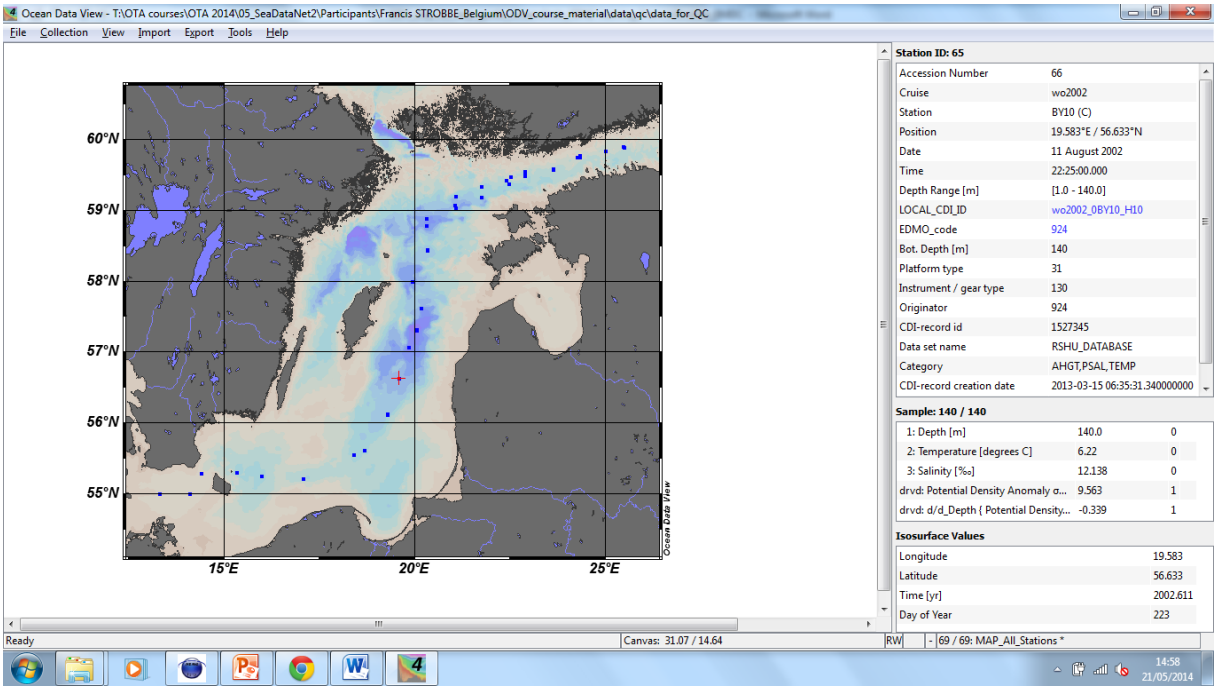

Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
File Collection View Import Export Tools Help
60°N
59°N
58°N
57°N
56°N
55°N
15°E
20°E
25°E
Ocean Data View
Station ID: 65
Accession Number 66
Cruise wo2002
Station BY10 (C)
Position 22.583°E / 56.633°N
Date 11 August 2002
Time 22:25:00.000
Depth Range [m] [1.0 - 140.0]
LOCAL_CDI_ID wo2002_0BY10_H10
EDMO_code 924
Bot. Depth [m] 140
Platform type 31
Instrument / gear type 130
Originator 924
CDI-record id 1527345
Data set name RSHU_DATABASE
Category AHGT,PSAL,TEMP
CDI-record creation date 2013-03-15 06:35:31.340000000
Sample: 140 / 140
1: Depth [m] 140.0 0
2: Temperature [degrees C] 6.22 0
3: Salinity [‰] 12.138 0
drvd: Potential Density Anomaly σ... 9.563 1
drvd: d/d_Depth { Potential Density... -0.339 1
Isosurface Values
Longitude 22.583
Latitude 56.633
Time [yr] 2002.611
Day of Year 223
Ready
Map: 23.37°E / 56.27°N
RW
69 / 69: MAP_All_Stations *
14:56
21/05/2014


Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
File Collection View Import Export Tools Help
60°N
59°N
58°N
57°N
56°N
55°N
15°E
20°E
25°E
Ocean Data View
Station ID: 65
Accession Number 66
Cruise wo2002
Station BY10 (C)
Position 22.583°E / 56.633°N
Date 11 August 2002
Time 22:25:00.000
Depth Range [m] [1.0 - 140.0]
LOCAL_CDI_ID wo2002_0BY10_H10
EDMO_code 924
Station Selection Criteria Alt+S
Cruise Information
Edit Metadata Shift+E
Properties Alt+P
Category AHGT,PSAL,TEMP
CDI-record creation date 2013-03-15 06:35:31.340000000
Sample: 140 / 140
1: Depth [m] 140.0 0
2: Temperature [degrees C] 6.22 0
3: Salinity [‰] 12.138 0
drvd: Potential Density Anomaly σ... 9.563 1
drvd: d/d_Depth { Potential Density... -0.339 1
Isosurface Values
Longitude 22.583
Latitude 56.633
Time [yr] 2002.611
Day of Year 223
Edits the metadata of the current station.
14:57
21/05/2014

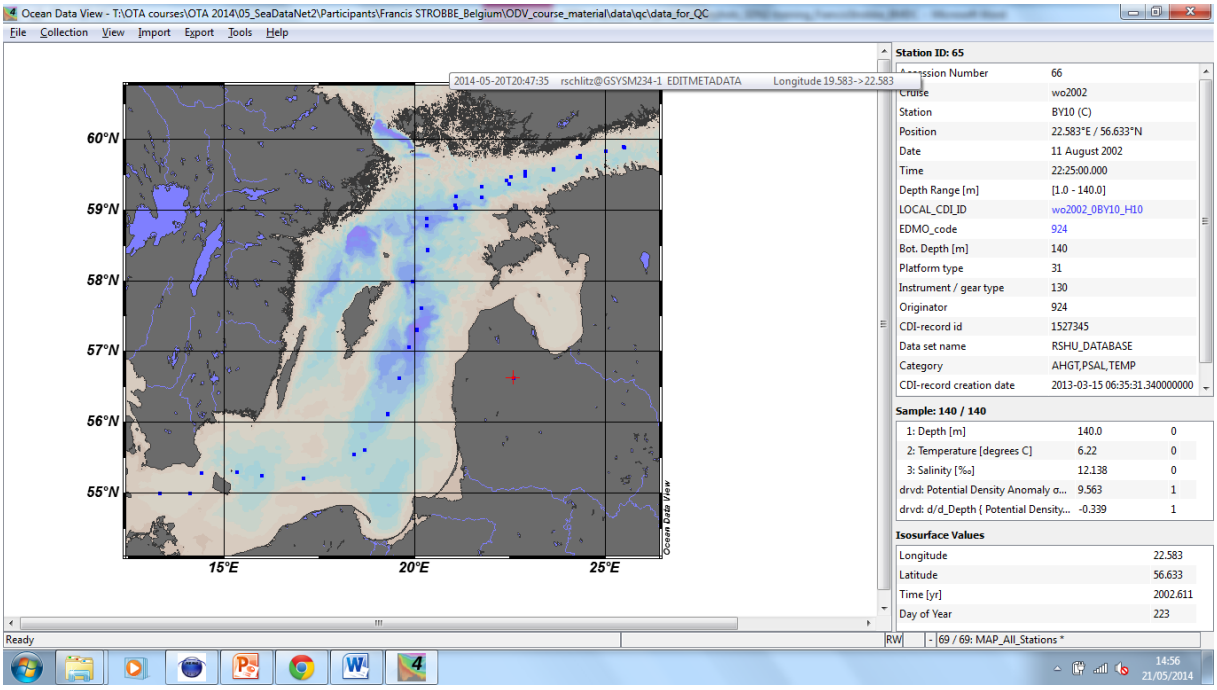




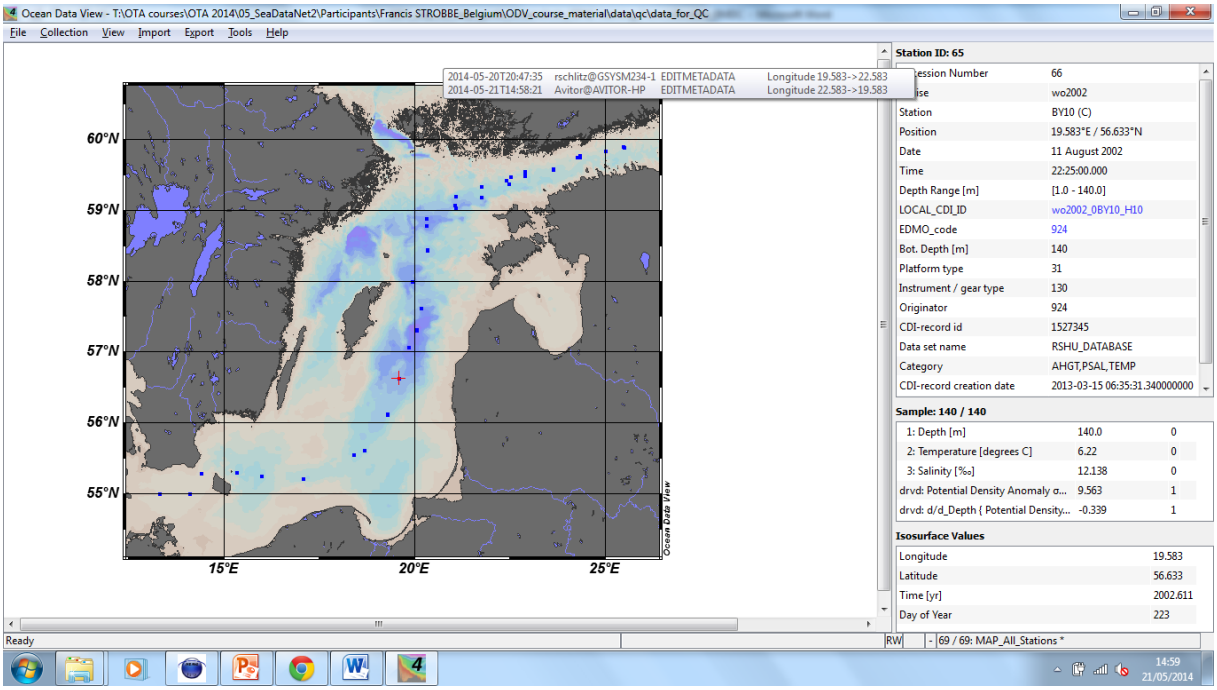
Change the longitude



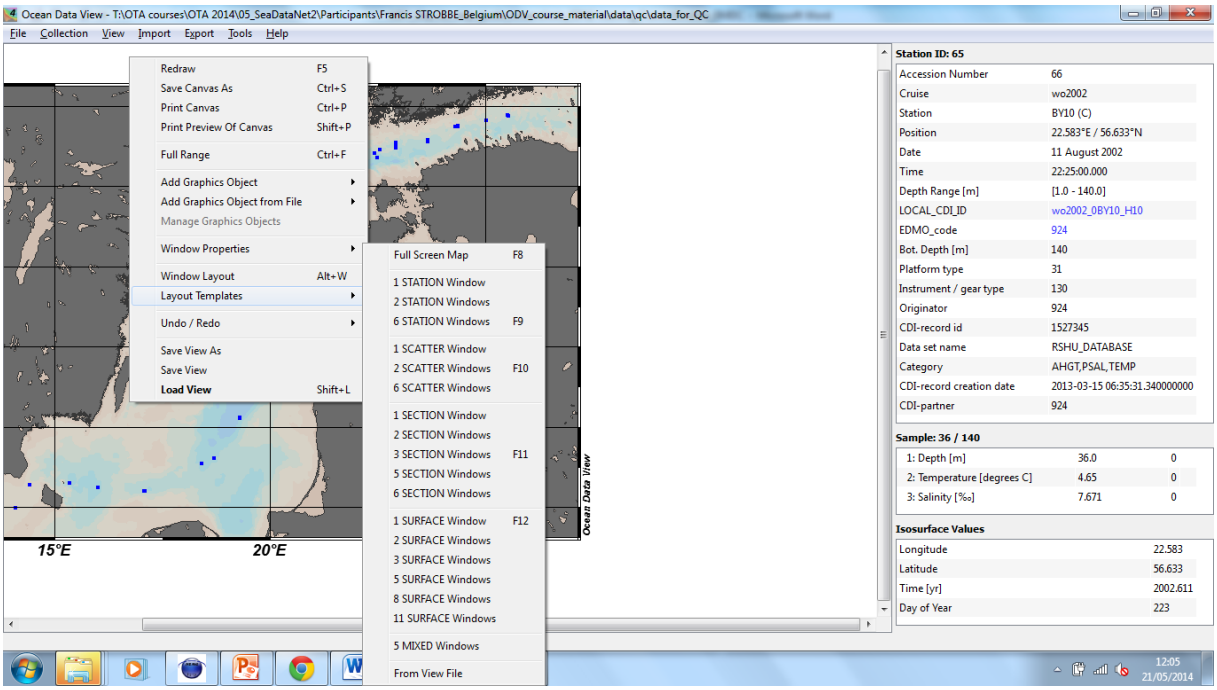
Point is (back) in the sea!



Actually, when you hoover over the station, you saw the longitude was changed….

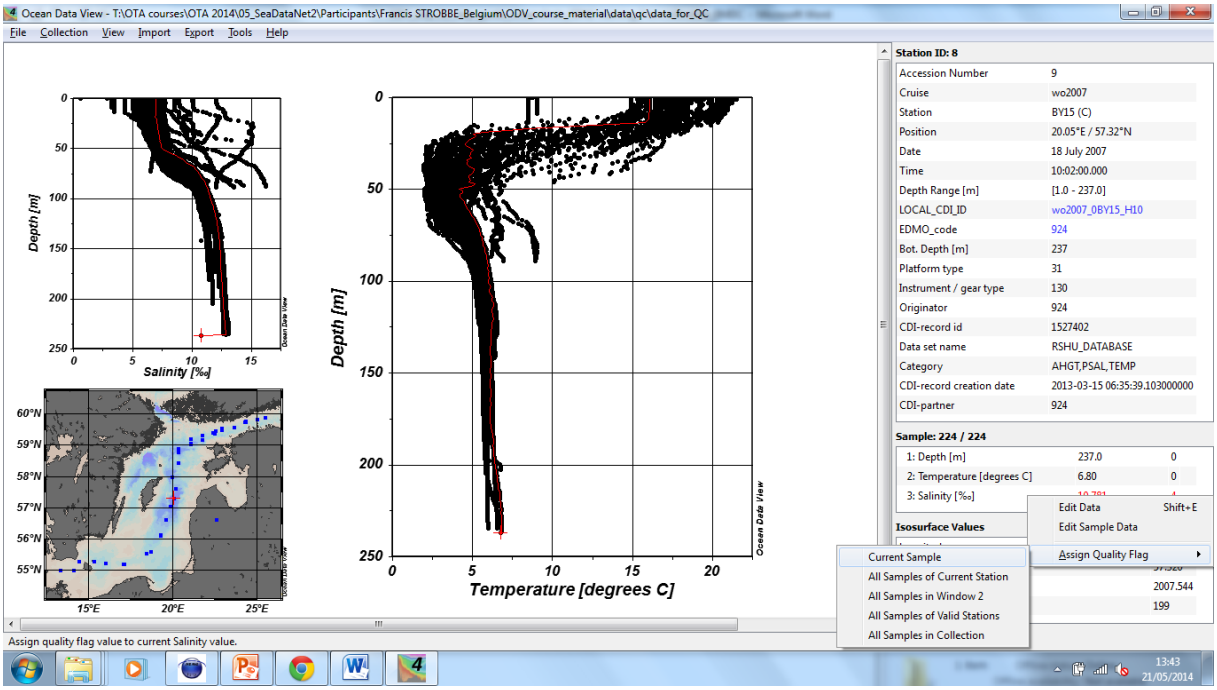


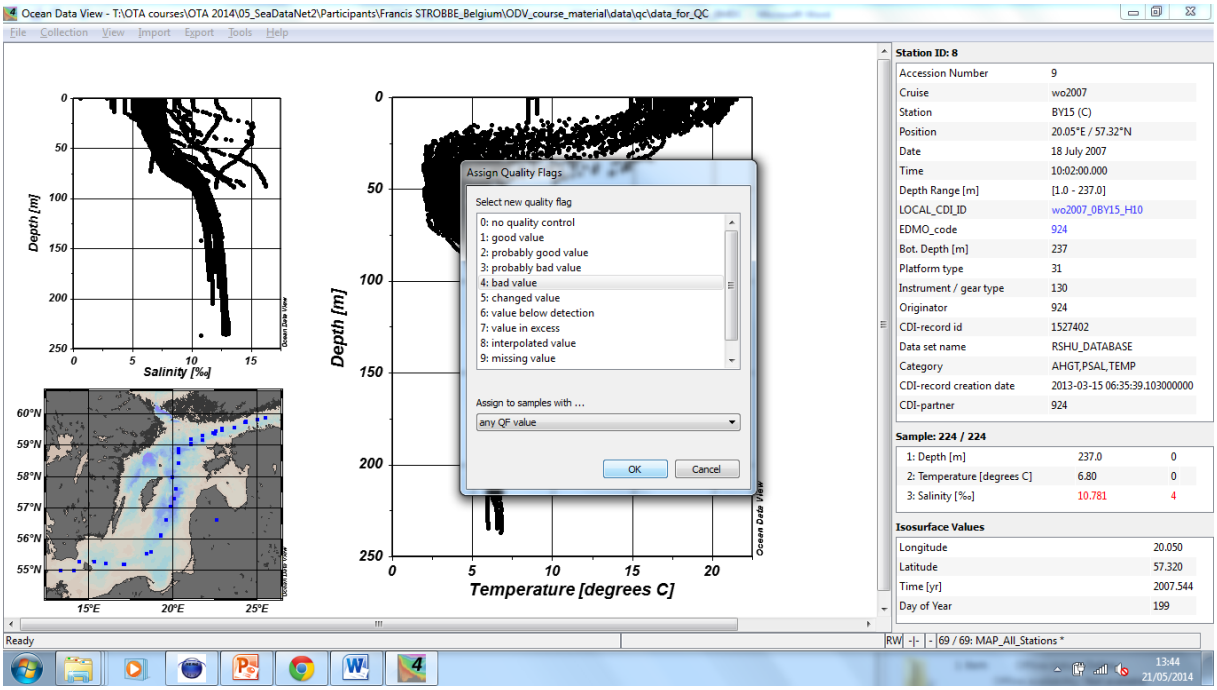
And now it changed back to is correct position

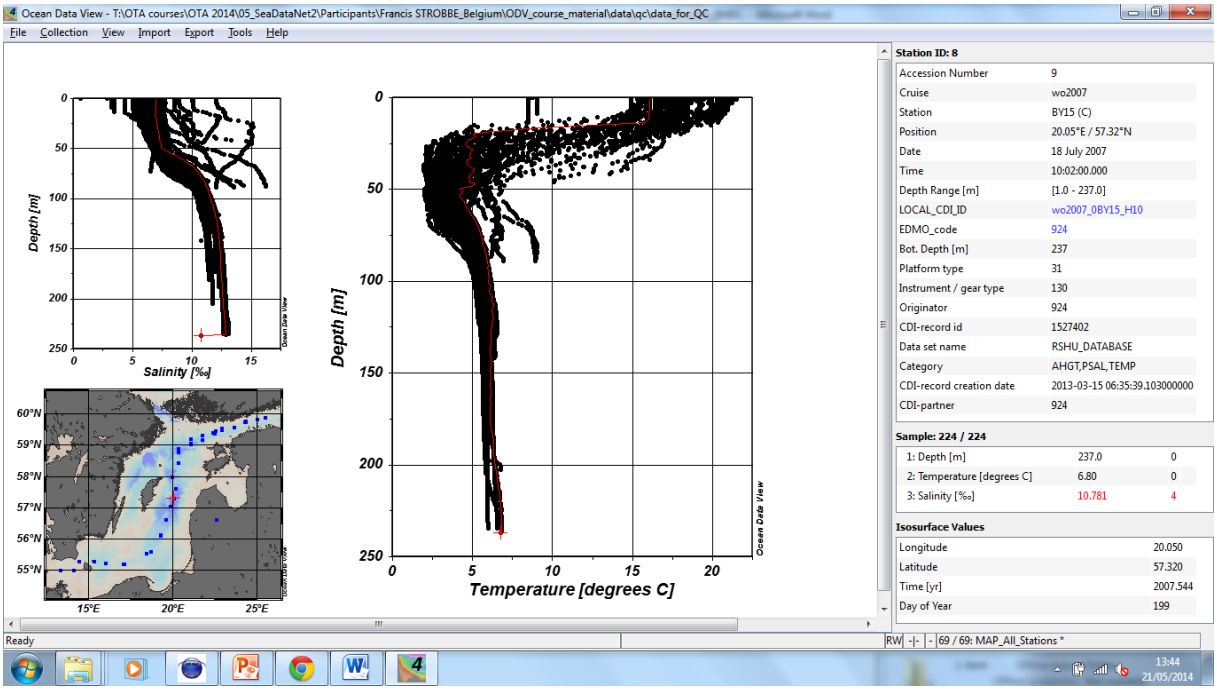


Right click on white background, to get layout windows OR

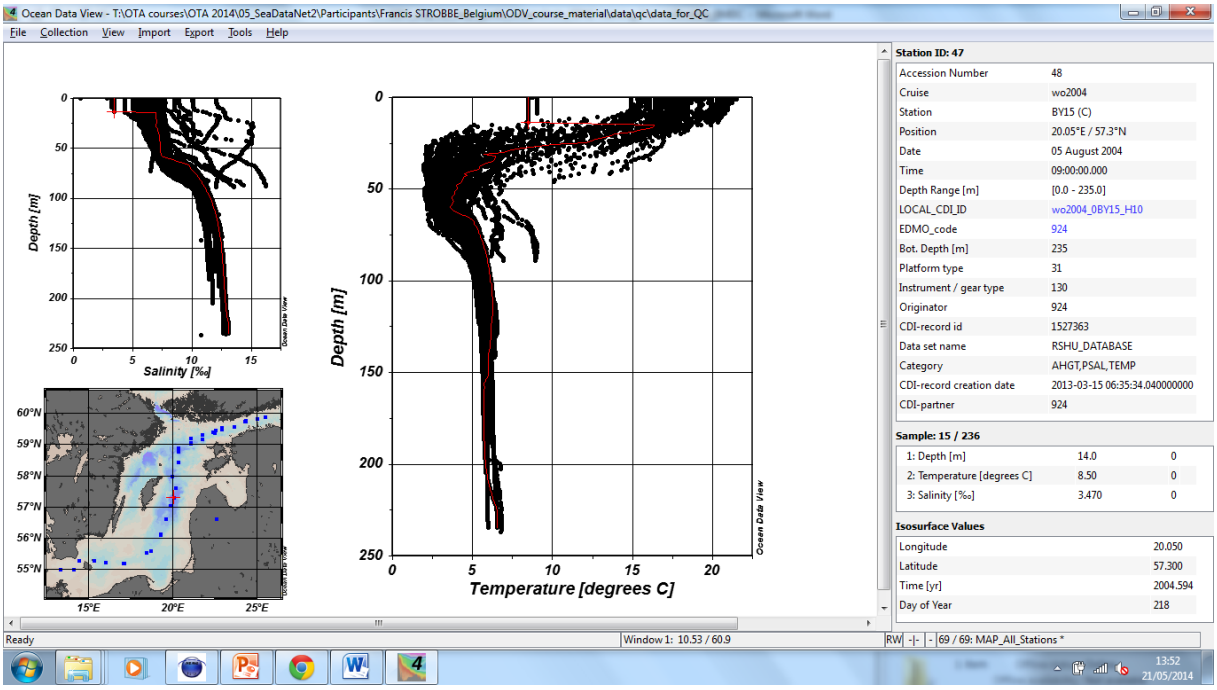
Use F8 – F9 – F10 – F11 FUNCTION BUTTONS to quickly change between views

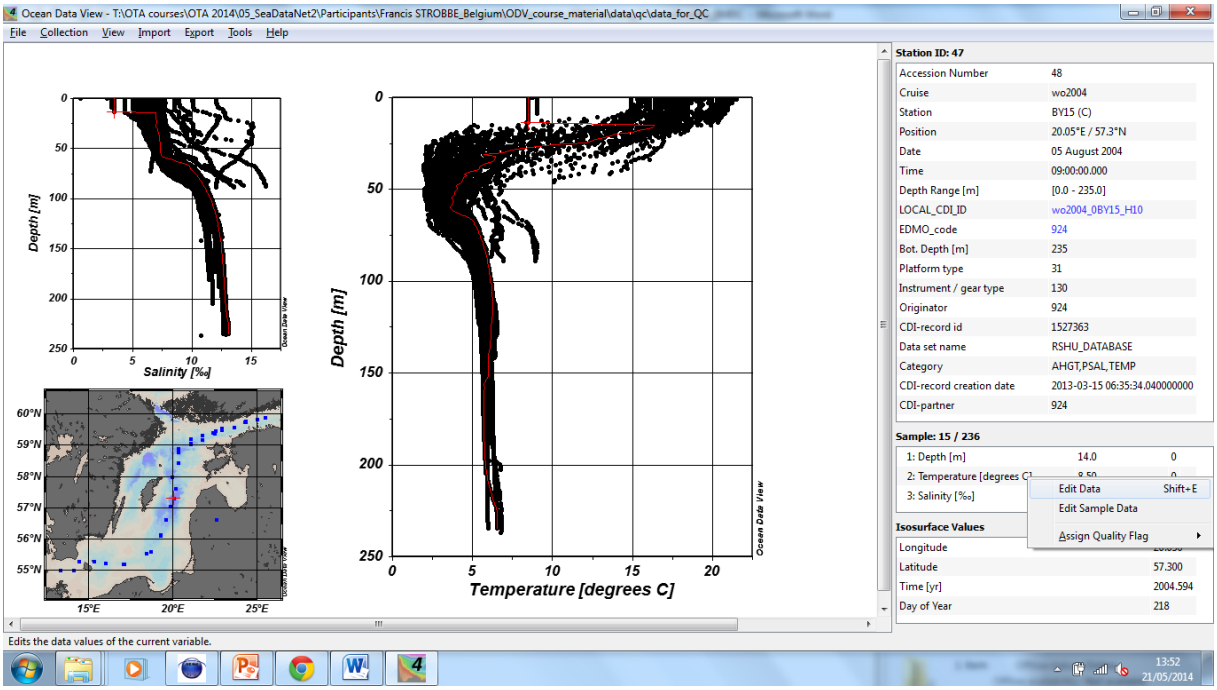

Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
File Collection View Import Export Tools Help
Depth [m]
Salinity [‰]
Temperature [degrees C]
Station ID: 8
Accession Number 9
Cruise wo2007
Station BY15 (C)
Position 20.05°E / 57.32°N
Date 18 July 2007
Time 10:02:00.000
Depth Range [m] [1.0 - 237.0]
LOCAL_CDI_ID wo2007_0BY15_H10
EDMO_code 924
Bot. Depth [m] 237
Platform type 31
Instrument / gear type 130
Originator 924
CDI-record id 1527402
Data set name RSHU_DATABASE
Category AHGT,PSAL,TEMP
CDI-record creation date 2013-03-15 06:35:39.103000000
CDI-partner 924
Sample: 224 / 224
1: Depth [m] 237.0 0
2: Temperature [degrees C] 6.80 0
3: Salinity [‰]
Isosurface Values
Edit Data Shift+E
Edit Sample Data
Assign Quality Flag
Current Sample
All Samples of Current Station
All Samples in Window 2
All Samples of Valid Stations
All Samples in Collection
2007.544
199
Assign quality flag value to current Salinity value.
13:43
21/05/2014


Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
File Collection View Import Export Tools Help
Depth [m]
Salinity [‰]
Temperature [degrees C]
Assign Quality Flags
Select new quality flag
0: no quality control
1: good value
2: probably good value
3: probably bad value
4: bad value
5: changed value
6: value below detection
7: value in excess
8: interpolated value
9: missing value
Assign to samples with ...
any QF value
OK
Cancel
Station ID: 8
Accession Number 9
Cruise wo2007
Station BY15 (C)
Position 20.05°E / 57.32°N
Date 18 July 2007
Time 10:02:00.000
Depth Range [m] [1.0 - 237.0]
LOCAL_CDI_ID wo2007_0BY15_H10
EDMO_code 924
Bot. Depth [m] 237
Platform type 31
Instrument / gear type 130
Originator 924
CDI-record id 1527402
Data set name RSHU_DATABASE
Category AHGT,PSAL,TEMP
CDI-record creation date 2013-03-15 06:35:39.103000000
CDI-partner 924
Sample: 224 / 224
1: Depth [m] 237.0 0
2: Temperature [degrees C] 6.80 0
3: Salinity [‰] 10.781 4
Isosurface Values
Longitude 20.050
Latitude 57.320
Time [yr] 2007.544
Day of Year 199
Ready
69 / 69: MAP_All_Stations *
13:44
21/05/2014

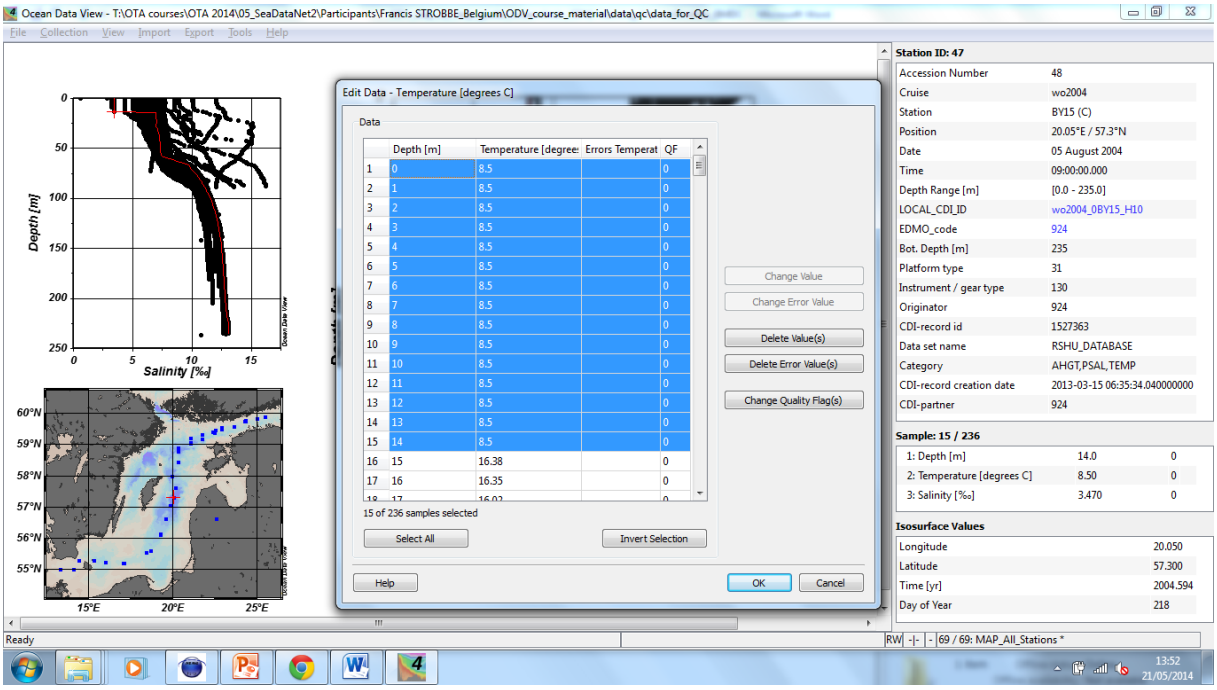


Flag and NOT DELETE a value

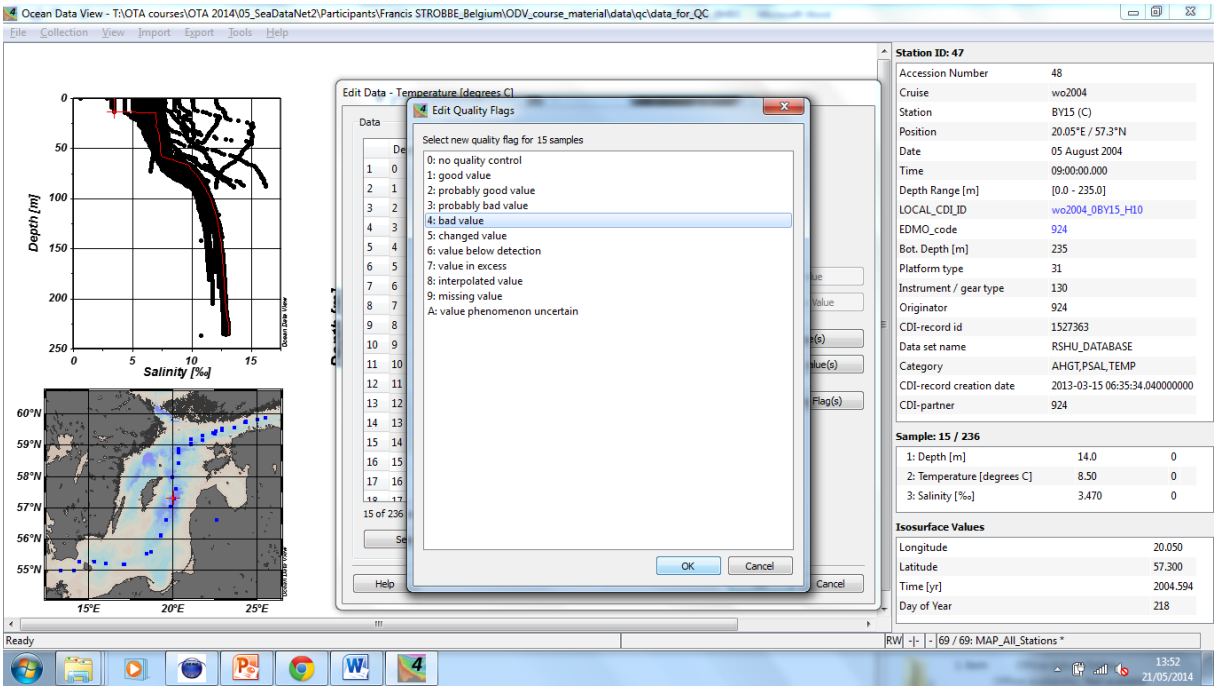


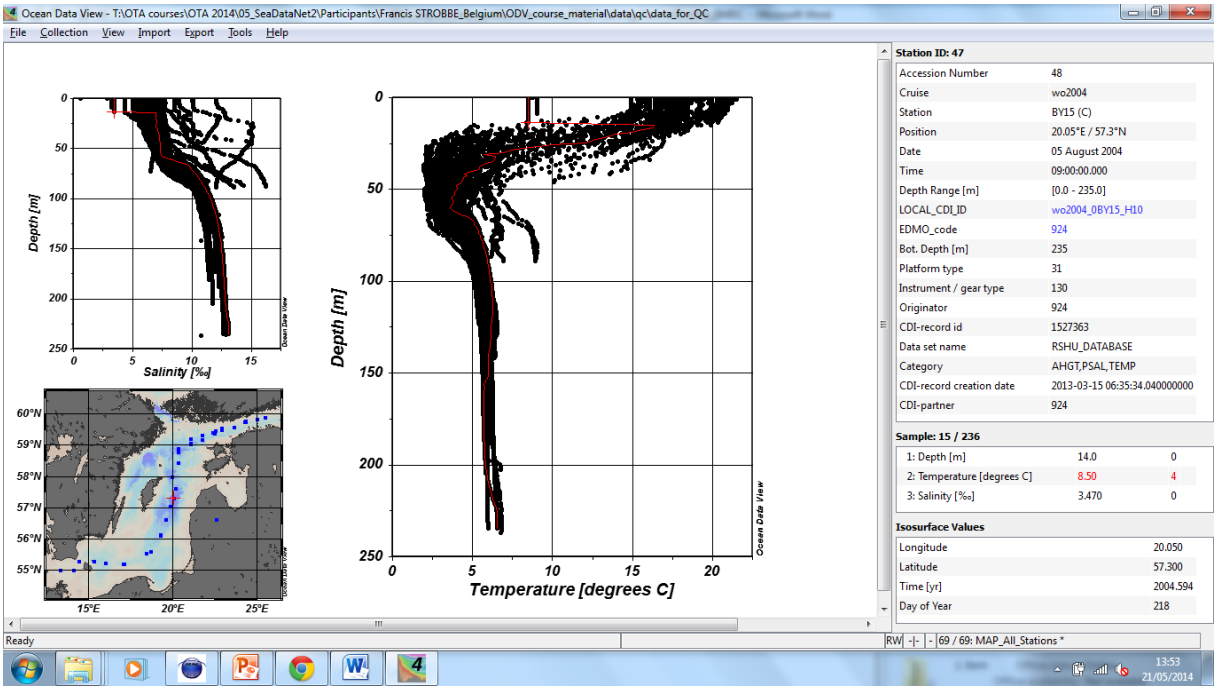


ALSO for a lot of point in a series (use arrows up and down)

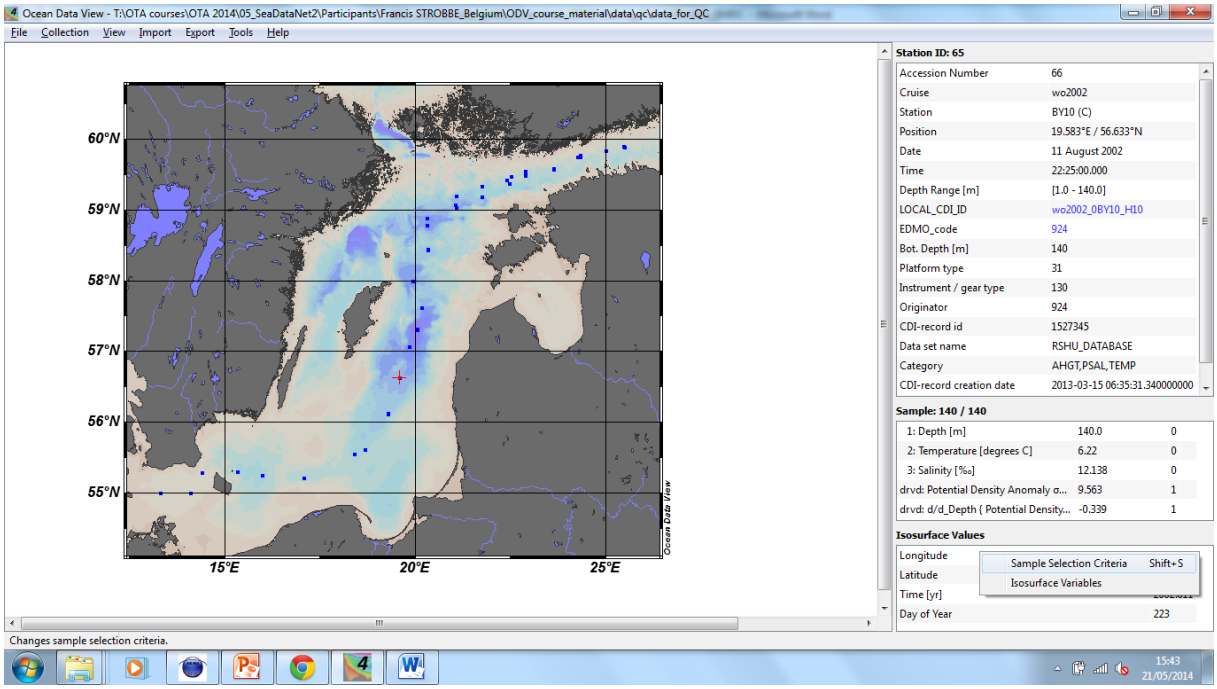


Sample selection criteria

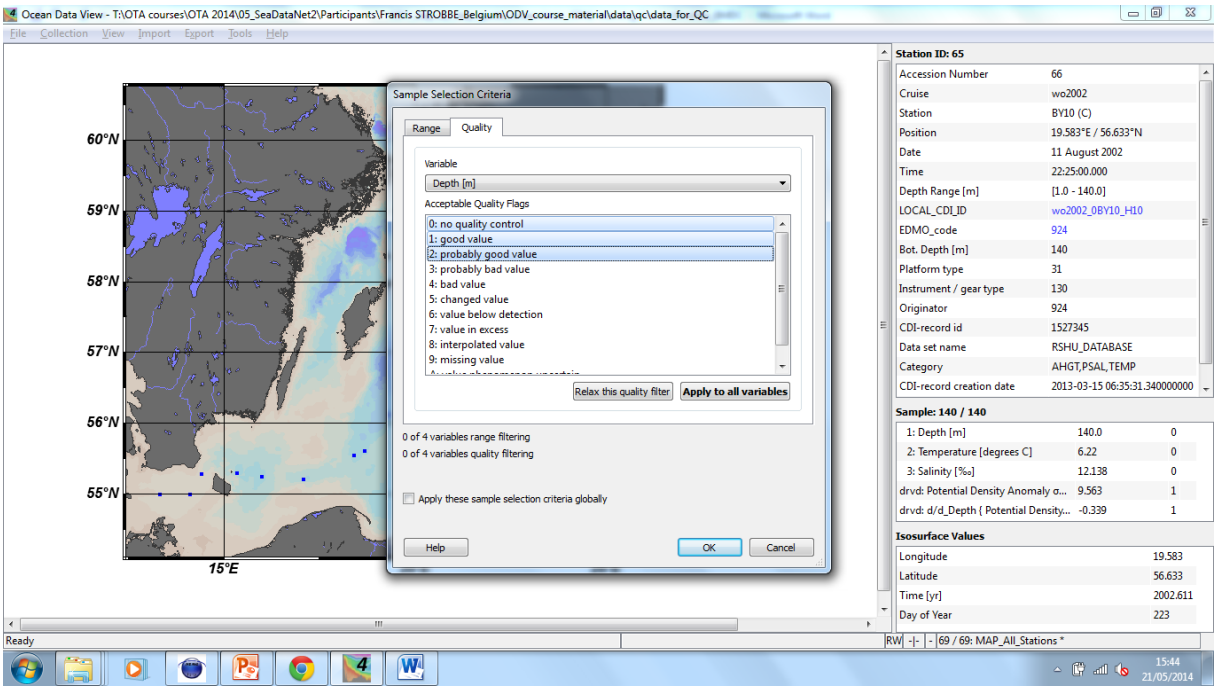




Quality filter

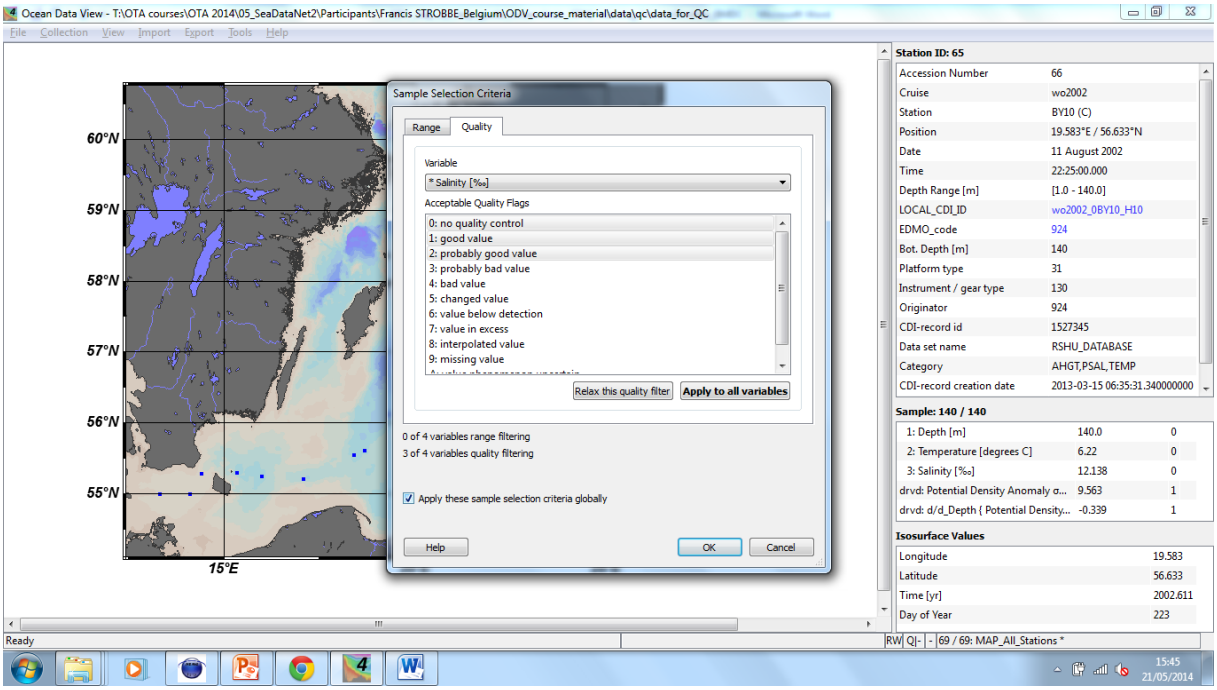


quality filter

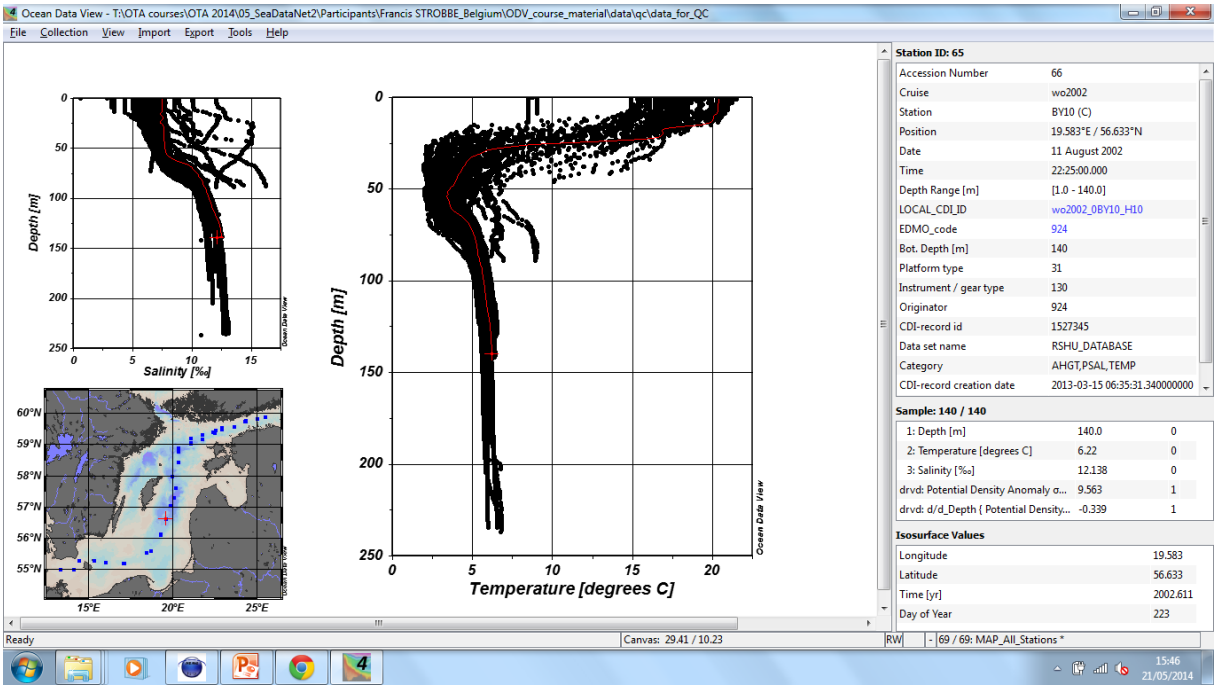


Select: No quality control – Good Value – Probably good value

Apply to all filters



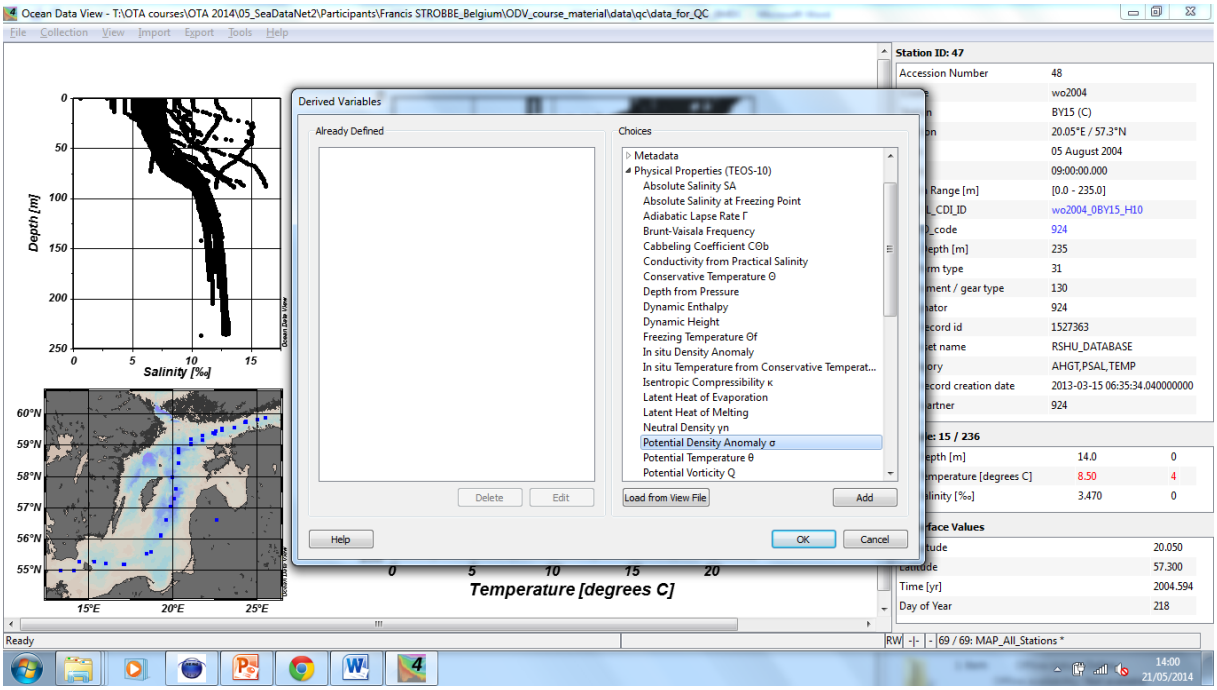
Extra: use filter for other markers!



So: on the map outliers no longer shown, ones that looked wrong also no longer shown

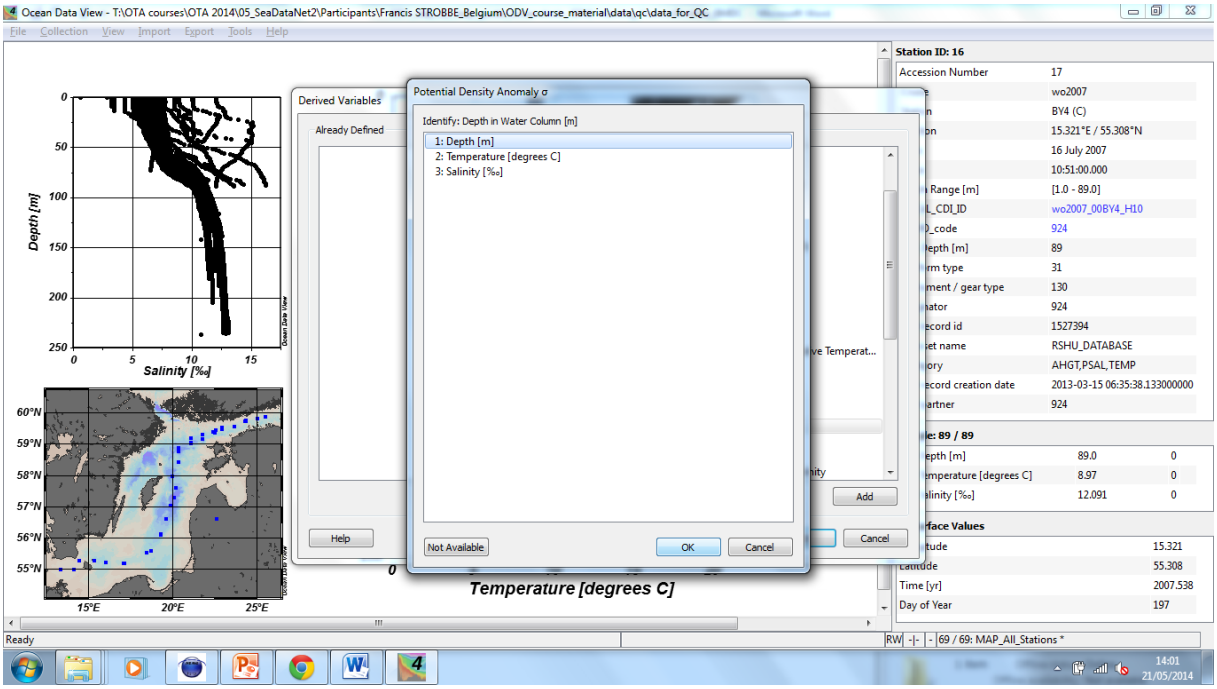
Other methods for QC

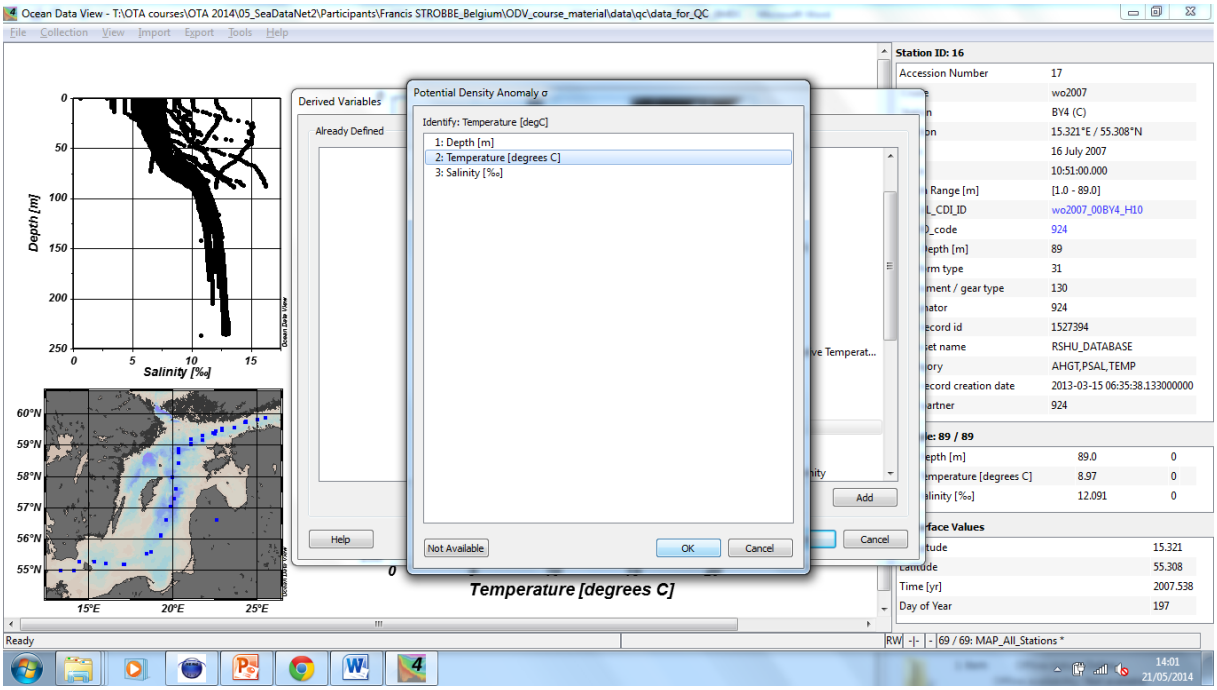
No qc complete is you haven't looked at density

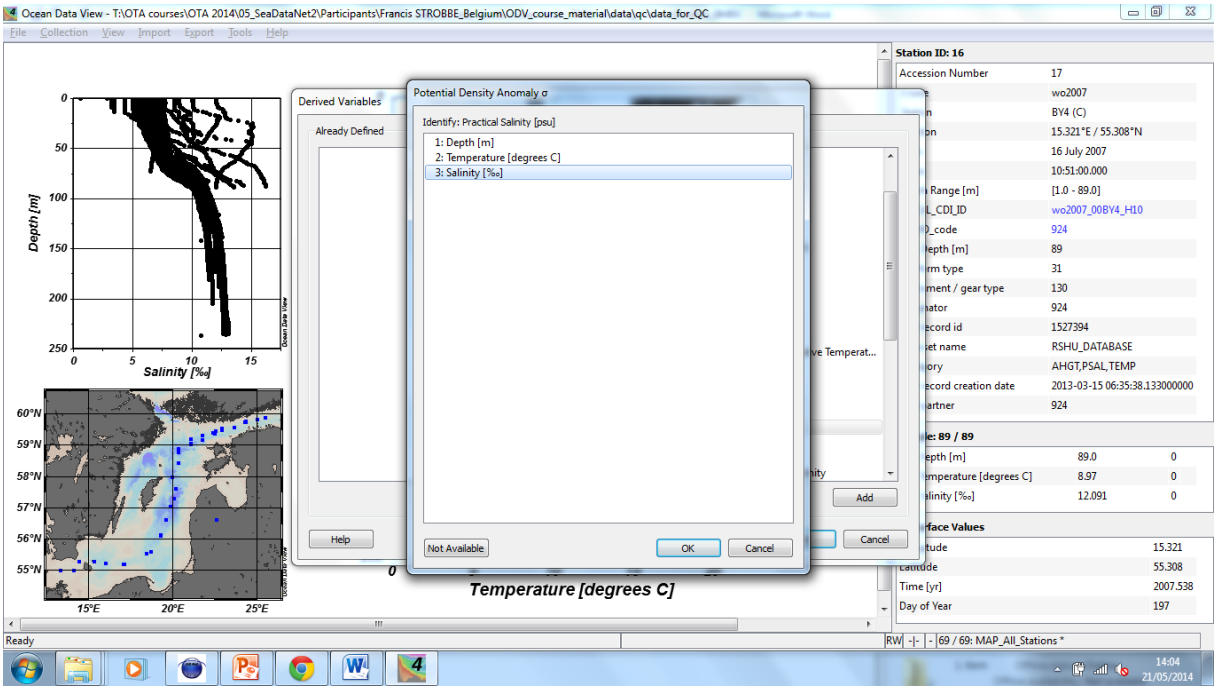


Look at density inversion, density increases with depth (LAW)

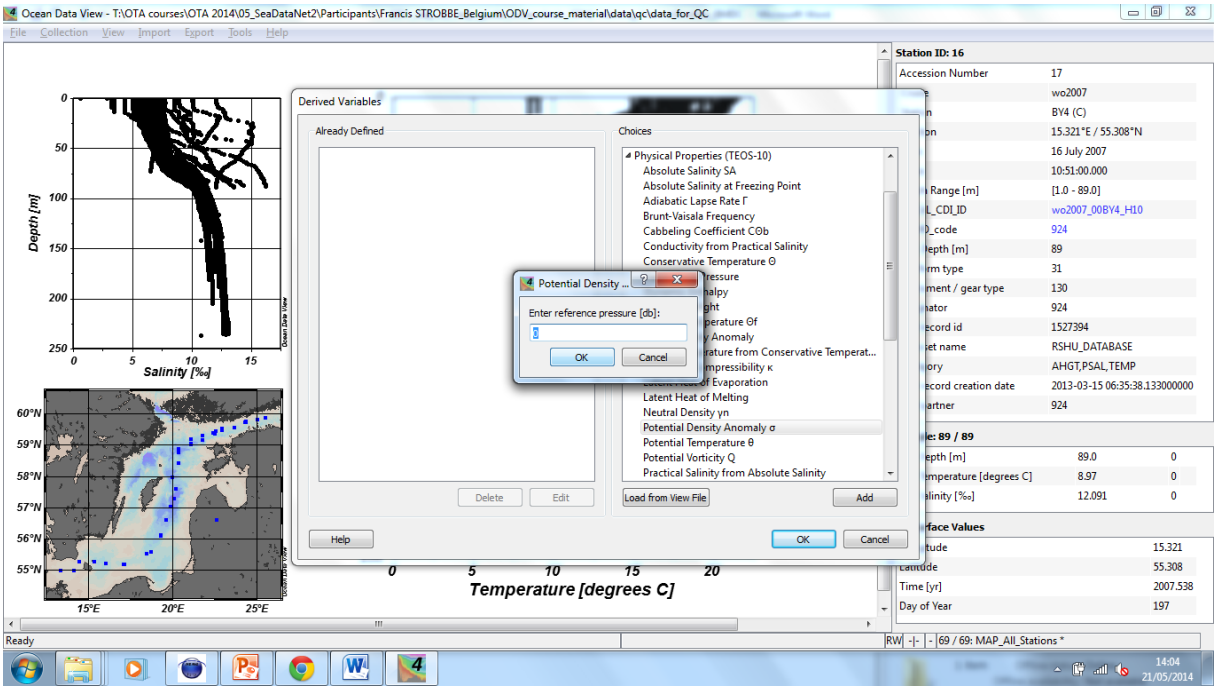
Density is a derived variable

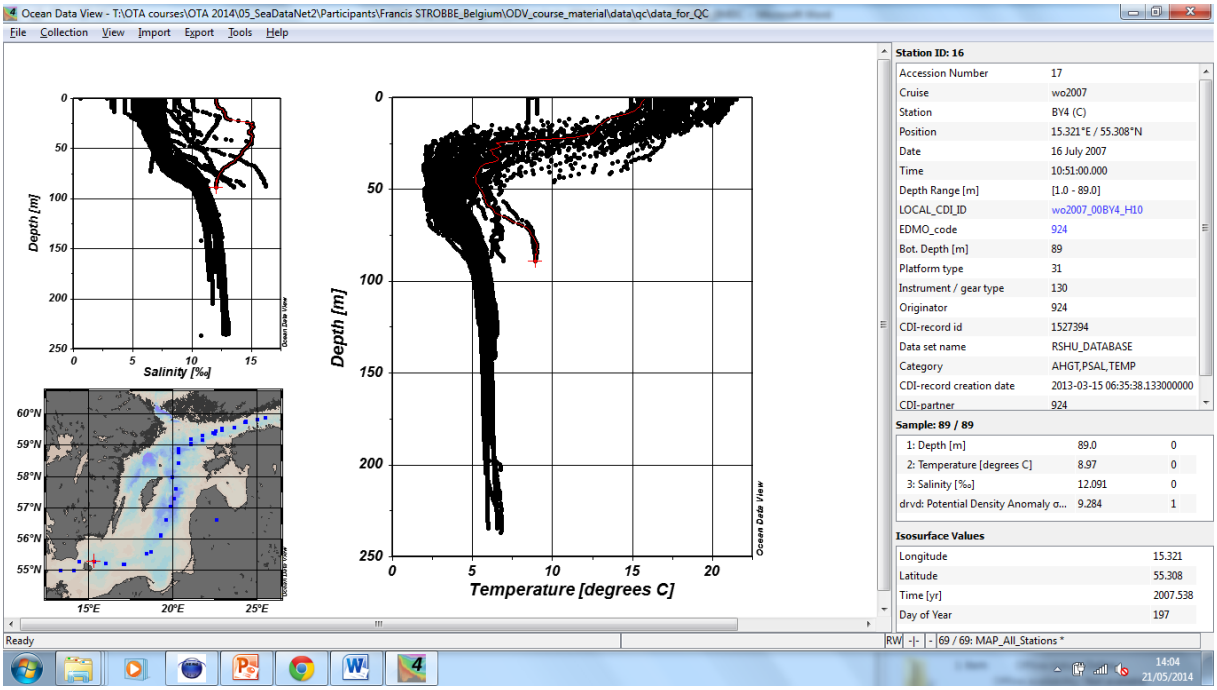




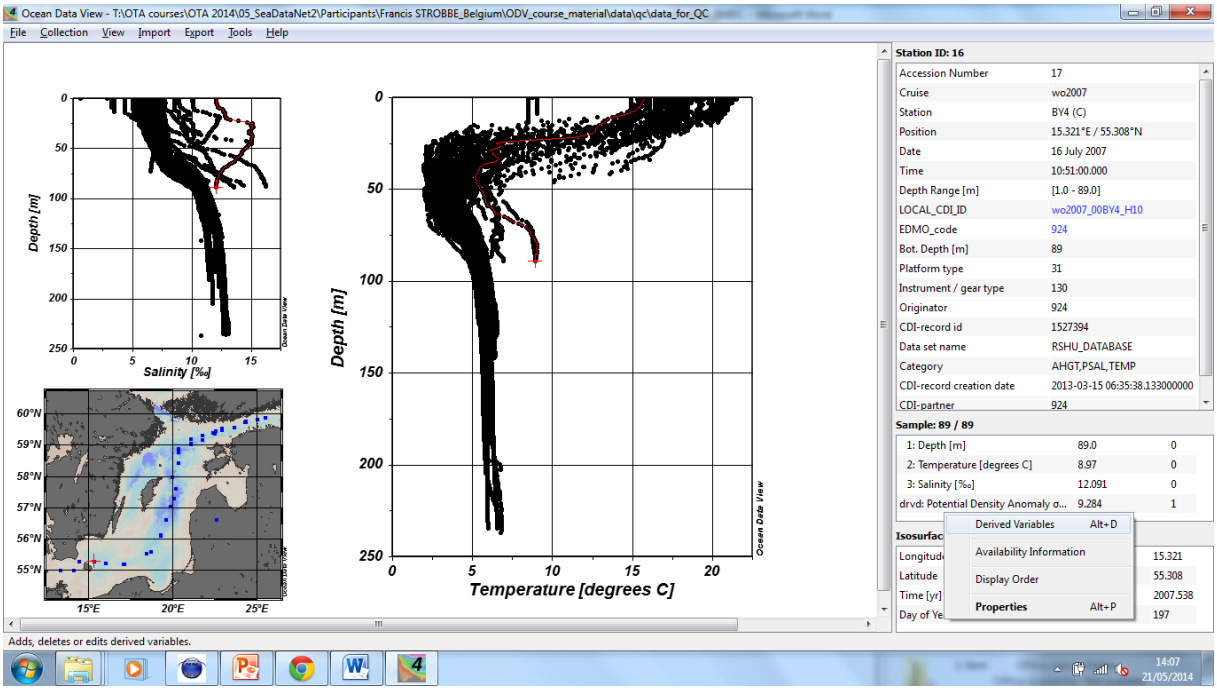


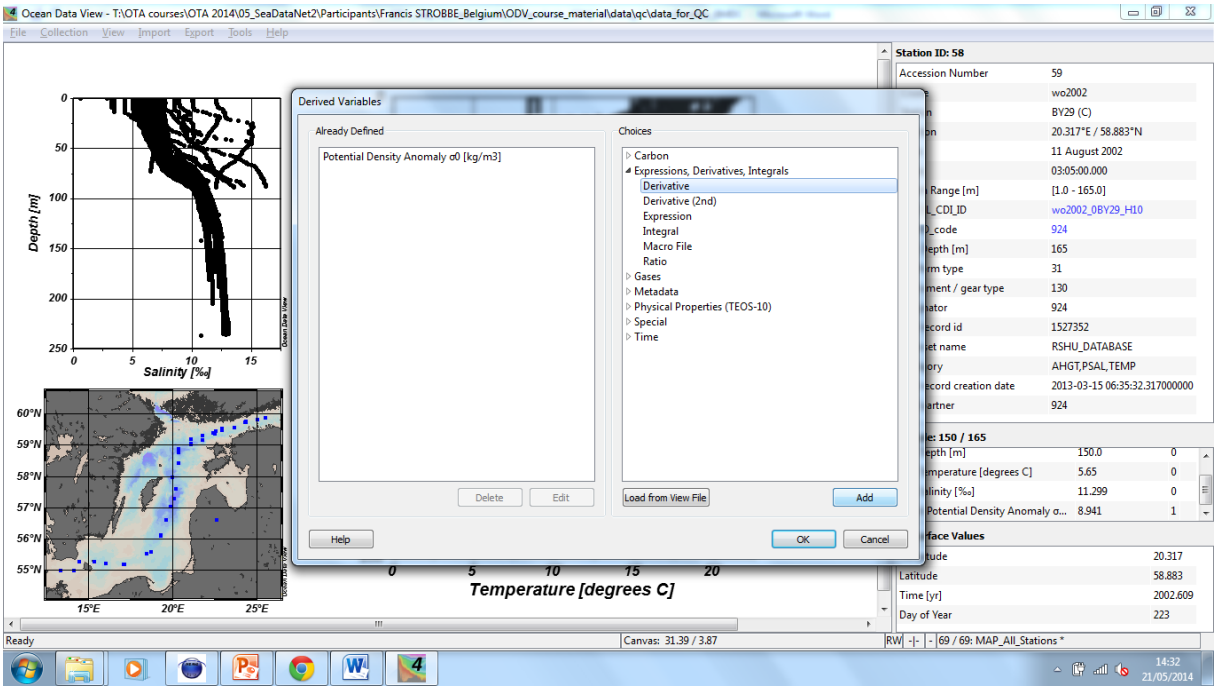
Select depth, temperature, salinity (TRIVIAL, click once, will never ask again)

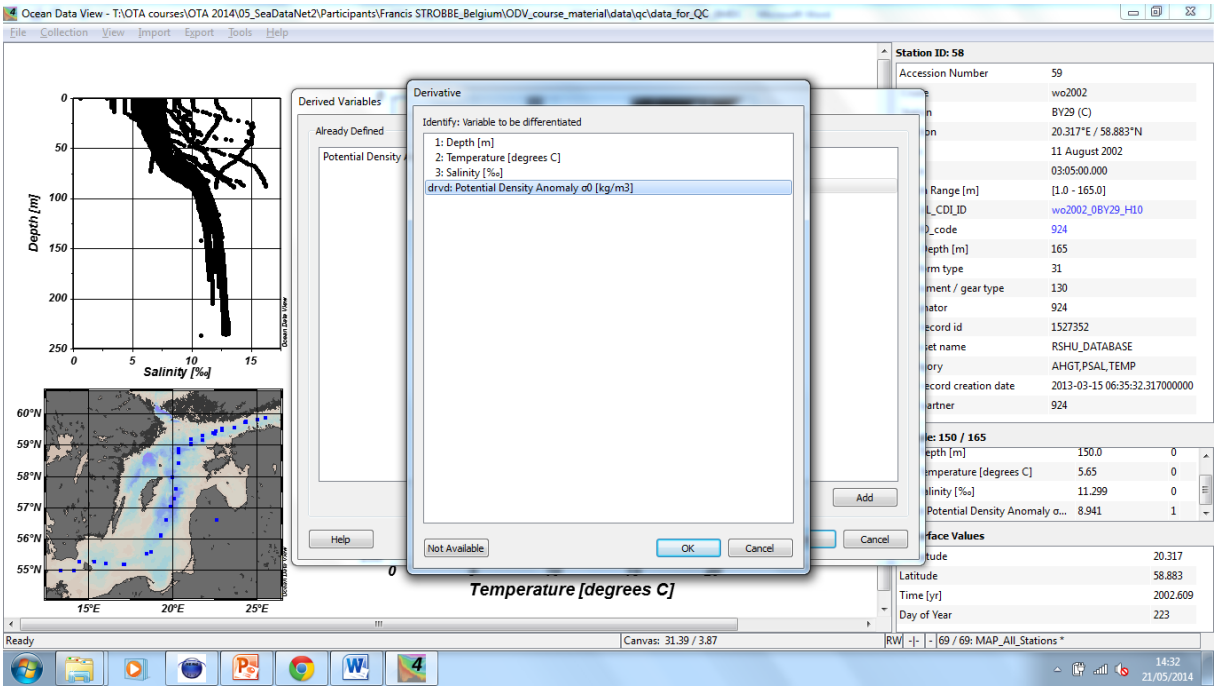


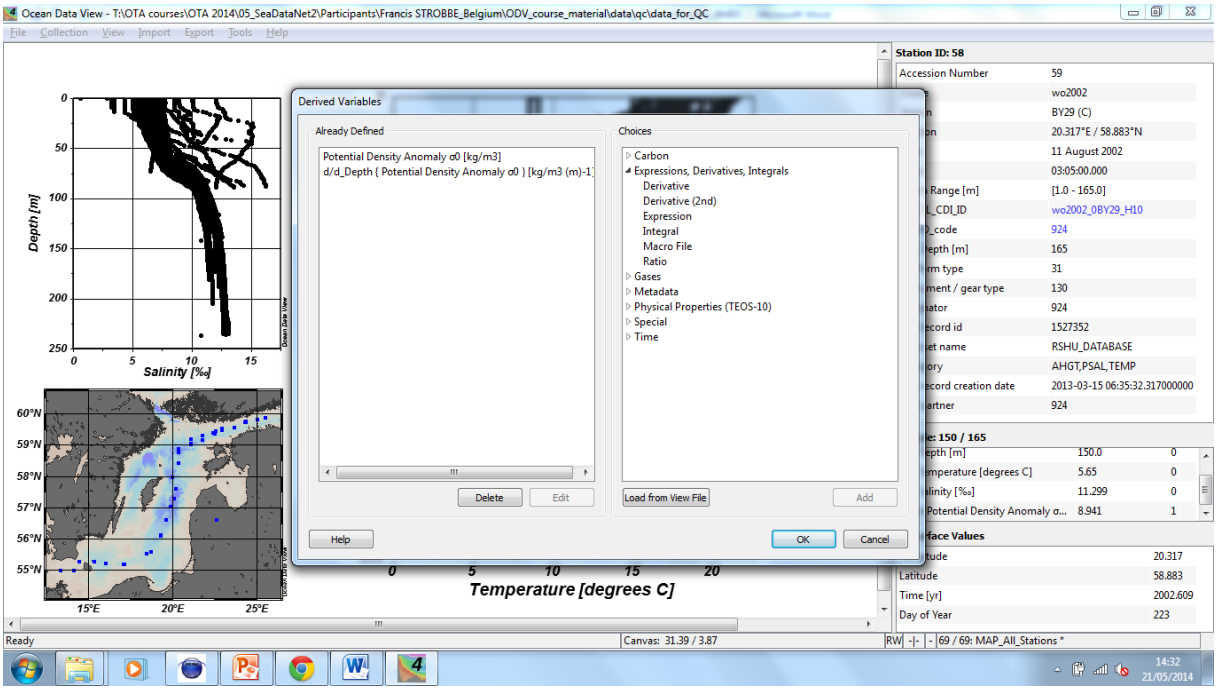


Added: drdv:Potential Density Anomaly…

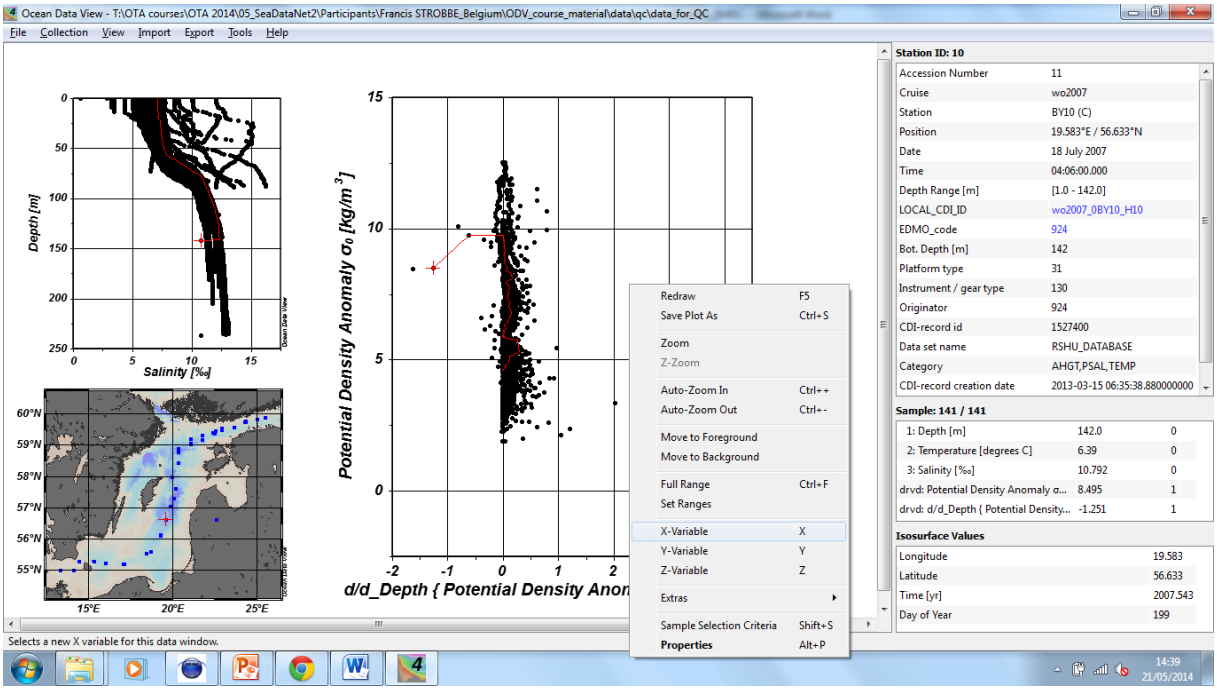

Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
File Collection View Import Export Tools Help
Depth [m]
Salinity [‰]
Temperature [degrees C]
Station ID: 16
Accession Number 17
Cruise wo2007
Station BY4 (C)
Position 15.321°E / 55.308°N
Date 16 July 2007
Time 10:51:00.000
Depth Range [m] [1.0 - 89.0]
LOCAL_CDI_ID wo2007_0BY4_H10
EDMO_code 924
Bot. Depth [m] 89
Platform type 31
Instrument / gear type 130
Originator 924
CDI-record id 1527394
Data set name RSHU_DATABASE
Category AHGT,PSAL,TEMP
CDI-record creation date 2013-03-15 06:35:38.133000000
CDI-partner 924
Sample: 89 / 89
1: Depth [m] 89.0 0
2: Temperature [degrees C] 8.97 0
3: Salinity [‰] 12.091 0
drvd: Potential Density Anomaly σ... 9.284 1
Derived Variables Alt+D
Availability Information
Display Order
Properties Alt+P
Adds, deletes or edits derived variables.

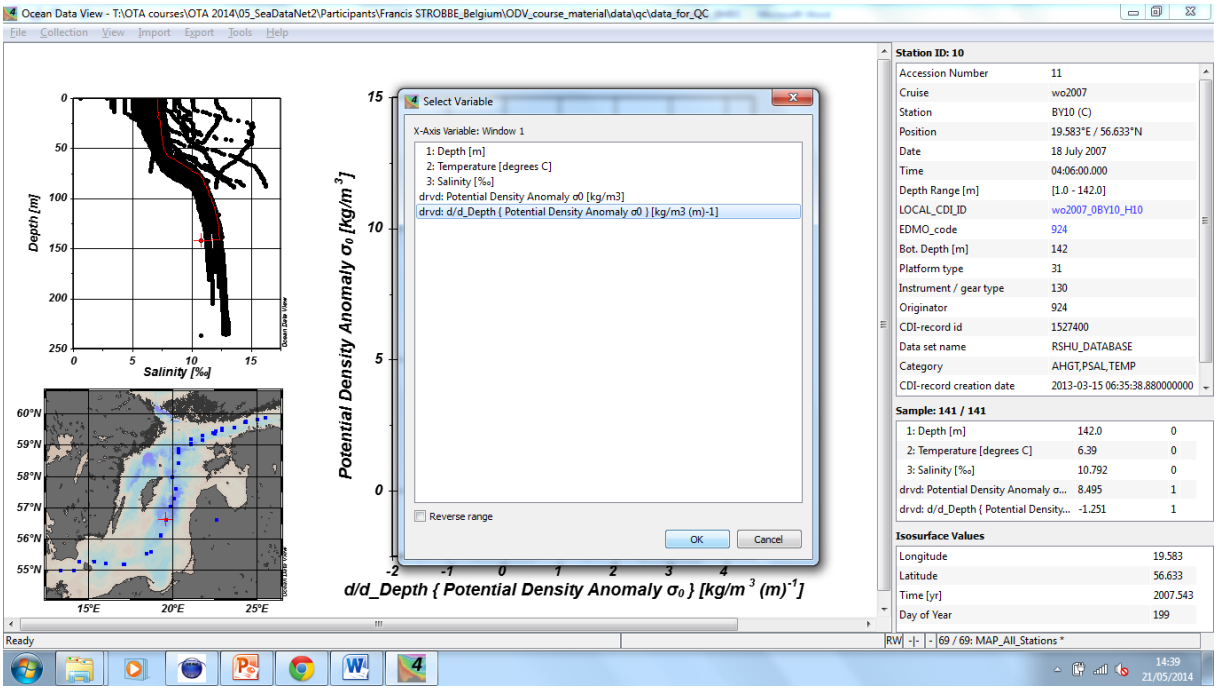

Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
Derived Variables
Already Defined
Potential Density Anomaly σ0 [kg/m3]
Choices
Carbon
Expressions, Derivatives, Integrals
Derivative
Derivative (2nd)
Expression
Integral
Macro File
Ratio
Gases
Metadata
Physical Properties (TEOS-10)
Special
Time
Delete
Edit
Load from View File
Add
Help
OK
Cancel
Station ID: 58
Ready
Canvas: 31.39 / 3.87

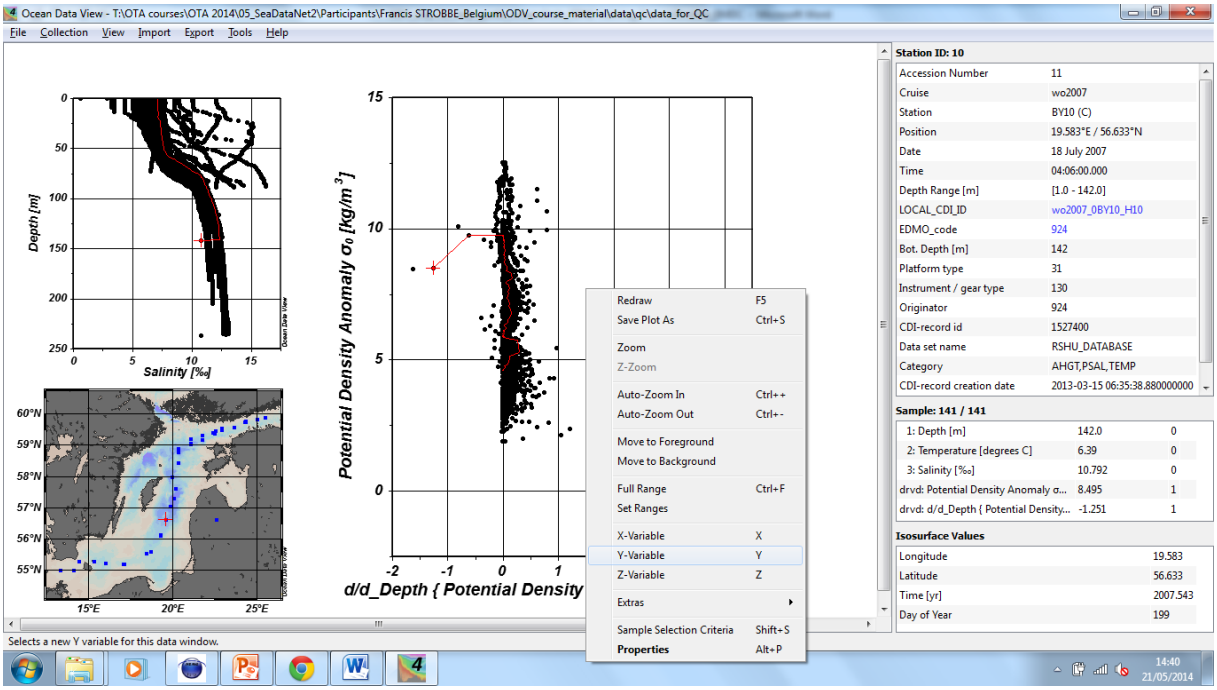


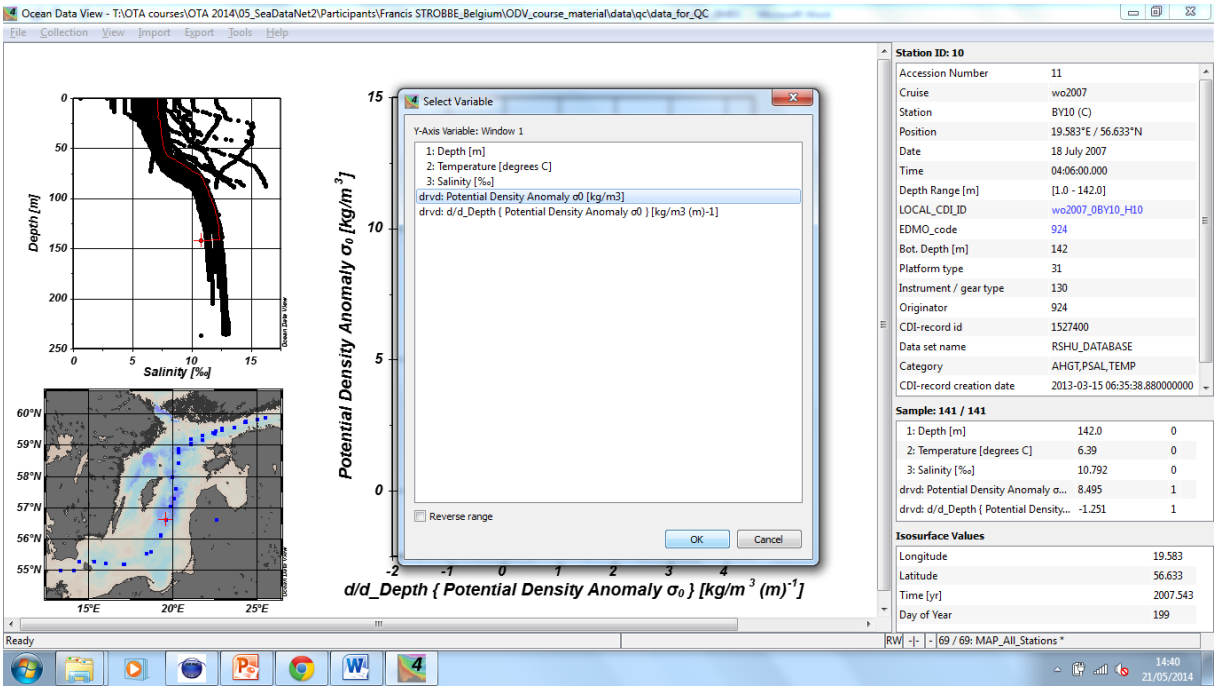


Add inversed drvd : d/d_Depth…

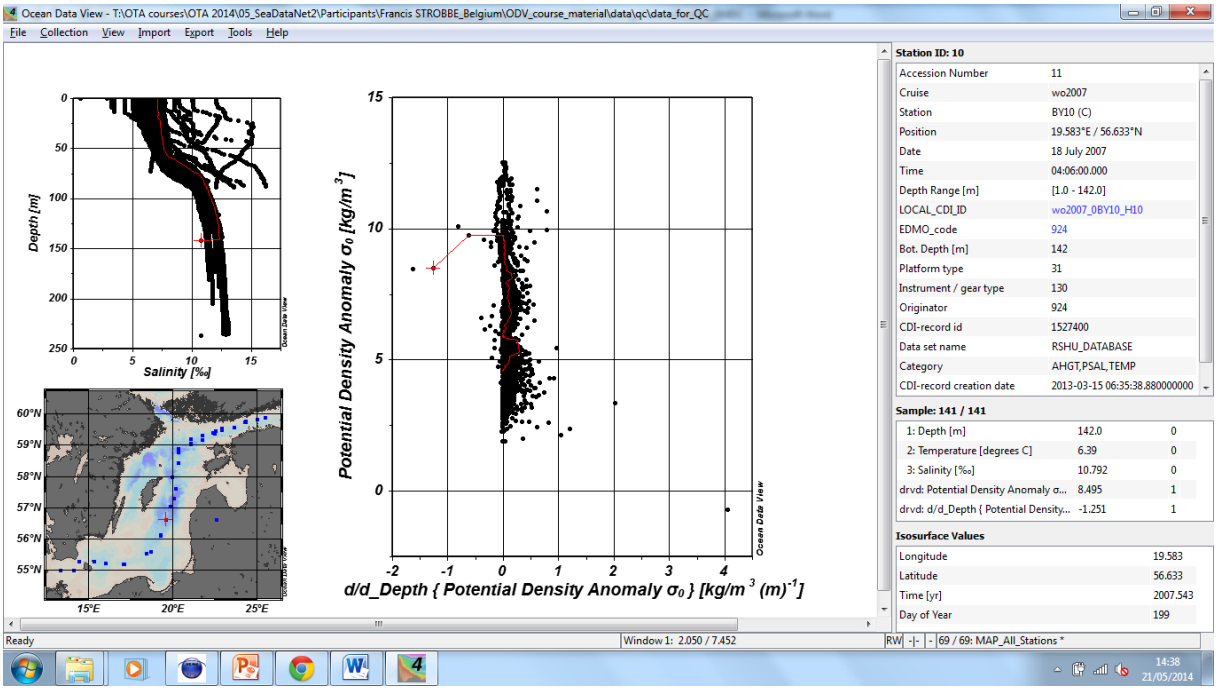

Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
File Collection View Import Export Tools Help
Depth [m]
Salinity [‰]
Potential Density Anomaly σ0 [kg/m3]
d/d_Depth { Potential Density Anor
Redraw F5
Save Plot As Ctrl+S
Zoom
Z-Zoom
Auto-Zoom In Ctrl++
Auto-Zoom Out Ctrl+-
Move to Foreground
Move to Background
Full Range Ctrl+F
Set Ranges
X-Variable X
Y-Variable Y
Z-Variable Z
Extras
Sample Selection Criteria Shift+S
Properties Alt+P
Station ID: 10
Accession Number 11
Cruise wo2007
Station BY10 (C)
Position 19.583°E / 56.633°N
Date 18 July 2007
Time 04:06:00.000
Depth Range [m] [1.0 - 142.0]
LOCAL_CDI_ID wo2007_0BY10_H10
EDMO_code 924
Bot. Depth [m] 142
Platform type 31
Instrument / gear type 130
Originator 924
CDI-record id 1527400
Data set name RSHU_DATABASE
Category AHGT,PSAL,TEMP
CDI-record creation date 2013-03-15 06:35:38.880000000
Sample: 141 / 141
1: Depth [m] 142.0 0
2: Temperature [degrees C] 6.39 0
3: Salinity [‰] 10.792 0
drvd: Potential Density Anomaly σ... 8.495 1
drvd: d/d_Depth { Potential Density... -1.251 1
Isosurface Values
Longitude 19.583
Latitude 56.633
Time [yr] 2007.543
Day of Year 199
Selects a new X variable for this data window.


Ocean Data View - T:\OTA courses\OTA 2014\05_SeaDataNet2\Participants\Francis STROBBE_Belgium\ODV_course_material\data\qc\data_for_QC
Select Variable
X-Axis Variable: Window 1
1: Depth [m]
2: Temperature [degrees C]
3: Salinity [‰]
drvd: Potential Density Anomaly σ0 [kg/m3]
drvd: d/d_Depth { Potential Density Anomaly σ0 } [kg/m3 (m)-1]
Reverse range
OK
Cancel
d/d_Depth { Potential Density Anomaly σ0 } [kg/m3 (m)-1]
Station ID: 10
Ready
69 / 69: MAP_All_Stations *



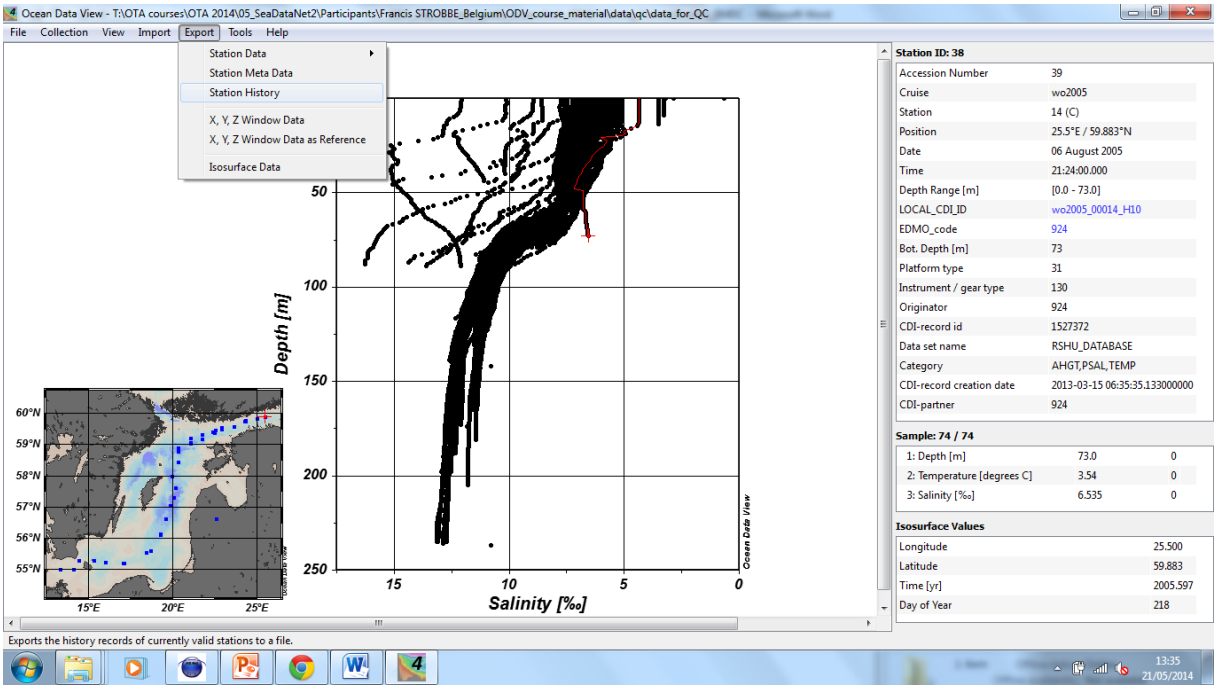


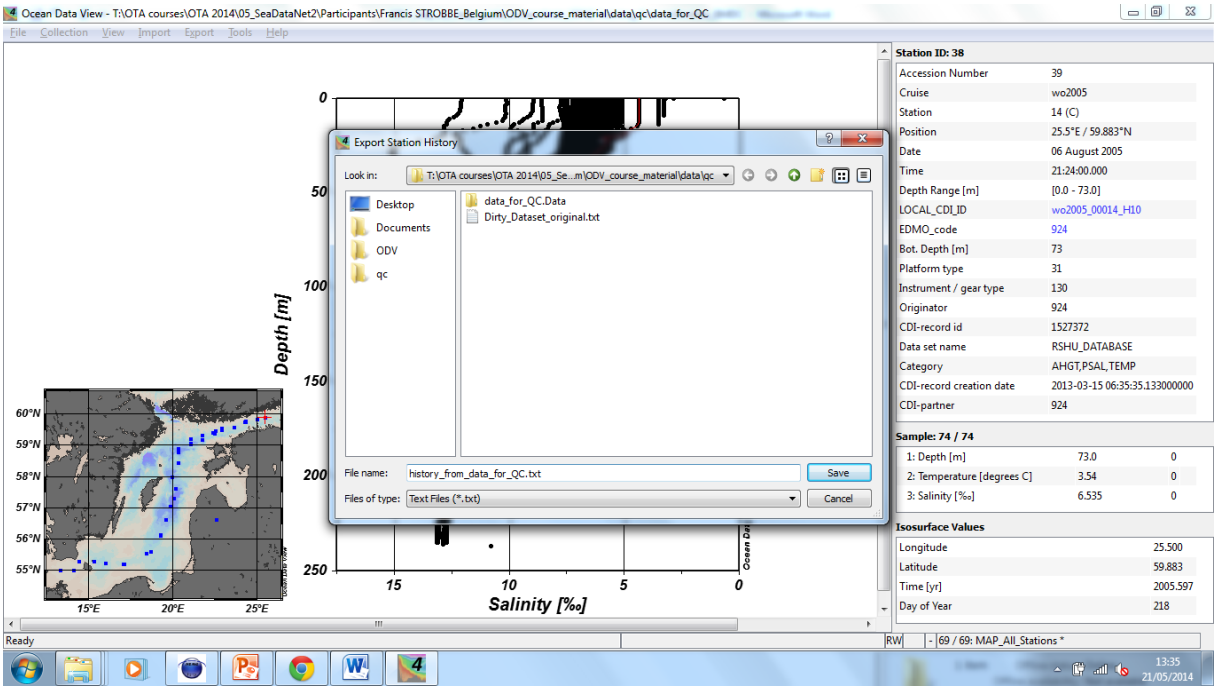
Create depth over d>d_depth plot and look at the result.



NEGATIVES will be wrong somewhere!

Get all the log messages out





Export –> station history –> save as –> all log history will be saved on a .text file