

# UnifAI Technology Ltd

## DAVE 2.0 User Guide





DAVE (Data, Analytics and Visualisation Engine) is UnifAI Technology's data platform, user interface and dashboard.

DAVE is a platform which enables Users to integrate and manage data from multiple sources, including existing datasets and data from third-party platforms, sensors or devices.

The platform has a powerful embedded analytics capability which enables Users to run real-time analytics across multiple parameters and sensors over time and space.

DAVE helps Users to link their data to Neural Networks created within UnifAI Technology's ANNA platform (Advanced Neural Networks and AI).

The purpose of this guide is to show Users how to operate DAVE.

There is a separate guide for Administrators.


If you already have a username, go to the next page

If this is your first time using DAVE, your Administrator will initiate an email to you with your unique Licence Key

Follow the link in the email to the sign up page

When you first sign up for a user account, a temporary password will be emailed to you separately

Make sure you remember or make a note of your Username



### Sign up

Already have an account? [Sign in](#)

R4XR-UWYB-XXXX

☐ I agree with the [privacy policy](#).

Continue

Your Licence Key may self-populate

If not, cut and paste it from the email and enter it here

After signing up, you will be taken to the sign in screen


Check the inbox for the email you used to sign up for your temporary password

Use this and the username you selected on sign up, to sign in

If this is the first time you are signing in, you will be prompted to change your password to one of your choosing

Sign in with your username and password.  
(case sensitive)





### Sign in

New to UnifAI? [Sign up](#)

[Forgot your password?](#)

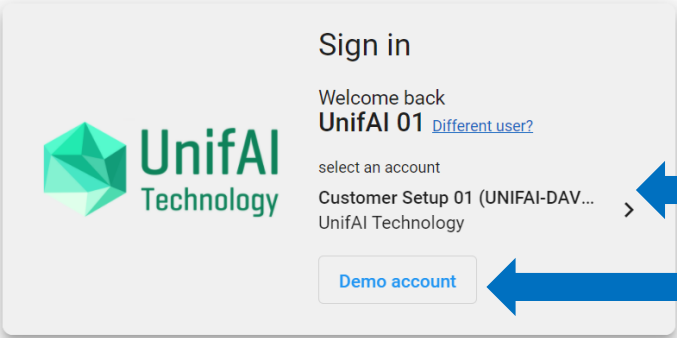
☒ Remember me

Sign in

If you are unable to sign in contact your Administrator, or email:

[info@unifaitechnology.com](mailto:info@unifaitechnology.com)





**After you sign in, any accounts you have access to will be listed here**

**The Demo Account is available to all Users**

**We recommend you use the Demo Account the first time you use this guide**

All

Douro River - Ribeira

2

Douro River - Arrábida

3

City Hall

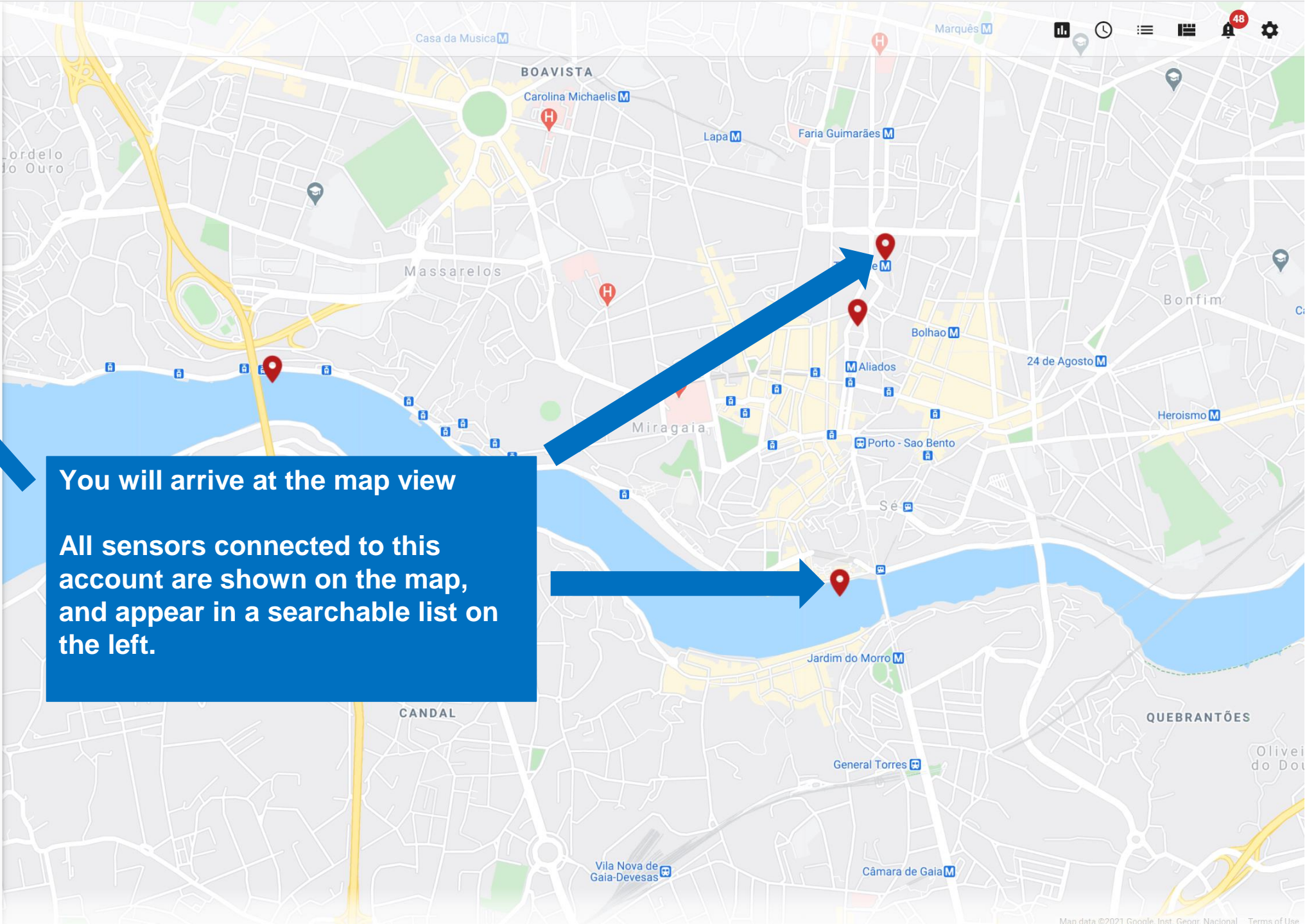
2

Trindade Station

1

You will arrive at the map view

All sensors connected to this account are shown on the map, and appear in a searchable list on the left.



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

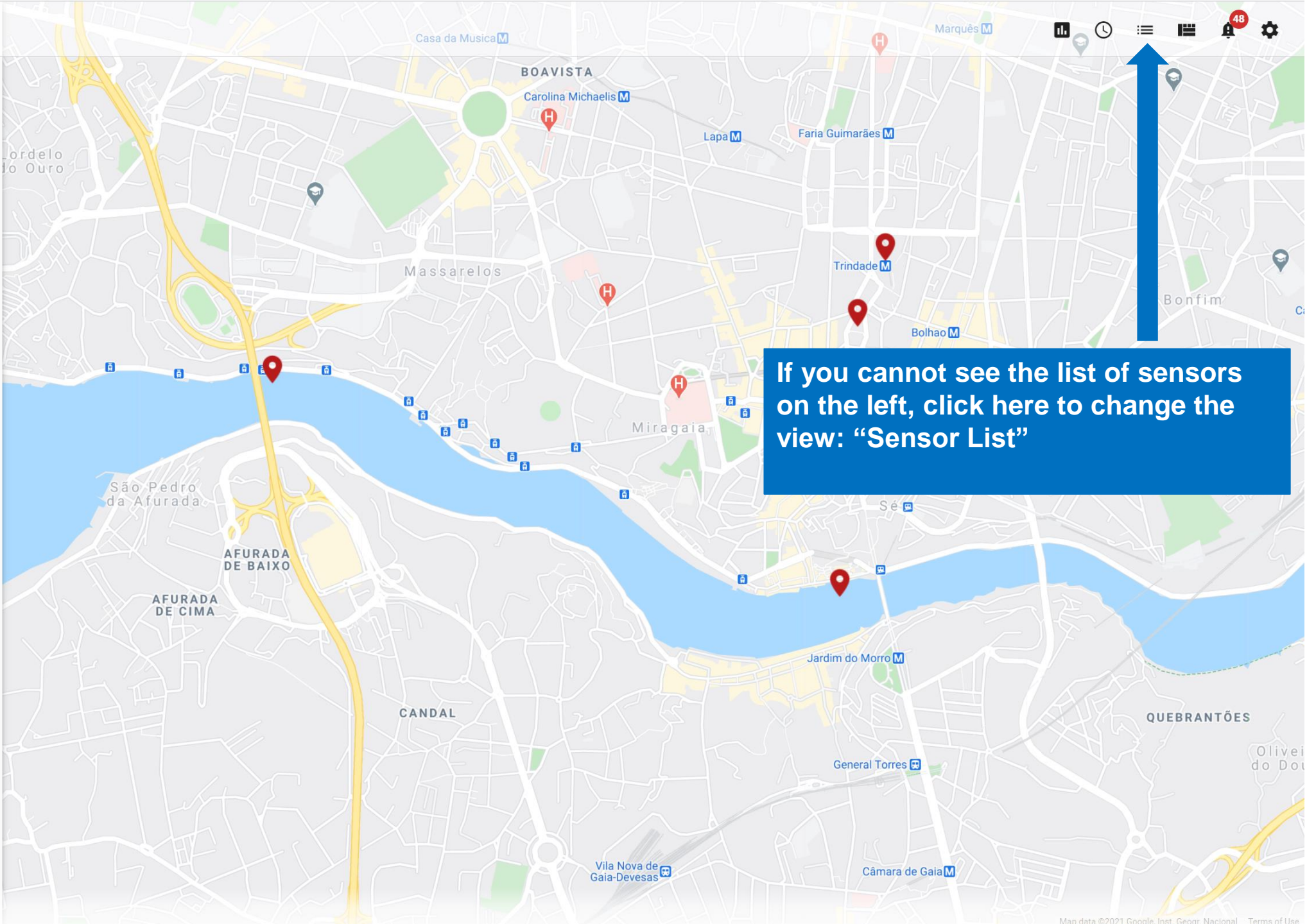
2

3

2

1

Select a sensor



If you cannot see the list of sensors on the left, click here to change the view: "Sensor List"



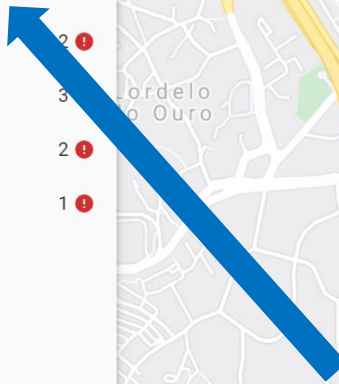
All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

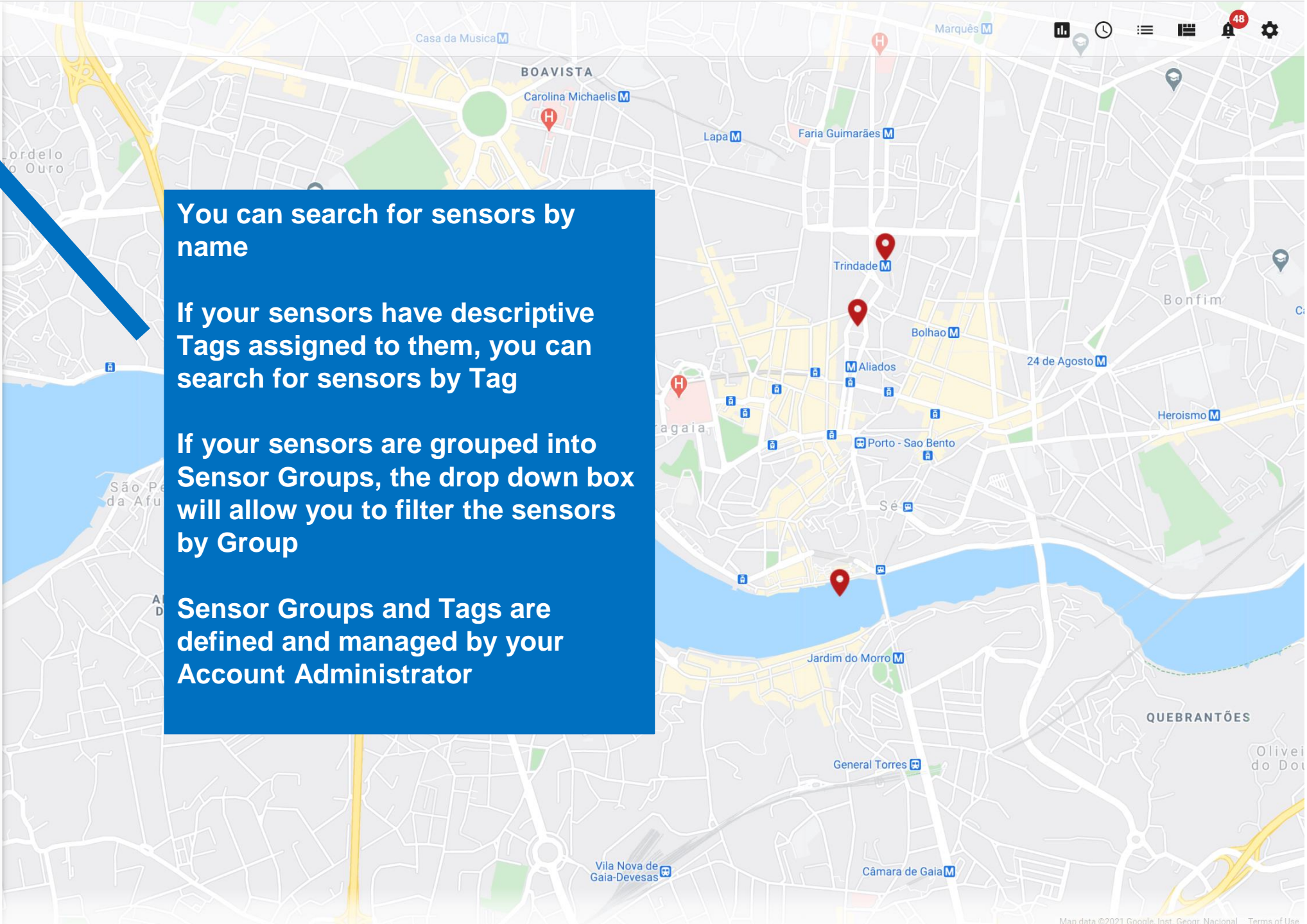


**You can search for sensors by name**

**If your sensors have descriptive Tags assigned to them, you can search for sensors by Tag**

**If your sensors are grouped into Sensor Groups, the drop down box will allow you to filter the sensors by Group**

**Sensor Groups and Tags are defined and managed by your Account Administrator**



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

2

3

2

1

Zoom in or out on the map as you would Google Maps

With a touch screen you can pinch in and out with your fingers

You can use a mouse with a scroll wheel



All

Douro River - Ribeira

2

Douro River - Arrábida

3

City Hall

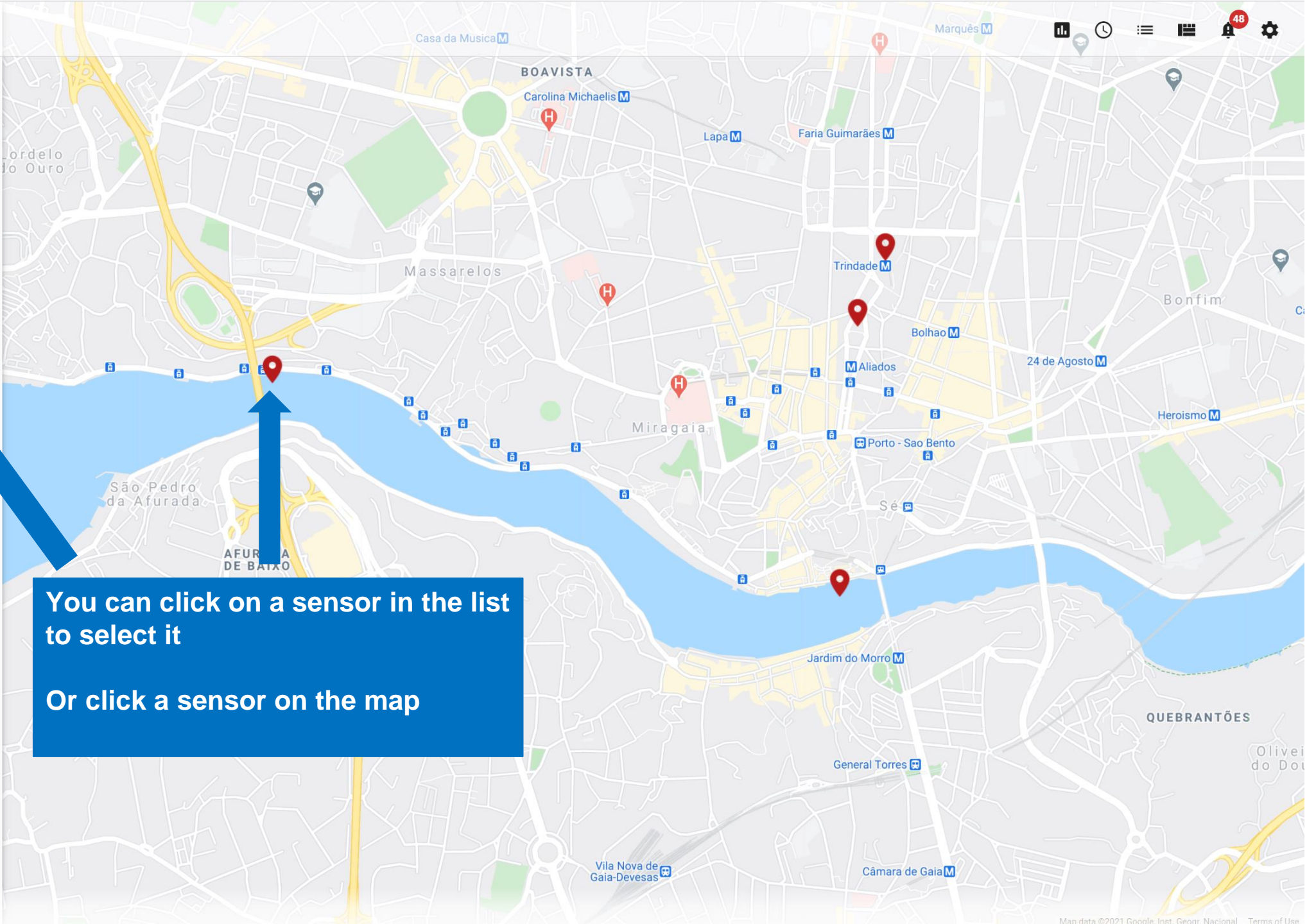
2

Trindade Station

1

You can click on a sensor in the list to select it

Or click a sensor on the map



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

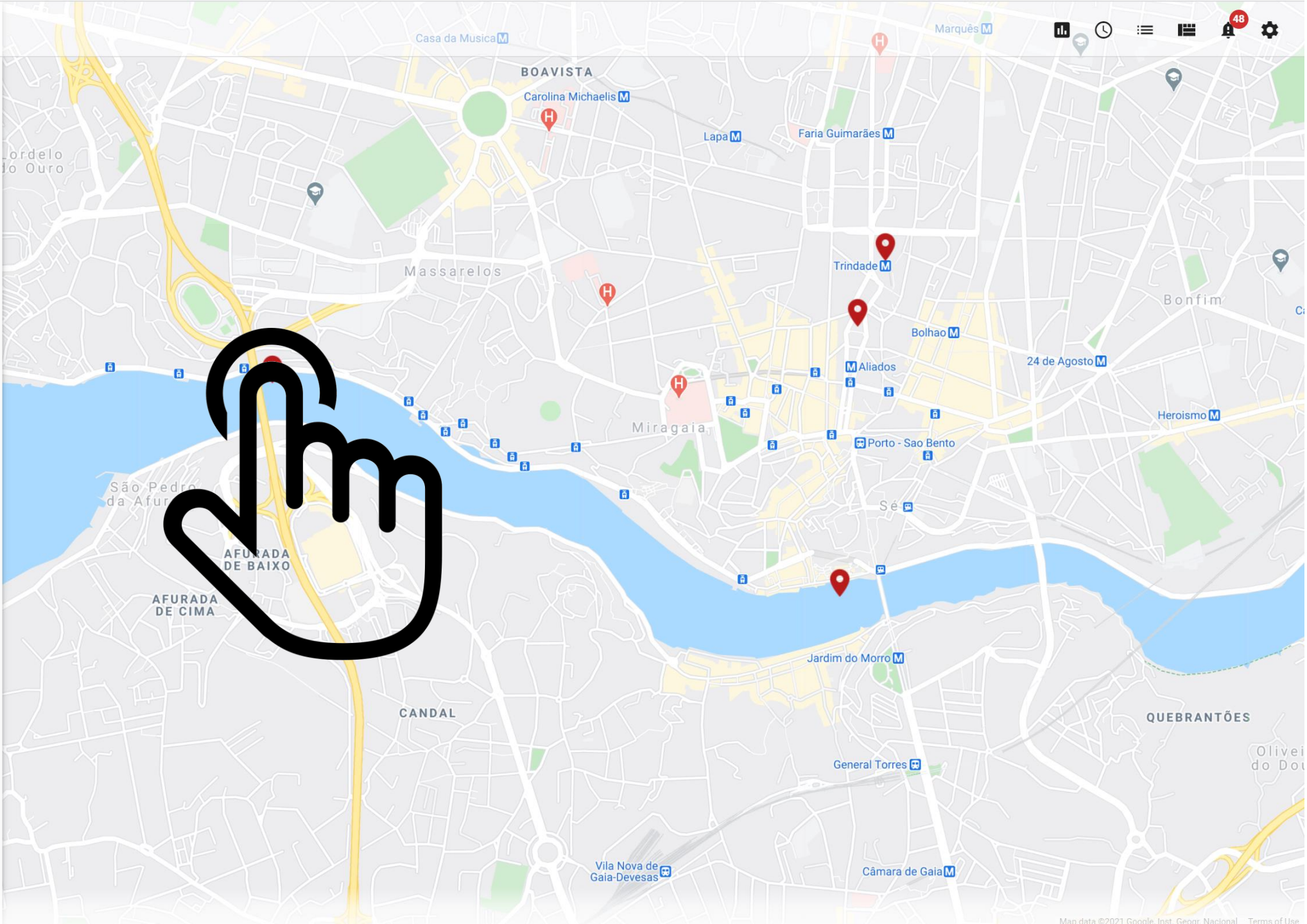
2

3

2

1

Select a sensor





All

Douro River - Ribeira 1

Douro River - Arrábida 3

City Hall

Trindade Station 1

Douro River - Arrábida

PT02  
20:04 Fri, 19 Feb 2021

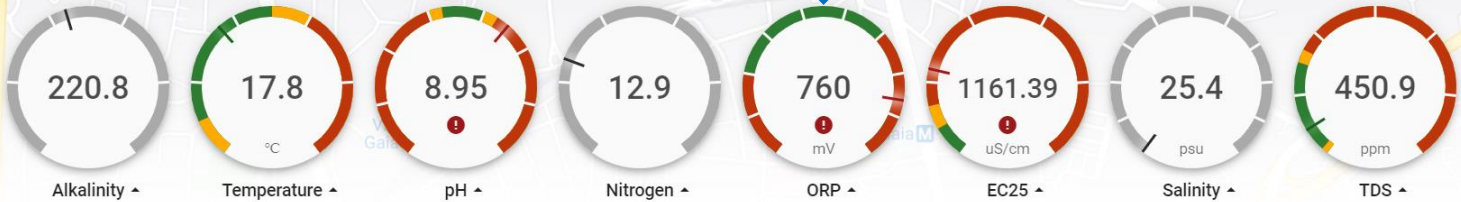
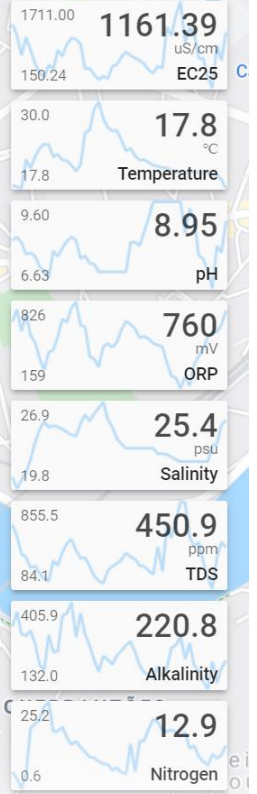


16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

A shadow appears below the selected sensor



A number of gauges and graphs will appear, relating to that sensor





All

Douro River - Ribeira 1

Douro River - Arrábida 3

City Hall

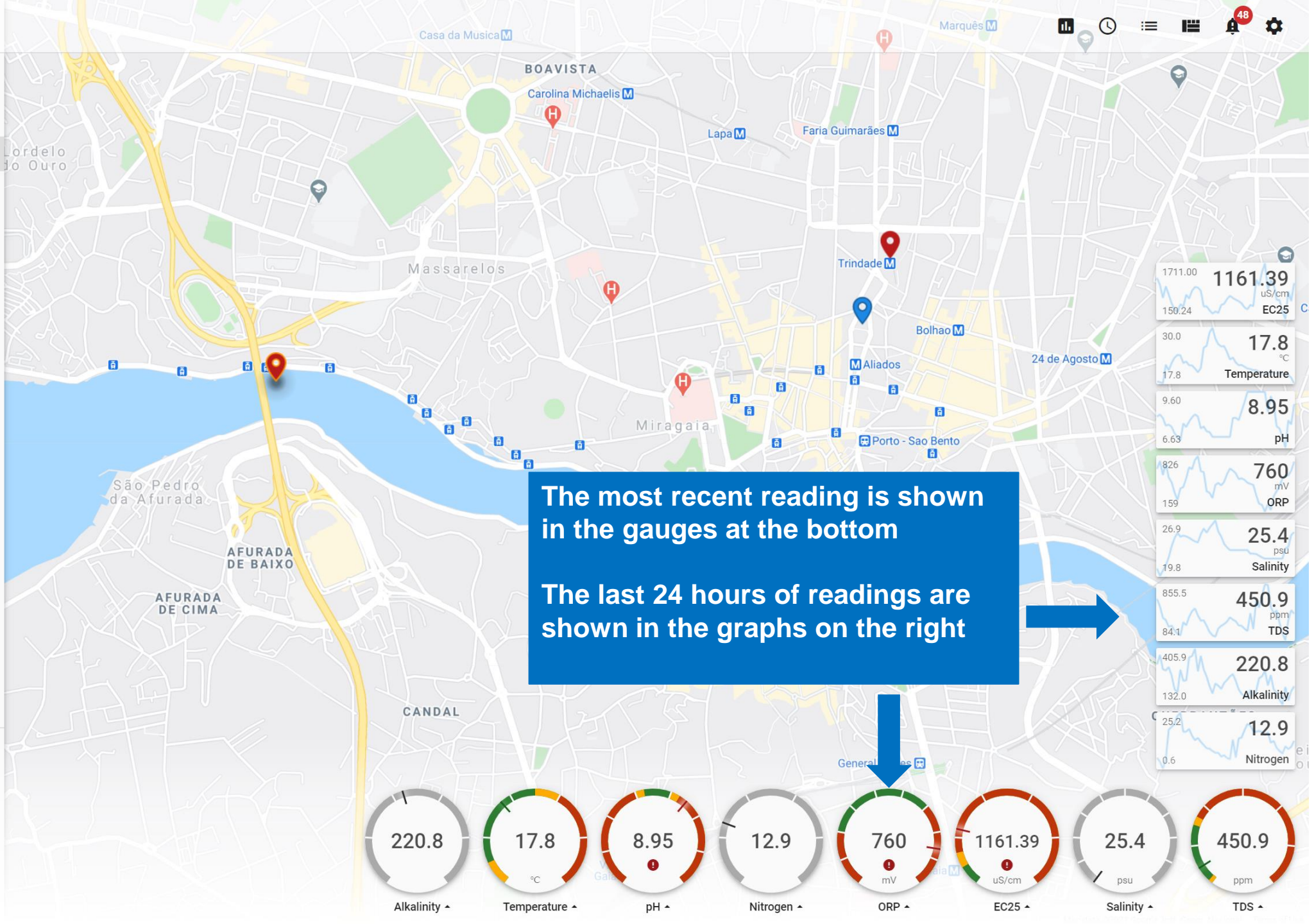
Trindade Station 1

Douro River - Arrábida

PT02  
20:04 Fri, 19 Feb 2021



16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0





All

Douro River - Ribeira

1

Douro River - Arrábida

3

City Hall

Trindade Station

1

Douro River - Arrábida

PT02

20:04 Fri, 19 Feb 2021

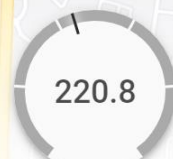


16.6°C

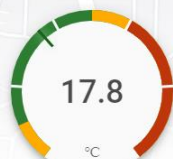
Humidity 5%

Precipitation 0.01 mm/h

UV 5.0



Alkalinity



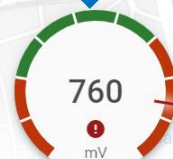
Temperature



pH



Nitrogen



ORP



EC25



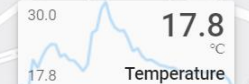
Salinity



TDS

Preconfigured thresholds with  
Green, Yellow and Red zones can  
be shown on the gauges

These thresholds are set by your  
organisation's Administrator



All

Douro River - Ribeira

1

Douro River - Arrábida

3

City Hall

Trindade Station

1

Douro River - Arrábida

PT02

20:05 Fri, 19 Feb 2021

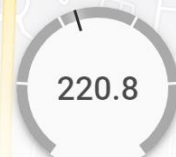


16.6°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0



Alkalinity



Temperature



pH



Nitrogen



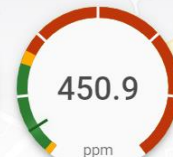
ORP



EC25



Salinity



TDS

Click on a gauge that is showing  
Green, Yellow and Red thresholds

Two options appear: Heat Map and  
Open Chart

Click Heat Map

Heat map

Open chart

1711.00  
150.24  
1161.39  
uS/cm  
EC25

30.0  
17.8  
17.8  
°C  
Temperature

9.60  
6.63  
8.95  
pH

826  
159  
760  
mV  
ORP

26.9  
19.8  
25.4  
psu  
Salinity

855.5  
84.1  
450.9  
ppm  
TDS

405.9  
132.0  
220.8  
Alkalinity

25.2  
0.6  
12.9  
Nitrogen



All



Douro River - Ribeira

1



Douro River - Arrábida

3



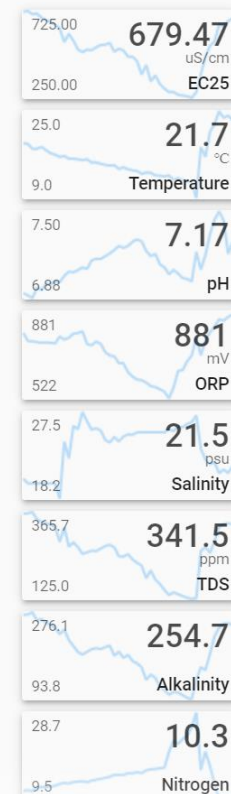
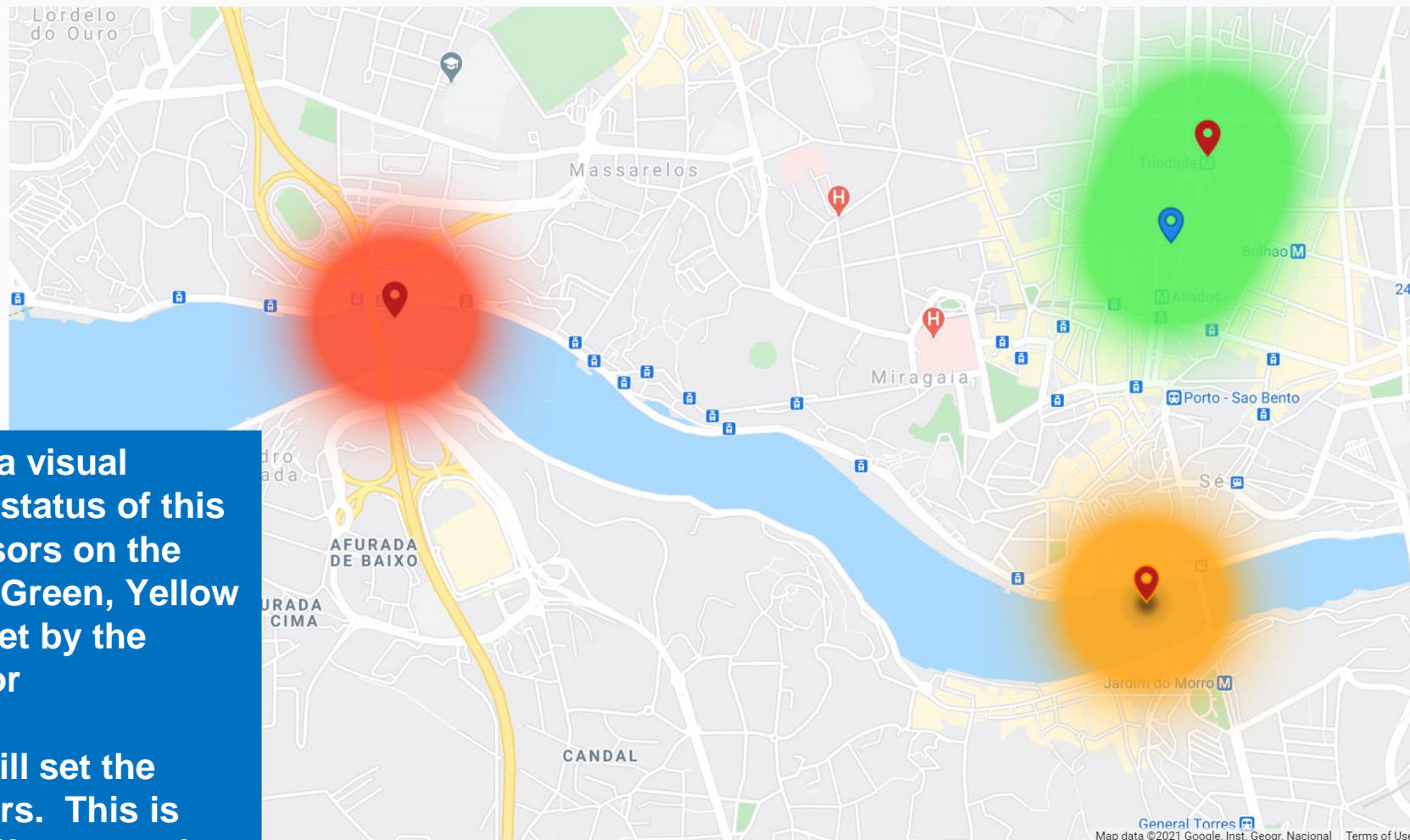
City Hall

Trindade Station

1

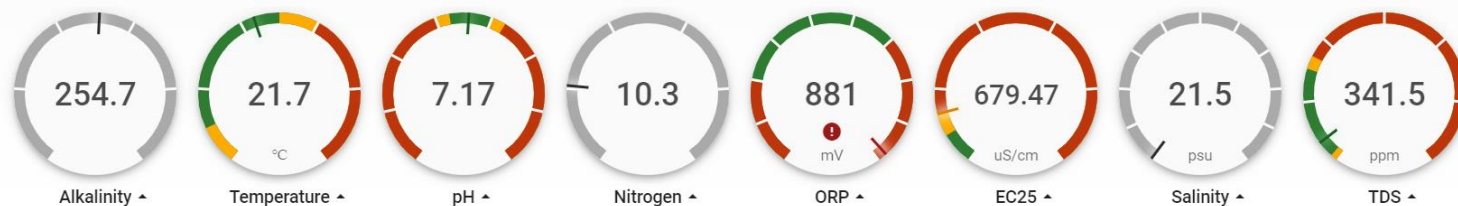


Showing heatmap for EC25 ✕



The heat map shows a visual representation of the status of this parameter for all sensors on the screen, based on the Green, Yellow and Red thresholds set by the Account Administrator

Your Administrator will set the radius for your sensors. This is fully configurable so if you require a different radius you can ask for a change



All



Douro River - Ribeira

1

Douro River - Arrábida

3

City Hall

Trindade Station

1

Douro River - Ribeira

PT01

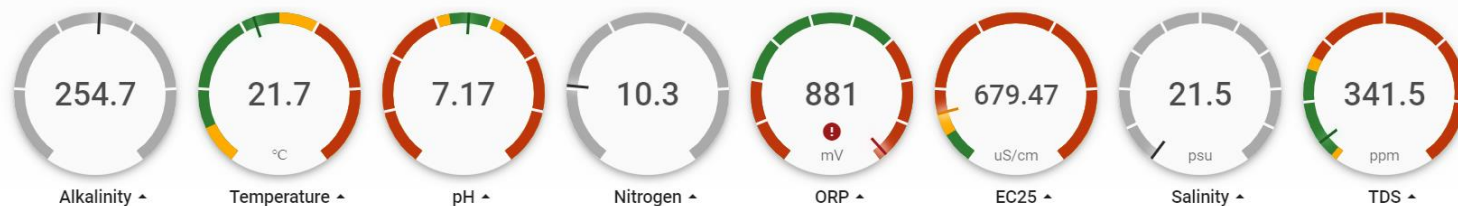
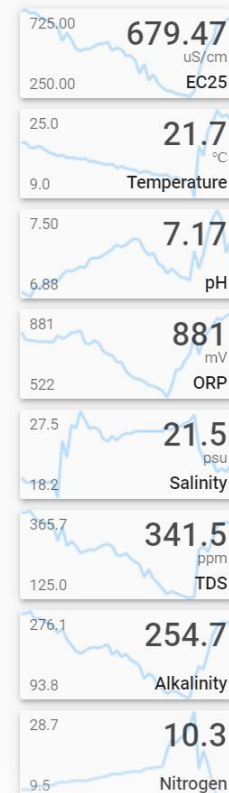
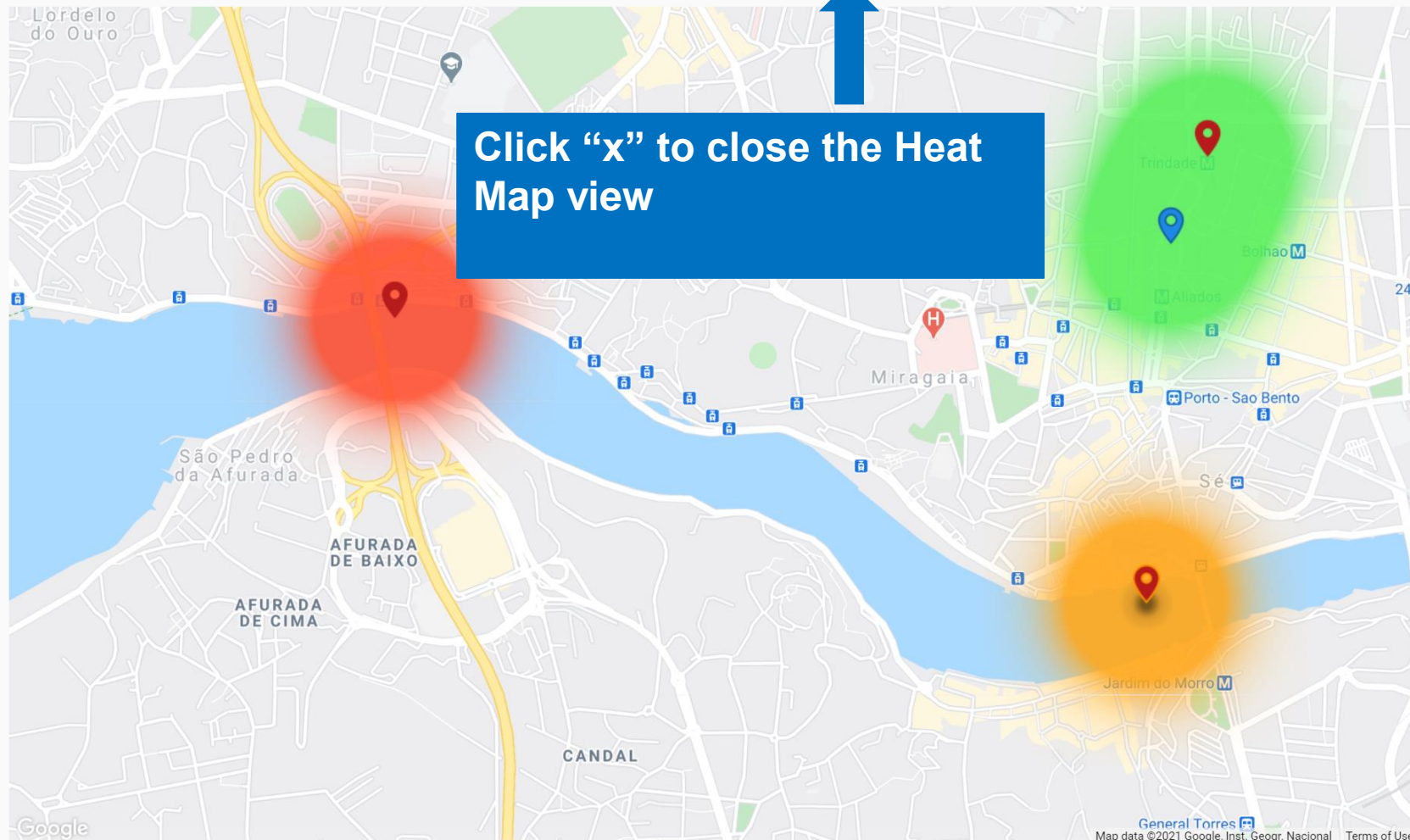
20:01 Fri, 19 Feb 2021



15.9°C

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

Showing heatmap for EC25





All

Douro River - Ribeira 1

Douro River - Arrábida 3

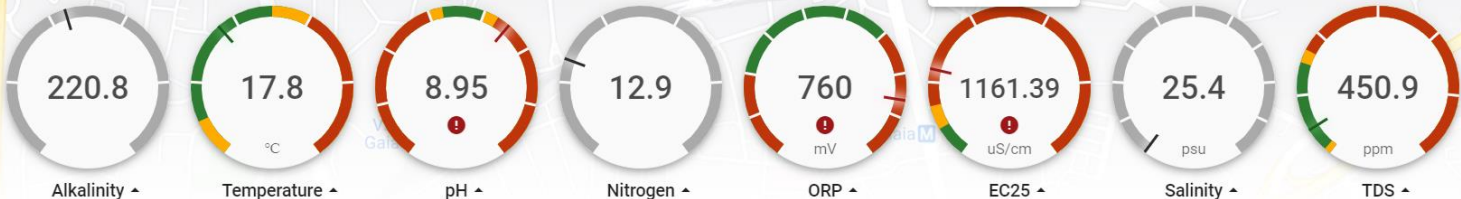
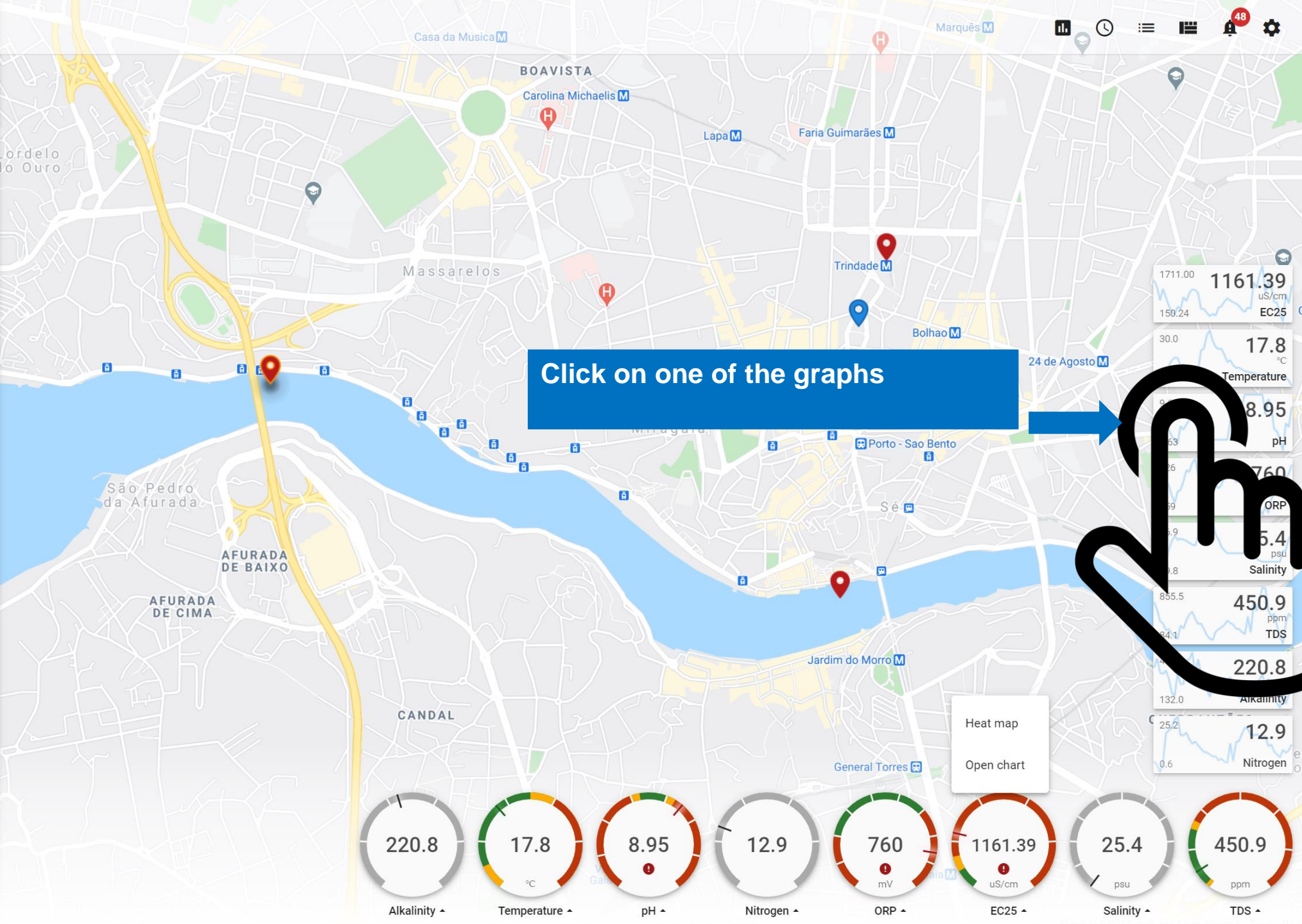
City Hall

Trindade Station 1

Douro River - Arrábida  
PT02  
20:05 Fri, 19 Feb 2021



16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

Trindade Station

PT04

10:43 Wed, 24 Feb 2021

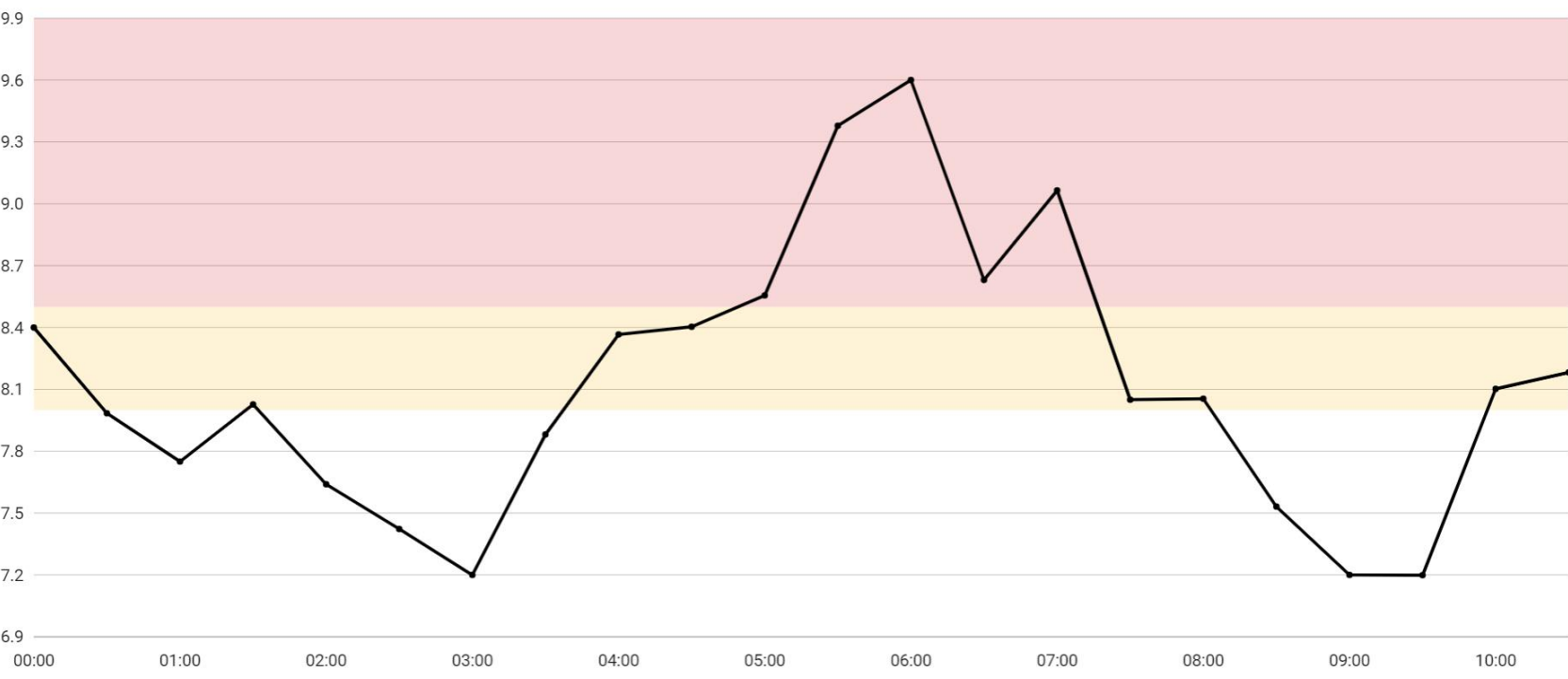


15.1°C

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

PT04 > pH

< > Wed, 24 Feb 2021 Day



Show all samples

Close

An enlarged graph appears showing the day's readings since midnight



EC25



Temperature



pH



ORP



Salinity



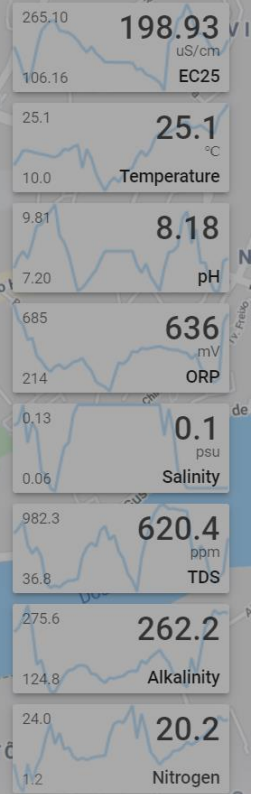
TDS



Alkalinity



Nitrogen





All

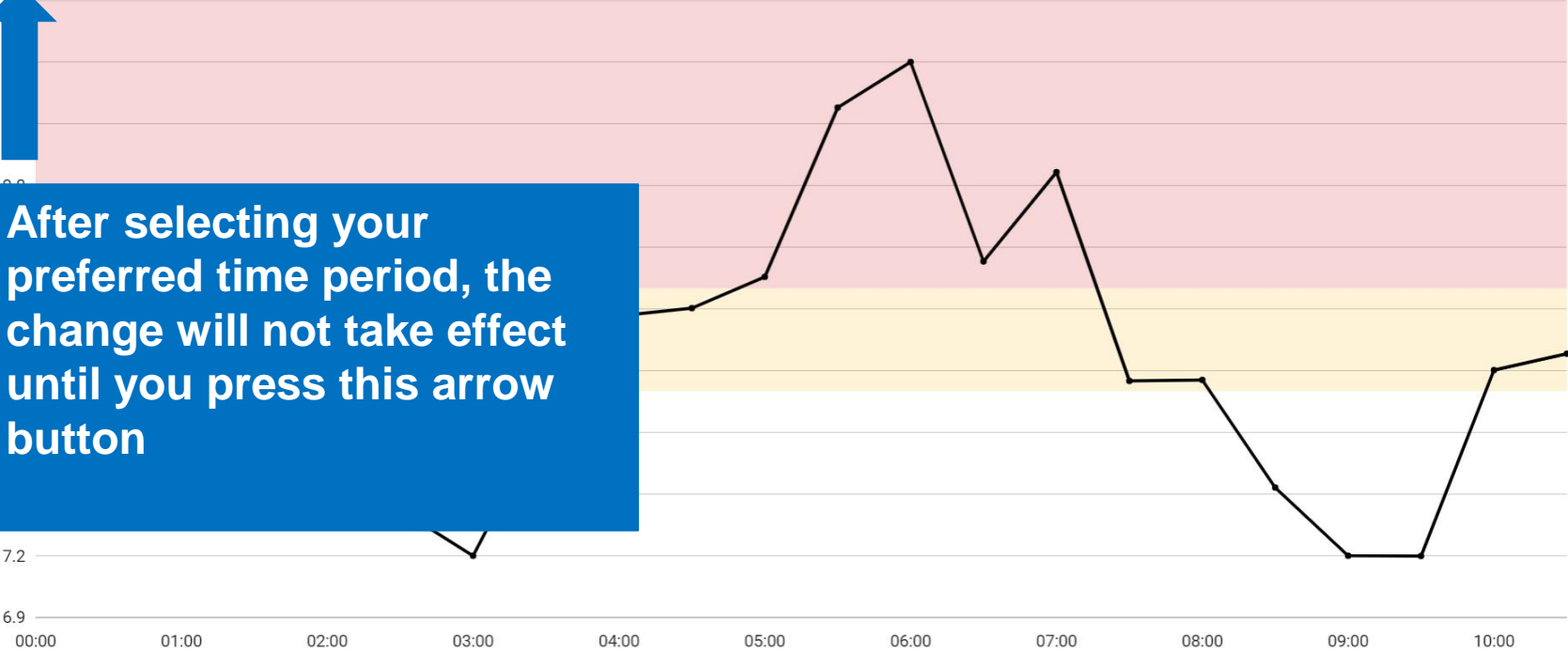
- Douro River - Ribeira
- Douro River - Arrábida
- City Hall
- Trindade Station

PT04 > pH

< > Wed, 24 Feb 2021 Day

After selecting your preferred time period, the change will not take effect until you press this arrow button

Change the time and date range here (hour, day, week or custom)



Trindade Station   
PT04  
10:43 Wed, 24 Feb 2021



15.1°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0



EC25

Temperature

pH

ORP

Salinity

TDS

Alkalinity

Nitrogen





All

Douro River - Ribeira

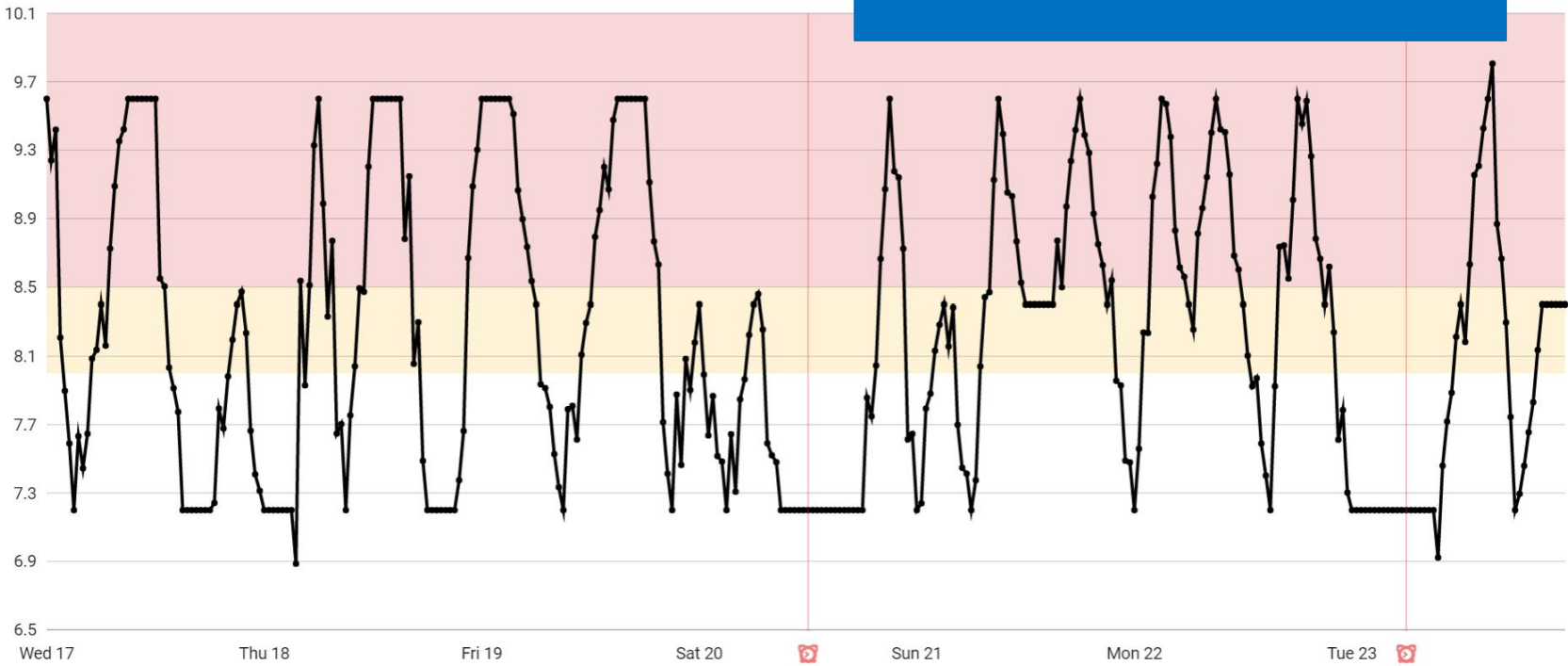
Douro River - Arrábida

City Hall

Trindade Station

PT04 > pH

< > Wed, 17 Feb 2021 Week



Show all samples

Close

Here, one week is selected

Any readings in the Yellow or Red zones are shown

Trindade Station

PT04  
10:44 Wed, 24 Feb 2021



15.1°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0



All

Douro River - Ribeira

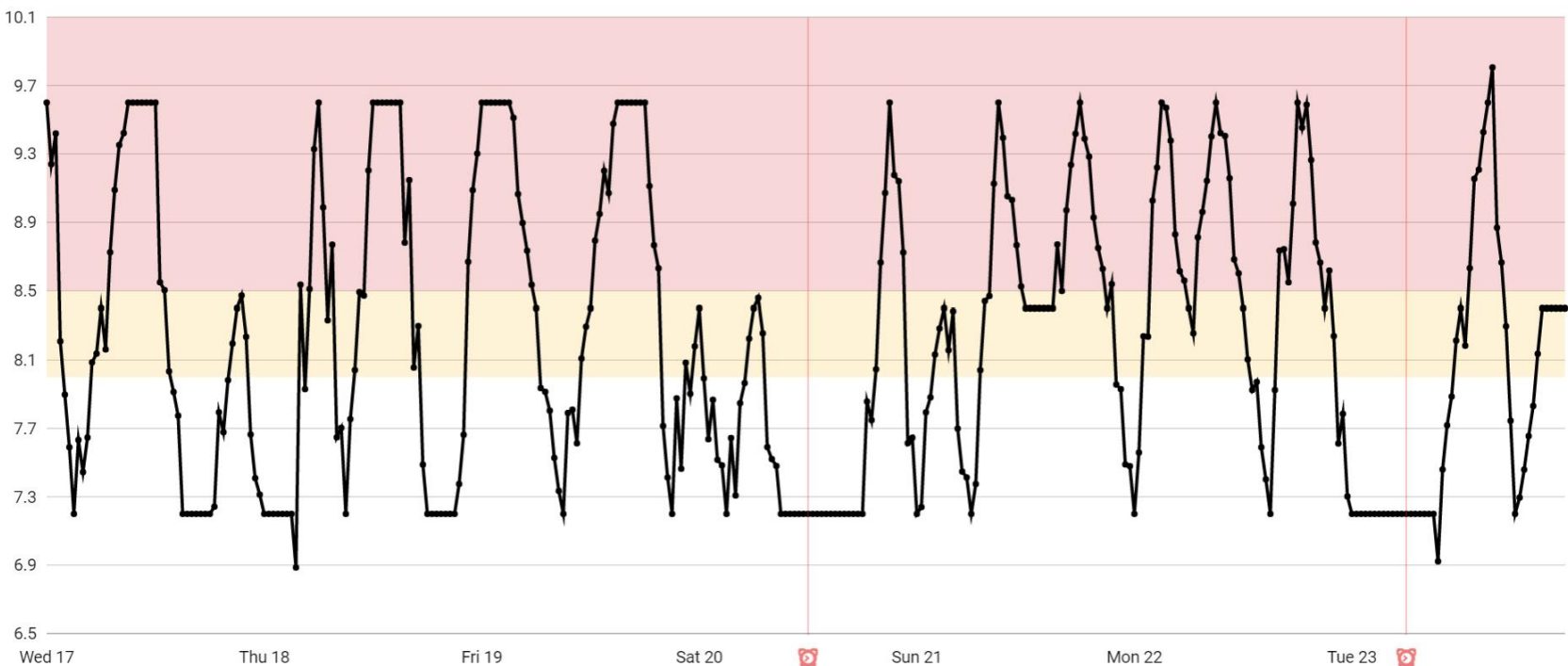
Douro River - Arrábida

City Hall

Trindade Station

PT04 > pH

< > Wed, 17 Feb 2021 Week



Show all samples

Close



Trindade Station

PT04

10:44 Wed, 24 Feb 2021



15.1°C

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0



All

Douro River - Ribeira

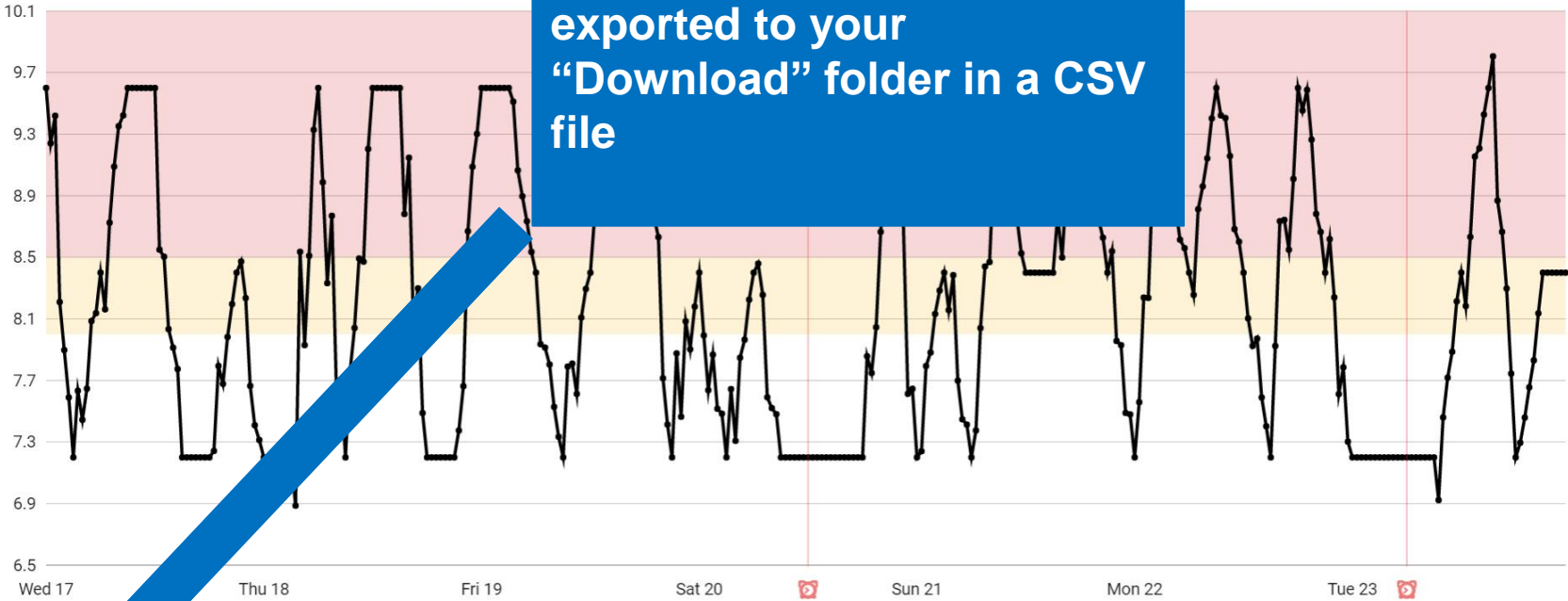
Douro River - Arrábida

City Hall

Trindade Station

PT04 > pH

< > Wed, 17 Feb 2021 Week



The data for this parameter, for the dates you have selected, is automatically exported to your “Download” folder in a CSV file

Trindade Station

PT04

10:45 Wed, 24 Feb 2021

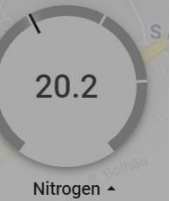


15.1°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0



samples (79).csv

Show all



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

Trindade Station

PT04

10:44 Wed, 24 Feb 2021



15.1°C

Humidity 5%

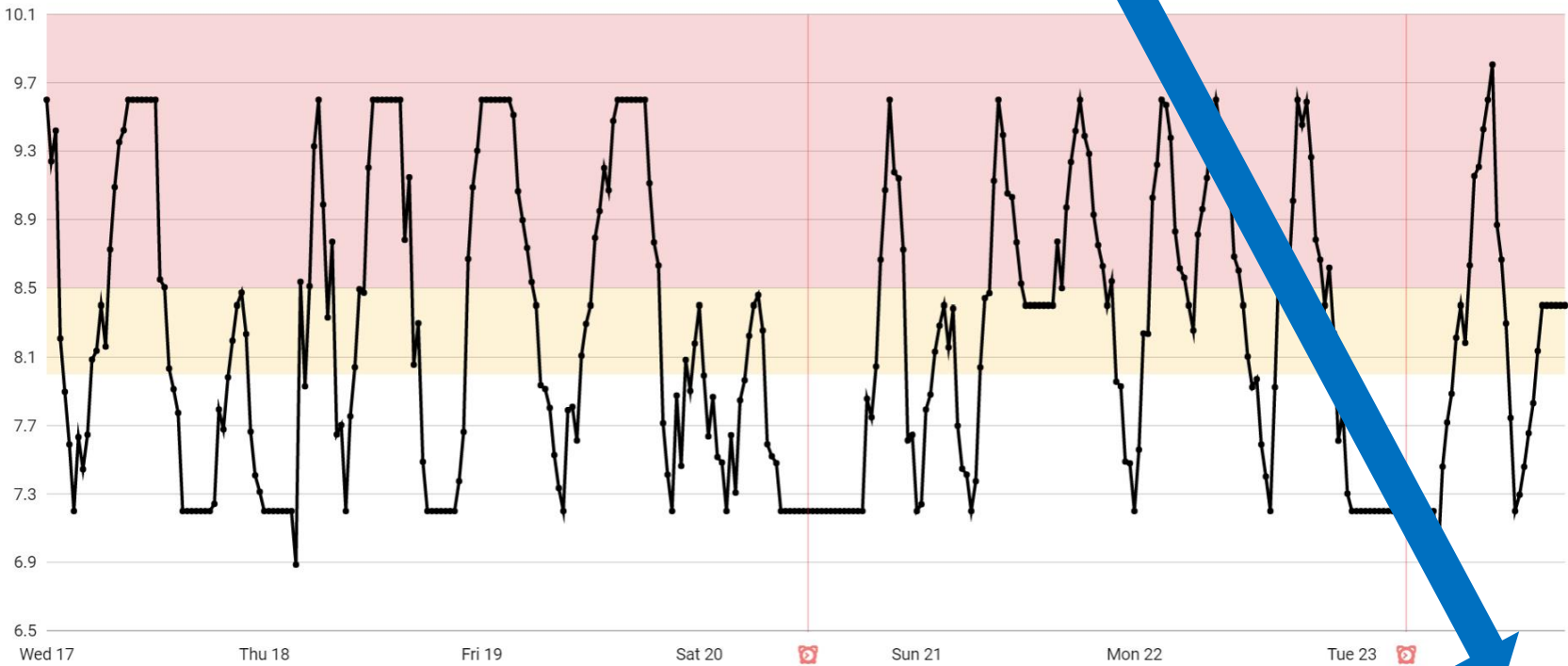
Precipitation 0.01 mm/h

UV 5.0

Click "Close"

PT04 > pH

< > Wed, 17 Feb 2021 Week



Show all samples

Close





All

Douro River - Ribeira 1

Douro River - Arrábida 3

City Hall

Trindade Station 1

Douro River - Arrábida

PT02

20:05 Fri, 19 Feb 2021

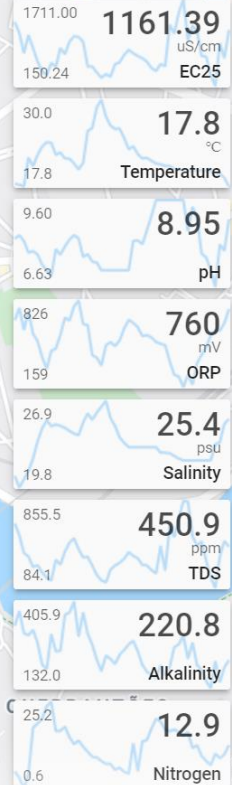
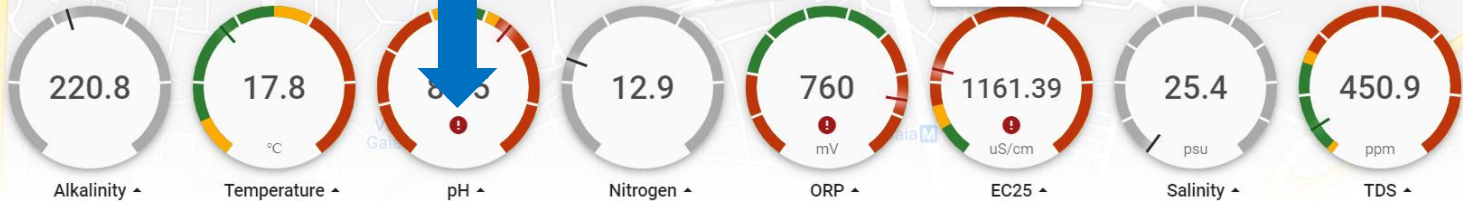


16.6°C

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

Parameter Alerts show when a reading goes into a pre-configured 'red zone'

Parameter Alerts can trigger automated messages to Users



All

Douro River - Ribeira 1

Douro River - Arrábida 3

City Hall

Trindade Station 1

Douro River - Arrábida  
PT02  
20:05 Fri, 19 Feb 2021

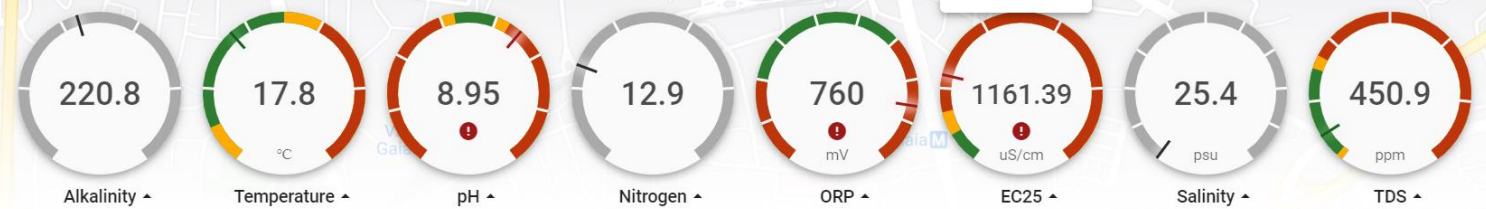
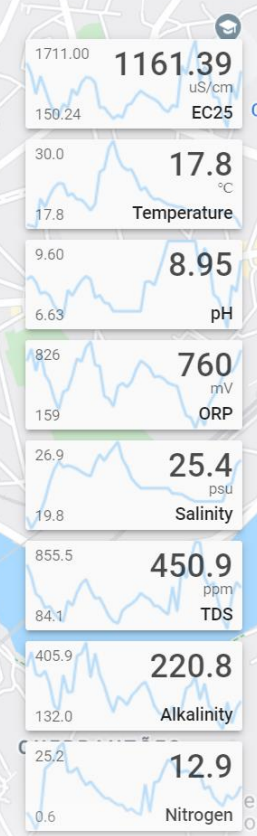
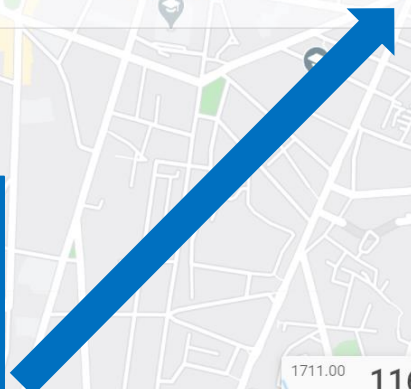


16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

Alarms and Warnings can be set for more complex sets of conditions, such as the presence of harmful bacteria

The Bell icon shows the number of Alarms and Warnings received since the User last clicked here

These Alarms and Warnings, known collectively as Events, are defined by your organisation's Administrator



Heat map  
Open chart



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station



2

3

1

A list of all Alarms and Warnings received since the User last clicked here is available in a drop down box

Alarms and Warnings can trigger automated messages to Users, based on policy set by your Administrator



Events

alarms since 9:53 PM, February 19, 2021

Douro River - Ribeira PT01

Heterotrophic\_Presence

Heterotrophic event

Select sensor

Open in EVA

Douro River - Ribeira PT01

Heterotrophic\_Presence

Heterotrophic event

Select sensor

Open in EVA

Douro River - Ribeira PT01

Heterotrophic\_Presence

Heterotrophic event

Select sensor

Open in EVA

Douro River - Ribeira PT01

Heterotrophic\_Presence

Heterotrophic event

Select sensor

Open in EVA

All

Douro River - Ribeira 1

Douro River - Arrábida 3

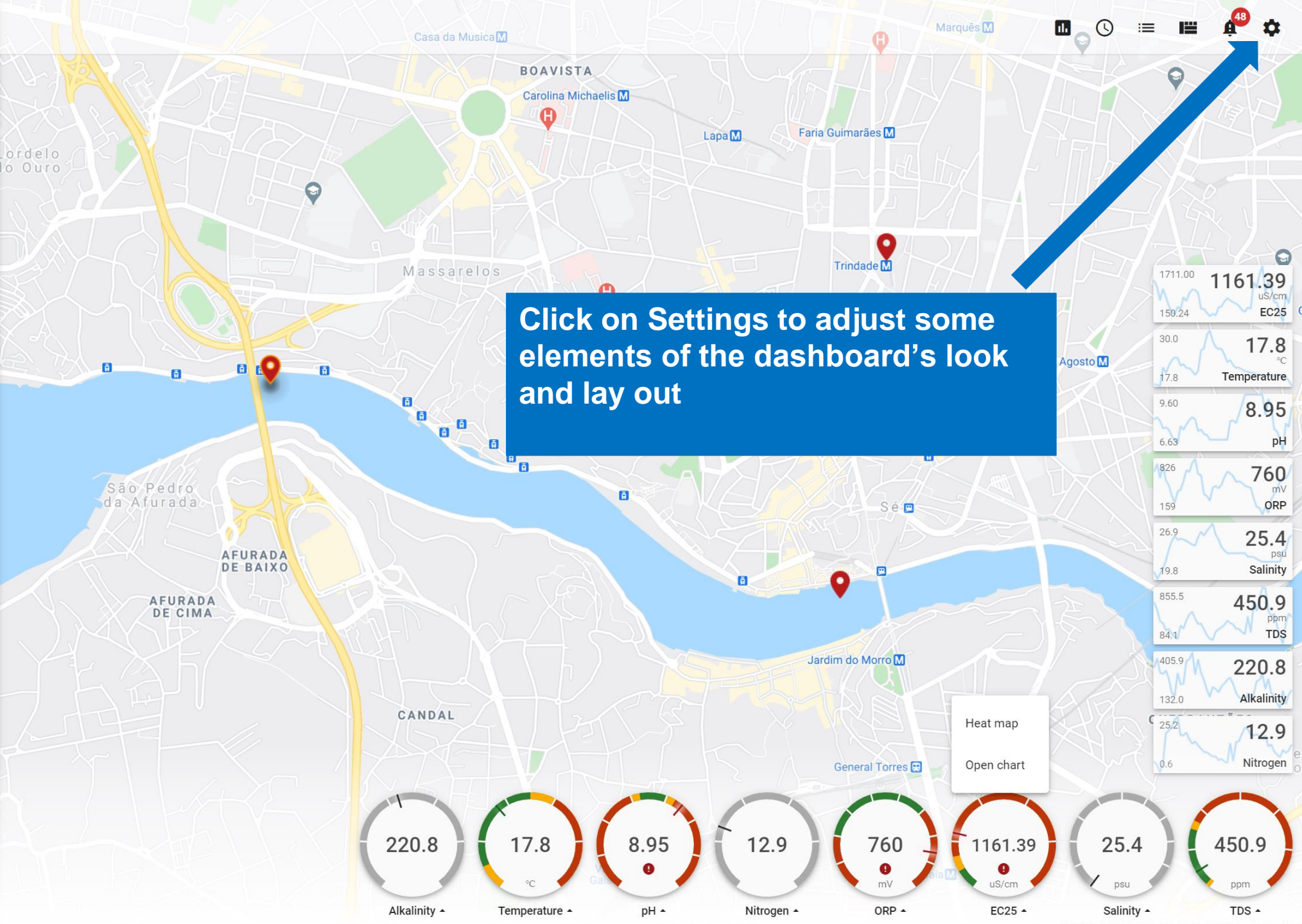
City Hall

Trindade Station 1

Douro River - Arrábida  
PT02  
20:05 Fri, 19 Feb 2021



16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0



Click on Settings to adjust some elements of the dashboard's look and lay out

1711.00  
150.24  
1161.39  
uS/cm  
EC25

30.0  
17.8  
17.8  
°C  
Temperature

9.60  
6.63  
8.95  
pH

826  
159  
760  
mV  
ORP

26.9  
19.8  
25.4  
psu  
Salinity

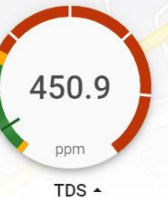
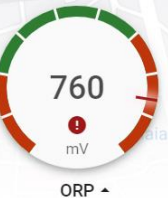
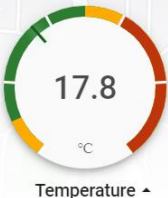
855.5  
84.1  
450.9  
ppm  
TDS

405.9  
132.0  
220.8  
Alkalinity

25.2  
0.6  
12.9  
Nitrogen

Heat map

Open chart





- All
- Douro River - Ribeira2
- Douro River - Arrábida3
- City Hall
- Trindade Station1

Douro River - Arrábida

PT02

21:57 Fri, 19 Feb 2021

16.2°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0

Settings

UnifAI 01

GeneralMapParameters

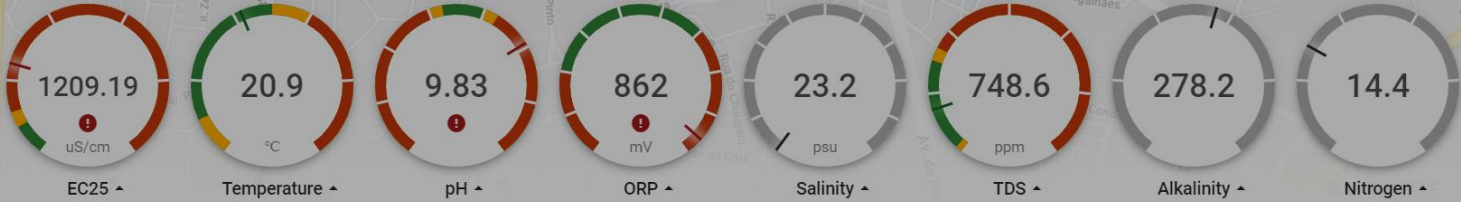
Dark theme

All animations

Temperature unit

Celsius

Close



All

Douro River - Ribeira

2

Douro River - Arrábida

3

City Hall

Trindade Station

1

Douro River - Arrábida

PT02  
21:57 Fri, 19 Feb 2021

16.2°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

Here you can adjust some  
of the visuals

Settings

UnifAI 01



General

Map

Parameters

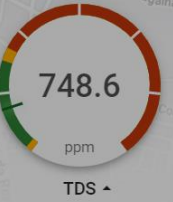
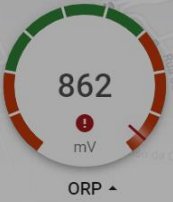
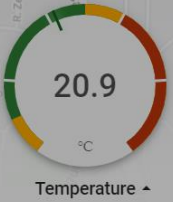
☐ Dark theme

☒ All animations

Temperature unit

Celsius

Close





- All
- Douro River - Ribeira 2
- Douro River - Arrábida 3
- City Hall
- Trindade Station 1

Douro River - Arrábida

PT02

21:57 Fri, 19 Feb 2021

☾

16.2°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0

Settings

UnifAI 01

GeneralMapParameters

Dark theme

All animations

Temperature unit

Celsius

Close

Click "Parameters"

1711.001209.19

uS/cm

EC25

303.00

20.9

°C

Temperature

9.83

pH

862

mV

ORP

159

23.2

psu

Salinity

22.0

748.6

ppm

TDS

105.6

278.2

Alkalinity

99.1

14.4

Nitrogen

4.8



- All
- Douro River - Ribeira 2
- Douro River - Arrábida 3
- City Hall
- Trindade Station 1

Douro River - Arrábida

PT02

21:58 Fri, 19 Feb 2021



16.2°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0

Settings

General

Map

Parameters

Gauges

Chart

☒ EC25

☒ Temp

☒ pH

☒ ORP

☒ Salinity

☒ TDS

☒ Alkalinity

☒ Nitrogen

☒ EC25

☒ Temp

☒ pH

☒ ORP

☒ Salinity

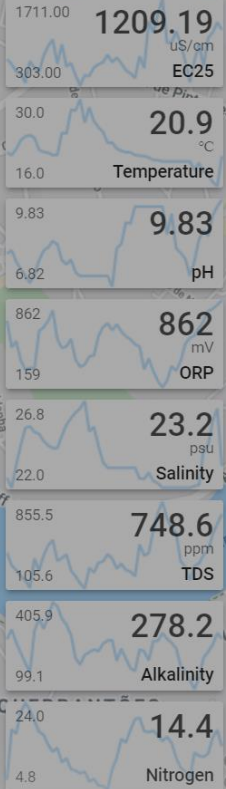
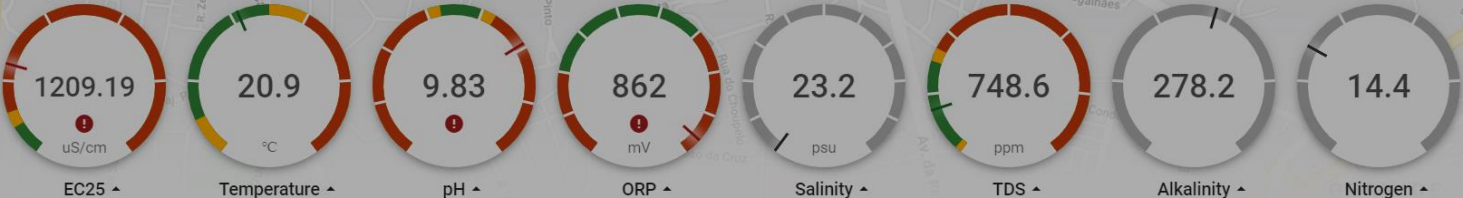
☒ TDS

☒ Alkalinity

☒ Nitrogen

Close

Select which parameters you wish to show in the dashboard





All

Douro River - Ribeira 2

Douro River - Arrábida 3

City Hall

Trindade Station 1

Douro River - Arrábida  
PT02  
21:58 Fri, 19 Feb 2021



16.2°C

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

### Settings

General

Map

Parameters

#### Gauges

- ☒ EC25
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

#### Charts

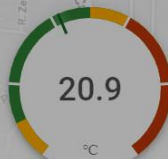
- ☒ EC25
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

Close

Drag parameters up and down  
to change the order in which  
they show on the dashboard



EC25



Temperature



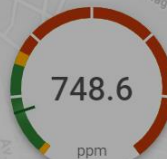
pH



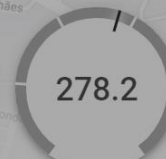
ORP



Salinity



TDS



Alkalinity



Nitrogen



- All
- Douro River - Ribeira2
- Douro River - Arrábida3
- City Hall
- Trindade Station1

Douro River - Arrábida

PT02

21:58 Fri, 19 Feb 2021



16.2°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0

Click here to access account details

Settings

UnifAI 01

GeneralMapParameters

Gauges

☒ EC25

☒ Temp

☒ pH

☒ ORP

☒ Salinity

☒ TDS

☒ Alkalinity

☒ Nitrogen

Charts

☒ EC25

☒ Temp

☒ pH

☒ ORP

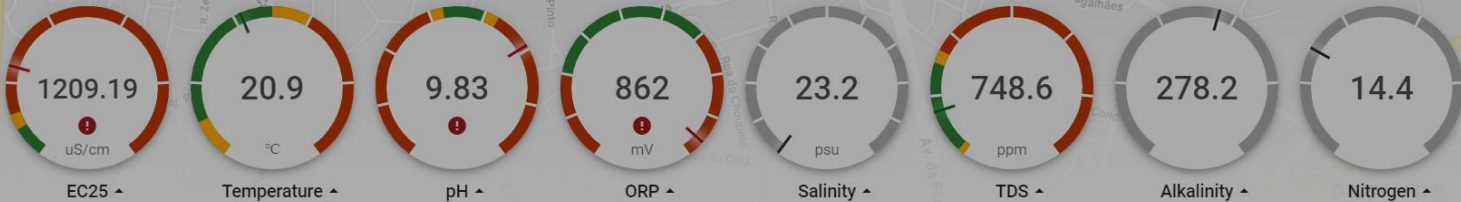
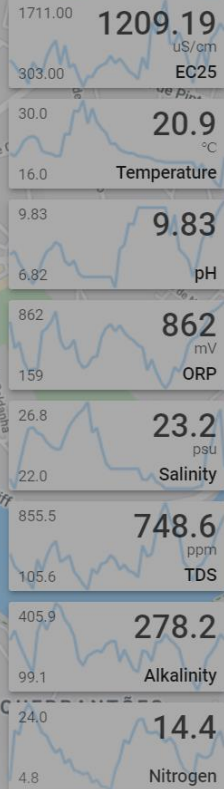
☒ Salinity

☒ TDS

☒ Alkalinity

☒ Nitrogen

Close





All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

1

2

1

## Settings

General

Map

Test2 User



User account

Profile

Change password

Change email

Confirm email change

## Gauges

- ☒ Alkalinity
- ☒ Temp
- ☒ pH
- ☒ Nitrogen
- ☒ ORP
- ☒ EC25
- ☒ Salinity
- ☒ TDS

## Charts

- ☒ EC
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity

**Clicking “User account” allows you to edit your profile (including Username), change your password and change your email**

All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

1

2

1

Click here to access account details

**Settings**

General Map

Gauges

- ☒ Alkalinity
- ☒ Temp
- ☒ pH
- ☒ Nitrogen
- ☒ ORP
- ☒ EC25
- ☒ Salinity
- ☒ TDS

Charts

- ☒ EC
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

Test2 User

User account

- Setup...
- Import data...
- Open another account
- Sign out

Close

If you have Administrator access, this is where you access the Administrator pages

Some limited Administrator functionality is available in the Demo account, however most is disabled.

This section is covered separately in our Administrator Guide



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

1

2

1

## Settings

General

Map

### Gauges

- ☒ Alkalinity
- ☒ Temp
- ☒ pH
- ☒ Nitrogen
- ☒ ORP
- ☒ EC25
- ☒ Salinity
- ☒ TDS

### Chart

- ☒ EC
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

Close

Test2 User



User account

Setup...

Import data...

Open another account

Sign out

Administrators can also access the Import Data Feature

This is covered separately in our Administrator Guide

All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

1

2

1

## Settings

General

Map

### Gauges

- ☒ Alkalinity
- ☒ Temp
- ☒ pH
- ☒ Nitrogen
- ☒ ORP
- ☒ EC25
- ☒ Salinity
- ☒ TDS

### Chart

- ☒ EC
- ☒ Te
- ☒ pH
- ☒ OF
- ☒ Sa
- ☒ TDS
- ☒ Alkal
- ☒ Nitro

Test2 User



User account

Setup...

Import data...

Open another account

Sign out

You can change which Account you are signed into, or sign out from this Account



- All
- Douro River - Ribeira 2
- Douro River - Arrábida 3
- City Hall
- Trindade Station 1

Douro River - Arrábida

PT02

21:58 Fri, 19 Feb 2021



16.2°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0

Settings

General

Map

Parameters

Gauges

- ☒ EC25
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

Charts

- ☒ EC25
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

Close

You can also sign out and  
your session at any time with  
this button



UnifAI 01



EC25



Temperature



pH



ORP



Salinity



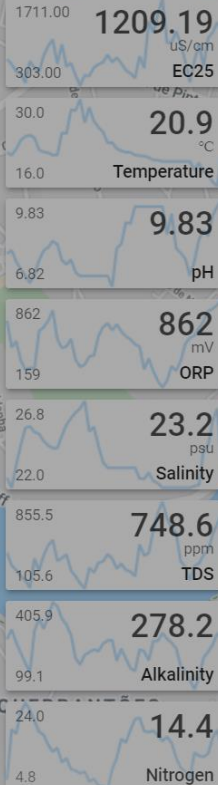
TDS



Alkalinity



Nitrogen



All

Douro River - Ribeira

Douro River - Arrábida

City Hall

Trindade Station

Douro River - Arrábida

PT02

21:58 Fri, 19 Feb 2021



16.2°C

Humidity 5%

Precipitation 0.01 mm/h

UV 5.0

### Settings

UnifAI 01



General

Map

Parameters

#### Gauges

- ☒ EC25
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

#### Charts

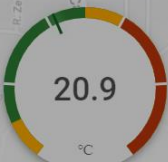
- ☒ EC25
- ☒ Temp
- ☒ pH
- ☒ ORP
- ☒ Salinity
- ☒ TDS
- ☒ Alkalinity
- ☒ Nitrogen

Close

Click "close"



EC25



Temperature



pH



ORP



Salinity



TDS



Alkalinity



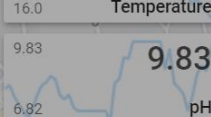
Nitrogen



EC25



Temperature



pH



ORP



Salinity



TDS



Alkalinity



Nitrogen



All

Douro River - Ribeira 1

Douro River - Arrábida 3

City Hall

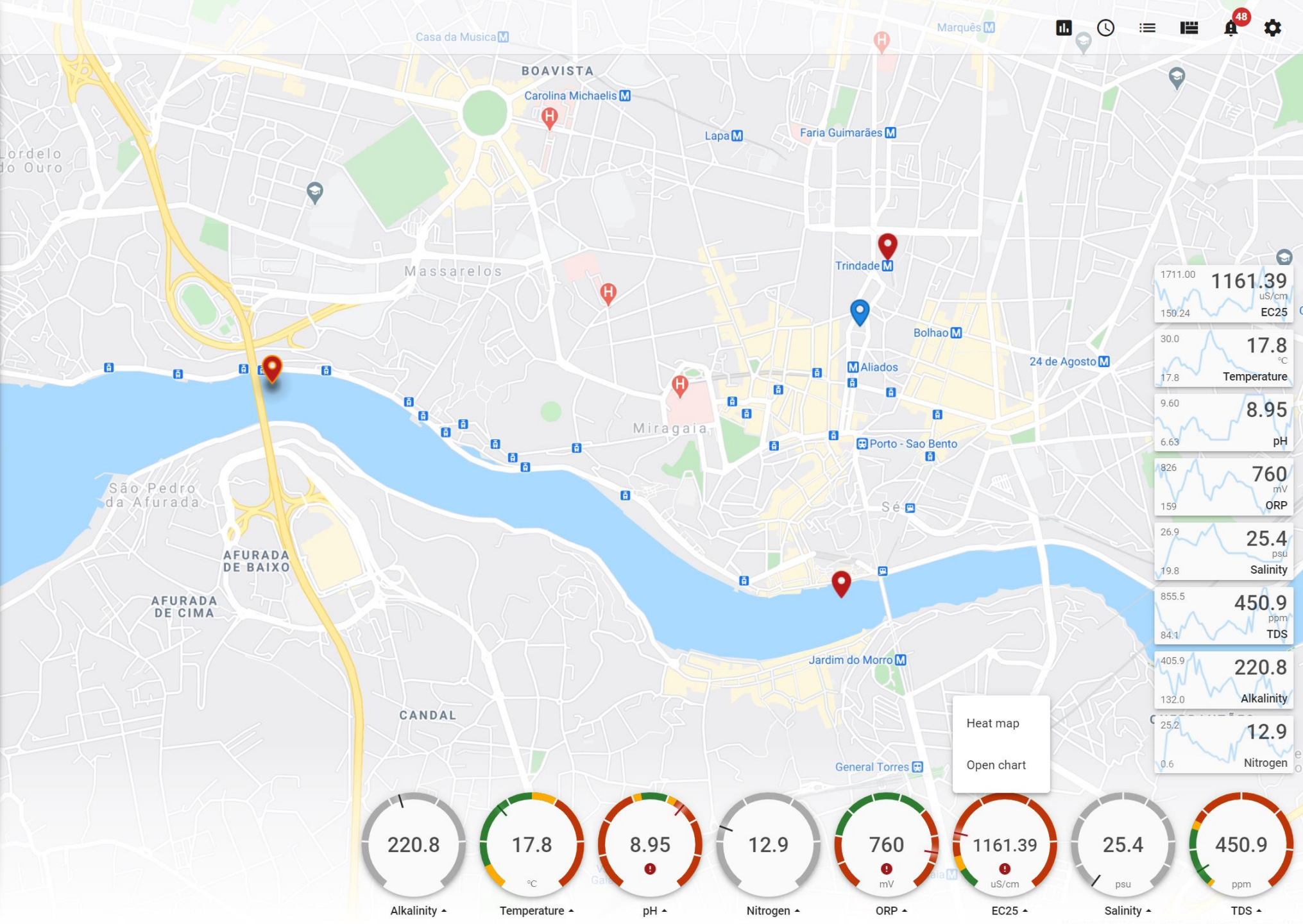
Trindade Station 1

Douro River - Arrábida

PT02  
20:05 Fri, 19 Feb 2021

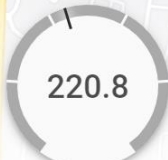


16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0



Heat map

Open chart



Alkalinity



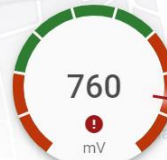
Temperature



pH



Nitrogen



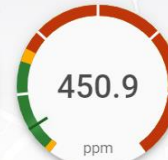
ORP



EC25



Salinity



TDS



All

Douro River - Ribeira 1

Douro River - Arrábida 3

City Hall

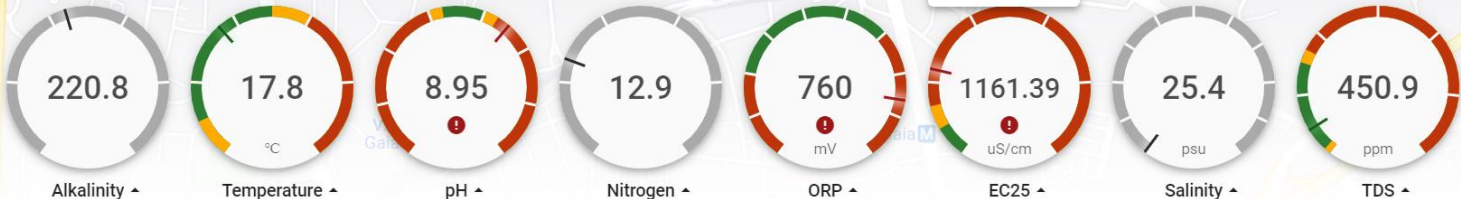
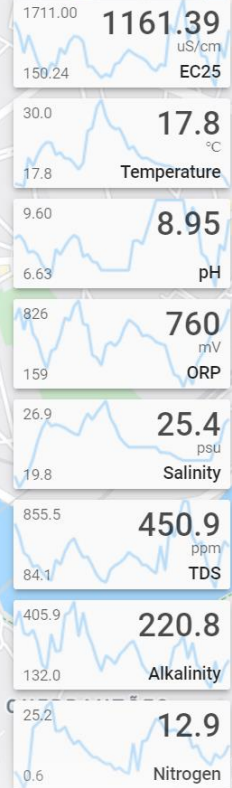
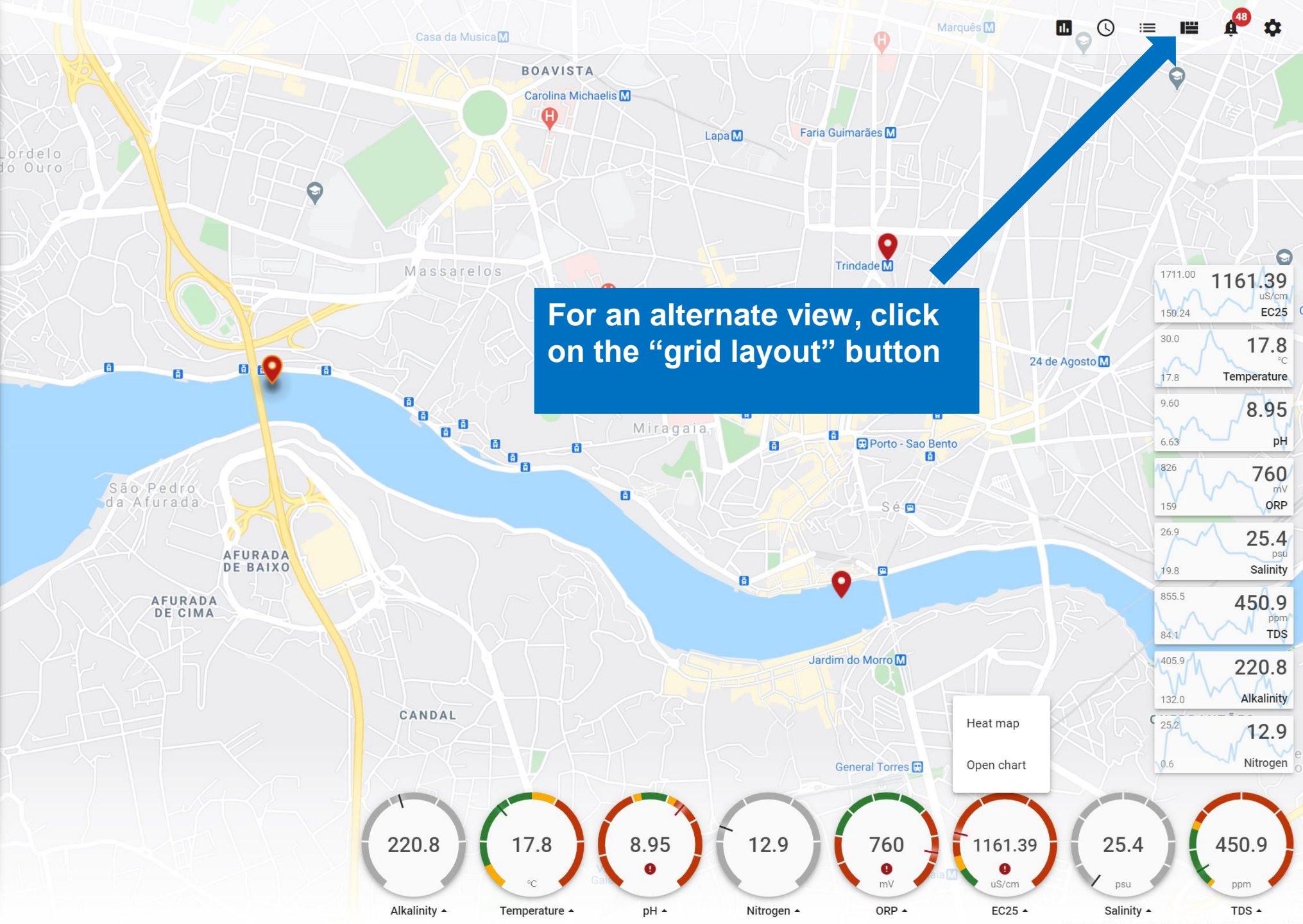
Trindade Station 1

Douro River - Arrábida

PT02  
20:05 Fri, 19 Feb 2021



16.6°C  
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0







All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

22:35 Sun, 14 Feb 2021

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

16.1°C



Alkalinity ^



Temperature ^



pH ^



Nitrogen ^



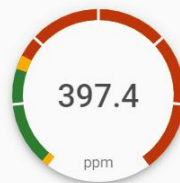
ORP ^



EC25 ^



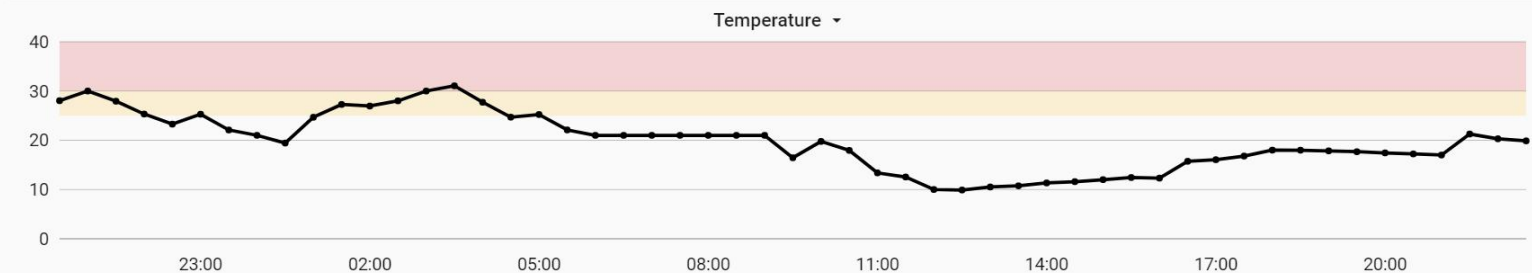
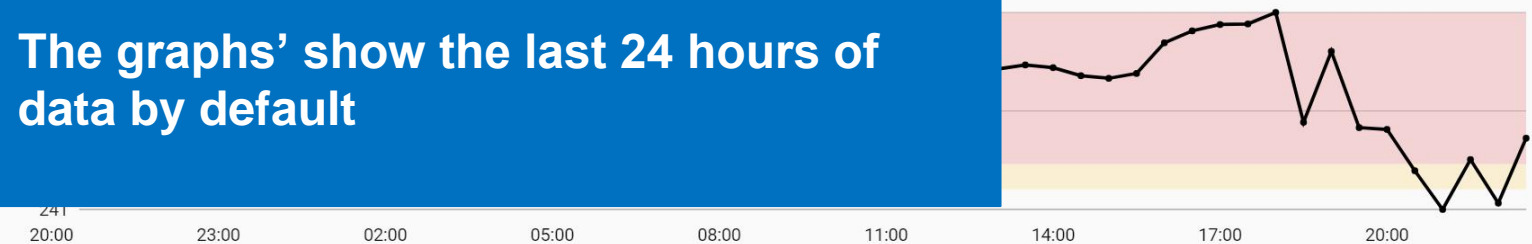
Salinity ^



TDS ^

This is an alternate view for the data

The graphs' show the last 24 hours of data by default





All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

22:35 Sun, 14 Feb 2021

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

16.1°C



Alkalinity



Temperature



pH



Nitrogen



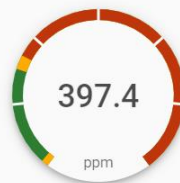
ORP



EC25

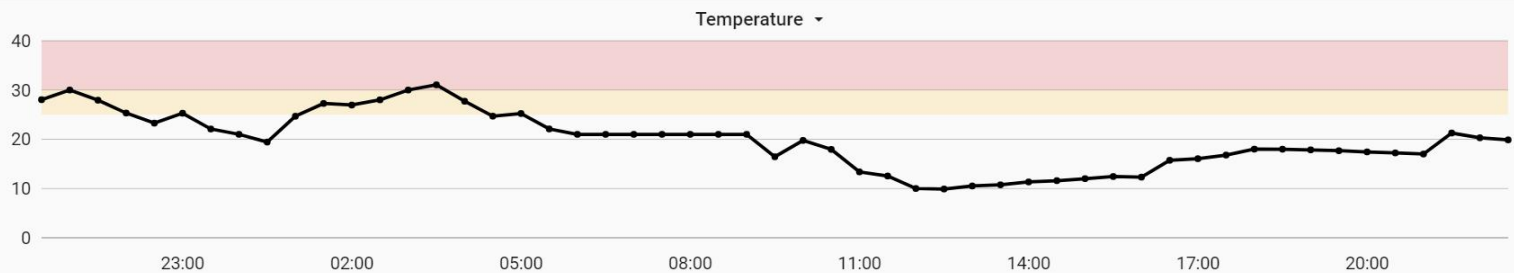
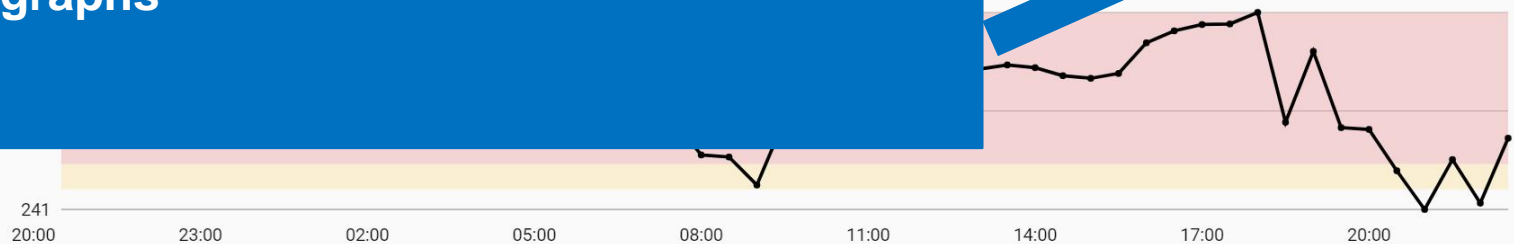


Salinity



TDS

Scroll down to see more parameters, and graphs







All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

22:52 Sun, 14 Feb 2021

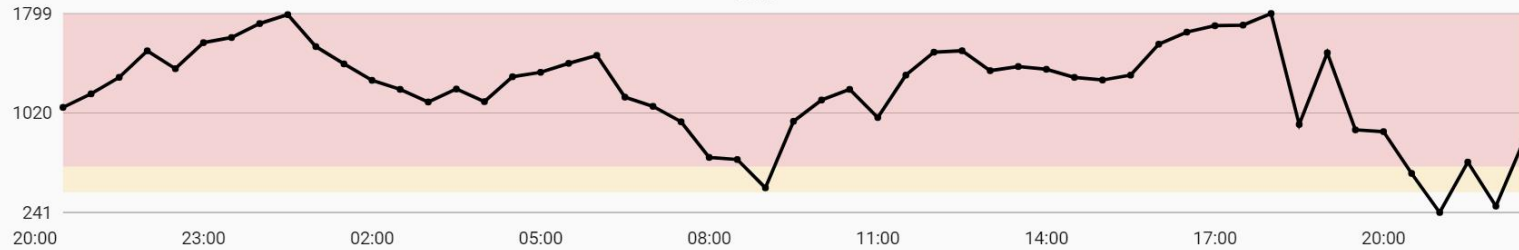
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

16.1°C

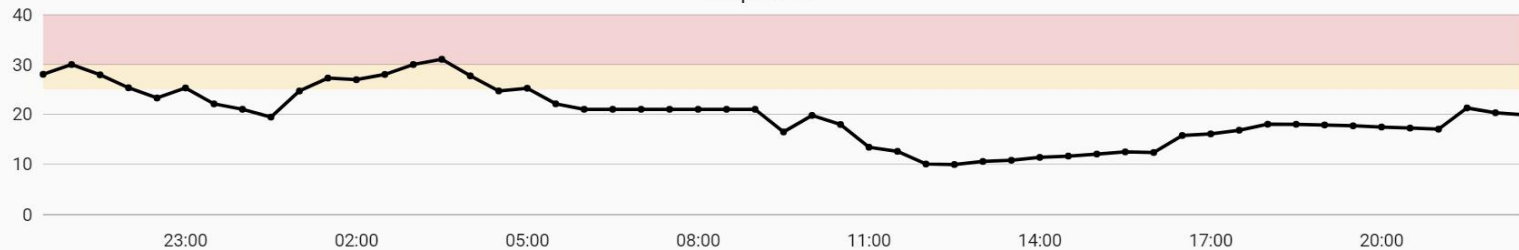
< >

Since Sat 13 at 20:30

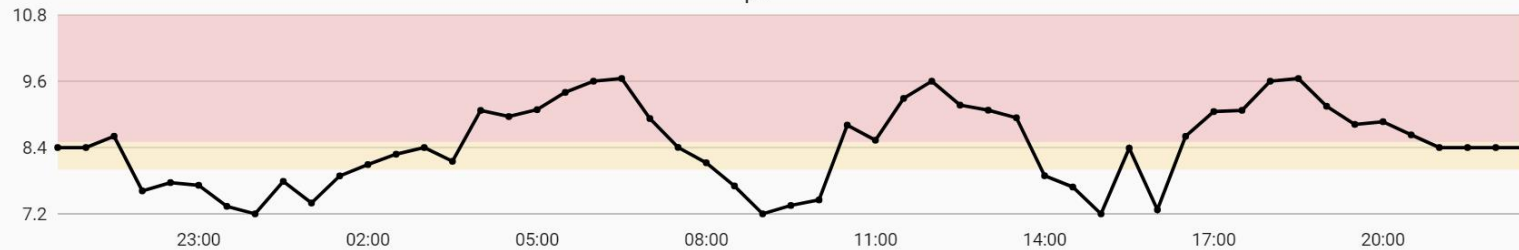
Day



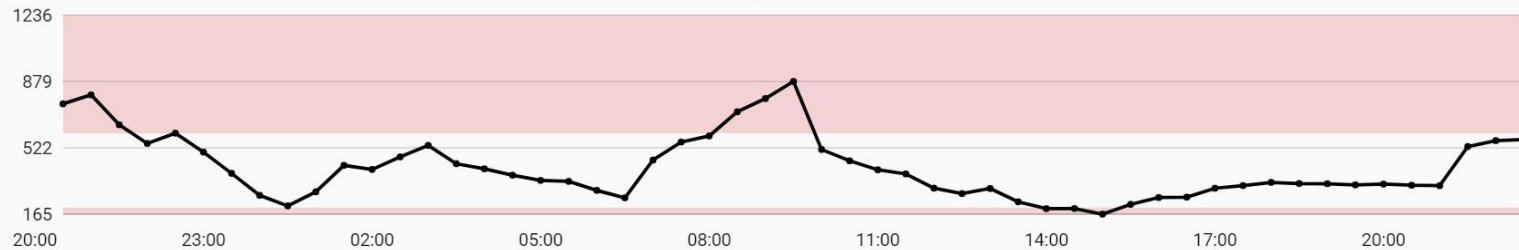
Temperature



pH



ORP



Salinity



All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

22:52 Sun, 14 Feb 2021

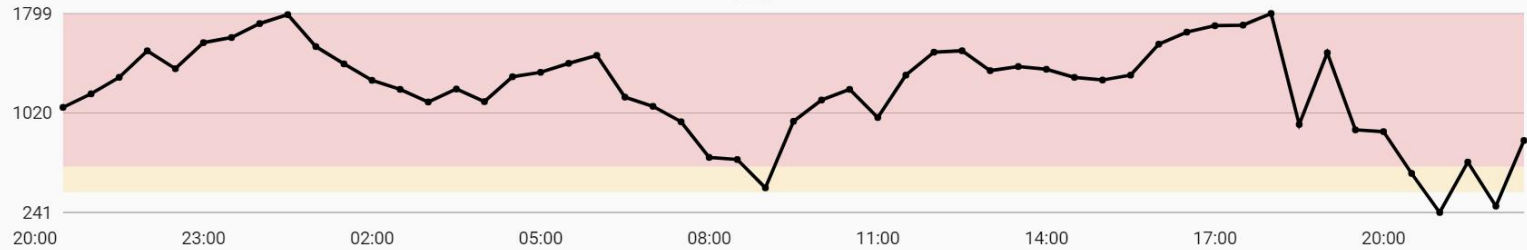
Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

16.1°C

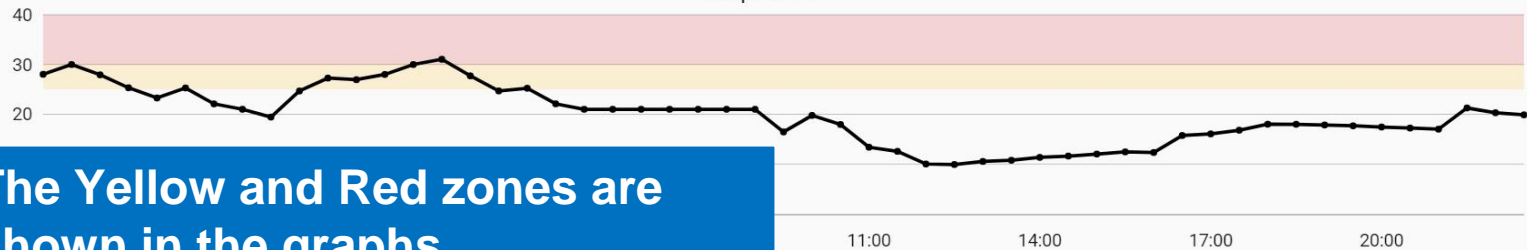
< >

Since Sat 13 at 20:30

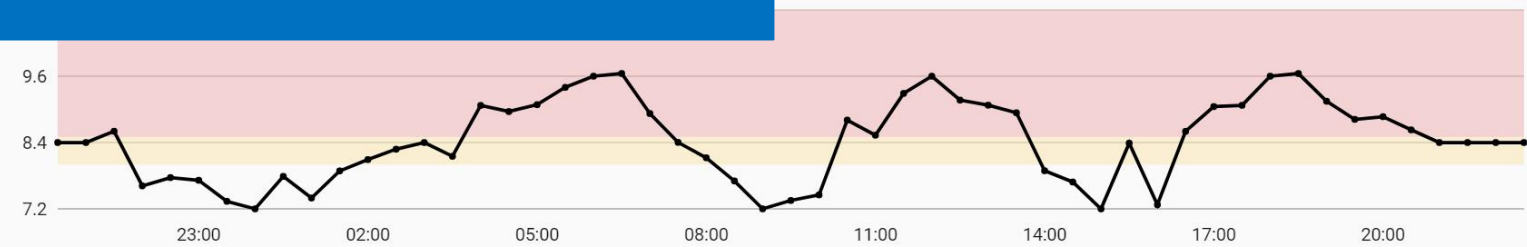
Day



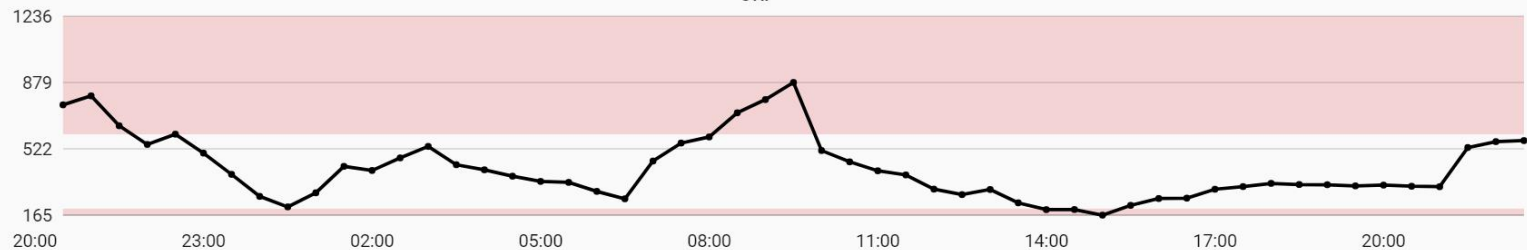
Temperature



The Yellow and Red zones are shown in the graphs

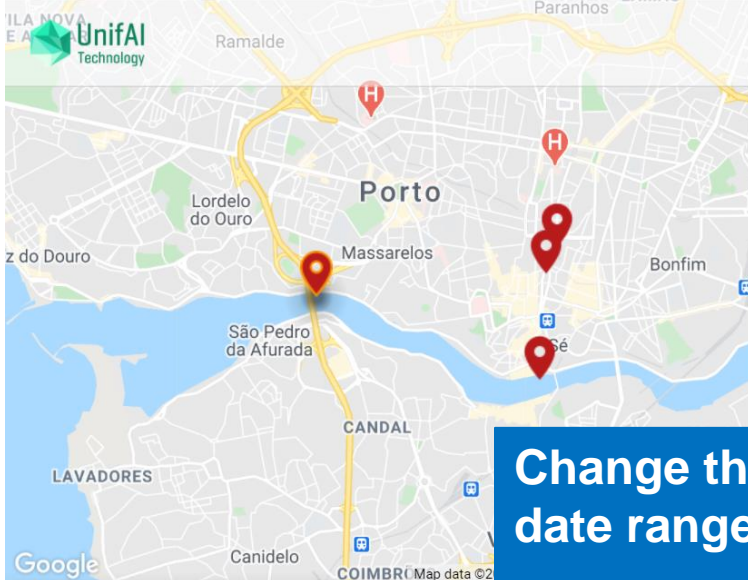


ORP



Salinity





All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

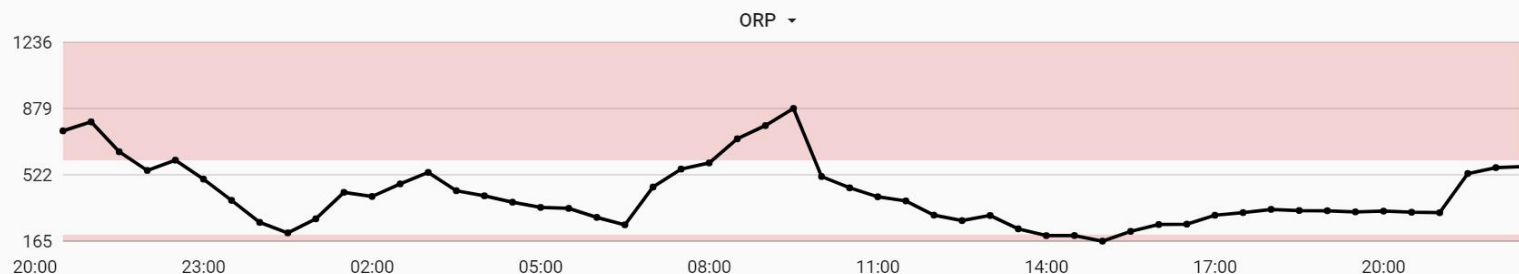
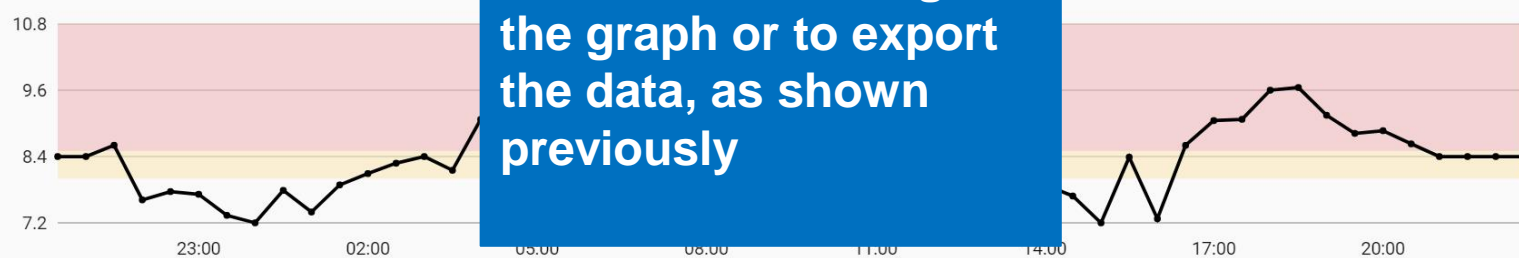
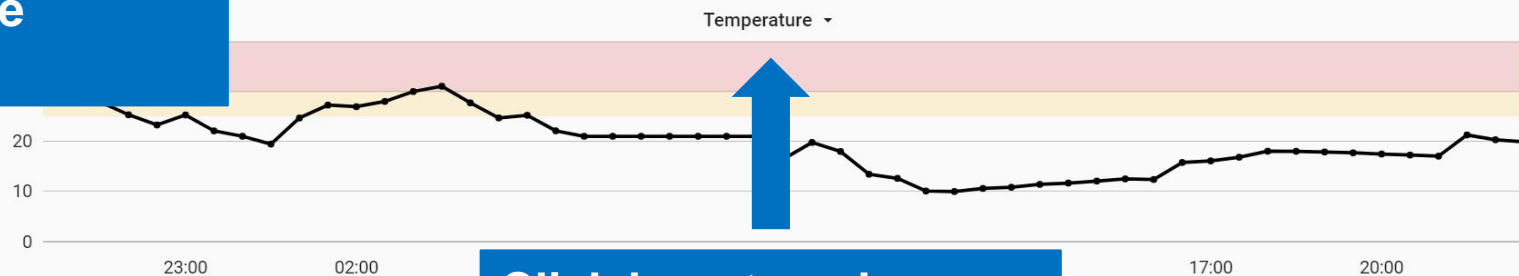
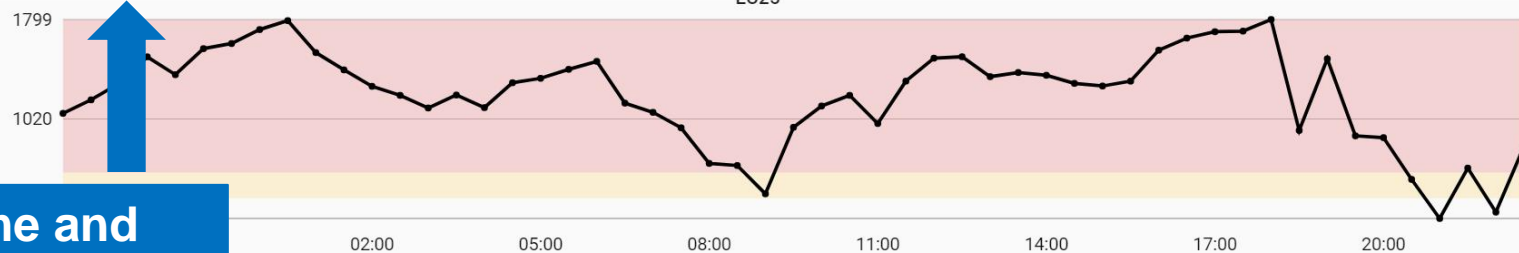
22:52 Sun, 14 Feb 2021

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0  
16.1°C

< >

Since Sat 13 at 20:30

Day



Salinity



All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

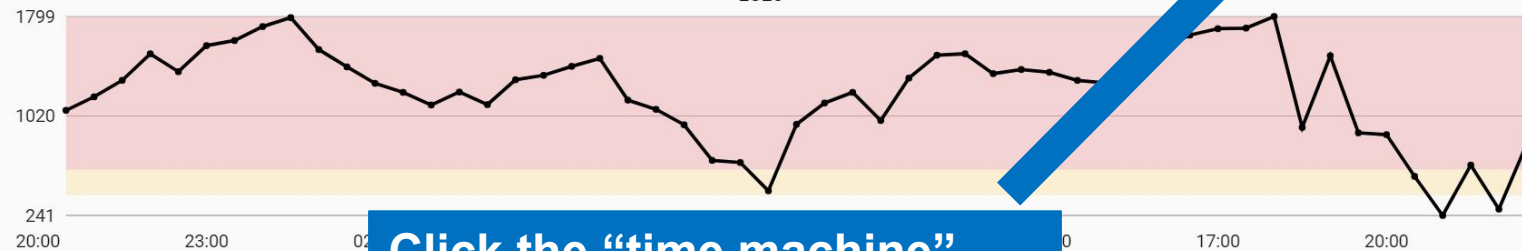
22:52 Sun, 14 Feb 2021

Precipitation 0.01 mm/h  
Humidity 5%  
UV 5.0  
16.1°C

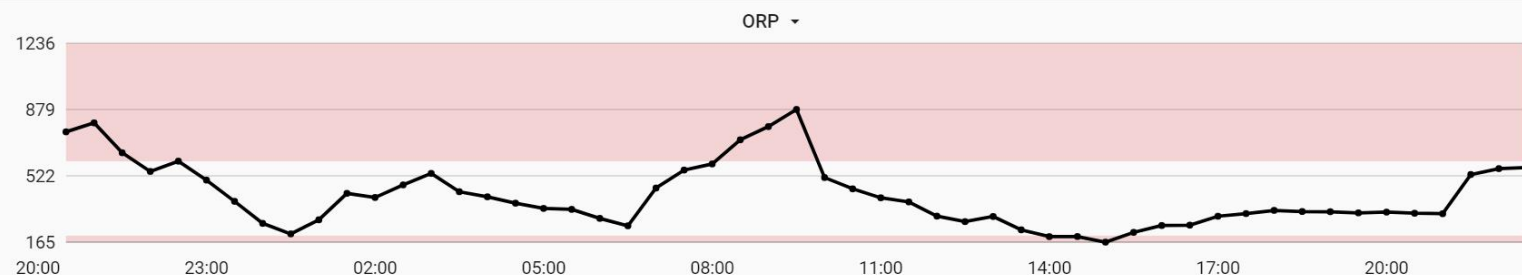
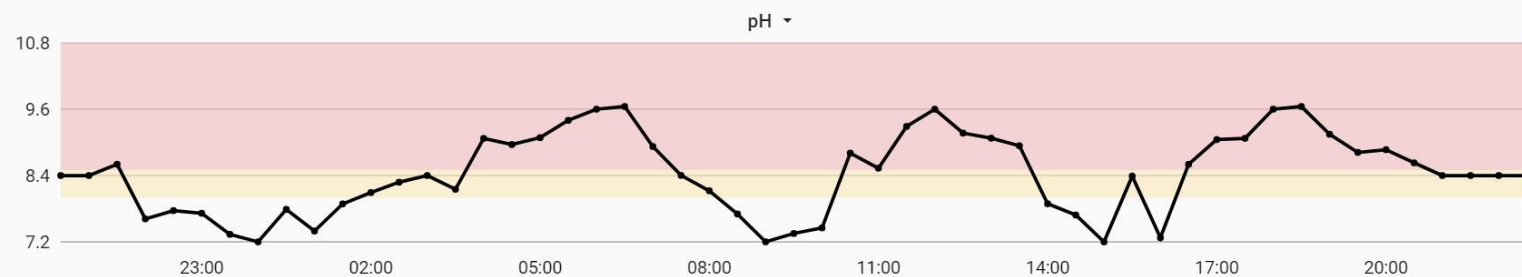
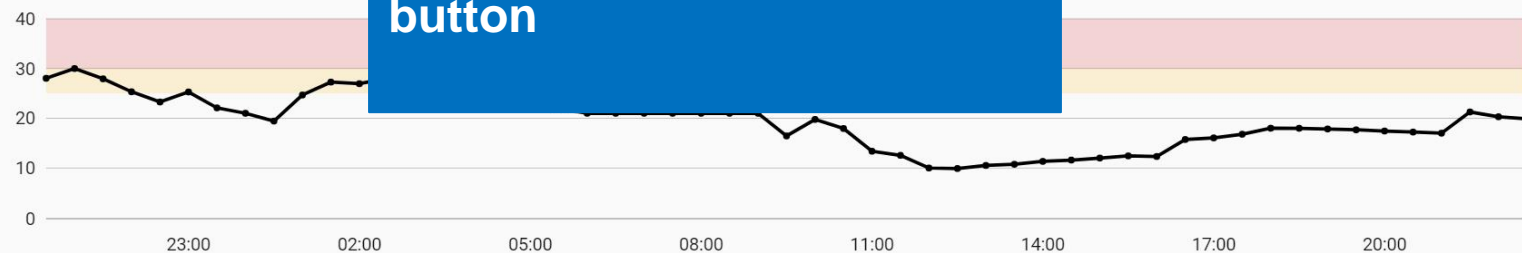
< >

Since Sat 13 at 20:30

Day

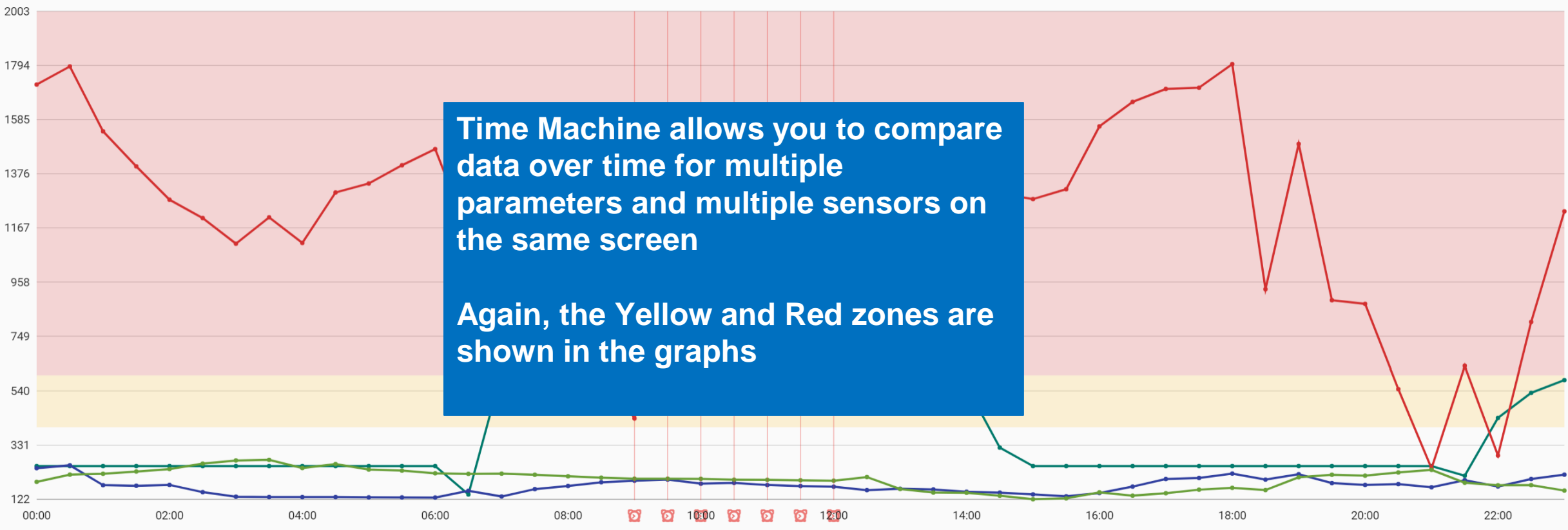


Click the “time machine”  
button



Salinity





Parameters

☒ EC25  
☐ Temperature  
☐ pH  
☐ ORP  
☐ Salinity  
☐ TDS  
☐ Alkalinity  
☐ Nitrogen

Groups & nodes

☒ River  
☒ PT01 (Douro River - Ribeira)  
☒ PT02 (Douro River - Arrábida)  
☒ Buildings  
☒ PT03 (City Hall)  
☒ PT04 (Trindade Station)  
☒ Downtown  
☒ PT01 (Douro River - Ribeira)  
☒ PT03 (City Hall)  
☒ PT04 (Trindade Station)

Samples

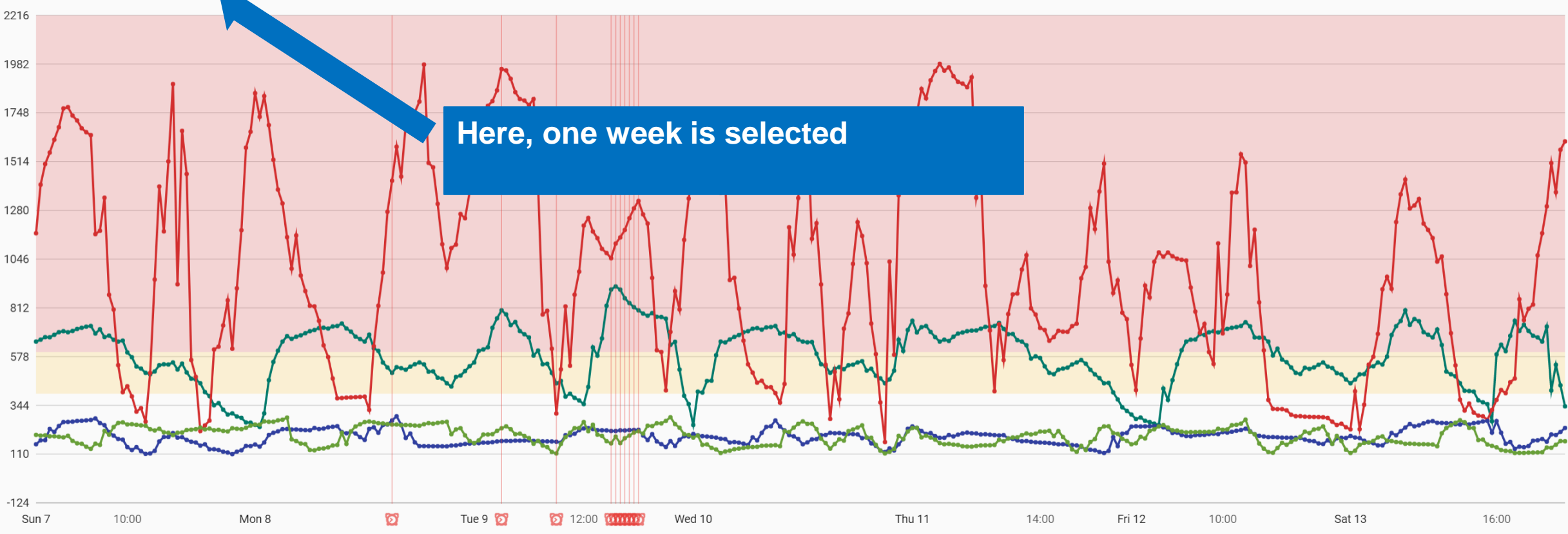
PT01 - 23:00:00 (13 min ago)  
PT02 - 23:00:00 (13 min ago)  
PT03 - 23:00:00 (13 min ago)  
PT04 - 23:00:00 (13 min ago)  
PT01 - 22:30:00 (43 min ago)  
PT02 - 22:30:00 (43 min ago)  
PT03 - 22:30:00 (43 min ago)  
PT04 - 22:30:00 (43 min ago)  
PT01 - 22:00:00 (1h ago)  
PT02 - 22:00:00 (1h ago)  
PT03 - 22:00:00 (1h ago)  
PT04 - 22:00:00 (1h ago)

Events

☒ All samples  
☐ All events  
☐ Heterotrophic\_Presence  
☐ Without events







Parameters

☒ EC25  
☐ Temperature  
☐ pH  
☐ ORP  
☐ Salinity  
☐ TDS  
☐ Alkalinity  
☐ Nitrogen

Groups & nodes

☒ River

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT02 (Douro River - Arrábida)

☒ Buildings

- ☒ PT03 (City Hall)
- ☒ PT04 (Trindade Station)

☒ Downtown

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT03 (City Hall)
- ☒ PT04 (Trindade Station)

Samples

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

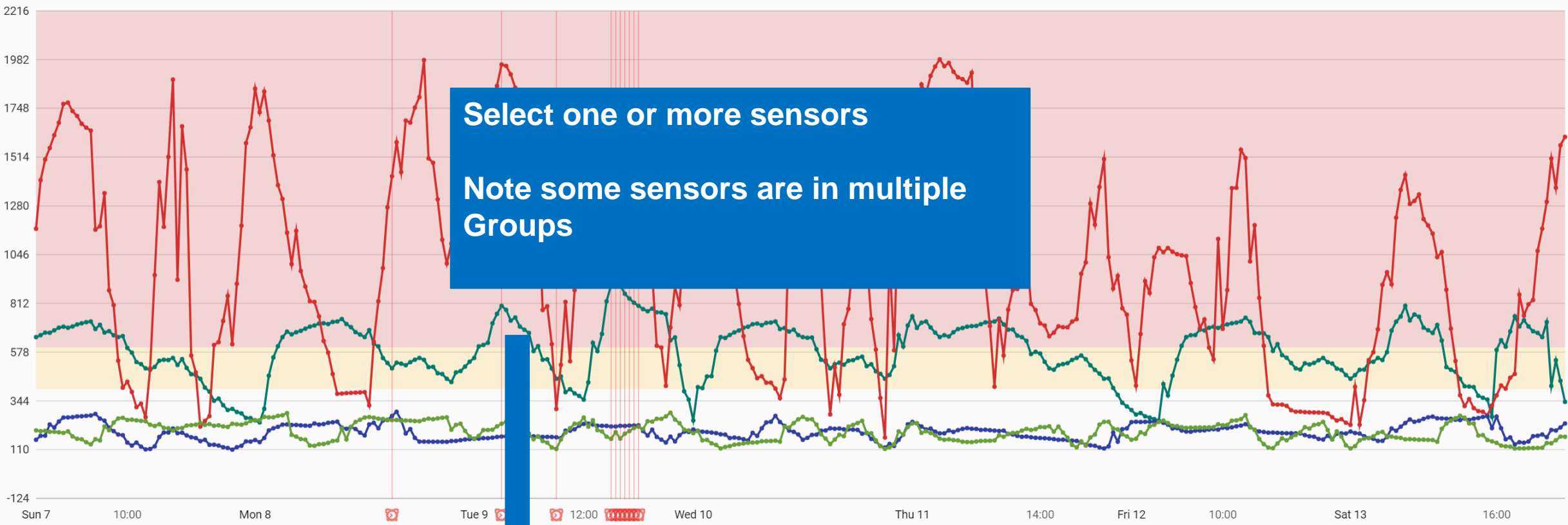
PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

Events

☒ All samples  
☐ All events  
☐ Heterotrophic\_Presence  
☐ Without events



Parameters

☒ EC25

☐ Temperature

☐ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes

☒ River

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT02 (Douro River - Arrábida)

☒ Buildings

- ☒ PT03 (City Hall)
- ☒ PT04 (Trindade Station)

☒ Downtown

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT03 (City Hall)
- ☒ PT04 (Trindade Station)

Samples

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

Events

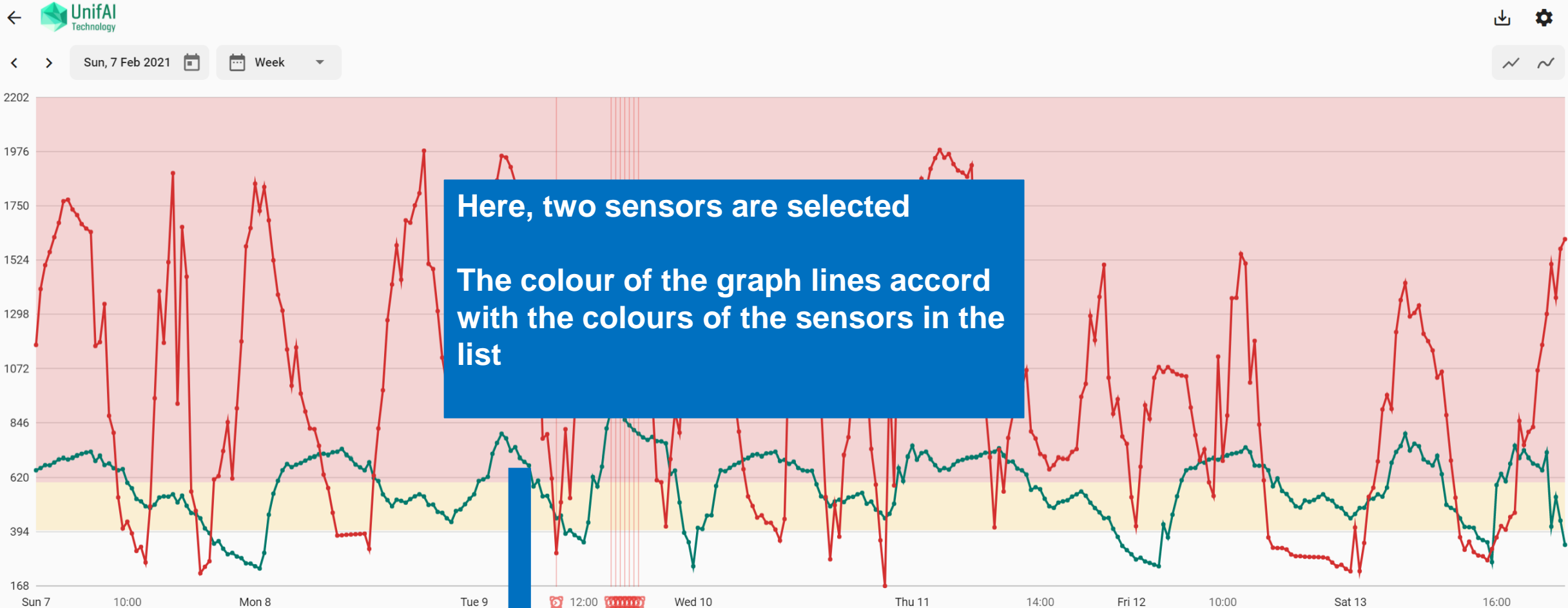
☒ All samples

☐ All events

☐ Heterotrophic\_Presence

☐ Without events





Parameters

- ☒ EC25
- ☐ Temperature
- ☐ pH
- ☐ ORP
- ☐ Salinity
- ☐ TDS
- ☐ Alkalinity
- ☐ Nitrogen

Groups & nodes

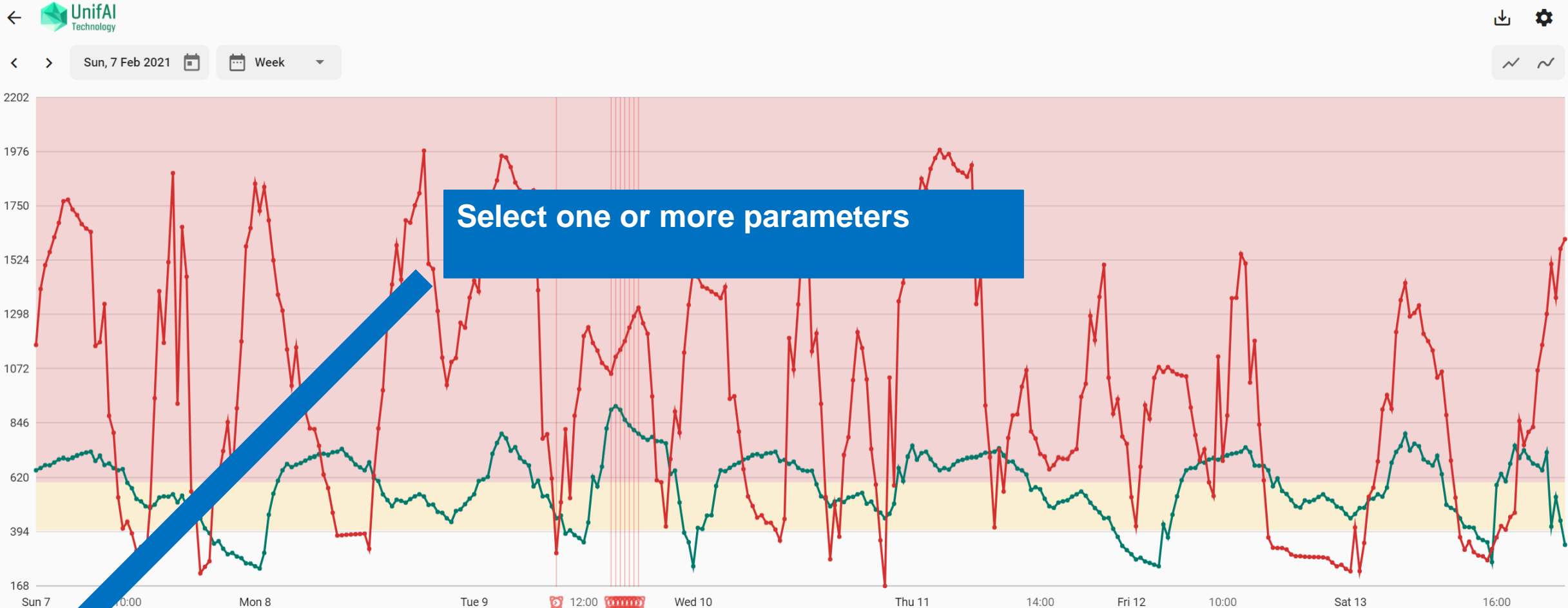
- ☒ River
  - ☒ PT01 (Douro River - Ribeira)
  - ☒ PT02 (Douro River - Arrábida)
- ☐ Buildings
  - ☐ PT03 (City Hall)
  - ☐ PT04 (Trindade Station)
- ☐ Downtown
  - ☐ PT01 (Douro River - Ribeira)
  - ☐ PT03 (City Hall)
  - ☐ PT04 (Trindade Station)

Samples

- PT01 - 13 Feb, 23:30
- PT02 - 13 Feb, 23:30
- PT03 - 13 Feb, 23:30
- PT04 - 13 Feb, 23:30
- PT01 - 13 Feb, 23:00
- PT02 - 13 Feb, 23:00
- PT03 - 13 Feb, 23:00
- PT04 - 13 Feb, 23:00
- PT01 - 13 Feb, 22:30
- PT02 - 13 Feb, 22:30
- PT03 - 13 Feb, 22:30
- PT04 - 13 Feb, 22:30
- PT01 - 13 Feb, 22:00
- PT02 - 13 Feb, 22:00
- PT03 - 13 Feb, 22:00
- PT04 - 13 Feb, 22:00

Events

- ☒ All samples
- ☐ All events
- ☐ Heterotrophic\_Presence
- ☐ Without events



Select one or more parameters

Parameters

- ☒ EC25
- ☐ Temperature
- ☐ pH
- ☐ ORP
- ☐ Salinity
- ☐ TDS
- ☐ Alkalinity
- ☐ Nitrogen

Groups & nodes

- ☒ River
  - ☒ PT01 (Douro River - Ribeira)
  - ☒ PT02 (Douro River - Arrábida)
- ☐ Buildings
  - ☐ PT03 (City Hall)
  - ☐ PT04 (Trindade Station)
- ☐ Downtown
  - ☐ PT01 (Douro River - Ribeira)
  - ☐ PT03 (City Hall)
  - ☐ PT04 (Trindade Station)

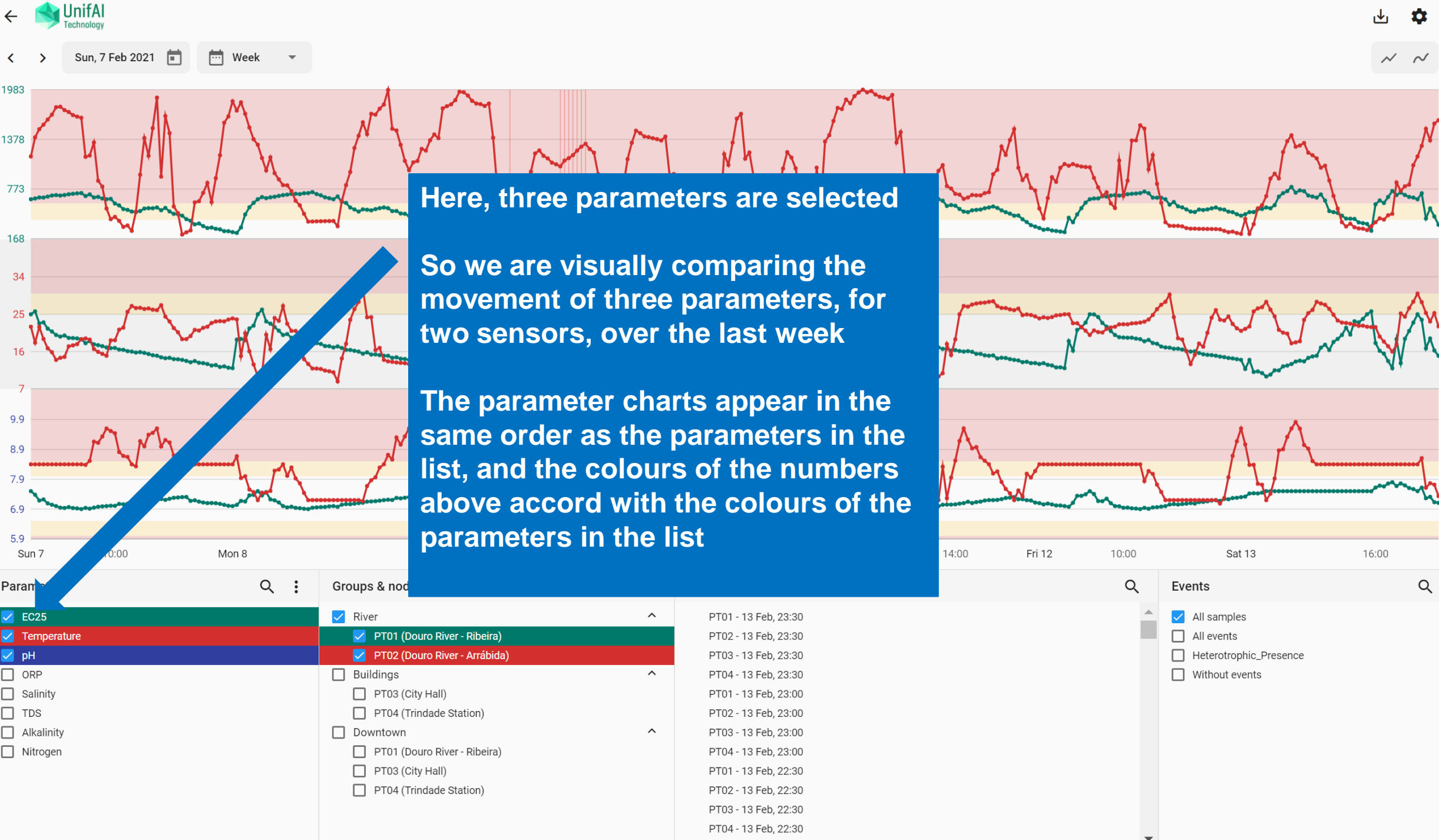
Samples

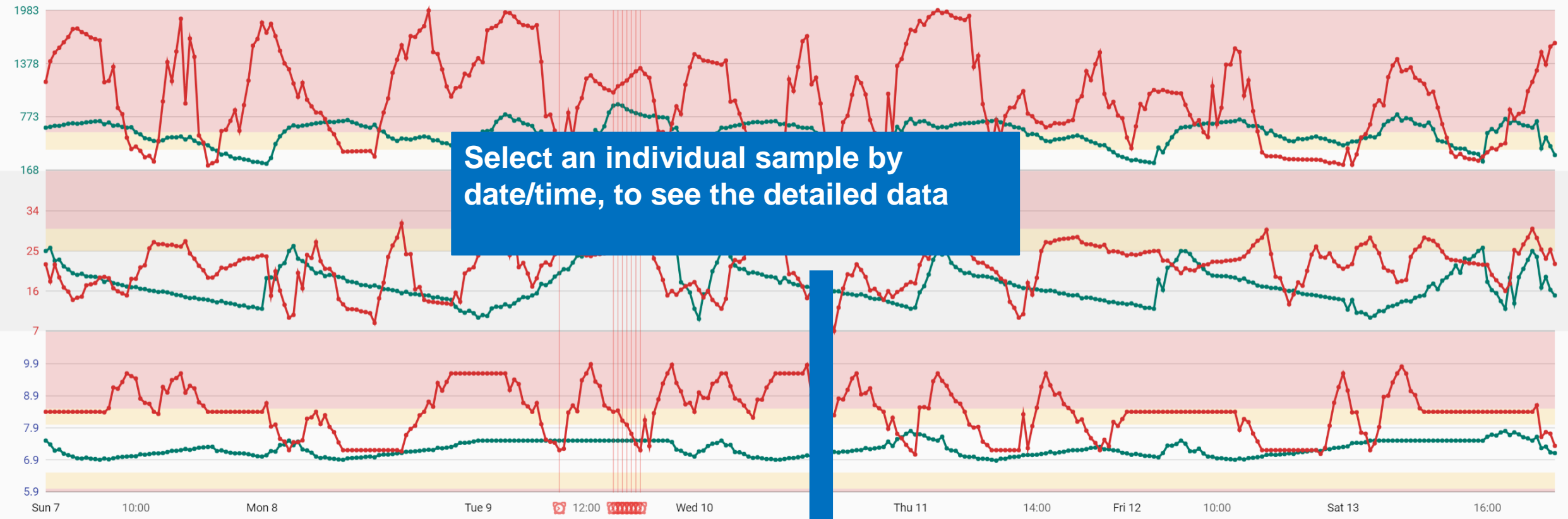
- PT01 - 13 Feb, 23:30
- PT02 - 13 Feb, 23:30
- PT03 - 13 Feb, 23:30
- PT04 - 13 Feb, 23:30
- PT01 - 13 Feb, 23:00
- PT02 - 13 Feb, 23:00
- PT03 - 13 Feb, 23:00
- PT04 - 13 Feb, 23:00
- PT01 - 13 Feb, 22:30
- PT02 - 13 Feb, 22:30
- PT03 - 13 Feb, 22:30
- PT04 - 13 Feb, 22:30
- PT01 - 13 Feb, 22:00
- PT02 - 13 Feb, 22:00
- PT03 - 13 Feb, 22:00
- PT04 - 13 Feb, 22:00

Events

- ☒ All samples
- ☐ All events
- ☐ Heterotrophic\_Presence
- ☐ Without events







Parameters

☒ EC25

☒ Temperature

☒ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes

☒ River

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT02 (Douro River - Arrábida)

☐ Buildings

- ☐ PT03 (City Hall)
- ☐ PT04 (Trindade Station)

☐ Downtown

- ☐ PT01 (Douro River - Ribeira)
- ☐ PT03 (City Hall)
- ☐ PT04 (Trindade Station)

Samples

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

Events

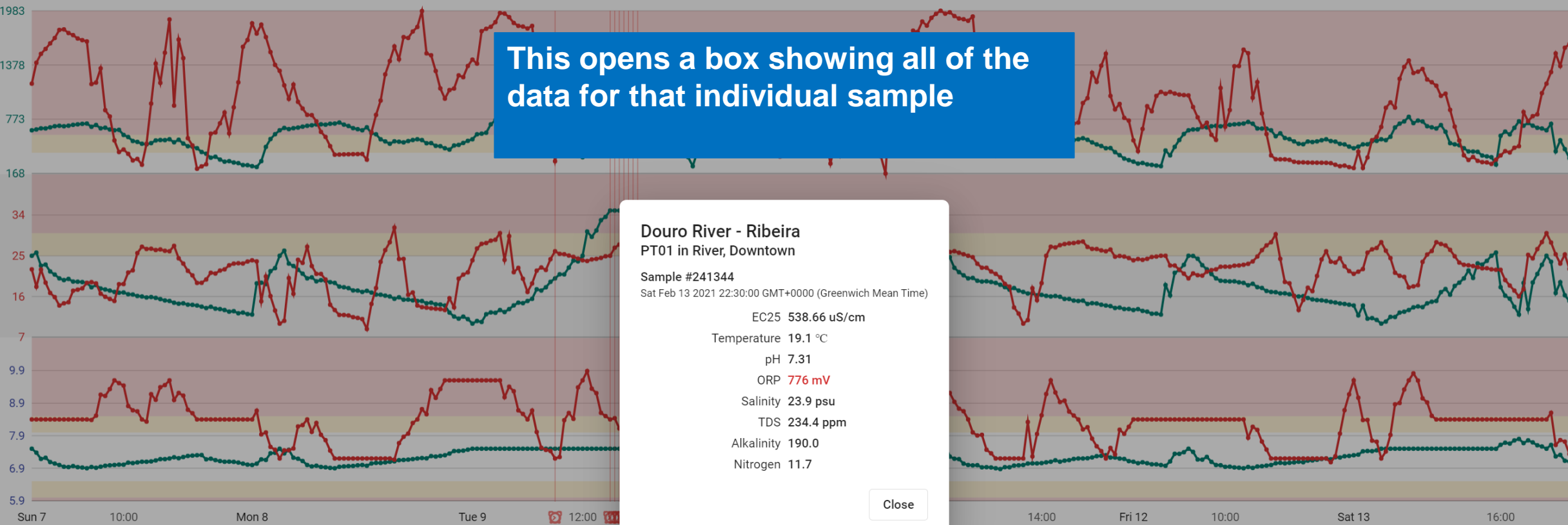
☒ All samples

☐ All events

☐ Heterotrophic\_Presence

☐ Without events





This opens a box showing all of the data for that individual sample

Douro River - Ribeira

PT01 in River, Downtown

Sample #241344

Sat Feb 13 2021 22:30:00 GMT+0000 (Greenwich Mean Time)

EC25 538.66 uS/cm

Temperature 19.1 °C

pH 7.31

ORP 776 mV

Salinity 23.9 psu

TDS 234.4 ppm

Alkalinity 190.0

Nitrogen 11.7

Close

Parameters

☒ EC25

☒ Temperature

☒ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes

☒ River

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT02 (Douro River - Arrábida)

☐ Buildings

- ☐ PT03 (City Hall)
- ☐ PT04 (Trindade Station)

☐ Downtown

- ☐ PT01 (Douro River - Ribeira)
- ☐ PT03 (City Hall)
- ☐ PT04 (Trindade Station)

Samples

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

Events

☒ All samples

☐ All events

☐ Heterotrophic\_Presence

☐ Without events

Samples with Events (Alarms and Warnings) are highlighted on the graphs

You can click on the symbol for more details



Parameters 🔍 ⋮

☒ EC25

☒ Temperature

☒ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes 🔍 ⋮

☒ River

☒ PT01 (Douro River - Ribeira)

☒ PT02 (Douro River - Arrábida)

☐ Buildings

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)

☐ Downtown

☐ PT01 (Douro River - Ribeira)

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)

Samples 🔍

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

Events 🔍

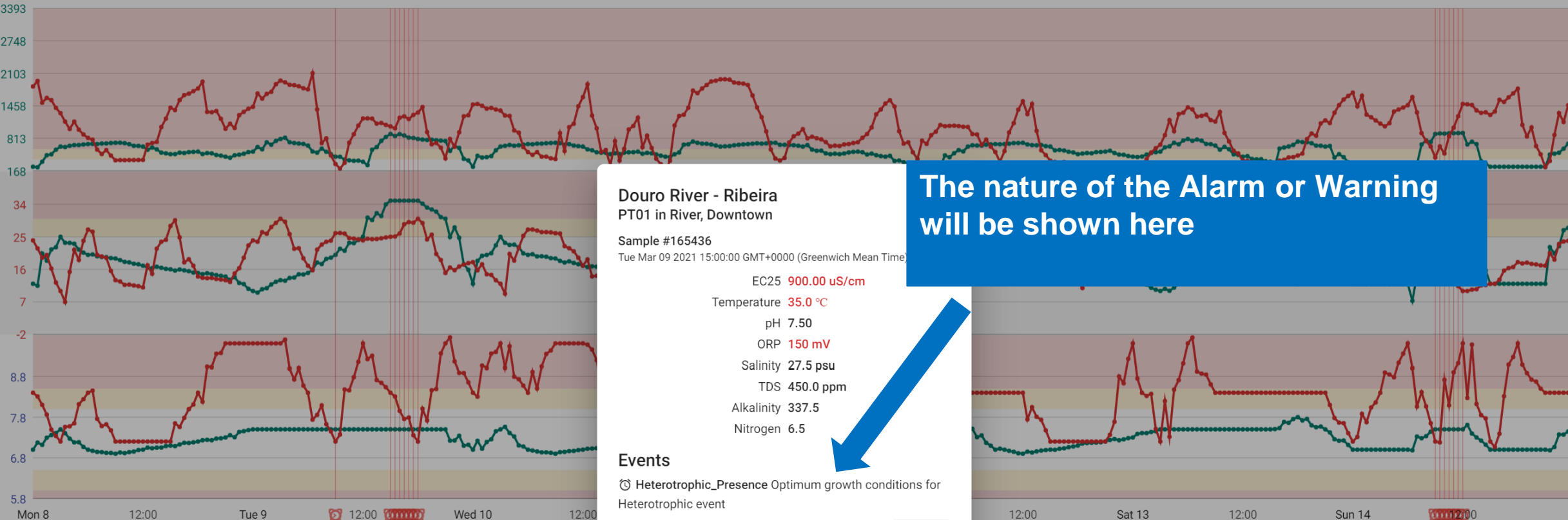
☒ All samples

☐ All events

☐ Heterotrophic\_Presence

☐ Without events





Douro River - Ribeira

PT01 in River, Downtown

Sample #165436

Tue Mar 09 2021 15:00:00 GMT+0000 (Greenwich Mean Time)

EC25 900.00 uS/cm

Temperature 35.0 °C

pH 7.50

ORP 150 mV

Salinity 27.5 psu

TDS 450.0 ppm

Alkalinity 337.5

Nitrogen 6.5

Events

🕒 Heterotrophic\_Presence

Optimum growth conditions for Heterotrophic event

Close

The nature of the Alarm or Warning will be shown here

Parameters

- ☒ EC25
- ☒ Temperature
- ☒ pH
- ☐ ORP
- ☐ Salinity
- ☐ TDS
- ☐ Alkalinity
- ☐ Nitrogen

Groups & nodes

- ☒ River

☒ PT01 (Douro River - Ribeira)

☒ PT02 (Douro River - Arrábida)
- ☐ Buildings

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)
- ☐ Downtown

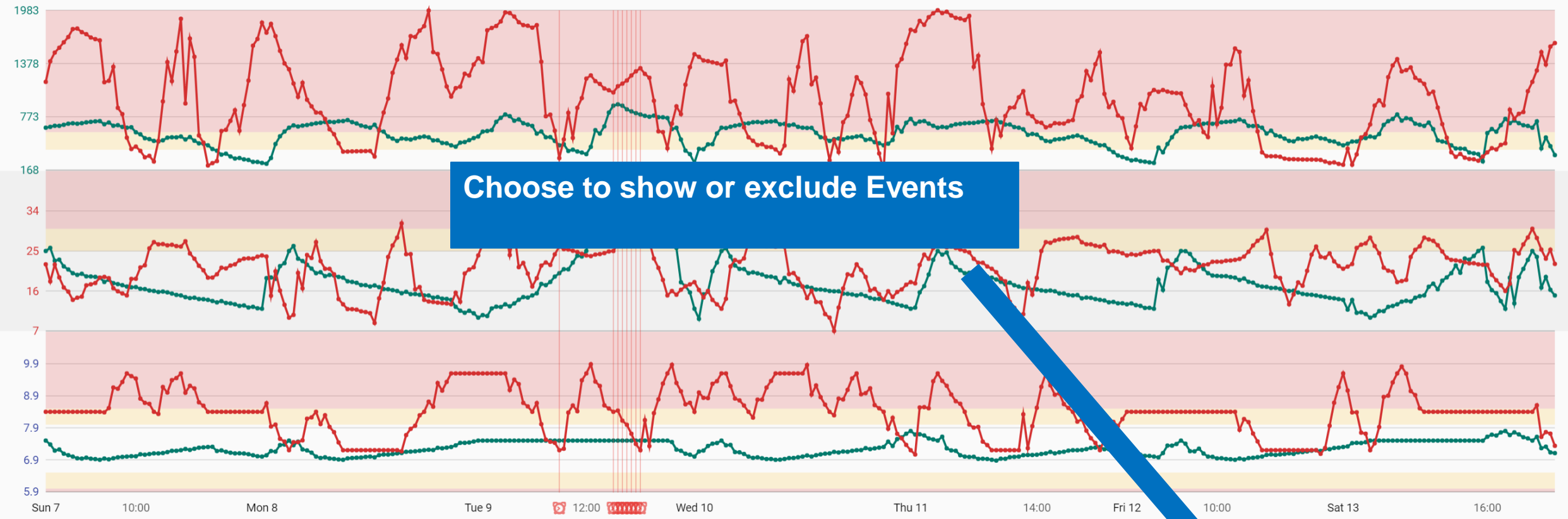
☐ PT01 (Douro River - Ribeira)

☐ PT03 (City Hall)
- ☐
- PT04 (Trindade Station)

- PT01 - 14 Mar, 23:30
- PT02 - 14 Mar, 23:30
- PT03 - 14 Mar, 23:30
- PT04 - 14 Mar, 23:30
- PT01 - 14 Mar, 23:00
- PT02 - 14 Mar, 23:00
- PT03 - 14 Mar, 23:00
- PT04 - 14 Mar, 23:00
- PT01 - 14 Mar, 22:30
- PT02 - 14 Mar, 22:30
- PT03 - 14 Mar, 22:30
- PT04 - 14 Mar, 22:30

Events

- ☒ All samples
- ☐ All events
- ☐ Heterotrophic\_Presence
- ☐ Without events



Parameters 🔍 ⋮

☒ EC25

☒ Temperature

☒ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes 🔍 ⋮

☒ River

☒ PT01 (Douro River - Ribeira)

☒ PT02 (Douro River - Arrábida)

☐ Buildings

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)

☐ Downtown

☐ PT01 (Douro River - Ribeira)

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)

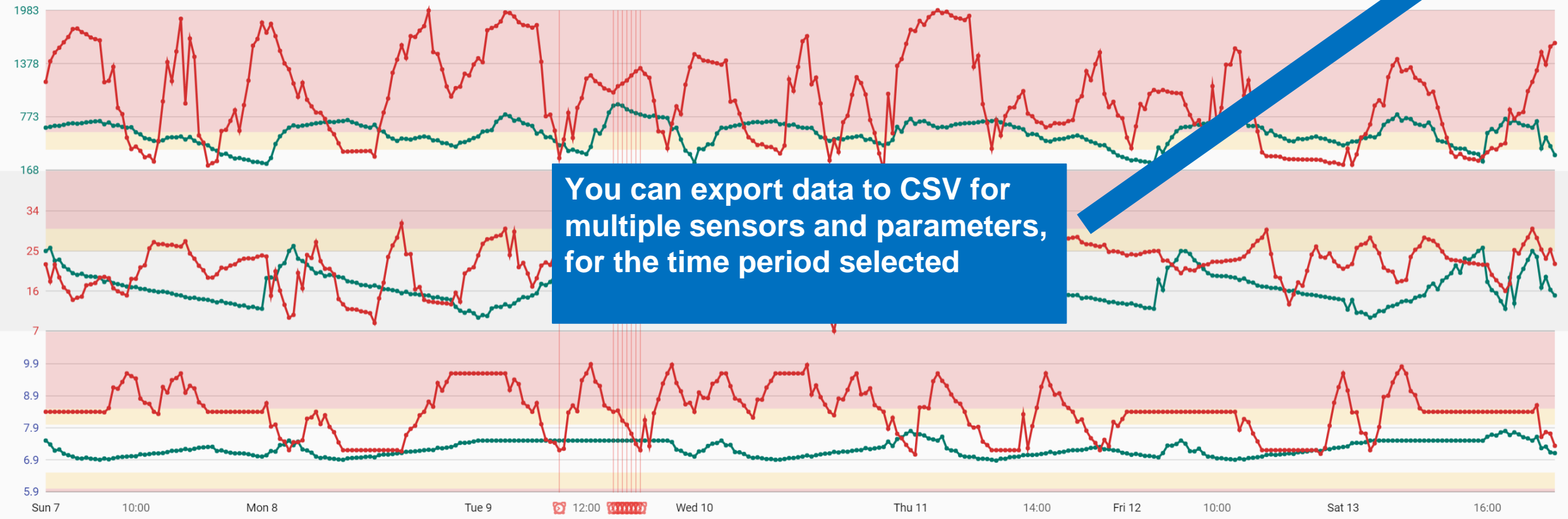
Samples 🔍

PT01 - 13 Feb, 23:30  
PT02 - 13 Feb, 23:30  
PT03 - 13 Feb, 23:30  
PT04 - 13 Feb, 23:30  
PT01 - 13 Feb, 23:00  
PT02 - 13 Feb, 23:00  
PT03 - 13 Feb, 23:00  
PT04 - 13 Feb, 23:00  
PT01 - 13 Feb, 22:30  
PT02 - 13 Feb, 22:30  
PT03 - 13 Feb, 22:30  
PT04 - 13 Feb, 22:30

Events 🔍

☒ All samples  
☐ All events  
☐ Heterotrophic\_Presence  
☐ Without events





You can export data to CSV for multiple sensors and parameters, for the time period selected

Parameters

☒ EC25

☒ Temperature

☒ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes

☒ River

☒ PT01 (Douro River - Ribeira)

☒ PT02 (Douro River - Arrábida)

☐ Buildings

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)

☐ Downtown

☐ PT01 (Douro River - Ribeira)

☐ PT03 (City Hall)

☐ PT04 (Trindade Station)

Samples

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

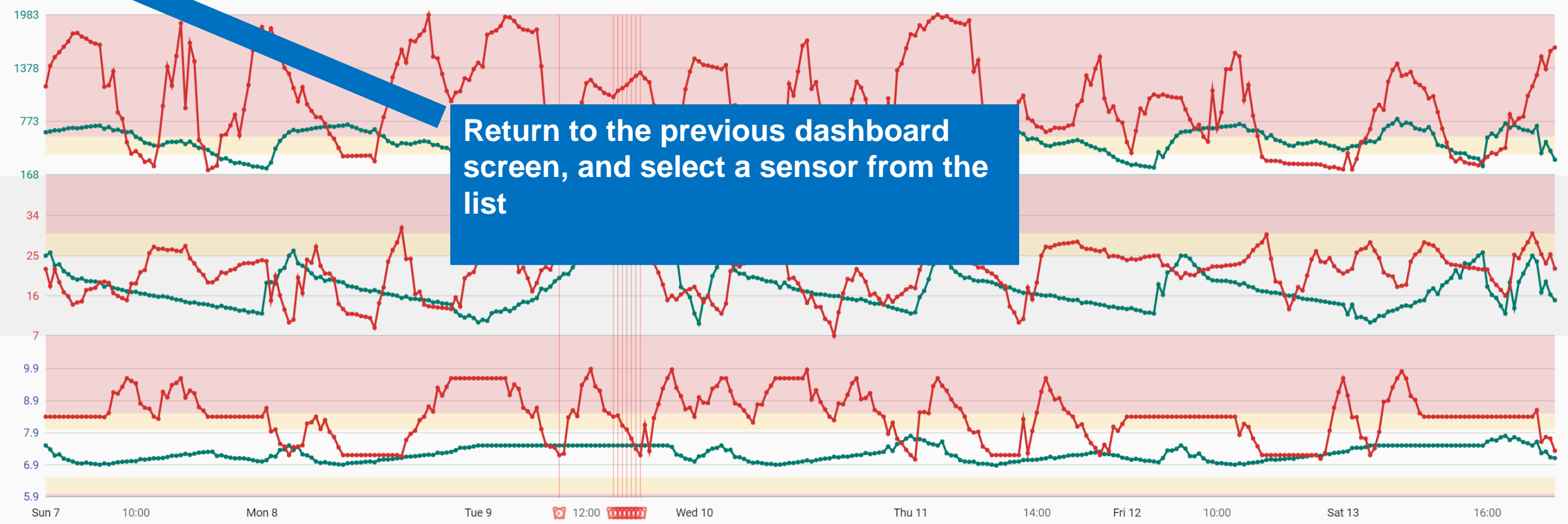
Events

☒ All samples

☐ All events

☐ Heterotrophic\_Presence

☐ Without events



Parameters

☒ EC25

☒ Temperature

☒ pH

☐ ORP

☐ Salinity

☐ TDS

☐ Alkalinity

☐ Nitrogen

Groups & nodes

☒ River

- ☒ PT01 (Douro River - Ribeira)
- ☒ PT02 (Douro River - Arrábida)

☐ Buildings

- ☐ PT03 (City Hall)
- ☐ PT04 (Trindade Station)

☐ Downtown

- ☐ PT01 (Douro River - Ribeira)
- ☐ PT03 (City Hall)
- ☐ PT04 (Trindade Station)

Samples

PT01 - 13 Feb, 23:30

PT02 - 13 Feb, 23:30

PT03 - 13 Feb, 23:30

PT04 - 13 Feb, 23:30

PT01 - 13 Feb, 23:00

PT02 - 13 Feb, 23:00

PT03 - 13 Feb, 23:00

PT04 - 13 Feb, 23:00

PT01 - 13 Feb, 22:30

PT02 - 13 Feb, 22:30

PT03 - 13 Feb, 22:30

PT04 - 13 Feb, 22:30

Events

☒ All samples

☐ All events

☐ Heterotrophic\_Presence

☐ Without events



All

Douro River - Ribeira

1

Douro River - Arrábida

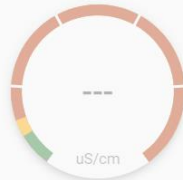
City Hall

2

Trindade Station

1

select a sensor



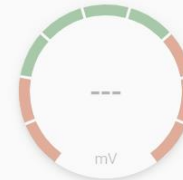
EC25 ^



Temperature ^



pH ^



ORP ^



Salinity ^



TDS ^

No sensor will be active, so select a sensor from the list





All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

## Douro River - Arrábida PT02

22:35 Sun, 14 Feb 2021

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0

16.1°C



Alkalinity ▲



Temperature ▲



pH ▲



Nitrogen ▲



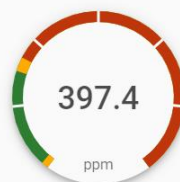
ORP ▲



EC25 ▲



Salinity ▲

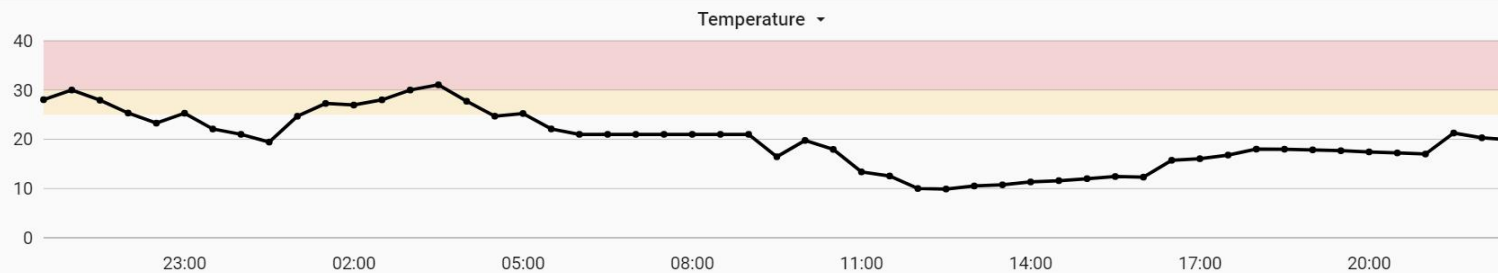
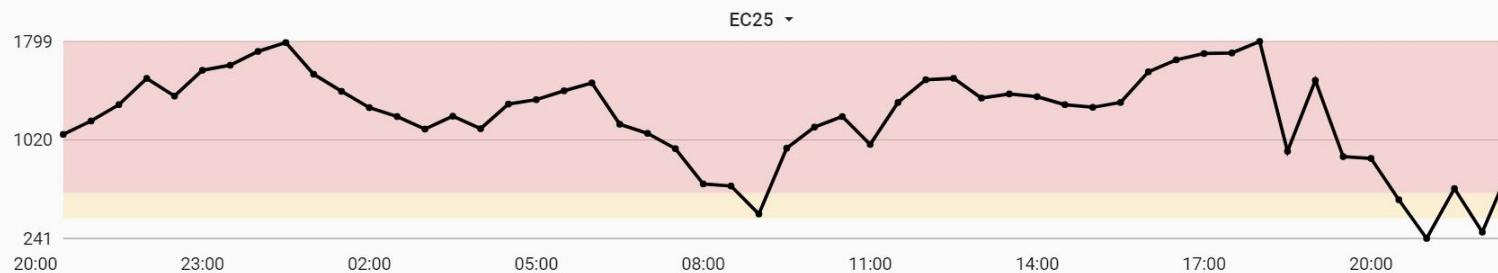


TDS ▲

< >

Since Sat 13 at 20:30

Day ▼





All

Douro River - Ribeira

1

Douro River - Arrábida

1

City Hall

1

Trindade Station

1

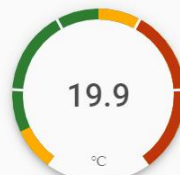
## Douro River - Arrábida PT02

22:35 Sun, 14 Feb 2021

Humidity 5%  
Precipitation 0.01 mm/h  
UV 5.0  
16.1°C



Alkalinity



Temperature



pH



Nitrogen



ORP



EC25



Salinity

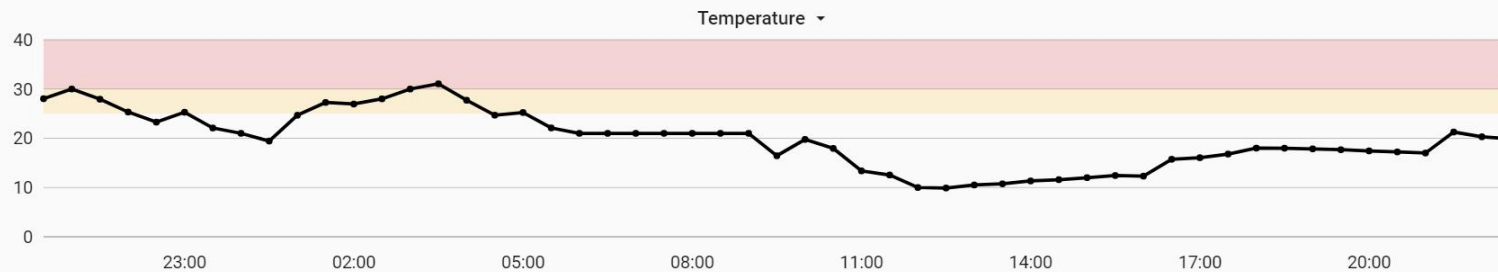
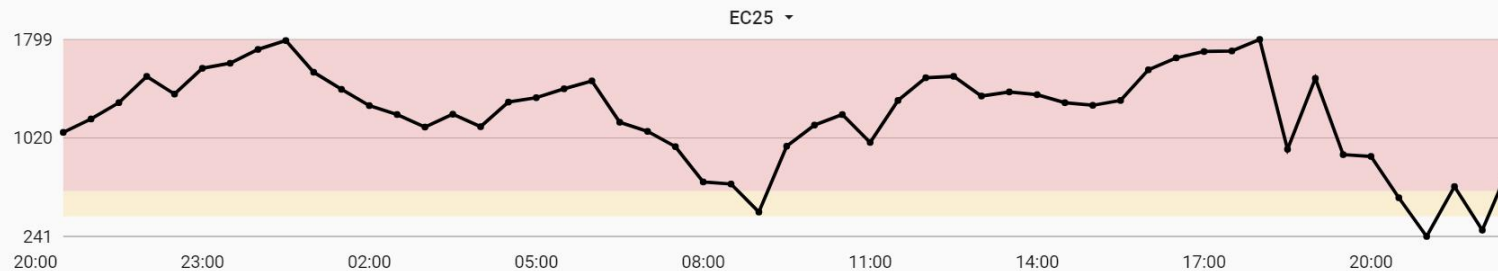
Click on the “enhanced visual analytics” button

< >

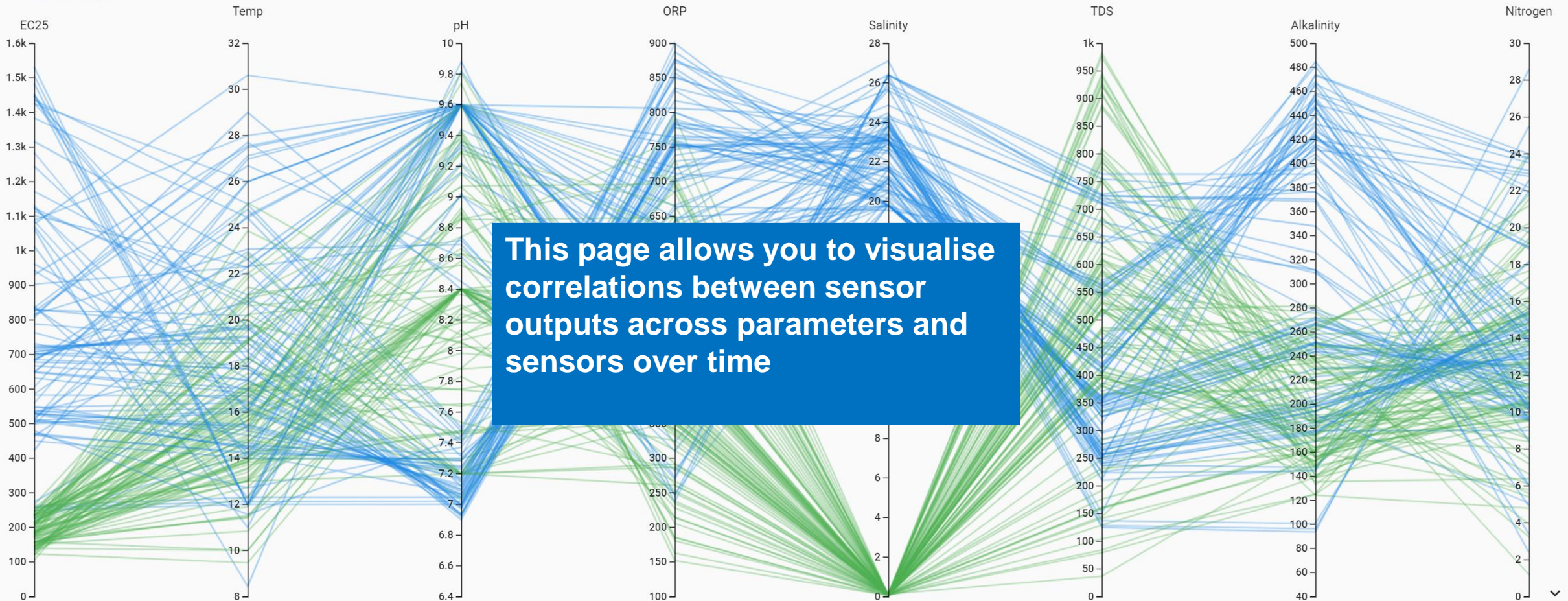
Since Sat 13 at 20:30



Day







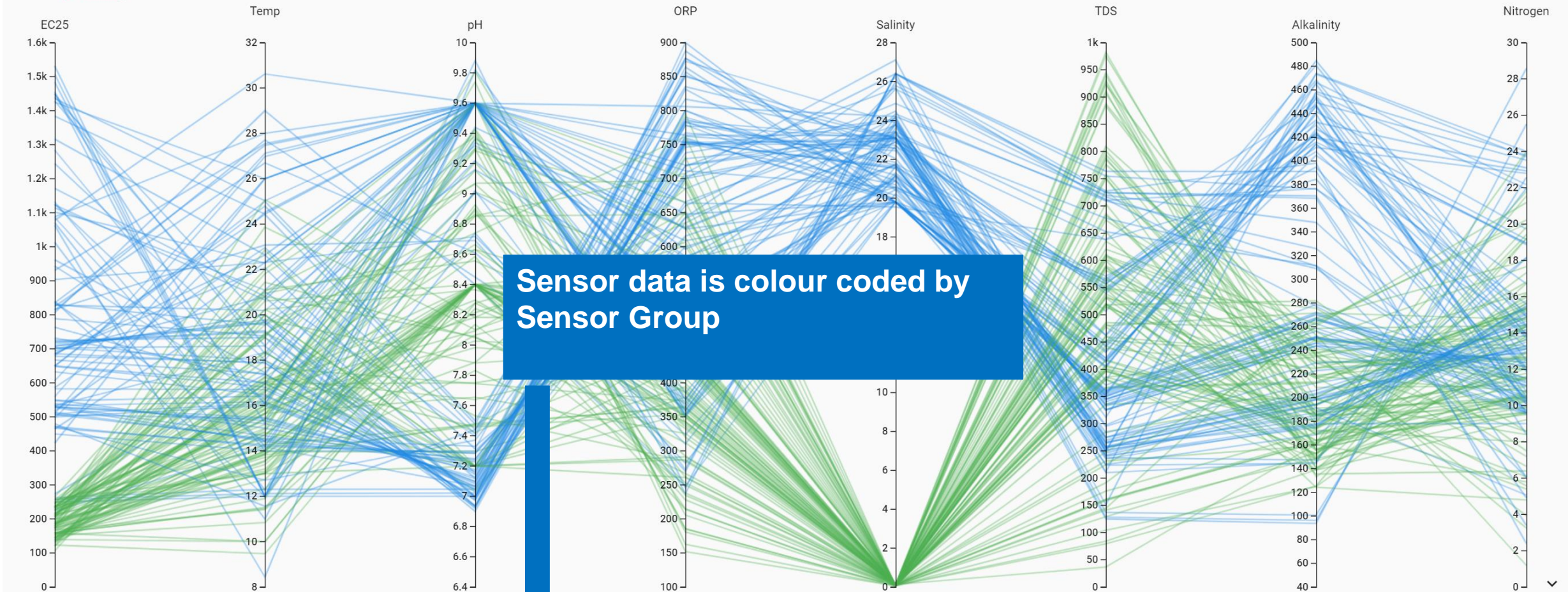
### Groups

Name	Samples
<input checked="" type="checkbox"/> River	96
<input checked="" type="checkbox"/> PT01	48
<input checked="" type="checkbox"/> PT02	48
<input checked="" type="checkbox"/> Buildings	96
<input checked="" type="checkbox"/> PT03	48
<input checked="" type="checkbox"/> PT04	48
<input checked="" type="checkbox"/> Downtown	144
<input checked="" type="checkbox"/> PT01	48
<input checked="" type="checkbox"/> PT03	48

### 192 samples

	Sensor	Time	Date	Events
●	PT01	10:30:00	2021-02-24	
●	PT02	10:30:00	2021-02-24	
●	PT03	10:30:00	2021-02-24	
●	PT04	10:30:00	2021-02-24	
●	PT01	10:00:00	2021-02-24	
●	PT02	10:00:00	2021-02-24	
●	PT03	10:00:00	2021-02-24	
●	PT04	10:00:00	2021-02-24	





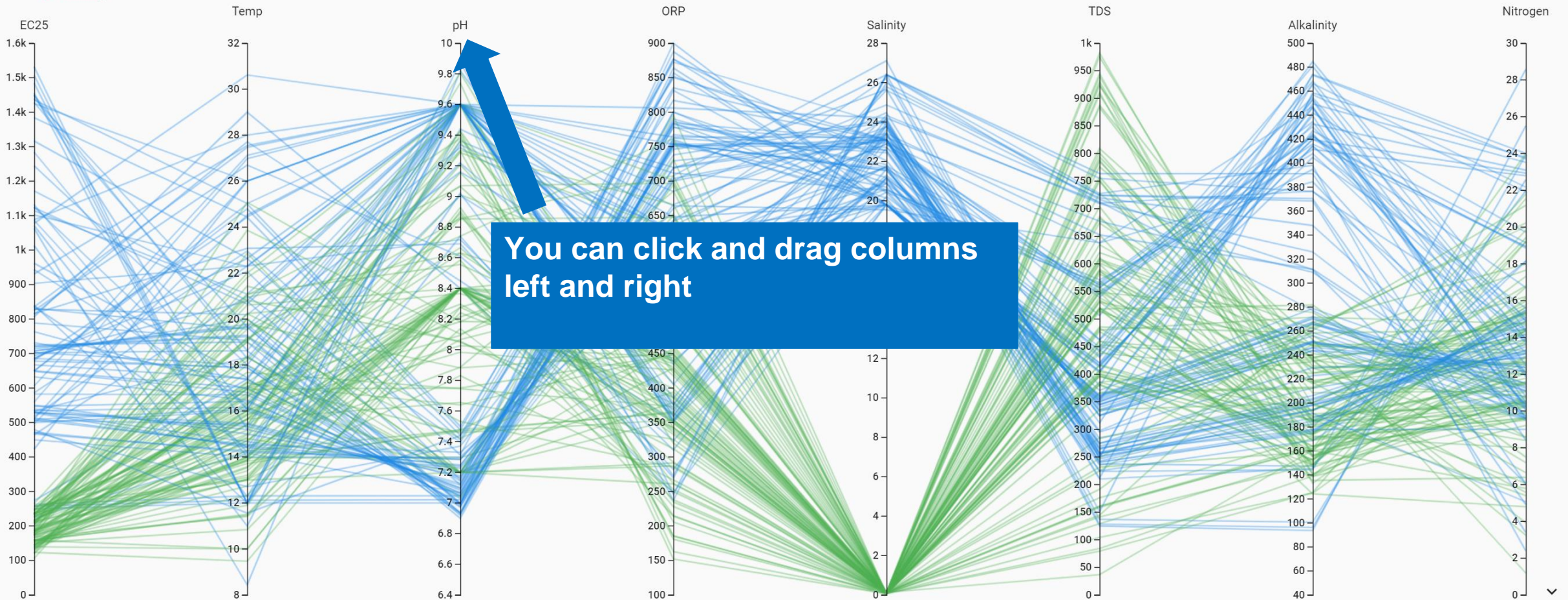
### Groups

Name	Samples
<input checked="" type="checkbox"/> River	96
<input checked="" type="checkbox"/> PT01	48
<input checked="" type="checkbox"/> PT02	48
<input checked="" type="checkbox"/> Buildings	96
<input checked="" type="checkbox"/> PT03	48
<input checked="" type="checkbox"/> PT04	48
<input checked="" type="checkbox"/> Downtown	144
<input checked="" type="checkbox"/> PT01	48
<input checked="" type="checkbox"/> PT03	48

### 192 samples

	Sensor	Time	Date	Events
●	PT01	10:30:00	2021-02-24	
●	PT02	10:30:00	2021-02-24	
●	PT03	10:30:00	2021-02-24	
●	PT04	10:30:00	2021-02-24	
●	PT01	10:00:00	2021-02-24	
●	PT02	10:00:00	2021-02-24	
●	PT03	10:00:00	2021-02-24	
●	PT04	10:00:00	2021-02-24	





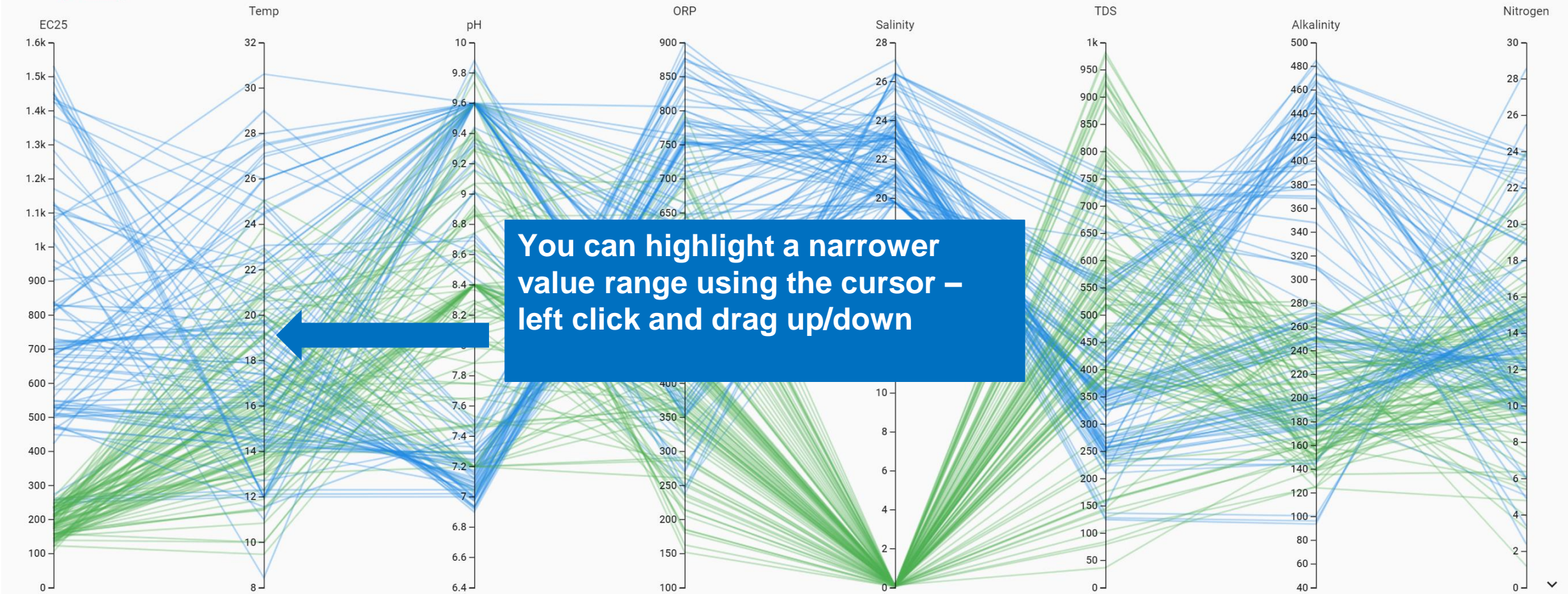
### Groups

Name	Samples
<input checked="" type="checkbox"/> River	96
<input checked="" type="checkbox"/> PT01	48
<input checked="" type="checkbox"/> PT02	48
<input checked="" type="checkbox"/> Buildings	96
<input checked="" type="checkbox"/> PT03	48
<input checked="" type="checkbox"/> PT04	48
<input checked="" type="checkbox"/> Downtown	144
<input checked="" type="checkbox"/> PT01	48
<input checked="" type="checkbox"/> PT03	48

### 192 samples

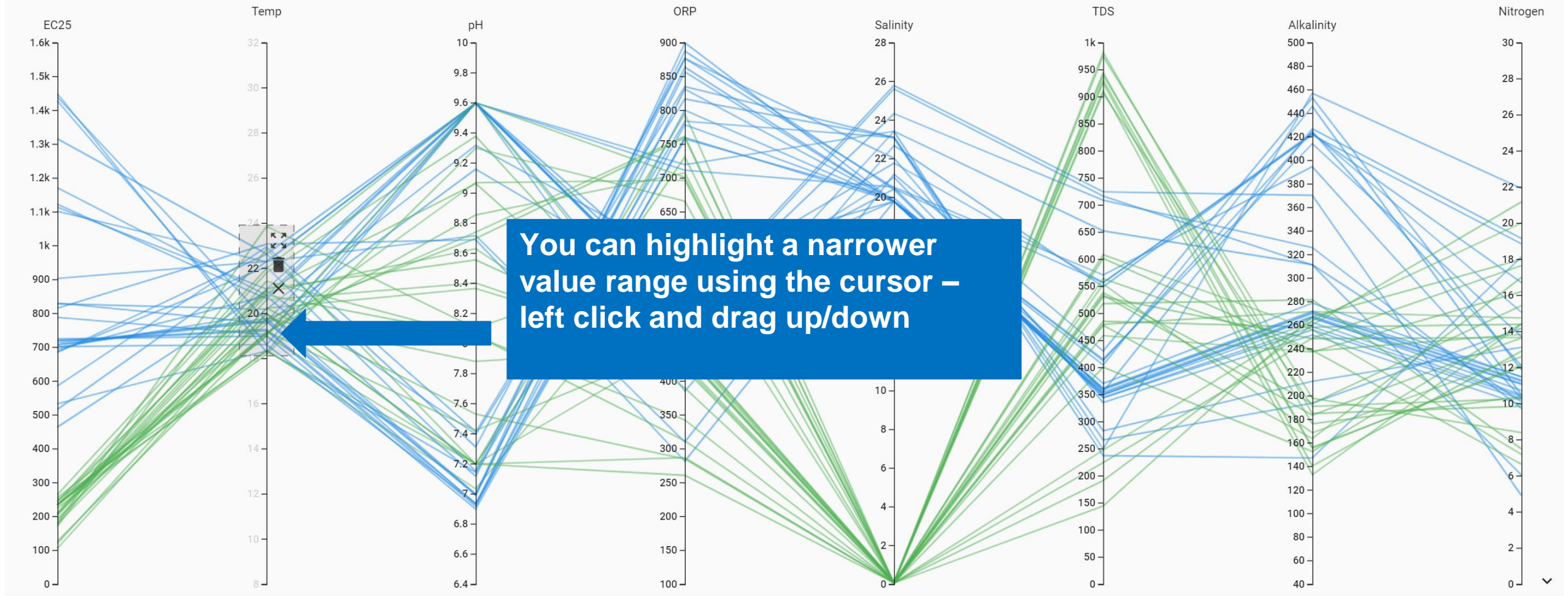
	Sensor	Time	Date	Events
●	PT01	10:30:00	2021-02-24	
●	PT02	10:30:00	2021-02-24	
●	PT03	10:30:00	2021-02-24	
●	PT04	10:30:00	2021-02-24	
●	PT01	10:00:00	2021-02-24	
●	PT02	10:00:00	2021-02-24	
●	PT03	10:00:00	2021-02-24	
●	PT04	10:00:00	2021-02-24	



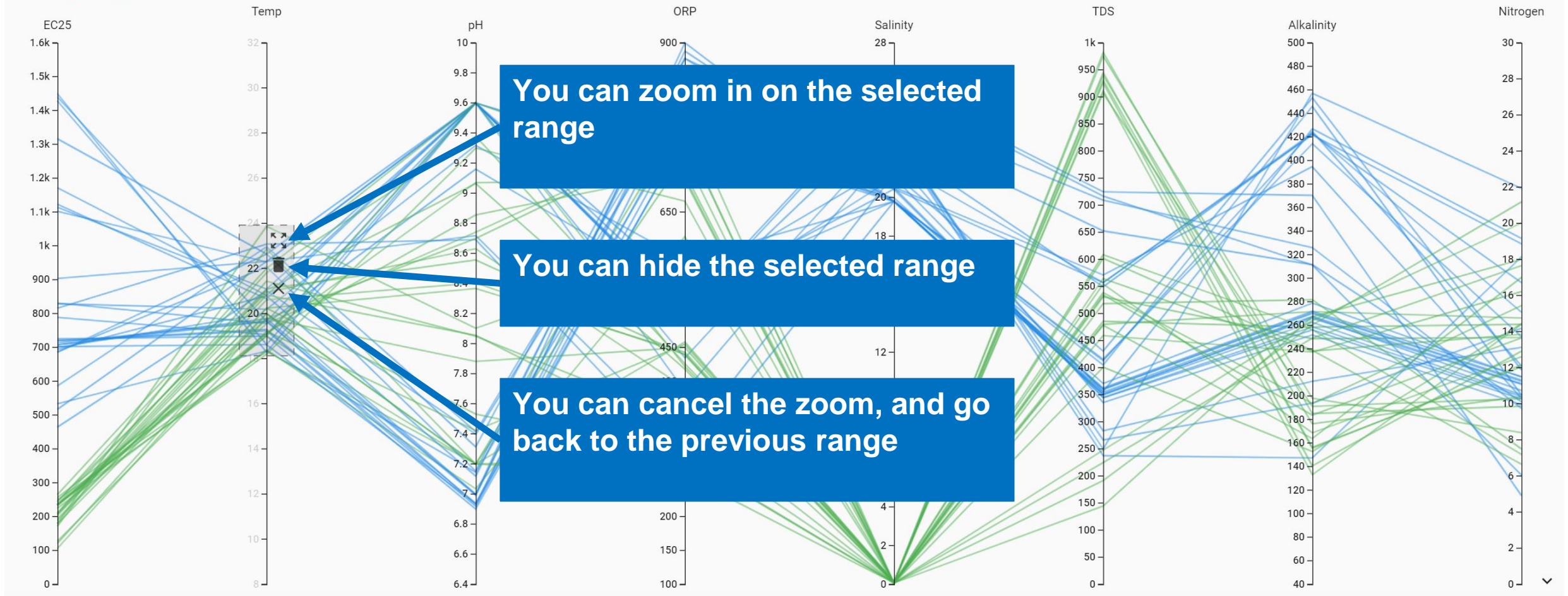


Groups			192 samples				
Name	Samples			Sensor	Time	Date	Events
<input checked="" type="checkbox"/> River	96		<span style="color: blue;">●</span>	PT01	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT01	48		<span style="color: blue;">●</span>	PT02	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT02	48		<span style="color: green;">●</span>	PT03	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> Buildings	96		<span style="color: green;">●</span>	PT04	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48		<span style="color: blue;">●</span>	PT01	10:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT04	48		<span style="color: blue;">●</span>	PT02	10:00:00	2021-02-24	
<input checked="" type="checkbox"/> Downtown	144		<span style="color: green;">●</span>	PT03	10:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT01	48		<span style="color: green;">●</span>	PT04	10:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48						



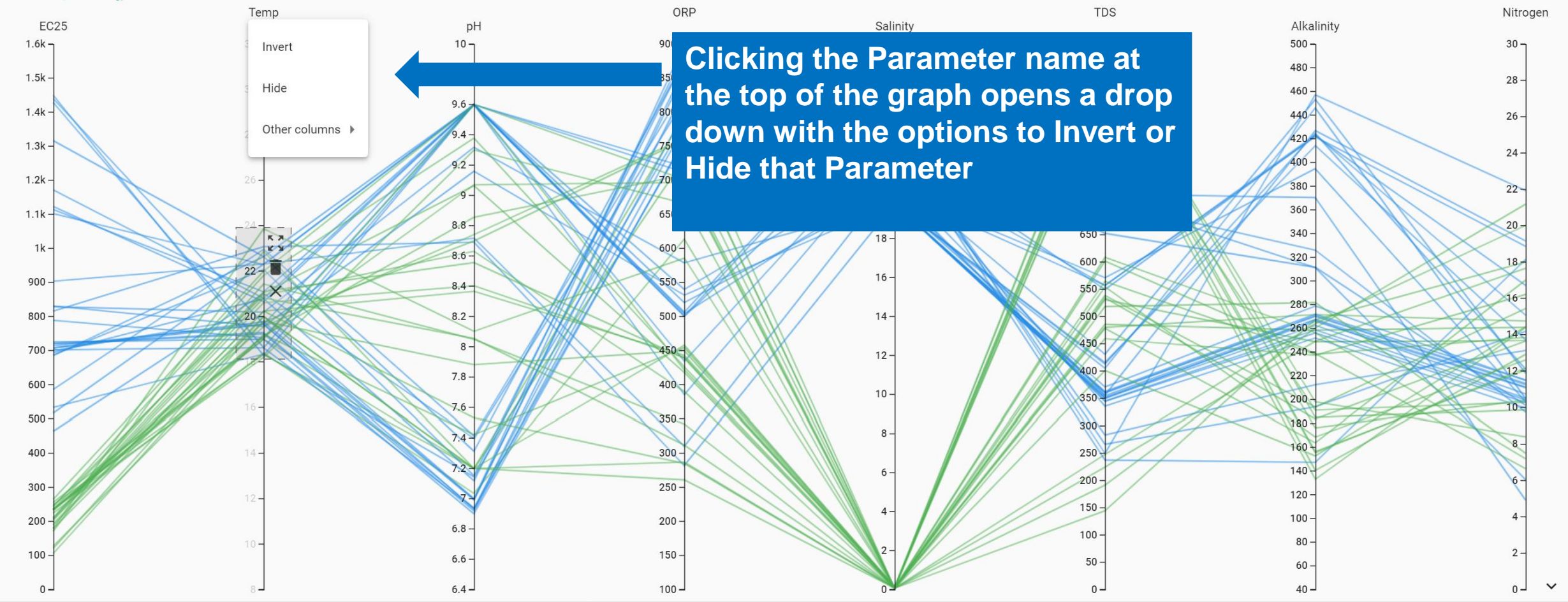


Groups			192 samples				
Name	Samples		Sensor	Time	Date	Events	
<input checked="" type="checkbox"/> River	96		<span style="color: blue;">●</span> PT01	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT01	48		<span style="color: blue;">●</span> PT02	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT02	48		<span style="color: green;">●</span> PT03	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> Buildings	96		<span style="color: green;">●</span> PT04	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48		<span style="color: blue;">●</span> PT01	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT04	48		<span style="color: blue;">●</span> PT02	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> Downtown	144		<span style="color: green;">●</span> PT03	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT01	48		<span style="color: green;">●</span> PT04	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48						



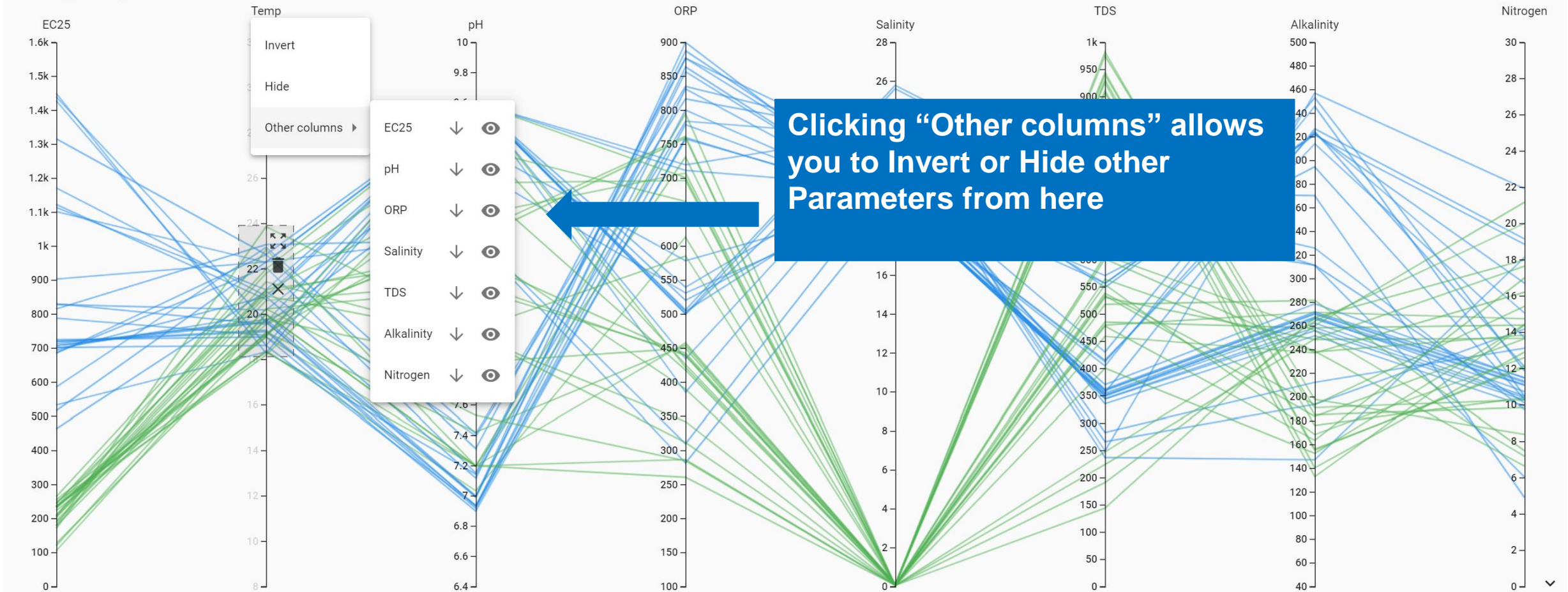
Groups			192 samples				
Name	Samples		Sensor	Time	Date	Events	
<input checked="" type="checkbox"/> River	96		● PT01	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT01	48		● PT02	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT02	48		● PT03	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> Buildings	96		● PT04	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48		● PT01	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT04	48		● PT02	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> Downtown	144		● PT03	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT01	48		● PT04	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48						



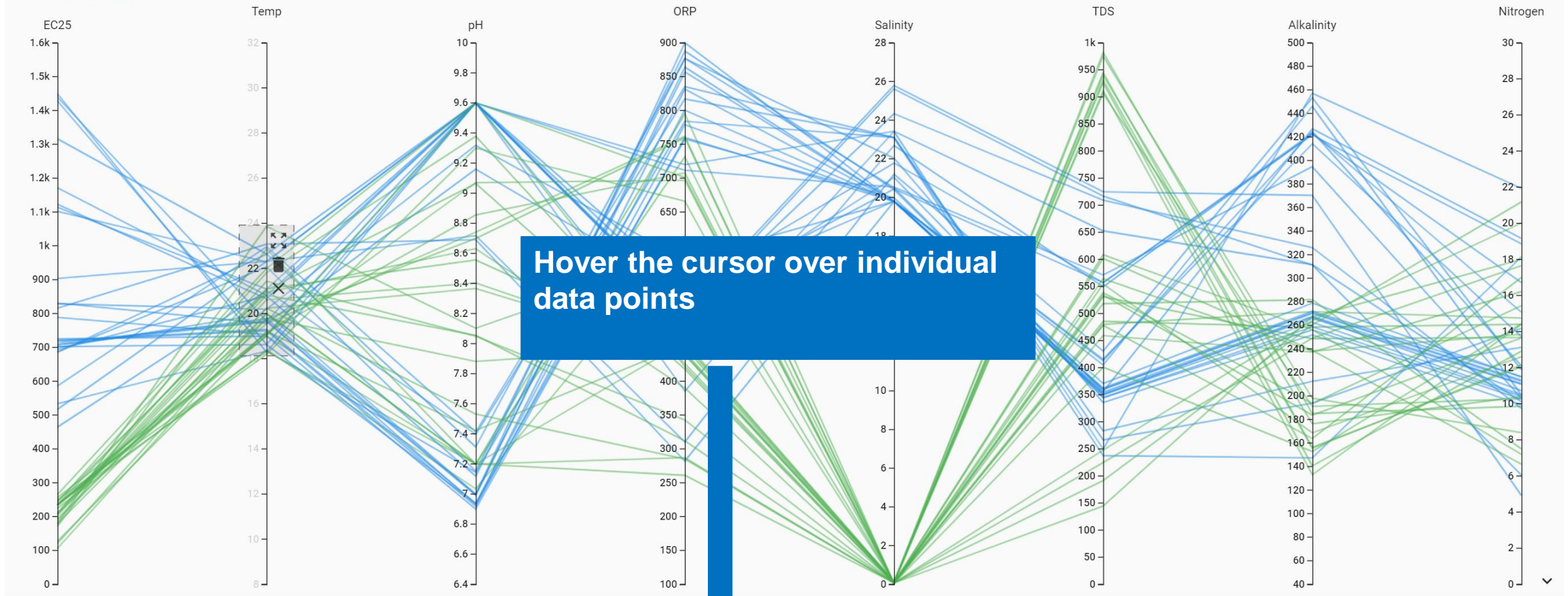


Groups			192 samples				
Name	Samples			Sensor	Time	Date	Events
<input checked="" type="checkbox"/> River	96		●	PT01	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT01	48		●	PT02	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT02	48		●	PT03	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> Buildings	96		●	PT04	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48		●	PT01	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT04	48		●	PT02	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> Downtown	144		●	PT03	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT01	48		●	PT04	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48						



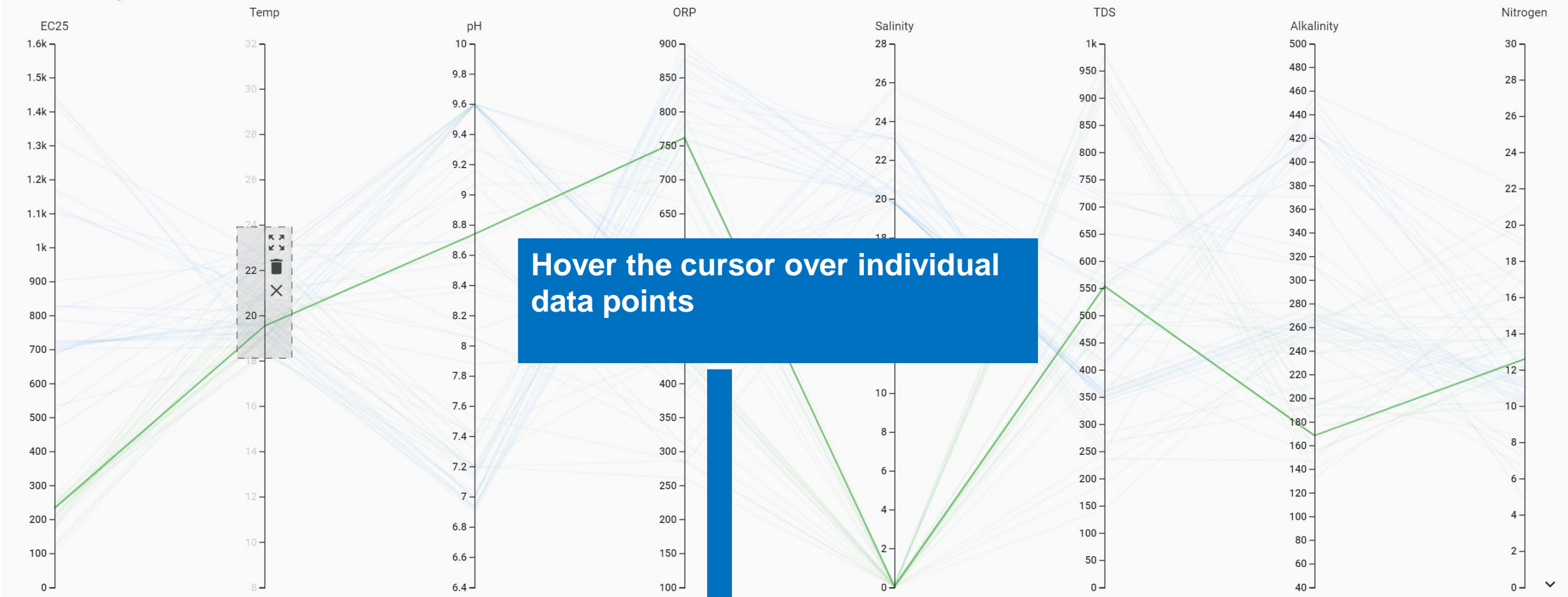


Groups			192 samples				
Name	Samples		Sensor	Time	Date	Events	
<input checked="" type="checkbox"/> River	96		PT01	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT01	48		PT02	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT02	48		PT03	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> Buildings	96		PT04	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48		PT01	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT04	48		PT02	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> Downtown	144		PT03	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT01	48		PT04	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48						

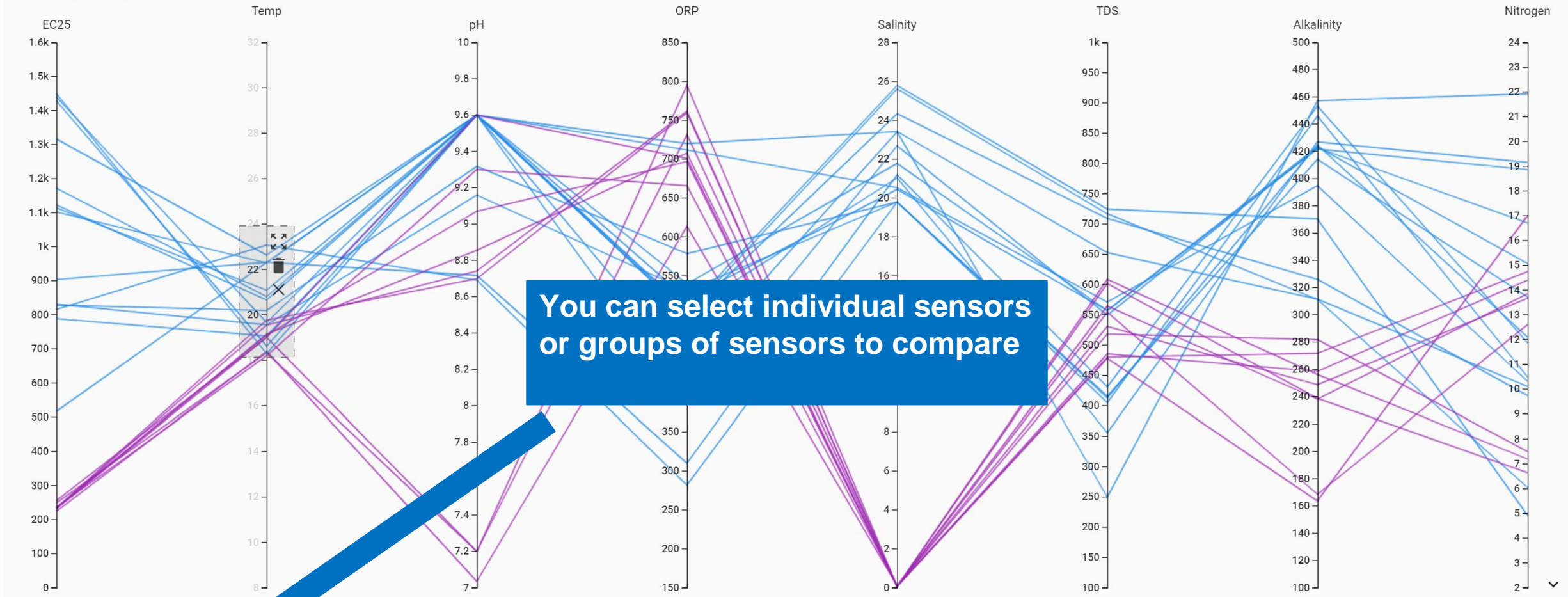


Groups		192 samples				
Name	Samples		or	Time	Date	Events
<input checked="" type="checkbox"/> River	96	●	1	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT01	48	●	2	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT02	48	●	3	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> Buildings	96	●	4	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48	●	1	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT04	48	●	2	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> Downtown	144	●	PT03	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT01	48	●	PT04	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48					



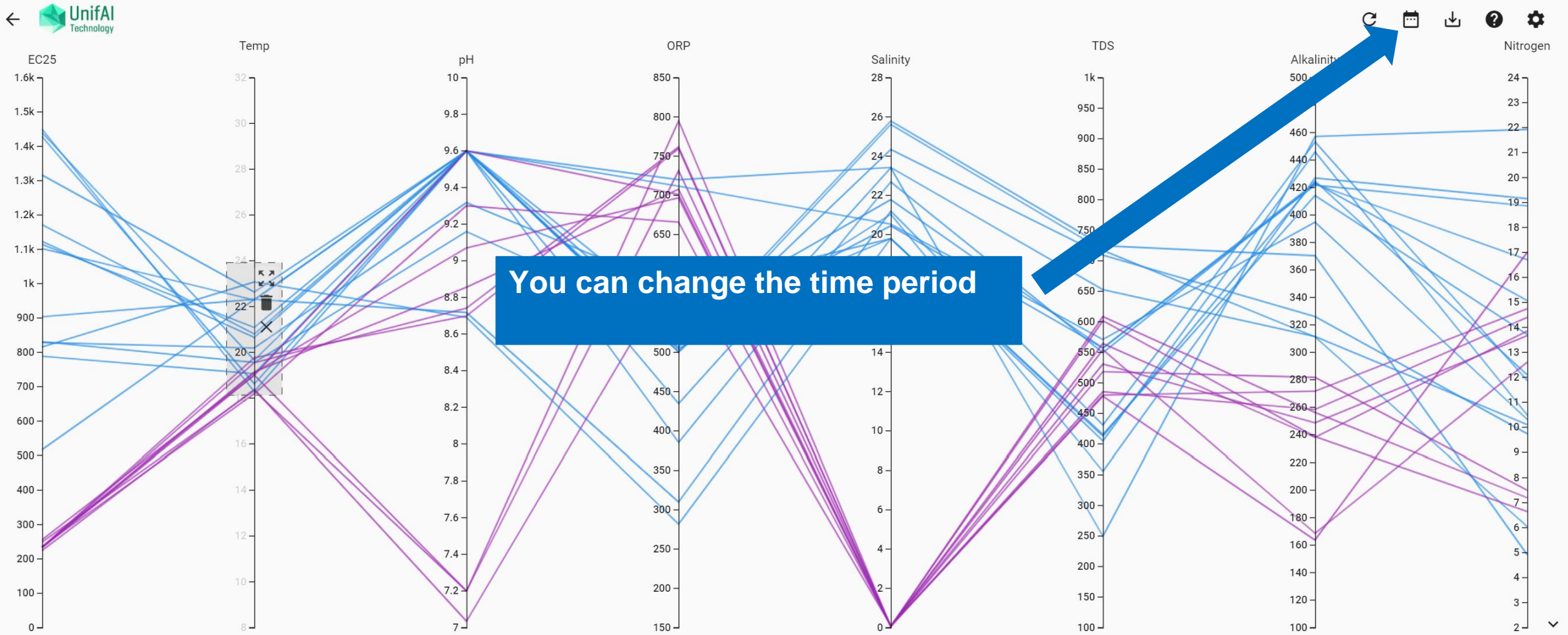


Groups		192 samples						
Name	Samples			Time	Date	Events		
<input checked="" type="checkbox"/> River	96							
<input checked="" type="checkbox"/> PT01	48							
<input checked="" type="checkbox"/> PT02	48							
<input checked="" type="checkbox"/> Buildings	96							
<input checked="" type="checkbox"/> PT03	48							
<input checked="" type="checkbox"/> PT04	48							
<input checked="" type="checkbox"/> Downtown	144							
<input checked="" type="checkbox"/> PT01	48							
<input checked="" type="checkbox"/> PT03	48							

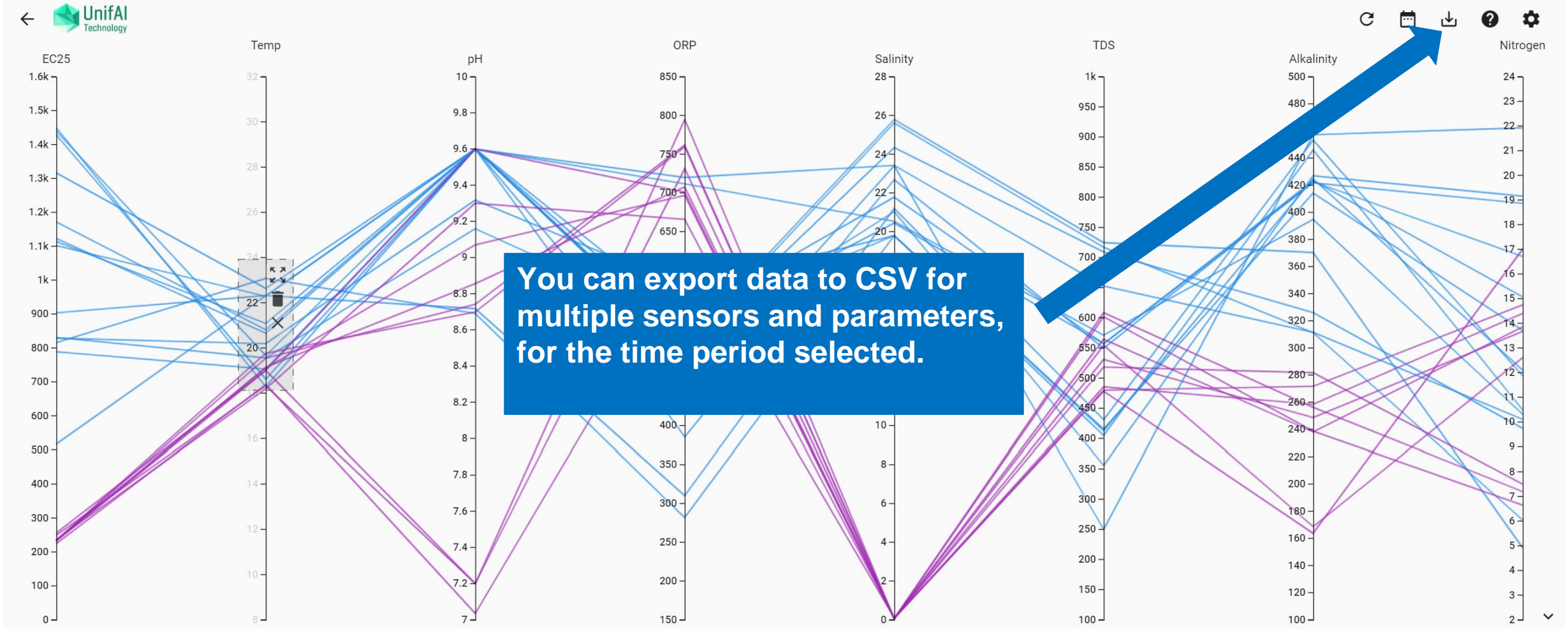


Groups			96 samples			
Name	Samples		Sensor	Time	Date	Events
<input checked="" type="checkbox"/> River	96	<div></div>	●	PT02	11:00:00	2021-02-24
<input type="checkbox"/> PT01	48		●	PT03	11:00:00	2021-02-24
<input checked="" type="checkbox"/> PT02	48	<div></div>	●	PT02	10:30:00	2021-02-24
<input type="checkbox"/> Downtown	96		●	PT03	10:30:00	2021-02-24
<input checked="" type="checkbox"/> Downtown	144	<div></div>	●	PT02	10:00:00	2021-02-24
<input type="checkbox"/> PT01	48		●	PT03	10:00:00	2021-02-24
<input checked="" type="checkbox"/> PT03	48	<div></div>	●	PT02	09:30:00	2021-02-24
<input type="checkbox"/> PT04	48		●	PT03	09:30:00	2021-02-24



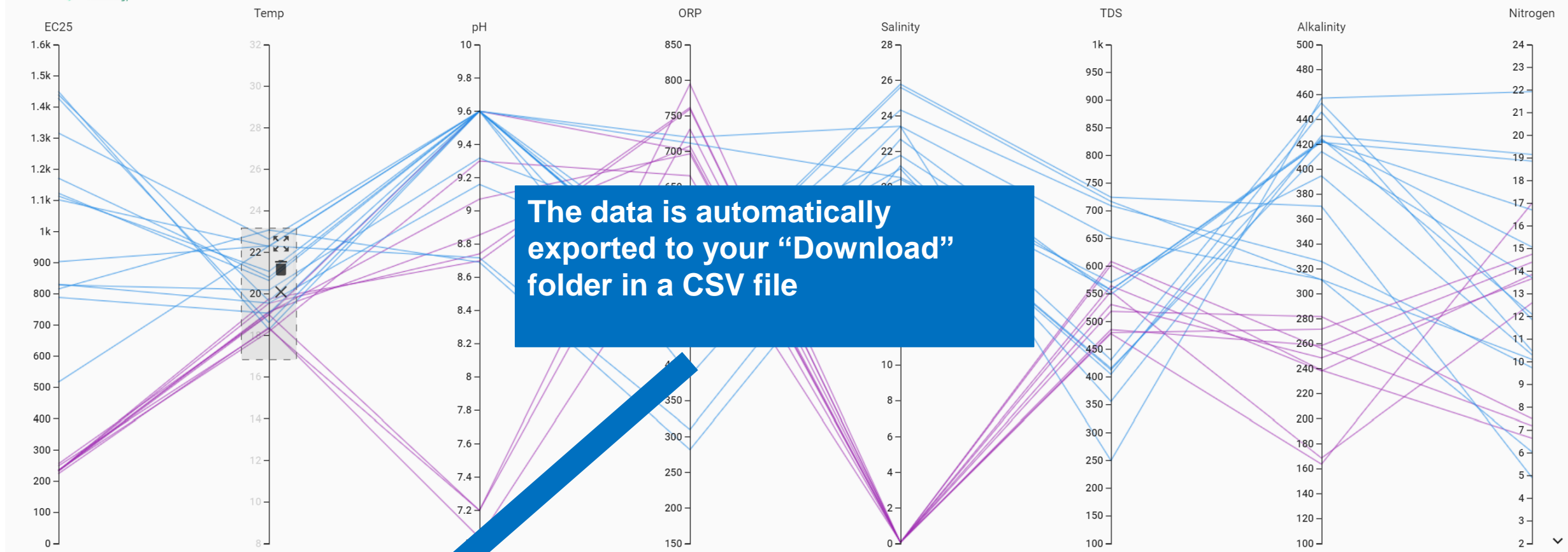


Groups			96 samples				
Name	Samples		Sensor	Time	Date	Events	
<input checked="" type="checkbox"/> River	96		PT02	11:00:00	2021-02-24		
<input type="checkbox"/> PT01	48		PT03	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT02	48		PT02	10:30:00	2021-02-24		
<input type="checkbox"/> Buildings	96		PT03	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> Downtown	144		PT02	10:00:00	2021-02-24		
<input type="checkbox"/> PT01	48		PT03	10:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48		PT02	09:30:00	2021-02-24		
<input type="checkbox"/> PT04	48		PT03	09:30:00	2021-02-24		



Groups			96 samples				
Name	Samples		Sensor	Time	Date	Events	
<input checked="" type="checkbox"/> River	96	<div></div>	<div></div> PT02	11:00:00	2021-02-24		
<input type="checkbox"/> PT01	48		<div></div> PT03	11:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT02	48	<div></div>	<div></div> PT02	10:30:00	2021-02-24		
<input type="checkbox"/> Buildings	96		<div></div> PT03	10:30:00	2021-02-24		
<input checked="" type="checkbox"/> Downtown	144	<div></div>	<div></div> PT02	10:00:00	2021-02-24		
<input type="checkbox"/> PT01	48		<div></div> PT03	10:00:00	2021-02-24		
<input checked="" type="checkbox"/> PT03	48	<div></div>	<div></div> PT02	09:30:00	2021-02-24		
<input type="checkbox"/> PT04	48		<div></div> PT03	09:30:00	2021-02-24		





### Groups

Name	Samples	96 samples	Sensor	Time	Date	Events
<input checked="" type="checkbox"/> River	96	<div><div></div></div>	PT02	11:00:00	2021-02-24	
<input type="checkbox"/> PT01	48	<div><div></div></div>	PT03	11:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT02	48	<div><div></div></div>	PT02	10:30:00	2021-02-24	
<input type="checkbox"/> Buildings	96	<div><div></div></div>	PT03	10:30:00	2021-02-24	
<input checked="" type="checkbox"/> Downtown	144	<div><div></div></div>	PT02	10:00:00	2021-02-24	
<input type="checkbox"/> PT01	48	<div><div></div></div>	PT03	10:00:00	2021-02-24	
<input checked="" type="checkbox"/> PT03	48	<div><div></div></div>	PT02	09:30:00	2021-02-24	
<input type="checkbox"/> PT04	48	<div><div></div></div>	PT03	09:30:00	2021-02-24	

A1																				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Sample ID	Date	Time	Group	Sensor	EC25	Temperatu	pH	ORP	Salinity	TDS	Alkalinity	Nitrogen	Alarms						
2	198517	14/02/2021	23:30:00	River	PT01	708.5164	27.31543	7.421368	822.7212	24.39716	327.027	259.7192	9.949608							
3	743729	14/02/2021	23:30:00	River	PT02	1418.25	25.11819	8.4	702.0787	26.7208	764.5703	346.4896	8.130849							
4	250485	14/02/2021	23:30:00	Buildings	PT03	248.0668	13.69187	7.477317	615.1822	0.066667	775.5999	138.8814	22.52963							
5	927093	14/02/2021	23:30:00	Buildings	PT04	150.6355	21.51439	8.4	726.4347	0.120416	453.6376	198.776	20.67026							
6	135561	14/02/2021	23:00:00	River	PT01	581.7259	22.26693	7.393926	782.1628	24.4091	273.6906	215.0245	14.59948							
7	517701	14/02/2021	23:00:00	River	PT02	1230.795	22.81205	8.4	556.6004	25.74665	569.5994	320.1169	9.48918							
8	722980	14/02/2021	23:00:00	Buildings	PT03	216.9765	20.68509	8.34444	546.651	0.066667	798.3606	159.3254	22.2954							
9	282181	14/02/2021	23:00:00	Buildings	PT04	155.6983	21.50961	8.4	645.0174	0.115687	457.3905	187.8747	19.64673							
10	646597	14/02/2021	22:30:00	River	PT01	532.5357	20.97072	7.161483	754.9639	24.60841	198.7539	196.058	13.41109							
11	293121	14/02/2021	22:30:00	River	PT02	804.1547	19.88228	8.4	566.184	24.67248	397.4352	269.6017	12.97028							
12	700810	14/02/2021	22:30:00	Buildings	PT03	200.1306	23.35898	8.86851	361.8748	0.066667	674.1817	156.2819	21.91816							
13	631927	14/02/2021	22:30:00	Buildings	PT04	176.7569	17.75829	8.4	625.1674	0.10031	471.1691	187.1428	14.17904							
14	280601	14/02/2021	22:00:00	River	PT01	435.9091	16.7028	7.228149	767.3616	25.07139	283.3328	189.2925	23.27736							
15	128485	14/02/2021	22:00:00	River	PT02	291.0426	20.30223	8.4	560.7705	23.93268	292.2227	224.8876	10.93072							
16	990928	14/02/2021	22:00:00	Buildings	PT03	171.3719	23.33294	8.518971	297.2582	0.066667	319.0304	200.1778	21.86781							
17	658381	14/02/2021	22:00:00	Buildings	PT04	176.0033	12.50302	8.4	612.4821	0.110744	477.6574	157.3524	9.389148							
18	235857	14/02/2021	21:30:00	River	PT01	212.7963	8.179925	7.258044	718.3377	25.00179	147.0514	180.4952	15.52131							
19	111005	14/02/2021	21:30:00	River	PT02	635.2425	21.26916	8.4	528.9996	23.5149	204.3011	262.4162	17.71542							
20	591373	14/02/2021	21:30:00	Buildings	PT03	195.8812	28.28616	9.153494	322.1434	0.066667	226.1862	193.6157	21.92448							
21	647514	14/02/2021	21:30:00	Buildings	PT04	185.7736	15.98787	8.4	645.1709	0.070643	464.4518	174.7103	4.531453							
22	34548	14/02/2021	21:00:00	River	PT01	250	12	7	700	25.3	125	93.75	24.5							
23	690747	14/02/2021	21:00:00	River	PT02	241	17	8.4	318	20.9	120.5	148.5	18							
24	405530	14/02/2021	21:00:00	Buildings	PT03	168.3	30	9.6	191	0.066667	230	204.6	21.6							
25	164757	14/02/2021	21:00:00	Buildings	PT04	235.4	11	8.4	513	0.066667	478.5	152.9	8.4							
26	512852	14/02/2021	20:30:00	River	PT01	250	12	7	700	24.69543	125	93.75	24.25516							
27	501045	14/02/2021	20:30:00	River	PT02	546.8873	17.22747	8.629008	320.4878	21.05325	256.1791	167.9114	16.01162							
28	558406	14/02/2021	20:30:00	Buildings	PT03	180.4752	30	9.6	225.3052	0.066667	278.555	215.9894	20.16667							
29	685809	14/02/2021	20:30:00	Buildings	PT04	225.4891	11.09299	8.4	517.7766	0.075139	509.9041	173.9199	8.102152							
30	414506	14/02/2021	20:00:00	River	PT01	250	12	7	700	24.49731	125	93.75	24.05416							
31	44652	14/02/2021	20:00:00	River	PT02	873.8261	17.43359	8.867626	326.5749	21.30706	505.5144	200.7459	11.17764							
32	586870	14/02/2021	20:00:00	Buildings	PT03	177.3822	30	9.6	272.5623	0.066667	309.4346	237.8237	18.51125							
33	137734	14/02/2021	20:00:00	Buildings	PT04	213.0656	11.33145	8.4	521.473	0.089178	571.8367	197.2004	8.093447							
34	730336	14/02/2021	19:30:00	River	PT01	250	12	7	700	24.18565	125	93.75	24.00875							
35	803527	14/02/2021	19:30:00	River	PT02	887.8976	17.67406	8.819057	322.5255	21.63615	575.6861	194.6779	12.79729							
36	133624	14/02/2021	19:30:00	Buildings	PT03	184.4897	30	9.6	446.6285	0.066667	294.9641	224.8297	19.43732							
37	238715	14/02/2021	19:30:00	Buildings	PT04	216.5565	11.57279	8.4	537.7732	0.090261	552.6054	203.6681	7.642874							



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