TIMEZERO NAVIGATOR V4

New Features

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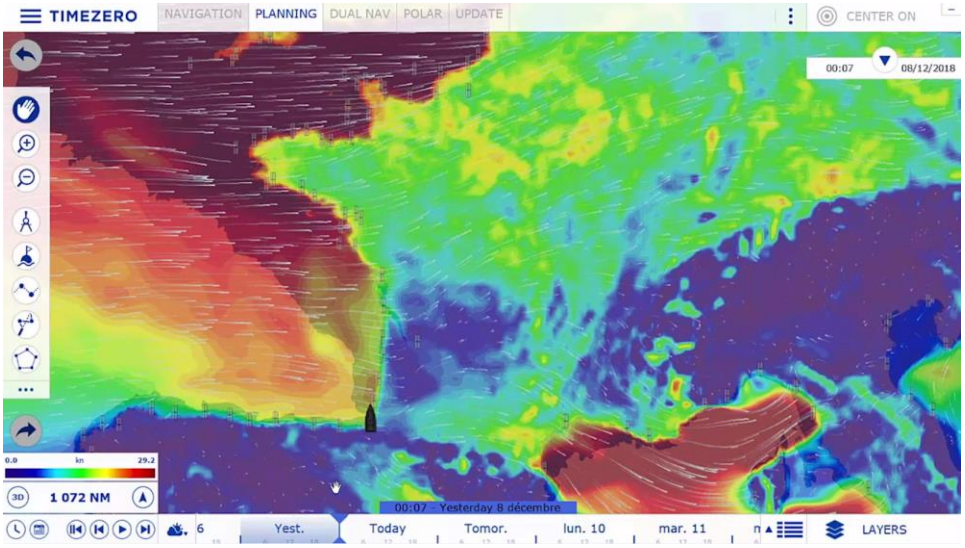
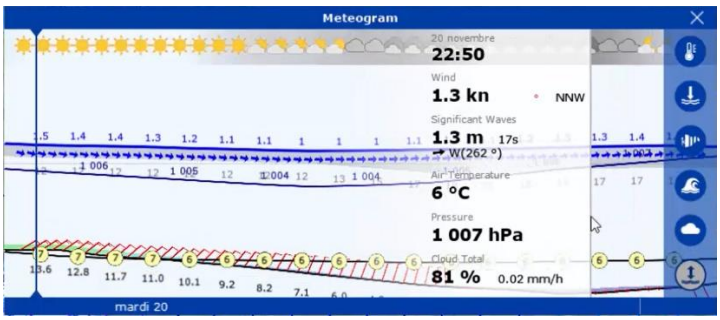
Display and Resolution Improvement

TZ Navigator doubles the display resolution of free weather forecasts (GFS model with a resolution of 0.25 degree) and offers a new and innovative weather presentation using particle animation. It is now very easy to visualize the "flow" of weather conditions such as wind, currents and waves.



TZ Navigator v4 also introduces a new "Meteogram" window that allows users to view a graphical presentation of one or more meteorological variables with respect to time at a particular location:



The Meteogram can be very useful when it comes to seeing the evolution of weather at a specific point and determine the best departure or arrival time.

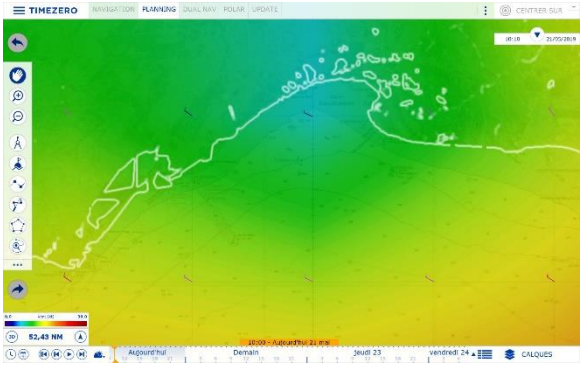
The Meteogram can also be displayed along a route. The route projected speed and ETA will be used to show the various conditions that you will encounter along your journey.

Premium Weather Service

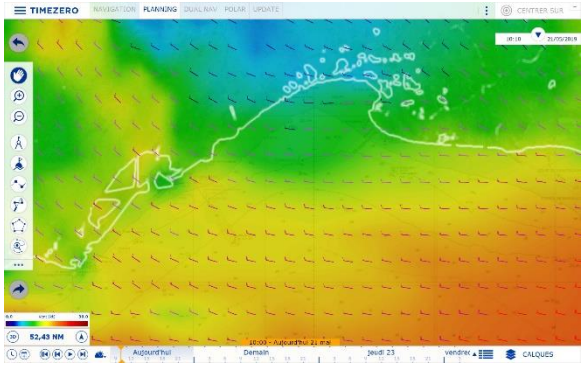
In addition to the free weather forecasts that we have been providing for years, TZ Navigator v4 introduces a new premium weather service that will provide higher display resolution. The Arpege model offers European coverage with a range of up to 10 kilometers and up to 4 days of forecast. The Arome model offers coverage of French coasts and bordering countries and has a range of up to 1 kilometer and up to 2 days of forecast. 3 wave models are also available!

You can see the added value of Premium Weather Service below:

Free weather forecast service



Premium weather forecast service



Routing

Our group, created in 1985, began its adventure by developing the first computer solution for ocean racing. The first prototype of our software was tested on board of "Crédit Agricole" in 1985 and very quickly it was adopted by Philippe Poupon and Eric Tabarly, two renown French navigators. After this, the "MACSEA" software became, over time, a reference in the domain of professional competitive sailing.

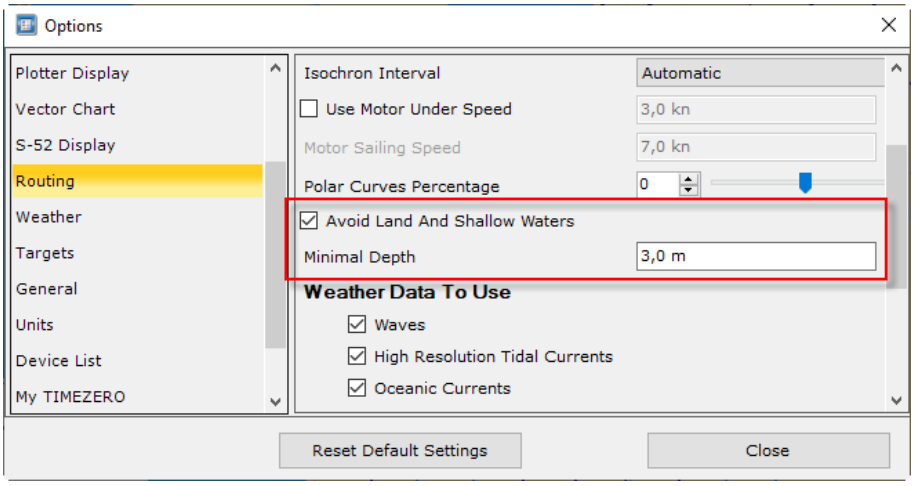
Our brand-new routing module is the result of almost 35 years of innovation while keeping one objective in mind: Making the use of the most advanced technologies accessible to all in order to guarantee maximum security on board.

Automatically Avoid Land

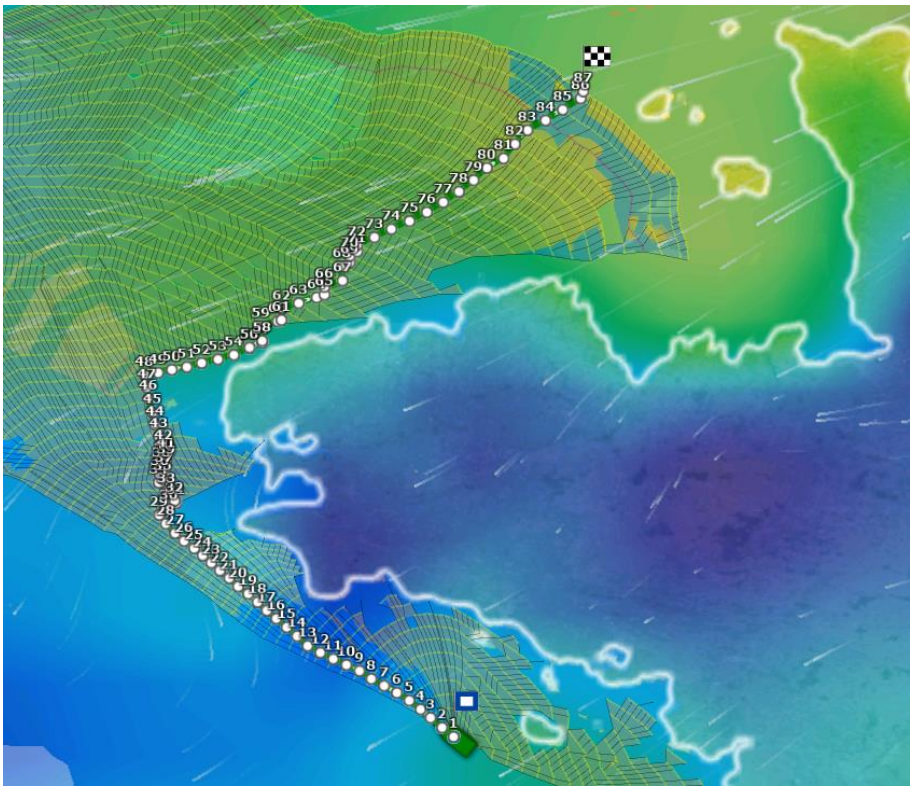
Our new routing algorithm automatically avoids the coast.

Avoid land Settings

- Checked by default
- Minimal Depth can be changed



So that the best route is accessible in just two clicks: one on your starting point and one on your destination.

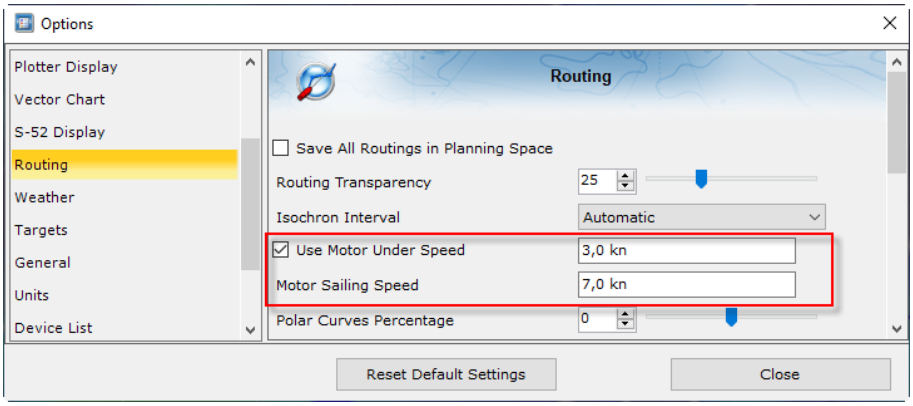


Mixed Sail/Motor Routing

TZ Navigator v4 can now do mixed sail/motor routing.

- Not Checked by default
- Minimal Speed can be changed

For example: If your theoretical speed is below 3 knots, the new routing module will change the color of your route, letting you know that you need to switch to your motor. Your theoretical speed will then be of 7 knots.



- On chart underlined in black

- And Motor indication is also available in the Sailset column of the route details.

Leg To...	Name	HTS	Speed	SailSet	ETA	TTG	Total TTG
19		53,2 °M	4,80 kn	GV / LightReaching	10:28:11 jeudi 23 mai 2019	1h00'	16h00'
20		94,9 °M	7,00 kn	Motor / Motor	11:28:11 jeudi 23 mai 2019	1h00'	17h00'
21		86,2 °M	6,77 kn	Motor / Motor	12:28:11 jeudi 23 mai 2019	1h00'	18h00'
22		90,6 °M	7,00 kn	Motor / Motor	13:28:11 jeudi 23 mai 2019	1h00'	19h00'

TZ Cloud & Local Synchronization

Cloud Synchronization

All user objects (Marks, Routes, Boundaries and Photos) can be automatically synchronized to the TZ Cloud (when Internet is available). TZ Cloud is a secure and personal storage space linked to your MyTIMEZERO account which is the perfect solution to avoid loss of navigation data but also allows you to synchronize data with your other TIMEZERO platforms.

TZ Cloud synchronization allows several TIMEZERO software or other TIMEZERO compatible platforms (for example, TZ iBoat for iPad) to automatically share data through the Internet. The data can also be consulted from your MyTIMEZERO account.

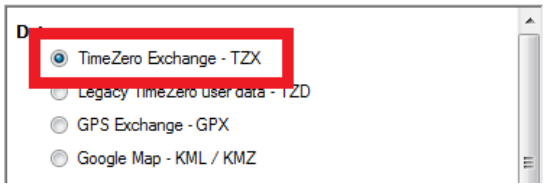
Note: User Data is kept confidential and is NOT shared with any other users.

Local Synchronization

The synchronization feature can also be executed through a local network. Create and activate your route from the PC inside your boat and it'll appear automatically on your TZ iBoat app outside! Sharing data between TIMEZERO platforms has never been easier!

New TZX exchange format

TZ Navigator v4 introduces a new file format to import/export User Objects and Tracks data:

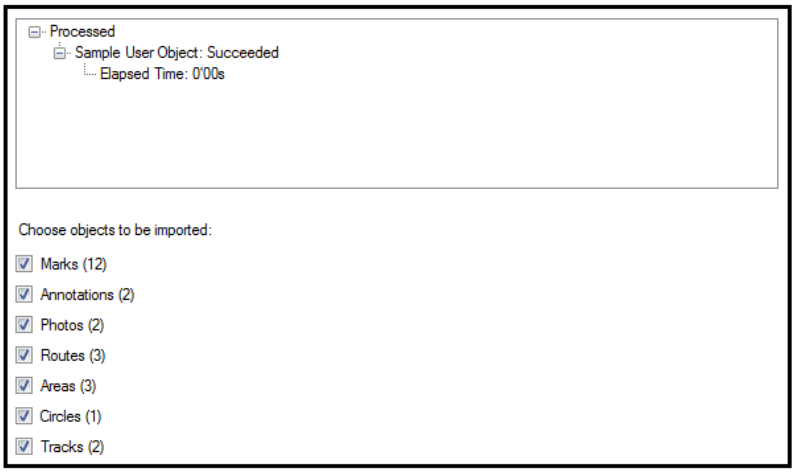


This new format was designed to handle more data and provides faster import/export.

Note: The older TZD file format is still supported in TZ Navigator v4.

Filters

The Import Wizard has been improved allowing you to view and select the type of objects before you import them in your database:



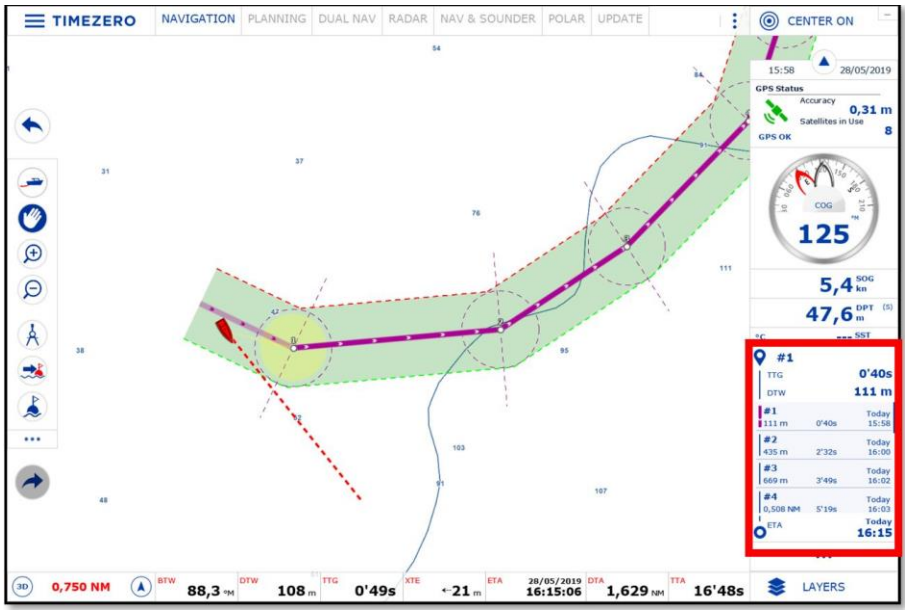
KML/KMZ Import improvements

TZ Navigator can now import areas and lines created in the KML (or KMZ) format:

Note: Lines inside the KML file are no longer imported as routes. They are now imported as lines. To import routes in TZ Navigator, make sure to use another import format such as the new TZX, TZD or GPX.

New Active Route NavData

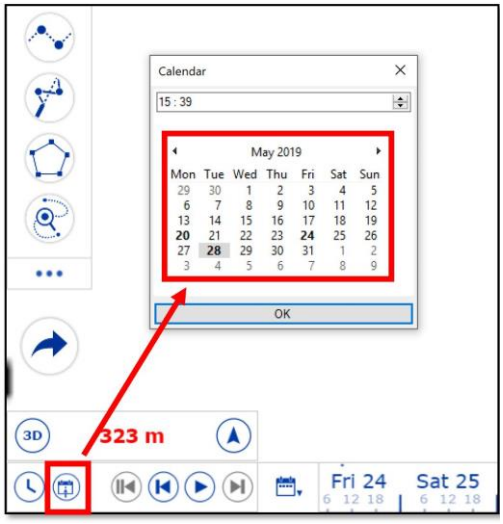
A new Active Route NavData can be added to the NavData side panel. This new type of NavData adapts its size to automatically fill the remaining space of the side panel. When a route is activated, it displays Distance, Time To Go and Estimated Time of Arrival of each waypoint:

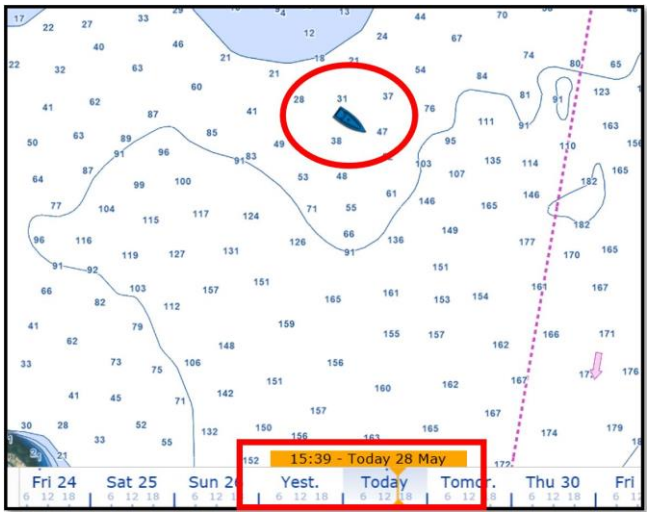


If the route contains many waypoints that do not fit inside the NavData panel, it is possible to scroll the content of the NavData to look at future waypoint information. Note that the last waypoint (the arrival) will always be visible at the bottom of the NavData.

New Logbook & Track Recall

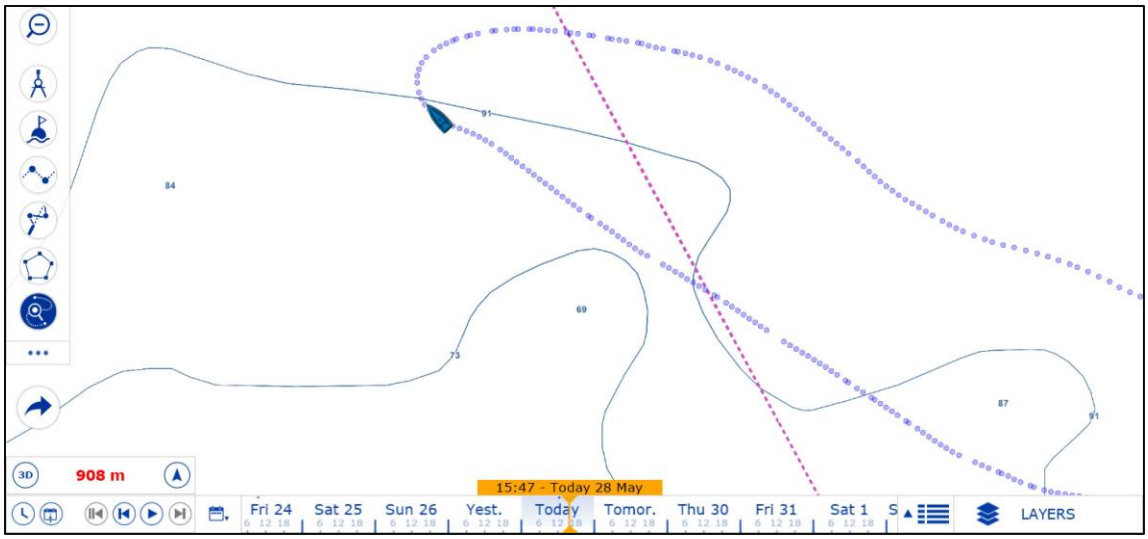
TZ Navigator v4 is introducing a new way to replay your voyages. All your trips are now being automatically saved as soon as TIMEZERO receives a valid GPS position inside a new Logbook database. Trips can be replayed from the "Planning" workspace by selecting the appropriate date/time in the Timeline. In addition, it is possible to click on the calendar icon to open a window that lets you pick a day. Any days that contain trip data will be highlighted in bold making it easy to retrieve your trips. The time bar will also display a blue line indication where trip data is available. A blue boat icon will be displayed on the chart marking the location at that time:



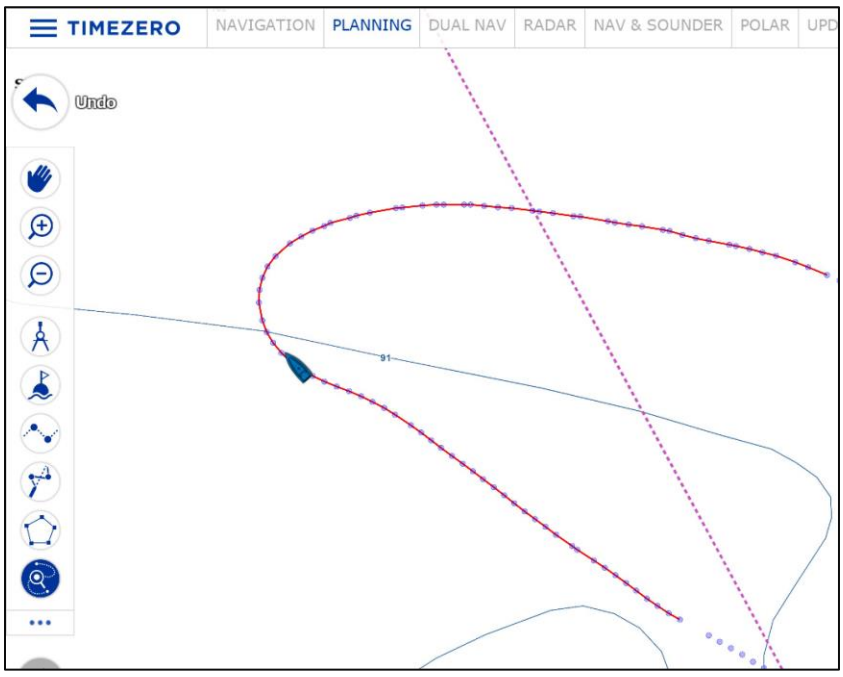


You can click on the blue boat icon (replay boat) to access the data that was recorded at that time (wind, speed, depth, etc…).

If you want to recall a track, you can use the new "Recall Track" tool. When selected, all the positions available in the logbook database will be displayed on the map (in blue) for the date range selected on the Time Bar:



You can then click on a first point to set the beginning of the track and click a second time to set the end. TIMEZERO will then create a track automatically:



This feature is useful if you forgot to record the track during a trip.

NMEA2000 Pilot Output

TZ Navigator v4 is now able to output native NMEA2000 PGN pilot sentences (PGN 129283, 129284, and 129285) with the Actisense NGT-1 USB gateway.

The NMEA2000 PGN output can be enabled from the last page of the Connection Wizard when the NGT-1 has been detected by TZ Navigator.

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