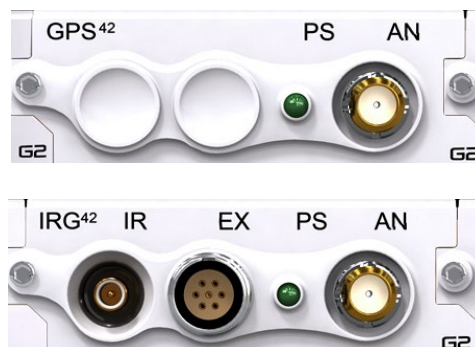


## GPS

This tip will present how to measure and display GPS information.

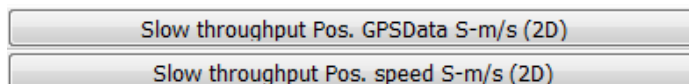
### 1. INTRODUCTION

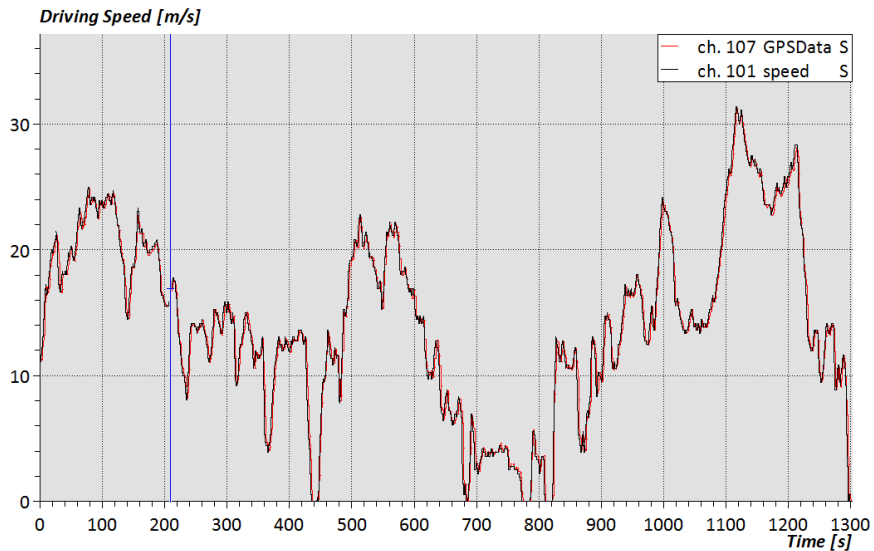
The GPS data (« Global Positioning System ») can be measured by two different modules: GPS and IRIG.



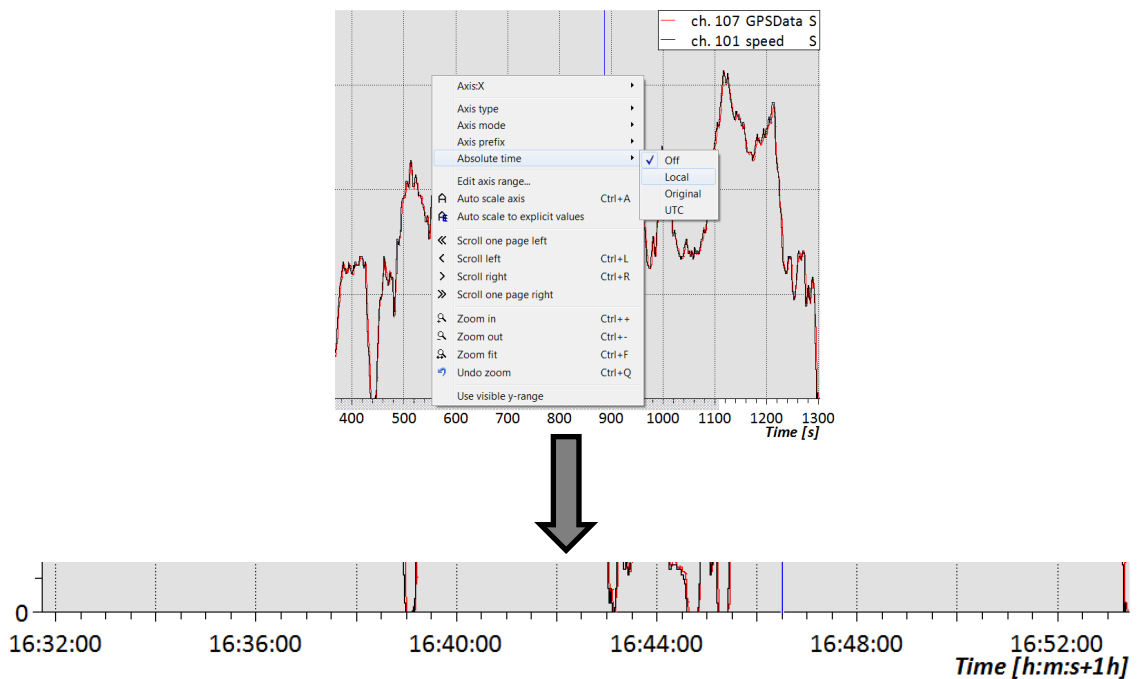
### 2. GRAPHIC

The GPS speed channel can be displayed as a normal PAK channel. We select it in the graphic definition and we are able to compare it with the “normal” measured speed channel.



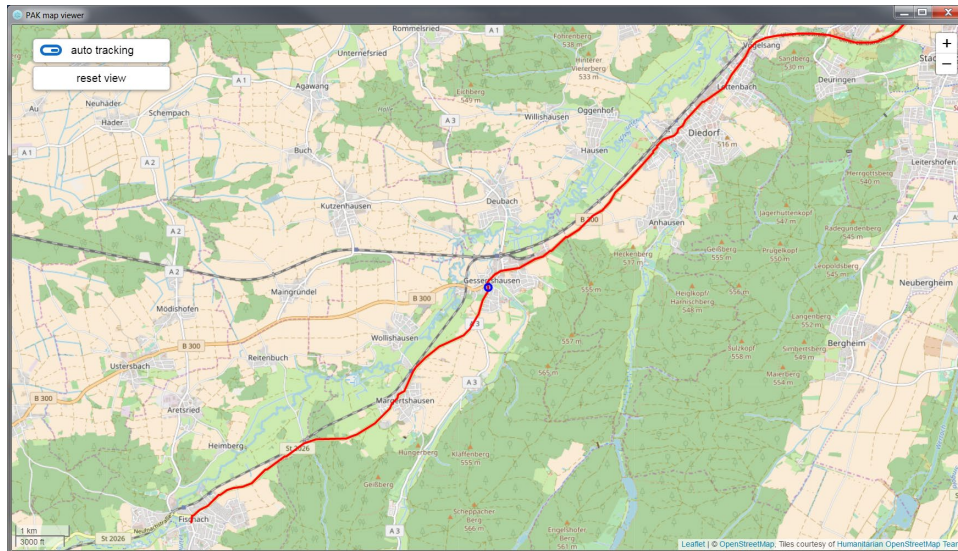


The X axis can be changed to display the GPS time information. Do a right click on this axis and select « Absolute time ».



When we use one measurement with GPS information, the following icon  is available.

This icon allow us to open the PAK map viewer (since PAK5.10). A map is displayed where we can see the position during the all measurement. A link is automaically created between the map and the Graphic viewer.



### 3. SYNCHRONIZATION

GPS and IRIG G2 modules allow the synchronization of numerous channels over multiple mainframes. Each mainframe must contain one module an be connected on the same network (for example Wlan). It can be particularly useful when cabling is difficult or/and when systems are placed on large distance.

There is no limit to the number of synchronized mainframes a GPS and IRIG cluster can contain.

#### PREVIEW

In the next March issue of your PAK Tip: « **Order calculation and display** ».

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