Phases

Phases in Analyzer in Moving window and areas:

Phases are used to generate a TRUE/FALSE result in the Analyzer with the help of different, self-configurable conditions, which can be used for optical marking. In addition, [ALT + →] and [ALT + ←] can be used to jump back and forth between phases, e.g., to compare channel values quickly and easily.

Furthermore, it is very useful to use phase to quickly analyze ECU error bits.

If *Phase definition* is pressed under *Measurement* in the Analyzer, a phase configuration window opens (see Phases configuration window)

Further Information
Instead of opening *Measurment* tab and click on *Phases definition* also shortcut [SHIFT]+[P] can be used in *Analyzer*!
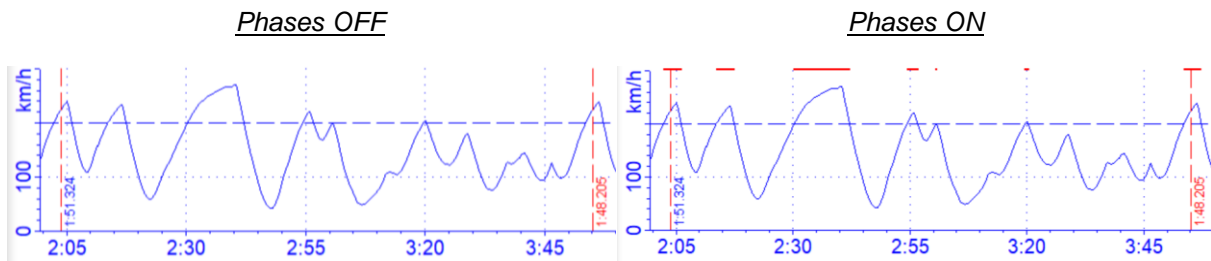
The phases for moving window and areas are switched on and off via *Measurement -> Show phases*.

Further Information
Instead of opening *Measurment* tab and click on *Phases* to acitvate phases, also shortcut [P] can be used in *Analyzer*!

Phase condition: V_GPS > 200 km/h:

Phases OFF   *Phases ON*

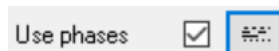**Red Phase active lines are also shown in Overview window!**

Important information
Since WinARace 2022 the phases conditions settings can be saved in currently used template!

Phases in Plots, Exports, MinMax, …:

Besides using phases for quick data overview, they can be also used in many other functions of the Analyzer, such as *Export*, *MinMax tables*, *X-Y plots*, *histograms* to only use/visualize a defined set of measurement data for the functions!

If phases are activated in the *Analyzer* functions via tick-box, the phases configuration window can be opened via phases button beside the tick-box:
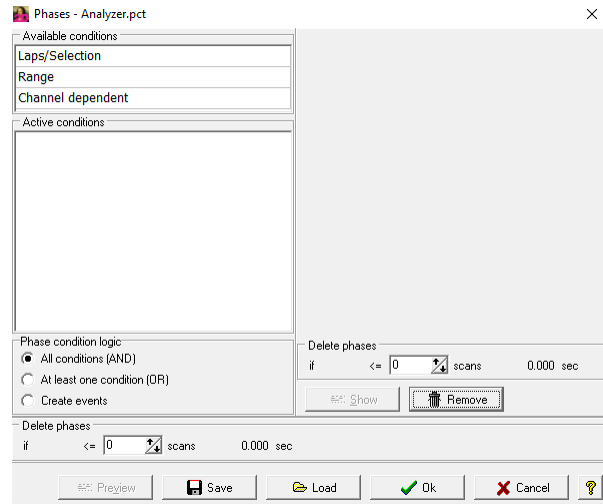
Phases configuration window:

ⓘ Further Information
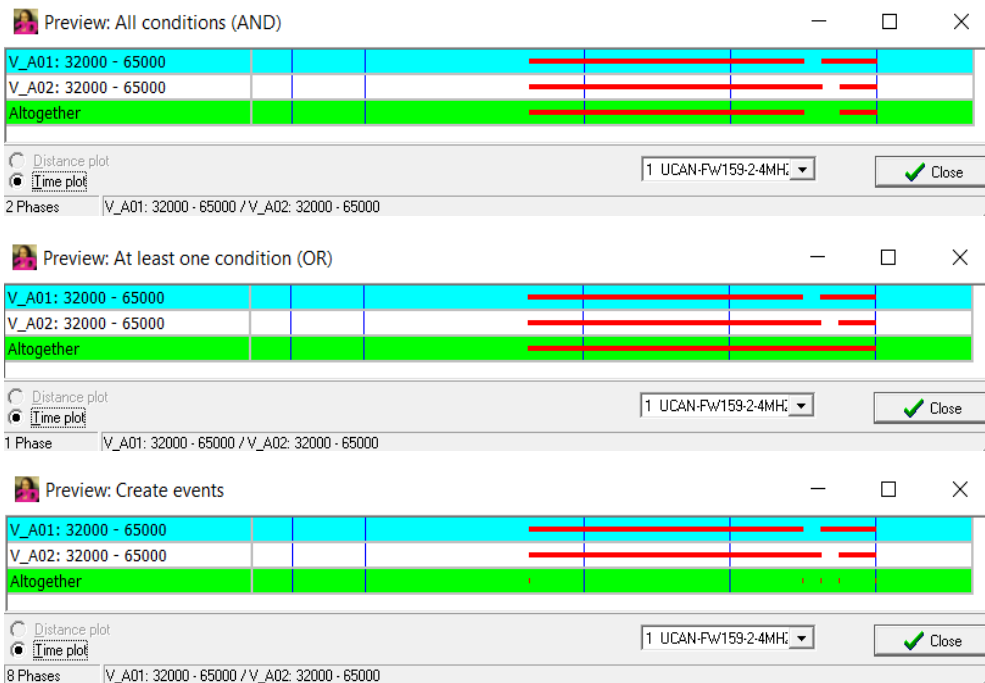Phases configuration window is same for Analyzer and Analyzers functions!

Under *Available conditions*, various conditions are available, which are added to the *Active conditions* by double-clicking. If you click on a condition in the *Active condition* area, the respective condition can be set in the right part of the window. Of course, more than one condition can be added to the active conditions.

The respective linking of the active conditions takes place in the *Phase condition logic* part, in which it is decided according to which method (AND, OR or event-based) the active conditions are to be linked. Only one type of link can be selected here!

Furthermore, *Delete phases* can be used to enter a time from the start of the measurement for either one phase (in the right-hand window) or for the result of all phases (in the lower part of the configuration window) for which the phase or the result is FALSE.

The button *Preview* can be used to open the preview window, which explains the various conditions:

By clicking on okay the respective phases configuration is saved!