



## How is the TUD calculated?

We assume that the boat can sail upwind with the ability to realize the same true wind angle on each tack. The boat is also assumed to sail at its best, with its correct tacking angle for the conditions of the day.

The TUD, True Upwind Direction is the medium direction between the courses recorded on each tack, starboard and port.

In order to calculate the TUD your system needs to know your tacking angle and have the wind direction as a reference. There are two ways of setting these values:

- You can record your course on one tack, then on the other tack following the procedure of your system. After this, the SC200 will be able to calculate automatically the TUD and your true tacking angle.
- You can also directly enter the direction of the wind and the tacking angle by entering their numerical value.

Once these values are set, your SC200 is able to know, if you are sailing upwind or downwind and if you are on starboard or port. It will use these infos to calculate your TUD.

Note: The TUD calculated takes into account the current as it is calculated from COG (Course Over Ground) data.

If the wind direction shows variations over 90°, you will need to readjust the wind direction used as a reference in order to get a correct TUD reading.

