

SPEED AND DISTANCE CHARTS FOR THE OLYMPIC CLASSES 2024

CLASSES

[ILCA 7](#)
[470 Mixed](#)
[49er](#)

[ILCA 6](#)
[Nacra 17](#)
[49erFX Women](#)

COURSE CONFIGURATIONS (standard Olympic courses)

Windward / Leeward with Downwind Finish (L2, L3, L4)
Trapezoid (O2 is 1, 2, 3 gate, 2, 3, finish)

DATA COLLECTION SHEETS

[Windward / Leeward -Landscape](#)
[Trapezoid - Landscape](#)

These charts have been developed to assist Race Officers in setting courses of the correct length to achieve target times as closely as possible. However, they are only a guide and do not take account of tide or difficult sea conditions. It is assumed that the standard Olympic courses are used and set up using the “reference point” system with the reach leg at two thirds of the windward leg length and the final reach of 0.15 nm.

These charts will be particularly helpful to Race Officers who are unused to running races for a particular class as can happen when medal races are required. Race Officers experienced in a particular class may find the charts of less help.

Further data from Regattas will help to refine this and feedback is always welcome.

The difficulties of producing these charts is increased for classes such as 49ers, 49erFX and Nacra 17 where the hull moves into a planing or foiling mode between 6 and 10 knots with the corresponding increase in speed.

Each chart has a highlighted time and distance to emphasise the target time + and - either 5% or 7.5%, depending on the speed of the boat, these will adjust automatically if the target time is changed. Included in the pack are two data collection sheets which can be used to check or adjust speeds included in the charts. By going to the overall speeds page any amendment of speed, measured in minutes per mile, will automatically update the relevant speed chart. If you have good speed data on a particular chart please let me know so that we can update the master sheets.

Please contact me if you have queries, comments or any update information.

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