



Handicap scoring for the racing sailor

Overview

PHRFscr	Boat 1 Wins!
System: ▼ PHRF-Time on Time	
TCF: A=650 B=450	
B1 Elapsed: 00:30:00	
B1 Rating: 60	
B2 Elapsed: 00:33:00	
B2 Rating: 64	
: Boat 1: Boat 2	
Corrected: 00:18:00 00:21:07	
Result: 00:03:07 -----	
Exit	Calc ?

PHRF Score calculates the corrected time for 2 boats at a time, features:

- very easy to use
- shows corrected time for both boats
- shows the corrected delta
- supports multiple handicapping systems

Current Rating Systems

- PHRF Time on Distance (TOD)
- PHRF Time on Time (TOT)
- Portsmouth
- more to come!



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Installation

Minimum requirements:

- Palm OS 3.5
- 16 bit Color or GrayScale
- 586KB free memory for Java®
- 60KB free memory for WindComp (646 total, if Java is not installed)
- note: Java only has to be installed once*



1 If Java® is **not** installed on your palm you must install this first. Java is available free of charge and can be downloaded from Sun Microsystems web site at:

"<http://java.sun.com/products/midp4palm/download.html>"

2 Unzip PHRFscr.zip. Two files will be uncompressed PHRFscr.prc and readme.txt. Read readme.txt for any specific last minutes instructions.

3 Use the palm install tool to install PHRFscr.prc.

If upgrading, there is no requirement to delete the previous version.



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User Guide 1

Basic Steps:

- 1) Select Handicap system**
- 2) Enter elapsed time and handicap rating for boat 1.**
- 3) Enter elapsed time and handicap rating for boat 2.**
- 4) press "CALC"**

A screenshot of the PHRFscr application window. The title bar says "PHRFscr" and "Boat 1 Wins". The "System:" dropdown menu is open, showing "Portsmouth" selected. The "TCF:" dropdown menu is also open, showing "PHRF-Time on Dist" selected. The "B1 Elapsed:" field is highlighted with a blue selection bar, showing "PHRF-Time on Time". The "B1 Rating:" field shows "60". The "B2 Elapsed:" field shows "00:33:00". The "B2 Rating:" field shows "64". The "Corrected:" field shows "00:18:00 00:21:07". The "Result:" field shows "00:03:07 -----". At the bottom are buttons for "Exit", "Calc", and "?".

1) Select Handicap system

A screenshot of the PHRFscr application window. The title bar says "PHRFscr" and "Boat 1 Wins!". The "System:" dropdown menu is set to "PHRF-Time on Time". The "TCF:" field shows "A=650 B=450". The "B1 Elapsed:" field shows "00:30:00". The "B1 Rating:" field shows "60". The "B2 Elapsed:" field shows "00:33:00". The "B2 Rating:" field shows "64". The "Corrected:" field shows "00:18:00 00:21:07". The "Result:" field shows "00:03:07 -----". At the bottom are buttons for "Exit", "Calc", and "?".

2) Enter the elapsed times and rating for each boat. The corrected times and delta (result) are displayed.



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Handicap Formulas

Portsmouth

The Portsmouth system is a time-on-time system.

Corrected Time = Elapsed Time * (Rating / 100)

Note: Some PHRF divisions use this formula.

PHRF Time on Distance

The basic time-on-distance formula is:

Corrected Time = Elapsed Time - (Distance* Rating)

PHRF Time on Time

Corrected Time = Elapsed Time * A-(B+Rating)

A is assigned by the race committee, the most commonly assigned A factor is 650

B is assigned by the race committee

480 Heavy air or all off the wind

550 "Average" conditions

650 Very light air or all windward work

Please contact support@oceanpilot.com for addition handicap formulas.