



Windspeed & Upwash Calibrations

Complete your boatspeed calibration first, because this calibration is related to it.

- Check that QuikCal is set to zero (tag e).
- Get warmed up by sailing upwind and rechecking your work on the boatspeed and apparent wind angle offsets. Besides confirming your previous efforts, this exercise will hone your senses for the real excitement.
- Then tack or jibe back and forth at the appropriate apparent wind angle. The important idea here is to steady the course of the boat down once you are close to the required apparent wind angle. The wind angle is not as important as good data achieved by a steady compass heading.
- On you feel that the Wind Direction has settled in, record the data. Then tack or jibe over to the other board, and reestablish a steady course.
- With plenty of Wind Direction data, at least 6 to 8 sets, you can calculate the change in the calibration.
- Finally, sail back upwind using the same care to develop symmetry in sail settings and steering technique. Concentrate on "groove" sailing, not "scaloping", to enhance your data collection.

CAL Windspeed Worksheet If Headed Downwind, Cal AW Speed Down!

	Stbd jibe	Port jibe	Example	
Sail downwind at apparent wind angles of about 90°.	_____	_____	<u>230</u>	<u>220</u>
Record Wind Direction on both jibes.	_____	_____	<u>231</u>	<u>221</u>
	_____	_____	<u>230</u>	<u>220</u>
	_____	_____	<u>232</u>	<u>222</u>
	_____	_____	<u>231</u>	<u>221</u>
Average Wind Direction	a _____	b _____	<u>231</u>	<u>221</u>
Wind Direction Difference	a-b = c _____			<u>10</u>
Change to Cal Windspeed reading	(0.0125•c)+1=d _____			<u>1.125</u>
Present Cal Windspeed reading:			e _____	<u>1.02</u>
Set new Cal Windspeed reading:			f _____	<u>1.15</u>

CAL Upwash Worksheet
If Headed Upwind, Cal Upwash Up

Example

	Stbd tack	Port tack	Stbd	Port
Sail upwind and record Wind Direction on both tacks.	_____	_____	<u>230</u>	<u>220</u>
	_____	_____	<u>231</u>	<u>221</u>
	_____	_____	<u>230</u>	<u>220</u>
	_____	_____	<u>232</u>	<u>222</u>
	<u>_____</u>	_____	<u>231</u>	<u>221</u>
Average Wind Direction	a _____	b _____	<u>231</u>	<u>221</u>
Wind Direction Difference	a-b = c _____			<u>10</u>
Change to Cal Upwash reading	-0.3•c = d _____			<u>-3.0</u>
Present Cal Upwash reading:	e _____			<u>+0.5</u>
Set new Cal Upwash reading:	d+e = f _____			<u>-2.5</u>