

Getting started with TEOS-10 and the Gibbs Seawater (GSW) Oceanographic Toolbox version 3.05

Trevor J. McDougall¹ and Paul M. Barker¹

May 2011, updated May 2015 with the release of version 3.05

Table of Contents

	page
1. Preamble	2
2. Installing the GSW Oceanographic Toolbox in MATLAB	4
3. Absolute Salinity S_A	5
4. Preformed Salinity S_*	8
5. Conservative Temperature Θ	10
6. Which types of salinity and temperature should be archived?	12
7. The 75-term expression $\hat{v}(S_A, \Theta, p)$ for specific volume	13
8. Changes to oceanographic practice under TEOS-10	18
9. Ocean modelling using TEOS-10	19
10. A guide to the GSW Oceanographic Toolbox	21
11. References	24
12. Recommended nomenclature, symbols and units in oceanography. 26	

¹School of Mathematics and Statistics, University of New South Wales, Sydney, Australia
email: Trevor.McDougall@unsw.edu.au