

Interactive comment on “About uncertainties in practical salinity calculations” by M. Le Menn

Anonymous Referee #2

Received and published: 9 June 2011

This is a valuable contribution to an area of importance to all physical and chemical oceanographers, and constitutes an in-depth analysis of uncertainties for an critical oceanographic parameter. The manuscript should be published with some minor (but none-the-less necessary) improvements. The first anonymous reviewer has addressed all of my concerns about the initial version of the manuscript. I do have one request: that a sentence or two be added defending and explaining the assertion that the correlation coefficient in equation (5) can be assumed to 1. On another matter, the reasoning in the paragraph following equation (13) that leads to an assumption of a rectangular pdf in the u_{sb} is not obvious to me. Please explain

The discussion, although fundamentally sound is marred by numerous grammatical errors that detract from its clarity. As a reviewer I would strongly advise the author to have the manuscript corrected by a native English speaker. There are numerous examples throughout the paper (e.g., the over-use of "which") and the inappropriate

C1203

use of prepositions (e.g., "depends of"). There are other phrases, e.g., "function is affected to each input", "to loose a lot", and "non-unicities of scale" that force the reader to puzzle over the real intent of the author.

Interactive comment on Ocean Sci. Discuss., 6, 2461, 2009.