

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

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The sentence: ‘Conductivity is dependent to more than 80 % of temperature so,  $G(t)$  and  $Gst(t)$  are strongly dependent on the stability of the cell temperature’, can be modified in this way to satisfy your justified remark: ‘Electrical conductivity signal is a function of salinity, temperature and pressure, but, under typical conditions it is admitted (see R.G. Lueck, 1990) that the variations of this signal are dominated by temperature to about or at least 80 % so,  $G(t)$  and  $Gst(t)$  are strongly dependent on the stability of the cell temperature.’

The reference: Lueck R. G., ‘Thermal inertia of conductivity cells: theory’, J. of Atm. and Ocea. Tech., 7, 741-755, 1990. will be add to the document.

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

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