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Interactive  
Comment

## ***Interactive comment on “Salinity/temperature ranges for application of seawater $S_A$ -T-P models” by G. M. Marion et al.***

**G. M. Marion et al.**

Received and published: 9 June 2009

Here are my comments with respect to Reviewer #1 arranged by his/her numbers. 1. I added a sentence. To me it is a no-brainer that if these minerals do not precipitate from seawater, then it is perfectly valid to remove them from the mineral database. 2. I agree that the concept of pure homogeneous nucleation is an illusion. This paper is really about pseudo-homogeneous nucleation as defined by Morse and He (1993). I rewrote replacing homogenous nucleation with pseudo-homogeneous nucleation, which is reasonable for representing natural seawater.

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Interactive comment on Ocean Sci. Discuss., 6, 171, 2009.

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