

***Interactive comment on “How well can we derive
Global Ocean Indicators from Argo data?” by
K. von Schuckmann and P.-Y. Le Traon***

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The results in Fig. 2. show both OHC and GSSL as having maxima in the second half of the year, around September.

This is in disagreement with Leuliette and Miller (2009) and with Willis et al. (2008), both cited in the manuscript. Their results (depth 0-900 m) are shown in Fig. 2. of Leuliette and Miller, who also estimate the phase angle as 90 degrees. The maxima in GSSL are found between March and April.

These earlier results are consistent with the average annual variation of the ocean surface temperature, which is dominated by the austral seasons.

In the end we are left with the question how reliable is the ISAS-STD processing tool

C300

on which the results are based? It would be reassuring to know the source of such major discrepancy.

Interactive comment on Ocean Sci. Discuss., 8, 999, 2011.