

Interactive comment on “The Earth’s climate system recurrent & multi-scale lagged responses: empirical law, evidence, consequent solar explanation of recent CO₂ increases & preliminary analysis” by J. Sánchez-Sesma

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In Appendix B: [Global ocean circulation (GOC) carries a signal of tropical climate that generates lagged responses of the Earth’s climate system] (Attached as Supplement), we analyze the proposed mechanism for the lagged responses of the Earth’s climate system to the ~9500 yr recurrence of solar activity, considering: a) the space-time moving climate variable, T_{crb} (“the signal”), b) its lagged influences in the north Atlantic climate and sea level, and c) the global ocean circulation processes (“the carrier”) in surface and deep ocean water.

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In Appendix C: [Sea level (SL) lags (~1600 yr) continental tropical climate (CTC)] (Attached as Supplement), we: a) present SL reconstructed records and their verification and adjustment, b) propose and apply a model for SL variations in term of the lagged influences of CTC variations and their verification with their recurrences, and c) present their consequent forecast.

Please also note the supplement to this comment:

<http://www.earth-syst-dynam-discuss.net/esd-2016-38/esd-2016-38-AC1-supplement.zip>

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