

Interactive
Comment

Interactive comment on “A lower and more constrained estimate of climate sensitivity using updated observations and detailed radiative forcing time series” by R. B. Skeie et al.

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I would welcome comments by the authors on reports that ECS estimates using energy balance models and "effective climate sensitivity (Eff-CS)" may depend on the length of the studied intervals,. In particular, Eff-CS estimates from data derived over the course of several decades or less may underestimate ECS by failing to fully incorporate slowly evolving feedbacks. A recent paper by Armour et al - Time-Varying Climate Sensitivity from Regional Feedbacks, J. Climate, July 2013 - illustrates this concept.

Interactive comment on Earth Syst. Dynam. Discuss., 4, 785, 2013.

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Discussion Paper

