

Interactive comment on “Quasi-hydrostatic equations for climate models and the study on linear instability” by Robert Nigmatulin and Xiulin Xu

Paul Pukite

puk@umn.edu

Received and published: 8 August 2020

I lost my original comment here so will keep it short. Try doing some realistic comparisons to data as I did with QBO, see Fig 1 and the following citation

Mathematical Geoenergy, Wiley/AGU (2018) <https://agupubs.onlinelibrary.wiley.com/doi/10.11>

No progress has been made since Holton/Lindzen did the DiffEq formulation years ago, and all you are doing is going deeper and deeper without a simplifying ansatz.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2020-146>, 2020.

C1

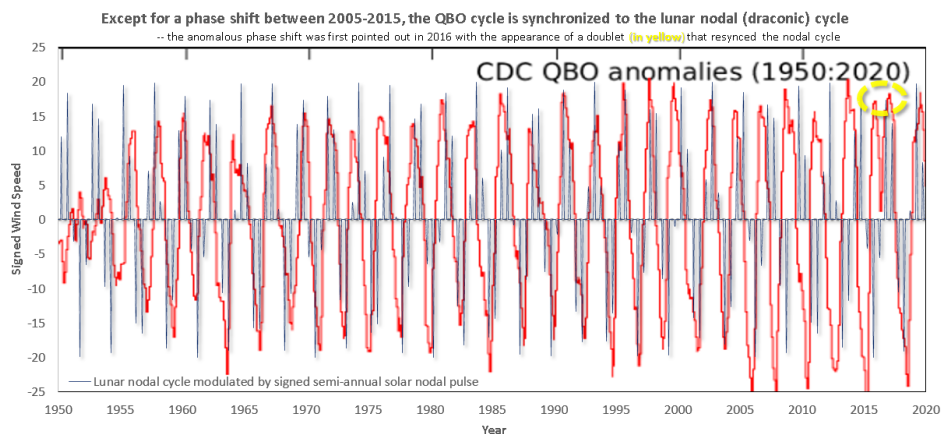


Fig. 1.

C2