

Interactive comment on “On the nonlinear and Solar-forced nature of the Chandler wobble in the Earth’s pole motion” by Dmitry M. Sonechkin et al.

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Sonechkin suggests that the wobble has some forced character to it. This should be obvious considering that only the annual cycle could create an annual response. So the 433 day cycle will be due to the lunar nodal fortnightly cycle (L) synchronized by the annual (Y) such that the wobble period is $Y/(Y/L-26) = 432.7$ days

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C1

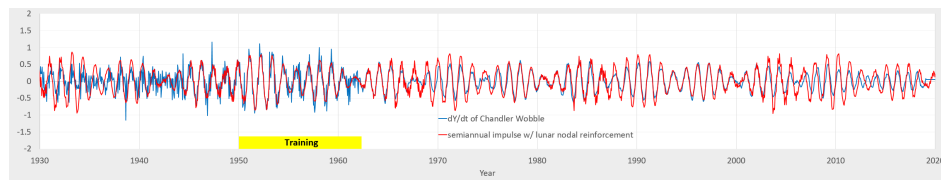


Fig. 1. Fit to lunar cycle

C2

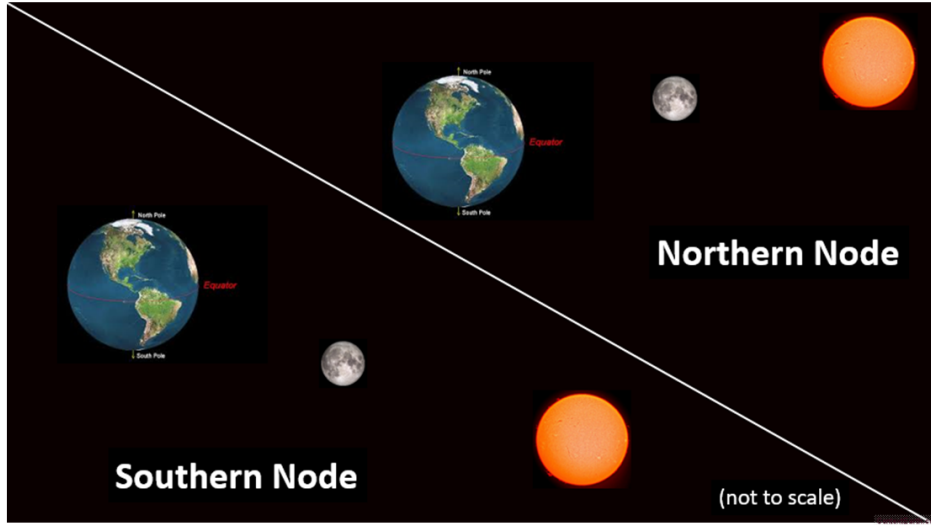


Fig. 2. Synchronization