Supplement of

Comparison of equatorial wave activity in the tropical tropopause layer and stratosphere represented in reanalyses

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Figure S1. The same as in Fig. 1 except for the zonal wind.
Figure S2. The same as in Fig. 3 except for the 100-hPa symmetric meridional wind filtered for $-10 \leq k < 0$ and $0.033 \leq \omega < 0.1$ cycleday$^{-1}$.
Figure S3. Monthly time series of variances of (upper) temperature for the Kelvin waves ($T_{Kelvin}$) and (lower) meridional wind for the MRG waves ($v_{MRG}$) at 10 hPa averaged over 15$^\circ$N–15$^\circ$S. The MERRA results are from the standard-level datasets (dashed), and the others from the model-level datasets (solid). See the text in Section 3.1 for the definitions of $T_{Kelvin}$ and $v_{MRG}$. 