Supplementary material for Aeolus wind lidar observations of the 2019/2020 Quasi-Biennial Oscillation disruption with comparison to radiosondes and reanalysis

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1 Figure S1

Unfiltered Hövmoller plots of zonal wind perturbations from the zonal-mean at 16 km for the December 2019 - April 2020 disruption time period, for (a) Aeolus and (b) ERA5 as Aeolus. The 3 dashed magenta lines during the period of the disruption correspond to the cross-sectional snapshots in figure 7. The vertical dashed green lines mark the longitude of the Singapore radiosonde launch site, 104°. Data is interpolated onto a 2° resolution longitude grid to match the format of figure 6.

2 Animated figure S2

Animation of vertical along-equator cross-sections of the daily averaged zonal wind perturbation from the zonal-mean between 5°N and 5°S for the period 2019-12-01 - 2020-04-01. Data is interpolated onto a 2° resolution longitude grid to match the format of figure 7.