Response of extreme precipitation to uniform surface warming in quasi-global aquaplanet simulations at high resolution

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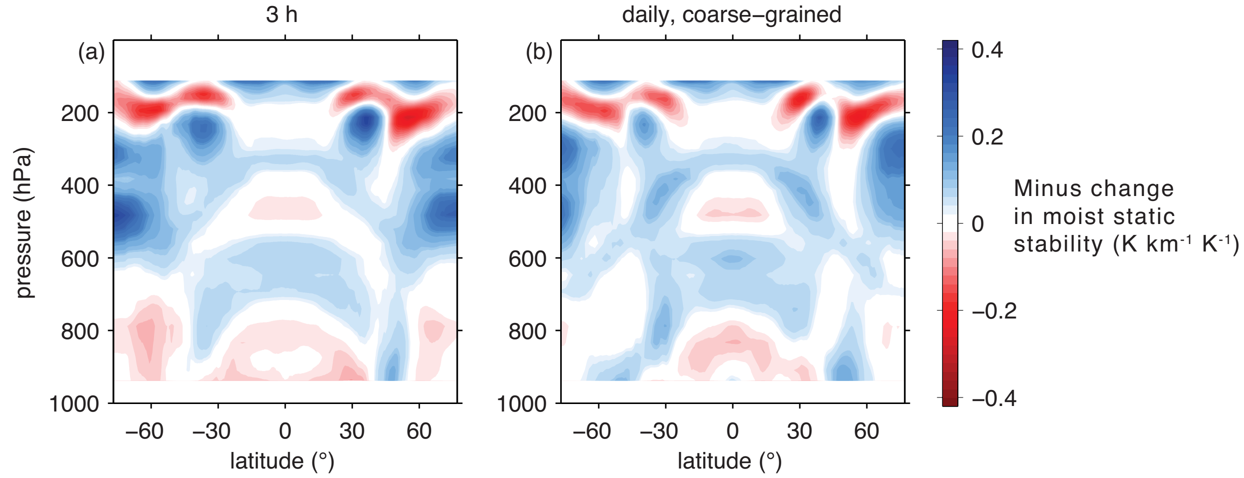
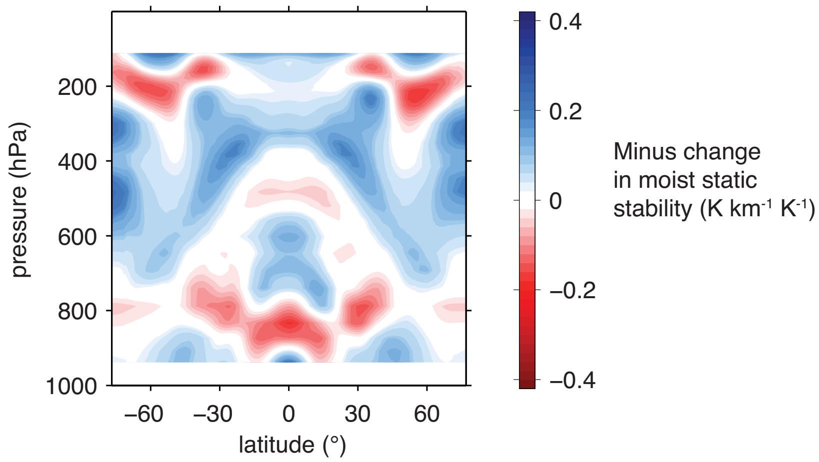


Supplementary Figure 1: Minus the change (K km^{-1} K^{-1}) in moist static stability associated with precipitation extremes in response to climate change for (a) 3 h precipitation extremes on the model grid and (b) daily precipitation that is spatially coarse-grained to a horizontal grid spacing of 96km prior to calculating the extremes. Changes are normalized by the increase in SST of 4K. Changes below 950hPa and above 100hPa are not shown. The same changes expressed as a percent of the control-climate values are shown in Fig. 5e,f in the main paper.



Supplementary Figure 2: Minus the change (K km^{-1} K^{-1}) in moist static stability calculated from the zonal- and time-mean temperature in response to climate change. Changes are normalized by the increase in SST of 4K. Changes below 950hPa and above 100hPa are not shown.