

Figure S1. Monthly mean 2-m maximum air temperature (T_{\max} ; °C) for the station observation (in blue), RegCM before applying LS (in red) and RegCM_new after applying LS (in green) for the locations: Hurghada (first row), Sharm (second row), Kossier (third row), Assyut (fourth row), Asswan (fifth row) and Farafra (sixth row).

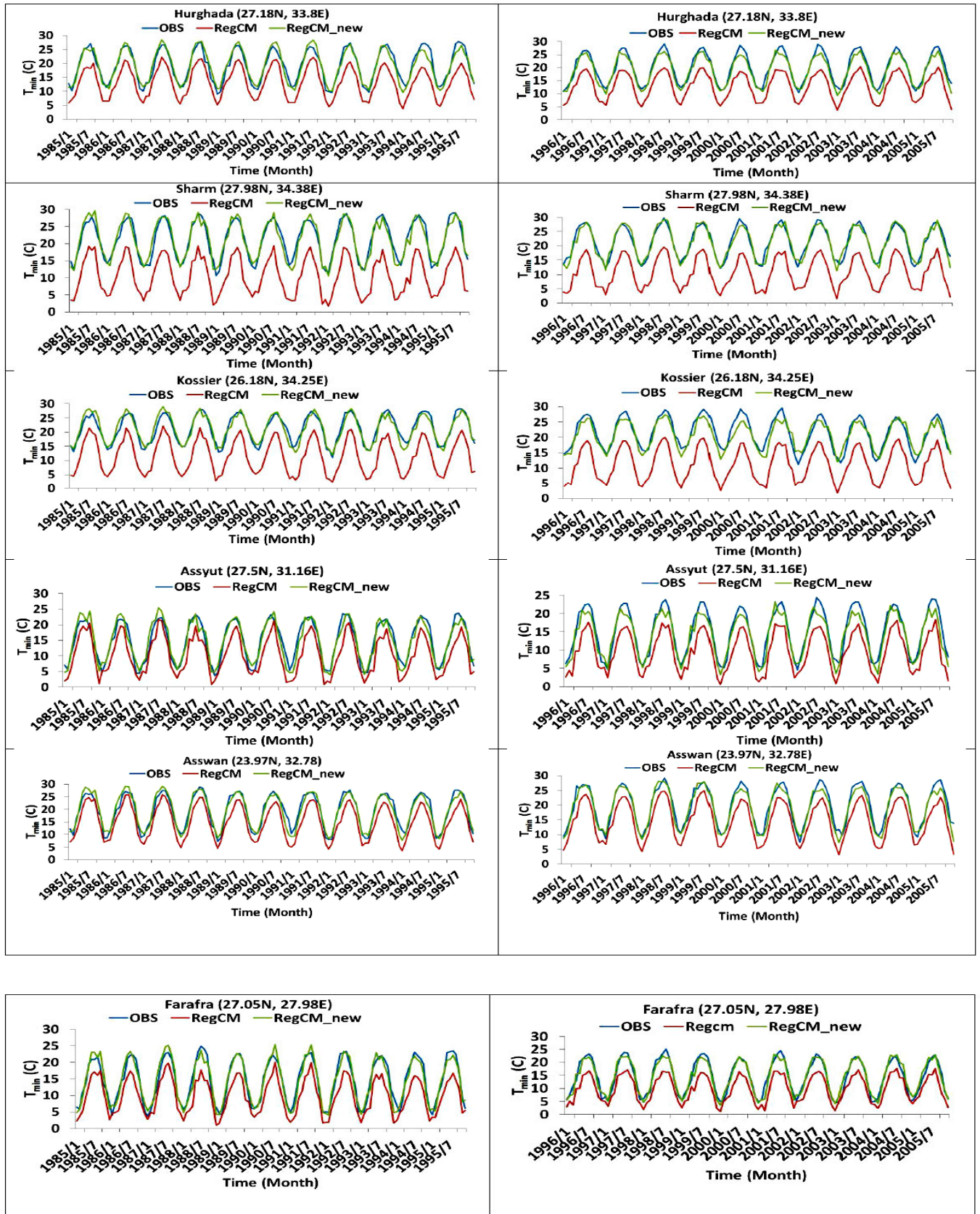


Figure S2. Monthly mean 2-m minimum air temperature (T_{max} ; $^{\circ}\text{C}$) for the station observation (in blue), RegCM before applying LS (in red) and RegCM_new after applying LS (in green) for the locations: Hurgada (first row), Sharm (second row), Kossir (third row), Assyut (fourth row), Asswan (fifth row) and Farafra (sixth row).