

Supplement of

Case-to-Case Variability in the Tropospheric Response to Sudden Stratospheric Warmings Revealed by Ensemble Re-Forecasts

Sheena Loeffel¹, Philip Rupp², Selina Kiefer³, Joaquim G. Pinto³, Thomas Birner^{2,1}, and Hella Garny^{1,2}

¹Deutsches Zentrum für Luft- und Raumfahrt (DLR), Institut für Physik der Atmosphäre, Oberpfaffenhofen, Germany

²Meteorological Institute Munich, Ludwig-Maximilians-University, Munich, Germany

³Institute of Meteorology and Climate Research Troposphere Research (IMKTRO), Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany

Correspondence: Sheena Loeffel (sheena.loeffel@dlr.de)

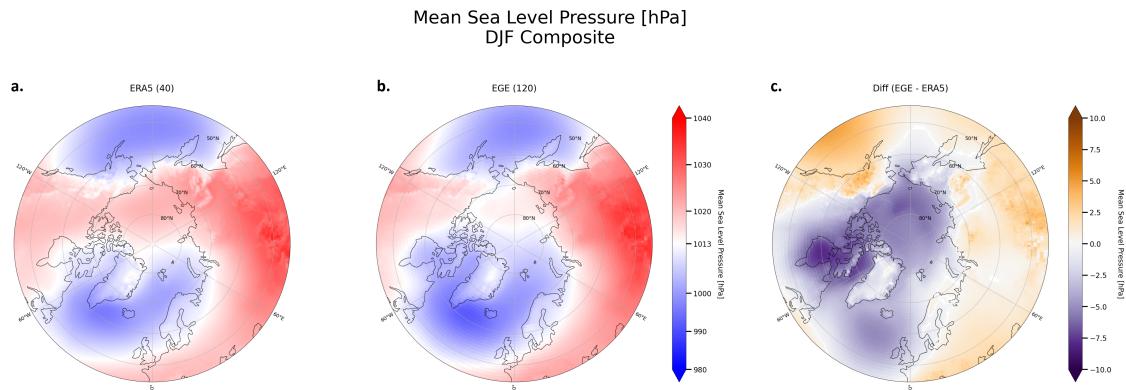


Figure S 1. Mean sea level pressure composites over DJF of (a.) ERA5 for the years 1980-2019, (b.) EGE, and the difference as ERA5 subtracted from EGE (c.). Stereographic projection shows latitudes north of 45°N, centred on 90°N with 10° graticule.