Each NC file contains eight files, including spp126\_2050, ssp126\_2100, spp245\_2050, ssp245\_2100, spp370\_2050, ssp370\_2100, spp585\_2050, ssp585\_2100.

**CDD** = average consecutive degree days. Unit: Days

**Evspsbl** = Temperature trend in evapotranspiration. Unit: kg/m2/s per year

**NPP** = Temperature trend in net primary production. Unit: kg/m2/s per year

**r10Int** = Total precipitation above 10th percentile of the baseline = Unit: mm

**r10p** = % of months with precipitation below the 10th percentile of the baseline (1981-2010). Unit: %

**tap\_trend** = temporal trend in precipitation values.

**ts90p and sst90p** = % of months with temperature values higher than 90th percentile of the baseline. Unit: %

**ts90Int and sst90Int** = Average temperature across months with temperatures above the 90th percentile of the baseline. Unit: degree Celsius

**ts\_trend and sst\_trend** = temporal trends for the temperatures. Unit: degree Celsius/year