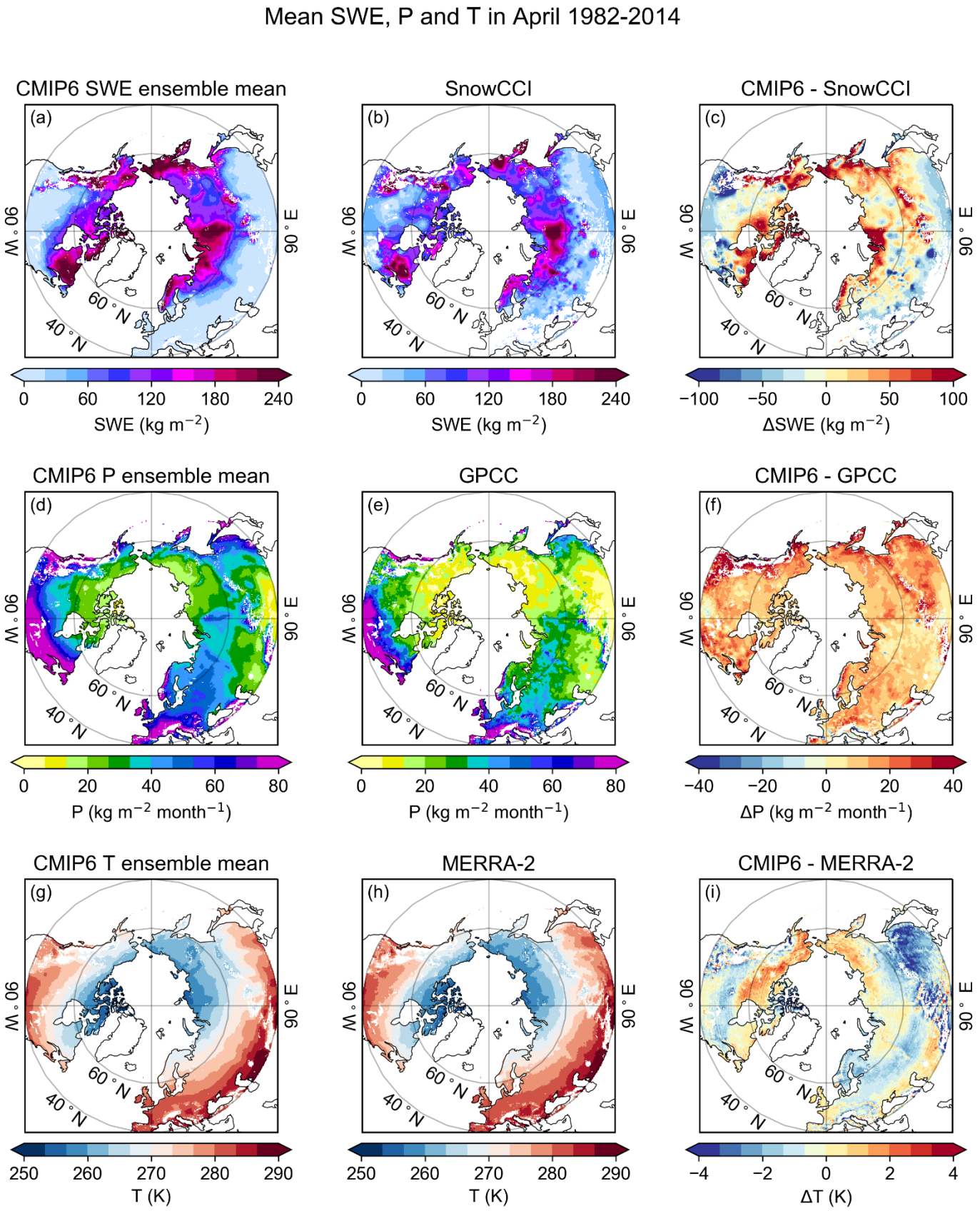

Figure S1 (top) Mean SWE in April for CMIP6 multi-model ensemble mean, SnowCCI and the difference CMIP6-SnowCCI for the period 1982-2014. (middle) Mean P in April for CMIP6 multi-model ensemble mean, GPCC and the difference CMIP6-GPCC for the period 1982-2014. (bottom) Mean T in April for CMIP6 multi-model ensemble mean, MERRA-2 and the difference CMIP6-MERRA-2 for the period 1982-2014.

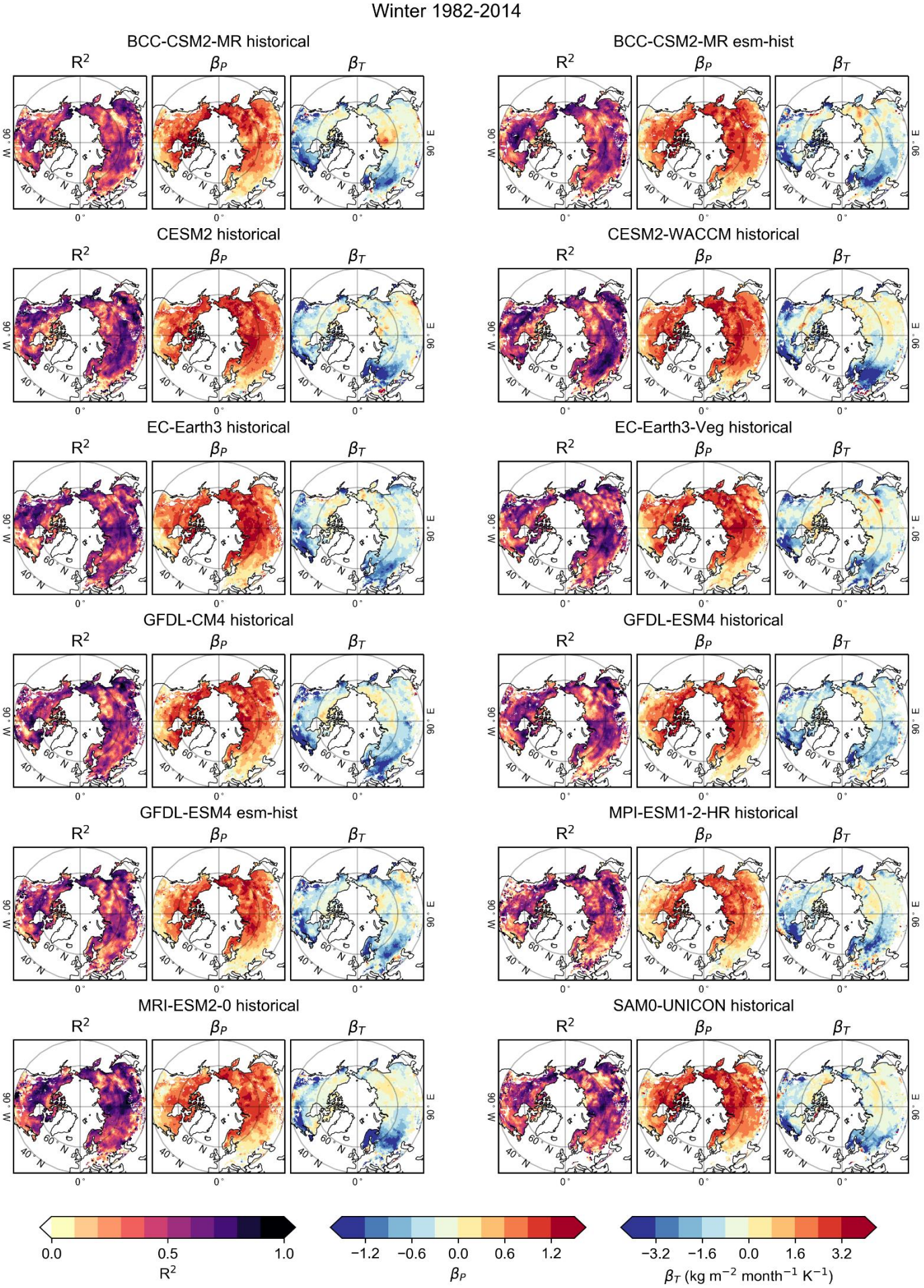

Figure S2. Linear regression parameters R^2, β_P, and β_T in winter 1982-2014.

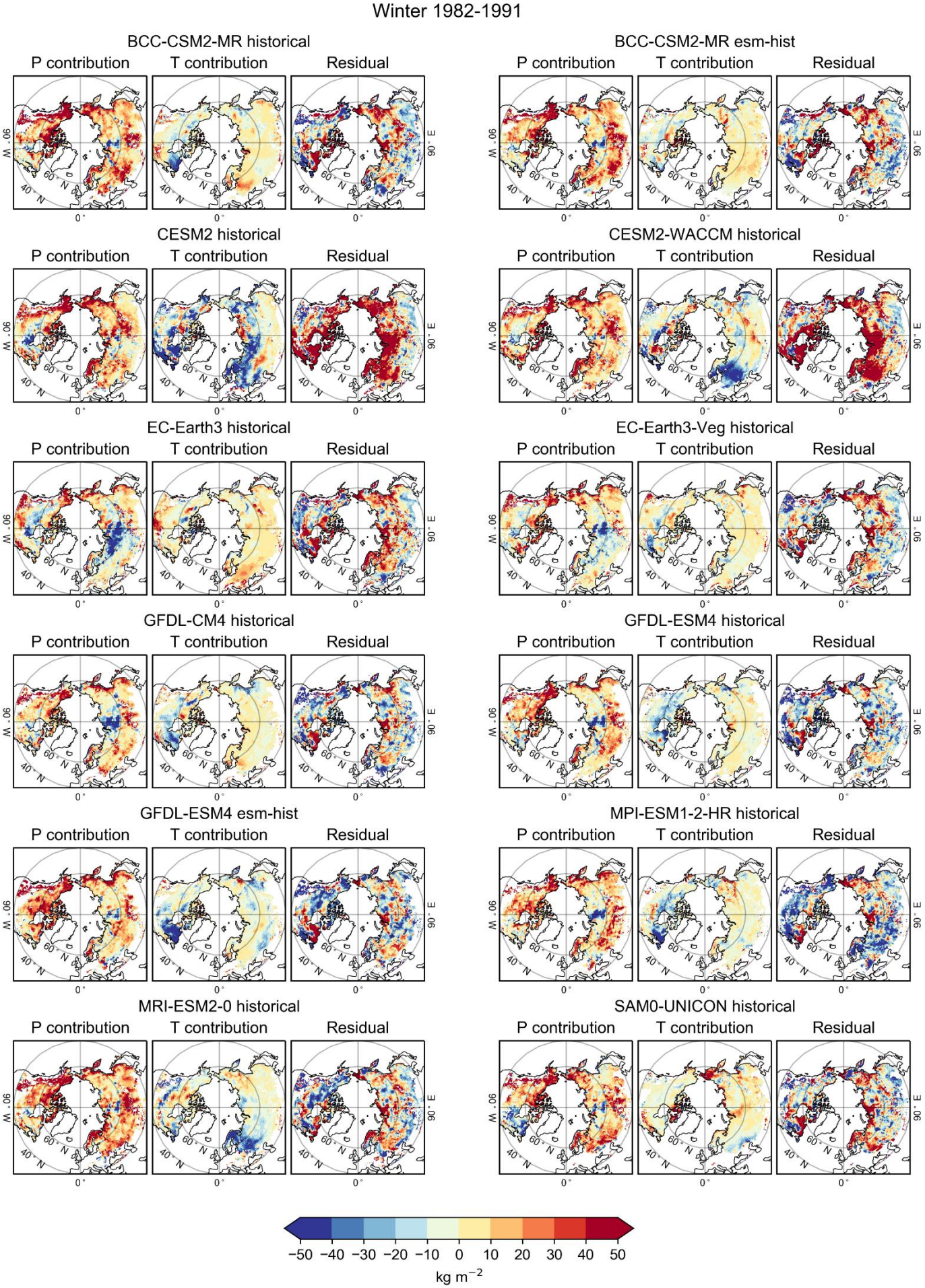

Figure S3. Spatial distribution of P contribution, T contribution and constant for each model in winter 1982-1991.

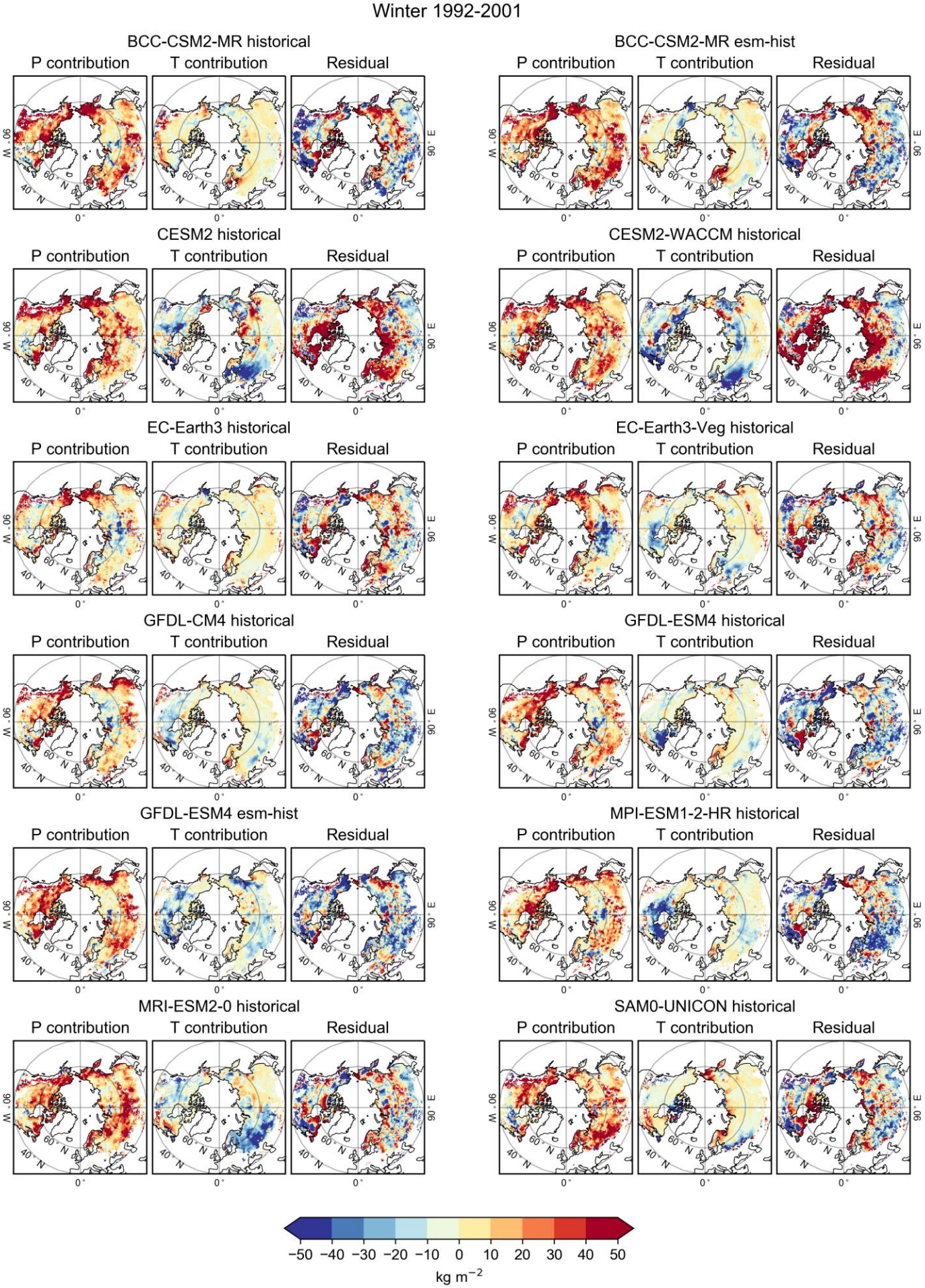

Figure S4. Spatial distribution of P contribution, T contribution and constant for each model in winter 1992-2001.

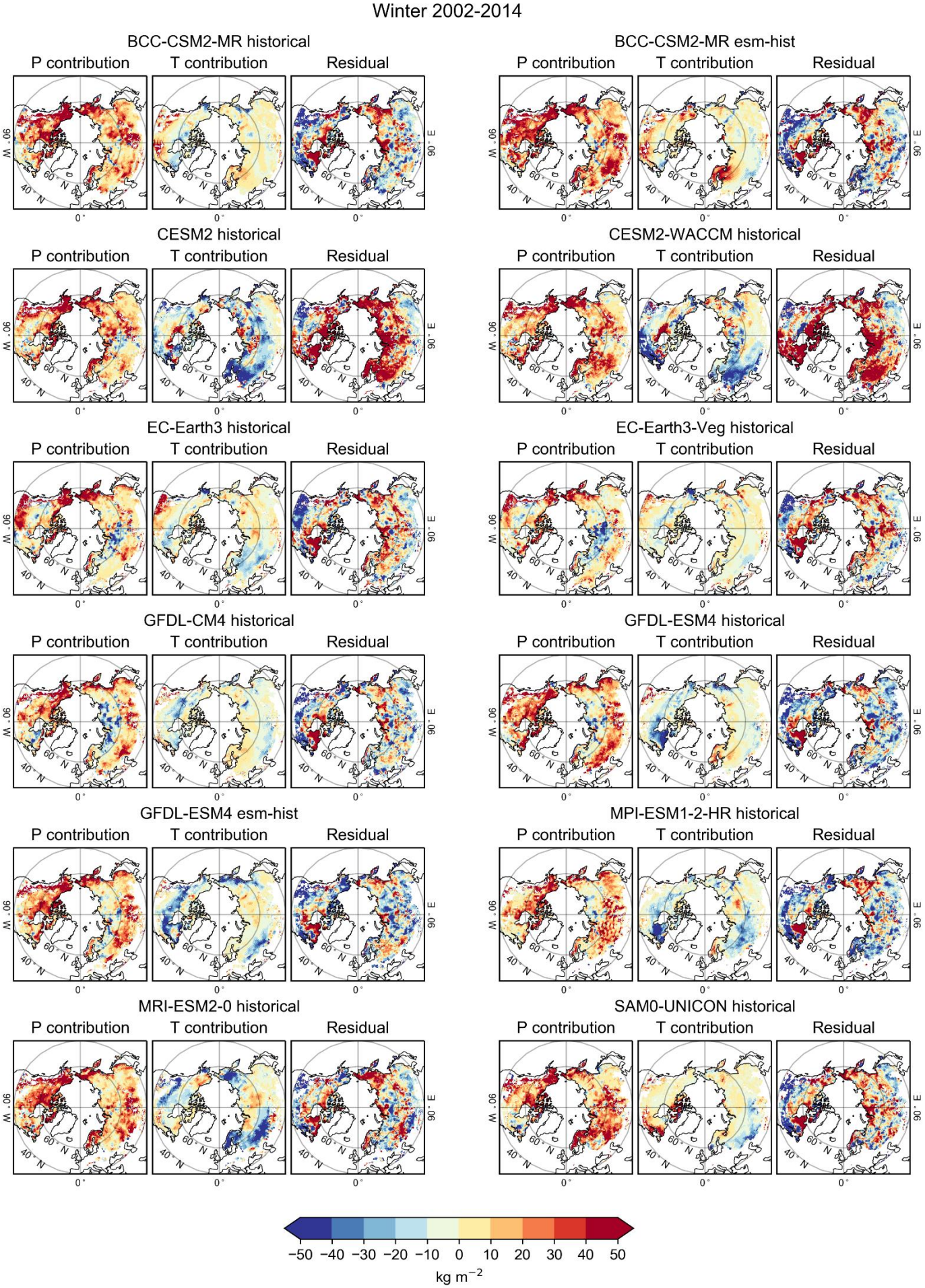

Figure S5. Spatial distribution of P contribution, T contribution and constant for each model in winter 2002-2014.

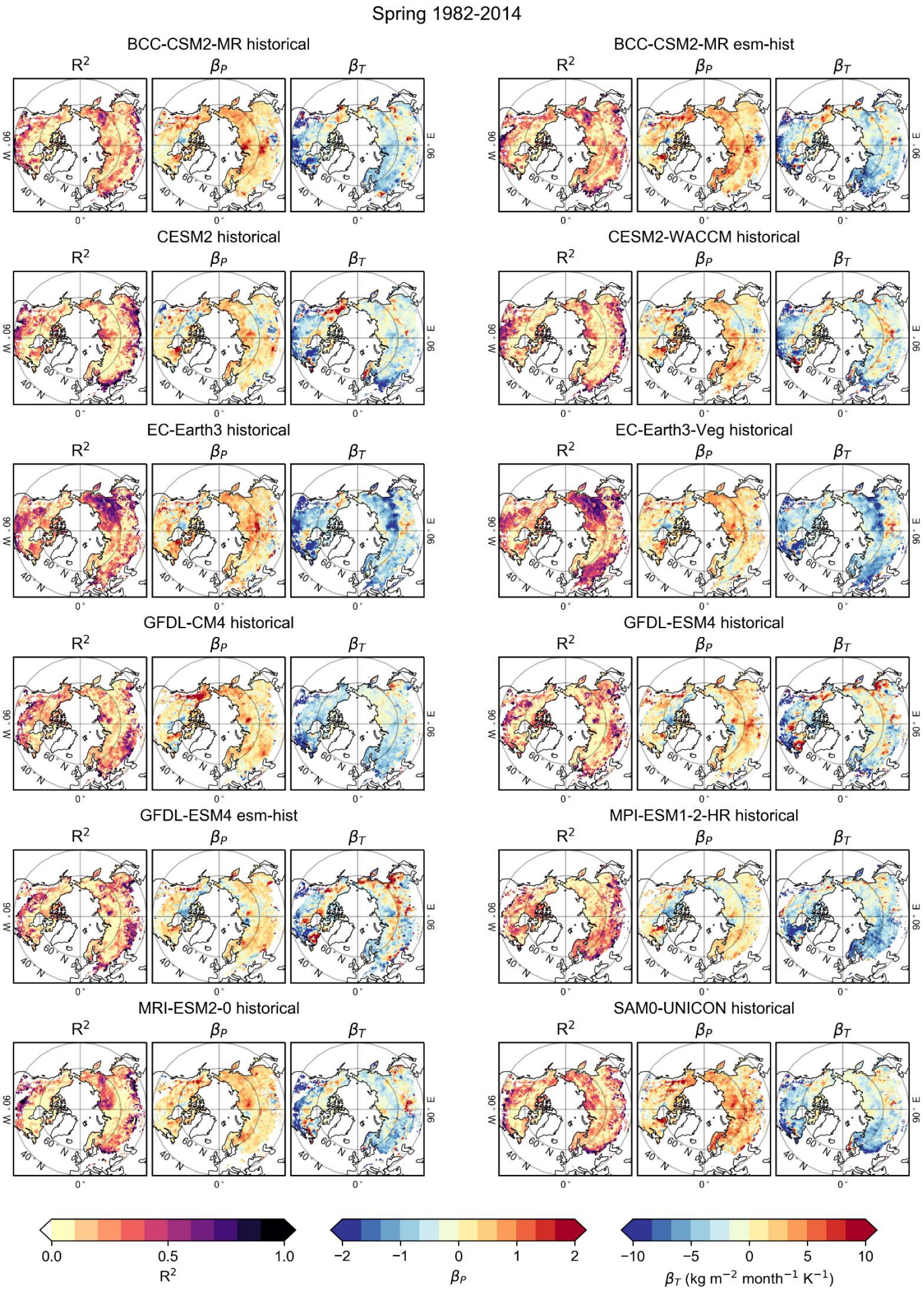

Figure S6. Linear regression parameters R^2, β_P, and β_T in spring 1982-2014.

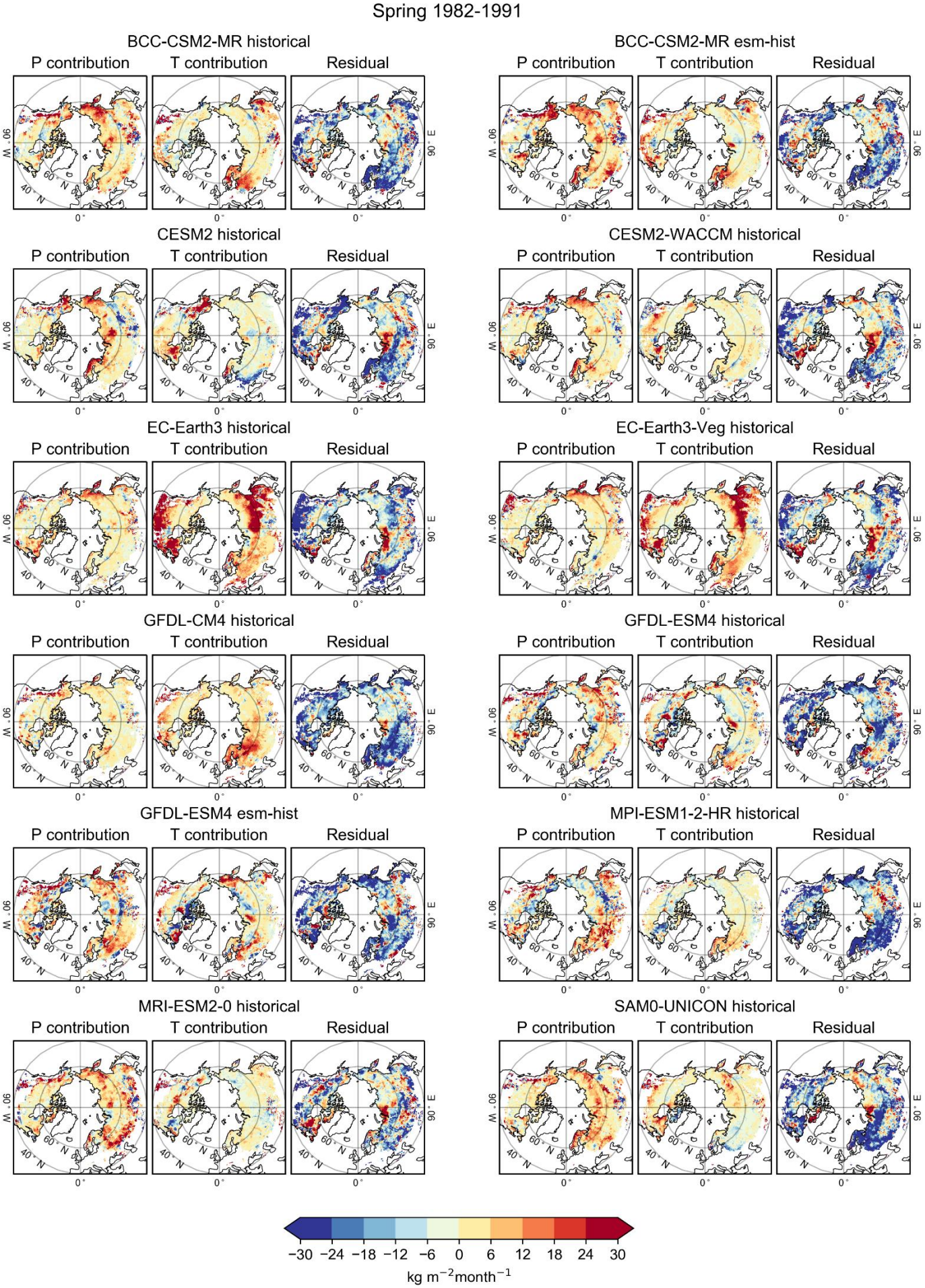

Figure S7. Spatial distribution of P contribution, T contribution and constant for each model in spring 1982-1991.

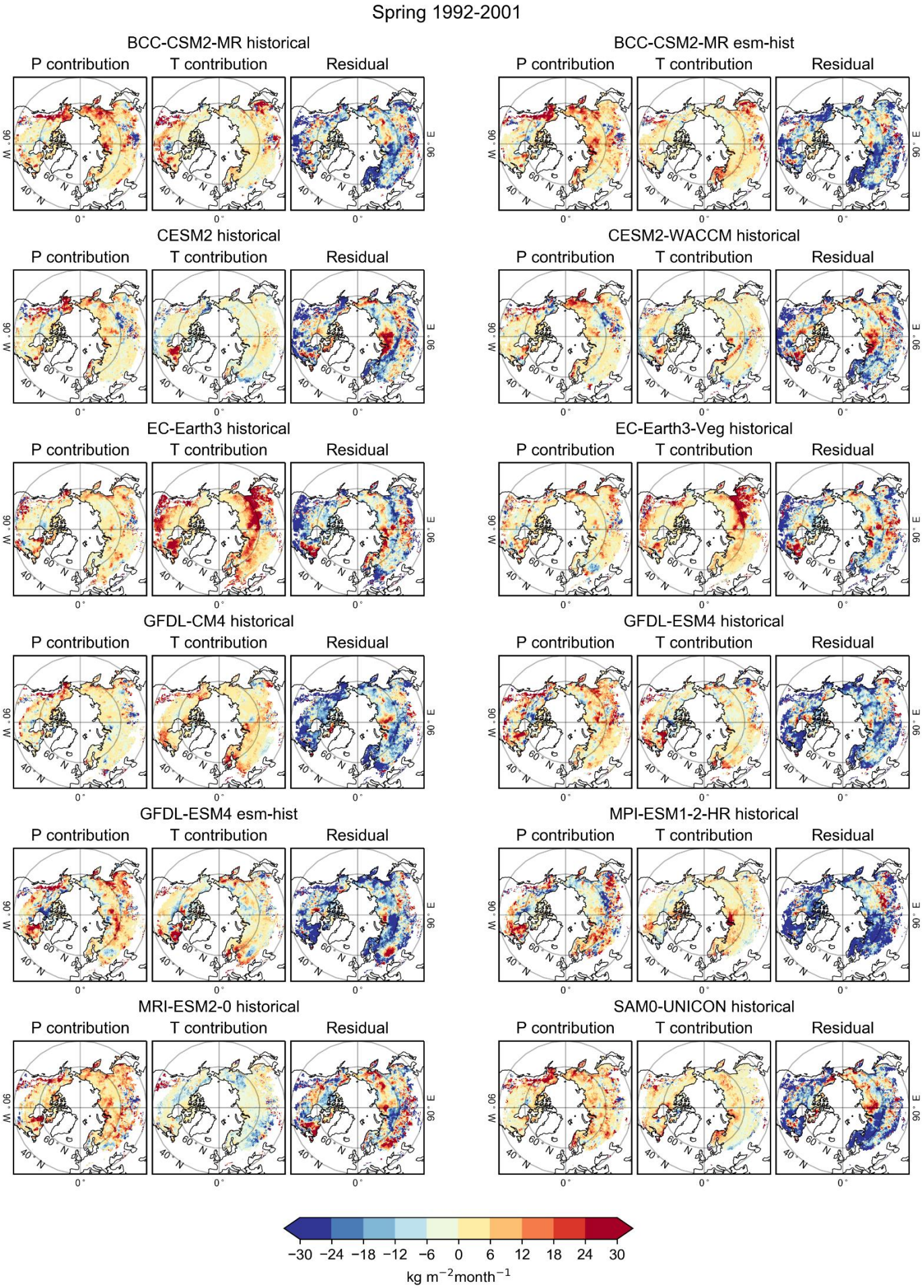

Figure S8. Spatial distribution of P contribution, T contribution and constant for each model in spring 1992-2001.

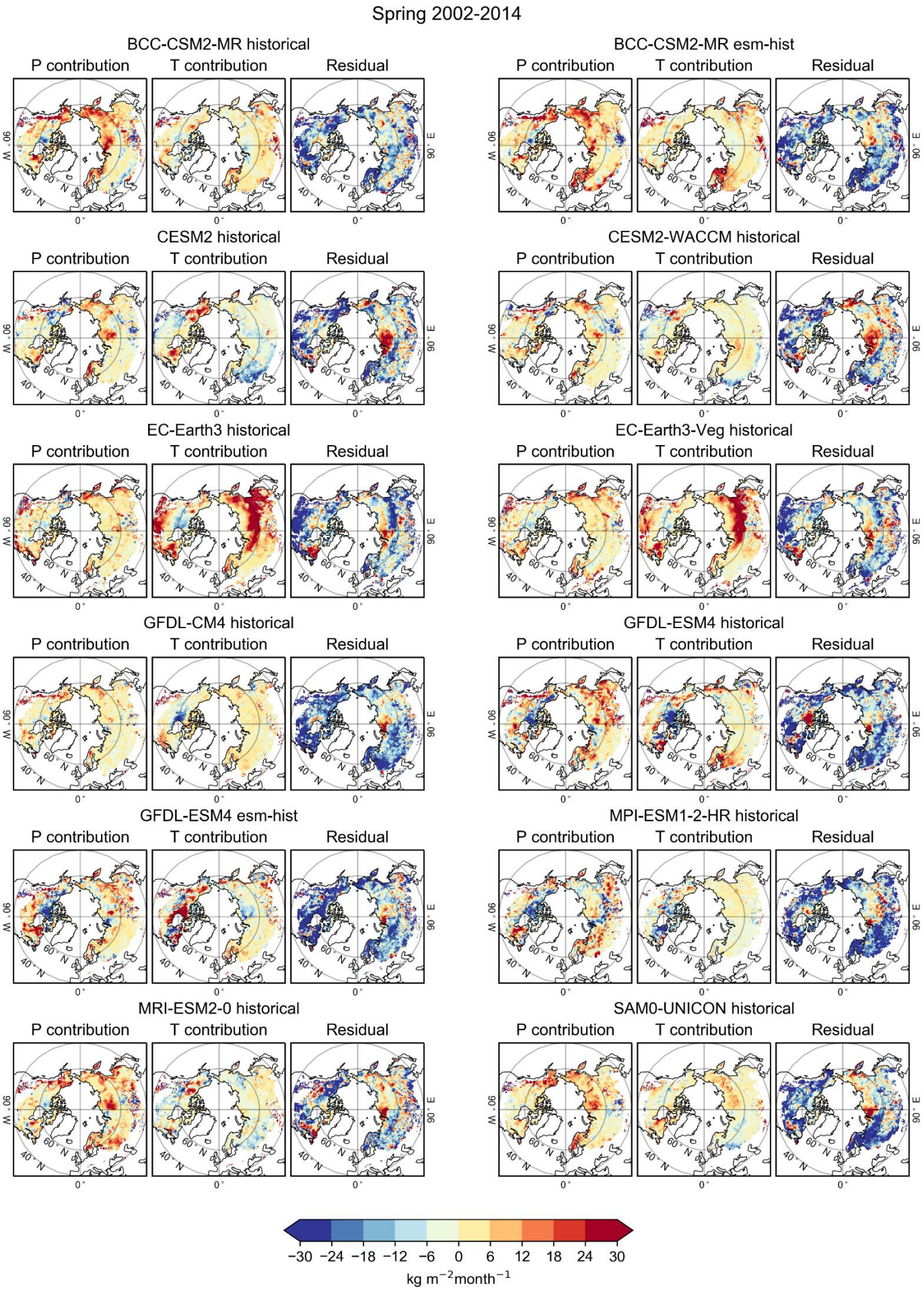

Figure S9. Spatial distribution of P contribution, T contribution and constant for each model in spring 2002-2014.