

Figure S1 Relationships between (a) ΔSM_{p_0-10} and longitude, (b) ΔSM_{a_0-10} and longitude, (c) ΔSM_{p_0-10} and latitude, (d) ΔSM_{a_0-10} and latitude, (e) ΔSM_{p_0-10} and elevation, and (f) ΔSM_{a_0-10} and elevation.

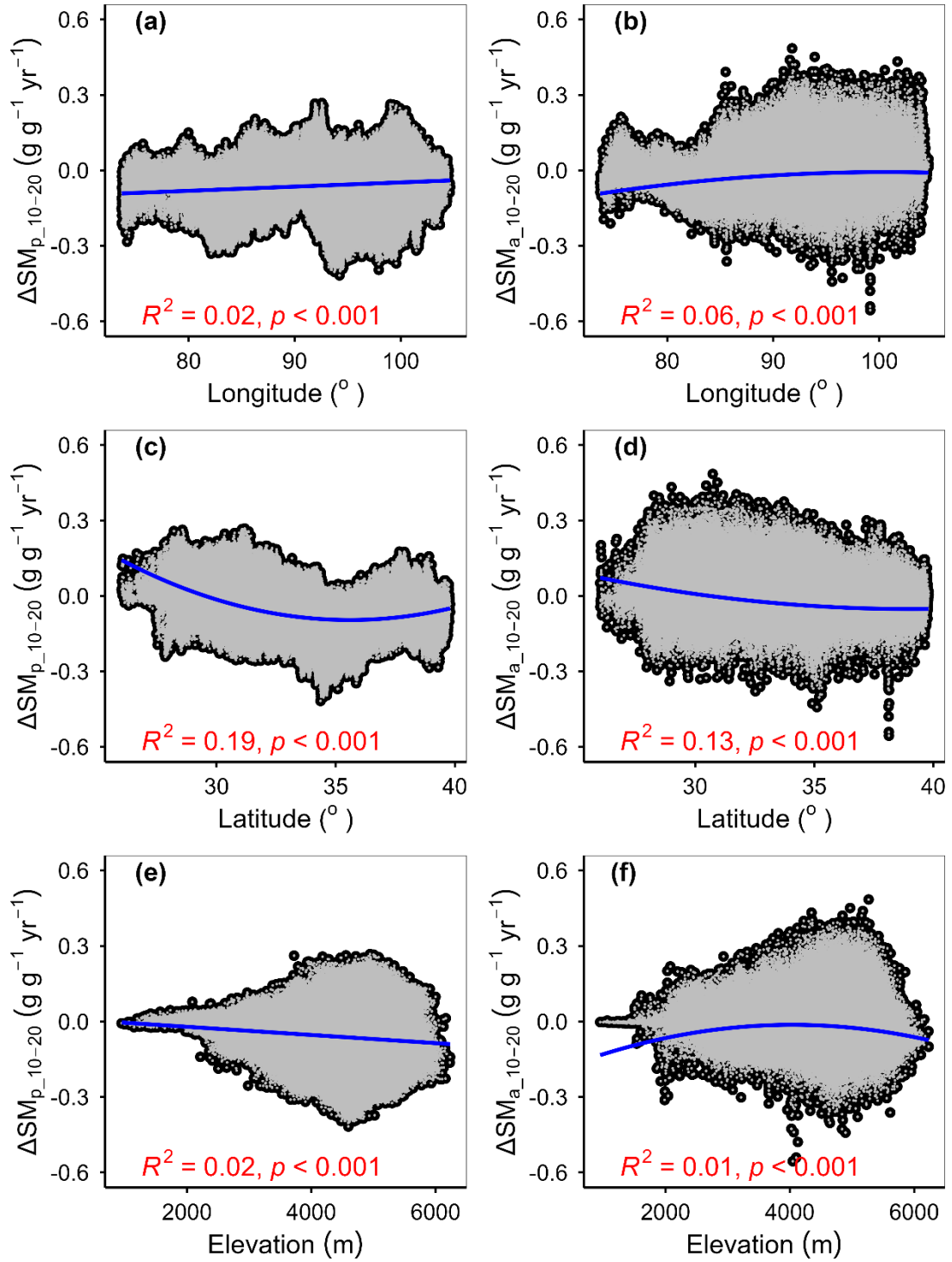


Figure S2 Relationships between (a) $\Delta SM_{p_{10-20}}$ and longitude, (b) $\Delta SM_{a_{10-20}}$ and longitude, (c) $\Delta SM_{p_{10-20}}$ and latitude, (d) $\Delta SM_{a_{10-20}}$ and latitude, (e) $\Delta SM_{p_{10-20}}$ and elevation, and (f) $\Delta SM_{a_{10-20}}$ and elevation.

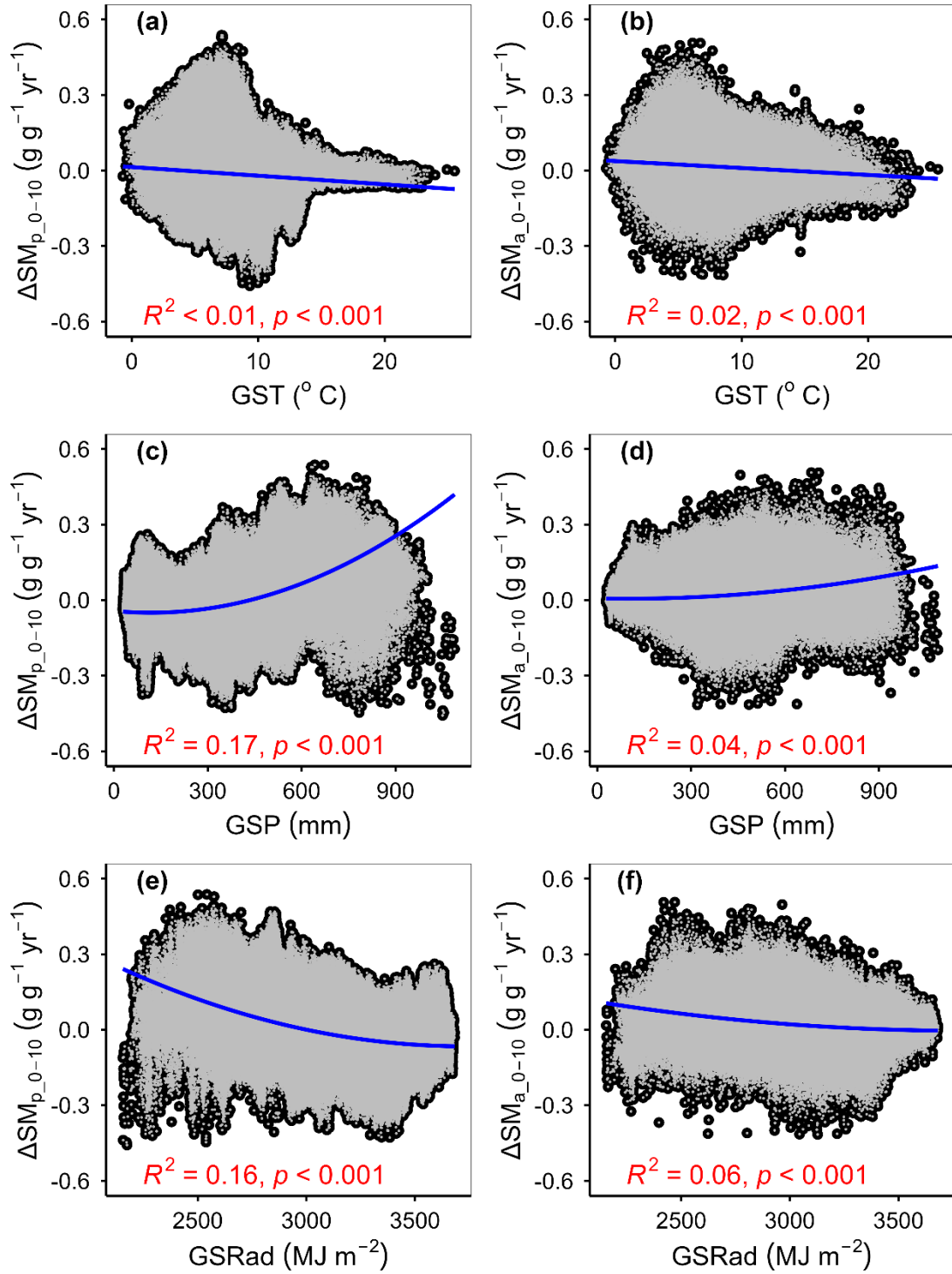


Figure S3 Relationships between (a) $\Delta SM_{p_{0-10}}$ and GST, (b) $\Delta SM_{a_{0-10}}$ and GST, (c) $\Delta SM_{p_{0-10}}$ and GSP, (d) $\Delta SM_{a_{0-10}}$ and GSP, (e) $\Delta SM_{p_{0-10}}$ and GSRad, and (f) $\Delta SM_{a_{0-10}}$ and GSRad.

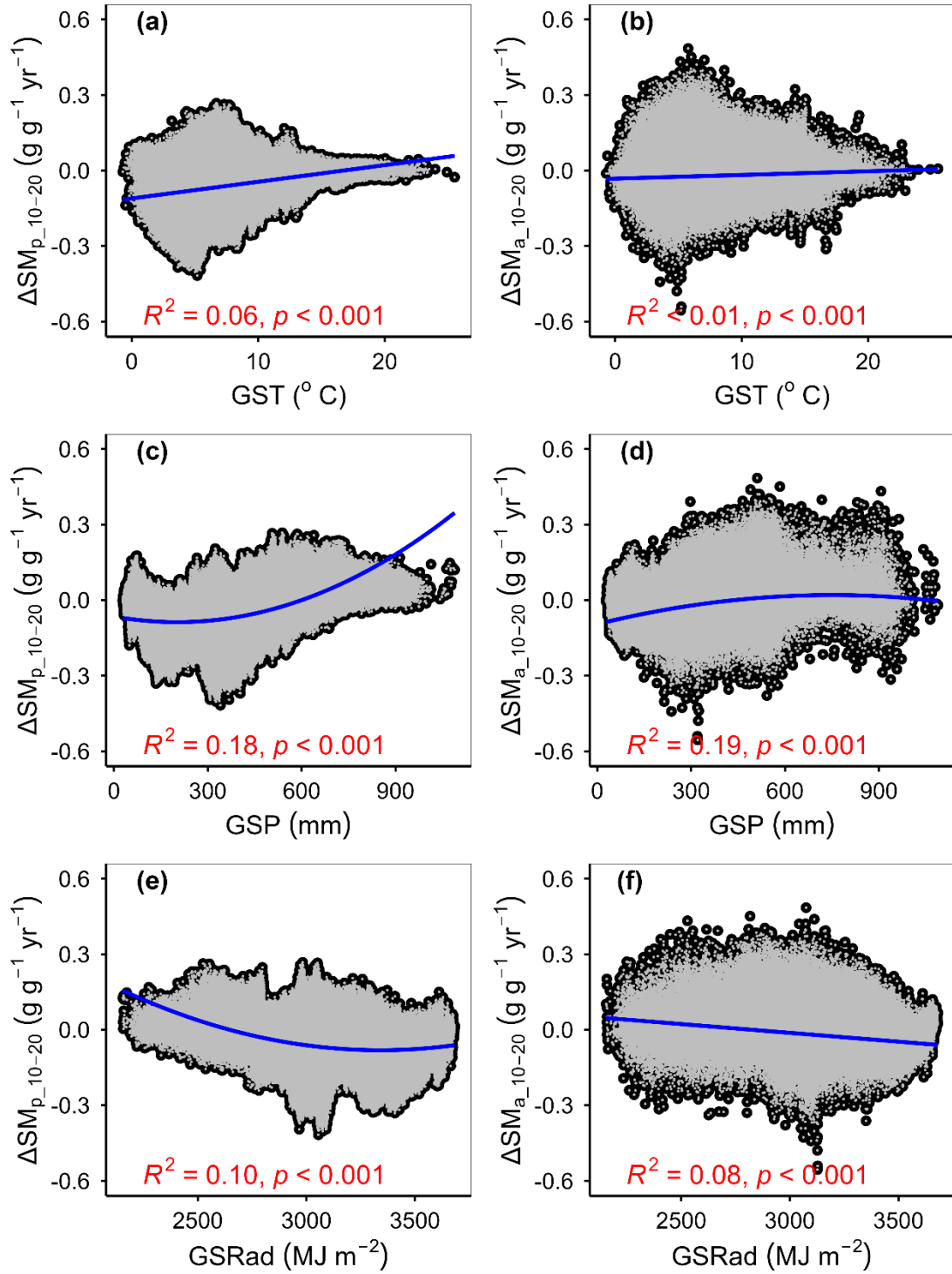


Figure S4 Relationships between (a) $\Delta SM_{p_{10-20}}$ and GST, (b) $\Delta SM_{a_{10-20}}$ and GST, (c) $\Delta SM_{p_{10-20}}$ and GSP, (d) $\Delta SM_{a_{10-20}}$ and GSP, (e) $\Delta SM_{p_{10-20}}$ and GSRad, and (f) $\Delta SM_{a_{10-20}}$ and GSRad.

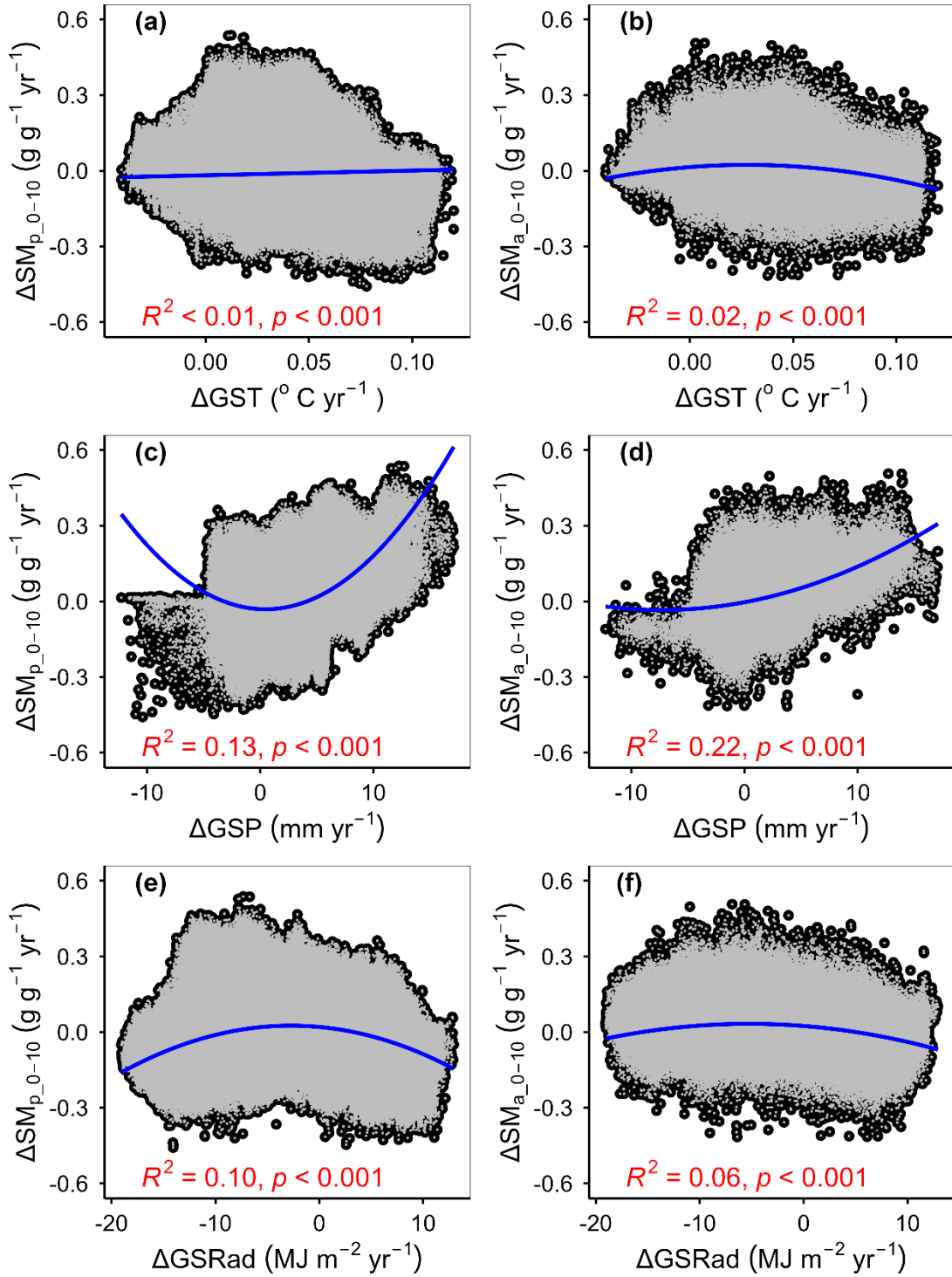


Figure S5 Relationships between (a) ΔSM_{p_0-10} and ΔGST , (b) ΔSM_{a_0-10} and ΔGST , (c) ΔSM_{p_0-10} and ΔGSP , (d) ΔSM_{a_0-10} and ΔGSP , (e) ΔSM_{p_0-10} and $\Delta GSRad$, and (f) ΔSM_{a_0-10} and $\Delta GSRad$.

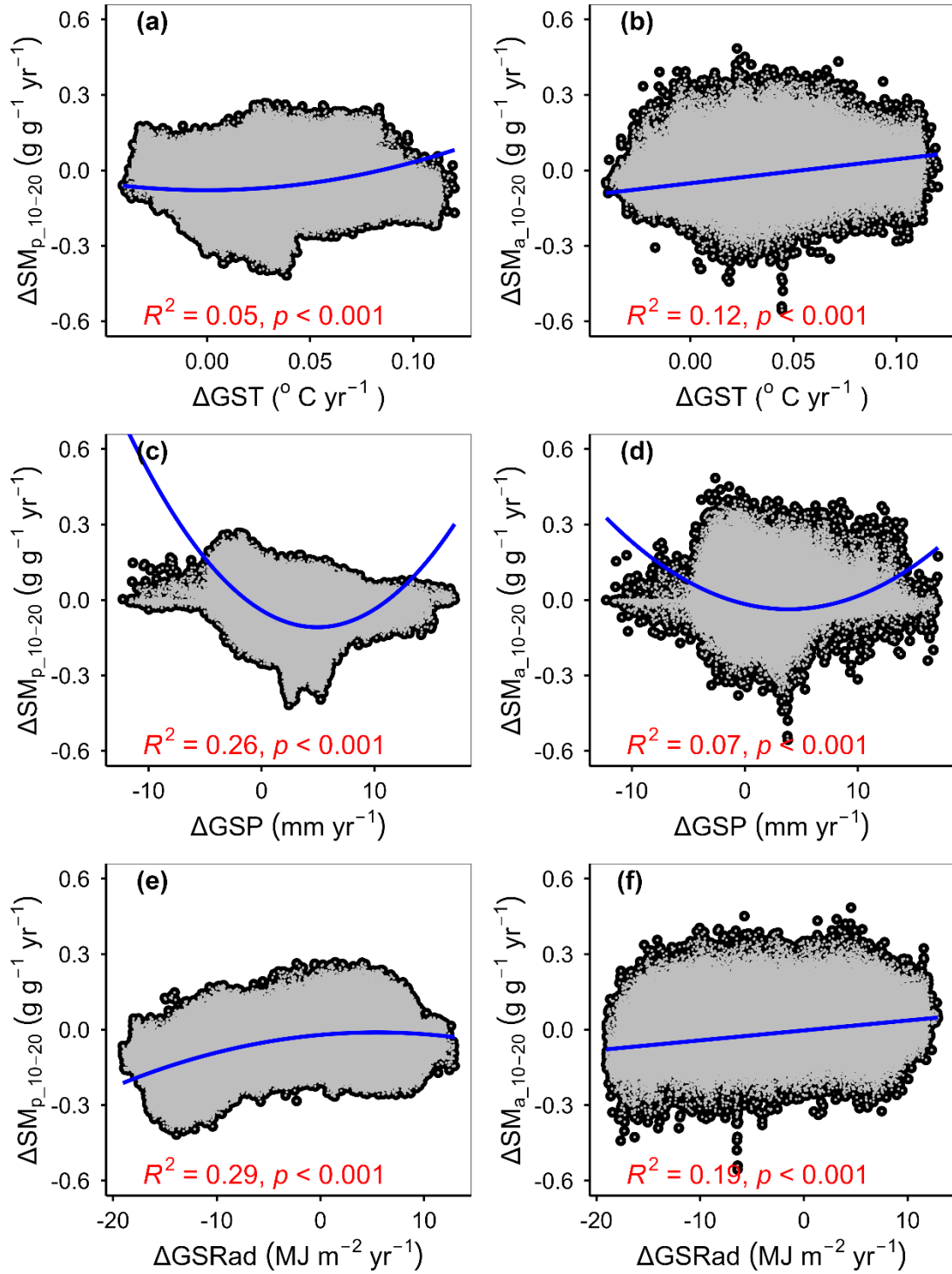


Figure S6 Relationships between (a) $\Delta SM_{p_{10-20}}$ and ΔGST , (b) $\Delta SM_{a_{10-20}}$ and ΔGST , (c) $\Delta SM_{p_{10-20}}$ and ΔGSP , (d) $\Delta SM_{a_{10-20}}$ and ΔGSP , (e) $\Delta SM_{p_{10-20}}$ and $\Delta GSRad$, and (f) $\Delta SM_{a_{10-20}}$ and $\Delta GSRad$.

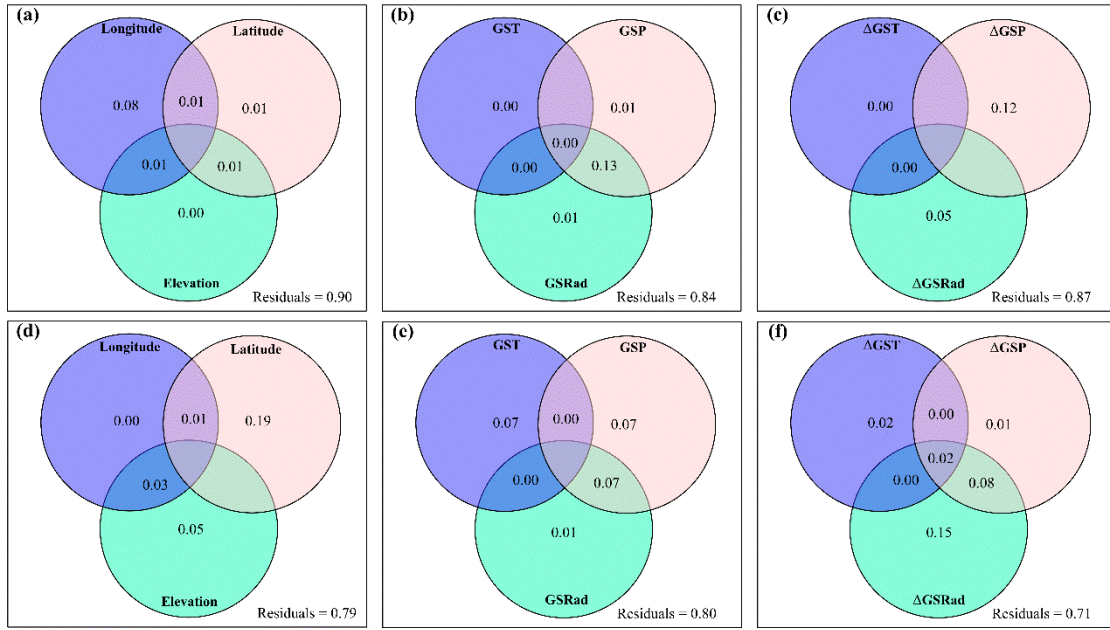


Figure S7 Relative influences of (a) elevation, latitude and longitude to ΔSM_{p_0-10} , (b) GST, GSP and GSRad to ΔSM_{p_0-10} , (c) ΔGST , ΔGSP and $\Delta GSRad$ to ΔSM_{p_0-10} , (d) elevation, latitude and longitude to ΔSM_{p_10-20} , (e) GST, GSP and GSRad to ΔSM_{p_10-20} , and (f) ΔGST , ΔGSP and $\Delta GSRad$ to ΔSM_{p_10-20} .

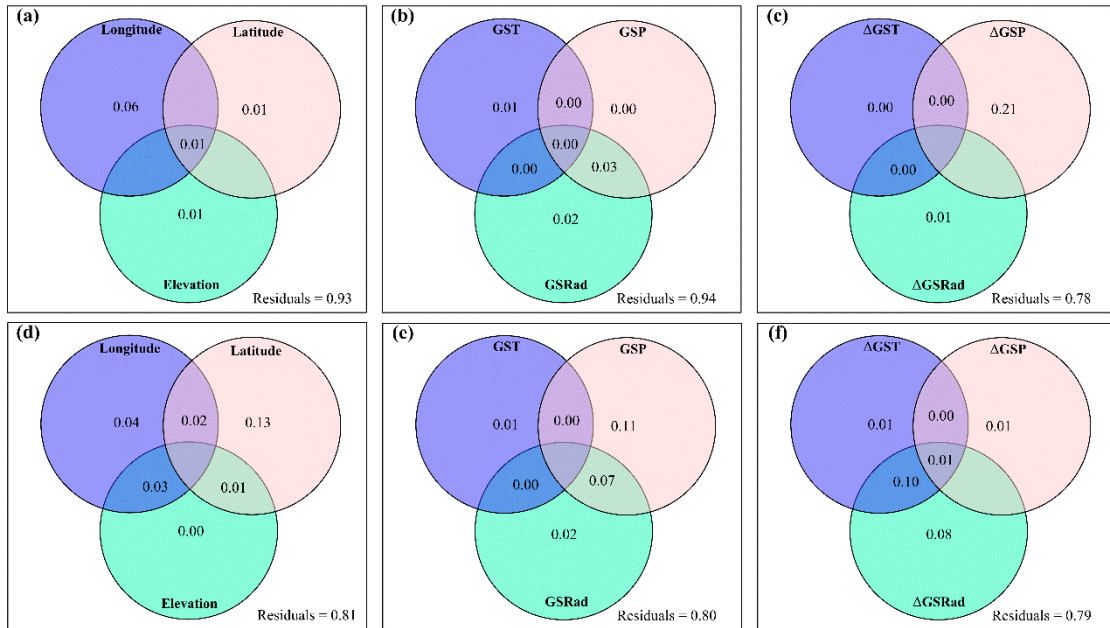


Figure S8 Relative influences of (a) elevation, latitude and longitude to ΔSM_{a_0-10} , (b) GST, GSP and GSRad to ΔSM_{a_0-10} , (c) ΔGST , ΔGSP and $\Delta GSRad$ to ΔSM_{a_0-10} , (d) elevation, latitude and longitude to ΔSM_{a_10-20} , (e) GST, GSP and GSRad to ΔSM_{a_10-20} , and (f) ΔGST , ΔGSP and $\Delta GSRad$ to ΔSM_{a_10-20} .

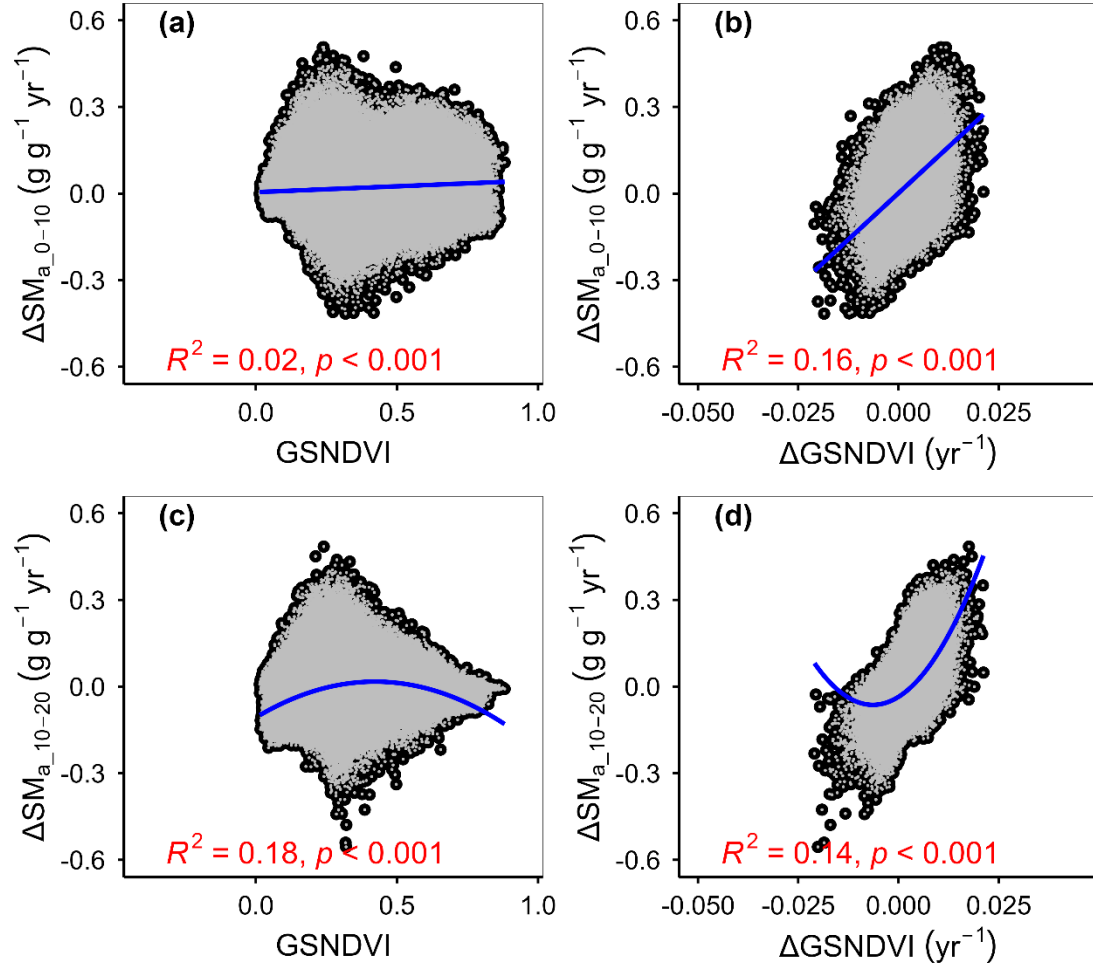


Figure S9 Relationships between (a) ΔSM_{a_0-10} and $GSNDVI$, (b) ΔSM_{a_0-10} and $\Delta GSNDVI$, (c) $\Delta SM_{a_{10-20}}$ and $GSNDVI$, and (d) $\Delta SM_{a_{10-20}}$ and $\Delta GSNDVI$.

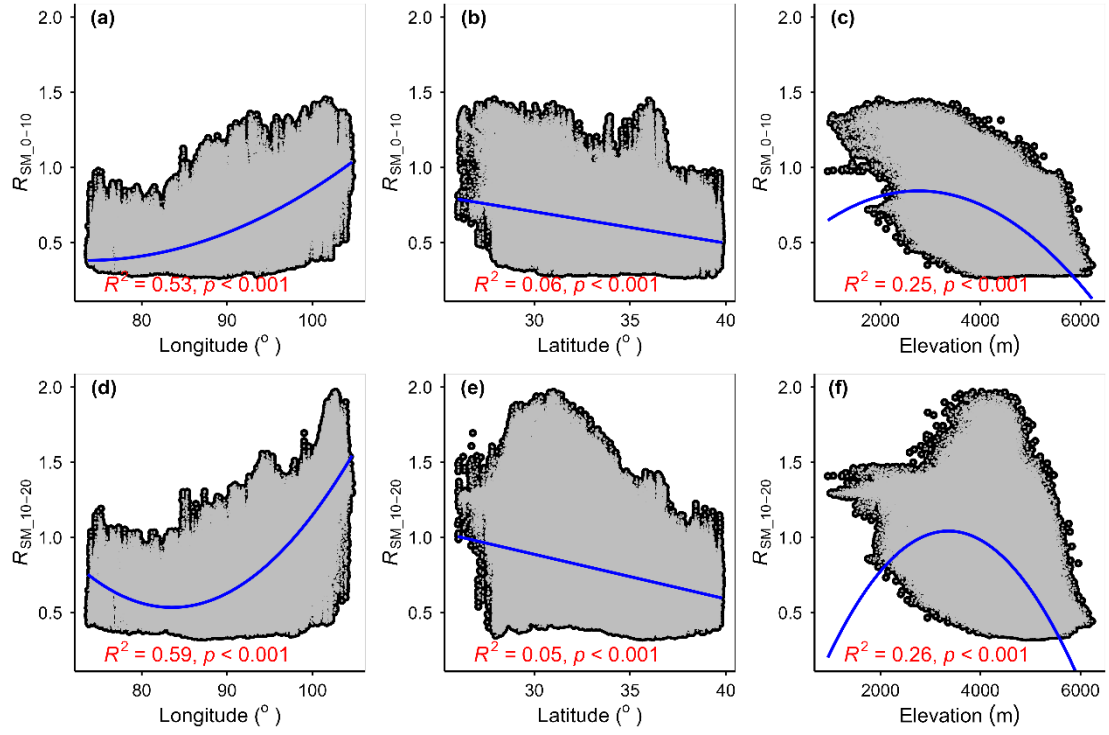


Figure S10 Relationships between (a) R_{SM_0-10} and longitude, (b) R_{SM_0-10} and latitude, (c) R_{SM_0-10} and elevation, (d) R_{SM_10-20} and longitude, (e) R_{SM_10-20} and latitude, and (f) R_{SM_10-20} and elevation.

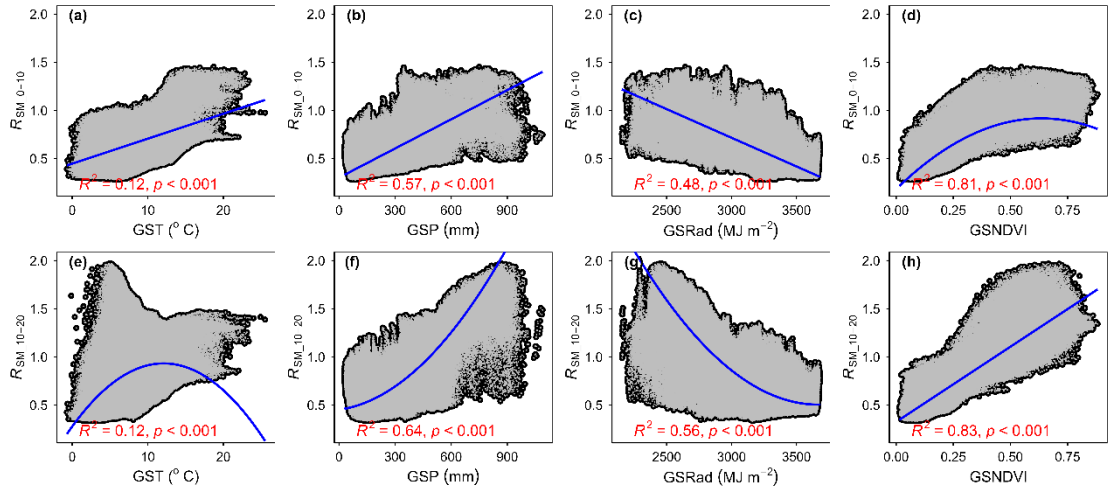


Figure S11 Relationships between (a) R_{SM_0-10} and GST, (b) R_{SM_0-10} and GSP, (c) R_{SM_0-10} and GSRad, (d) R_{SM_0-10} and GSNDVI, (e) R_{SM_10-20} and GST, (f) R_{SM_10-20} and GSP, (g) R_{SM_10-20} and GSRad, and (h) R_{SM_10-20} and GSNDVI.

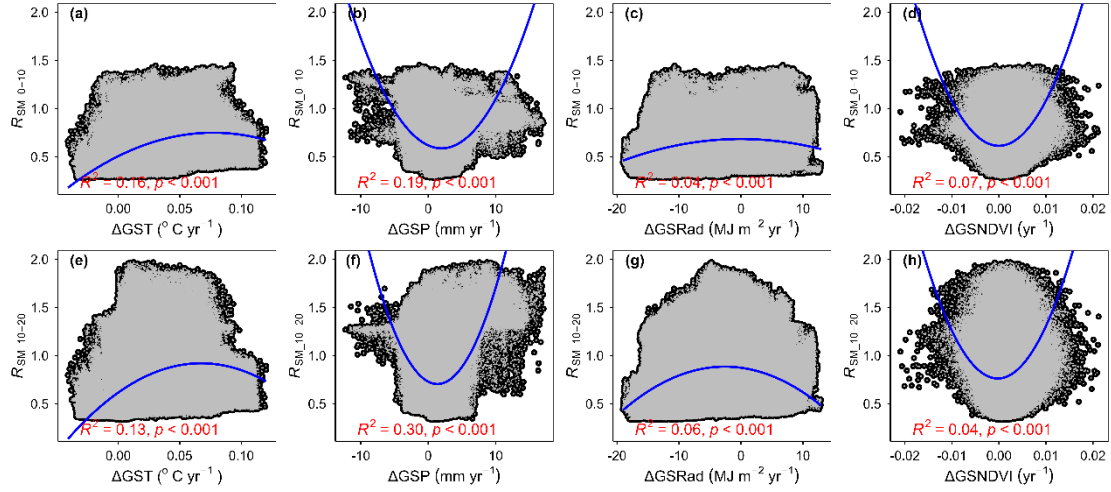


Figure S12 Relationships between (a) R_{SM_0-10} and ΔGST , (b) R_{SM_0-10} and ΔGSP , (c) R_{SM_0-10} and $\Delta GSRad$, (d) R_{SM_0-10} and $\Delta GSNDVI$, (e) R_{SM_10-20} and ΔGST , (f) R_{SM_10-20} and ΔGSP , (g) R_{SM_10-20} and $\Delta GSRad$, and (h) R_{SM_10-20} and $\Delta GSNDVI$.

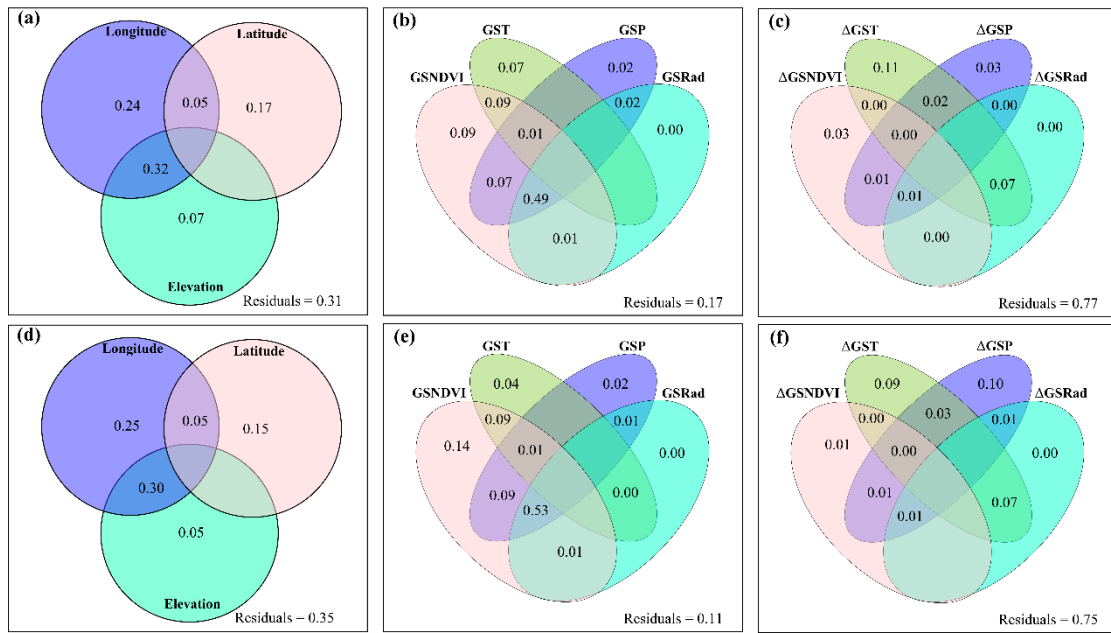


Figure S13 Relative influences of (a) elevation, latitude and longitude to R_{SM_0-10} , (b) GSNDVI, GST, GSP and GSRad to R_{SM_0-10} , (c) $\Delta GSNDVI$, ΔGST , ΔGSP and $\Delta GSRad$ to R_{SM_0-10} , (d) elevation, latitude and longitude to R_{SM_10-20} , (e) GSNDVI, GST, GSP and GSRad to R_{SM_10-20} , and (f) $\Delta GSNDVI$, ΔGST , ΔGSP and $\Delta GSRad$ to R_{SM_10-20} .

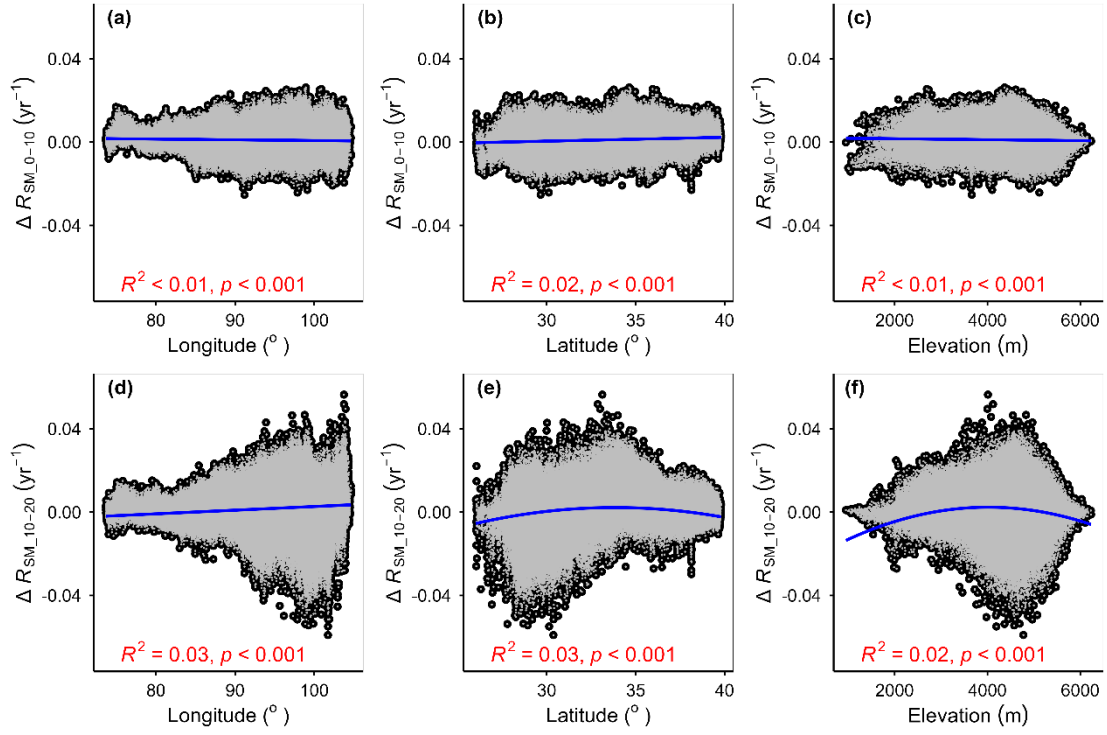


Figure S14 Relationships between (a) $\Delta R_{SM_{0-10}}$ and longitude, (b) $\Delta R_{SM_{0-10}}$ and latitude, (c) $\Delta R_{SM_{0-10}}$ and elevation, (d) $\Delta R_{SM_{10-20}}$ and longitude, (e) $\Delta R_{SM_{10-20}}$ and latitude, and (f) $\Delta R_{SM_{10-20}}$ and elevation.

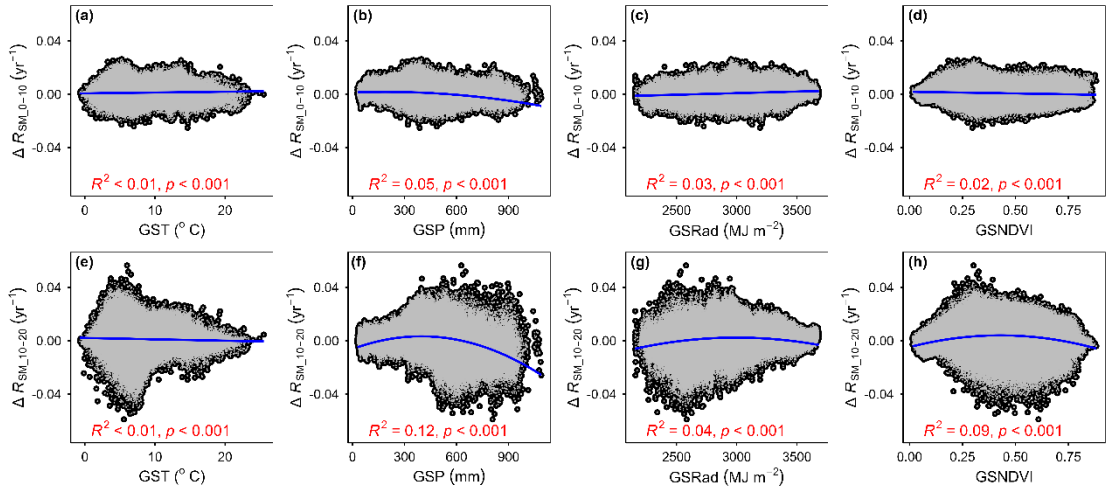


Figure S15 Relationships between (a) $\Delta R_{SM_{0-10}}$ and GST, (b) $\Delta R_{SM_{0-10}}$ and GSP, (c) $\Delta R_{SM_{0-10}}$ and GSRad, (d) $\Delta R_{SM_{0-10}}$ and GSNDVI, (e) $\Delta R_{SM_{10-20}}$ and GST, (f) $\Delta R_{SM_{10-20}}$ and GSP, (g) $\Delta R_{SM_{10-20}}$ and GSRad, and (h) $\Delta R_{SM_{10-20}}$ and GSNDVI.

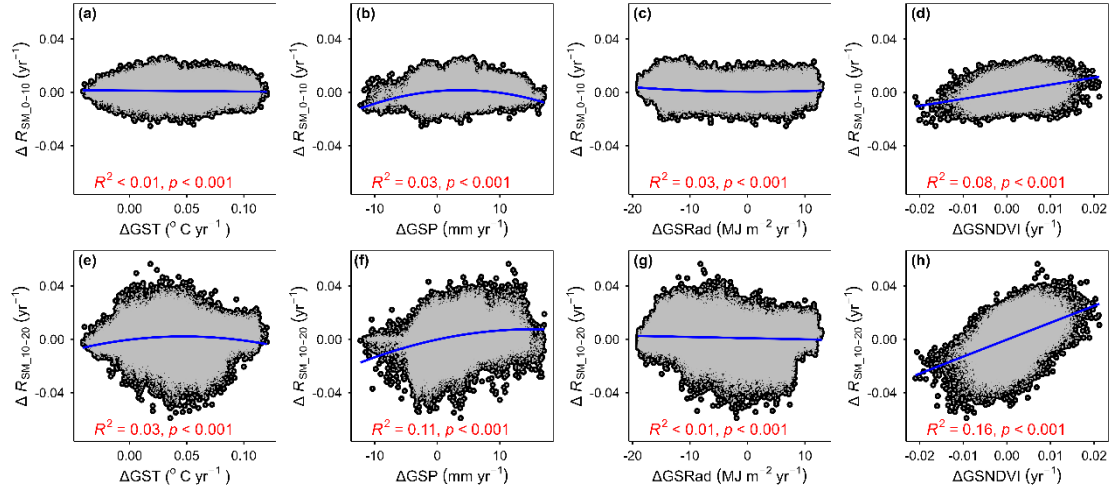


Figure S16 Relationships between (a) $\Delta R_{SM_{0-10}}$ and ΔGST , (b) $\Delta R_{SM_{0-10}}$ and ΔGSP , (c) $\Delta R_{SM_{0-10}}$ and $\Delta GSRad$, (d) $\Delta R_{SM_{0-10}}$ and $\Delta GSNDVI$, (e) $\Delta R_{SM_{10-20}}$ and ΔGST , (f) $\Delta R_{SM_{10-20}}$ and ΔGSP , (g) $\Delta R_{SM_{10-20}}$ and $\Delta GSRad$, and (h) $\Delta R_{SM_{10-20}}$ and $\Delta GSNDVI$.

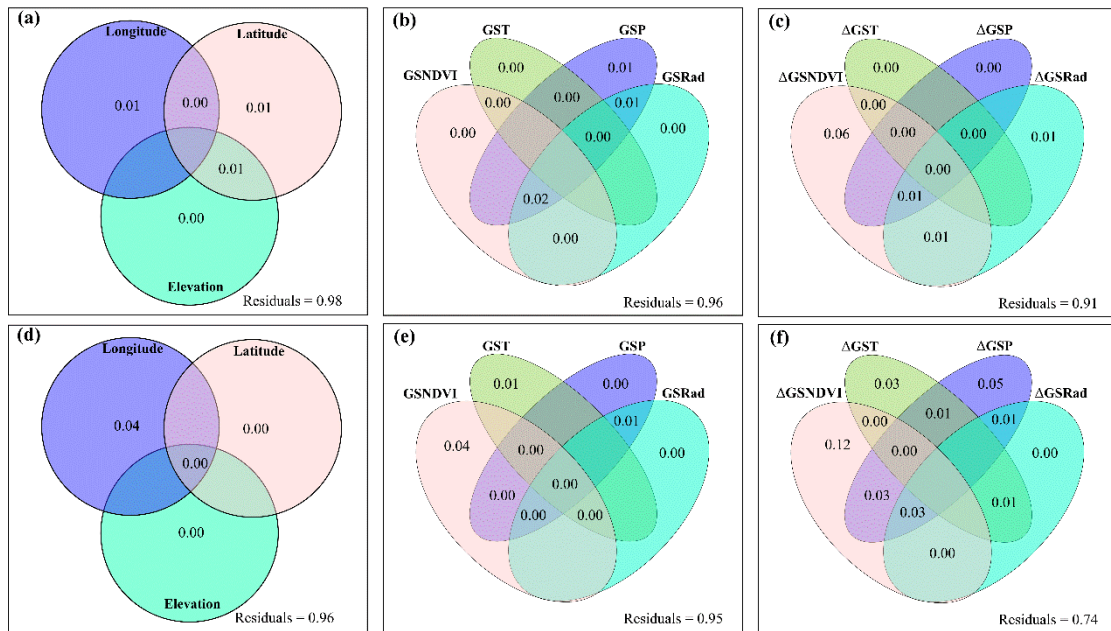


Figure S17 Relative influences of (a) elevation, latitude and longitude to $\Delta R_{SM_{0-10}}$, (b) GSNDVI, GST, GSP and GSRad to $\Delta R_{SM_{0-10}}$, (c) $\Delta GSNDVI$, ΔGST , ΔGSP and $\Delta GSRad$ to $\Delta R_{SM_{0-10}}$, (d) elevation, latitude and longitude to $\Delta R_{SM_{10-20}}$, (e) GSNDVI, GST, GSP and GSRad to $\Delta R_{SM_{10-20}}$, and (f) $\Delta GSNDVI$, ΔGST , ΔGSP and $\Delta GSRad$ to $\Delta R_{SM_{10-20}}$.