

	No time lag	5-year time lag
Corr(Recon. PC2 SLP, sunspots) 1700–1970	-0.06 ($p > 0.1$)	0.20 ($p < 0.01$)
5-year low-pass filtered data: Corr(Recon. PC2 SLP, sunspots) 1700–1970	-0.07 ($p > 0.1$)	0.29 ($p < 0.01$)
20-year low-pass filtered data: Corr(Recon. PC2 SLP, sunspots) 1700–1970	0.30 ($p < 0.05$)	0.53 ($p < 0.01$)
20–500 year band-pass filtered data: Corr(Recon. PC2 SLP, solar activity (^{14}C)) 1241–1970	0.30 ($p < 0.01$)	–
60–500 year band-pass filtered data: Corr(Recon. PC2 SLP, solar activity (^{14}C)) 1241–1970	0.60 ($p < 0.01$)	–