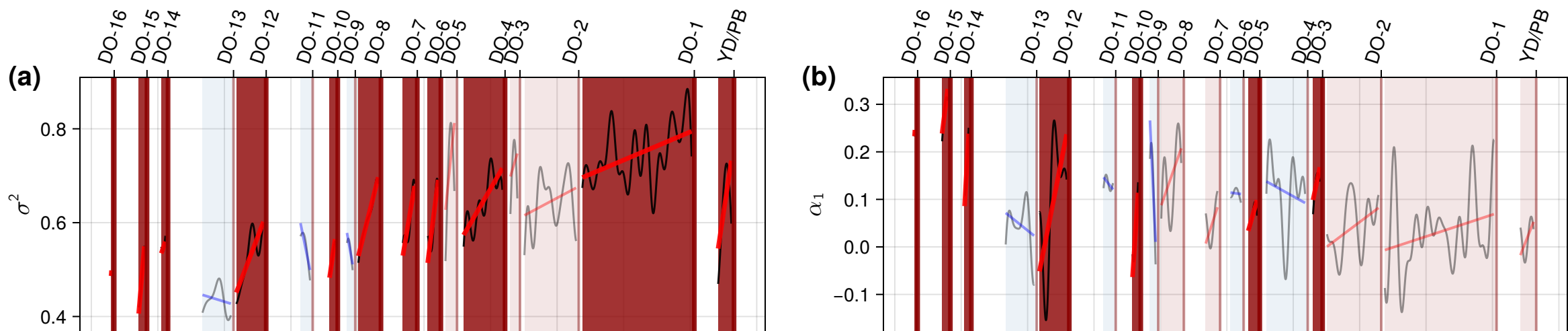
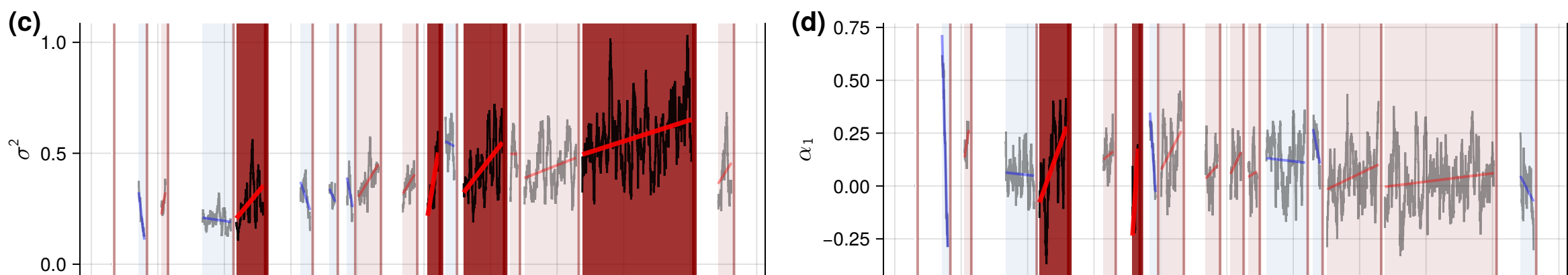


EWS in 100-year high-pass filtered NGRIP record with 5-year resolution

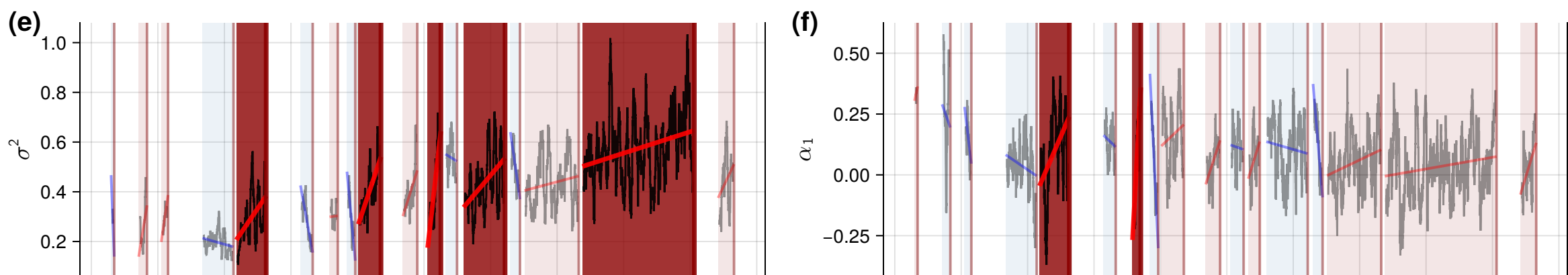
Boers, 2018: $n_{\sigma^2} = 11$, $n_{\alpha_1} = 7$, $n_{\text{both}} = 5$



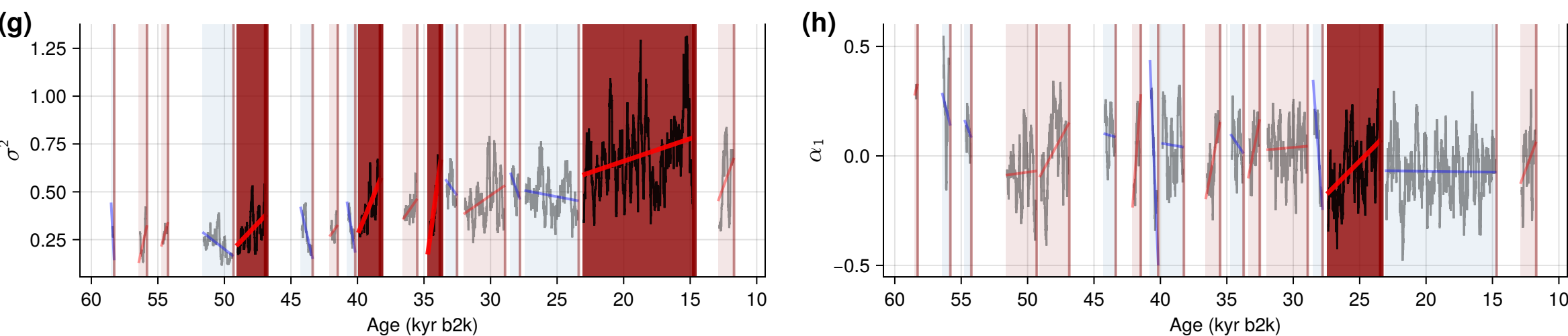
Modified significance testing (Step 1): $n_{\sigma^2} = 4$, $n_{\alpha_1} = 2$, $n_{\text{both}} = 1$



Modified EWS calculation (Step 2a): $n_{\sigma^2} = 5$, $n_{\alpha_1} = 2$, $n_{\text{both}} = 1$



Modified data preprocessing (Step 3): $n_{\sigma^2} = 4$, $n_{\alpha_1} = 1$, $n_{\text{both}} = 0$



— EWS indicator — increasing — decreasing — significantly increasing ($p < 0.05$)