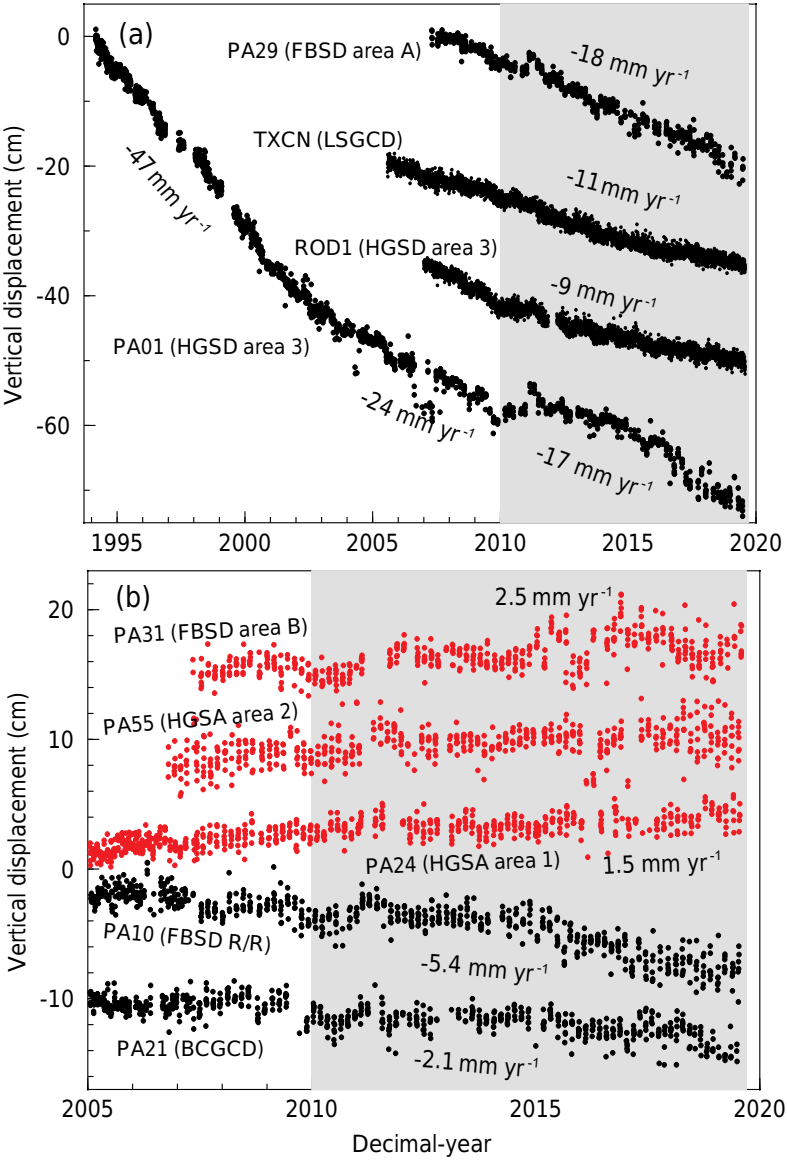Vertical displacement time series with respect to Houston20