

TABLE 3 The identification of the breakpoint changes and trend (Z) investigation for temperature (T), potential evapotranspiration (PET), and precipitation (P) during the period of 1950–2016

Factor	Upstream Basin		Significance Based on the Modified MK test	Breakpoint change (year)
	Original MK test Z-value	Modified MK test Z-value		
Temperature	2.576	8.131	***	1996
Precipitation	−0.065	−0.223	NS	1969
PET	2.414	4.543	***	1998
Factor	Downstream Basin		Significance Based on the Modified MK test	Breakpoint change (year)
	Original MK test Z-value	Modified MK test Z-value		
Temperature	4.921	17.252	***	1976
Precipitation	−0.022	−0.076	NS	1969
PET	1.927	3.760	***	1998

The significance levels tested are *** for $p < 0.001$, NS for $p \geq 0.1$.