

Table 1 the Information of Meteorological Stations

Zone NO.	ID.	Station Name	Latitude(N)	Longitude(E)
I	58921	Yongan	25.58 °	117.21 °
II	50527	Hailaer	49.13 °	119.45 °
III	51709	Kashi	39.28 °	75.52 °

Table 2 Correlation of precipitation and other measured meteorological factors

Zone NO.	ID.	Station Name	Correlation		
			Precipitation & Air temperature	Precipitation & Surface pressure	Precipitation & Specific humidity
I	58921	Yongan	0.641	0.103	0.703
II	50527	Hailaer	0.594	0.094	0.671
III	51709	Kashi	0.311	0.281	0.344

Table 3 Mann-Kendall test Z values for threemeasured meteorological factors

Zone NO.	ID.	Station Name	Value of Z		
			Air temperature	Surface pressure	Specific humidity
I	58921	Yongan	2.21	-0.21	-1.47
II	50527	Hailaer	1.82	1.94	1.52
III	51709	Kashi	2.07	2.01	1.64