

Characteristics of Heat Resources in Response to Climate Change in Northwest China

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Abstract: Based on the daily average temperature of 150 weather stations in northwest China from 1961 to 2003, the characteristics of the <0 , >0 and >10 accumulated temperature in response to climate change have been analyzed by using climatic tendency coefficient and climatic tendency quotiety. The interannual change of <0 , >0 and >10 accumulated temperature have been analyzed based on the time coefficient from EOF by means of wavelet analysis and Mann - Kendall method. The results show that <0 , >0 and >10 accumulated temperature presented increasing trend in Northwestern China, and the mean climatic tendency quotieties of <0 negative accumulated temperature, >0 and >10 accumulated temperature are 52.9 /10 a, 50.7 /10 a, 49.3 /10 a, respectively.

Key words: Northwest China; accumulated temperature; wavelet analysis; climatic tendency quotiety

2007年度优秀论文评选揭晓

为激励中青年气象科技人员不断创新、发表更多高水平的学术论文以及进一步提高《干旱气象》的载文质量,促进学术交流,本刊自2007年起建立年度优秀论文评选制度,并对优秀论文作者进行奖励。

2007年度优秀论文评选工作已经结束,经过编委推荐和编委会评审,从2007年发表的64篇学术论文中评选出4篇作为该年度的优秀论文,希望获得优秀论文奖的作者再接再厉,踊跃投稿,同时欢迎广大气象科技工作者积极投稿,共同把《干旱气象》办得更好。

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