

论文

近50年阜新地区气候变化特征分析

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摘要 根据1951—2000年阜新地区气温和降水资料,运用一元回归、相关分析等数理统计方法,对近50 a阜新地区气候变化进行了分析。分析表明:近50 a阜新地区年平均气温呈上升趋势,增温率为0.24℃/10 a,近30 a增温尤其明显。不同季节平均气温的变化趋势与年平均气温变化趋势基本一致,仅冬季平均气温有差异。根据近50 a冷暖波动情况,可将阜新地区划分成2个冷期和2个暖期。近50 a阜新地区年降水量呈下降趋势,递减率为8.009 mm/10 a,但是近30 a降水量呈上升趋势。各季节中夏、秋、冬季降水量呈上升趋势,但春季降水呈下降趋势。近50 a阜新地区降水变化可分为3个多雨期和3个少雨期。

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分类号

Analyzing climatic change characteristics in Fuxin area from 1951 to 2000

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Abstract According to temperature and precipitation data from 1951 to 2000 in Fuxin area, the climatic change characteristics were analyzed with mathematical statistics method. The results showed that temperature increased with 0.24 °C/10 a for last 50 years, especially for last 30 years. Variation trends of temperature in different seasons were similar to that of annual mean temperature except that in winter. Thus, the climatic change could be divided into two cold periods and two warm periods in Fuxin area according to temperature fluctuation for last 50 years. Furthermore, precipitation decreased with -8.009 mm/10 a, yet it increased for recent 30 years. Precipitation in spring decreased, while other seasons increased. Precipitation variation could be divided into 3 rainy periods and 3 less rain periods.

Key words [Temperature](#) [Precipitation](#) [Climatic change characteristics](#)

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