

论文

海温与中国黔东南季降水的相关分析

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摘要 采用相关分析法分析了1960—2006年黔东南各季降水与海表温度SST的关系。结果表明:不同区域SST与不同季节降水的相关时间、相关程度有较大差异。印度洋B区和NINO W区SST对中国黔东南地区降水影响显著的月份较多,中、东太平洋SST与秋、冬季降水影响显著。春、冬季降水与印度洋B区和NINO W区SST相关最为显著;夏季降水与黑潮A区SST相关最为显著;秋季降水与中、东太平洋的NINO 3.4区和NINO综合区SST相关最显著。ENSO暖事件与发生年冬季和结束年秋、冬季以及结束年的翌年春、

夏季降水关系较为密切,ENSO冷事件与发生年的冬季和结束年的秋季降水关系较为密切。

关键词 [黔东南](#) [季降水](#) [SST](#) [ENSO](#) [相关分析](#)

分类号

Correlation analysis between SST and seasons precipitation in Southeastern Guizhou

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Abstract The relationship between different seasonal precipitations and sea surface temperature(SST) in southeastern Guizhou was analyzed by the correlation analysis method.The results indicated that the time and the correlation between SST of different regions and precipitations of different seasons were obviously different.SST in the Indian Ocean B area and NINO W area influenced remarkably precipitation in southeastern Guizhou in most seasons.SST in the eastern and central Pacific Ocean was related obviously with precipitation in autumn and winter.The correlations between precipitation in spring and winter and SST in the Indian Ocean B area and NINO W area were significant.Precipitation in summer and SST in Japan Current A area correlated remarkably.And precipitation in autumn and SST in the eastern and central Pacific Ocean and NINO 3.4 area as well as in NINO synthesis area correlated remarkably.ENSO warm event had close relationships with its occurring year winter precipitation,its ending year autumn and winter precipitation,the next year spring and summer precipitation of its ending year,while ENSO cold event was with its occurring year winter precipitation and its ending year autumn precipitation.

Key words [Southeastern Guizhou](#) [Season precipitation](#) [SST](#) [ENSO](#) [Correlation analysis](#)

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