

## Effect of Mountainous Terrain on Heavy Rain in Jiuhua Mount

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**Abstract:** Rain is a disastrous weather it appears the time ,place and strength with the exception of the weather factor but by the terrain ,the effect is very significant. In this paper using the scenic area and the adjacent areas of the meteorological observation data and regional automatic weather station observation data analysis of mountainous terrain on Jiuhua Mount heavy rain effect. The results show that: the windward slope of forced uplift、trumpet-shaped topography convergence and local thermal shock effect is triggered Jiuhua Mount heavy rain weather important mechanisms ,local vortex circulation on heavy rain also has strengthening effect.

**Key word:** heavy rain; mountainous terrain; effect of

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