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雪峰山西麓中生代盆地属性及构造意义 [点此下载全文](#)

[张进](#) [马宗晋](#) [杨健](#) [陈必河](#) [雷永良](#) [王宗秀](#) [李涛](#)

中国地震局地质研究所, 中国地震局地质研究所, 山东青岛市地震局工程所, 湖南地质调查院, 中国石油与天然气地质科学院地质力学所, 中国地震局地质研究所

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摘要:

**摘要:** 雪峰山西侧发育有一系列的中生代盆地, 它们的形成与后期变形是华南地区晚三叠世以来板内变开世, 雪峰山地区由于桃江—安化—溁浦断裂的左行压剪作用, 在雪峰山西北侧形成早期沉麻前陆盆地, 而在雪峰盆地, 雪峰山西侧印支期并不存在统一的前陆盆地, 其印支期造山规模很有限, 为陆内造山。从白垩纪开始, 受制环境, 总体上经历了三期主要的盆地形成和改造事件。白垩纪早期沉麻盆地进入区域伸展阶段, 该时期的盆地水流表明物源为东西两侧的雪峰山和武陵山, 而中期沉麻盆地继承早期的伸展体制, 生长地层、地堑、地垒结构侧山地, 该期伸展可能与整个华南同期的伸展一样受控同样的机制。进入新生代, 雪峰山西麓盆地经历了两期重江—安化—溁浦的右行走滑, 产生了北东向的主压应力, 在沉麻盆地中产生了北东走向的张节理, 这些节理在后期变形的原因是由于55—25Ma之间, 由于印度—欧亚板块的碰撞在整个东亚地区产生的一系列右行走滑断裂所致。南东向挤压, 在沉麻盆地以及天柱盆地东缘形成了一系列的逆冲构造, 古生界以及元古界逆冲于中生界之上, 它的一组共轭节理。这期变形与整个东部中新世变形可能有同一的构造背景, 其原因与太平洋板块的俯冲无关, 而南向北运移并与华南大陆碰撞有关。

**关键词:** [雪峰山](#) [中生代](#) [沉麻盆地](#) [靖州盆地](#) [华南](#) [走滑](#) [桃江—安化—溁浦断裂](#)

The tectonic attributes of the Mesozoic basins along the western foothill of Xuefeng  
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[zhang jin](#) [Ma Zongjin](#) [Yang Jian](#) [Chen Bihe](#) [Lei Yongliang](#) [Wang Zongxiu](#) [Li Tao](#)

Institute of Geology, CEA, Institute of Geology, CEA, Institute of Engineering, Qingdao Earthquake Ad  
of Geological Survey, PetroChina Exploration & Development Research Institute, Institute of Geomech  
Geology, CEA

Fund Project:

Abstract:

**Abstract:** several basins have developed along the western foothill of Xuefengshan Mt since evolution and deformation resulted from the intraplate deformation of the south China plate since the Late Triassic—Early and Middle Jurassic, due to the left-lateral transpression along the Tao. Yuanma foreland basin developed to the northwest of Xuefengshan Mt., however to the west of the pull-apart basin such as the Jingzhou basin formed because of the strike-slipping. During the Late uniform foreland basin along the western foothill of Xuefengshan Mt., the intraplate orogeny during strong. Since the Cretaceous, these basins have undergone three important events. In the Early Cretaceous, the basin was not the foreland basin, the paleocurrent shows that Xuefengshan Mt to the east and Wulingshan Mt to the west. And during the late stage the basin also mechanism, the growth faults and grabens developed, paleocurrents also show the main provenances to the east and west of the basin, this extension may be similar to the coeval event occurring across. During the Cenozoic time, two important events occurred in the Yuanma basin. Due to the right lateral slip along the Taojiang—Anhua—Xupu fault, derived northeast trending compression which resulted in the development of joints in the basin, many of these joints evolved into late normal faults. This mechanism for the Eurasian collision during 55—25Ma which led to the development of serials of right lateral strike-slip faults in Asia. During the late period the northwest-southeast trending compression resulted in the thrusting of the Yuanma and Tianzhu basins, the Paleozoic strata thrust over the Mesozoic rocks. This compression is composed of one set of conjugate joints in the Yuanma basin. This deformation may be the same to the coeval deformation of the east China during the Miocene, which was not related to the subduction of the Pacific Plate, the Philippine Sea Plate moving northwards and the Eurasian Plate in the Miocene.

**Keywords:** [Xuefengshan Mt.](#) [Mesozoic](#) [Yuanma basin](#) [Jingzhou basin](#) [South China](#) [strike slipping](#)