

论文

新疆卡拉麦里地区晚古生代以来不同构造层特征及大地构造意义

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摘要:

摘要: 卡拉麦里地区石炭纪以来的岩石地层系统由三大套构造岩石地层单位构成, 分别是以劈理、紧闭褶皱极为发育的卡拉麦里蛇绿混杂岩带为代表的造山带基底层系, 以开阔褶皱为主要构造变形的石炭纪后碰撞构造层, 和高角度正断层及平缓褶皱较发育的二叠—侏罗纪陆内湖盆构造层。它们分别记录了卡拉麦里地区前石炭纪碰撞造山阶段、石炭纪后碰撞阶段和二叠纪后板内断陷 坳陷阶段的沉积 变形特征。

关键词: 卡拉麦里; 构造层; 蛇绿混杂岩带; 碰撞造山; 构造变形样式

The characteristics of different structure layers and tectonic implications since late Paleozoic in Kalamaily Area, Xinjiang

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Abstract:

Abstract: The lithostratigraphical system in Kalamaily Area since the Carboniferous is composed of three suits of tectono stratigraphic sequences. They are: (1) an orogenic base sequence characterized by ophiolite mélangé belt with cleavages and tight folds; (2) a post collision tectonic layer of Carboniferous with most broad folds; and (3) an inter continental basin tectonic layer of Permian to Jurassic full of both high angle normal faults and gentle folds. They represent the characteristics of sediment formation of pre Carboniferous collision stage, Carboniferous post collision stage and intra plate fault controlled depression stage of Permian, respectively.

Keywords:

Key words: Kalamaily; tectonic layer; ophiolite mélangé belt; collision orogeny; tectonic deformation style

收稿日期 null 修回日期 null 网络版发布日期 null

DOI:

基金项目:

国家油气重大专项(2008ZX05009 001)课题; 国家重点基础研究发展计划“973”项目(2007CB411305)

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