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青藏高原东缘古近纪粗碎屑岩沉积学及其构造意义 点此下载全文

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基金项目: 国家重点基础研究发展规划项目(编号G1998040800)、国家自然科学基金(编号49972026, 39972026) (编号KZCXZ-SW-117) 和美国国家自然科学基金项目联合资助的成果

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摘要:

青藏高原东缘古近纪盆地的填图和沉积学研究表明,在青藏高原东缘区域性走滑-挤压构造背景下形成的古层状的紫红色粗碎屑岩系。其沉积特征指示为一种近源快速堆积的泥石流和辫状河道沉积体,形成于干旱炎热气境。盆地充填序列、粗碎屑岩层序、动植物化石和盆地内岩浆岩~(40)Ar-~(39)Ar年代学等综合研究结果表明, 238~29 Ma。该时期与青藏高原东缘北段(横断山地区)古近纪盆地的形成和南段(兰坪—思茅地区)大盆地的裂解藏高原在晚始新世—早渐新世期间曾发生过整体的快速构造隆升。

关键词: 粗碎屑岩 构造隆升 古近纪盆地 青藏高原东缘

Sedimentology and Tectonic Significance of Paleogene Coarse Clastic Rocks in Eastern $\underline{Fulltext}$

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Abstract:

Field mapping and sedimentologic investigations of Paleogene basins in eastern Tibet sugges characteristics of widespread thick-bedded, purplish red, coarse-grained clastic series of Paleogregional strike-slipping and thrusting indicate that the series is a proximal and rapid-accumulat flows and a fan-surface braided river in a typical dry and hot subaerial alluvial fan environment filling and coarse clastic rocks, fauna and sporopollen associations and $40 \mathrm{Ar}/39 \mathrm{Ar}$ dating confirm rocks formed in Paleogene basins in the period of $38~29~\mathrm{Ma}$, nearly coeval with the formation of northern segment (Hengduanshan area) and the disintegration of large basins in the southern segment resedimentologic characteristics of the Paleogene coarse-grained clastic rocks, basin tectonics indicate that a rapid wholesale tectonic uplift may have occurred in the Tibetan Plateau from the Oligocene.

Keywords: coarse clastic rocks tectonic uplift Paleogene basins eastern Tibet plateau