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羌塘盆地中部晚三叠世地层特征 [点此下载全文](#)

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摘要:

羌塘盆地中部以土门格拉断裂带为界,其西南部出露上三叠统土门格拉群,其东北部出露上三叠统结扎群和鄂尔陇巴组,研究认为岩石基本特征大体一致,双壳类化石组合反映地质时代都为诺利期;岩石地球化学分析表明土门格拉群为古盐度较低、氧化、干热、弱碱性浅水环境,结扎群和鄂尔陇巴组为古盐度稍高、弱还原、温暖潮湿的较深水环境;旋回地层研究表明区内经历了一次完整的二级相对海平面变化旋回(由四个三级旋回组成),海水进退程南北一致。区内古地理格局具有西高东低、南浅北深(水深)的特点,沉积自北东向南西超覆,层位逐渐抬高穿时;岩性、厚度、颜色和沉积相类型上的差异是统一沉积背景下沉积物相变、穿时的结果。前人以土门格拉断裂带为界,将土门格拉群和结扎群分置于两个地层大区(藏滇地层大区,华南地层大区)的认识值得商榷。

关键词: [晚三叠世](#) [沉积特征](#) [地层对比](#) [羌塘盆地](#) [西藏](#)

Sedimentary Characteristic of the Late Triassic Strata in the Central Qiangtang Basin [Download Fulltext](#)

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Abstract:

The Late Triassic Tumengela Group and Jiezha Group in the central Qiangtang basin are distributed in the southwestern and ortheastern sides of the Tumengela Fault. Bivalves assemblages of them show that they are middle—late Norian stage, Late Triassic. Based on the palaeosalinity, paleoclimate, and trace element contents, as well as lithochemical data, it is concluded that the Tumengela Group in southwestern region sedimented in shallow water environments of lower salinity, oxidation, higher evaporation and lkaescence; then, the Jieza Group in northeastern region sedimented in deep water environments of higher salinity, deoxidation and warm humidity. Based on types of meter scale cyclic sequences and their fabric features of facies secuess, a complete second order cycle of relative sea level change occurred during the Late Triassic, contained mainly 4 third order cyc les. The basic characteristic of the Late Triassic strata is unanimous, the feature of paleogeographical framwork was that the southern part was shallow water and the northern part deep water; the differences of them are originated from sedimentary facies change and diachrononism. So, it is worth rediscussing whether the Tumengela fault is the boundary of Xi zang(Tibet)—Yunnan strata region and Yangtze strata region or not.

Keywords: [Late Triassic](#) [sedimentary feature](#) [strata contrast](#) [Qiangtang basin](#)

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