

Early Permian dropstones found in the Baoshan Block drifted from Gondwana

Ken-ichiro Hisada[1], Tetsuo Sugiyama[2], Katsumi Ueno[3], Koichi Nagai[4], Xiang-dong Wang[5]

[1] Inst. Geosci., Univ. Tsukuba, [2] Earth System Sci., Fukuoka Univ., [3] Dept. Earth System Sci., Fukuoka Univ., [4] Physics and Earth Sci., Univ. Ryukyu, [5] Nanjing Inst. Geol. Paleont., Chinese Acad. Sci.

The dropstone was discovered from the Lower Permian clastic rocks sequence near the Dongshanpo village at Shidian, 30 km south of Baoshan, western Yunnan. The dropstone is included in the thinly bedded siltstone, and only one clast, about 30 cm in diameter, occurs within an about 5m-thick interval of siltstone. Besides it, granules, a few millimeters in diameter, are rarely found in bedded siltstone. The largest and subrounded clast is composed of fine-grained quartzite. The megaclast is characterized by a high-angled relationship between its long axis and the lamination of bedded siltstone. The striation on the surface of clast is unobserved. This discovery of dropstone confirms that the Baoshan block was derived from the northern part of Gondwana.