

## Fault exposure in the Yokote basin accompanied with the 1896 Rikuu earthquake Akita prefecture, Northeast Japan

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Surface ruptures occurred with the 1896 Rikuu earthquake in the northern part of the eastern margin of the Yokote Basin fault zone in Akita Prefecture (the Shiraiwa, Ota, and Senya faults). However, the accurate traces of surface ruptures were not settled especially around the Takayashiki area, Shiraiwa fault.

In this study, we found a new outcrop of the Shiraiwa fault which moved associated with the Rikuu Earthquake and revealed that the surface traces of 1896 faulting was convexly curved to the upstream ward in the valley floor.

Keywords: Rikuu earthquake, surface trace, fault scarp, fault outcrop