

Drainage from short-lived glacial lake in the Tien Shan, Central Asia.

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Many small glacial lakes are located at glacier fronts in the northern Tien Shan in the Kyrgyz Republic, Central Asia. In the region of the Issyk-Kul Basin, four large drainages occurred between 2006, 2008, 2013 and 2014 (Narama et al., 2010, 2018). These large drainages were caused by the “short-lived type” of glacial lakes which rapidly grew and drained within a few months (Narama et al., 2010, 2018; Daiyrov et al., 2018, 2019). To investigate drainage phenomena from short-lived lake, we set water level data logger and interval camera at the Korumdu Glacier, the northern Tien Shan. We got hydrograph of drainage from short-lived lake in 2017, 2018 and 2019.

Keywords: short-lived glacial lake, hydrograph, ice tunnel, Tien Shan