

## Preliminary report on the ice core drilling in Pamir-Arai Mountains, Central Asia in 2016

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In order to reconstruct local climate change in the western area of the Asian high mountain region, three ice cores were recovered from an ice cap in Pamir-Arai Mountains in Kyrgyz Republic, Central Asia in summer of 2016. The drilling site was located at 5300 m asl on a small ice cap in 20 km west from Mt. Lenin. The first drilling was stopped at 7 m in depth due to appearance of melt water in the firn layers. The second drilling was stopped at 12 m in depth due to crevasse. The third core was successfully reached to the bottom of the ice cap. The depth was 37 m. The borehole temperature was -6.3C at the bottom. Results show that the snow was melt and refrozen at this elevation and the quality of the core was not as good as expected.

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