

ACC022-05

Room: Exhibition hall 7 subroom 1

Time: May 28 14:45-15:00

## Ice core stratigraphy on the Grigoriev Ice Cap in Kyrgyzstan

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In 2007, we took the ice core in Grigoriev Ice Cap. The analysis of the stratigraphy is important of dating. It is analyzed of visual, CT, MRI, laser, and aniline, etc. We report on the stratigraphy in the ice core from the mosaic image. The image analysis took a picture of the ice core with the video camera, and made the mosaic images using the mosaic software (Asia Air Survey Ltd). The stratigraphy was classified based on the ice layer, the dust layer, and the bubble distribution from 1 ? 32m. The result was the ice-layer about 16m and mix-layer (ice and firn) about 3m. It became about 60% of the whole. Moreover, there were 8 dust layers.

Keywords: Ice core, stratigraphy, mosaic image