

ACC022-05

会場:展示ホール7別室1

時間: 5月28日14:45-15:00

キルギスタン・グリゴレア氷河で掘削されたコアの層構造

Ice core stratigraphy on the Grigoriev Ice Cap in Kyrgyzstan

直木 和弘^{1*}, 竹内 望², 藤田 耕史³, 岡本 祥子³, Vladimir Aizen⁴

Kazuhiro Naoki^{1*}, Nozomu Takeuchi², Koji Fujita³, Sachiko Okamoto³, Vladimir Aizen⁴

¹宇宙航空研究開発機構, ²千葉大学, ³名古屋大学, ⁴アイダホ大学

¹JAXA, ²Chiba Univ., ³Nagoya Univ., ⁴Idaho Univ.

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.

キーワード:雪氷コア,層構造,モザイク画像

Keywords: Ice core, stratigraphy, mosaic image