

NEEM 氷床コア解析による完新世のメタン濃度復元（続報）

川村賢二^{1,2}、北村享太郎¹、Remi Dallmayr¹

¹ 国立極地研究所、²JAMSTEC

Holocene CH₄ concentrations in the NEEM ice core (updated results)

Kenji Kawamura^{1,2*}, Kyotaro Kitamura¹, Remi Dallmayr¹

¹NIPR, ²JAMSTEC

We have developed gas extraction and analyses systems for ice core measurements at NIPR. They include a wet extraction system, sample splitting line, GC measurement system, and isotope measurement system. We started the measurements of real ice core samples in 2012 and have continued the measurements of the NEEM ice core for the Holocene period. We have nearly completed single analyses of most samples with some multiplicate measurements. The records of CH₄ and N₂O concentrations, as well as elemental and isotopic ratios of N₂, O₂ and Ar will be presented and discussed.