

## マルチビームソナーを利用した熱水海域のプルームの観察

## Plume observation in hydrothermal fields using multi-beam sonar

\*青山 千春<sup>1</sup>、近藤 万太郎<sup>1</sup>、中村 亮介<sup>1</sup>、野田 佳奈美<sup>1</sup>、熊谷 英憲<sup>2</sup>

\*Chiharu Aoyama<sup>1</sup>, Mantaro Kondo<sup>1</sup>, Ryosuke Nakamura<sup>1</sup>, Kanami Noda<sup>1</sup>, HIDENORI KUMAGAI<sup>2</sup>

1. 国立大学法人東京海洋大学、2. 国立研究開発法人海洋研究開発機構

1. Tokyo University of Marine Science and Technology, 2. Japan Agency for Marine-Earth Science and Technology

Multi-beam sonar (EM122) onboard “YOKOSUKA” and “KAIMEI” is capable of measuring precise submarine topography and obtaining water column data. It can be used to measure plumes discharged underwater, and to analyze the data. This function is used to measure seeping plumes in hydrothermal sea area. The author examined the acoustic data (Volume Backscattering Strength=SV) analysis to figure out if it is possible to distinguish the components of the plumes.

キーワード：マルチビームソナー、プルーム、体積戻り散乱強度

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