

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



MIS036-P58

Room:Convention Hall

Time:May 26 14:15-16:15

Bathymetric feature around Japan Trench obtained by JAMSTEC multi narrow beam survey

Yukari Kido^{1*}, Toshiya Fujiwara¹, Tomoyuki Sasaki², Masataka Kinoshita¹, Shuichi Kodaira¹, Mamoru Sano¹, Yuji Ichiyama¹, Yasunori Hanafusa¹, Seiji Tsuboi¹

¹JAMSTEC, ²AORI, Univ Tokyo

Bathymetric map covered with Northeast Japan, off Sanriku and Japan Trench area are compiled by JAMSTEC cruise data. Data source are SeaBeam2100 and 2112 series, SeaBat 8160 and HS10 multi-narrow beam bathymetry by JAMSTEC research vessels obtained since 1997 through 2010. Japan500m_mesh bathymetric dataset compiled by Japan Hydrographic Department, Maritime Safety Agency, which is 500m by 500m-gridded data, cover the loss of multi-narrow precise survey area. These datasets were smoothly merged using weighted means and simple averages by Generic Mapping Tools (GMT) software (Wessel & Smith, 1995).

These mappings are basic knowledge of bathymetric features before gigantic earthquake.

Since June 2008, JAMSTEC data search portal and research cruise data sites are available as shown below for general public.

<http://www.jamstec.go.jp/e/database/index.html>

http://www.godac.jamstec.go.jp/dataportal/index_eng.html

<http://www.godac.jamstec.go.jp/cruisedata/e/>

Keywords: Japan Trench, Multi-narrow beam bathymetry, JAMSTEC data search portal, JAMSTEC cruise database