

INTERNATIONAL HYDROGRAPHIC ORGANIZATION	INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)
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UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

Note: The boxes will expand as you fill the form.

Name Proposed:	Fujin Seamount	Ocean or Sea:	Philippine Sea (Northern Mariana region)
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Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
		Yes				

* Geometry should be clearly distinguished when providing the coordinates below.

Coordinates:	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	24°00.9'N (summit)	142°57.4'E (Summit)
	24°05.6'N	142°54.3'E
	24°05.1'N	142°58.6'E
	24°03.8'N	142°59.8'E
	24°03.5'N	143°01.7'E
	24°01.5'N	143°03.6'E
	23°58.8'N	143°03.8'E
	23°56.4'N	142°59.2'E
	23°55.5'N	142°58.9'E
	23°56.0'N	142°56.8'E
	23°58.7'N	142°53.7'E
24°01.8'N	142°52.0'E	

Feature Description:	Maximum Depth:	4902 m	Steepness :	6.3° (NW slope)
	Minimum Depth :	3257 m	Shape :	Conical shape
	Total Relief :	1627 m	Dimension/Size :	240 km ²

Associated Features:	Serpentinite flow lobes and domes, fault scarps
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	W1004B, W1009

Reason for Choice of Name (if a person, state how associated with the feature to be named):	A pair of searpentinite seamounts, North Chamoro Seamount and South Chamoro Seamount, in the southern end of the Mariana forearc region is well known and stands separately from the other serpentinite seamounts which are populated densely in the central part of the Mariana forearc region. During YK09-06 cruise, we discovered another pair of serpentinite seamounts from the northern end of the Mariana forearc region. In order to symbolize being a pair of serpentinite seamounts and having a circular outline in the bathymetric map, we propose the names Fujin Seamount (the northern seamount) and Raijin Seamount (the southern seamount) after a famous pair of Japanese gods. Fujin is the god of wind carrying the winds in a circular bag on his shoulders. Raijin is the god of thunder having a circle of drums. The name proposed is the northern seamount.
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Discovery Facts:	Discovery Date:	June 2009
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	Discoverer (Individual, Ship):	The Japanese research vessel "Yokosuka"
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Supporting Survey Data, including Track Controls:	Date of Survey:	June 2009
	Survey Ship:	The Japanese research vessel "Yokosuka"
	Sounding Equipment:	Multibeam Echo Sounder SEABEAM2112
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy (nm):	GPS: 0.008 (nm)
	Survey Track Spacing:	4.8 miles
	Supporting material can be submitted as Annex in analog or digital form. See attached files.	

Proposer(s):	Name(s):	Hisayoshi Yokose ¹ , Hirokazu Maekawa ² , Makoto Yuasa ³
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	Organization and Address:	1: Earth & Environment Sci. Graduate School of Sci. & Technol. Kumamoto Univ., 2-39-1 Kurokami, Kumamoto, Kumamoto, 860-8555, Japan 2: Graduate School of Science, Osaka Pref. Univ., 1-1 Gakuen-cho, Sakai, Naka-ku, Osaka 599-8531, Japan 3: Surv. Japan/ AIST, Central 7 1-1-1 Higashi, Tsukuba, Ibaraki, 305-8567, Japan
	Concurrer (name, e-mail, organization and address):	

Remarks:	Dive survey using manned submersible SHINKAI 6500 was carried out on this seamount during the YK09-06 cruise sponsored by JAMSTEC.
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NOTE : This form should be forwarded, when completed :

- a) **If the undersea feature is located inside the external limit of the territorial sea :-**
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea :-**
to the IHB or to the IOC, at the following addresses :

International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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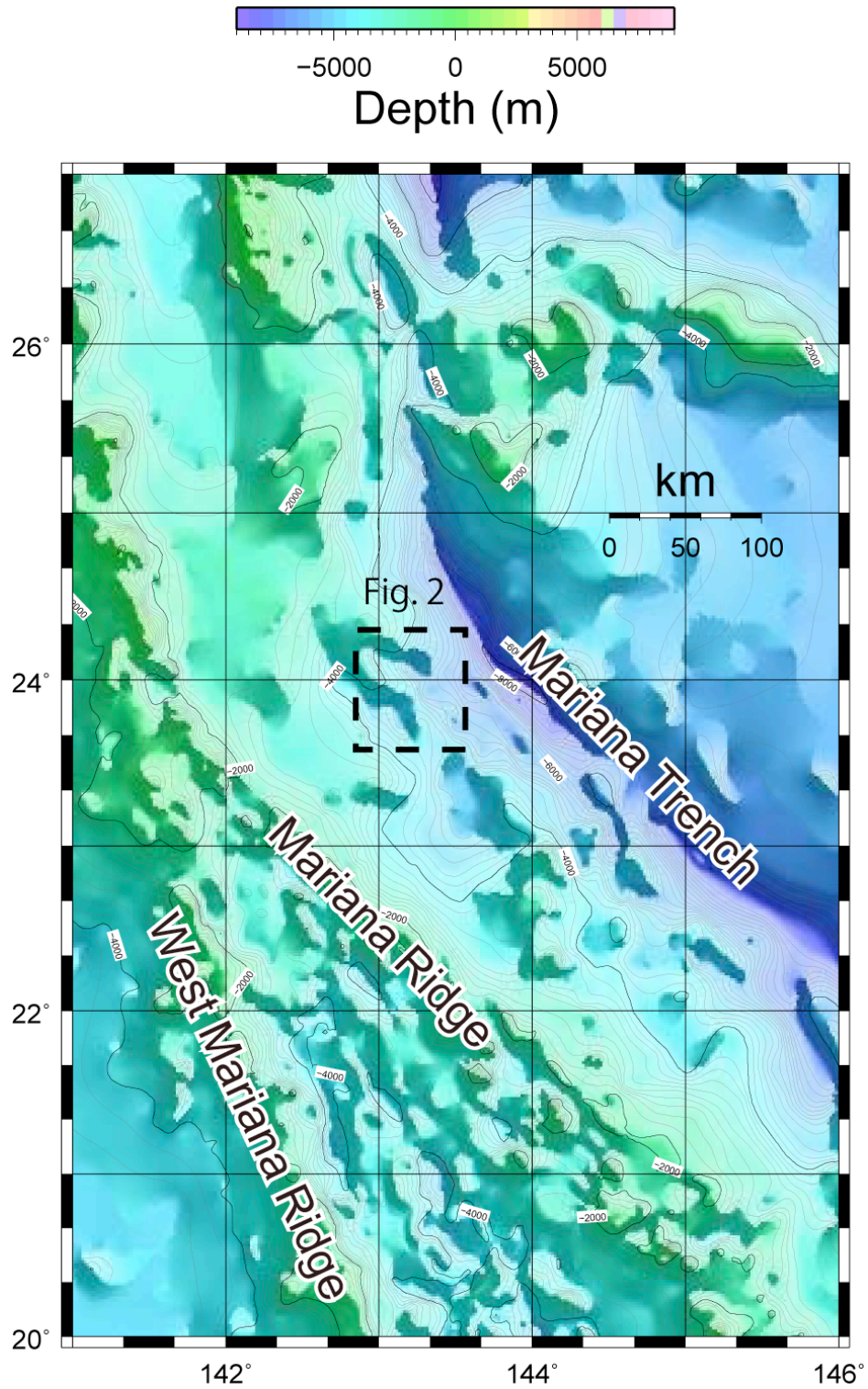


Fig. 1. Regional bathymetric map showing the location of the Fujin and Raijin Seamounts as in the boxed area. See Fig. 2 for the detailed bathymetry.

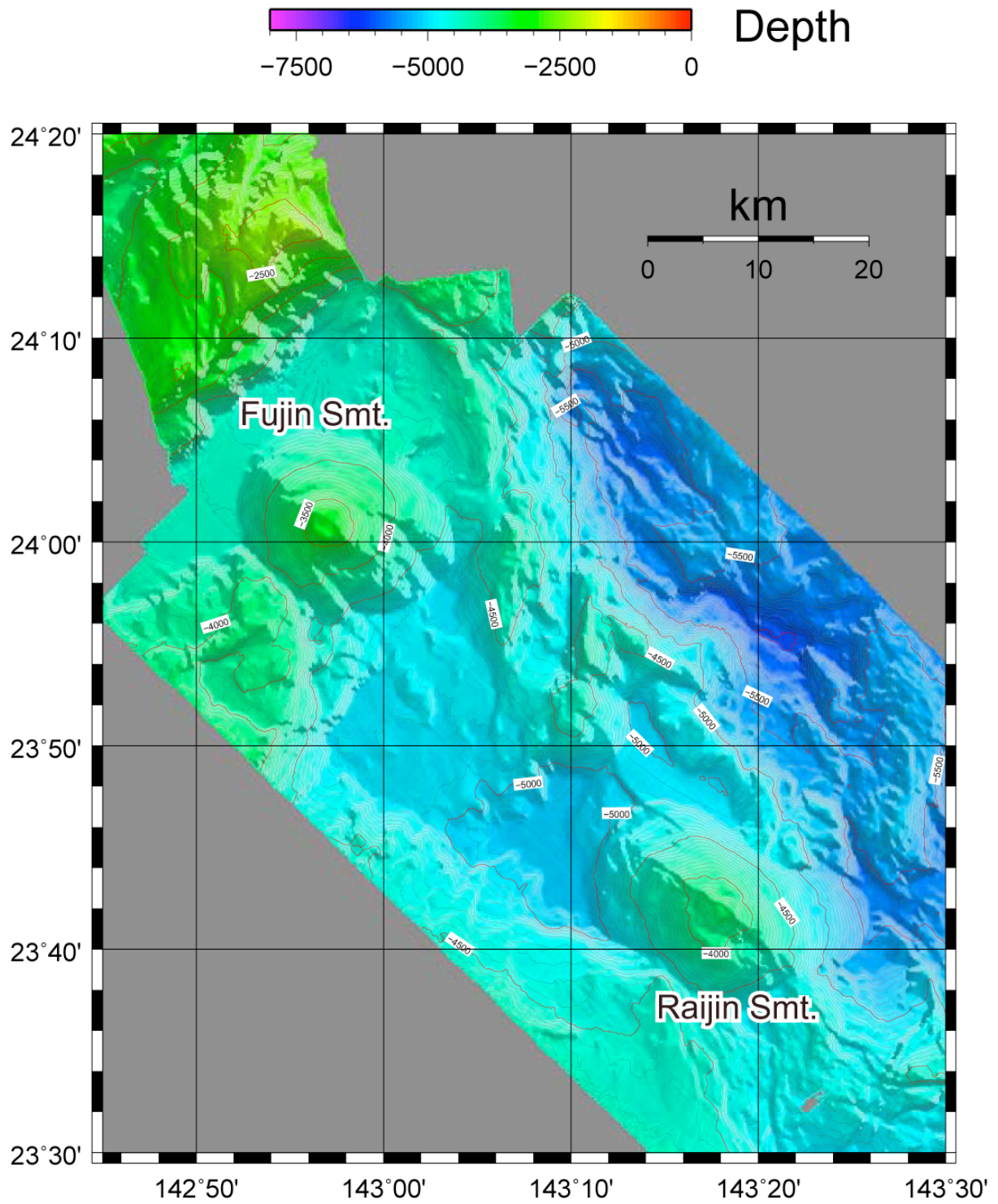


Fig. 2. Bathymetric map of the Fujin and Raijin Seamounts. Contours are in 50 m.

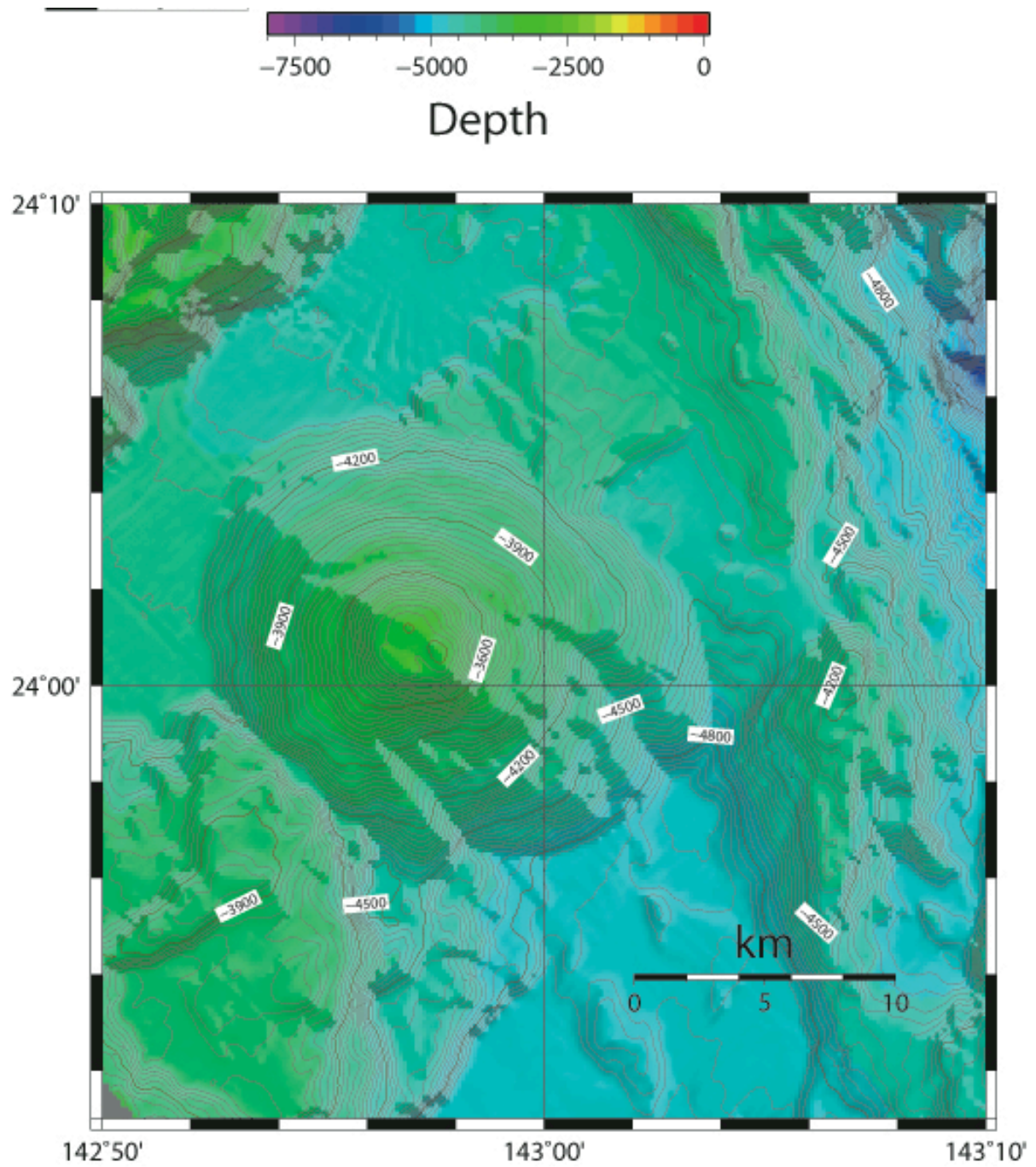


Fig. 3. Bathymetric map of the Fujin Seamount. Contours are in 30 m.

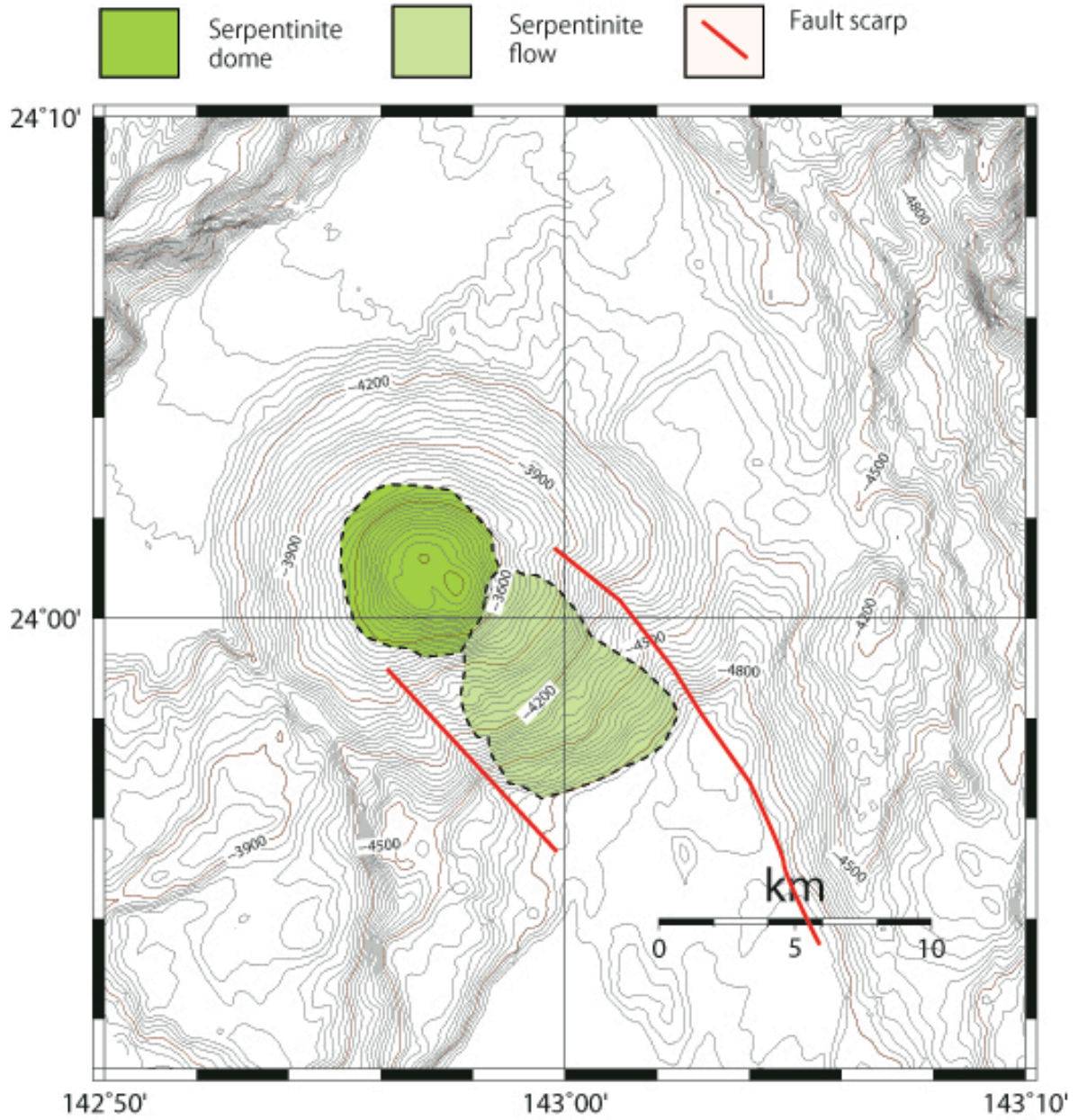


Fig. 4. Geological interpretation of the Fujin Seamount. Contours are in 30 m.

YK09-06 Cruise Track Chart (R/V Yokosuka)

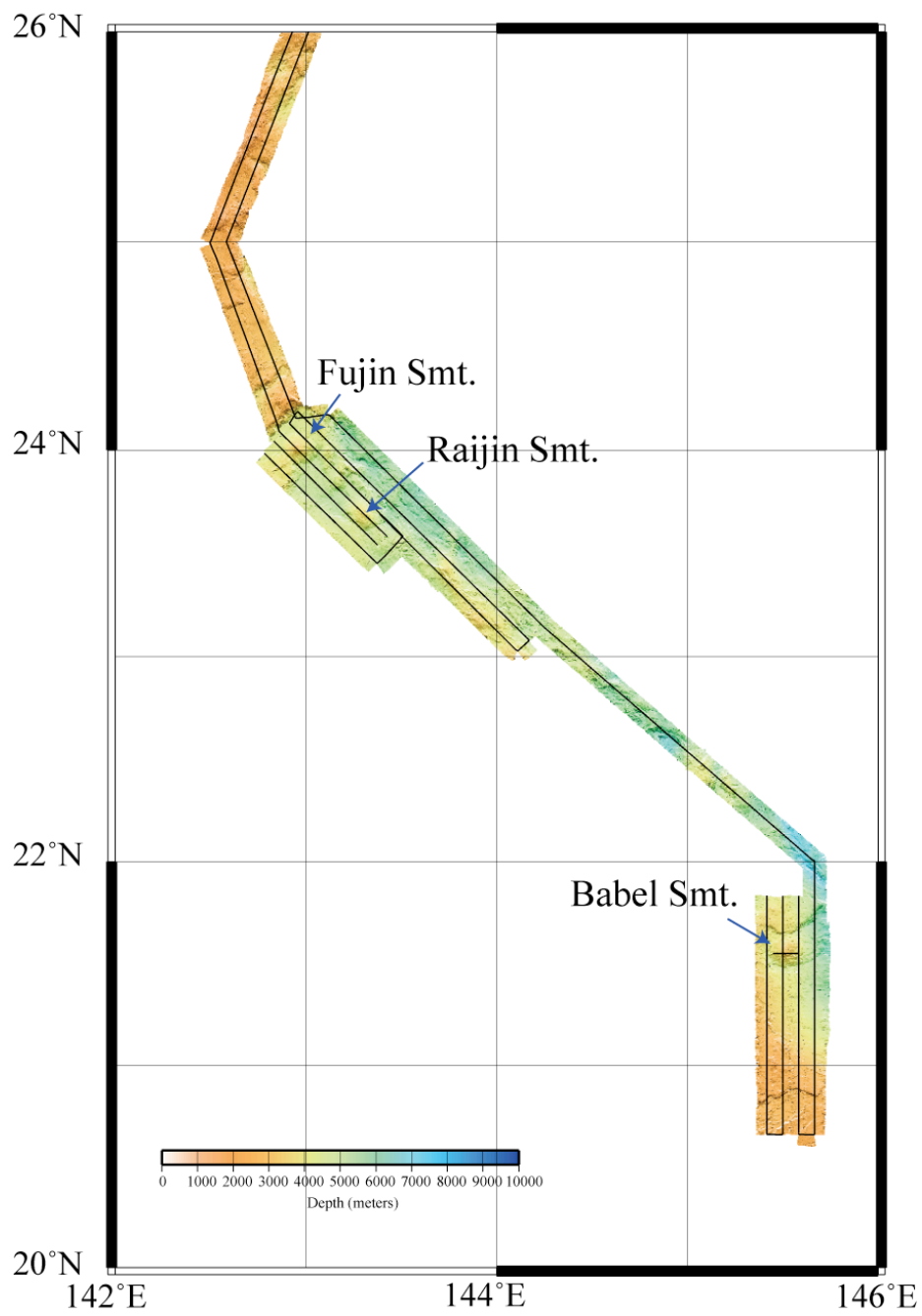


Fig. 5. Track chart of the YK09-06 cruise aboard R/V Yokosuka.