

**UNDERSEA FEATURE NAME PROPOSAL**  
(See IHO-IOC Publication B-6 and NOTE overleaf)

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

<b>Name Proposed:</b>	Gufeng Ridge	<b>Ocean or Sea:</b>	South Atlantic Ocean
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<b>Geometry that best defines the feature (Yes/No) :</b>						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
		Yes				

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

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
<b>Coordinates:</b>	30°13.0'S (Top)	13°48.1'W (Top)
	30°07.2'S (Bottom)	13°48.7'W (Bottom)
	30°08.7'S	13°49.3'W
	30°10.3'S	13°49.2'W
	30°12.0'S	13°49.1'W
	30°13.8'S	13°48.8'W
	30°15.0'S	13°48.5'W
	30°16.2'S	13°48.4'W
	30°16.5'S	13°47.6'W
	30°16.0'S	13°46.7'W
	30°14.9'S	13°46.7'W
	30°12.1'S	13°47.2'W
	30°10.0'S	13°47.6'W
	30°08.8'S	13°48.0'W
	30°07.3'S	13°47.7'W
30°07.2'S	13°48.7'W	

<b>Feature Description:</b>	Maximum Depth:	3010 m	Steepness :	
	Minimum Depth :	2450 m	Shape :	line
	Total Relief :	560 m	Dimension/Size :	20 km * 3.5 km

<b>Associated Features:</b>	This ridge is located at the southern part of Rio Grande Transform fault and develops in the central part of the valley. It is a continuous volcano ridge with a length of 20 km and width of 3.5 km.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Gu Feng means strong wind blowing in the valley. This entity is a ridge and where there is ridge there is valley. The strong wind blowing in the valley makes air rough as proud sea waves, well matched with the tempestuous character of South Atlantic Ocean. This name denotes that the seamount is grand and magnificent.
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<b>Discovery Facts:</b>	Discovery Date:	May, 2015
	Discoverer (Individual, Ship):	Chinese R/V Chukochoenhao

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	May, 2015
	Survey Ship:	Chinese R/V Chukochoenhao
	Sounding Equipment:	Multi-beam Echo Sounding System (SeaBat7150)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	≤0.08 nm
	Survey Track Spacing:	5 nm
	Supporting material can be submitted as Annex in analog or digital form: see Annex	

<b>Proposer(s):</b>	Name(s):	China Ocean Mineral Resources R&D Association (COMRA)
	Date:	July 1, 2017
	E-mail:	<a href="mailto:comra@comra.org">comra@comra.org</a>
	Organization and Address:	Fuxingmenwai Street No.1, Xicheng District, Beijing, China
	Concurrer (name, e-mail, organization and address):	

<b>Remarks:</b>	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names (CCUFN). No.1, Fuxingmenwai Street, Xicheng District, Beijing, China, 100860 <a href="mailto:heyunxu@sina.com">heyunxu@sina.com</a>
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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 Publication B-6) or, if this does not exist or is not known, either to the IHO 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 IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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# Annex

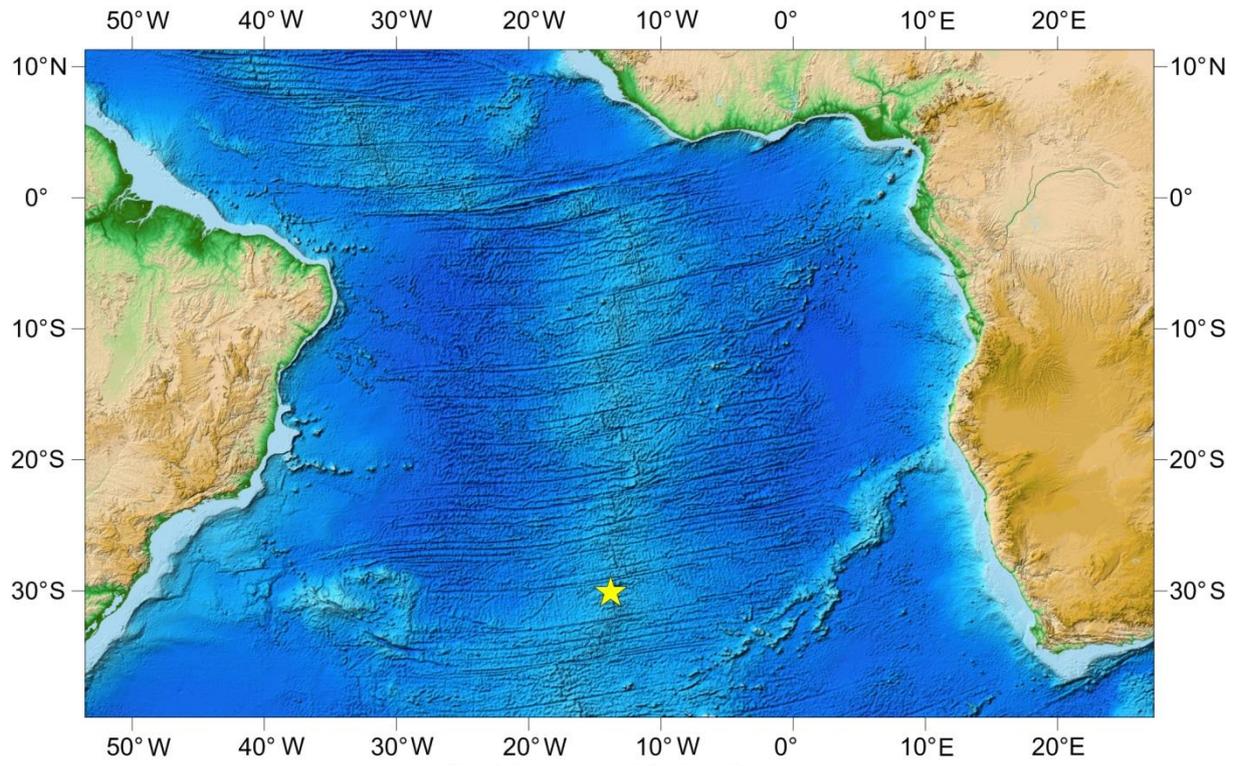


Fig. 1 Location of Gufeng Ridge

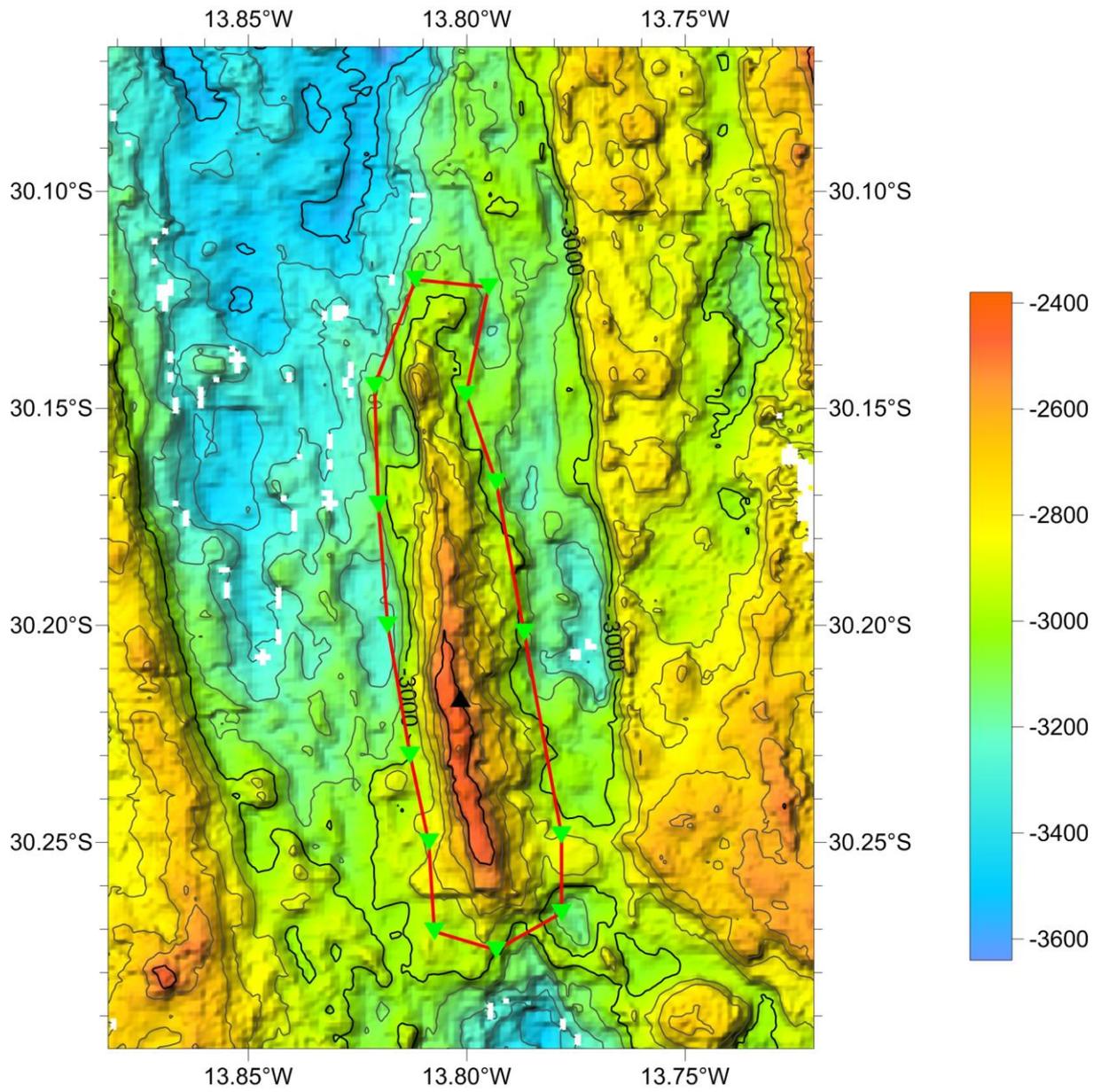


Fig. 2 Bathymetric map of Gufeng Ridge (Contours are in 100 m)

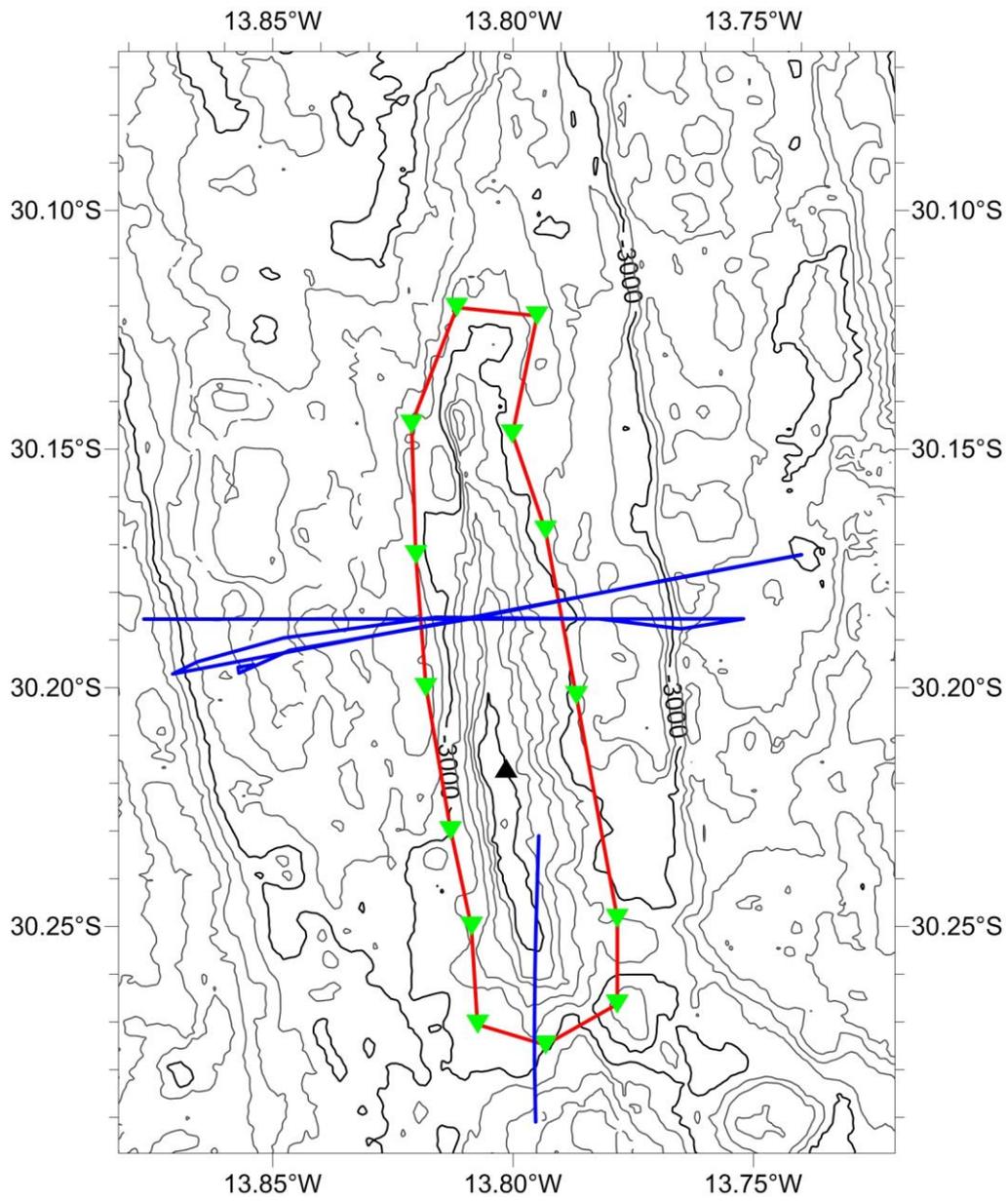


Fig. 3 Bathymetric and survey line map of Gufeng Ridge (Contours are in 100 m, blue ones are survey lines)

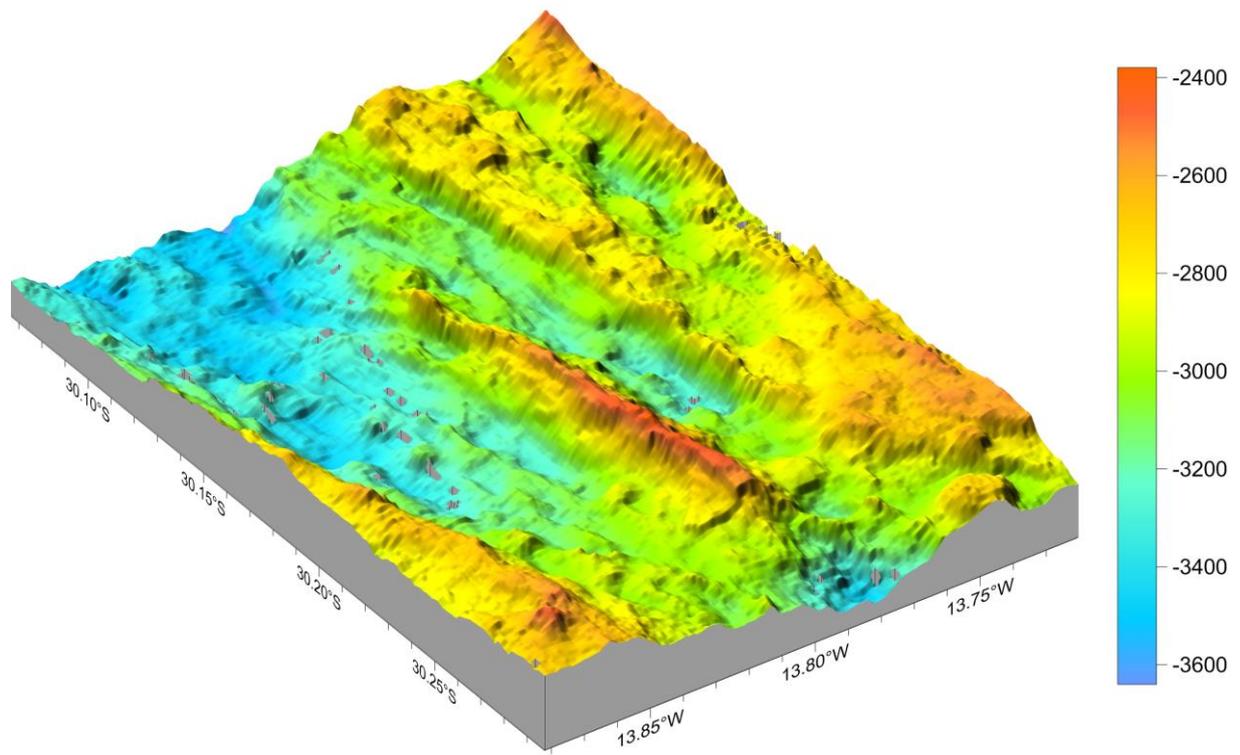


Fig. 4 3-D topography map of Gufeng Ridge

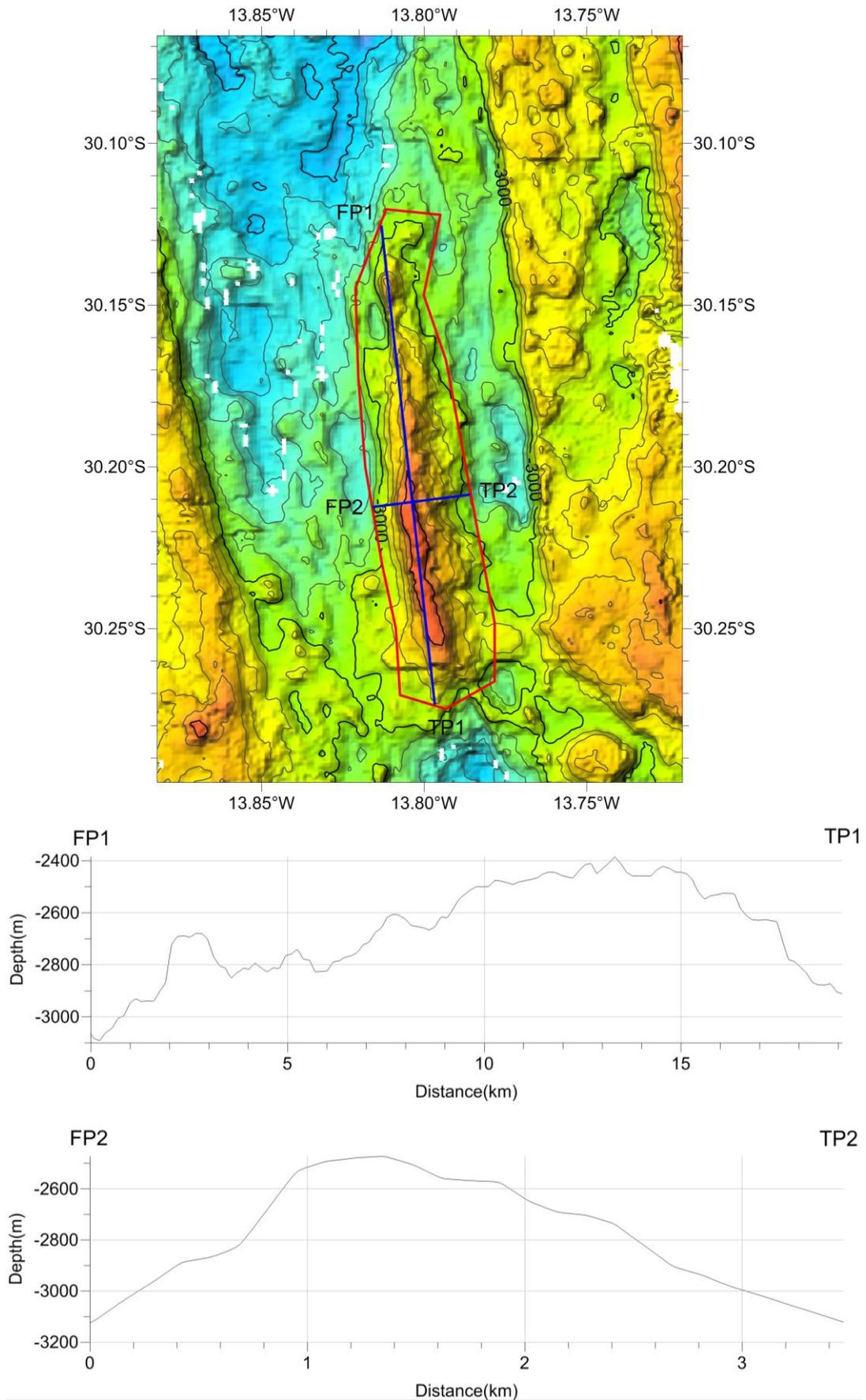


Fig. 5 profile map of Gufeng Ridge