

**UNDERSEA FEATURE NAME PROPOSAL**

(See NOTE overleaf)

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

<b>Name Proposed:</b>	Penxi Ridge	<b>Ocean or Sea:</b>	South China Sea
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<b>Geometry</b> 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.

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
<b>Coordinates:</b>	12°46.3'N	112°10.6'E
	12°52.2'N	112°04.6'E
	13°00.5'N	111°47.6'E
	13°11.8'N	111°43.0'E
	13°18.0'N	111°32.1'E
	14°00.3'N	111°33.2'E
	14°05.5'N	111°16.0'E
	14°16.7'N	111°15.5'E
	14°38.6'N	111°37.9'E
	14°50.3'N	112°16.0'E
	15°02.1'N	112°27.9'E
	15°12.4'N	112°32.5'E
	15°27.0'N	112°52.0'E
	15°17.9'N	113°02.4'E
	15°05.1'N	112°53.8'E
	14°59.6'N	113°16.6'E
	15°06.6'N	113°34.2'E
	15°02.0'N	113°43.8'E
	14°53.6'N	114°01.2'E
	14°36.8'N	114°04.2'E
13°54.3'N	113°23.0'E	
12°57.4'N	113°06.1'E	
12°46.3'N	112°10.6'E	

<b>Feature Description:</b>	Maximum Depth:	4000m	Steepness :	
	Minimum Depth :	500m	Shape :	
	Total Relief :	3500m	Dimension/Size :	300km × 200km

<b>Associated Features:</b>	Penxi Ridge lies in the western slope of South China Sea. It comprises of several seamounts, hills and valleys. This ridge extends from southwest to northeast.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the	The Chinese government named the ridge as Penxi Ridge in 1986 for
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feature to be named):	the ridge is to the west of South China Sea Basin. In 1998-1999 and 2005, China carried out multi-beam measurement for this ridge again.
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<b>Discovery Facts:</b>	Discovery Date:	1980-1982
	Discoverer (Individual, Ship):	R/V Haiyang Erhao

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	1998-1999;2005
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	<=0.08
	Survey Track Spacing:	4.5nm
	Supporting material can be submitted as Annex in analog or digital form.	

<b>Proposer(s):</b>	Name(s):	Zhu Benduo, Huang Wenxing
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<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 Ave. Beijing 100860 heyunxu@sina.com
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Attachment

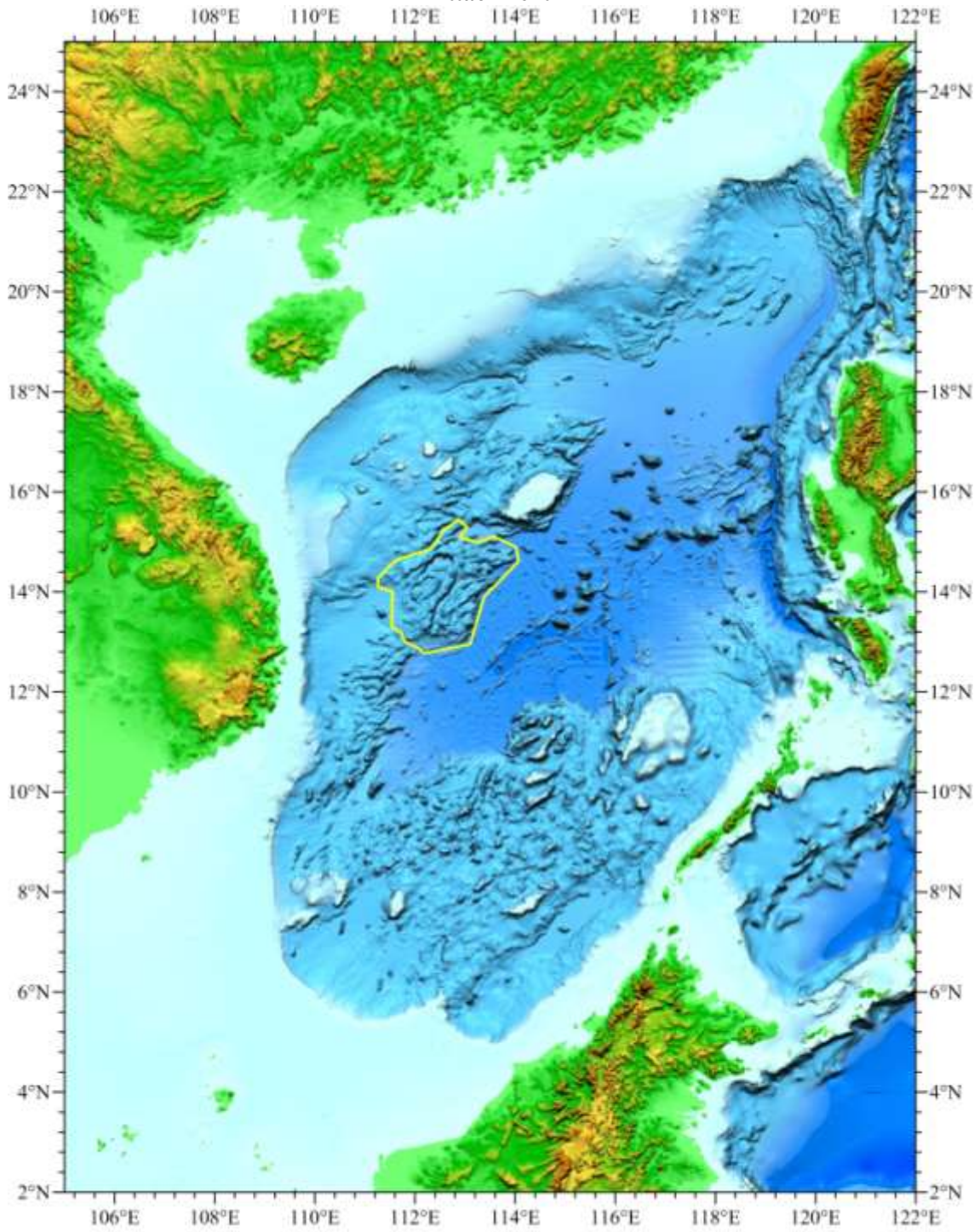


Fig.1 Index map showing the location of the Penxi Ridge.

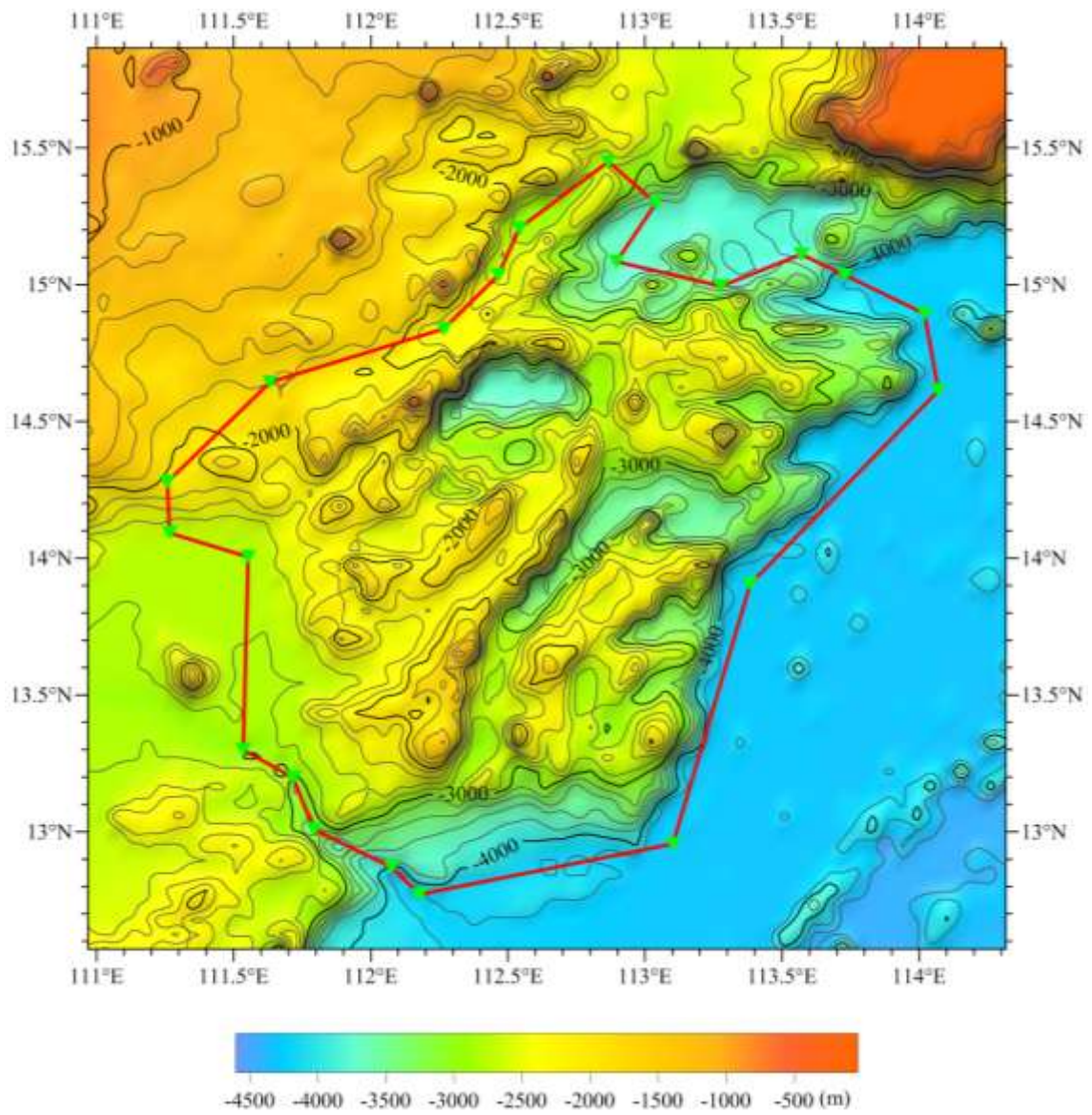


Fig.2 Bathymetric map of the Penxi Ridge (Contours are in 200 m)

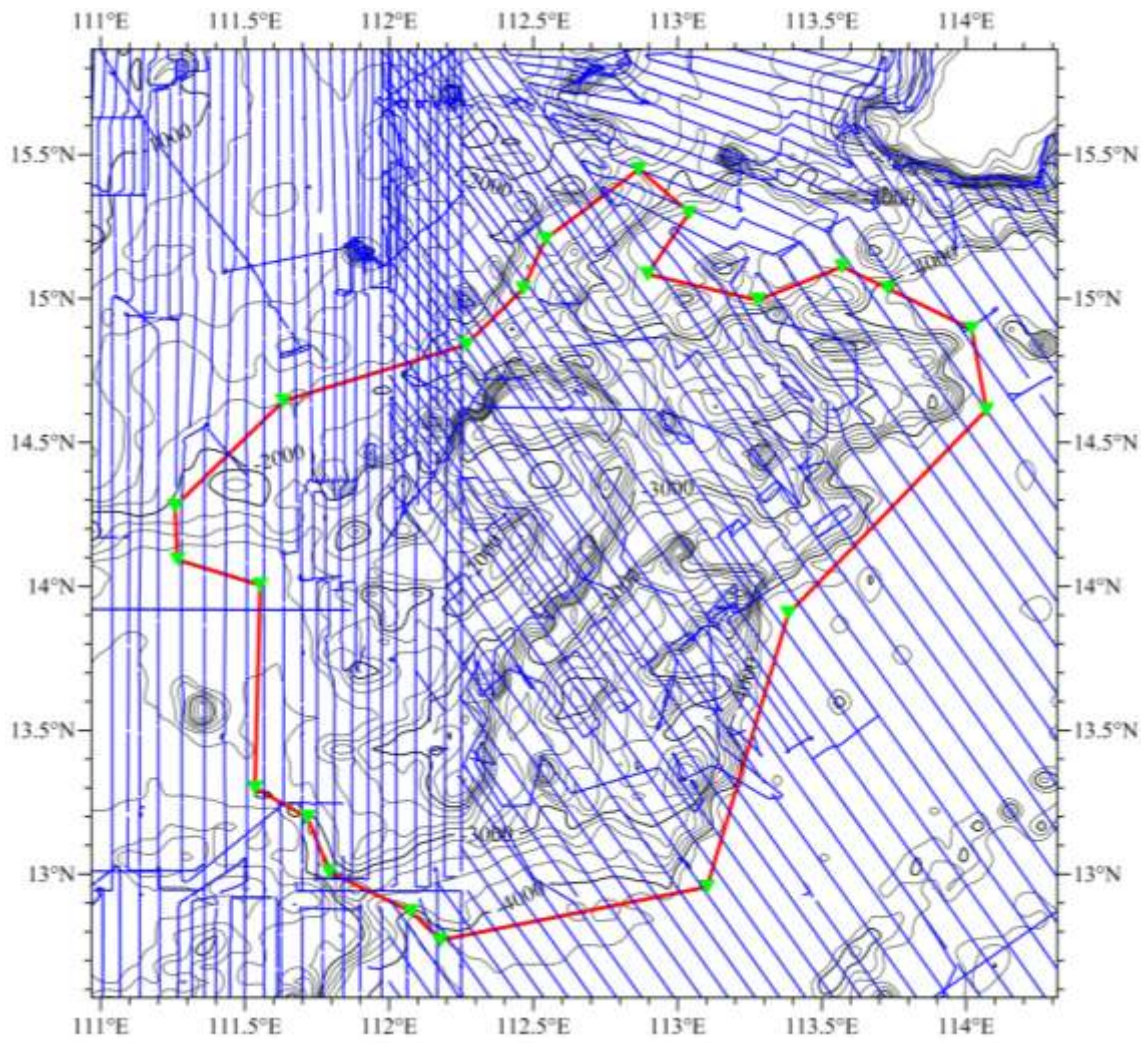


Fig.3 Bathymetric map of the Penxi Ridge overlain with track lines  
(Contours are in 200 m, blue lines for the track lines)

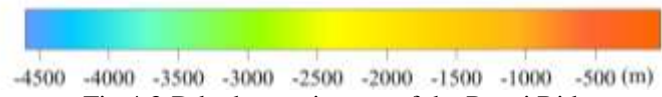
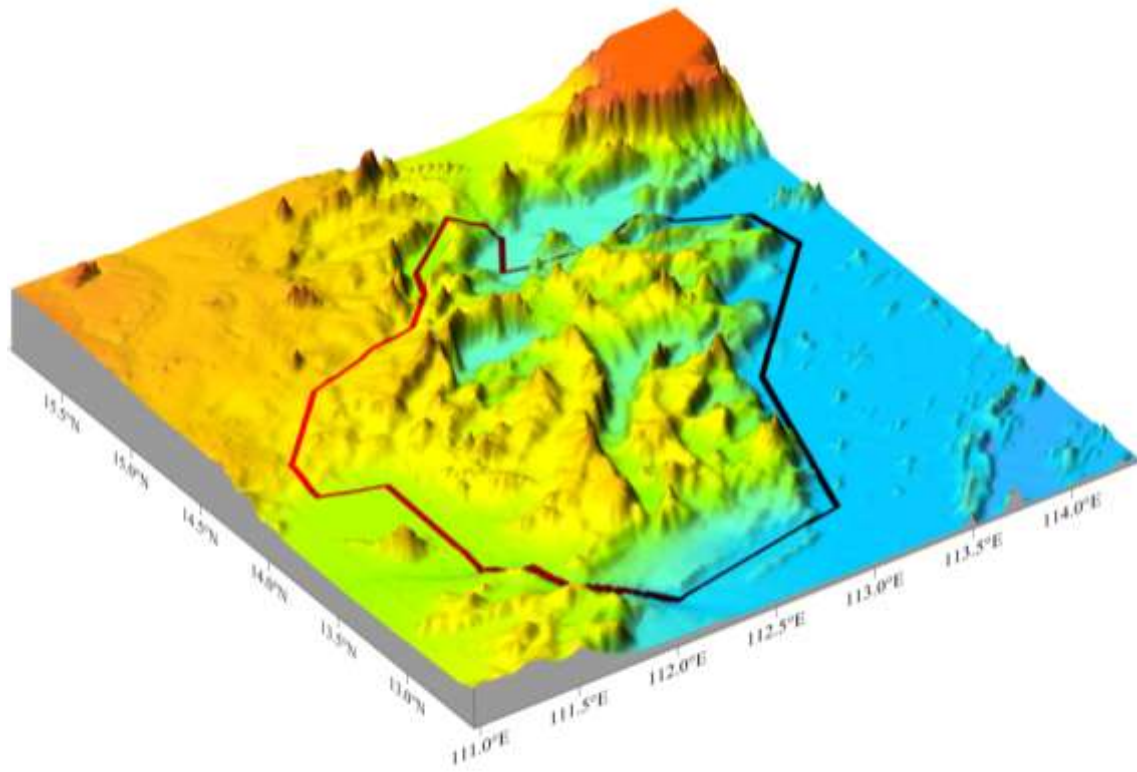


Fig.4 3-D bathymetric map of the Penxi Ridge

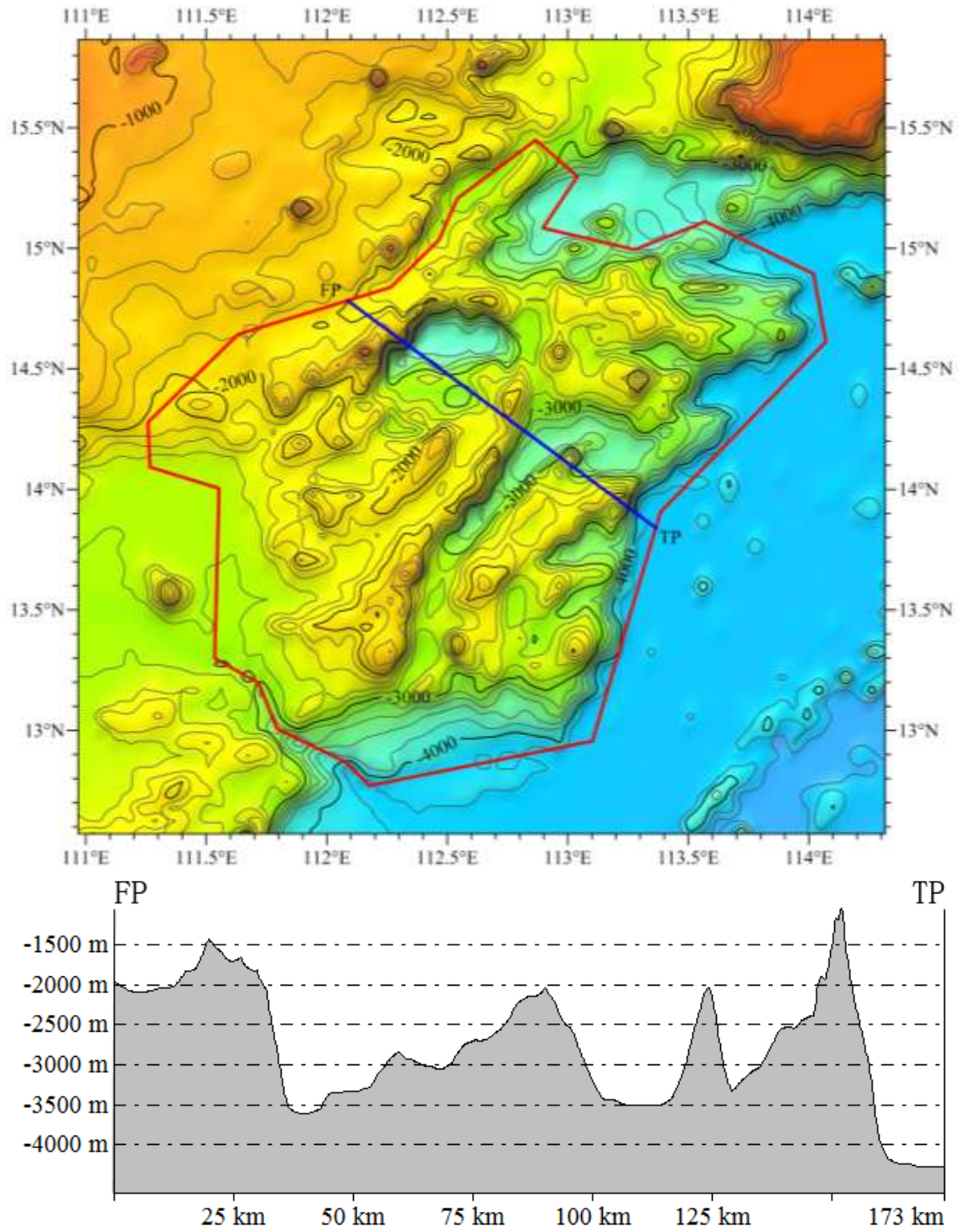


Fig.5 Profile map of the Penxi Ridge