

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Penxi Ridge	Ocean or Sea:	the South China Sea
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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.

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
Coordinates:	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	

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

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

Reason for Choice of Name (if a person, state how associated with the	Penxi Ridge has been named and used since 1986 by China. The
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feature to be named):	ridge was named Penxi because it 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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Discovery Facts:	Discovery Date:	1980-1982
	Discoverer (Individual, Ship):	R/V Haiyang Erhao

Supporting Survey Data, including Track Controls:	Date of Survey:	1980-1982; 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.	

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Remarks:	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 heyunxu@sina.com
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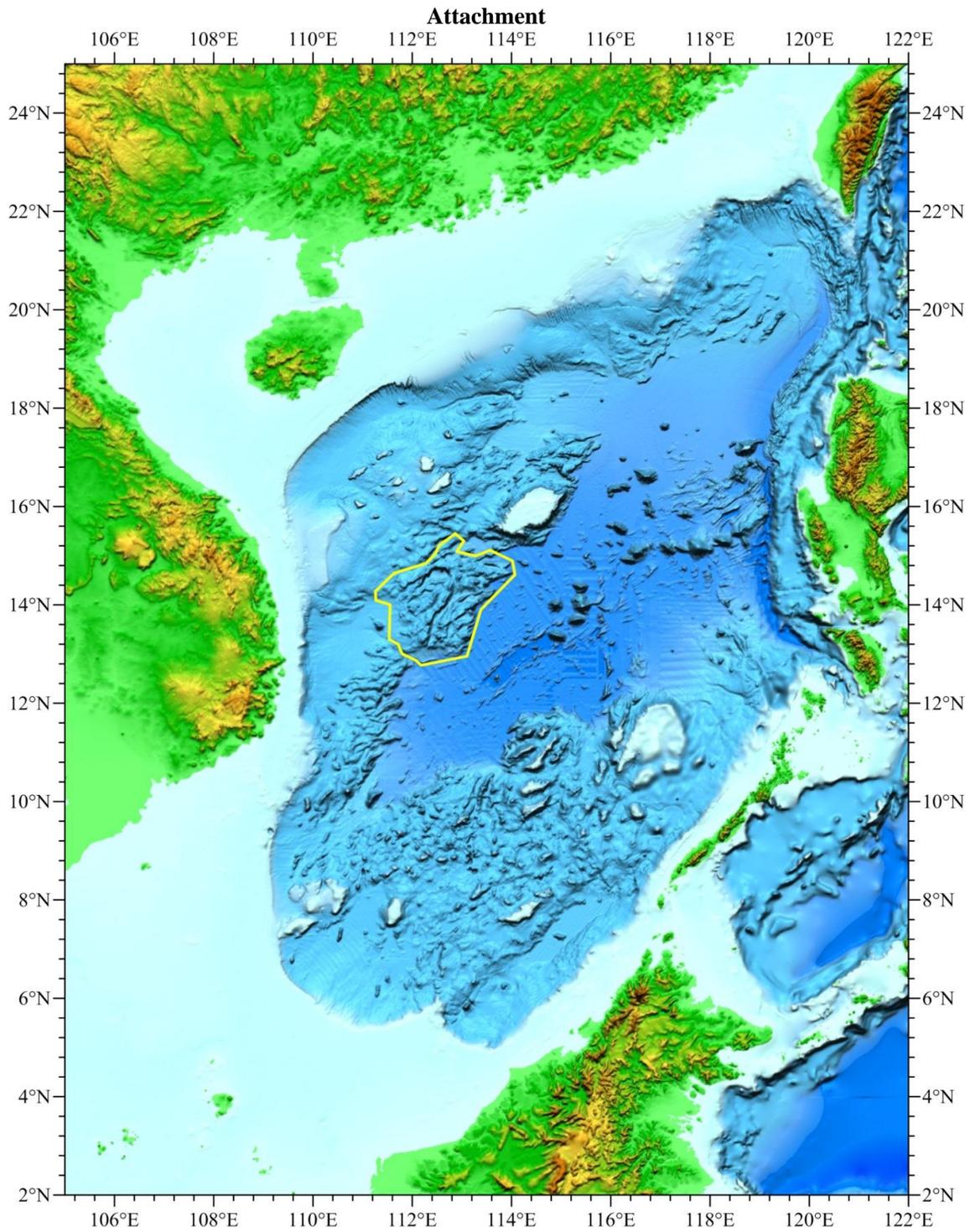


Fig.1 Index map showing the location of Penxi Ridge

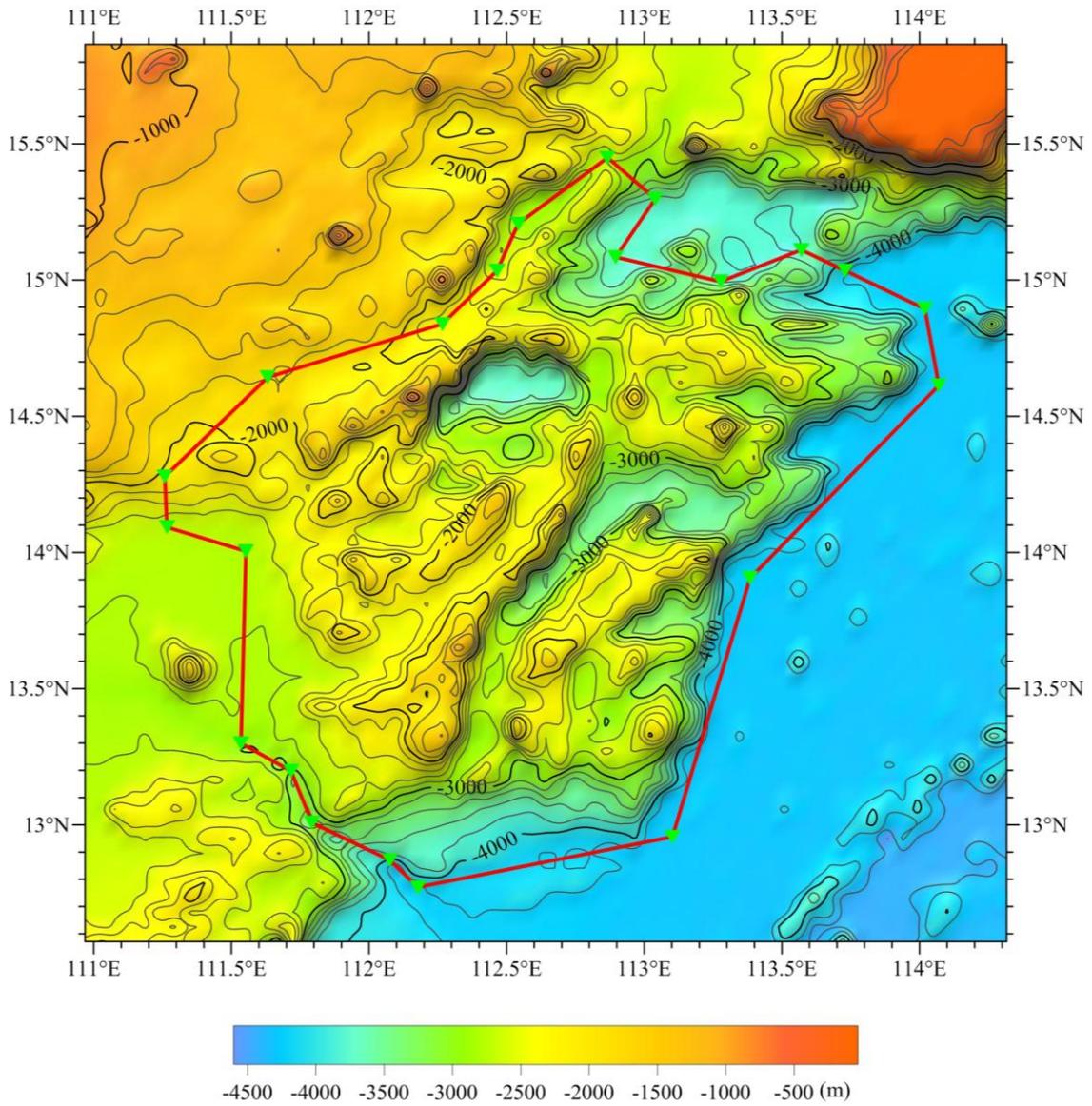


Fig.2 Bathymetric map of Penxi Ridge (Contours are in 200 m)

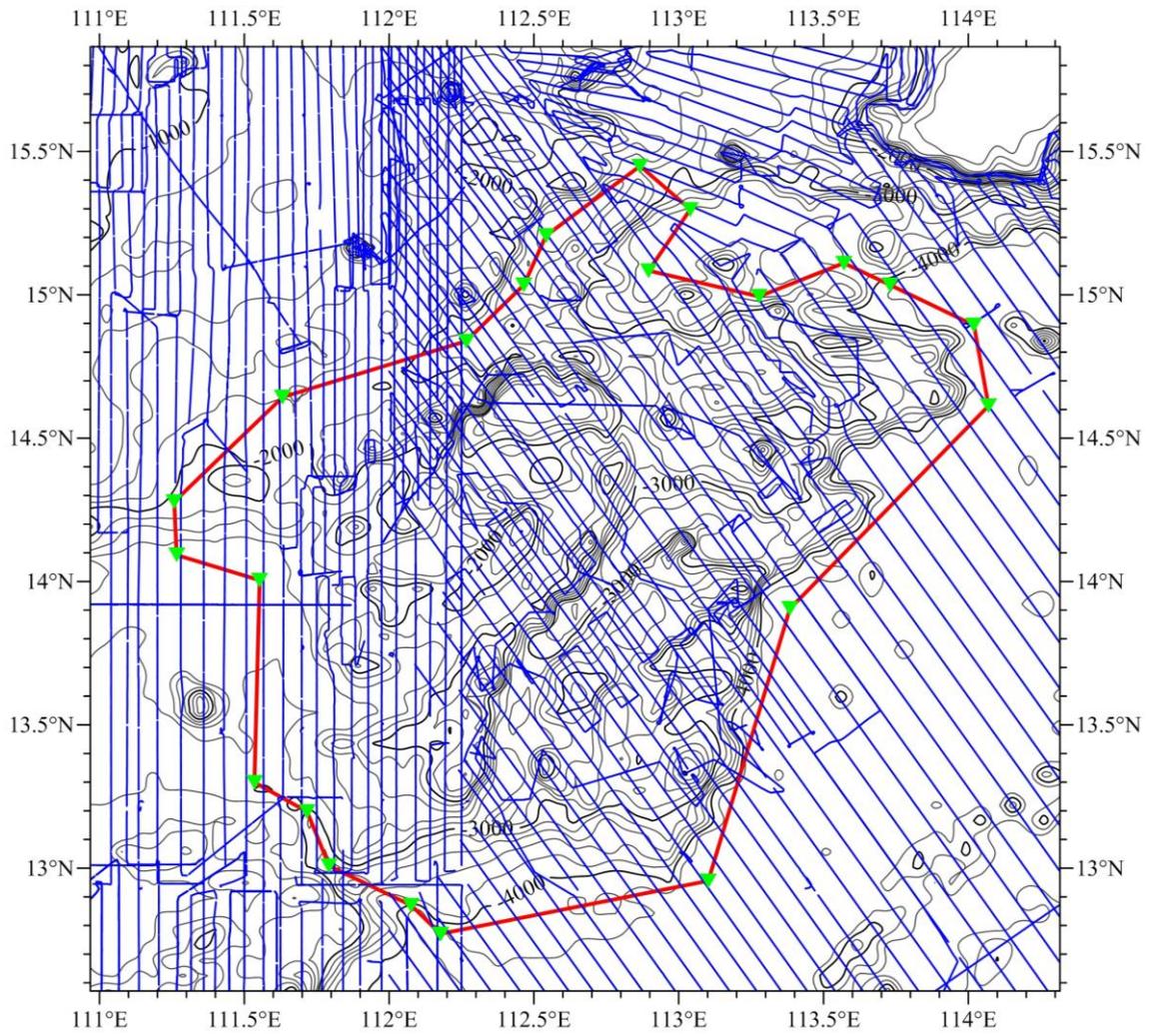


Fig.3 Bathymetric map of Penxi Ridge overlain with track lines
(Contours are in 200 m, blue lines for the track lines)

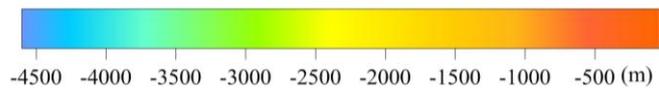
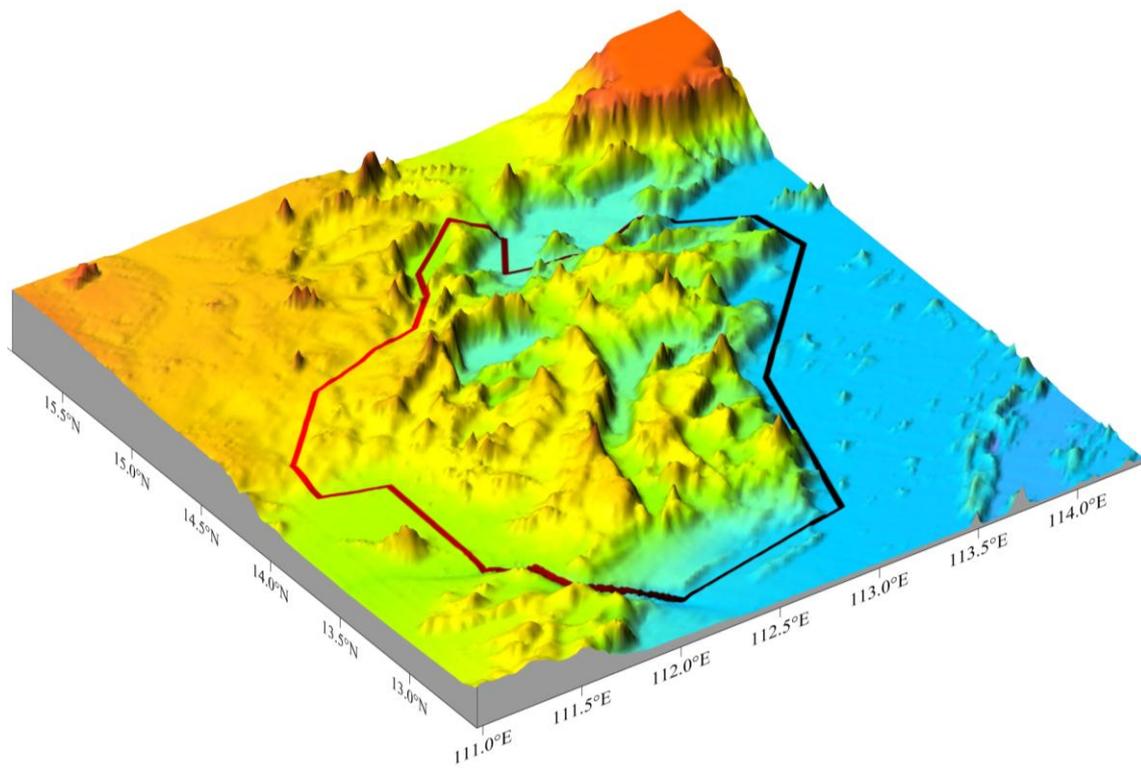


Fig.4 3-D bathymetric map of Penxi Ridge

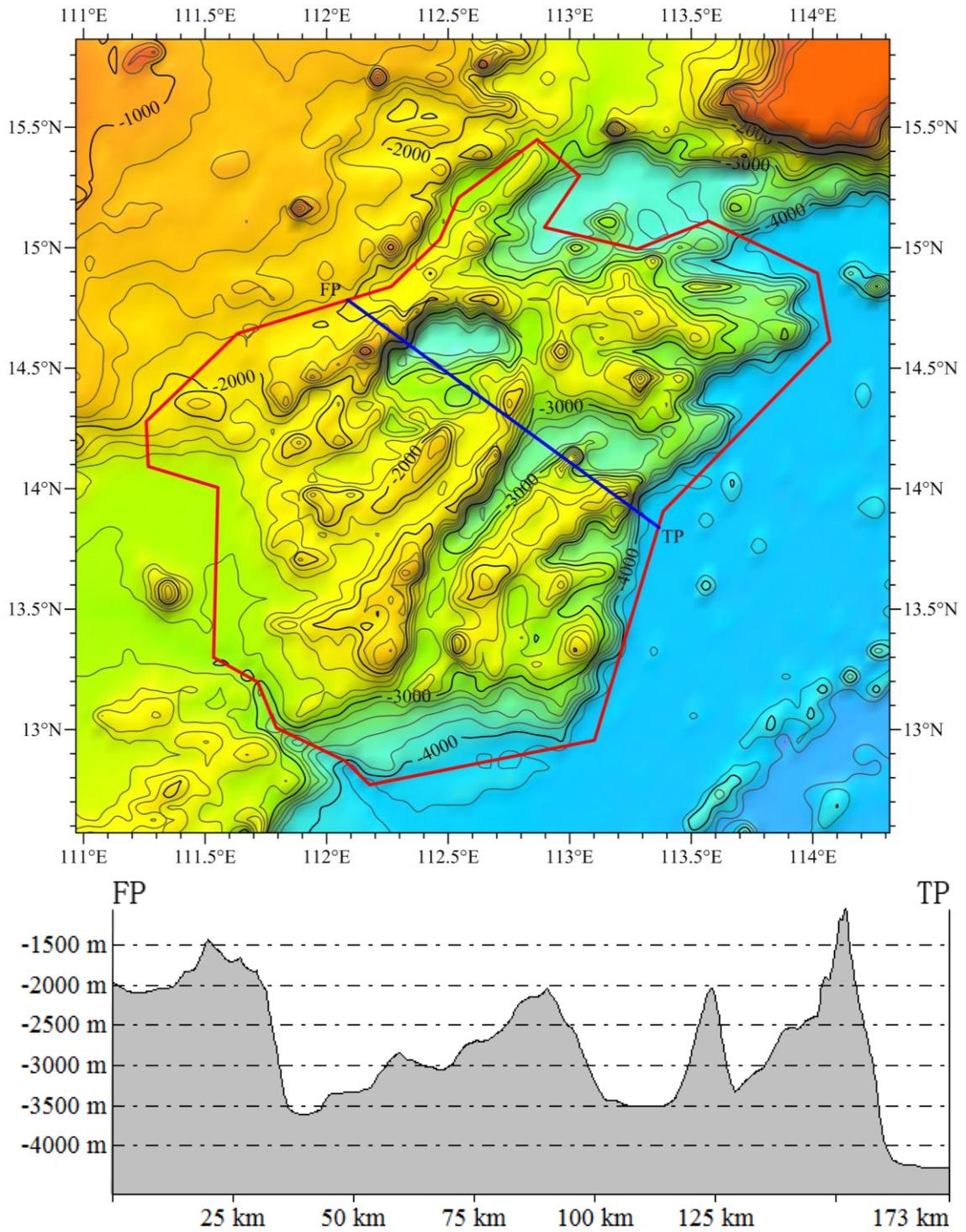


Fig.5 Profile map of Penxi Ridge