

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Yangxin Seamount	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:	07°14.7' N (summit)	110°32.6' E (summit)
	07°28.9' N (bottom)	110°34.0' E (bottom)
	07°28.2' N	110°35.6' E
	07°25.0' N	110°36.7' E
	07°19.7' N	110°35.9' E
	07°13.4' N	110°34.9' E
	07°09.0' N	110°30.6' E
	07°09.3' N	110°30.0' E
	07°11.8' N	110°28.9' E
	07°13.2' N	110°29.1' E
	07°14.2' N	110°30.1' E
	07°23.7' N	110°32.0' E
	07°27.9' N	110°32.6' E
	07°28.9' N	110°34.0' E

Feature Description:	Maximum Depth:	1890m	Steepness :	5°-20°
	Minimum Depth :	243m	Shape :	Slightly elongated
	Total Relief :	1647m	Dimension/Size :	36km × 8.5km

Associated Features:	Yangxin Seamount lies in the Southern part of the South China Sea. This seamount extends from south to north. The shape of this seamount is long and narrow.
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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 feature to be named):	Yang Xin (14 th -15 th century, the year of birth and death is unknown) was an envoy sent by the Ming emperor to Samboja (ancient country name, including nowadays Malay Peninsula and Sunda Islands) by ship to recruit Liang Daoming. The seamount named after Yangxin is to commemorate his contribution and navigation activities.
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Discovery Facts:	Discovery Date:	2000
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	Date of Survey:	2000-2001
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	<=0.08 nm
	Survey Track Spacing:	3.5nm
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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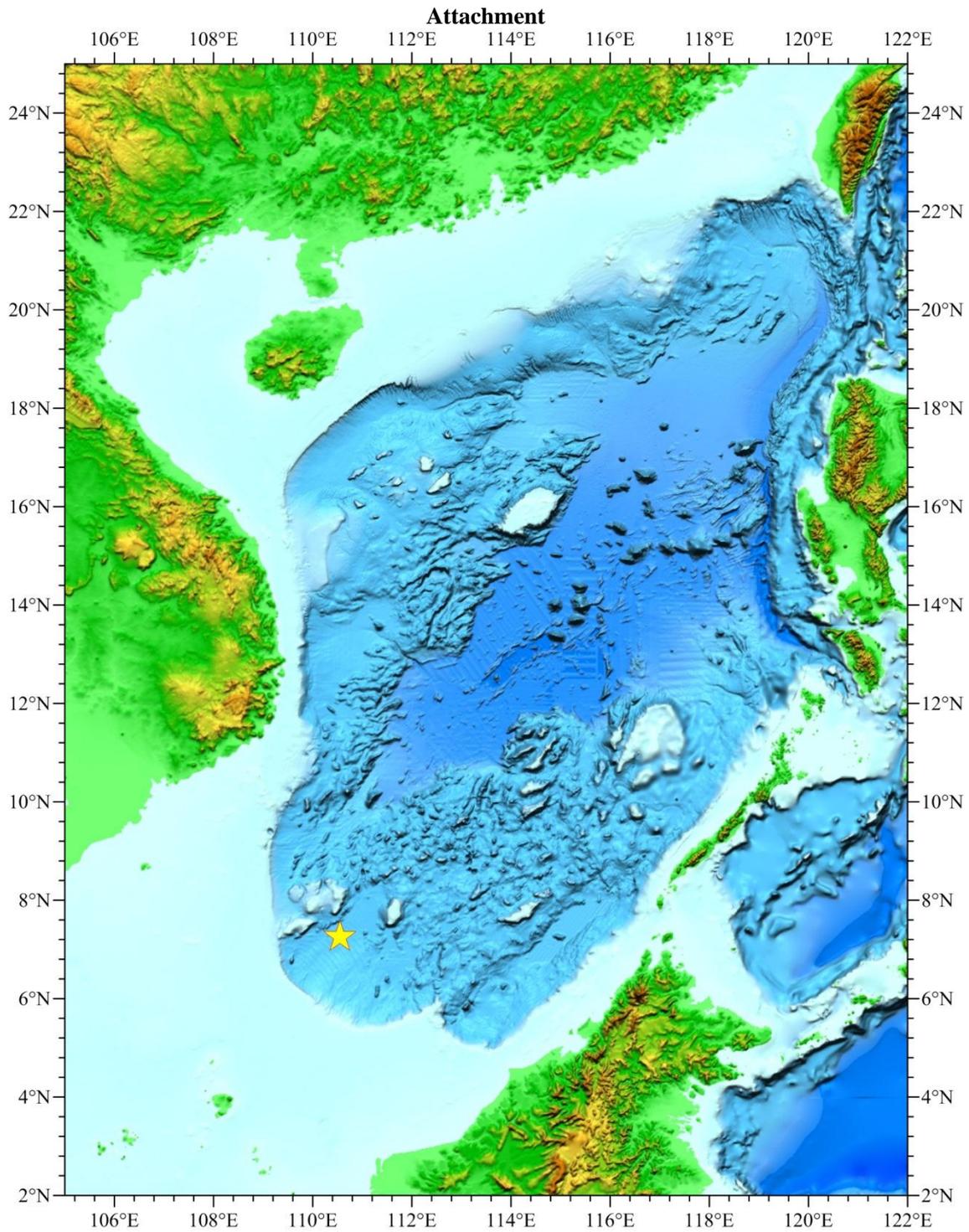


Fig.1 Index map showing the location of Yangxin Seamount

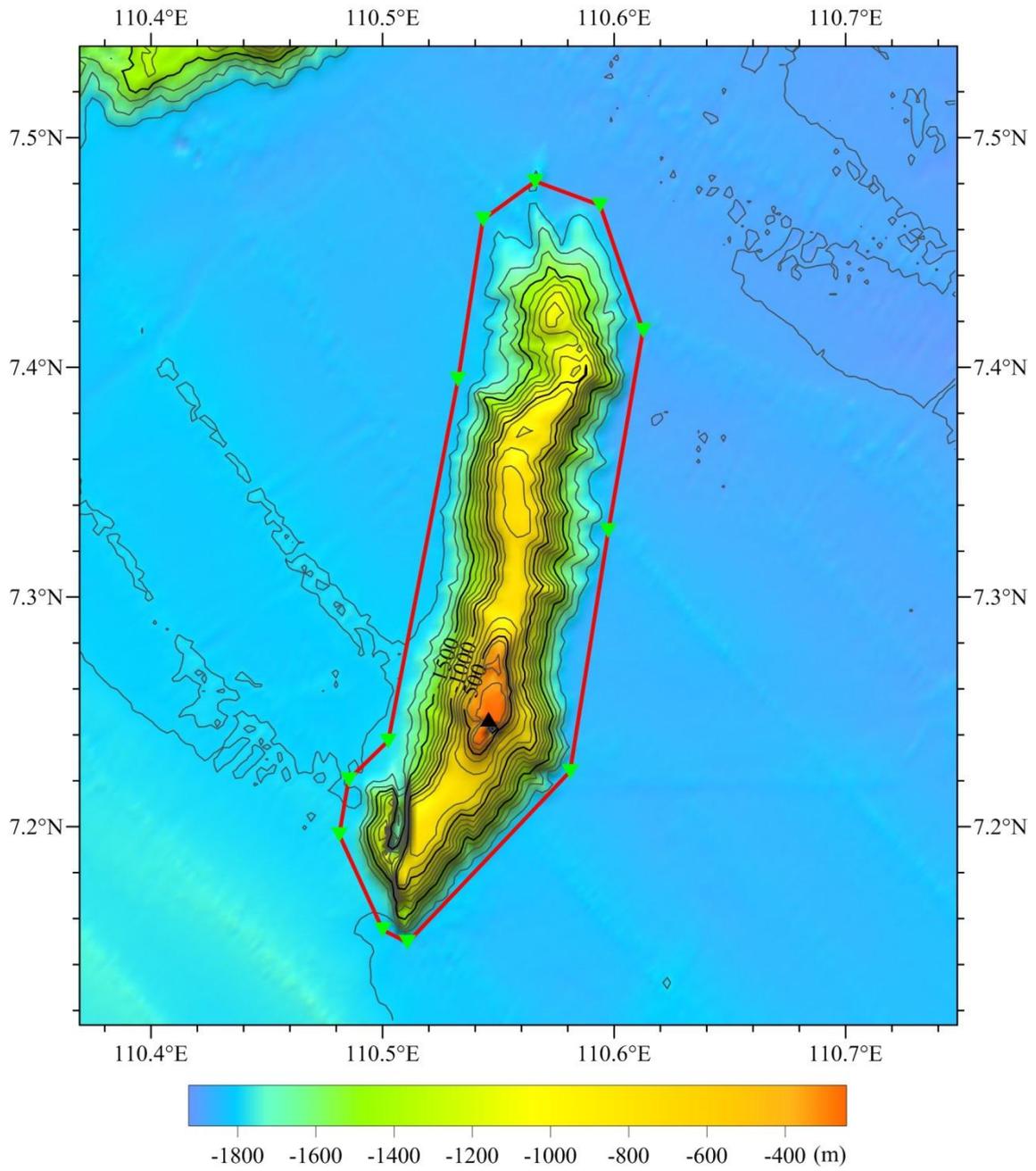


Fig.2 Bathymetric map of Yangxin Seamount (Contours are in 100m)

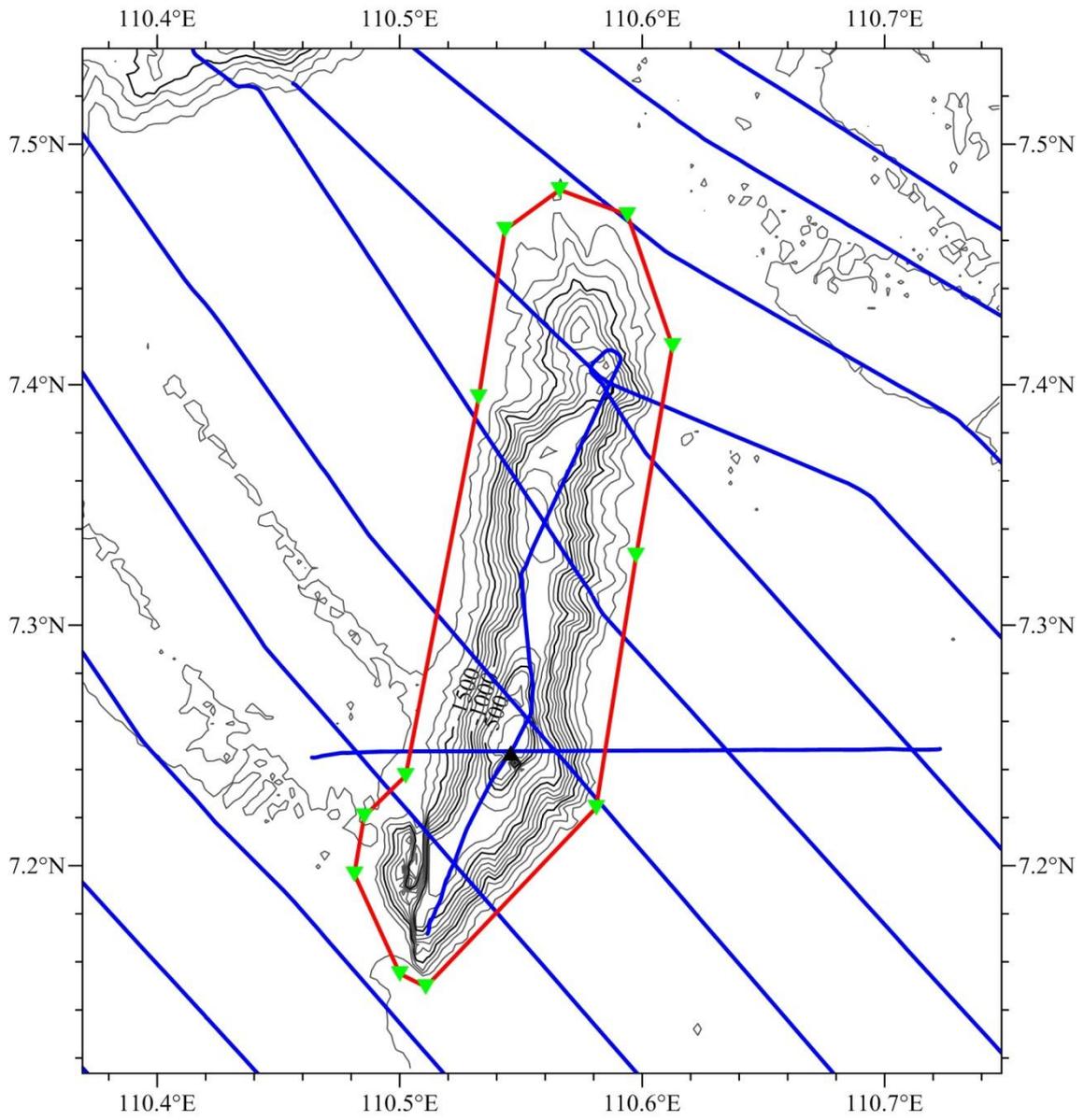


Fig.3 Bathymetric map of Yangxin Seamount overlain with track lines
(Contours are in 100 m, blue lines for the track lines)

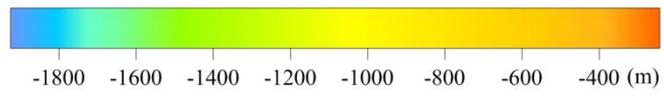
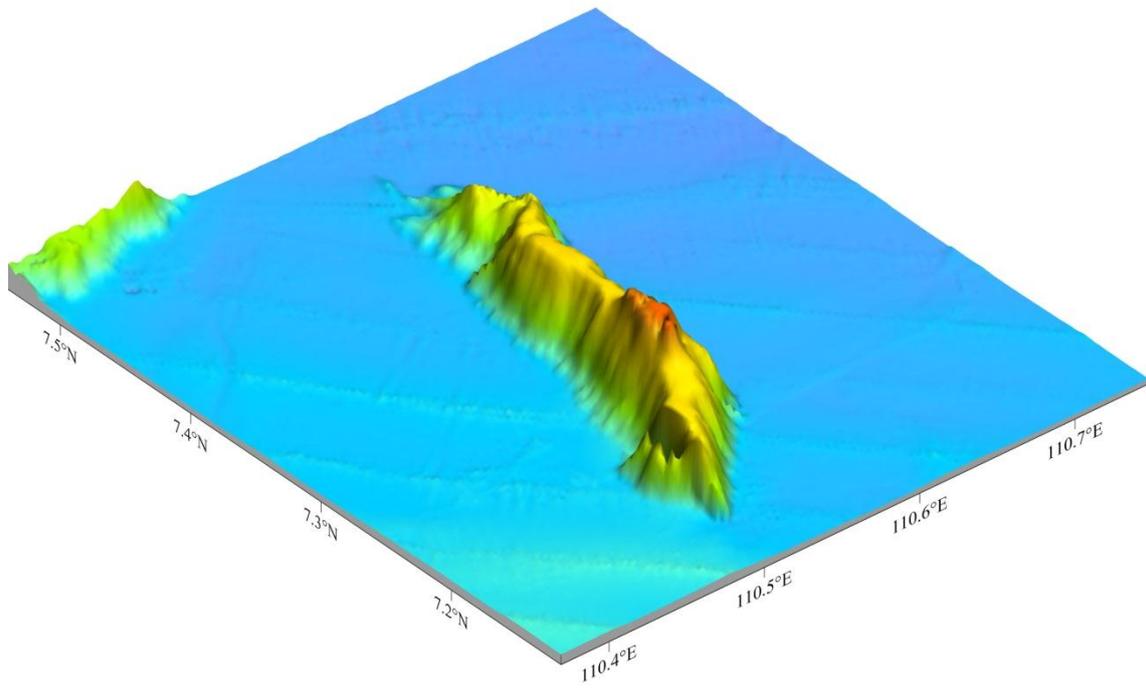


Fig.4 3-D bathymetric map of Yangxin Seamount

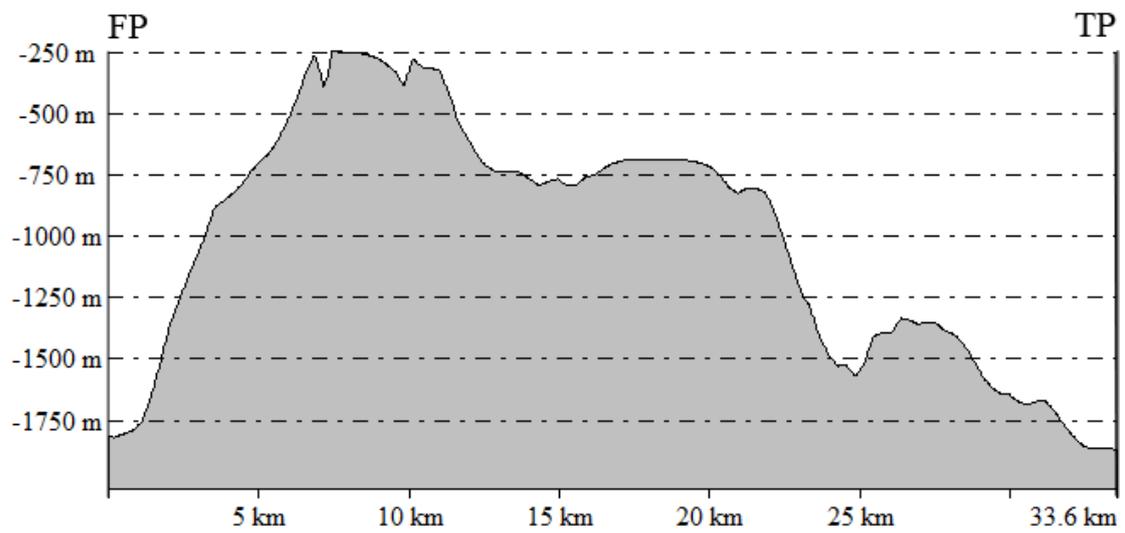
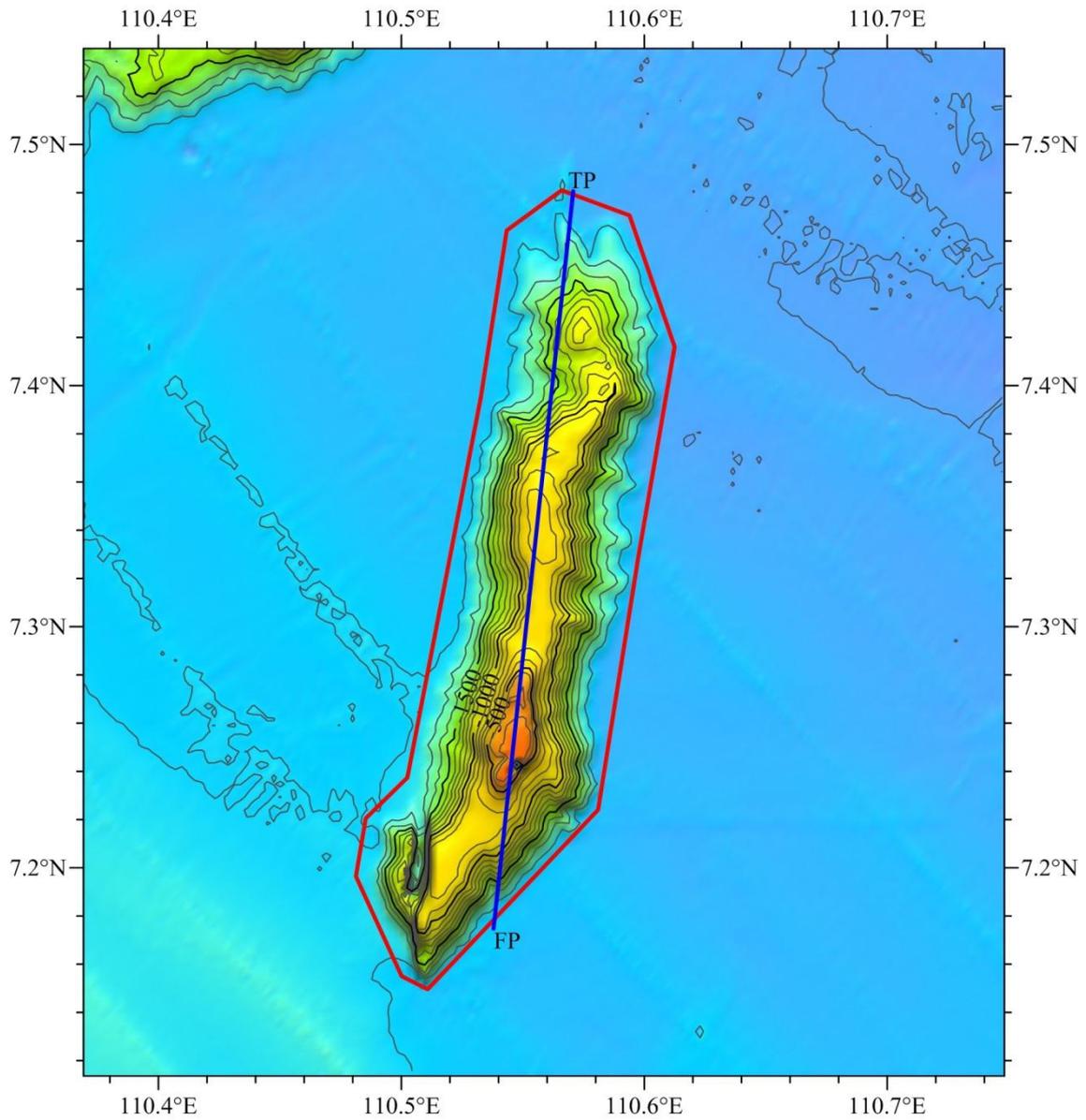


Fig.5 Profile map of Yangxin Seamount