INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

(See **NOTE** overleaf)

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

Name Proposed:	Futian Basin	**Ocean or Sea:**	West Pacific Ocean

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:	20°42.3′N(Bottom)	162°11.8′E (Bottom)
	20 °00.5′N (Margin)	161°26.7′E (Margin)
	20 °01.5′N	161°32.4′E
	20 °07.8′N	161°35.9′E
	20 °12.0′N	161°46.4′E
	20 °08.5′N	161°57.6′E
	20 °05.0′N	162 °06.1′E
	20 °07.2′N	162°11.9′E
	20 °11.0′N	162 °17.0′E
	20°14.5′N	162°32.2′E
	20°22.1′N	162°28.1′E
	20°33.3′N	162°28.7′E
	20°47.3′N	162°34.4′E
	20°58.4′N	162°38.3′E
	21 °05.4′N	162°28.7′E
	21°18.7′N	162°30.9′E
	21°27.3′N	162°37.3′E
	21°33.7′N	162°38.6′E
	21 °37.5′N	162 °29.0′E
	21°34.3′N	162°20.8′E
	21°22.9′N	162°17.9′E
	21°16.2′N	162°12.5′E
	21°10.8′N	162 °03.9′E
	21 °02.8′N	161°58.8′E
	20°58.7′N	161 °49.3′E
	21°12.7′N	161 °41.0′E
	21°22.9′N	161°35.3′E
	21°31.8′N	161°27.4′E
	21°34.9′N	161°15.3′E
	21°36.8′N	161 °06.1′E
	21°32.4′N	160°59.7′E
	21°24.8′N	161 °00.7′E
	21°14.9′N	161 °02.6′E
	21 °00.6′N	161 °06.7′E
	20°54.2′N	161 °21.0′E
	20°45.3′N	161°31.2′E
	20°29.5′N	161°32.8′E
	20°16.7′N	161°31.2′E
	20 °06.9′N	161°24.2′E
	20 °00.5′N(Margin)	161°26.7′E(Margin)

Feature Description:	Maximum Depth:	6379 m	Steepness :	
	Minimum Depth :	5000 m	Shape :	Irregular
	Total Relief :	1379 m	Dimension/Size :	180 km×160 km

Associated Features:	Futian Basin has an irregular shape and runs nearly N to S. The terrain of the basin bottom is flat overall.

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)**:**	"Futian" comes from a poem in Shijing. Shijing is a collection of ancient Chinese poems from 11th century B.C. to 6h century B.C. The poem depicts a scene of people ploughing in the field in Spring. Futian means fertile soil.

Discovery Facts:	Discovery Date:	July. 2015
	Discoverer (Individual, Ship):	Chinese R/V Haiyang No.06

Supporting Survey Data, including Track Controls:	Date of Survey:	July. 2015
	Survey Ship:	Chinese R/V Haiyang No.06
	Sounding Equipment:	EM122
	Type of Navigation:	SF2050 Wide Area Differential GPS
	Estimated Horizontal Accuracy (nm):	0.00008 nm
	Survey Track Spacing:	
	Supporting material can be submitted as Annex in analog or digital form. See Annex	

Proposer(s):	Name(s):	China Ocean Mineral Resources Research and Development Association (COMRA)
	Date:	April 08. 2018
	E-mail:	comra@comra.org
	Organization and Address:	No.1 Fuxingmenwai Street, Xicheng District, Beijing
	Concurrer (name, e-mail, organization and address):	

Remarks:	This proposal has been reviewed and approved by China Subcommittee on Undersea Feature Names (CCUFN). No.1 Fuxingmenwai Street, Xicheng District, Beijing, China, 100860 heyunxu@sina.com

NOTE : This form should be forwarded, when completed :

a) **If the undersea feature is located <u>inside the external limit</u> 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 <u>outside the external limits</u> 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 <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS <u>France</u> Fax: +33 1 45 68 58 12 E-mail: info@unesco.org

ANNEX

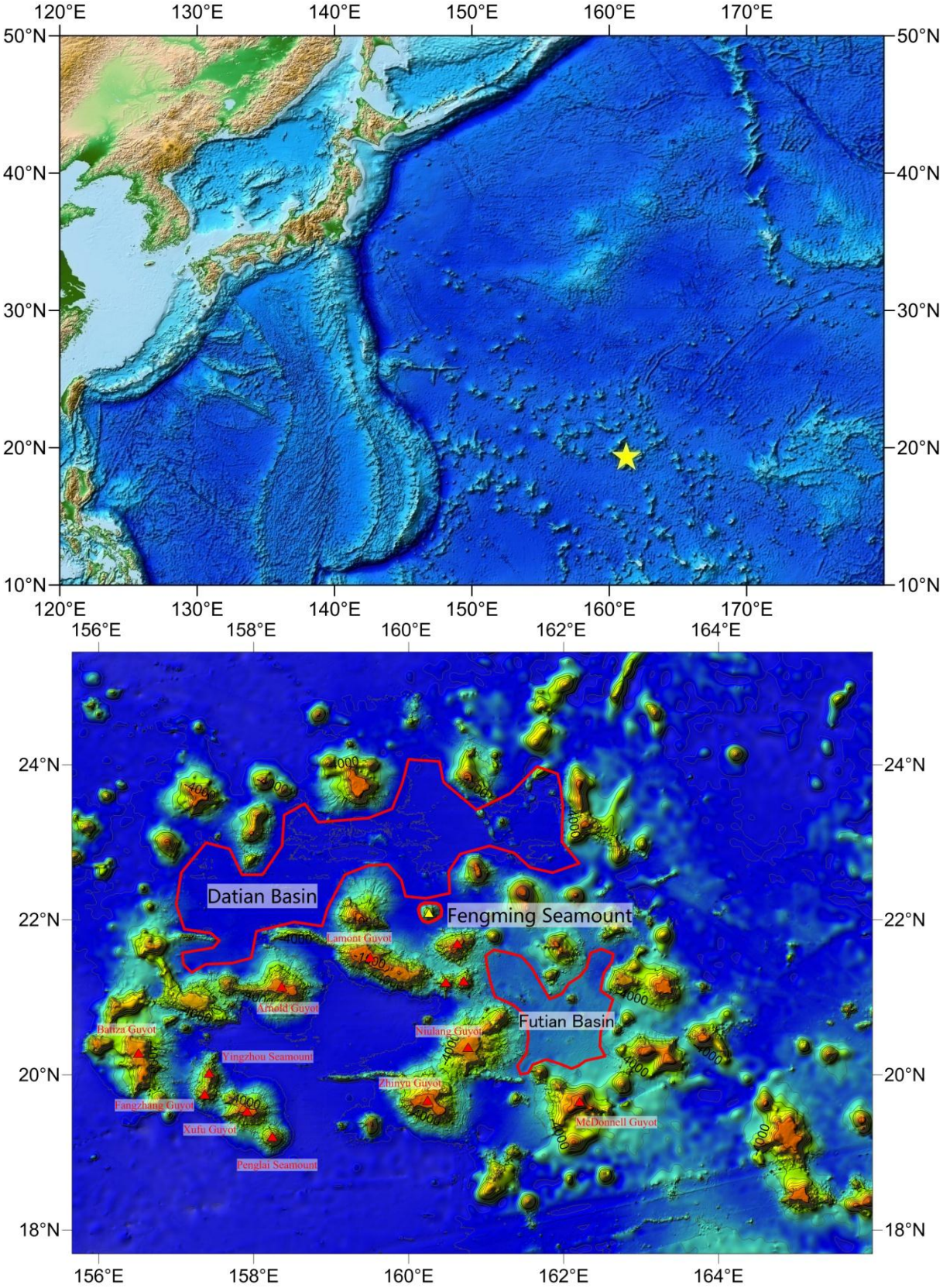

Fig. 1 Location of the Futian Basin

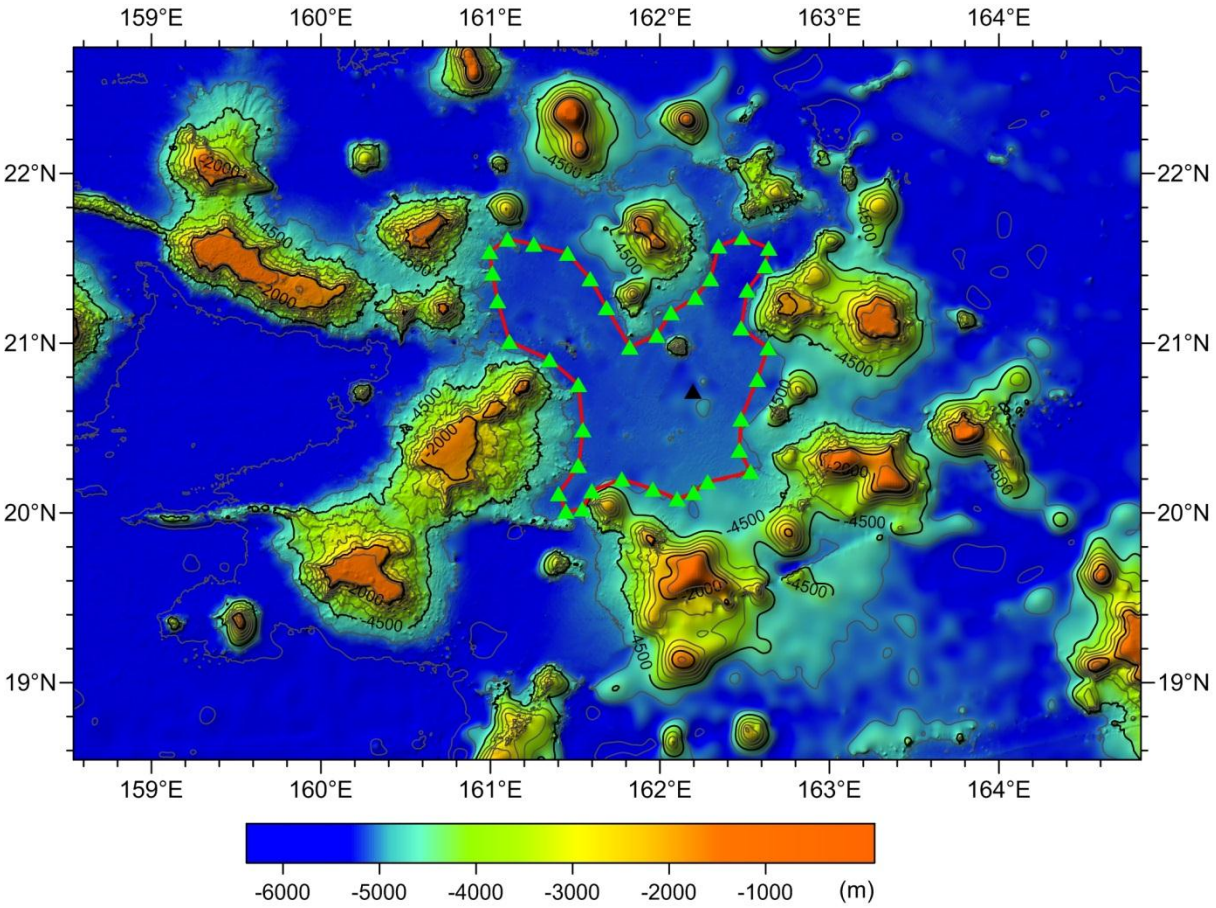

Fig. 2 Bathymetric map of the Futian Basin (the contour interval is 500 m)

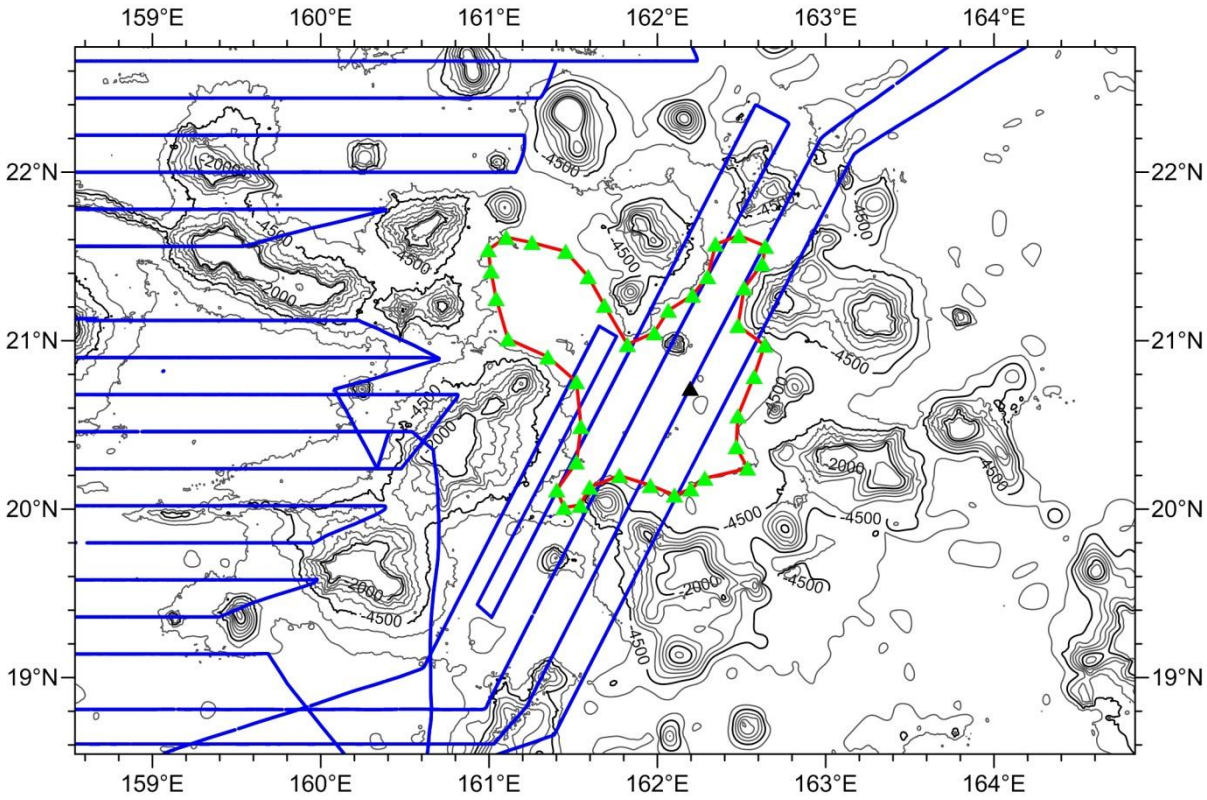

Fig. 3 Bathymetric and survey line map of the Futian Basin (the contour interval is 500 m, blue ones are survey lines)

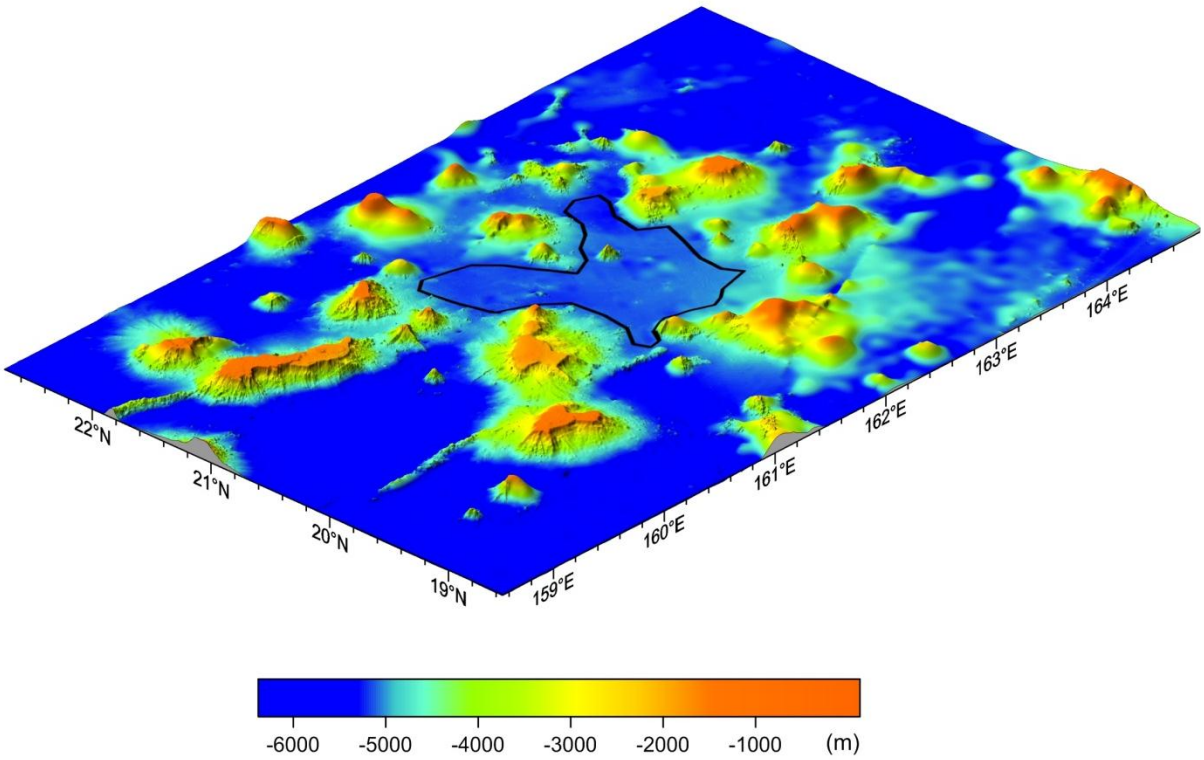

Fig. 4 3-D topography map of the Futian Basin

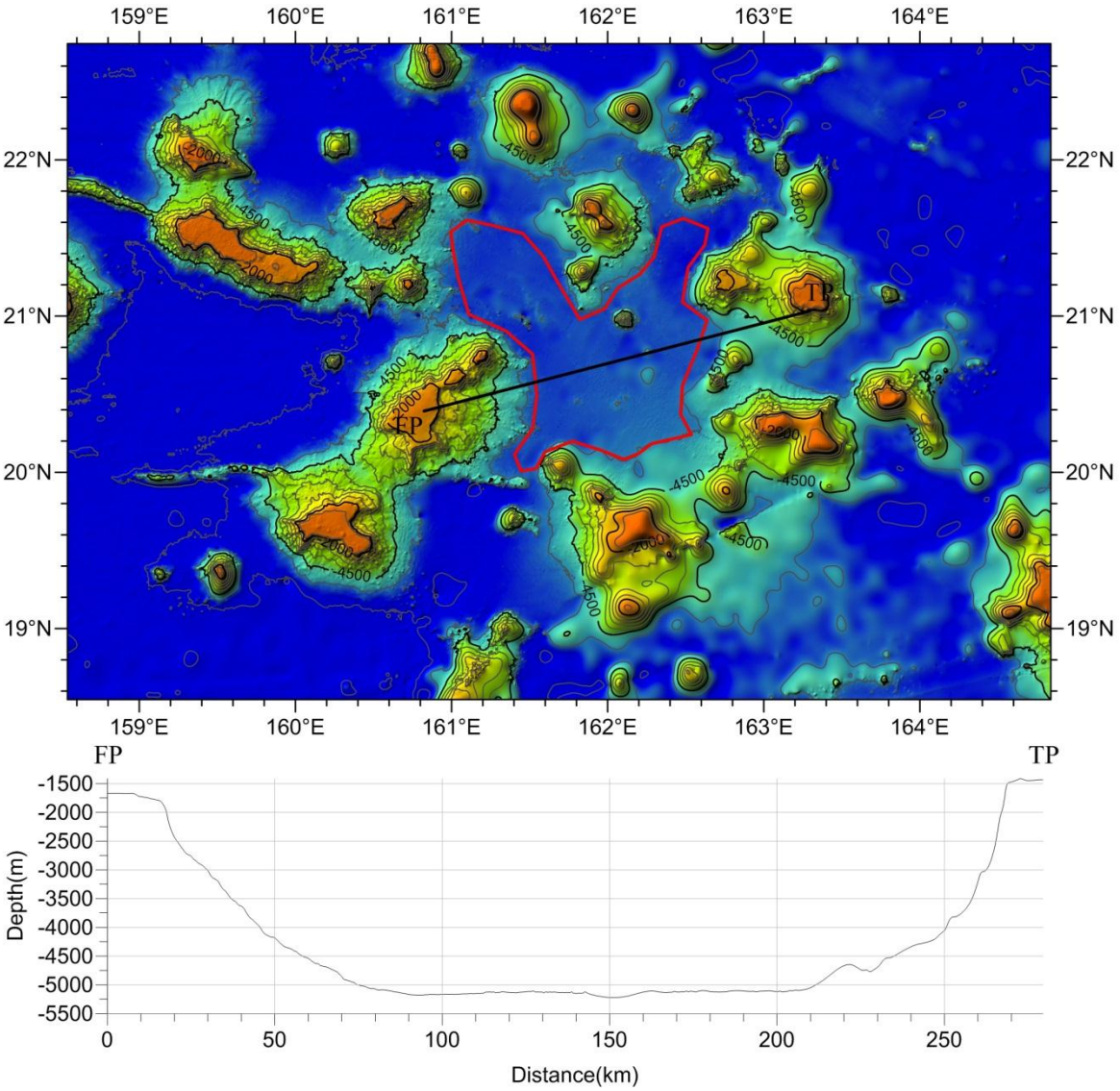

Fig. 5 Profile map of the Futian Basin