

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed:	Gongzhen Knolls	Ocean or Sea:	Eastern Pacific Ocean
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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:	0°33.1'N (top)	154°27.6'W (top)
	10°31.1'N (top)	154°32.9'W (top)
	10°29.7'N (top)	154°28.2'W (top)
	10°29.3'N (top)	154°32.9'W (top)
	10°28.9'N (top)	154°25.4'W (top)
	10°27.6'N (top)	154°30.8'W (top)
	10°25.3'N (peak)	154°25.3'W (peak)
	10°23.3'N (bottom)	154°25.1'W (bottom)
	10°23.8'N	154°26.8'W
	10°24.9'N	154°27.3'W
	10°26.3'N	154°27.2'W
	10°27.4'N	154°26.4'W
	10°28.0'N	154°28.0'W
	10°26.2'N	154°29.5'W
	10°25.9'N	154°31.2'W
	10°26.3'N	154°32.1'W
	10°26.5'N	154°33.3'W
	10°26.8'N	154°34.0'W
	10°28.0'N	154°34.6'W
	10°29.4'N	154°34.8'W
	10°29.5'N	154°35.4'W
	10°29.9'N	154°35.8'W
	10°30.3'N	154°35.6'W
	10°30.6'N	154°35.3'W
	10°31.3'N	154°35.3'W
	10°31.6'N	154°35.6'W
	10°32.2'N	154°35.4'W
	10°33.2'N	154°32.9'W
	10°32.5'N	154°32.3'W
	10°31.7'N	154°31.8'W
10°30.9'N	154°31.9'W	
10°30.4'N	154°31.7'W	
10°29.7'N	154°30.9'W	
10°29.0'N	154°30.5'W	
10°29.2'N	154°29.9'W	
10°29.8'N	154°29.9'W	
10°30.8'N	154°29.8'W	
10°31.0'N	154°29.1'W	
10°31.6'N	154°29.1'W	

	10°32.3'N	154°29.9'W
	10°33.4'N	154°30.2'W
	10°34.3'N	154°30.0'W
	10°34.4'N	154°28.6'W
	10°34.8'N	154°28.3'W
	10°35.6'N	154°28.1'W
	10°35.5'N	154°26.9'W
	10°34.7'N	154°27.1'W
	10°33.7'N	154°26.5'W
	10°33.0'N	154°26.4'W
	10°32.3'N	154°26.4'W
	10°32.5'N	154°25.3'W
	10°31.6'N	154°24.7'W
	10°30.6'N	154°24.6'W
	10°30.6'N	154°25.4'W
	10°30.7'N	154°26.7'W
	10°30.5'N	154°27.3'W
	10°29.8'N	154°27.0'W
	10°30.1'N	154°26.4'W
	10°29.9'N	154°25.2'W
	10°29.5'N	154°24.6'W
	10°27.7'N	154°24.4'W
	10°26.1'N	154°23.2'W
	10°23.9'N	154°23.7'W
	10°23.3'N	154°25.1'W

Feature Description:	Maximum Depth:	5290 m	Steepness :	
	Minimum Depth :	4450 m	Shape :	
	Total Relief :	840 m	Dimension/Size :	26km×20km

Associated Features:	This knolls locate at 70km north of Weiyuan Seamount, consisting of seven hills (or knoll). It is 20km wide and 26km long. The peak is located at Gongzhen knoll where the water depth is 4450m.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Gongzhen (dates unknown) made ocean voyages with Zheng He in AD 1431-1433, noting the customs of every country where they had been. This cluster is named as Gongzhen to commemorate his great contribution in the Chinese sailing history.
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Discovery Facts:	Discovery Date:	Sept. 1995
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Sept. 1995
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Seabeam2112.360
	Type of Navigation:	Sercel NR51 DGPS
	Estimated Horizontal Accuracy (nm):	≤0.08nm
	Survey Track Spacing:	5nm
Supporting material can be submitted as Annex in analog or digital form.		

Proposer(s):	Name(s):	China Ocean Mineral Resources R&D Association(COMRA)
	Date:	10 Sept. 2015
	E-mail:	comra@comra.org
	Organization and Address:	State Oceanic Administration, China No.1 Fuxingmenwai Ave. Beijing
	Concurren (name, e-mail, organization and address):	

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 Ave. Beijing 100860 heyunxu@sina.com
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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 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 outside the external limits 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 France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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Attachment

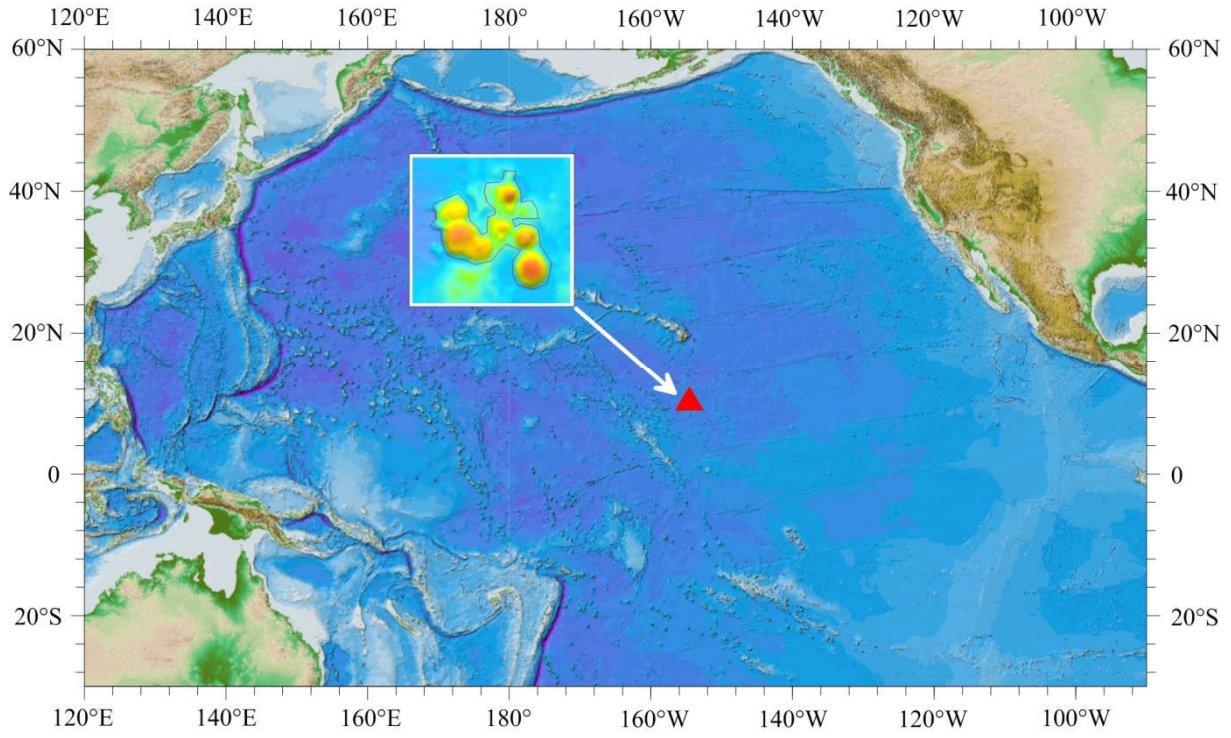


Fig1. Index map showing the location of the Gongzhen Knolls

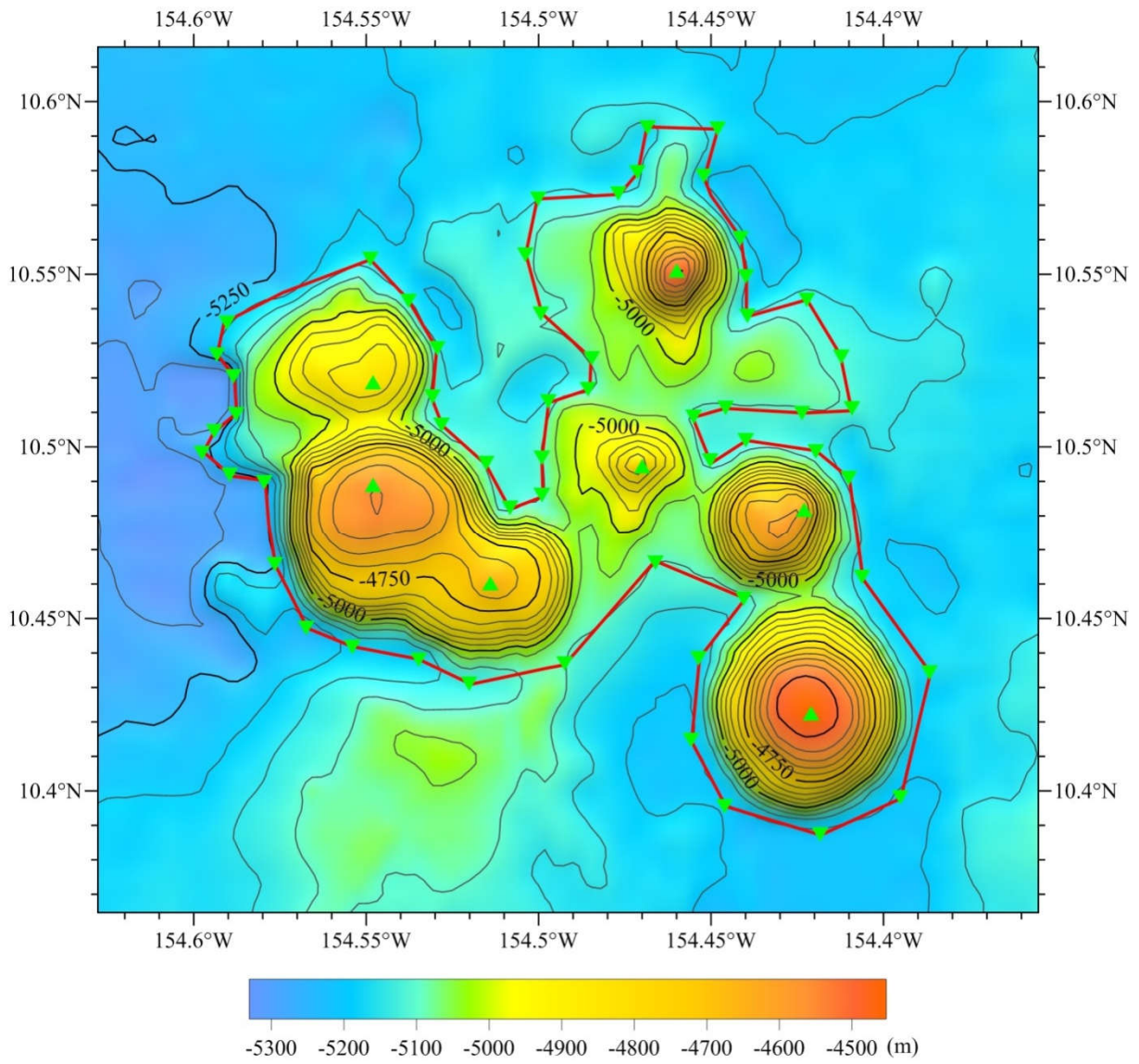


Fig2. Bathymetric map of the Gongzhen knolls

(Contours are in 50 m)

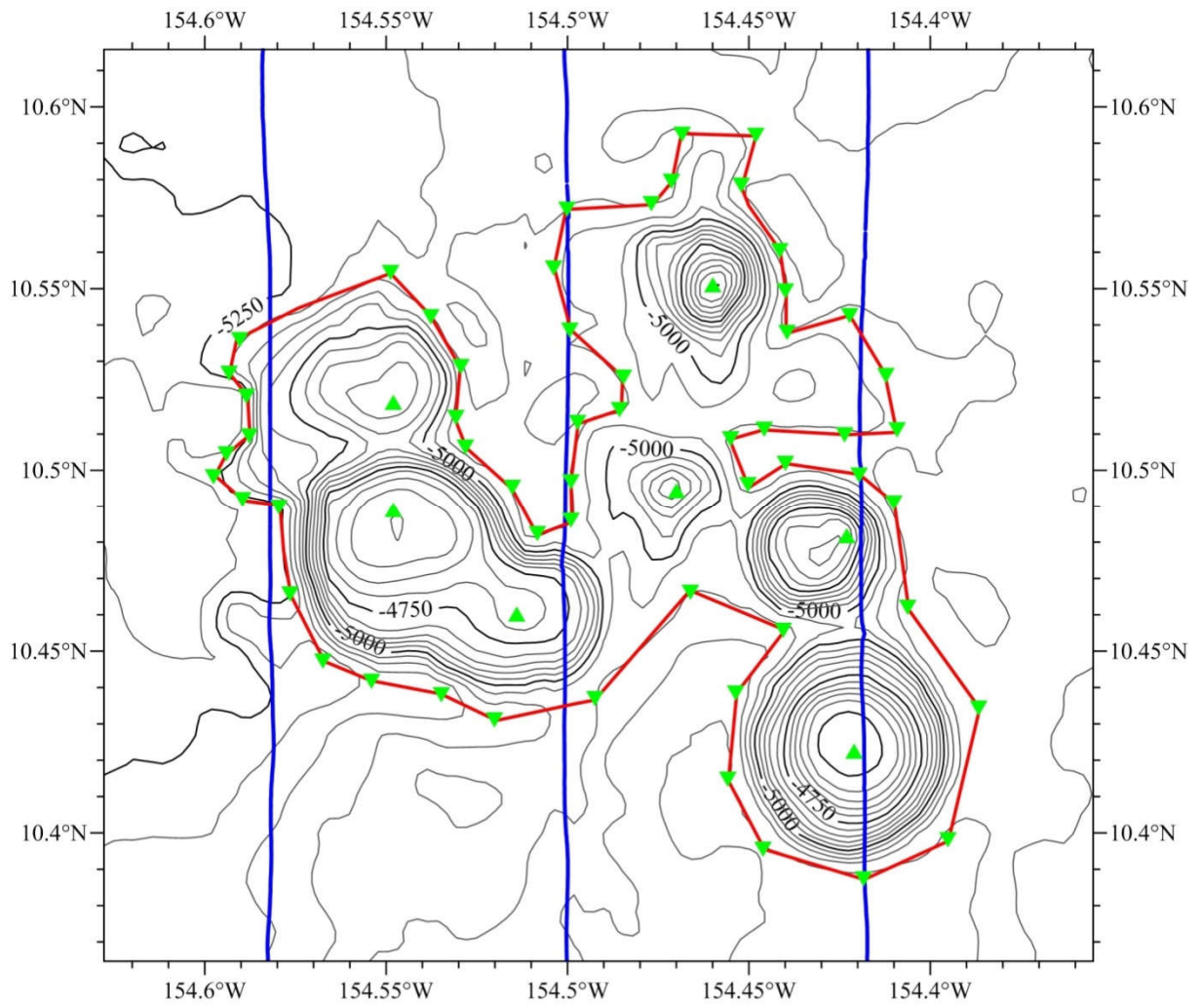


Fig.3 Bathymetric map of the Gongzhen knolls, showing track lines

(Contours are in 50 m, blue lines are survey lines)

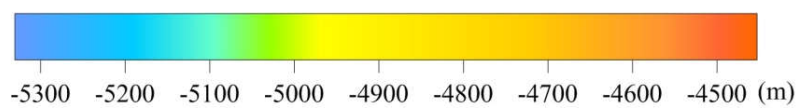
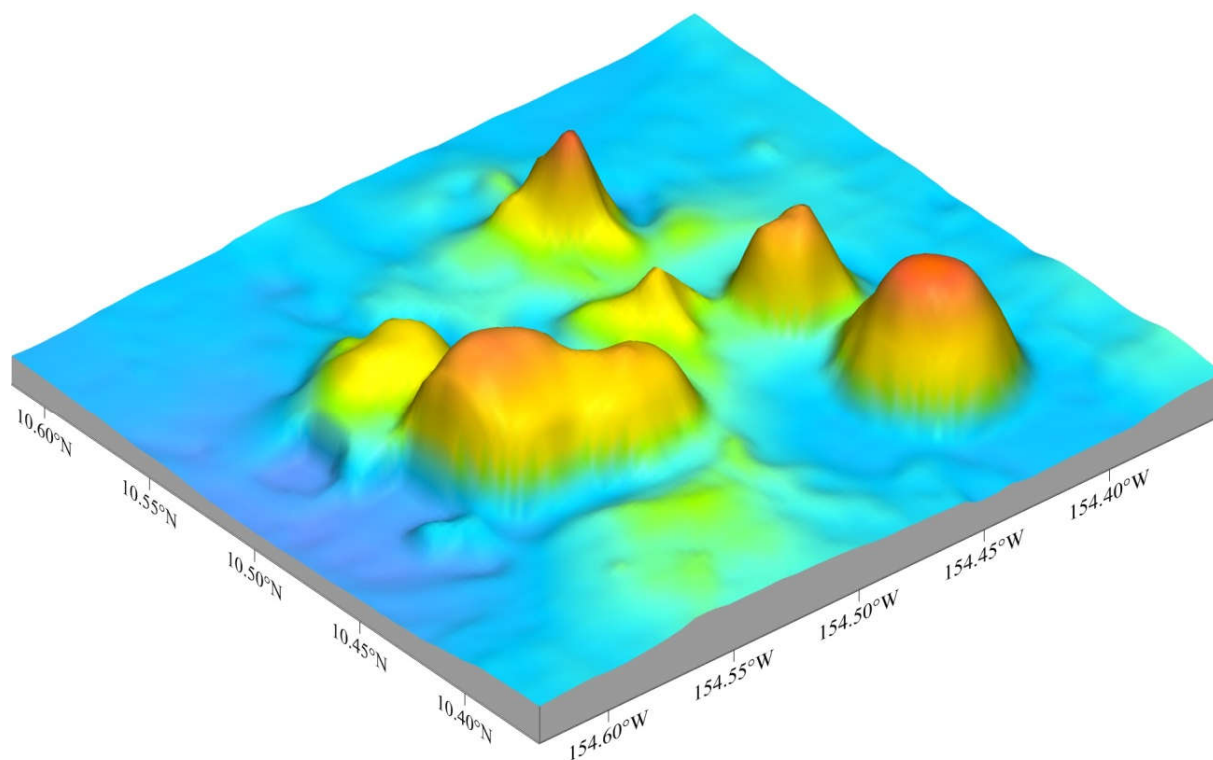


Fig 4. 3-D topograhpy map of Gongzhen knolls

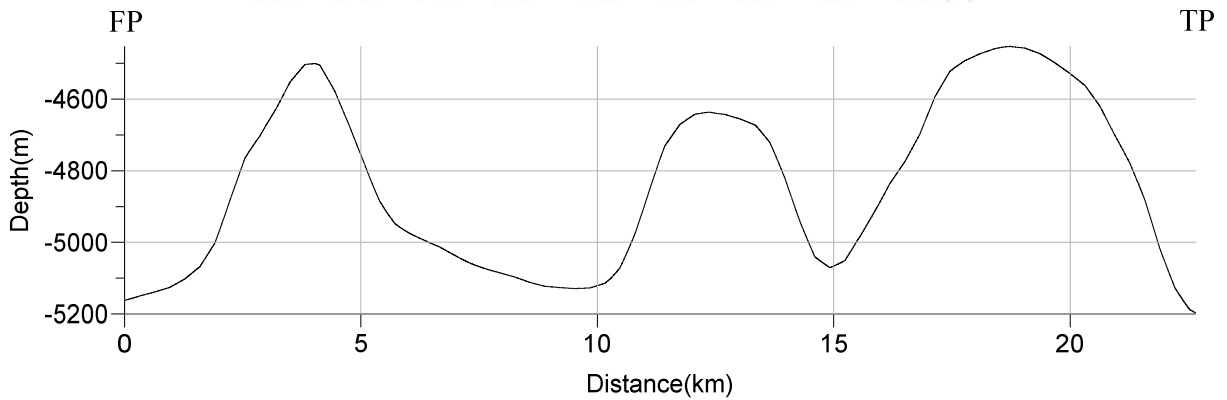
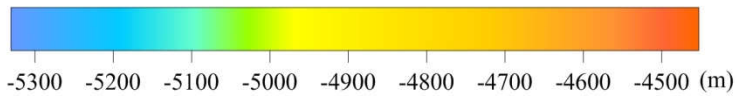
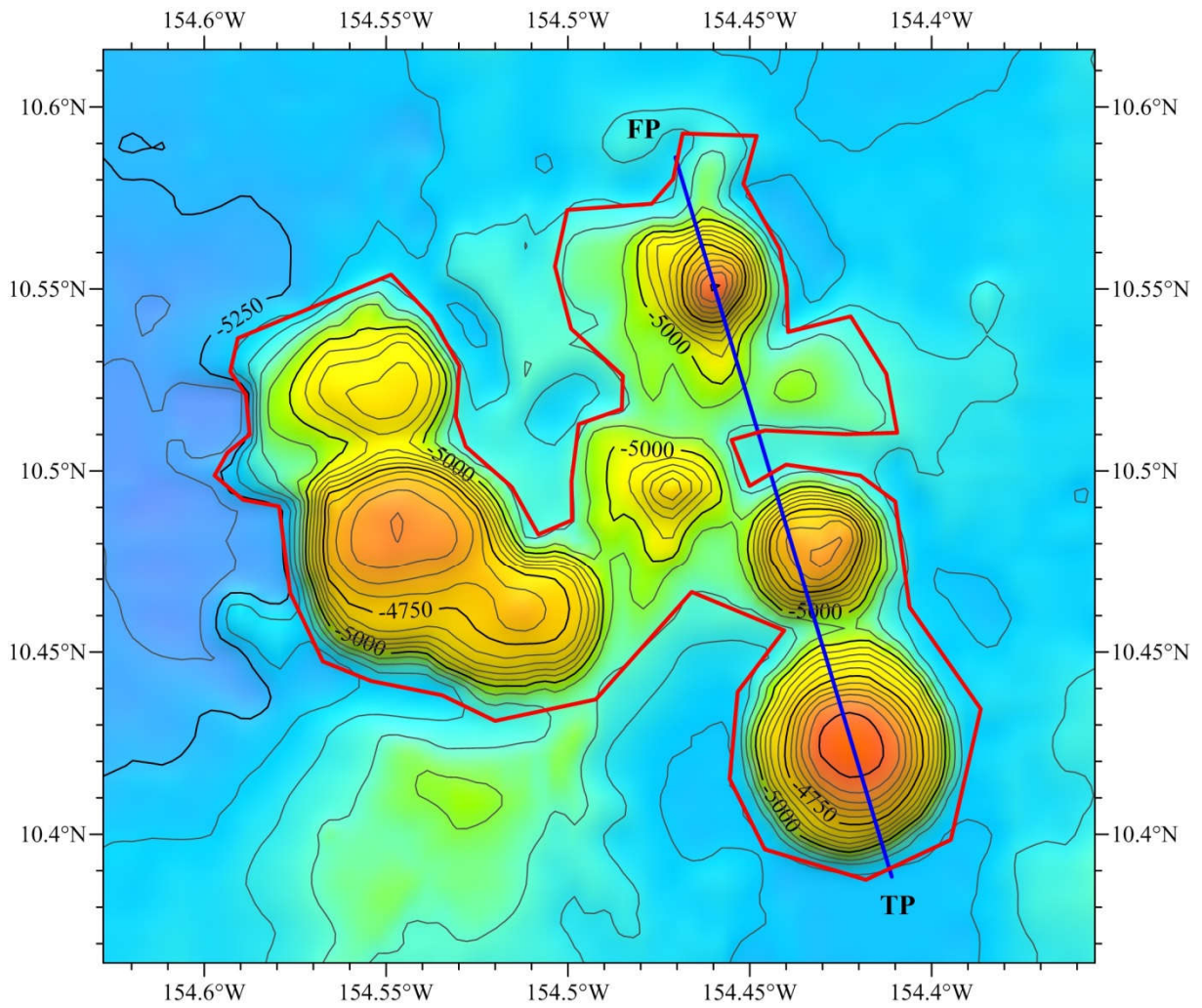


Fig.5 Bathymetric map and profile of Gongzhen knolls