

UNDERSEA FEATURE NAME PROPOSAL
(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

Name Proposed:	Bingyue Seamount	Ocean or Sea:	West 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:	15°34.6'N (Summit)	130°17.1'E (Summit)
	15°37.7'N (Bottom)	130°16.9'E (Bottom)
	15°37.9'N	130°18.0'E
	15°37.3'N	130°19.6'E
	15°36.8'N	130°20.8'E
	15°36.1'N	130°21.1'E
	15°34.2'N	130°21.6'E
	15°33.9'N	130°22.0'E
	15°33.8'N	130°22.9'E
	15°33.6'N	130°23.3'E
	15°32.9'N	130°23.3'E
	15°32.7'N	130°22.9'E
	15°32.4'N	130°22.1'E
	15°32.2'N	130°21.2'E
	15°30.9'N	130°20.6'E
	15°30.8'N	130°19.6'E
	15°31.3'N	130°18.2'E
	15°31.8'N	130°17.2'E
	15°32.4'N	130°16.5'E
	15°33.0'N	130°16.0'E
15°33.7'N	130°14.9'E	
15°34.6'N	130°14.7'E	
15°35.9'N	130°14.7'E	
15°36.7'N	130°14.9'E	
15°37.6'N	130°15.8'E	
15°37.7'N(Bottom)	130°16.9'E(Bottom)	

Feature Description:	Maximum Depth:	6077m	Steepness :	
	Minimum Depth :	4900m	Shape :	Polygon
	Total Relief :	1177m	Dimension/Size :	16.7km × 11km

Associated Features:	Bingyue Seamount is located south to the Central Fault Zone, and is 229 km west to the Deschams Seamount.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBSCO 5.06
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	We name the 7 features in the same area after alternative names of twelve months in Chinese lunar calendar. We named Nangong Hill, Juyue Seamount and Zichun Hills in 2018. Nangong, Juyue and Zichun are respectively alternative names of August, September and October in Chinese lunar calendar. Bingyue Seamount is near the three features. Bingyue is an alternative name of December.
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Discovery Facts:	Discovery Date:	Apr. 2018
	Discoverer (Individual, Ship):	Chinese R/V Haiyang No.06

Supporting Survey Data, including Track Controls:	Date of Survey:	Apr. 2018
	Survey Ship:	Chinese R/V Haiyang No.06
	Sounding Equipment:	Multi-beam sounding system (EM122)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	4.3nm
	Supporting material can be submitted as Annex in analog or digital form. See Annex	

Proposer(s):	Name(s):	Huang Wenxing, Luo Weidong, Liu Liqiang
	Date:	March 01, 2019
	E-mail:	L.liqiang@foxmail.com
	Organization and Address:	China Geological Survey, No.45 Fuwai Street, Xicheng District, Beijing, China.
	Concurrer (name, e-mail, organization and address):	

Remarks:	This proposal has been reviewed and approved by China Subcommittee on Undersea Feature Names (CCUFN). No.64 Fuchengmennei Street, Xicheng District, Beijing, China, 100812 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 Publication B-6) or, if this does not exist or is not known, either to the IHO 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 IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@iho.int Web: www.iho.int	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org Web: http://ioc-unesco.org/
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Attachment

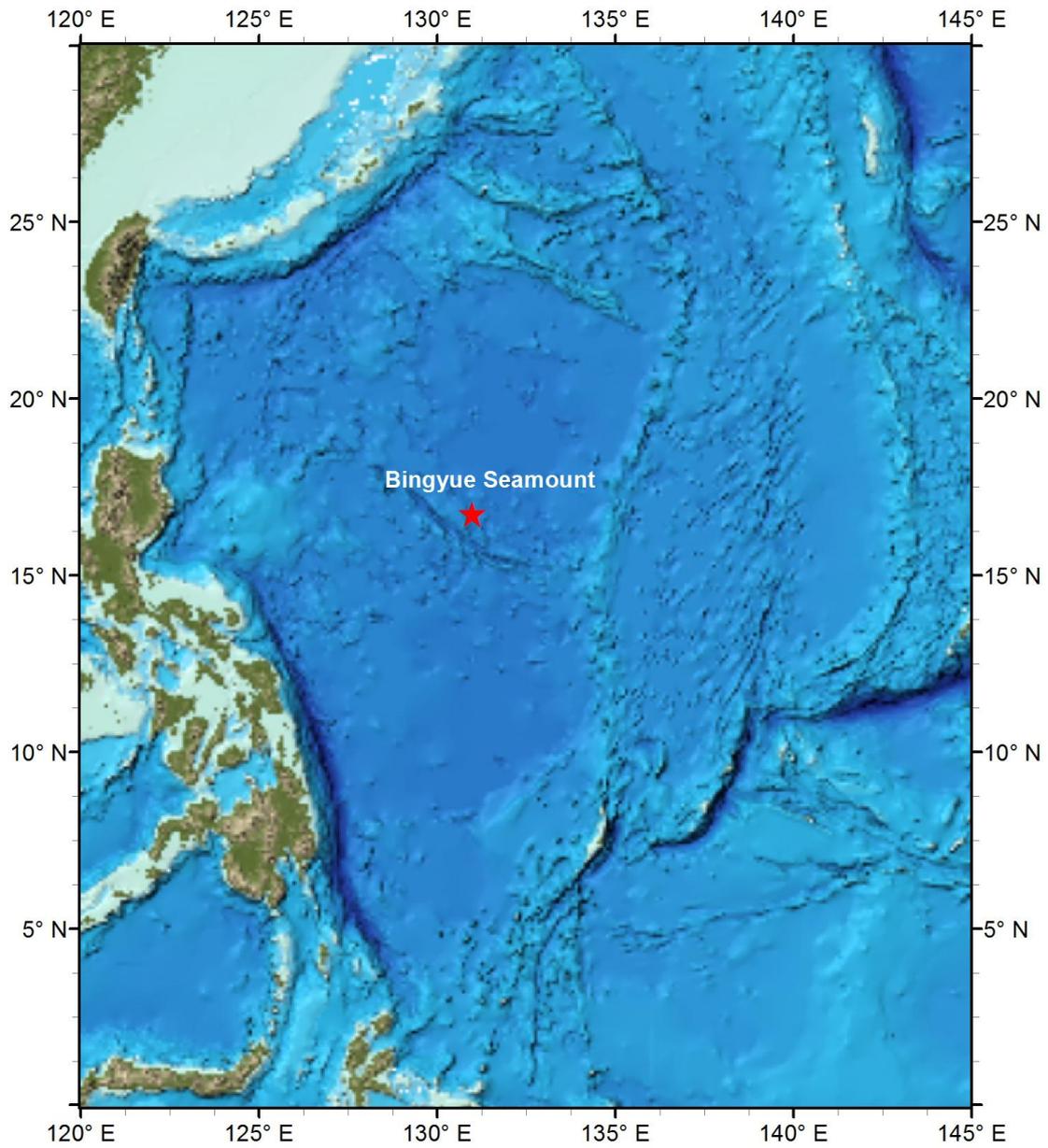


Fig.1 Index map showing the location of Bingyue Seamount

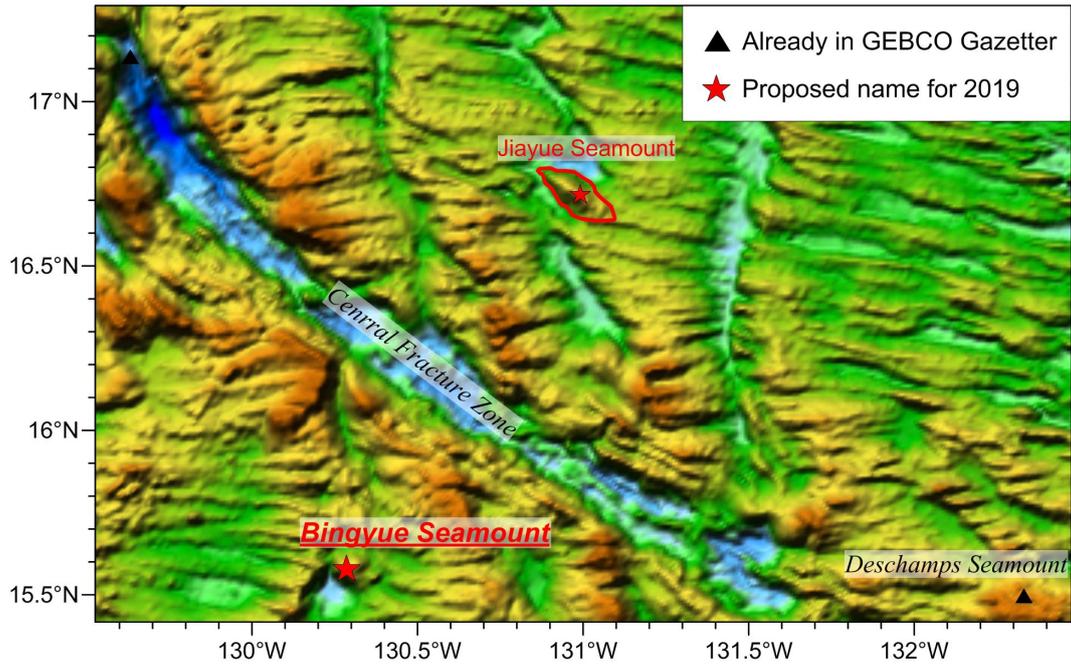


Fig.2 Regional bathymetry map with nearby features of Bingyue Seamount

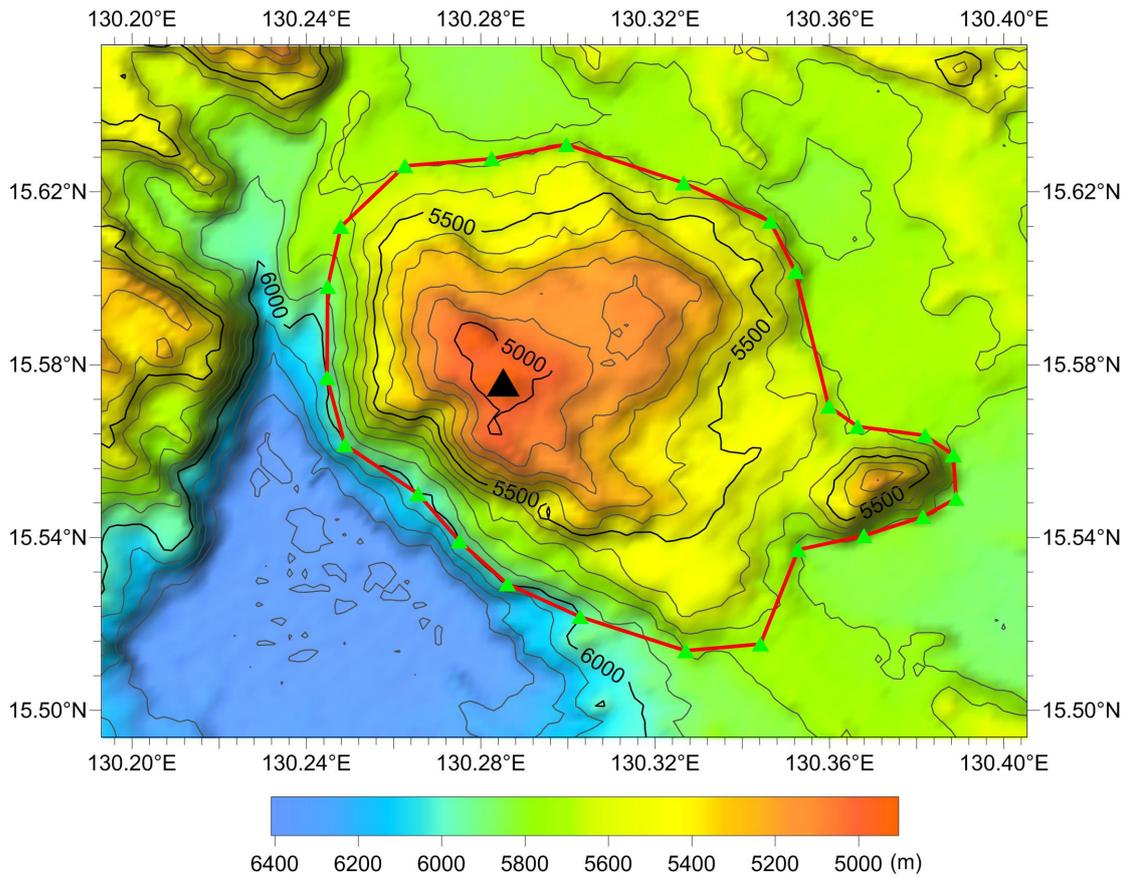


Fig.3 Bathymetric map of Bingyue Seamount (Contours are in 100m)

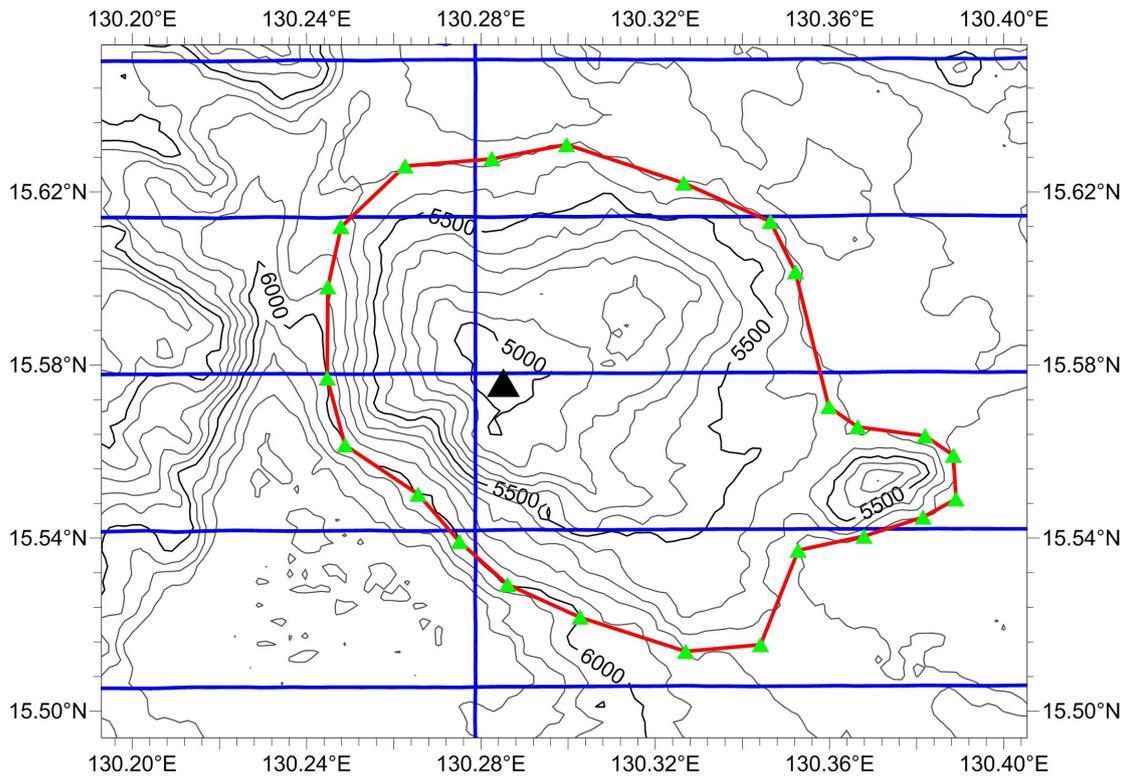


Fig.4 Bathymetric map of Bingyue Seamount overlain with track lines (Contours are in 100m, blue lines for the track lines)

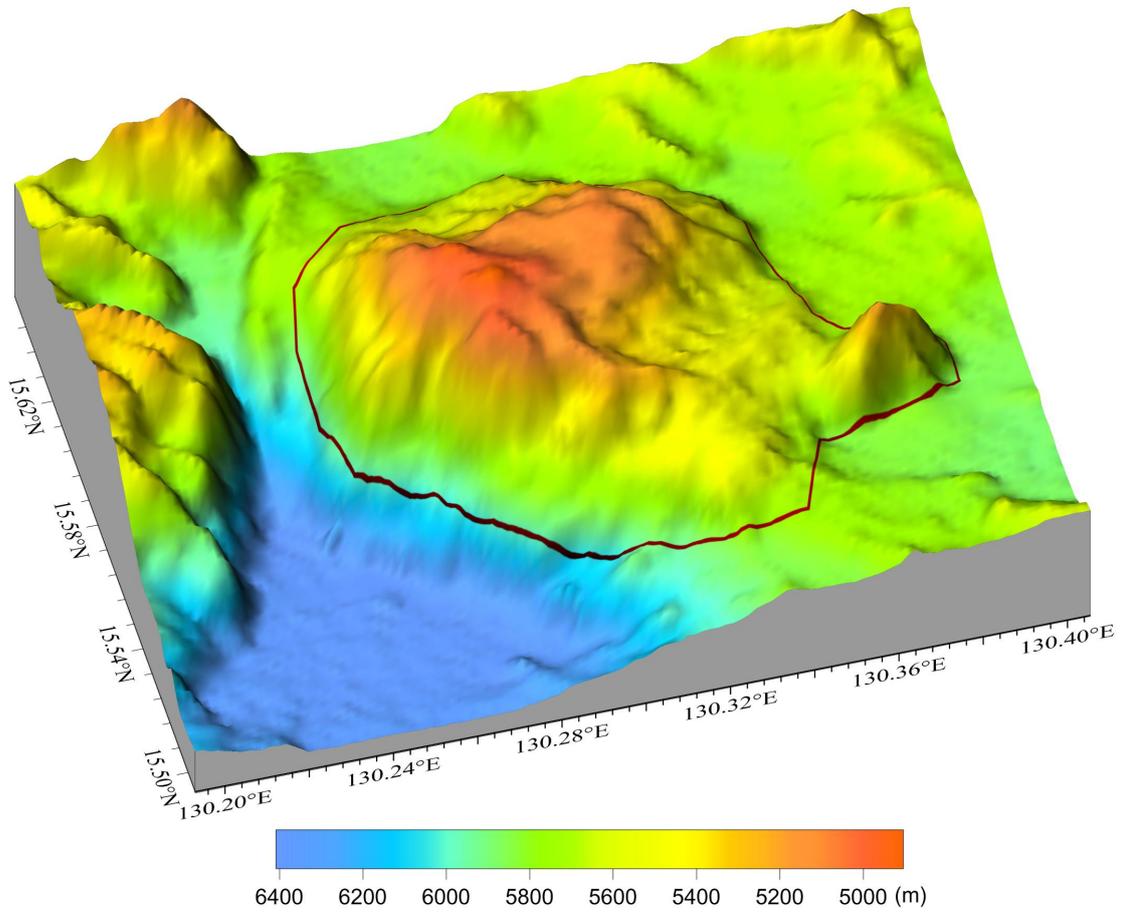


Fig.5 3-D bathymetric map of Bingyue Seamount

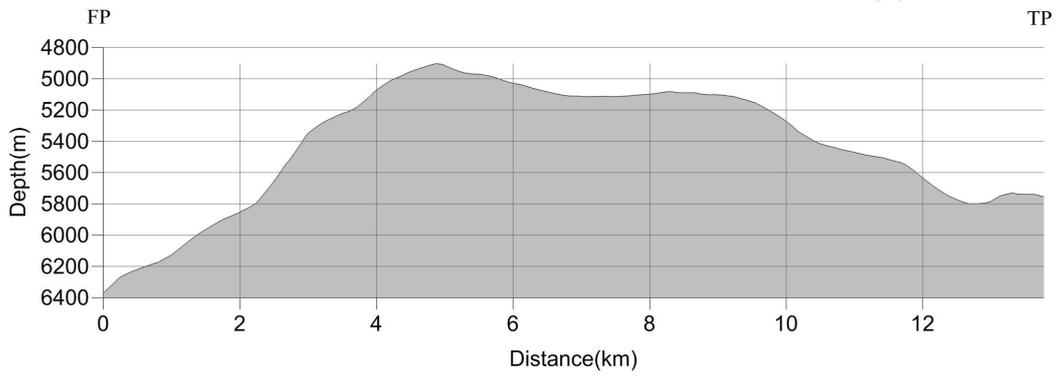
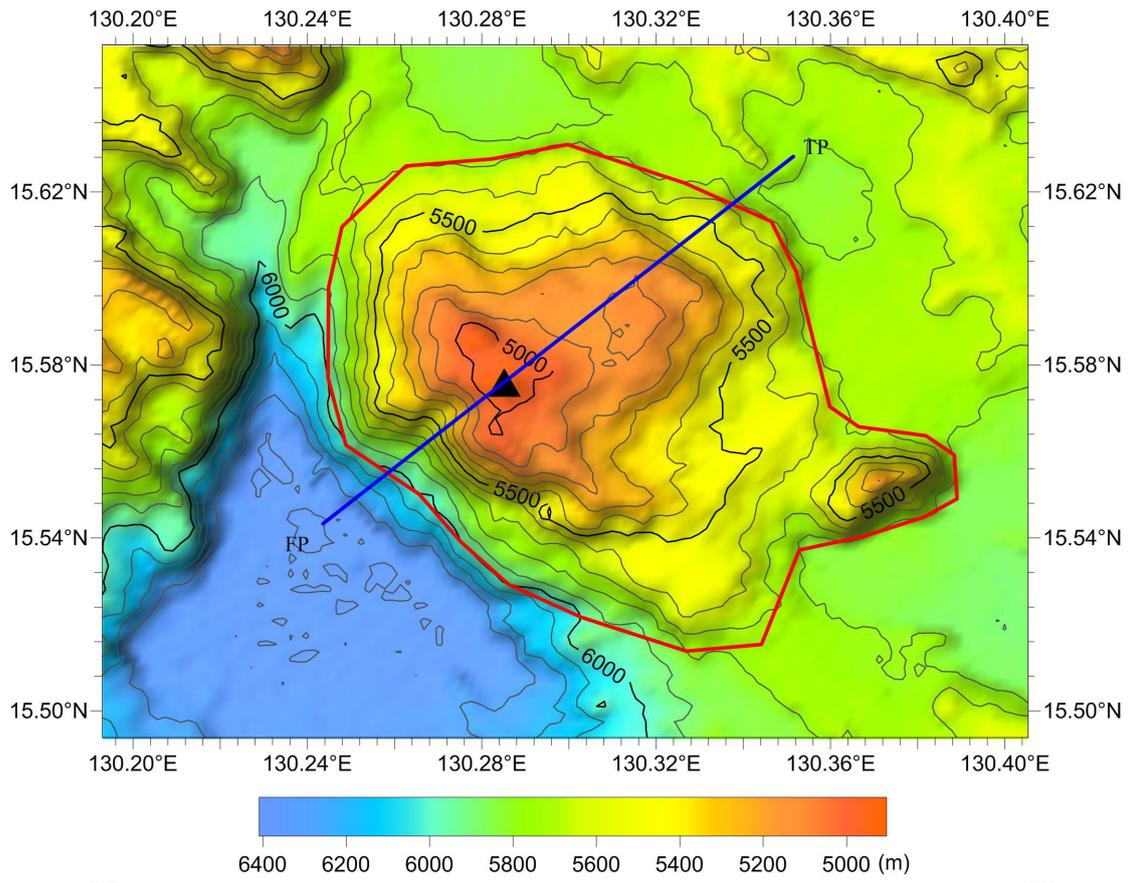


Fig.6 Profile map of Bingyue Seamount