

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

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

<b>Name Proposed:</b>	Shishen Seamount	<b>Ocean or Sea:</b>	South China Sea (SCS)
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<b>Geometry that best defines the feature (Yes/No) :</b>						
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)
<b>Coordinates:</b>	18°32.9'N (summit)	116°41.9'E (summit)
	18°41.8'N (bottom)	116°44.8'E (bottom)
	18°39.8'N	116°48.6'E
	18°38.7'N	116°50.4'E
	18°31.0'N	116°42.7'E
	18°30.4'N	116°36.6'E
	18°29.2'N	116°34.3'E
	18°30.1'N	116°33.0'E
	18°34.0'N	116°31.2'E
	18°34.7'N	116°31.7'E
	18°37.2'N	116°39.2'E
	18°38.1'N	116°40.2'E
	18°41.2'N	116°37.5'E
	18°42.3'N	116°38.1'E
	18°42.6'N	116°41.9'E
	18°41.8'N	116°44.8'E

<b>Feature Description:</b>	Maximum Depth:	3862m	Steepness :	5°-15°
	Minimum Depth :	2726m	Shape :	
	Total Relief :	1136m	Dimension/Size :	32km × 20km

<b>Associated Features:</b>	Shishen Seamount lies in the Northern SCS Slope. The southern slope of the seamount is steeper than the northern slope.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	Atlas of Geology and Geophysics of the South China Sea (1: 2 000 000) ,published in 2015
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	The seamount is named after Shi Shen (4 <sup>th</sup> century BC, the year of birth and death is unknown), an astronomer in Wei State during the Warring State period (475-221B.C.). His wrote the 8-volume Astronomy, an important part of Star Manual of the Masters Gan and Shi, which also included the 8-volume Astronomic Star Observation written by Gan De who is from Qi State during the Warring State period. Star Manual of the Masters Gan and Shi is a significant book in the international astronomy
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	history. International Astronomical Union named a crater on the moon's surface as Shishen Crater, in memory of his important contribution in astronomy.
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<b>Discovery Facts:</b>	Discovery Date:	1980-1982
	Discoverer (Individual, Ship):	R/V Haiyang Erhao

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	Aug.-Oct., 2000
	Survey Ship:	R/V Haiyang Liuhaio
	Sounding Equipment:	Multi-beam sounding system (EM122)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	5.0nm
Supporting material can be submitted as Annex in analog or digital form.		

<b>Proposer(s):</b>	Name(s):	Zhu Benduo, Huang Wenxing
	Date:	Aug. 1st, 2017
	E-mail:	Zhubenduo@163.com
	Organization and Address:	Guangzhou Marine Geological Survey, China Geological Survey. No.188 Guanghai Rd., Huangpu District, Guangzhou, China.
	Concurrer (name, e-mail, organization and address):	

<b>Remarks:</b>	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names(CCUFN). NO.1 Fuxingmengwai Street, Xicheng District,Beijing,China,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 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: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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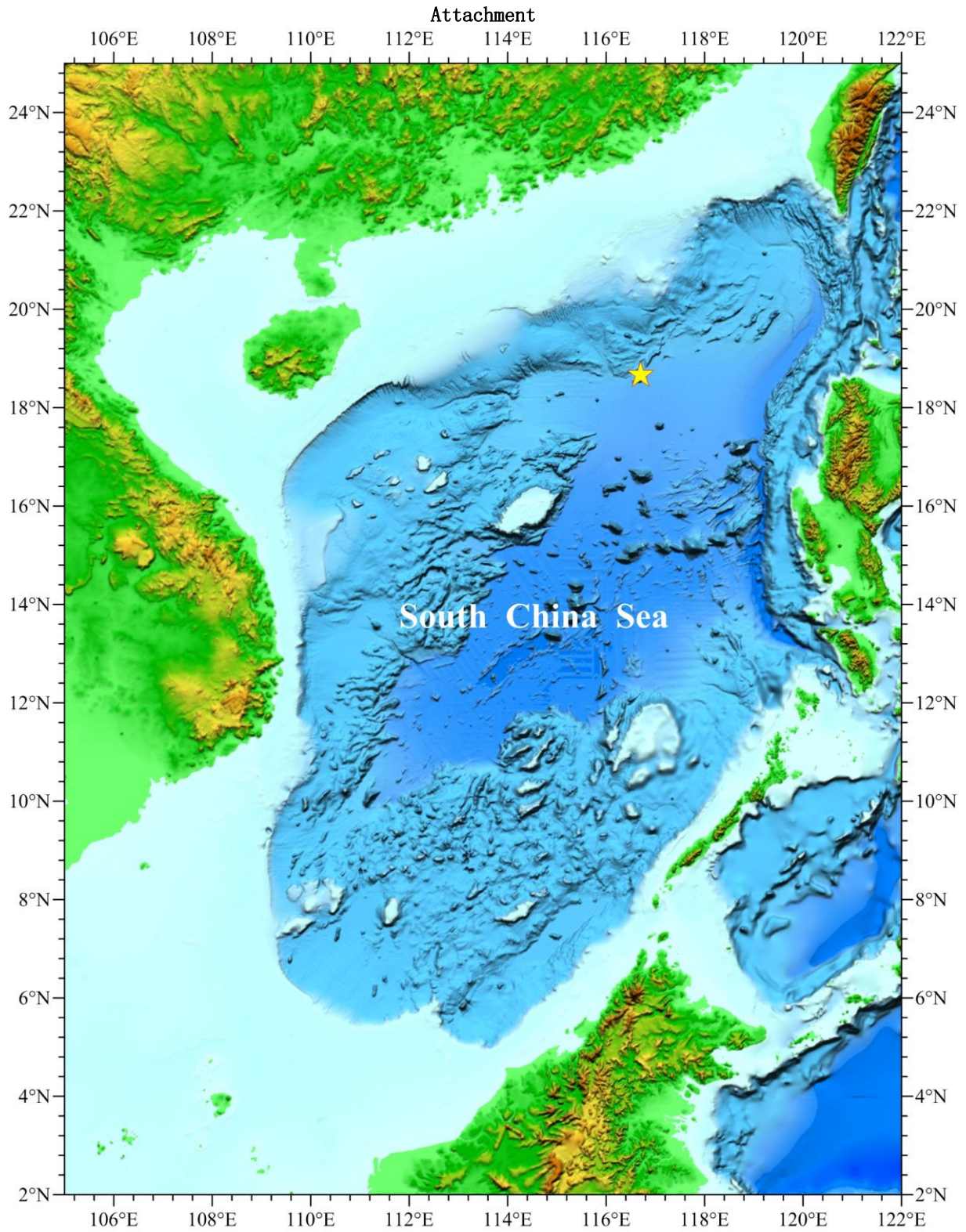


Fig.1 Index map showing the location of Shishen Seamount

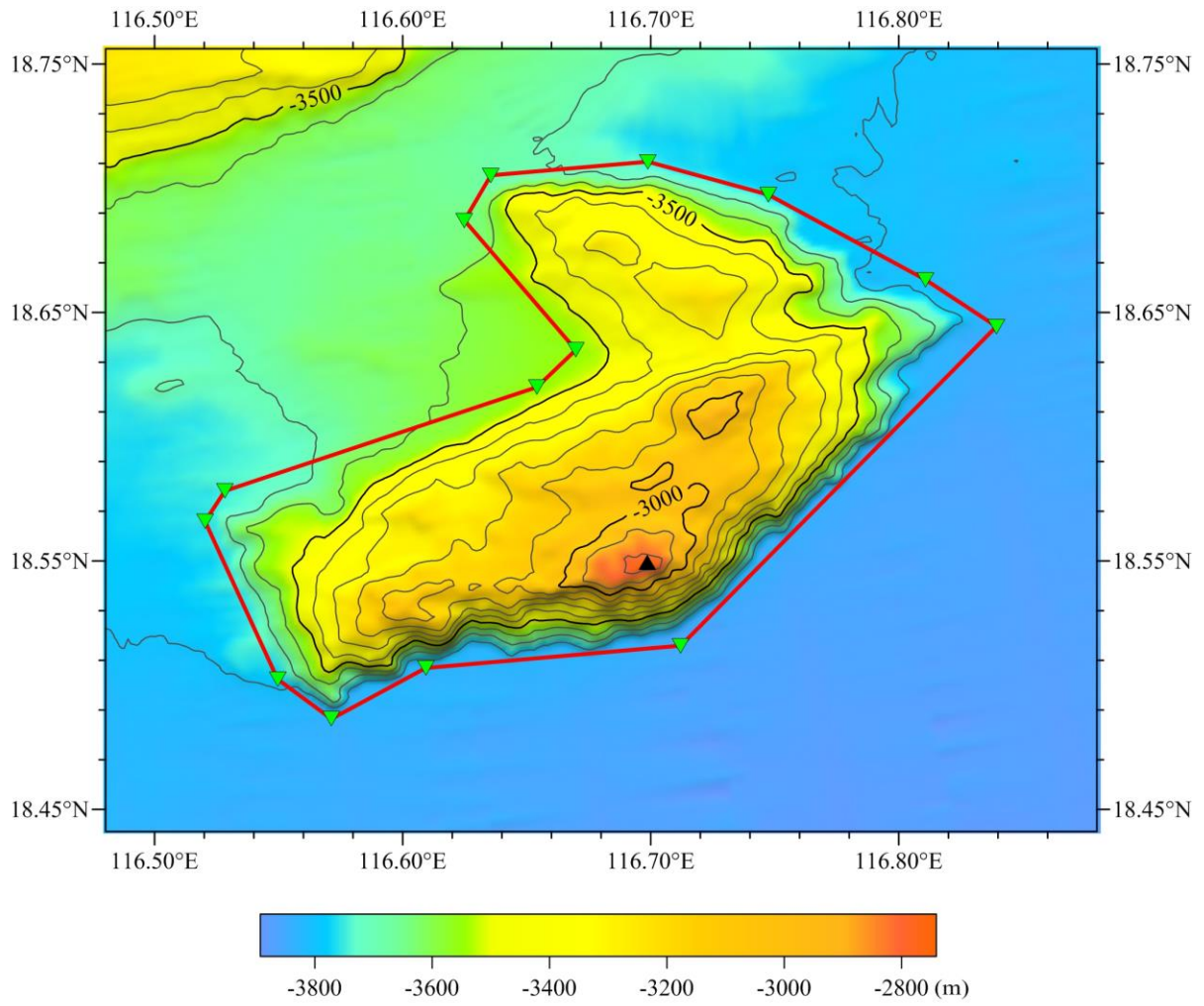


Fig.2 Bathymetric map of Shishen Seamount (Contours are in 100m)



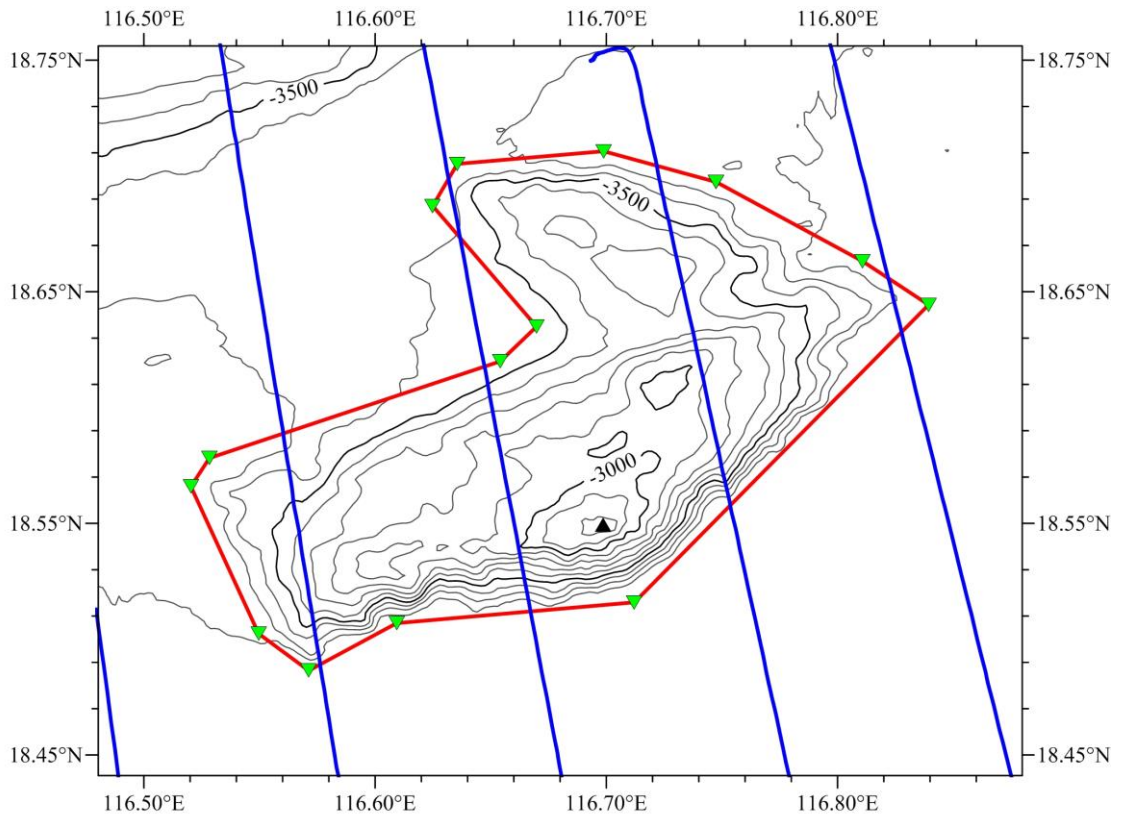


Fig.3 Bathymetric map of Shishen Seamount overlain with track lines (Contours are in 100m, blue lines for the track lines)

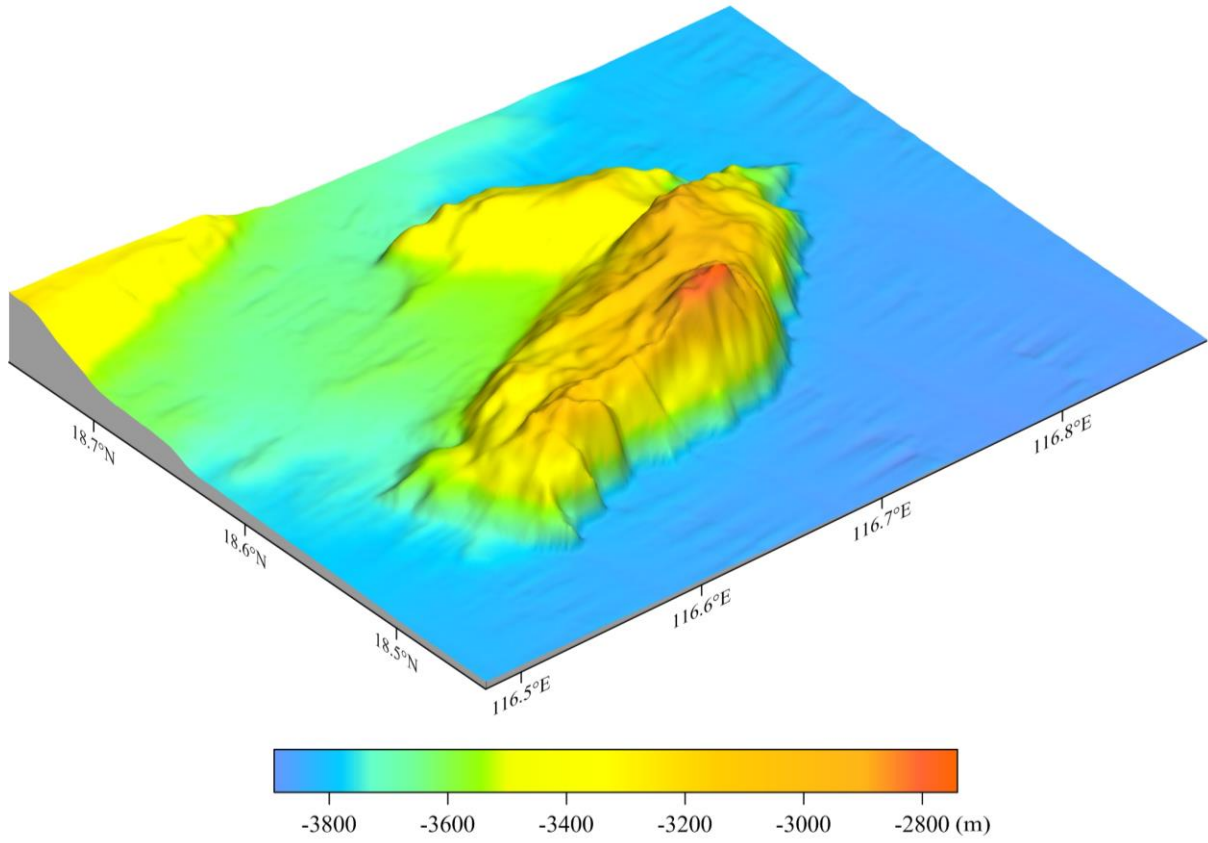


Fig.4 3-D bathymetric map of Shishen Seamount

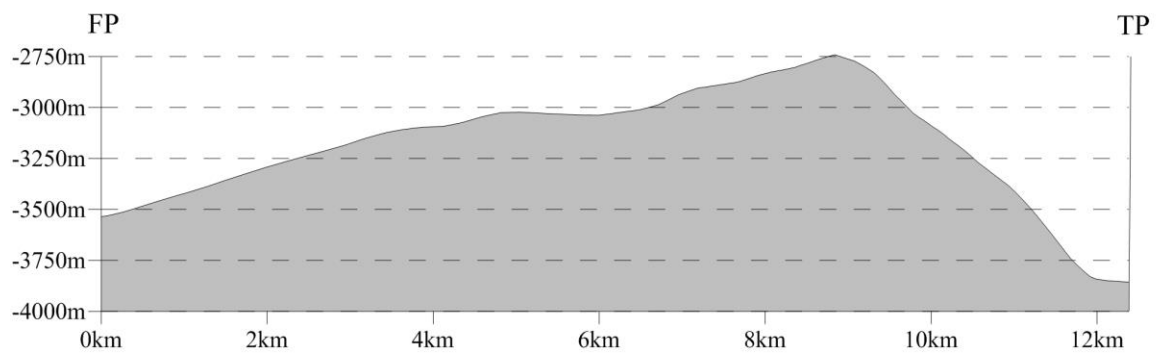
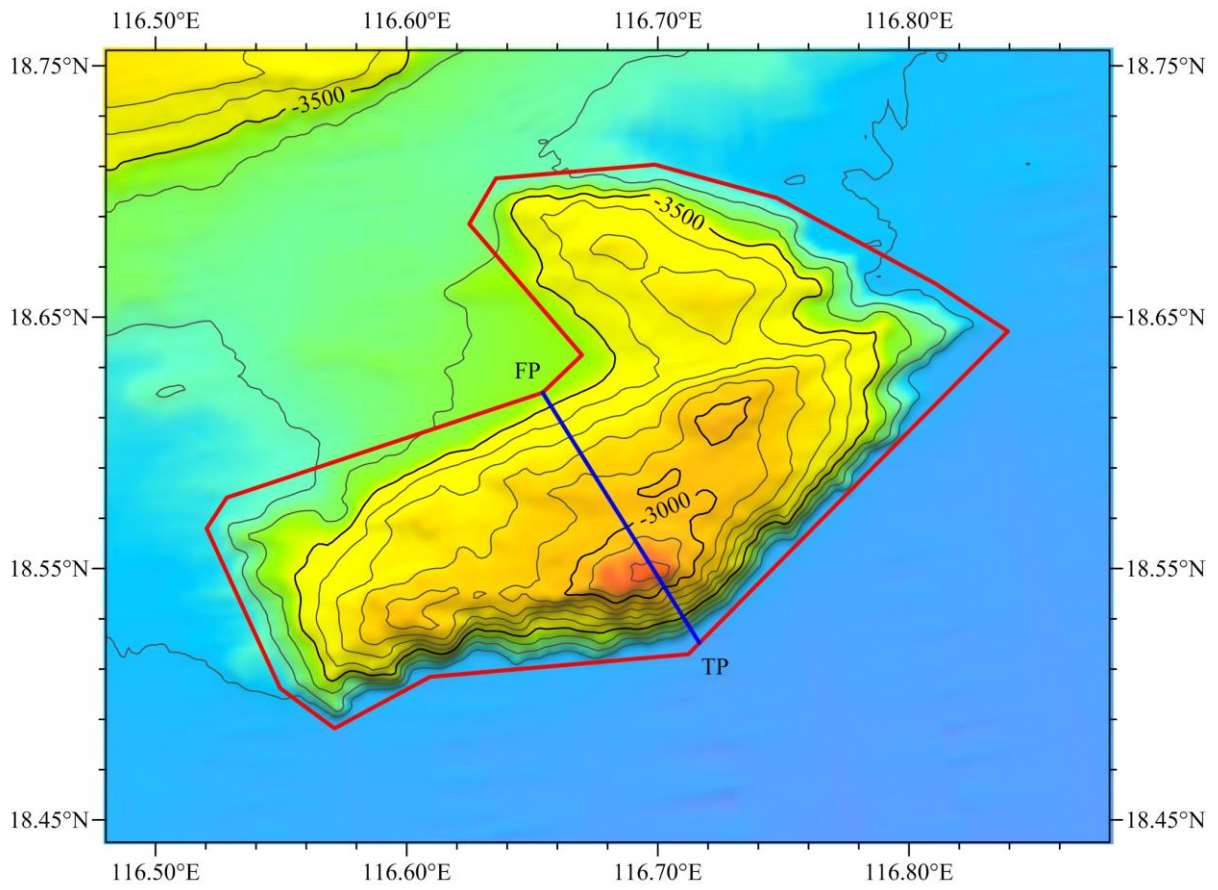


Fig.5 Profile map of Shishen Seamount