

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:	Shuangfengxi Hill	Ocean or Sea:	South China Sea (SCS)
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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:	18°08.9'N (summit)	114°49.5'E (summit)
	18°08.2'N (bottom)	114°48.8'E (bottom)
	18°09.5'N	114°48.3'E
	18°11.3'N	114°48.8'E
	18°12.2'N	114°47.9'E
	18°13.3'N	114°47.3'E
	18°14.6'N	114°47.4'E
	18°14.9'N	114°48.1'E
	18°13.8'N	114°50.1'E
	18°12.1'N	114°51.1'E
	18°11.1'N	114°52.9'E
	18°10.5'N	114°53.2'E
	18°09.0'N	114°52.2'E
	18°07.8'N	114°49.6'E
	18°08.2'N	114°48.8'E

Feature Description:	Maximum Depth:	3678m	Steepness :	5 °20 °
	Minimum Depth :	3030m	Shape :	
	Total Relief :	648m	Dimension/Size :	13km ×9km

Associated Features:	Shuangfengxi Hill lies in the Northern SCS Slope. There are several peaks on the hill.
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Chart/Map References:	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:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Shuangfengxi means to the west of Shuangfeng in Chinese. This hill lies to the west of Shuangfeng Seamount, thus named Shuangfengxi Hill.
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Discovery Facts:	Discovery Date:	2008
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including	Date of Survey:	Apr.-Jul., 2008
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Track Controls:	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system (Seabeam 2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	5nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Liu Liqiang, Zhu Benduo
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	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):	

Remarks:	
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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 <u>Principality of MONACO</u> 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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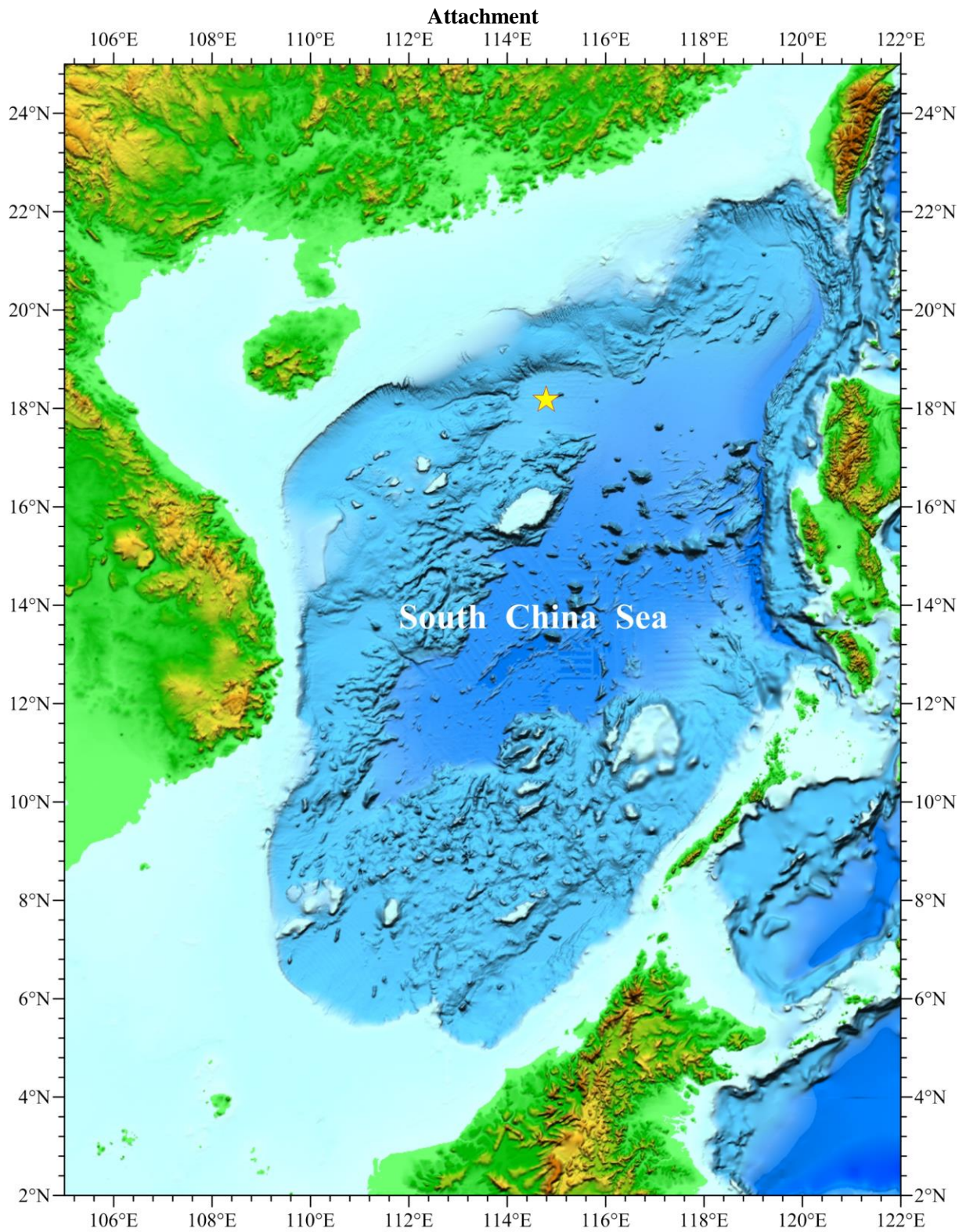


Fig.1 Index map showing the location of Shuangfengxi Hill

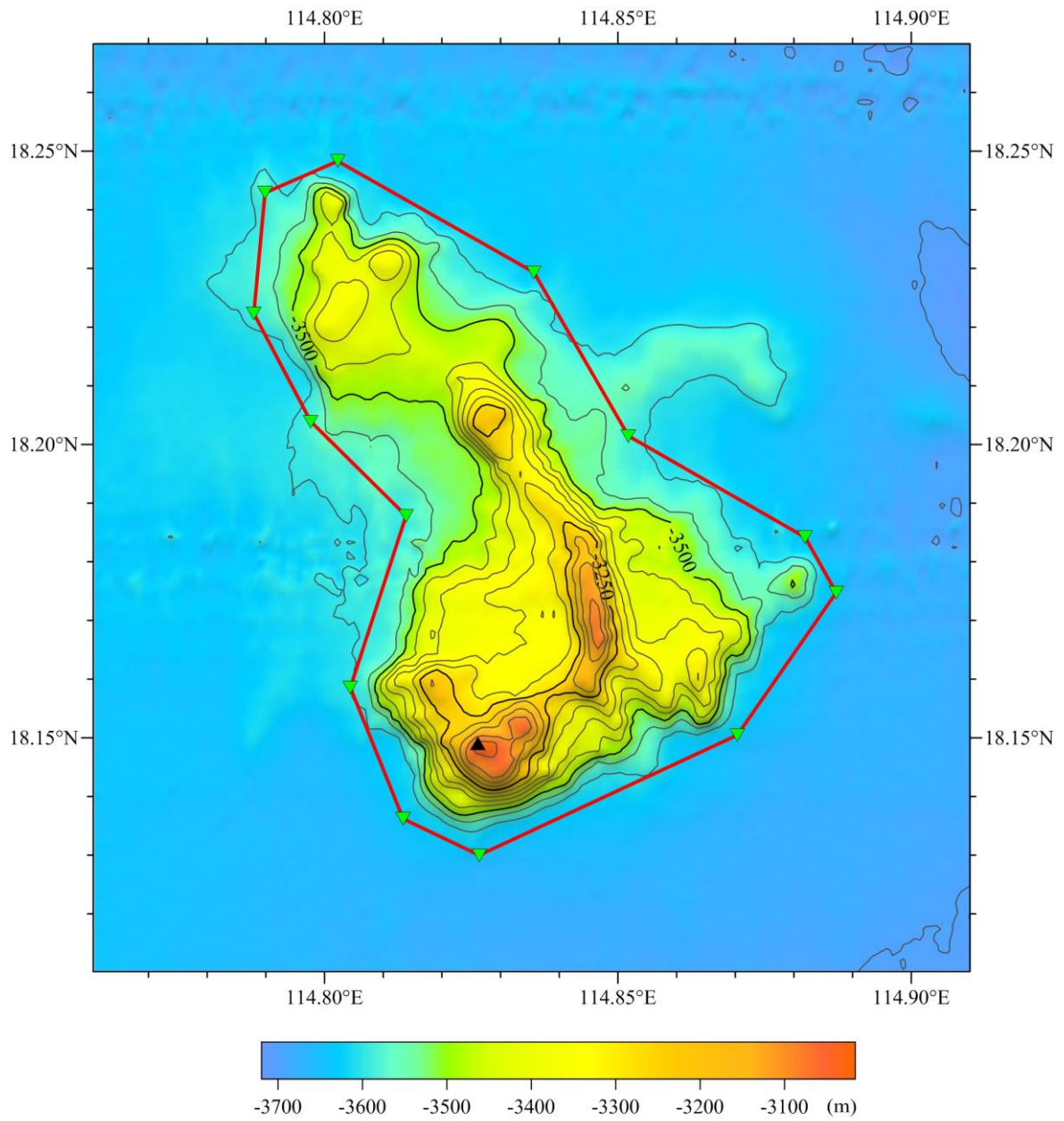


Fig.2 Bathymetric map of Shuangfengxi Hill (Contours are in 50m)

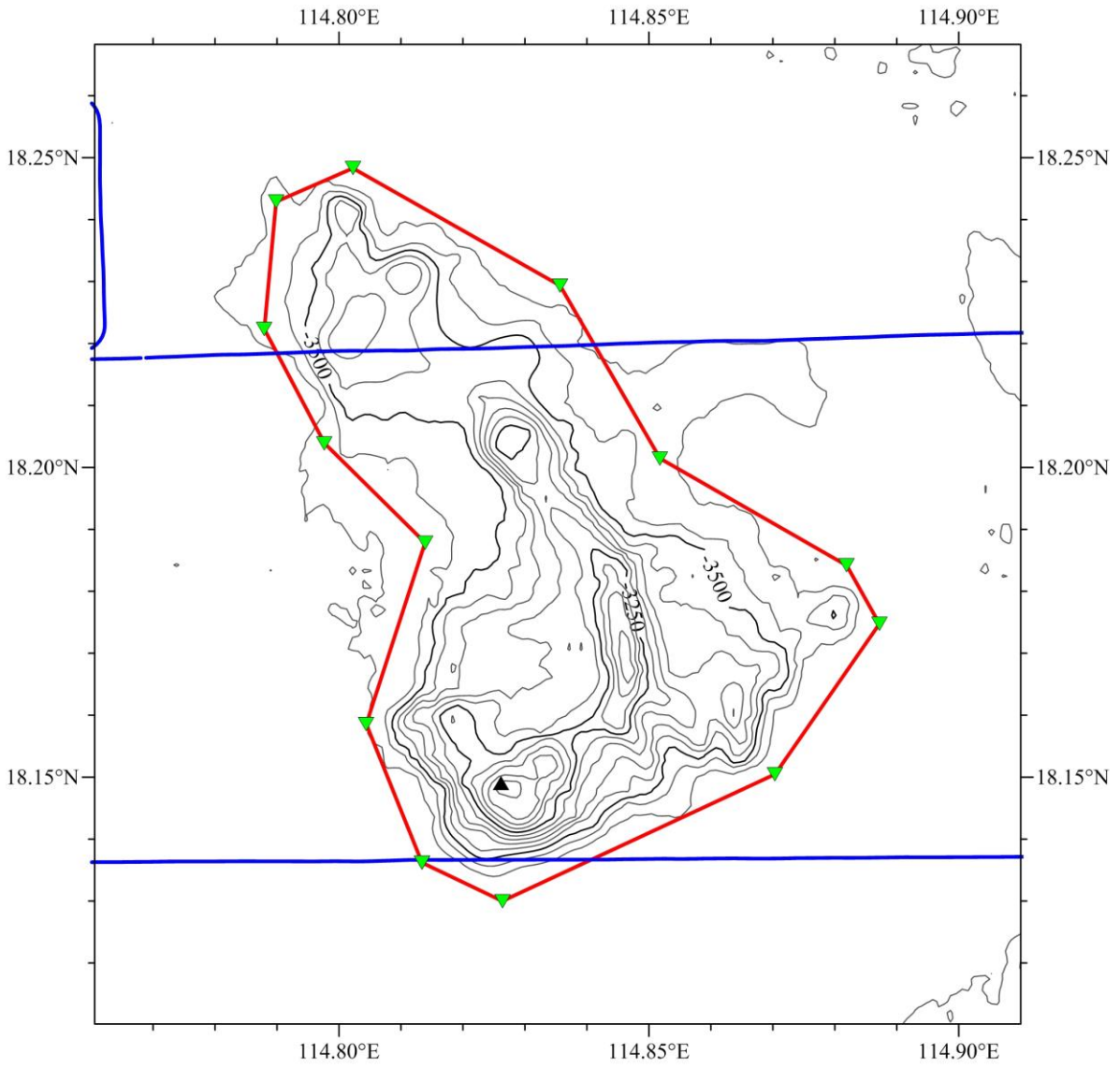


Fig.3 Bathymetric map of Shuangfengxi Hill overlain with track lines (Contours are in 50m, blue lines for the track lines)

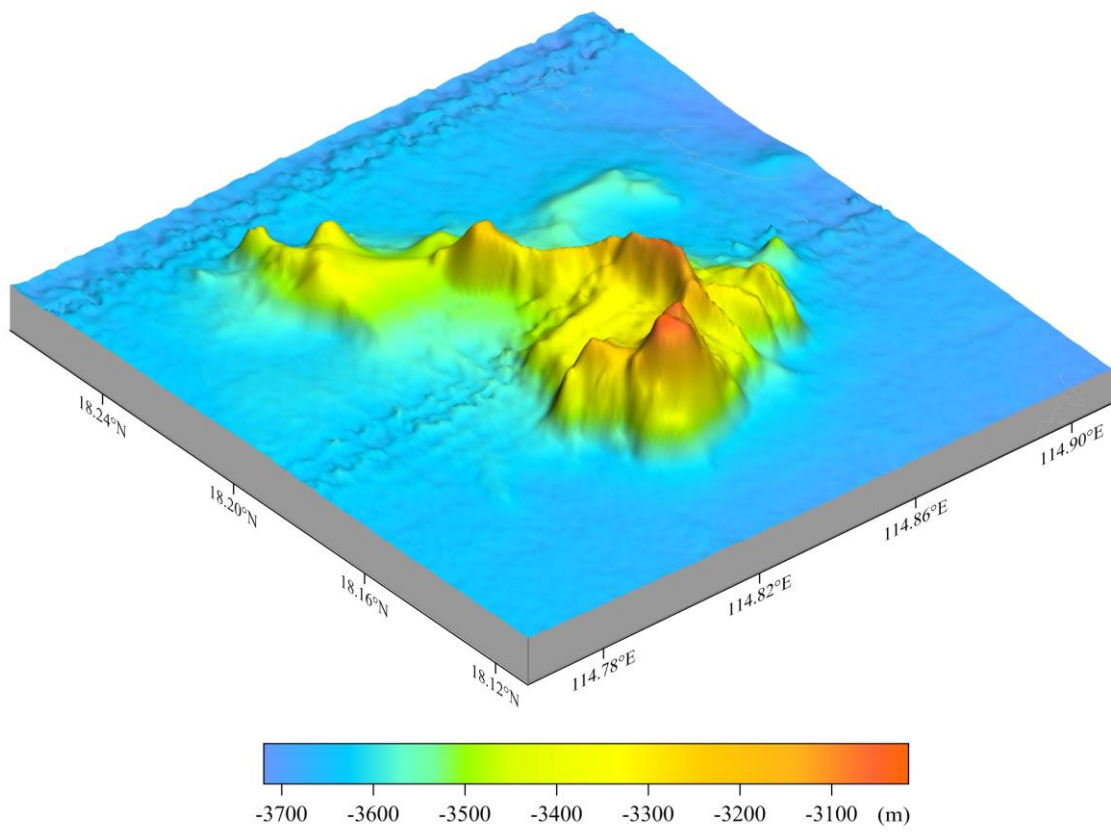


Fig.4 3-D bathymetric map of Shuangfengxi Hill

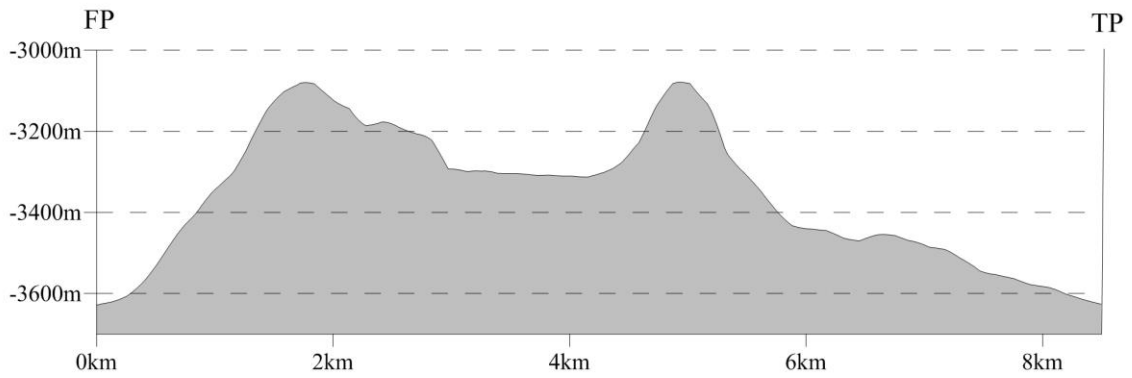
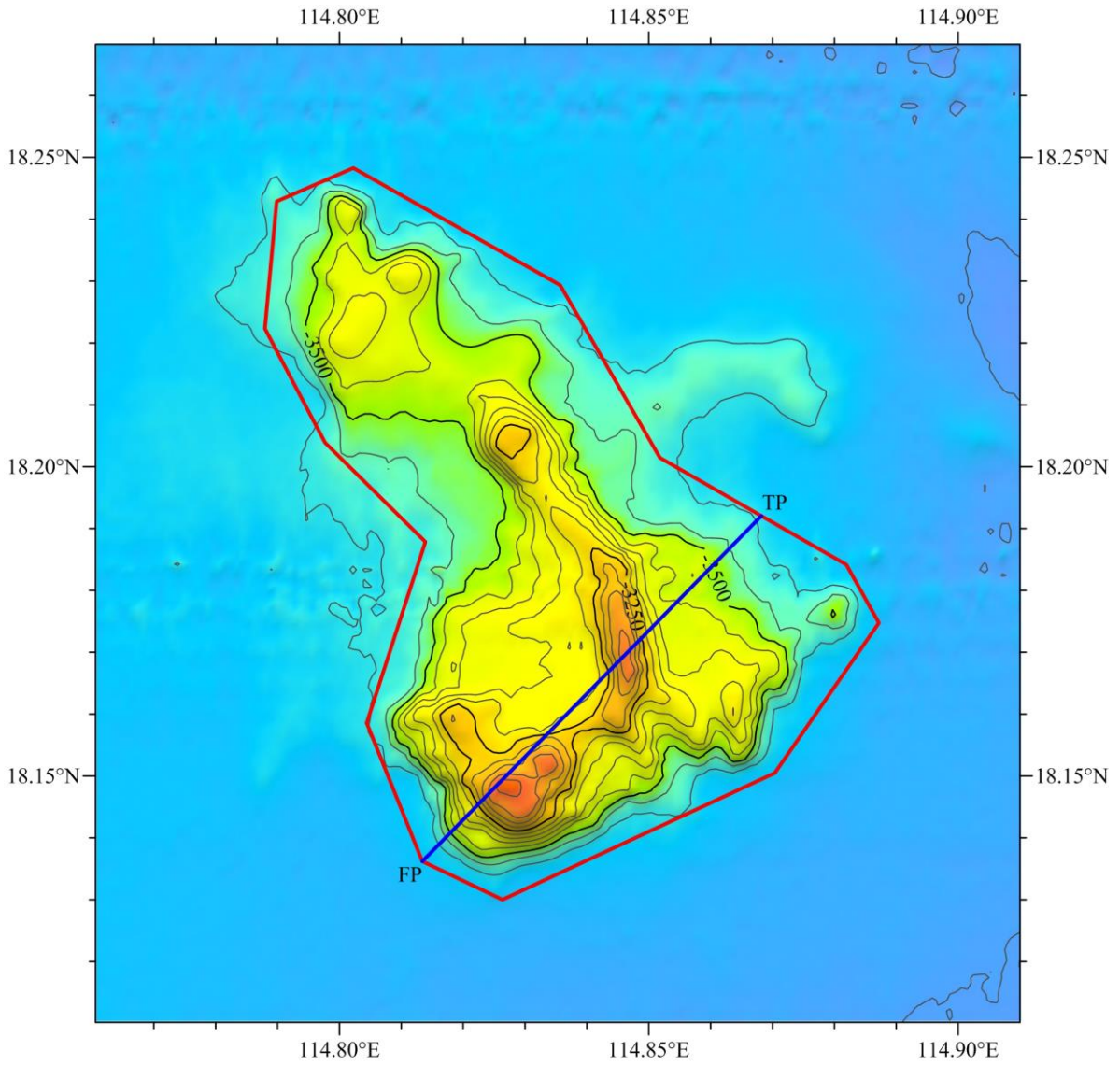


Fig.5 Profile map of Shuangfengxi Hill