

**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>	Qinjiushao Hill	<b>Ocean or Sea:</b>	South China Sea (SCS)
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<b>Geometry</b> 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)
<b>Coordinates:</b>	19°03.5'N(summit)	117°13.6'E(summit)
	19°05.4'N(bottom)	117°14.4'E(bottom)
	19°04.4'N	117°16.9'E
	19°02.6'N	117°18.7'E
	19°02.9'N	117°19.7'E
	19°02.8'N	117°21.7'E
	19°02.1'N	117°22.7'E
	19°01.0'N	117°21.3'E
	19°01.9'N	117°19.7'E
	19°01.1'N	117°17.0'E
	19°02.3'N	117°15.1'E
	19°01.5'N	117°12.2'E
	18°59.9'N	117°09.7'E
	18°58.5'N	117°08.8'E
	18°58.3'N	117°07.3'E
	18°58.8'N	117°07.1'E
	19°01.7'N	117°09.5'E
19°02.6'N	117°09.7'E	
19°04.6'N	117°11.3'E	
19°05.4'N(bottom)	117°14.4'E(bottom)	

<b>Feature Description:</b>	<b>Maximum Depth:</b>	3733m	<b>Steepness :</b>	
	<b>Minimum Depth :</b>	3153m	<b>Shape :</b>	
	<b>Total Relief :</b>	580m	<b>Dimension/Size :</b>	30.2km × 5.9km

<b>Associated Features:</b>	Qinjiushao Hill lies on the Northern SCS Basin, and is adjacent to the Dushi Seamount. The hill is narrow, long and curved, extending from east to west.
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<b>Chart/Map References:</b>	<b>Shown Named on Map/Chart:</b>	Atlas of Geology and Geophysics of the South China Sea (1 : 2 000 000), published in 2015
	<b>Shown Unnamed on Map/Chart:</b>	GEBCO 5.06
	<b>Within Area of Map/Chart:</b>	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Qinjiushao Hill is named after Qin Jiushao (1208 -1268), a mathematician of Song Dynasty of China. He summarized and developed the numerical solution of the high order equation, and
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	introduced the solution of linear congruence problem in his book Jiu Zhang Shu Xue (the Nine Chapters of Mathematics), in which Qin Jiushao algorithm was proposed. This hill name is in memory of Qin Jiushao's great contribution to mathematics.
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<b>Discovery Facts:</b>	Discovery Date:	2000
	Discoverer (Individual, Ship):	R/V Haiyang No.04

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	2000-2001
	Survey Ship:	R/V Haiyang No.04
	Sounding Equipment:	Multi-beam sounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	2.5nm
Supporting material can be submitted as Annex in analog or digital form.		

<b>Proposer(s):</b>	Name(s):	Liu Liqiang, Zhu Benduo
	Date:	Jun. 10, 2018
	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 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 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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Attachment

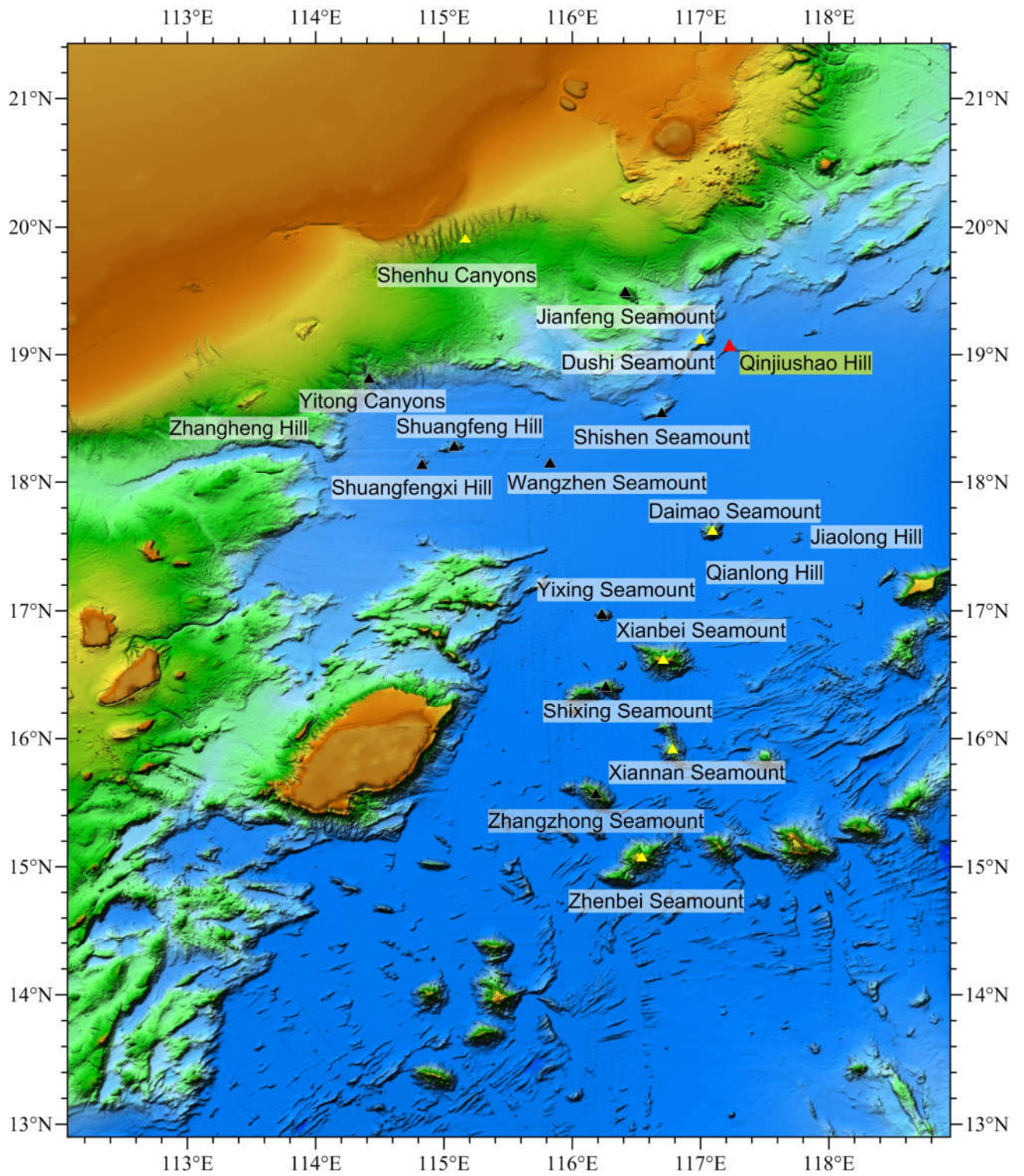


Fig.1 Index map showing the location of Qinqiushao Hill

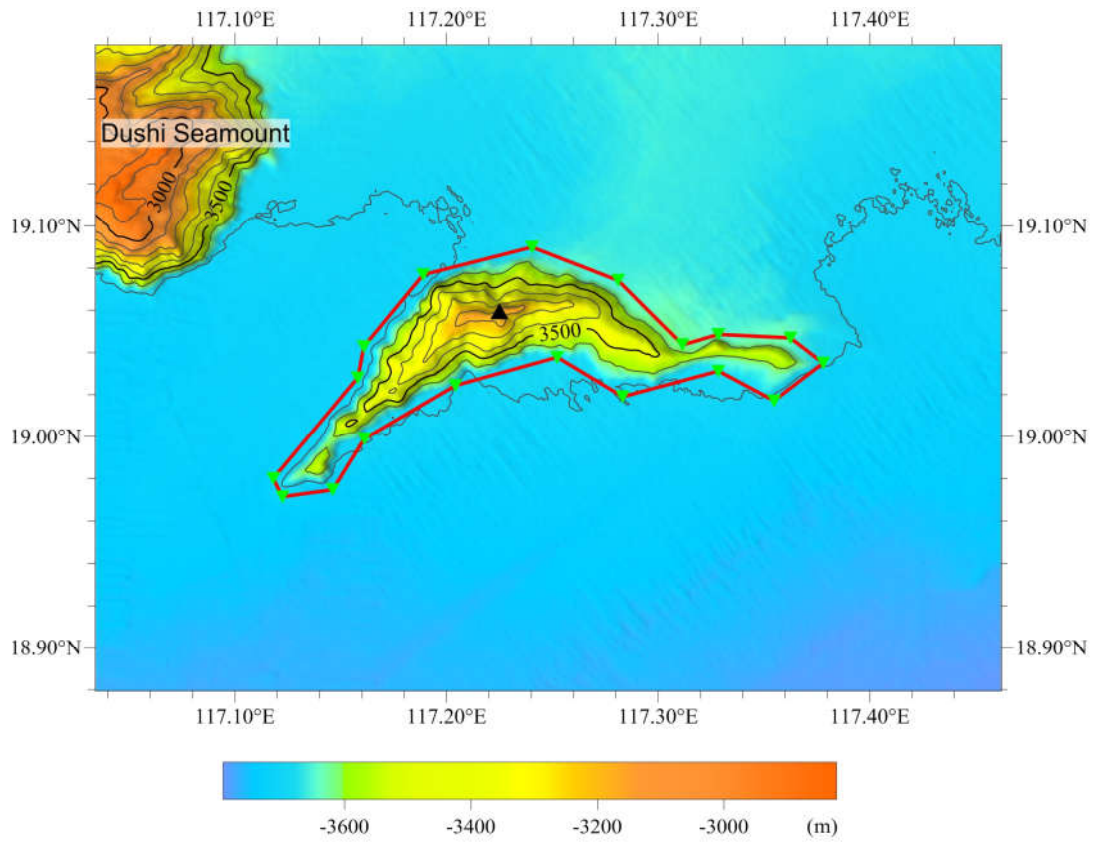


Fig.2 Bathymetric map of Qinjiushao Hill (Contours are in 100m)

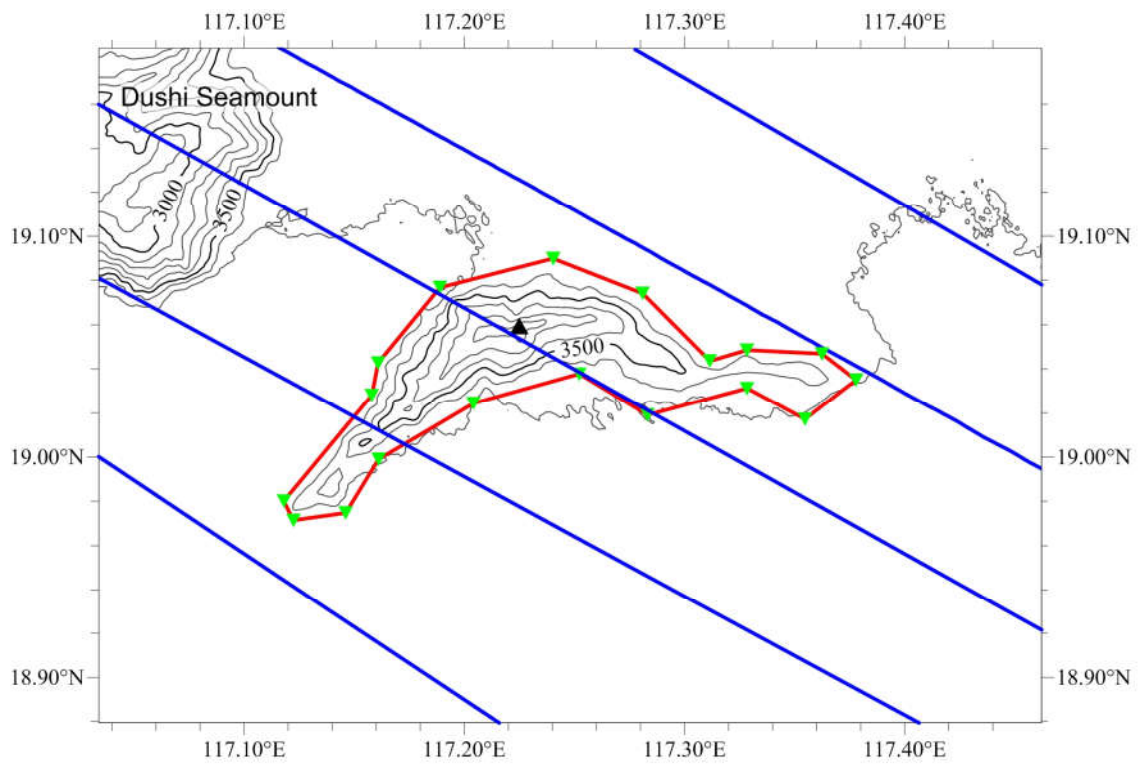


Fig.3 Bathymetric map of Qinjiushao Hill overlain with track lines (Contours are in 100m, blue lines for the track lines)

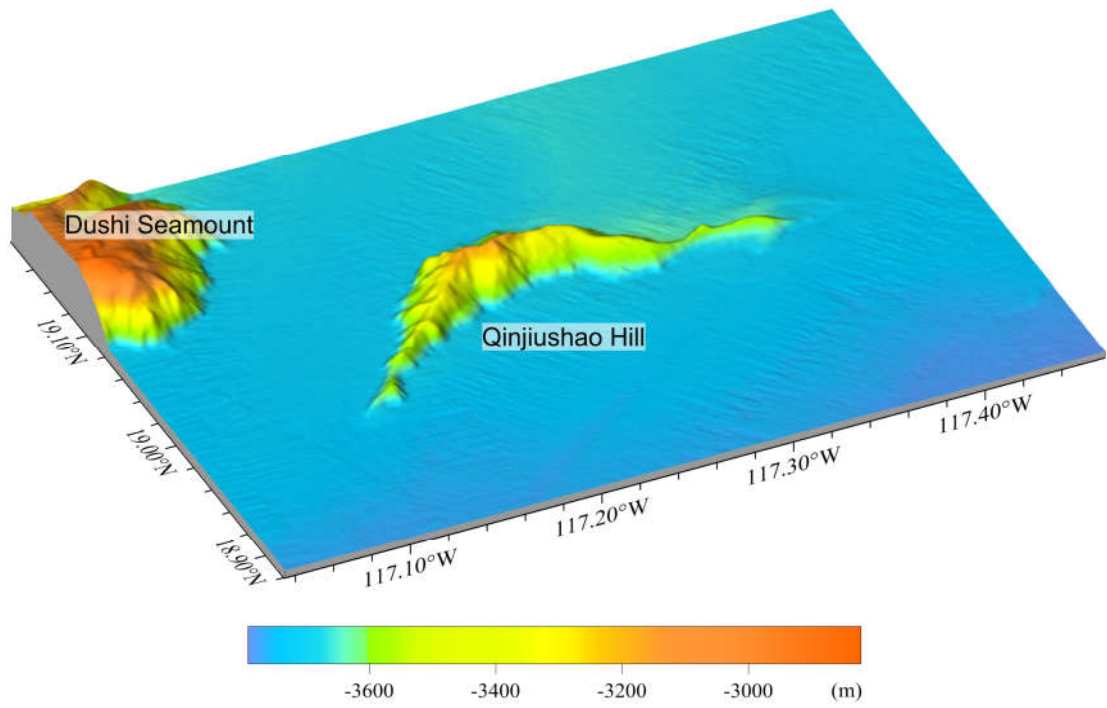


Fig.4 3-D bathymetric map of Qnjiushao Hill

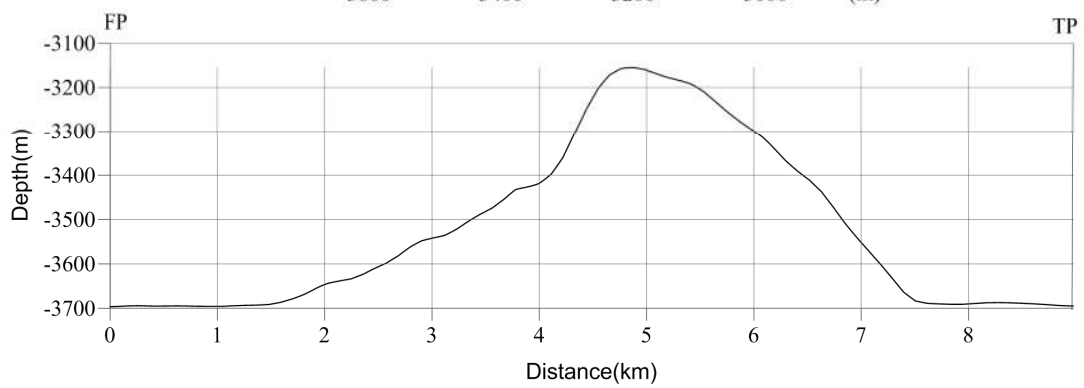
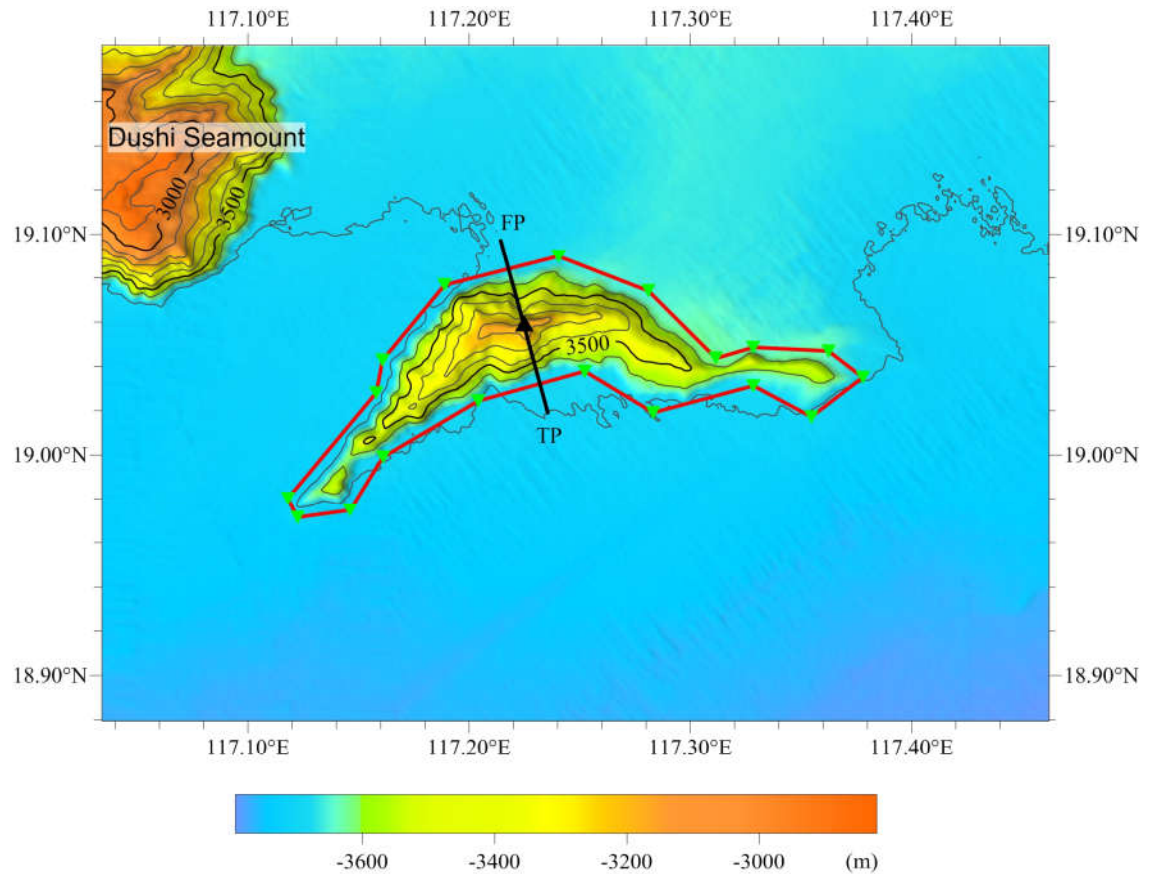


Fig.5 Profile map of Qnjiushao Hill