

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:	Dushi Seamount	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:	19°06.9'N(summit)	117°00.8'E(summit)
	18°50.7'N(bottom)	116°49.9'E(bottom)
	18°50.5'N	116°47.6'E
	18°50.8'N	116°47.4'E
	18°52.6'N	116°47.6'E
	18°55.0'N	116°47.5'E
	18°57.2'N	116°46.9'E
	18°58.5'N	116°46.9'E
	18°59.8'N	116°47.3'E
	19°00.7'N	116°49.5'E
	19°04.4'N	116°50.1'E
	19°11.8'N	116°59.2'E
	19°12.8'N	117°01.6'E
	19°12.9'N	117°02.8'E
	19°11.4'N	117°02.9'E
	19°11.9'N	117°05.1'E
	19°11.0'N	117°06.1'E
	19°10.1'N	117°07.1'E
	19°07.6'N	117°07.3'E
	19°04.9'N	117°05.5'E
	19°03.7'N	117°03.7'E
	19°04.2'N	117°01.5'E
	19°01.4'N	116°57.1'E
18°58.0'N	116°55.4'E	
18°54.9'N	116°53.5'E	
18°50.7'N(bottom)	116°49.9'E(bottom)	

Feature Description:	Maximum Depth:	3741m	Steepness :	
	Minimum Depth :	2686m	Shape :	
	Total Relief :	1055m	Dimension/Size :	50km × 12.3km

Associated Features:	Dushi Seamount lies on the Northern SCS Slope, and is adjacent to the Qinjiushao Hill located on the SCS Basin. The seamount extends from northeast to southwest. Its shape is like a strip belt. The slope of the seamount top is gentle.
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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):	Dushi Seamount is named after Du Shi (?-38), a scientist of Han Dynasty in China. He invented the hydraulic bellows machine, which can make the air feed into iron smelting furnace to cast agriculture tools. This is one of the most important inventions in the history of world mechanical engineering. The production efficiency was greatly increased. This seamount name is in memory of Du Shi's great contribution to the development of the Chinese technology.
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Discovery Facts:	Discovery Date:	2000
	Discoverer (Individual, Ship):	R/V Haiyang No.04

Supporting Survey Data, including Track Controls:	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.		

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

Remarks:	This proposal has been reviewed and approved by China Subcommittee on Undersea Feature Names (CCUFN). No.1 Fuxingmenwai 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 :

<p>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</p>	<p>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/</p>
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Attachment

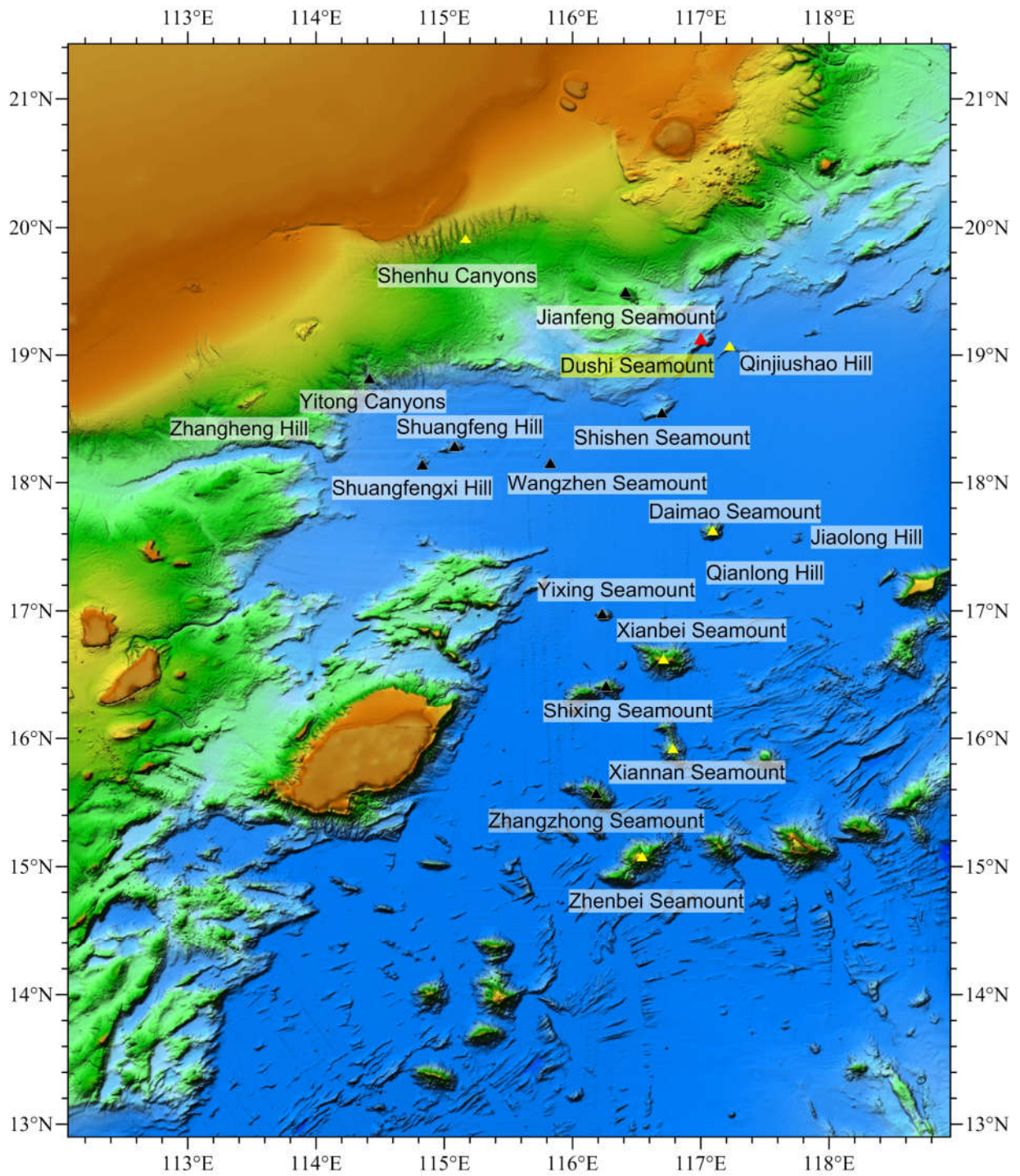


Fig.1 Index map showing the location of Dushi Seamount

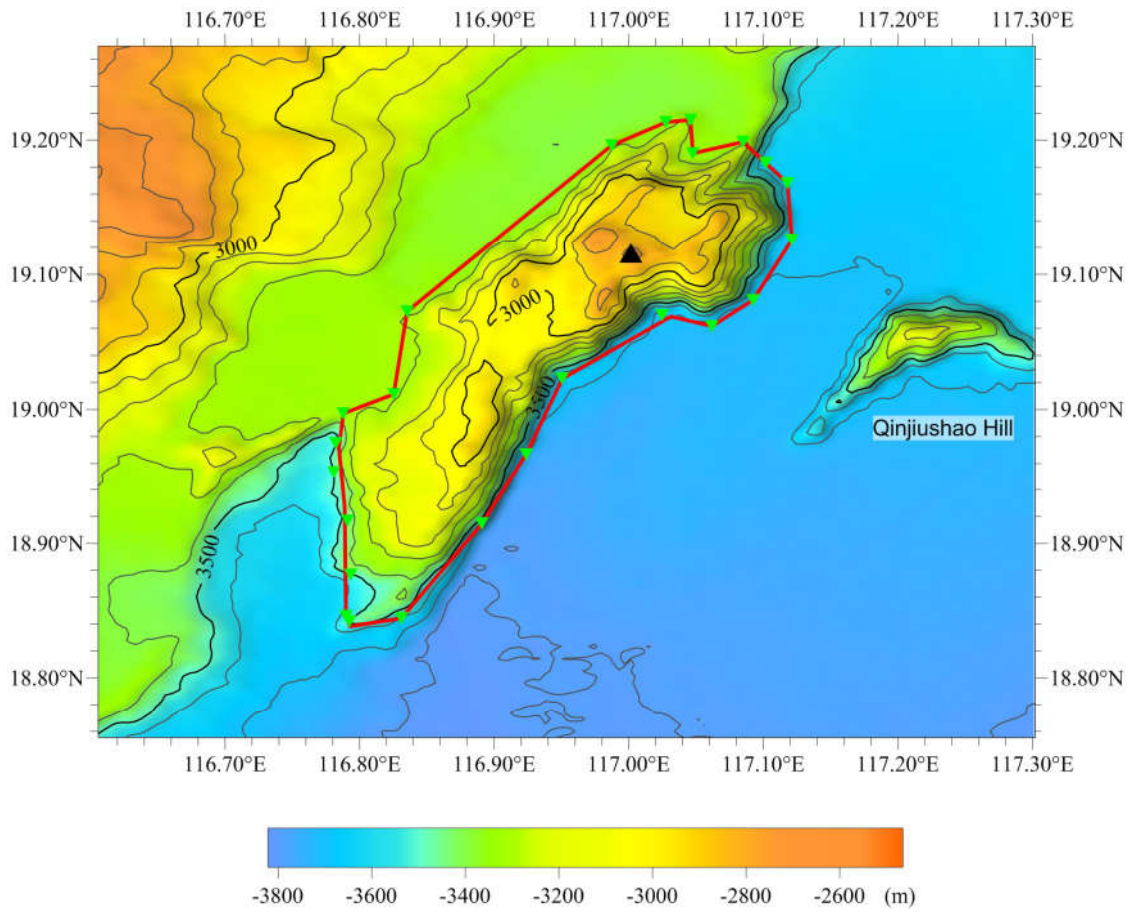


Fig.2 Bathymetric map of Dushi Seamount (Contours are in 100m)

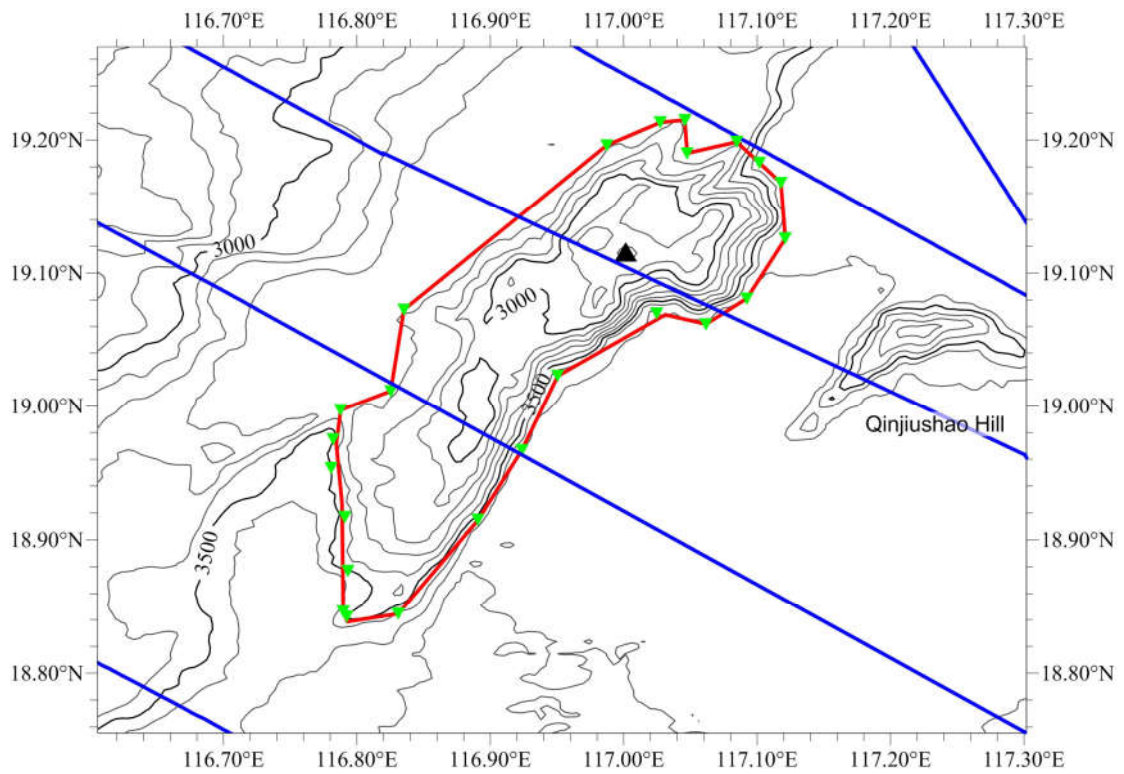


Fig.3 Bathymetric map of Dushi Seamount overlain with track lines (Contours are in 100m, blue lines for the track lines)

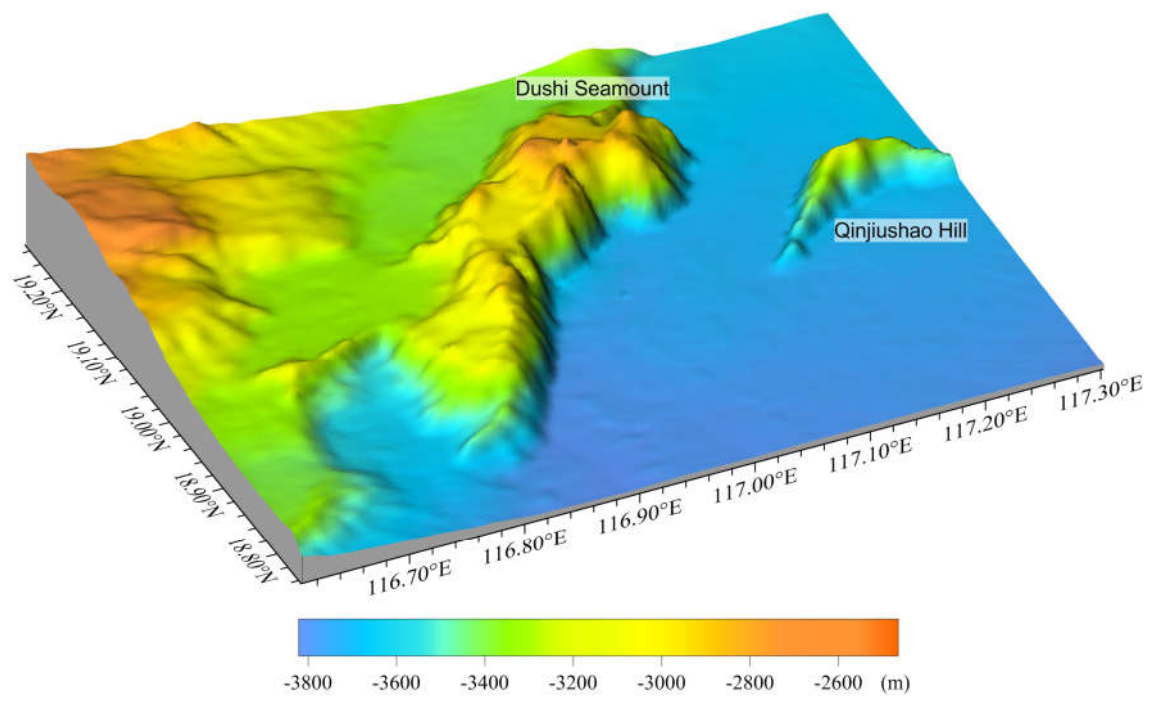


Fig.4 3-D bathymetric map of Dushi Seamount

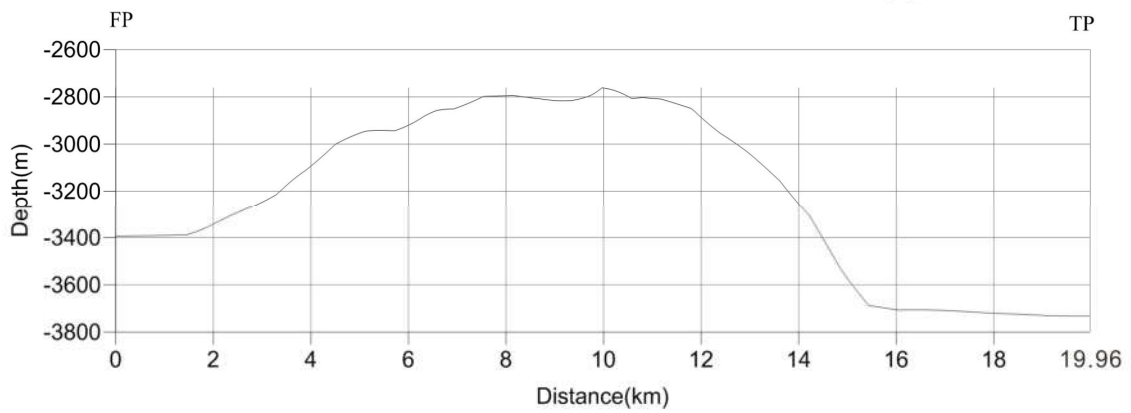
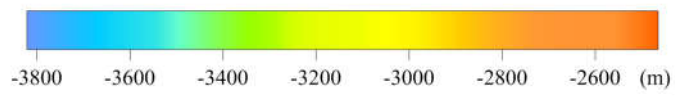
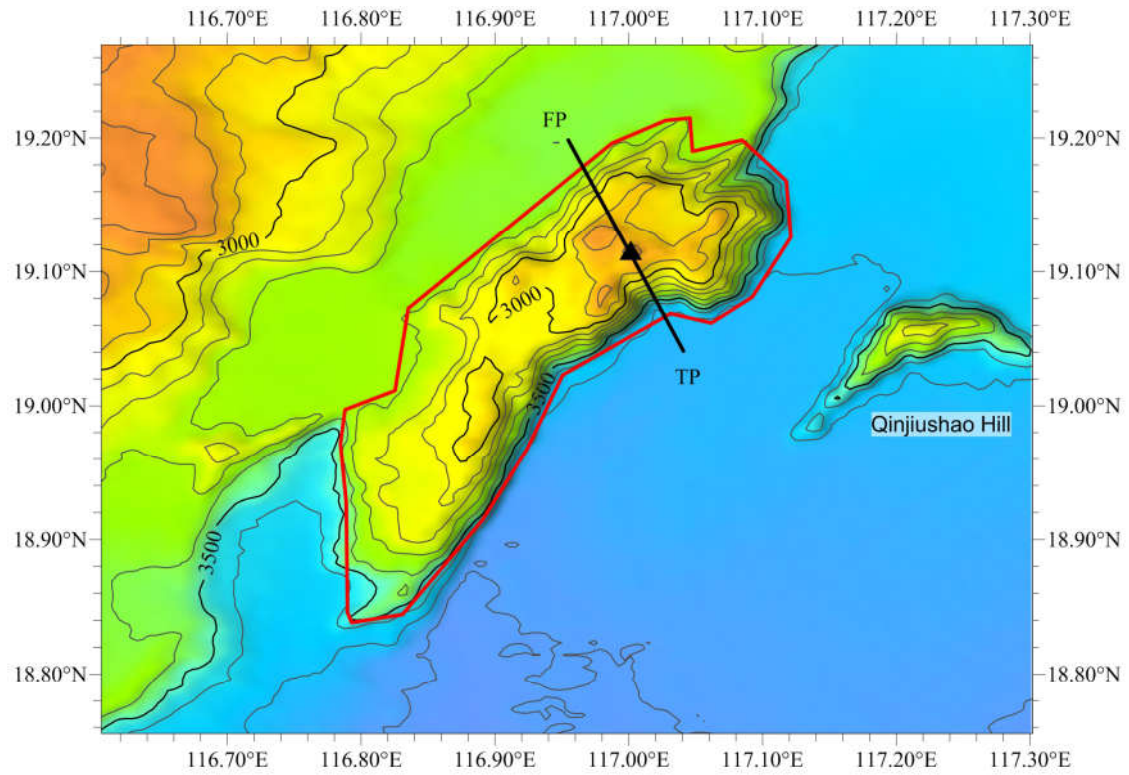


Fig.5 Profile map of Dushi Seamount