

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:	Shixing 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:	16°24.8'N (summit)	116°15.6'E (summit)
	16°18.0'N (bottom)	116°19.7'E (bottom)
	16°19.7'N	116°16.3'E
	16°17.9'N	116°12.6'E
	16°16.8'N	116°05.1'E
	16°11.1'N	116°02.3'E
	16°11.1'N	115°59.2'E
	16°12.6'N	115°56.1'E
	16°18.7'N	115°55.4'E
	16°23.8'N	115°56.3'E
	16°27.3'N	116°01.6'E
	16°26.9'N	116°05.3'E
	16°28.2'N	116°06.9'E
	16°27.6'N	116°09.8'E
	16°29.9'N	116°16.1'E
	16°29.3'N	116°20.4'E
	16°24.7'N	116°24.8'E
16°18.5'N	116°22.1'E	
16°18.0'N	116°19.7'E	

Feature Description:	Maximum Depth:	4195m	Steepness :	15 °-20 °
	Minimum Depth :	1371m	Shape :	
	Total Relief :	2824m	Dimension/Size :	52km × 20km

Associated Features:	Shixing Seamount lies in the middle of the SCS Basin. This seamount is elongated, extending from west to east. There are three peaks on the seamount.
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Chart/Map References:	Shown Named on Map/Chart:	Atlas of Geology and Geophysics of South China Sea (1 : 2 000 000) ,published in 1987 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):	Shixing Seamount was named in 1986 by Chinese Government. Zhongsha Qundao was marked as Shixing on the nautical chart of Zhenghe, who was a famous navigator of Ming Dynasty in China. This seamount is near Zhongsha Qundao, thus named as Shixing Seamount. In 2005, China conducted multi-beam measurement for this seamount again.
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Discovery Facts:	Discovery Date:	1980-1982
	Discoverer (Individual, Ship):	R/V Haiyang Erhao

Supporting Survey Data, including Track Controls:	Date of Survey:	Mar.-Sep., 2005
	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:	5.5nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Huang Wenxing, Zhu Benduo
	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):	

Remarks:	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 <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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Attachment

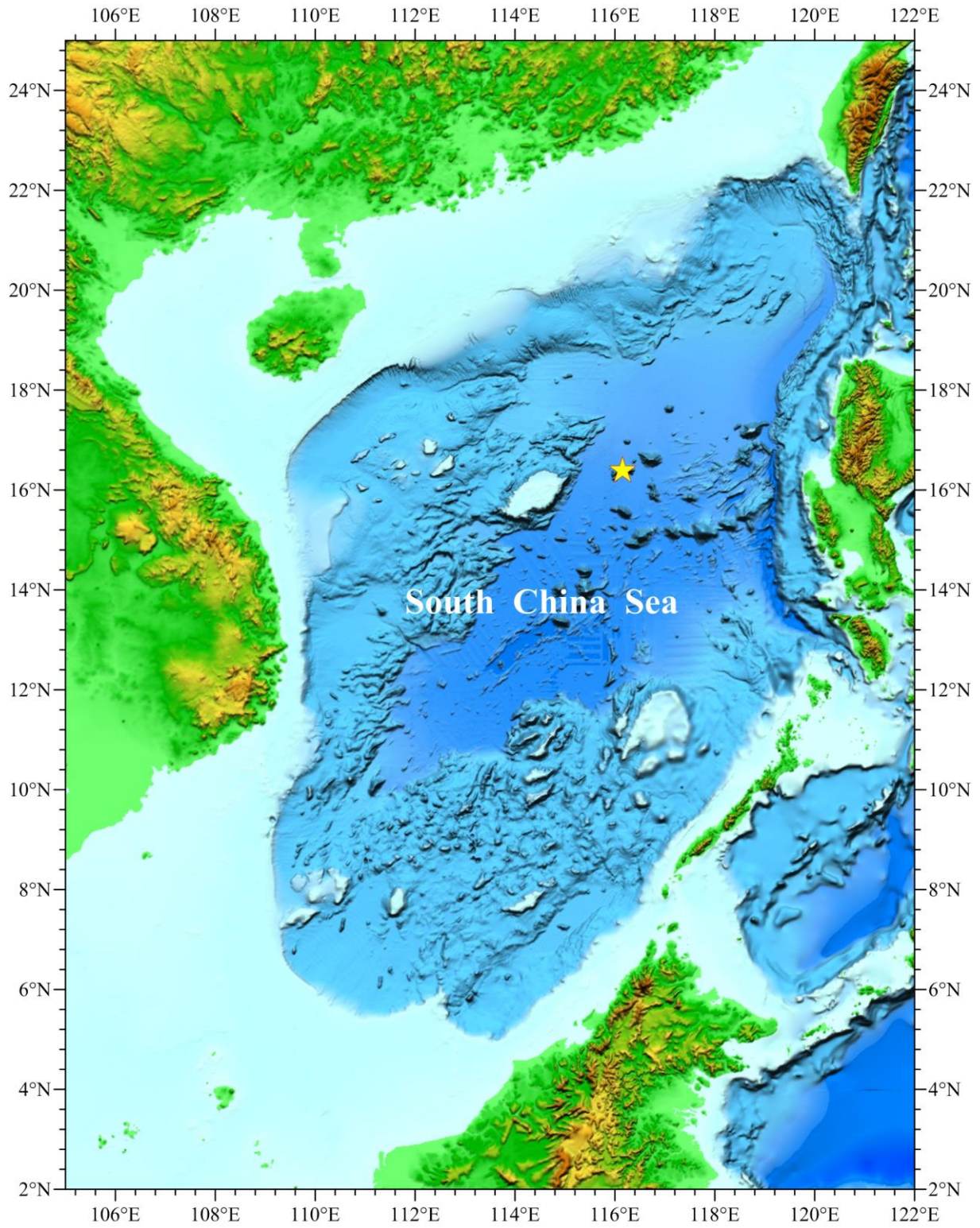


Fig.1 Index map showing the location of Shixing Seamount

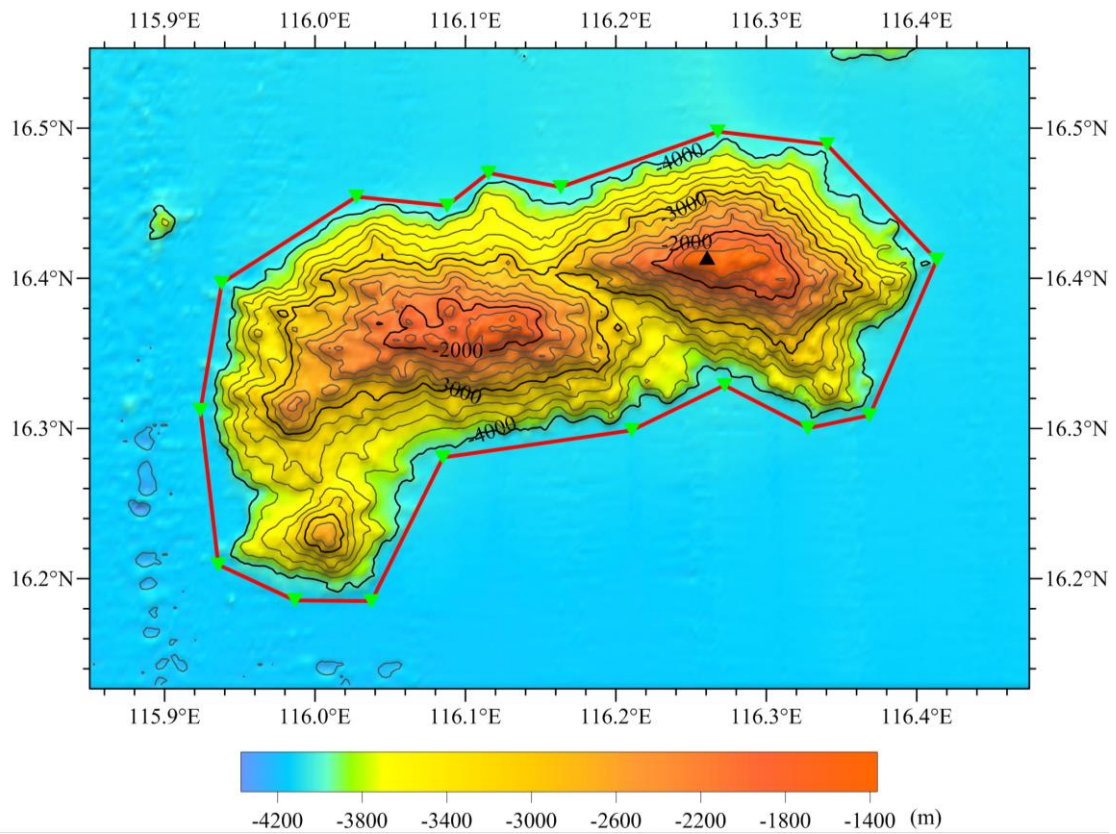


Fig.2 Bathymetric map of Shixing Seamount (Contours are in 200m)

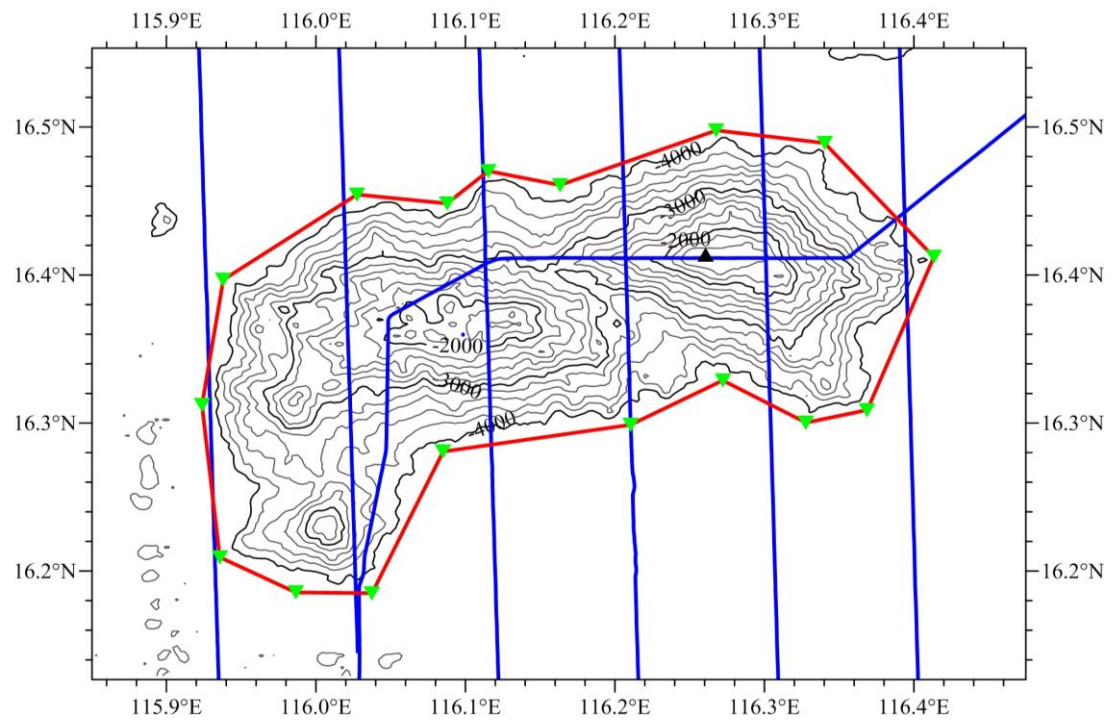


Fig.3 Bathymetric map of Shixing Seamount overlain with track lines (Contours are in 200m, blue lines for the track lines)

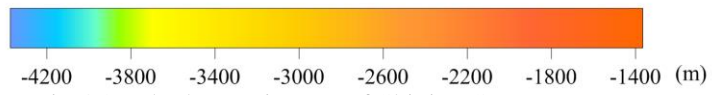
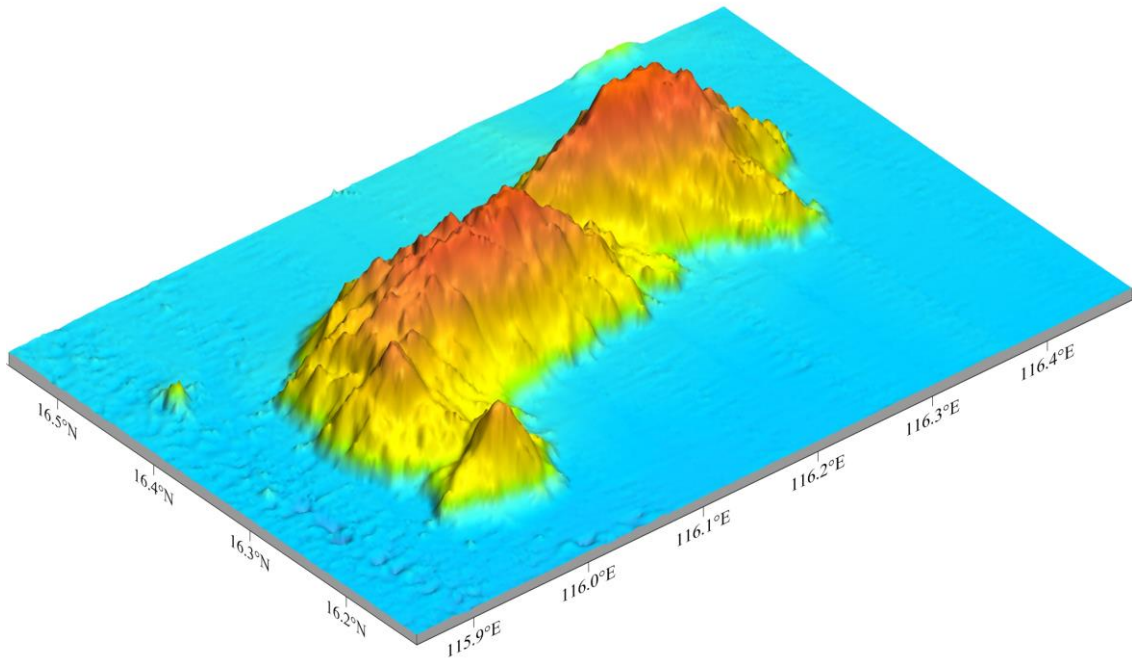


Fig.4 3-D bathymetric map of Shixing Seamount

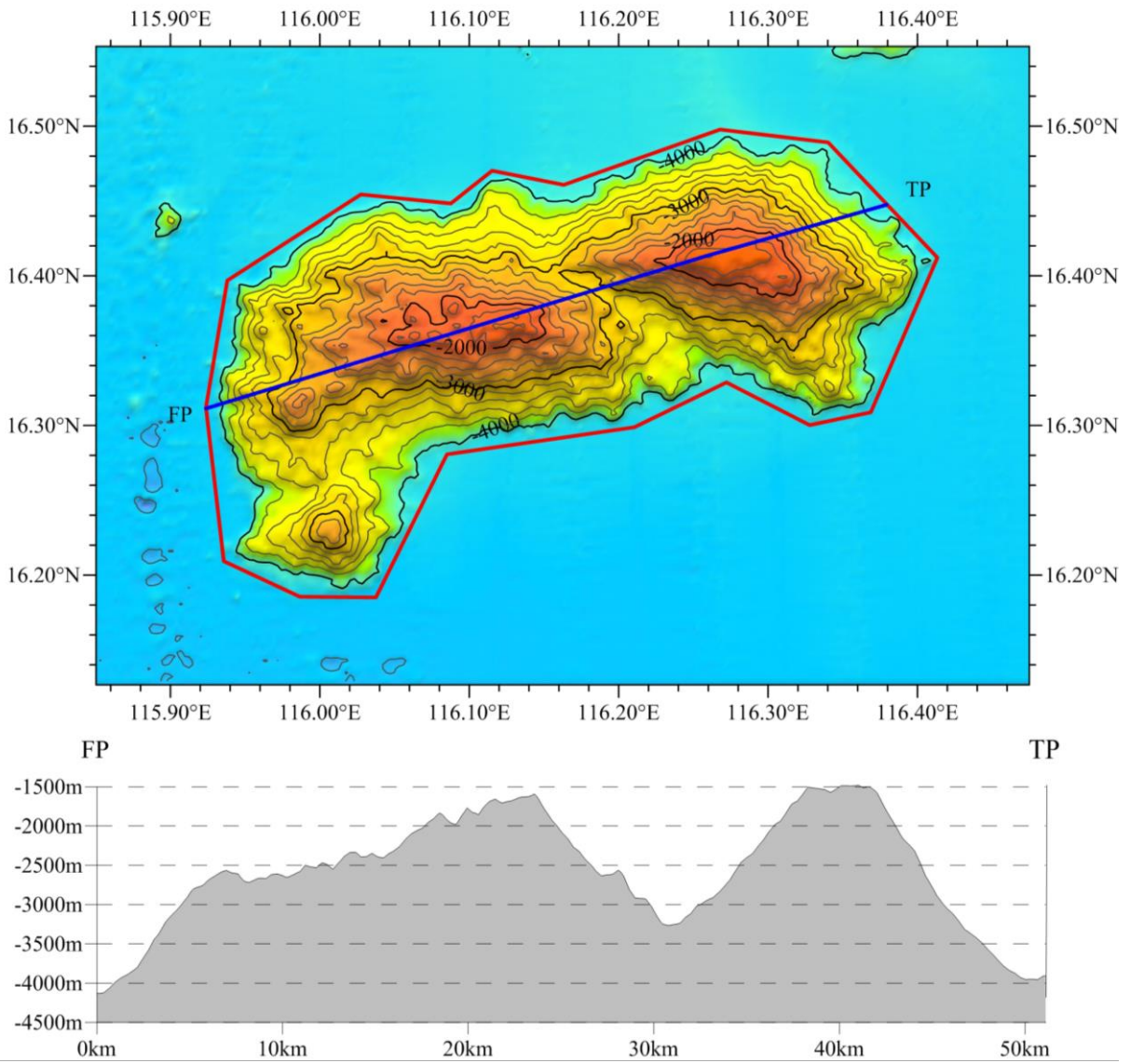


Fig.5 Profile map of Shixing Seamount