

UNDERSEA FEATURE NAME PROPOSAL

(See **NOTE** overleaf)

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

Name Proposed:	Xiaoman Seamounts	Ocean or Sea:	West Pacific Ocean
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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.

Coordinates:	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	15 32.6'N (top)	134 32.8'E (top)
	15 31.8'N (top)	134 37.1'E (top)
	15 38.1'N (bottom)	134 37.6'E (bottom)
	15 37.3'N	134 33.7'E
	15 31.4'N	134 29.6'E
	15 28.5'N	134 30.9'E
	15 27.7'N	134 33.5'E
	15 30.6'N	134 33.9'E
	15 30.5'N	134 35.4'E
	15 29.8'N	134 36.2'E
	15 27.0'N	134 37.5'E
	15 26.3'N	134 38.8'E
	15 32.7'N	134 39.3'E
	15 35.8'N	134 41.7'E
	15 36.6'N	134 41.5'E
	15 39.9'N	134 40.1'E
	15 39.4'N	134 40.5'E
	15 38.0'N	134 41.1'E
	15 38.1'N	134 37.6'E

Feature description:	Maximum Depth:	4200m	Steepness:	
	Minimum Depth:	2600 m	Shape:	polygon
	Total Relief:	1600m	Dimension/Size:	18km × 25km

Associated Features:	These seamounts are located on the Kyushu-Palau ridge, with “Lixia” Seamount in northern direction. The base size is about 25km. There are two main peaks of 8km distance in between. The water depth is about 2600 m to the top and about 4200m to foothills. And the northwestern slope is slow yet
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	southeastern slope is steep.
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Chart/Map References:	Shown Named on Chart/Map	
	Shown Unnamed on Chart/Map	GEBCO 5.07
	Within Area of Chart/Map	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The UN Educational, Scientific, and Cultural Organization (UNESCO) adopted a decision that China's "the 24 Solar Terms" be inscribed on the Representative List of the Intangible Cultural Heritage of Humanity on 30 November in Ethiopia's capital Addis Ababa. "The 24 Solar Terms" is the Chinese heritage and knowledge in China of time and practices developed through observation of the sun's annual motion. The ancient Chinese divided the sun's annual circular motion into 24 segments. Each segment was called a specific Solar Term. "Xiaoman", the eighth term of the 24 Solar Terms, means the summer ripe grain begins to fill full, but not mature yet.
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Discovery Facts:	Discovery Date:	September 2014
	Discoverer(individual, ship):	R/V Xiang Yang Hong 10

Supporting Survey data, including Track Controls:	Date of survey:	September 2014
	Survey ship:	R/V Xiang Yang Hong 10
	Sounding Equipment:	SeaBeam3012
	Type of navigation:	StarFire3050M
	Estimated Horizontal Accuracy:	0.0005nm (1m)
	Distance between survey lines:	10 km
	Supporting material can be submitted as annex in analog or digital form.	

Proposer(s):	Name(s):	The Second Institute of Oceanography, SOA, China
	Date :	28 May 2017
	E-mail:	0911guang@163.com
	Organization and address:	The Second Institute of Oceanography, No.36 Baochubei Road, Hangzhou China 310012
	Concurrer (name, organization, address):	Lishoujun, Zhaodineng, Wuziyin, Wuzhaocai, Luoxiaowen, Shangjihong, The Second Institute of Oceanography

Remark :	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names
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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 page 2-9) or, if this does exist or is not known, either to the IHB or to the IOC (see address below):
- b) **If at least 50% of the undersea feature is located outside the external limits of the territorial sea:** to the IHB or to the IOC, at the following address:

International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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Figures

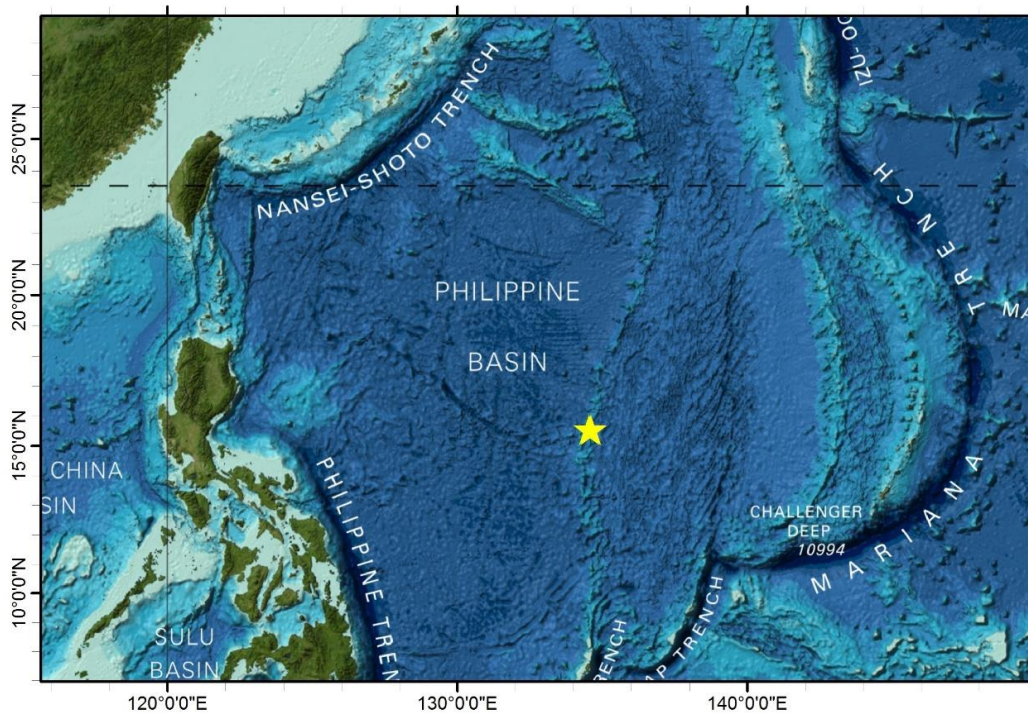


Fig.1 Index map showing the location of Xiaoman Seamounts

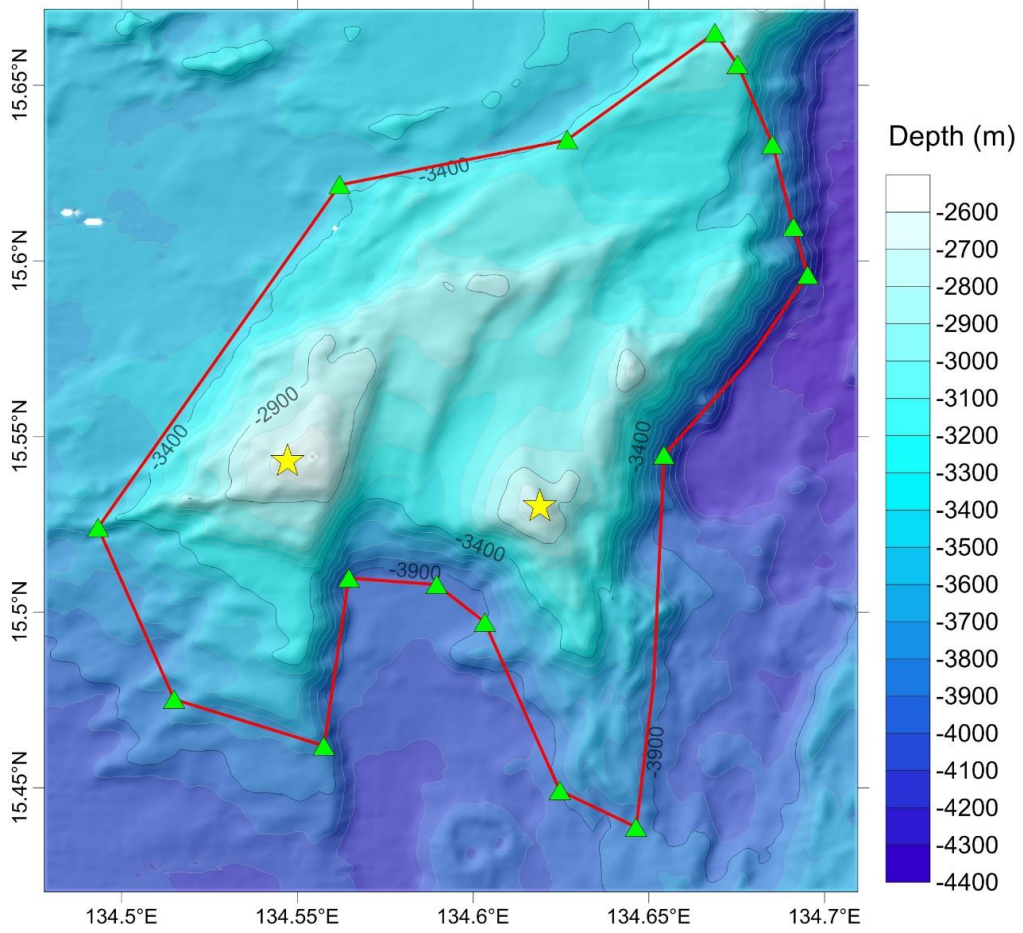


Fig.2 Bathymetric map of Xiaoman Seamounts
(Contours are in 100 m)

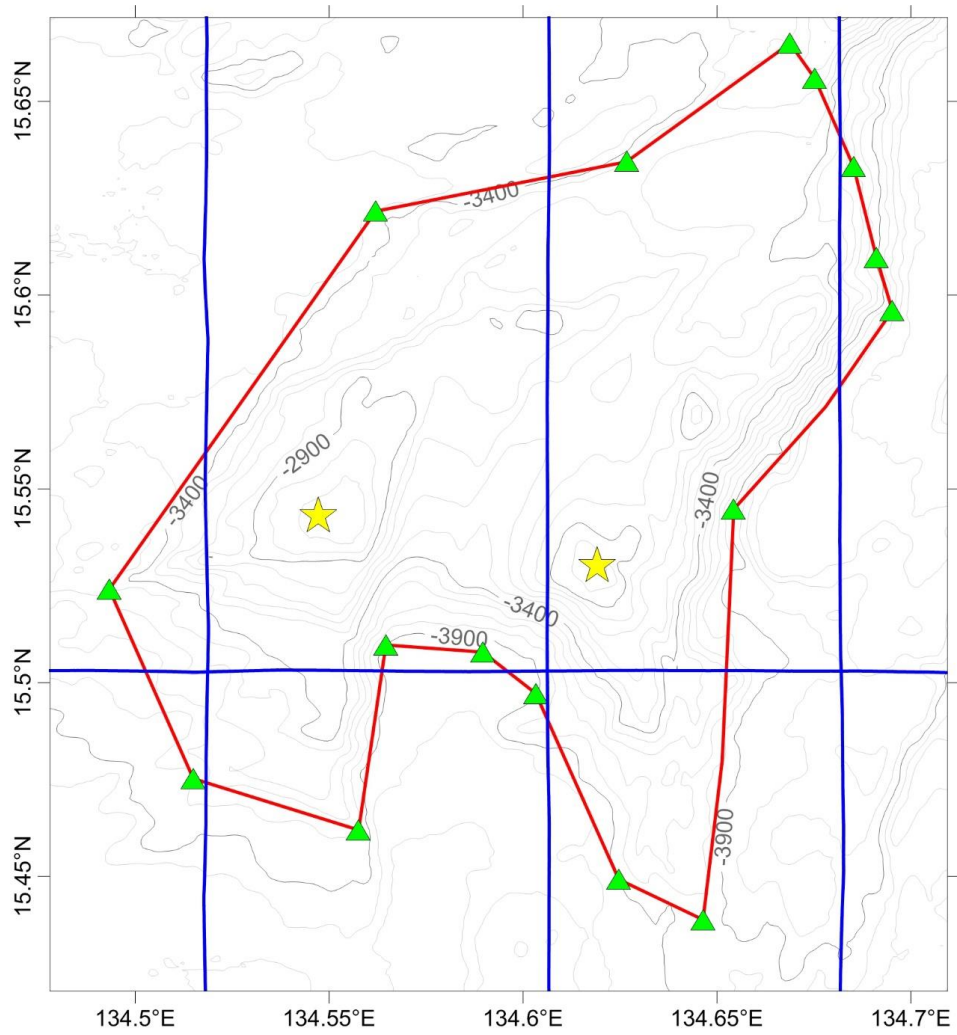


Fig.3 Bathymetric map of Xiaoman Seamounts, showing track lines
(Contours are in 100 m, blue lines are survey lines)

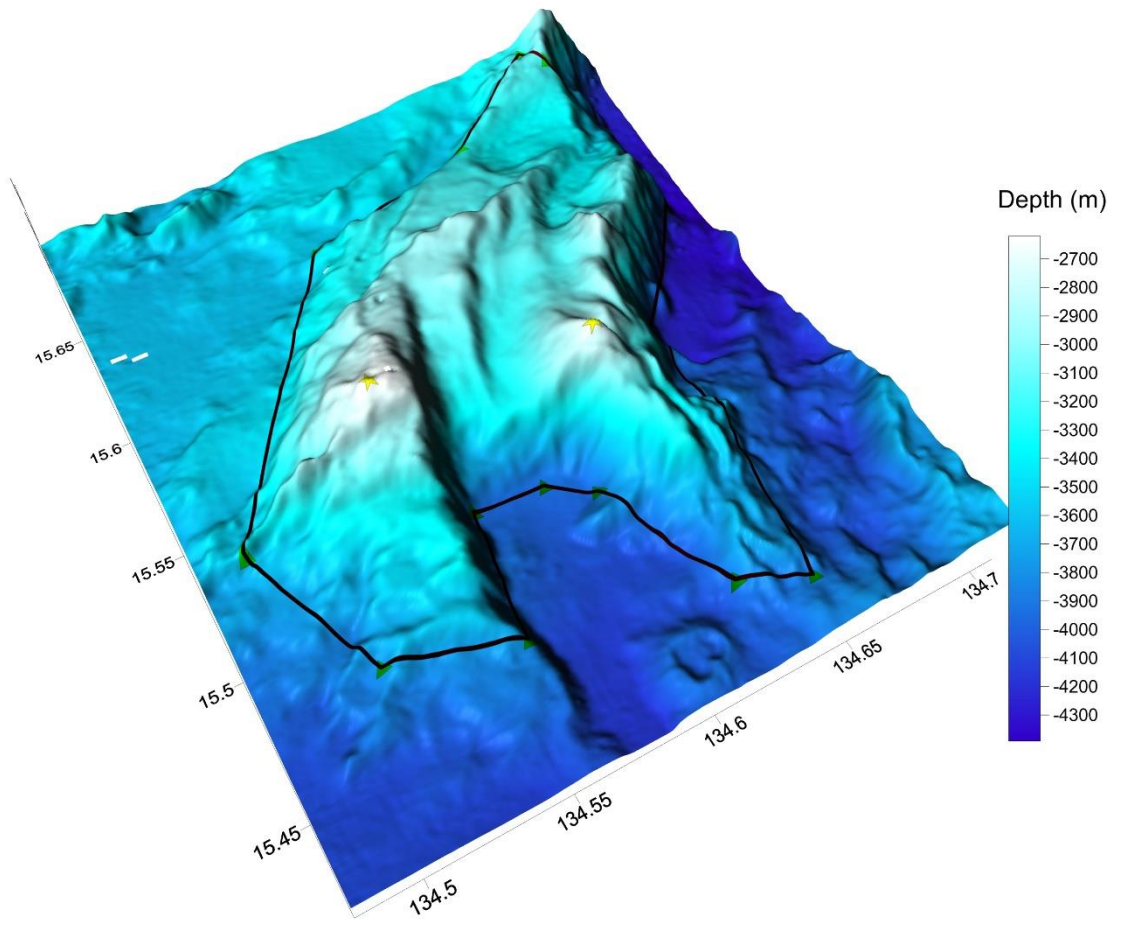


Fig.4 3-D topography map of Xiaoman Seamounts

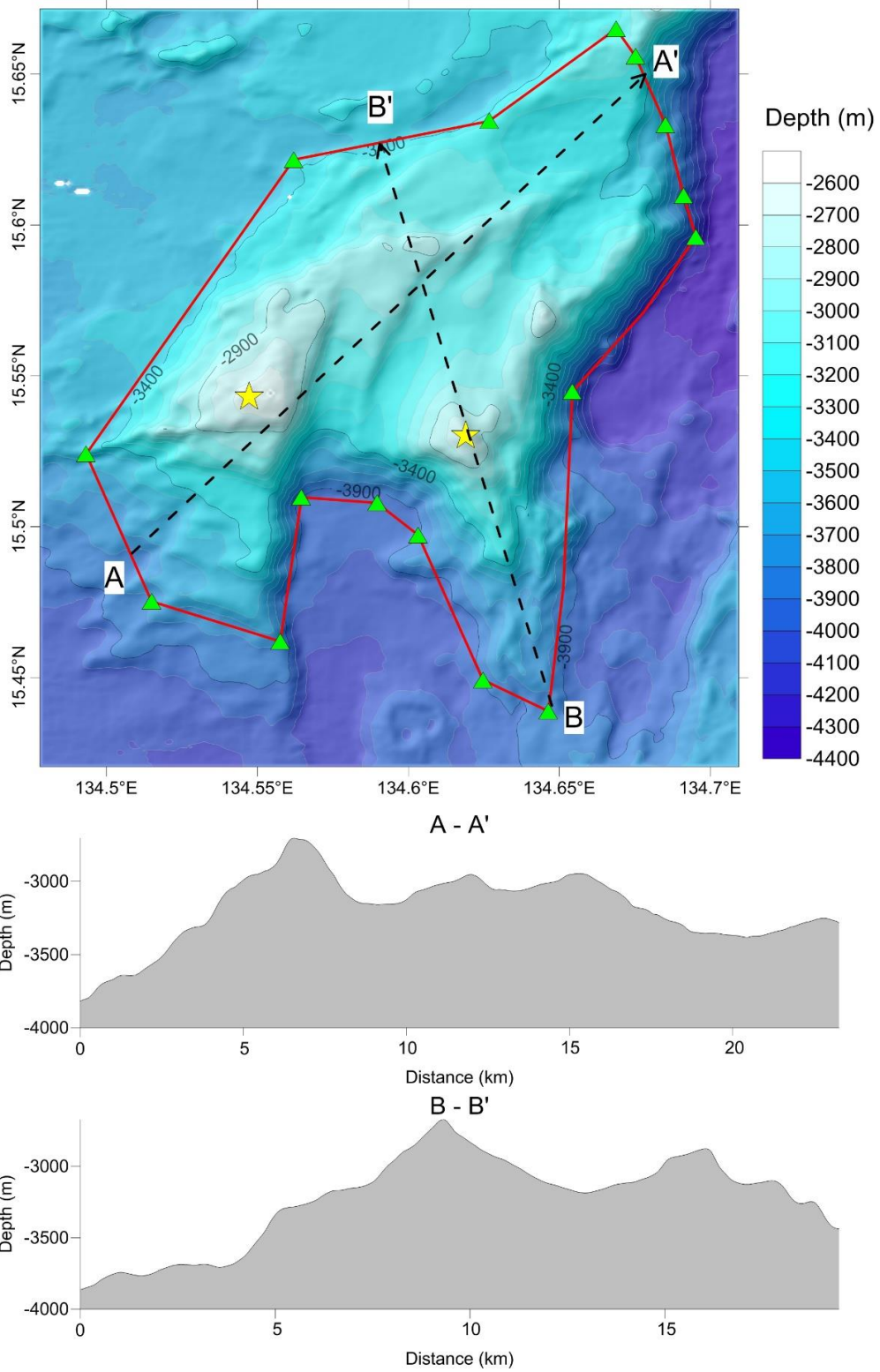


Fig.5 Bathymetric map and profiles of Xiaoman Seamounts