

**UNDERSEA FEATURE NAME PROPOSAL**

(See **NOTE** overleaf)

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

<b>Name Proposed:</b>	Guyu Seamount	<b>Ocean or Sea:</b>	West Pacific Ocean
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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.

<b>Coordinates:</b>	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	15 43.6'N (top)	131 40.8'E (top)
	15 48.6'N (bottom)	131 39.5'E (bottom)
	15 47.5'N	131 37.3'E
	15 44.1'N	131 34.8'E
	15 41.7'N	131 34.7'E
	15 39.9'N	131 35.3'E
	15 38.1'N	131 38.8'E
	15 37.6'N	131 42.0'E
	15 37.7'N	131 44.8'E
	15 40.8'N	131 47.2'E
	15 44.7'N	131 47.0'E
	15 47.0'N	131 44.0'E
	15 48.0'N	131 41.7'E
15 48.6'N	131 39.5'E	

<b>Feature description:</b>	Maximum Depth:	5900m	Steepness:	
	Minimum Depth:	4180 m	Shape:	circle
	Total Relief:	1720m	Dimension/Size:	18km × 22km

<b>Associated Features:</b>	This seamount is located in Philippine Sea, with “Qing Ming” Seamount in its west direction about 250km. It has a nearly circle overlook plane shape with a base size of 22km. The water depth is about 4180 m to the top and about 5900m to foothills.
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<b>Chart/Map References:</b>	Shown Named on Chart/Map	
	Shown Unnamed on Chart/Map	GEBCO 5.07
	Within Area of Chart/Map	

<b>Reason for Choice of Name</b> (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. "Guyu", the sixth term of the 24 Solar Terms, means grain rain. During the time, the cold weather is basically over and the temperature will speedily picked up. It is conducive to the growth of cereal crops.
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<b>Discovery Facts:</b>	Discovery Date:	September 2014
	Discoverer(individual, ship):	R/V Xiang Yang Hong 10

<b>Supporting Survey data, including Track Controls:</b>	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.	

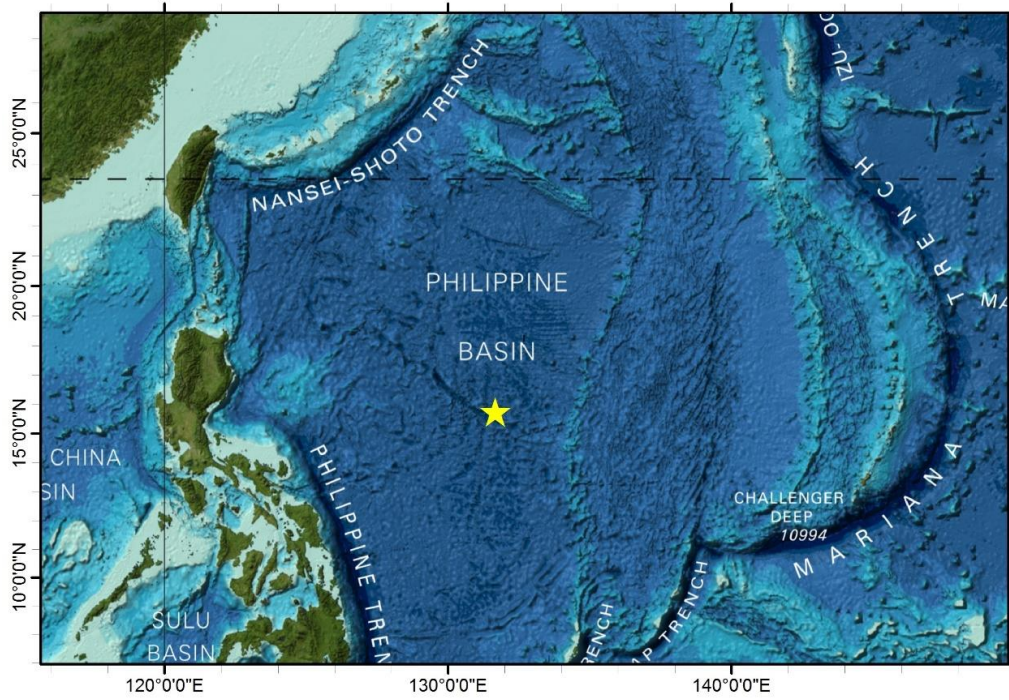
<b>Proposer(s):</b>	Name(s):	The Second Institute of Oceanography, SOA, China
	Date :	28 May 2017
	E-mail:	0911guang@163.com
	Organization and address:	The Second Institute of Oceanography, No.36 Baochubei Road, Hangzhou China 310012
	Concurrer (name, organization, address):	Lishoujun, Zhaodineng, Wuziyin,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

**Note:** this form should be forwarded, when completed:

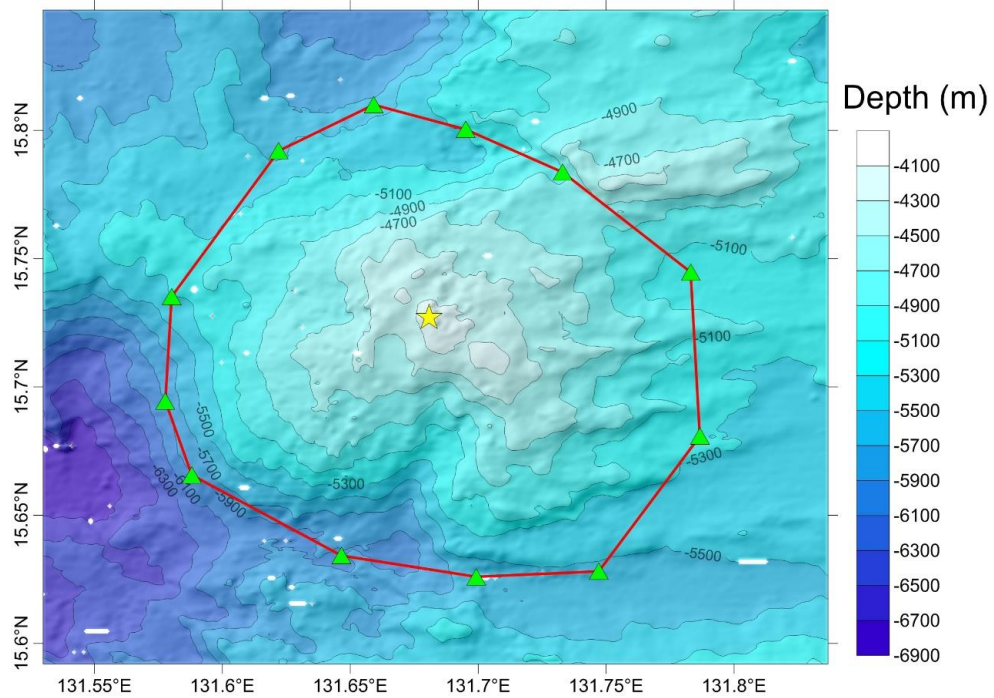
- a) **If the undersea feature is located inside the external limit of the territorial sea**: to your “National Authority for Approval of Undersea Feature Names”(see page 2-9) or, if this does exist or is not known, either to the IHB or to the IOC (see address below):
- b) **If at least 50% of the undersea feature is located outside the external limits of the territorial sea**: to the IHB or to the IOC, at the following address:

<p>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: <a href="mailto:info@ihb.mc">info@ihb.mc</a></p>	<p>Intergovernmental Oceanographic Commission (IOC)  UNESCO  Place de Fontenoy  75700 PARIS  <u>France</u>  Fax: +33 1 45 68 58 12  E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a></p>
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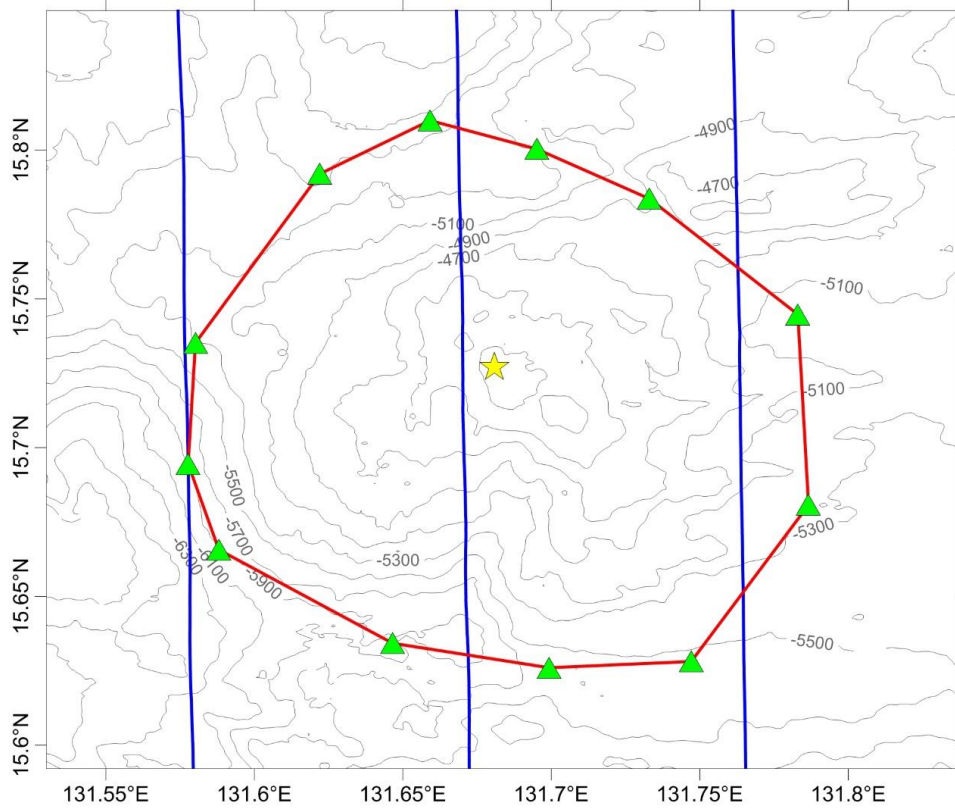
## Figures



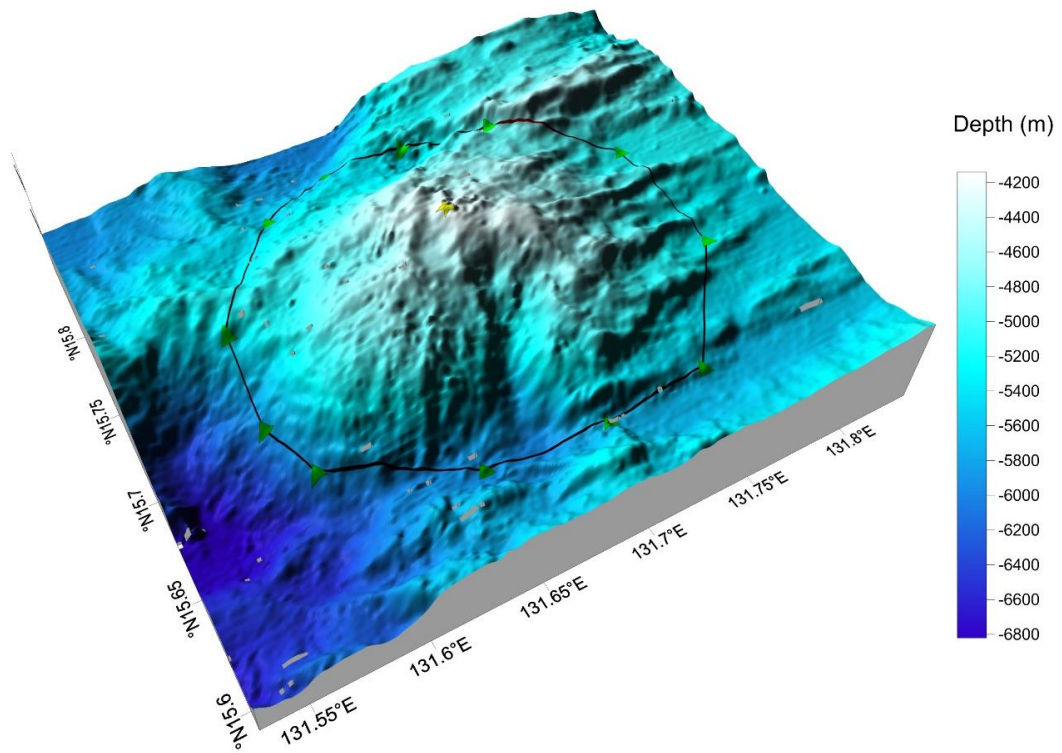
**Fig.1** Index map showing the location of Guyu Seamount



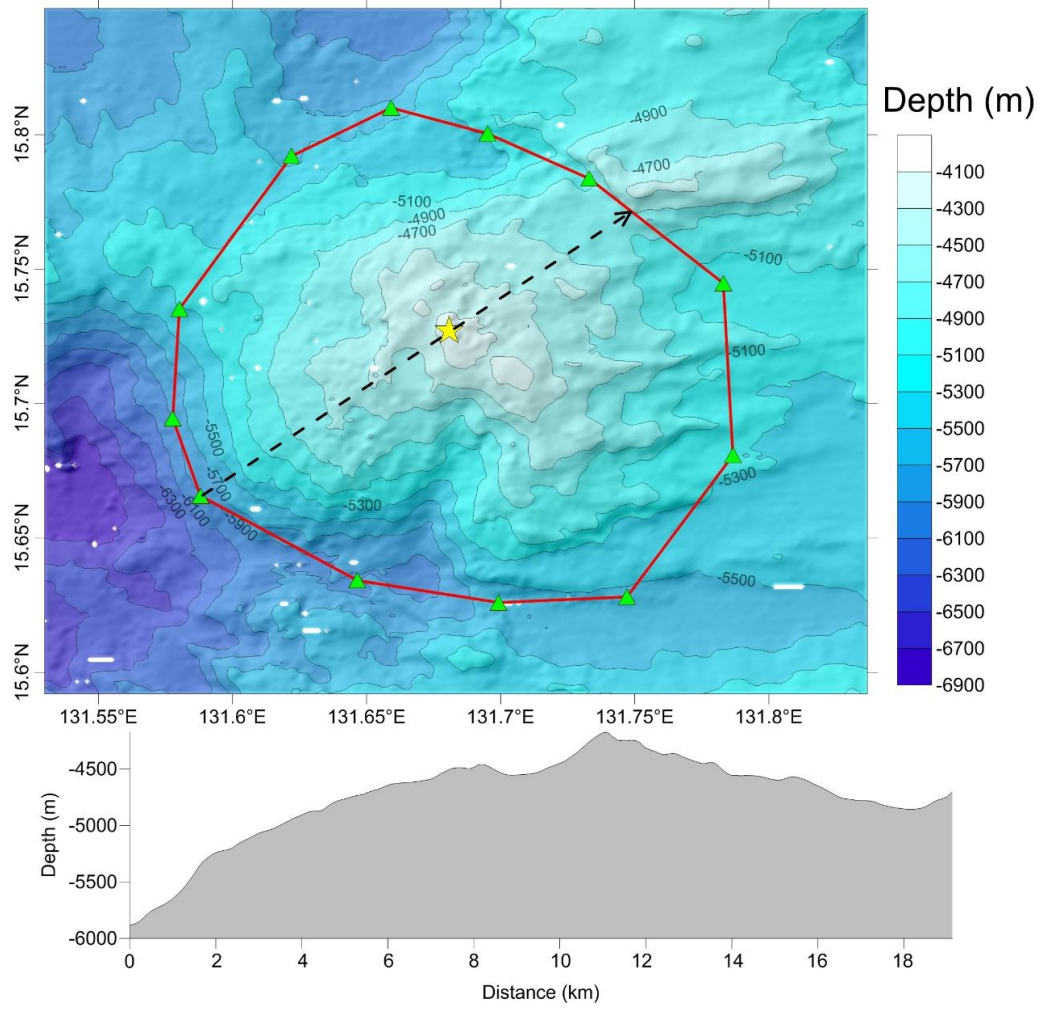
**Fig.2** Bathymetric map of Guyu Seamount  
(Contours are in 200 m)



**Fig.3** Bathymetric map of Guyu Seamount, showing track lines  
(Contours are in 200 m, blue lines are survey lines)



**Fig.4** 3-D topography map of Guyu Seamount



**Fig.5** Bathymetric map and profile of Guyu Seamount