

UNDERSEA FEATURE NAME PROPOSAL

(See **NOTE** overleaf)

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

Name Proposed:	Xiangyang Seamount	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)
	11 °15.7 N (top)	134 °26.1 E (top)
	11 °22.5 N (bottom)	134 °28.2 E (bottom)
	11 °21.2 N	134 °32.8 E
	11 °17.5 N	134 °34.2 E
	11 °14.0 N	134 °32.8 E
	11 °11.3 N	134 °30.2 E
	11 °10.0 N	134 °24.4 E
	11 °13.2 N	134 °20.2 E
	11 °17.7 N	134 °20.0 E
	11 °21.3 N	134 °22.5 E
	11 °22.5 N	134 °28.2 E

Feature description:	Maximum Depth:	4200 m	Steepness:	15 °
	Minimum Depth:	1800 m	Shape:	Round
	Total Relief:	2400 m	Dimension/Size:	28 km × 22 km

Associated Features:	This seamount is on Kyushu-Palau ridge in West Pacific Ocean, with “Pingfeng” ridge in its east direction.
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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):	This name comes from a mountain in Taiwan, China. Taiwan island has the world’s highest mountain density. The “Xiangyang” mountain is one of a hundred famous mounts in Taiwan. There are many seamounts in Kyushu-Palau ridge in West Pacific Ocean. We use seven mountain names e.g. “Jiali”, “Jiayang”, “Yize”, “Xiangyang”, “Qilai”, “Nanhua”, “Taguan” to name seven seamounts in this region.
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Discovery Facts:	Discovery Date:	July 2011
	Discoverer(individual, ship):	R/V Xiang Yang Hong 14

Supporting Survey data, including Track Controls:	Date of survey:	July 2011
	Survey ship:	R/V Xiang Yang Hong 14
	Sounding Equipment:	Reson SeaBat 7150
	Type of navigation:	StarFire2050M
	Estimated Horizontal Accuracy:	0.0025nm (5m)
	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, State Oceanic Administration, China
	Date :	27 July 2016
	E-mail:	0911guang@163.com
	Organization and address:	The Second Institute of Oceanography, No.36 Baochubei Road, Hangzhou China 310012
	Concurrer(name, organization, address):	Li Shoujun, Wu Ziyin, Gao Jinyao 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 (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:

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 <u>France</u> Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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Attachment

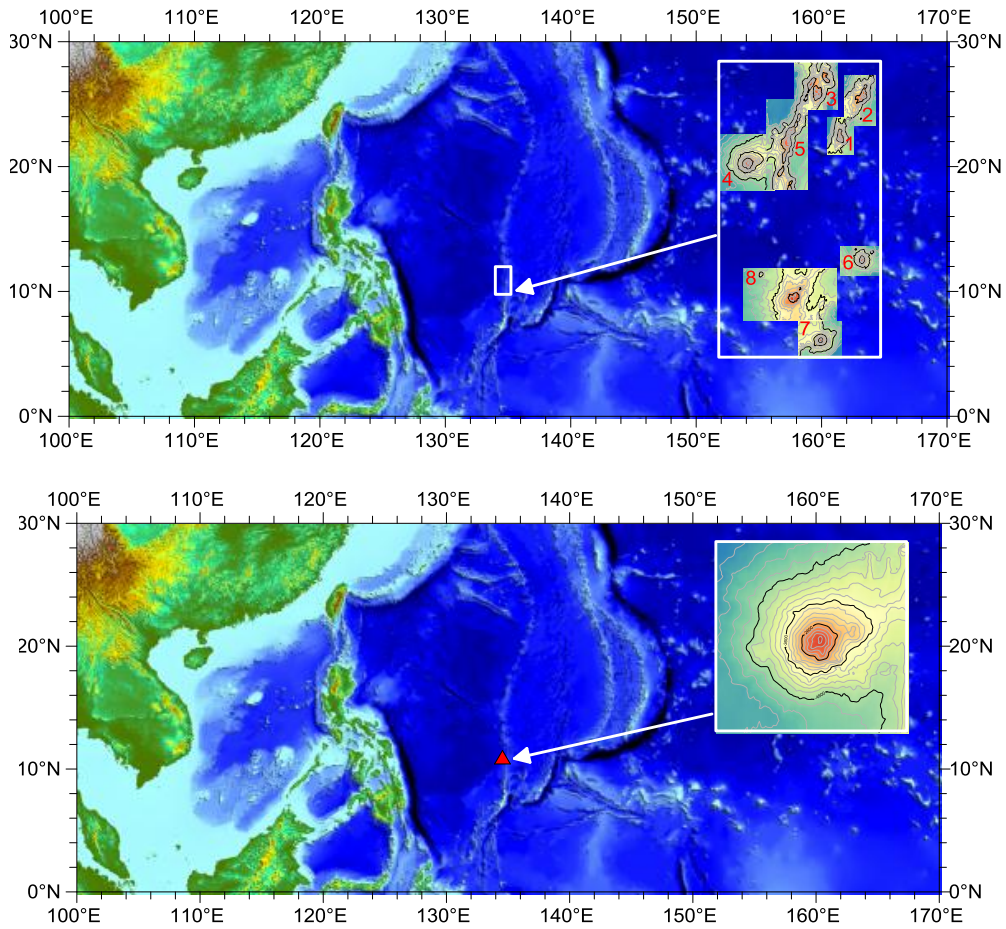


Fig.1 Index map showing the location of Xiangyang Seamount
1-Jiali Seamount, 2-Jiayang Seamount, 3-Yize Seamount, **4-Xiangyang Seamount**,
5-Pingfeng Ridge, 6-Qilai Seamount, 7-Nanhua Seamount, 8-Taguan Seamount.

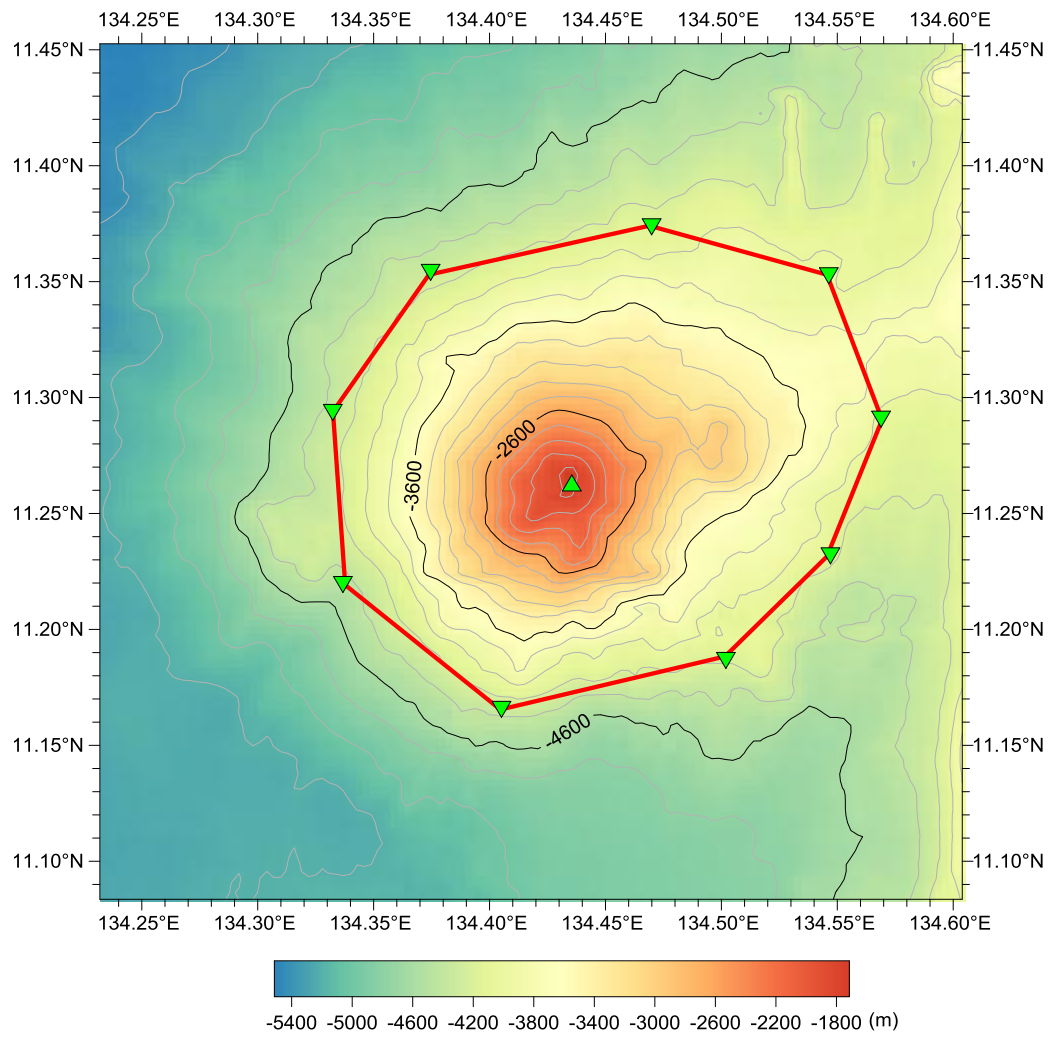


Fig.2 Bathymetric map of Xiangyang Seamount
(Contours are in 200 m Spacing)

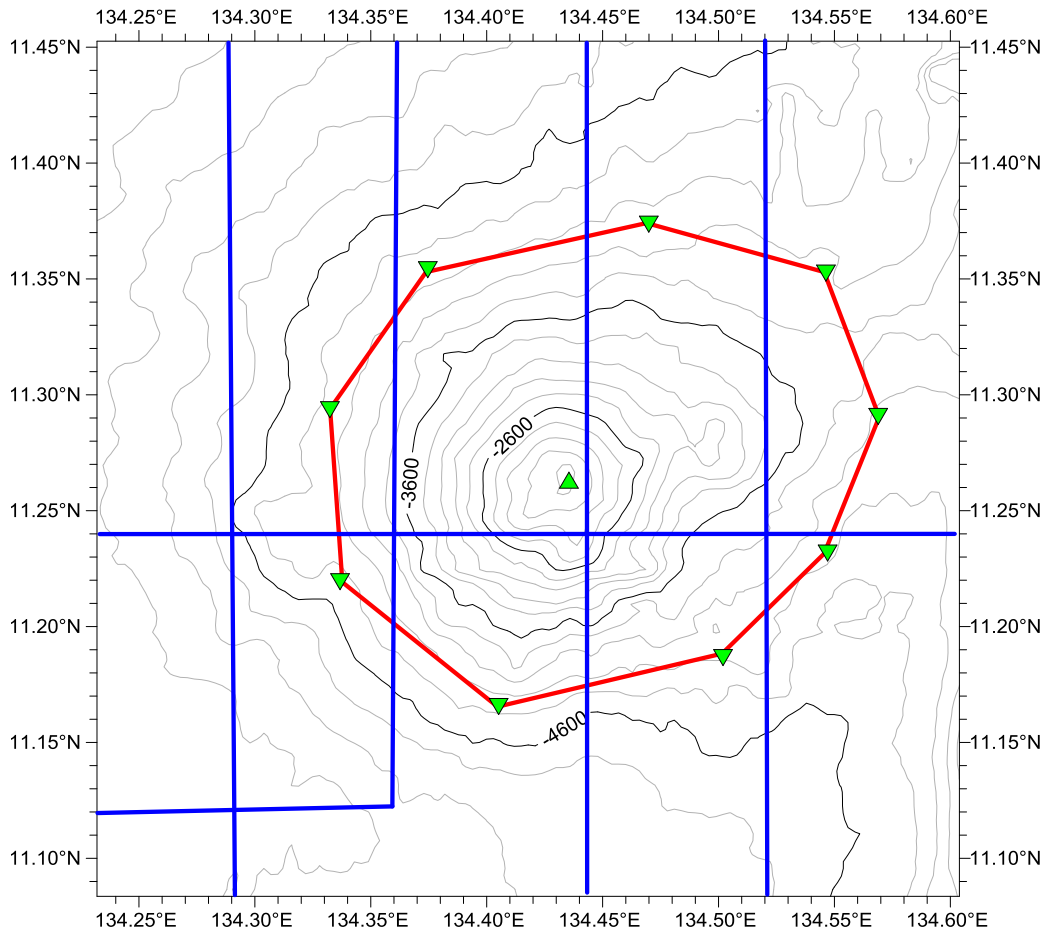


Fig.3 Bathymetric map of Xiangyang Seamount, showing track lines
(Contours are in 200 m, blue lines are survey lines)

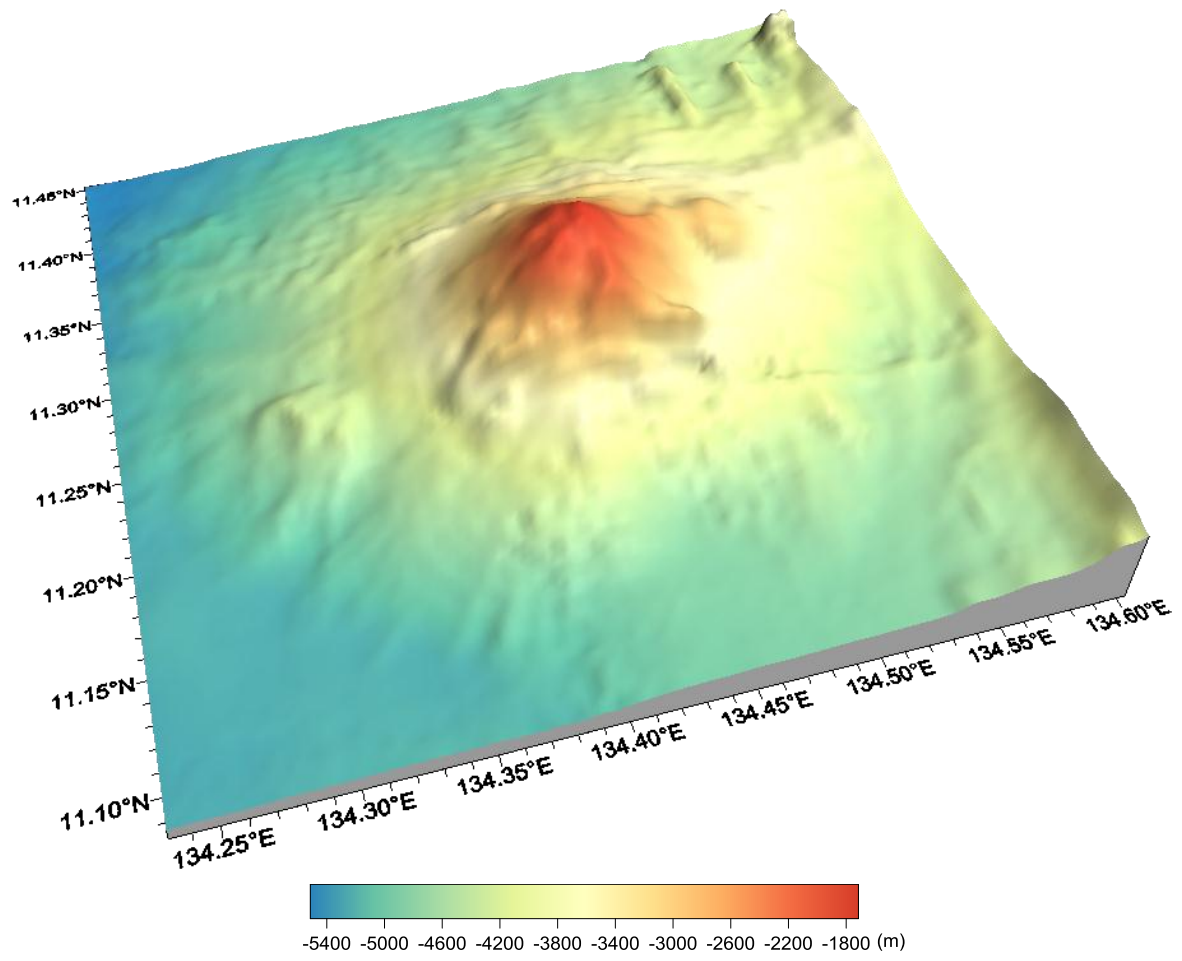


Fig.4 3-D topography map of Xiangyang Seamount

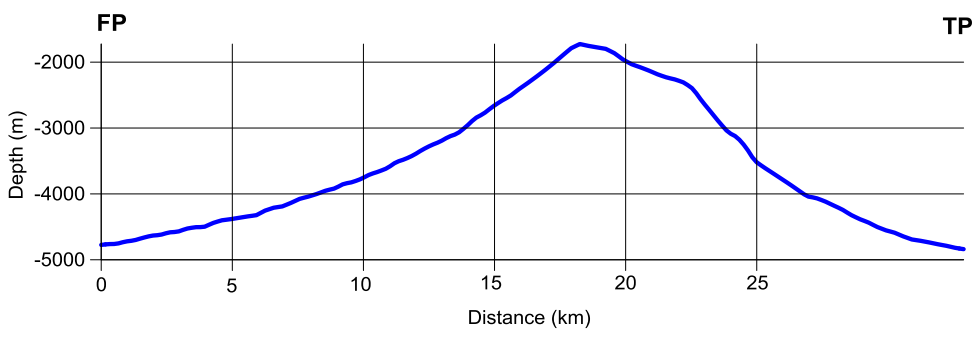
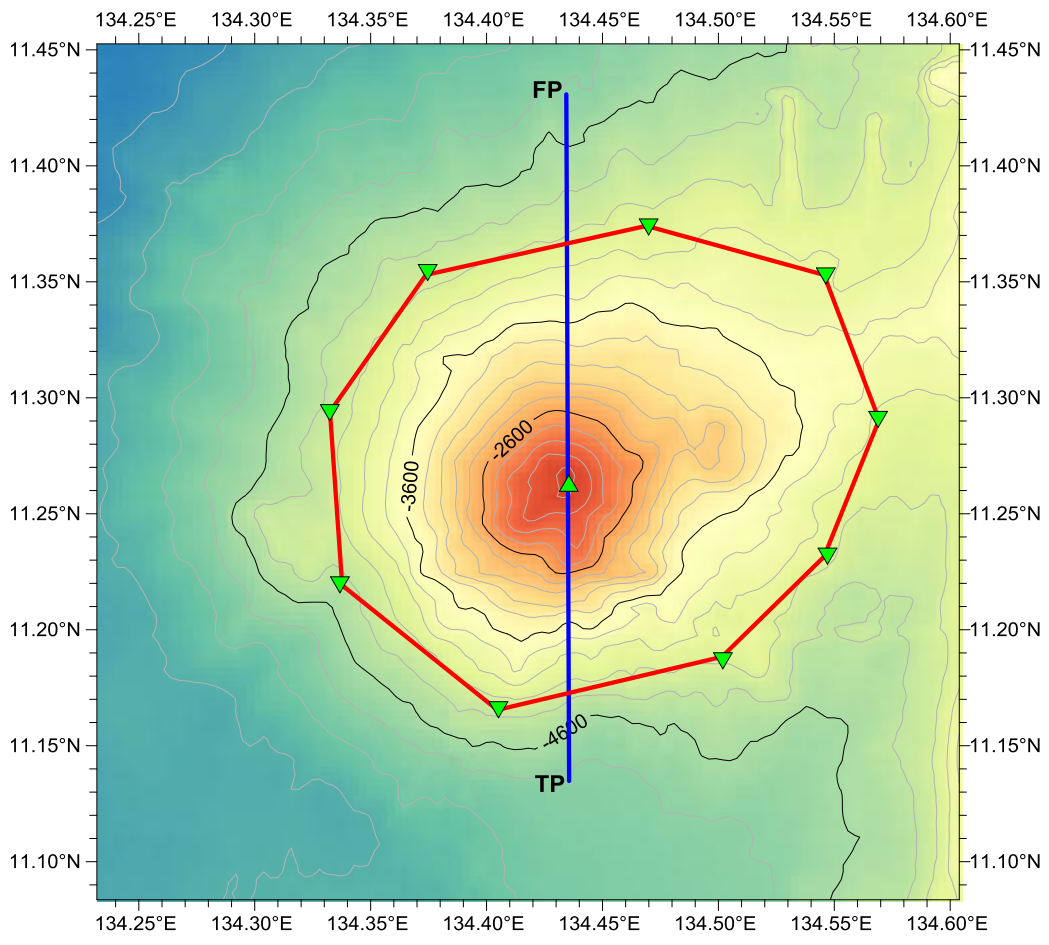


Fig.5 Bathymetric map and profile of Xiangyang Seamount