INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (OF UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

(See **NOTE** overleaf)

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

Name Proposed:	Lidong Hill	**Ocean or Sea:**	West Pacific Ocean

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:	14 °25.3'N (summit)	131 °19.1′E (summit)
	14 °26.4'N (bottom)	131 °20.1′E (bottom)
	14 °26.1'N	131°20.5′E
	14 °26.0'N	131°20.7′E
	14 °25.7'N	131°20.7′E
	14 °25.7'N	131°20.4′E
	14 °25.5'N	131°20.3′E
	14 °25.4'N	131°20.6′E
	14 °25.1'N	131°20.5′E
	14 °25.1'N	131°20.3′E
	14 °24.6'N	131°19.8′E
	14 °24.6'N	131°19.4′E
	14 °24.3'N	131°19.0′E
	14 °24.5'N	131°18.3′E
	14 °25.9'N	131°17.9′E
	14 °26.2'N	131°18.0′E
	14 °26.1'N	131°18.8′E
	14 °26.2'N	131°19.0′E
	14 °26.2'N	131°19.6′E
	14 °26.4'N (bottom)	131°20.1′E (bottom)

Feature description:	Maximum Depth:	5820 m	Steepness:	
	Minimum Depth:	4933 m	Shape:	polygon
	Total Relief:	887 m	Dimension/Size:	5 km × 4 km

Associated Features:	This hill is located about 158 km west to the Lichun Seamount. It has a nearly triangle overlook plane shape. The northern slope of the terrain is slow while the southern slope is steep.

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):	"Lidong" is the nineteen term of The 24 Solar Terms and the first winter solar terms in lunar calendar. The Chinese "24 Solar Terms" is inscribed on the Representative List of the Intangible Cultural Heritage of Humanity of UNESCO on 30 November 2016.

Discovery Facts:	Discovery Date:	September 2014
	Discoverer(individual, ship):	R/V Xiang Yang Hong No.10

Supporting Survey data, including Track Controls:	Date of survey:	September 2014
	Survey ship:	R/V Xiang Yang Hong No.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):	Wu Ziyin, Li Shoujun, Zhao Dineng, Ding Weifeng, Zhou Jieqiong
	Date :	20 April 2018
	E-mail:	zywu@vip.163.com
	Organization and address:	Second Institute of Oceanography, SOA, China No.36 Baochubei Road, Hangzhou China 310012
	Concurrer (name, organization, address):	
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 <u>inside the external limit</u> 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 <u>outside the external limits</u> 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 Principality of MONACO 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

Figures

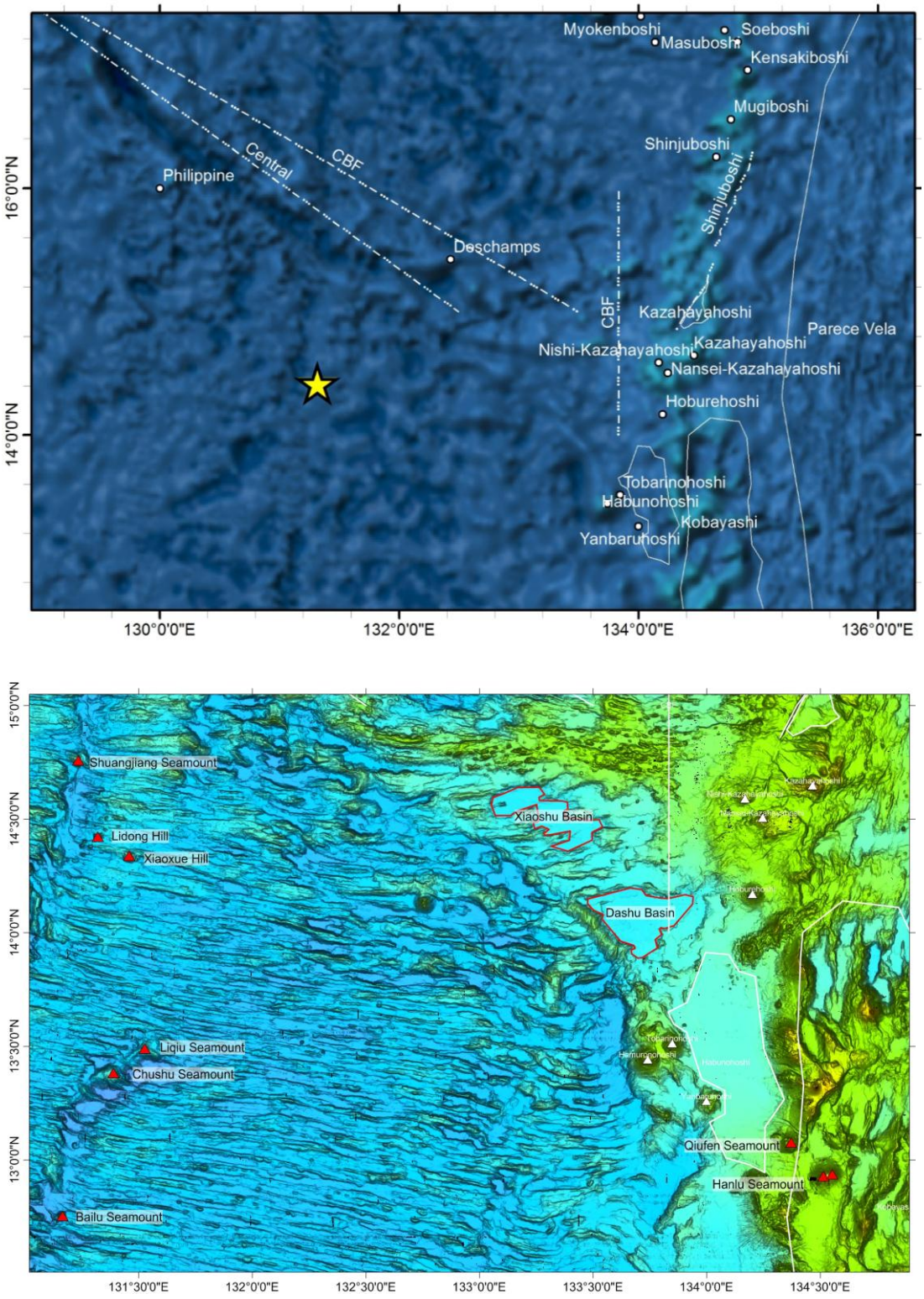

Fig.1 Index map showing the location of Lidong Hill

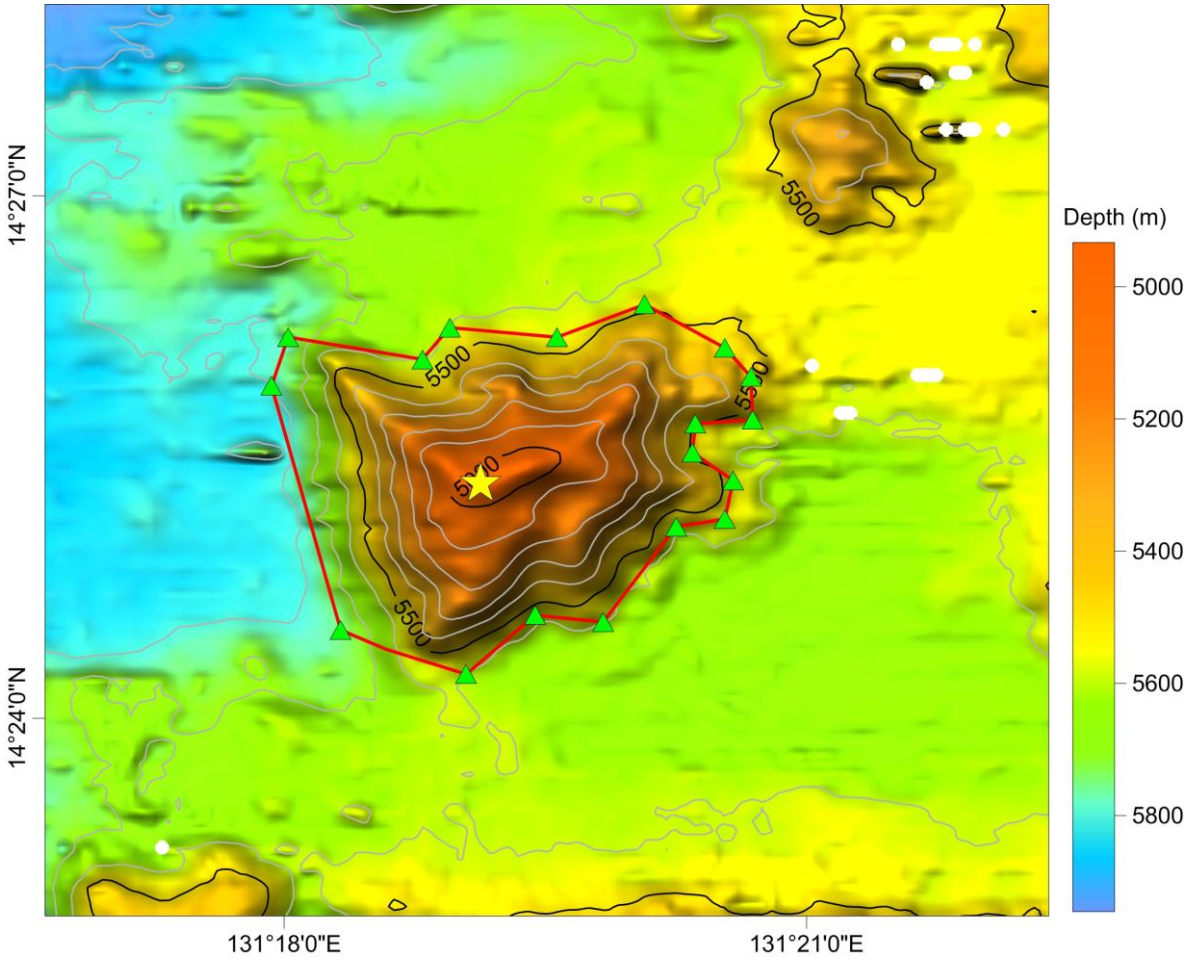

Fig.2 Bathymetric map of Lidong Hill
(Contours are in 100 m)

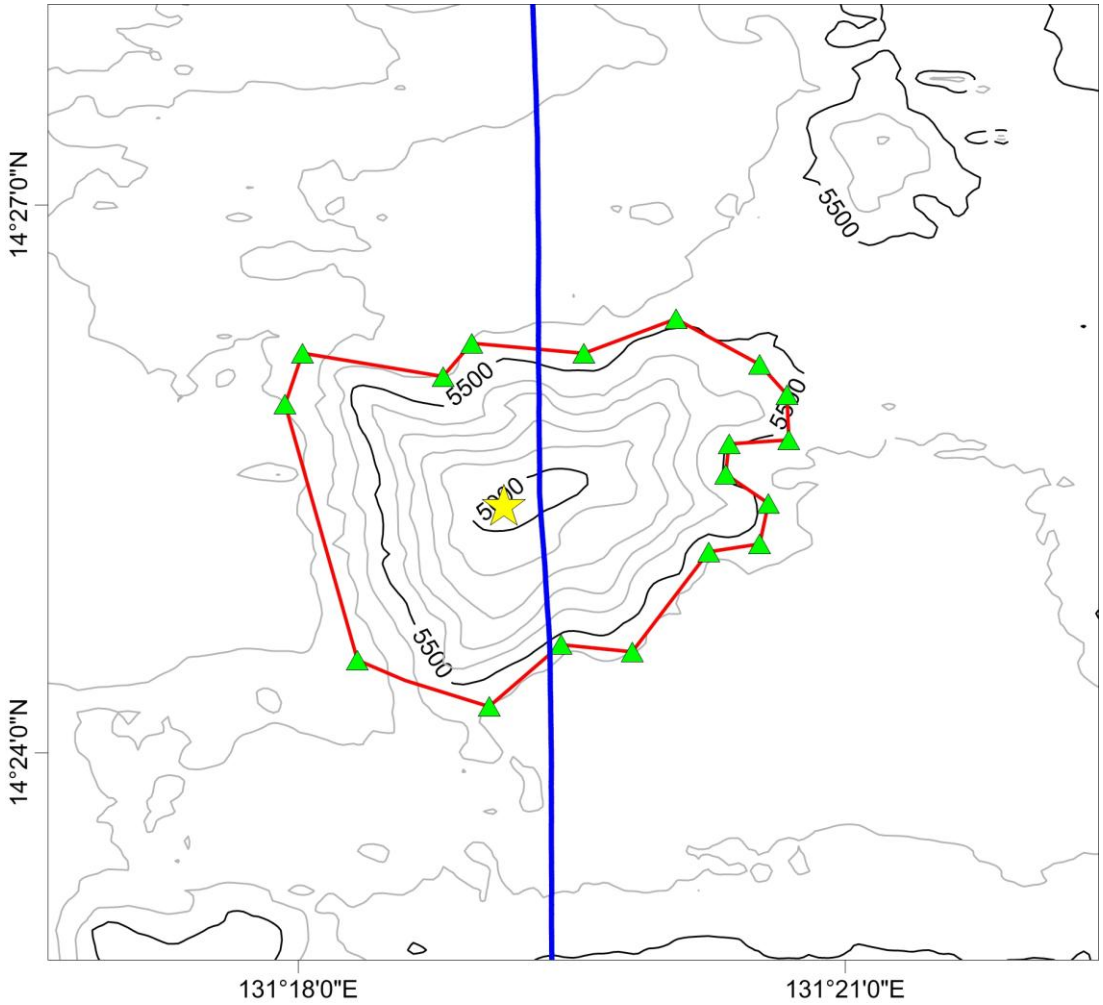

Fig.3 Bathymetric map of Lidong Hill, showing track lines
(Contours are in 100 m, blue lines are survey lines)

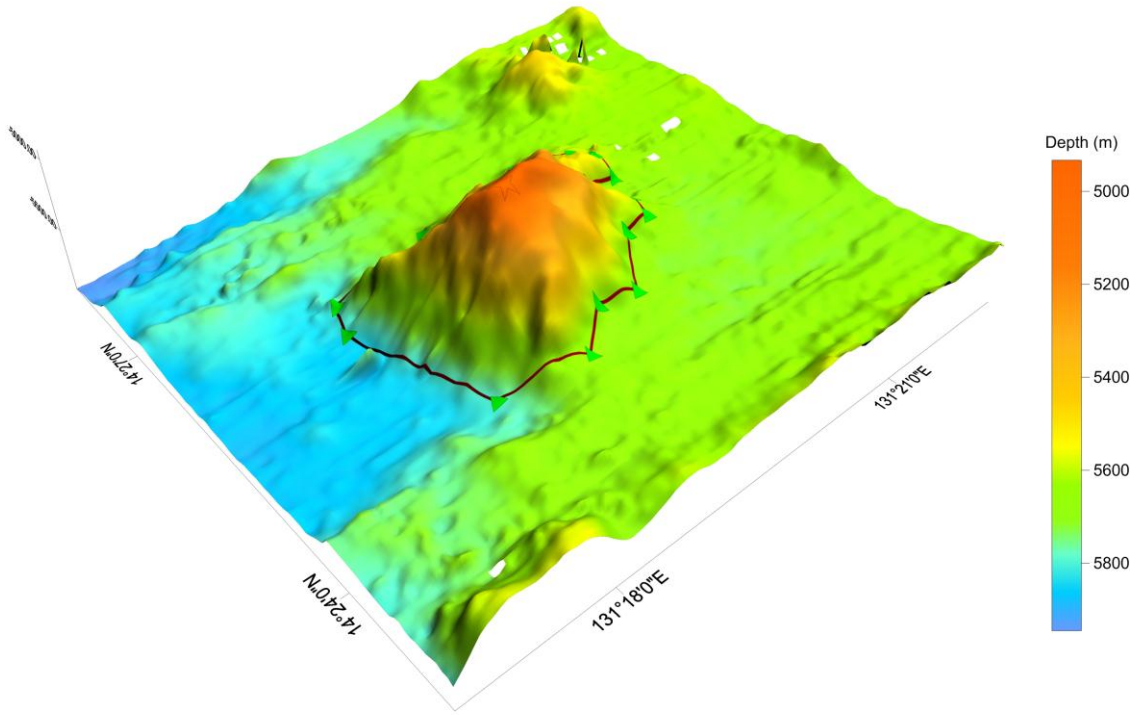

Fig.4 3-D topography map of Lidong Hill

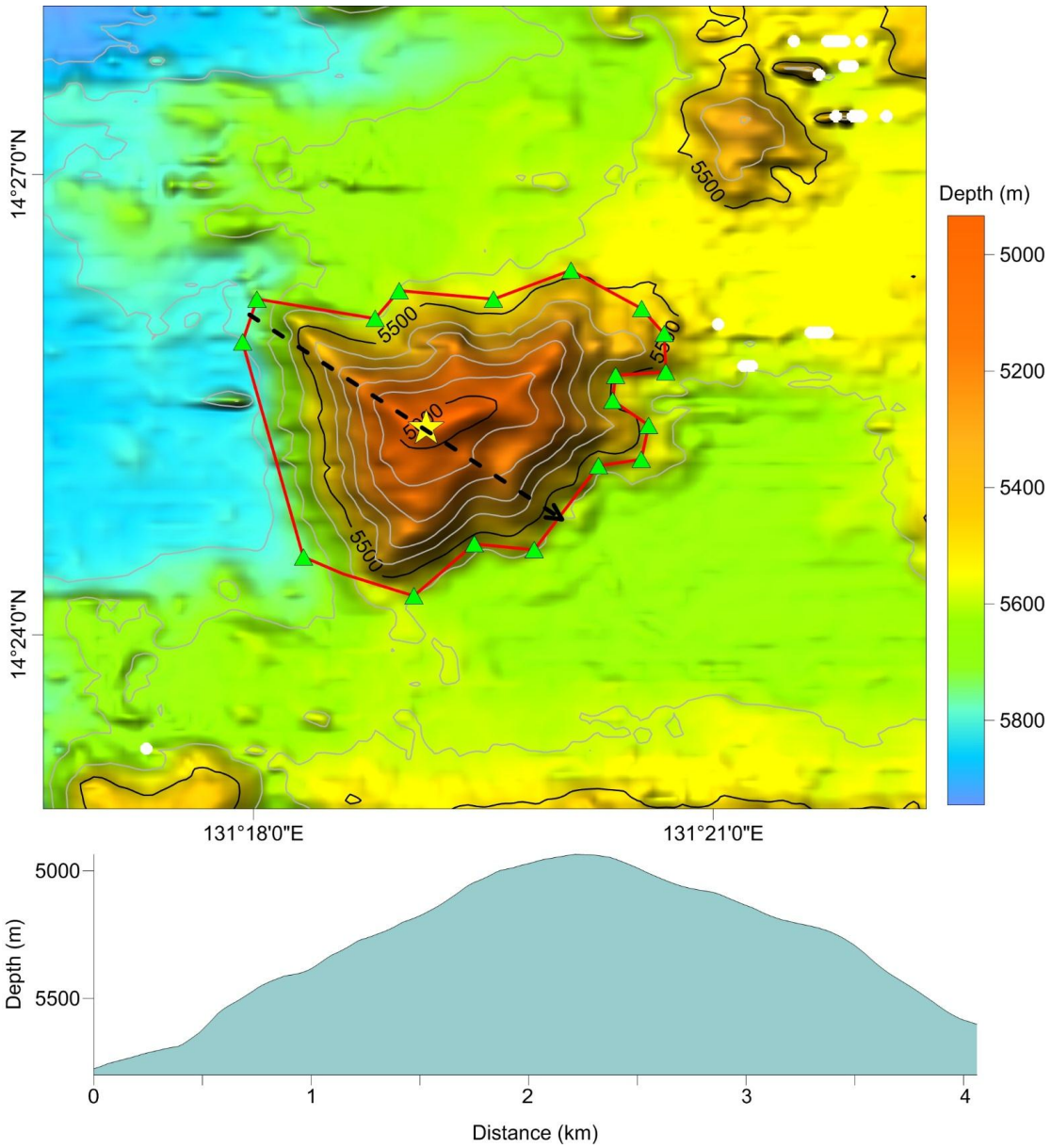

Fig.5 Bathymetric map and profile of Lidong Hill