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:	Chunfen Knoll	**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 °42.1'N (top)	134 °31.0′E (top)
	14 °43.9'N (bottom)	134°30.8′E (bottom)
	14 °43.7'N	134°31.4′E
	14 °43.2'N	134°31.7′E
	14 °42.9'N	134°31.8′E
	14 °42.3'N	134°32.0′E
	14 °41.8'N	134°32.1′E
	14 °41.4'N	134°31.7′E
	14 °41.1'N	134°31.0′E
	14 °41.4'N	134°30.3′E
	14 °41.9'N	134°29.8′E
	14 °42.5'N	134°29.6′E
	14 °43.0'N	134°29.6′E
	14 °43.4'N	134°29.8′E
	14 °43.7'N	134°30.2′E
	14 °43.9'N	134°30.8′E

Feature description:	Maximum Depth:	3150 m	Steepness:	
	Minimum Depth:	2300 m	Shape:	circle
	Total Relief:	850m	Dimension/Size:	5.0km × 4.0km

Associated Features:	This Knoll is located on the Kyushu-Palau ridge. It is about 8km north to Kazahayahoshi seamount. It has a nearly round overlook plane shape with a base size of 5km. The water depth is about 2300 m to the top and about 3150m to foothills.

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. “Chunfen”, the fourth term of the 24 Solar Terms, means vernal equi-nox. The ancient emperors offered sacrifices to the God of Sun in “Chunfen”.

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 :	14 April 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):	Zhaodineng, Lishoujun, 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 (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 <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

Figures

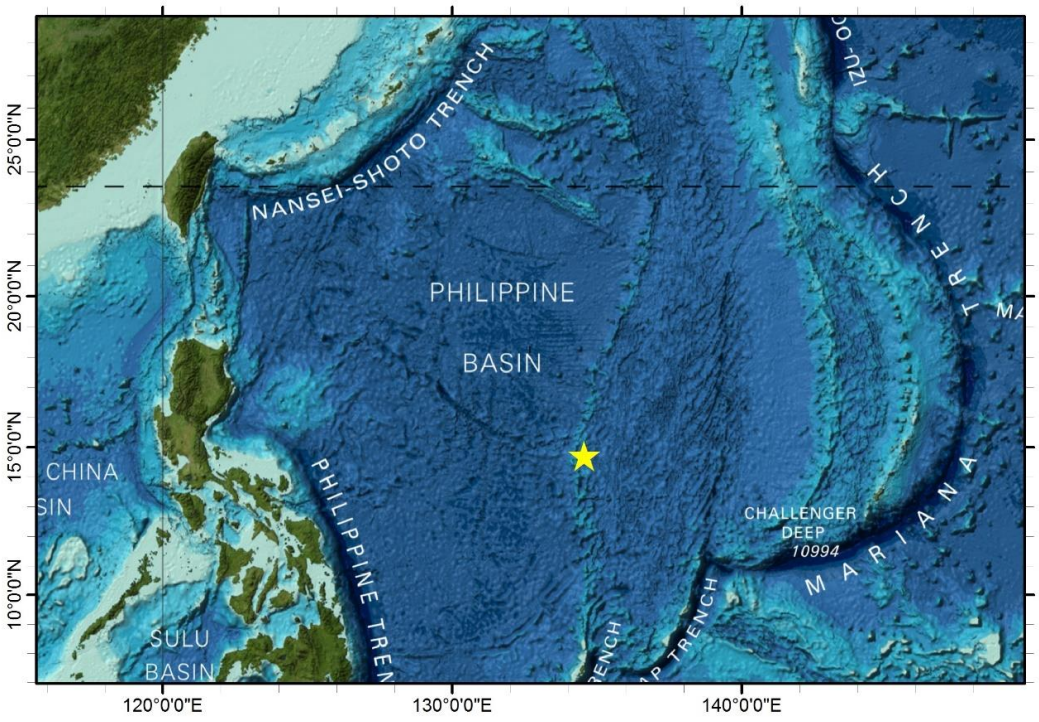

Fig.1 Index map showing the location of Chunfen Knoll

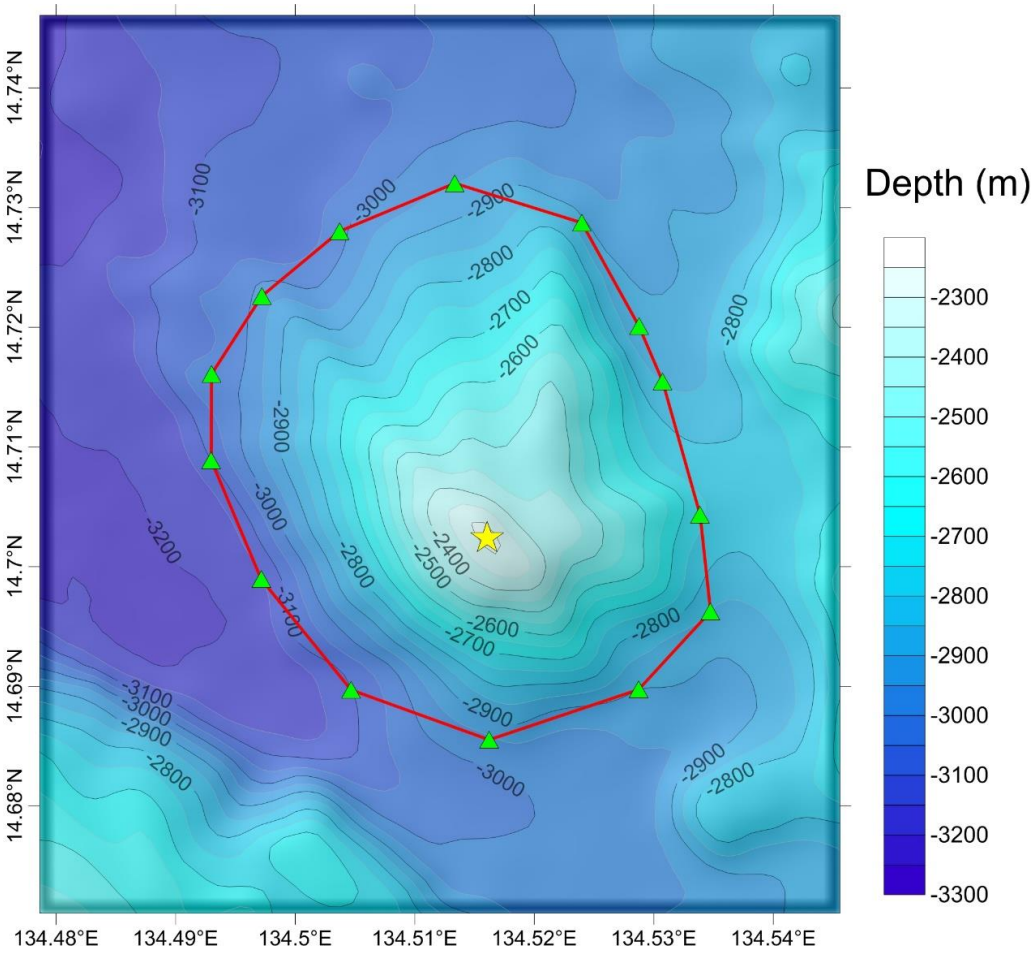

Fig.2 Bathymetric map of Chunfen Knoll
(Contours are in 100 m)

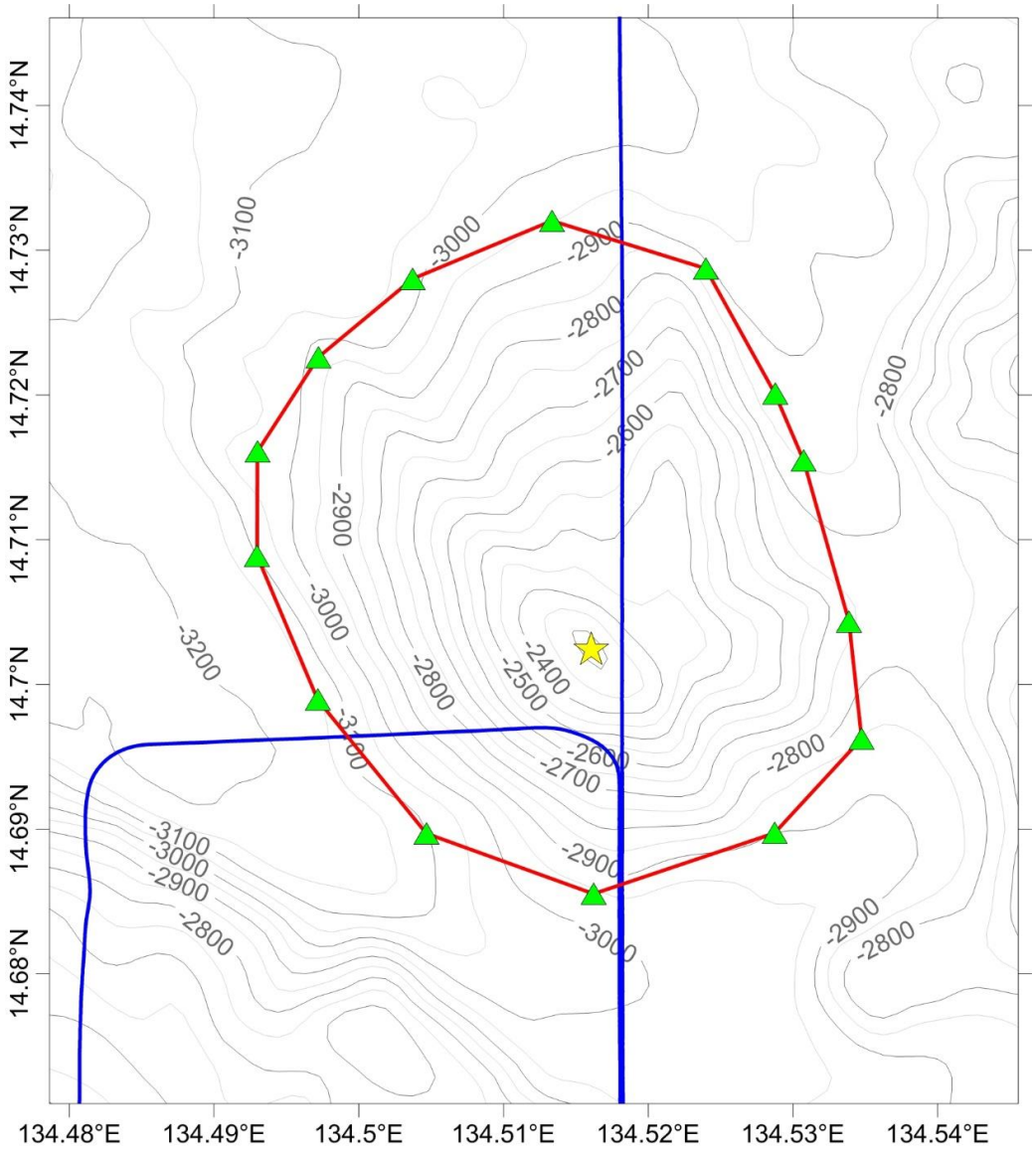

Fig.3 Bathymetric map of Chunfen Knoll, showing track lines
(Contours are in 100 m, blue lines are survey lines)

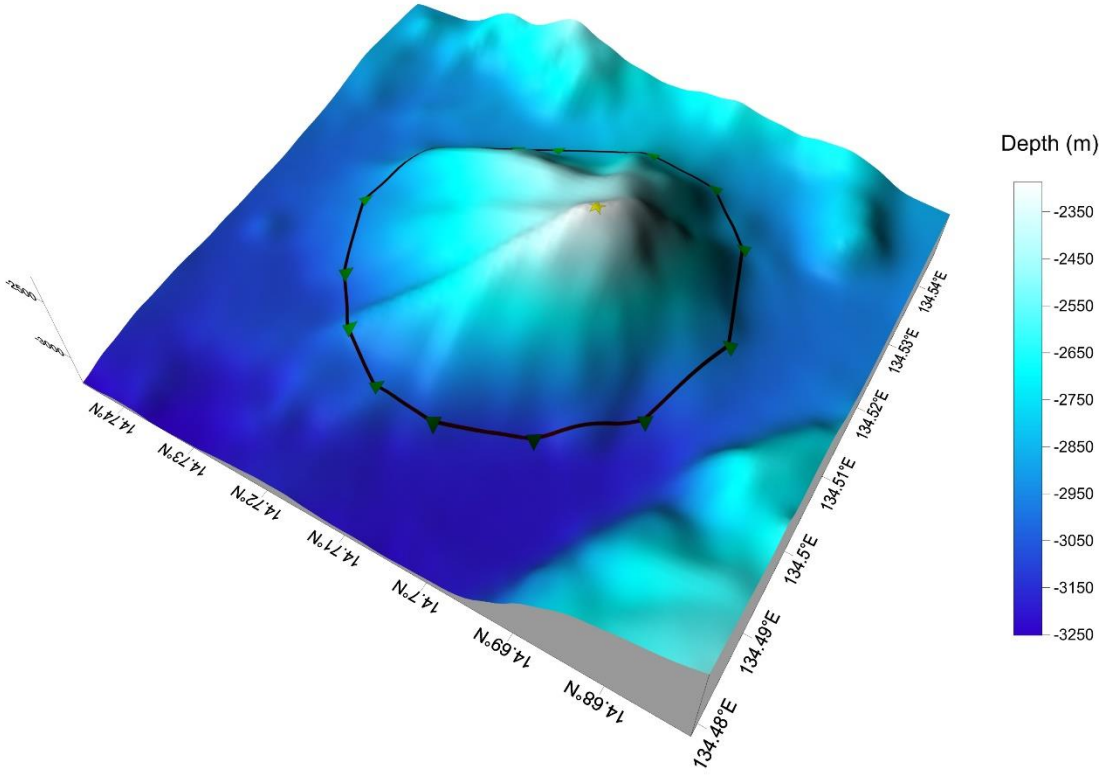

Fig.4 3-D topography map of Chunfen Knoll

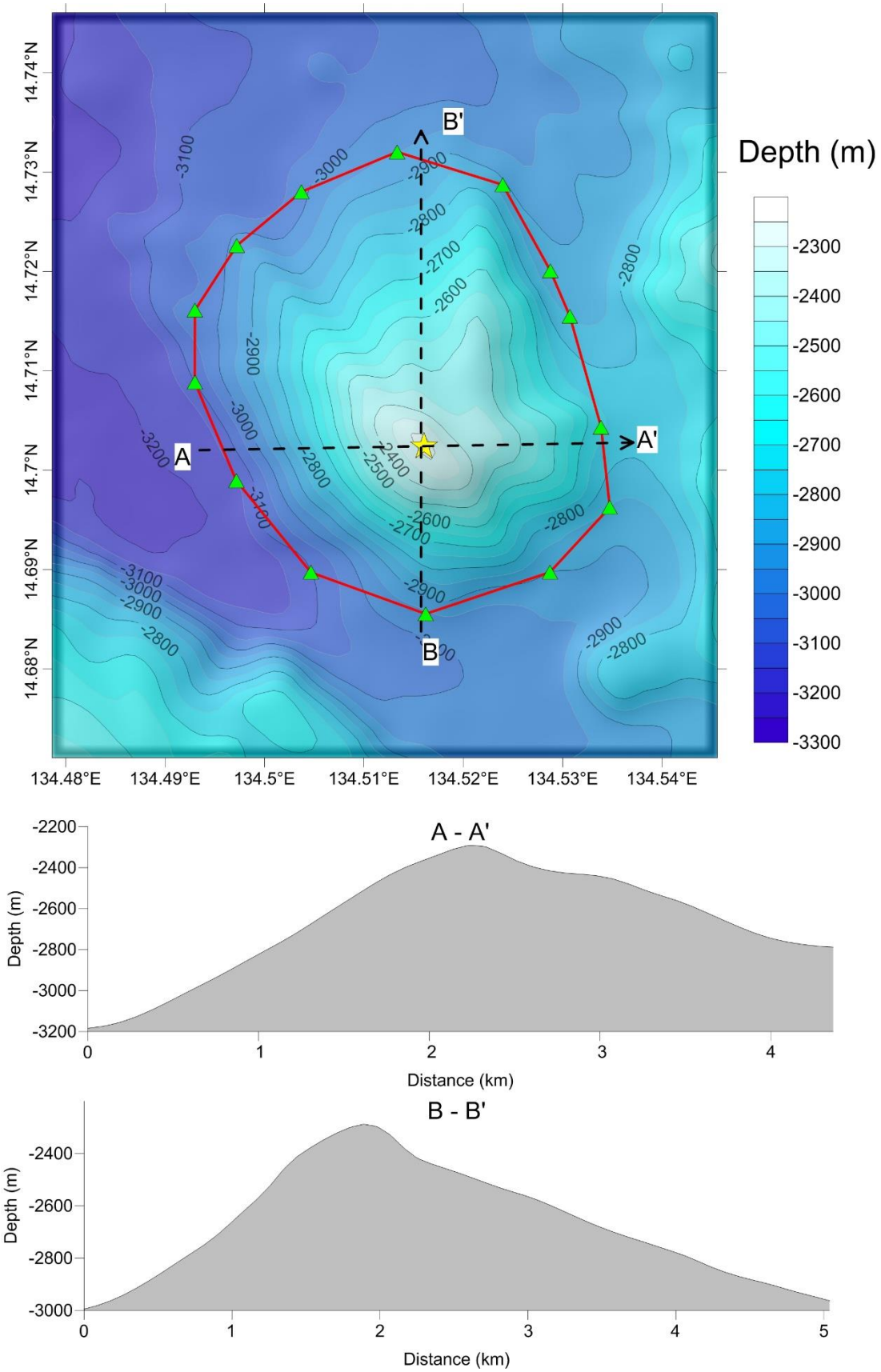

Fig.5 Bathymetric map and profiles of Chunfen Knoll