

**UNDERSEA FEATURE NAME PROPOSAL**

(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

<b>Name Proposed:</b>	Ziyuan Knoll	<b>Ocean or Sea:</b>	Weddell Sea
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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.

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
<b>Coordinates:</b>	60 °40.9' S (Summit)	48 °56.9' W (Summit)
	60 °40.8' S (Bottom)	48 °57.3' W (Bottom)
	60 °40.7' S	48 °57.2' W
	60 °40.7' S	48 °57.0' W
	60 °40.7' S	48 °56.8' W
	60 °40.7' S	48 °56.7' W
	60 °40.8' S	48 °56.5' W
	60 °41.0' S	48 °56.5' W
	60 °41.0' S	48 °56.7' W
	60 °41.1' S	48 °56.9' W
	60 °41.1' S	48 °57.2' W
	60 °41.0' S	48 °57.3' W
	60 °40.9' S	48 °57.4' W
60 °40.8' S (Bottom)	48 °57.3' W (Bottom)	

<b>Feature Description:</b>	Maximum Depth:	1320m	Steepness :	
	Minimum Depth :	1152m	Shape :	
	Total Relief :	168m	Dimension/Size :	1040m×740m

<b>Associated Features:</b>	Located in the Weddell Sea
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.16
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Ziyuan is one of Confucius's most famous disciples and one of ten great philosophers of Confucius, who is very knowledgeable.
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<b>Discovery Facts:</b>	Discovery Date:	Jan. 2018
	Discoverer (Individual, Ship):	R/V XiangyanghongNo.01

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	Jan.2018
	Survey Ship:	R/V XiangyanghongNo.01
	Sounding Equipment:	Multi-beam sounding system (Seabeam3012)
	Type of Navigation:	VERIPOS LD7
	Estimated Horizontal Accuracy, in nautical miles (M):	0.027nm higher
	Survey Track Spacing:	0.87nm
Supporting material can be submitted as Annex in analog or digital form.		

<b>Proposer(s):</b>	Name(s):	First Institute of Oceanography, State Oceanic Administration, China
	Date:	Jul. 2018
	E-mail:	zhengyp@fio.org.cn
	Organization and Address:	No. 6 Xianxialing Road, Qingdao
	Concurrer (name, e-mail, organization and address):	Chinese Arctic and Antarctic Administration

<b>Remarks:</b>	This proposal has been reviewed and approved by China Subcommittee on Undersea Feature Names (CCUFN). No.1 Fuxingmenwai Street, Xicheng District, Beijing, China, 100860 heyunxu@sina.com
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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 Publication B-6) or, if this does not exist or is not known, either to the IHO or to the IOC (see addresses below);

b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea:**

- to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, 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@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	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> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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# ANNEX

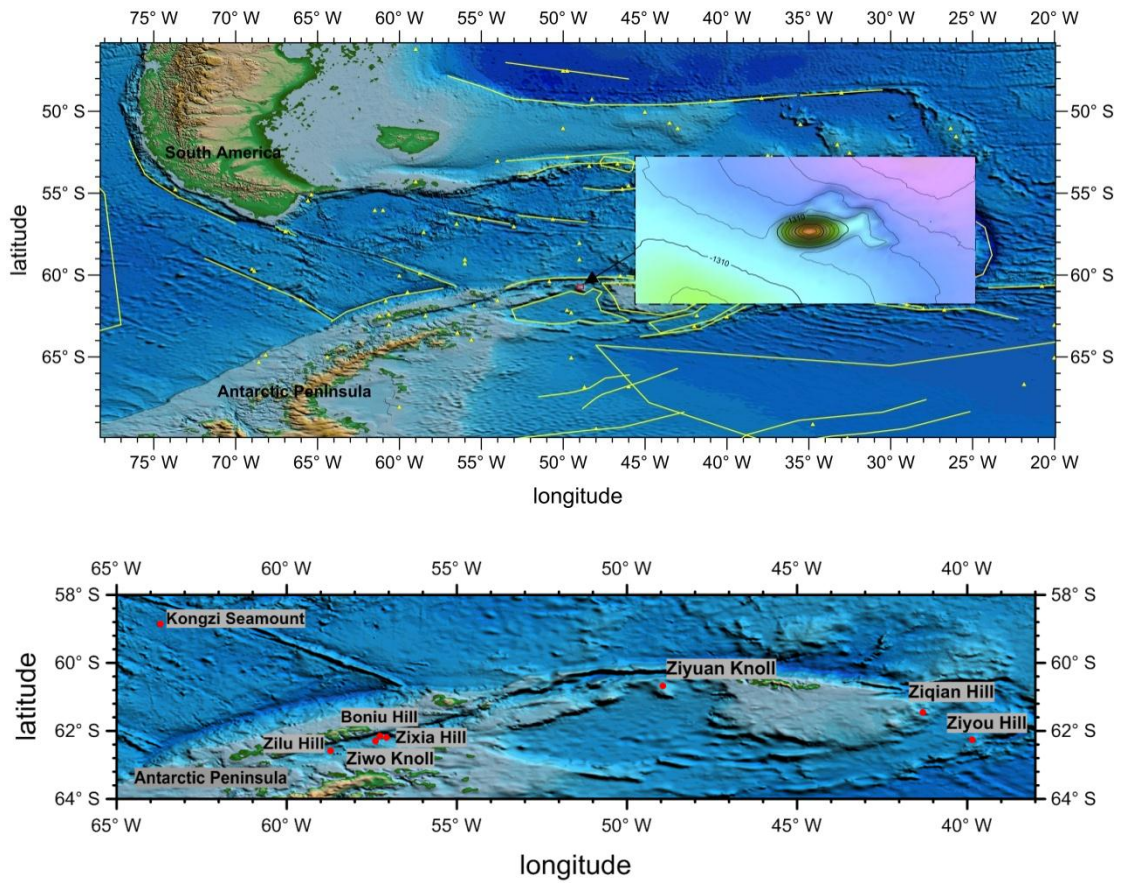


Fig.1. Index map showing the location of Ziyuan Knoll

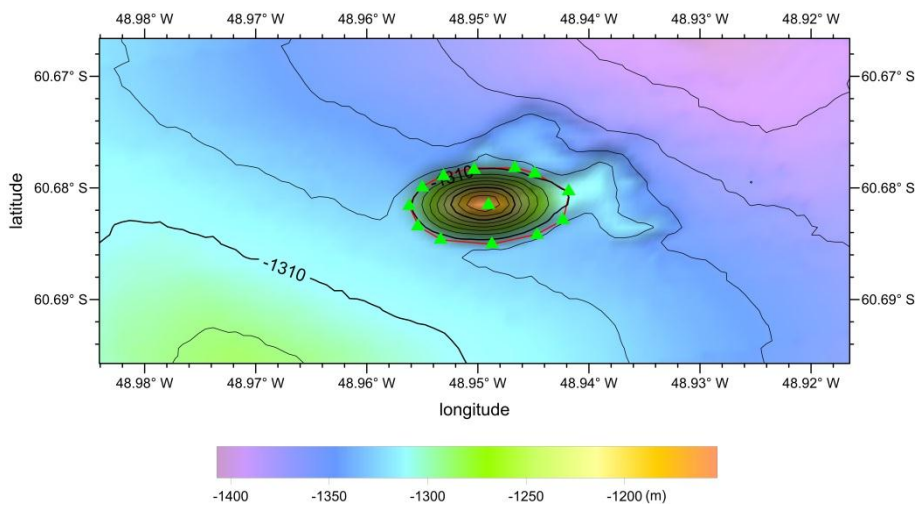


Fig.2. Bathymetric map of Ziyuan Knoll. Contours are in 20m

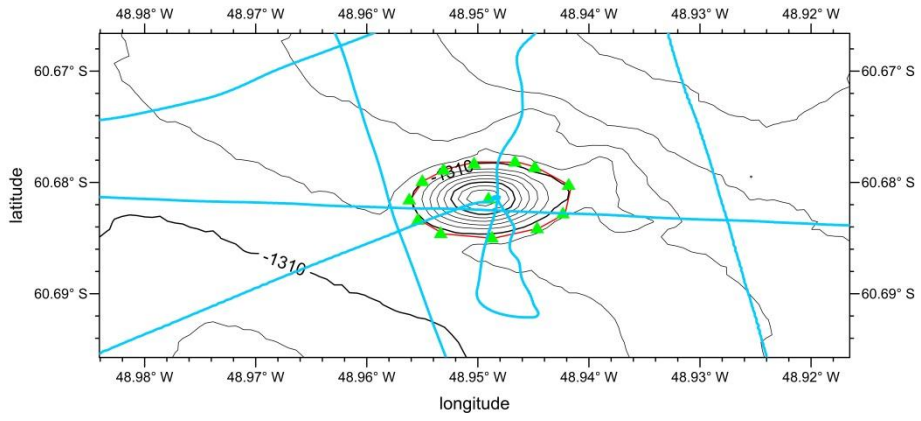


Fig.3. Bathymetric map of Ziyuan Knoll, showing track lines. Contours are in 20m

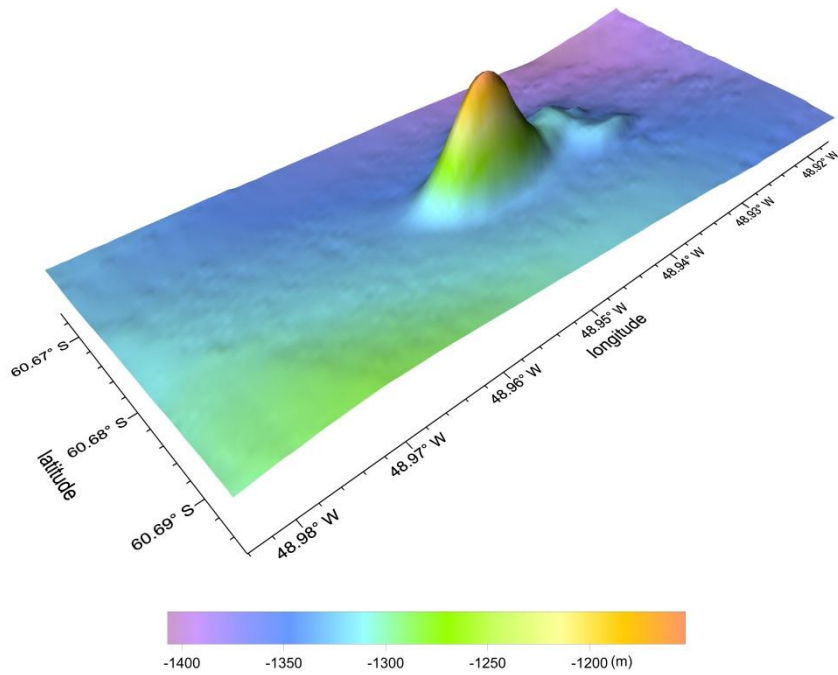


Fig.4. 3-D bathymetric map of Ziyuan Knoll

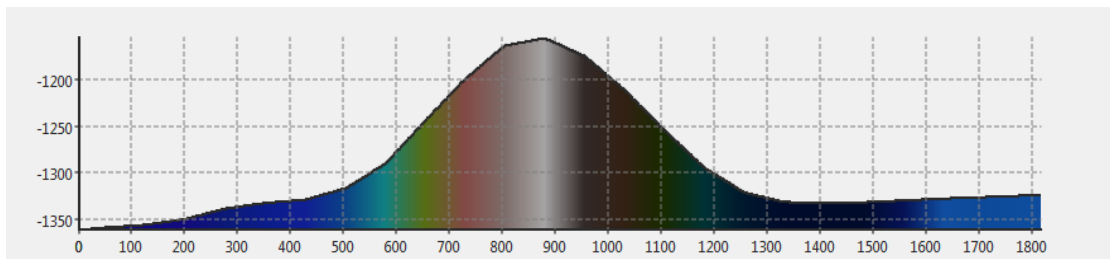
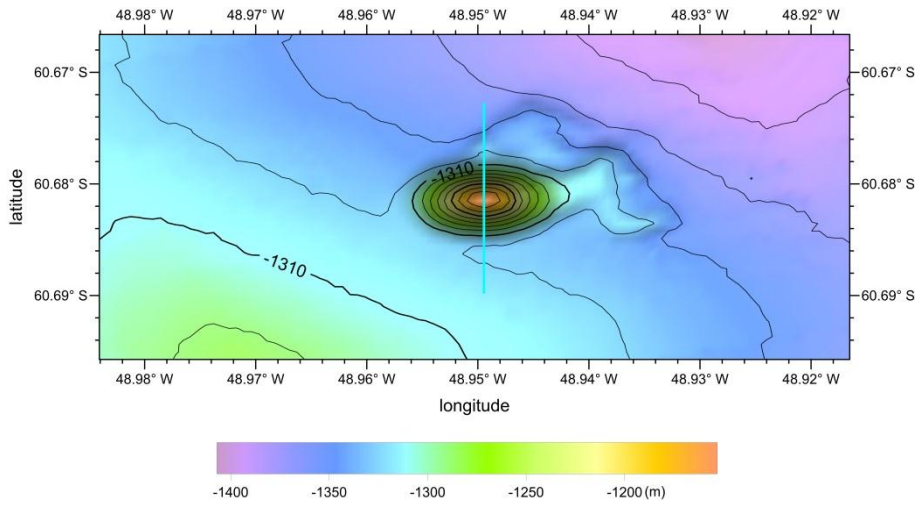


Fig.5. Profiles bathymetric map of Ziyuan Knoll