

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Chaoyang Hill	Ocean or Sea:	East 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:	9°16.7' N (Summit)	154°37.8' W (Summit)
	9°15.4' N (Bottom)	154°38.4' W (Bottom)
	9°15.0' N	154°37.9' W
	9°14.7' N	154°37.2' W
	9°14.9' N	154°36.8' W
	9°15.7' N	154°36.4' W
	9°16.8' N	154°36.3' W
	9°17.3' N	154°36.5' W
	9°17.6' N	154°36.9' W
	9°17.6' N	154°37.8' W
	9°17.3' N	154°38.5' W
	9°17.0' N	154°38.8' W
	9°16.0' N	154°38.7' W
9°15.4' N (Bottom)	154°38.4' W (Bottom)	

Feature Description:	Maximum Depth:	5400 m	Steepness :	
	Minimum Depth :	5003 m	Shape :	Elliptical
	Total Relief :	397 m	Dimension/Size :	4.6 km × 5.3 km

Associated Features:	Chaoyang Hill is located in the Central Pacific Basin and 61 km SSW of the Weiyuan Seamount. Its overall shape is elliptical.
-----------------------------	---

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	“Chaoyang” comes from a poem in Shijing. Shijing is a collection of ancient Chinese poems from 11th century B.C. to 6th century B.C. It means morning sun and optimism. Nearby associate undersea features were named through the verse lines of the same poem.
--	---

Discovery Facts:	Discovery Date:	Aug 26, 2017
	Discoverer (Individual, Ship):	Chinese R/V Xiangyanghong No.03

Supporting Survey Data, including Track Controls:	Date of Survey:	Aug 26. 2017
	Survey Ship:	Chinese R/V Xiangyanghong No.03
	Sounding Equipment:	Seabeam 3012
	Type of Navigation:	Veripos Wide Area Differential GPS
	Estimated Horizontal Accuracy (nm):	0.0053 nm
	Survey Track Spacing:	
	Supporting material can be submitted as Annex in analog or digital form. See Annex	

Proposer(s):	Name(s):	China Ocean Mineral Resources Research and Development Association (COMRA)
	Date:	Apr 08. 2018
	E-mail:	comra@comra.org
	Organization and Address:	No.1 Fuxingmenwai Street, Xicheng District, Beijing
	Concurrer (name, e-mail, organization and address):	

Remarks:	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
-----------------	---

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 not exist or is not known, either to the IHB 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 IHB or to the IOC, at the following addresses :

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 France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
---	--

ANNEX

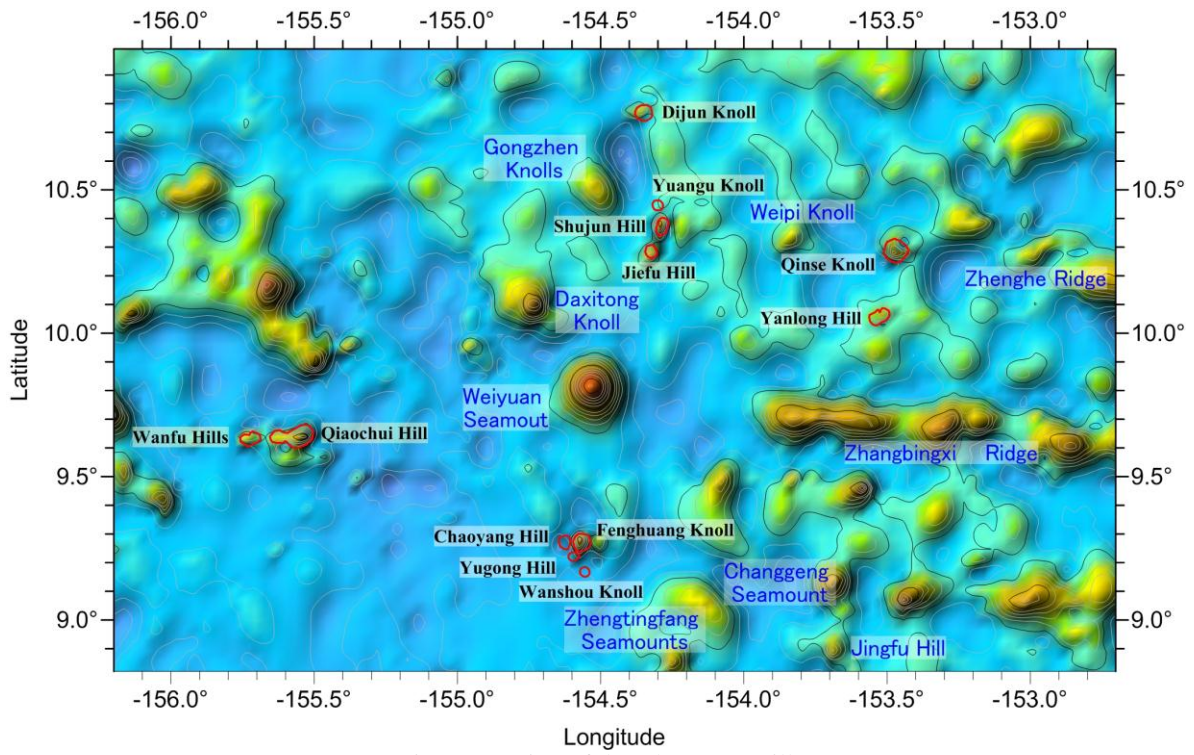


Fig. 1 Location of the Chaoyang Hill

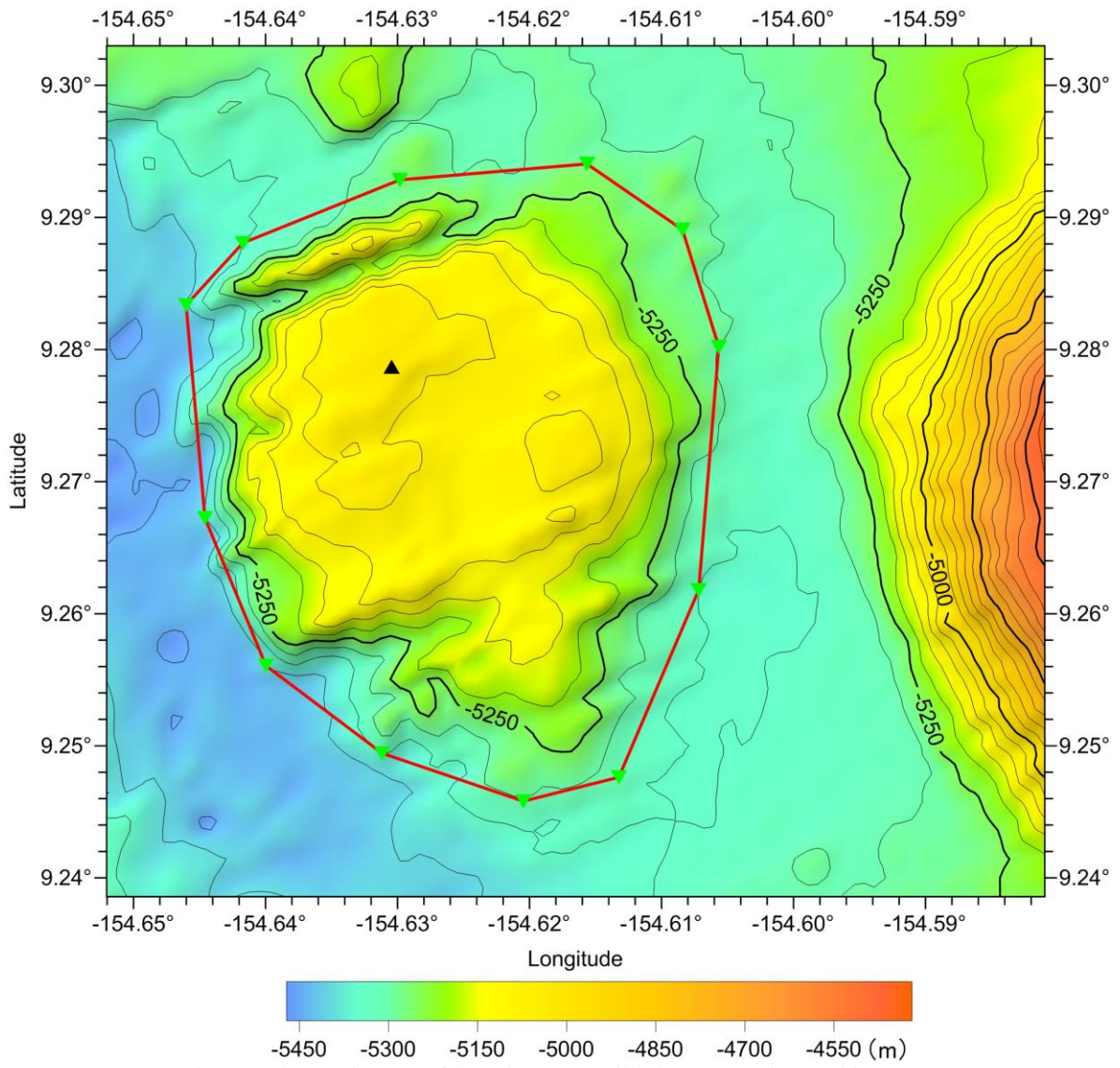


Fig. 2 Bathymetric map of the Chaoyang Hill (the contour interval is 50 m)

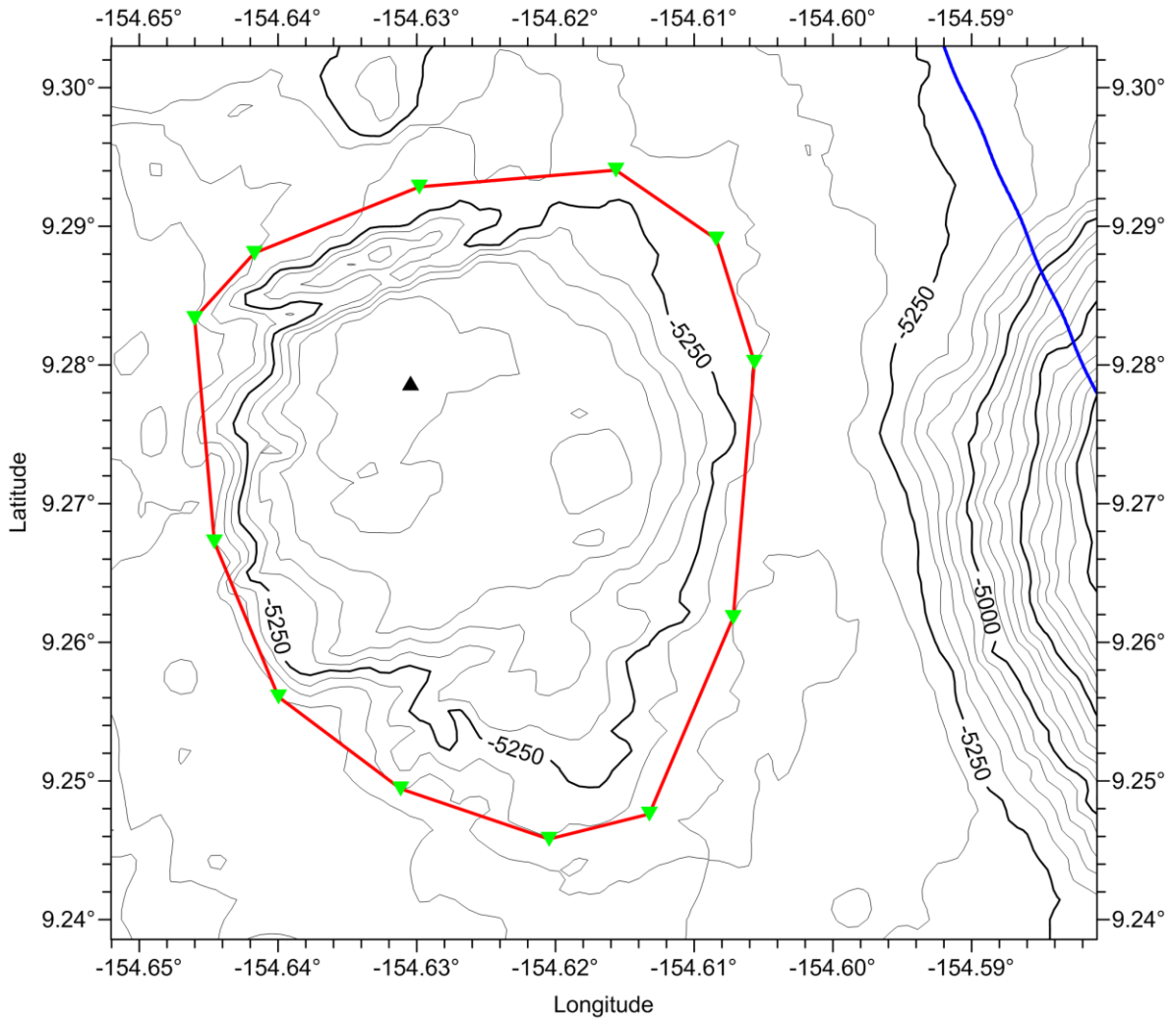


Fig. 3 Bathymetric and survey line map of the Chaoyang Hill (the contour interval is 50 m, blue ones are survey lines)

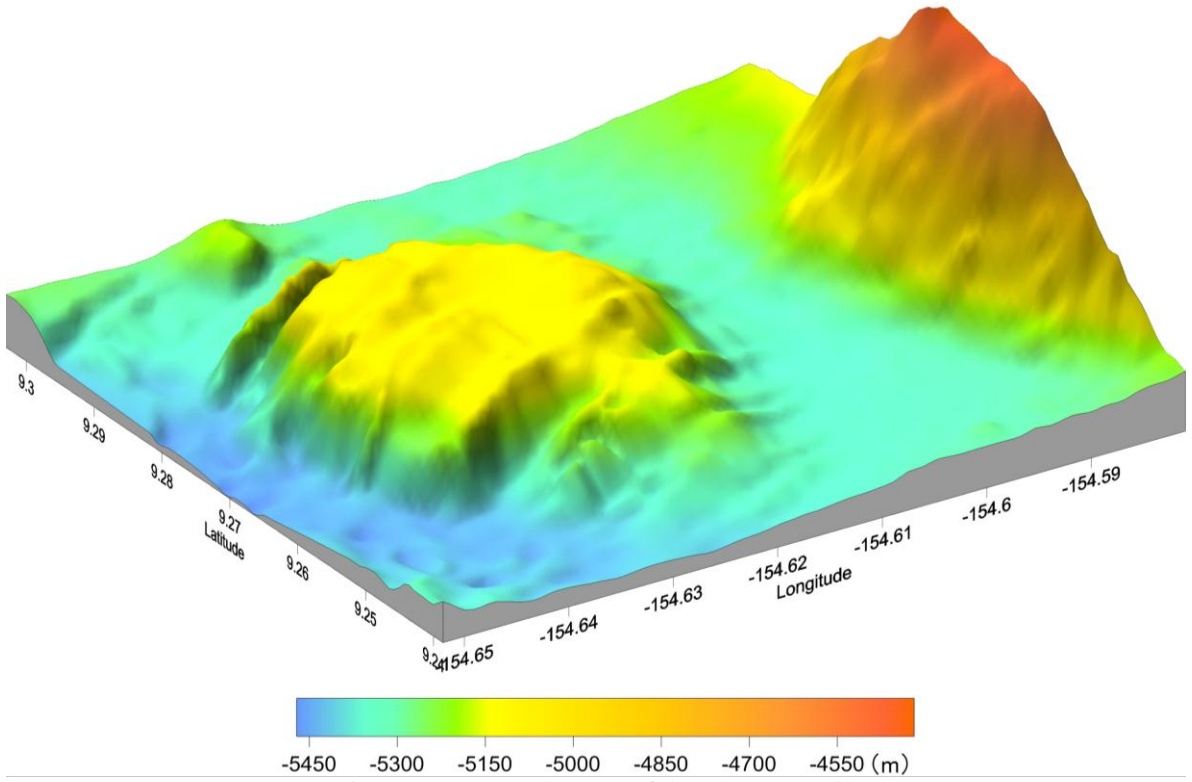


Fig. 4 3-D topography map of the Chaoyang Hill

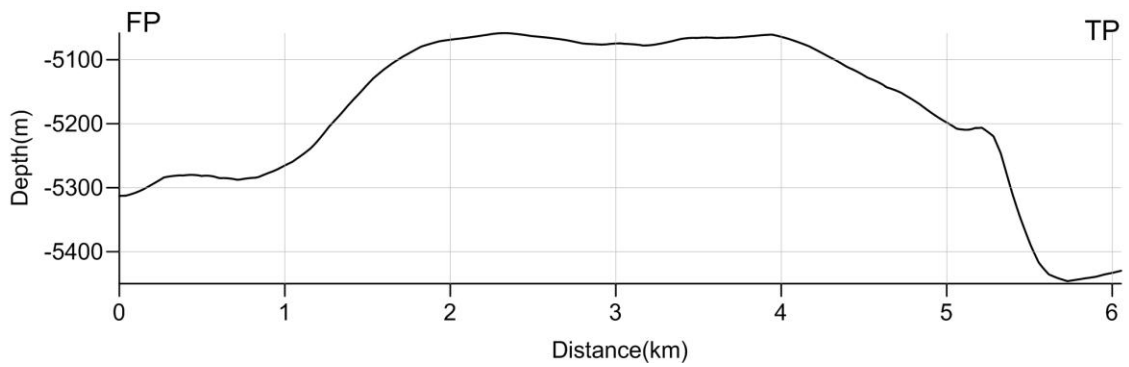
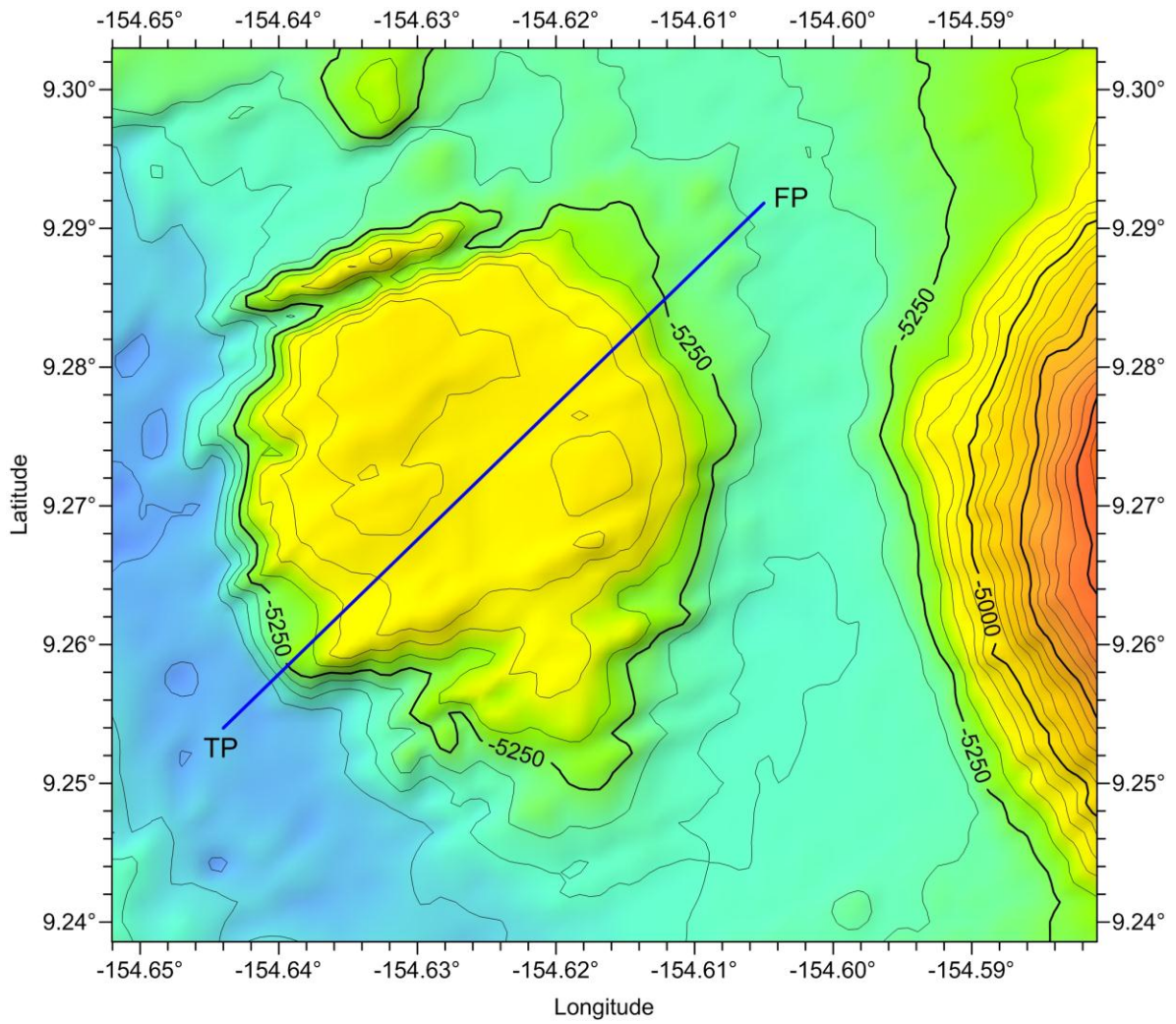


Fig. 5 Profile map of the Chaoyang Hill