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:	Luzhaolin Knoll	**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:	07°50.5'N (top)	145°55.3'W (top)
	07°48.4'N (bottom)	145°56.3'W (bottom)
	07°49.3'N	145°56.9'W
	07°50.6'N	145°56.9'W
	07°51.6'N	145°56.5'W
	07°51.9'N	145°55.4'W
	07°51.9'N	145°54.4'W
	07°51.6'N	145°53.7'W
	07°50.9'N	145°53.1'W
	07°50.0'N	145°52.8'W
	07°49.0'N	145°53.5'W
	07°48.0'N	145°54.0'W
	07°47.6'N	145°54.7'W
	07°47.7'N	145°55.7'W
	07°48.4'N	145°56.3'W

Feature Description:	Maximum Depth:	5379 m	Steepness :	
	Minimum Depth :	4578 m	Shape :	Nearly round
	Total Relief :	801 m	Dimension/Size :	8km × 7km

Associated Features:	Luzhaolin Knoll is located at northwest to Luobinwang Knoll, 7 km east to the Yangjiong hill. The knoll has a nearly round overlook plane shape. The northern slope of the knoll is steep while the southern slope is flat.

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)**:**	Lu Zhaolin (about A.D.635-689) was a famous poet in early Tang Dynasty of China. The knoll named after Lu Zhaolin is to commemorate his great contributions to Chinese literature.

Discovery Facts:	Discovery Date:	August, 1995
	Discoverer (Individual, Ship):	Chinese R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	August, 1995
	Survey Ship:	Chinese R/V Dayang Yihao

	Sounding Equipement:	Multibeam Sounding System (Seabeam2112)
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy (nm):	≤0.08 nm
	Survey Track Spacing:	5 nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	China Ocean Mineral Resources R&D Association
	Date:	July 1, 2016
	E-mail:	comra@comra.org
	Organization and Address:	No.1, Fuxingmenwai Street, Xicheng District, Beijing, China
	Concurrer (name, e-mail, organization and address):	

Remarks:	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical 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 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

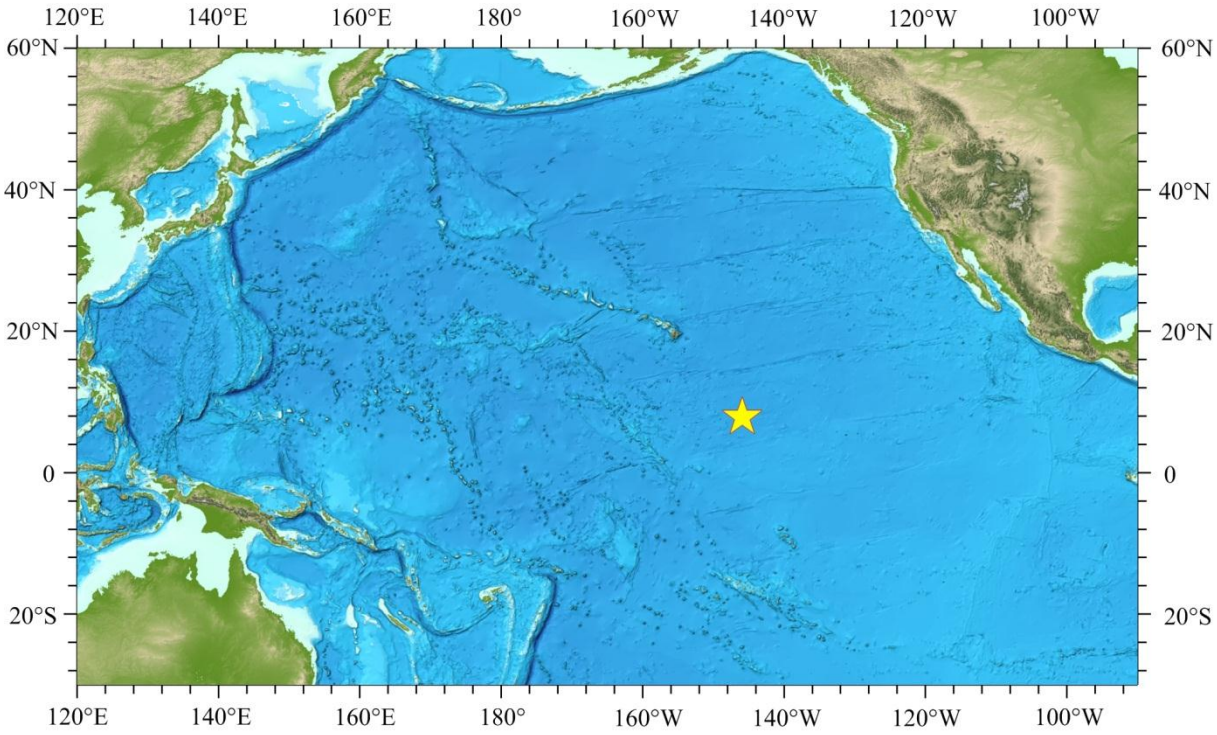

Fig 1. Location map of Luzhaolin Knoll

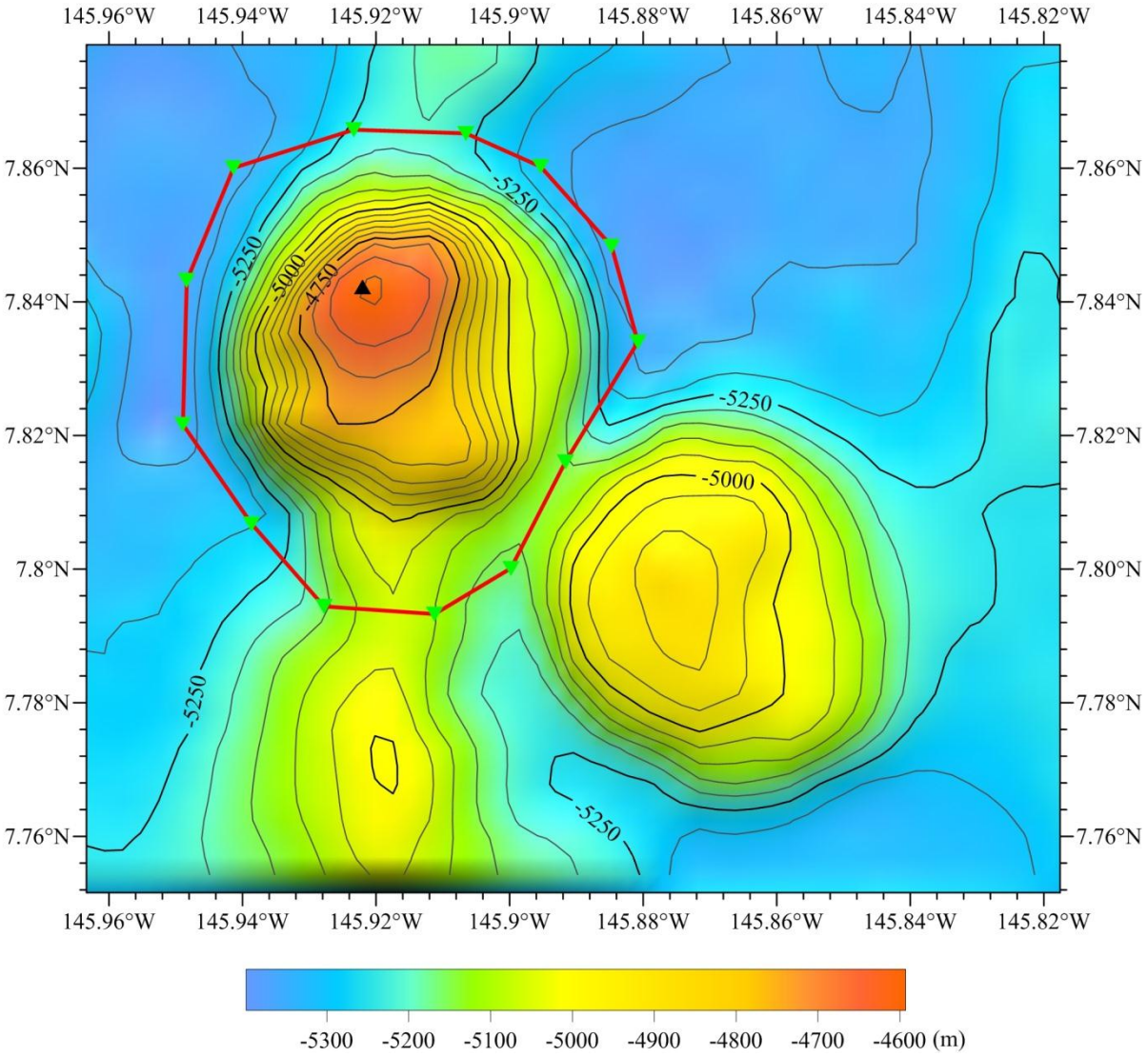

Fig 2. Bathymetric map of Luzhaolin Knoll (Contours are in 50 m)

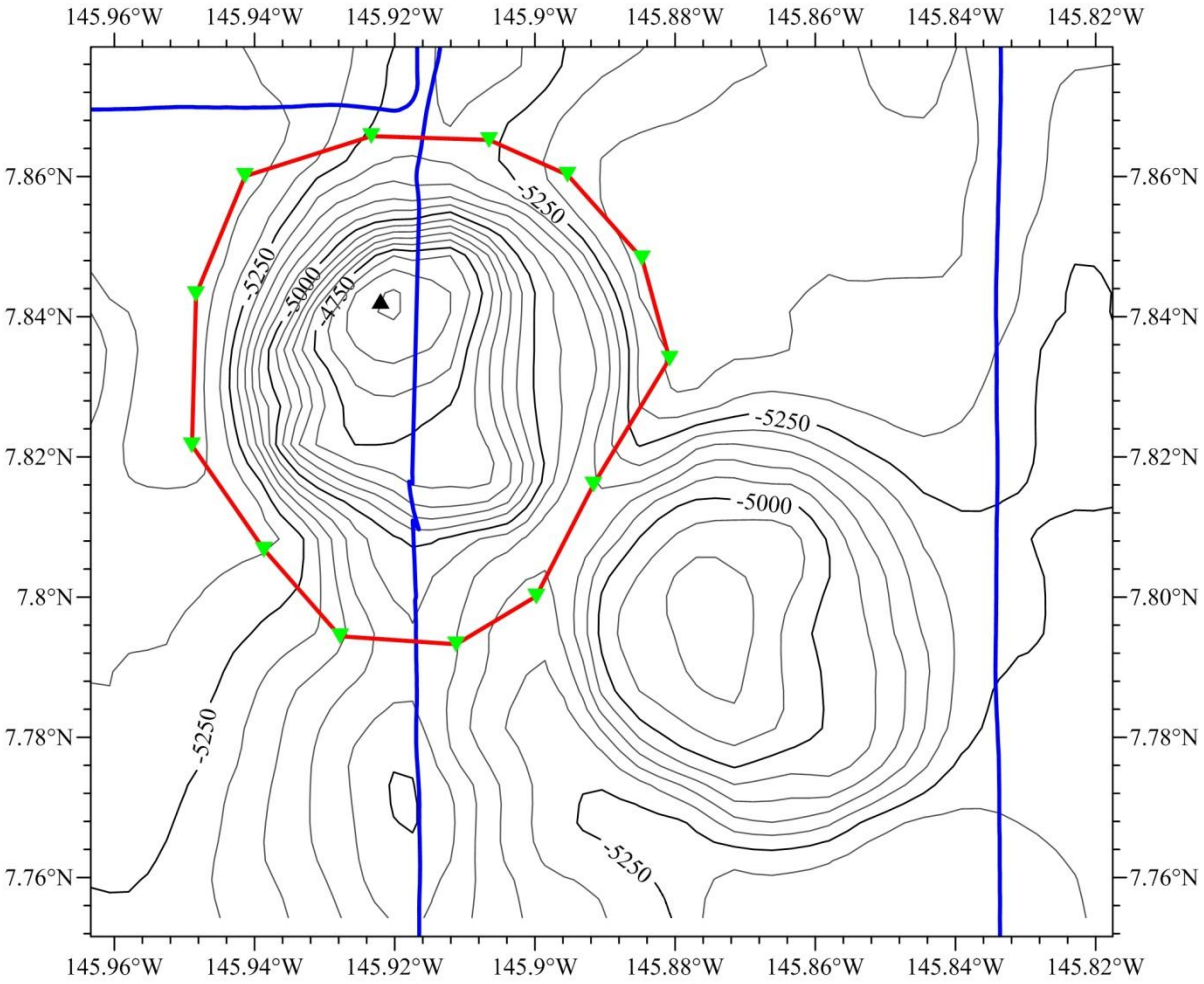

Fig 3. Isobath and survey line map of Luzhaolin Knoll (Contours are in 50 m, blue lines are survey lines)

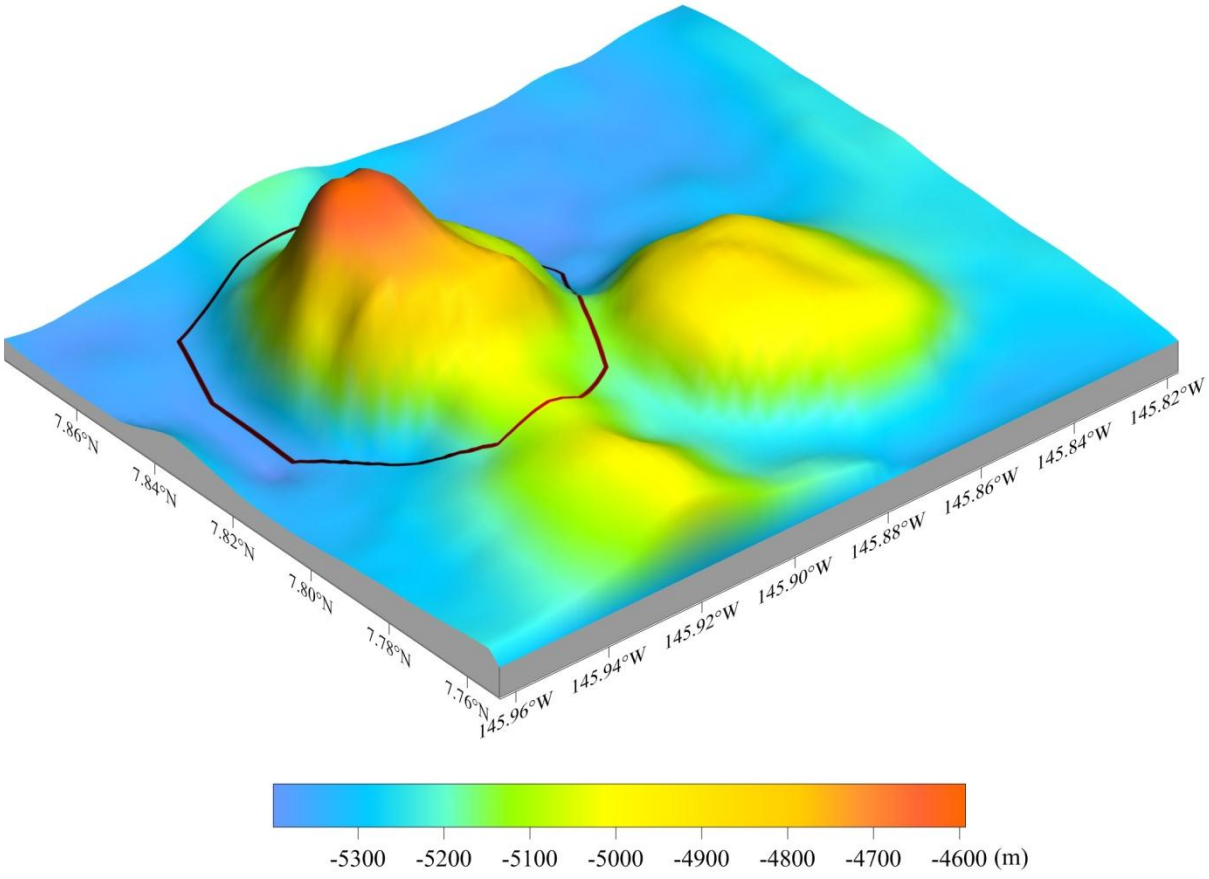

Fig 4. 3-D topography map of Luzhaolin Knoll

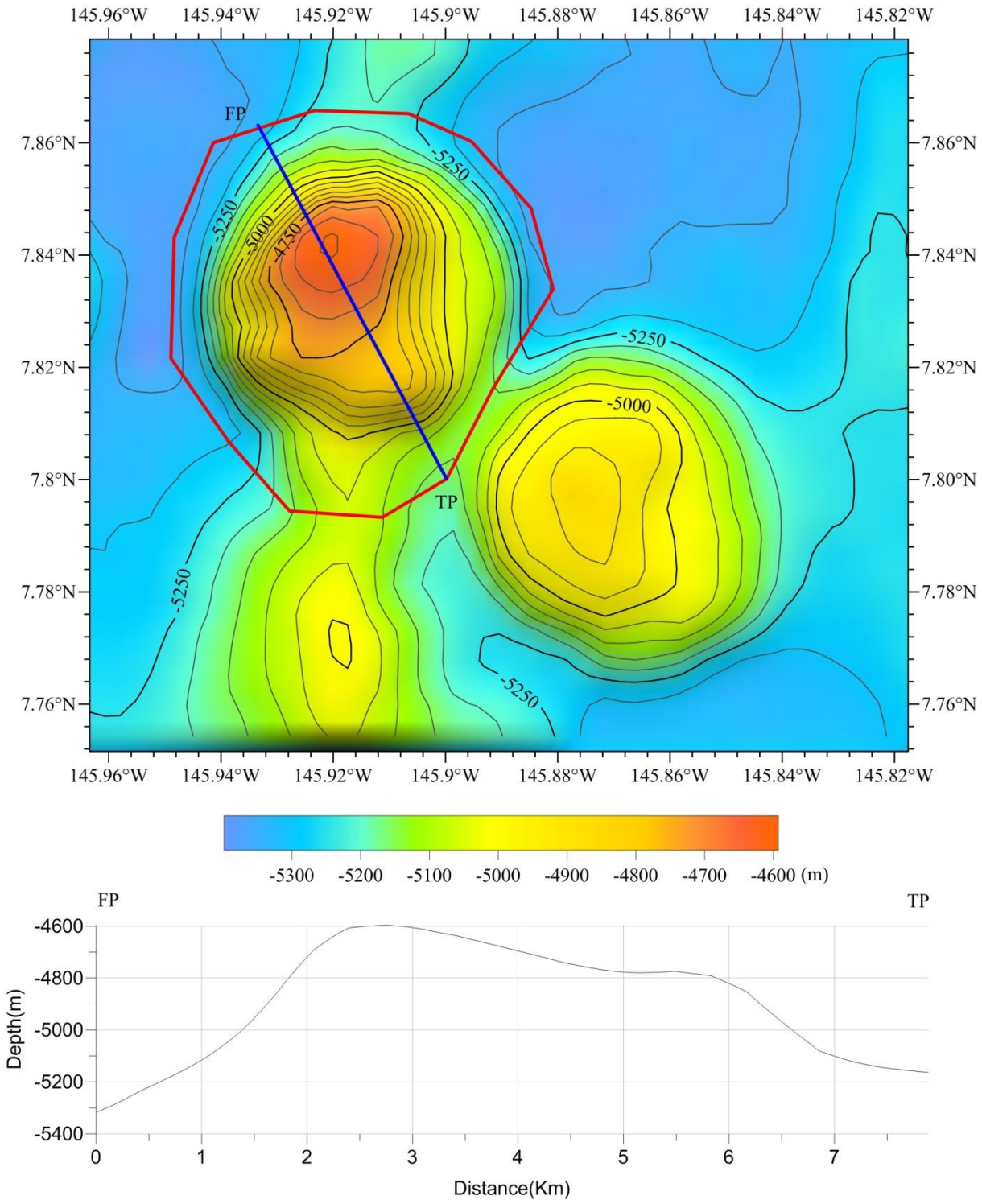

Fig 5. Topography profile map of Luzhaolin Knoll