INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

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

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

Name Proposed:	Yuhuang Ridge	**Ocean or Sea:**	Southwest Indian 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:	37°57.1′S (Top)	49 °16.0′E (Top)
	38 °01.3′S (Bottom)	49 °06.4′E (Bottom)
	38 °01.3′S	49 °04.9′E
	38 °00.5′S	49 °02.0′E
	37°59.5′S	49 °02.2′E
	37°58.7′S	49 °04.6′E
	37°58.3′S	49 °06.6′E
	37°55.4′S	49°13.5′E
	37°54.3′S	49°17.1′E
	37°54.7′S	49°24.3′E
	37°55.6′S	49 °27.0′E
	37°56.5′S	49°26.2′E
	37°58.4′S	49°21.7′E
	37°59.1′S	49°17.2′E
	38 °00.9′S	49°11.2′E
	38 °01.3′S	49 °06.4′E

Feature Description:	Maximum Depth:	3300 m	Steepness :	
	Minimum Depth :	1300 m	Shape :	
	Total Relief :	2000 m	Dimension/Size :	48 km * 11 km

Associated Features:	This ridge is located in south of central rift valley of Southwest Indian Ridge.

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.09
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named)**:**	China Ocean Mineral Resources R&D Association (COMRA) found "Yuhuang Hydrothermal Field" in this region in 2010. With the deepening of following survey, this ridge was found in the surroundings. So the ridge was named "Yuhuang".

Discovery Facts:	Discovery Date:	2010
	Discoverer (Individual, Ship):	Chinese R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	2010, 2014
	Survey Ship:	Chinese R/V Dayang Yihao

	Sounding Equipement:	Multi-beam Echo Sounding System (EM120)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	≤0.0054 nm
	Survey Track Spacing:	1.2 nm
	Supporting material can be submitted as Annex in analog or digital form: see Annex	

Proposer(s):	Name(s):	China Ocean Mineral Resources R&D Association (COMRA)
	Date:	July 1, 2017
	E-mail:	jin@comra.org
	Organization and Address:	Fuxingmenwai Street No.1, Beijing, China China Ocean Mineral Resources R&D Association
	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 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) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@iho.int Web: www.iho.int	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org Web: http://ioc-unesco.org/

ANNEX

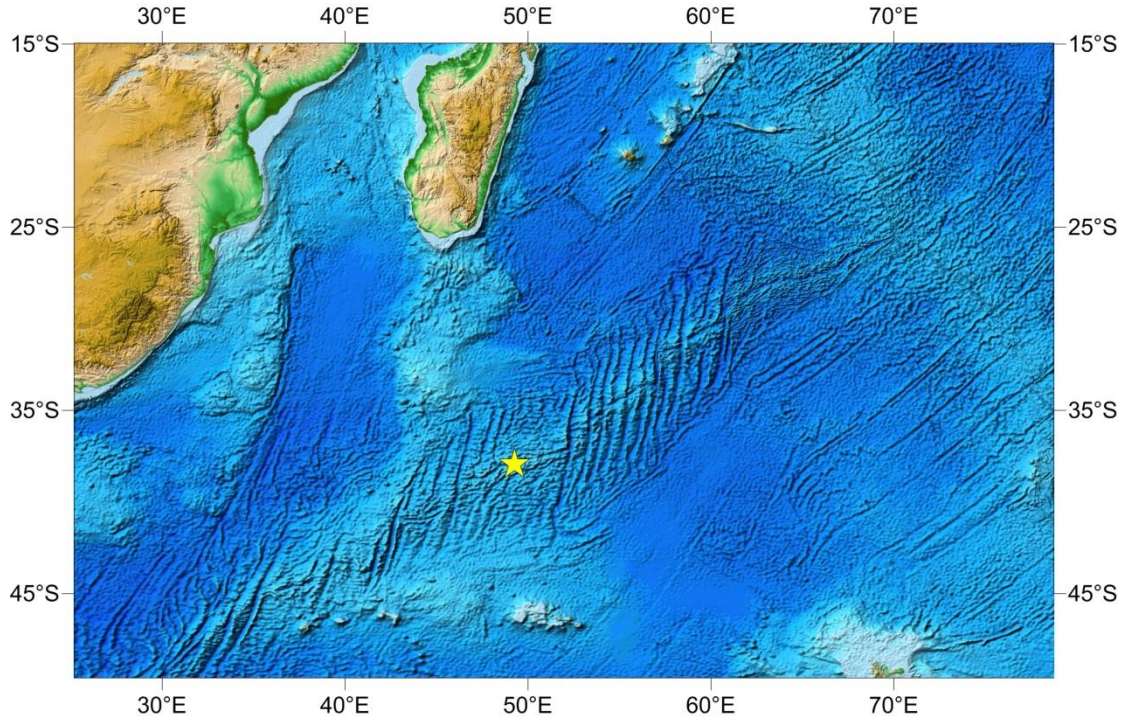

Fig. 1 Location of Yuhuang Ridge

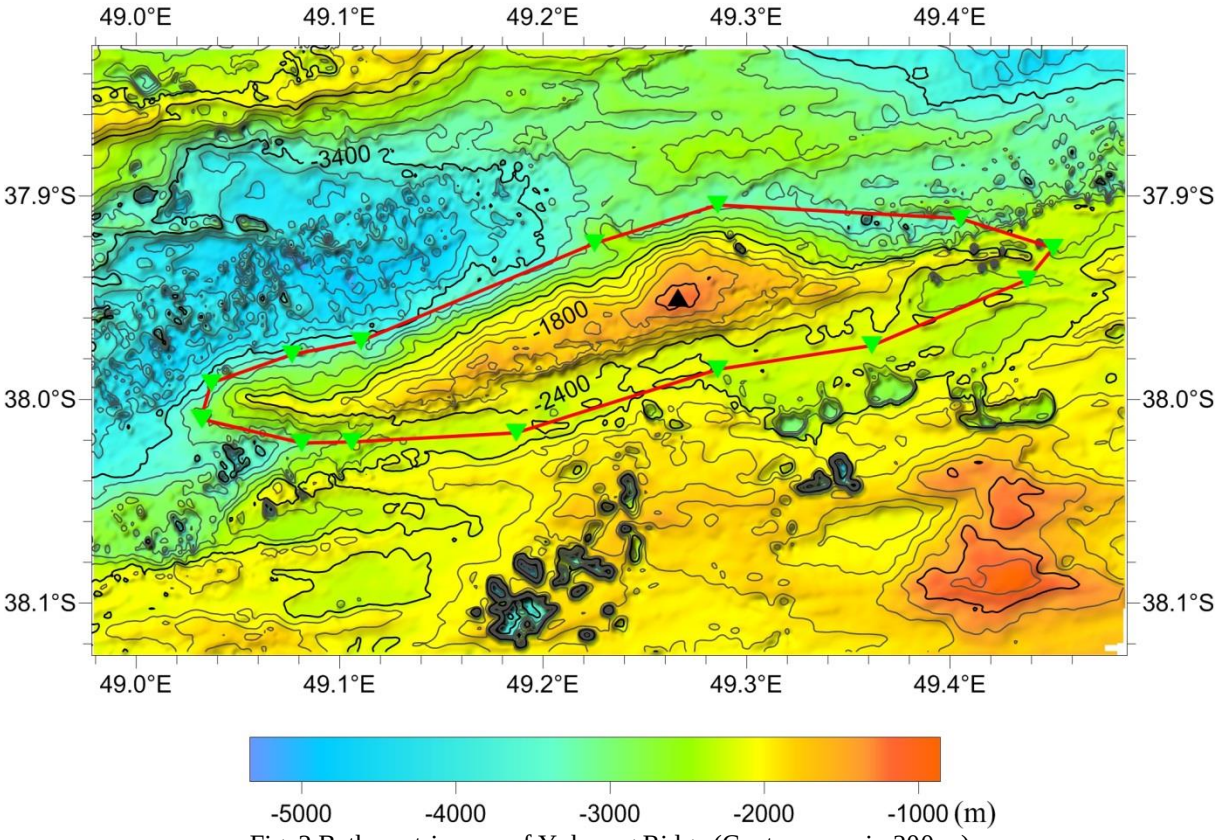

Fig. 2 Bathymetric map of Yuhuang Ridge (Contours are in 200 m)

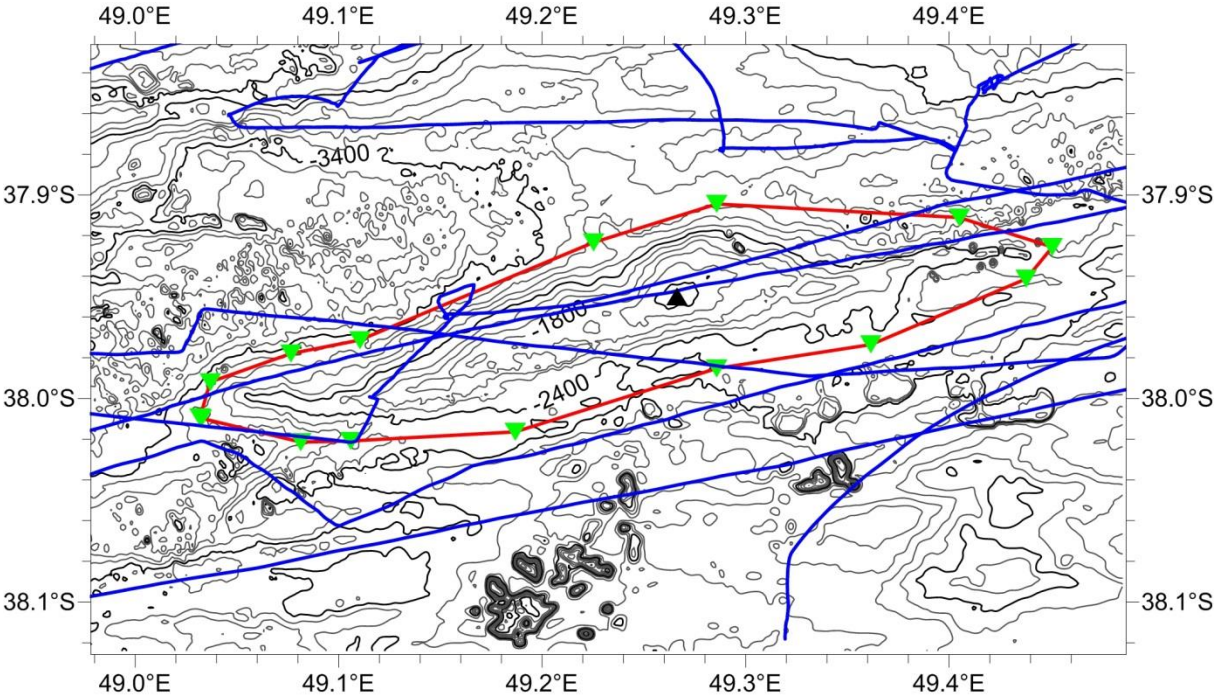

Fig. 3 Bathymetric and survey line map of Yuhuang Ridge (Contours are in 200 m, blue ones are survey lines)

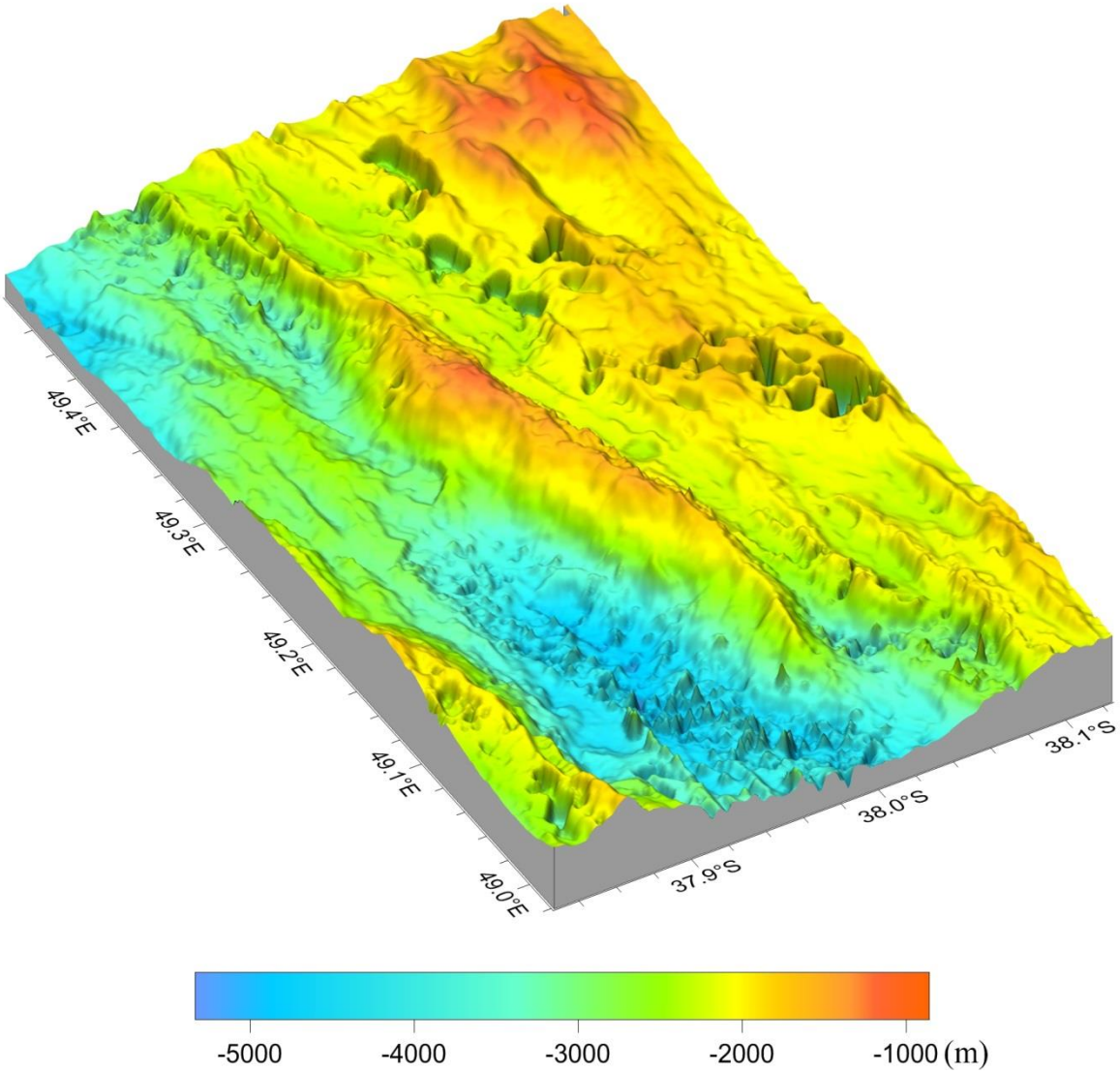

Fig. 4 3-D topography map of Yuhuang Ridge

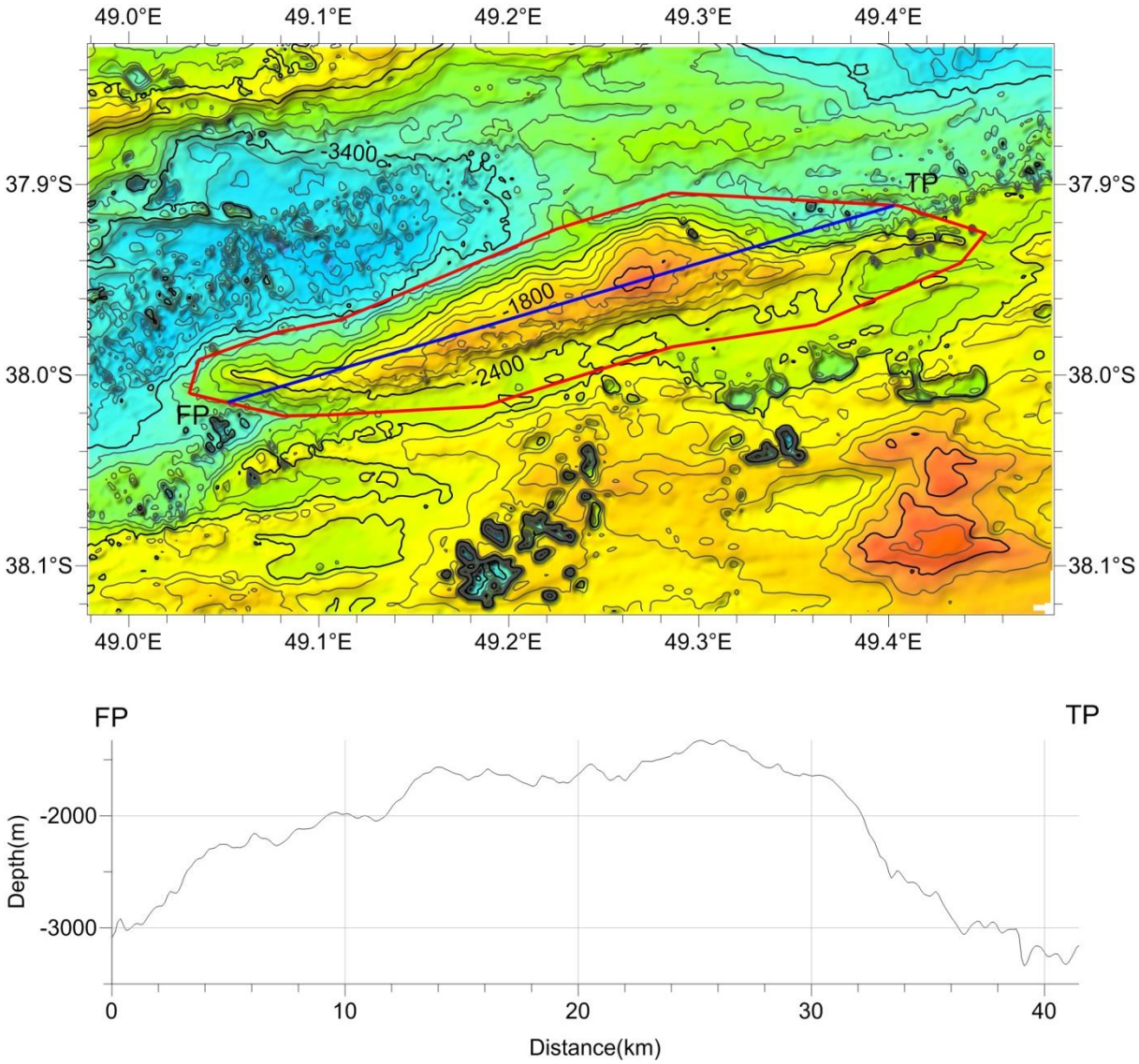

Fig. 5 profile map of Yuhuang Ridge