

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:	Wanhu Hills	Ocean or Sea:	South China Sea (SCS)
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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:	18°06.5'N (summit)	111°45.4'E (summit)
	18°07.1'N (summit)	111°49.9'E (summit)
	18°8.3' N (bottom)	111°43.7'E (bottom)
	18°8.2' N	111°45.2'E
	18°9.2' N	111°46.8'E
	18°8.8' N	111°50.0'E
	18°8.0' N	111°51.7'E
	18°6.7' N	111°51.8'E
	18°5.2' N	111°49.3'E
	18°4.1' N	111°49.0'E
	18°4.1' N	111°45.4'E
	18°4.7' N	111°45.0'E
	18°5.5' N	111°43.2'E
	18°6.9' N	111°43.0'E
	18°7.5' N	111°43.3'E
18°8.3' N	111°43.7'E	

Feature Description:	Maximum Depth:	2174m	Steepness :	8°-15°
	Minimum Depth :	1215m	Shape :	
	Total Relief :	959m	Dimension/Size :	15km ×9km

Associated Features:	Wanhu Hills lies in the Northern SCS Slope, and consists of two hills. The hills is elongated, extending from west to east.
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Chart/Map References:	Shown Named on Map/Chart:	Atlas of Geology and Geophysics of the South China Sea (1 : 2 000 000), published in 2015
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Wanhu Hills is named after Wanhu (AD 17th century, the year of birth and death is unknown), a scientist of Ming Dynasty in China. Formerly known as Tao Chengdao, Wanhu is the title of his official position. Wanhu drove a rocket made by himself, holding two large kites on both hands, trying to take off to explore the space through using the power of the rocket thrust and kites. Unfortunately the rocket exploded and Wanhu was sacrificed. The International Astronomical Union named a crater on the moon as
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	Wanhu Crater in memory of Wanhu. These hills are named after Wanhu, to commemorate his braveness as a space pioneer.
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Discovery Facts:	Discovery Date:	Apr.2009
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Apr.2009
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	2.5nm
Supporting material can be submitted as Annex in analog or digital form.		

Proposer(s):	Name(s):	Zhu Benduo, Zhang Huodai
	Date:	Aug. 1st, 2017
	E-mail:	Zhubenduo@163.com
	Organization and Address:	Guangzhou Marine Geological Survey, China Geological Survey, No.188 Guanghai Rd., Huangpu District, Guangzhou, 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 Fuxingmengwai 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 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/
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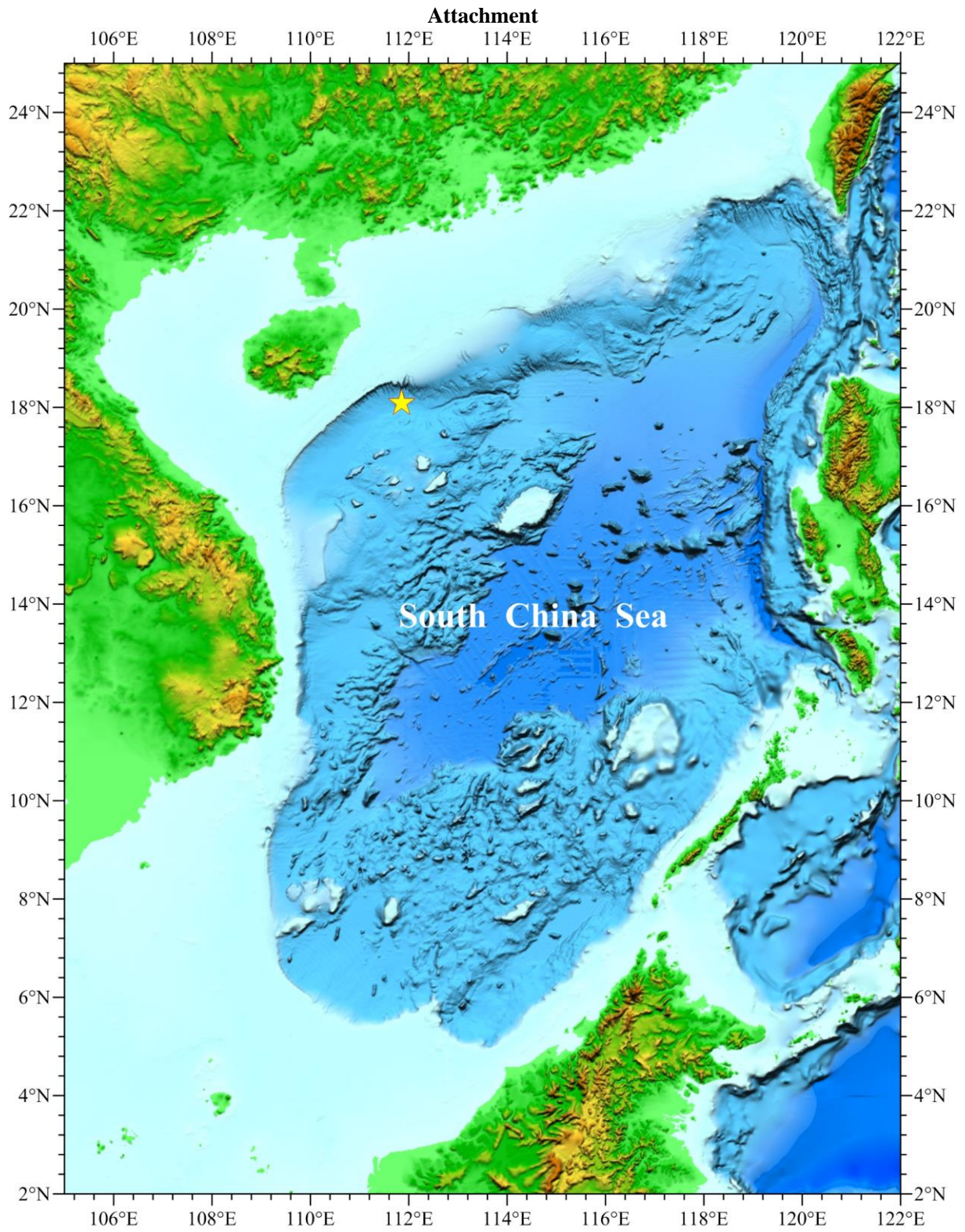


Fig.1 Index map showing the location of Wanhu Hills

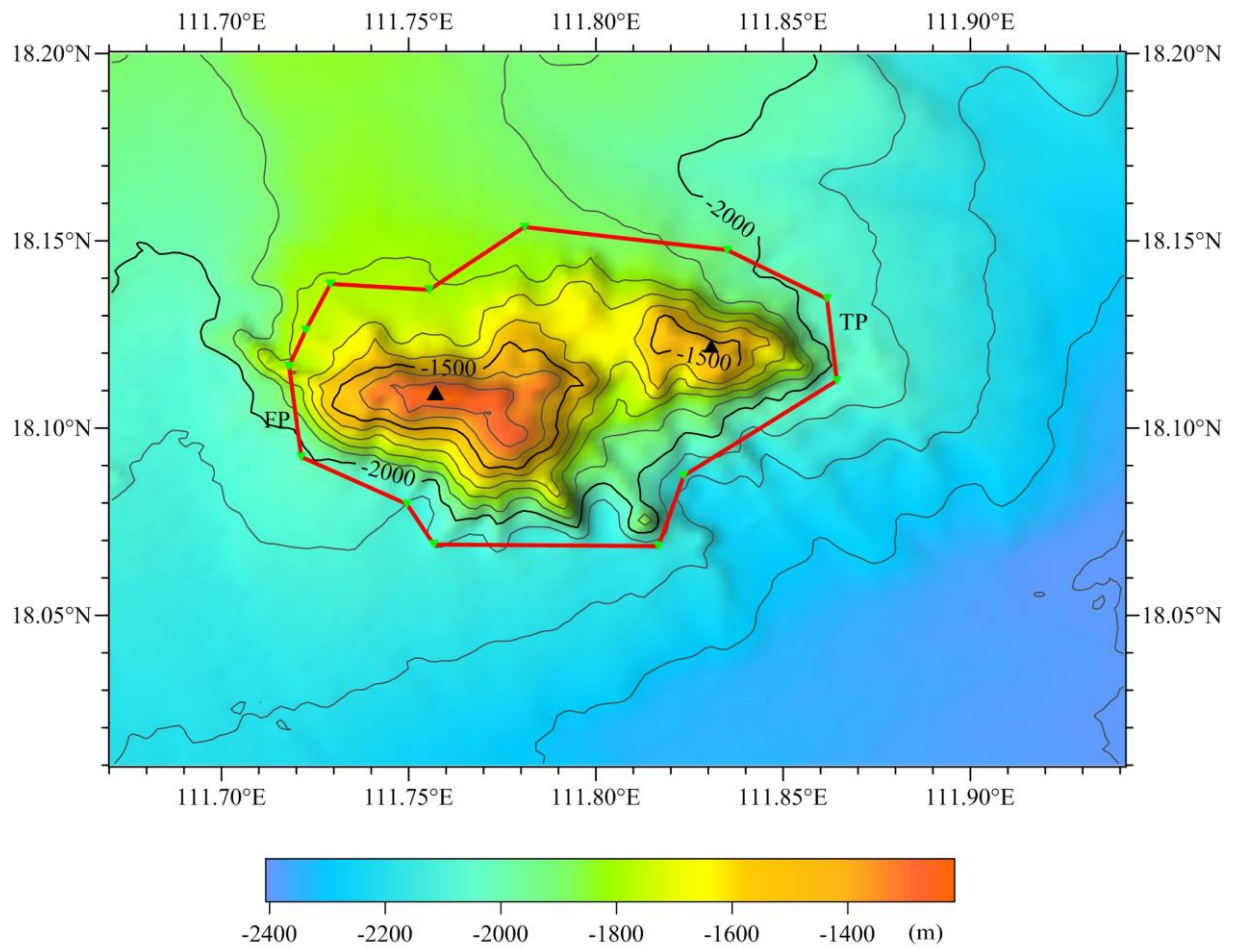


Fig.2 Bathymetric map of Wanhua Hills (Contours are in 100m)

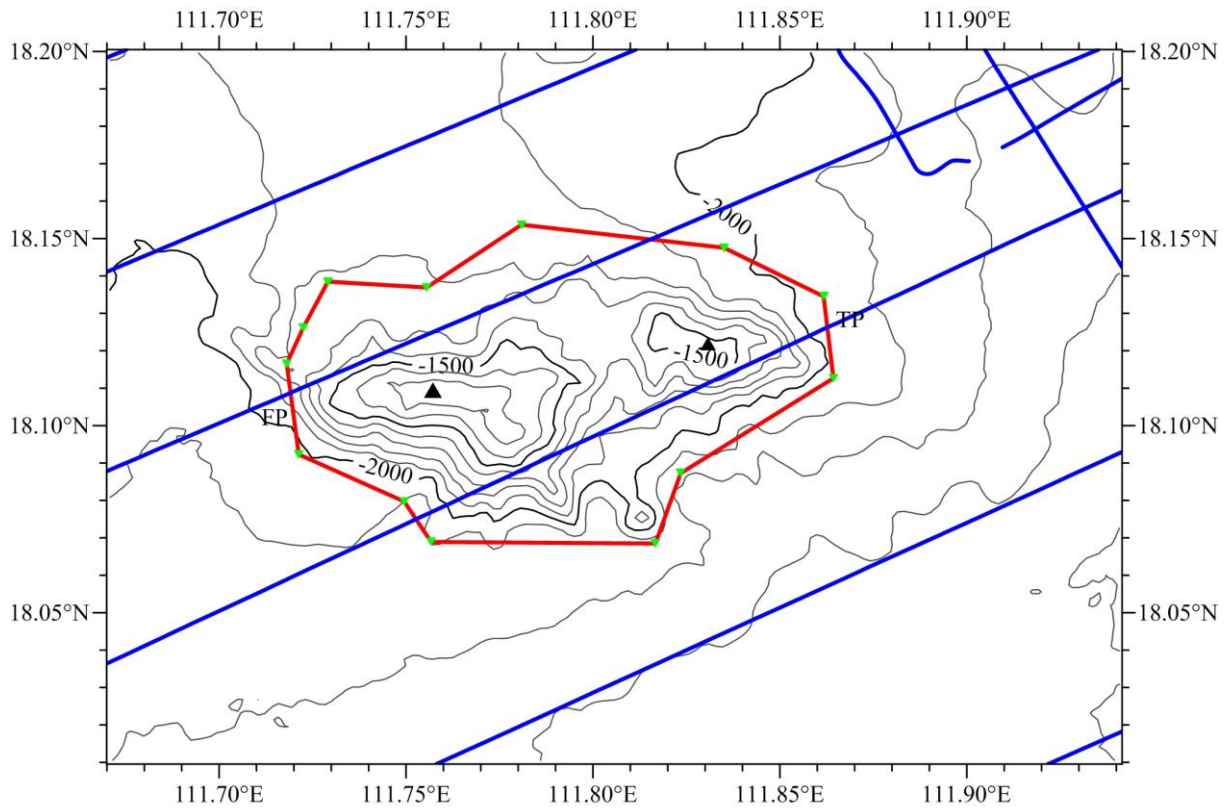


Fig.3 Bathymetric map of Wanhu Hills overlain with track lines (Contours are in 100m, blue lines for the track lines)

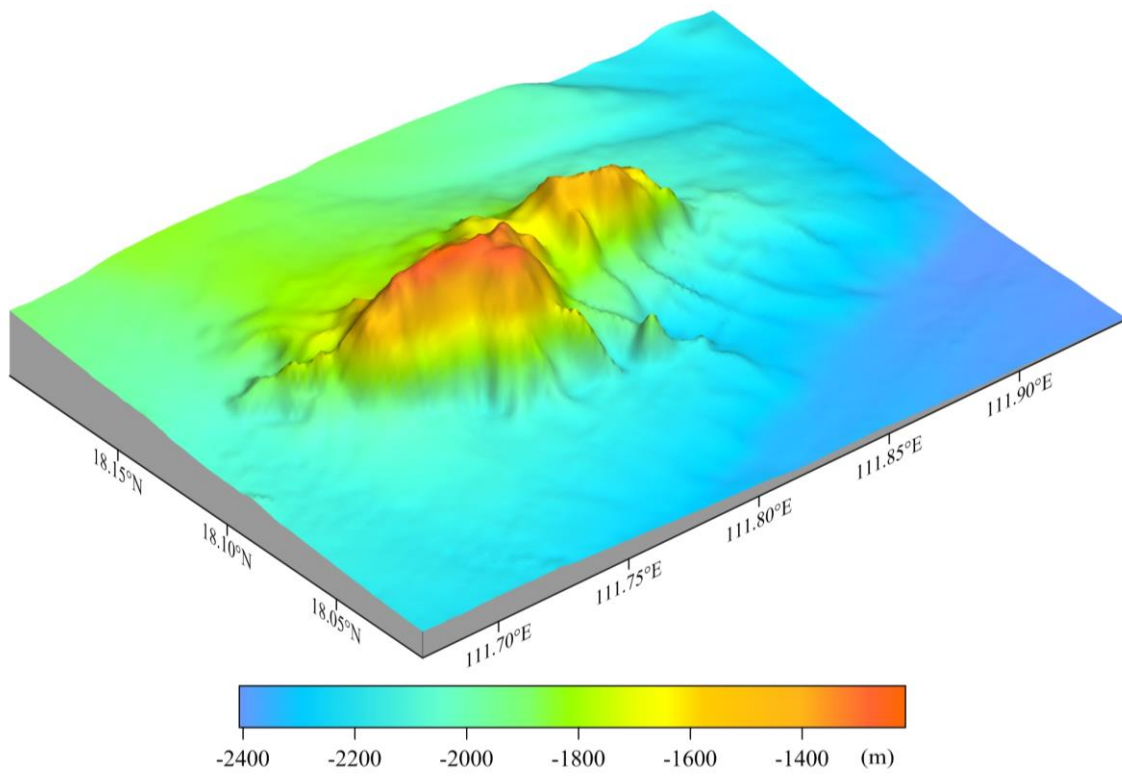


Fig.4 3-D bathymetric map of Wanhu Hills

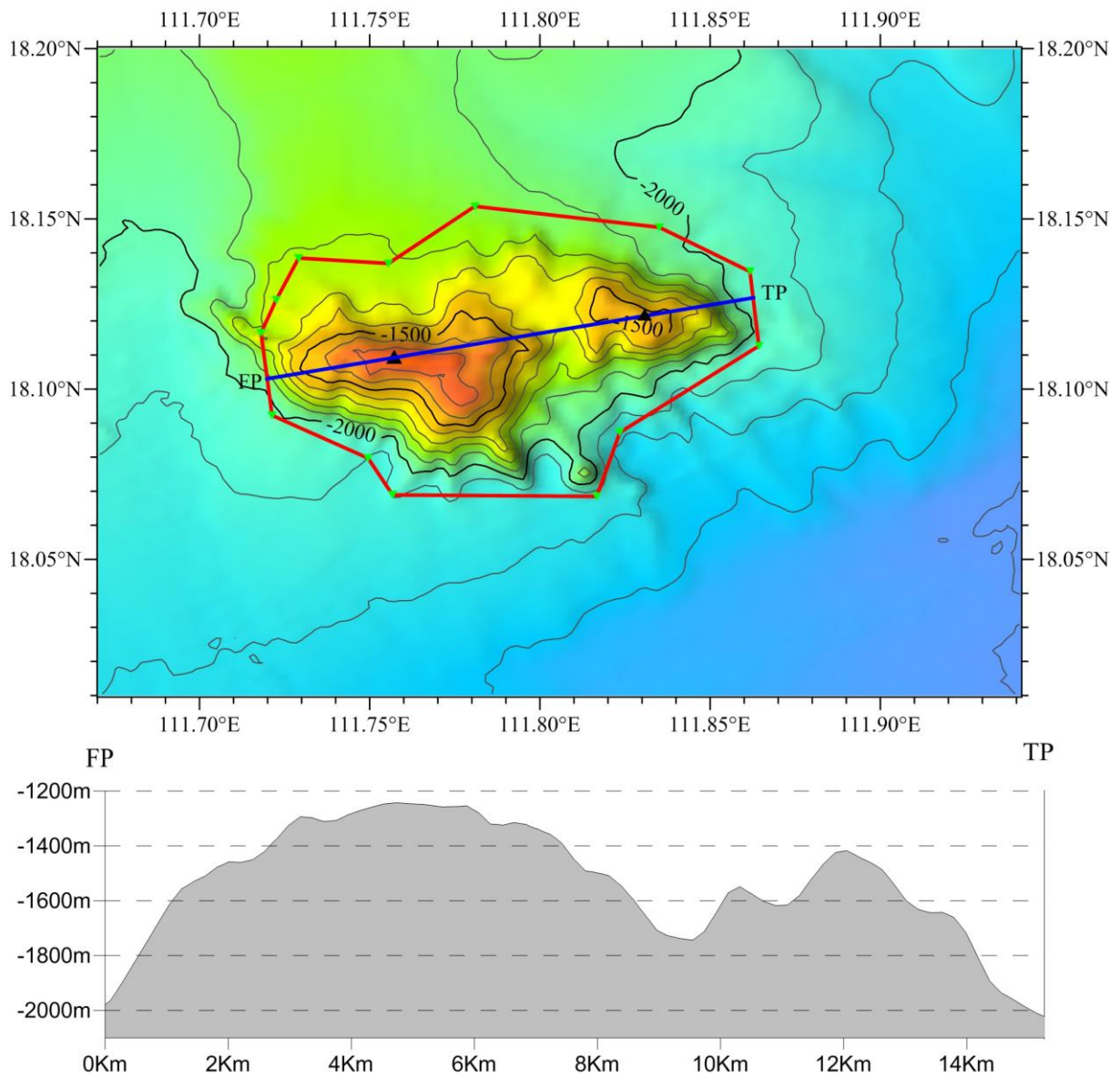


Fig.5 Profile map of Wanhua Hills