

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Wangheng Hill	Ocean or Sea:	the South China Sea
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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:	07°20.6'N (summit)	111°03.6'E (summit)
	07°17.2'N (bottom)	111°05.1'E (bottom)
	07°16.6'N	111°03.7'E
	07°17.1'N	111°02.2'E
	07°18.5'N	111°01.4'E
	07°20.8'N	111°01.4'E
	07°23.1'N	111°02.3'E
	07°23.7'N	111°03.4'E
	07°23.8'N	111°04.6'E
	07°22.8'N	111°06.3'E
	07°20.6'N	111°07.2'E
	07°18.6'N	111°06.8'E
	07°17.2'N	111°05.1'E

Feature Description:	Maximum Depth:	1961m	Steepness :	2°-12°
	Minimum Depth :	1267m	Shape :	Conical shape
	Total Relief :	694m	Dimension/Size :	13km × 10km

Associated Features:	Wangheng Hill lies in the south of the South China Sea. The shape of this hill is conic.
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Chart/Map References:	Shown Named on Map/Chart:	
	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):	Wang Heng (14 th -15 th century, the year of birth and death is unknown) was a navigator in Ming dynasty (1368-1644) of China. He conducted many voyages with Zheng He's fleet and passed by the South China Sea several times. The hill named after him is to commemorate his navigation activities.
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Discovery Facts:	Discovery Date:	2000
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	Date of Survey:	2000-2001
	Survey Ship:	R/V Haiyang Sihao

	Sounding Equipment:	Multi-beam sounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	<=0.08 nm
	Survey Track Spacing:	4.2nm
	Supporting material can be submitted as Annex in analog or digital form.	

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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
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Attachment

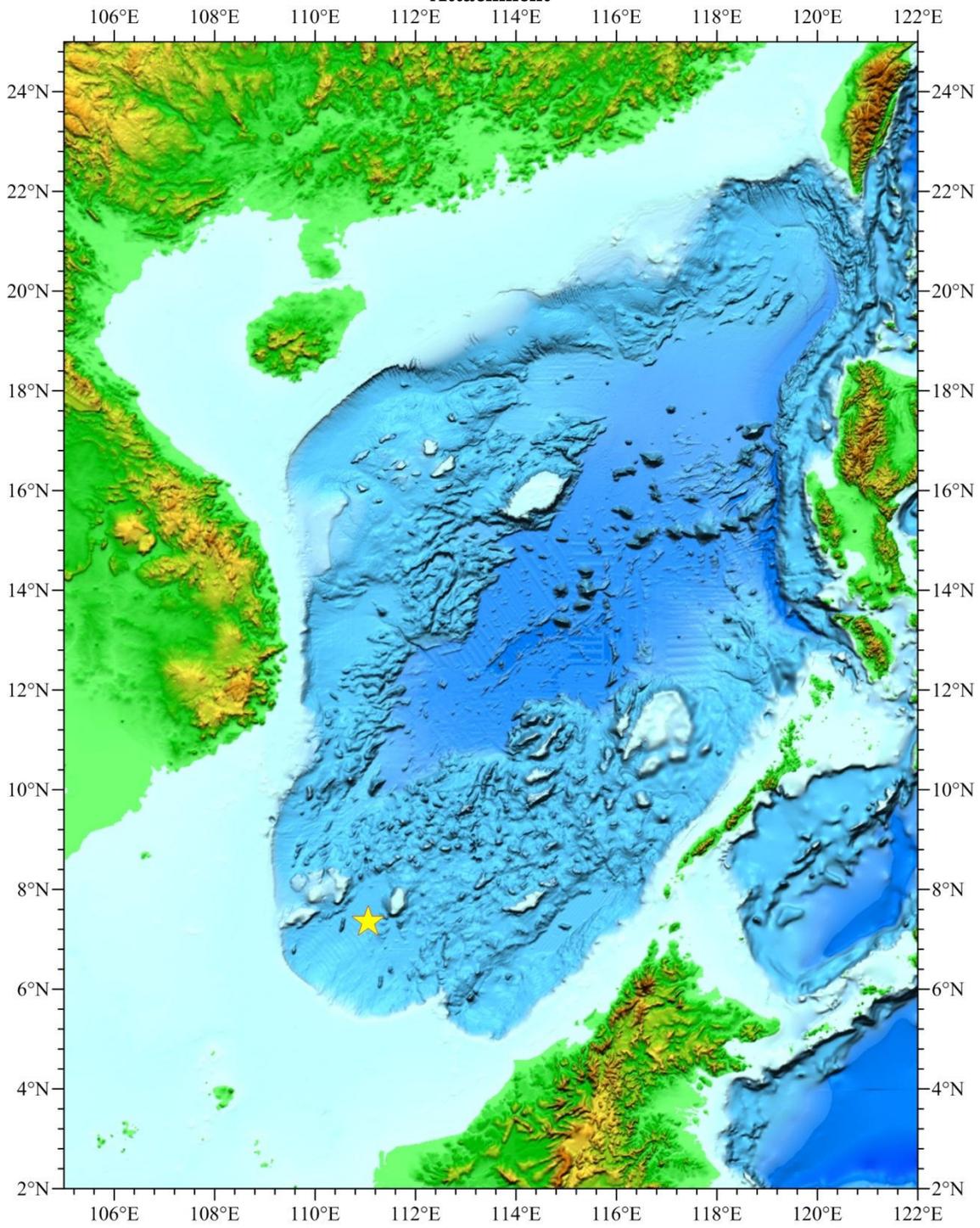
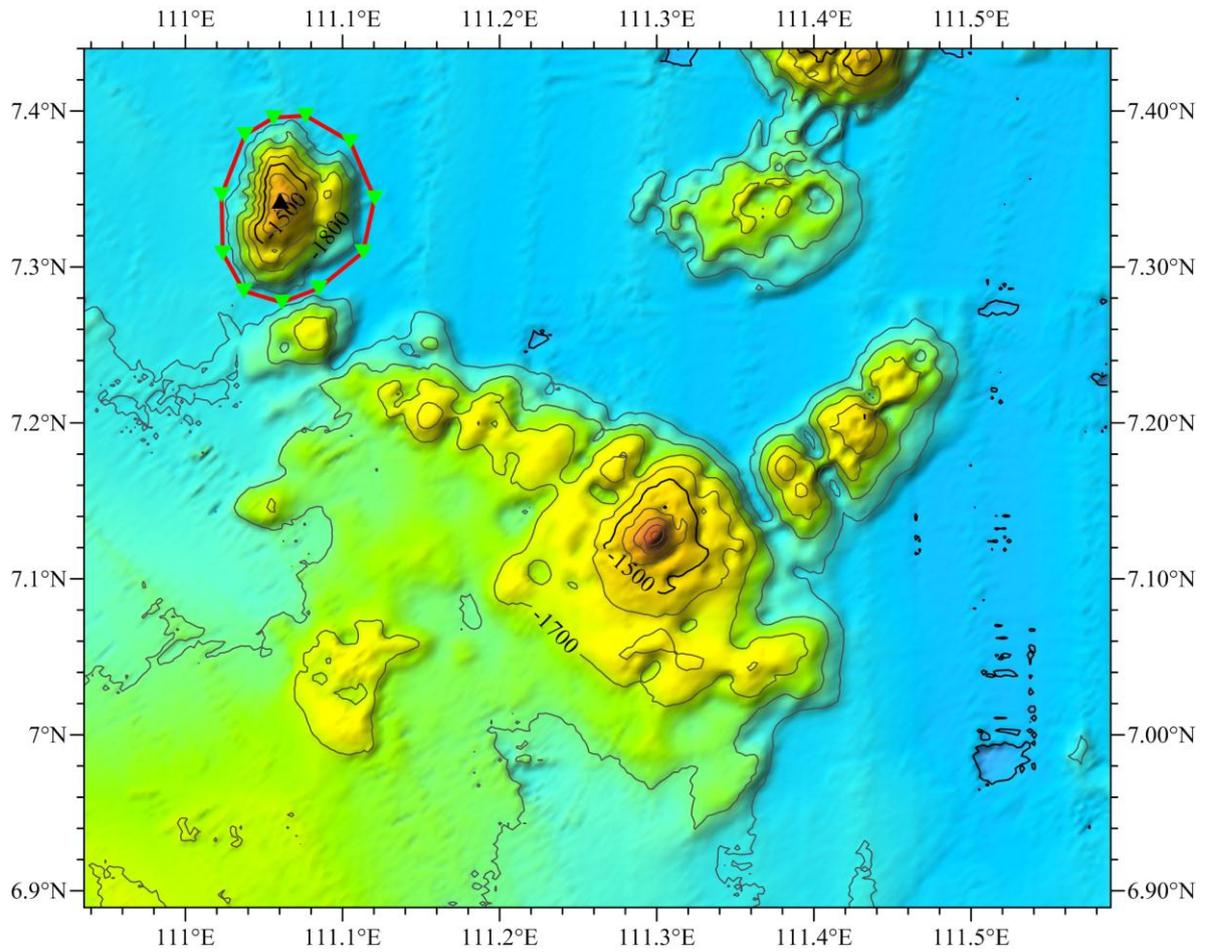


Fig.1 Index map showing the location of Wangheng Hill



-2000 -1900 -1800 -1700 -1600 -1500 -1400 -1300 -1200 -1100 (m)
Fig.2 Bathymetric map of Wangheng Hill (Contours are in 100 m)

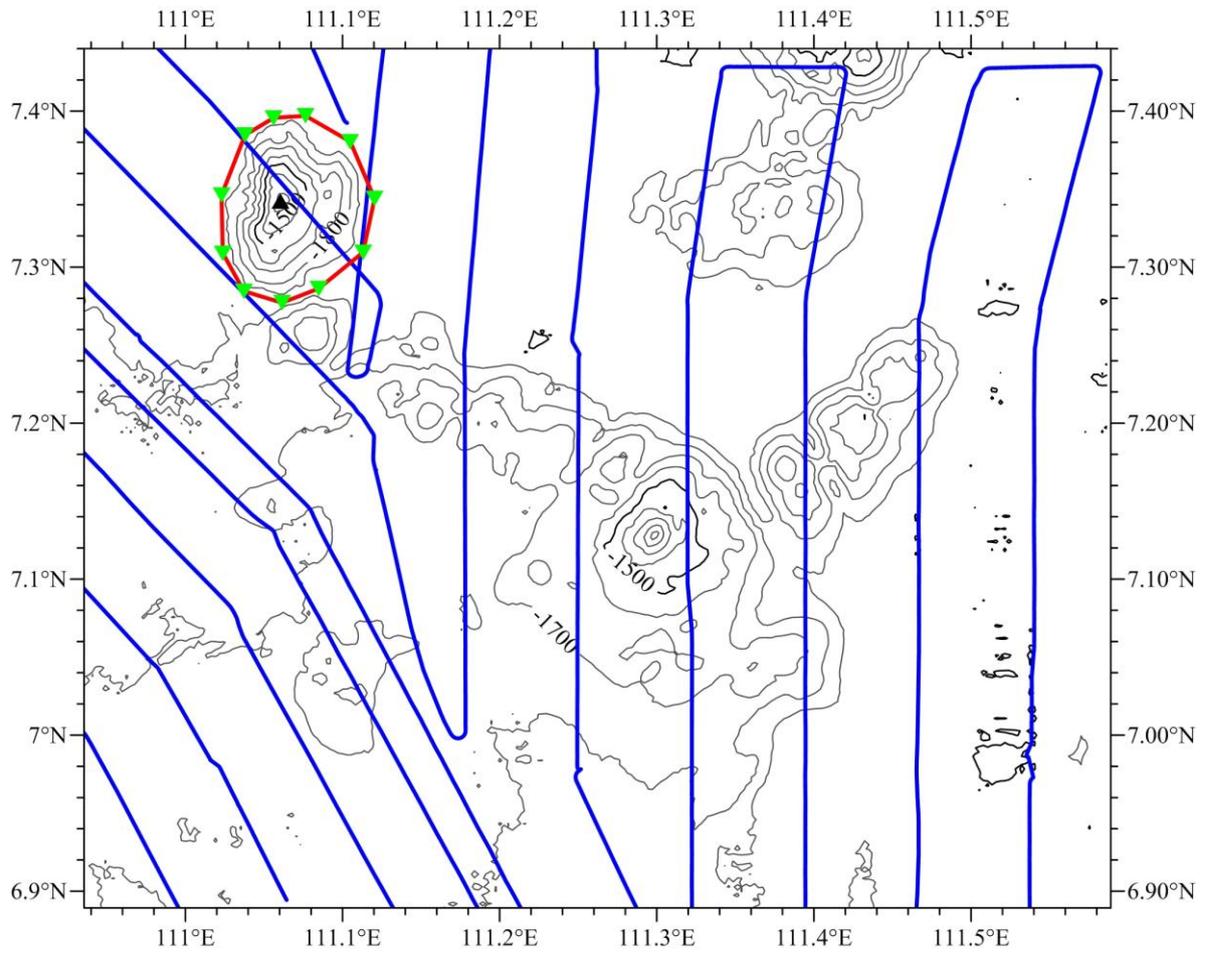


Fig.3 Bathymetric map of Wangheng Hill overlain with track lines
(Contours are in 100 m, blue lines for the track lines)

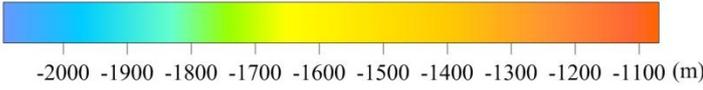
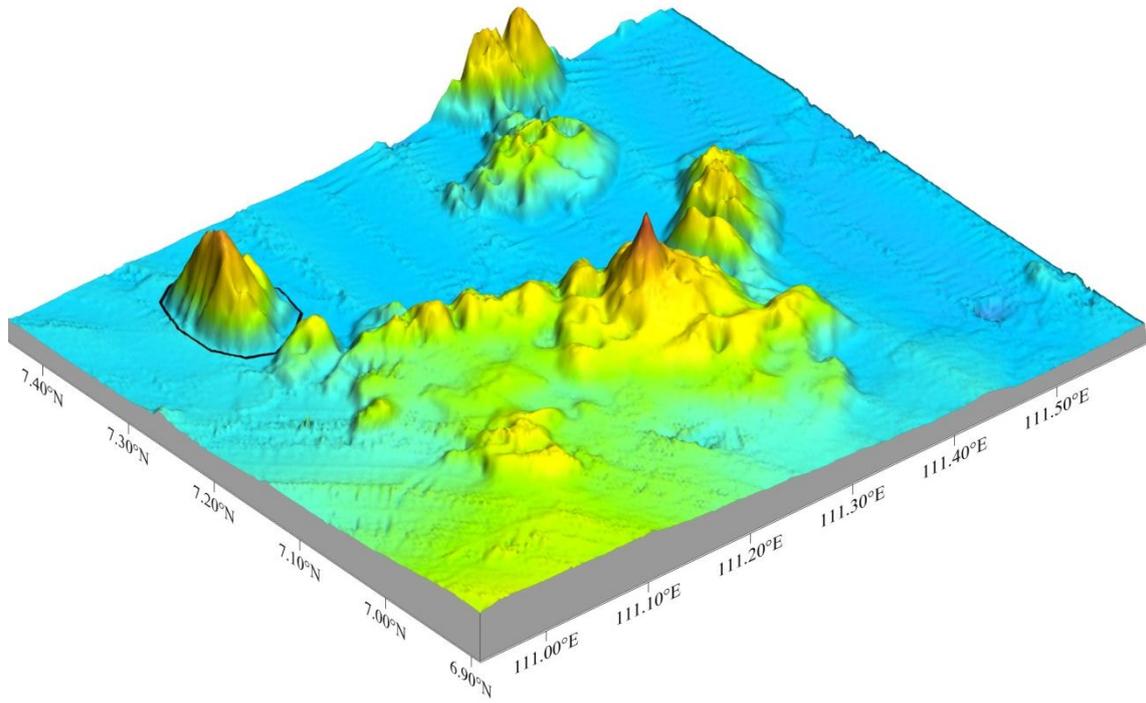


Fig.4 3-D bathymetric map of Wangheng Hill

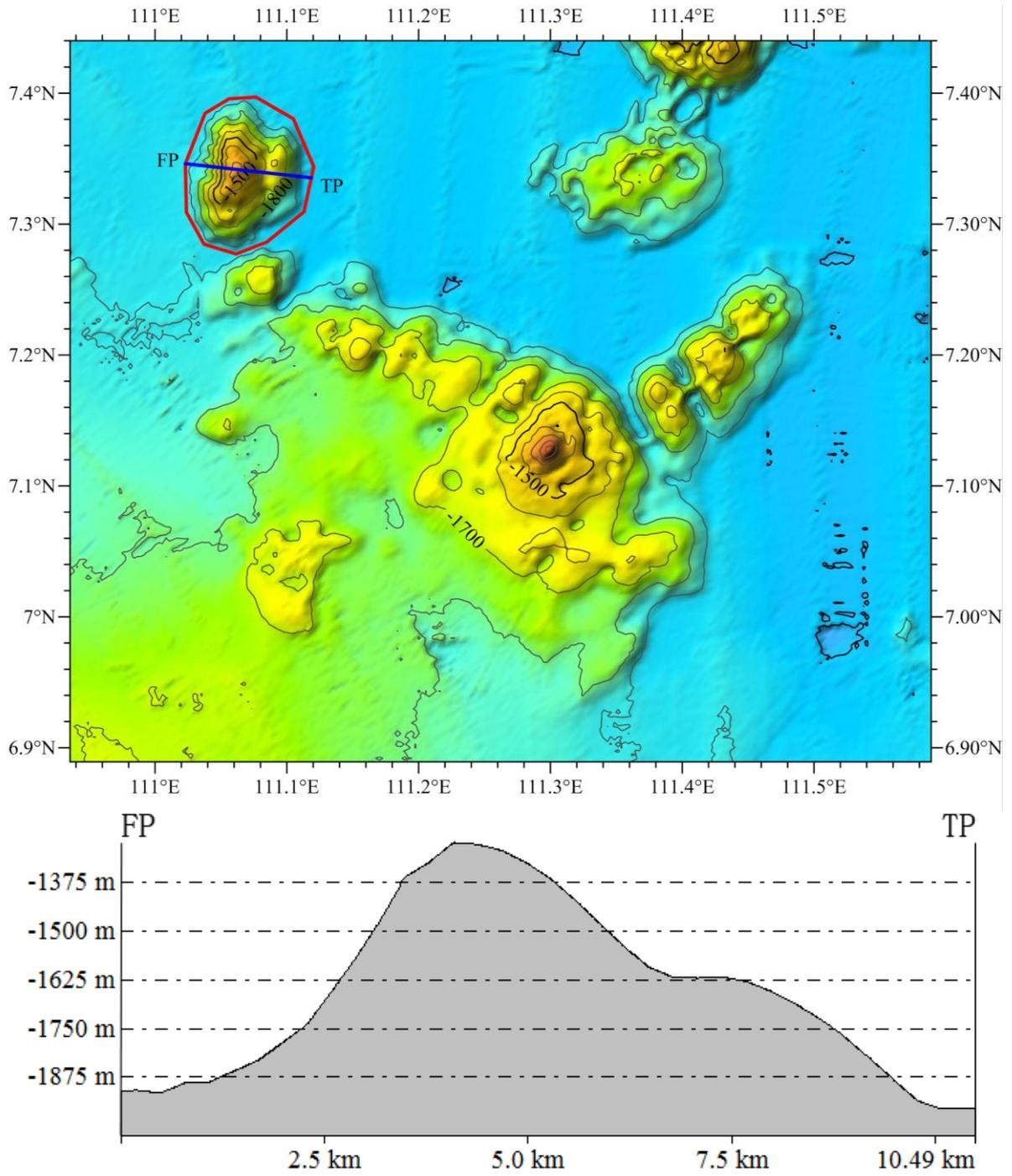


Fig.5 Profile map of Wangheng Hill