

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Yuetan Knoll	Ocean or Sea:	Northwest Pacific Ocean
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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.

Coordinates:	Lat. (e.g. 63° 32.6' N)	Long. (e.g. 046° 21.3' W)
	21° 11.7' N	127°55.7'E
	21° 5.3' N	127°57.3'E
	21° 0.5' N	127°60.0'E
	20° 56.4' N	128°3.7'E
	20° 53.0' N	128°7.3'E
	20° 49.5' N	128°12.4'E
	20° 46.3' N	128°18.5'E
	20° 43.0' N	128°24.9'E
	20° 41.1' N	128°32.3'E
20° 38.6' N	128°39.3'E	

Feature Description:	Maximum Depth:	4850m	Steepness :	
	Minimum Depth :	4050m	Shape :	
	Total Relief :	800m	Dimension/Size :	112km×30km

Associated Features:	On the south of Qingyuan Seamounts and Ruiyun Seamount, Northwest of Risheng Guyot, and south of Ritan knoll, which China proposed this year.
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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):	Ri Yue Lake is a famous scenic area in Taiwan, China, divided into northern part and southern part .The northern lake shapes like sun, called Sun Lake, whereas the southern lake shapes like a half-moon, called Moon Lake. The main part of the feature shapes like a half-moon, thus we name it Yuetan Knoll after the Moon Lake in Chinese Language.
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Discovery Facts:	Discovery Date:	Oct. 2004
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	Discoverer (Individual, Ship):	R/V Dayang Yihao
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Supporting Survey Data, including Track Controls:	Date of Survey:	Oct. 2004
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Multi-beam sounding system (EM120)
	Type of Navigation:	SEASTAR 3100LRS WAD DGPS
	Estimated Horizontal Accuracy (nm):	0.0054nm higher
	Survey Track Spacing:	3nm
	Supporting material can be submitted as Annex in analog or digital form: See Attachments	

Proposer(s):	Name(s):	Zhanhai ZHANG
	Date:	22 Sept. 2012
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	Organization and Address:	State Oceanic Administration, China No.1 Fuxingmenwai Ave. Beijing
	Concurren (name, e-mail, organization and address):	

Remarks:	
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Attachments:

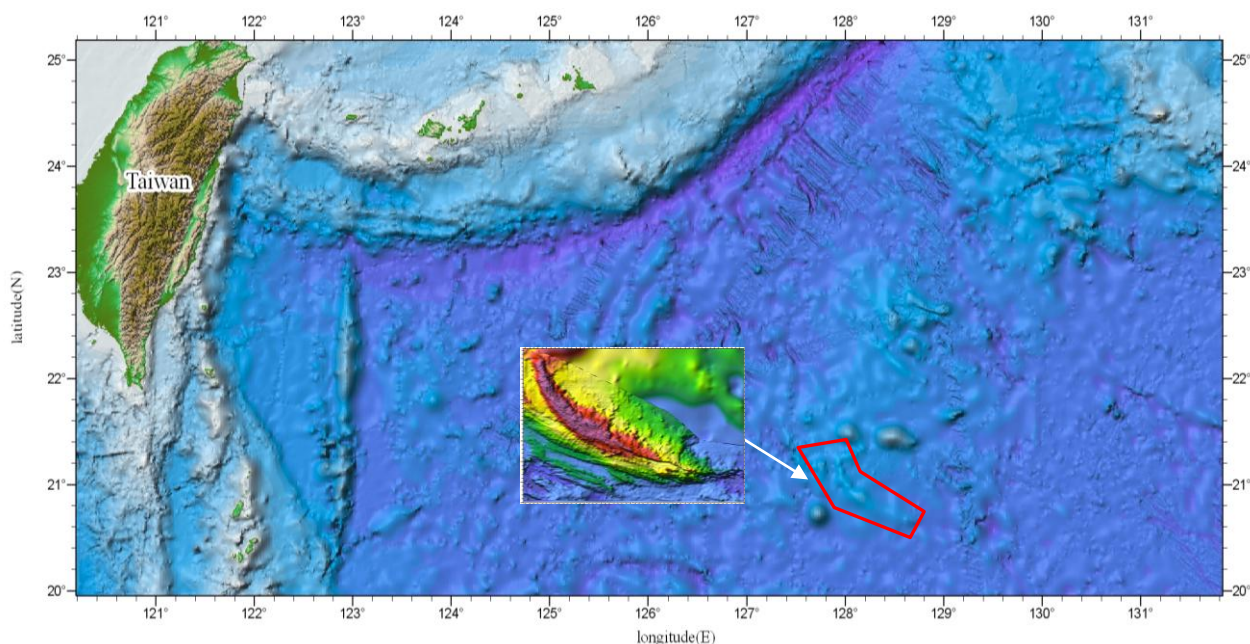


Fig.1. Index map showing the location of Yuetan Knoll

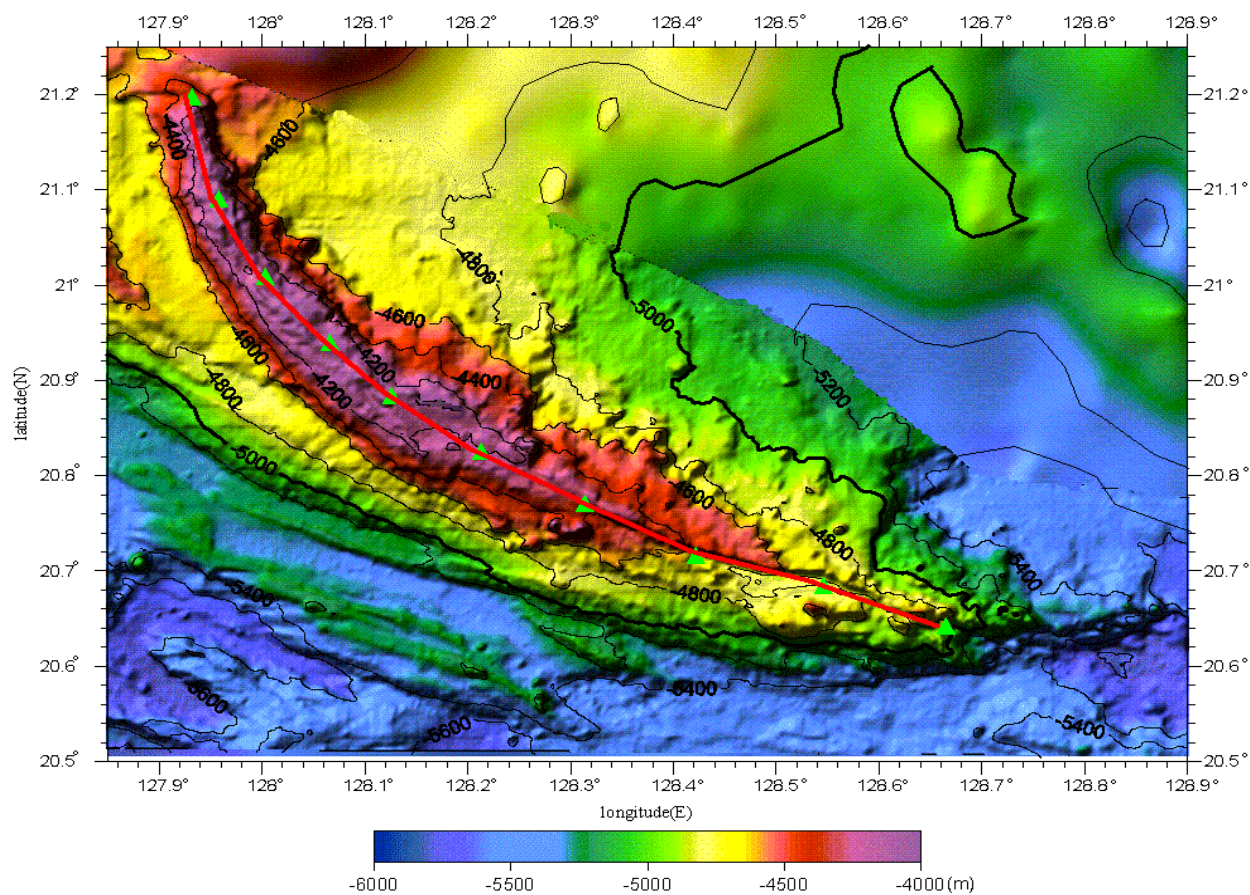


Fig.2. Bathymetric map of Yuetan Knoll. Contours are in 200 m

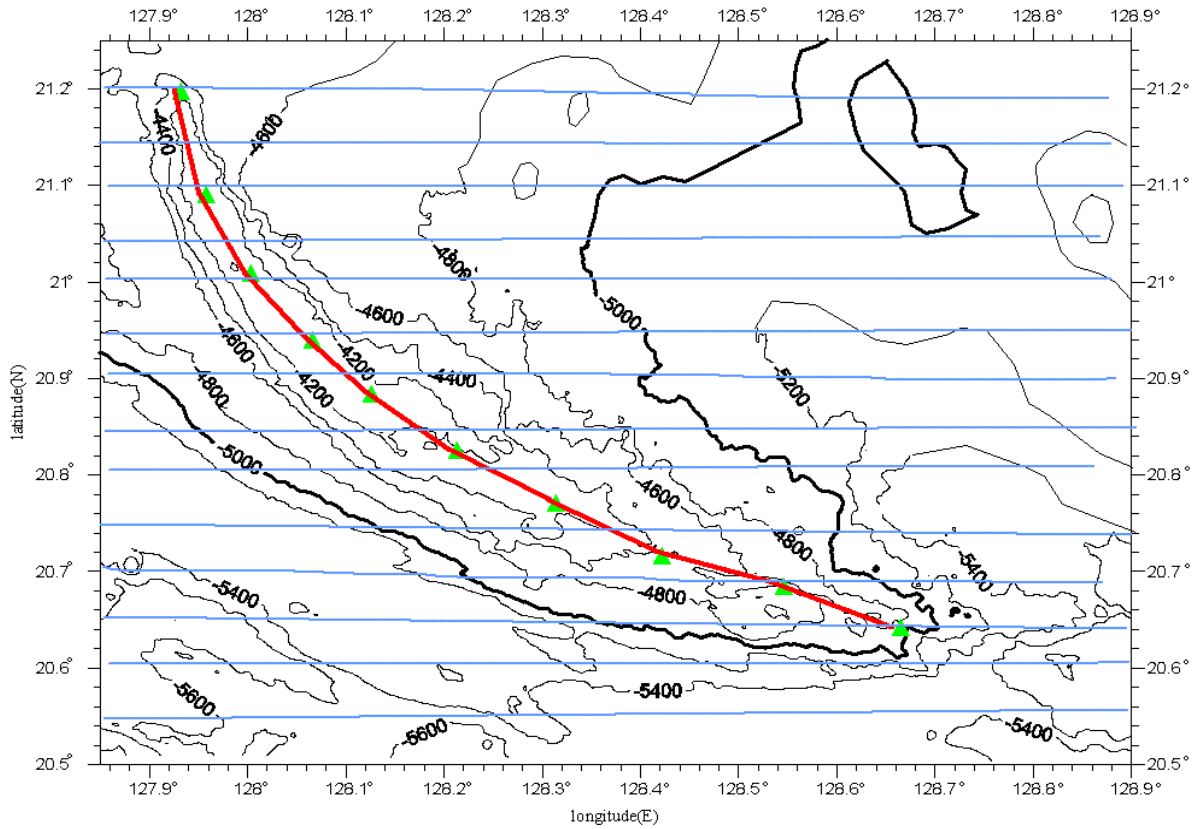


Fig.3. Bathymetric map of Yuetan Knoll, showing track lines. Contours are in 200 m

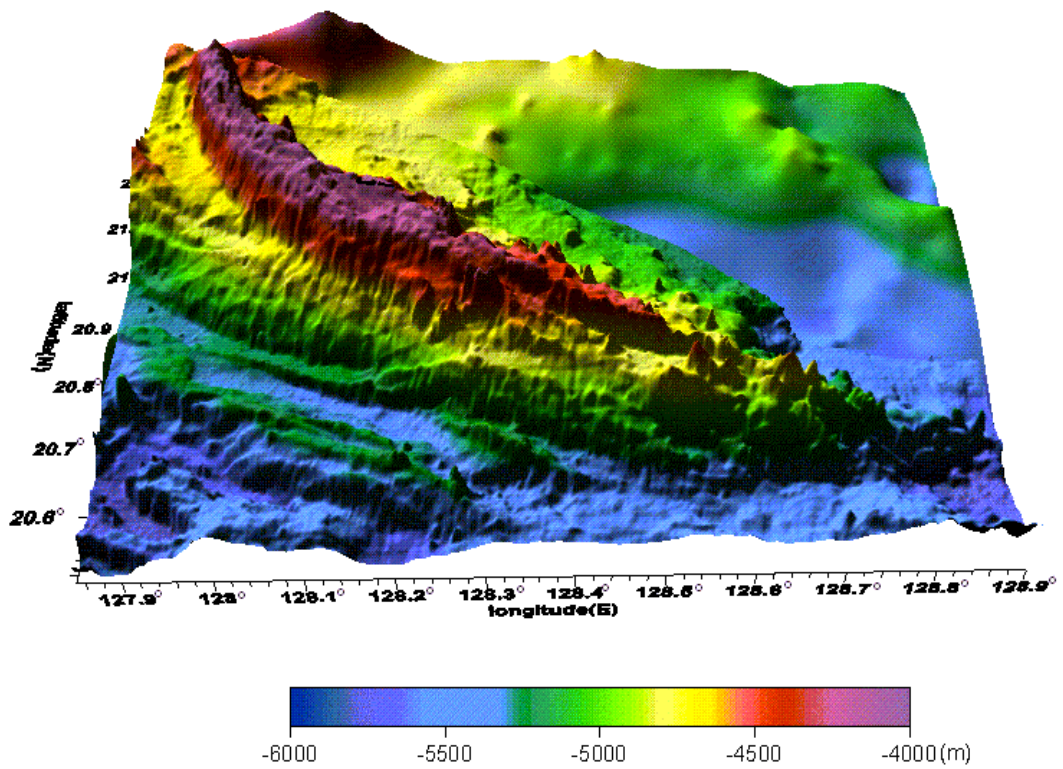


Fig.4. 3-D bathymetric map of Yuetan Knoll

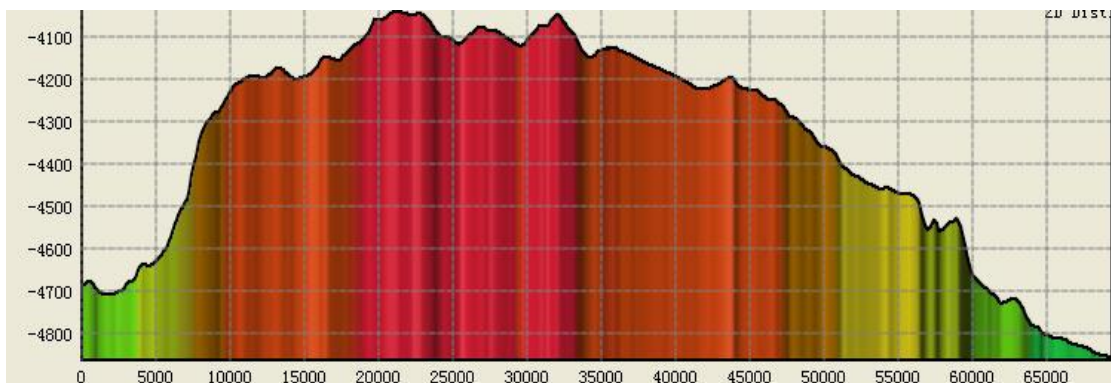
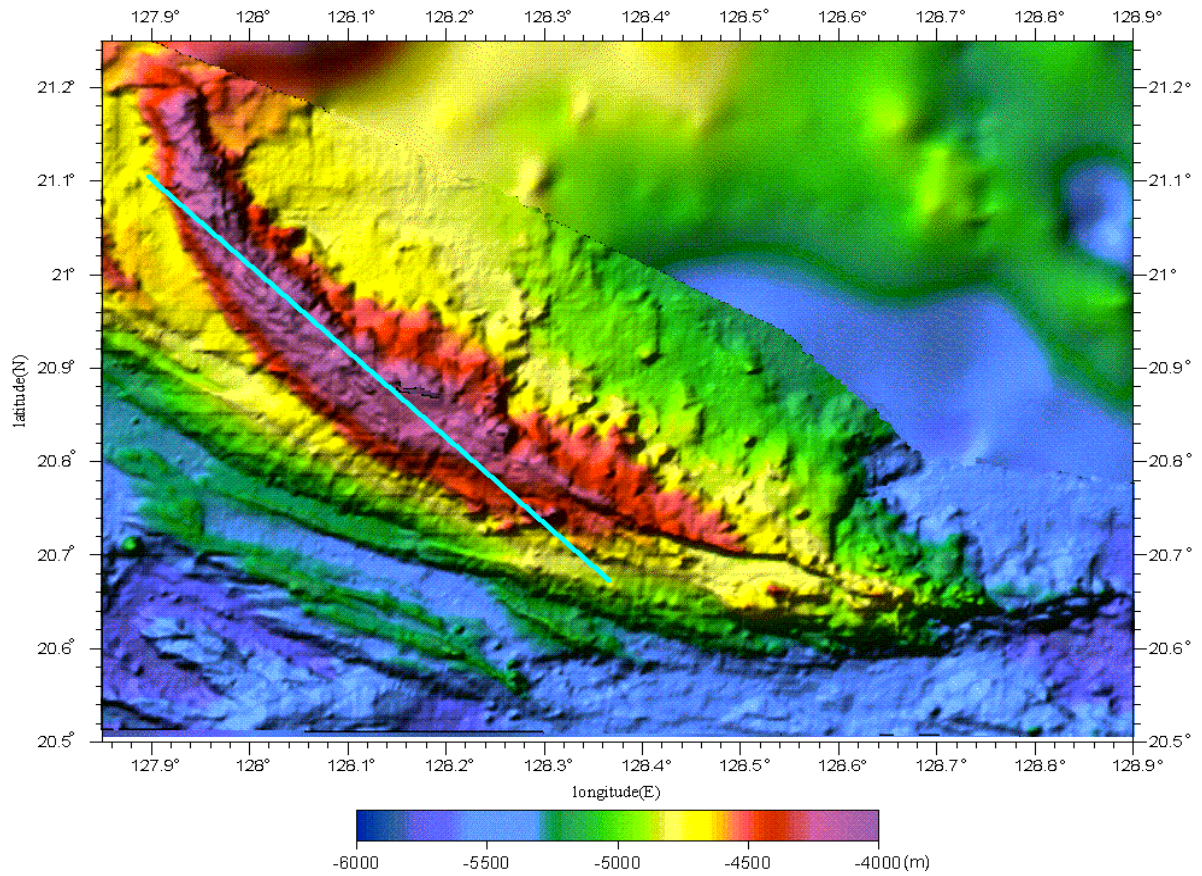


Fig.5. Profiles bathymetric map of Yuetan Knoll