

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	<b>Ritan Knoll</b>	<b>Ocean or Sea:</b>	<b>Northwest Pacific Ocean</b>
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<b>Geometry that best defines the feature (Yes/No) :</b>						
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)
	<b>Coordinates:</b>	21°9.4'N (Summit)
	21°14.3'N	127°46.7'E
	21°12.3'N	127°48.8'E
	21°9.2'N	127°47.5'E
	21°7.5'N	127°48.7'E
	21°4.4'N	127°50.2'E
	21°0.2'N	127°51.8'E
	21°2.1'N	127°48.5'E
	21°2.5'N	127°45.5'E
	21°2.8'N	127°42.4'E
	21°5.8'N	127°43.0'E
	21°8.7'N	127°42.8'E
	21°9.4'N	127°40.2'E
	21°10.9'N	127°38.1'E
	21°12.0'N	127°39.7'E
	21°12.5'N	127°42.4'E
	21°13.4'N	127°45.1'E

<b>Feature Description:</b>	Maximum Depth:	4500m	Steepness :	
	Minimum Depth :	3808m	Shape :	
	Total Relief :	692m	Dimension/Size :	13km×15km

<b>Associated Features:</b>	On the south of Qingyuan Seamounts and Ruiyun Seamount, northeast of Risheng Guyot and north of Yuetan knoll, which China proposed this year.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with	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
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the feature to be named):	Sun Lake, whereas the southern lake shapes like a half-moon, called as Moon Lake. The main part of the feature shapes like a sun, thus we name it Ritan Knoll after the Sun Lake in Chinese Language.
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<b>Discovery Facts:</b>	Discovery Date:	Oct. 2004
	Discoverer (Individual, Ship):	R/V Dayang Yihao

<b>Supporting Survey Data, including Track Controls:</b>	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	

<b>Proposer(s):</b>	Name(s):	Zhanhai ZHANG
	Date:	22 Sept. 2012
	E-mail:	heyunxu@hotmail.com
	Organization and Address:	State Oceanic Administration, China No.1 Fuxingmenwai Ave. Beijing

<b>Remarks:</b>	
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Attachments:

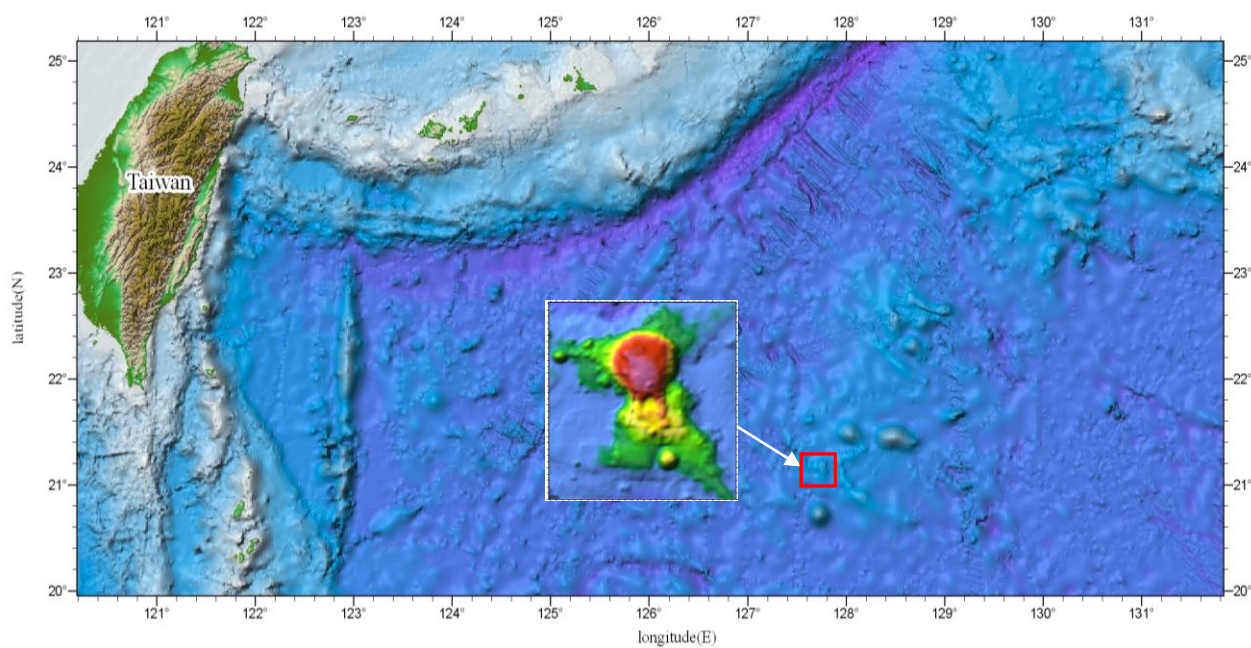


Fig.1. Index map showing the location of Ritan Knoll

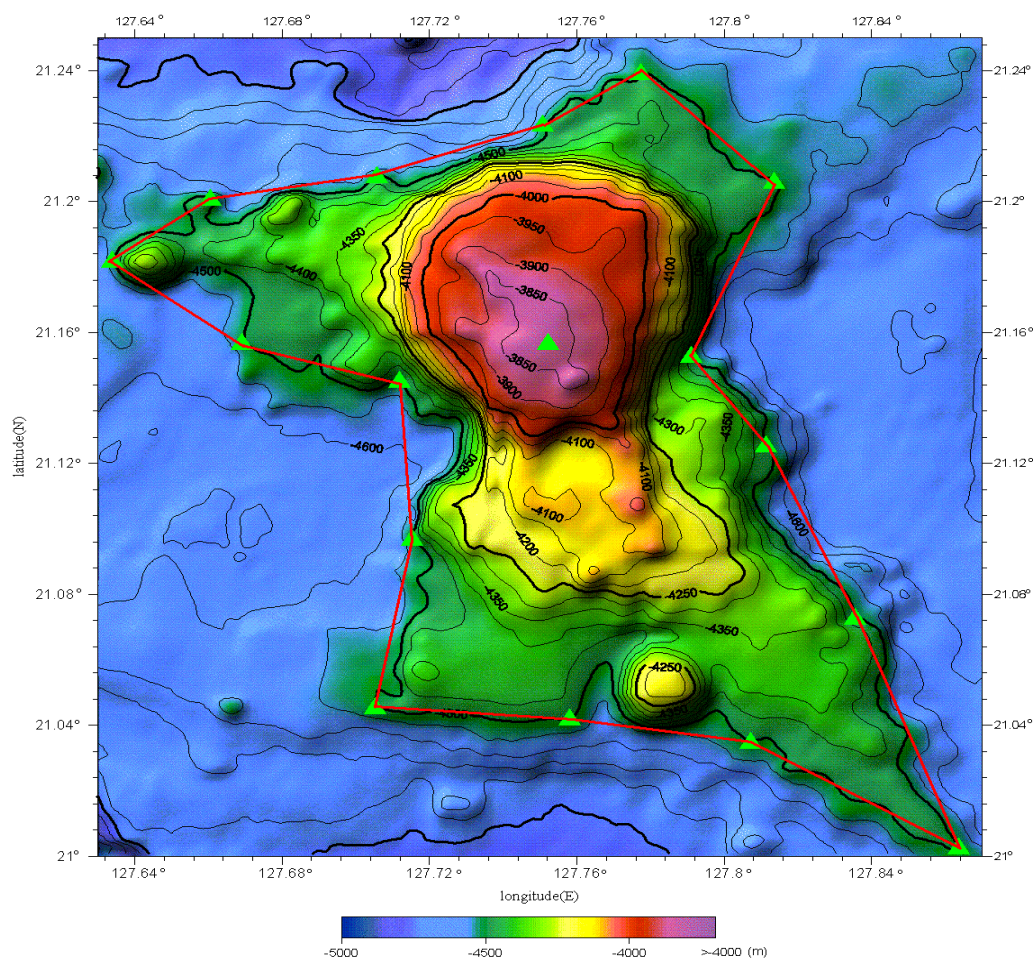


Fig.2. Bathymetric map of Ritan Knoll. Contours are in 50 m

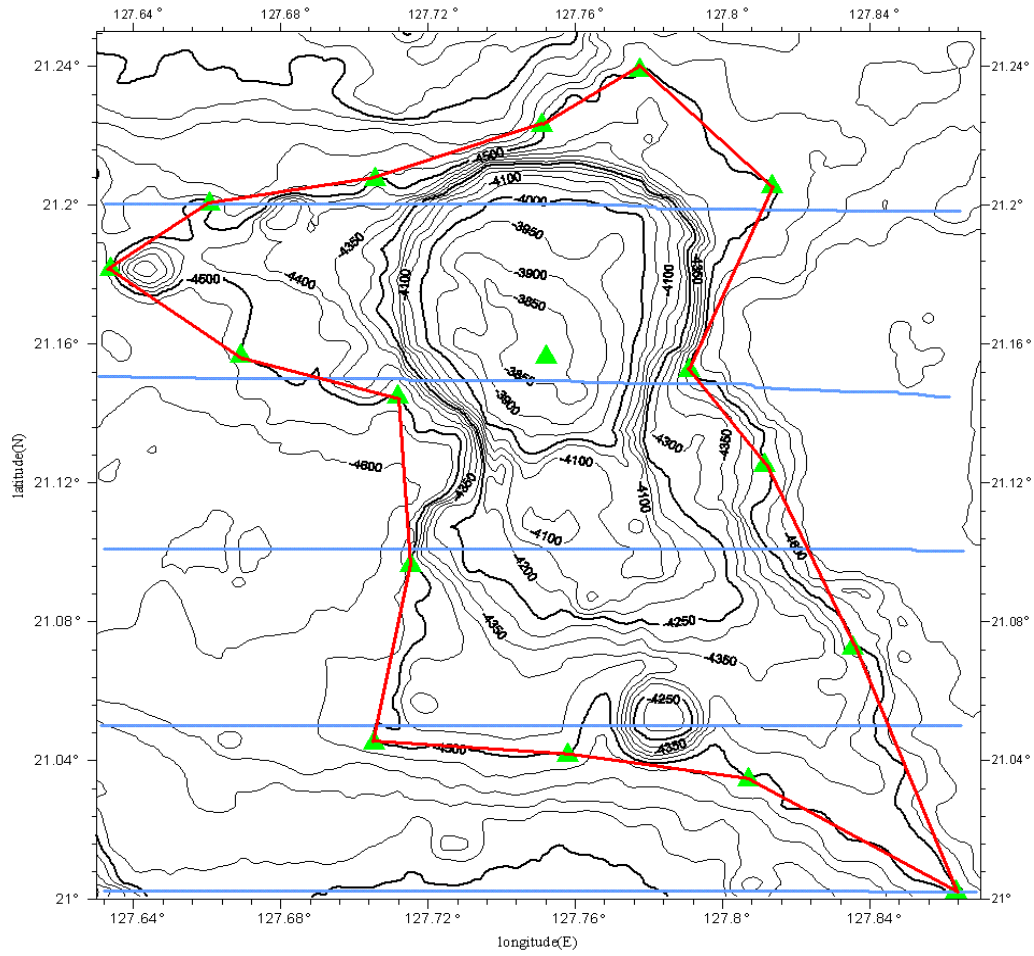


Fig.3. Bathymetric map of Ritan Knoll, showing track lines. Contours are in 50 m

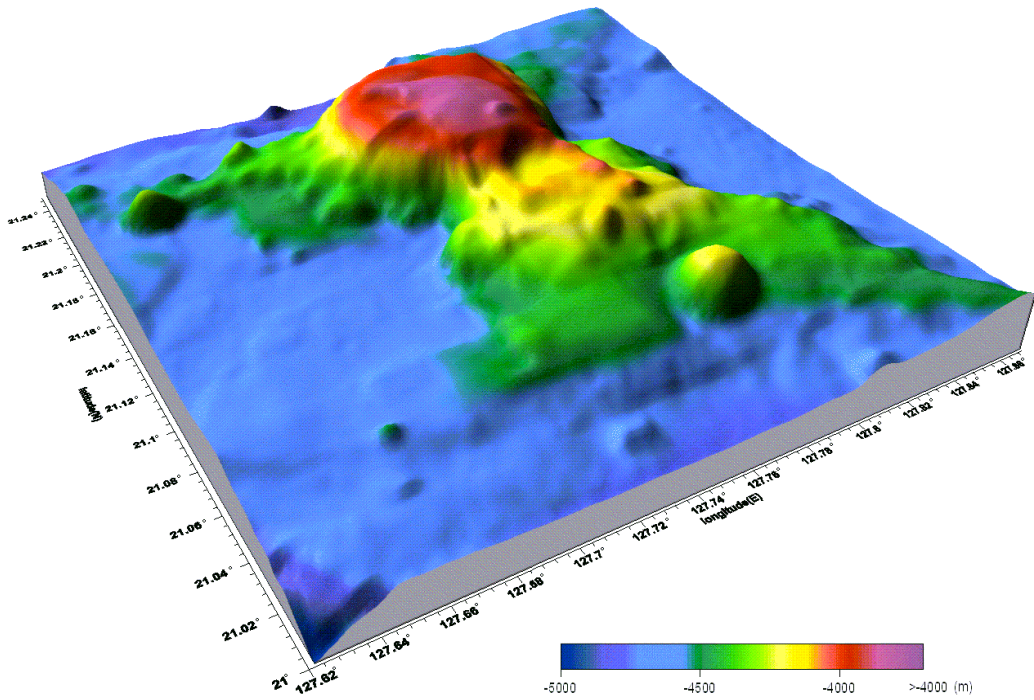


Fig.4. 3-D bathymetric map of Ritan Knoll



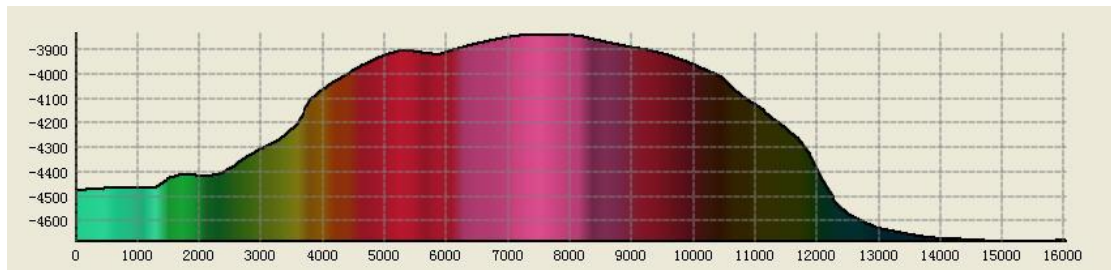
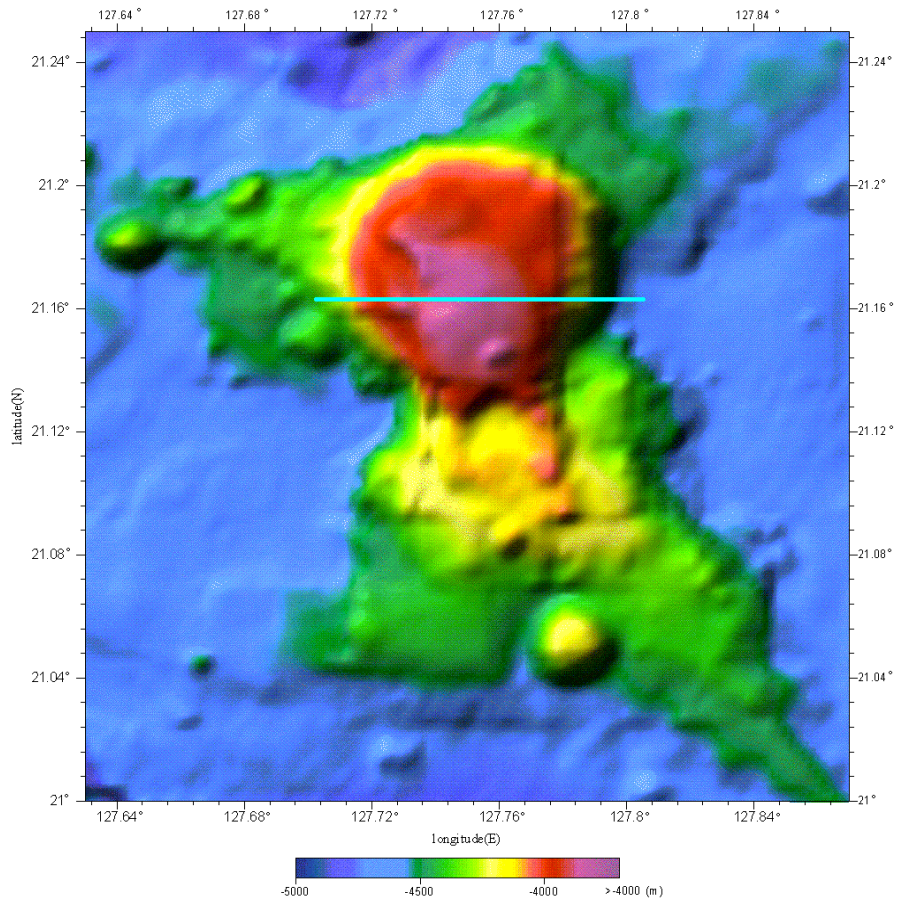


Fig.5. Profiles bathymetric map of Ritan Knoll