

INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	Ruiyun Seamount	<b>Ocean or Sea:</b>	Northwest Pacific Ocean
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<b>Geometry</b> 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)
<b>Coordinates:</b>	21°28.6'N (Summit)	128°1.6'E (Summit)
	21°29.6'N	127°54.1'E
	21°33.1'N	127°54.4'E
	21°33.0'N	127°59.6'E
	21°32.3'N	128°3.4'E
	21°30.5'N	128°7.3'E
	21°28.6'N	128°11.5'E
	21°25.2'N	128°11.7'E
	21°23.5'N	128°7.3'E
	21°23.5'N	128°1.7'E
21°26.6'N	127°56.9'E	

<b>Feature Description:</b>	Maximum Depth:	4500m	Steepness :	
	Minimum Depth :	1838m	Shape :	
	Total Relief :	2662m	Dimension/Size :	33km × 17km

<b>Associated Features:</b>	On the west of Qingyuan Seamounts, 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 the feature to be named):	The word "Ruiyun" comes from Mount Ruiyun, a famous scenic area located in the west of Mount Qingyuan, in the central Fujian Province of China. The word "Ruiyun" means auspicious clouds in Chinese traditional culture implying luck and peace.
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<b>Discovery Facts:</b>	Discovery Date:	Oct. 2004
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	Discoverer (Individual, Ship):	R/V Dayang Yihao
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<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:

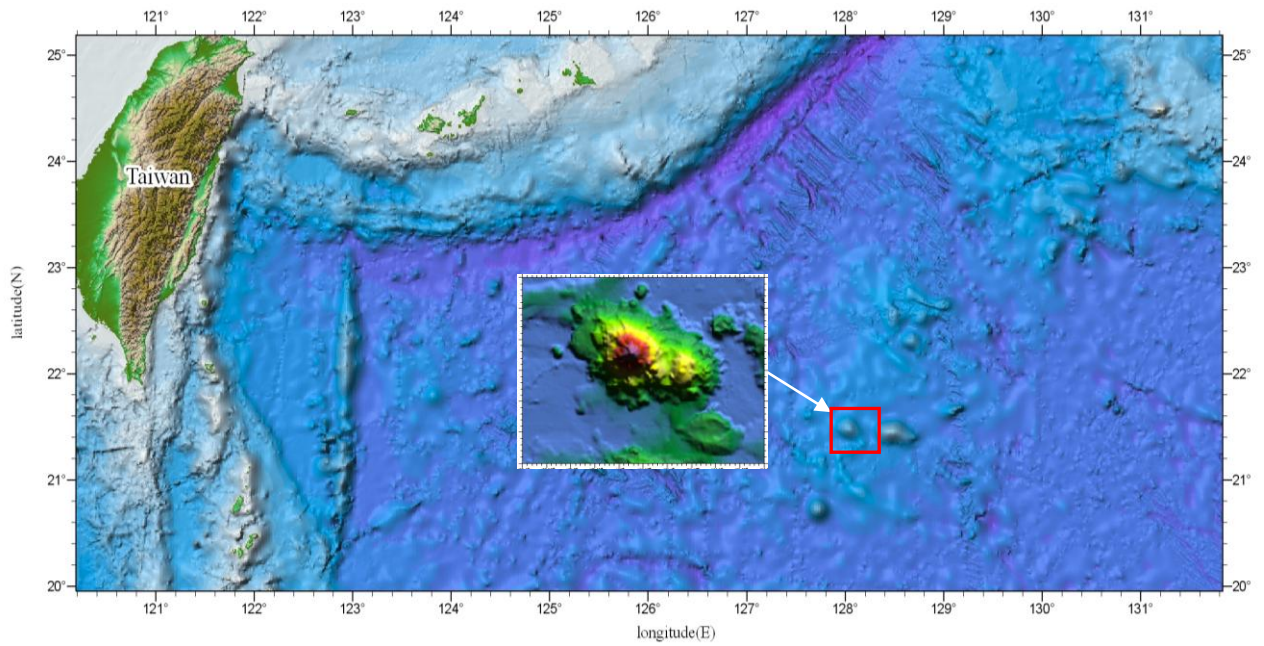


Fig.1. Index map showing the location of Ruiyun Seamount

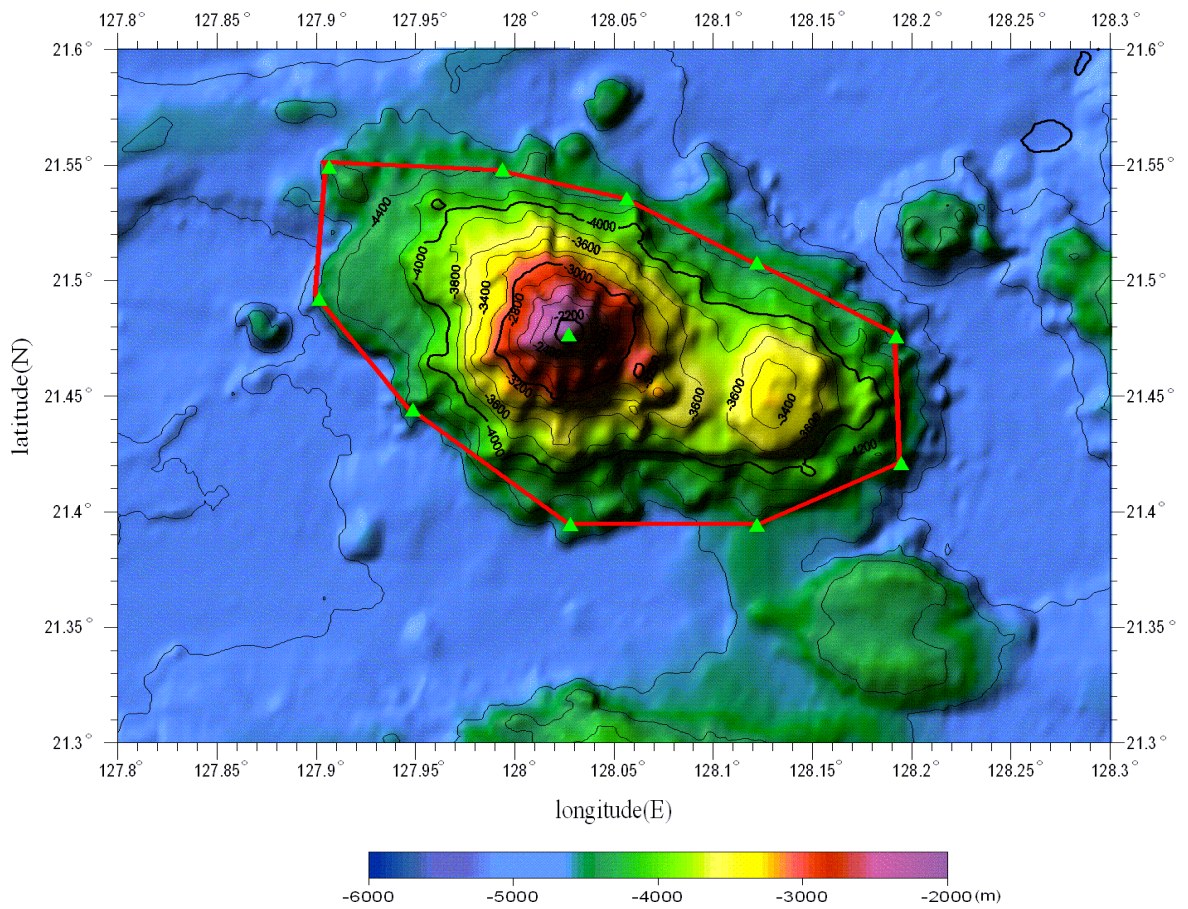


Fig.2. Bathymetric map of Ruiyun Seamount. Contours are in 200 m

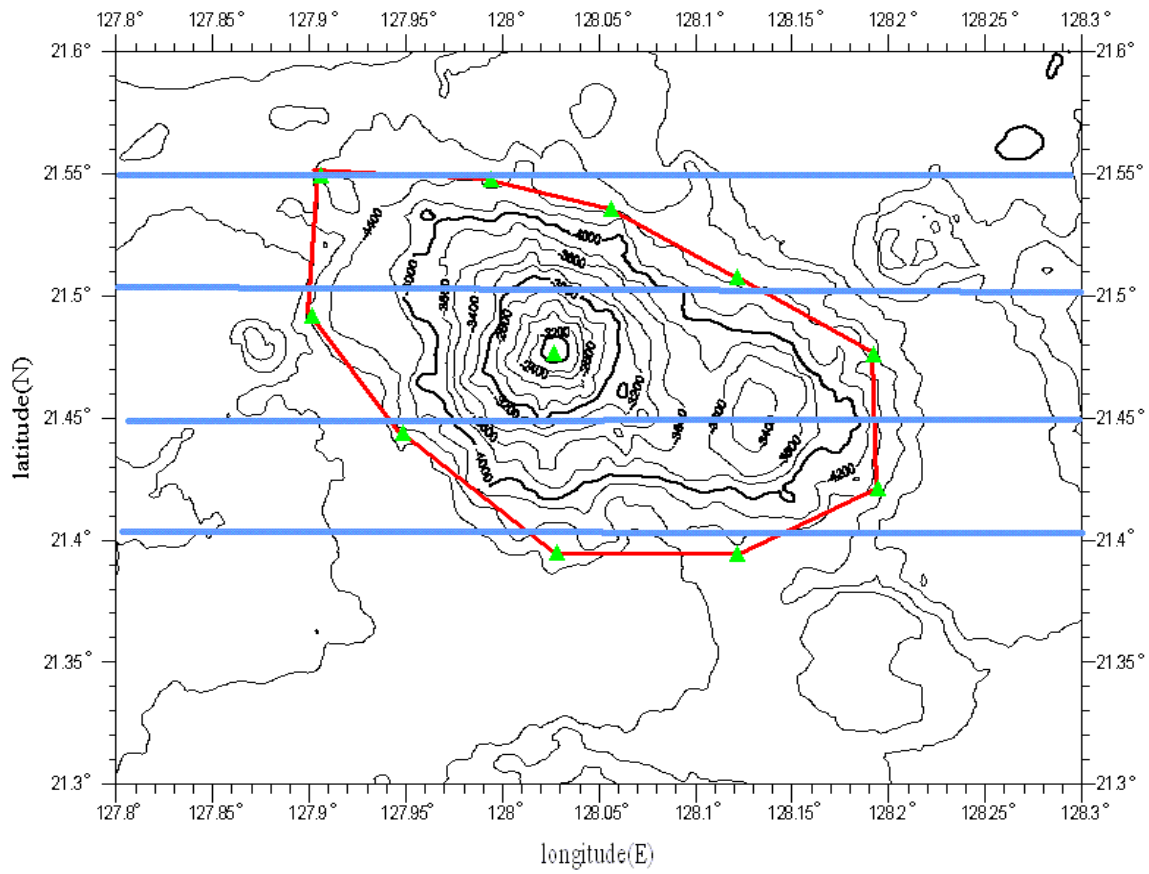


Fig.3. Bathymetric map of Ruiyun Seamount, showing track lines. Contours are in 200 m

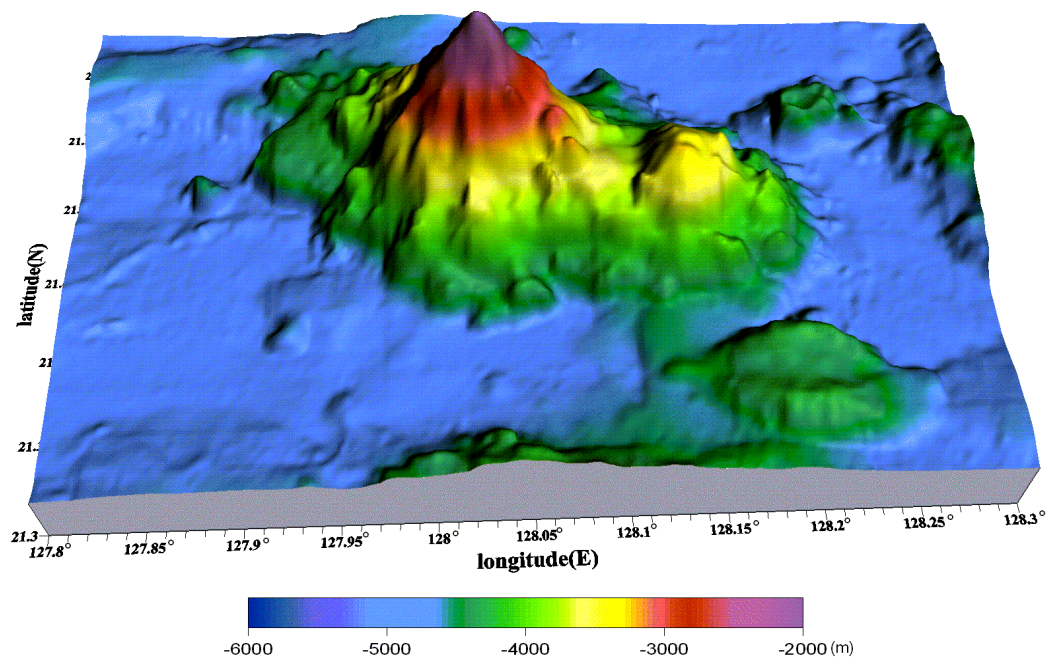


Fig.4. 3-D bathymetric map of Ruiyun Seamount

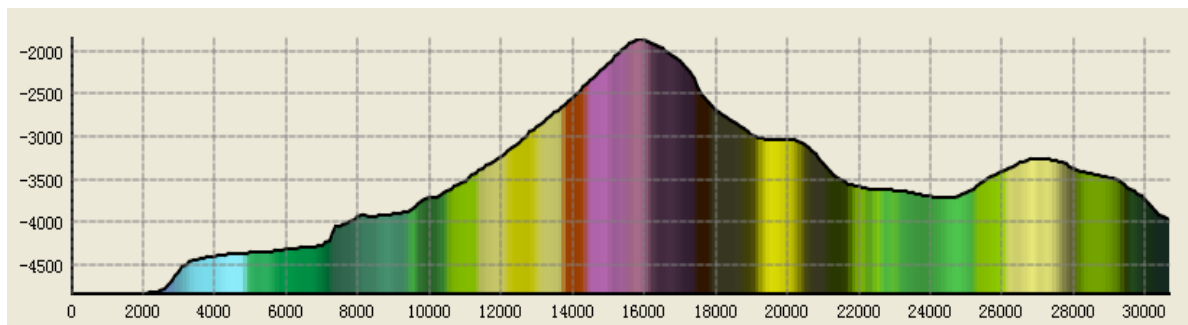
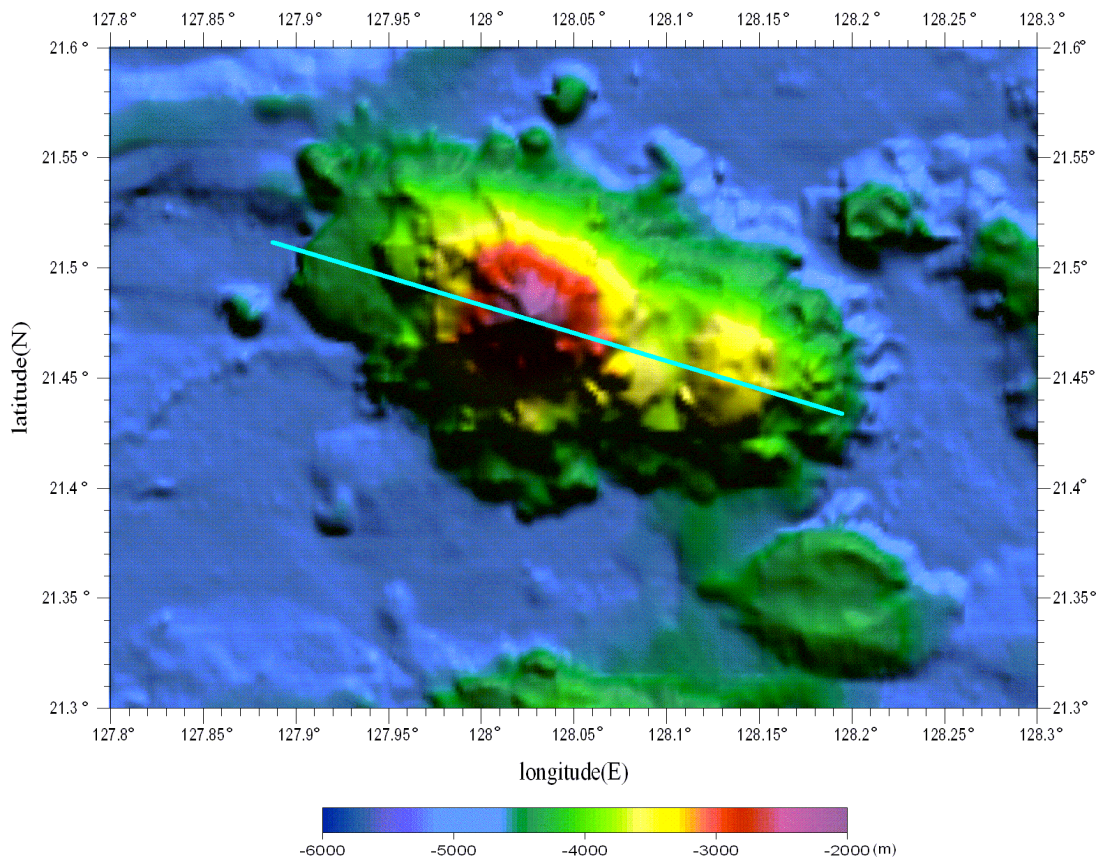


Fig.5. Profiles bathymetric map of Ruiyun Seamount