

UNDERSEA FEATURE NAME PROPOSAL

(See NOTE overleaf)

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

Name Proposed:	Zhongnan Seamount	Ocean or Sea:	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:	13°58.0'N (summit)	115°25.7'E (summit)
	13°48.4'N (bottom)	115°23.1'E (bottom)
	13°49.9'N	115°15.3'E
	13°55.7'N	115°14.4'E
	13°59.8'N	115°12.5'E
	14°05.0'N	115°11.5'E
	14°08.6'N	115°12.1'E
	14°10.6'N	115°15.0'E
	14°14.5'N	115°18.2'E
	14°13.2'N	115°22.6'E
	14°13.5'N	115°27.7'E
	14°11.3'N	115°31.8'E
	14°06.5'N	115°32.8'E
	14°05.0'N	115°38.2'E
	14°00.8'N	115°39.5'E
	13°59.6'N	115°37.7'E
	13°51.6'N	115°32.8'E
	13°49.9'N	115°34.8'E
13°45.5'N	115°31.8'E	
13°48.4'N	115°23.1'E	

Feature Description:	Maximum Depth:	4355m	Steepness :	
	Minimum Depth :	288m	Shape :	
	Total Relief :	4067m	Dimension/Size :	50km × 45km

Associated Features:	This seamount lies in the middle of South China Sea Basin. The shape of this seamount is conical.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The Chinese government named the seamount as Zhongnan Seamount in 1986. In 2004, China carried out multi-beam measurement for this seamount again.
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Discovery Facts:	Discovery Date:	1980-1982
	Discoverer (Individual, Ship):	R/V HaiyangErhao

Supporting Survey Data, including Track Controls:	Date of Survey:	Mar-May 2004
	Survey Ship:	R/V HaiyangSihao
	Sounding Equipment:	Multi-beamsounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	<=0.08 nm
	Survey Track Spacing:	5nm
	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 Ave. Beijing 100860 heyunxu@sina.com
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Attachment

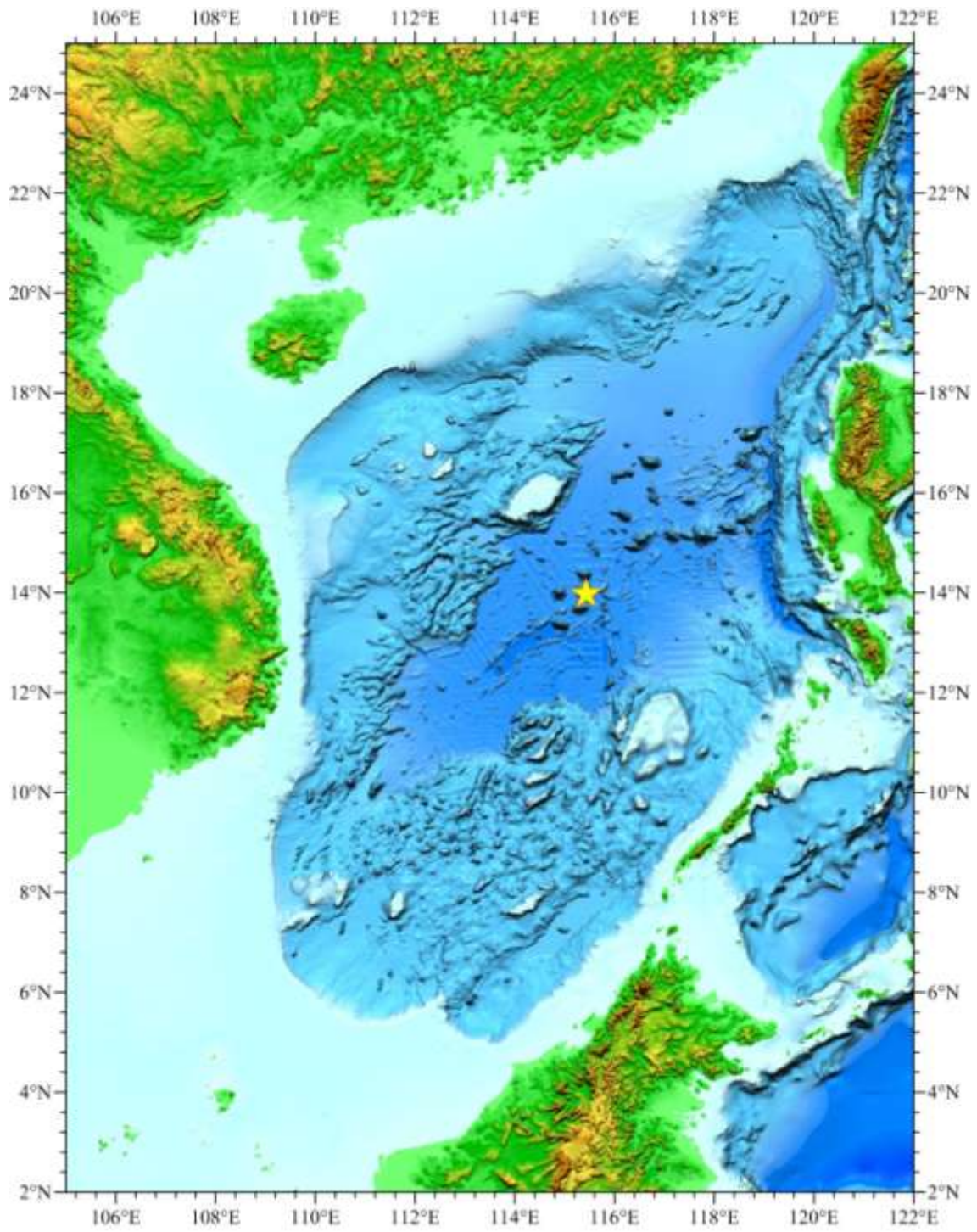
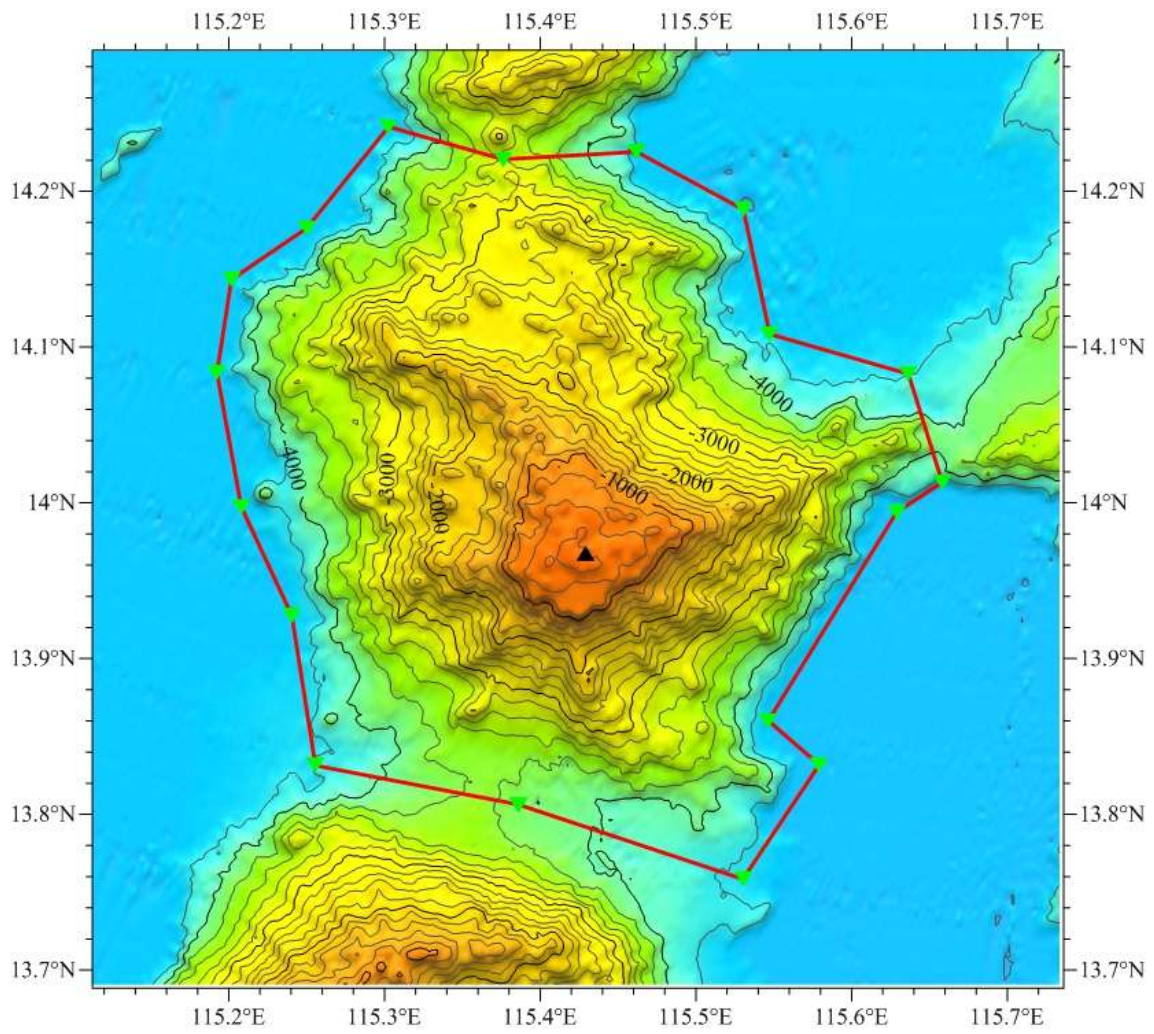



Fig.1 Index map showing the location of the Zhongnan Seamount




-4500 -4000 -3500 -3000 -2500 -2000 -1500 -1000 -500 (m)
Fig.2 Bathymetric map of the Zhongnan Seamount (Contours are in 200 m)

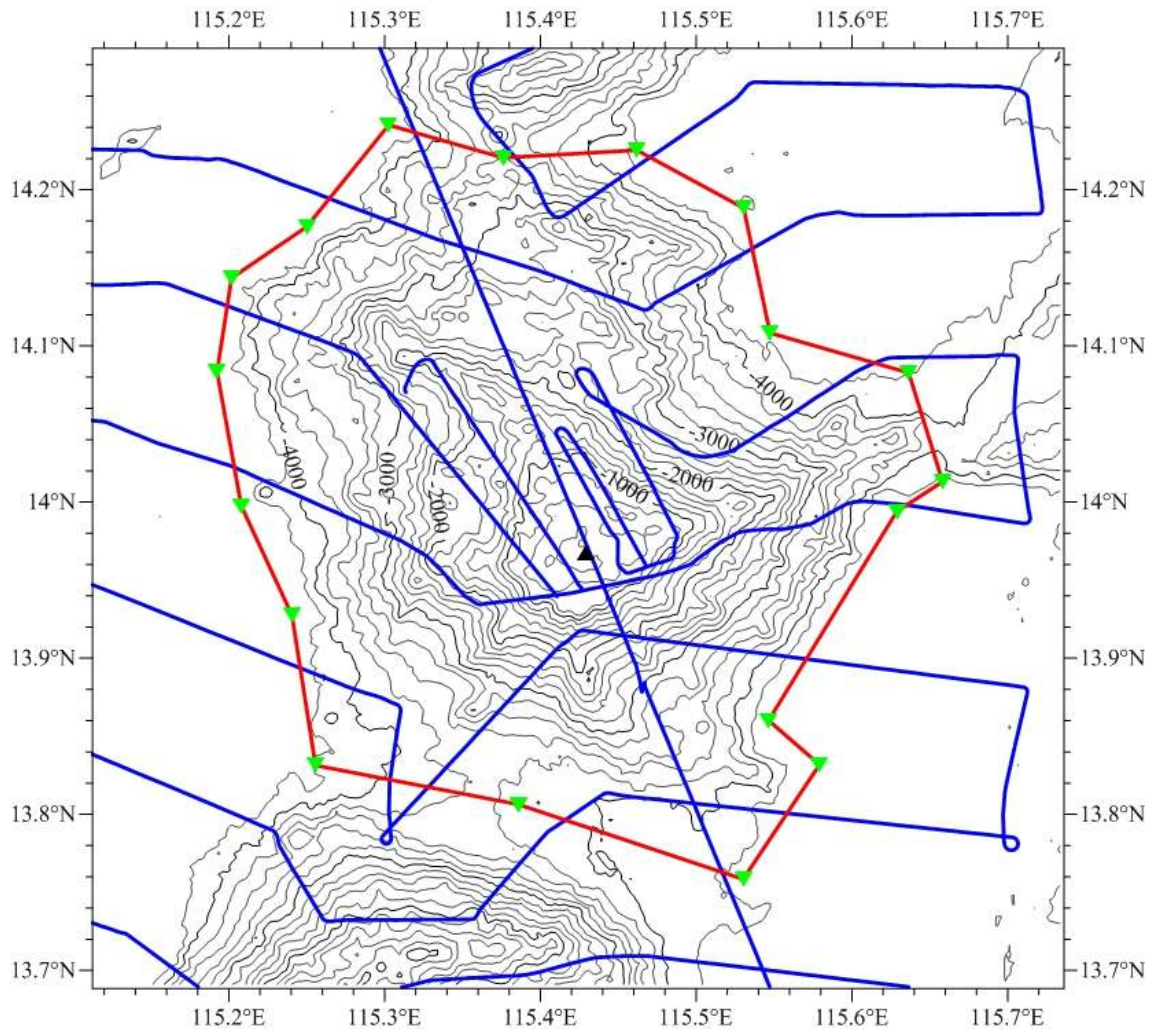


Fig.3 Bathymetric map of the Zhongnan Seamount overlain with track lines
(Contours are in 200 m, blue lines for the track lines)

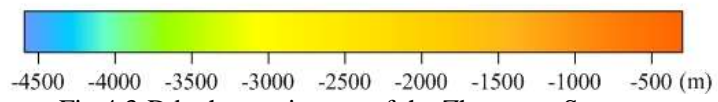
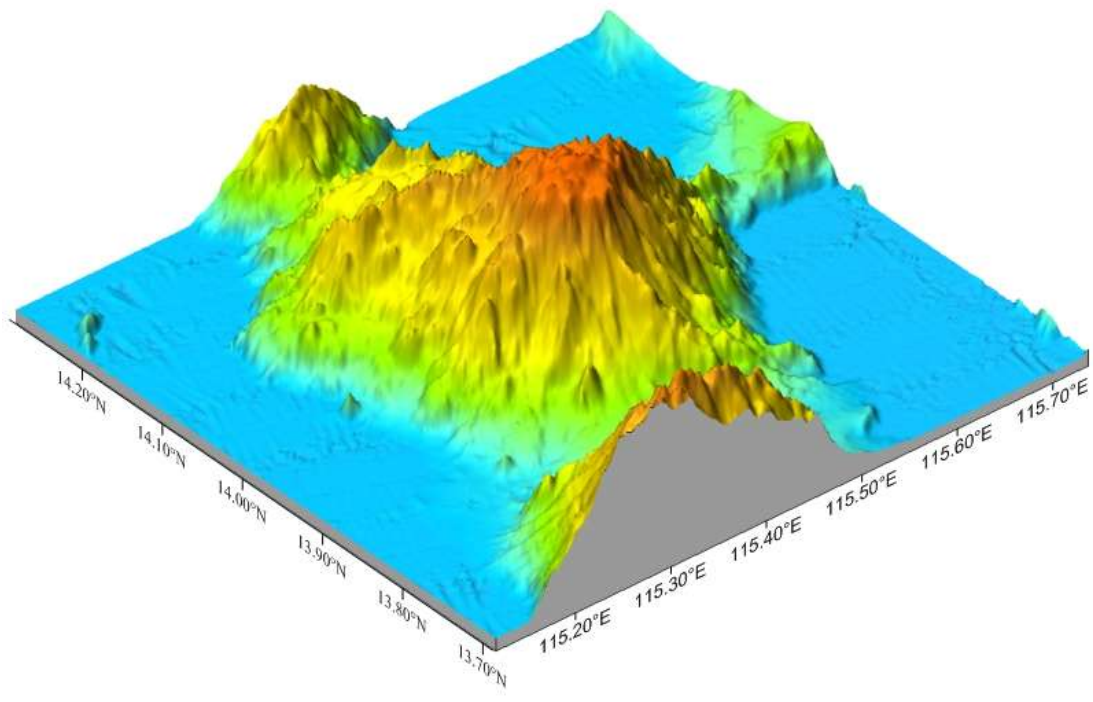


Fig.4 3-D bathymetric map of the Zhongnan Seamount

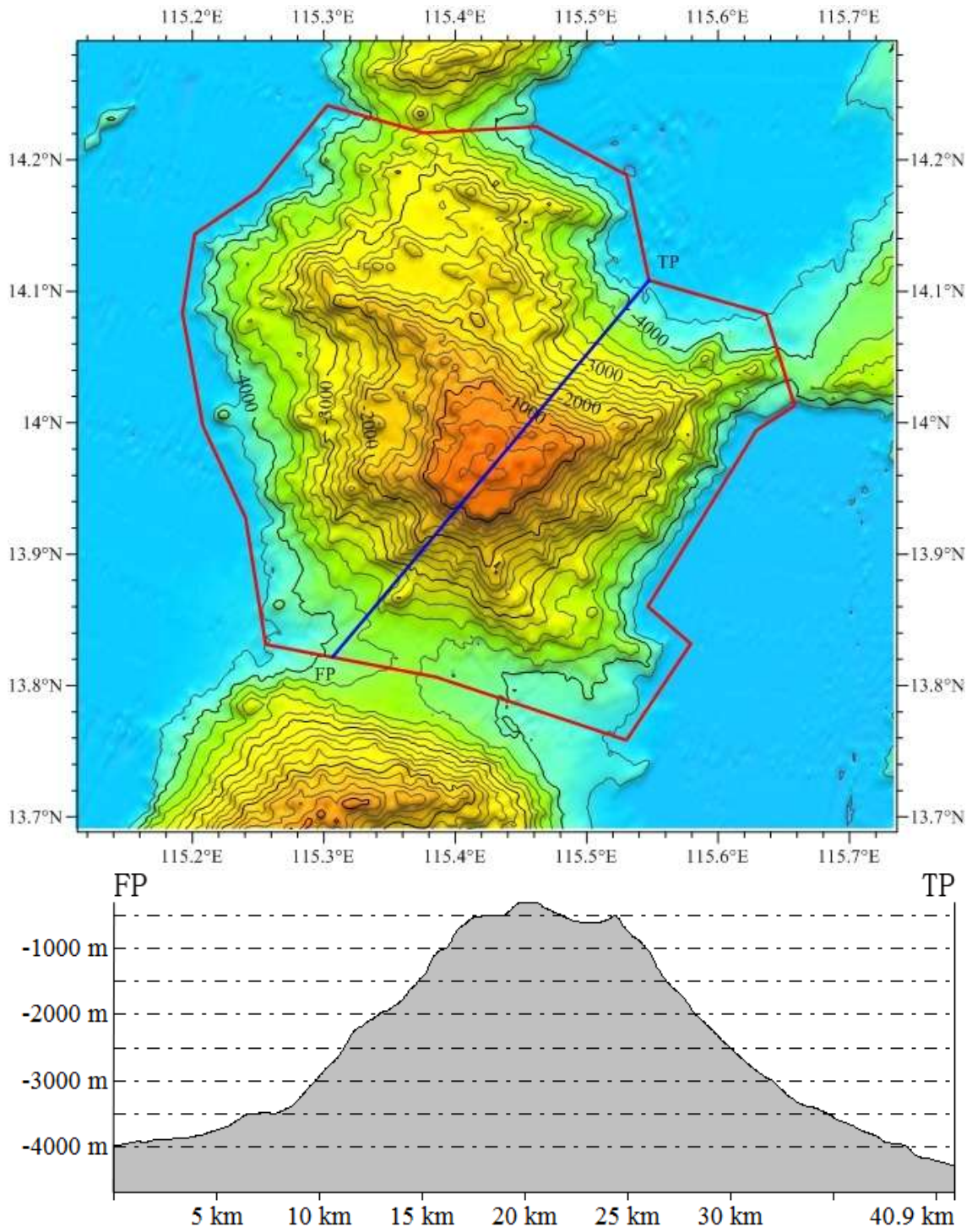


Fig.5 Profile map of the Zhongnan Seamount