

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Xiaozheng Seamount	Ocean or Sea:	South Atlantic 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.

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
Coordinates:	16° 12.9' S (summit)	013° 06.5' W (summit)
	16° 09.8' S (bottom)	013° 07.4' W (bottom)
	16° 10.2' S	013° 10.0' W
	16° 11.4' S	013° 10.6' W
	16° 13.5' S	013° 10.8' W
	16° 15.3' S	013° 10.0' W
	16° 15.9' S	013° 08.4' W
	16° 16.2' S	013° 06.5' W
	16° 15.5' S	013° 04.5' W
	16° 13.4' S	013° 03.6' W
	16° 12.4' S	013° 03.2' W
	16° 10.7' S	013° 04.2' W
	16° 10.2' S	013° 04.6' W

Feature Description:	Maximum Depth:	3600m	Steepness :	
	Minimum Depth :	2150m	Shape :	
	Total Relief :	1450m	Dimension/Size :	15km×12km

Associated Features:

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.12
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The word “Xiaozheng” is from a poem in “the Book of Songs” (a collection of poems in ancient Chinese Literature), which means marching in the midnight. Xiaozheng Seamount is named after its discovering during a survey in the midnight.
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Discovery Facts:	Discovery Date:	Apr. 2011
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Apr. 2011
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Multi-beam sounding system (EM120)
	Type of Navigation:	StarFire-2050M WAD DGPS

	Estimated Horizontal Accuracy (nm):	<=0.0054nm
	Survey Track Spacing:	2.4nm
Supporting material can be submitted as Annex in analog or digital form.		

Proposer(s):	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

Remarks:	
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Attachments:

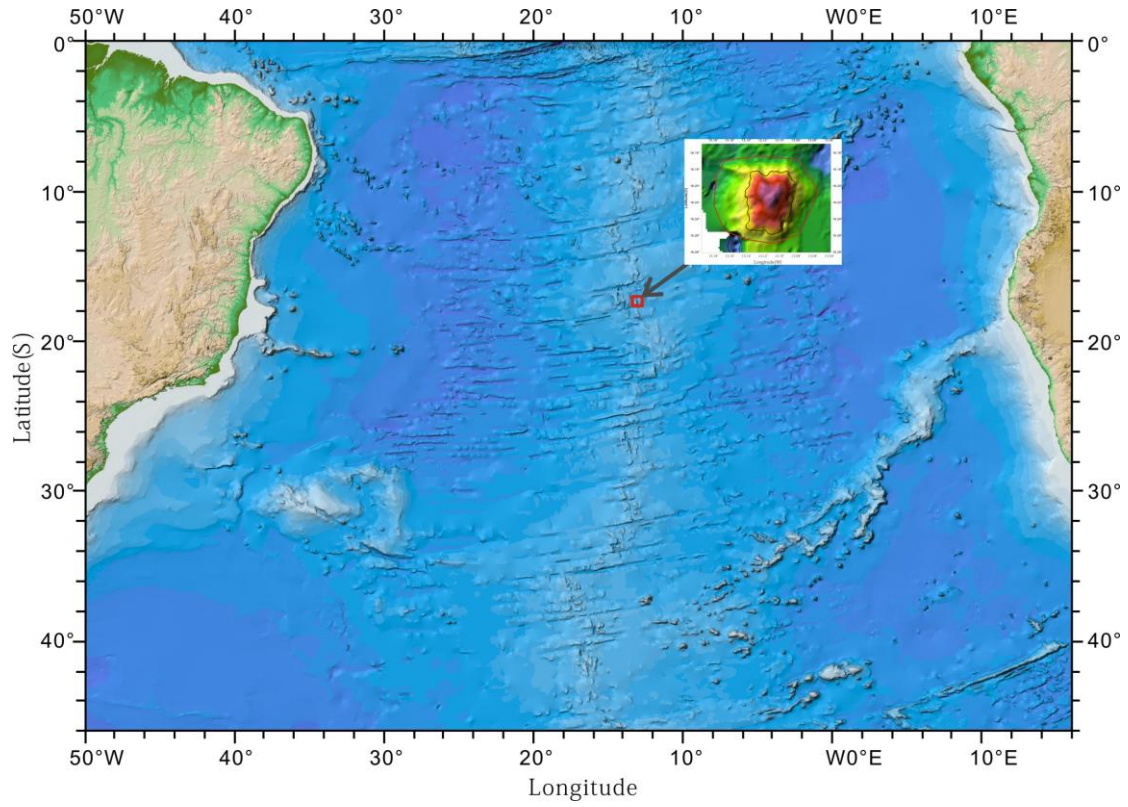


Fig.1 Index map showing the location of the Xiaozheng Seamount.

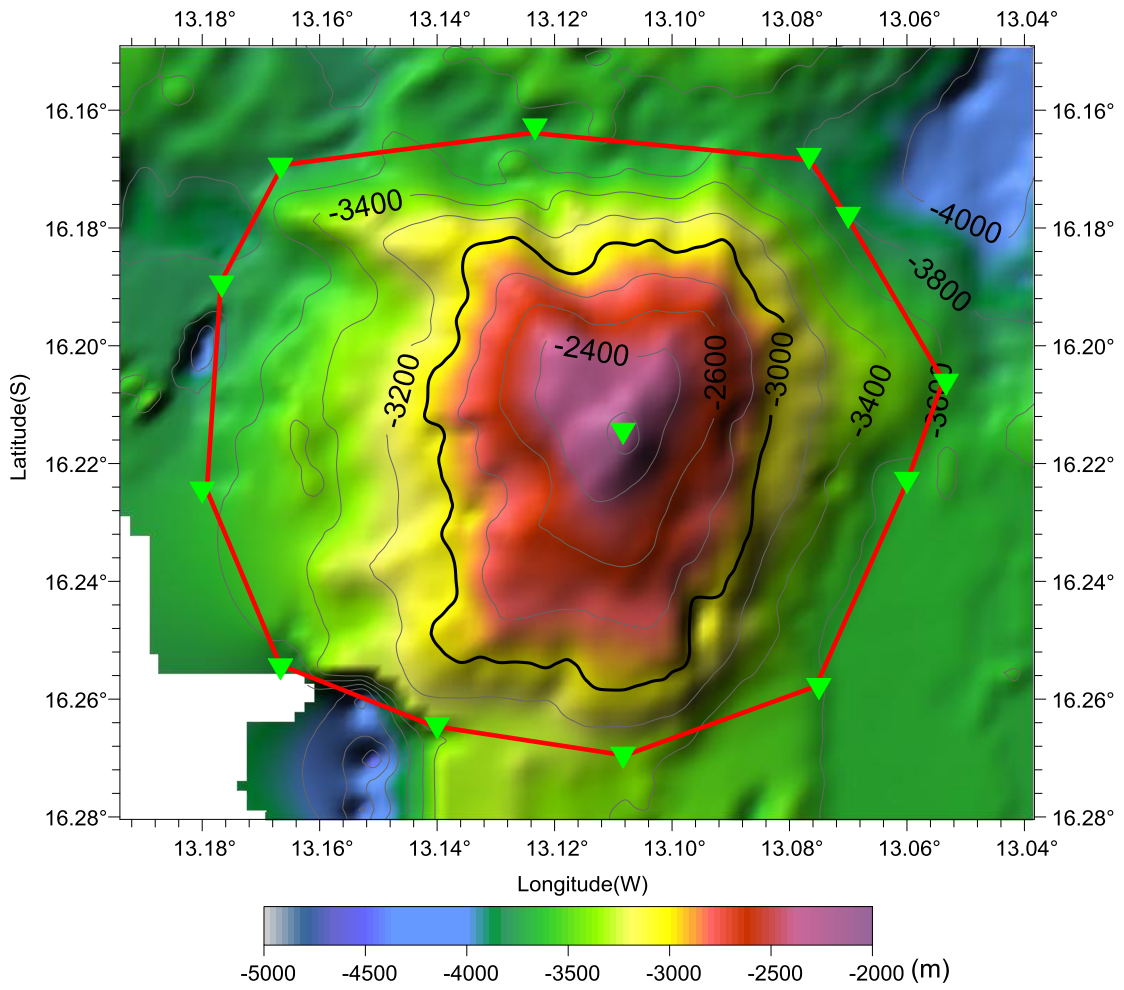


Fig.2 Bathymetric map of the Xiaozheng Seamount. (Contours are in 200 m)

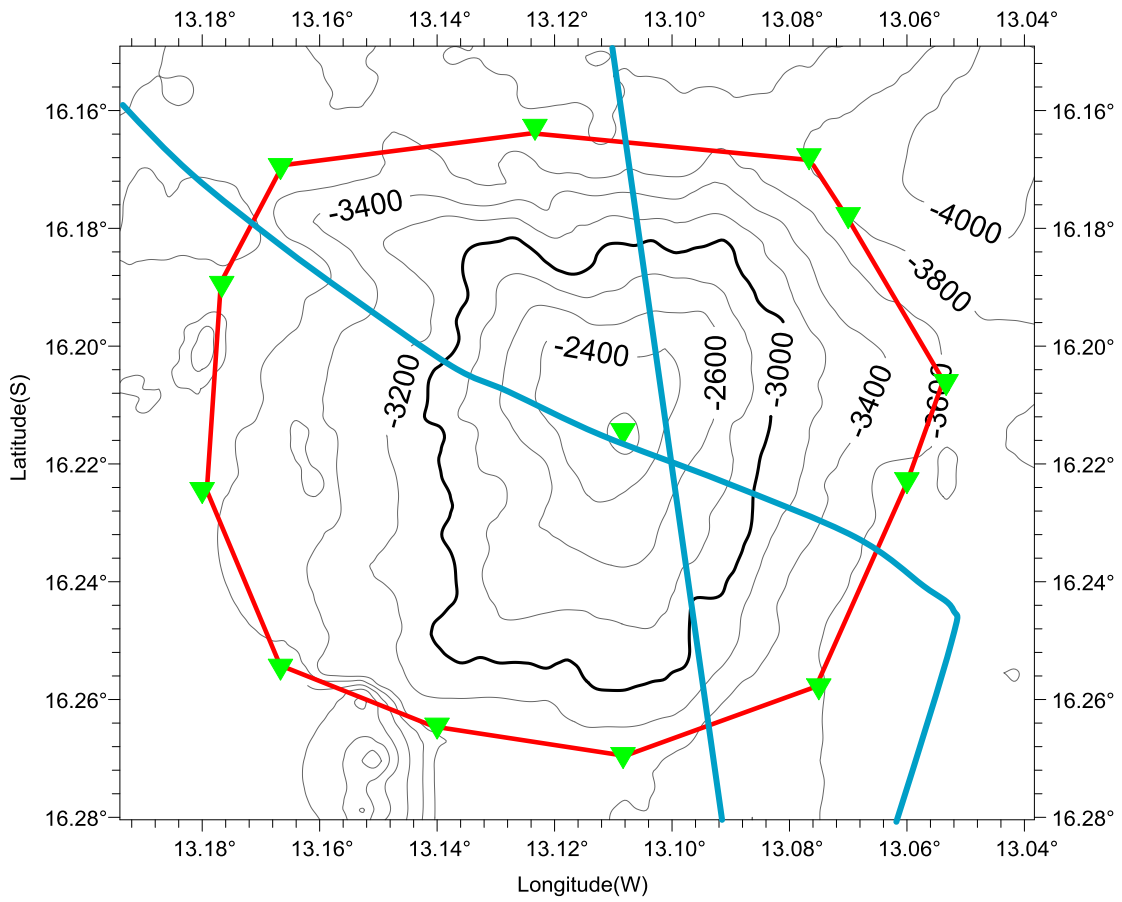


Fig.3 Bathymetric map of the Xiaozheng Seamount, showing track lines. (Contours are in 200 m)

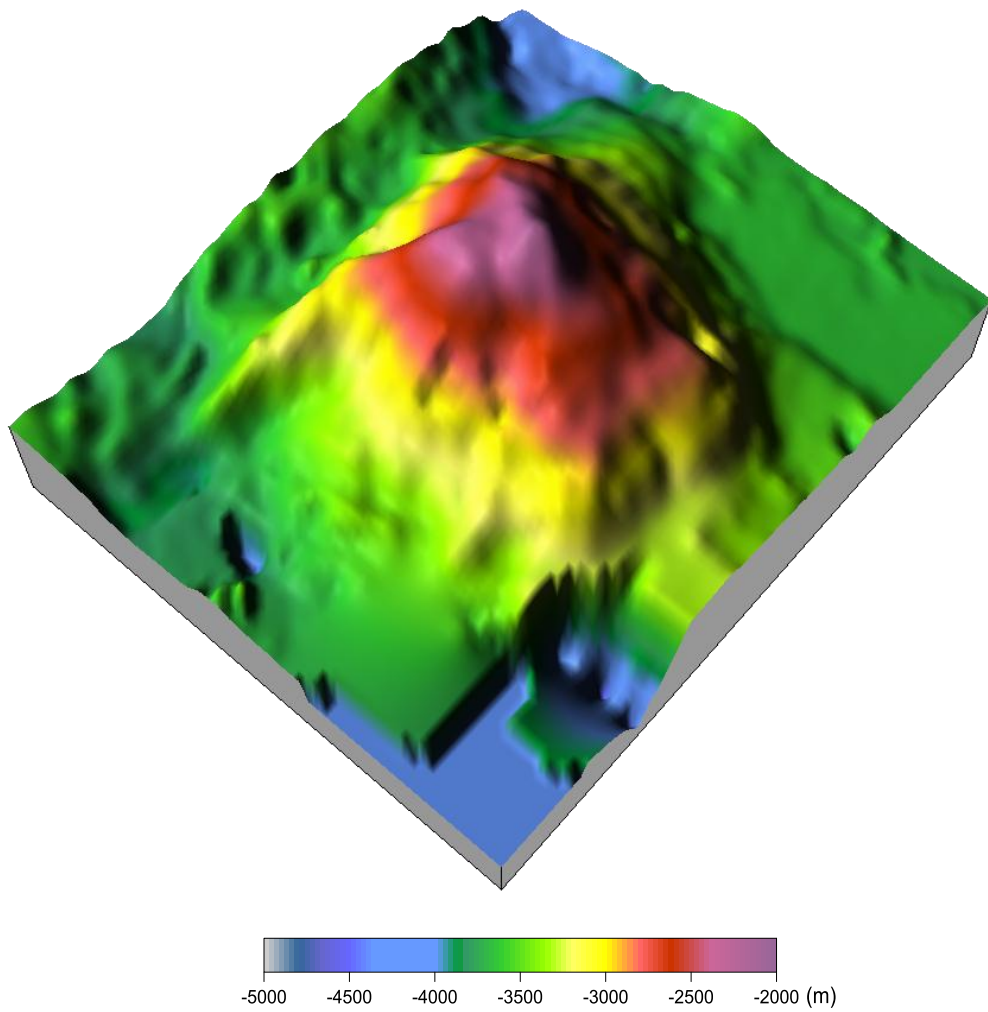


Fig.4 3-D bathymetric map of the Xiaozheng Seamount

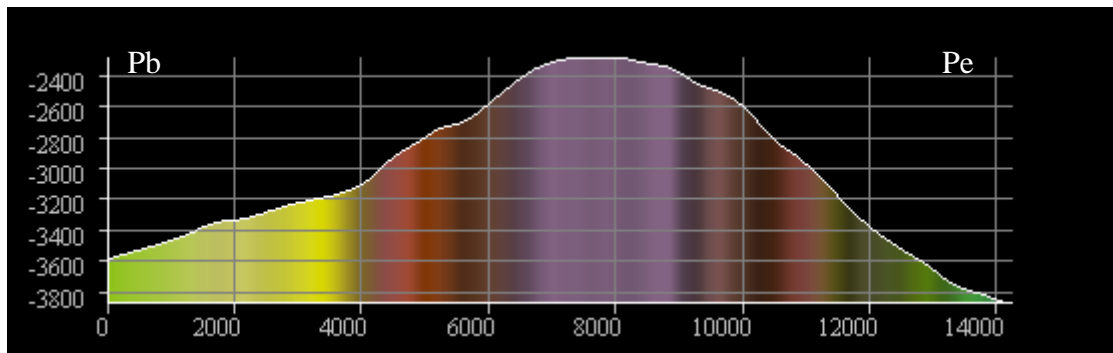
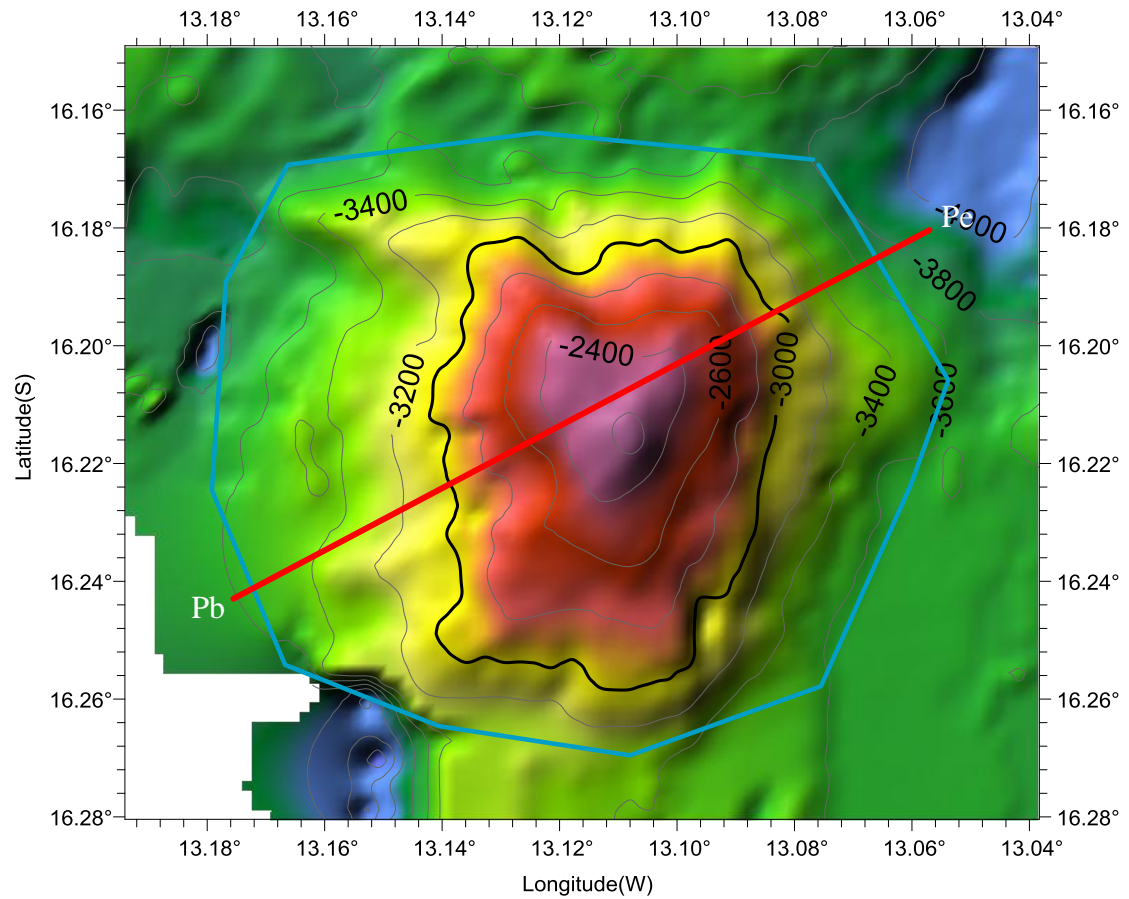


Fig.5 Profiles bathymetric map of the Xiaozheng Seamount