

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed:	Kaifeng Seamount	Ocean or Sea:	South Atlantic Ocean
-----------------------	-------------------------	----------------------	-----------------------------

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:	22° 56.6' S (summit)	013° 25.9' W (summit)
	23° 02.2' S (bottom)	013° 33.4' W (bottom)
	23° 04.1' S	013° 31.3' W
	23° 04.5' S	013° 27.5' W
	23° 05.5' S	013° 24.5' W
	23° 05.7' S	013° 22.9' W
	23° 02.9' S	013° 22.1' W
	23° 00.3' S	013° 22.8' W
	22° 57.1' S	013° 23.0' W
	22° 53.6' S	013° 23.1' W
	22° 51.9' S	013° 25.0' W
	22° 52.8' S	013° 26.5' W
	22° 53.5' S	013° 28.7' W
	22° 54.3' S	013° 32.4' W
	22° 55.0' S	013° 35.2' W
	22° 57.0' S	013° 35.5' W
	23° 00.2' S	013° 34.7' W
	23° 02.2' S	013° 33.4' W

Feature Description:	Maximum Depth:	4200m	Steepness :	
	Minimum Depth :	1700m	Shape :	
	Total Relief :	2500m	Dimension/Size :	27km×21km

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):	Kaifeng means breeze, quoted from <i>The Book of Songs</i> (a collection of poems in ancient Chinese Literature): <i>From the south comes the breeze, caressing tender jujube trees.</i>
--	--

Discovery Facts:	Discovery Date:	May.2011
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including	Date of Survey:	May.2011
--	-----------------	----------

Track Controls:	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:	3.5nm
	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:	
-----------------	--

Attachments:

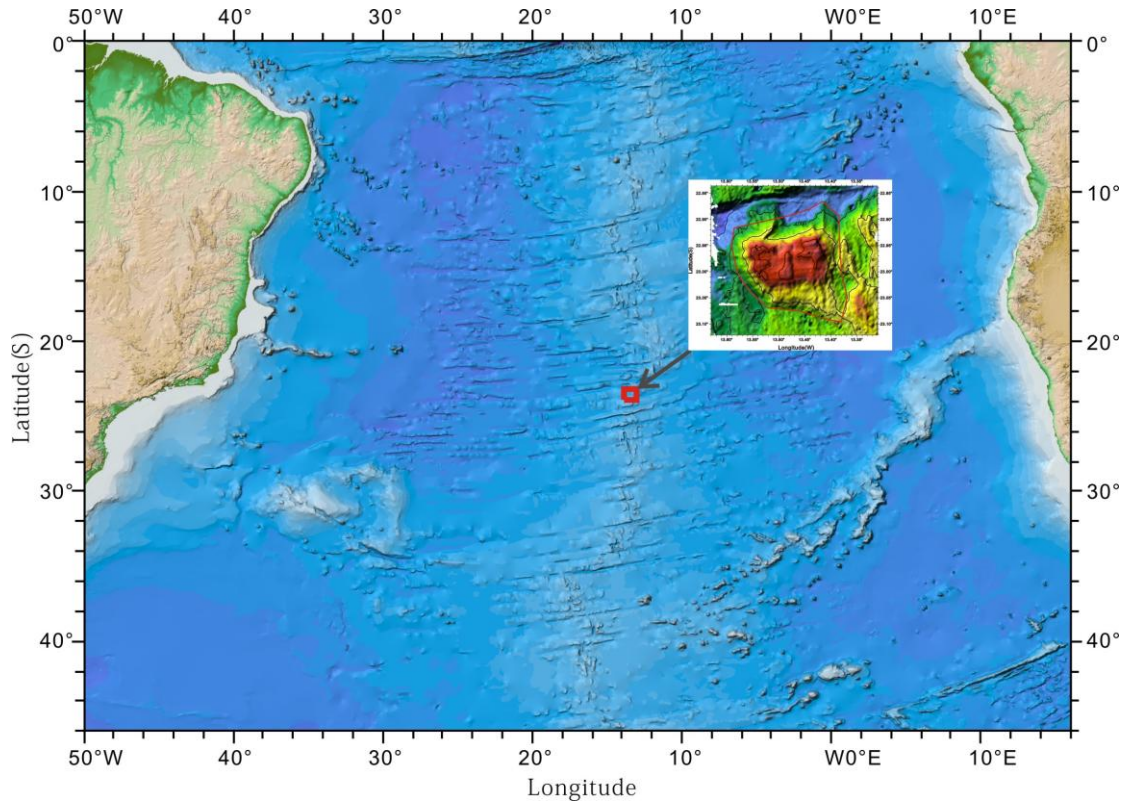


Fig.1 Index map showing the location of the Kaifeng Seamount

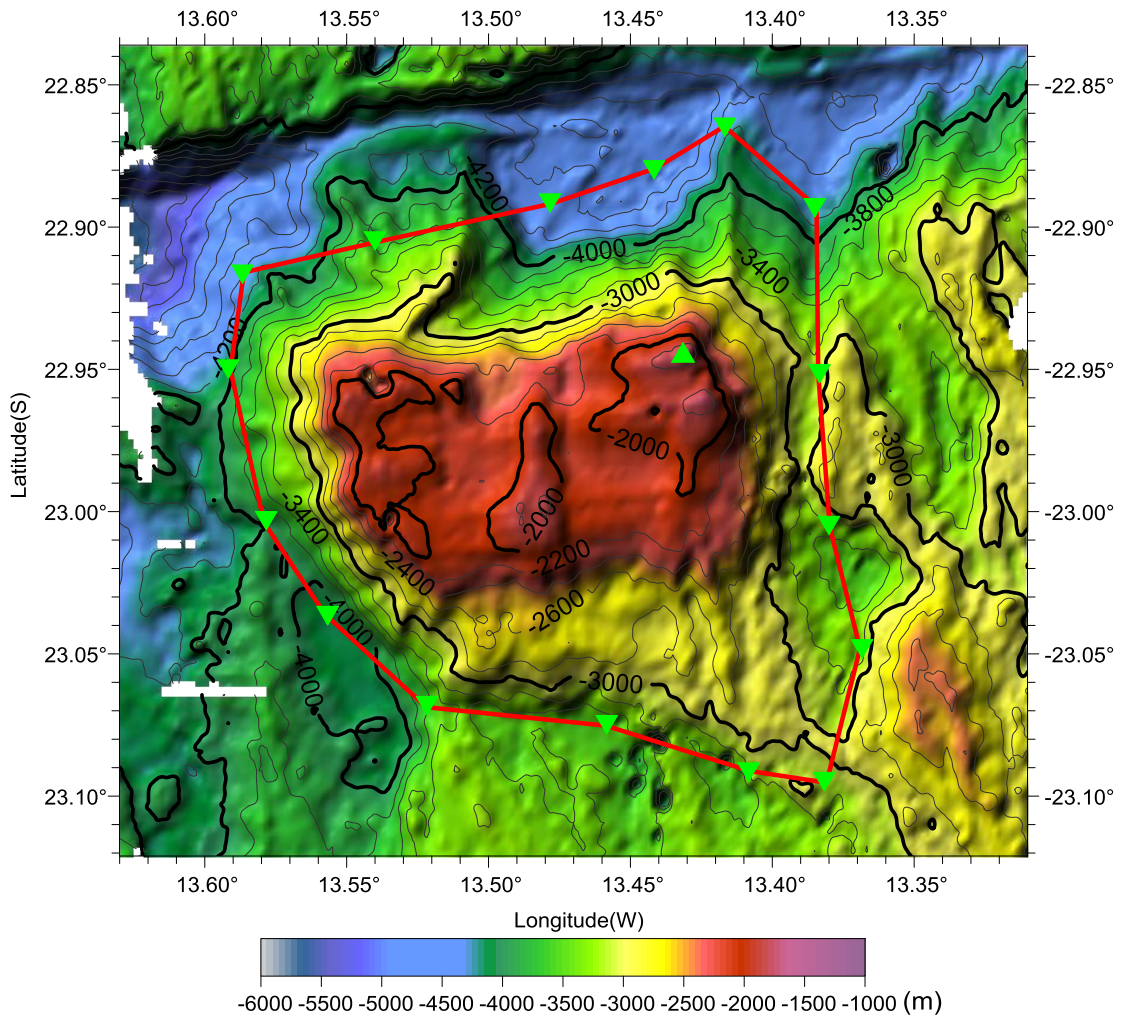


Fig.2 Bathymetric map of the Kaifeng Seamount. (Contours are in 200 m)

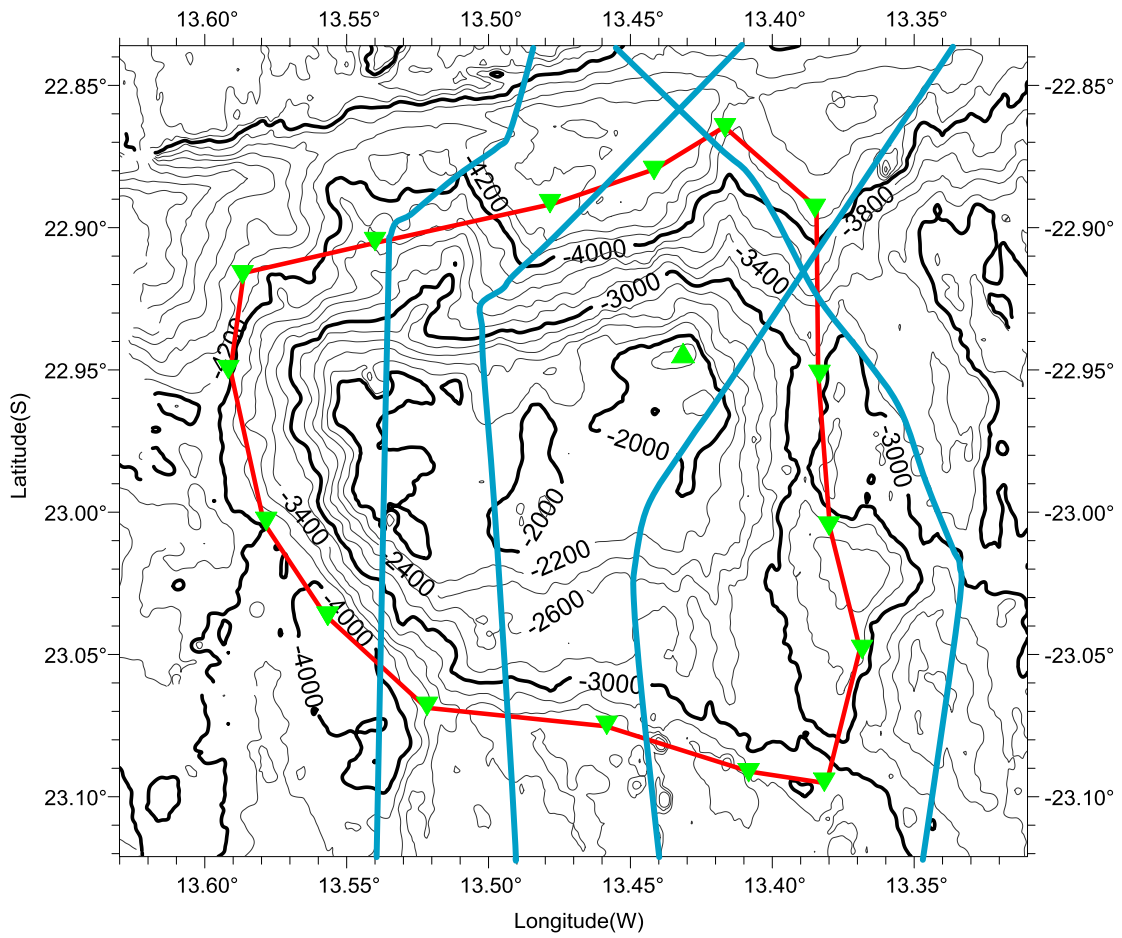


Fig.3 Bathymetric map of the Kaifeng Seamount, showing track lines. (Contours are in 200 m)

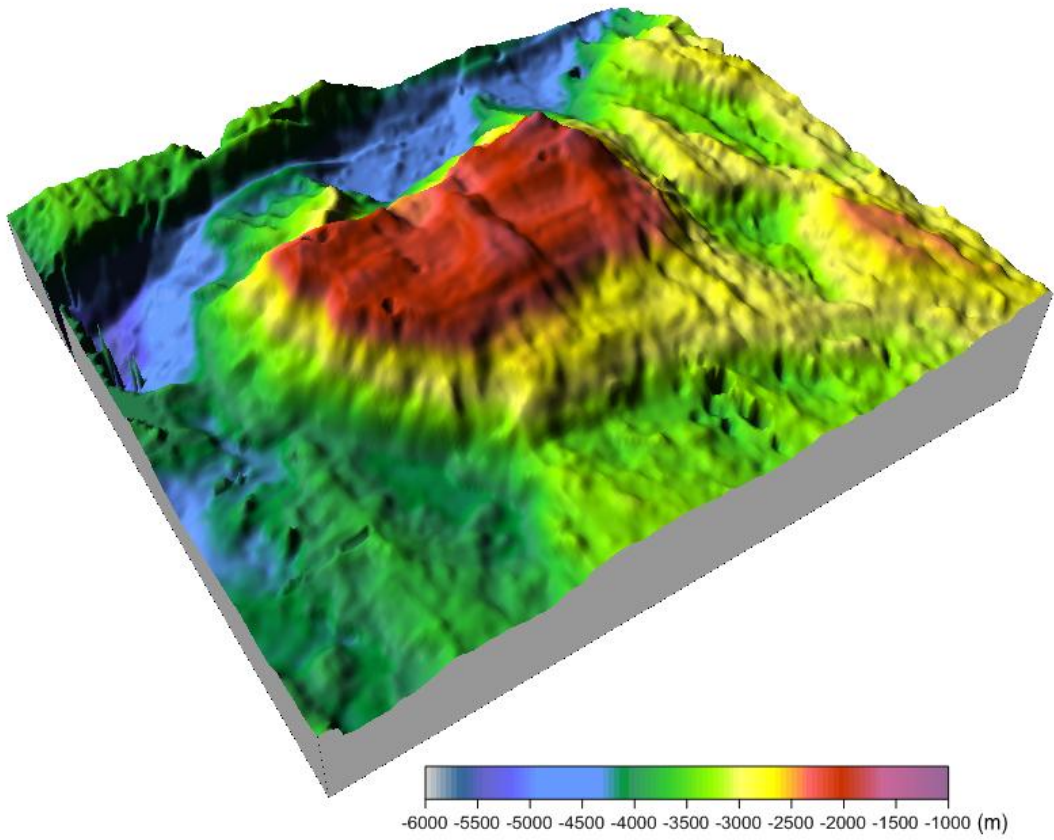


Fig.4 3-D bathymetric map of the Kaifeng Seamount

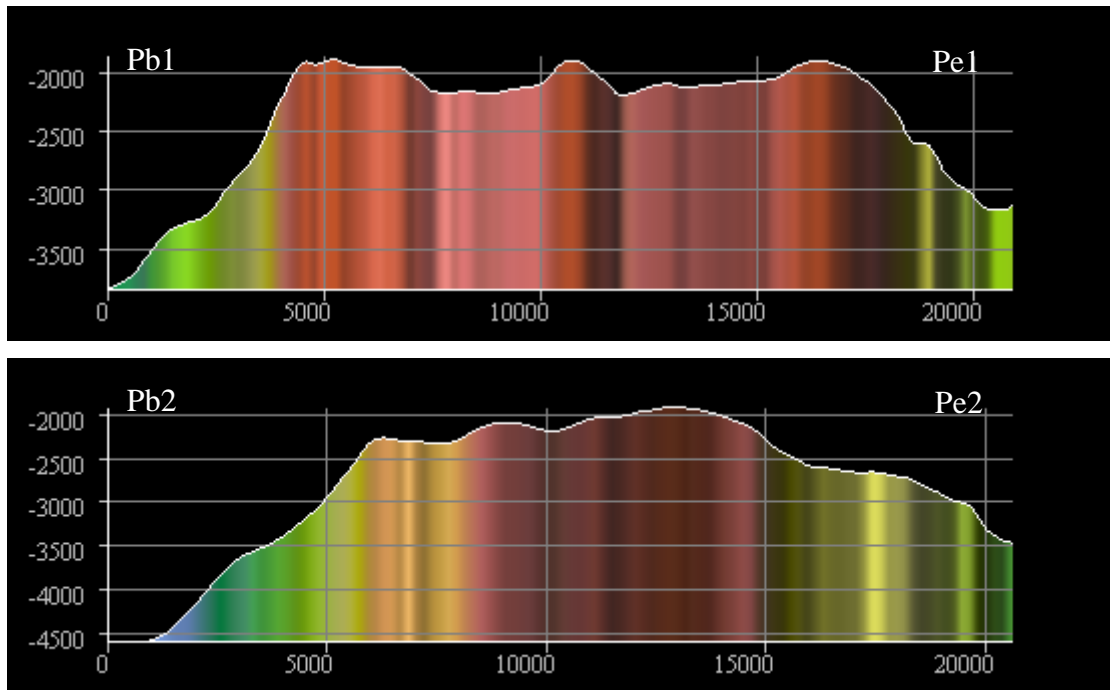
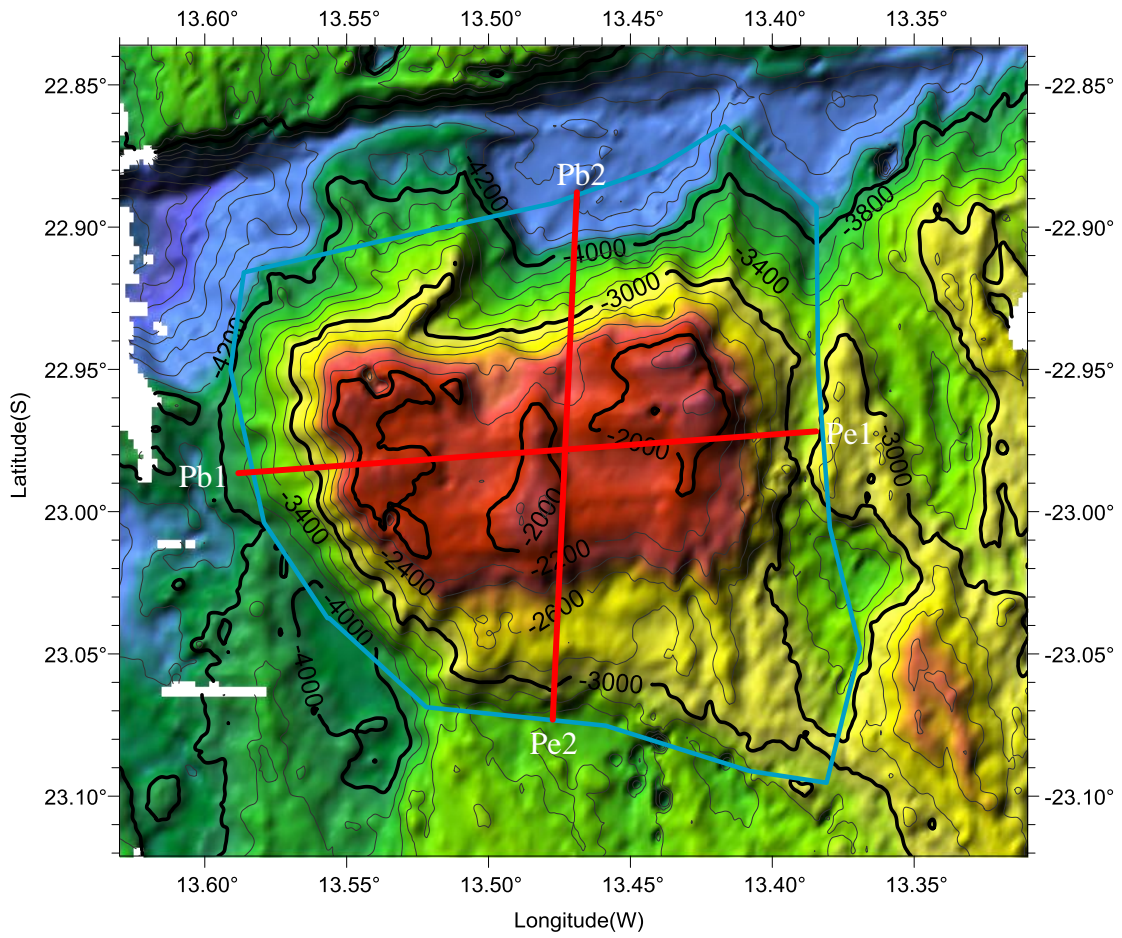


Fig.5 Profiles bathymetric map of the Kaifeng Seamount

: