

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Lufei Seamount	Ocean or Sea:	South Indian 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:	37° 56.9' S (summit)	049° 16.0' E (summit)
	38° 01.6' S (bottom)	049° 01.8' E (bottom)
	38° 01.1' S	049° 01.0' E
	37° 58.5' S	049° 01.7' E
	37° 57.1' S	049° 05.6' E
	37° 55.5' S	049° 09.7' E
	37° 54.2' S	049° 13.2' E
	37° 53.8' S	049° 18.0' E
	37° 54.6' S	049° 21.4' E
	37° 54.6' S	049° 24.7' E
	37° 55.3' S	049° 26.3' E
	37° 56.2' S	049° 26.3' E
	37° 57.2' S	049° 22.3' E
	37° 58.1' S	049° 18.3' E
	37° 58.9' S	049° 14.5' E
	37° 59.9' S	049° 11.0' E
	38° 00.8' S	049° 07.4' E
	38° 01.4' S	049° 03.8' E
38° 01.7' S	049° 01.7' E	

Feature Description:	Maximum Depth:	3800m	Steepness :	
	Minimum Depth :	1300m	Shape :	
	Total Relief :	2500m	Dimension/Size :	38km×8km

Associated Features:	
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.09
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The word "Lufei" means a flying egret in Chinese language, quoted from <i>The Book of Songs (a collection of poems in ancient Chinese Literature)</i> : <i>A flock of egrets fly to the western marsh nearby.</i> It is named after the shape of the seamount, which looks like a flying egret.
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Discovery Facts:	Discovery Date:	Feb.2007
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Feb.2007
	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:	4.8nm
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:

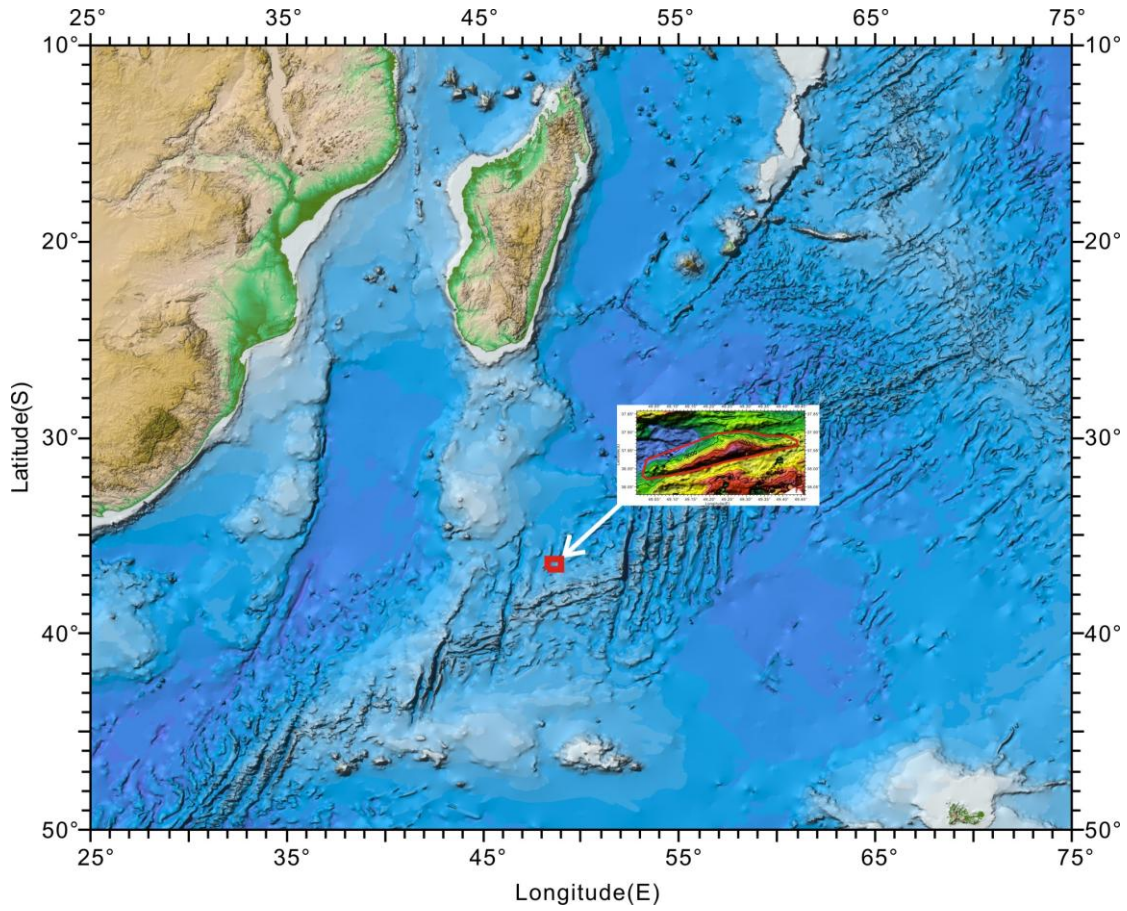


Fig.1 Index map showing the location of the Lufei Seamount

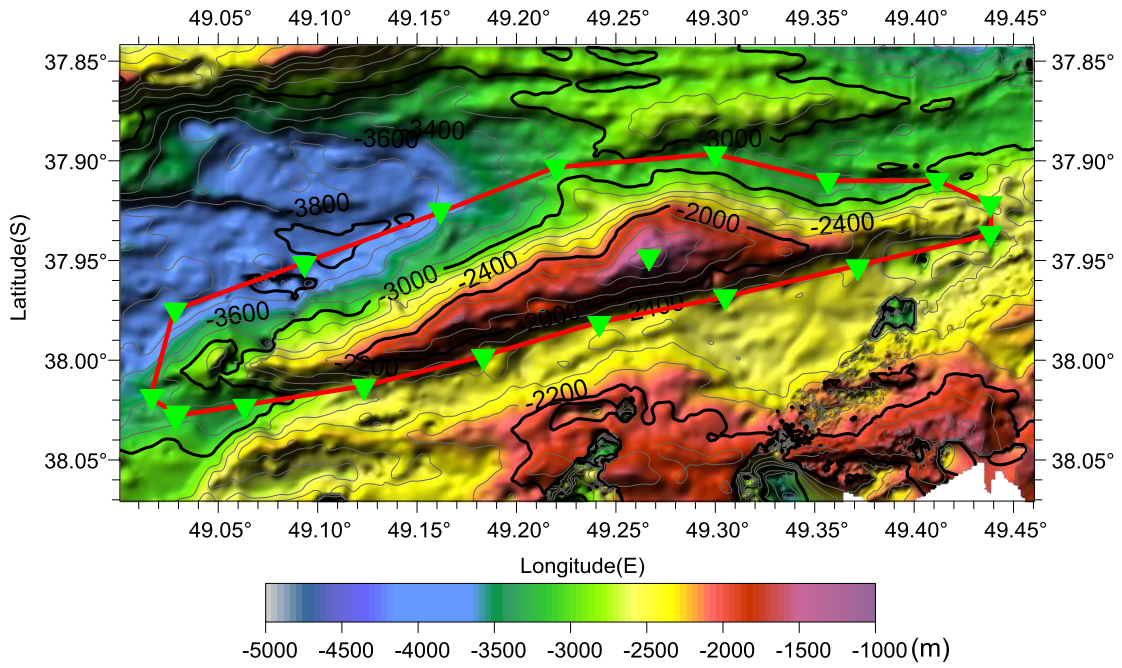


Fig.2 Bathymetric map of the Lufei Seamount. (Contours are in 200 m)

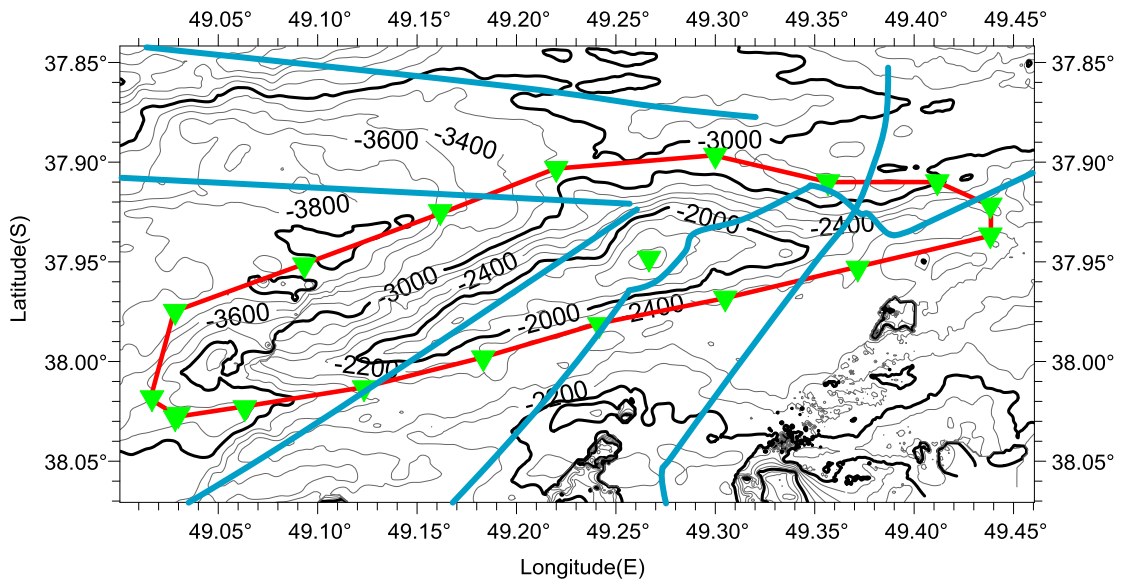


Fig.3 Bathymetric map of the Lufei Seamount, showing track lines. (Contours are in 200 m)

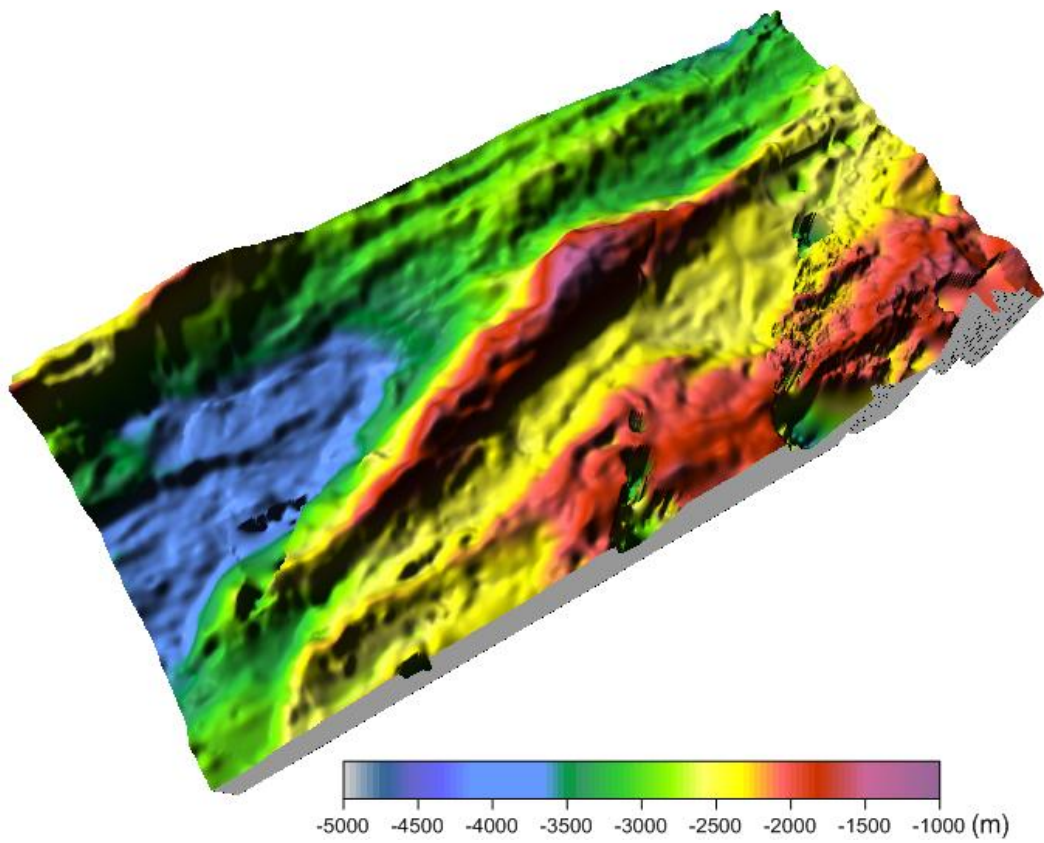


Fig.4 3-D bathymetric map of the Lufei Seamount

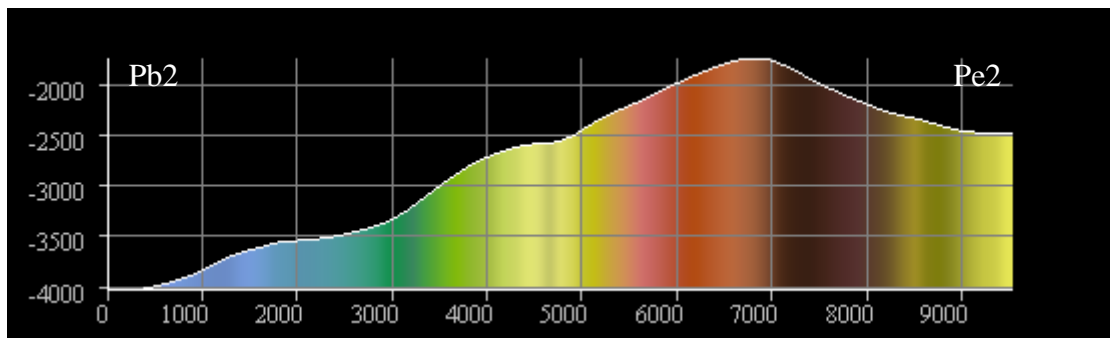
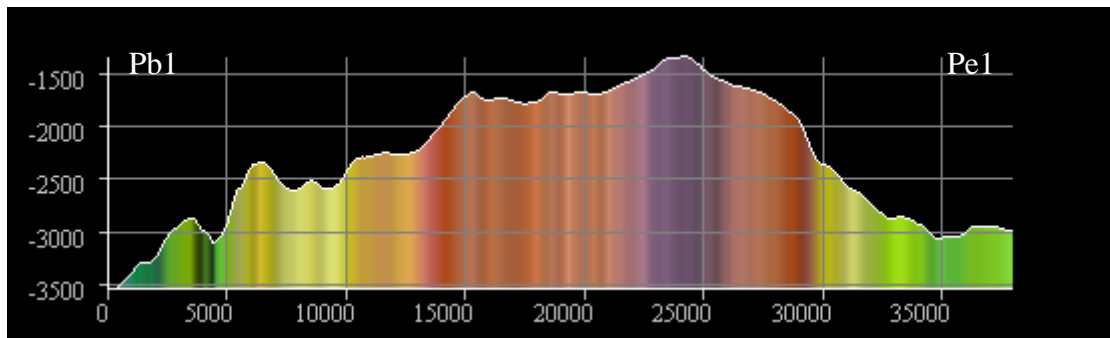
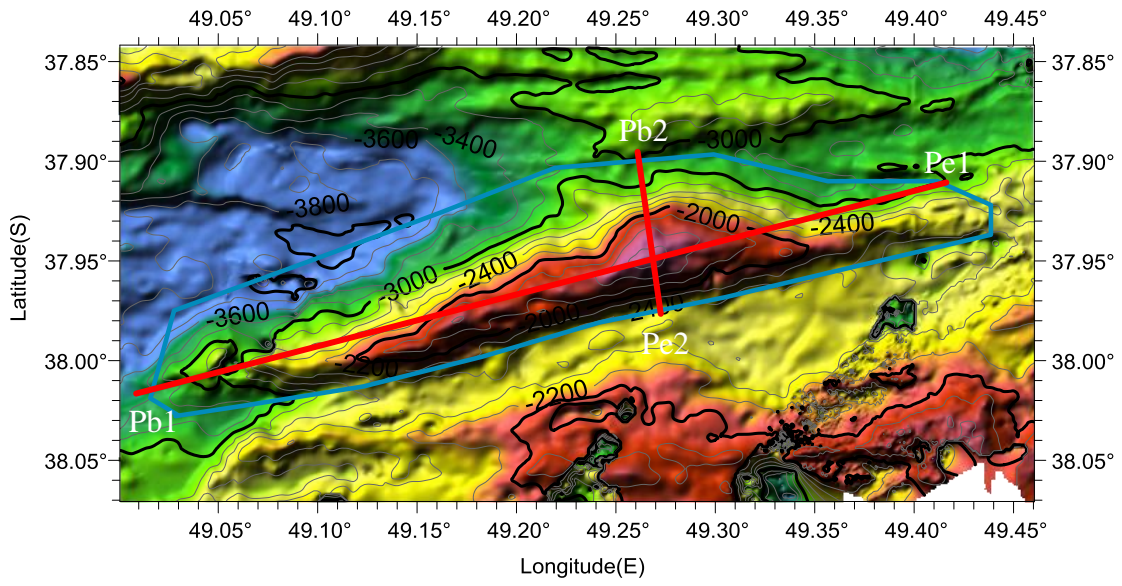


Fig.5 Profiles bathymetric map of the Lufei Seamount

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