

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed:	Niulang Guyot	Ocean or Sea:	Northwest Pacific 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:	20° 44.3' N (summit)	161° 11.6' E (summit)
	20° 36.5' N (summit)	161° 01.7' E (summit)
	20° 22.8' N (summit)	160° 45.4' E (summit)
	20° 09.8' N (bottom)	160° 16.5' E (bottom)
	19° 58.7' N	160° 25.5' E
	19° 53.2' N	160° 32.7' E
	19° 50.0' N	160° 39.8' E
	19° 52.1' N	160° 51.9' E
	19° 57.3' N	161° 03.1' E
	20° 08.3' N	161° 17.3' E
	20° 28.5' N	161° 22.7' E
	20° 39.4' N	161° 28.8' E
	20° 46.2' N	161° 29.9' E
	20° 53.7' N	161° 18.5' E
	20° 56.2' N	161° 06.2' E
	20° 51.6' N	160° 53.5' E
	20° 45.4' N	160° 41.4' E
	20° 36.4' N	160° 32.5' E
20° 27.2' N	160° 23.9' E	
20° 17.8' N	160° 18.9' E	
20° 10.2' N	160° 16.6' E	

Feature Description:	Maximum Depth:	5200m	Steepness :	
	Minimum Depth :	1600m	Shape :	
	Total Relief :	3600m	Dimension/Size :	135km×85km

Associated Features:	
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.06
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Niulang is a boy in a poem in the Book of Songs (a collection of poems in ancient Chinese Literature). The poem is about a love story between a couple named Niulang and Zhinv. In the story, Niulang transformed into a star called "Niulang Star", while Zhinv transformed into a star called "Zhinv Star". And they were separated by the Milky Way. Zhinv Guyot and Niulang Guyot are separated by a submarine valley just like Niulang and
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	Zhinu lying across the Milky Way from each other.
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Discovery Facts:	Discovery Date:	Apr.2003
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Apr.2003
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Multi-beam sounding system (SeaBeam 2112.360)
	Type of Navigation:	SEASTAR 3100LRS DGPS
	Estimated Horizontal Accuracy (nm):	<=0.0054nm
	Survey Track Spacing:	9.6nm
Supporting material can be submitted as Annex in analog or digital form.		

Proposer(s):	Name(s):	Zhanhai ZHANG
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	E-mail:	heyunxu@hotmail.com
	Organization and Address:	State Oceanic Administration, China No.1 Fuxingmenwai Ave. Beijing

Remarks:	
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Attachments:

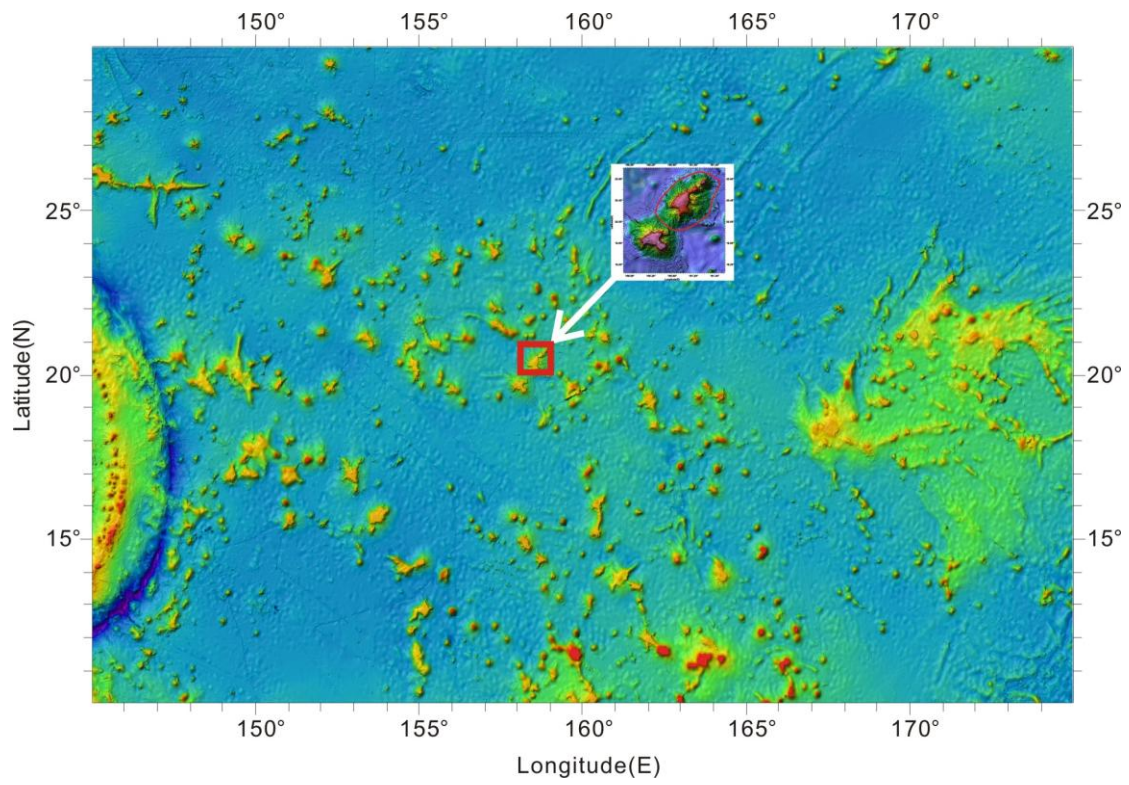


Fig.1 Index map showing the location of the Niulang Guyot

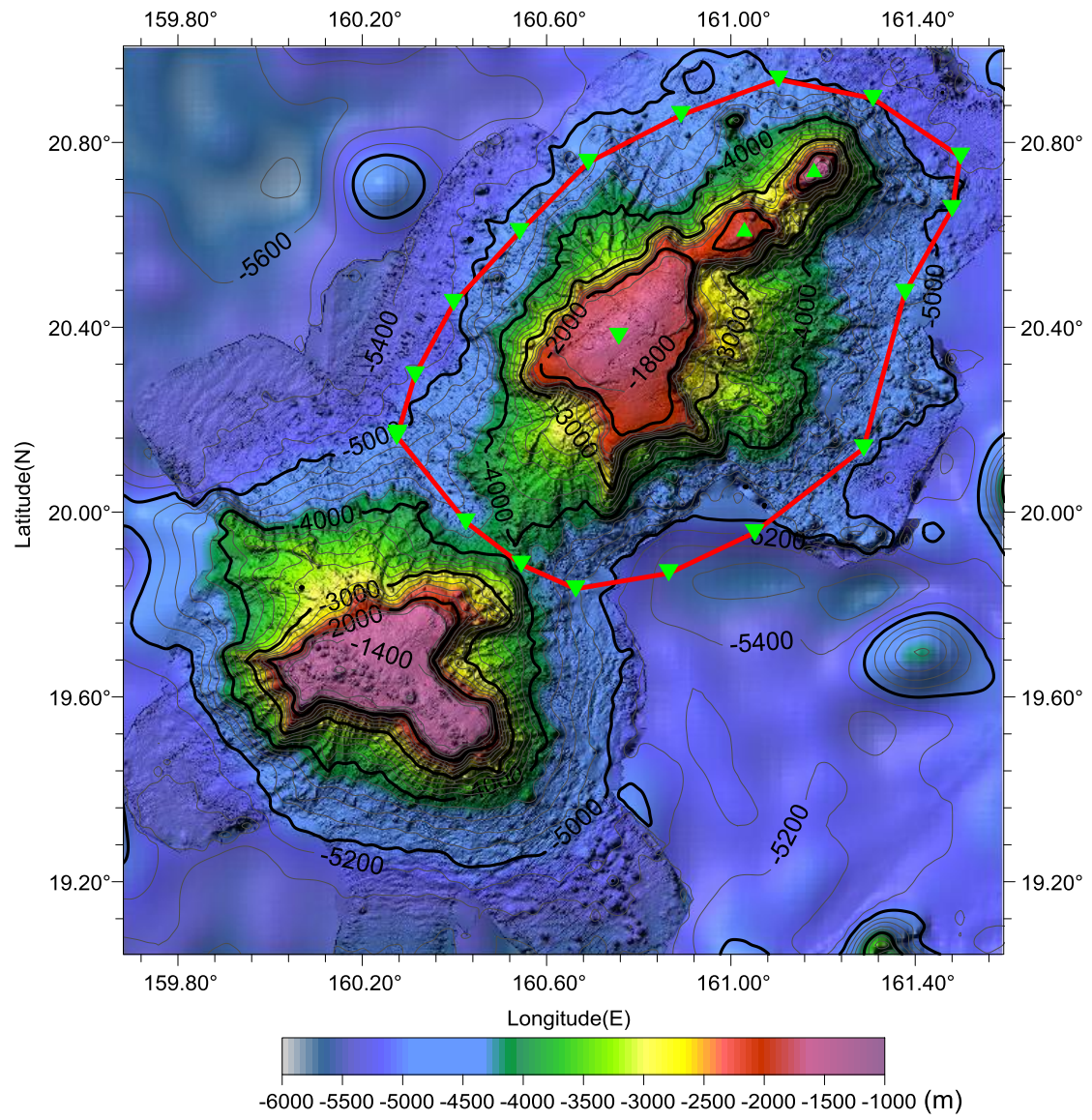


Fig.2 Bathymetric map of the Niulang Guyot. (Contours are in 200 m)

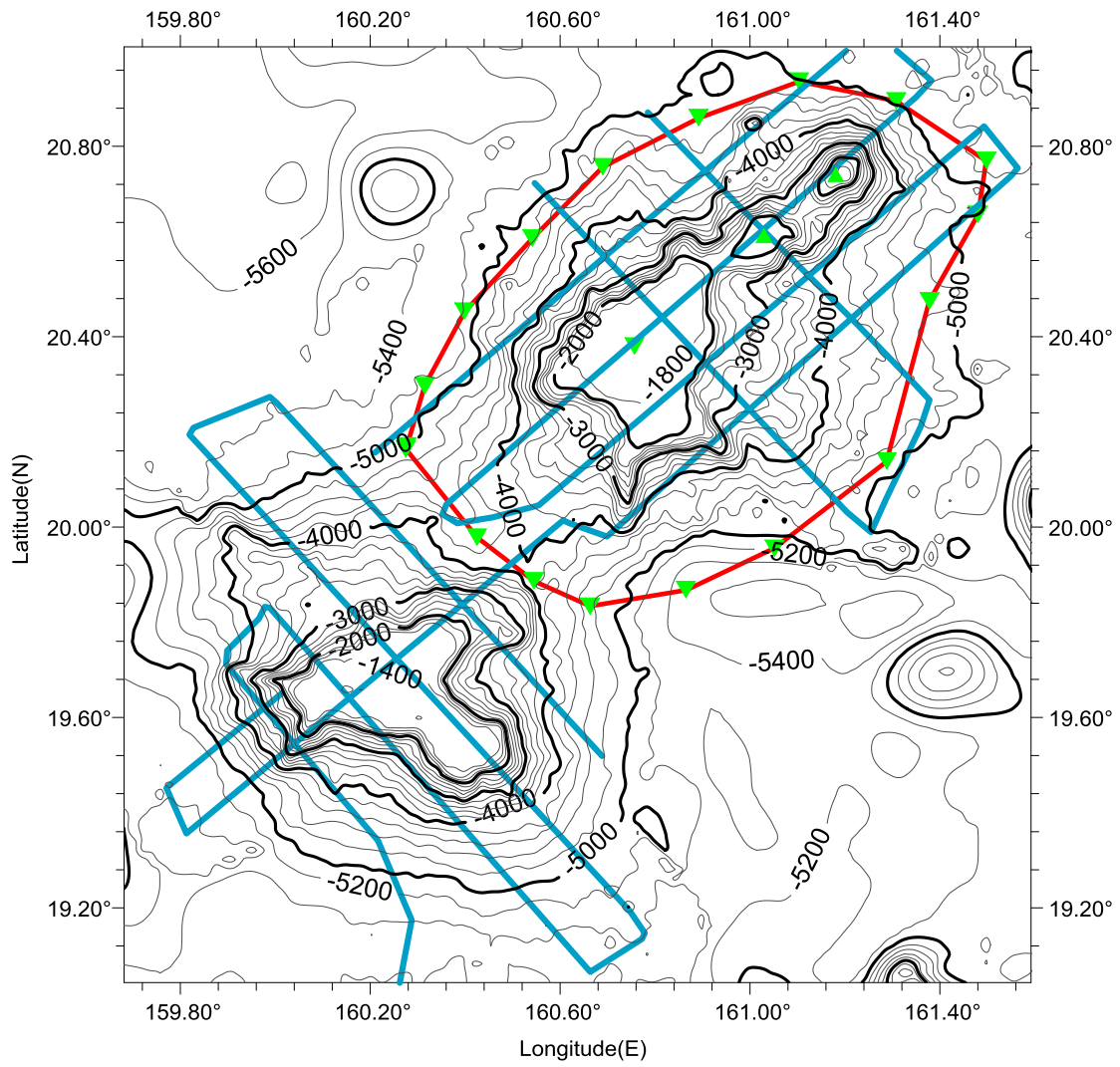


Fig.3 Bathymetric map of the Niulang Guyot, showing track lines. (Contours are in 200 m)

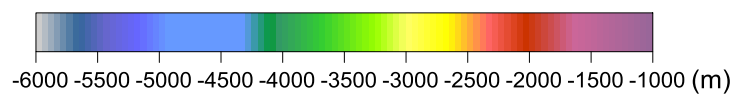
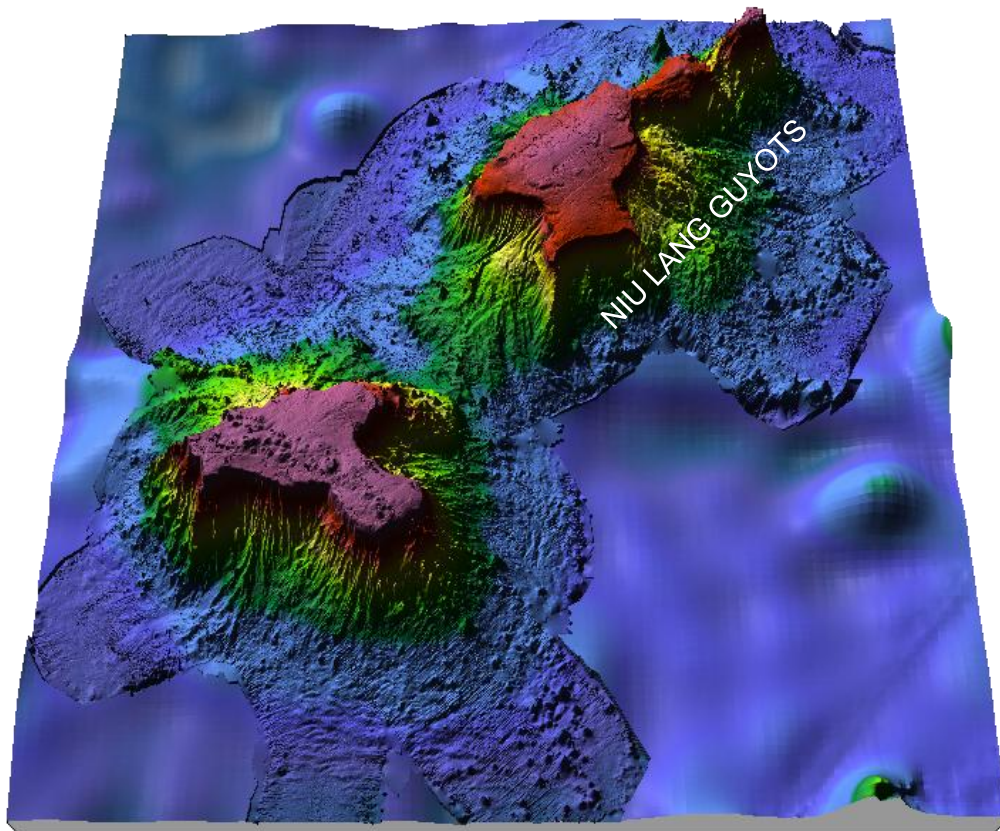


Fig.4 3-D bathymetric map of the Niulang Guyot

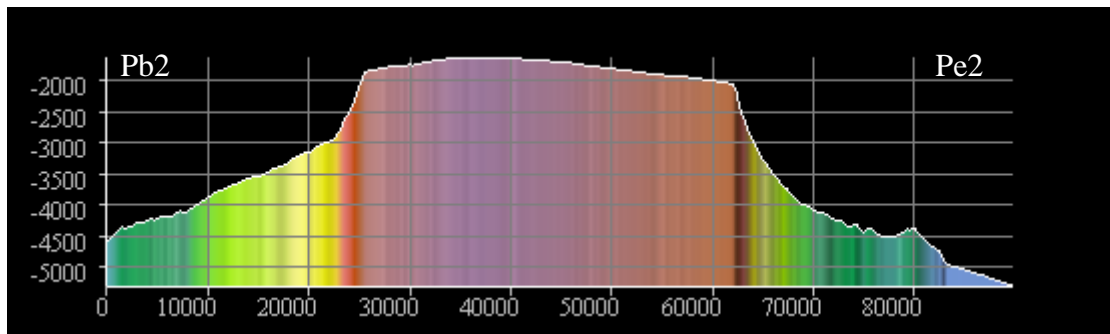
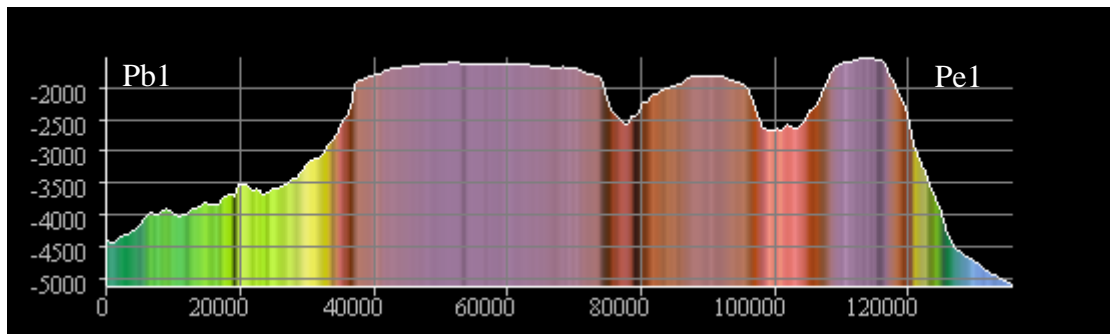
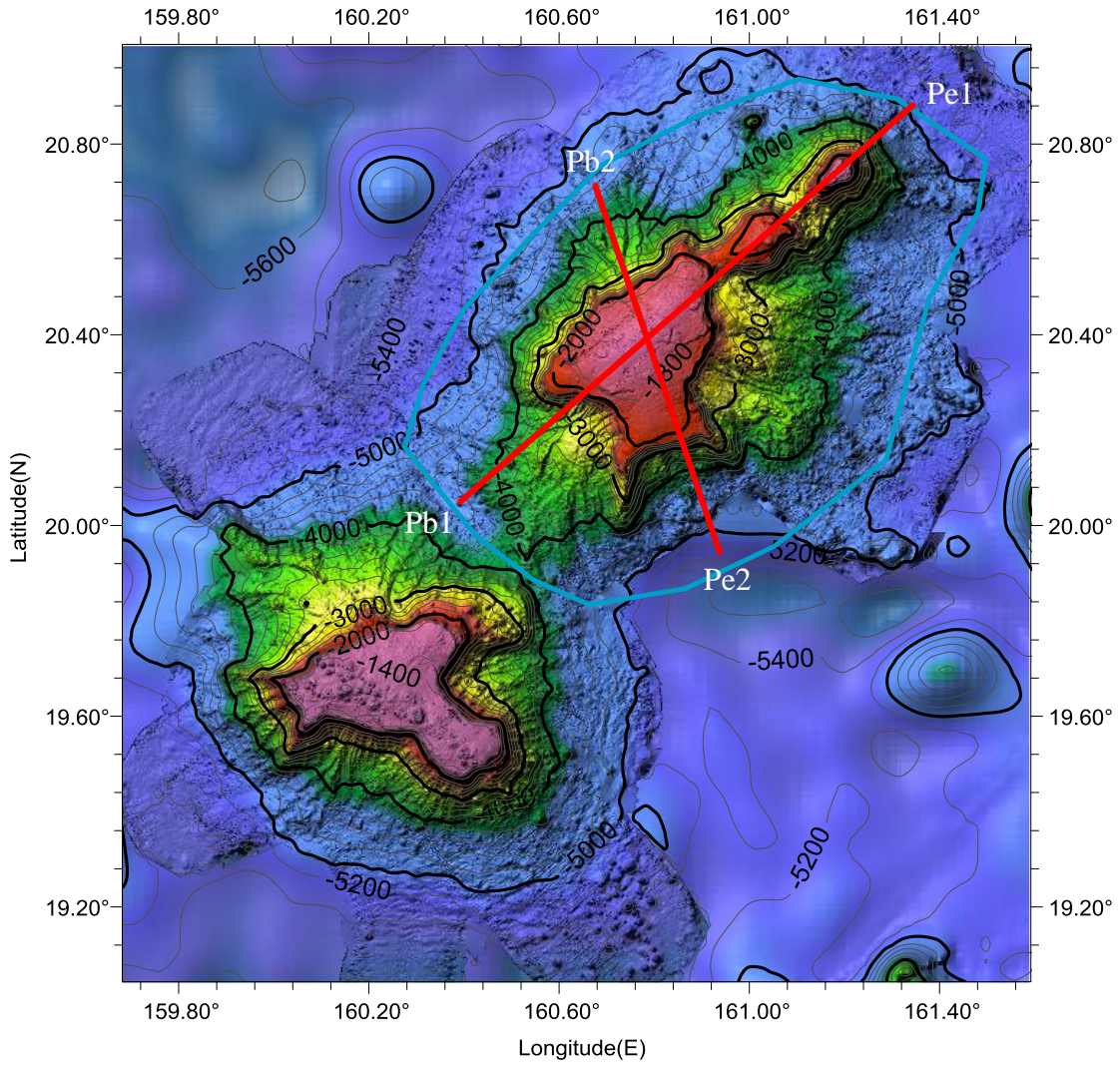


Fig.5 Profiles bathymetric map of the Niulang Guyot