

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	<b>PENGLAI SEAMOUNT</b>	Ocean or Sea:	<b>Northwest Pacific Ocean</b>
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Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple Point s	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:	19° 12.3' N(summit)	158° 14.0' E(summit)
	19° 19.0' N(base)	158° 12.3' E(base)
	19° 17.7' N	158° 17.6' E
	19° 15.5' N	158° 20.6' E
	19° 11.7' N	158° 22.3' E
	19° 7.2' N	158° 20.6' E
	19° 4.5' N	158° 16.5' E
	19° 4.7' N	158° 11.9' E
	19° 8.1' N	158° 7.6' E
	19° 12.0' N	158° 6.8' E
19° 16.9' N	158° 7.9' E	

Feature Description:	Maximum Depth:	4000m	Steepness :	
	Minimum Depth :	1200m	Shape :	Circle
	Total Relief :	2800m	Dimension/Size :	28km×26km

Associated Features:	Belong to Marcus-Wake Ridge, the northeast side close to Lamont Seamount, with the northwest-southeast extension.XUFU Guyot is on the northwest side.
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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):	<p>In the Chinese legend, Penglai is one of the mount in the ocean where the gods live, and it is said people could get magical medicine from gods. XUFU was sent by the first Emperor of Qin to look for the elixir of life from the ocean. Penglai mount is one of his destinations.</p> <p>Because of this feature is just near by the XUFU GUYOT, we name it as PENGLAI SEAMOUNT to memorize the whole history event.</p>
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Discovery Facts:	Discovery Date:	Aug.2004
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Aug.2004
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Norwegian EM120 multi-beam sounding system
	Type of Navigation:	SEASTAR 3100LRS WAD GPS
	Estimated Horizontal Accuracy (nm):	0.0053nm
	Survey Track Spacing:	8'
	Supporting material can be submitted as Annex in analog or digital form. See Attachments	

Proposer(s):	Name(s):	Zhanhai ZHANG
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Remarks:	
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Attachments:

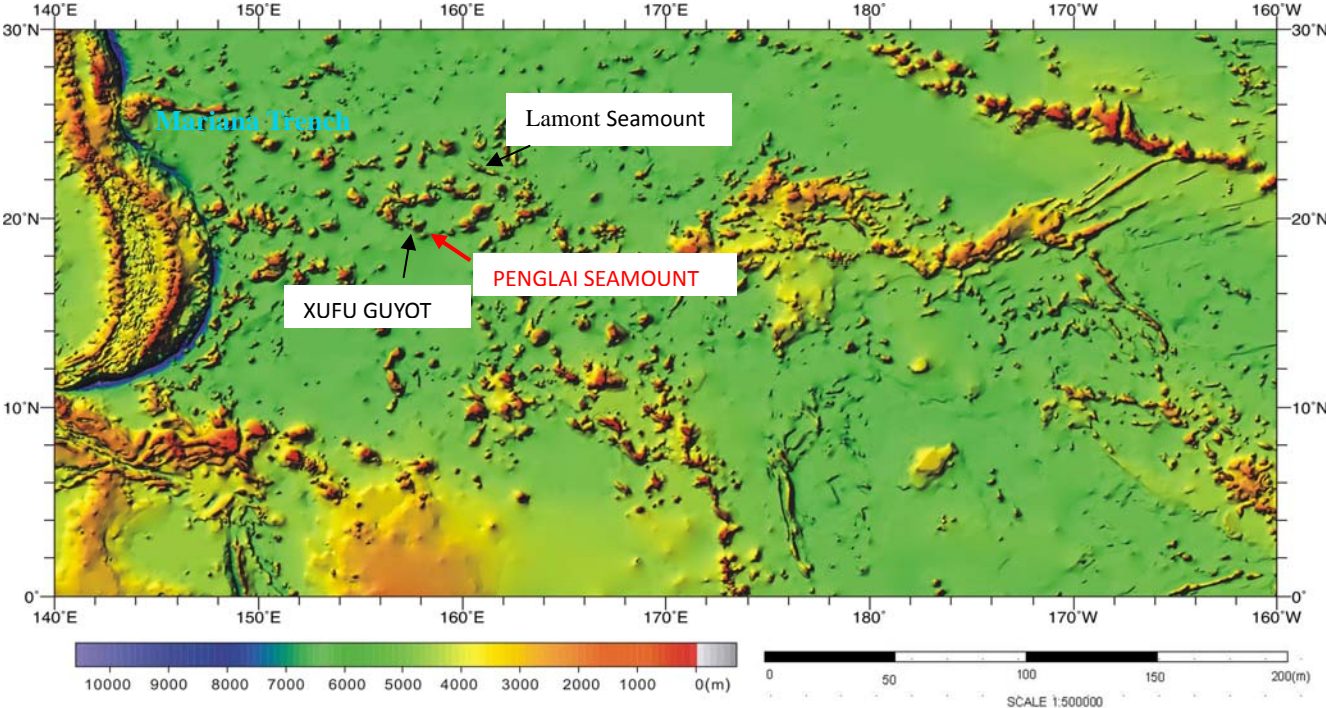


Fig.1 Index map showing the location of the PENGLAI SEAMOUNT

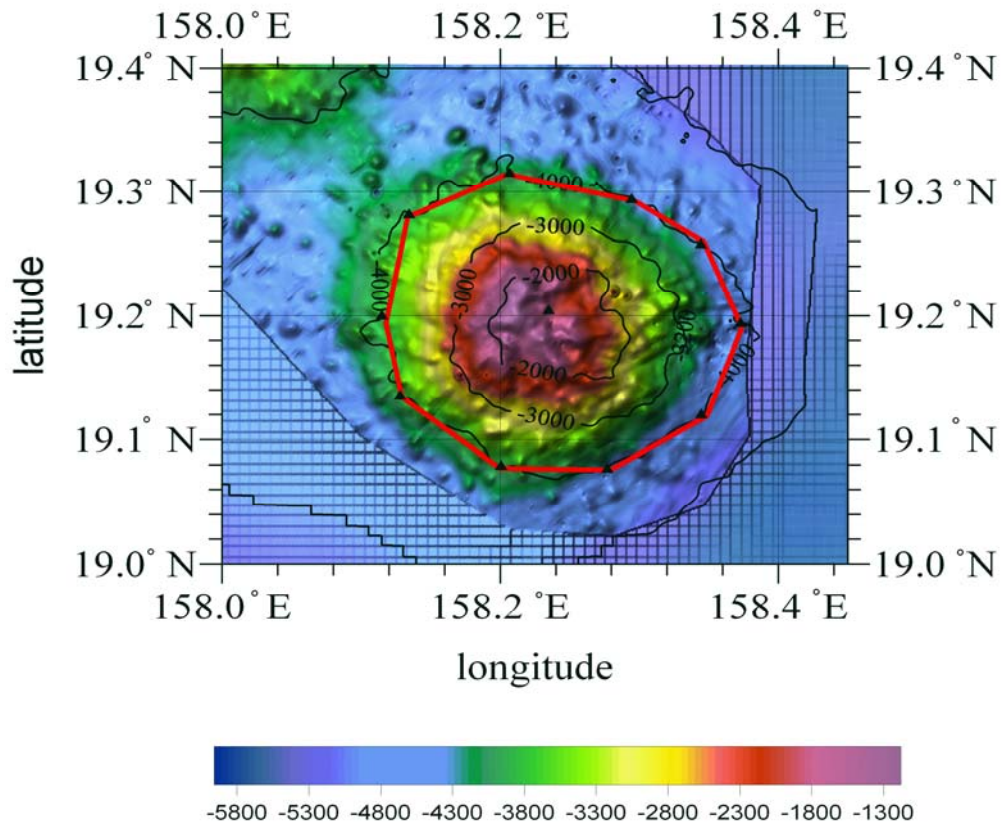


Fig.2 Bathymetric map of the PENGLAI SEAMOUNT.

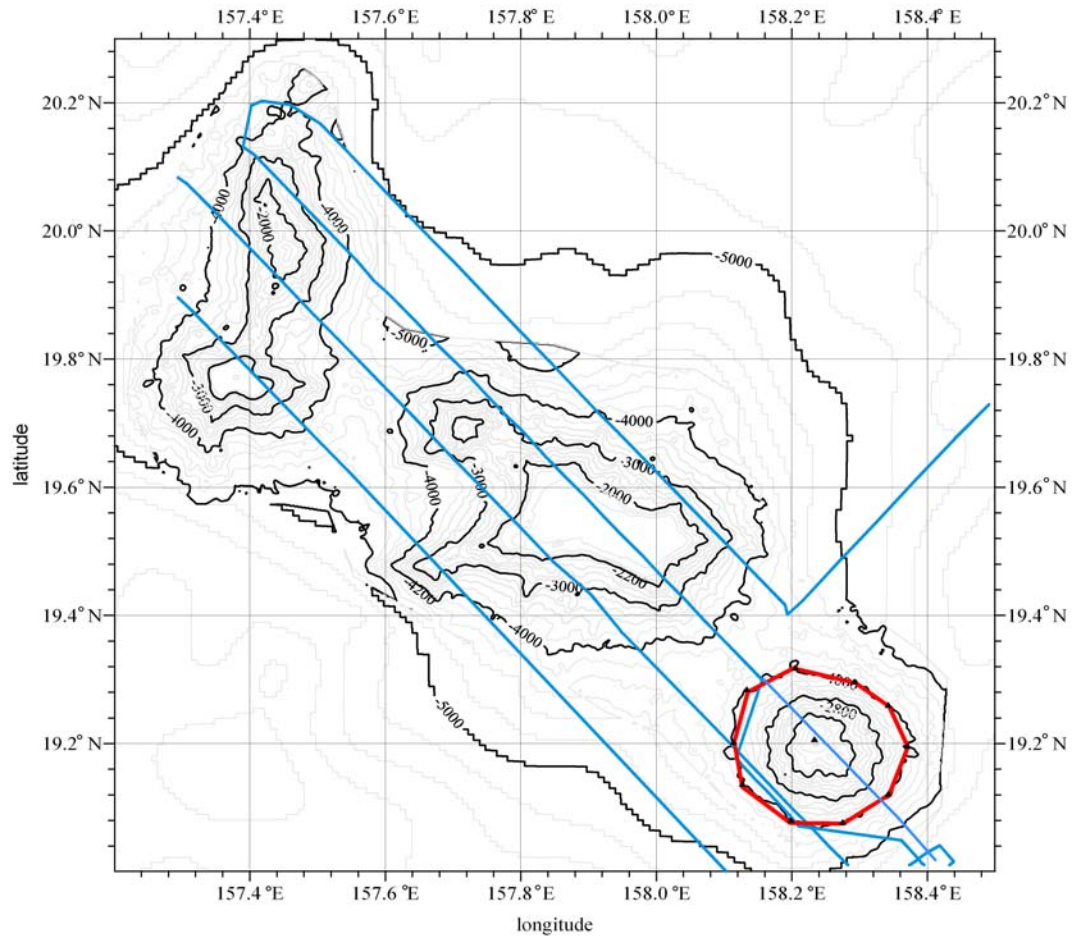


Fig.3 Bathymetric map of the PENGLAI SEAMOUNT, showing track lines.

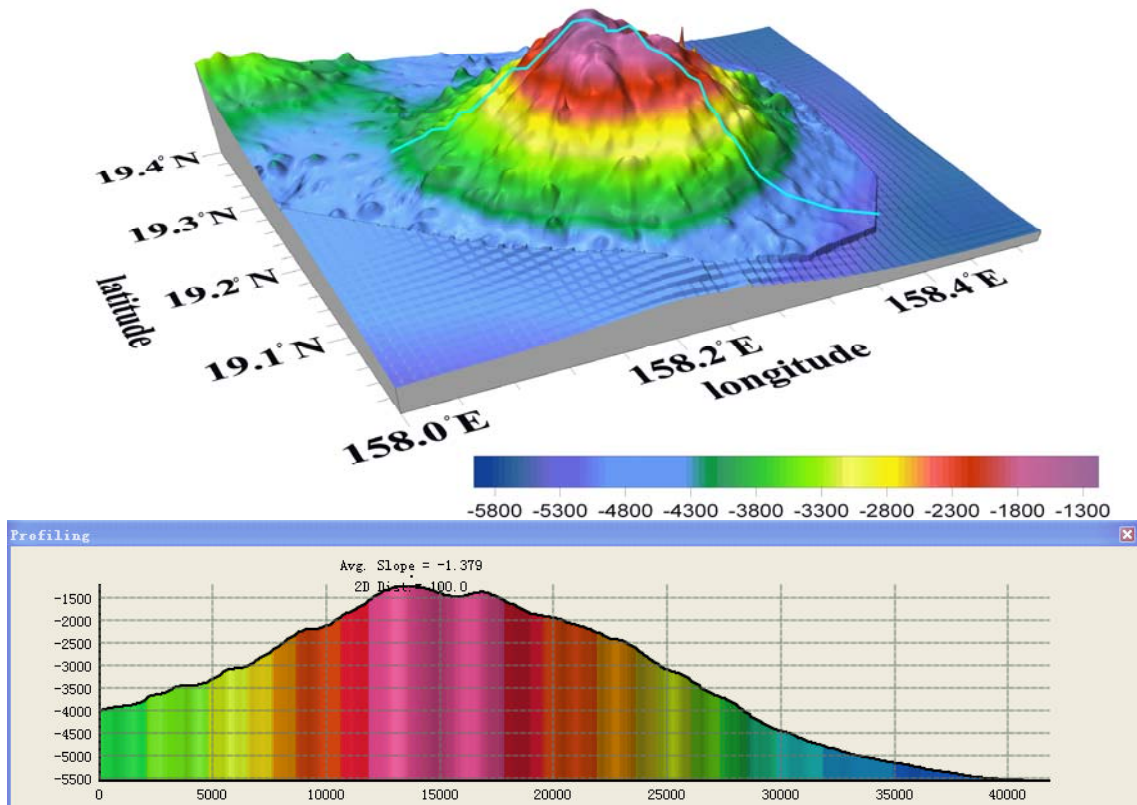


Fig.4 3-D bathymetric map and profile of the PENGLAI SEAMOUNT