

UNDERSEA FEATURE NAME PROPOSAL

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

Name Proposed:	NIAO CHAO CALDERA	Ocean or Sea:	East Pacific Rise
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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:	1°22.0'S (Inner center)	102°27.5'W (Inner center)
	1°21.7'S	102°28.3'W
	1°21.4'S	102°28.0'W
	1°21.3'S	102°27.8'W
	1°21.2'S	102°27.4'W
	1°21.2'S	102°27.0'W
	1°21.3'S	102°26.8'W
	1°21.5'S	102°26.6'W
	1°21.9'S	102°26.6'W
	1°22.2'S	102°26.6'W
	1°22.5'S	102°26.7'W
	1°22.7'S	102°27.0'W
	1°22.8'S	102°27.3'W
	1°22.8'S	102°27.7'W
	1°22.6'S	102°27.9'W
	1°22.4'S	102°28.1'W
	1°22.1'S	102°28.3'W
1°21.9'S	102°28.4'W	
1°21.7'S	102°28.4'W	

Feature Description:	Maximum Depth:	2875 m	Steepness :	11°
	Minimum Depth :	2625 m	Shape :	Circular(Annular)
	Total Relief :	250 m	Dimension/Size :	3.5 km × 3.5 km

Associated Features:	Off-axis collapse caldera near the seafloor spreading axis of the Eastern Pacific Rise, showing circular (annular) shape.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The feature was discovered during the 20 th Cruise conducted by the China Ocean Mineral Resources R&D Association on board the R/V Dayang Yihao in August 2008 when the 28 th Olympic Games was going on in Beijing, China. The feature looks like the building of the Beijing National Stadium known as the "Bird's nest" for its architecture. Bird's nest is Niaochao in Chinese pronunciation. Thus, the feature has been named NIAO CHAO CALDERA .
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Discovery Facts:	Discovery Date:	Aug. 22-23, 2008
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Aug. 22-23, 2008
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Norwegian EM120 multi-beam sounding system
	Type of Navigation:	StarFire2050M WAD GPS
	Estimated Horizontal Accuracy (nm):	0.0053nm
	Survey Track Spacing:	8.5 km
	Supporting material can be submitted as Annex in analog or digital form: See Attachments	

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Remarks:	
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Attachments:

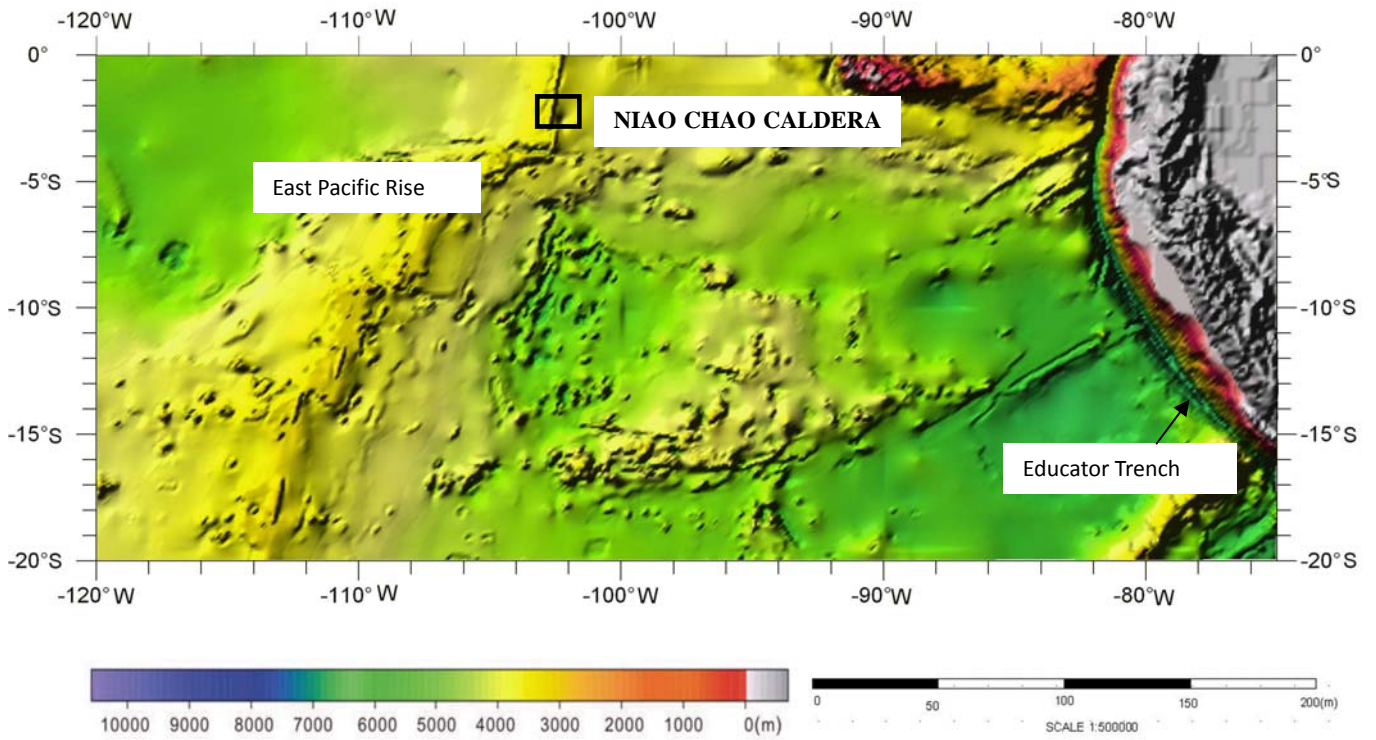


Fig.1 Index map showing the location of the **NIAO CHAO CALDERA**

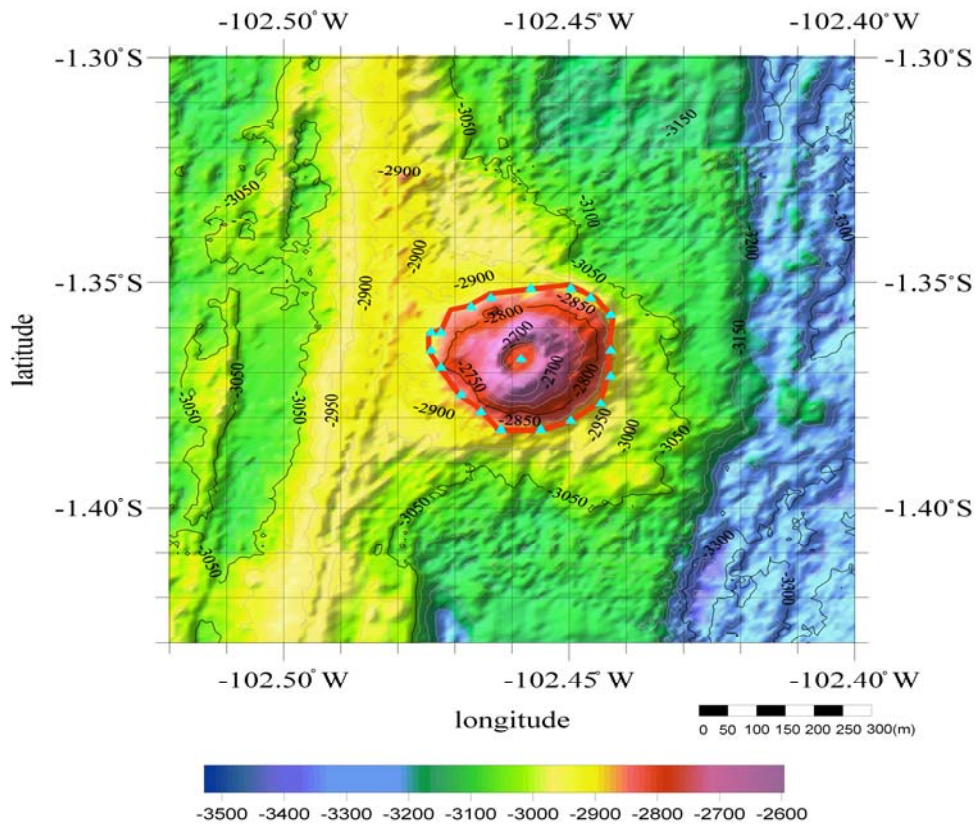


Fig.2 Bathymetric map of the **NIAO CHAO CALDERA**. (Contours are in 50 m)

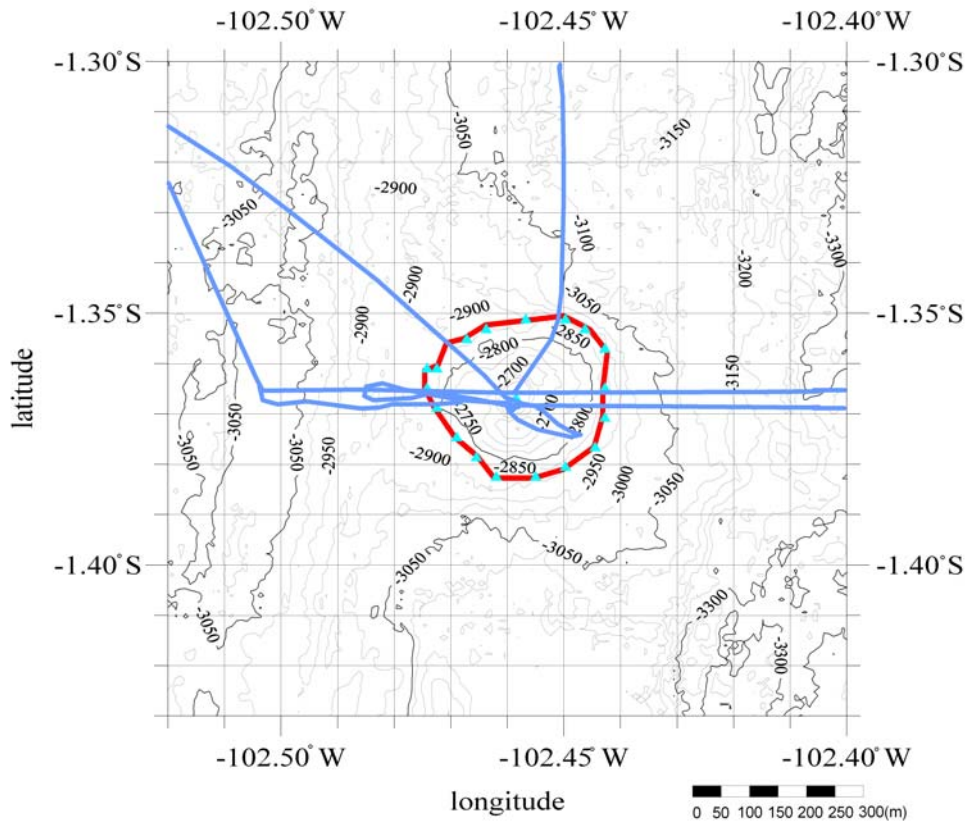
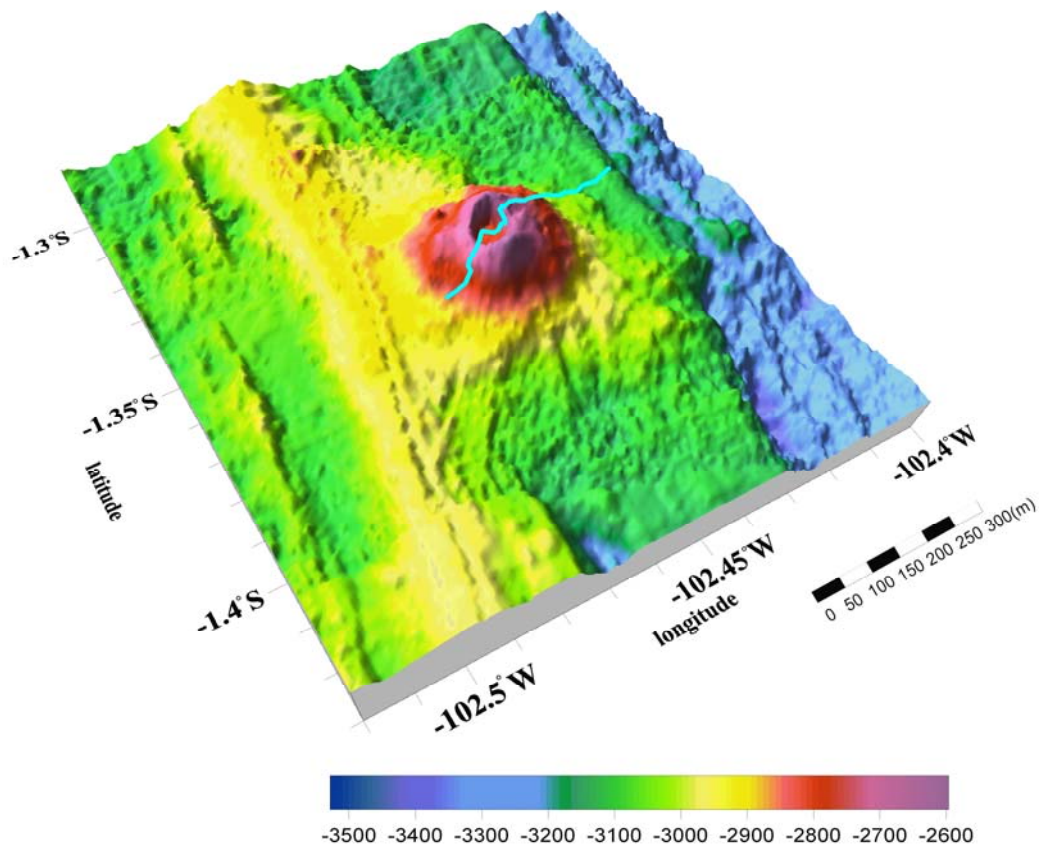


Fig.3 Bathymetric map of the NIAO CHAO CALDERA, showing track lines.
(Contours are in 50 m)



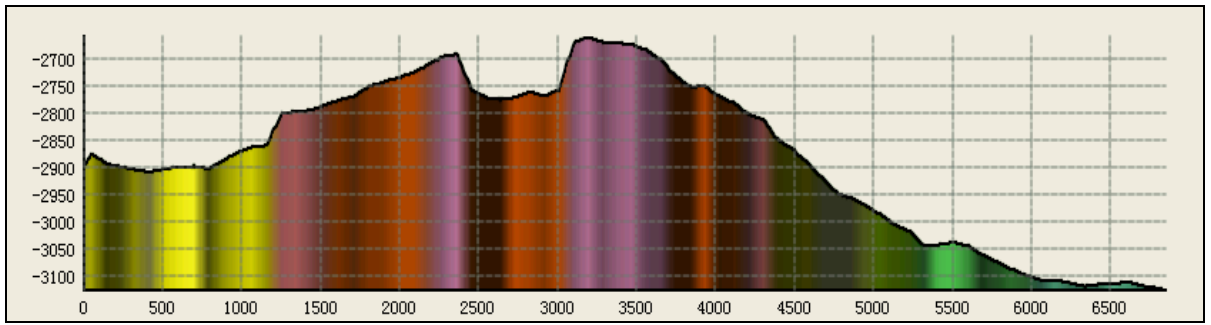


Fig.4 3-D bathymetric map and profile of the **NIAO CHAO CALDERA**