

INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

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

Name Proposed:	TONG GONG SEAMOUNTS	Ocean or Sea:	Northwest Pacific
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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.

Coordinates:	Lat. (e.g. 63° 32.6' N)	Long. (e.g. 046° 21.3' W)
		14°13.8'N (summit)
	14°05.9'N (summit)	165°37.5'W (summit)
	14°00.0'N (summit)	165°45.0'W (summit)
	13°46.6'N (summit)	165°40.2'W (summit)
	13°42.6'N (summit)	165°27.0'W (summit)
	13°16.2'N (summit)	165°28.2'W (summit)
	14°24.6'N (bottom)	166°12.6'W (bottom)
	14°28.8'N	166°08.4'W
	14°28.8'N	166°02.4'W
	14°13.8'N	165°36.0'W
	13°51.0'N	165°17.4'W
	13°12.0'N	165°17.4'W
	13°02.2'N	165°27.1'W
	13°07.2'N	165°34.2'W
	13°36.6'N	165°43.2'W
	13°46.8'N	165°53.4'W
	13°58.2'N	165°54.6'W
	14°15.0'N	166°13.2'W
	14°19.8'N	166°14.4'W

Feature Description:	Maximum Depth:	5410m	Steepness :	
	Minimum Depth :	1290m	Shape :	
	Total Relief :	4120m	Dimension/Size :	180km×63km

Associated Features:	TONG GONG SEAMOUNTS compose of six seamounts. The north west-south east extension forms the long strip seamounts. The seamount on the northwest side is the largest, with the minimum depth of 1505m. The other five seamounts are relatively smaller, and the minimum depths are 2599m, 3322m, 2012m, 1642m, 1290m respectively.
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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):	TONG GONG is one kind of popular ancient weapons of China. TONG GONG is also the title of one of the poems in "SHI JING·XIAO YA" (an ancient book of poems). According to the record, the Emperor of Zhou Dynasty usually rewarded meritorious subordinates with bows, which showed the ritual system from Western Zhou Dynasty to the Spring and Autumn Period. This poem is the actual reflection of this ritual system. TONG GONG SEAMOUNTS is named based on the distribution of seamounts shaping like the bow described in the poem of "TONG GONG".
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Discovery Facts:	Discovery Date:	May-July, 2003
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	Date of Survey:	2003
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipement:	SeaBeam2112.36 system
	Type of Navigation:	Oministar WAD GPS
	Estimated Horizontal Accuracy (nm):	0.008~0.027 nm
	Survey Track Spacing:	2.5'
	Supporting material can be submitted as Annex in analog or digital form. See Attachments	

Proposer(s):	Name(s):	Zhanhai ZHANG
	Date:	12 August 2011
	E-mail:	heyunxu@hotmail.com
	Organization and Address:	State Oceanic Administration, China No.1 Fuxingmenwai Ave. Beijing

Remarks:	
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Attachments:

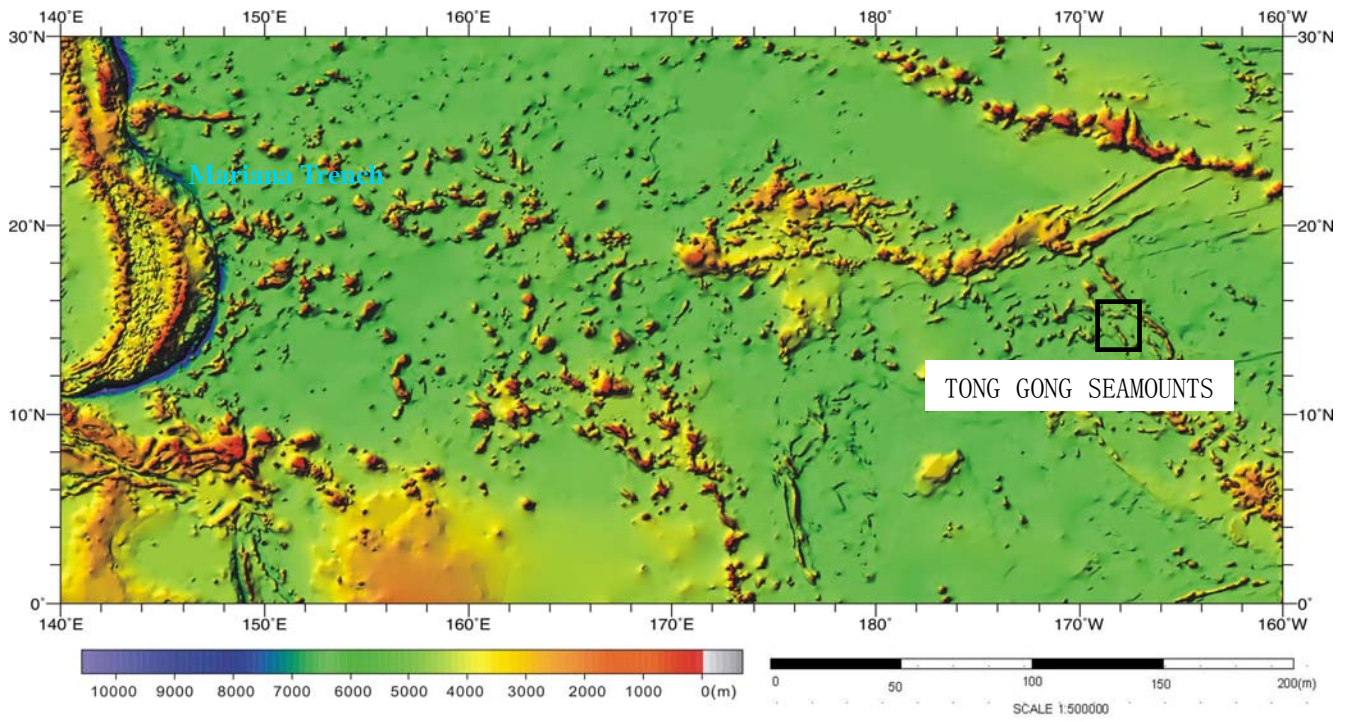


Fig. 1 Index map showing the location of the TONG GONG SEAMOUNTS

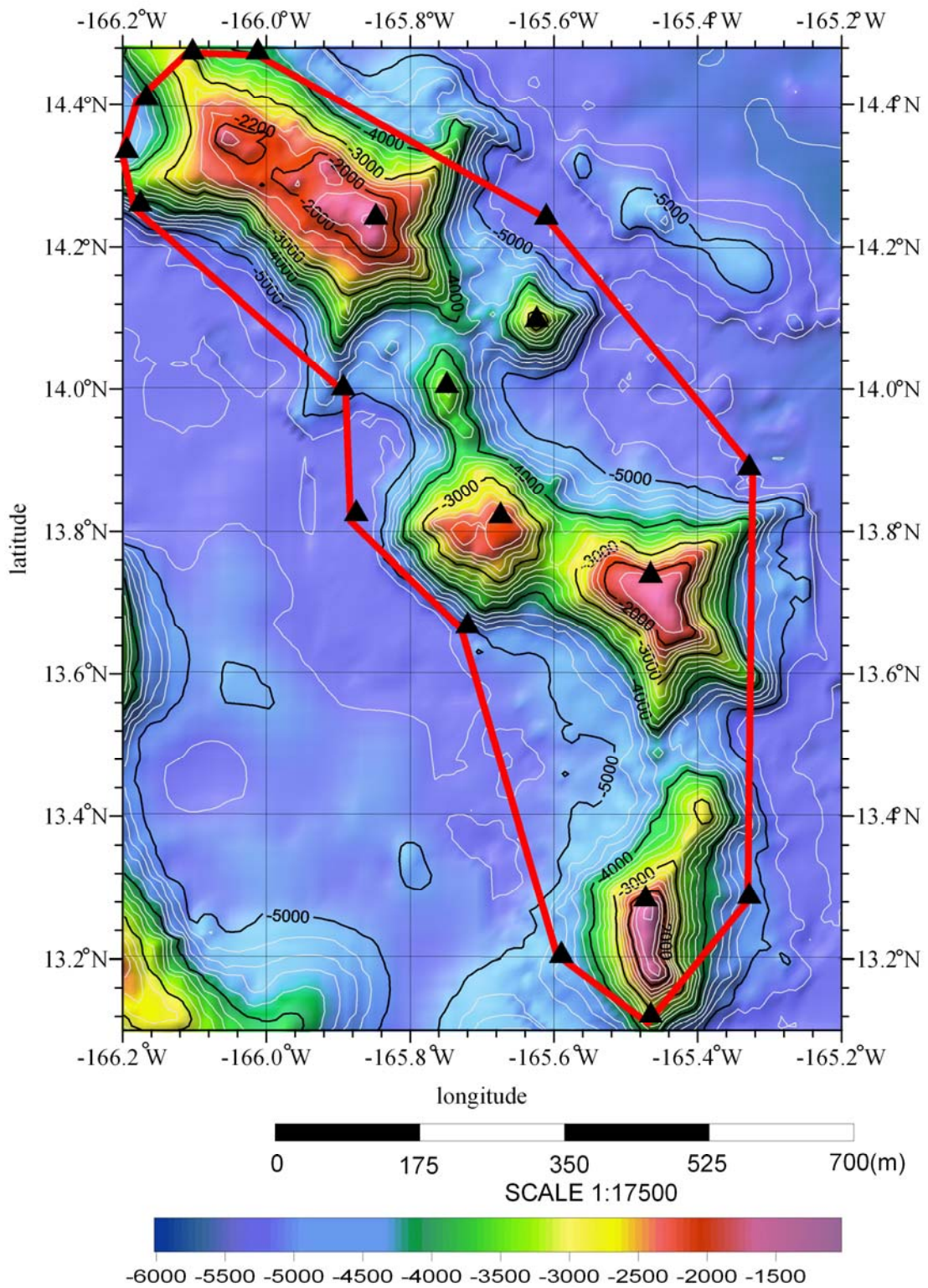


Fig. 2 Bathymetric map of the TONG GONG SEAMOUNTS. (Contours are in 200m)

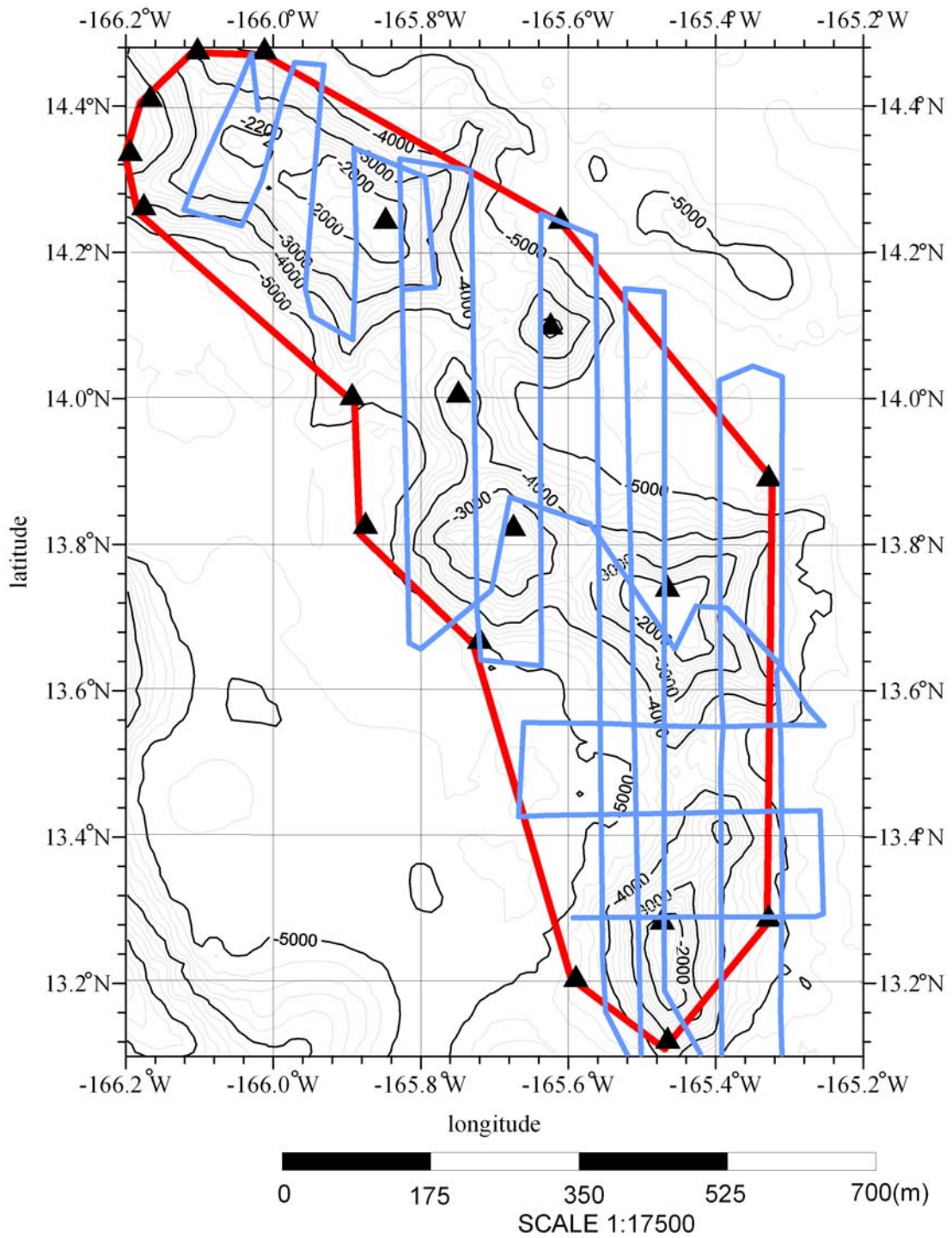


Fig. 3 Bathymetric map of the TONG GONG SEAMOUNTS, showing track lines. (Contours are in 200m)

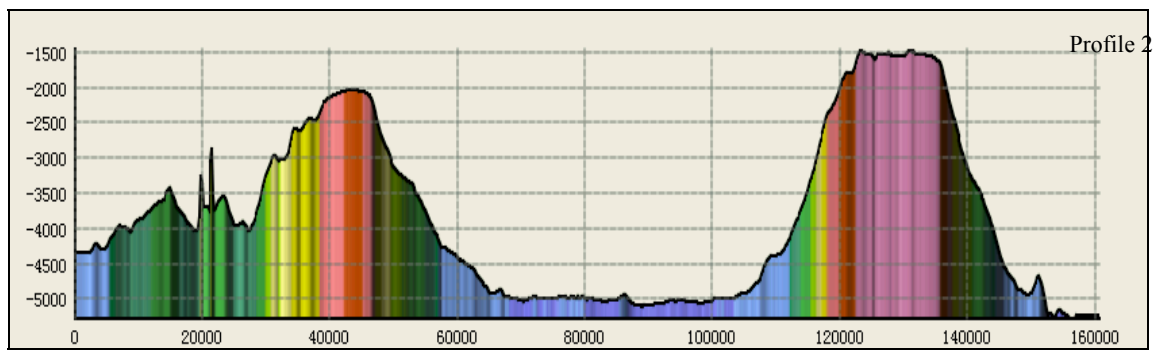
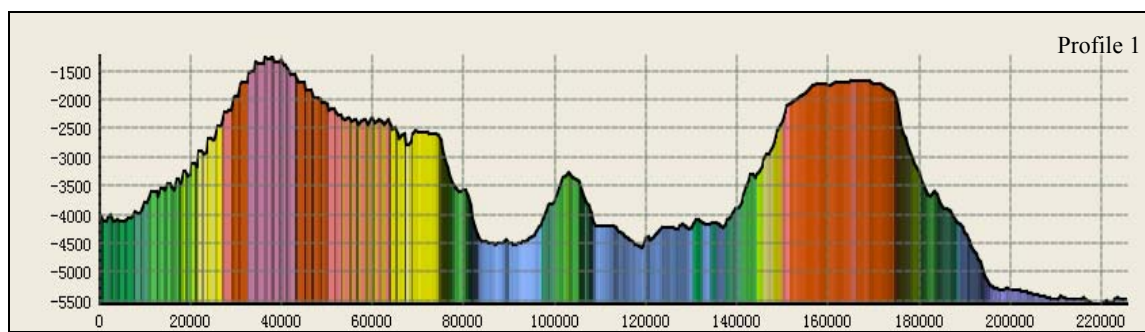
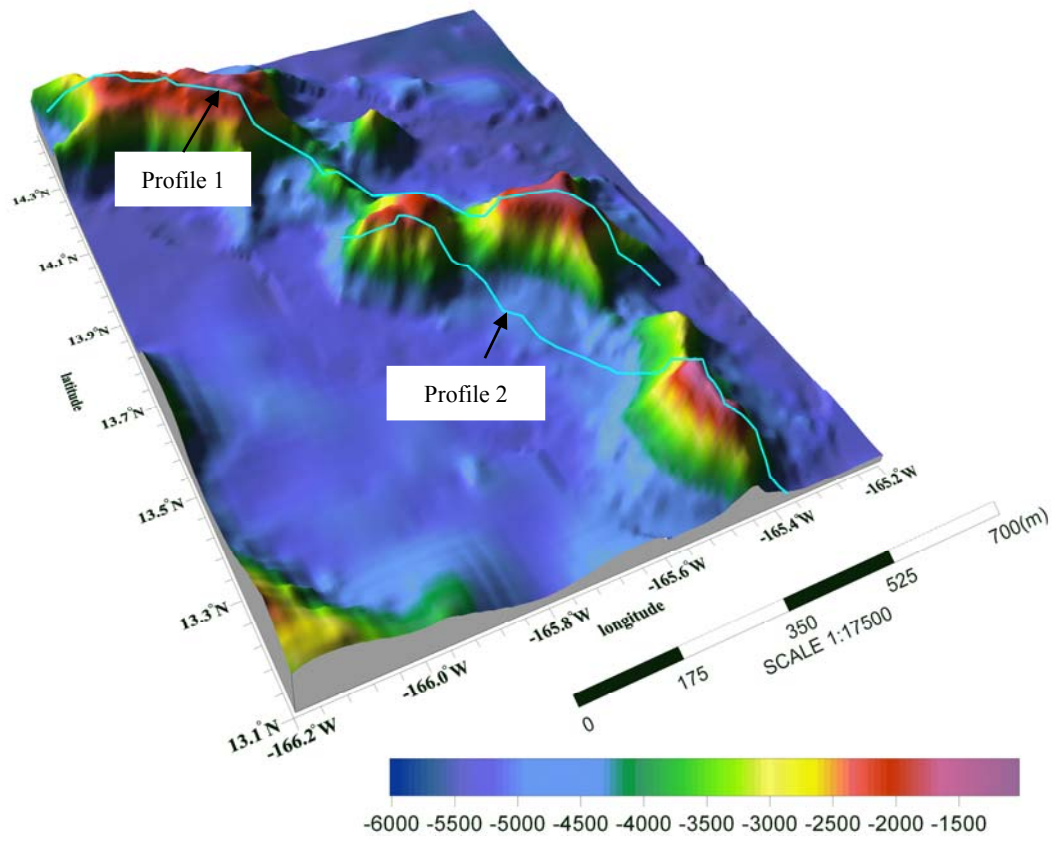


Fig. 4 3-D bathymetric map and profiles of the TONG GONG SEAMOUNTS