INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

(See **NOTE** overleaf)

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

Name Proposed:	Longbei Seamount	**Ocean or Sea:**	South China Sea

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:	14°00.0′N（summit）	114°52.3′E（summit）
	14°01.7′N（bottom）	114°43.8′E（bottom）
	14°05.8′N	114°47.0′E
	14°09.5′N	114°56.7′E
	14°12.5′N	114°57.6′E
	14°12.4′N	114°58.6′E
	14°08.9′N	115°00.1′E
	14°07.5′N	114°59.8′E
	14°04.7′N	115°02.5′E
	13°56.4′N	115°03.0′E
	13°53.8′N	114°59.5′E
	13°50.4′N	114°58.0′E
	13°51.5′N	114°49.9′E
	13°49.5′N	114°47.7′E
	13°51.0′N	114°45.1′E
	13°53.9′N	114°46.6′E
	13°57.2′N	114°43.4′E
	14°01.7′N	114°43.8′E

Feature Description:	Maximum Depth:	4348m	Steepness :	
	Minimum Depth :	550m	Shape :	
	Total Relief :	3798m	Dimension/Size :	48km ×34km

Associated Features:	The seamount lies in the middle of South China Sea Basin. The shape of this Seamount is conical

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)**:**	The Chinese government named the seamount as Longbei Seamount in 1986. Longbei means this seamount is to the north of Longtou Seamount. In 2005, China carried out multi-beam measurement for this seamount again.

Discovery Facts:	Discovery Date:	1980-1982
	Discoverer (Individual, Ship):	R/V Haiyang Erhao

Supporting Survey Data, including Track Controls:	Date of Survey:	Mar-Sep 2005
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system（Seabeam2112）
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy (nm):	<=0.08 nm
	Survey Track Spacing:	5nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Zhu Benduo, Huang Wenxing
	Date:	2016.8.10
	E-mail:	Zhubenduo@163.com
	Organization and Address:	Guangzhou Marine Geological Survey, China Geological Survey. No.188 Guanghai Rd., Huangpu District, Guangzhou, China.

Remarks:	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names (CCUFN) No.1 Fuxingmenwai Ave. Beijing 100860 heyunxu@sina.com

Attachment

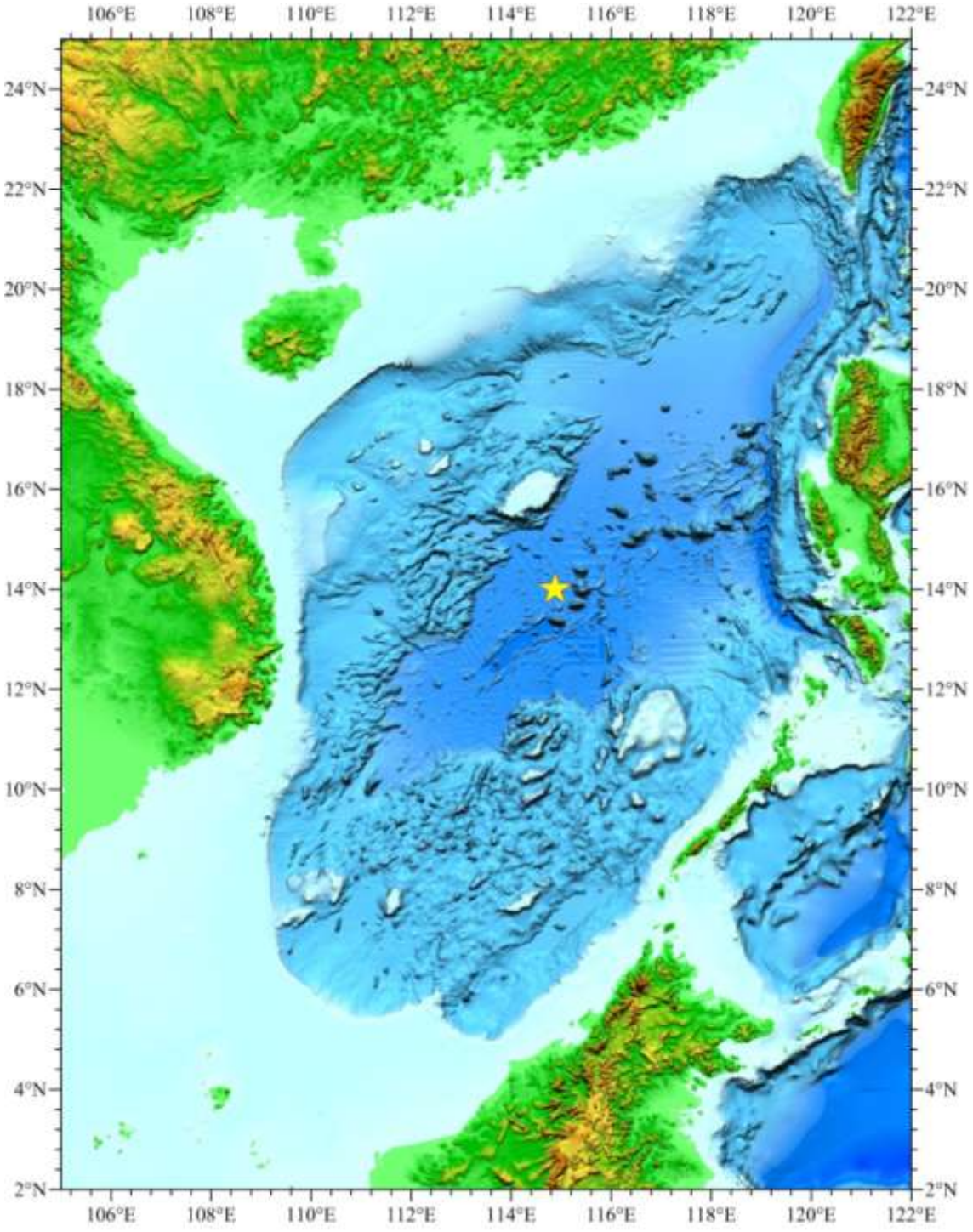

Fig.1 Index map showing the location of the Longbei Seamount

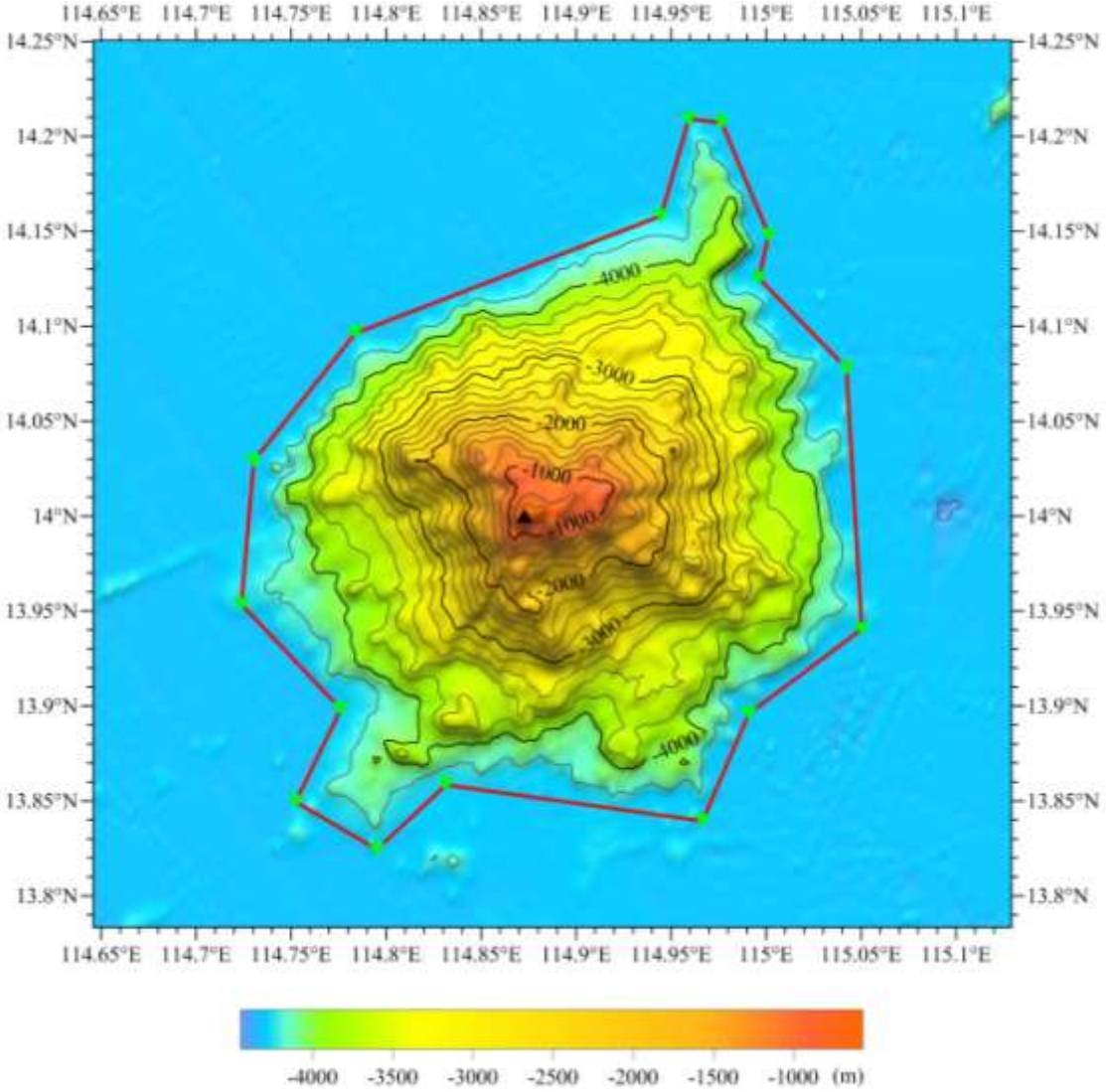

Fig.2 Bathymetric map of the Longbei Seamount (Contours are in 200 m)

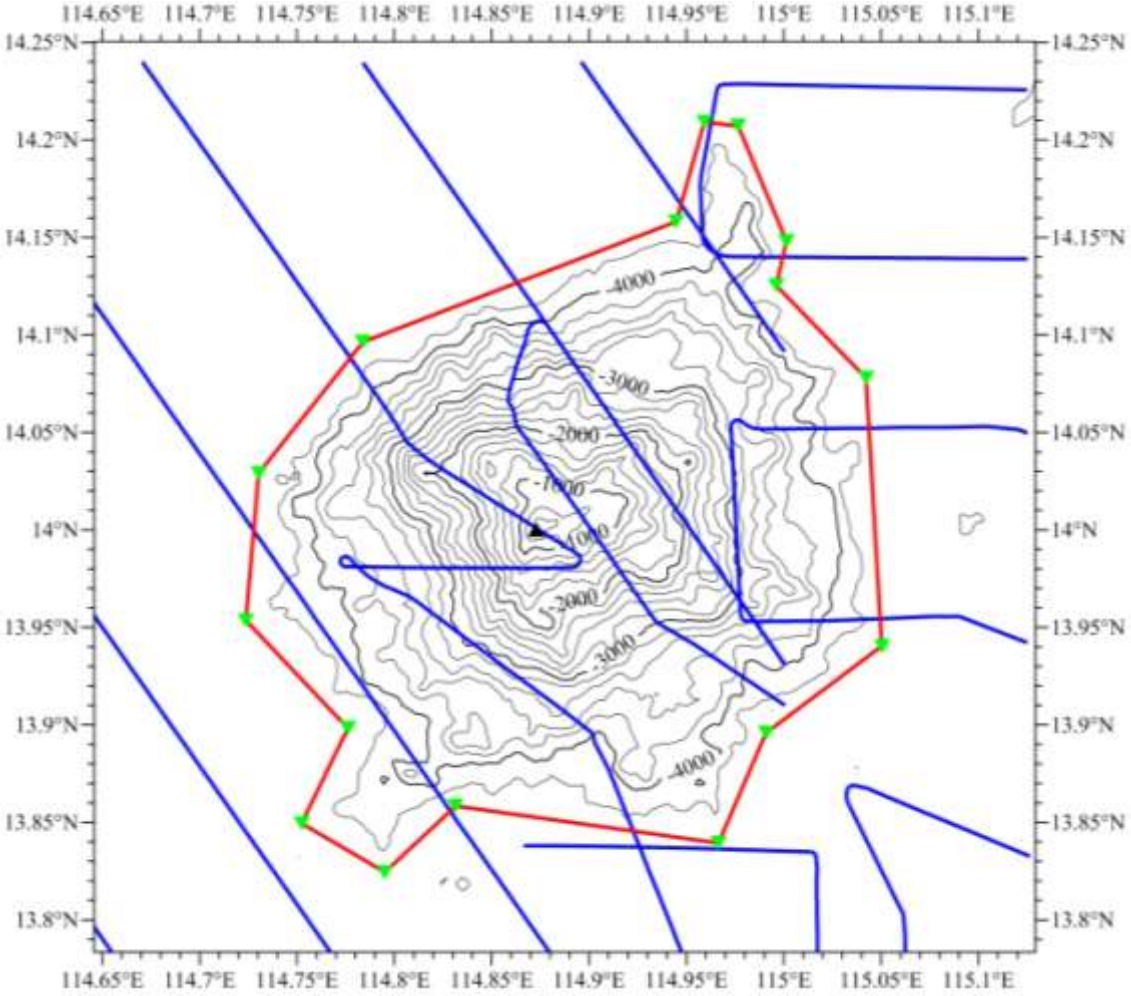

Fig.3 Bathymetric map of the Longbei Seamount overlain with track lines
(Contours are in 200 m, blue lines for the track lines)

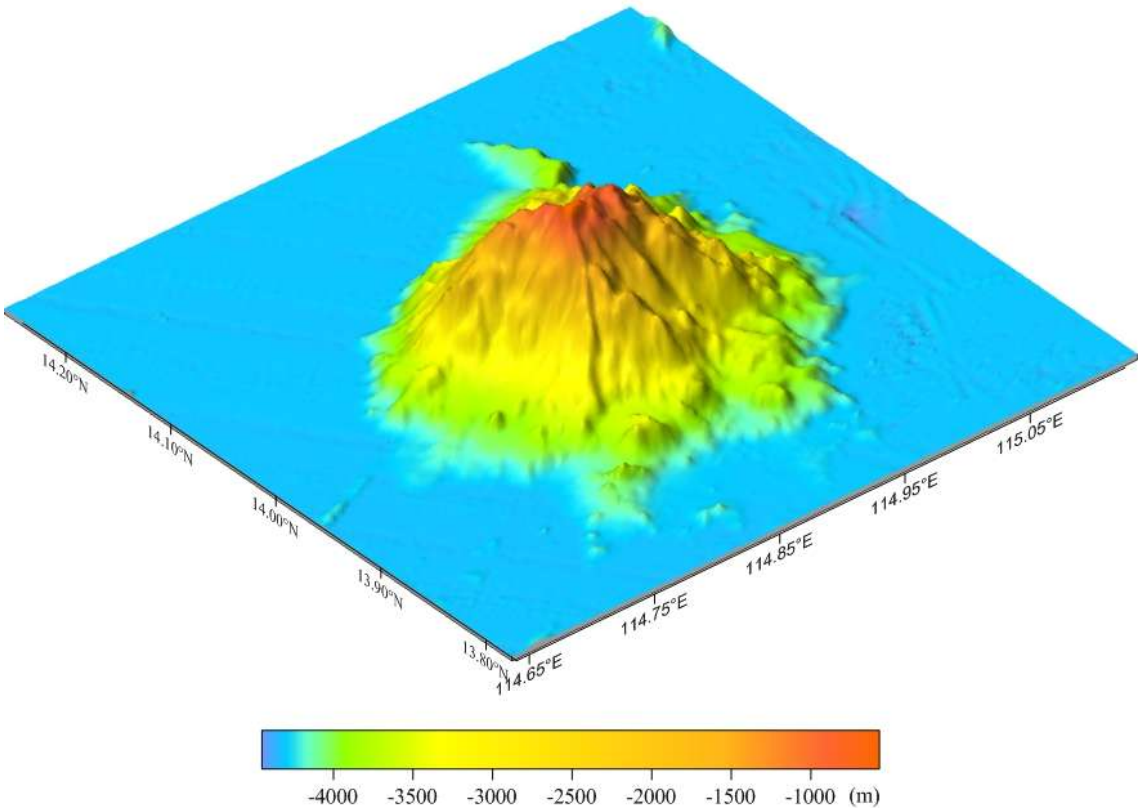

Fig.4 3-D bathymetric map of the Longbei Seamount

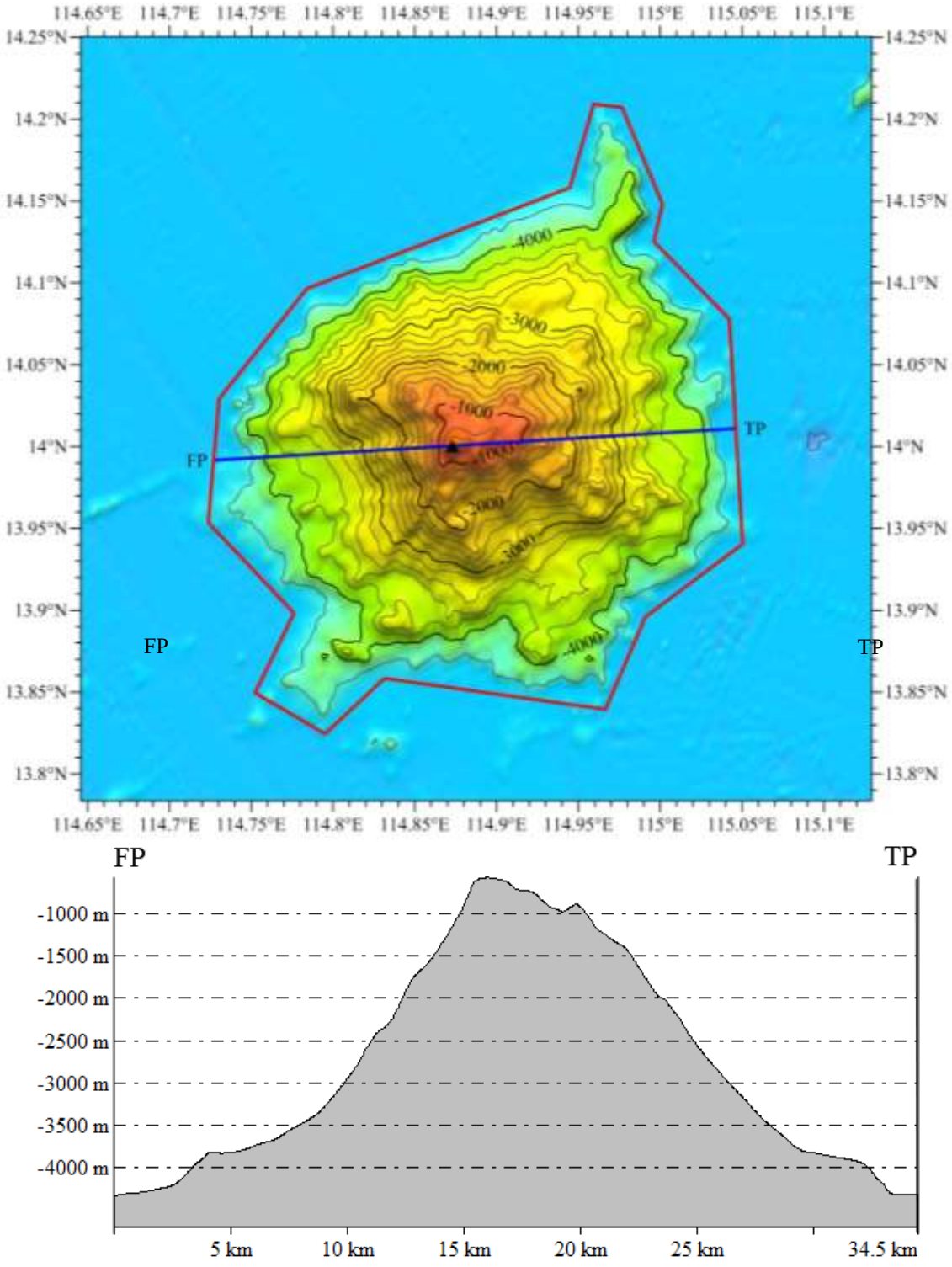

Fig.5 Profile map of the Longbei Seamount