INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

Name Proposed:	Yitong Canyons	**Ocean or Sea:**	South China Sea (SCS)

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:	Canyon1：18°31.2′N	113°51.4′E
	18°33.0′N	113°54.3′E
	18°33.9′N	113°57.0′E
	18°33.3′N	114°02.8′E
	18°31.3′N	114°11.1′E
	Canyon2：18°48.8′N	114°00.5′E
	18°45.6′N	114°03.4′E
	18°42.4′N	114°04.5′E
	18°40.4′N	114°06.4′E
	18°38.6′N	114°10.3′E
	18°35.9′N	114°12.1′E
	18°34.7′N	114°14.2′E
	Canyon3：18°55.7′N	114°06.3′E
	18°52.4′N	114°10.0′E
	18°47.9′N	114°16.1′E
	18°41.4′N	114°19.5′E
	18°38.8′N	114°21.3′E
	Canyon4：18°58.5′N	114°17.3′E
	18°58.4′N	114°20.2′E
	18°57.3′N	114°23.1′E
	18°56.1′N	114°24.2′E
	18°54.3′N	114°24.4′E
	18°52.1′N	114°24.0′E
	18°49.6′N	114°24.8′E
	18°46.3′N	114°27.4′E
	18°45.1′N	114°29.7′E
	18°43.8′N	114°30.6′E
	Canyon5：18°57.8′N	114°27.1′E
	18°55.0′N	114°28.7′E
	18°53.2′N	114°29.1′E
	18°49.2′N	114°30.9′E
	18°48.2′N	114°33.1′E
	18°44.5′N	114°36.5′E
	Canyon6：18°56.6′N	114°45.4′E
	18°53.2′N	114°46.6′E
	18°50.8′N	114°48.1′E
	18°47.1′N	114°48.1′E

	Canyon7： 18°59.3′N 18°58.1′N 18°54.1′N 18°50.7′N 18°45.9′N Canyon8： 19°03.4′N 18°57.6′N 18°54.6′N 18°48.1′N	114°47.0′E 114°48.7′E 114°50.1′E 114°50.8′E 114°51.3′E 114°58.4′E 114°57.9′E 114°58.2′E 115°0.70′E

Feature Description:	Maximum Depth:	3611m	Steepness :	3°-10°
	Minimum Depth :	1100m	Shape :	
	Total Relief :	2511m	Dimension/Size :	140km ×62km

Associated Features:	Yitong Canyons lies in the Northern SCS Slope, to the south of the Yitong Ansha. Yitong Canyons comprises a number of canyons which extend from northwest to southeast.

Chart/Map References:	Shown Named on Map/Chart:	Atlas of Geology and Geophysics of the South China Sea (1 : 2 000 000), published in 2015
	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)**:**	Yitong Canyons is adjacent to the Yitong Ansha, therefore Yitong is used to name the canyons. Yitong Ansha was named by the Chinese government in 1983.

Discovery Facts:	Discovery Date:	2008
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Apr.-Jul., 2008
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipement:	Multi-beam sounding system (Seabeam2112)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	2.5nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Zhang Huodai, Zhu Benduo
	Date:	Aug. 1st, 2017
	E-mail:	Zhubenduo@163.com
	Organization and Address:	Guangzhou Marine Geological Survey, China Geological Survey. No.188 Guanghai Rd., Huangpu District, Guangzhou, China.
	Concurrer (name, e-mail, organization and address):	

Remarks:	The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names(CCUFN). NO.1 Fuxingmengwai Street, Xicheng District,Beijing,China,100860 heyunxu@sina.com

NOTE: This form should be forwarded, when completed:

a) **If the undersea feature is located inside the external limit of the territorial sea**:
- to your "National Authority for Approval of Undersea Feature Names" (see Publication B-6) or, if this does not exist or is not known, either to the IHO or to the IOC (see addresses below);

b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea**:
- to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@iho.int Web: www.iho.int	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org Web: http://ioc-unesco.org/

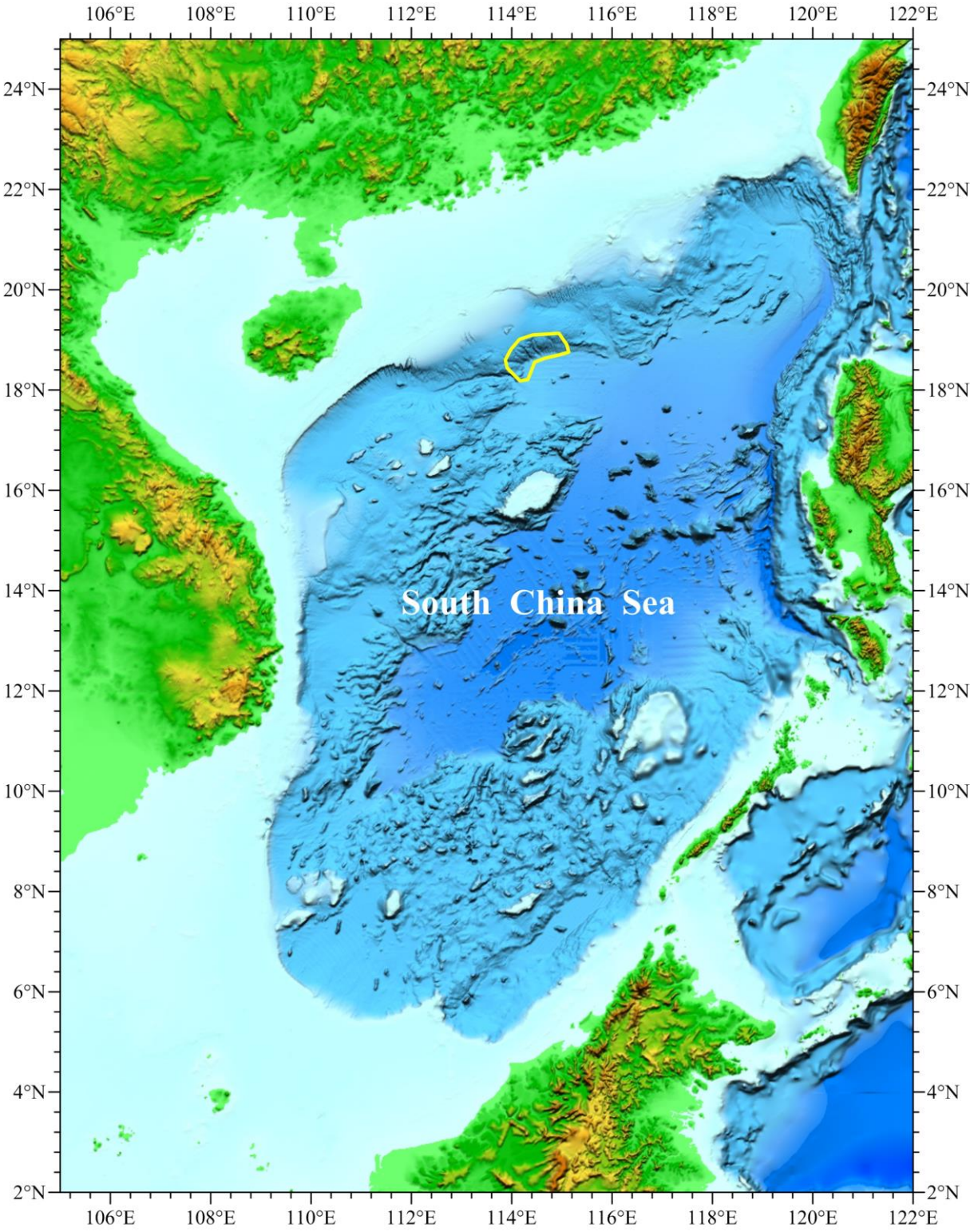

Fig.1 Index map showing the location of Yitong Canyons

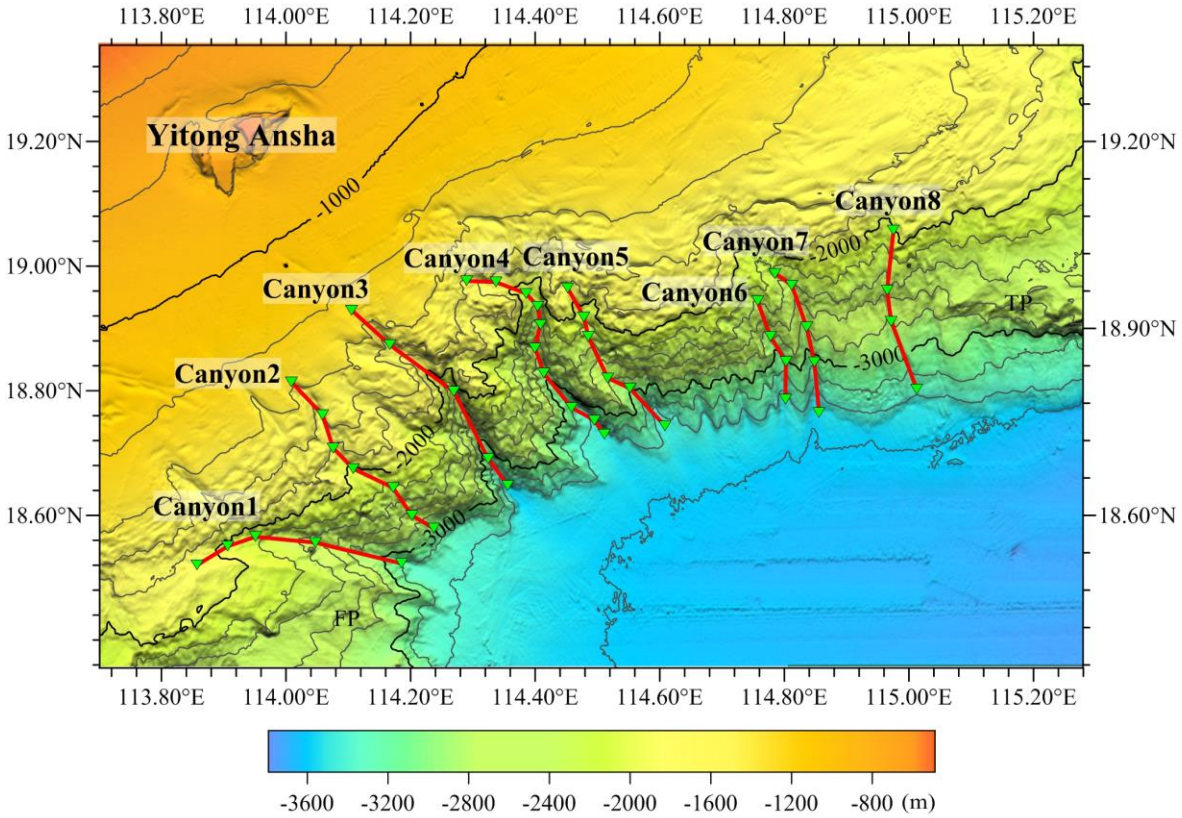

Fig.2 Bathymetric map of Yitong Canyons (Contours are in 200m)

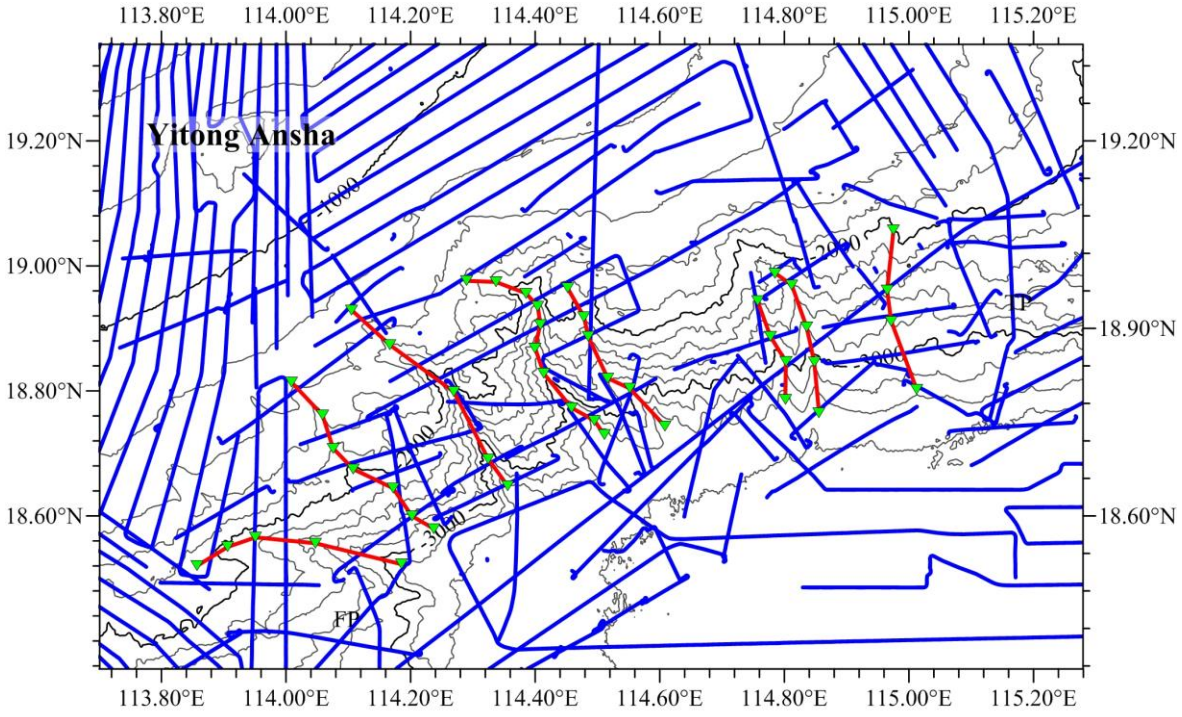

Fig.3 Bathymetric map of Yitong Canyons overlain with track lines (Contours are in 200m,blue lines for the track lines)

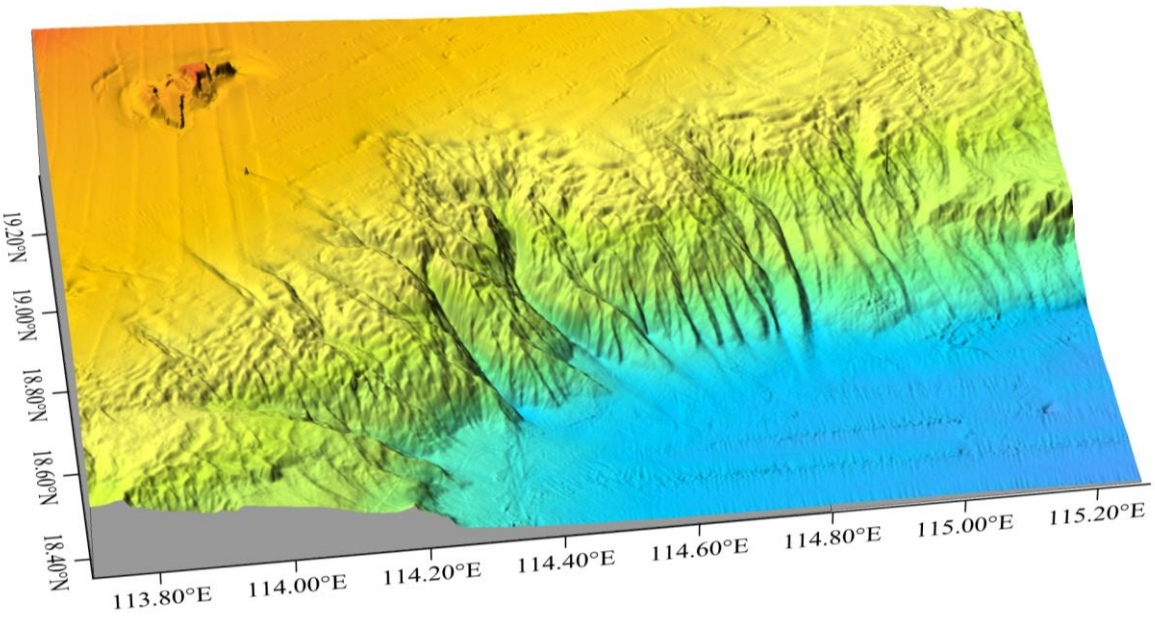

Fig.4 3-D Bathymetric map of Yitong Canyons

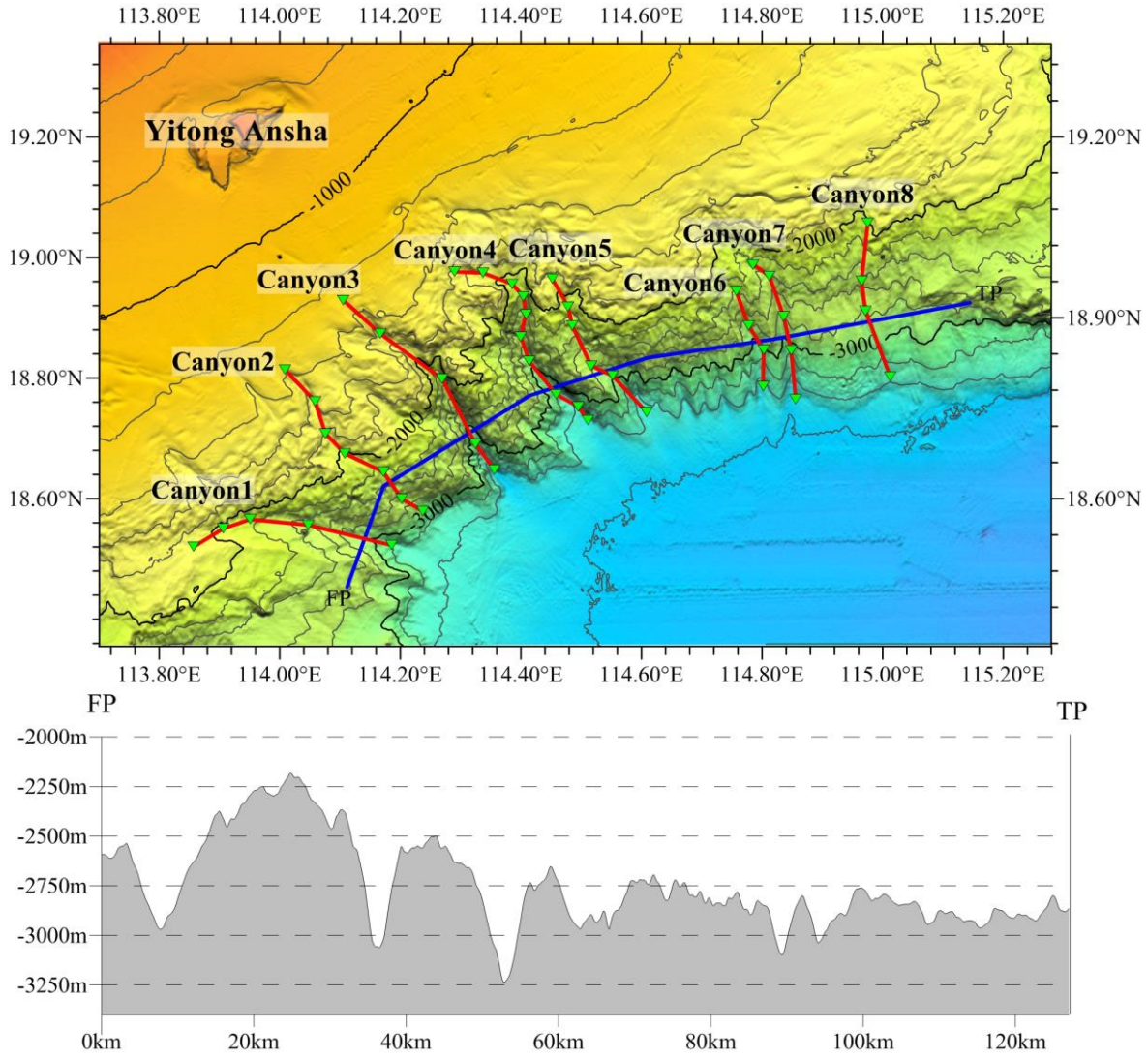

Fig.5 Profile map of Yitong Canyons