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:	Sunshuao Canyons	**Ocean or Sea:**	South Atlantic Ocean

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: 61°14.9′S	59°07.8′W
	61°15.7′S	59°07.8′W
	61°16.6′S	59°07.2′W
	61°18.9′S	59°04.6′W
	61°19.4′S	59°03.2′W
	61°20.9′S	59°03.1′W
	61°23.0′S	59°02.9′W
	61°26.1′S	58°59.8′W
	61°27.2′S	58°58.9′W
	61°27.1′S	58°54.6′W
	61°28.5′S	58°53.8′W
	61°28.8′S	58°54.5′W
	Canyon2: 61°28.9′S	58°55.3′W
	61°29.0′S	58°56.8′W
	61°29.6′S	58°58.0′W
	61°30.7′S	58°59.3′W
	61°32.4′S	59°01.4′W
	61°34.2′S	59°02.1′W
	61°35.5′S	59°01.7′W
	61°36.5′S	59°01.1′W
	61°37.8′S	59°00.1′W
	Canyon3: 61°30.8′S	58°55.9′W
	61°32.2′S	58°55.5′W
	61°32.9′S	58°56.0′W
	61°33.7′S	58°55.5′W
	61°34.3′S	58°55.4′W
	61°34.8′S	58°55.8′W
	Canyon4: 61°28.8′S	58°54.5′W
	61°29.2′S	58°55.7′W
	61°29.8′S	58°56.3′W
	61°31.8′S	58°55.2′W
	61°32.9′S	58°53.9′W
	61°33.1′S	58°51.7′W
	61°34.1′S	58°49.1′W
	Canyon5: 61°29.1′S	58°54.8′W
	61°29.7′S	58°54.5′W
	61°30.8′S	58°53.3′W
	61°32.0′S	58°51.4′W
	61°33.0′S	58°49.3′W
	Canyon6: 61°28.8′S	58°54.4′W

	61°29.3′S	58°52.9′W
	61°29.9′S	58°51.4′W
	61°30.7′S	58°50.2′W
	61°31.7′S	58°49.2′W
	61°32.2′S	58°48.7′W
	Canyon7: 61°28.9′S	58°53.6′W
	61°28.5′S	58°52.3′W
	61°28.7′S	58°50.4′W
	61°29.6′S	58°48.3′W
	61°30.7′S	58°47.5′W
	61°31.8′S	58°46.6′W
	61°32.4′S	58°45.5′W
	Canyon8: 61°29.6′S	58°48.2′W
	61°30.0′S	58°47.0′W
	61°30.6′S	58°45.8′W
	61°31.2′S	58°44.7′W
	61°31.6′S	58°43.8′W
	61°31.9′S	58°43.4′W
	Canyon9: 61°26.2′S	58°34.5′W
	61 °26.8′S	58°37.1′W
	61°27.3′S	58°39.8′W
	61°27.7′S	58°42.0′W
	61°28.0′S	58°44.9′W
	61°28.1′S	58°47.0′W
	61°27.9′S	58°48.5′W
	61°27.1′S	58°49.4′W
	61°26.7′S	58 °50.4′W
	61°26.5′S	58°52.7′W
	61°26.7′S	58°55.0′W
	61°27.2′S	58°56.7′W

Feature Description:	Maximum Depth:	4470m	Steepness :	
	Minimum Depth :	756m	Shape :	
	Total Relief :	3714m	Dimension/Size :	44.8km ×35km

Associated Features:	Sunshuao Canyons are located on the continental slope of South Atlantic and adjacent to the King George Island. Their northern part extends to the South Shetland Trench. The terrain descends from south to north. It consists of nine canyons on the upper part which converge into one canyon on the lower part.

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.16
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named)**:**	Sun Shuao (630 B.C.-593 B.C.) was an expert on water engineer in the Spring and Autumn period. He presided over the Quebei water engineering project which is the first water engineering project in China history. These water engineering played an important role in agriculture development. These canyons are named after Sun Shuao to commemorate his contribution on the water engineering.

Discovery Facts:	Discovery Date:	Jan, 2017
	Discoverer (Individual, Ship):	R/V Hai Yang No.06

Supporting Survey Data, including Track Controls:	Date of Survey:	Jan, 2017
	Survey Ship:	R/V Hai Yang No.06
	Sounding Equipment:	Multi-beam sounding system (EM122)
	Type of Navigation:	DGPS
	Estimated Horizontal Accuracy, in nautical miles (M):	<=0.08 nm
	Survey Track Spacing:	3.6nm
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Zhu Benduo, Liu Liqiang
	Date:	Jun. 10, 2018
	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:	This proposal has been reviewed and approved by China Subcommittee on Undersea Feature Names (CCUFN). No.1 Fuxingmenwai 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/

Attachment

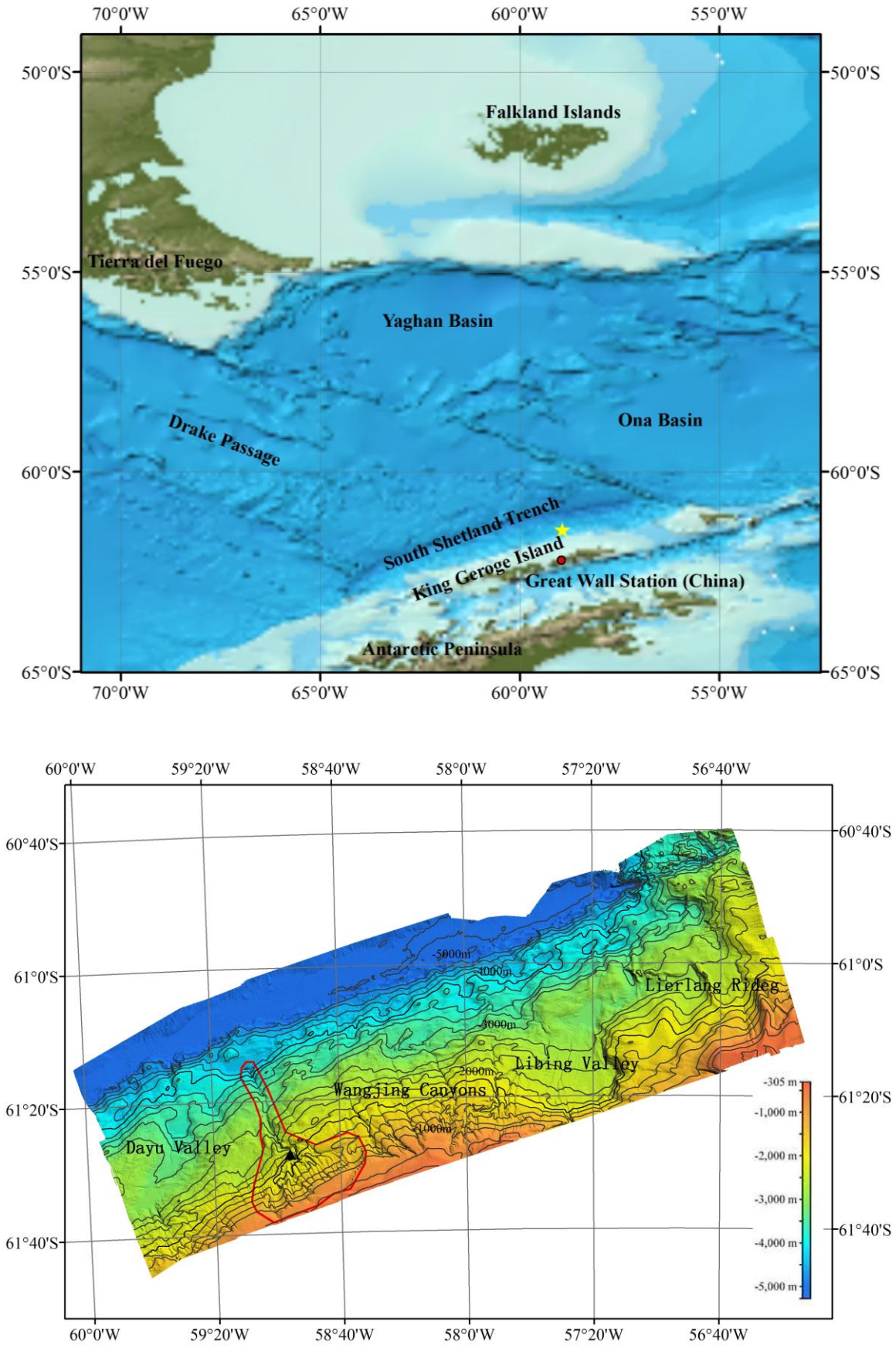

Fig.1 Index map showing the location of Sunshuao Canyons

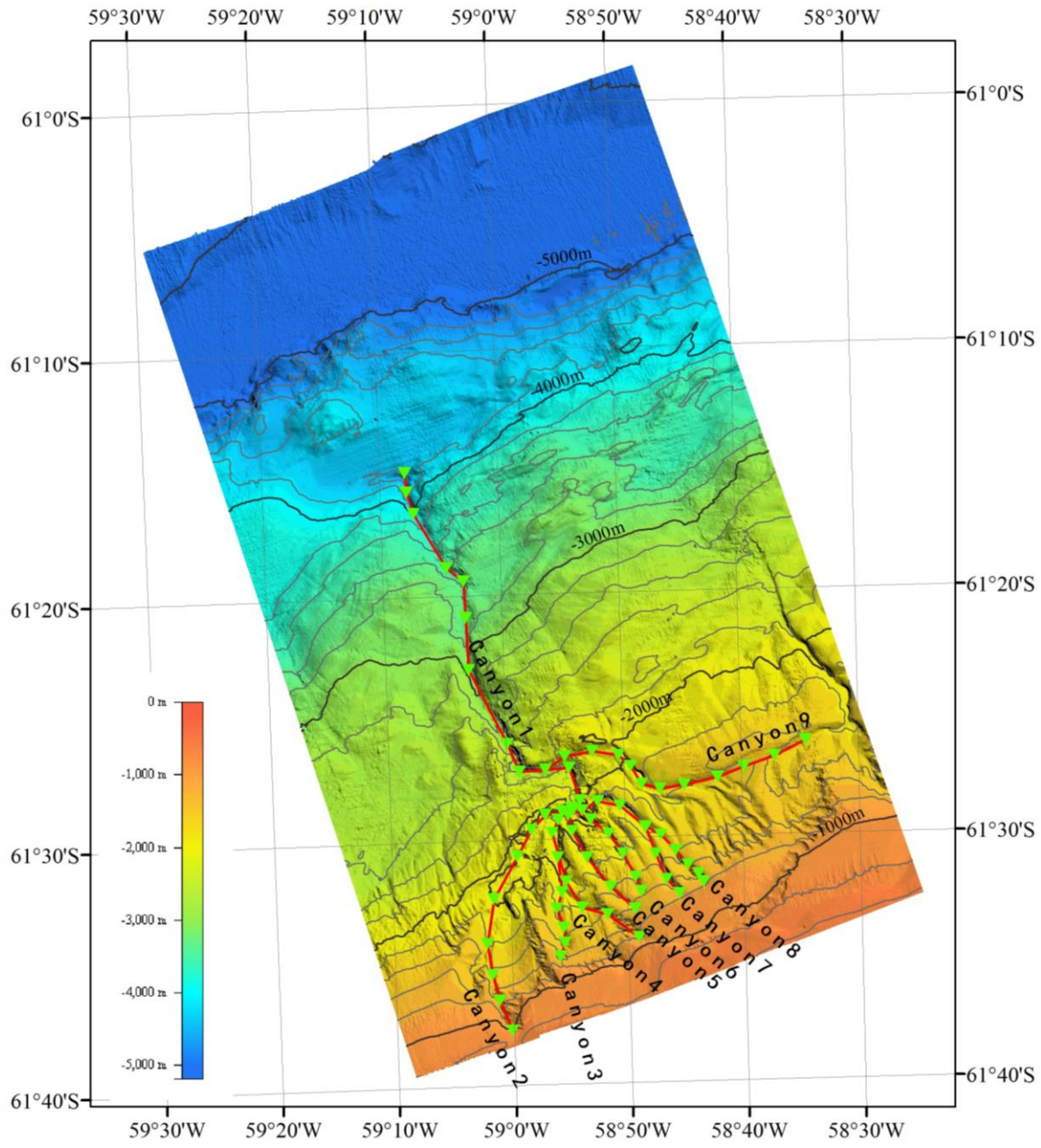

Fig.2 Bathymetric map of Sunshuao Canyons (Contours are in 100m)

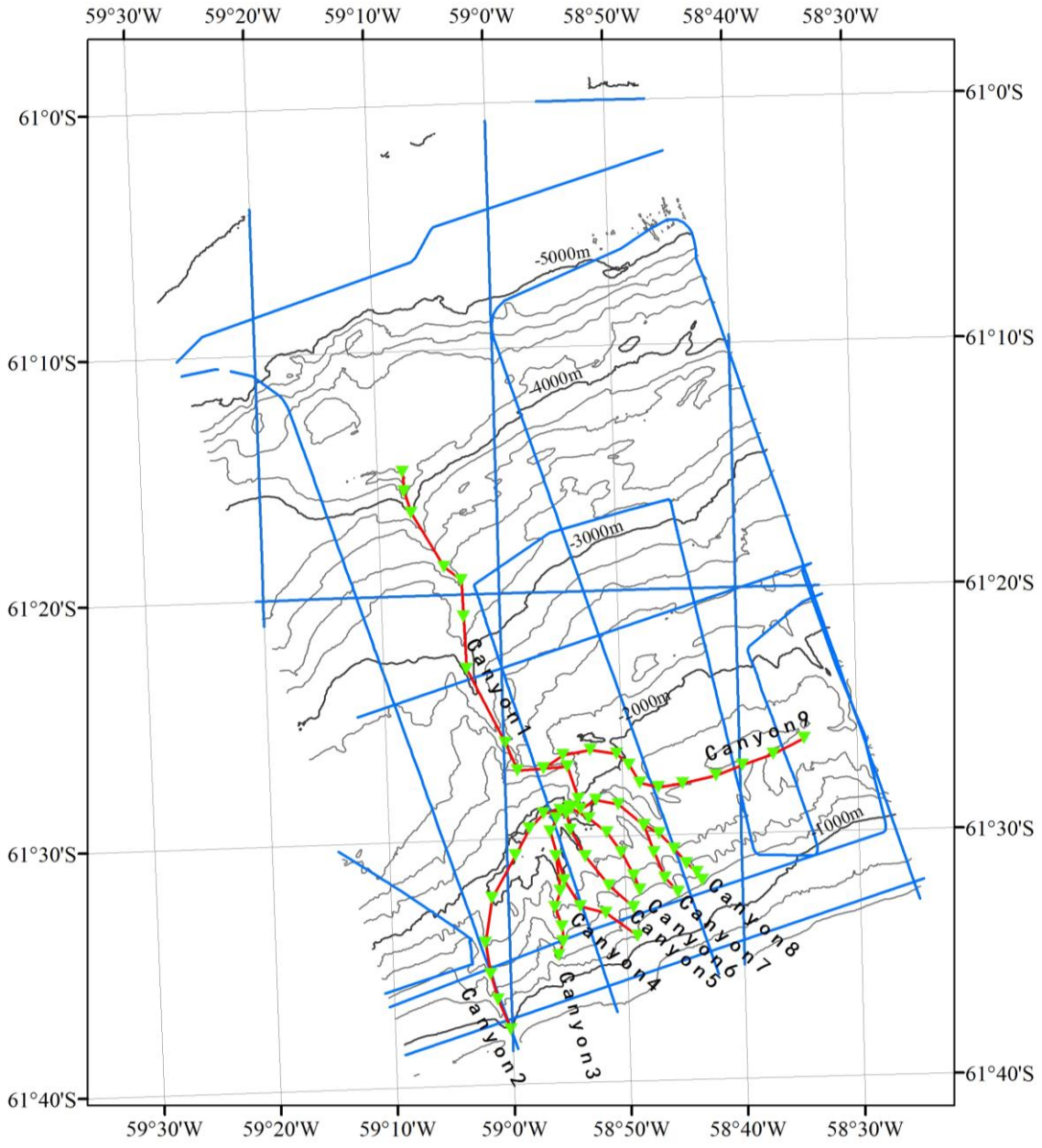

Fig.3 Bathymetric map of Sunshuao Canyons overlain with track lines (Contours are in 100m, blue lines for the track lines)

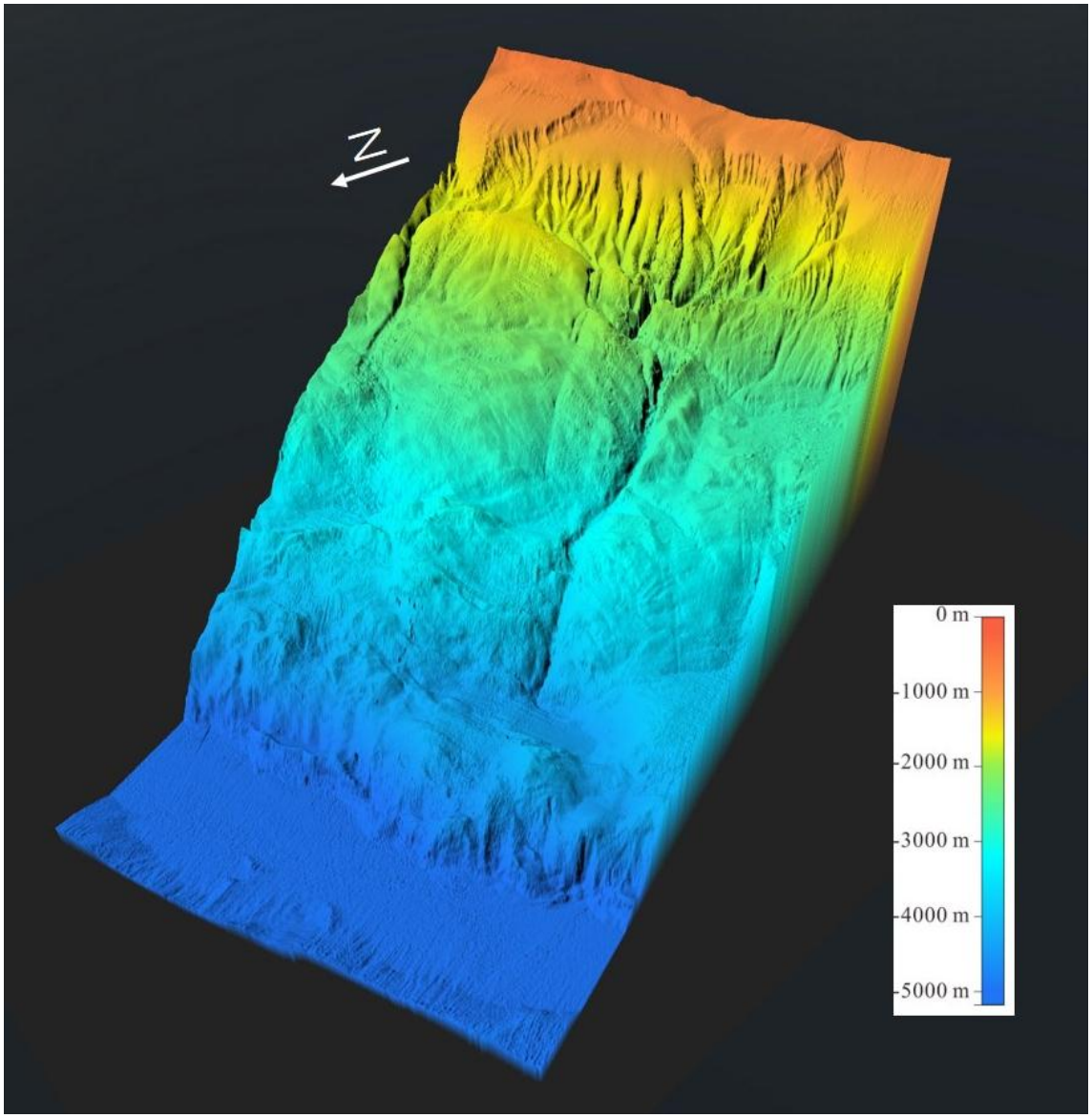

Fig.4 3-D bathymetric map of Sunshuao Canyons

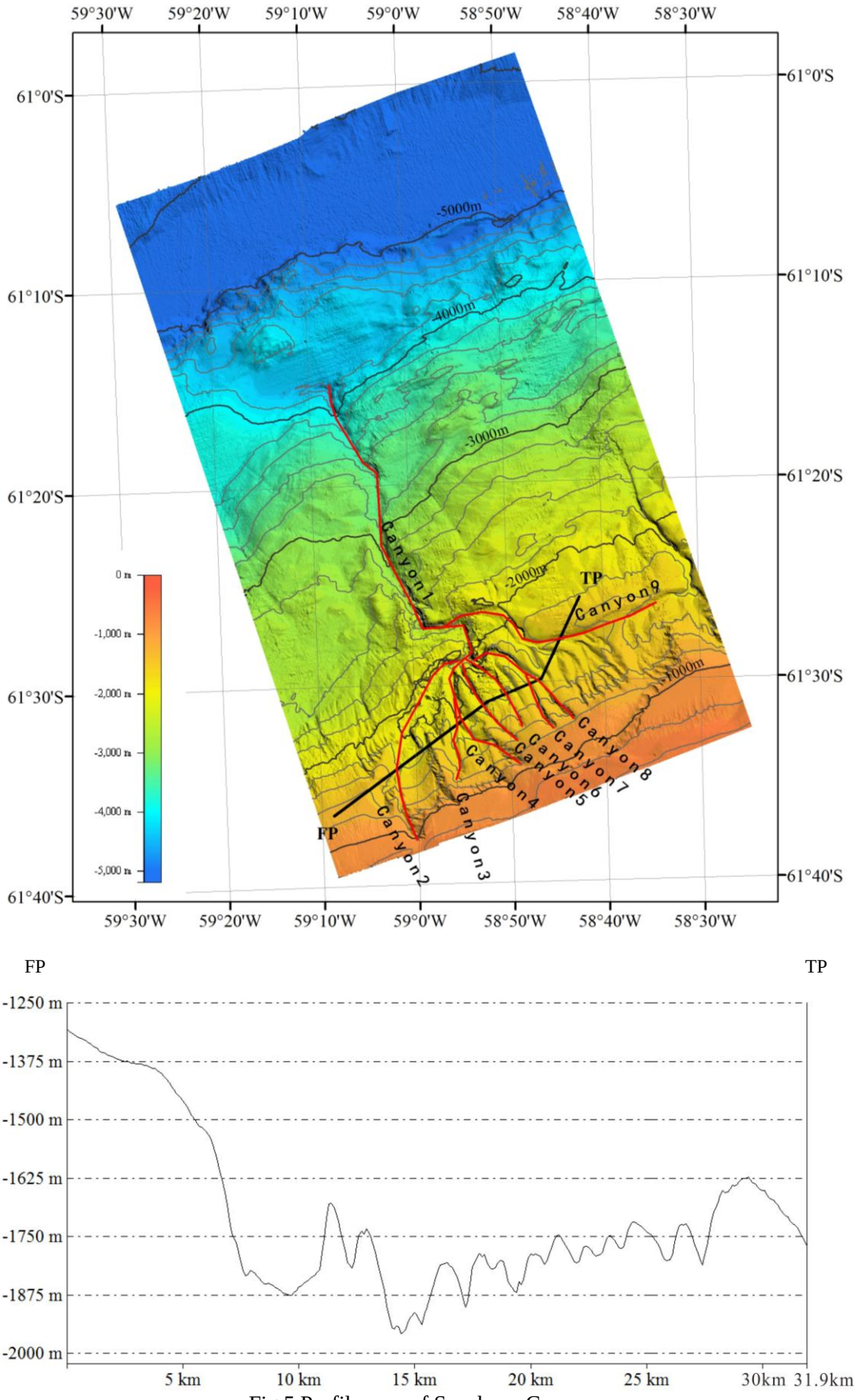

Fig.5 Profile map of Sunshuao Canyons