

**UNDERSEA FEATURE NAME PROPOSAL**  
(See IHO-IOC Publication B-6 and **NOTE** overleaf)

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

<b>Name Proposed:</b>	Dayu Valley	<b>Ocean or Sea:</b>	South Atlantic Ocean
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<b>Geometry</b> 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)
<b>Coordinates:</b>	61°26.3'S (summit)	59°32.1'W (summit)
	61°18.8'S (bottom)	59°34.3'W (bottom)
	61°17.6'S	59°29.6'W
	61°17.5'S	59°27.3'W
	61°19.6'S	59°25.7'W
	61°20.5'S	59°26.6'W
	61°25.2'S	59°22.7'W
	61°27.0'S	59°22.9'W
	61°28.9'S	59°24.0'W
	61°31.5'S	59°27.7'W
	61°32.7'S	59°31.5'W
	61°34.5'S	59°33.9'W
	61°36.7'S	59°38.9'W
	61°37.0'S	59°44.7'W
	61°36.4'S	59°47.0'W
	61°35.5'S	59°47.9'W
	61°33.5'S	59°46.1'W
61°31.5'S	59°45.2'W	
61°19.7'S	59°37.3'W	
61°18.8'S (bottom)	59°34.3'W (bottom)	

<b>Feature Description:</b>	Maximum Depth:	4078m	Steepness :	
	Minimum Depth :	2742m	Shape :	
	Total Relief :	1336m	Dimension/Size :	38.3km × 16.1km

<b>Associated Features:</b>	Dayu Valley is located on the continental slope of South Atlantic and to the north of King George Island in Antarctic. Its northern part extends to the South Shetland Trench. The terrain of the valley descends from south to north.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.16
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Da Yu was a Chinese ancient mythical figure. Da Yu means the great Yu. It was said that he led people to control the flood of Yellow River successfully and thus established foundation of Chinese ancient agriculture. This valley is named after Da Yu to commemorate his
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	contribution on the water engineering.	
<b>Discovery Facts:</b>	Discovery Date:	Jan, 2017
	Discoverer (Individual, Ship):	R/V Hai Yang No.06
<b>Supporting Survey Data, including Track Controls:</b>	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.	
<b>Proposer(s):</b>	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):	
<b>Remarks:</b>	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: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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Attachment

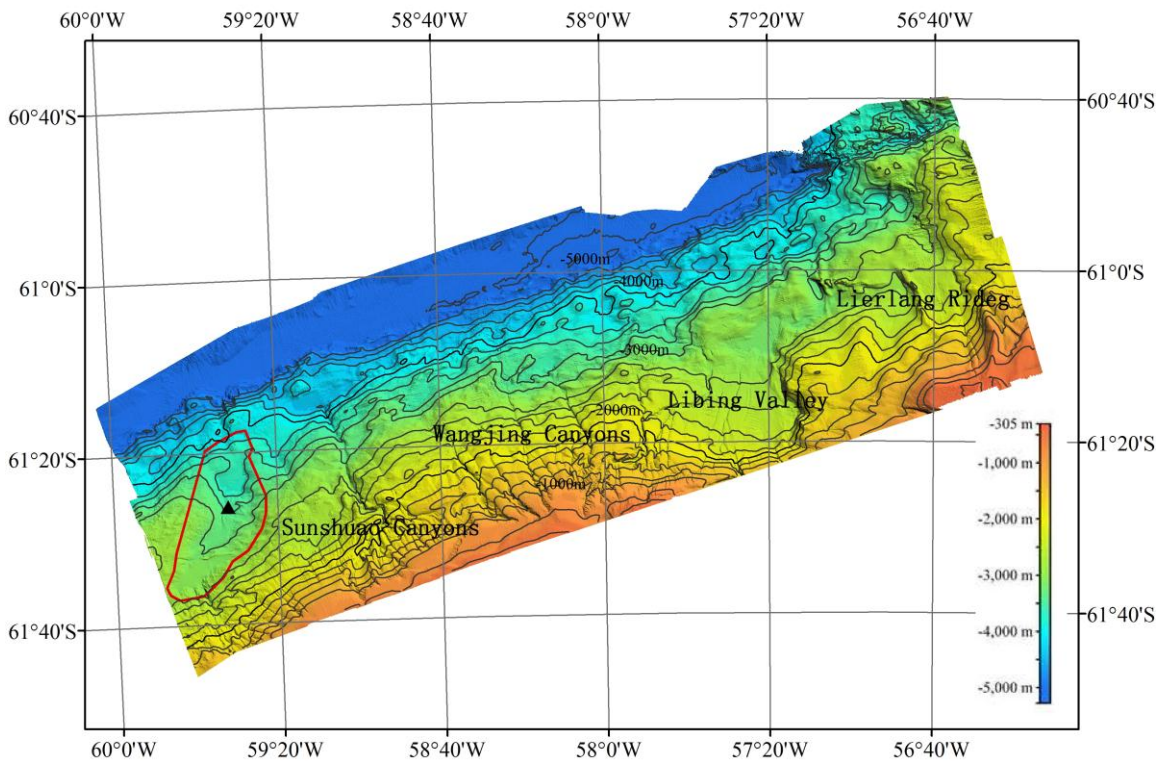
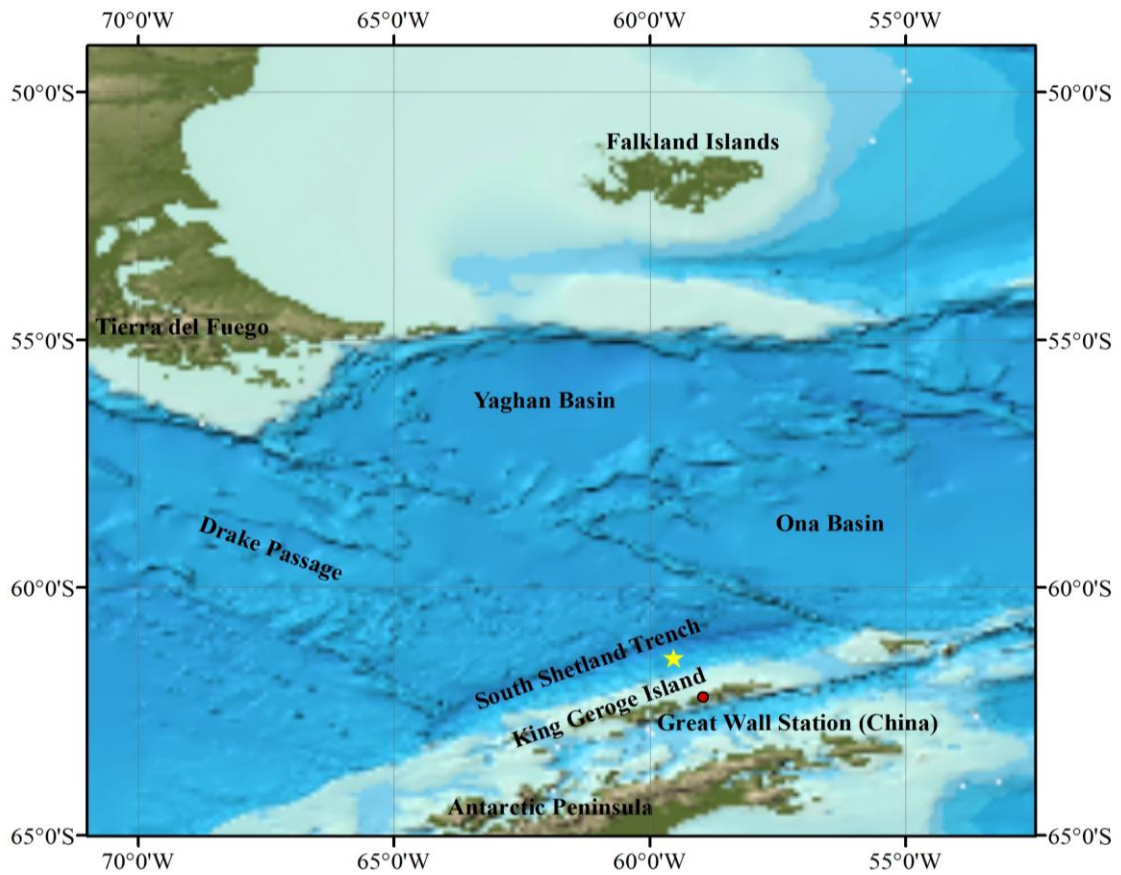


Fig.1 Index map showing the location of Dayu Valley

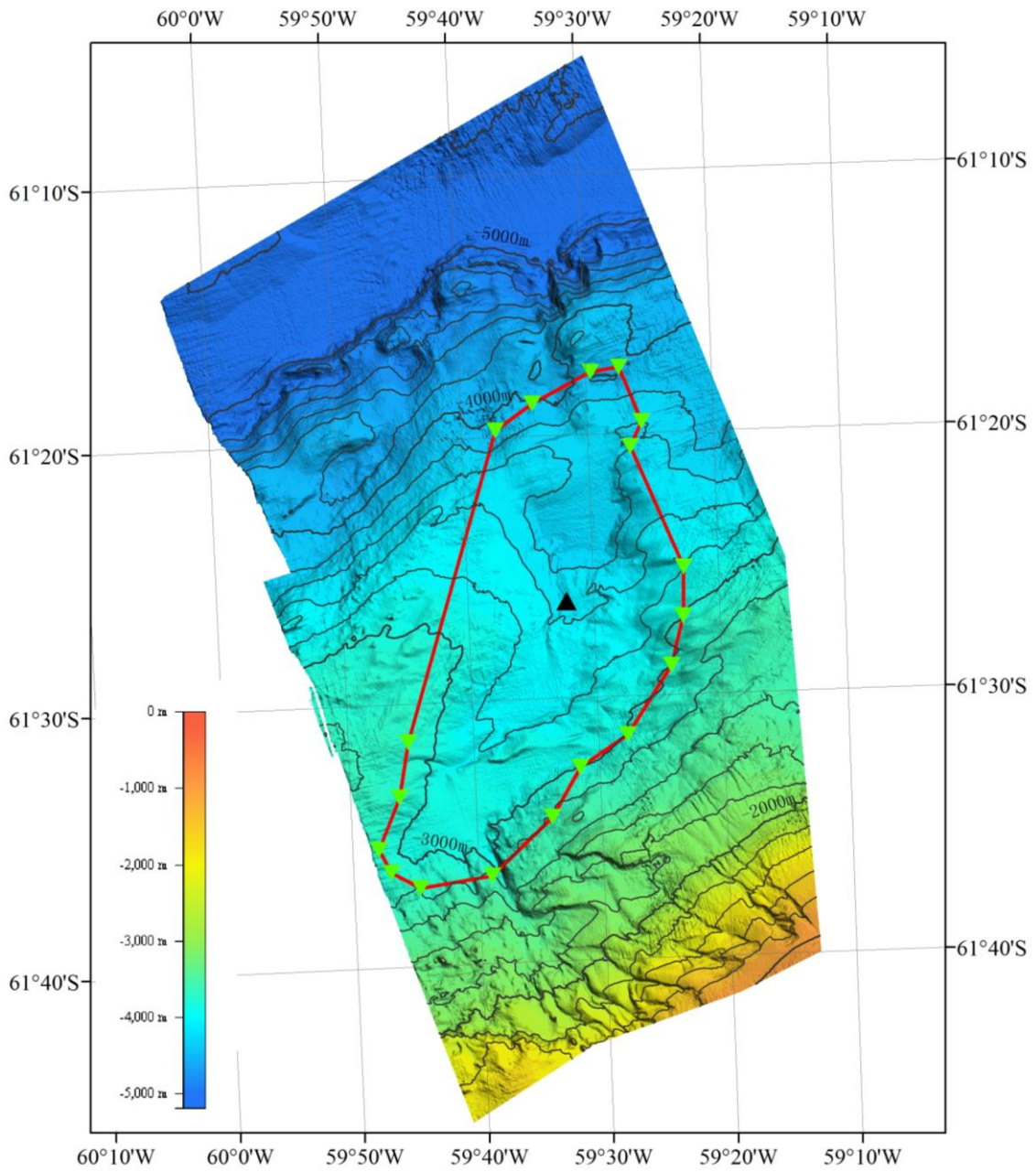


Fig.2 Bathymetric map of Dayu Valley (Contours are in 200m)

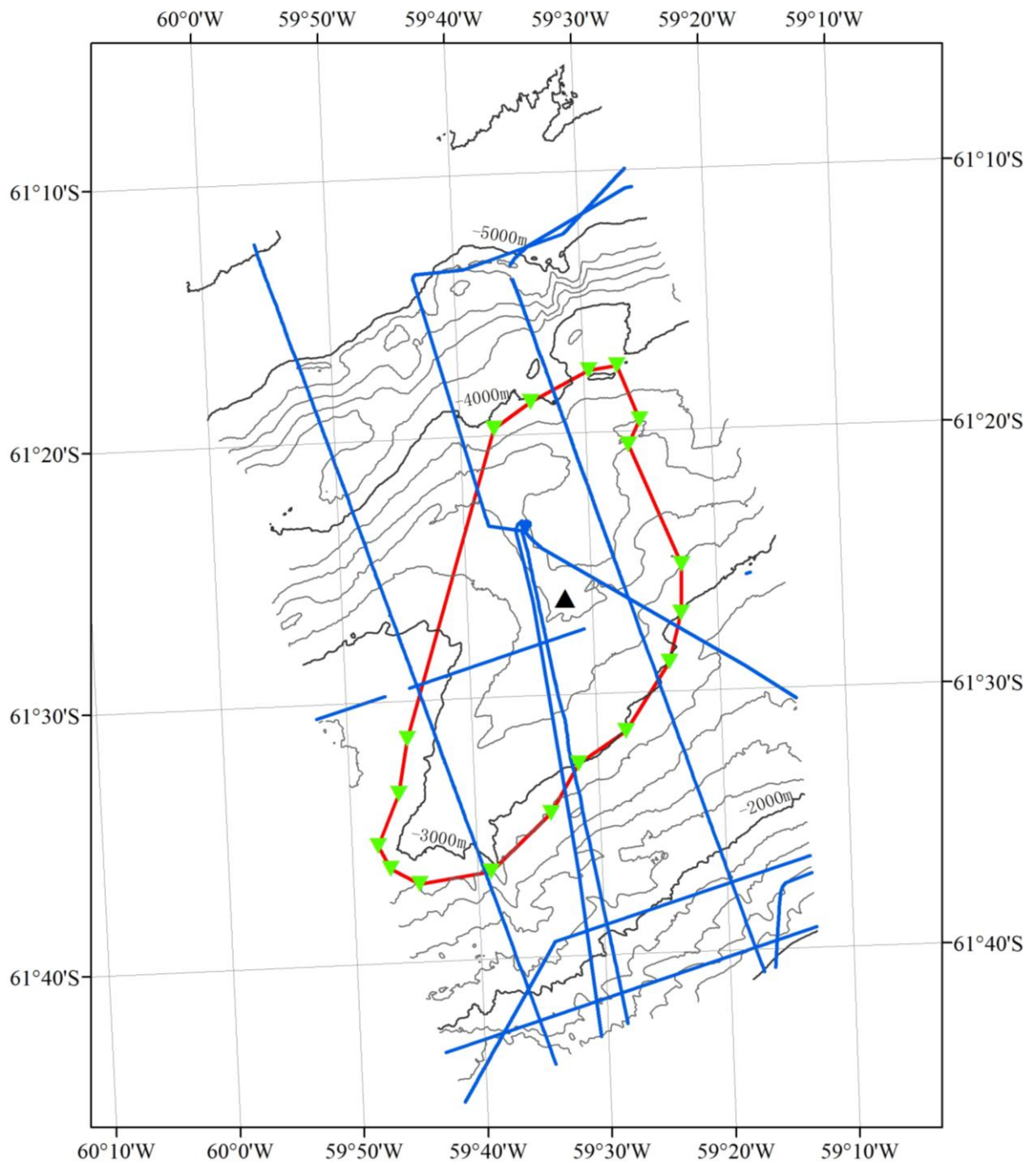


Fig.3 Bathymetric map of Dayu Valley overlain with track lines (Contours are in 200m, blue lines for the track lines)

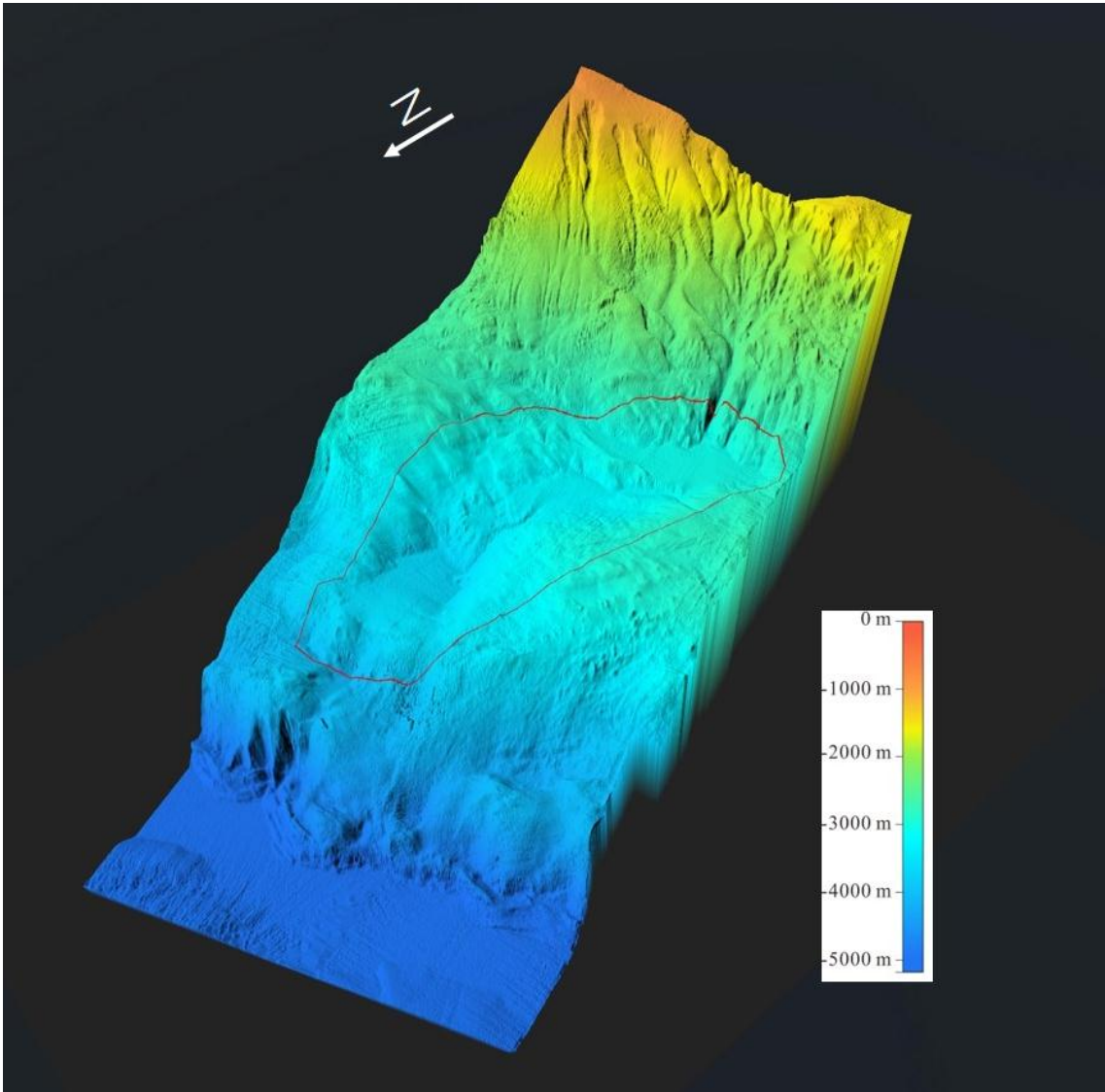


Fig.4 3-D bathymetric map of Dayu Valley

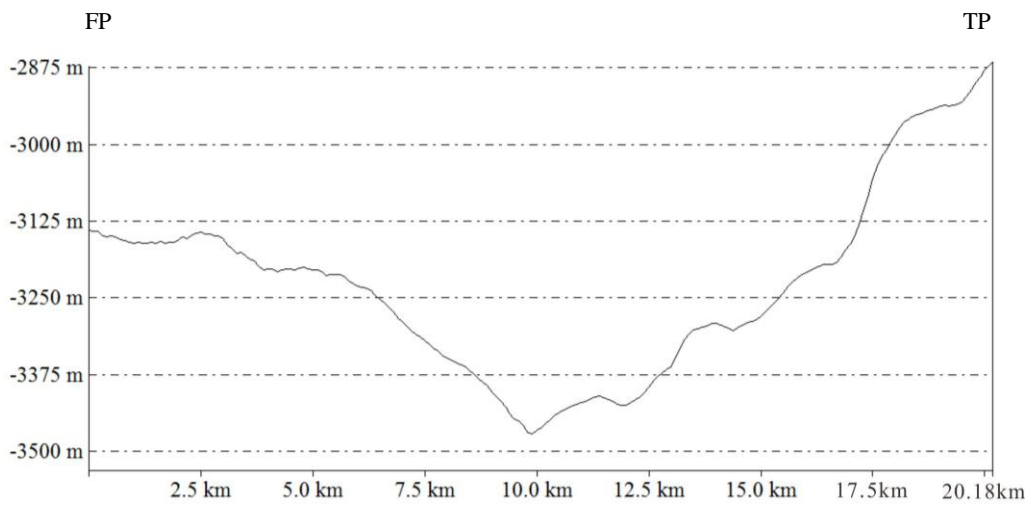
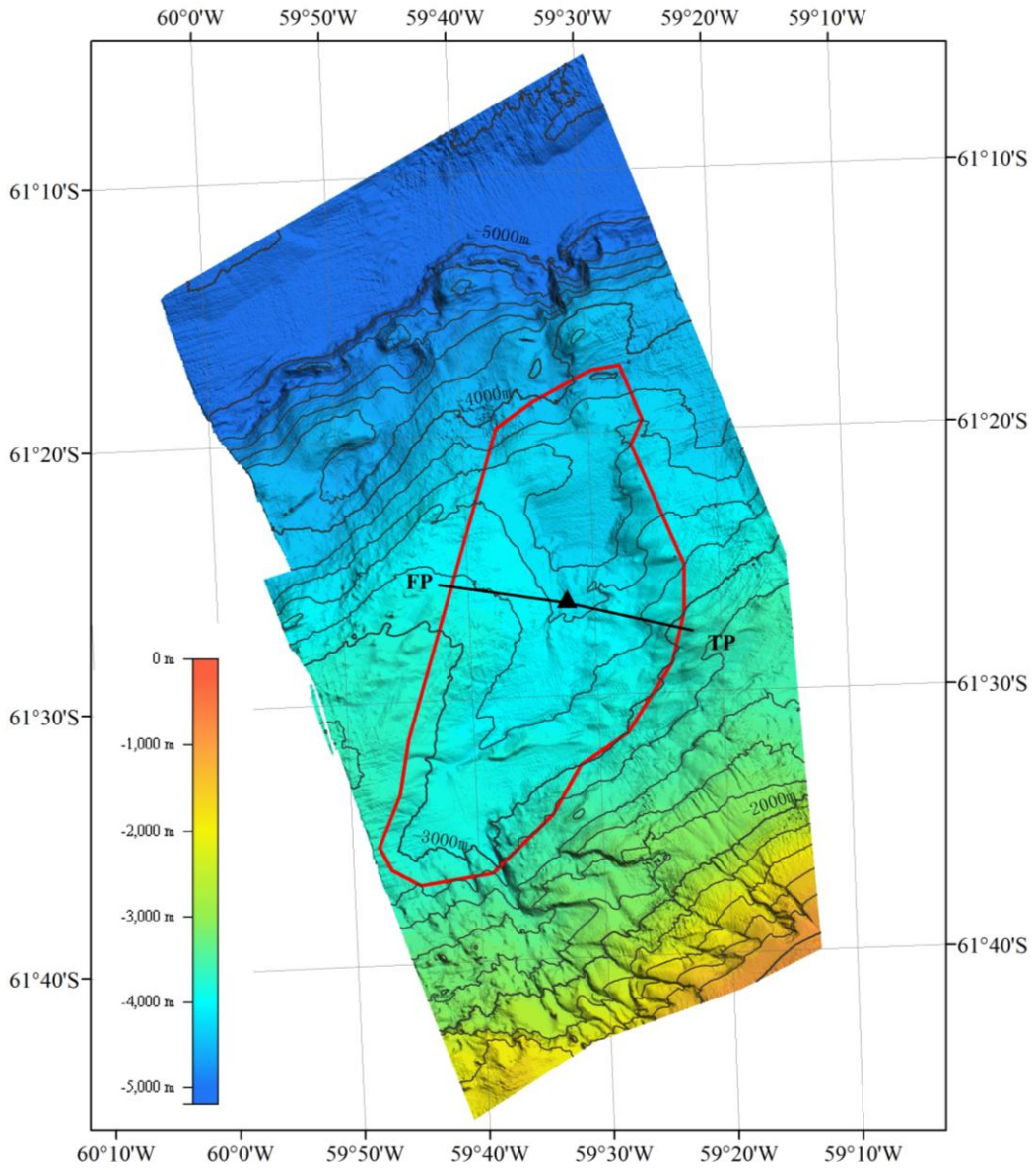


Fig.5 Profile map of Dayu Valley