

**UNDERSEA FEATURE NAME PROPOSAL**  
(Sea NOTE overleaf)

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

<b>Name Proposed:</b>	Chukochen Fracture Zone	<b>Ocean or Sea:</b>	Northwest Indian 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>	07°04.5'N (bottom) 07°29.8'N 07°51.6'N	059°30.2'E (bottom) 059°39.9'E 059°48.2'E

<b>Feature Description:</b>	Maximum Depth:	4700m	Steepness :	
	Minimum Depth :	2500m	Shape :	Line
	Total Relief :	2200m	Dimension/Size :	100km×25km

<b>Associated Features:</b>	This fracture zone is perpendicular to the strike of Carlsberg Ridge. It has a nearly SW-NE strike, 100km long and 25km wide. The top and the bottom of the fracture zone are 2500m and 4700m in depth respectively, with a maximum depth difference of 2200m.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.05
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Chu Kochen (1890-1974 AD) was a famous modern geographer, meteorologist and educationist. The undersea feature is named after Chu Kochen in memory of him.
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<b>Discovery Facts:</b>	Discovery Date:	Apr. 2012
	Discoverer (Individual, Ship):	R/V Lisiguang Hao

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	Apr. 2012
	Survey Ship:	R/V Lisiguang Hao
	Sounding Equipment:	Multi-beam Sounding System (EM120)
	Type of Navigation:	StarFire-2050M WAD DGPS
	Estimated Horizontal Accuracy (nm):	≤0.0054nm
	Survey Track Spacing:	5nm
	Supporting material can be submitted as Annex in analog or digital form.	

<b>Proposer(s):</b>	Name(s):	China Ocean Mineral Resources R&D Association(COMRA)
	Date:	10 Sept. 2015
	E-mail:	comra@comra.org
	Organization and Address:	State Oceanic Administration, China No.1 Fuxingmenwai Ave. Beijing
	Concurrer (name, e-mail, organization and address):	

<b>Remarks:</b>	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
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**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 page 2-9) or, if this does not exist or is not known, either to the IHB 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 IHB or to the IOC, at the following addresses :

International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX <u>Principality of MONACO</u> Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@ihb.mc">info@ihb.mc</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>
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# Attachment

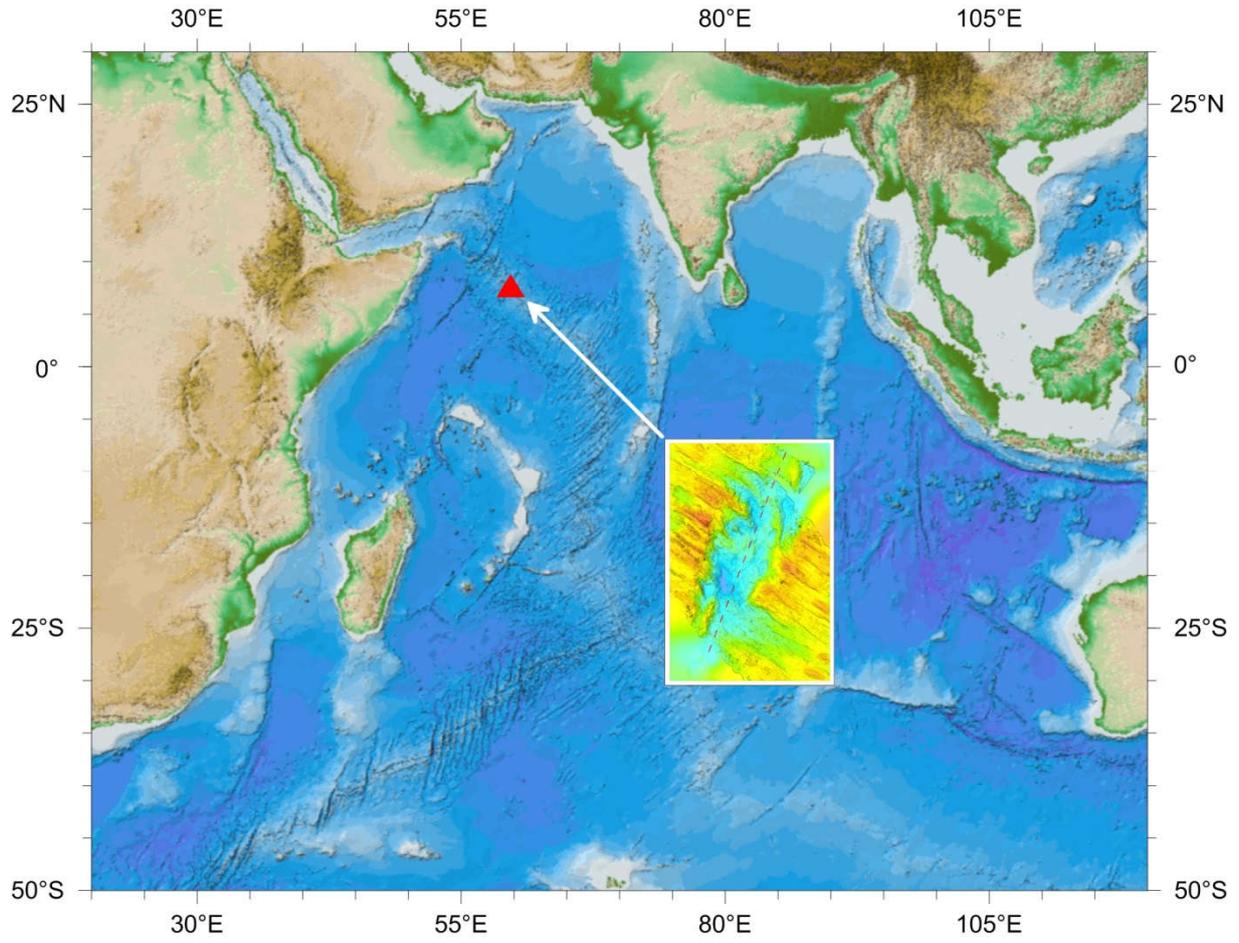


Fig1. Index map showing the location of the Chukochen Fracture Zone

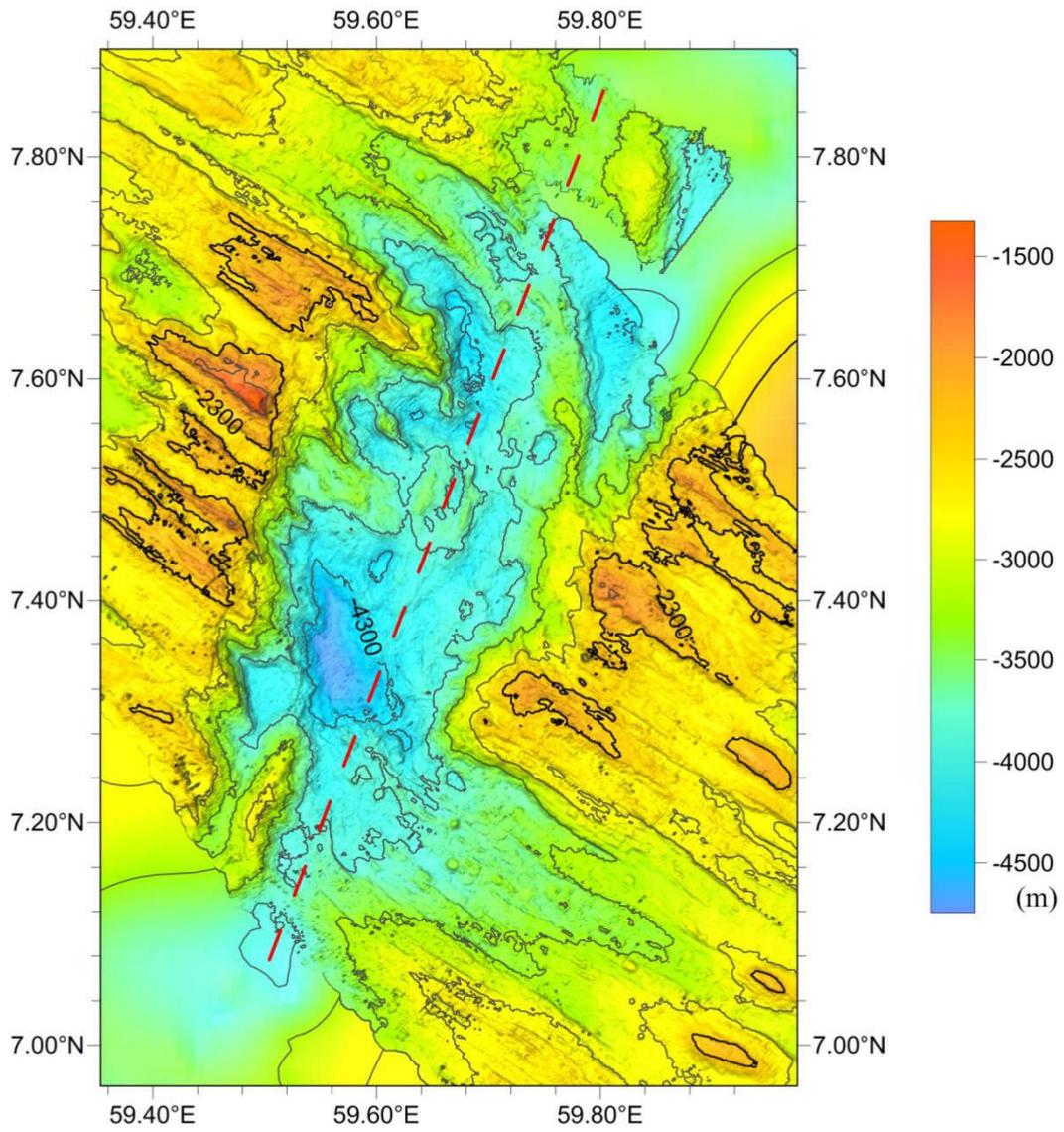


Fig2. Bathymetric map of the Chukochen Fracture Zone

(Contours are in 500 m)

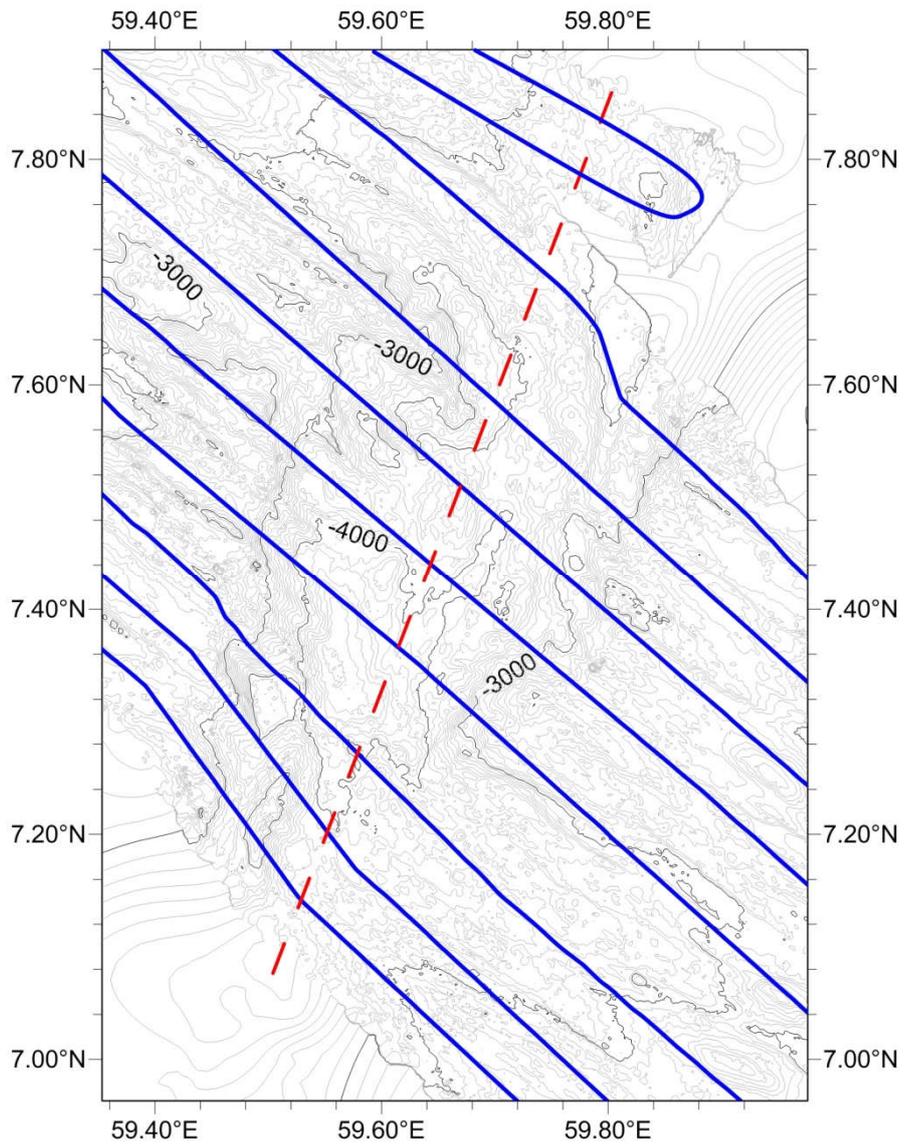
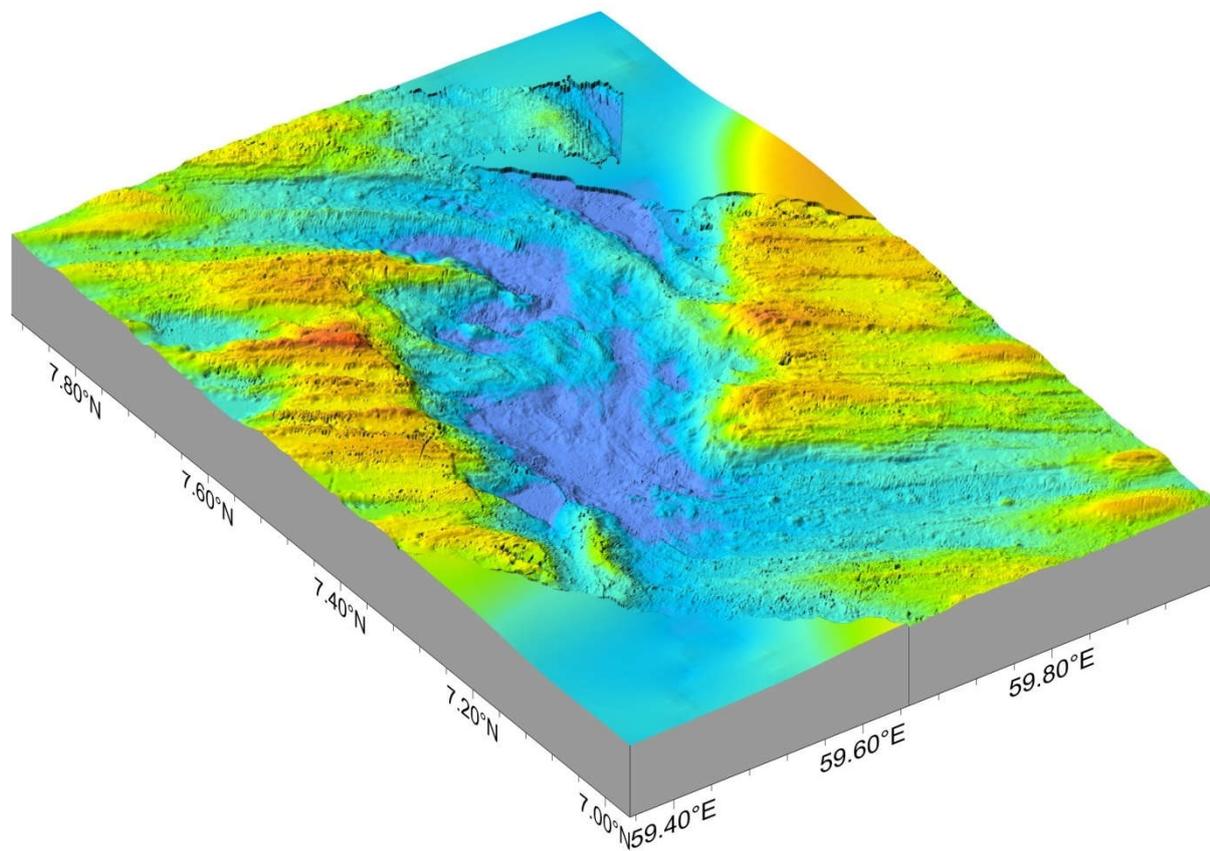


Fig.3 Bathymetric map of the Chukochen Fracture Zone, showing track lines  
(Contours are in 100 m, blue lines are survey lines)



-4000 -3500 -3000 -2500 -2000 -1500 (m)  
Fig 4. 3-D topography map of the Chukochen Fracture Zone

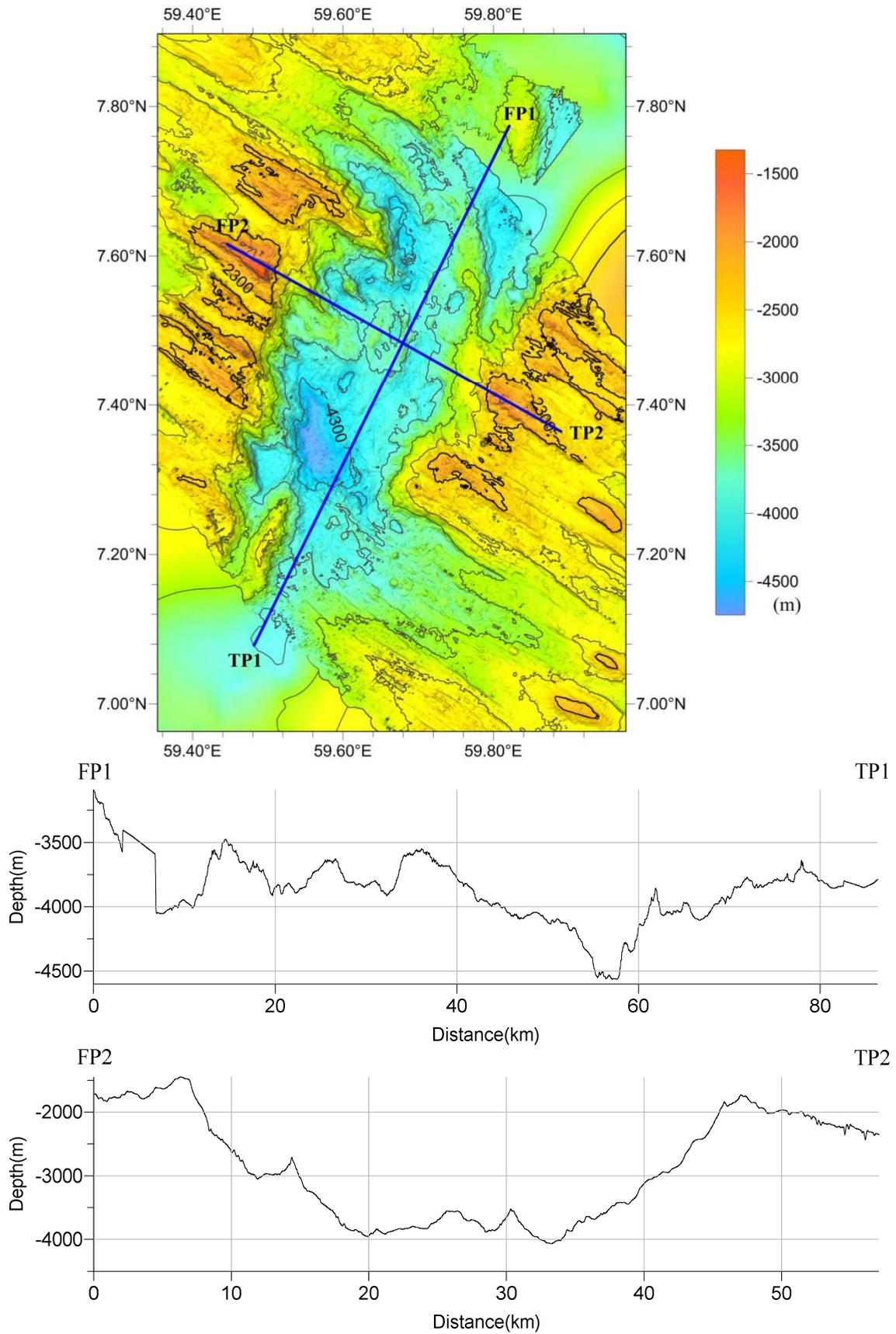


Fig.5 Bathymetric map and profile of the Chukochen Fracture Zone