

INTERNATIONAL HYDROGRAPHIC ORGANIZATION	INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)
--	---

UNDERSEA FEATURE NAME PROPOSAL

Name Proposed:	Keyi Seamount	Ocean or Sea:	Indian 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:	09°03.7'N (summit)	058°13.1'E (summit)
	09°07.7'N (bottom)	058°07.4'E (bottom)
	09°09.2'N	058°10.1'E
	09°08.6'N	058°16.1'E
	09°06.9'N	058°18.9'E
	09°01.8'N	058°19.5'E
	08°59.0'N	058°18.3'E
	08°57.6'N	058°16.2'E
	08°59.6'N	058°11.2'E
	09°02.1'N	058°08.1'E
09°04.9'N	058°06.5'E	

Feature Description:	Maximum Depth:	3800 m	Steepness :	
	Minimum Depth :	1300 m	Shape :	
	Total Relief :	2500 m	Dimension/Size :	18.5km × 24km

Associated Features:	This seamount lies in the northwest mid ocean ridge of Indian Ocean.
-----------------------------	--

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.05
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named) :	Keyi comes from a verse of <i>SHIJING-ZHOUSONG</i> (<i>SHIJING</i> is a collection of ancient Chinese poems from 11 B.C. to 6 B.C.). The verse means people are very happy when guests come. This seamount is named Keyi to show that scientists from different fields work together, help each other and share the happiness in this scientific exploration journey.
---	--

Discovery Facts:	Discovery Date:	May. 2012
	Discoverer (Individual, Ship):	R/V Haiyang Shibahao

Supporting Survey Data, including Track Controls:	Date of Survey:	May. 2012
	Survey Ship:	R/V Haiyang Shibahao
	Sounding Equipment:	Multi-beam sounding system (EM120)
	Type of Navigation:	MAX DGPS
	Estimated Horizontal Accuracy (nm):	<=0.0054 nm
	Survey Track Spacing:	5 nm
	Supporting material can be submitted as Annex in analog or digital form. See Attachments	

Proposer(s):	Name(s):	Zhanhai ZHANG
	Date:	22 Aug. 2013
	E-mail:	heyunxu@sina.com
	Organization and address:	Sub Committee on Undersea Feature Names of China Committee on Geographical Names No.1 Fuxingmenwai Ave. Beijing

Remarks:	
-----------------	--

Attachments:

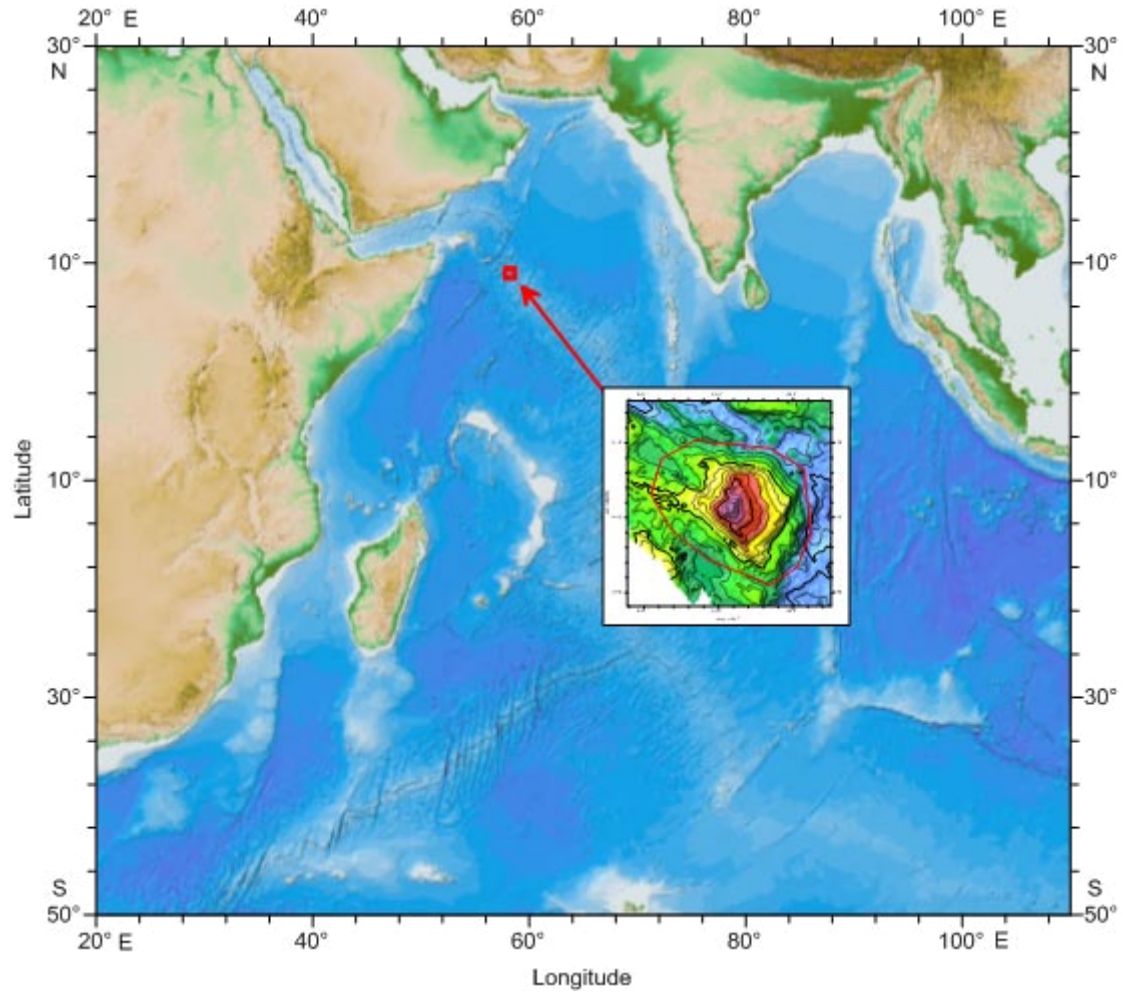


Fig.1 Index map showing the location of the Keyi Seamount

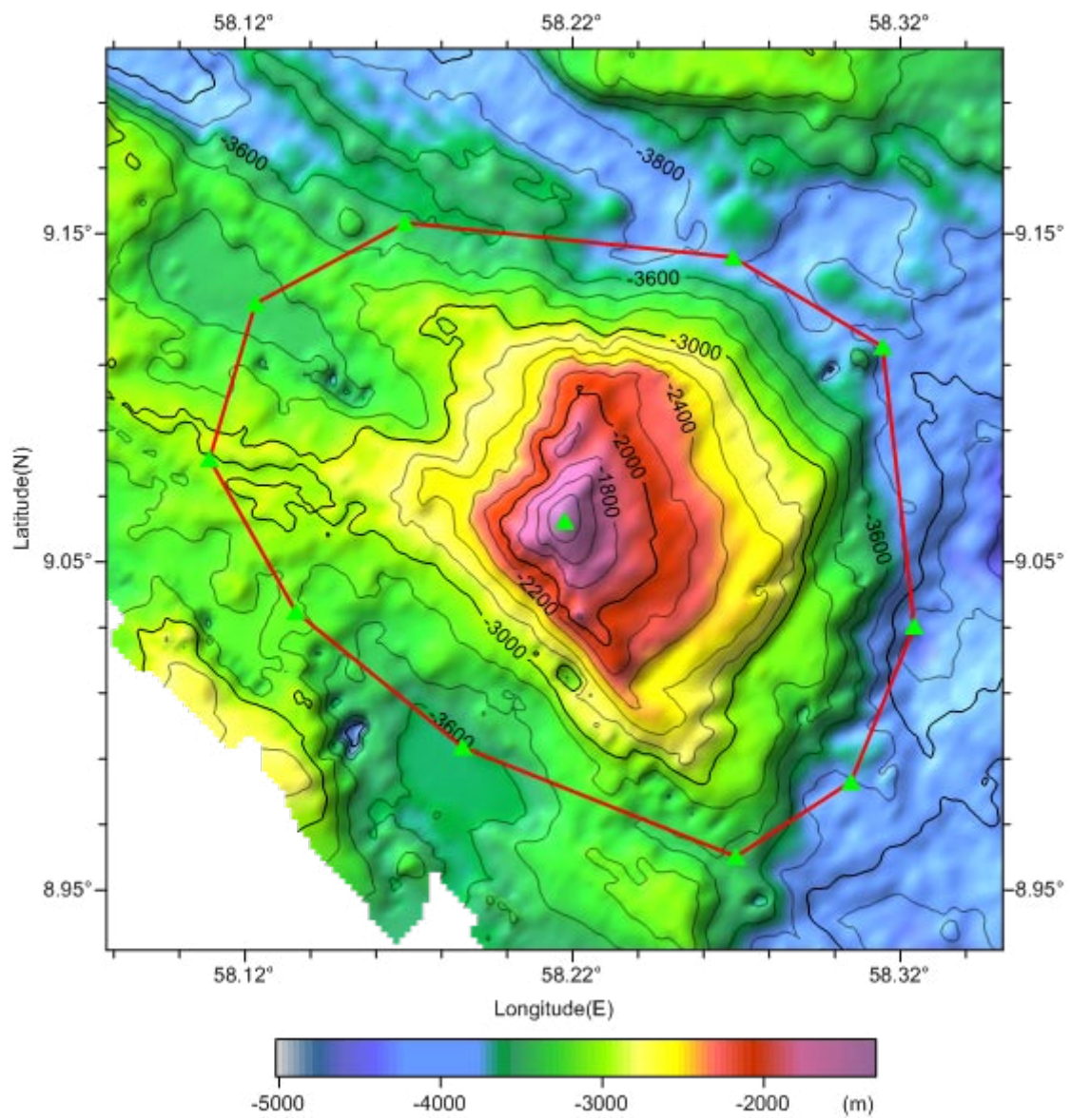


Fig.2 Bathymetric map of the Keyi Seamount (Contours are in 200 m).

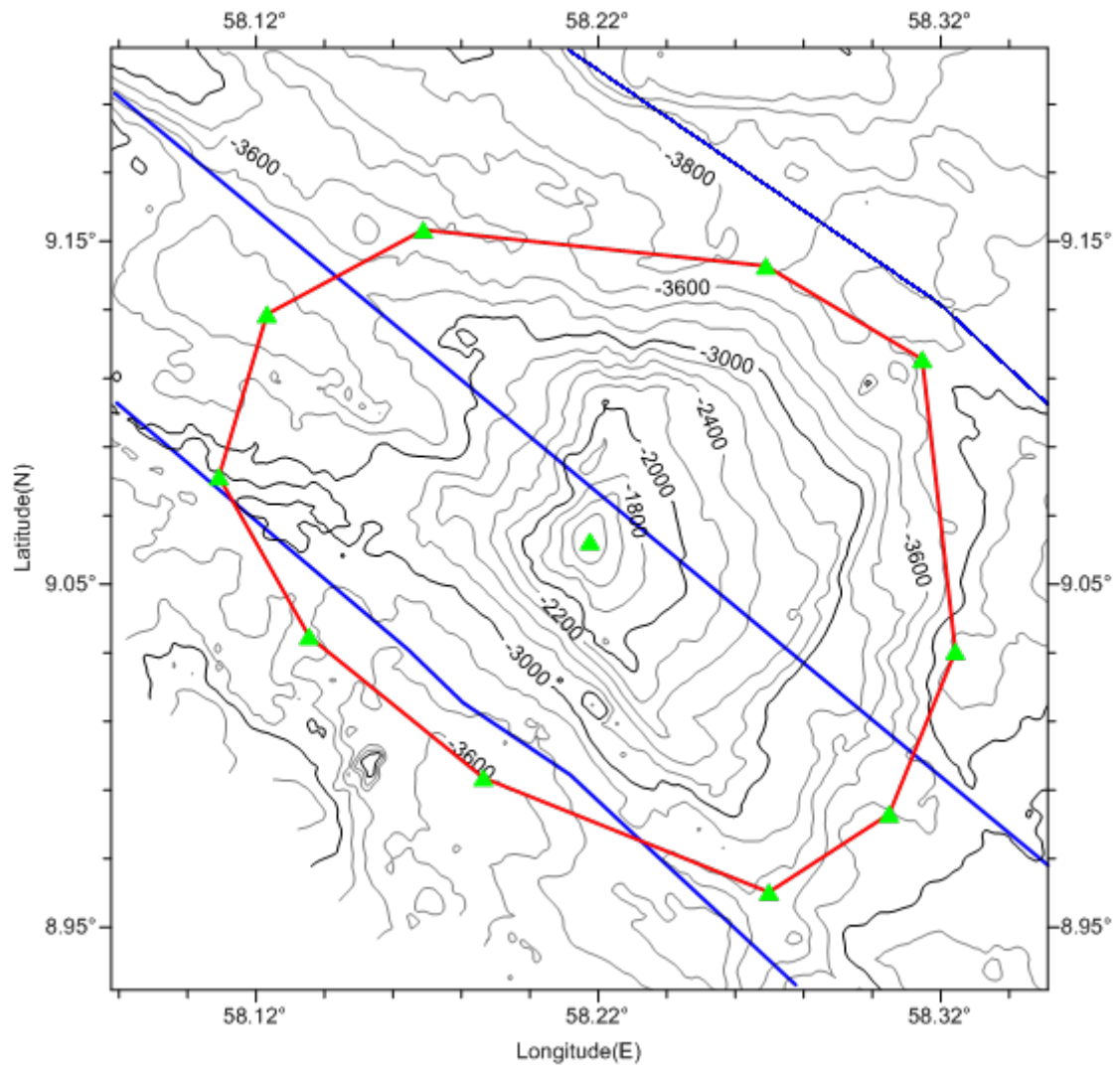


Fig.3 Bathymetric map of the Keyi Seamount, showing track lines.
(Contours are in 200 m)

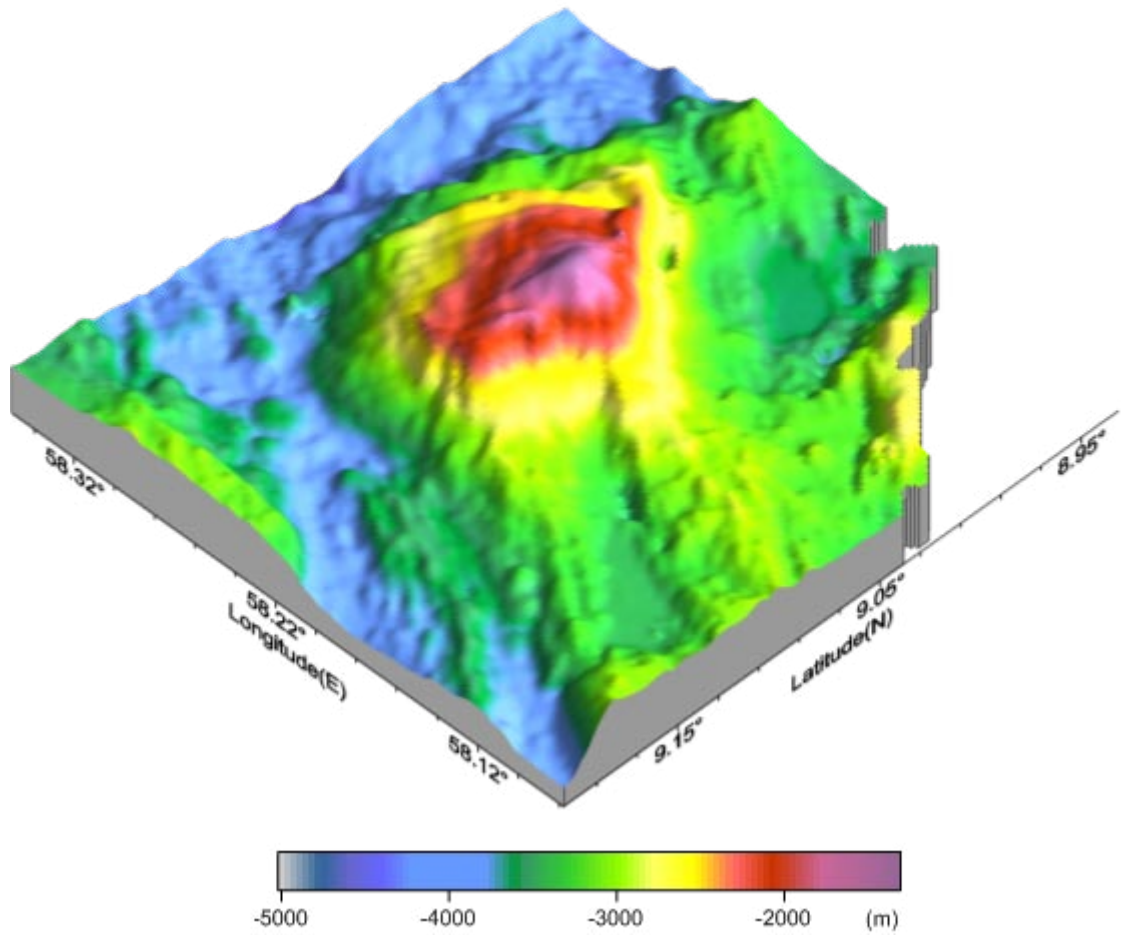


Fig.4 3-D bathymetric map of the Keyi Seamount

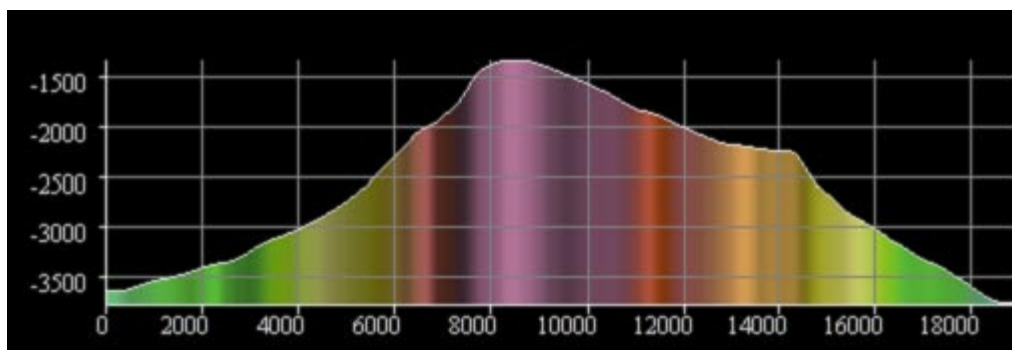
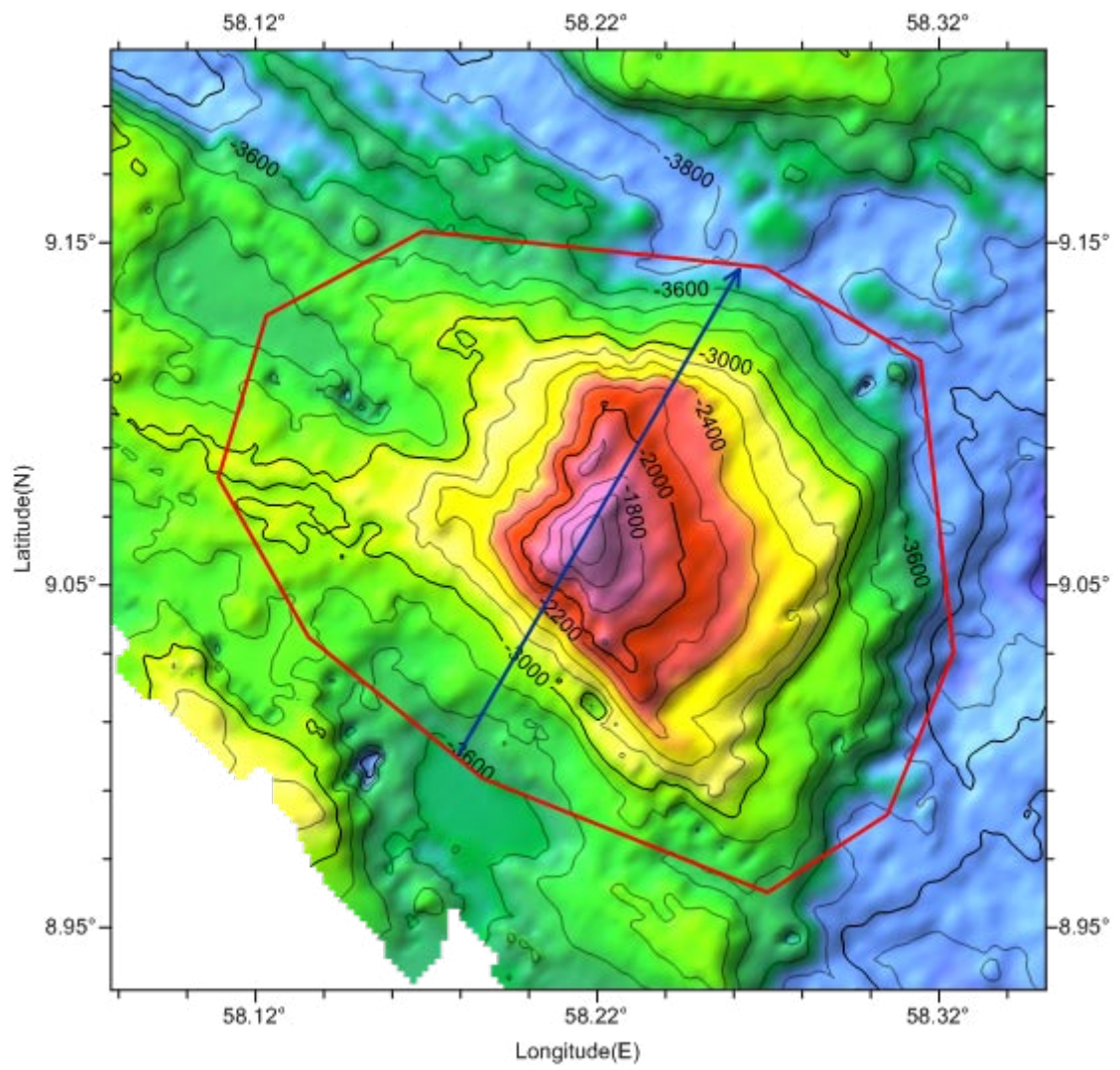


Fig.5 Profile of the Keyi Seamount