

**INTERNATIONAL HYDROGRAPHIC
ORGANIZATION**

**INTERGOVERNMENTAL
OCEANOGRAPHIC
COMMISSION (of UNESCO)**

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Siwen Seamount	Ocean or Sea:	The Southwest 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:	28°30.5'S (summit)	062°29.7'E (summit)
	28°28.6'S (bottom)	062°21.0'E (bottom)
	28°30.6'S	062°18.8'E
	28°32.7'S	062°17.7'E
	28°34.9'S	062°18.4'E
	28°36.2'S	062°24.1'E
	28°34.9'S	062°26.4'E
	28°34.4'S	062°31.4'E
	28°30.1'S	062°36.6'E
	28°23.9'S	062°43.9'E
	28°22.0'S	062°45.5'E
	28°21.4'S	062°43.2'E
	28°25.7'S	062°34.6'E
	28°28.8'S	062°26.2'E
28°28.6'S	062°21.0'E	

Feature Description:	Maximum Depth:	4750m	Steepness :	
	Minimum Depth :	2700m	Shape :	
	Total Relief :	2050m	Dimension/Size :	13km×49km

Associated Features:	This seamount is located in the middle of Southeast India Ocean. It extends from northeast to southwest. Its peak and the hillside are steep.
-----------------------------	---

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.09
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Siwen is from a poem in “Shi Jing Zhou Song” (an ancient book of poems).--"Oh, virtuous Houji; You're great as God". "Hou Ji" mentioned here is the father of people in Zhou Dynasty. The seamount named "Siwen" refers to the commemoration of ancestors.
--	--

Discovery Facts:	Discovery Date:	Dec. 2012
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Dec. 2012
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	EM120 multi-beam sounding system
	Type of Navigation:	StarFire-2050M WAD DGPS
	Estimated Horizontal Accuracy (nm):	<=0.0054nm
	Survey Track Spacing:	
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Haiwen Zhang
	Date:	14 May 2014
	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:

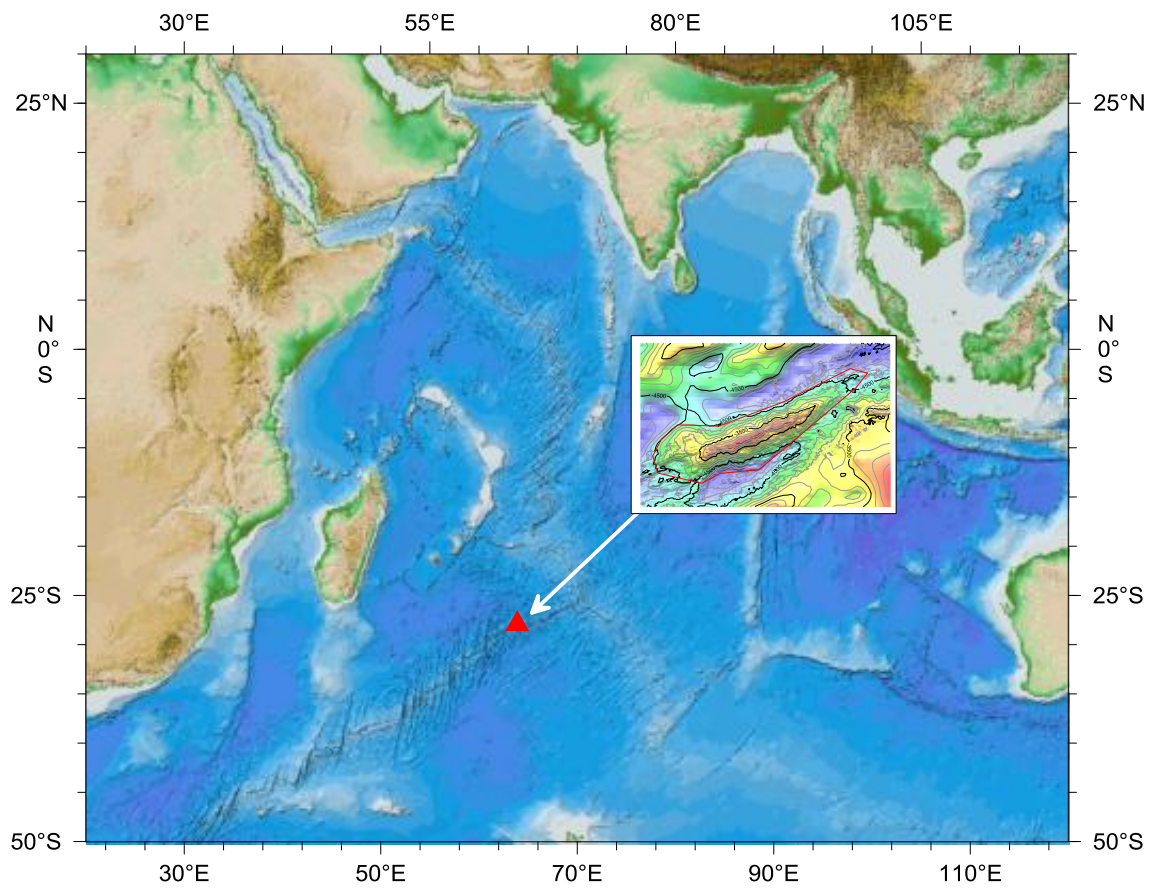


Fig.1 Index map showing the location of the Siwen Seamount.

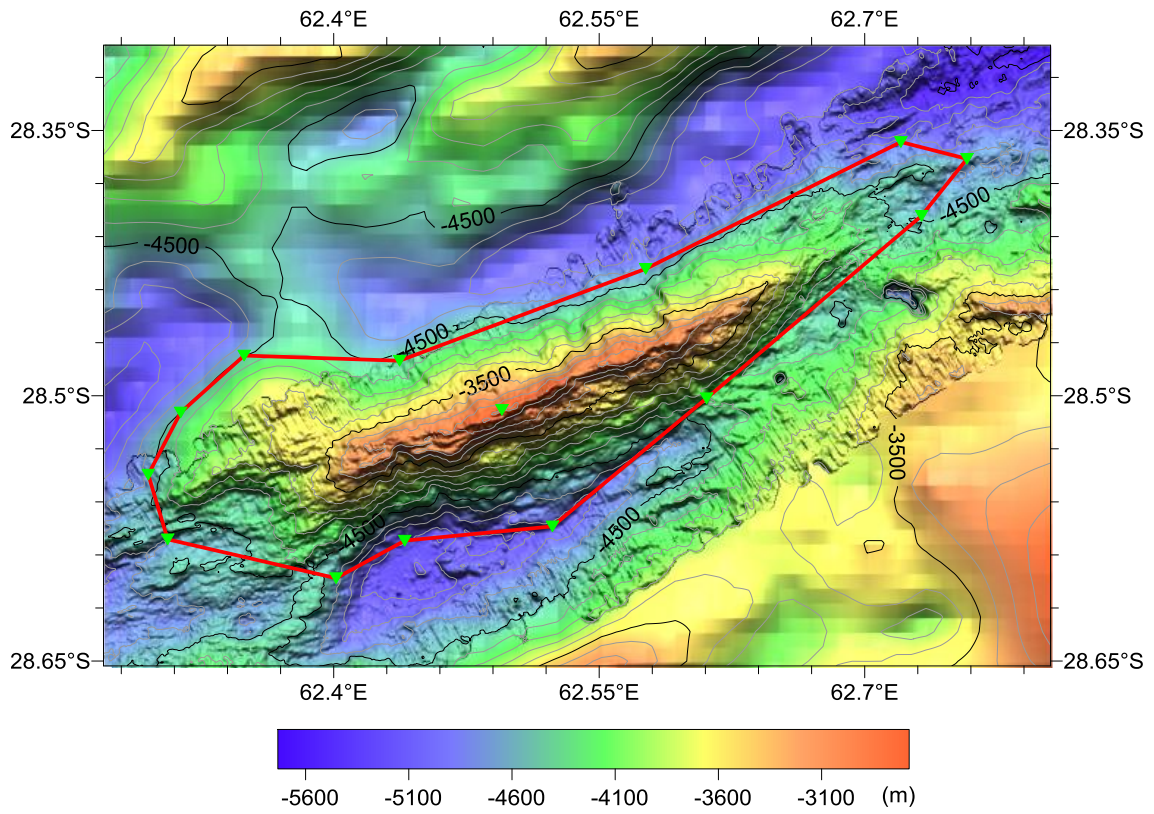


Fig.2 Bathymetric map of the Siwen Seamount. (Contours are in 200 m)

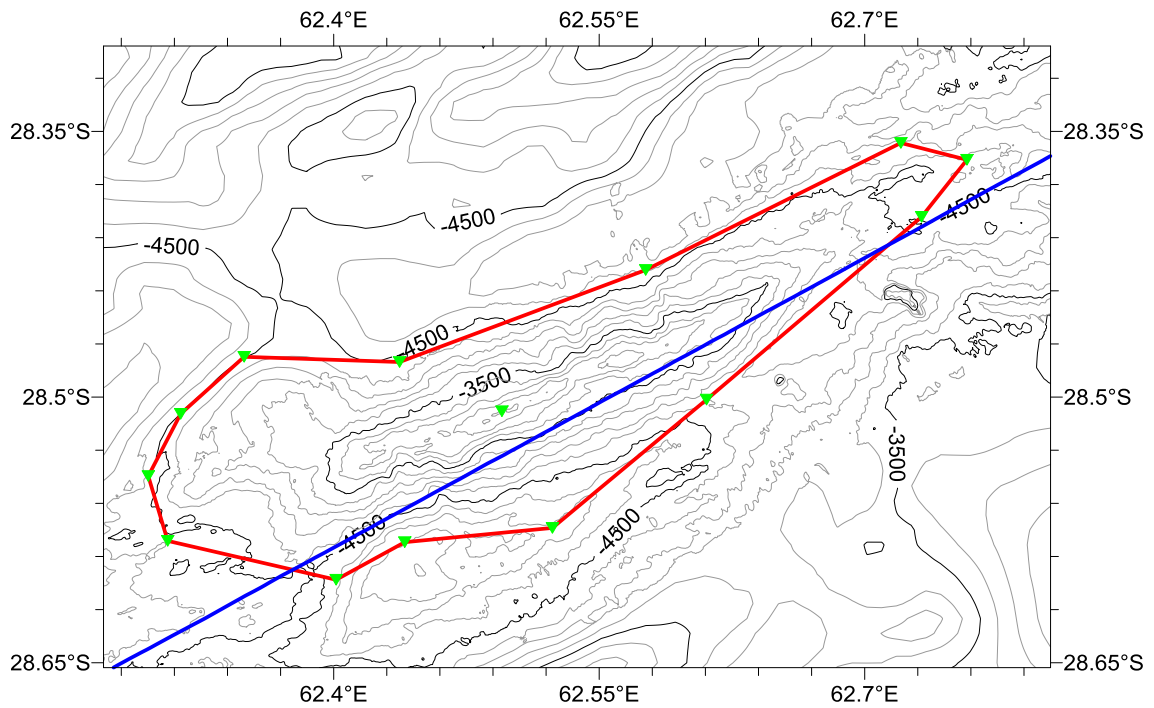


Fig.3 Bathymetric map of the Siwen Seamount, showing track line.
(Contours are in 200 m. Blue line for the track line.)

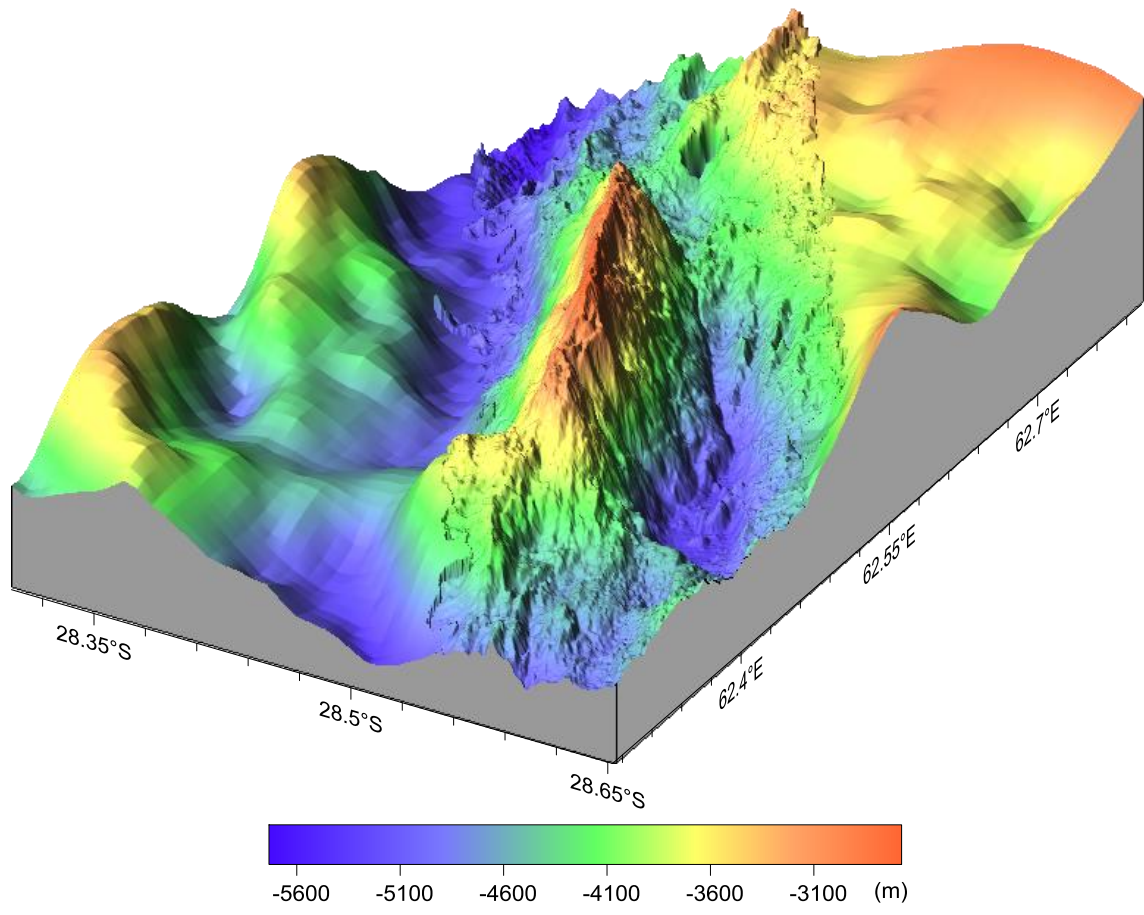


Fig.4 3-D bathymetric map of the Siwen Seamount

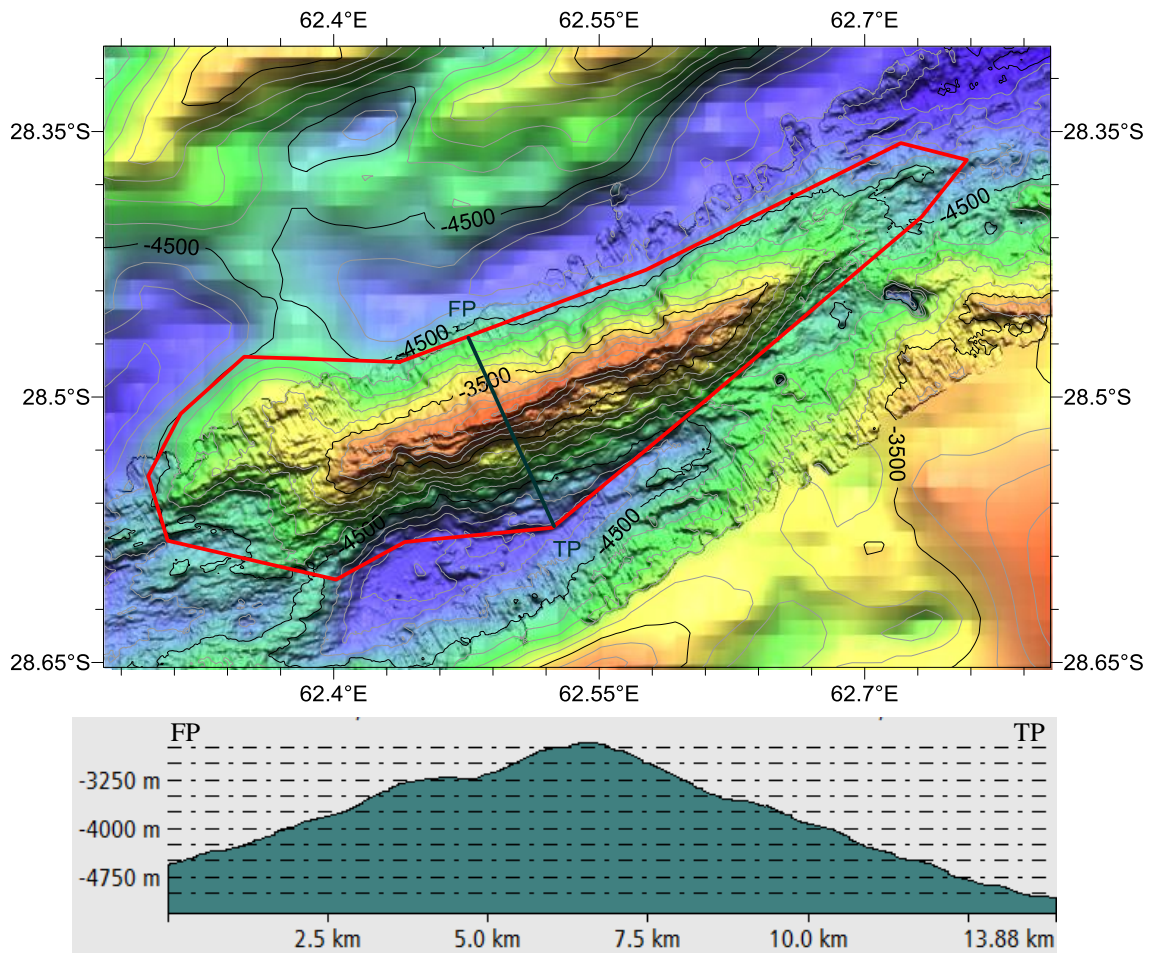


Fig.5 Profile map of the Siwen Seamount.