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

## UNDERSEA FEATURE NAME PROPOSAL

Name Proposed:   Keyi Seamount   Ocean or Sea:   Indian Ocean			UNDI	<u>EKSEA FEA</u>	ATURE	NAME PR	<u>OPOSAL</u>			
Point Line Polygon Multiple Points Multiple Lines Multiple Polygons of geometries  Geometry should be clearly distinguished when providing the coordinates below.  Lat. (e.g. 63°32.6'N) Long. (e.g. 046°21.3'W)  99°03.7'N (summit) 058°13.1'E (summit) 09°07.7'N (bottom) 058°01.1'E (bottom) 09°09.2'N 058°10.1'E 058°16.1'E 09°06.9'N 058°16.1'E 09°06.9'N 058°18.9'E 058°18.9'E 058°18.3'E 08°59.0'N 058°18.3'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 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:  Chart/Map References:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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 iourney.	Name Propo	Name Proposed: Keyi Seamount Ocean or Sea:		Sea:	Indian Ocean					
Point Line Polygon Multiple Points Multiple Lines Multiple Polygons of geometries  Geometry should be clearly distinguished when providing the coordinates below.  Lat. (e.g. 63°32.6'N) Long. (e.g. 046°21.3'W)  99°03.7'N (summit) 058°13.1'E (summit) 09°07.7'N (bottom) 058°01.1'E (bottom) 09°09.2'N 058°10.1'E 058°16.1'E 09°06.9'N 058°16.1'E 09°06.9'N 058°18.9'E 058°18.9'E 058°18.3'E 08°59.0'N 058°18.3'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 058°16.2'E 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:  Chart/Map References:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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 iourney.	Geometry th	at best	defines the	feature (Ye	es/No):			·		
Lat. (e.g. 63°32.6'N)							_	-	of of	
Lat. (e.g. 63°32.6'N)				Yes						
O9°03.7'N (summit)	* Geometry sł	nould b	e clearly di	stinguished	when pr	oviding the	e coordinates be	elow.		
O9°07.7'N (bottom)			Lat. (e.g.	. 63°32.6'N)	)		Long. (e.g	g. 046°21.3'	W)	
Coordinates:  09°09.2'N 09°08.6'N 09°06.9'N 09°01.8'N 09°01.8'N 08°59.0'N 08°59.0'N 08°59.6'N 09°02.1'N 09°04.9'N 09°04.9'N 058°16.2'E 08°08.1'E 09°04.9'N 058°06.5'E     Maximum Depth:   3800 m   Steepness:			09°03.7′	N (summi	it)		058°13.1′	E (summit	)	
Coordinates:    09°08.6'N   058°16.1'E   058°18.9'E   058°18.9'E   058°19.5'E   08°59.0'N   058°19.5'E   08°59.6'N   058°11.2'E   09°02.1'N   09°04.9'N   058°06.5'E					1)				)	
Coordinates:    09°06.9'N   09°01.8'N   058°18.9'E   058°19.5'E   058°19.5'E   08°59.0'N   058°18.3'E   08°59.6'N   058°11.2'E   09°02.1'N   09°04.9'N   058°06.5'E										
Coordinates:    09°01.8′N   08°59.0′N   058°19.5′E   058°18.3′E   058°57.6′N   058°16.2′E   09°02.1′N   058°06.5′E										
08°59.0°N   058°18.3°E   058°16.2°E   058°16.2°E   058°06.2°E   058°08.1°E   09°02.1°N   058°08.1°E   09°04.9°N   058°06.5°E	Coordinates									
08°57.6′N   058°16.2′E   058°11.2′E   058°11.2′E   058°08.1′E   058°08.1′E   058°06.5′E	Coordinates	•								
08°59.6′N   09°02.1′N   058°08.1′E   058°06.5′E										
Maximum Depth:   3800 m   Steepness:										
Feature Description:    Maximum Depth:   3800 m   Steepness:			09°02.1′N				058°08.1′	058°08.1′E		
Minimum Depth : 1300 m   Shape :     Total Relief : 2500 m   Dimension/Size : 18.5km × 24km			09°04.9′	N			058°06.5′1	Е		
Minimum Depth : 1300 m   Shape :     Total Relief : 2500 m   Dimension/Size : 18.5km × 24km			1 3 4 .	D 4	2000		- Cu			
Associated Features:  This seamount lies in the northwest mid ocean ridge of Indian Ocean.  Shown Named on Map/Chart: Shown Unnamed on Map/Chart: Shown Unnamed on Map/Chart: Within Area of Map/Chart:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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.	Feature							:		
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:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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.	<b>Description:</b>								18 5km × 24km	
This seamount lies in the northwest mid ocean ridge of Indian Ocean.  Shown Named on Map/Chart:  Shown Unnamed on Map/Chart:  Shown Unnamed on Map/Chart:  GEBCO 5.05  Within Area of Map/Chart:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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.			10tai Ke	1101 .	2300 II	11	Difficusion	II/SIZE.	10.JKIII × 24KIII	
Chart/Map References:  Shown Unnamed on Map/Chart:  GEBCO 5.05  Within Area of Map/Chart:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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.			This sear	mount lies in	n the nor	thwest mid	ocean ridge of	f Indian Oce	ean.	
Chart/Map References:  Shown Unnamed on Map/Chart:  GEBCO 5.05  Within Area of Map/Chart:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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.			Shown N	Named on M	[ap/Char	 t:				
Reason for Choice of Name (if a person, state how associated with the feature to Within Area of Map/Chart:  Keyi comes from a verse of SHIJING-ZHOUSONG (SHIJING 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.	Chart/Map References: Shown Unnamed on Map/C					GEBCO 5	GEBCO 5.05			
Choice of Name (if a person, state how associated with the feature to with the feature to (if a person), state how associated with the feature to (if a person), state how associated with the feature to (if a person), state how associated (if a pe			/Chart:							
Choice of Name (if a person, state how associated with the feature to with the feature to (if a person), state how associated with the feature to (if a person), state how associated with the feature to (if a person), state how associated (if a pe			1							
Choice of Name (if a person, state how associated with the feature to with the feature to compare the following state of the feature to compare the feature the feature to compare the feature to compare the feature the feature to compare the feature that the feature the feature that the feature the feature that the feat			Kevi con	mes from a	a verse	of <i>SHIJIN</i>	G·ZHOUSON(	G (SHIJING	G is a collection of	
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.	Choice of Na	ame						•		
with the feature to different fields work together, help each other and share the happiness in this scientific exploration journey.	(if a person,	state		_						
with the feature to exploration journey.	how associat	ed		_				-		
be named):	with the feat	ure to			togetnei	i, neip each	omer and snat	e me nappi	mess in this scientific	
	be named)	:	explorati	on journey.						

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

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

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

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

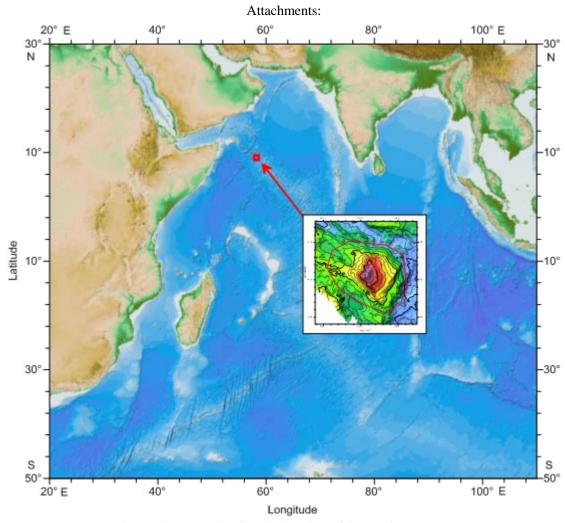


Fig.1 Index map showing the location of the Keyi Seamount

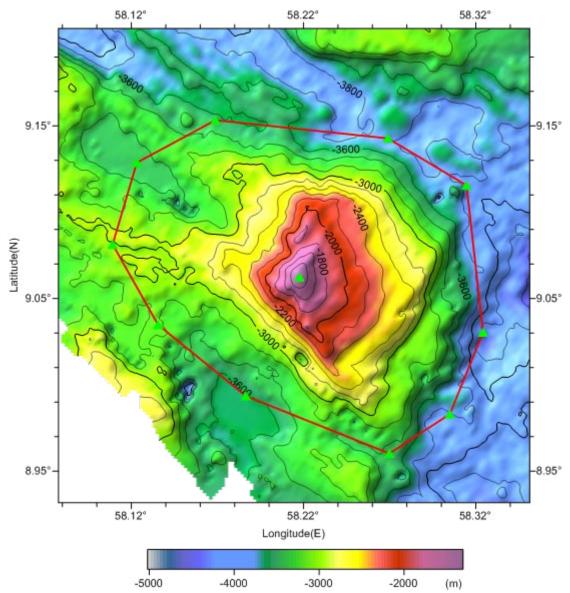


Fig.2 Bathymetric map of the Keyi Seamount (Contours are in 200 m).

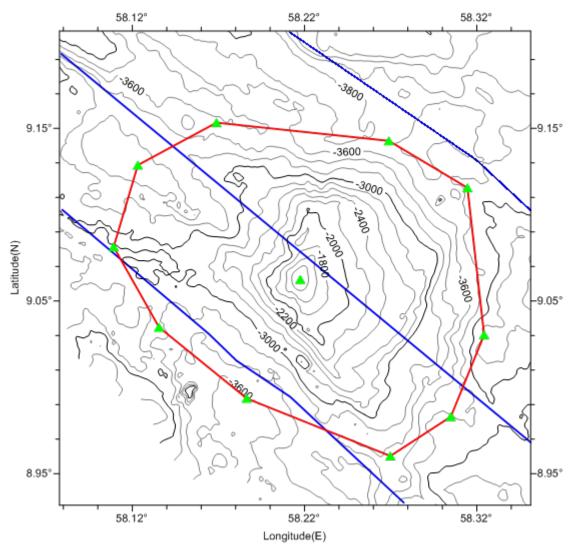


Fig.3 Bathymetric map of the Keyi Seamount, showing track lines. (Contours are in  $200\ m$ )

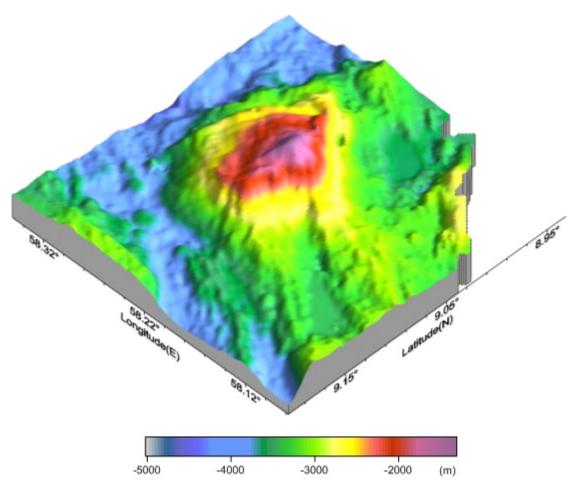


Fig.4 3-D bathymetric map of the Keyi Seamount

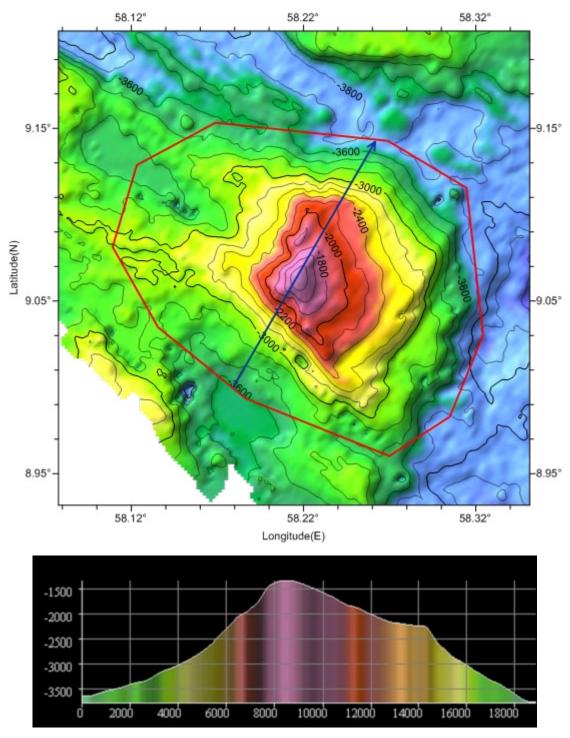


Fig.5 Profile of the Keyi Seamount