

INTERNATIONAL HYDROGRAPHIC ORGANIZATION	INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)
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UNDERSEA FEATURE NAME PROPOSAL

Name Proposed:	Guling Seamounts	Ocean or Sea:	Pacific Ocean
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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:	10°57.1'N (summit)	170°22.2'W (summit)
	10°47.9'N (summit)	170°07.0'W (summit)
	10°44.8'N (summit)	169°36.5'W (summit)
	10°44.6'N (summit)	169°12.7'W (summit)
	10°55.8'N (bottom)	169°25.2'W (bottom)
	10°54.6'N	169°09.6'W
	10°48.6'N	169°04.2'W
	10°41.1'N	169°06.9'W
	10°34.1'N	169°20.5'W
	10°26.3'N	169°30.8'W
	10°27.8'N	169°41.7'W
	10°28.7'N	170°18.8'W
	10°37.2'N	170°24.9'W
	10°53.2'N	170°29.9'W
	11°02.9'N	170°27.6'W
	11°03.9'N	170°19.7'W
	11°01.1'N	170°13.3'W
	11°03.7'N	170°09.7'W
	11°03.3'N	169°55.4'W
	11°06.3'N	169°50.4'W
11°01.9'N	169°44.9'W	
11°01.6'N	169°30.3'W	

Feature Description:	Maximum Depth:	4976 m	Steepness :	
	Minimum Depth :	1627 m	Shape :	
	Total Relief :	3349 m	Dimension/Size :	153.5 km × 70.4km

Associated Features:	These seamounts belong to Ryan seamount chain and extend from the east to the west.
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.07
	Within Area of Map/Chart:	

Reason for Choice of Name	Guling comes from a verse of <i>SHIJING-XIAOYA</i> (<i>SHIJING</i> is a collection of ancient Chinese poems from 11 B.C. to 6 B.C.) . The verse means high banks become deep valleys and deep valleys become huge mountains. It shows ancient people's
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(if a person, state how associated with the feature to be named) :	understanding of geological changes. This seamount group is named Guling to show that ancient Chinese people's remarkable understanding of geological changes.
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Discovery Facts:	Discovery Date:	Aug. 2002
	Discoverer (Individual, Ship):	R/V Haiyang Sihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Aug. 2002
	Survey Ship:	R/V Haiyang Sihao
	Sounding Equipment:	Multi-beam sounding system (SeaBeam2112.360)
	Type of Navigation:	Oministar DGPS
	Estimated Horizontal Accuracy (nm):	<=0.0054 nm
	Survey Track Spacing:	3.5 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
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	Organization and address:	Sub Committee on Undersea Feature Names of China Committee on Geographical Names No.1 Fuxingmenwai Ave. Beijing

Remarks:	
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Attachments:

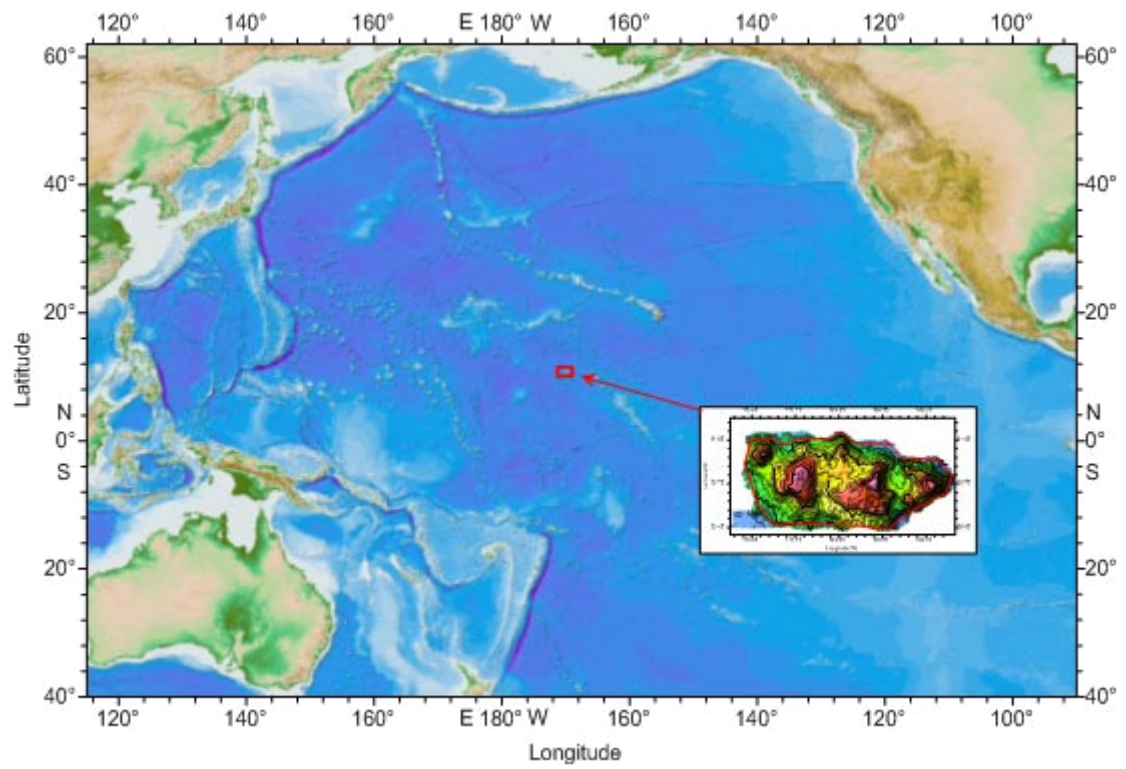


Fig.1 Index map showing the location of the Guling Seamounts

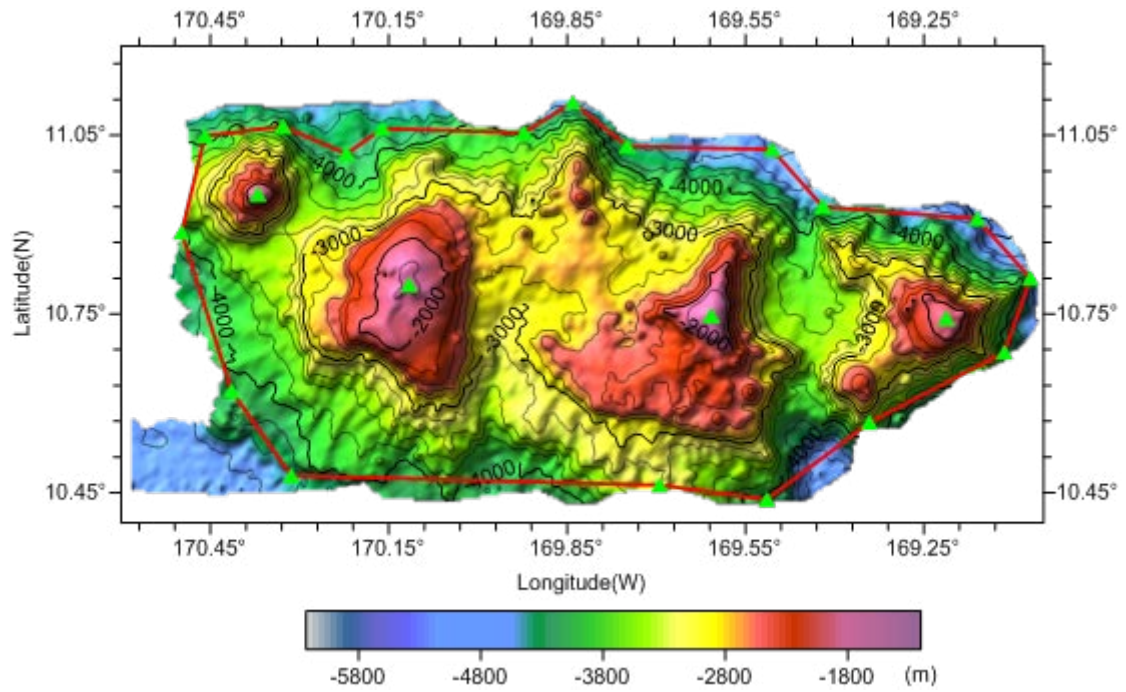


Fig.2 Bathymetric map of the Guling Seamounts (Contours are in 200 m).

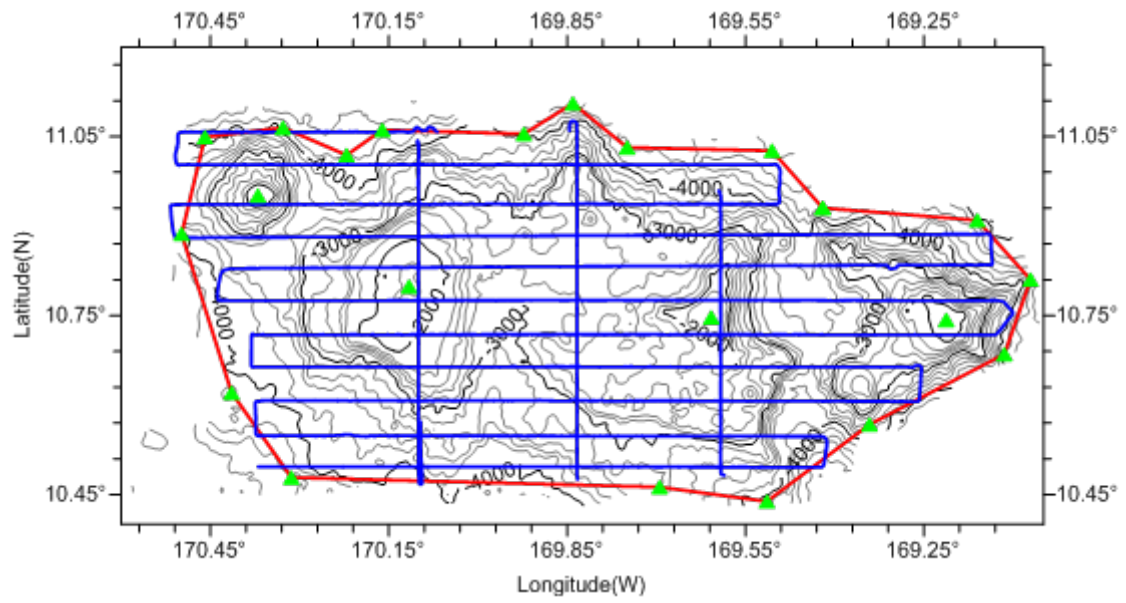


Fig.3 Bathymetric map of the Guling Seamounts, showing track lines.
(Contours are in 200 m)

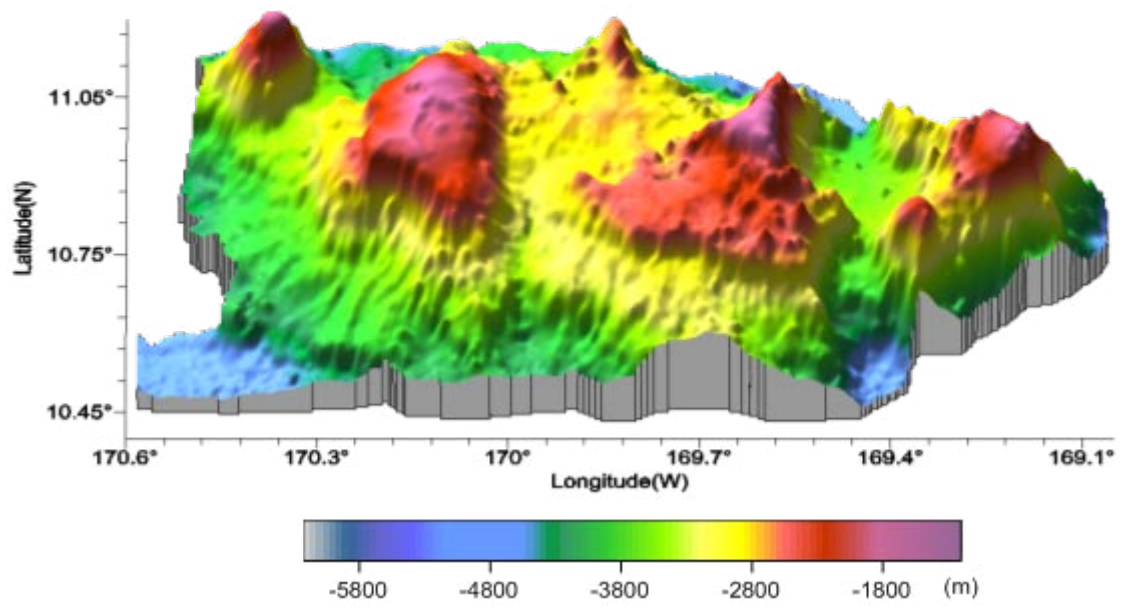


Fig.4 3-D bathymetric map of the Guling Seamounts

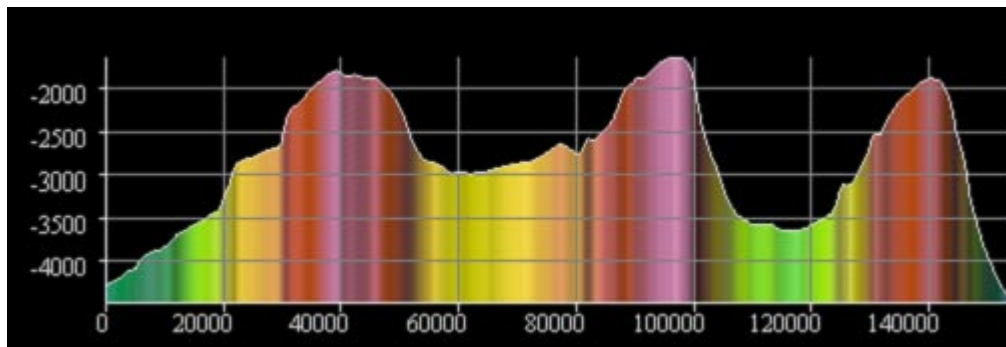
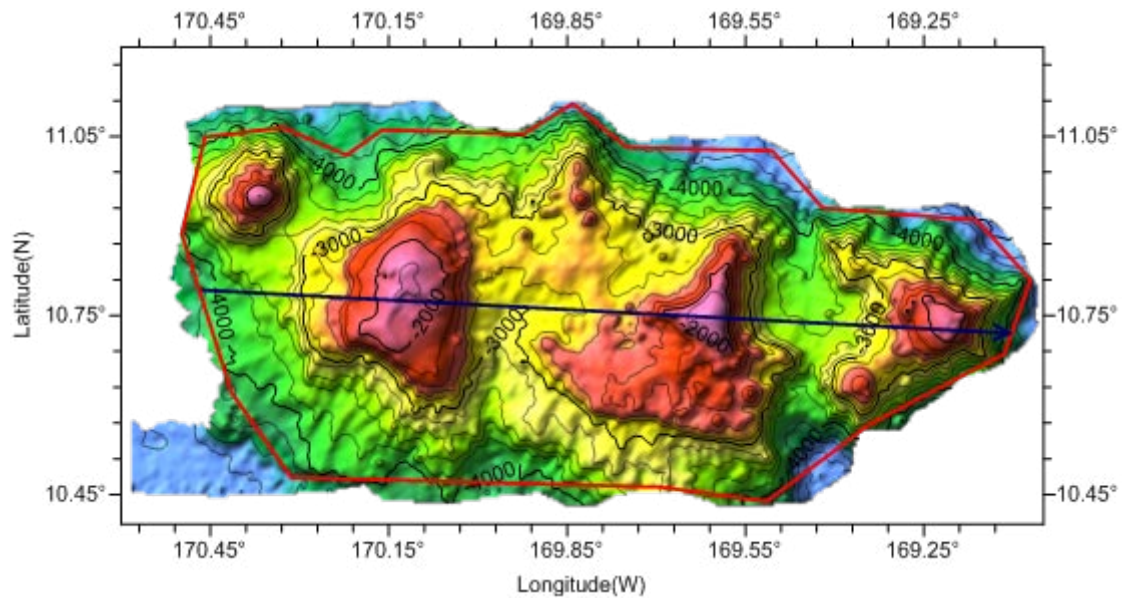


Fig.5 Profile of the Guling Seamounts