

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

Name Proposed:	Weiyu Guyot	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:	18°06.5'N (summit)	178°42.5'W (summit)
	18°22.7'N (bottom)	179°04.7'W (bottom)
	18°24.7'N	178°58.2'W
	18°18.1'N	178°52.3'W
	18°13.5'N	178°47.4'W
	18°13.6'N	178°44.4'W
	18°17.3'N	178°44.8'W
	18°19.3'N	178°43.3'W
	18°17.0'N	178°37.6'W
	18°12.8'N	178°32.4'W
	17°58.1'N	178°33.6'W
	17°56.1'N	178°37.1'W
	17°59.5'N	178°54.3'W
	18°03.1'N	179°03.9'W
	18°06.2'N	179°05.5'W
18°09.9'N	179°03.4'W	
18°17.1'N	179°05.4'W	

Feature Description:	Maximum Depth:	4750 m	Steepness :	
	Minimum Depth :	1510 m	Shape :	
	Total Relief :	3240 m	Dimension/Size :	58.9 km × 26.6 km

Associated Features:	This seamount lies in deep sea plain with a flat top, extending from southeast to northwest.
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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 (if a person, state how associated with the feature to be named) :	Weiyu comes from <i>SHIJING-XIAOYA</i> (<i>SHIJING</i> is a collection of ancient Chinese poems from 11 B.C. to 6 B.C.). This poem tells a story of a shepherd who dreamed that the locusts turned into fish and the snake drawn on the flag turned into an eagle. He asked the fortune-teller about his dream and was told his dream auguring for a good harvest and the born of new babies. This seamount is named Weiyu representing ancient Chinese people's understanding of dreams and their expectation for a better
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	life.
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Discovery Facts:	Discovery Date:	Mar. 1998
	Discoverer (Individual, Ship):	R/V Dayang Yihao

Supporting Survey Data, including Track Controls:	Date of Survey:	Mar. 1998
	Survey Ship:	R/V Dayang Yihao
	Sounding Equipment:	Multi-beam sounding system (Seabeam2112.360)
	Type of Navigation:	Sercel NR51 DGPS
	Estimated Horizontal Accuracy(nm):	<=0.08nm
	Survey Track Spacing:	5.4 nm
	Supporting material can be submitted as Annex in analog or digital form. See Attachments	

Proposer(s):	Name(s):	Zhanhai ZHANG
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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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Attachment:

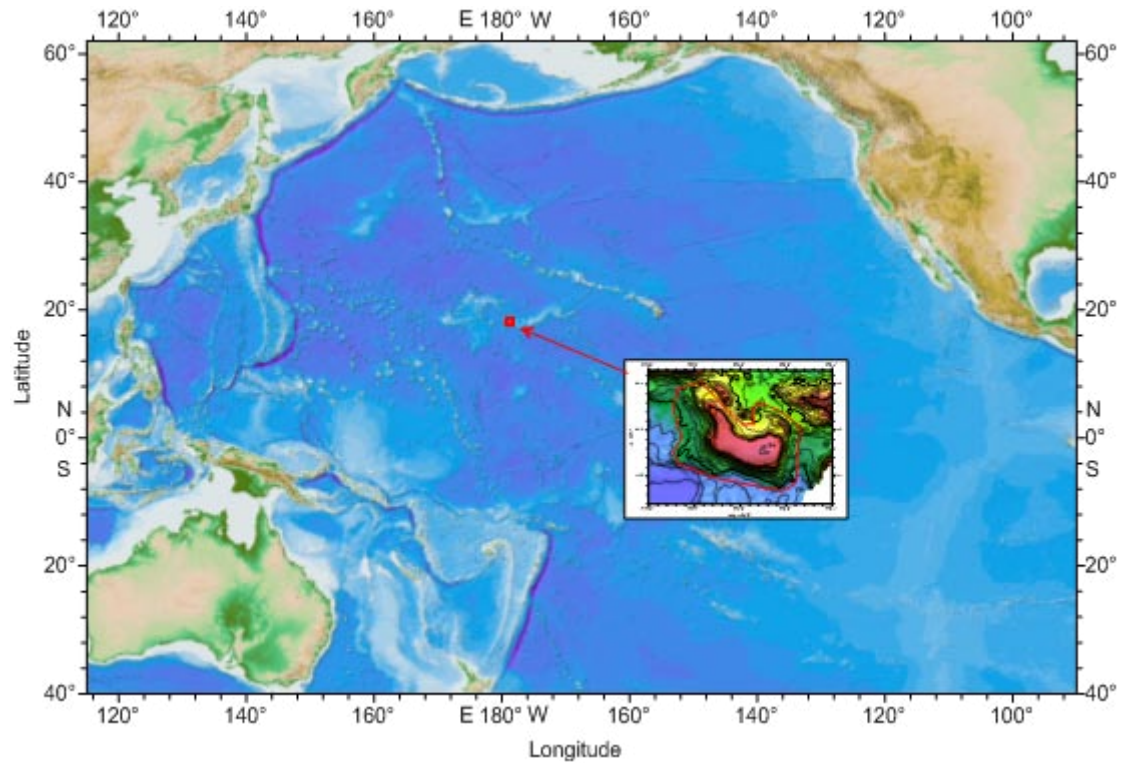


Fig.1 Index map showing the location of the Weiyu Guyot

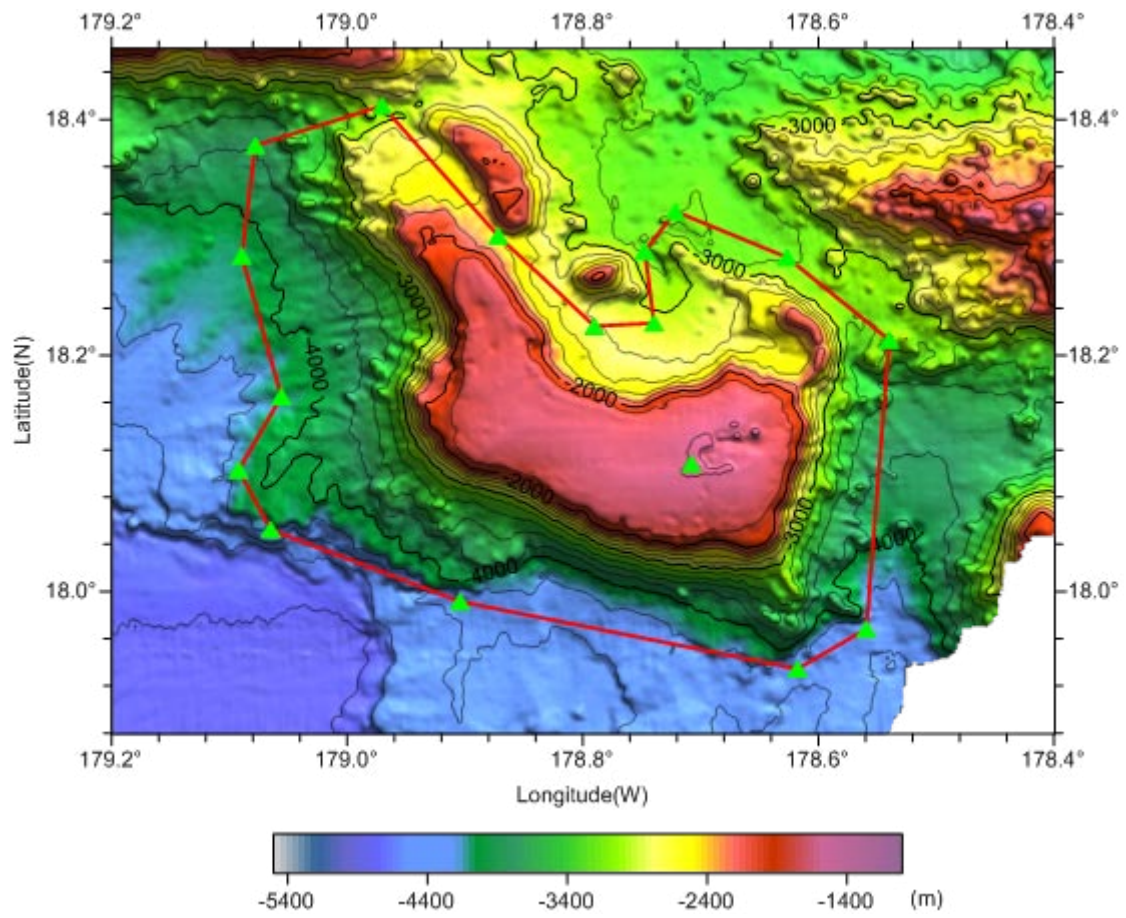


Fig.2 Bathymetric map of the Weiyu Guyot (Contours are in 200m).

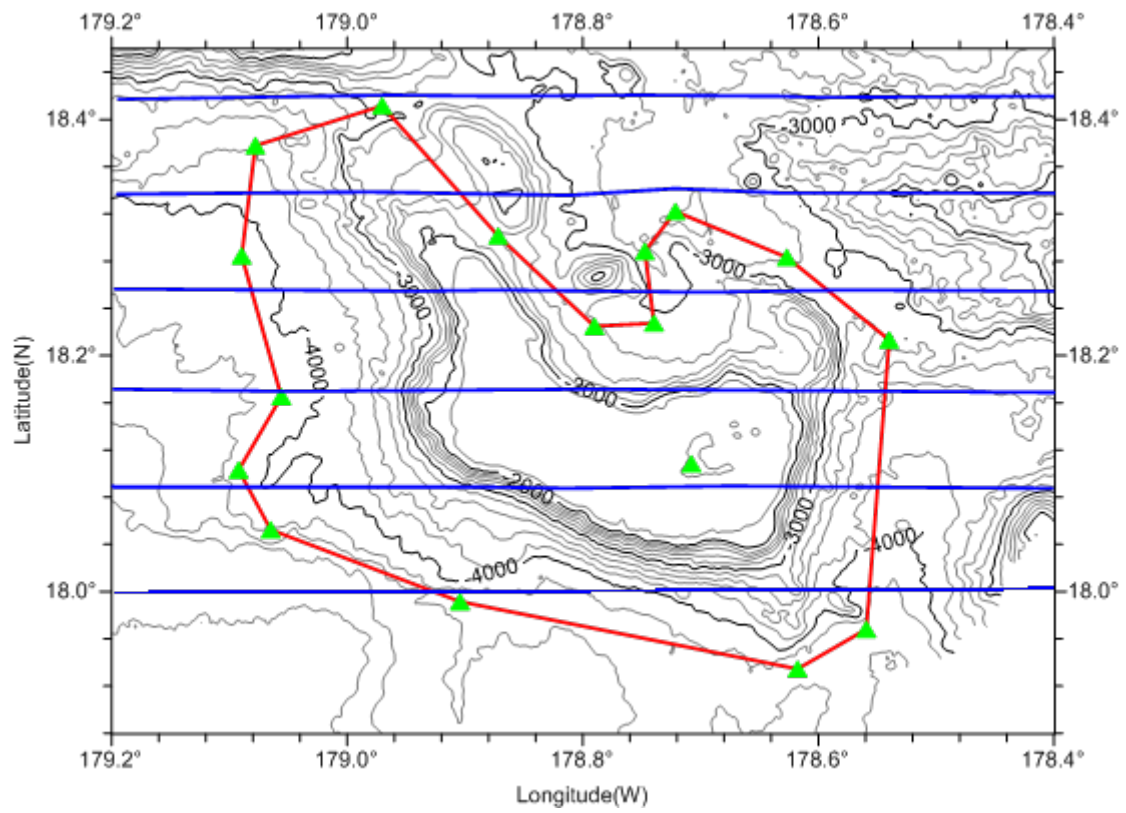


Fig.3 Bathymetric map of the Weiyu Guyot, showing track lines.
(Contours are in 200m)

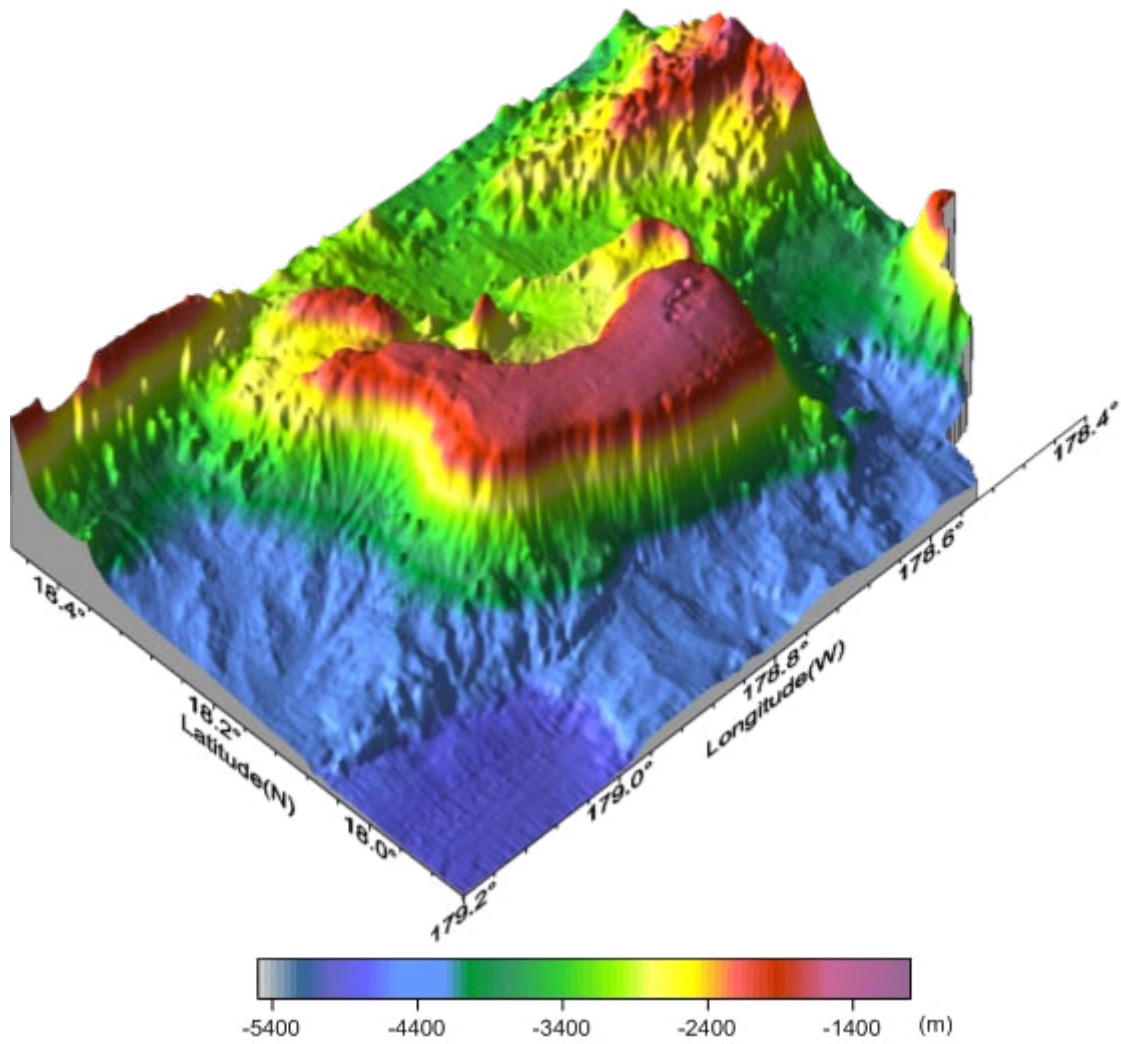


Fig.4 3-D bathymetric map of the Weiyu Guyot.

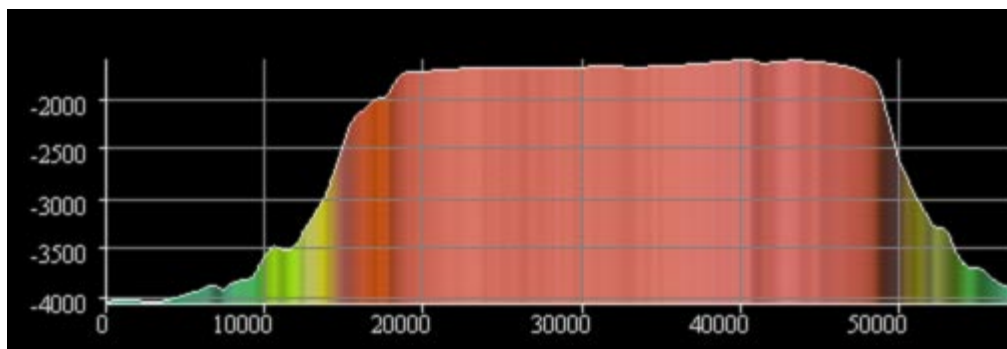
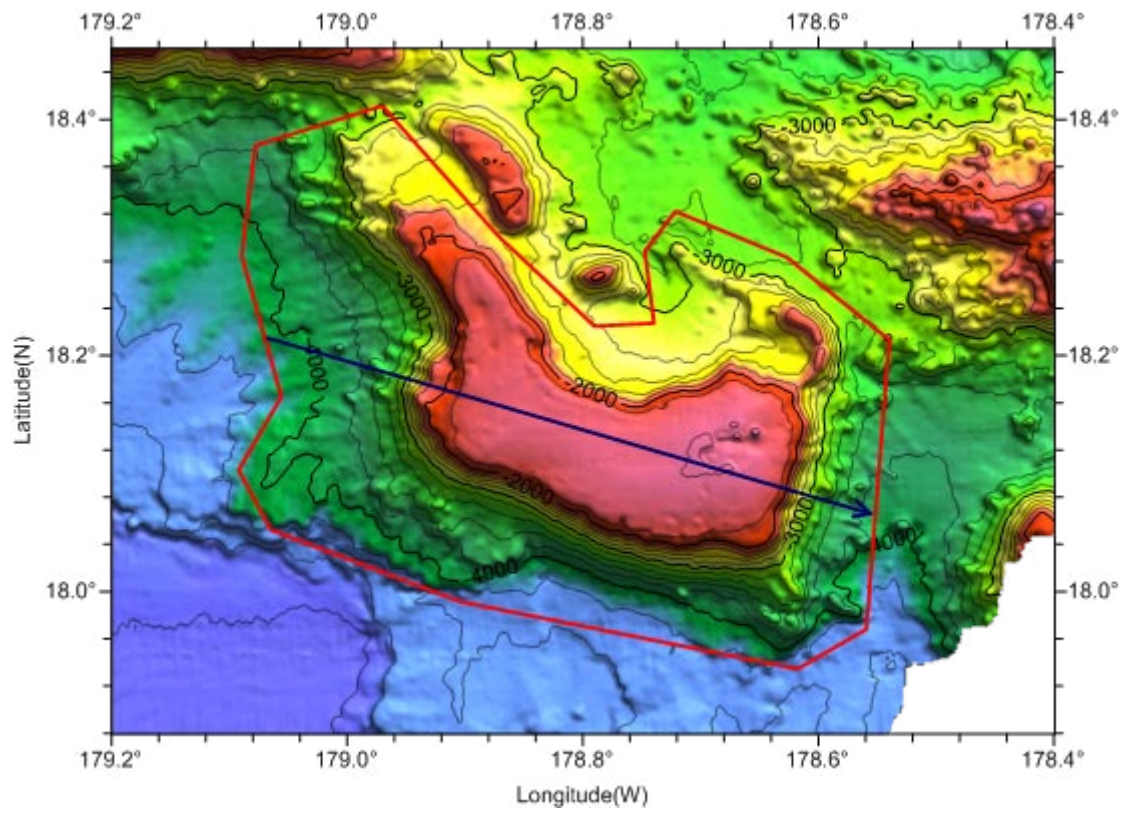


Fig.5 Profile of the Weiyu Guyot