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

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

| Name Proposed: | XU FU SEAMOUNTS | Ocean or Sea: | Northwest Pacific Ocean |
|---|---|---|---|

| Geometry that best defines the feature (Yes/No) : | | | | | | |
|---|---|---|---|---|---|---|
| Point | Line | Polygon | Multiple Point s | 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: | 20°00.6'N（summit） | 157°26.4'E（summit） |
| | 19°57.8'N（summit） | 157°27.3'E（summit） |
| | 19°46.3'N（summit） | 157°22.8'E（summit） |
| | 19°41.5'N（summit） | 157°43.0'E（summit） |
| | 19°32.3'N（summit） | 157°56.0'E（summit） |
| | 19°12.3'N（summit） | 158°14.0'E（summit） |
| | 19°10.8'N（summit） | 158°15.3'E（summit） |
| | 19°50.3′N（bottom） | 157°13.8′E（bottom） |
| | 20°01.0′N | 157°15.0′E |
| | 20°11.3′N | 157°21.4′E |
| | 20°15.8′N | 157°27.4′E |
| | 20°01.5′N | 157°35.1′E |
| | 19°53.7′N | 157°34.4′E |
| | 19°46.6′N | 158°03.9′E |
| | 19°27.6′N | 158°13.6′E |
| | 19°17.6′N | 158°25.7′E |
| | 19°06.1′N | 158°25.1′E |
| | 19°28.6′N | 157°32.8′E |
| | 19°35.3′N | 157°18.0′E |
| | 19°12.4′N | 158°00.9′E |
| | 19°01.4′N | 158°14.1′E |
| | 19°49.2′N | 157°50.7′E |
| | 19°38.6′N | 158°07.3′E |
| | 19°33.6′N | 157°30.8′E |
| | 20°12.5′N | 157°31.5′E |

| Feature Description: | Maximum Depth: | 5500m | Steepness : | 8° -11° |
|---|---|---|---|---|
| | Minimum Depth : | 1200m | Shape : | Oval |
| | Total Relief : | 4300m | Dimension/Size : | 180km×70km |

| Associated Features: | Belong to Marcus-Wake Ridge，the northeast side close to Lamont Seamount，with the northwest-southeast extension. |
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| Chart/Map References: | Shown Named on Map/Chart: | |
| | Shown Unnamed on Map/Chart: | GEBCO 5.06 |
| | Within Area of Map/Chart: | |

| | |
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| Reason for Choice of Name (if a person, state how associated with the feature to be named): | XU FU is a famous Taoist in the Qin Dynasty of 210 years BC. He was very erudite and had good knowledge of medicine, astronomy, navigation, etc. It is said that XU FU was sent by the first Emperor of Qin to lead thousands of people out to sea, looking for the elixir of life for the Emperor, and never returned. Meanwhile, his reputation is fairly high as a doctor among the people in coastal areas of ancient China. In memory of this famous person, people named their villages and temples after him. XU FU SEAMOUNTS is named after the famous person, indicating that as early as 210 years BC, the Chinese people began to launch navigation activities in an organized manner. XU FU was an outstanding representative of them. |

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| Discovery Facts: | Discovery Date: | Aug.2004 |
| | Discoverer (Individual, Ship): | R/V Dayang Yihao |

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|---|---|---|
| Supporting Survey Data, including Track Controls: | Date of Survey: | Aug.2004 |
| | Survey Ship: | R/V Dayang Yihao |
| | Sounding Equipment: | Norwegian EM120 multi-beam sounding system |
| | Type of Navigation: | SEASTAR 3100LRS WAD GPS |
| | Estimated Horizontal Accuracy (nm): | 0.0053nm |
| | Survey Track Spacing: | 8′ |
| | Supporting material can be submitted as Annex in analog or digital form. See Attachments | |

| | | |
|---|---|---|
| Proposer(s): | Name(s): | Zhanhai ZHANG |
| | Date: | 12 August 2011 |
| | E-mail: | heyunxu@hotmail.com |
| | Organization and Address: | State Oceanic Administration, China<br>No.1 Fuxingmenwai Ave. Beijing |

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| Remarks: | |

Attachments:

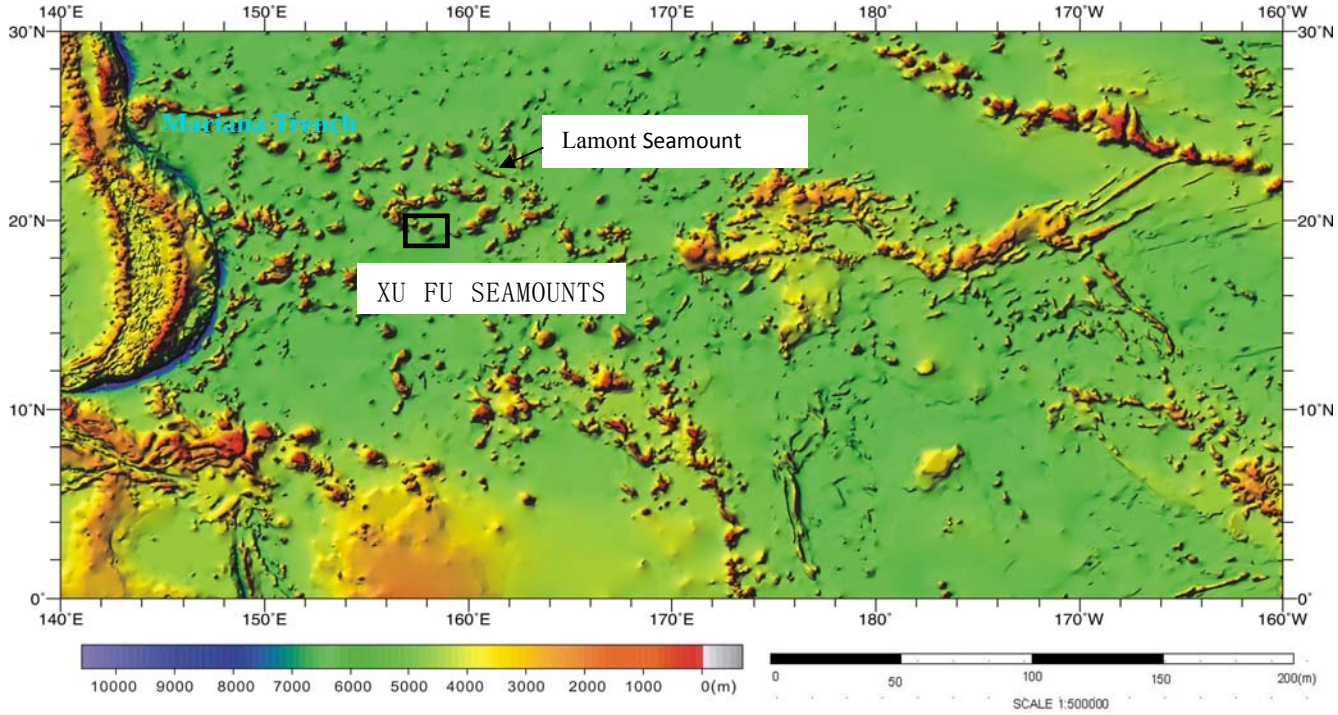


Fig.1 Index map showing the location of the XU FU SEAMOUNTS

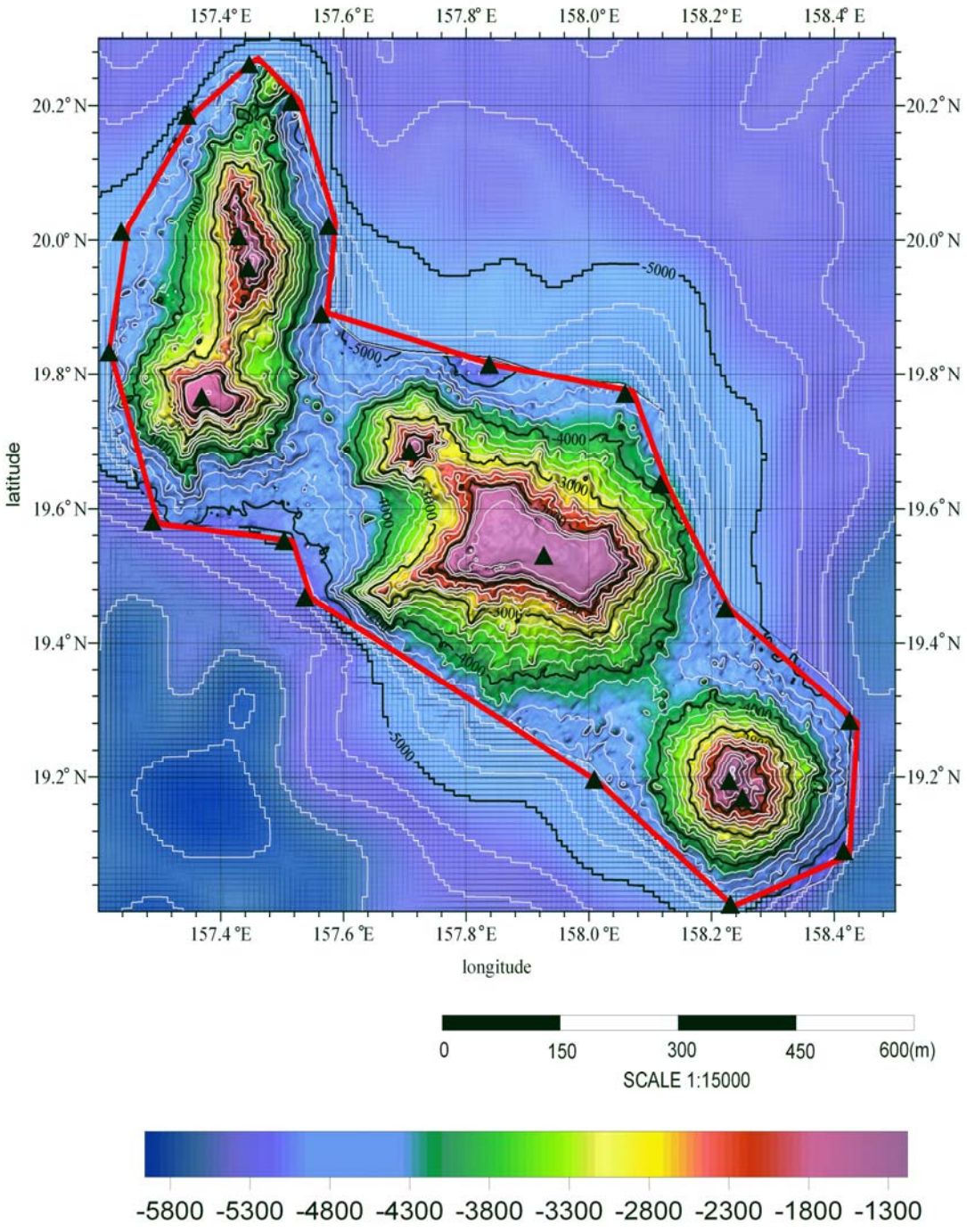


Fig.2 Bathymetric map of the XU FU SEAMOUNTS. (Contours are in 200 m)

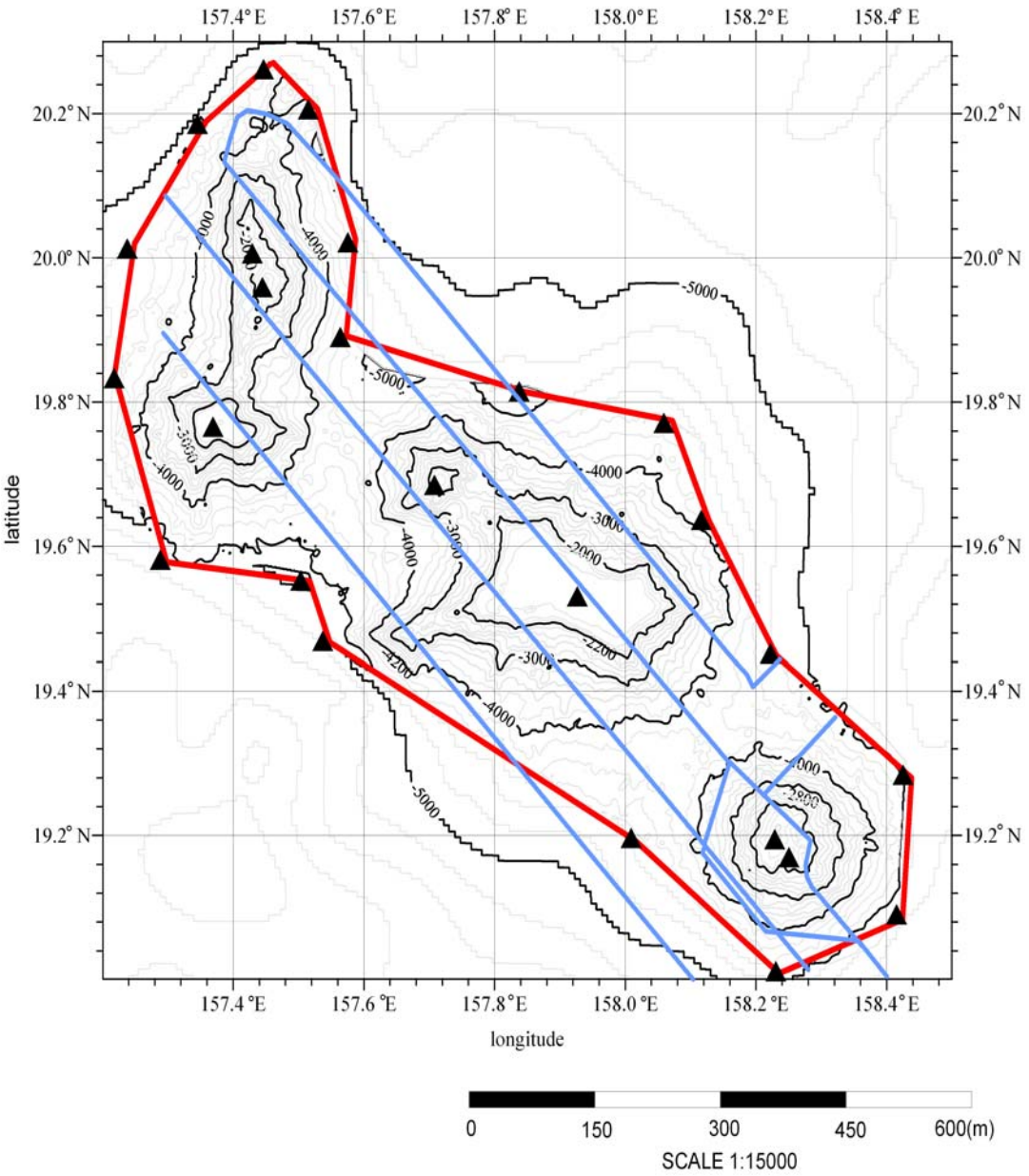


Fig.3 Bathymetric map of the XU FU SEAMOUNTS, showing track lines. (Contours are in 200 m)

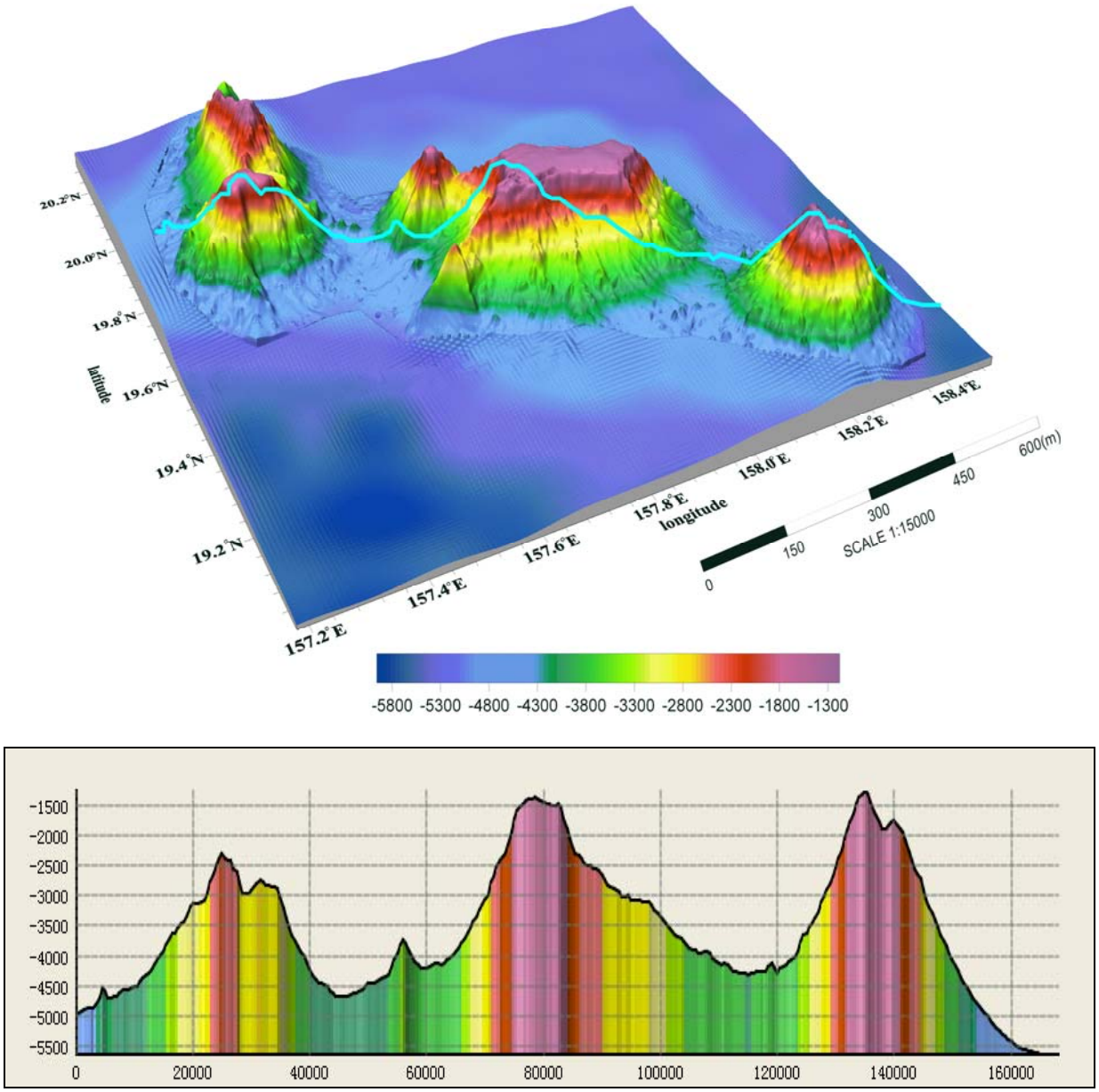


Fig.4 3-D bathymetric map and profile of the XU FU SEAMOUNTS