| 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:** | **Qingyuan Seamounts** | **Ocean or Sea:** | **Northwest Pacific 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:** | 21°26.5′N(Summit) | 128°30.2′E(Summit) |
| | 21°22.9′N(Summit) | 128°38.1′E(Summit) |
| | 21°26.9′N(Summit) | 128°23.6′E(Summit) |
| | 21°31.0′N | 128°16.1′E |
| | 21°30.8′N | 128°19.4′E |
| | 21°32.9′N | 128°21.9′E |
| | 21°33.6′N | 128°26.7′E |
| | 21°33.8′N | 128°31.7′E |
| | 21°31.6′N | 128°36.8′E |
| | 21°28.5′N | 128°39.9′E |
| | 21°25.4′N | 128°42.8′E |
| | 21°22.0′N | 128°42.1′E |
| | 21°19.0′N | 128°38.2′E |
| | 21°21.4′N | 128°20.1′E |
| | 21°26.6′N | 128°17.9′E |
| | 21°17.6′N | 128°24.0′E |
| | 21°18.4′N | 128°30.4′E |

| **Feature Description:** | Maximum Depth: | 4650 m | Steepness : | |
|---|---|---|---|---|
| | Minimum Depth : | 1652 m | Shape : | |
| | Total Relief : | 2998 m | Dimension/Size : | 49 km×32km |

| **Associated Features:** | On the East of Ruiyun Seamount, which China proposed this year. Compose of three seamounts. The minimum depths are 2162m, 1652m, 2277m respectively. |
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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: | |

| **Reason for Choice of Name** (if a person, state how associated with | The word "Qingyuan" means purity in Chinese. The seamounts are named |
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| the feature to be named)： | after Mount Qingyuan, a famous scenic area located in the central Fujian Province in China. |

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

| | | |
|---|---|---|
| **Supporting Survey Data, includingTrack Controls:** | Date of Survey: | Oct. 2004 |
| | Survey Ship: | R/V Dayang Yihao |
| | Sounding Equipment: | Multi-beam sounding system（EM120） |
| | Type of Navigation: | SEASTAR 3100LRS WAD DGPS |
| | Estimated Horizontal Accuracy (nm): | 0.0054nm higher |
| | Survey Track Spacing: | 3nm |
| | Supporting material can be submitted as Annex in analog or digital form: See Attachments | |

| | | |
|---|---|---|
| **Proposer(s):** | Name(s): | Zhanhai ZHANG |
| | Date: | 22 Sept. 2012 |
| | E-mail: | heyunxu@hotmail.com |
| | Organization and Address: | State Oceanic Administration, China<br>No.1 Fuxingmenwai Ave. Beijing |

| | |
|---|---|
| **Remarks:** | |

Attachments:

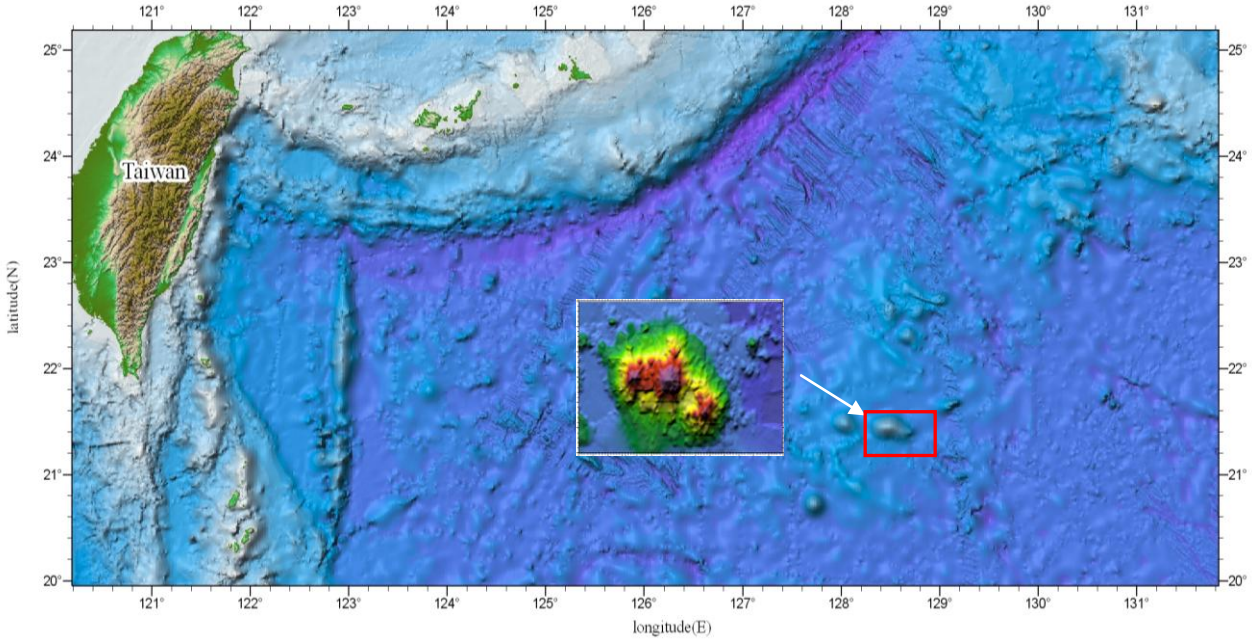


Fig.1. Index map showing the location of Qingyuan Seamounts

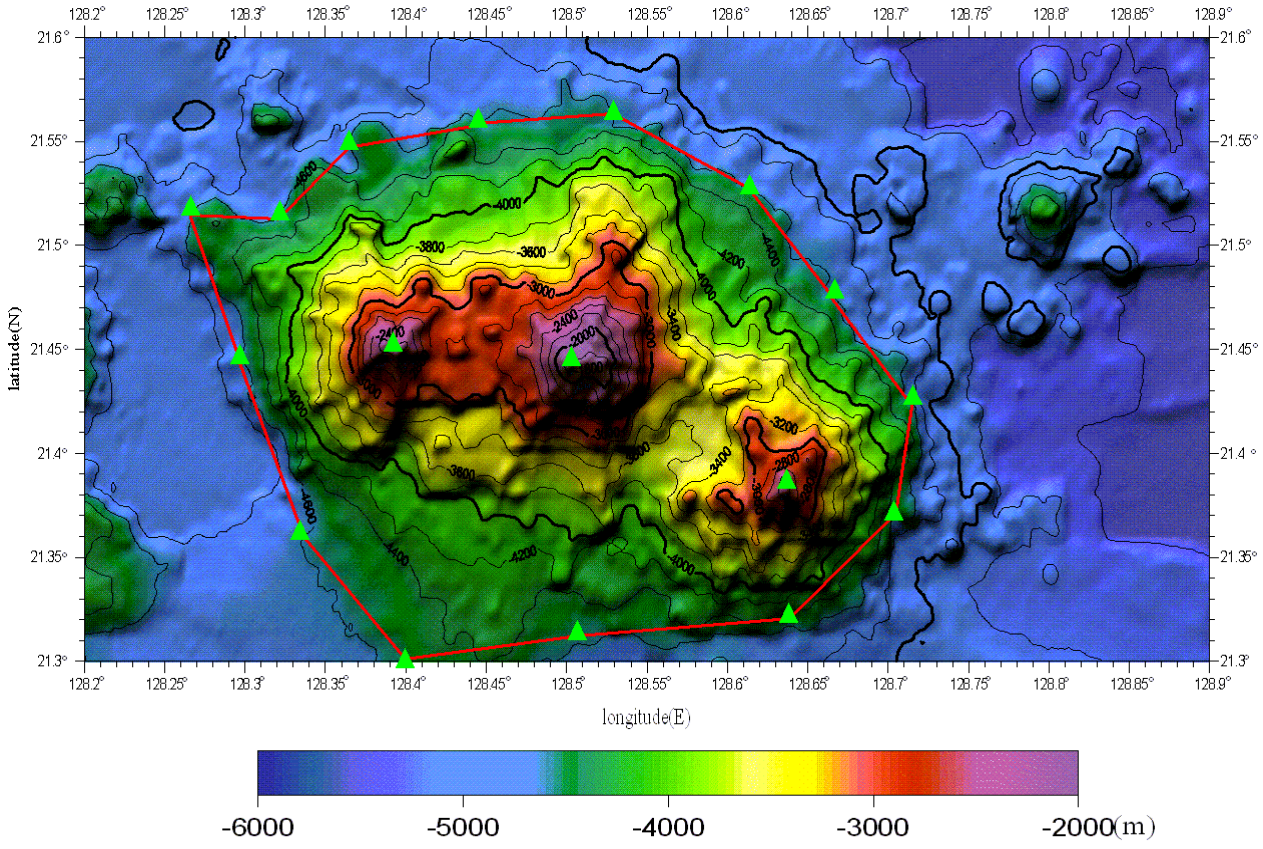


Fig.2. Bathymetric map of Qingyuan Seamounts. Contours are in 200 m

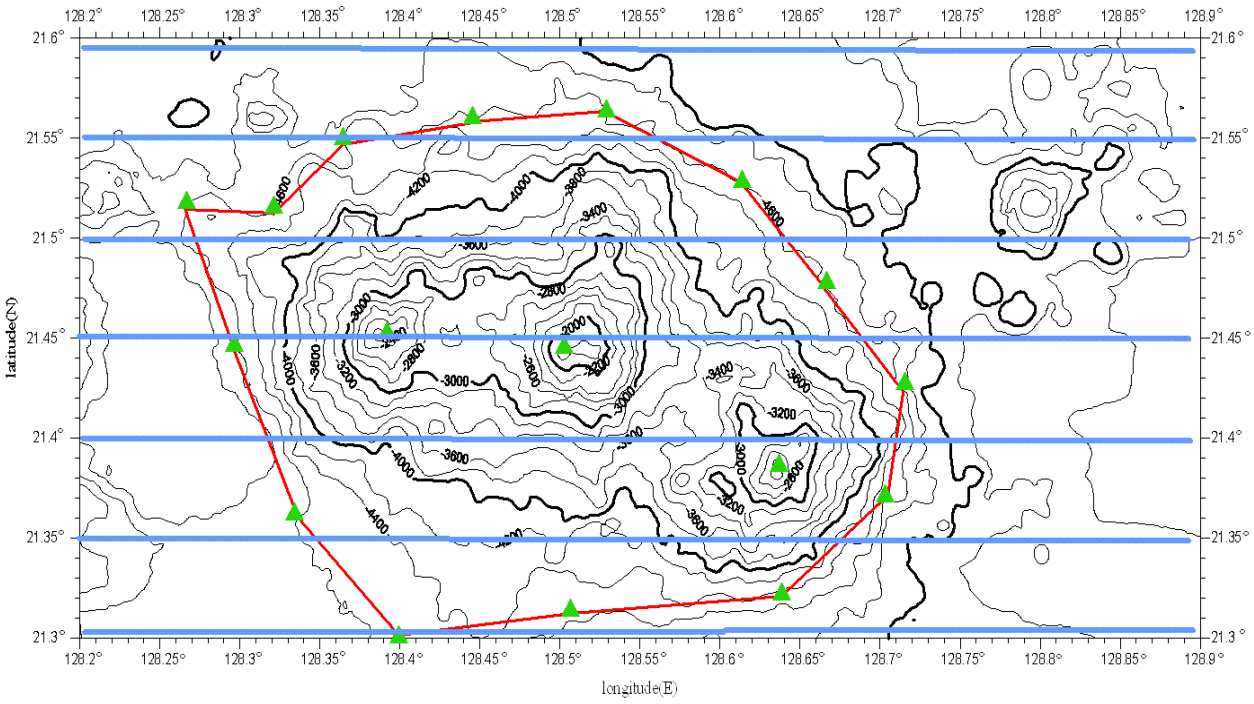


Fig.3. Bathymetric map of Qingyuan Seamounts, showing track lines. Contours are in 200 m

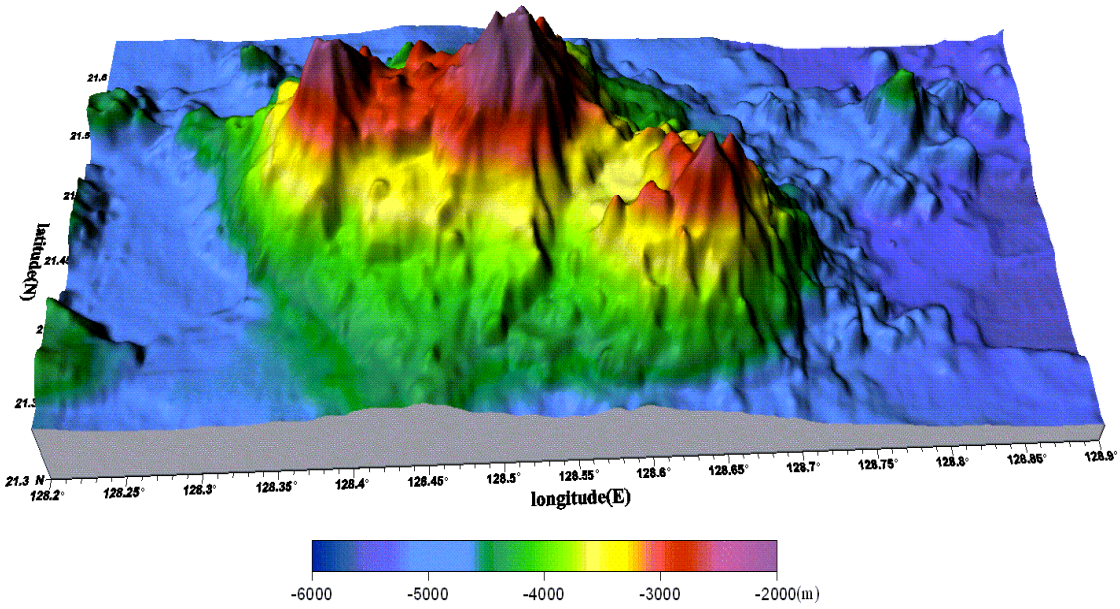


Fig.4.3-D bathymetric map of Qingyuan Seamounts

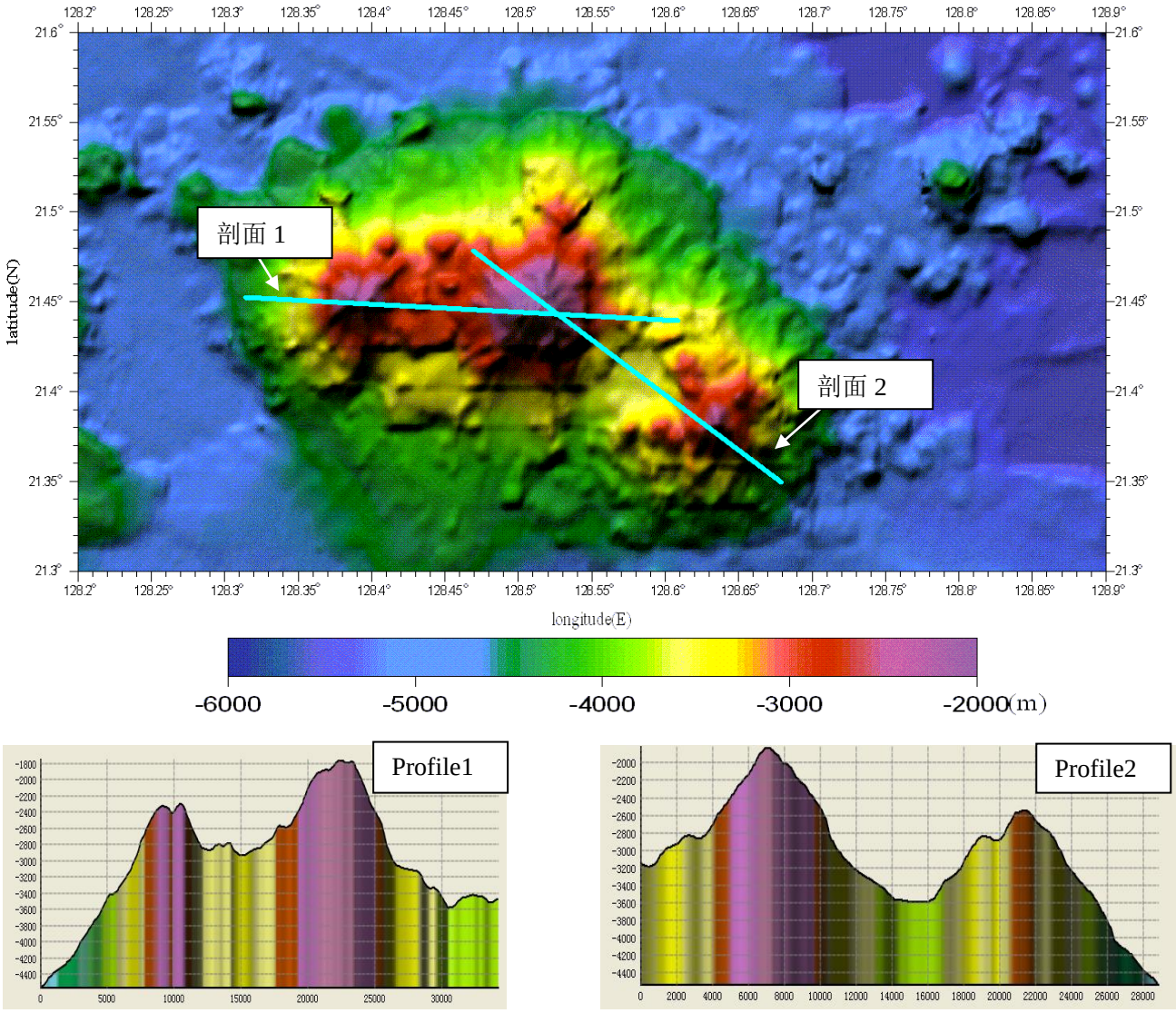


Fig.5 Profiles bathymetric map of Qingyuan Seamounts