

**UNDERSEA FEATURE NAME PROPOSAL**  
(See IHO-IOC Publication B-6 and NOTE overleaf)

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

<b>Name Proposed:</b>	Thomson Seamounts	<b>Ocean or Sea:</b>	N/A
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<b>Geometry that best defines the feature (Yes/No) :</b>						
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)
<b>Coordinates:</b>	20°46.03'N	157°00.10'E
	20°45.11'N	157°02.18'E
	20°43.47'N	157°02.60'E
	20°41.31'N	157°01.70'E
	20°39.15'N	156°58.77'E
	20°38.30'N	156°55.57'E
	20°37.65'N	156°51.47'E
	20°38.63'N	156°50.29'E
	20°39.87'N	156°49.87'E
	20°42.16'N	156°50.43'E
	20°44.78'N	156°52.79'E
20°46.16'N	156°57.10'E	
20°46.03'N	157°00.10'E	

<b>Feature Description:</b>	<b>Maximum Depth:</b>	4,948 m	<b>Steepness :</b>	N/A
	<b>Minimum Depth :</b>	3,056 m	<b>Shape :</b>	Elongated
	<b>Total Relief :</b>	1,892 m	<b>Dimension/Size :</b>	20 km × 15 km

<b>Associated Features:</b>	Maloney Guyot and Arnold Guyot
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<b>Chart/Map References:</b>	<b>Shown Named on Map/Chart:</b>	Japanese chart #6724 (to be revised in July 26, 2019)
	<b>Shown Unnamed on Map/Chart:</b>	
	<b>Within Area of Map/Chart:</b>	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Sir William Thomson (Lord Kelvin) (1824-1907) was a Scots-Irish mathematical physicist and engineer and the inventor of the piano-wire sounding machine first used on the USS <i>Tuscarora</i> in 1874. Until the advent of acoustic sounding instruments, machines based on Thomson's principles of operation were used to sound out and delineate most of the large features of the ocean basins. Thomson made many contributions to a wide-range of scientific fields.
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<b>Discovery Facts:</b>	<b>Discovery Date:</b>	Jan. 2001
	<b>Discoverer (Individual, Ship):</b>	Japanese survey vessel "Takuyo"

<b>Supporting Survey Data, including Track Controls:</b>	<b>Date of Survey:</b>	Jan. 2001
	<b>Survey Ship:</b>	Japanese survey vessel "Takuyo"

	Sounding Equipment:	Multibeam echo sounder Seabeam 2112
	Type of Navigation:	GPS without Selective Availability
	Estimated Horizontal Accuracy, in nautical miles (M):	0.014 nm (26 m)
	Survey Track Spacing:	10 nm
	Supporting material can be submitted as Annex in analog or digital form.	

<b>Proposer(s):</b>	Name(s):	JCUFN
	Date:	June 4, 2019
	E-mail:	ico@jodc.go.jp
	Organization and Address:	Hydrographic and Oceanographic Department, Japan Coast Guard Kasumigaseki 3-1-1, Chiyoda-ku, Tokyo 100-8932, Japan
	Concurrer (name, e-mail, organization and address):	U.S. BGN ACUF; underseafeatures@nga.mil; U.S. Board on Geographic Names Mail Stop: N62 7501 Heller Road Springfield VA 22150-3647 USA

<b>Remarks:</b>	The position of the summit is located in (20°43.60'N, 156°57.78'E).
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**NOTE:** This form should be forwarded, when completed:

- a) **If the undersea feature is located inside the external limit of the territorial sea:**  
- to your "National Authority for Approval of Undersea Feature Names" (see Publication B-6) or, if this does not exist or is not known, either to the IHO or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea:**  
- to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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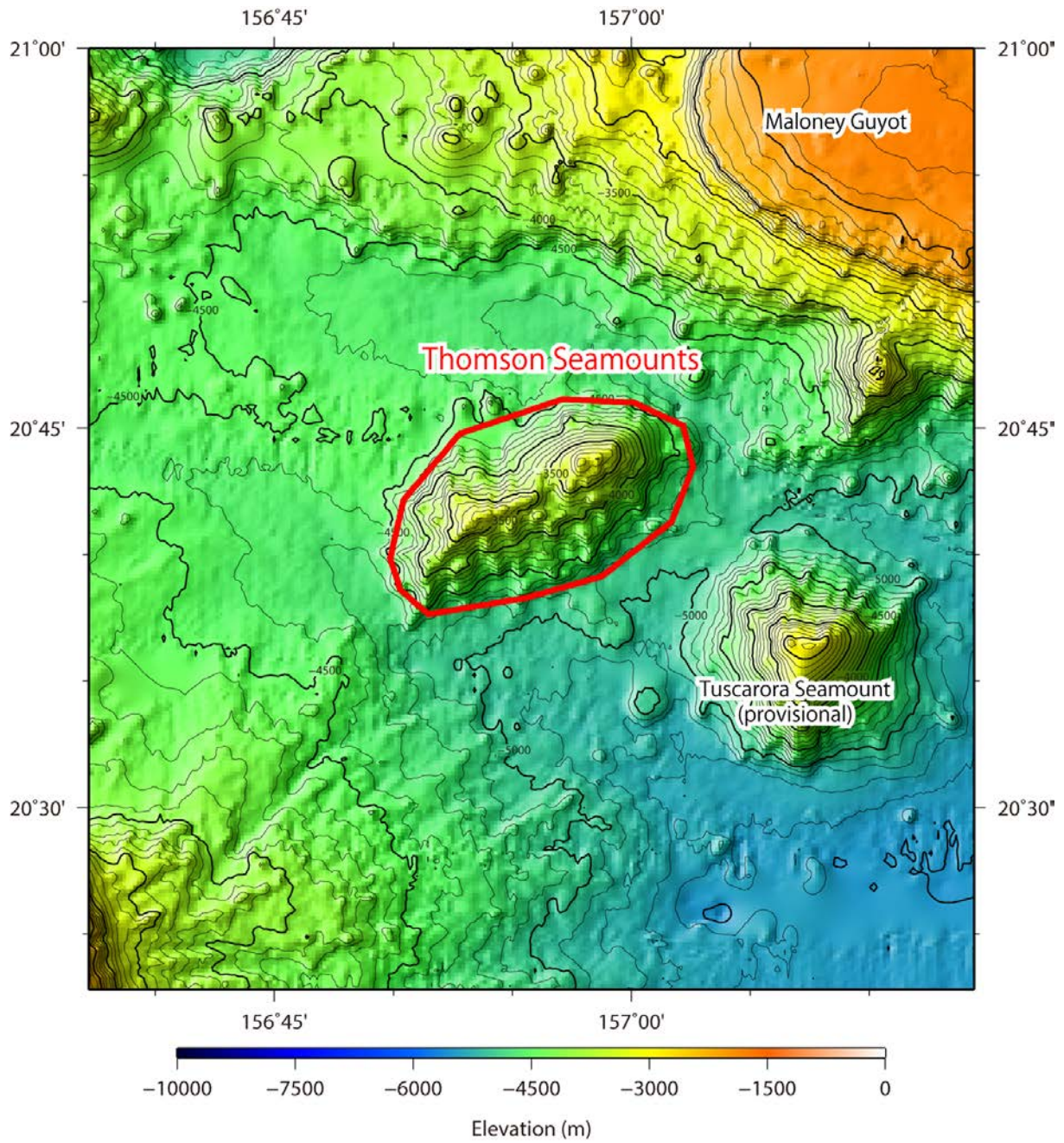


Fig. 1. Bathymetric map of the Thomson Seamounts. Contours are in 100 m.

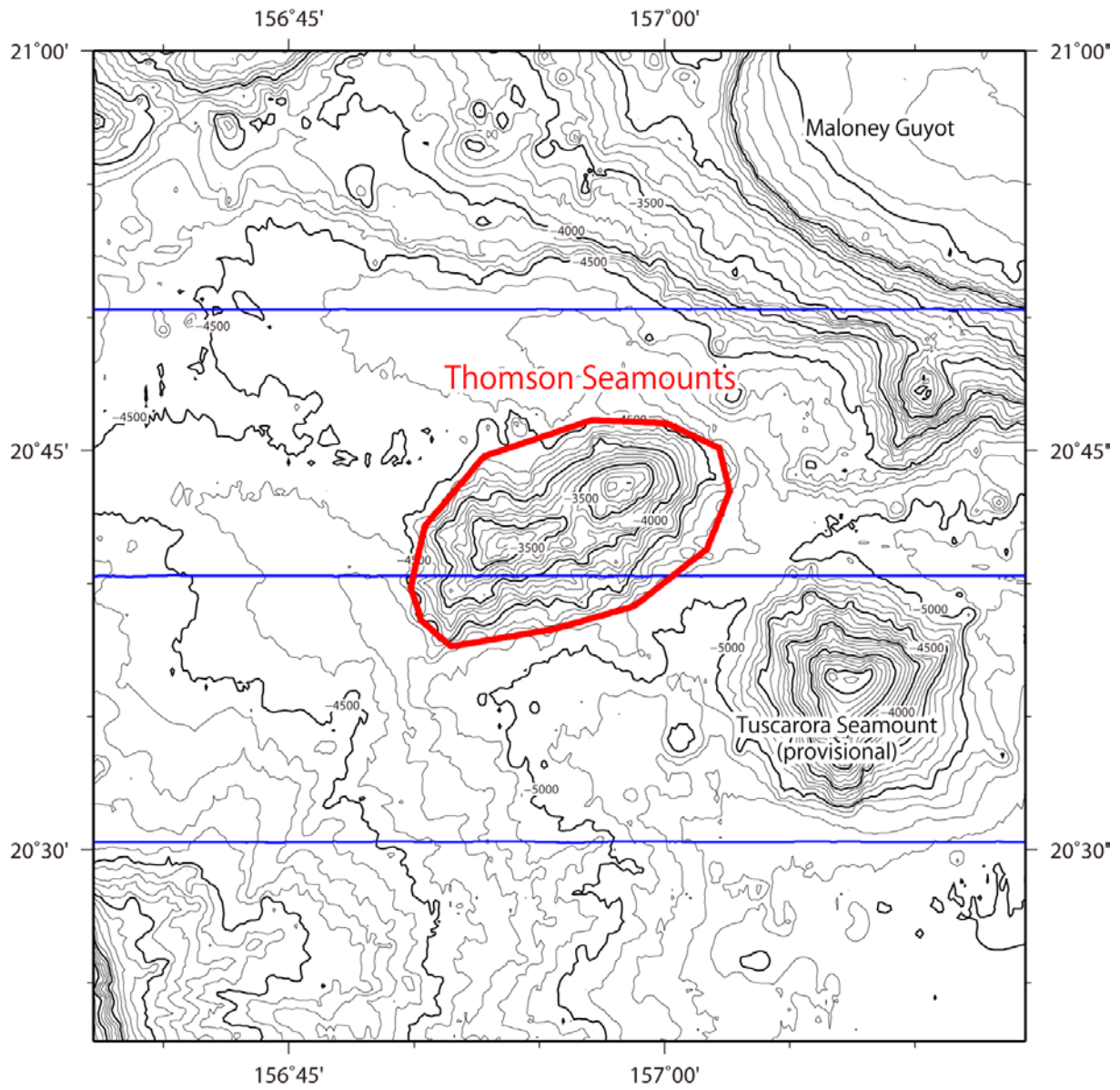


Fig. 2. Bathymetric map of the Thomson Seamounts, shown with track lines. Contours are in 100 m.

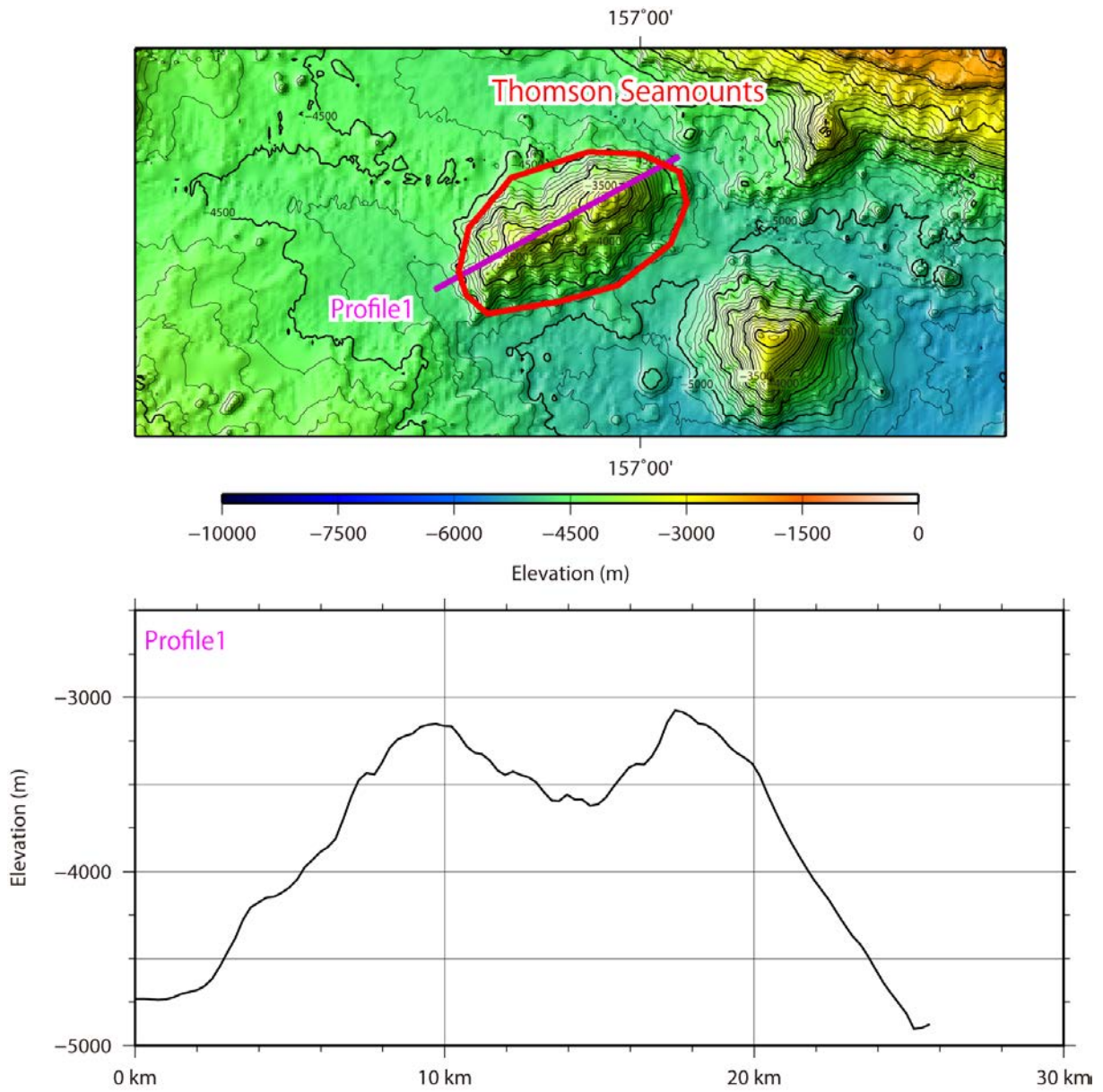


Fig. 3. Bathymetric profile across the Thomson Seamounts.

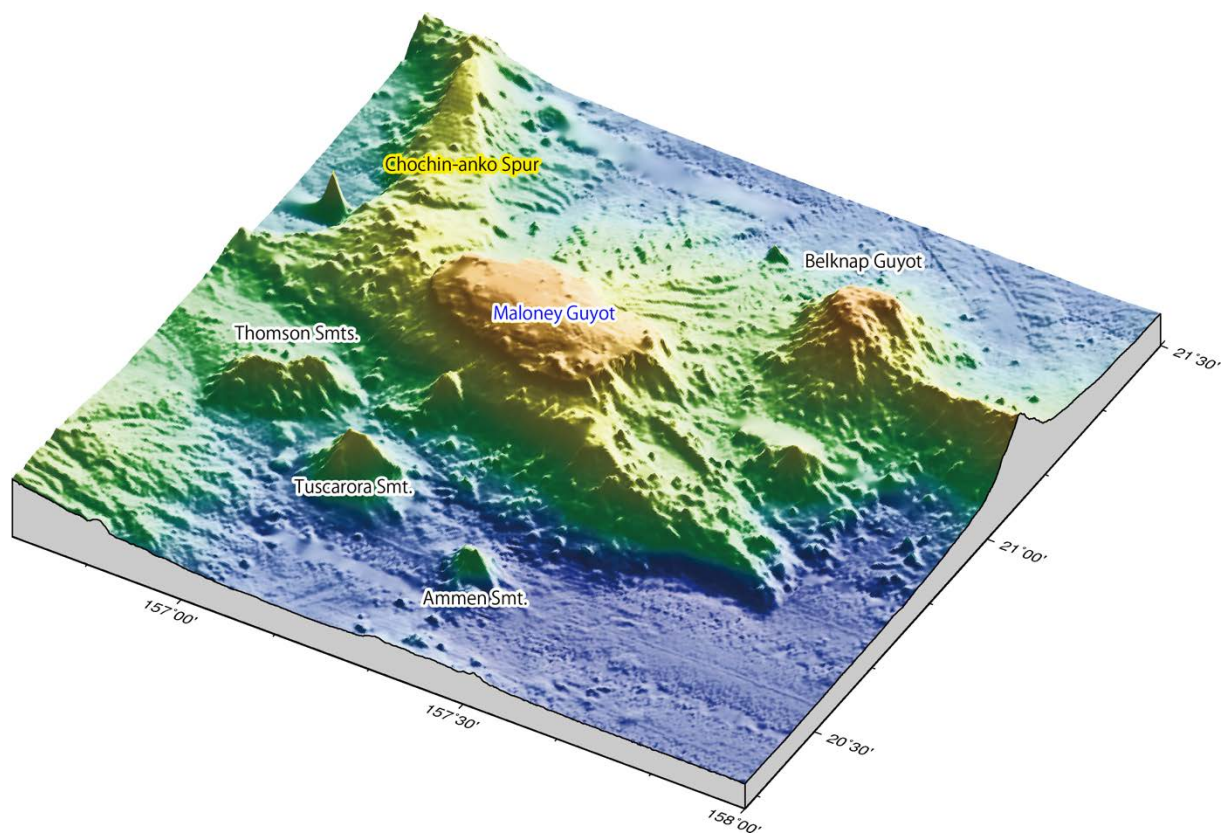


Fig. 4. 3D image of the Thomson Seamounts and its vicinity. Name in yellow is already in GEBCO Gazetteer. Name in blue is in ACUF Gazetteer.