

**UNDERSEA FEATURE NAME PROPOSAL**  
(Sea NOTE overleaf)

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

Name Proposed: **Morelli Ridge** Ocean or Sea: **Central Scotia Sea**

Geometry that best defines the feature (Yes/No) :

Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
	<b>Yes</b>					

\* 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:	-56°31.1' S	-43°18.1' W
	-56°40.1' S	-42°42.4' W
	-56°39.8' S	-42°21.0' W

Feature Description:	Maximum Depth:	<b>4,000 m</b>	Steepness :	<b>&gt; 27°</b>
	Minimum Depth :	<b>1,855 m</b>	Shape :	<b>Elongated ridge in E-W direction</b>
	Total Relief :	<b>2,145 m</b>	Dimension/Size :	<b>63 km x 18 km</b>

Associated Features: **Located in the Polarstern Trough, Wenzel Seamount, Eötvös Escarpment**

Chart/Map References:	Shown Named on Map/Chart:	<b>GDA Vers. 2.2</b>
	Shown Unnamed on Map/Chart:	<b>Not on shown a bathymetric map</b>
	Within Area of Map/Chart:	

**Reason for Choice of Name** (if a person, state how associated with the feature to be named):

The feature to be named after Carlo Morelli (1917 –2007) who was an outstanding Earth Scientist, an enthusiastic supporter of GEBCO and Ocean Mapping. He was born in Trieste on October 10, 1917. He studied in Pisa at the Regia Scuola Normale Superiore where he obtained a degree in Mathematics and in Physics in 1940 and got a University teaching qualification in Earth Physics in 1948. In 1949 he founded in Trieste the Osservatorio Geofisico Sperimentale (OGS) and was its Director until 1963 and its President until 1975. From 1971 to his death he was member of the Editorial Board for the International Bathymetric Chart of the Mediterranean (IBCM) and Vice-Chairman of the Consultation Group for Ocean Mapping (CGOM) of IOC. He led also to the compilation (for the IOC of UNESCO) first of the IBCM 1:1.000.000, published in 10 sheets in 1981, and later on (1985-99) of the Overlay Sheets with the gravity and magnetic anomalies, the seismicity and other geological and geophysical parameters. Carlo Morelli has achieved many scientific goals. The largest part of his experimental research is pertinent to Gravimetry. He proposed and led an endeavor which lasted for 20 years: the global gravity net and its standardization, which was officially adopted by the International Association of Geodesy at the Moscow 1971 General Assembly. This reference system (IGSN 71: International Gravity Standardization Net) represents also nowadays a basic instrument for the international cooperation and is universally adopted. Carlo Morelli is the author of 327 scientific papers (215 of which as the only author), mostly in international journals. He passed away on 30 December 2007.

<b>Discovery Facts:</b>	Discovery Date: Discoverer (Individual, Ship):	April 2005 Dr. Hans Werner Schenke, Polarstern Expedition ANT XXII/4
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<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey: Survey Ship: Sounding Equipment: Type of Navigation: Estimated Horizontal Accuracy (nm): Survey Track Spacing: Supporting material can be submitted as Annex in analog or digital form.	April 2005 RV Polarstern Multibeam, Hydrosweep DS-2 D-GPS < 10 m 5.5 km
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<b>Proposer(s):</b>	Name(s): Date: E-mail: Organization and Address:  Concurrer (name, e-mail, organization and address):	Dr. Hans Werner Schenke August 2010 Hans-Werner.Schenke@awi.de Alfred Wegener Institute for Polar and Marine Research, Bremerhaven
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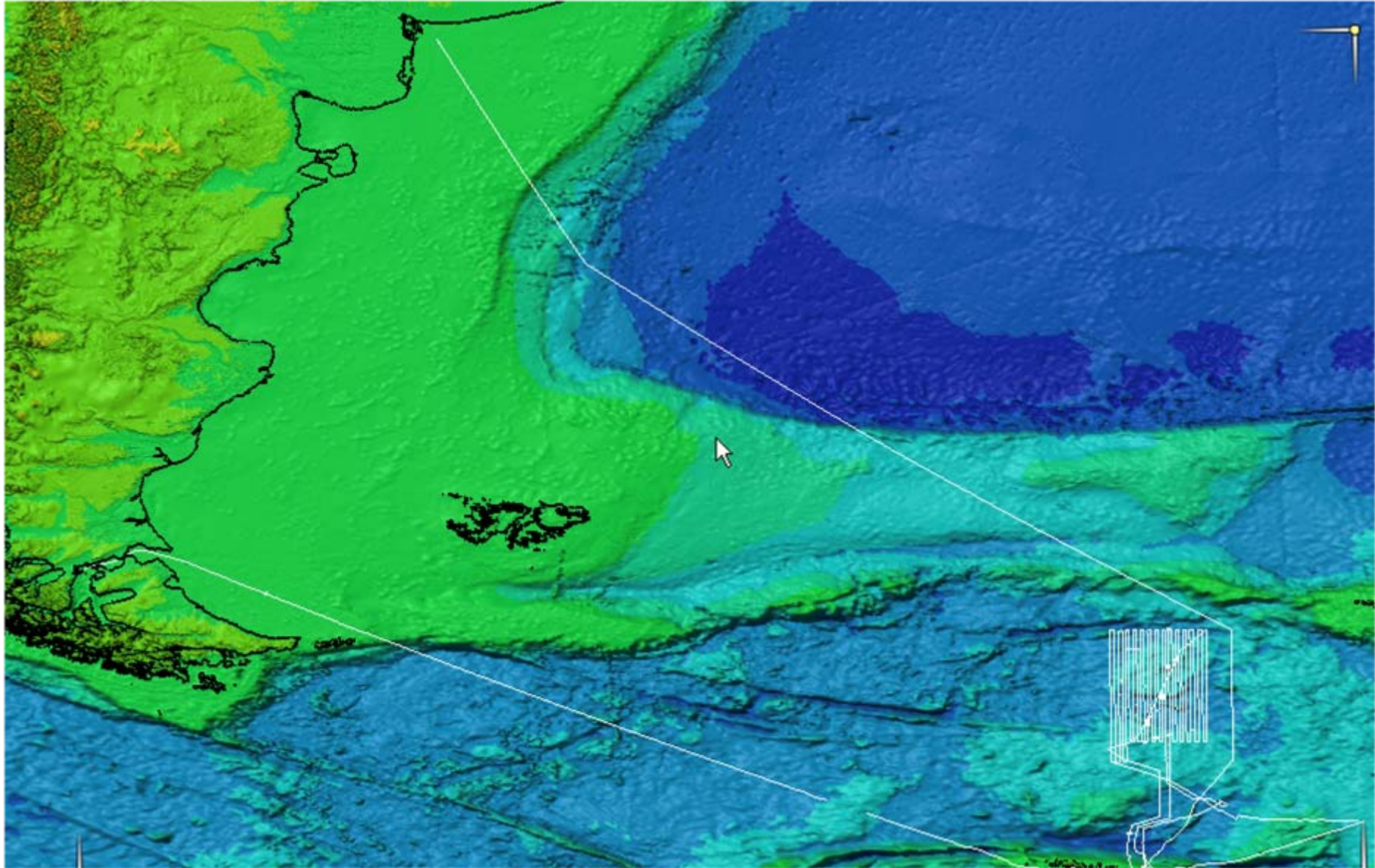
<b>Remarks:</b>
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NOTE : This form should be forwarded, when completed :

- 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 page 2-9) or, if this does not exist or is not known, either to the IHB 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 IHB or to the IOC, at the following addresses :

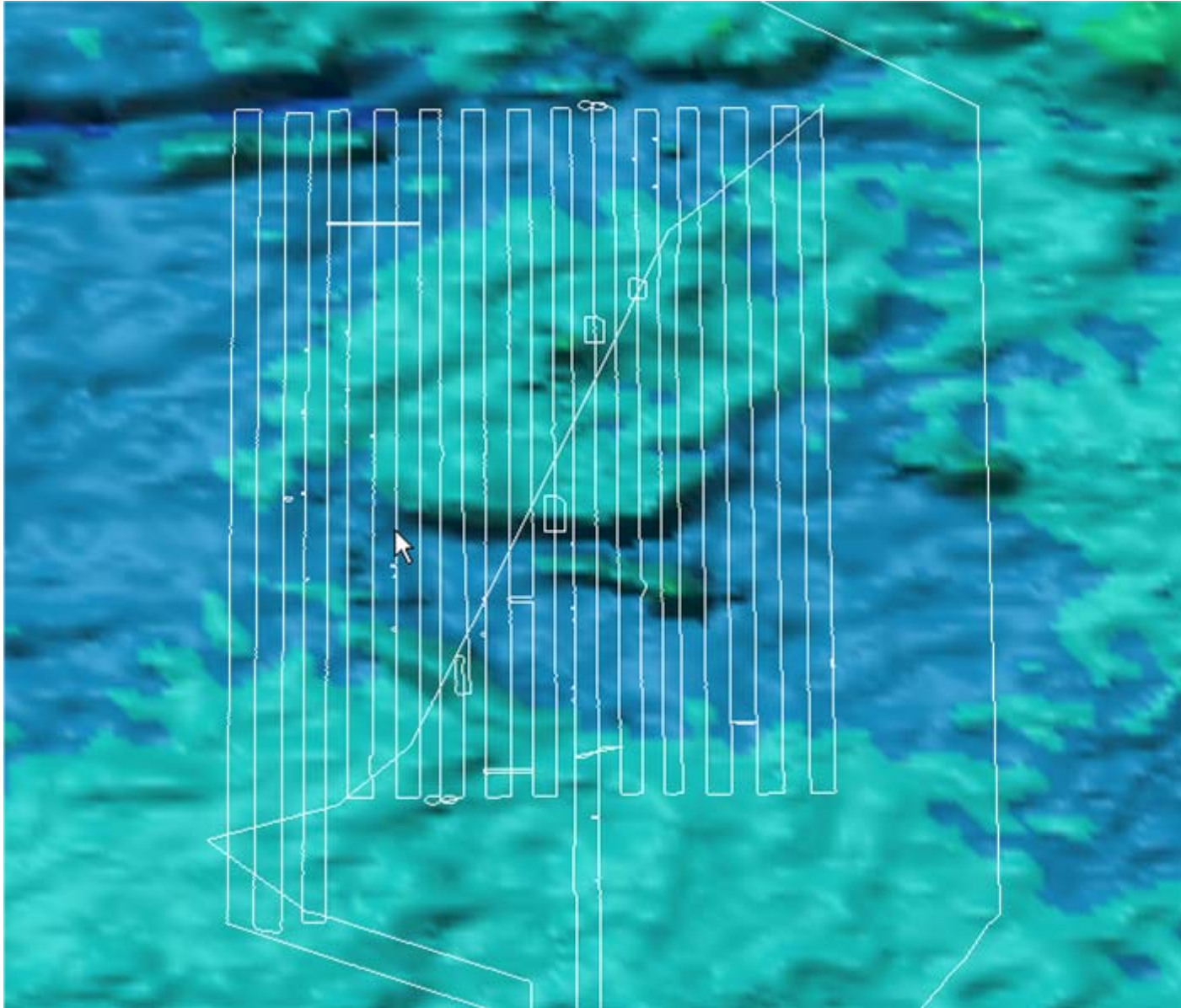
International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@ihb.mc">info@ihb.mc</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a>
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# Morelli Ridge

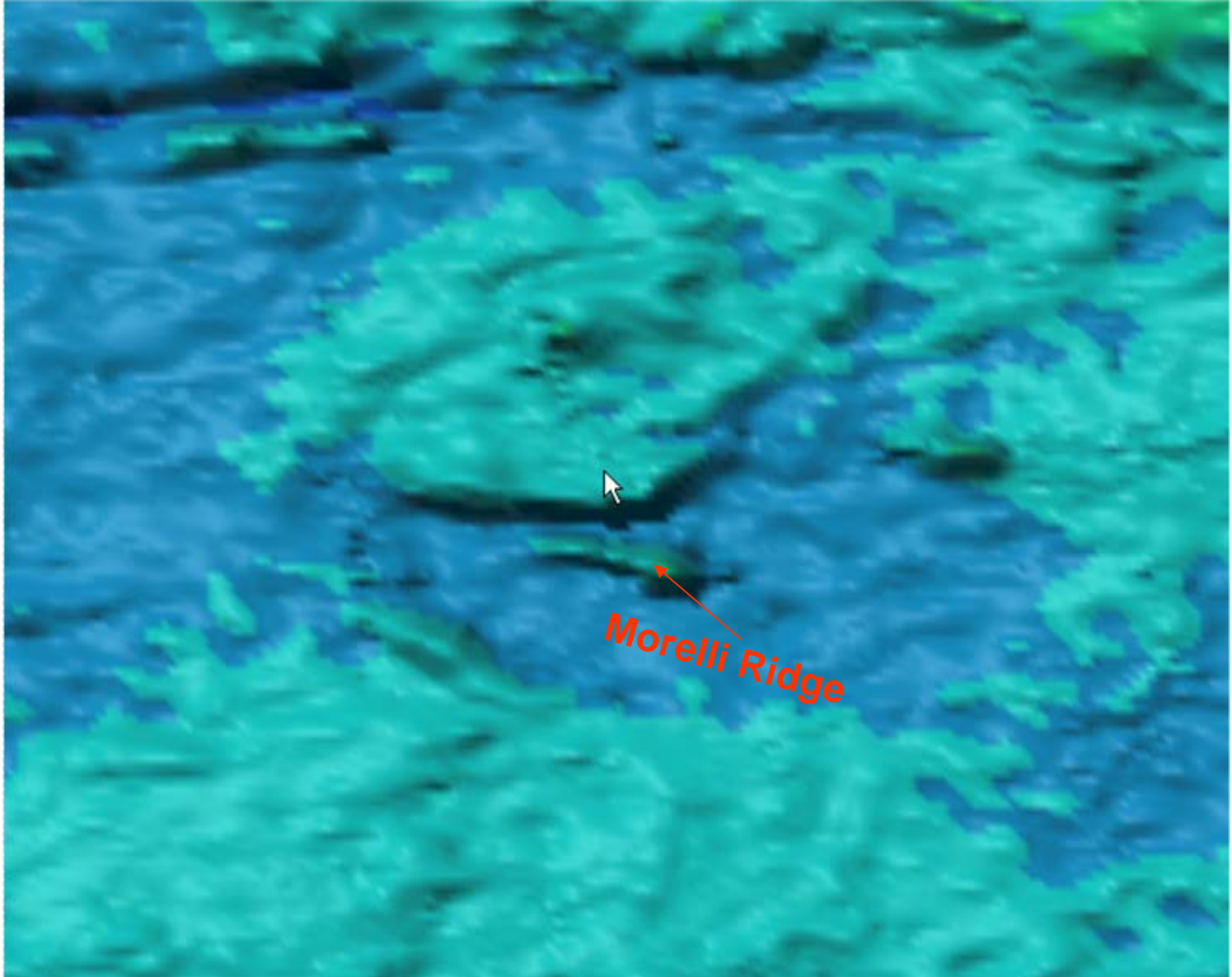




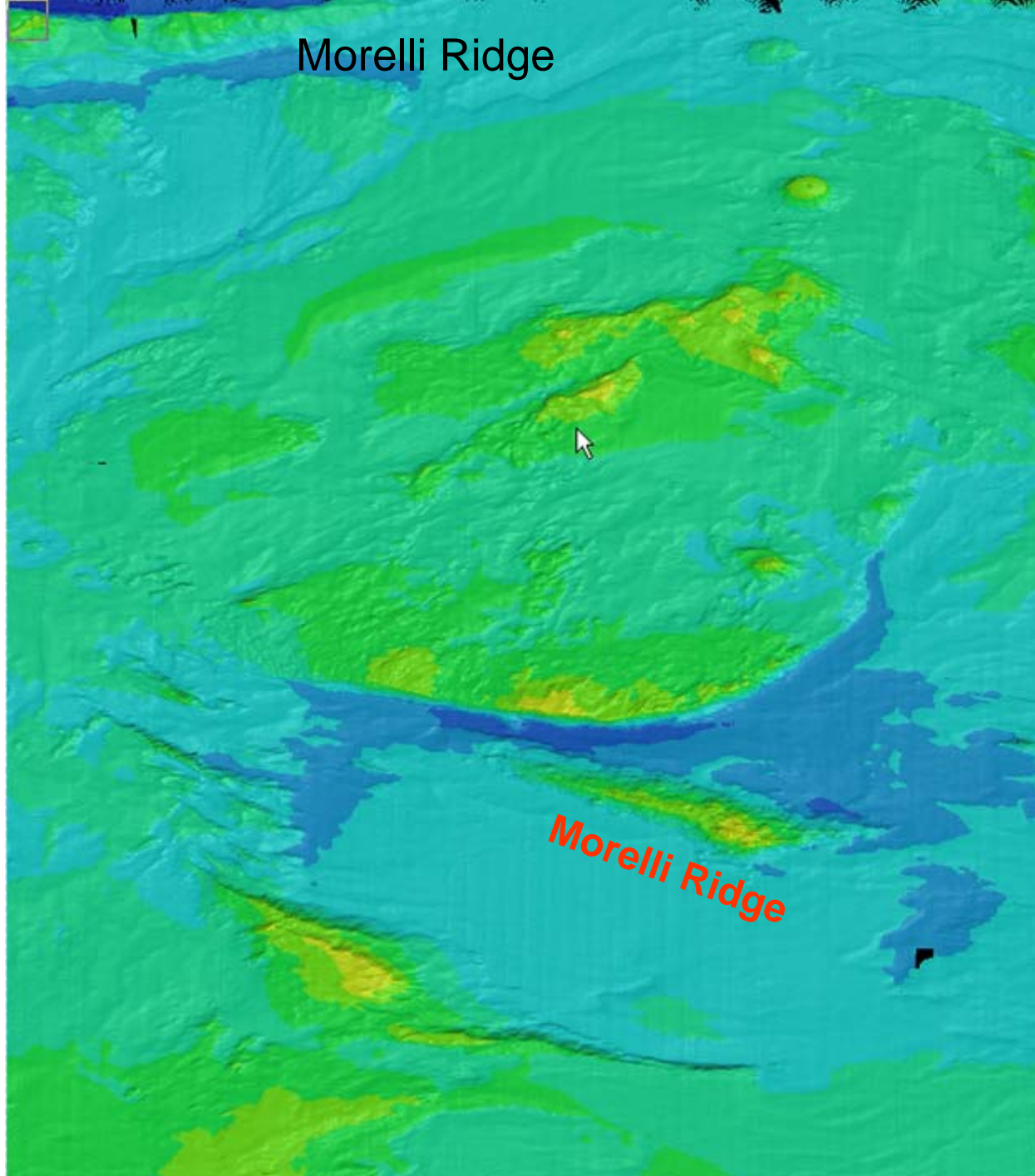
# Morelli Ridge



# Morelli Ridge



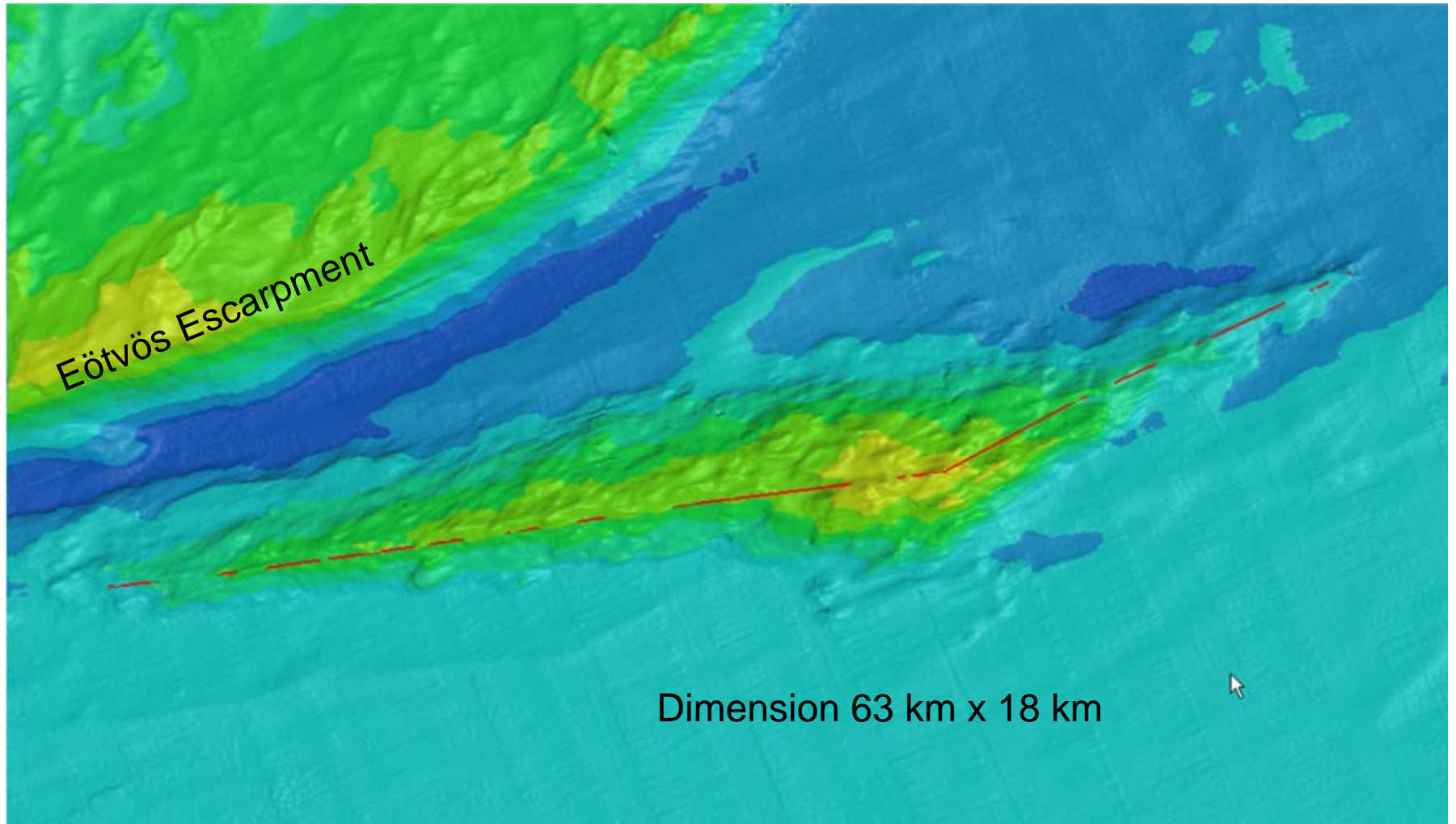
Morelli Ridge



Morelli Ridge



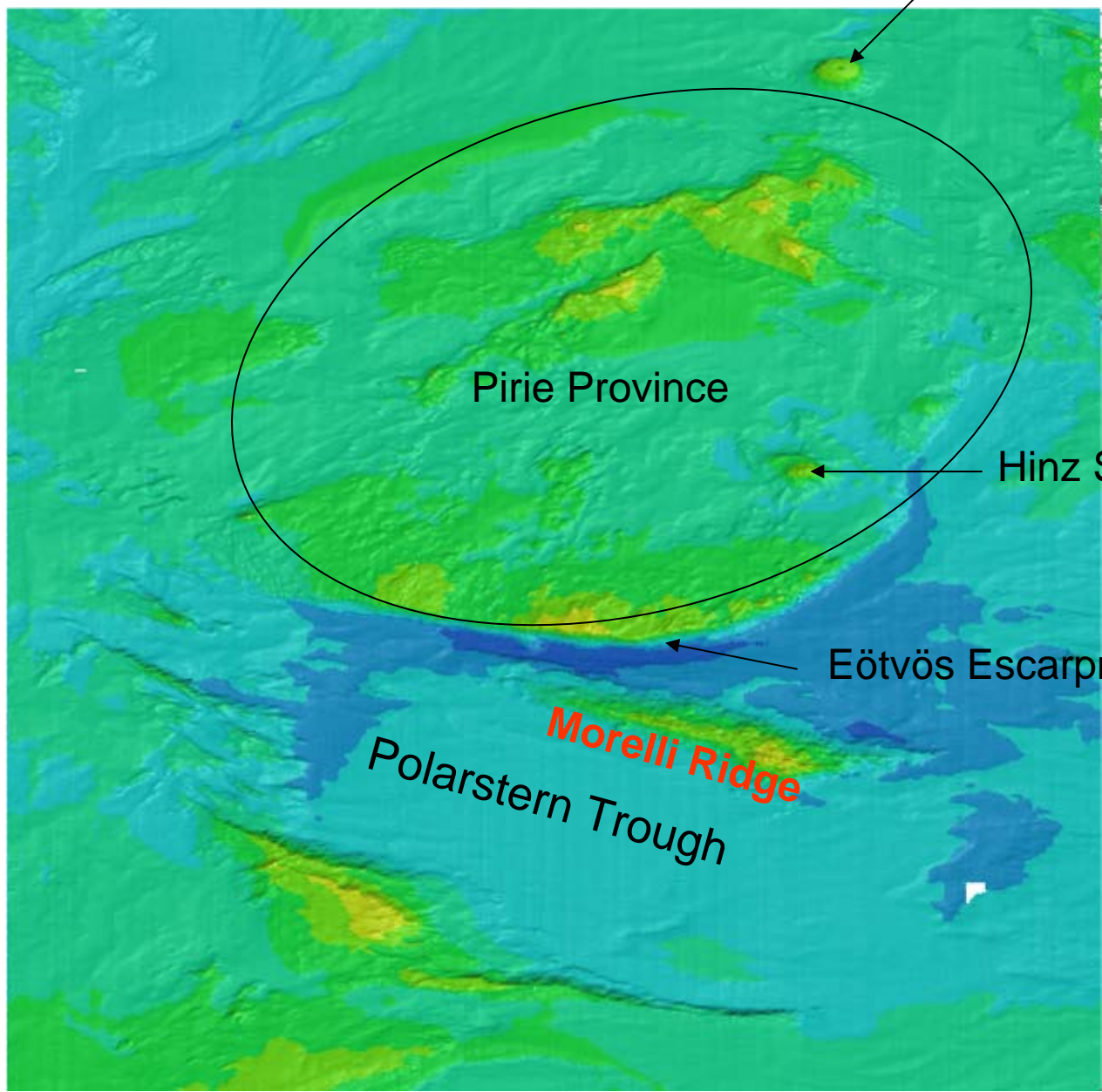
# Morelli Ridge



New name proposal: Morelli Ridge:

Kurentsova Seamount

New names  
in red color



Pirie Province

Hinz Seamount

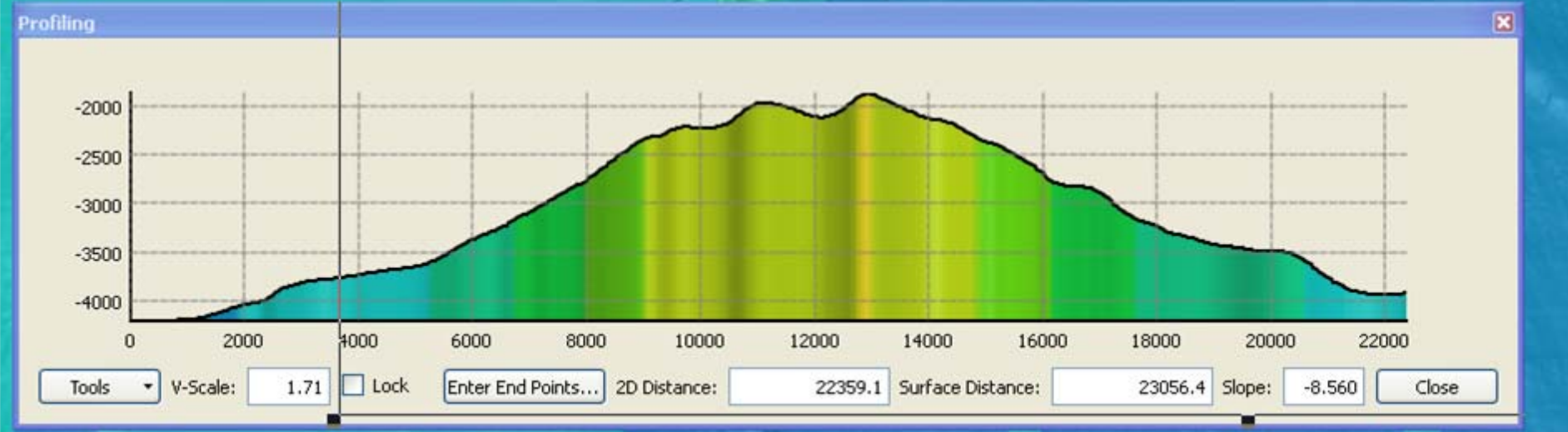
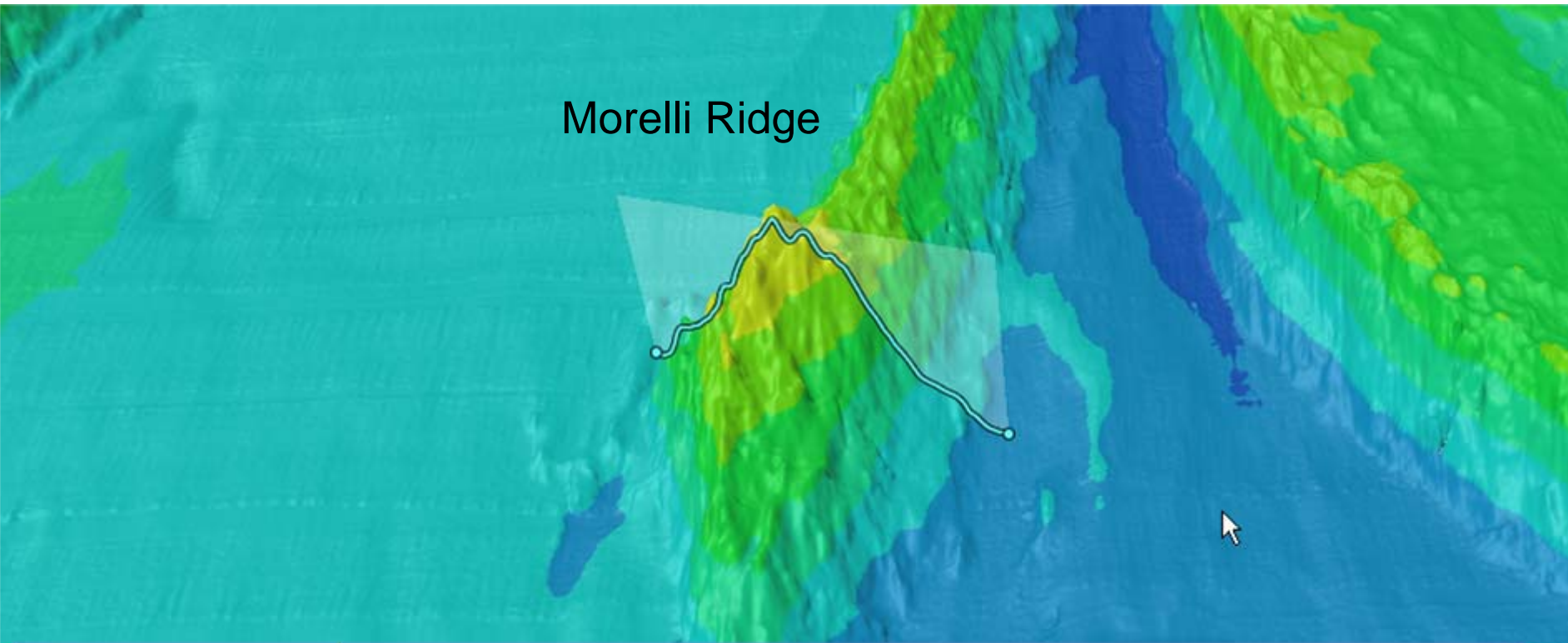
Eötvös Escarpment

**Morelli Ridge**

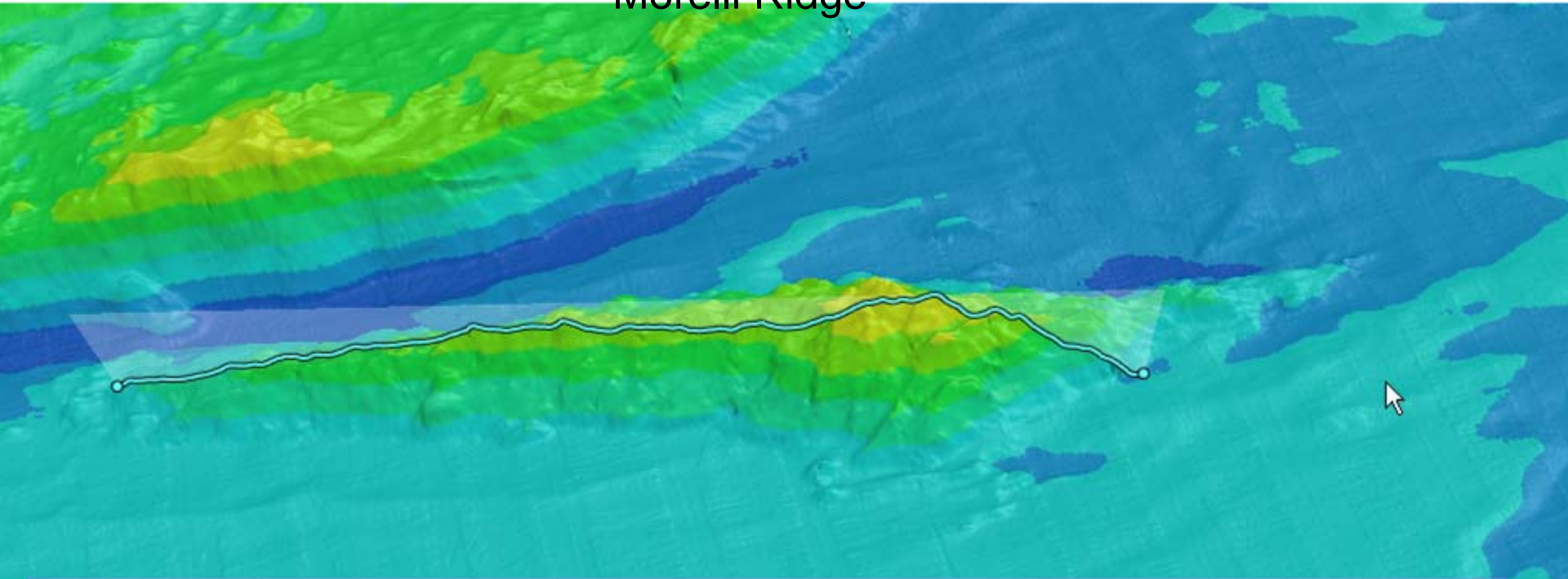
Polarstern Trough



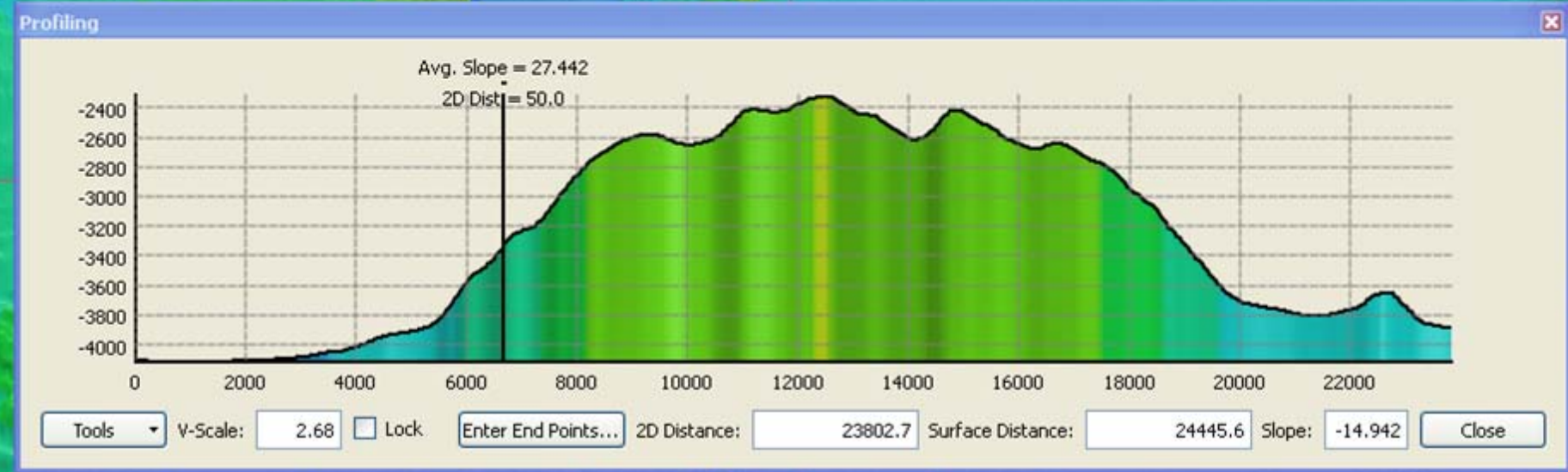
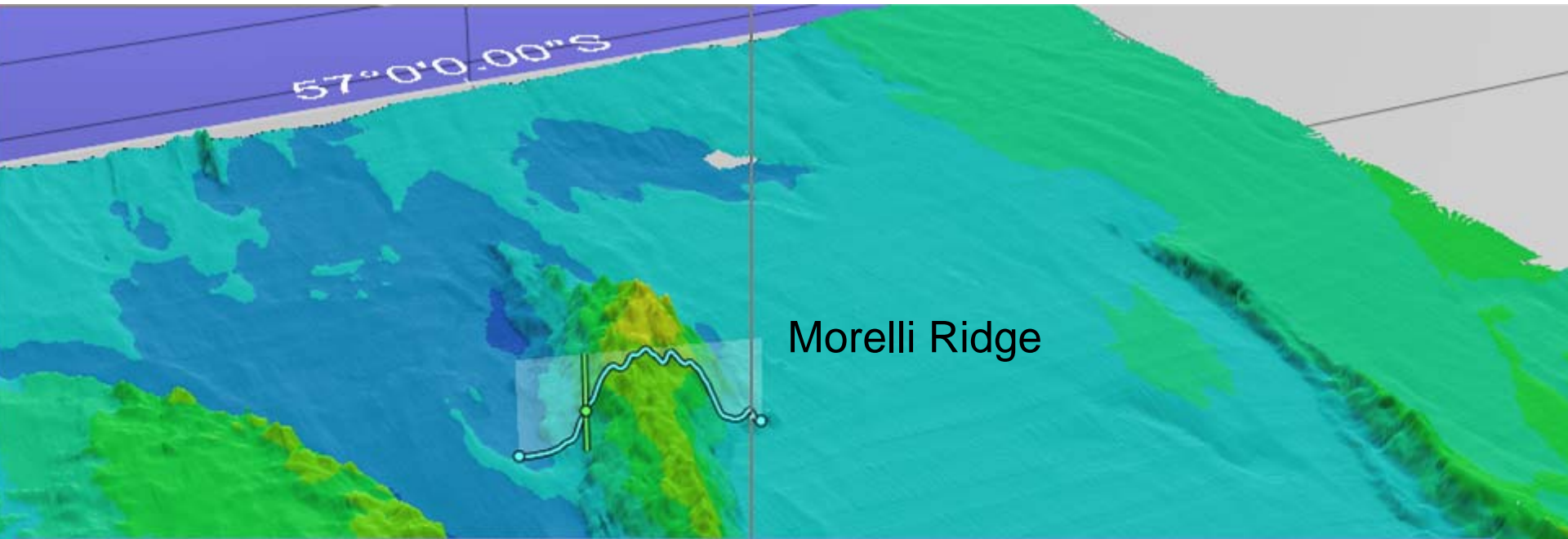
# Morelli Ridge



# Morelli Ridge







Steepest slope





