

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

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

Name Proposed: **Kurentsova Seamount** **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*
yes						

* Geometry should be clearly distinguished when providing the coordinates below.

Coordinates:

Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
55°06.2' N	42°35.4' W

Feature Description:

Maximum Depth:	3,550 m	Steepness :	Max 31°
Minimum Depth :	2,330 m	Shape :	Nearly circular volcano with 200 m deep crater
Total Relief :	1,220 m	Dimension/Size :	12 km x 12 km

Associated Features: **Part of Pirie Province, 350 km WSW of South Georgia**

Chart/Map References:

Shown Named on Map/Chart:	
Shown Unnamed on Map/Chart:	
Within Area of Map/Chart:	GEBCO 5.16, GDA CE Version 2.3

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

Natasha Kurentsova, former Senior scientist at the Vernadsky Institute of Geochemistry and Analytical Chemistry (GEOCHI) was born on 22.07.1938 in Vladivostok. She obtained geological education at the Far Eastern Polytechnic Institute, Vladivostok, and finished her academic training in 1960. She worked later at the Pacific division of the Shirshov Institute of Oceanology (since 1968, the Pacific Oceanology Institute), in Vladivostok, and participated in a number of seagoing expeditions as marine geologist. 1964-1965 Natasha attended the 36th cruise of "Vityaz" as petrologist, and contributed to the first discovery of the upper mantle rocks outcrops, dredged in the rift zone of the Karlsberg Ridge (NW-branch of the Mid-Ocean Ridge system in the Indian Ocean). She actively collaborated in studies of the mid-oceanic ridges of the Atlantic, Indian Ocean and Pacific. 1971 she moved to the laboratory of Geomorphology and Tectonics at the Shirshov Institute of Oceanology, Moscow. She joined the 49th cruise of "Vityaz" in the West Pacific, led the dredging program in the newly discovered Vityaz Trench (north of the North Fiji Basin) and made first discoveries of upper mantle rocks outcrops. From 1992 until her decease in Moscow on 25.01.2010, Natasha Kurentsova worked in the laboratory for Geomorphology and Tectonics of the Ocean Floor at GEOCHI. She attended the 21st and 29th cruises of r/v "Akademik Boris Petrov" and on several Antarctic expeditions of the German RV "Polarstern" in the Atlantic and Pacific Sectors of the Southern Ocean where she collected rock samples from 300 sites, followed by intensive petrological and geochemical analyses at the GEOCHI. Based on the results she published series of articles in scientific

magazines of the Russian Academy of Sciences. The total number of publications about the petrology of the Ocean Floor prepared by N. Kurentsova, is above 200. Natasha Kurentsova moved from us unexpectedly, due to heart attack. She was an outstanding scientist, her contributions to study the origin and development of the Scotia Sea, Drake Passage and Mary Bird Seamounts deserves the special designation and commemoration by naming this specific seamount in the Central Scotia Sea after her.

Discovery Facts: Discovery Date: April 2005
Discoverer (Individual, Ship): Dr. Hans Werner Schenke, Polarstern Expedition ANT XXII/4

Supporting Survey Data, including Track Controls: Date of Survey: April 2005
Survey Ship: RV Polarstern
Sounding Equipment: Multibeam, Hydrosweep DS-2
Type of Navigation: D-GPS
Estimated Horizontal Accuracy (nm): < 10 m
Survey Track Spacing: 5.5 km
Supporting material can be submitted as Annex in analog or digital form.

Proposer(s): Name(s): Dr. Hans Werner Schenke
Date: August 2010
E-mail: Hans-Werner.Schenke@awi.de
Organization and Address: Alfred Wegener Institute for Polar and Marine Research, Bremerhaven
Concurrer (name, e-mail, organization and address):

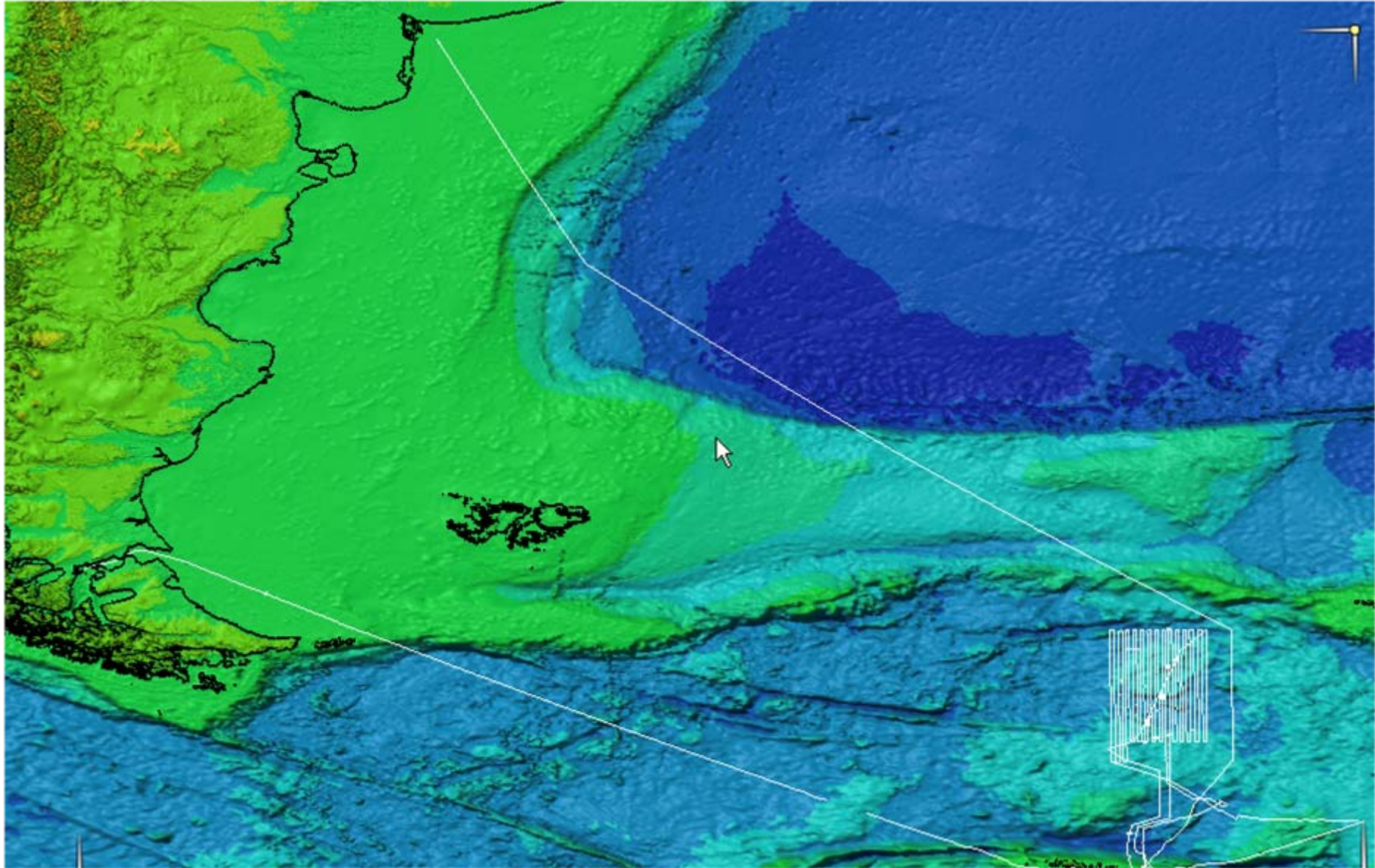
Remarks: This proposal replaces the proposal Seeber Seamount, Proposer H. Hinze SCUFN-19, 2006, cf. the Gazetteer Reserve Section

NOTE : This form should be forwarded, when completed :

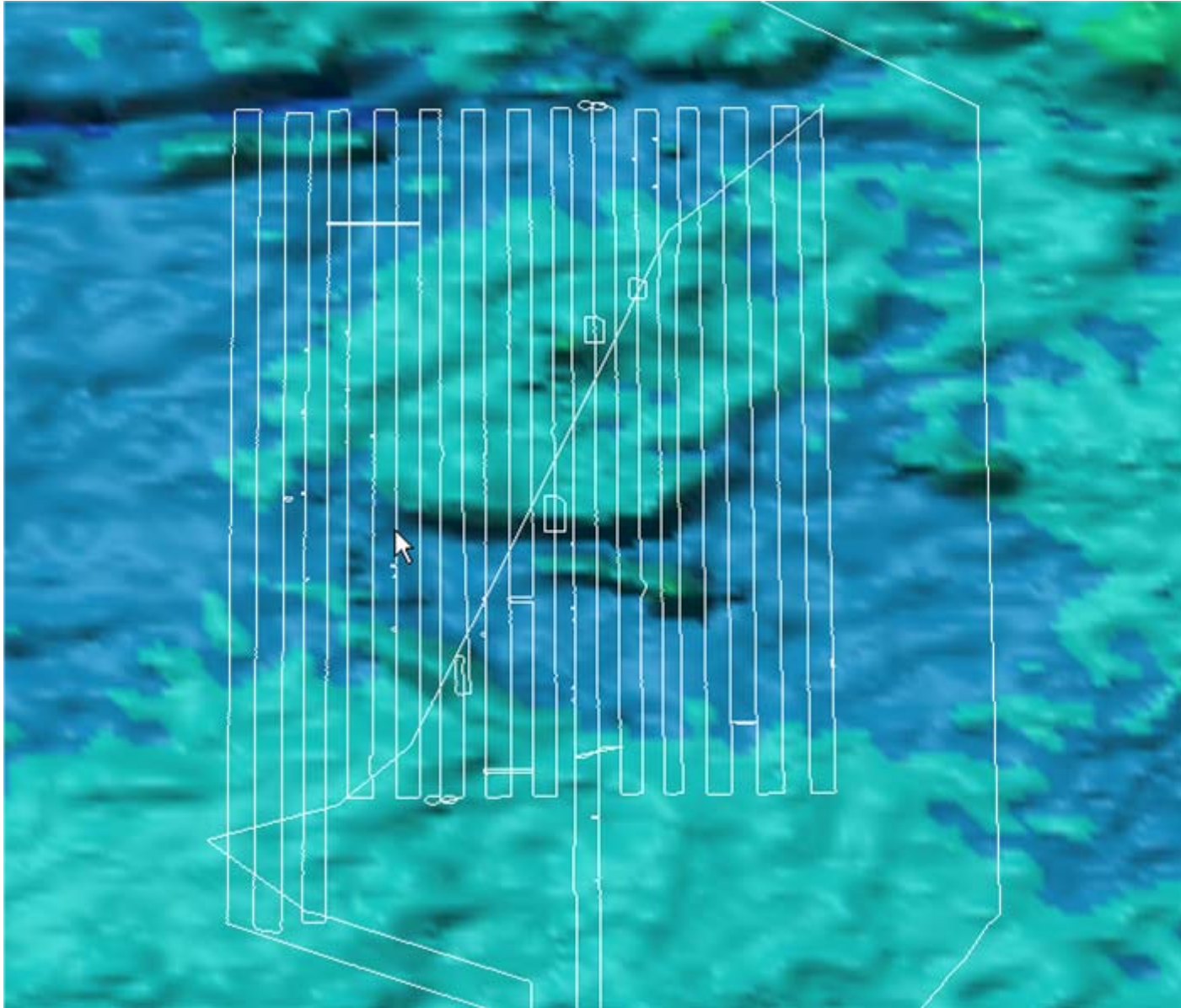
- a) If the undersea feature is located inside the external limit of the territorial sea :-
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) If at least 50 % of the 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: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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Kurentsova Seamount



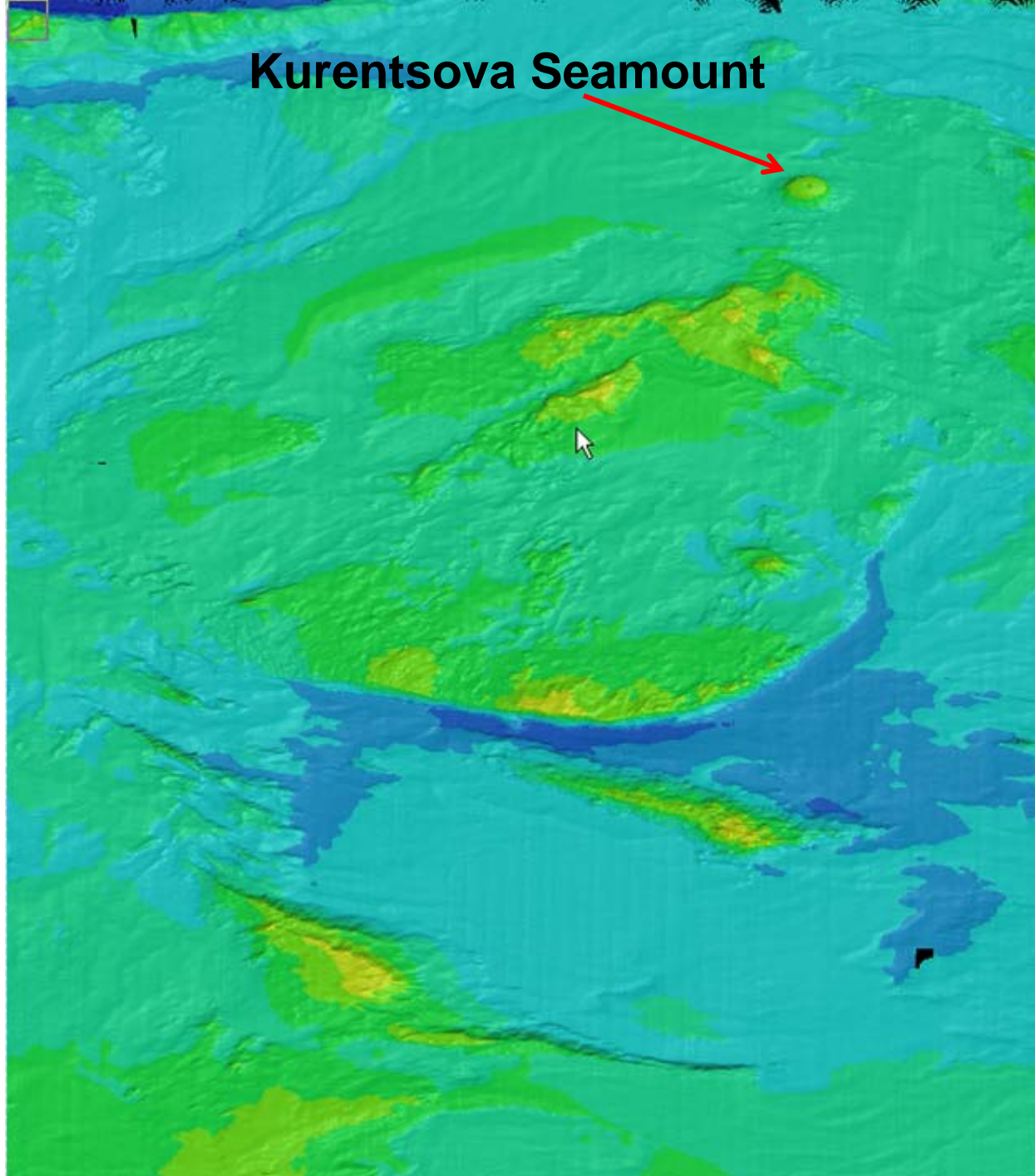
Kurentsova Seamount



Kurentsova Seamount



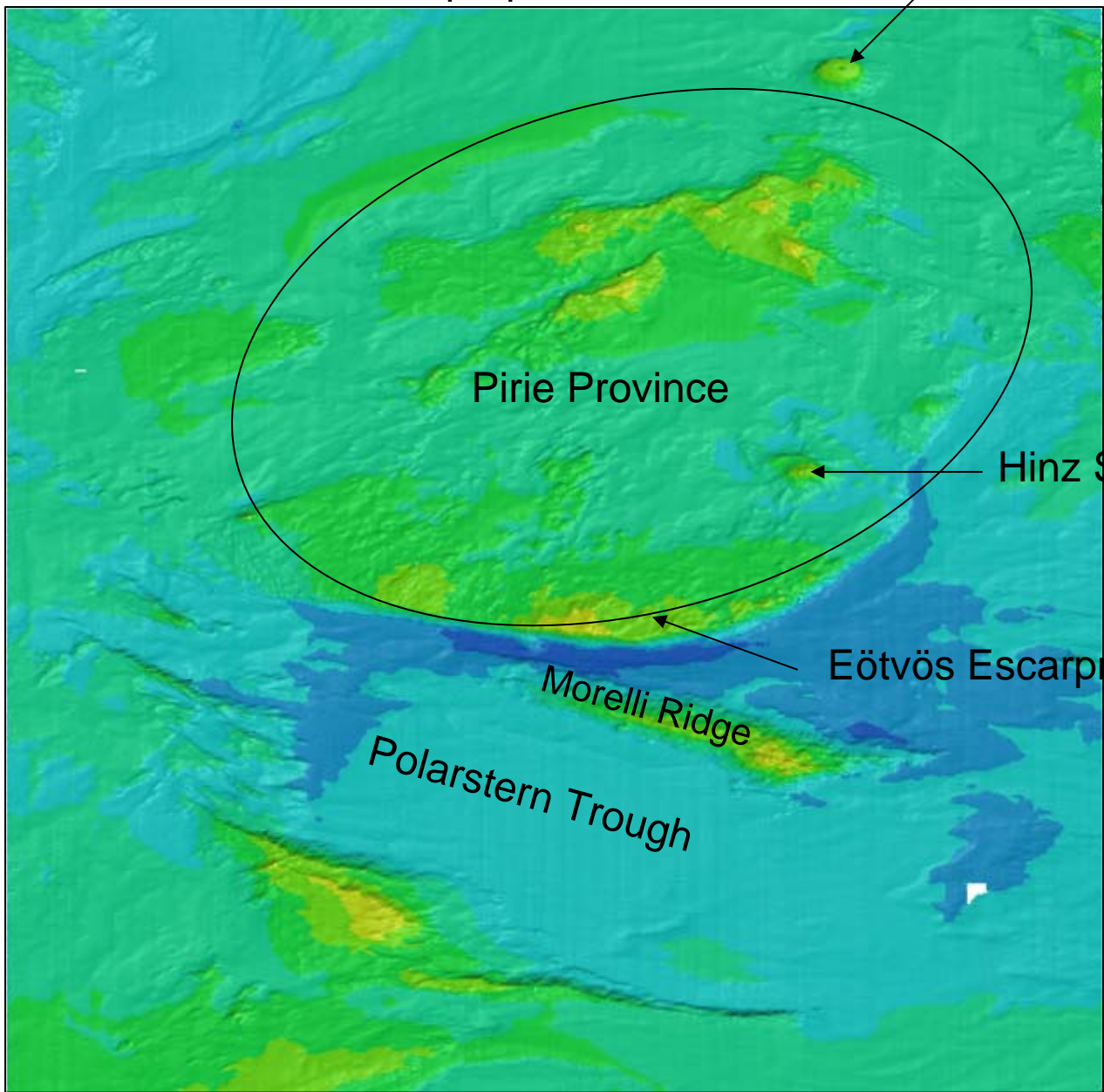
Kurentsova Seamount



New name proposal:

Kurentsova Seamount

New names
in red color



Pirie Province

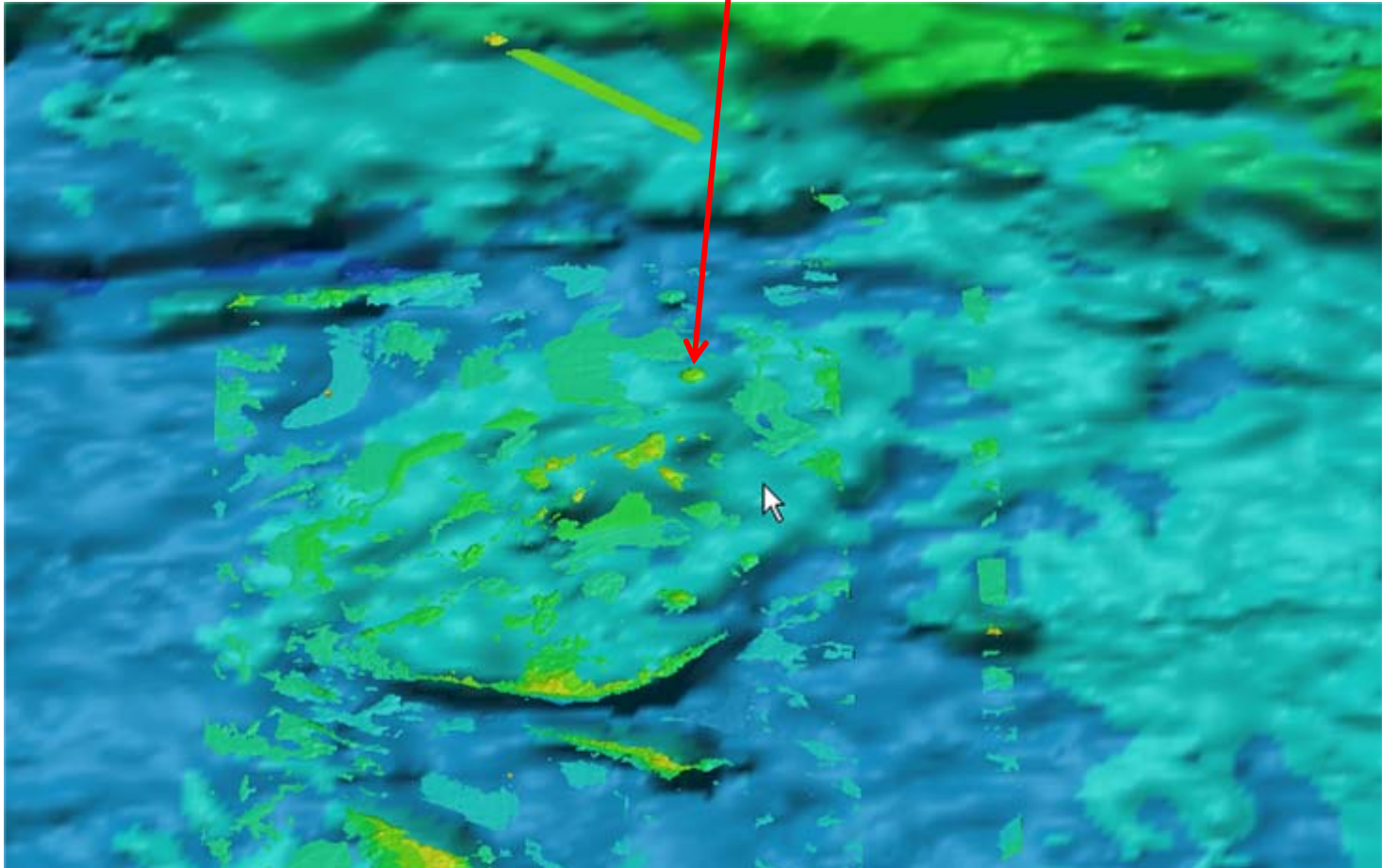
Hinze Seamount

Eötvös Escarpment

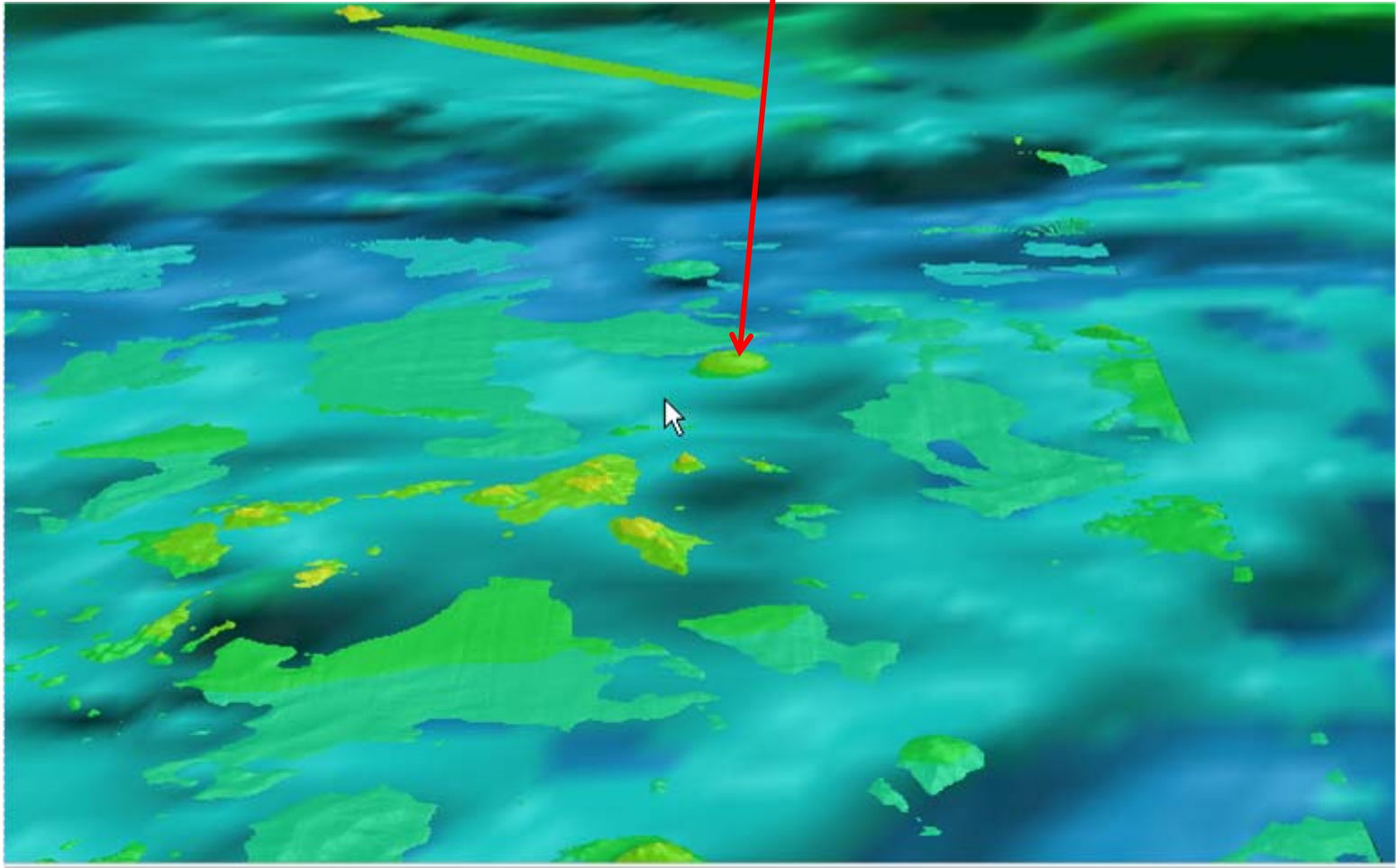
Morelli Ridge

Polarstern Trough

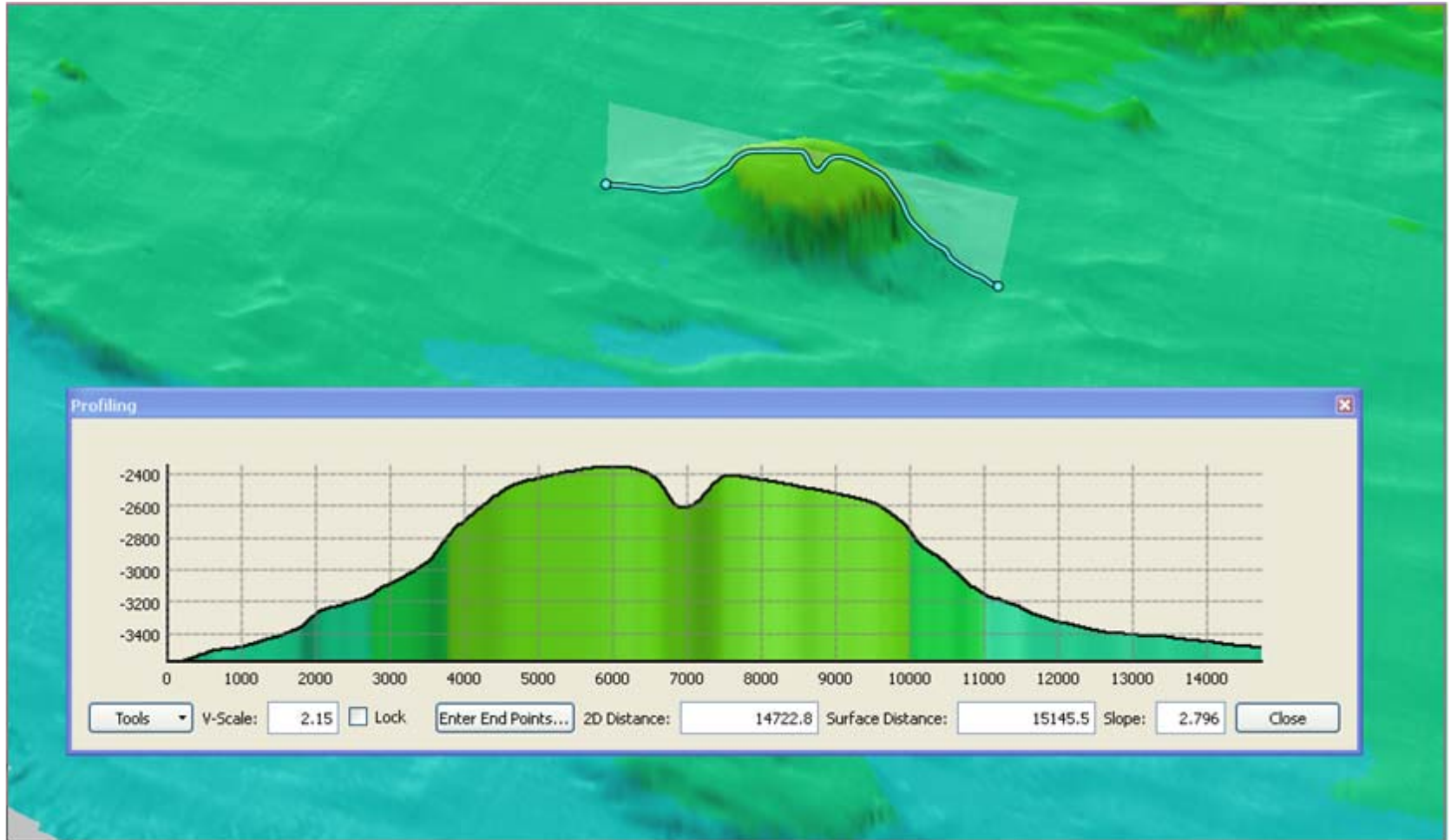
Kurentsova Seamount



Kurentsova Seamount

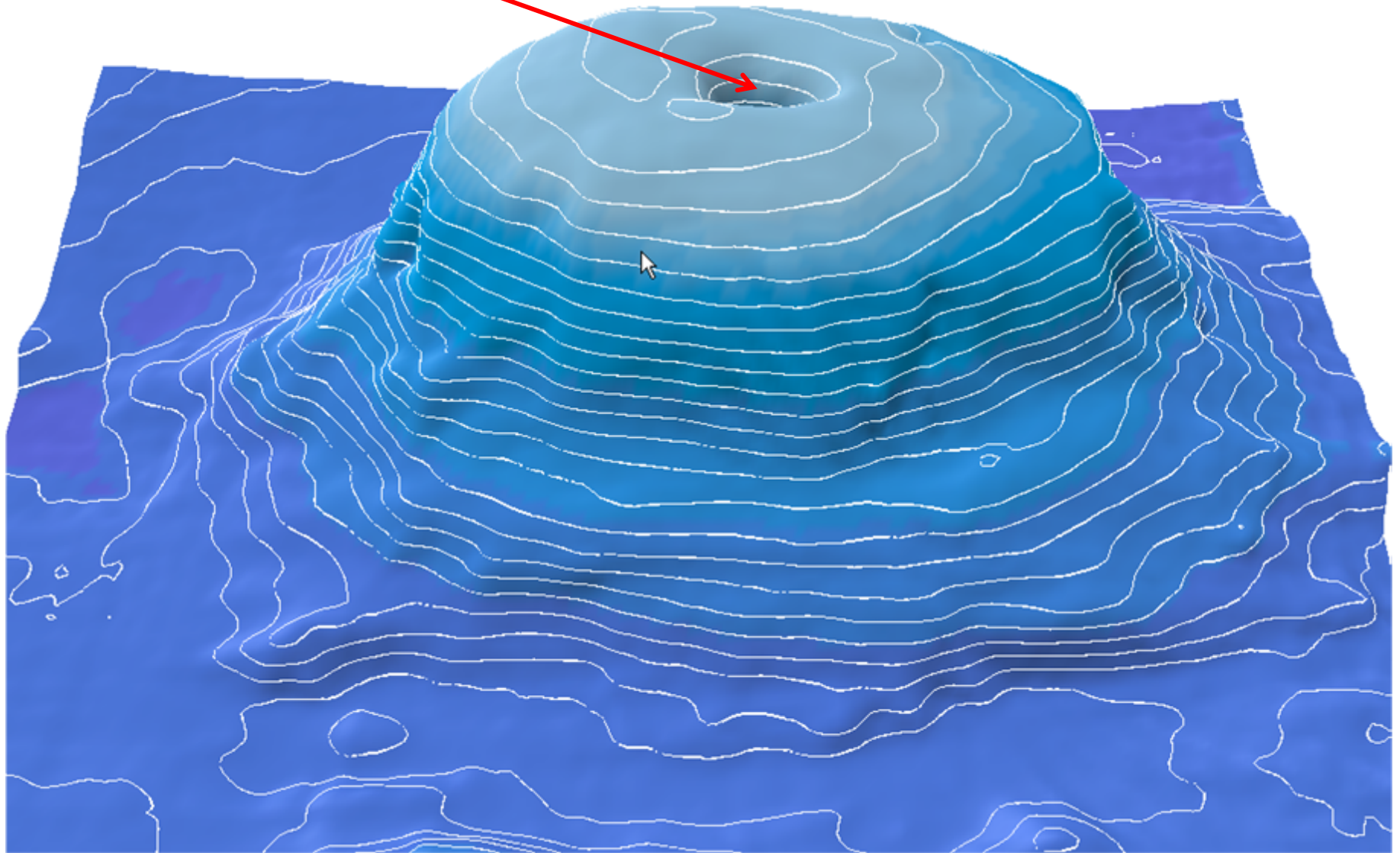


Kurentsova Seamount



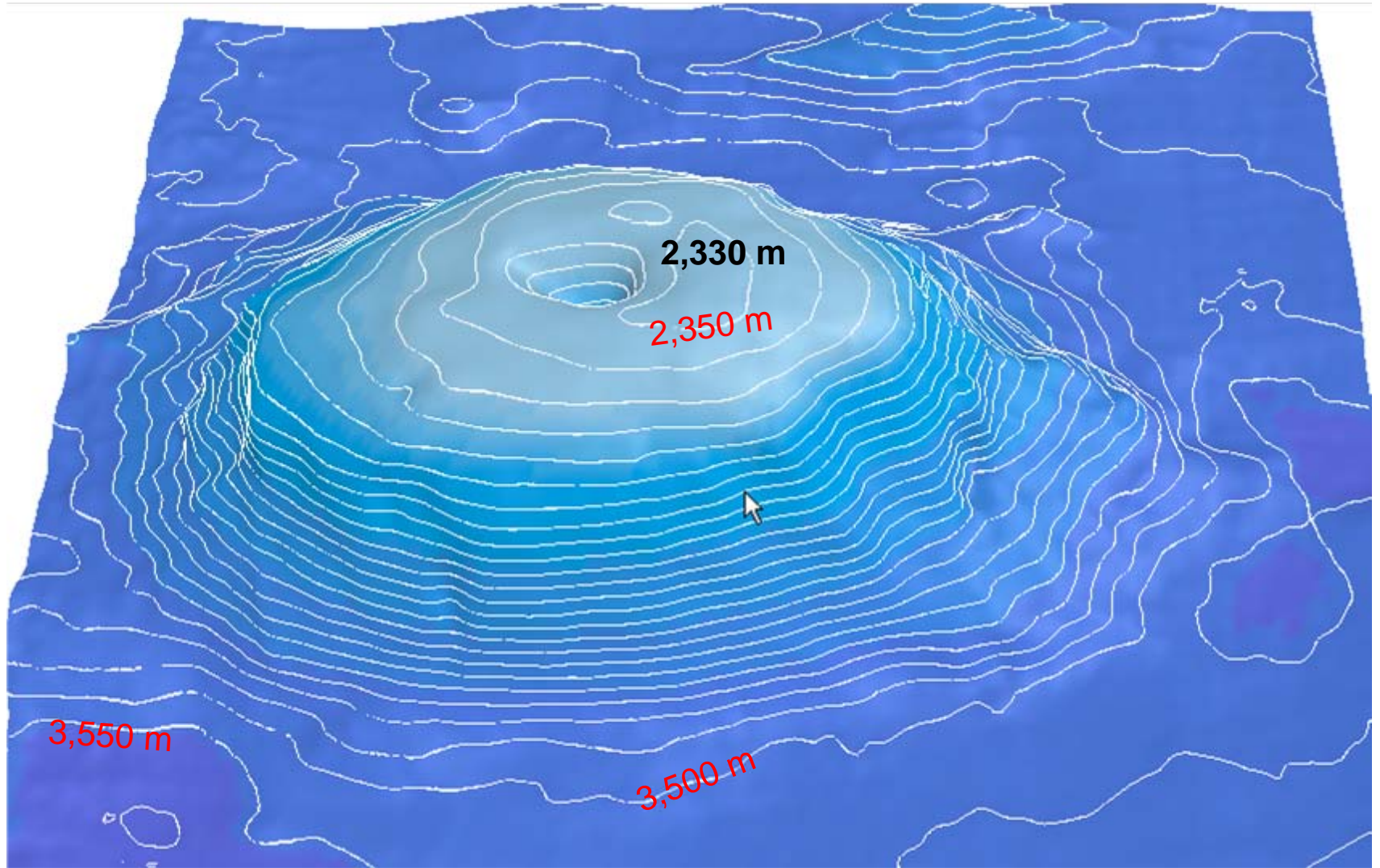
Kurentsova Seamount

200 m deep crater



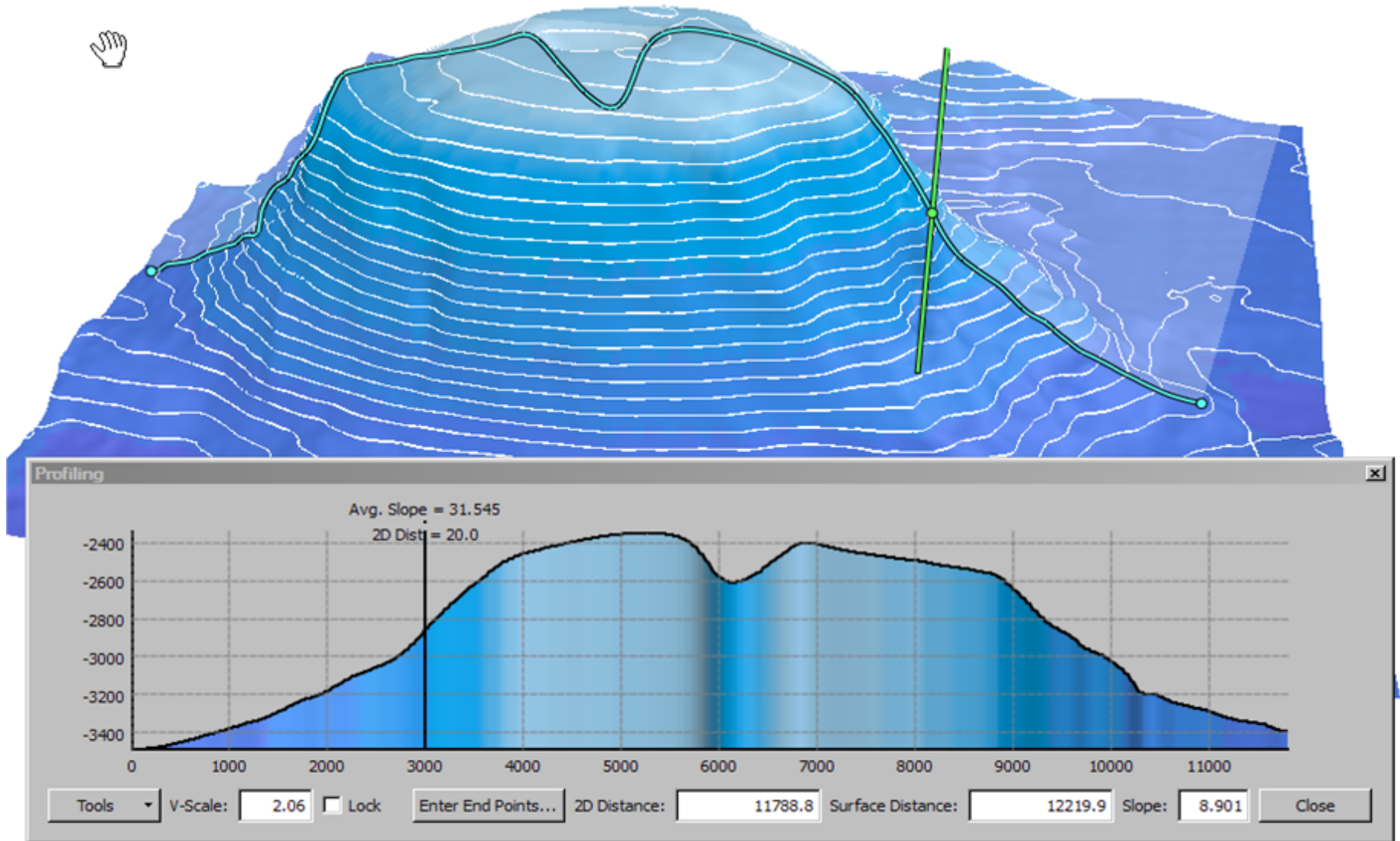
View from S

Kurentsova Seamount



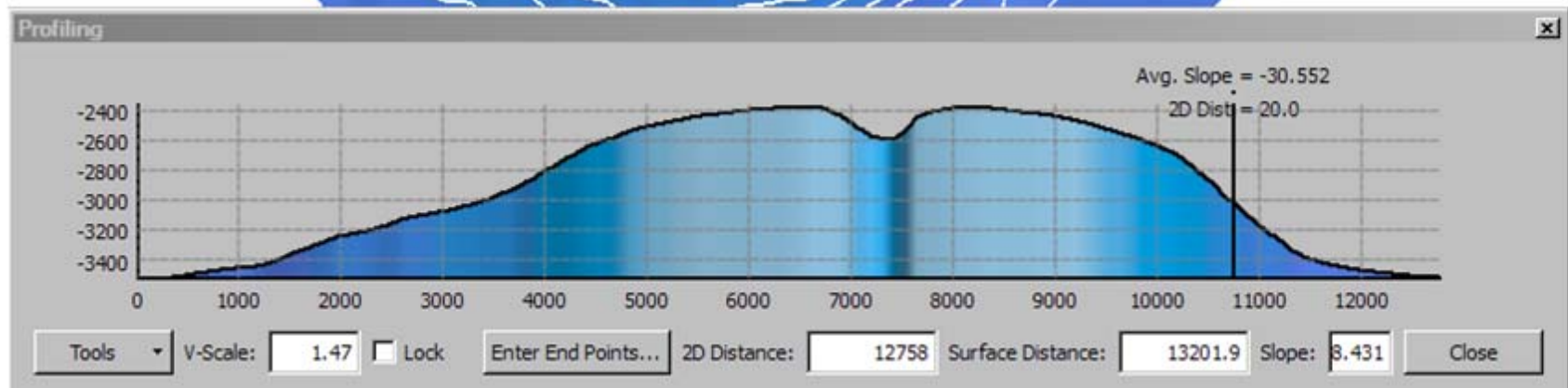
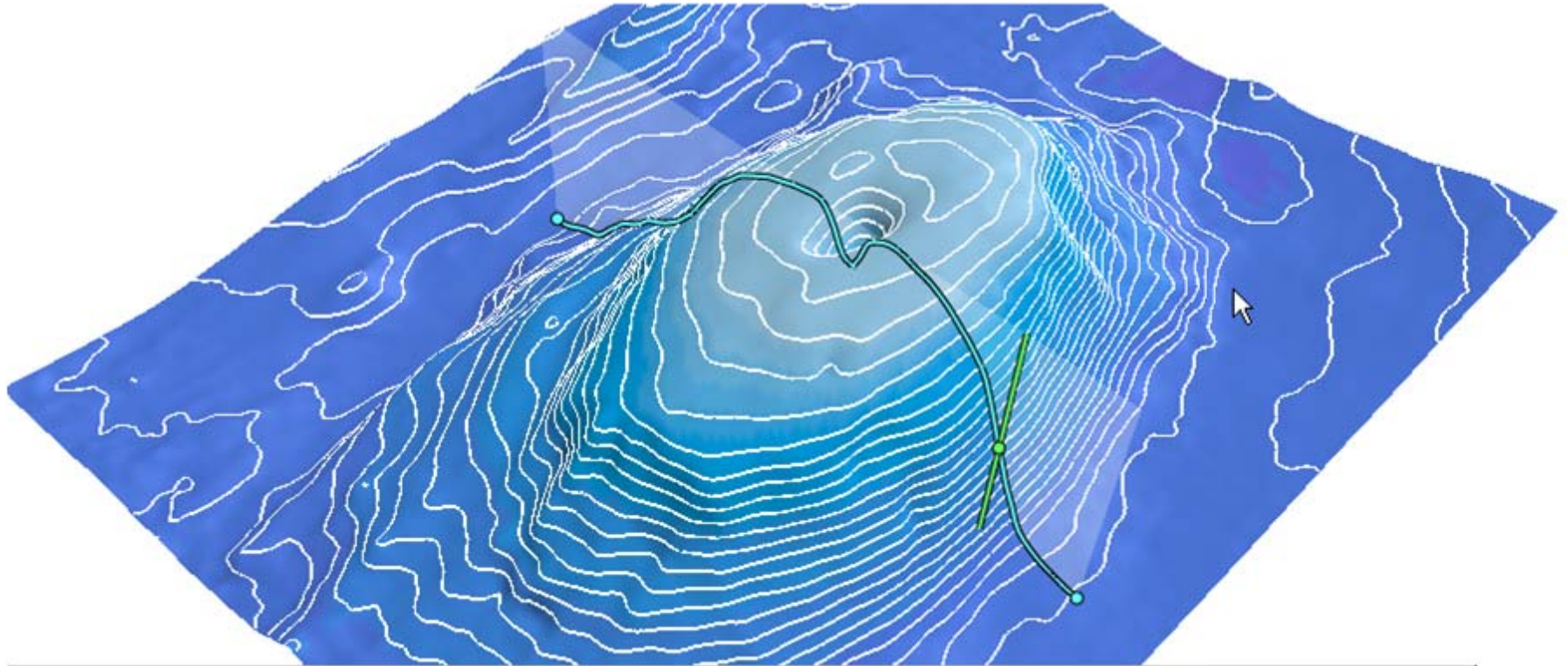
View from S

Kurentsova Seamount



Slope at S side

Kurentsova Seamount



Slope at N side