

UNDERSEA FEATURE NAME PROPOSAL

(Sea NOTE overleaf)

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

Name Proposed:	Mapuche Ridge	Ocean or Sea:	South East Pacific
-----------------------	---------------	----------------------	--------------------

Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
No	No	Yes	No	No	No	No

* 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:	(summit) 40° 38.953' S 40.64329550° S 40.58051239° S 40.62689644° S 40.67927224° S 40.67920742° S	(summit) 84° 31.296' W 84.37461369° W 84.44967783° W 84.70076347° W 84.60343089° W 84.46532910° W

Feature Description:	Maximum Depth:	4300 m	Steepness :	8,00%(Northern hillside) 25,00%(Southern hillside)
	Minimum Depth :	2104 m	Shape :	Oval shape ridge east west directions
	Total Relief :	2200 m	Dimension/Size :	35 x 18 km ²

Associated Features:	Valdivia Fracture Zone, Mocha Fracture Zone
-----------------------------	---

Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	The feature is at the part of Valdivia Fracture Zone and located on its northern flank. This feature is named Mapuche Ridge, after the Mapuche, a group of indigenous inhabitants of south-central Chile and southwestern Argentina. They constitute a wide-ranging ethnicity composed of various groups who shared a common social, religious and economic structure, as well as a common linguistic heritage. Their influence extended between the Aconcagua River and Chiloé Archipelago and later eastward to the Argentine pampa. Historically, Mapuches were known as Araucanians (<i>araucanos</i>). They resisted heavily the conquest attempts by the Spanish and the Incas. The Mapuche make up about 4% of the Chilean population, and are particularly concentrated in Araucanía Region, which is located 600 km south of Santiago de Chile and north of the city Valdivia. The location of Mapuche Ridge is approx. 1000 km off the Araucanian Region of Chile coast.
--	---

Discovery Facts:	Discovery Date:	January 1, 2011
	Discoverer (Individual, Ship):	T. Dufek German RV Sonne Expedition SO213/1

Supporting Survey Data, including Track Controls:	Date of Survey:	January 1, 2011
	Survey Ship:	German RV Sonne Expedition SO213/1
	Sounding Equipment:	SIMRAD EM120
	Type of Navigation:	GPS
	Estimated Horizontal Accuracy (nm):	0.05
	Survey Track Spacing:	Single multibeam profile
	Supporting material can be submitted as Annex in analog or digital form.	

Proposer(s):	Name(s):	Prof. Dr. Hans Werner Schenke
	Date:	5 July 2011
	E-mail:	Hans-Werner.Schenke@AWI.de
	Organization and Address:	Alfred Wegener Institute for Polar and Marine Research POB 120161 27515 Bremerhaven Germany
	Concurrer (name, e-mail, organization and address):	

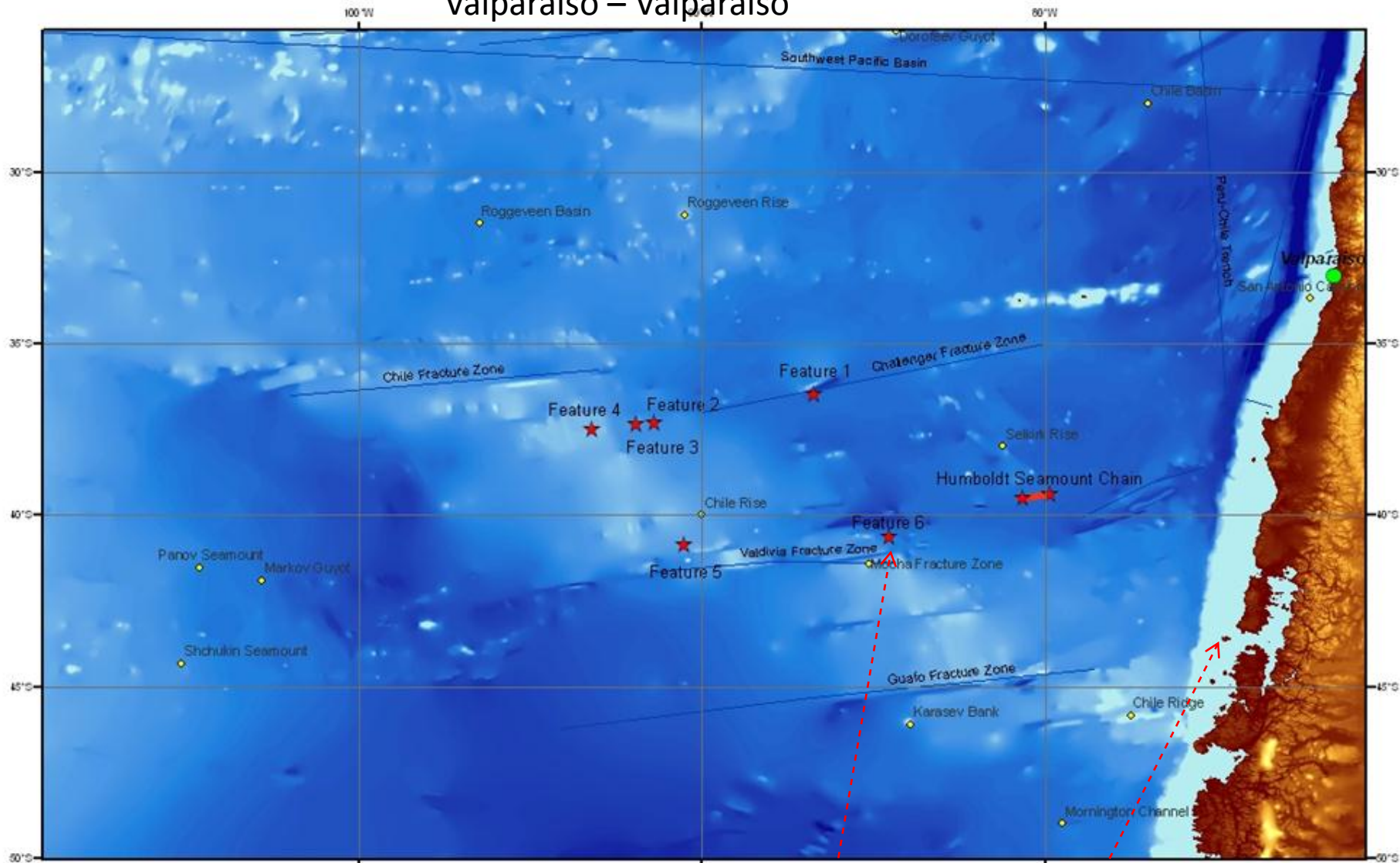
Remarks:	
----------	--

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 :

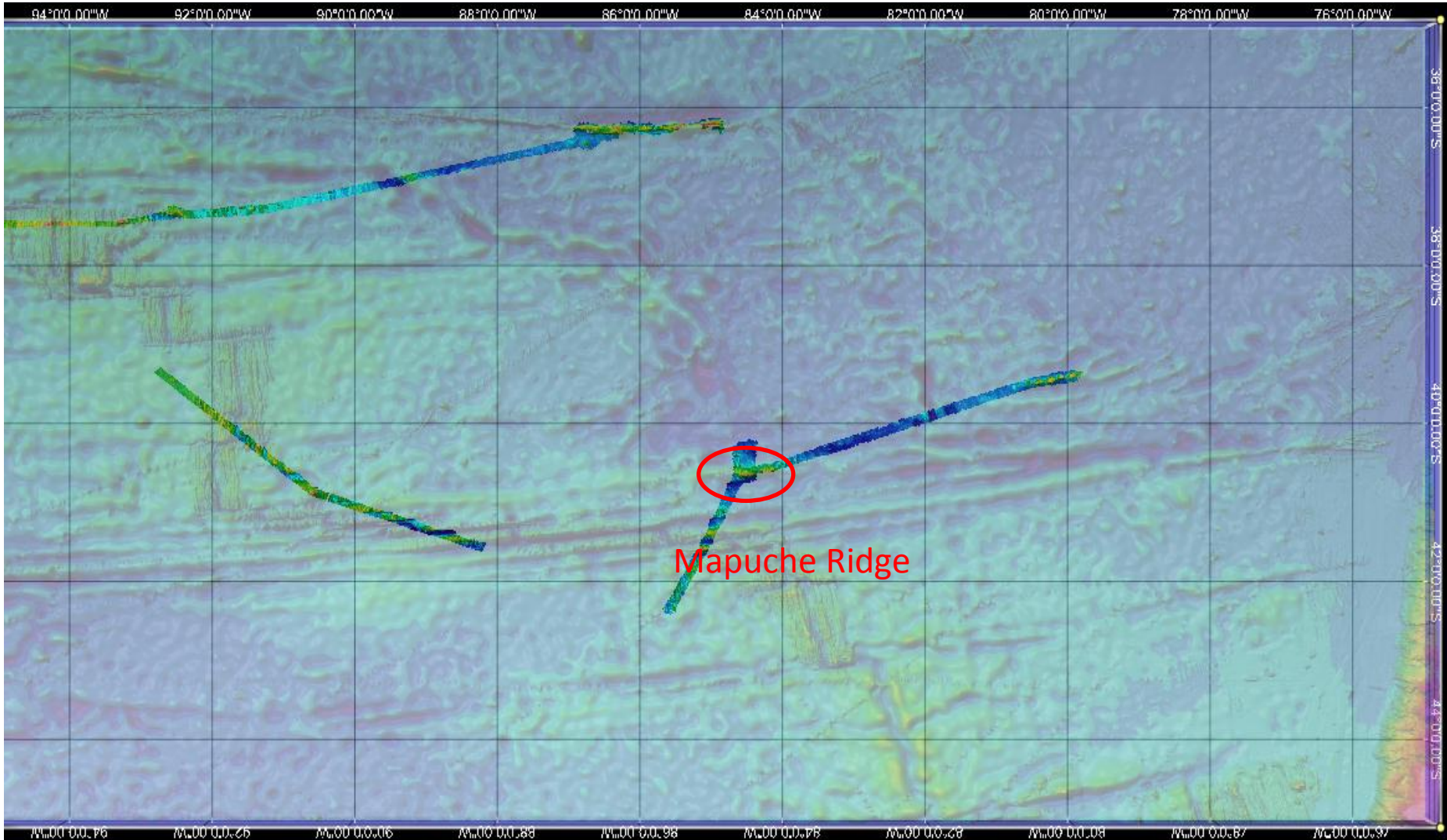
International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
--	--

SO213-1
27.12.2010 – 13.1.2011
Valparaiso – Valparaiso



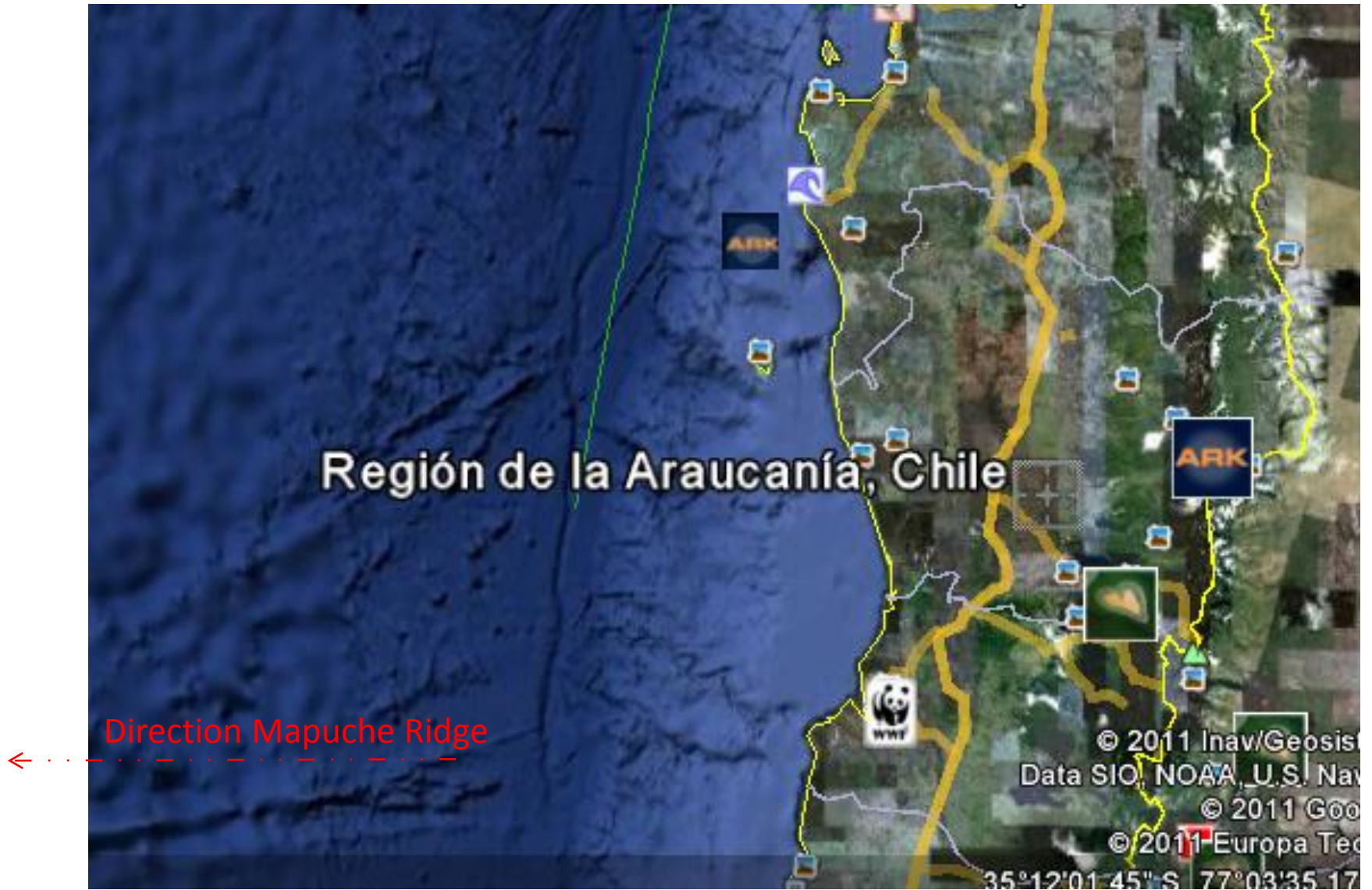
Mapuche Ridge

Feature 6:
Mapuche Ridge



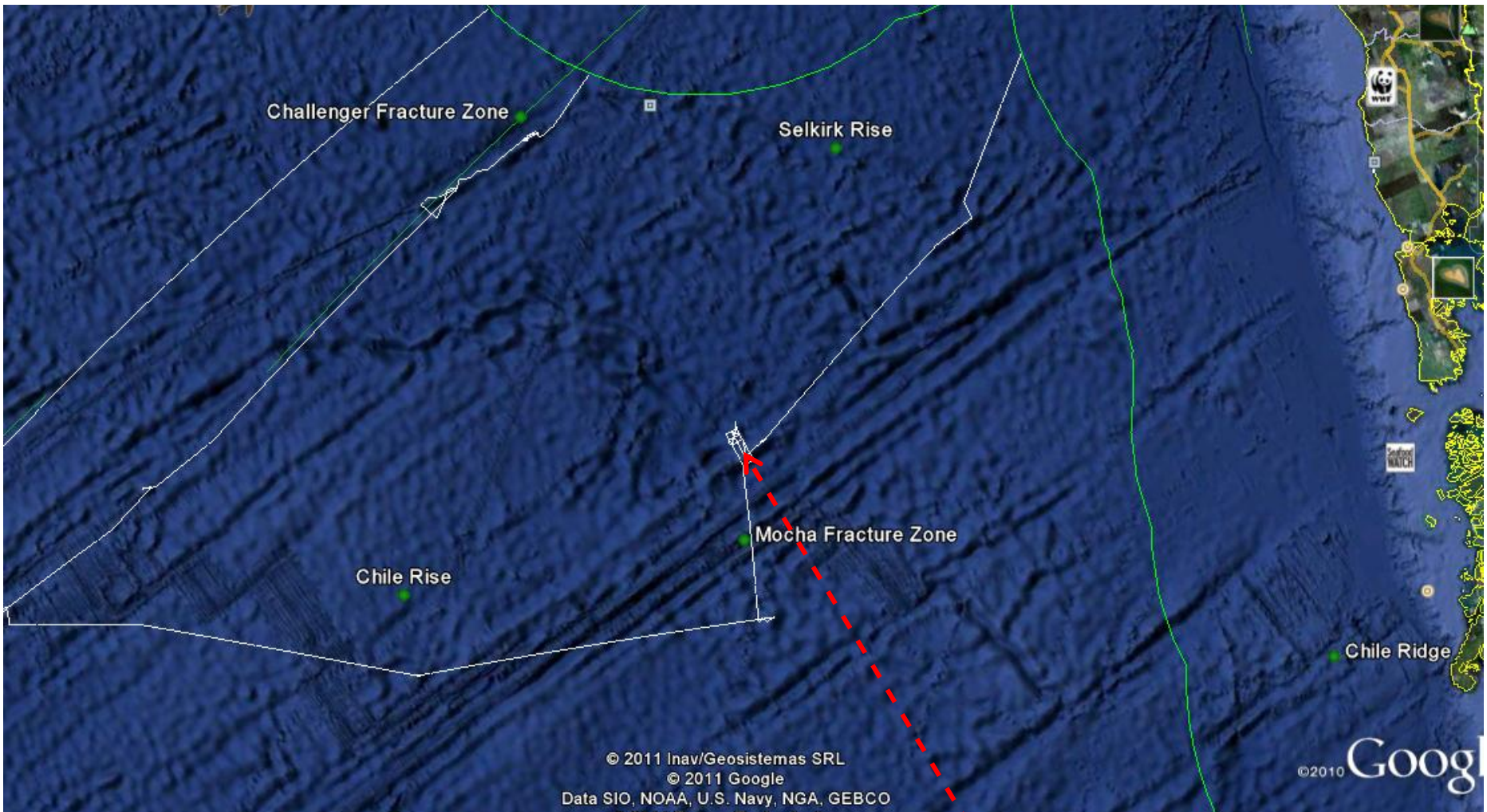
MB tracks over GDA raster

Mapuche Ridge



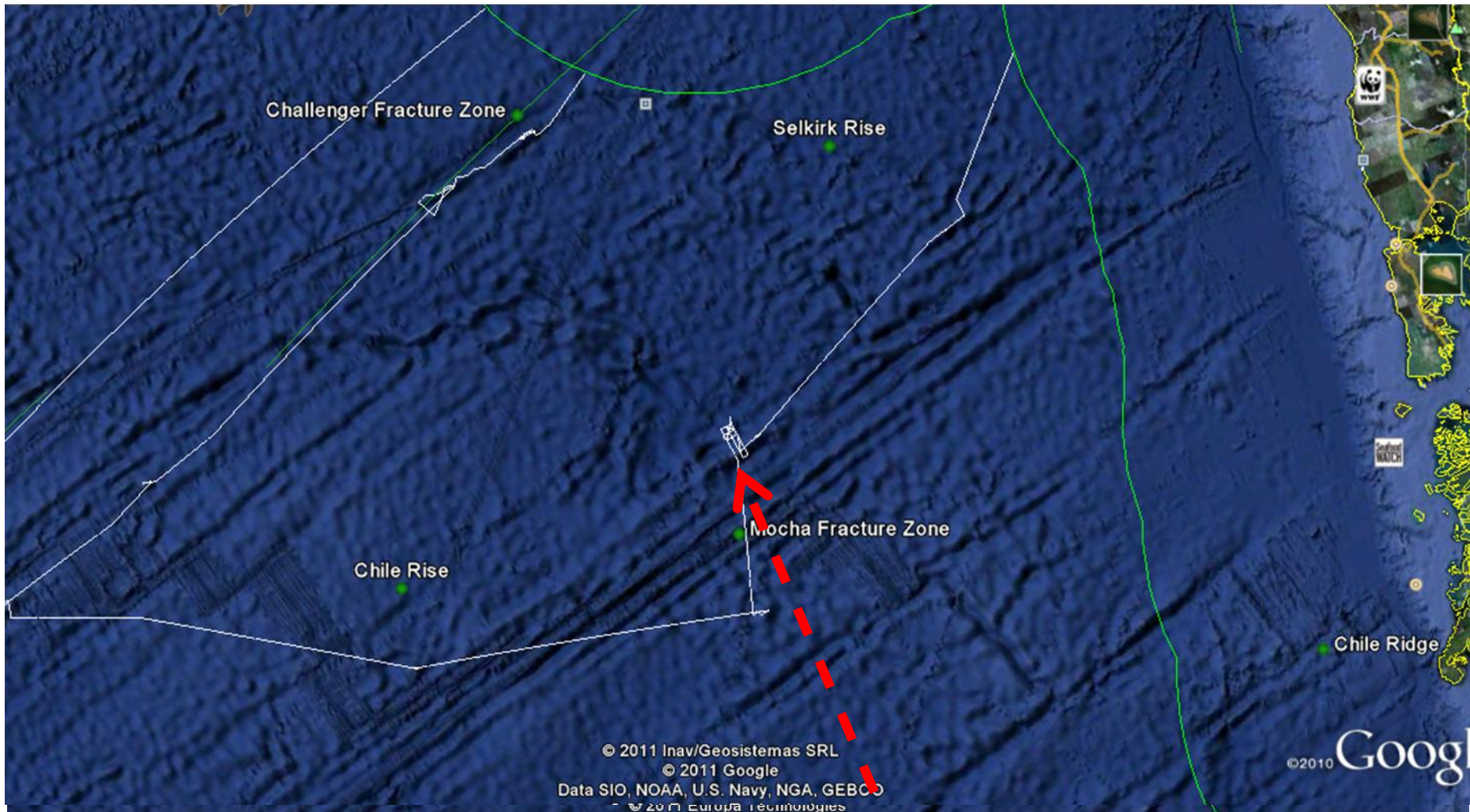
Mapuche Ridge

RV „Sonne“ Expedition SO213-1 shiptrack

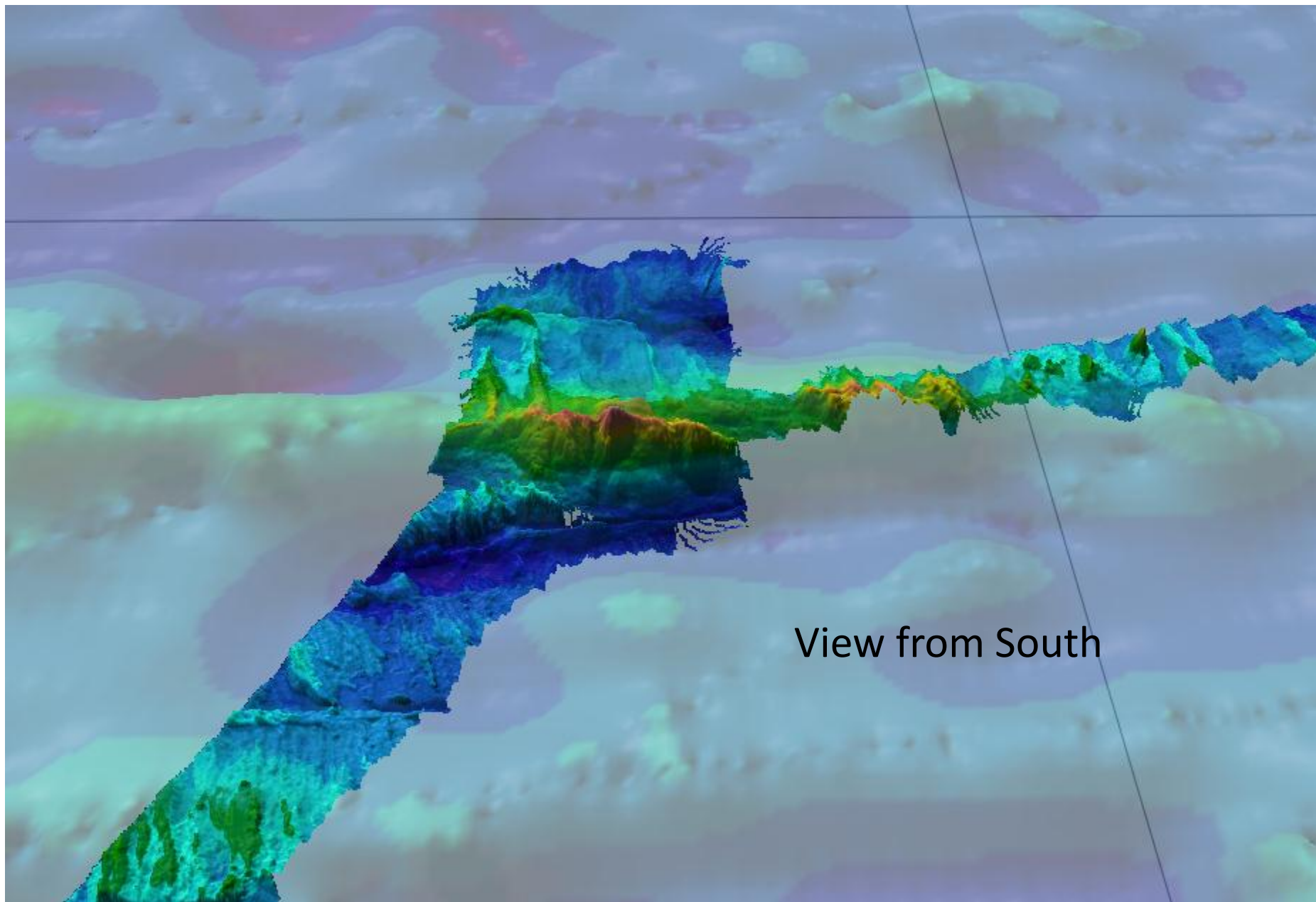


Mapuche Ridge

RV „Sonne“ Expedition SO213-1 shiptrack

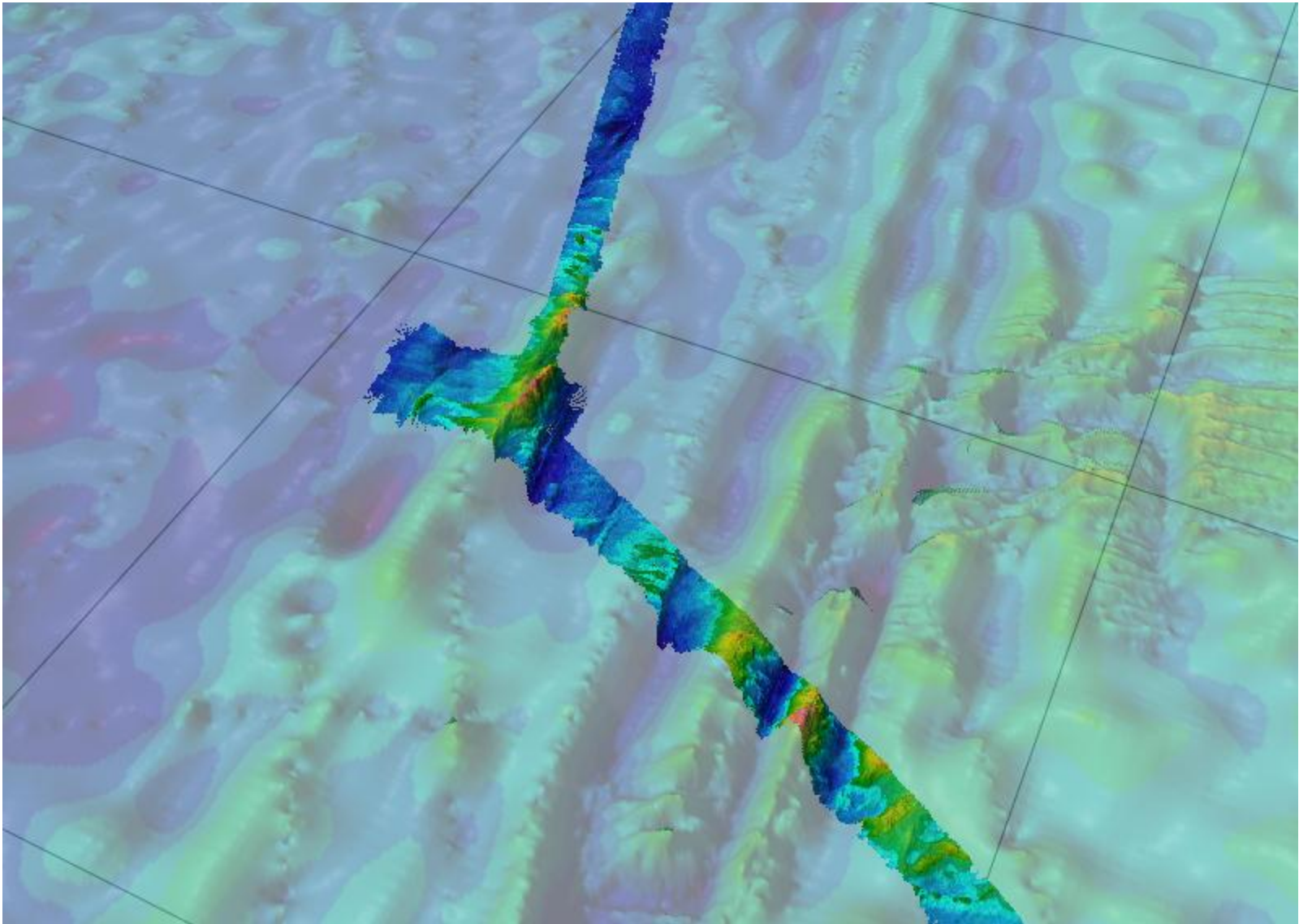


Mapuche Ridge

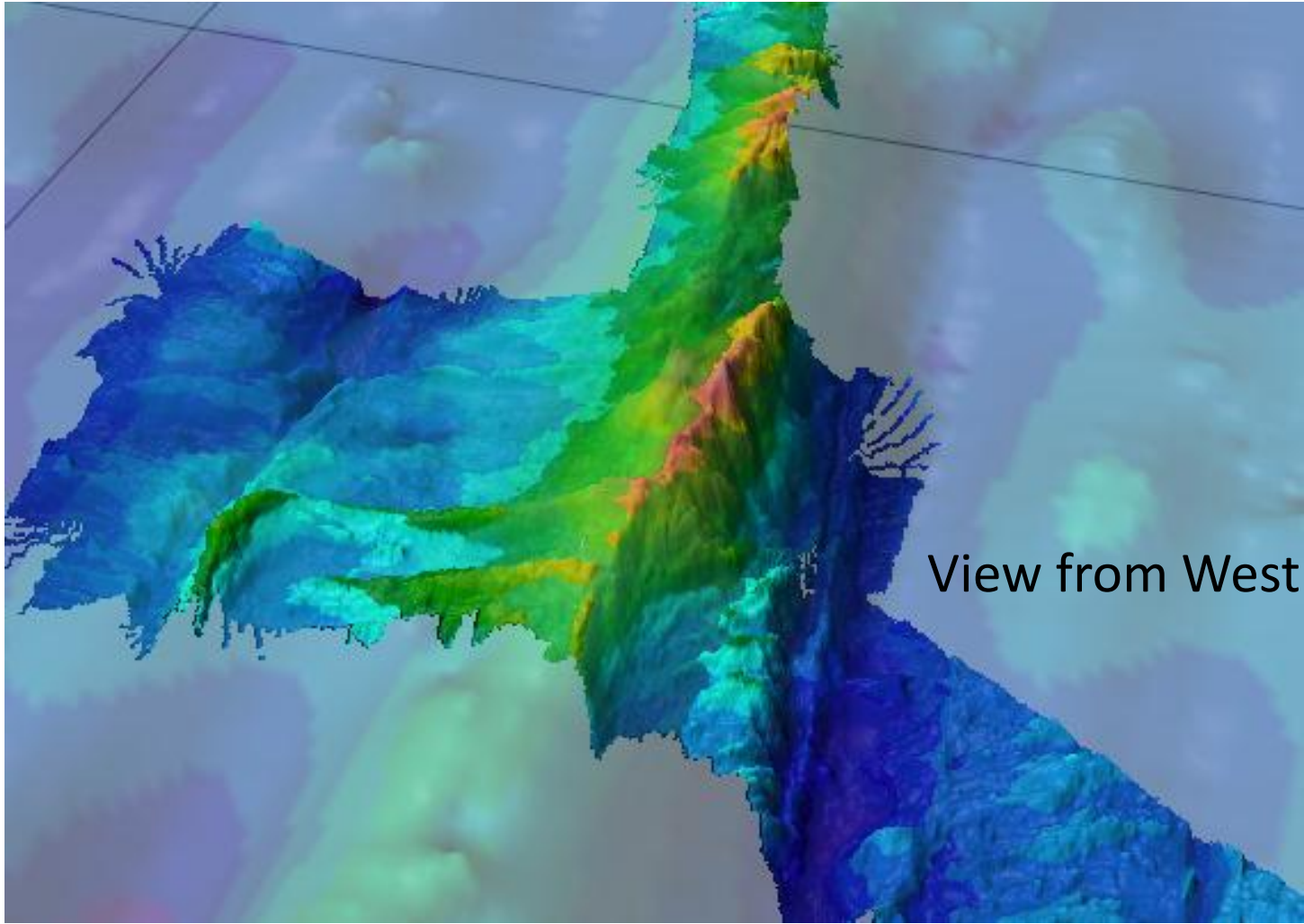


MB-track over GDA

Mapuche Ridge

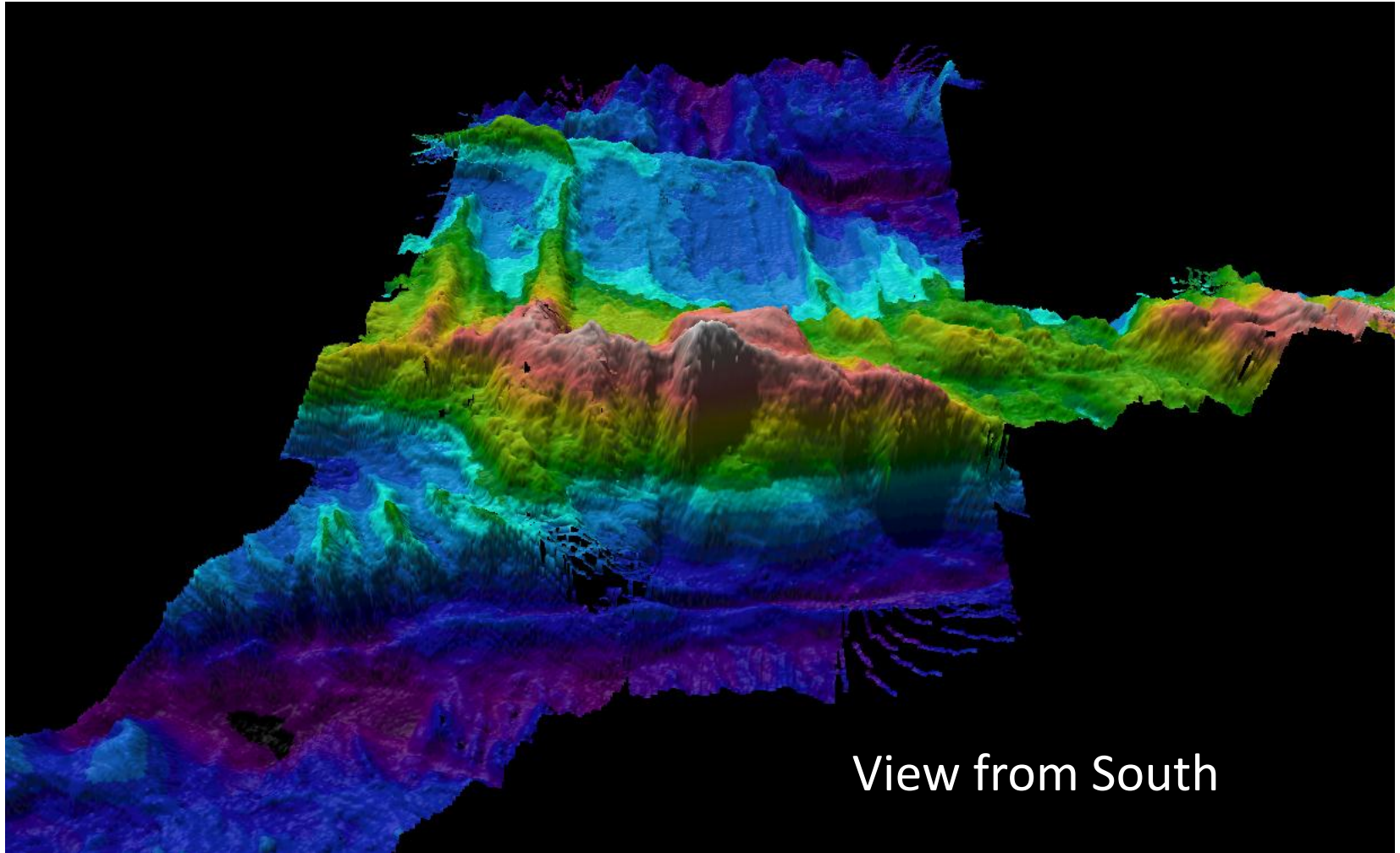


Mapuche Ridge

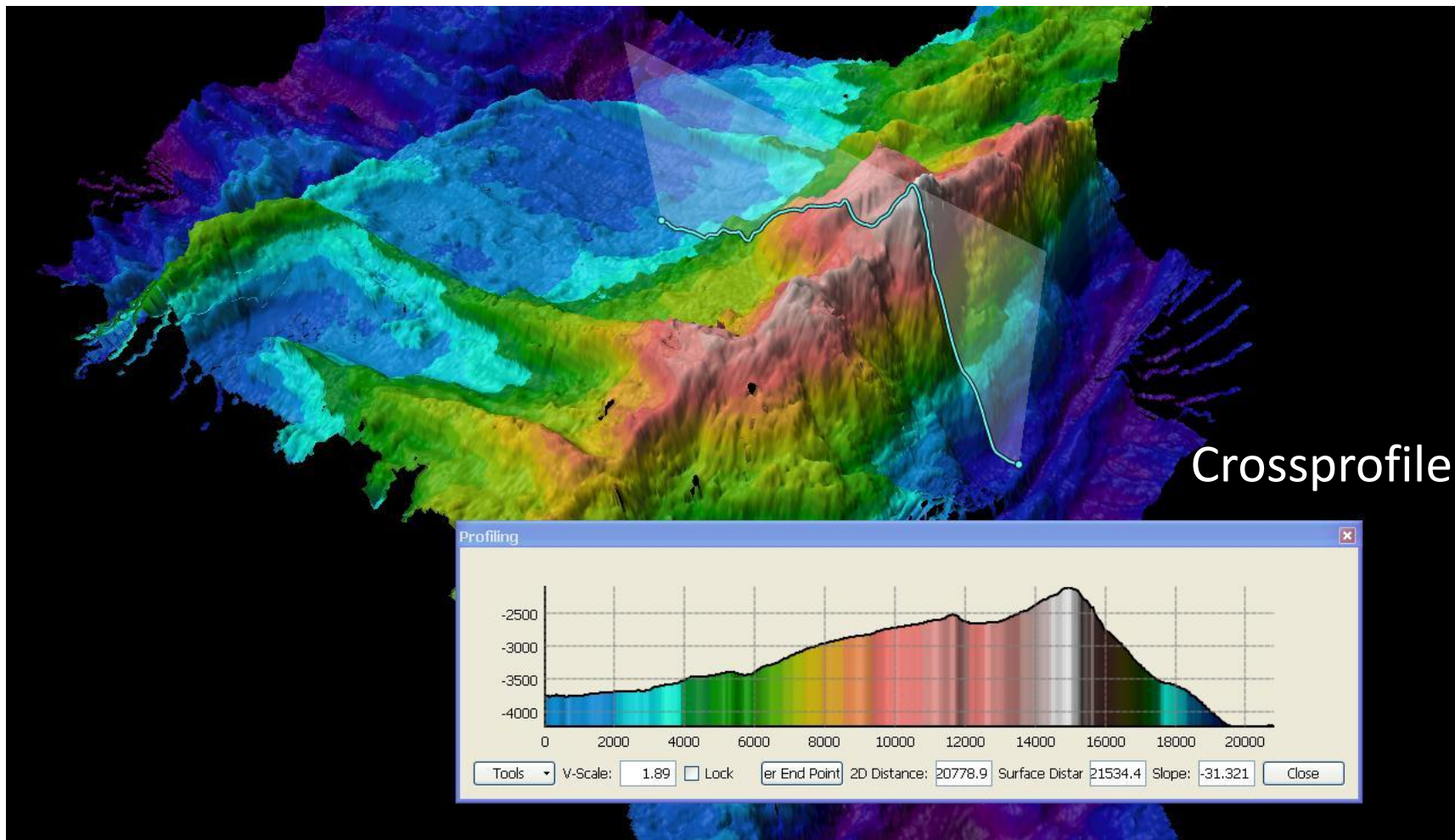


MB-track over GDA

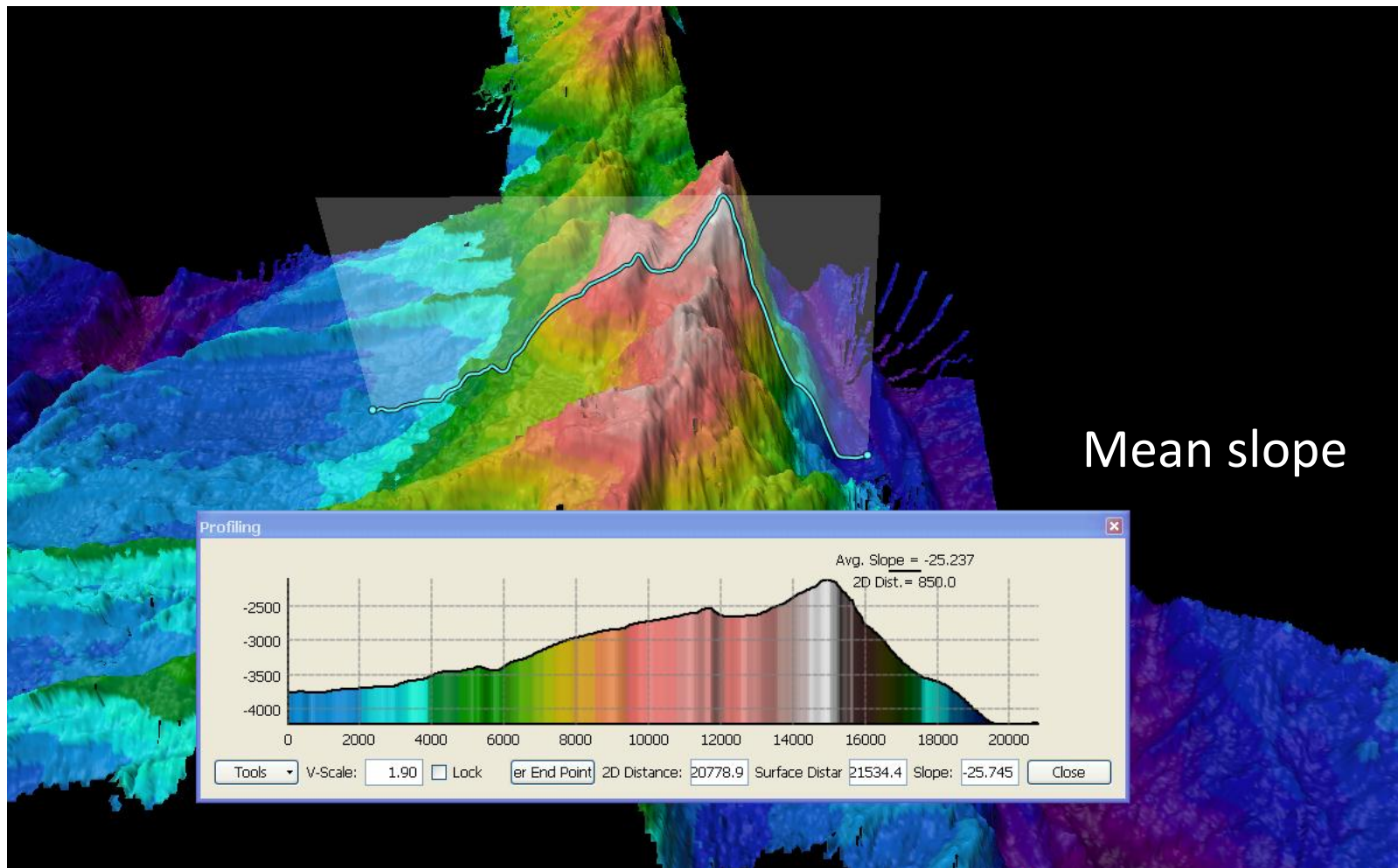
Mapuche Ridge



Mapuche Ridge



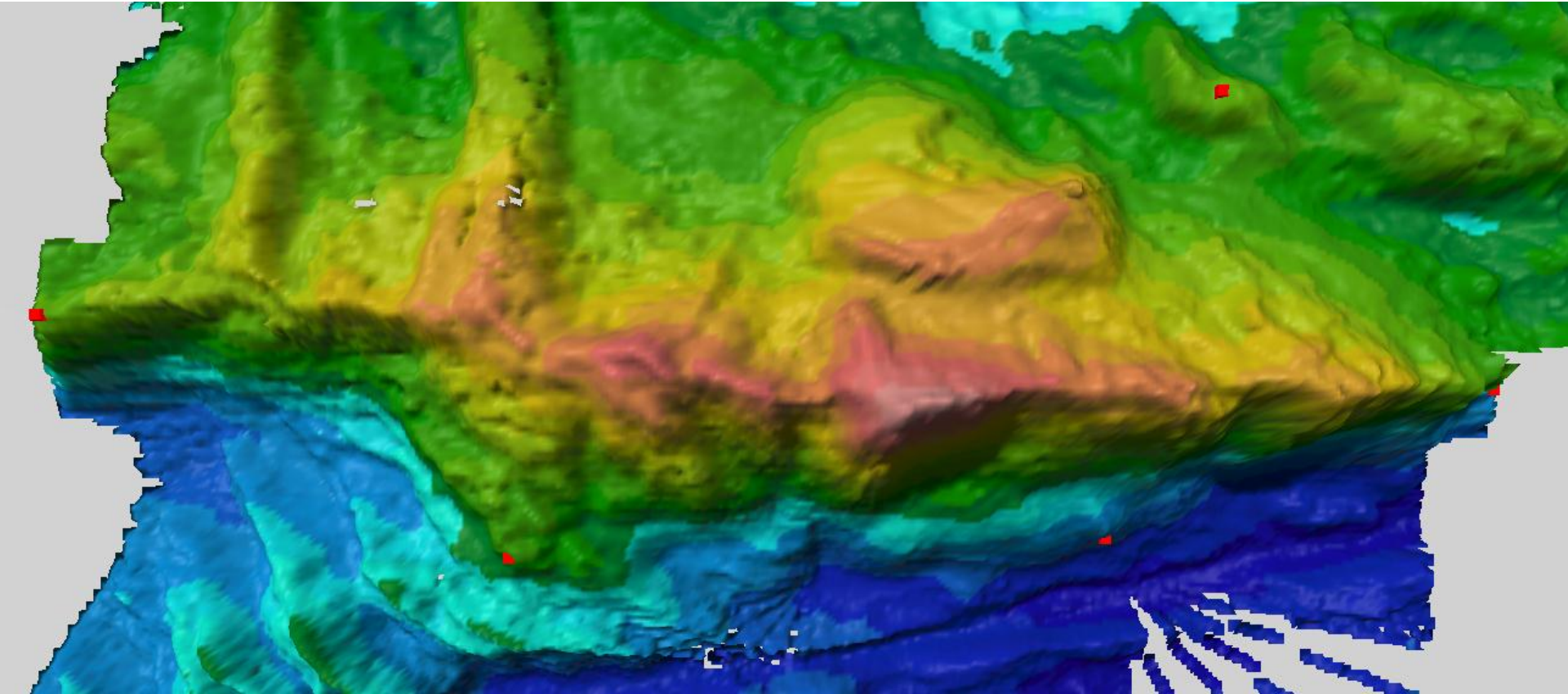
Mapuche Ridge



Mean slope

Mapuche Ridge

Feature Geometry: Polygon



Polygon **Mapuche Ridge**