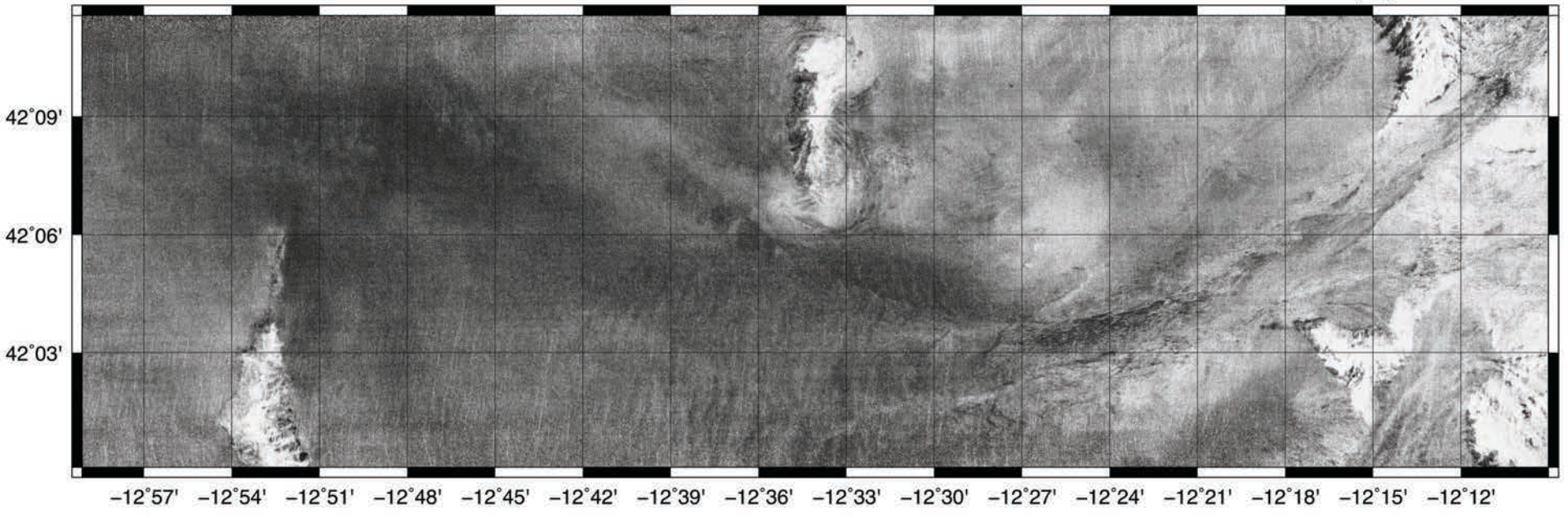
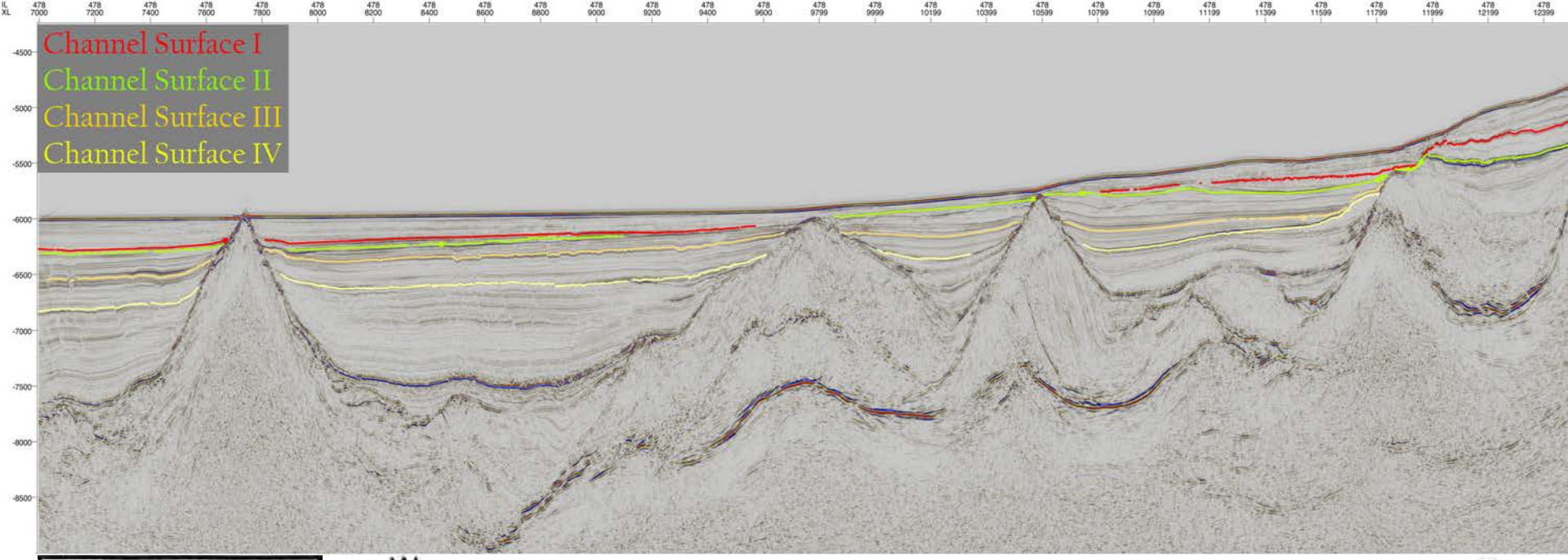
Seafloor surface processes and subsurface paleo-channel unconformities mapped using multi-channel seismic and multi-beam sonar data from the Galicia 3D seismic experiment.

James Gibson, Donna Shillington, Dale Sawyer, Brian Jordan, Julia Morgan, Cesar Ranero, and Tim Reston

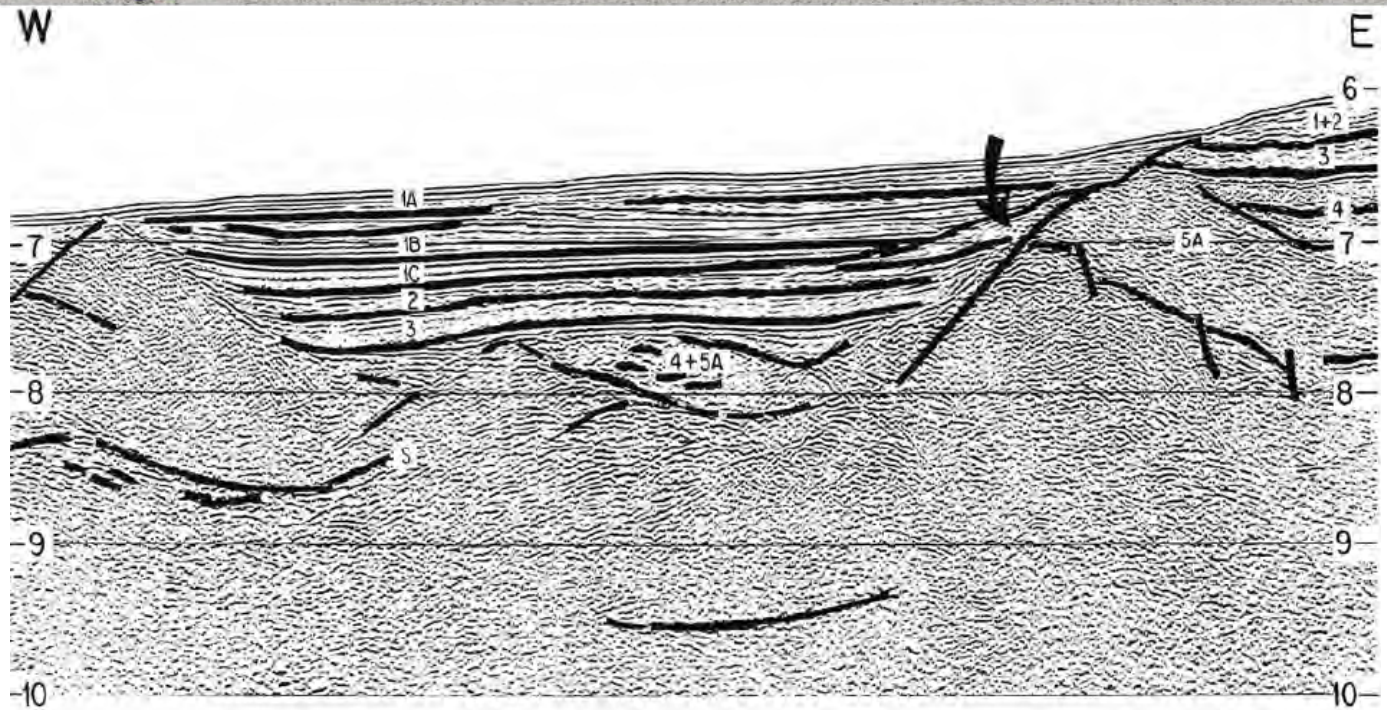
MLSOC
12/13/2015

NATURAL ENVIRONMENT RESEARCH COUNCIL

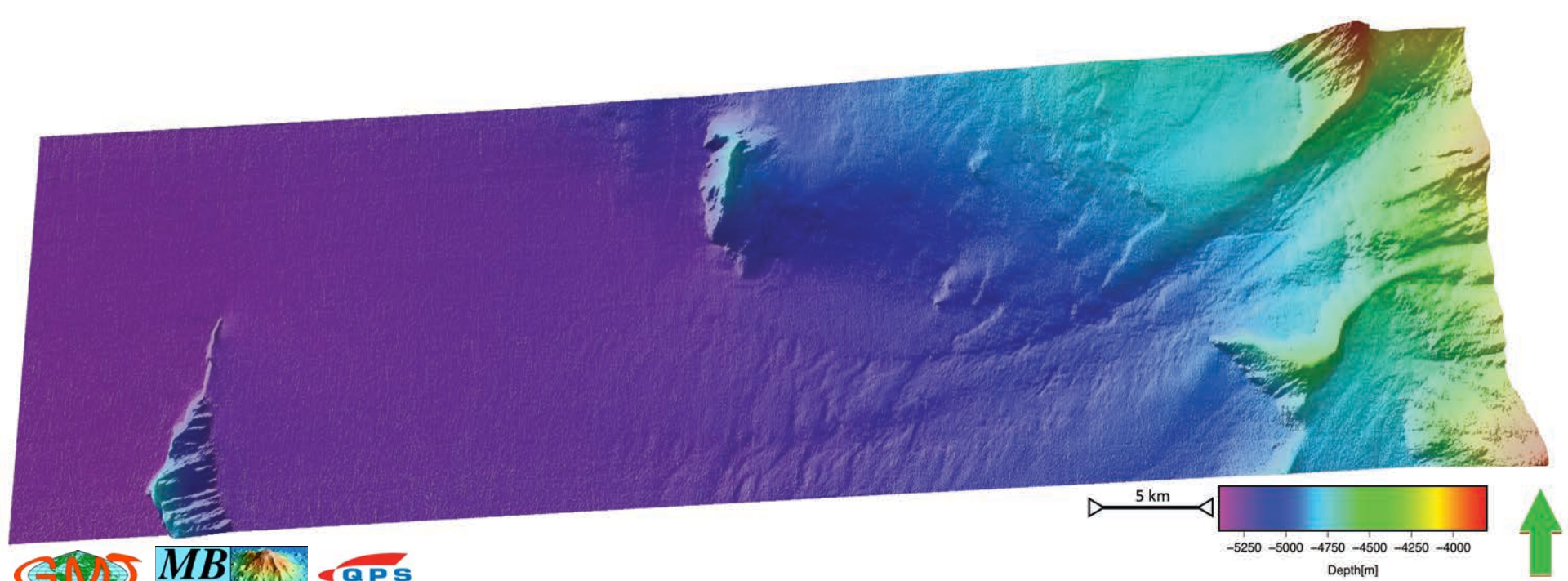


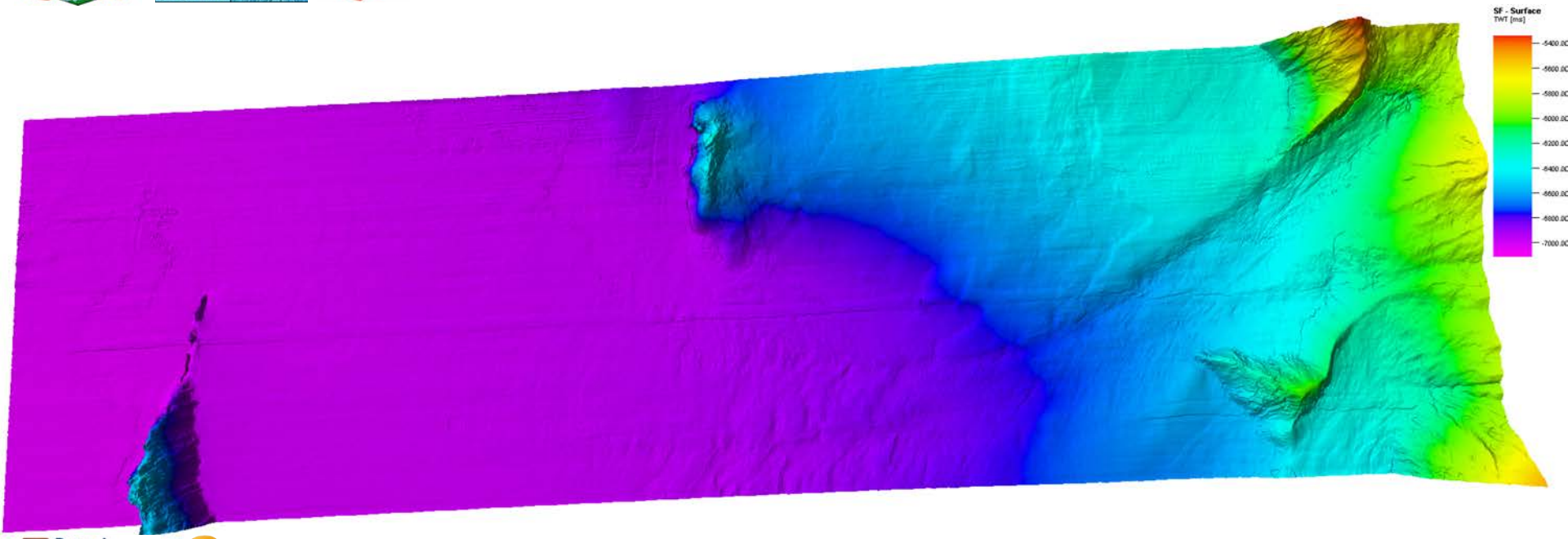


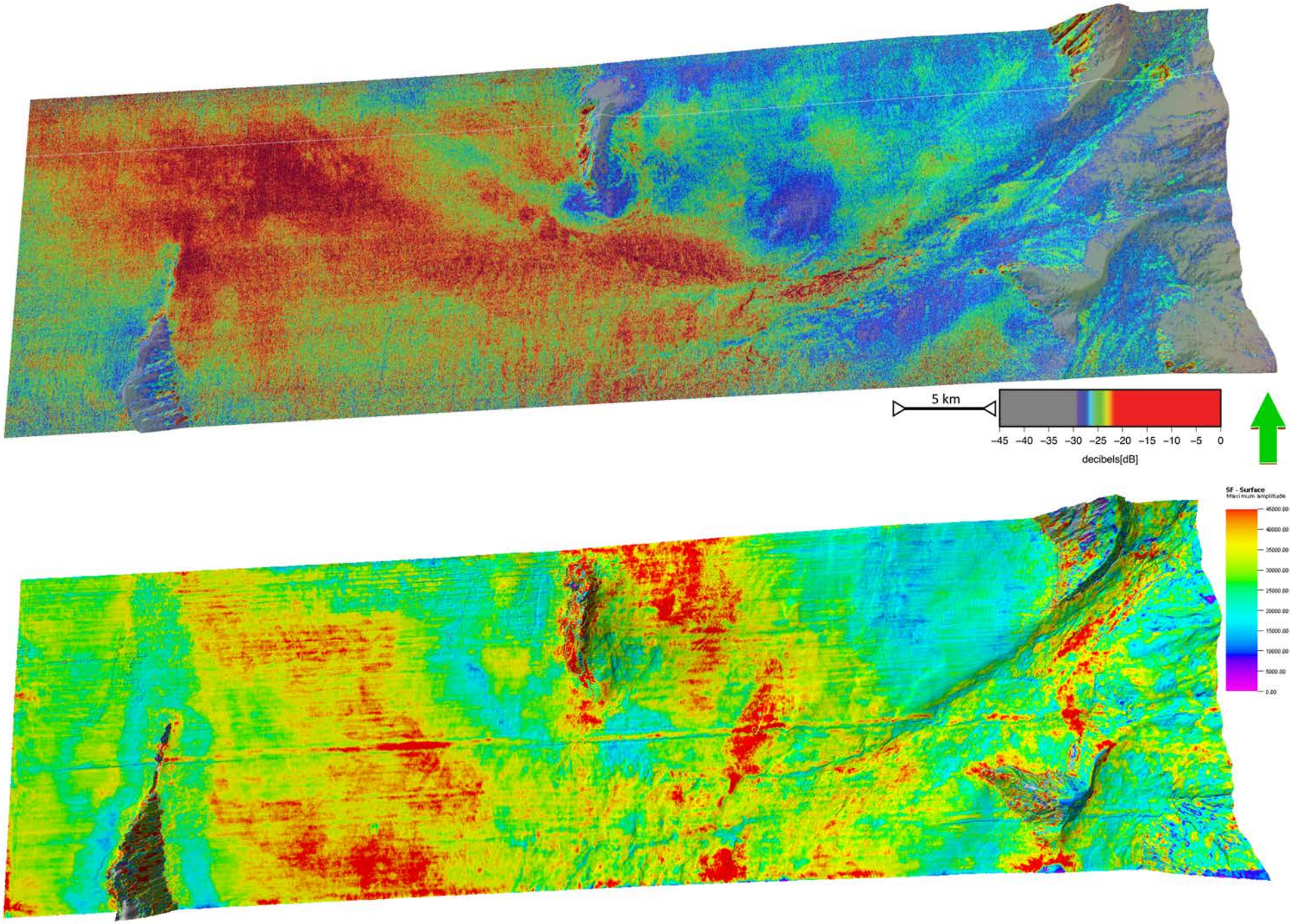
WEST FLANK OF GALICIA BANK this study GP12 (fig.2) and GP11 (fig. 8)	
1A -180m	LATE MIOCENE TO RECENT
1B -180m	MIOCENE
1C-220m	OLIGOCENE
2-385m	EOCENE TO SANTONIAN
3-687m	CENOMANIAN TO LATE OR EARLY APTIAN
4-450m	EARLY APTIAN OR LATE BARREMIAN TO HAUTERIVIAN
5A=5 1440m	GP 11 (fig.8) HAUTERIVIAN TO VALANGINIAN
5B=6 400m	BERRIASIAN TO TITHONIAN
5B=7 800m	KIMMERIDGIAN TO OXFORDIAN

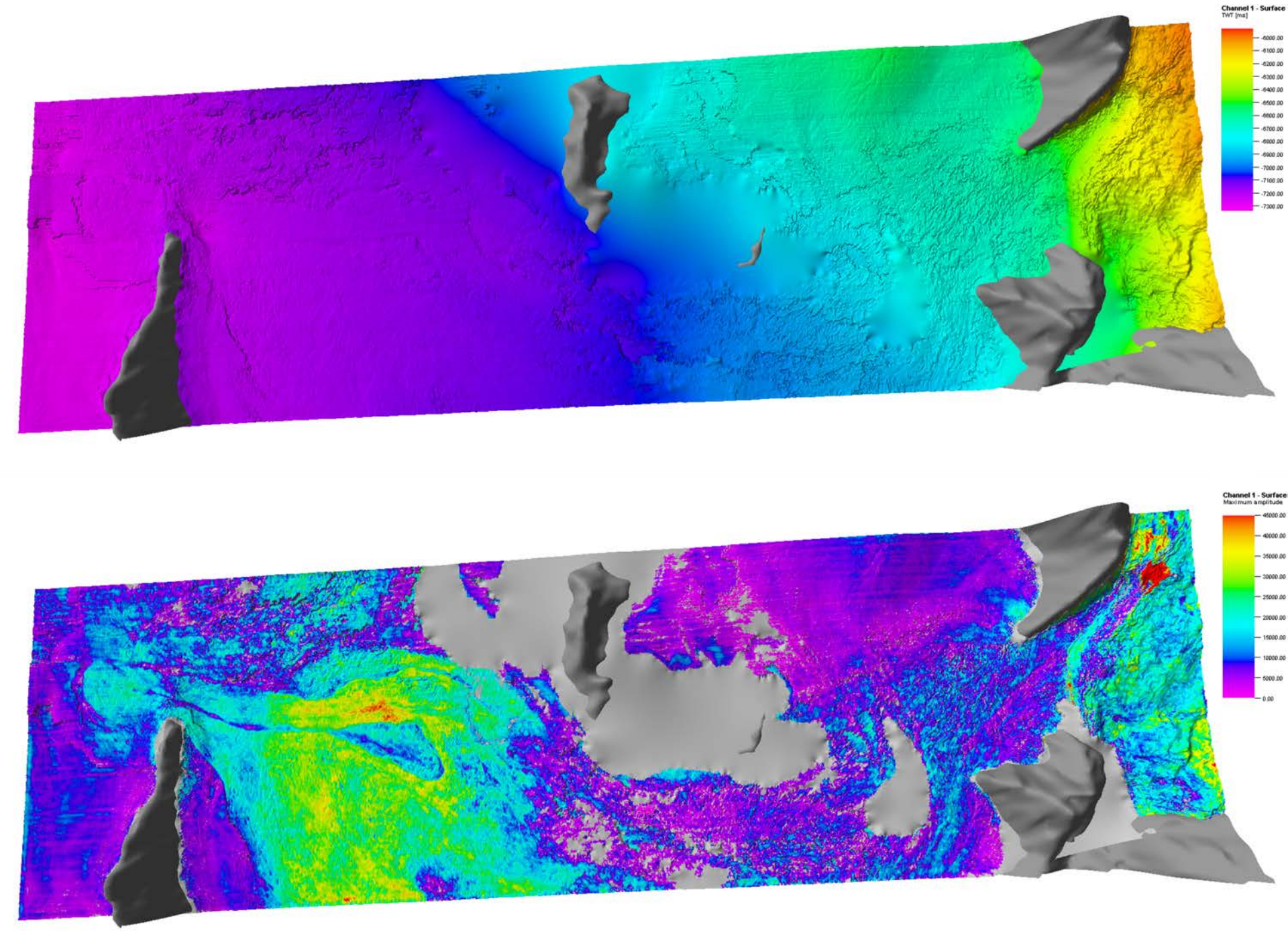


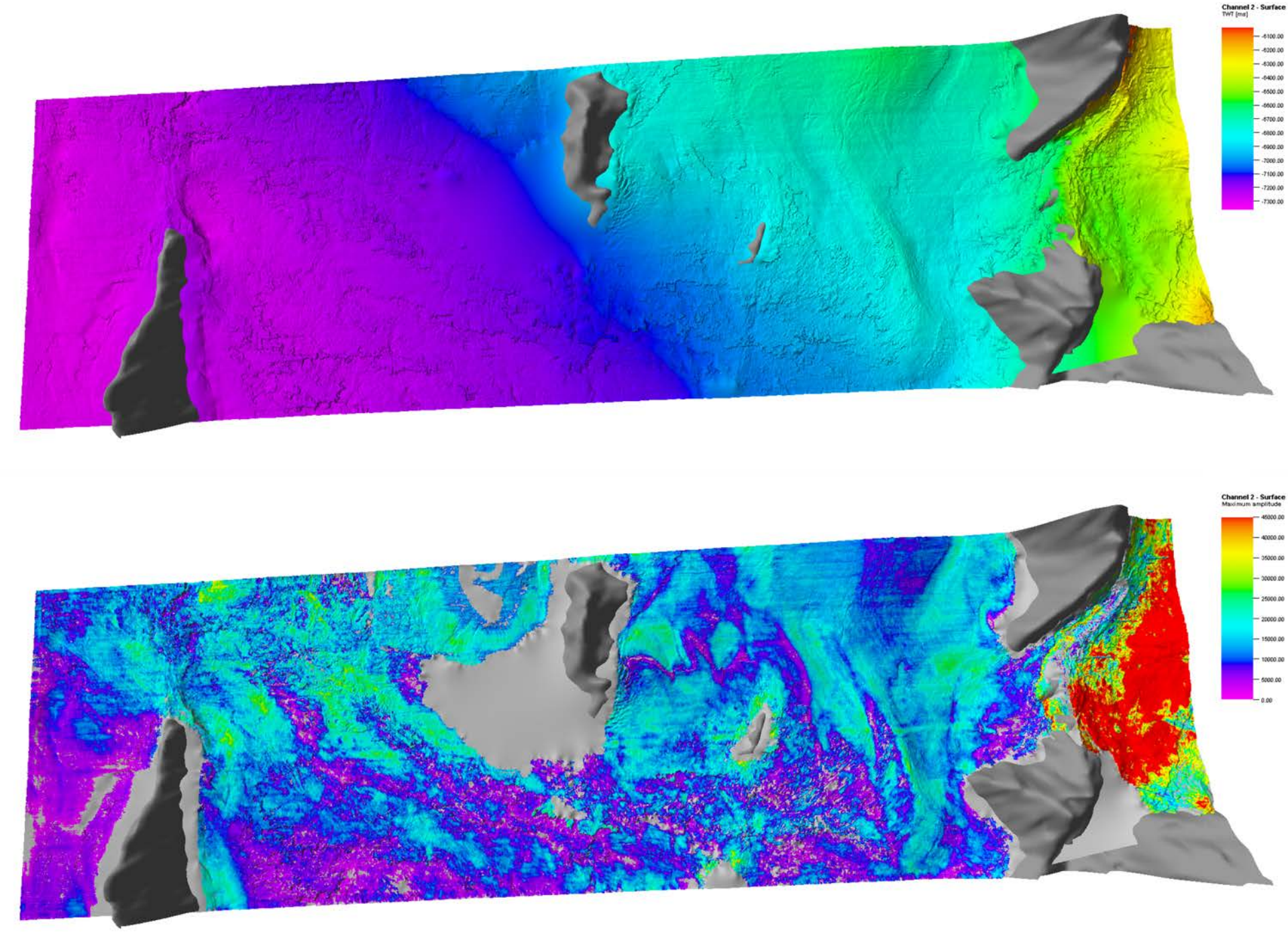
Mauffret, A., and Montadert, L., 1988. Seismic stratigraphy off Galicia, ODP, Sci. Results, 103
doi:10.2973/odp.proc.sr.103.119.1988

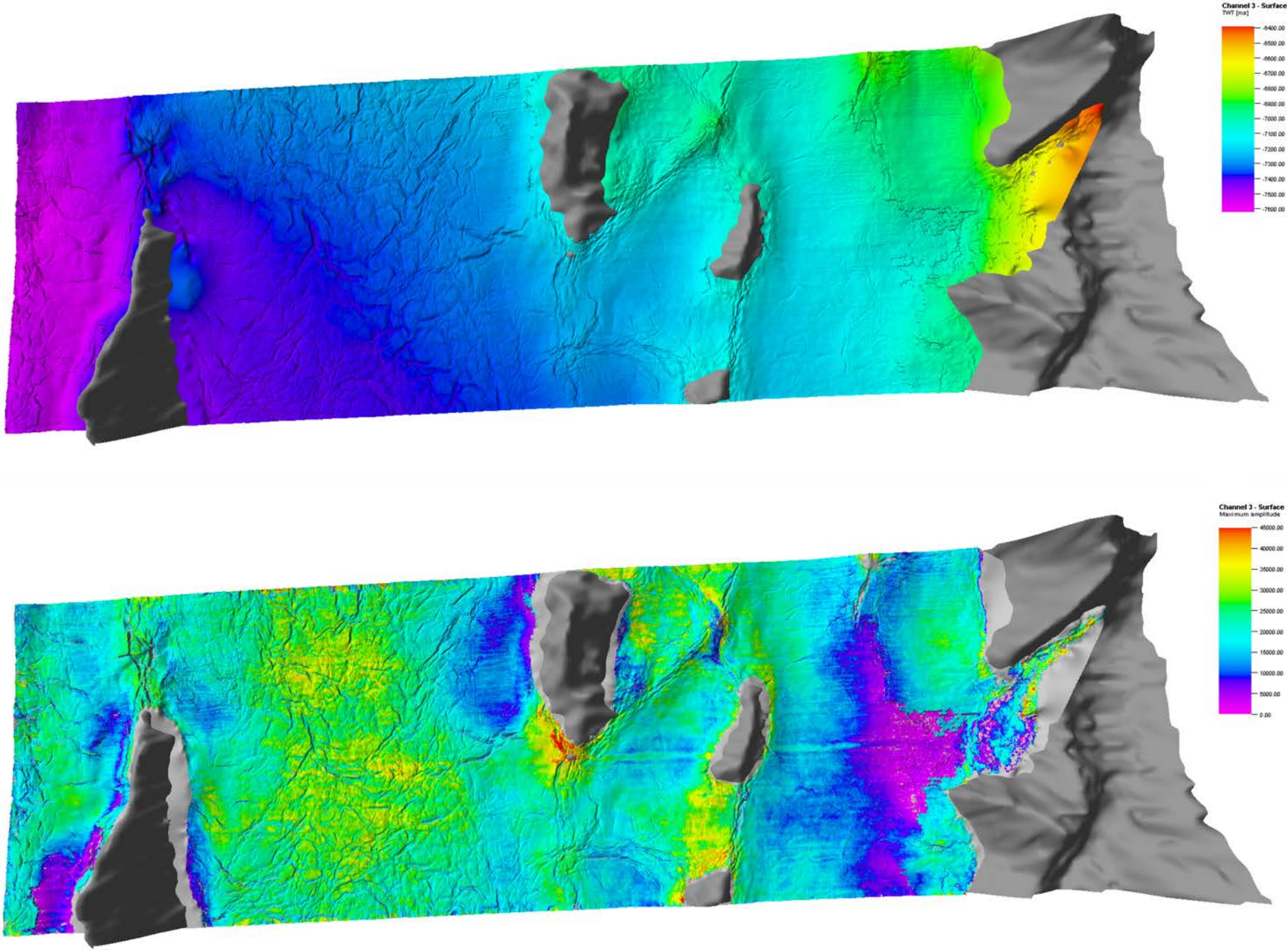

5 km
−5250 −5000 −4750 −4500 −4250 −4000
Depth[m]


SF - Surface
TWT [ms]


5 km
−45 −40 −35 −30 −25 −20 −15 −10 −5 0
decibels[dB]
SF - Surface
Maximum amplitude
45000.00
40000.00
35000.00
30000.00
25000.00
20000.00
15000.00
10000.00
5000.00
0.00


Channel 1 - Surface
TWT [ms]
-6000.00
-6100.00
-6200.00
-6300.00
-6400.00
-6500.00
-6600.00
-6700.00
-6800.00
-6900.00
-7000.00
-7100.00
-7200.00
-7300.00
Channel 1 - Surface
Maximum amplitude
45000.00
40000.00
35000.00
30000.00
25000.00
20000.00
15000.00
10000.00
5000.00
0.00


Channel 2 - Surface
TWT [ms]
-6100.00
-6200.00
-6300.00
-6400.00
-6500.00
-6600.00
-6700.00
-6800.00
-6900.00
-7000.00
-7100.00
-7200.00
-7300.00
Channel 2 - Surface
Maximum amplitude
45000.00
40000.00
35000.00
30000.00
25000.00
20000.00
15000.00
10000.00
5000.00
0.00


Channel 3 - Surface
TWT [ms]
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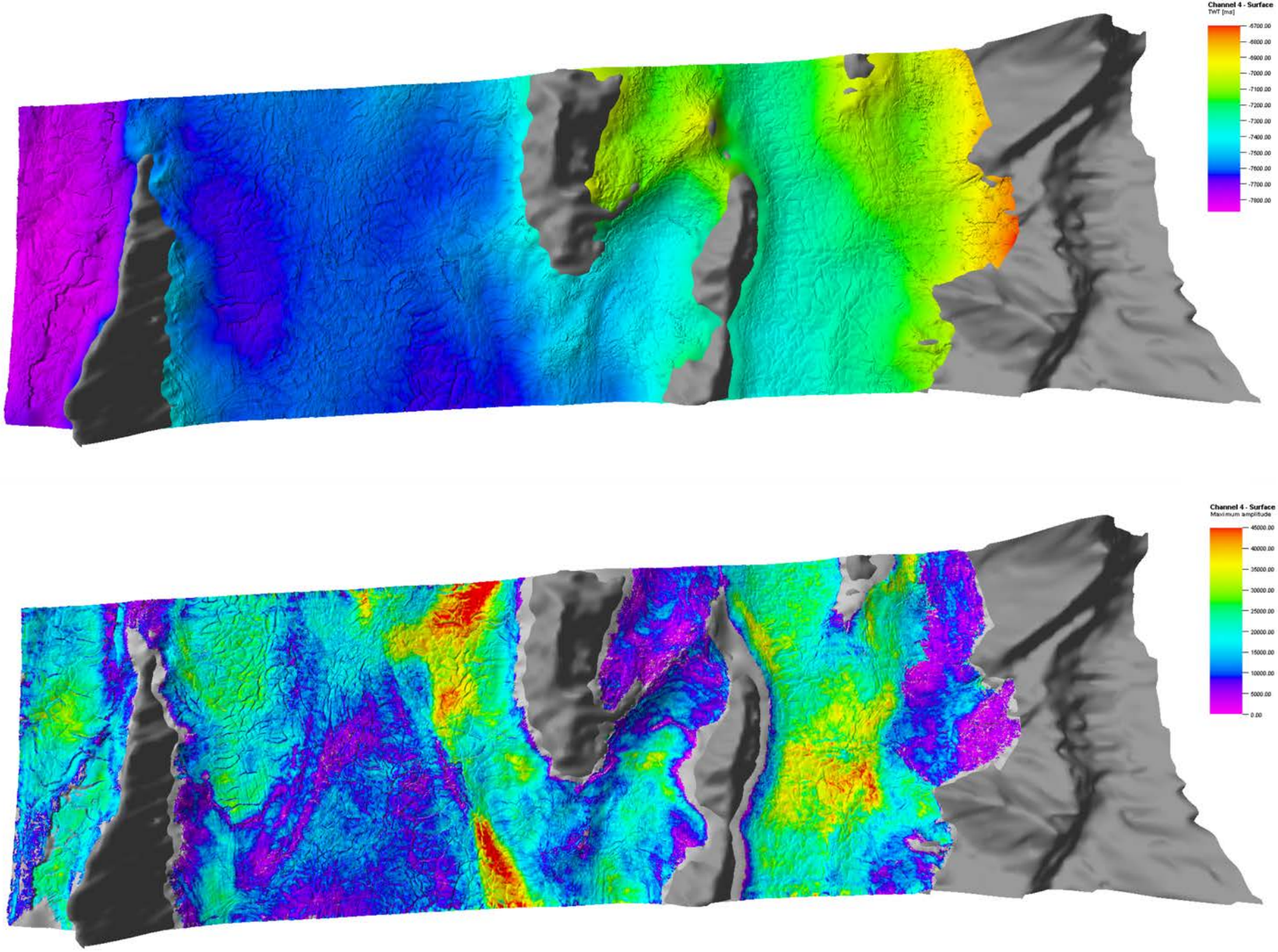
-6500.00
-6600.00
-6700.00
-6800.00
-6900.00
-7000.00
-7100.00
-7200.00
-7300.00
-7400.00
-7500.00
-7600.00
Channel 3 - Surface
Maximum amplitude
45000.00
40000.00
35000.00
30000.00
25000.00
20000.00
15000.00
10000.00
5000.00
0.00


Channel 4 - Surface
TWT [ms]
-6700.00
-6800.00
-6900.00
-7000.00
-7100.00
-7200.00
-7300.00
-7400.00
-7500.00
-7600.00
-7700.00
-7800.00
Channel 4 - Surface
Maximum amplitude
45000.00
40000.00
35000.00
30000.00
25000.00
20000.00
15000.00
10000.00
5000.00
0.00

T33D-2970

Marine Sedimentary Records of Climate-Tectonic Interactions II Posters

Wednesday, December 16th 2015; 13:40 - 18:00