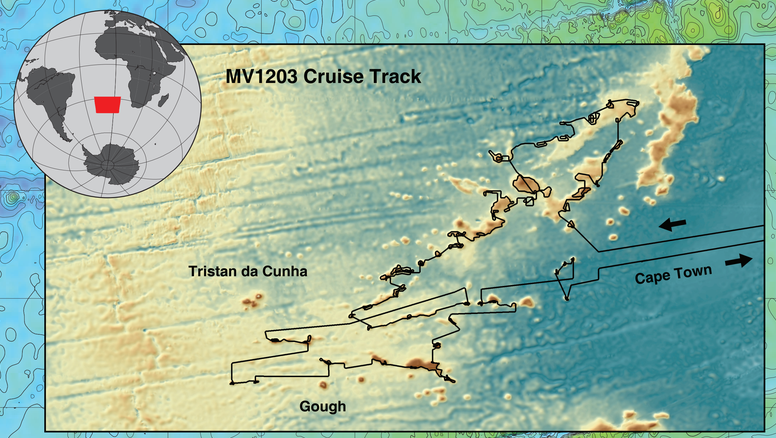
Young Walvis Ridge Guyot Province

Walvis Ridge – Atlantic Ocean

Merged Bathymetric Map

Contour Interval = 250 meters
Pixel Resolution = 1800 meters
Scale = 0.25 °/cm



DSDP 527 ODP-1267
DSDP-523
57.7 ± 4.7
66.9 ± 3.9
DSDP-528 ODP-1263 ODP-1264 ODP-1266
ODP-1265
DSDP-529
DSDP-525
71.3 ± 0.8
72.0 ± 1.2
DSDP-524
68.65 ± 0.22
Peleg D10
Bildad D11A+B
DSDP-526
Dobrovol'skiy
Morgan
Narwhal D12 D13
57.41 ± 0.66
Bottlenose D14
67.18 ± 0.25
Daggoo D13
Mystic
61.84 ± 0.18
Bulkington D15 + D16
D15
D16
Elijah
66.75 ± 0.21
66.35 ± 0.22
Hosea D09
Beluga D08
Hussey
43.54 ± 0.13
Tashtego
D07
61.5 ± 0.6
Mayhew D17
Mapple D06 + D07
D06
50.3 ± 0.8
Moby Dick D18 + D19
D18
61.60 ± 0.19
Stubb
Fedallah D05
47.0 ± 0.2
39.29 ± 0.12
Rachel D22
64.1 ± 0.6
Boomer
D19
55.47 ± 0.19
4.26 ± 0.01
Queequeg D04
Orca
Wust D23
Humpback D20A+B
Isobella
33.4 ± 1.0
Pilot D21
Pequod D03
36.1 ± 1.0
D23
37.2 ± 0.4
38.5 ± 0.4
Ahab
Ishmael D01 + D02
36.53 ± 0.10
Coleridge D24
Gardiner
49.4 ± 0.7
D02
D01
Jeroboam
45.6 ± 0.1
DSDP-359
38.5 ± 1.0
Macey D26
D25
Bowhead
Gabriel D25
36.04 ± 0.10
Minke D28
Right D27
Wanderer D58
43.59 ± 0.17
Haviside D30 + D32 + D33A+B
33.92 ± 0.10
Concordia D59
42.50 ± 0.17
27.0 ± 0.1
Commerson D29 + D31
D30
D29 D31
D32
D33A+B
Contest D60
41.16 ± 0.16
Fin
26.7 ± 1.5
35.48 ± 0.14
Tristan da Cunha
Bryde D35
Nymph
Harpooner D56
27.7 ± 1.4
Sei D34
Spinner D41A+B+C
Whitby
D61
D62
Maybe D61 + D62
42.77 ± 0.16
1.4 ± 0.008
27.44 ± 0.07
Omura D36 + D37
Sowerby
Irrawady
Porpoise
Baffin D57
Unity
Valiant
37.1 ± 0.2
26.43 ±0.07
Hector D38
D36
D37
Clymene
Dusky D40
Providence
33.15 ± 0.13
Fraser
25.17 ± 0.06
D55
D54
Chance
Peggy D54 + D55
Peale
Risso D39
Hercules
Camden
Speedwell
13.25 ±0.04
Esk D42
Crawford D43A+B
D52
D53
Acushnet D52 + D53
12.01 ± 0.05
9.63 ± 0.02
Nautilous D47
Jahont D48
R.S.A. D49 + D51
19.76 ± 0.08
D51
Phoenix
Delight
D49
Perseverance
McNish
Grey D45 + D46
Blue D44
Gough
Prospect
Essex D50A+B
D46
D45
7.99 ± 0.04
6.17 ± 0.15
8.1 ± 0.1
0.58 ± 0.14
Zenker

New $^{40}Ar/^{39}Ar$ Ages [Ma] with 2σ error

33.4 ± 1.0 MV1203 Cruise
15.3 ± 0.2 Tristan da Cunha

Previous Ages [Ma] with 2σ error

33.4 ± 1.0 Rohde et al. 2012
15.3 ± 0.2 O'Connor and Le Roex 1992
37.2 ± 0.4 O'Connor and Duncan 1990
38.5 ± 1.0 Fodor et al. 1974 (K-Ar Age)

Rocks from Dredge were successfully Dated
Approximate Dredge Location

KM
0 104 208 312

-6500 -6000 -5500 -5000 -4500 -4000 -3500 -3000 -2500 -2000 -1500 -1000 -500 0
Depth [mbsl]