Longitude Latitude Average Age Average Error Feature Name

(Ma) (Ma)

-126 -16.8 9.0 0.2 10D

-160.25 5.83 76.4 0.5 123D-15

-160.4 9.1 78.7 1.3 128D-11

-164.4 8.3 71.5 3.1 130D

-169 14.45 55.6 2.1 137D

-131.5 -16 12.9 0.3 13D

-169 18 128.0 5.0 a142D

-169 19.5 88.1 0.4 143D-102

-167.95 -38.44 46.0 - b168.0W Guyot

-174.44 27.30 68.0 - b27.3S Guyot

-118.9 -17.4 7.1 0.4 2D

-171.24 33.95 54.0 - b33.9S Guyot

-169.76 36.93 45.0 - b36.9S Guyot

-118.5 -17.1 5.6 0.3 3D

-119 -17 7.4 0.7 4D

-122.5 -16.8 17.6 1.6 a7D

-125.5 -16.4 9.0 0.5 9D

174.3 31.8 41.5 0.9 Abbott

-159.75 -18.9 1.0 0.0 Aitutaki

-159.75 -18.9 8.4 0.3 Aitutaki

175 -11.7 23.2 0.2 Alexa

-179.7 18.5 101.2 0.8 Allison

-179.7 18.5 110.7 1.2 Allison (ODP 865)

-150.74 -23.43 0.2 0.0 Arago smt.

-150.74 -23.43 8.2 0.7 Arago smt.

-151.5 -19.25 35.9 0.5 Ari'i Moana

-158.1 -20 8.1 0.1 Atiu

-141.22 -28.12 31.3 0.7 Aureka

-158.83 26.58 74.5 1.5 Bach

-140 -7.9 5.3 0.3 Banc Jean Goguel

-151.75 -16.5 3.3 0.0 Bora Bora

-135.6 53.3 0.1 0.1 Bowie

-162.3 31.22 89.7 0.6 Brahms

-130.83 46.75 3.3 0.3 Cobb

175.9 30.9 38.8 0.3 Colahan

-177.4 -12.7 11.1 0.1 Combe

-177.52 -12.45 13.5 - bCombe Reef

-158 18.8 84.6 3.8 Cross

-122 -25 8.2 0.2 Crought

-173.25 -30.1 61.4 0.5 Currituck (Sotw9-48)

172.3 32.1 46.7 2.3 Daikakuji

-137.4 54 18.2 2.1 Denson

167.4 51 75.8 0.6 Detroit (1203)

-138.5 -10.8 0.8 0.1 Dh-12

-139.15 -10.1 1.8 0.0 Dh19

-136.9 54.6 4.0 0.2 Dickins

179.5 33.2 87.1 0.5 DM23-1922-08

-158.5 4.2 91.2 2.7 DSDP-site315

-139.73 -9.66 2.6 0.2 Dumont D'Urville (Dh21)

-169.2 15.5 68.2 0.2 East Keli (SO33 D43)

-161.6 25.18 78.5 0.9 East Mendelssohn

-140.67 -8 5.5 0.1 Eiao

-133.09 48.29 8.4 0.3 Eickelberg

-139.42 -27.68 26.0 1.2 Evelyn

-131.03 48.96 0.3 0.3 Explorer

-154.1 -18.95 43.5 0.6 Fafa Piti

-138.7 -22.2 10.1 0.0 Fangataufa

-138.6 -10.5 1.3 0.0 Fatu Hiva

-138.77 -10.43 1.2 0.0 Fatu Hiva (Dh16)

-138.8 -10.5 1.7 0.1 Fatu Hiva (Dh17)

-138.92 -9.43 2.6 0.1 Fatu Huku

-127.5 -32.51 18.2 0.2 FHDR1-3

-174.62 -12.25 4.2 0.3 Field

-135 -23.2 5.8 0.0 Gambier

-146.6 56.5 21.0 0.4 Giacomini

-131.45 47.14 1.6 1.4 Gluttony

-156.2 20.6 0.8 0.0 Haleakala

-165.8 32.5 94.0 1.1 Hammerstein

-140.59 -7.9 4.8 0.1 Hatutaa (Hatutu)

-161.2 26.63 75.1 1.2 Haydn

173.8 21.2 123.1 0.6 Heezen

-140 -27.48 22.5 1.5 Herema

179.2 6.3 83.1 0.3 Hess (DSDP 465A)

-139 -9.75 2.4 0.0 Hiva Oa

-136 53.5 2.8 0.1 Hodgkins

-136 53.5 14.2 1.5 Hodgkins

-168.75 19.5 82.5 0.4 Horizon guyot

-142.6 50.3 20.8 1.1 Horton

-151 -16.7 2.2 0.0 Huahine

176.7 19.4 98.5 1.4 Jacqueline

171.2 38.4 55.4 0.9 Jingu

-169.5 16.4 71.0 0.2 Johnston atoll

-156.6 20.5 1.0 0.2 Kahoolawe

-158.4 23.3 80.5 1.6 Kaluakalana

-165.8 12.1 84.4 0.9 Kapsitotwa (133D)

-168.6 17 84.8 0.2 Karin Ridge

-159.5 22 5.1 0.2 Kauai

-162.2 28.1 82.3 2.5 Khatchaturian

-155.25 19.4 0.0 - Kilauea

171.6 33.7 47.3 1.2 Kimmei

-162.9 6.3 69.8 0.3 Kingman Reef (SO33 D29)

-177.85 26.5 86.4 0.6 KK71-20-8

-179.75 31.1 93.4 0.6 KK71-65-24

-149.2 56.9 23.8 0.4 Kodiak

-155.75 20.1 0.4 0.0 Kohala

171.67 35.1 50.6 0.8 Koko

-166.3 23.6 12.0 0.4 La PÇrouse Pinnacle

-175.63 -13 1.6 0.1 Lalla-Rookh

-175.63 -13 9.8 0.3 Lalla-Rookh

-157 20.8 1.3 0.0 Lanai

-172 25.7 19.9 0.3 Laysan

172.4 5.6 68.2 0.5 Limalok (Harrie)

-162 29 84.4 1.5 Liszt

-155.26 18.93 0.0 - Loihi

169.8 8.9 87.3 0.6 Lokkworkwor (Erikub)

-151.04 -22.56 54.8 0.8 Lotus bank

-131.5 47.5 4.4 1.0 Lust

-140.2 -29 0.0 - Macdonald

-177 7 139.0 - Magellan Rise

-165.1 31.63 91.5 0.5 Mahler

-140.22 -28.53 25.6 1.0 Make

-157.9 -21.9 19.4 0.3 Mangaia

-162.3 -11 106.0 3.5 Manihiki (DSDP317)

-169.6 -14.2 0.0 - Manu'a

-143.5 -27.9 32.0 0.8 Marotiri

-143.5 -27.9 3.8 0.2 Marotiri

-157.35 -20.12 5.4 0.1 Mauke

-155.5 19.75 0.4 0.1 Mauna Kea

-152.25 -16.45 4.2 0.0 Maupiti

-157.2 18.8 82.7 0.5 McCall

-148 -17.9 0.1 0.0 Mehetia

-177.3 28.3 27.7 0.6 Midway

-144.4 53.5 26.4 1.9 Miller

-144.4 53.5 7.8 0.1 Miller

-157.7 -19.9 12.3 0.4 Mitiaro

-156.7 21.2 1.8 0.1 Molokai

-149.8 -17.5 1.5 0.0 Moorea

-139 -21.87 11.1 0.0 Moruroa

-138.8 -10 2.2 0.1 Motane

-138.54 -10.4 1.3 0.1 Motu Nao

-148.61 -17.35 0.2 0.0 Moua Pihaa

-148.8 -48.2 13.2 0.2 Mthn6

-139.2 -50.43 1.1 0.0 Mthn7

-148.5 53.9 27.4 0.2 Murray

-167 12.5 85.0 1.1 Nagata (RD59-12)

-169 12.57 85.0 - bNagata Seamount

-141 -14.5 27.5 0.4 Napuka-19D

-164.5 23.5 10.3 0.4 Necker

-167.9 21.5 82.4 3.7 Necker Rise (144D)

-146.17 -27.02 39.5 0.6 Neilson bank

-162 23 7.2 0.3 Nihoa

170.2 41.2 55.6 0.2 Nintoku (1205)

-172 25.3 26.6 2.7 Northampton Bank

-140.1 -8.9 3.7 0.0 Nuku Hiva

-167 34 95.8 0.5 NW Cluster

-157.8 21.4 2.6 0.1 Oahu

170.3 37.5 55.2 0.7 Ojin

-143.15 -27.03 33.9 0.6 Opu

-175 -26 77.3 0.7 Osbourn (Sotw9-58)

-143.3 50.9 23.2 0.1 Pathfinder

-150.3 54.6 29.2 0.3 Patton

-157.1 24.9 65.5 4.3 Paumakua

-175.9 27.9 20.6 0.5 Pearl and Hermes reef

-129.4 -25.33 0.0 - Pitcairn Hotspot

-130.1 -25.07 0.6 0.0 Pitcairn Is.

-138.5 -14.9 21.9 0.2 Pukapuka-18D

-141.12 -28.76 29.2 0.6 Ra

-163.37 29.33 86.4 1.5 Rachmaninoff

-151.45 -16.8 2.5 0.0 Raiatea

-147.7 -23.9 6.3 0.0 Raivavae

-147.82 -24.18 32.7 0.5 Raivavae

-144.3 -27.6 4.6 0.1 Rapa

-159.8 -21.2 1.4 0.0 Rarotonga

-157.35 2.1 35.5 0.9 RD41-1

-155.28 0.7 59.0 0.8 RD43-1

-150.4 -9 70.5 1.1 RD45-26D

-149 -15 47.4 0.9 RD52-1

-149 -15 41.8 0.9 RD52-2

-166.5 15 82.3 0.6 RD61-1

-168.22 16.5 86.0 0.9 RD63-7

176.1 17.8 89.0 10.0 Renard

174.5 21.2 127.6 2.1 Resolution (ODP 866)

-148.6 -17.64 0.2 0.0 Rocard

-151.3 -22.45 10.5 0.1 Rurutu

-151.3 -22.45 1.1 0.0 Rurutu

-164.23 8.30 72.0 - SP Lee

-159.9 25.95 83.0 1.0 Schumann

-162.3 19.3 0.7 0.1 SEAMOUNT\_14

-131.7 47.62 5.2 0.3 Sloth

-161.55 9.27 79.0 - bSMNT-093N-1606W

-167.01 15.03 82.0 - bSMNT-150N-1666W

-166.57 16.63 79.0 - bSMNT-166N-1683W

-130.76 -32.94 21.2 0.1 SO100-11DS

-126 -32.48 16.3 0.2 SO100-18DS

-124.11 -33.53 12.9 0.3 SO100-26DS

-124.91 -33.69 8.8 0.1 SO100-28GTV

-122.37 -34.12 12.5 0.1 SO100-33DS

-121.98 -34.32 11.6 0.1 SO100-38DS

-121.55 -34.87 11.6 0.1 SO100-41DS

-120.72 -35.05 13.4 0.1 SO100-45DS

-120.41 -34.96 10.4 0.1 SO100-46DS

-119.11 -35.56 9.4 0.1 SO100-50DS

-118.55 -35.12 8.4 0.1 SO100-54DS

-118.09 -35.38 7.7 0.1 SO100-56DS

-116.65 -35.45 7.2 0.1 SO100-59DS

-117.2 -35.45 7.6 0.5 SO100-60DS

-117.44 -35.8 7.7 0.1 SO100-63DS

-115.66 -35.79 4.7 0.1 SO100-66DS

-115.99 -36.03 6.2 0.1 SO100-67DS

-115.28 -36.56 5.1 0.1 SO100-69DS

-113.93 -36.35 3.7 0.1 SO100-70DS

-113.47 -36.68 2.1 0.1 SO100-71DS

-165 9 69.4 0.3 SO33 D49

-171 20 73.5 0.1 SO33 D72

-170 14 68.1 0.2 SO37 D10

-174.2 -27.28 68.9 0.6 Sotw9-52

-161.5 8.1 39.3 1.5 Stanley (RD33)

-164.22 7.84 24.0 - bStanley\_Guyot

170 44 61.3 1.1 Suiko

-151.5 -16.6 2.9 0.0 Tahaa

-149.2 -17.8 0.5 0.0 Tahiti-iti

-149.4 -17.6 0.8 0.1 Tahiti-nui

-149.5 -17.5 2.0 0.2 Tahiti-nui (under sealevel)

-139.1 -10 1.9 0.0 Tahuata

-148.84 -17.52 0.2 0.0 Teahitia

-128.63 46.03 3.2 1.3 Thompson

-149.5 -23.4 9.1 0.1 Tubuai

-151.8 -16.25 3.7 0.1 Tupai

-170.67 -14.3 1.2 0.0 Tutuila

-139.5 -8.9 1.9 0.1 Ua Huka

-140.15 -9.4 2.6 0.1 Ua Pou

-140.2 -9.2 3.3 0.1 Ua Pou (Dh24)

-132.73 49.55 5.8 0.7 Union

-133.22 48.28 7.7 0.3 unnamed

-172.27 -14.96 1.0 - bUo Mamae

-171.67 -14 2.3 0.0 Upolu

-169.05 -14.2 0.0 - Vailulu'u

-164.2 -41.61 36.5 0.4 Valerie (VG3a)

-165.35 -40.8 33.7 0.3 Vm2

-167.7 -38.32 46.2 1.3 Vm3

-169.8 -36.95 46.3 0.9 Vm4

-171.2 -33.94 53.5 2.6 Vm5

-151.5 -7.5 71.9 1.4 Wageman (RD44-3)

-135 -15.5 11.5 0.1 Wahoo-15D

-176.32 -13.1 0.8 0.0 Wallis

-176.19 -13.32 1.0 - bWallis Guyot

-132.45 48.03 7.0 0.1 Warwick

-140.3 55 14.9 0.4 Welker

-170.4 15.7 71.3 0.2 West Keli (SO33 D28)

-156 20.8 1.3 0.0 West Maui

-161.95 25.13 82.4 1.3 West Mendelssohn

167.6 13.9 78.6 0.9 Woden-kopakut (Ratak)

172 32.7 43.4 1.6 Yuryaku

-150.24 -20.72 58.1 0.8 ZEP2-1

-153.11 -22.48 2.6 0.1 ZEP2-12

-148.93 -26.4 8.8 0.1 ZEP2-19

-146.3 -25.83 28.0 0.4 ZEP2-26

-151.53 -22.34 12.2 0.2 ZEP2-7

aSeamount data not used in analysis due to seamount age older than basement age.

bData obtained from Earthref Seamount Catalog (ref). All other seamount data are from Clouard and Bonneville (2005).