

UNIVERSITY OF CALIFORNIA  
SCRIPPS INSTITUTION OF OCEANOGRAPHY

MIDPAC EXPEDITION

August - September 1950

LIST OF CORES AND DREDGE SAMPLES

Depths Corrected by Matthews' Tables

R/V HORIZON

Note: Positions are the best available.

RECORD NO. 5002

- MP-3 1 August 1950, 1145-approx. 1530 hrs.; 20°51'N, 127°16'W; depth 4702 m; core length 754 cm. Chocolate brown clay.
- MP-5 5 August 1950, 0723-approx. 1500 hrs.; 14°22'N, 133°07'W.  
Three cores:  
1) Depth 4990 m; core length 43 cm. White, very firm calcareous ooze.  
2) Depth 4816 m. Brown clay with Mn nodules.  
3) Depth 5023 m; core length 40 cm. Dark brown to brown clay and ash.
- MP-6 6 August 1950, 1430 hrs.; 13°38'N, 133°45'W; depth 4889 m; core length approx. 76 cm. Reddish brown mottled clay.
- MP-7-1 7 August 1950, 0750 hrs.; 12°47'N, 134°27'W; depth 4794 m; core length 124 cm.
- MP-7-2 7 August 1950, approx. 1000 hrs.; 12°48'N, 134°26'W; depth 4889 m; core length 106 cm. Soft, light buff colored mud.
- MP-10-1 11-12 August 1950, approx. 2235-approx. 0200 hrs.; 4°35'N, 139°58'W; depth 4451 m; core length 97 cm. Calcareous ooze.
- MP-10-2 12 August 1950, approx. 0300-0445 hrs.; 4°37'N, 140°00'W; depth 4478 m; core length 89 cm. Light buff to grayish brown foraminiferal ooze.
- MP-11 12 August 1950, approx. 1915-2250 hrs.; 4°39'N, 140°03'W; depth approx. 4490 m.
- MP-13 15 August 1950, approx. 0005-approx. 0630 hrs.; 9°09'N, 144°26'W; depth 5233 m. Two cores. Core MP-13-2, 113 cm. long. Buff and brown layered mud.
- MP-14 15 August 1950, 1311-1530 hrs.; 9°58'N, 145°13'W; depth 5127 m; core length 89 cm.
- MP-15 16 August 1950, 1745 hrs.; 10°44'N, 145°53'W; depth 5368 m; core length 91 cm. Brown, gray and light yellow mud and ash.
- MP-16-1 18 August 1950, approx. 0240- approx. 0630 hrs.; 13°45'N, 149°15'W; depth 4564 m; core length approx. 25 cm. Grayish brown muddy silt with volcanics, Mn nodule and shell fragments. Core slipped out of liner. Near top of deep seamount.
- MP-16-2 18 August 1950, 0800-1045 hrs.; 14°01'N, 149°21'W; depth 5137 m. A handful of blackish pebbles in a gray-brown mud matrix.
- MP-17-1 19 August 1950, approx. 1700 hrs.; 14°40'N, 151°55'W; depth 5833 m.

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- MP-17-2 19 August 1950, 1903-2250 hrs.; 14°38'N, 151°58'W; depth 5811 m; core length 119 cm. Reddish brown mud at top to grayish green mud at bottom.
- MP-18A-1,2 21 August 1950, 0835-0915 hrs.; 19°46'N, 154°48'W; depth approx. 375 m. Core lengths: 1) 19 cm; 2) 12 cm. Dark colored silty sand.
- MP-18B-1 21 August 1950, 1220-1230 hrs.; 20°02'N, 155°11'W; depth 358 m; core length approx. 15 cm.
- MP-18B-2,3 21 August 1950, 1248 hrs.; 20°02'N, 155°11'W; depth 351 m. Core lengths (both) approx. 61 cm. Both, silty sand above to mud below.
- MP-19 21-22 August 1950, 2157-0000 hrs.; approx. 20°10'N, approx. 154°43'W; depth 5584 m. Small amount of silt and sand.
- MP-20-1 22 August 1950, 1055 hrs.; approx. 20°27'N, approx. 154°55'W; depth 5233 m.
- MP-20-2 22 August 1950, approx. 1115-1330 hrs.; position approx. same as MP-20-1; depth 5061 m; core length approx. 61 cm. Brown, silty mud at top, black sand at bottom.
- MP-21-1 27 August 1950, 1309-1525 hrs.; approx. 20°45'N, approx. 160°00'W; depth 4659 m; core length 150 cm. Uniform brown clay.
- MP-21-2 27 August 1950, 2200-2329 hrs.; approx 20°47'N, approx. 159°59'W; depth 4659 m; core length 152 cm.
- MP-23 29-30 August 1950, 2340-0135 hrs.; approx. 19°53'N, approx. 164°30'W; depth 5043 m; core length 37 cm. Brown mud at top, brownish black ash at bottom.
- MP-24 30-31 August 1950, 2230-0140 hrs.; approx. 19°45'N, approx. 166°50'W; depth 5156 m; core length 122 cm. Brown clay at top, ash at bottom.
- MP-25A 1 September 1950, approx. 1330 hrs.; 19°02'N, 169°42'W; depth 1602 m; core length 72 cm. White foraminiferal ooze.
- MP-25B 1 September 1950, 1935-2154 hrs.; 19°10'N, 169°49'W; depth 1871 m. About 10 g. foraminiferal sand and Mn (?) grains. Horizon Guyot.
- MP-25C 1 September 1950, 2215-2340 hrs.; 19°07'N, 169°48'W; depth 1675 m; core length 15 cm. Grayish white foraminiferal ooze and pumice fragments. Horizon Guyot.
- MP-25D 2 September 1950, 0020 hrs.; 19°05'N, 169°46'W; depth 1660 m. Small amount of foraminiferal sand. Horizon Guyot.

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- MP-25E-1 2 September 1950, 0310-0414 hrs.; 19°02'N, 169°44'W; depth 1733 m; core length 78 cm. White to brown foraminiferal ooze with pumice at bottom. Horizon Guyot.
- MP-25E-2 2 September 1950, 0420-0454 hrs.; 19°02'N, 169°44'W; depth 1768 m; core length 71 cm. White foraminiferal ooze. Horizon Guyot.
- MP-25F-1 2 September 1950, 0630-0759 hrs.; 19°07'N, 169°44'W; depth 1768 m. Dredge: 3 or 4 large "plates" of manganese, some chips of Mn, volcanic ? rock, a sponge skeleton and a crinoid cup. Horizon Guyot.
- MP-25F-2 2 September 1950, approx. 0900-1220 hrs.; 19°07'N, 169°44'W; depth 1741-1786 m. Dredge: large and small plates and nodules of manganese, a siliceous sponge and large pieces of weathered volcanic ? rock typically covered with manganese. Horizon Guyot.
- MP-26A-1 3 September 1950, 0320-0403 hrs.; approx. 19°25'N, 171°00'W; depth 1276 m. Small amount of Mn fragments and foraminiferal sand. Core nose and end of barrel badly damaged. On top of Guyot 19171.
- MP-26A-2 3 September 1950, 0435-0630 hrs.; approx. 19°25'N, 171°00'W; depth 1258- 1267 m. Dredge: 3 small pieces of manganese.
- MP-26A-3 3 September 1950, 0640-0835 hrs.; approx. 19°25'N, 171°00'W; depth 1340-1434 m. Dredge: 3 large Mn-covered rocks and many small Mn nodules.
- MP-26B 3 September 1950, 0922-1120 hrs.; "2 mi. 075° fr. MP-26A-3"; depth 1304-1322 m. Dredge: some Mn fragments, a fragment of siliceous sponge and a small pebble.
- MP-27-1 4 September 1950, 1100-1300 hrs.; 19°34'N, 171°54'W; depth 3834 m; core length 59 cm. Alternating foraminiferal ooze and brown clay with gravel at top and bottom.
- MP-27-2 4 September 1950, 1331-1900 hrs.; 19°34'N, 171°54'W; depth 3833 m; core length 96 cm. Foraminiferal ooze, brown clay and fine gravel. (Piston core.)
- MP-27-2P Simultaneously with MP-27-2. Core length 91 cm. Foraminiferal ooze, brown clay, coarse sand and fine gravel. (Phleger core.)
- MP-28 5 September 1950, 0050-0315 hrs.; approx. 19°40'N, 171°35'W; depth 2242-2176 m. Pipe dredge: foraminiferal ooze; main dredge: a few small Mn nodules.
- MP-29 6 September 1950, 1408-1638 hrs.; 18°04'N, 173°11'W; depth 4602 m; core length 19 cm. Brown sand.

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- MP-30 6 September 1950, 2005-2157 hrs.; 18°27'N, 173°14'W; depth 4003 m; core length 63 cm. Brown clay.
- MP-31 7 September 1950, 0602 hrs.; 18°31'N, 173°17'W; depth 2701 m; core length 21 cm. Uniform brown clay.
- MP-32 7 September 1950, 1751-1920 hrs.; 18°20'N, 173°23'W; depth 3950 m; core length 76 cm. Uniform brown clay with Mn nodule at top.
- MP-33A 8 September 1950, 1503-1730 hrs.; 17°48'N, 174°18'W; depth 1786-1744 m. Pipe dredge: foraminiferal ooze; main dredge: moderately consolidated beach ? limestone. S.W. side of Hess Guyot.
- MP-33B 8 September 1950, 1855-2140 hrs.; 17°47'N, 174°20'W; depth 1750-1722 m. Dredge: foraminiferal ooze and 3 small fragments of rock. Near the center of Hess Guyot.
- MP-33C 8-9 September 1950, 2210-0130 hrs.; 17°49'N, 174°17'W; depth 1693-1711 m. Dredge: Many large and small soft lumps of calcareous "rock", gastropod shells, worm tubes, foraminiferal sand; some "rocks" Mn coated; and some Mn coated volcanic ? rock. Near the top of Hess Guyot.
- MP-33D 9 September 1950, 0213-0417 hrs.; 17°54'N, 174°16'W; depth 1825-1779 m. Pipe dredges: clean, gray, foraminiferal sand and chips of Mn; main dredge: about 30 lbs. of white, medium-grained gastropod limestone and Mn crust. North side of Hess Guyot.
- MP-33E 9 September 1950, 0500-0549 hrs.; 17°48'N, 174°12'W; depth 2064 m; core length 12 cm. Foraminiferal ooze with Mn grains. On a steep slope of Hess Guyot.
- MP-33F 9 September 1950, 0618-0648 hrs.; 17°50'N, 174°15'W; depth 1754 m; core length 40 cm. Brownish gray to gray foraminiferal ooze. Near center of Hess Guyot.
- MP-33G 9 September 1950, 0718-0748 hrs.; 17°52'N, 174°19'W; depth 1763 m; core length 97 cm. Foraminiferal ooze. Near center of Hess Guyot.
- MP-33H 9 September 1950, 0828-0907 hrs.; 17°53'N, 174°27'W; depth 1737 m; core length 54 cm. White and gray foraminiferal ooze. Near west side of Hess Guyot.
- MP-33I 9 September 1950, 1030-1330 hrs.; 17°48'N, 174°19'W; depth 1775-1711 m. Dredge: 2 gals. foraminiferal ooze with Mn-coated gastropod fragments and 2 solitary corals. Across break in slope of Hess Guyot.
- MP-33-J 9 September 1950, 1510 hrs.; 17°48'N, 174°22'W; depth 1849 m. No core.

- MP-33K 9 September 1950, 1830-2159 hrs.; 17°48'N, 174°22'W; depth 2328-1843 m. Dredge: reef coral, echinoid test, pelecypod and gastropod fragments, and limestone. Southwest side of Hess Guyot.
- MP-33L 9-10 September 1950, 2330-0025 hrs.; 17°51'N, 174°17'W; depth 1750 m; core length 43 cm. Buff to grayish brown foraminiferal sand. Near center of Hess Guyot.
- MP-34 10 September 1950, 1630-2135 hrs.; 18°38'N, 175°03'W; depth 1059 m. Dredge: fossil solitary coral. Sharp, uneroded peaks on north side of Mid-Pacific range.
- MP-35-1 11 September 1950, 0409-0621 hrs.; 19°21'N, 174°58'W; depth 5080 m; core length 75 cm. Uniform chocolate brown clay. Flat bottom on north side of Mid-Pacific range.
- MP-35-2 11 September 1950, 1815- approx. 2200 hrs.; 19°21'N, 174°58'W; depth 4984 m; core length 376 cm. Chocolate brown clay throughout. Flat bottom on north side of Mid-Pacific range.
- MP-36G 13 September 1950, 1713-2247 hrs.; 16°48'N, 176°27'W; depth 5176 m; core length 79 cm. Light to dark brown clay. Flat bottom of south side of Mid-Pacific range.
- MP-36P Simultaneously with MP-36G. Core length 330 cm. Light to dark brown clay throughout.
- MP-37A 14 September 1950, 1810-2028 hrs.; 17°04'N, 177°15'W; depth 2046-1861 m. Dredge: One small jar of foraminiferal ooze, a large Mn-coated rock (sandstone?), fossiliferous Mn-coated rock, fragments of Mn and Mn-coated rock fragments. Up slope on Cape Johnson Guyot.
- MP-37B 14 September 1950, 2115-2325 hrs.; 17°07'N, 177°17'W; depth 1916-1732 m. Dredge: about 2 gals. sandy foraminiferal ooze and one cetaceous earbone. Toward break in slope on Cape Johnson Guyot.
- MP-37C 15 September 1950, 0040-0420 hrs.; 17°10'N, 177°10'W; depth 2083-1946 m. Dredge: about 200 lbs. of Mn-coated broken rock pieces, silicified limestone with poorly preserved large gastropods and coral, a small Tridacna-like form; weathered surfaces red, broken surfaces white and gray. About 400 g. of sandy foraminiferal ooze and 2 Mn nodules in pipe dredge. Toward break in slope of Cape Johnson Guyot.
- MP-37D 15 September 1950, 0440-0721 hrs.; 17°10'N, 177°10'W; depth 1991-2083 m. Dredge: no sample. East side of Cape Johnson Guyot.
- MP-37E 15 September 1950, 0802-0845 hrs.; 17°08'N, 177°16'W; depth 1829 m; core length 61 cm. Sandy foraminiferal ooze. Below break in slope of Cape Johnson Guyot.

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- MP-37F 15 September 1950, 0908-0937 hrs.; 17°08'N, 177°16'W; depth 1825 m; core length 66 cm. Foraminiferal ooze. Near center of Cape Johnson Guyot.
- MP-37G 15 September 1950, 1013-1105 hrs.; 17°07'N, 177°18'W; depth 1922 m; core length 26 cm. Foraminiferal ooze. Below break in slope on Cape Johnson Guyot.
- MP-37H(I) 15 September 1950, approx. 1600- approx. 1800 hrs.; 17°05'N, 177°13'W; depth 1845 m; core length 275 cm. Just below break in slope on Cape Johnson Guyot.
- MP-38 16 September 1950, 0800-1100 hrs.; 19°02'N, 177°18'W; depth 4852 m; core length 383 cm. Dark chocolate brown clay. Flat bottom on north side of Mid-Pacific range. (Piston core.)  
Phleger core (labelled MP-38P) simultaneously with piston core: core length 84 cm. Upper approx. 5 cm. foraminiferal ooze, remainder chocolate brown clay with 1½ cm. layer of foraminiferal ooze at 61 cm. Flat bottom on north side of Mid-Pacific range.
- MP-39 16 September 1950, 1257 hrs.; approx. 19°02'N, 177°18'W; depth 4975 m; core length 81 cm. Uniform moderate brown clay with small Mn nodules.
- MP-40-1 19 September 1950, 1405-1650 hrs.; approx. 15°35'N, 177°30'E; depth 4184 m; core length 386 cm. Calcareous ooze and brown clay.
- MP-40-2 19-20 September 1950, 2345-0105 hrs.; approx. 15°32'N, 177°32'E; depth 4237 m.
- MP-42 22 September 1950, 1435-1756 hrs.; approx. 12°48'N, 168°29'E; depth 4946 m; core length 202 cm. Brown clay, volcanic ash and calcareous ooze.
- MP-43A 25 September 1950, 0830-1106 hrs.; 12°09'N, 164°41'E; depth 1916-1509 m. Dredge: about 200 lbs. of Mn coated volcanic ? rock. Sylvania Guyot.
- MP-43B 25 September 1950, 1210-1449 hrs.; 12°03'N, 165°00'E; depth 2125-1529 m. Main dredge: Mn crust and chips; Mn-coated gray tuff breccia; Pipe dredge: 1 quart foraminiferal sandy ooze. Sylvania Guyot.
- MP-43C 25 September 1950, 1616-2017 hrs.; 12°03'N, 164°57'E; depth 2139-1578 m. Dredge: Mn-coated volcanic rock fragments and 1 pint of foraminiferal sand. Sylvania Guyot.
- MP-43D 25-26 September 1950, 2200-0139 hrs.; 11°57'N, 164°59'E; depth 2139-1527 m. Dredge: Mn-encrusted brown, dense basalt and green tuff breccia; rhyolite pumice; Mn crust and chips; 3 pints of coarse foraminiferal ooze. Sylvania Guyot.

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- MP-43E 26 September 1950, 0258-0802 hrs.; 11°47'N, 165°11'E; depth 2138-1602 m. Dredge: gray basalt with feldspar phenocrysts; freshly broken brown basalt with Mn crust; 2 quarts coarse foraminiferal ooze. Sylvania Guyot.
- MP-43G 26 September 1950, 1453-1600 hrs.; 11°58'N, 165°01'E; depth 1324 m; core length 35 cm. White foraminiferal ooze. Sylvania Guyot.
- MP-43H 26 September 1950, approx. 1847 hrs.; 12°03'N, 164°49'E; depth 1545 m. Two attempts: No sample. Sylvania Guyot.
- MP-43I 26 September 1950, 2034-2135 hrs.; 12°05'N, 164°50'E; depth 2423 m; core length 35 cm. Buff to gray foraminiferal ooze. Sylvania Guyot.
- MP-43J 26 September 1950, 2213-2340 hrs.; 12°07'N, 164°52'E; depth 3361 m. Reddish brown foraminiferal ooze and clay with Mn nodule. Sylvania Guyot.
- MP-43K 27 September 1950, 0010-0159 hrs.; 12°11'N, 164°54'E; depth 4313 m; core length 76 cm. Brown clay. Sylvania Guyot.
- MP-43L 27 September 1950, approx. 0300-1016 hrs.; 12°18'N, 164°59'E; depth 4803 m. Gravity core length 61 cm, light brown clay. Piston core length 544 cm, uniform light brown clay. Sylvania Guyot.
- MP-44A 28 September 1950, 0110-0233 hrs.; 11°16'N, 165°30'E; depth 3765 m; core length 71 cm. Foraminiferal ooze. Southeast of Bikini Atoll.
- MP-44B 28 September 1950, 0315- approx. 0400 hrs.; 11°23'N, 165°31'E; depth 2889 m; core length 28 cm. Foraminiferal ooze above, reddish colored acid volcanic rock. Southeast of Bikini Atoll.
- MP-44C-1 28 September 1950, 0500-0600 hrs.; 11°28'N, 165°32'E; depth 1732 m. A few fragments of Halimeda and other calcareous debris. Three miles off Ennu Island, Bikini Atoll.
- MP-44C-2 28 September 1950, 0615-0645 hrs.; 11°28'N, 165°32'E; depth 1933 m. About 2 oz. foraminiferal ooze and calcareous fragments.
- MP-44D 28 September 1950, 1125- approx. 1150 hrs.; 11°29'N, 165°32'E; depth 1174 m; core length 7 cm. Broken coral. Southeast of Bikini Atoll.
- MP-44E 28 September 1950, 1218-1229 hrs.; approx. 11°30'N, 165°33'E; depth 329 m. Approx. 50 g. of coral and Halimeda. Southeast of Bikini Atoll.
- MP-44F 28 September 1950, 1258-1316 hrs.; approx. 11°31'N, 165°34'E; depth 756 m; core length 5 cm. Coral fragments. Southeast of Bikini Atoll.



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- MP-44G 28 September 1950, 1325-1335 hrs.; approx. 11°31'N, 165°35'E; depth 132 m; core length approx. 2.5 cm. Halimeda, Lithothamnia and coral. Southeast of Bikini Atoll.
- MP-44H 28 September 1950, 1350 hrs.; 11°31'N, 165°36'E; depth 1397 m. Approx. 1 g. Halimeda fragments, echinoid spines and plates, other calcareous debris. Southeast of Bikini Atoll.
- MP-44I 28 September 1950, 1452-1600 hrs.; 11°31'N, 165°37'E; depth 1861 m. A subangular fragment of Mn-coated pumice, some smaller grains of Mn and a little calcareous sand. Southeast of Bikini Atoll.
- MP-44J 28 September 1950, 1619- approx. 1700 hrs.; 11°32'N, 165°39'E; depth 2918 m. About 10g. Mn crust. Southeast of Bikini Atoll.
- MP-44K 28-29 September 1950, 1852-0000 hrs.; 11°32'N, 165°57'E; depth 4410 m. Fresh coral fragments to 1" and pieces of slightly cemented foraminiferal ooze. Southeast of Bikini Atoll.
- MP-44L 29 September 1950, 0125-0320 hrs.; 11°27'N, 165°51'E; depth 4487 m. A few grains of foraminiferal ooze and a small amount of Mn crust. Southeast of Bikini Atoll.
- MP-45 30 September 1950, approx. 0330 hrs.; 9°57'N, 166°54'E; depth 4593 m; core length approx. 12 cm. Reddish foraminiferal ooze. Between Bikini and Kwajalein atolls.

A Guide to MIDPAC Bottom  
Sampling Locations (approximate)

