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UNIVERSITY OF CALIFORNIA

SCRIPPS INSTITUTION OF OCEANOGRAPHY

MONSOON EXPEDITION

August 1960 - April 1961

LIST OF CORES AND DREDGE SAMPLES

Copied from Shipboard Logs.

Depths corrected by Matthews' Tables.

Second Edition

Completed and corrected

MSN 1V: 29 Aug. 1960, 1504-1700 hrs.; 23°15'N, 130°46'W; depth 4930 m.: length 11cm.; brown clay.

MSN 2G: 29 Aug. 1960, 1800-1945 hrs.; 23°15'N, 130°46'W; depth 4950m; length 120 cm.; light brown mud.

MSN 2P: Simultaneously with 2G. Section 1 (bottom of core), 87 cm.; section 2, 86 cm.: section 3, 85 cm.; section 4, 87 cm.; section 5, 88 cm.; section 6, 85 cm.; section 7, 86 cm.; section 8, 87 cm.; section 9, 88 cm.; section 10, 86 cm.; section 11, 87 cm. Brown clay.

MSN 3G: 30 Aug. 1960, 2020-2200 hrs.: 20°01'N, 135°12'W; depth 5220 m.; length 136 cm.; light brown mud. Hilly topography.

MSN 3V: 30 Aug. 1960, 2230-0030 hrs.; 20°01'N, 135°12'W; depth 5180 m.; length 11 cm.; light brown mud. Flat bottom.

MSN 4G: 31 Aug. 1960, 2245-0010 hrs.; 16°55'N, 139°18'W; depth 5355 m.; length 150 cm.; brown mud. Flat bottom.

MSN 5G: 2 Sept. 1960, 0416-0545 hrs.: 13°15'N, 144°04'W; depth 5040 m.; length 108 cm.; brown clay. Rolling hilly topography.

MSN 6G: 18 Sept. 1960, 1040-1200 hrs.: 18°09'N, 159°24'W: depth 4985 m.; length 46 cm.; grey-brown clay. On slight slope.

MSN 7G: 19 Sept. 1960, 1050-1230 hrs.; 14°09'N, 161°08'W; depth 5652 m.; length 152 cm.; brown clay with Mn nodules and shark tooth at top.

MSN 7P: Simultaneously with 7G. Section 1 (bottom of core), 74 cm.; section 2, 77 cm.; section 3, 76 cm.: section 4, 75 cm.: section 5, 78 cm.; section 6, 71 cm.; section 7, 75 cm.; section 8, 73 cm.; section 9, 80 cm.: section 10, 78 cm.: section 11, 78 cm; section 12, 34 cm. Brown clay with Mn nodules.

MSN 8G: 20 Sept. 1960, 1846-1913 hrs.; 10°02'N, 165°29'W: depth 1583 m. A smear of calcareous sediment.

MSN 9G: 21 Sept. 1960, 0752-0930 hrs.; 8°29'N, 167°12'W; depth 5142 m.; core length 165 cm.; brown mud with lighter spots. Slightly rolling topography.

MSN 10G: 21 Sept. 1960, 1949-2113 hrs.; 7°36'N, 168°06'W; depth 4994 m.; core length 173 cm.; light brown clay with 1" Mn nodule at top. Gentle hills.

MSN 11G: 22 Sept. 1960, 0950-1440 hrs.; 6°04'N, 169°58'W; depth 5400 m.; core length 102 cm.; brown mud with 1" Mn nodule at top. Irregular topography.

MSN 12G: 23 Sept. 1960, 1250-1430 hrs.; 3°01'N, 174°02'W; depth 5230 m.; core length 165 cm.; brown clay with small amount Mn.. Slight hills.

MSN 13V: 23 Sept. 1960, 1440-1625 hrs.; 3°01'N, 174°02'W; depth 5250 m.; core length 12 cm.; brown clay.

MSN 14G: 24 Sept. 1960, 1030-1216 hrs.; 1°20'N, 176°02'W; depth 5290 m.; core length 183 cm.; brown clay with light streaks. Hilly topography.

MSN 15V: 25-26 Sept. 1960, 1625-1825 hrs.; 0°03'N, 179°59'E; depth 5260 m.; core length 12 cm.; brown clay.

MSN 16G: 27 Sept. 1960, 1010-1223 hrs.; 2°04'S, 178°16'E; depth 5519 m.; core length 165 cm.; brown clay at top, calcareous below. Flat bottom.

MSN 17G: 29 Sept. 1960, 0845-1025 hrs.; 7°03'S, 174°09'E; depth 5378 m.; core length 151 cm.; brown clay. Flat bottom.

MSN 17Ga (oriented core, non-magnetic corer): 29 Sept. 1960; 1033-1229- hrs.; 7°03'S, 174°09'E; depth 5530 m.; core length 144 cm.; brown clay with 1" Mn nodule at top.

MSN 18G: 30 Sept. 1960, 0510-0655 hrs.; 8°58'S, 171°27'E; depth 5000 m.; core length 117 cm.; brown clay. Flat bottom.

MSN 18V: 30 Sept. 1960, 0837-1130 hrs.; 8°58'S, 171°27'E; depth 4985 m.; core length 12 cm.; brown clay.

MSN 19G: 2 Oct. 1960, 0747-0905 hrs.; 12°29'S, 164°22'E; depth 4310 m.; core length 177 cm.; brown clay. Flat bottom.

MSN 20V: 2 Oct. 1960, 1010-1220 hrs.; 12°29'S, 164°22'E; depth 4310 m.; core length 12 cm.; brown clay.

MSN 21G (with oriented corer, which malfunctioned): 5 Oct. 1960, 0220-0405 hrs.; 14°45'S, 151°14'E; depth 4400 m.; only catcher sample obtained--calcareous clay with a small Mn nodule. Gentle hills.

MSN 22G: 15 Oct. 1960, 1330-2145 hrs.; 5°43'S, 131°00'E; depth 7267 m.; core length 63 cm.; dark blue-green clay. Flat bottom.

MSN 23G: 22 Oct. 1960, 1124 hrs.; 9°12'S, 127°35'E; depth 3213m.; length 133 cm.; a little brown clay overlying greenish-blue clay. Bottom of basin.

MSN 23V: 22 Oct. 1960, 1324 hrs.; 9°13'S, 127°33'E; depth 3213 m.; length 12 cm.; greenish-blue clay.

MSN 24G: PG 23 Oct. 1960, 1736 hrs.; 9°00'S, 128°37'E; depth 3008m.; length 104 cm; bluish-green clay. Flat Basin.

MSN 24P: 23 Oct. 1960, 1736 hrs.; simultaneous with core 24G; length 331 cm. Bottom section (1), 56 cm.; next (2) 71 cm.; next (3) 74 cm.; next (4) 77 cm.; top section (5) 53 cm.; bluish-green clay with some shells.

MSN 25G: 24 Oct. 1960, 1051 hrs.; 7°08'S, 127°13'E; depth 4683 m.; length 123 cm.; a foot of red clay overlying bluish-green clay with brownish streaks. Flat bottom.

MSN 25V: 24 Oct. 1960, 1256 hrs.; 7°09'S, 127°15'E; depth 4714 m.; length 12 cm.; dark brown clay. Flat bottom.

MSN 26G: 26 Oct. 1960, 0856 hrs.; 7°48'S, 121°13'E; depth 4824 m.; length 158 cm.; bluish-green clay, brown near top. Flat bottom in Flores Basin.

MSN 27G: 28 Oct. 1960, 0842 hrs.; 7°58'S, 117°48'E; depth (uncorrected) 1654 m.; small amount of green mud with some sand and cinders.

MSN 28G: 30 Oct. 1960, 0645 hrs.; 11°58'S, 115°23'E; depth 5005 m.; length 148 cm.; brownish mud with darker spots and streaks. Flat bottom.

MSN 29G: 31 Oct. 1960, 1120 hrs.; 12°50'S, 115°20'E; depth 5386 m.; length 105 cm.; brown mud with greenish streaks near bottom. Flat bottom.

MSN 29P: Simultaneously with 29G; length 29.42 feet--section 1, 80 cm.; section 2, 81 cm.; section 3, 81 cm.; section 4, 80 cm.; section 5, 79 cm.; section 6, 79 cm.; section 7, 79 cm.; section 8, 77 cm.; section 9, 77 cm.; section 10, 78 cm.; section 11, 76 cm.; section 12, 34 cm. Bluish-green mud with traces of grey to black material.

MSN 29V: 31 Oct. 1960, 1413 hrs.; 12°50'S, 115°20'E; depth 5386 m.; length 12 cm.; brown mud. Flat bottom.

MSN 30G: 2 Nov. 1960, 0739 hrs.; 10°12'S, 115°19'E; depth 4322 m.; length 65 cm.; greenish-blue mud with brown streaks mostly near top--small calcareous concretion at top. Flat bottom.

MSN 31G: 3 Nov. 1960, 0746 hrs.; 10°43'S, 115°15'E; depth 3376 m.: length 77 cm.; greenish-blue mud, brown at top. Flat bottom.

MSN 32G: 4 Nov. 1960, 0754 hrs.; 9°18'S, 115°47'E; depth 2640 m.; length 7 cm.; green mud with brown streaks. Some of the sample washed out before reaching surface. Slope on north flank of Java Trench.

MSN 33G: 7 Nov. 1960, 0635 hrs.; 13°20'S, 109°35'E; depth 4703 m.; length 116 cm.; brown mud, greenish-grey in the lower part, and with small blackish patches. Flat bottom.

MSN 33Ga: 7 Nov. 1960, 1045 hrs.; 13°18'S, 109°27'E; depth 4490 m.; length 159 cm.; light buff ooze, fairly compact.

MSN 33P: Simultaneously with core 33Ga. Very small catcher sample of light buff ooze.

MSN 33V: 7 Nov. 1960, 0822 hrs.; 13°19'S, 109°32'E; depth 4692 m.; small amount of brown mud.

MSN 34G: 8 Nov. 1960, 0612 hrs.; 11°38'S, 109°33'E; depth 4612 m.; length 117 cm.; greenish-blue mud, brown in the upper third. Flat bottom.

MSN 34V: 8 Nov. 1960, 0806 hrs.; 11°40'S, 109°32'E; depth 4612 m.; length 12 cm.; brownish-grey mud. Flat bottom.

MSN 34Gp: 8 Nov. 1960, 1315 hrs.; 11°40'S, 109°32'E; depth 4604 m.; length 124 cm.; greenish-blue mud, brown in upper fifth. Flat bottom.

MSN 34P: Simultaneously with core 34Gp. Section 1 (at bottom), 77 cm.; section 2, 77 cm.; section 3, 78 cm.; section 4, 77 cm.; section 5, 79 cm.; section 6, 79 cm.; section 7, 79 cm.; section 8, 81 cm.; section 9, 79 cm.; section 10, 79 cm.; section 11, 78 cm.; section 12 (top of core), 53 cm. Greenish-blue mud, fairly compact.

MSN 35G: 9 Nov. 1960, 0715 hrs.; 10°28'S, 109°46'E; depth 6550 m.; length 100 cm.; greenish-blue mud, brownish in upper fifth.

MSN 35V: 9 Nov. 1960, 1052 hrs.; 10°28'S, 109°44'E; depth 6550 m.; length 10 cm.; greenish mud.

MSN 36Ga: 10 Nov. 1960, 0745 hrs.; 9°22'S, 109°17'E; depth 1582 m.; length 30 cm.; gritty, compact, foraminiferal green clay.

MSN 36G: 10 Nov. 1960, 0702 hrs.; same location as 36Ga; very small amount of green foraminiferal clay.

MSN 37G: 11 Nov. 1960, 0750 hrs.; 8°53'S, 109°36'E; depth 3300 m.; length 166 cm.; greenish-grey foraminiferal clay, brownish at top. Flat bottom.

MSN 37V: 11 Nov. 1960, 0931 hrs.; 8°52'S, 109°37'E; depth 3300 m.; small amount of greenish foraminiferal clay.

MSN 37Gp: 11 Nov. 1960, 1630 hrs.; 8°48'S, 109°38'E; depth 3210 m.; length 99 cm.; dark greenish-grey foraminferal clay. Flat bottom.

MSN 37P: Simultaneously with 37Gp. Section 1 (bottom of core), 84 cm.; section 2, 84 cm.; section 3, 84 cm.; section 4, 84 cm.; section 5, 85 cm.; section 6, 85 cm.; section 7, 84 cm.; section 8, 85 cm.; section 9, 86 cm.; section 10, 83 cm.; section 11 (top of core), 75 cm. Rather compact, uniform dark greyish-green clay and silt.

MSN 38G: 20 Nov. 1960, 0854 hrs.; 11°15'S, 103°28'E; depth 5527 m.; length 124 cm.; upper two thirds brownish mud, bottom third greenish, with dark brown bands throughout. Flat bottom.

MSN 39G: 21 Nov. 1960, 0842 hrs.; 12°22'S, 101°25'E; depth 4771 m.; length 95 cm.; fairly compact, greenish-grey to brown foraminiferal mud, with some layering. Flat bottom.

MSN 39V: 21 Nov. 1960; 12°21'S, 101°25'E; depth 4771 m.; greyish formainiferal ooze. Flat bottom.

MSN 40G: 22 Nov. 1960, 0315 hrs.; 10°30'S, 99°00'E; depth 5325 m.; no sample.

MSN 40Ga: 22 Nov. 1960, 0806 hrs.; 10°30'S, 99°00'E; depth 5461 m.; length 80 cm.; mottles brownish, buff and greenish silty mud.

MSN 41G: 24 Nov. 1960, 0245 hrs.; 10°32'S, 94°54'E; depth 5266 m.; length 58 cm.; mottled brownish to greenish silty mud. Hilly.

MSN 42G: 24 Nov. 1960, 1338 hrs.; 11°30'S, 92°41'E; depth 5554 m.; length 102 cm.; mottled, banded, brownish to greenish silty mud. Flat bottom.

MSN 43G: 26 Nov. 1960, 2343 hrs.; 17°00'S, 93°28'E; depth 5194 m.; length 80 cm.; compact red clay. Flat bottom.

MSN 44G: 26 Nov. 1960, 1814 hrs.; 18°02'S, 90°50'E; depth 5060 m.; length 131 cm.; chocolate clay.

MSN 45G: 27 Nov. 1960, 2309 hrs.; 18°41'S, 87°51'E; depth 1735 m.; no sample.

MSN 45Ga: 27 Nov. 1960, 2357 hrs.; same position as 45G; catcher sample only; light grey, clean foraminiferal sand. Flat bottom.

MSN 46G: 28 Nov. 1960, 0753 hrs.; 18°13'S, 86°43'E; depth 4500 m.; length 121 cm.; dark brown clay.

MSN 46V: 28 Nov. 1960, 0943 hrs.; 18°13'S, 86°42'E; depth 4502 m.; length 6 cm; brown foraminiferal mud.

MSN 47G: 29 Nov. 1960, 0040 hrs.; 17°20'S; 84°24'E; depth 5010 m.; very small amount of manganese crust.

MSN 48G: 29 Nov. 1960, 1908 hrs.; 15°15'S, 81°08'E; depth 4996 m.; length 177 cm.; brown clay.

MSN 49G: 30 Nov. 1960, 1345 hrs.; 14°27'S, 78°03'E; depth 5214 m.; length 170 cm.; brown clay.

MSN 50G: 1 Dec. 1960, 0712 hrs.; 12°58'S, 75°01'E; depth 5226 m.; length 148 cm.; brown clay with lighter streaks.

MSN 51G: 2 Dec. 1960, 1744 hrs.; 14°05'S, 72°15'E; depth 5197 m.; length 133 cm.; brown clay with lighter material throughout.

MSN 52G: 3 Dec. 1960, 1512 hrs.; 14°54'S, 70°12'E; depth 3980 m.; length 127 cm.; buff foraminiferal ooze.

MSN 52V: 3 Dec. 1960, 1204 hrs.; 14°56'S, 70°11'E; depth 4458 m.; small amount of clayey foraminiferal ooze. Flat bottom.

MSN 53V: 5 Dec. 1960, 0028 hrs.; 16°25'S, 66°00'E; depth 3660 m.; short core of fluid, buff foraminiferal ooze. Flat bottom.

MSN 53G: 5 Dec. 1960, 0201 hrs.; 16°25'S, 66°02'E; depth approx. 2000 fm.; length 89 cm.; buff foraminiferal ooze. Flat bottom.

MSN 54V: 5 Dec. 1960, 1156 hrs.; 16°58'S, 64°42'E; depth 4044m.; small amount of fluid, buff foraminiferal ooze. Flat bottom.

MSN 55V: 6 Dec. 1960, 0048 hrs.; 17°48'S, 62°40'E; depth 3733m.; short core of fluid, buff foraminiferal ooze. Rough topography.

MSN 55G: 6 Dec. 1960, 0126 hrs.; 17°48'S, 62°40'E; depth 3738m.; length 127 cm.; buff foraminiferal ooze. Rough topography.

MSN 56Gp: 15 Dec. 1960, 1330 hrs.; 23°56'S, 73°53'E; depth 3700 m.; length 58 cm.; buff, silty foraminiferal clay. Undulating topography.

MSN 56P: Simultaneously with 56Gp. Section 1, 80 cm.; section 2, 82 cm.; section 3, 82 cm.; section 4, 82 cm.; section 5, 80 cm.; section 6, 82 cm.; section 7, 82 cm.; section 8, 79 cm.; section 9, 35 cm. Top 114 cm. buff foraminiferal ooze, remainder (568 cm.) khaki volcanic silts and clays.

MSN 57G: 16 Dec. 1960, 1556 hrs.; 26°22'S, 74°08'E; depth 4110 m.; length 144 cm.; predominantly brown clay, grading into foraminiferal ooze at top of core. Flat bottom (double echo).

MSN 58G: 17 Dec. 1960, 0107 hrs.; 27°48'S, 73°50'E; depth 3830 m.; few small chips of glassy volcanic rock. Intermontane flat.

MSN 58Ga: 17 Dec. 1960, 0353 hrs.; 27°48'S, 73°51'E; depth 3630 m.; ?no core?

MSN 59G: 17 Dec. 1960, 1947 hrs.; 30°50'S, 73°12'E; depth 4160 m.; length 131 cm.; buff volcanic silts and clays. Flat bottom.

MSN 60G: 18 Dec. 1960, 1217 hrs.; 33°20'S, 72°38'E; depth 4224 m.; length 138 cm.; khaki volcanic silts and clays. Flat bottom.

MSN 61G: 20 Dec. 1960, 0515 hrs.; 37°44'S, 71°42'E; depth 4286 m.; length 38 cm.; light buff volcanic mud. Moderately rough topography.

MSN 61V: Approx. same position as 61G; small amount of buff volcanic mud.

MSN 62G: 21 Dec. 1960, 1146 hrs.; 42°03'S, 70°40'E; depth 4080 m.; a few pieces of manganese nodules. Gentle hills.

MSN 62Ga: 21 Dec. 1960, 2059 hrs.; 42°09'S, 71°00'E; depth 4152 m.; length 166 cm.; light buff volcanic silt and clay. Gentle hills.

MSN 62V: Same position as 62Ga; length 10 cm.

MSN 63G: 23 Dec. 1960, 0209 hrs.; 39°50'S, 75°03'E; depth 3768 m.; ? only catcher sample ?; whitish silty clay.

MSN 63V: Same position as 63G; small amount of whitish silty clay.

MSN 64G: 25 Dec. 1960, 0147 hrs.; 38°26'S, 79°34'E; depth (uncorrected) 1822 fm.; no core. Gently rolling topography.

MSN 65G: 26 Dec. 1960, 0130 hrs.; 37°50'S, 85°22'E; depth 3731 m.; small amount of white volcanic silt and clay. Rolling hills.

MSN 65Ga: 26 Dec. 1960, 1101 hrs.; 37°52'S, 85°23'E; depth 3611 m.; small amount of white volcanic silt and clay. Rolling hills.

MSN 65V: 26 Dec. 1960, 0547 hrs.; 37°50'S, 85°22'E; depth 3594 m.; small amount of white, dense, volcanic silt and clay.

MSN 66G: 27 Dec. 1960, 0839 hrs.; 37°18'S, 90°42'E; depth 3847 m.; no sample.

MSN 67V: 29 Dec. 1960, 1948 hrs.; 36°18'S, 98°40'E; depth 4348 m.; small amount of light buff silty clay. Flat bottom.

MSN 67Gp: 29 Dec. 1960, 1311 hrs.; 36°18'S, 98°40'E; depth 4400 m.; small amount of light buff, foraminiferal silty clay. Flat bottom.

MSN 67P: Simultaneously with 67Gp; core length 859 cm. Section 1 (bottom of core), 83 cm.; section 2, 82 cm.; section 3, 83 cm.; section 4, 81 cm.; section 5, 83 cm.; section 6, 82 cm.; section 7, 82 cm.; section 8, 83 cm.; section 9, 81 cm.; section 10, 81 cm.; section 11, 82 cm.; section 12, (top of core), 59 cm. Brown clay, with whitish layers at about 0-30 cm. and about 350-410 cm.

MSN 68G: 9 Jan. 1961, 0932 hrs.; 39°18'S, 119°52'E; depth 4813 m.; length 103 cm.; brown clay with a 3 cm. Mn nodule at top. Irregular bottom.

MSN 68V: 9 Jan. 1961, 1133 hrs.; 39°18'S, 119°52'E; depth 4941 m.; length 13 cm.; brown clay. Irregular bottom.

MSN 69G: 12 Jan. 1961, 1542 hrs.; 49°27'S, 132°18'E; depth 3558 m.; a small amount of foraminiferal material. Small hills.

MSN 70G: 29 Jan. 1961, 0435 hrs.; 43°09'S, 175°15'E; depth (uncorrected) 119 m.; no sample. Mermoo Bank.

MSN 72G: 29 Jan. 1961, 1401 hrs.; 43°26'S, 176°43'E; depth (uncorrected) 256 m.; no sample. Rough topography.

MSN 73G: 29 Jan. 1961, 1845 hrs.; 43°27'S, 177°57'E; depth (uncorrected) 302 m.; no sample. Rough topography.

MSN 77G: 4 Feb. 1961, 1443 hrs.; 49°31'S, 170°32'E; depth (uncorrected) 562 m.; no sample.

MSN 85G: 7 Feb. 1961, 1226 hrs.; approx. 57°43'S, 169°12'E; depth 5288 m.; length 65 cm.; brown clay with three Mn nodules at surface. Rolling topography with 200 fm. relief.

MSN 86SG: 8 Feb. 1961, 1245 hrs.; 58°26'S, 169°02'E; depth 5150 m.; length 96 cm.; brown clay with Mn nodules at surface. On a topographic high.

MSN 86S: Simultaneously with MSN 86SG; no sample.

MSN 87G: 9 Feb. 1961, 0120 hrs.; 59°21'S, 169°29'E; depth 5018 m.; length 72 cm.; light brown clay with buff bands.

MSN 88G: 9 Feb. 1961, 1311 hrs.; 60°58'S, 170°16'E; depth 4754 m.; length 93 cm.; brown clay.

MSN 89G: 10 Feb. 1961, 0040 hrs.; 62°11'S, 170°56'E; depth 4476 m.; only a very small piece of volcanic rock.

MSN 90G: 11 Feb. 1961, 1518 hrs.; 63°04'S, 178°29'E; depth 3583 m.; length 37 cm.; diatomaceous brown clay with a few rock chips.

MSN 90V: 11 Feb. 1961, 1655 hrs.; 63°04'S, 178°29'E; depth 3840 m.; several small rock fragments.

MSN 91G: 13 Feb. 1961, 0813 hrs.; 64°11'S, 165°56'W; depth 2932 m.; length 100 cm.; manganese-covered ice-rafted pebbles on diatomaceous mud. Irregular topography.

MSN 91V: 13 Feb. 1961, 1105 hrs.; 64°11'S, 165°56'W; depth 2922 m.; length 12 cm.; diatomaceous mud. Irregular topography.

MSN 92PG: 13 Feb. 1961, 1838 hrs.; 63°17'S, 166°58'W; depth 2639 m.; length 57 cm.; diatomaceous brown clay. Very irregular topography.

MSN 92P: Simultaneously with core 92 Pg. No sample. Corer bent.

MSN 93G: 15 Feb. 1961, 0817 hrs.; 60°12'S, 171°32'W; depth 4060 m.; length 91 cm.; diatom ooze. Hilly bottom.

MSN 93V: 15 Feb. 1961, 1015 hrs.; 60°12'S, 171°32'W; depth 3940 m.; length 6 cm.; diatom ooze with few rock chips.

MSN 94G: 15 Feb. 1961, 1645 hrs.; 59°39'S, 172°04'W; depth 4500 m.; no sample.

MSN 95G: 16 Feb. 1961, 0603 hrs.; 58°16'S, 173°33'W; depth 5140 m.; length 125 cm.; diatomaceous brown mud grading to light grey at bottom of core.

MSN 96G(5-inch): 16 Feb. 1961, 1340 hrs.; 57°34'S, 174°15'W; depth 4760 m.; length approx. 120 cm. and five plastic boxes. Bottom of a hill.

MSN 97G: 17 Feb. 1961, 0827 hrs.; 55°39'S, 176°08'W; depth 5200 m.; length 150 cm.; brown mud.

MSN 98V: 17 Feb. 1961, 2224 hrs.; 54°31'S, 177°12'W; depth 5330 m.; length 11 cm.; brown clay.

MSN 98P: 18 Feb. 1961, 0225 hrs.; 54°31'S, 177°12'W; depth 5274 m.; length 75 cm., plus about 10 cm. of loose, broken sediment; semi-consolidated brown clay with some sand near top of core. Precipitated Mn fills cracks between clay nodules, giving appearance of rock fragments.

No pilot gravity core.

MSN 99G: 19 Feb. 1961, 0850 hrs.; 52°37'S, 178°57'W; depth 5200 m.; length 118 cm. Brown clay, with lighter material near bottom.

MSN 100G: 19 Feb. 1961, 2005 hrs.; 51°06'S, 179°49'E; depth 4835 m.; length 97 cm.; brown clay, with lighter material toward bottom of core. Flat bottom.

MSN 102G and 102Ga: 21 Feb. 1961, 2325 hrs.; 48°02'S, 172°31'E; depth 1320 m.; on both attempts, only a few grains of calcareous sand.

MSN 103PG: 26 Feb. 1961, 2320 hrs.; 46°12'S, 173°09'E; depth 1674 m.; a few cm. of white calcareous ooze. Flat topography (rim of canyon).

MSN 104PG: 27 Feb. 1961, 0920 hrs.; 46°21'S, 175°14'E; depth 1865 m.; length 42 cm.; foraminiferal ooze on top of a darker layer. Flat Bottom.

MSN 104P: Simultaneously with core 104PG; very fluid foraminiferal ooze with one or more ash layers. Section 1 (bottom of core), 77 cm.; section 2, 76 cm.; section 3, 79 cm.; section 4, 77 cm.; section 5, 78 cm.; section 6, 79 cm.; section 7, 80 cm.; section 8, 78 cm.; section 9, 78 cm.; section 10, 77 cm.; section 11 (top of core), 50 cm.

MSN 104V: 27 Feb. 1961, 1047 hrs.; 46°21'S, 175°14'E; depth 1845 m.; length 8 cm.; foraminiferal ooze.

MSN 105P: 27 Feb. 1961, 1658 hrs.; 46°26'S, 176 20'E; depth 2755 m.; cyclic graded beds of silt and clay. Axis of channel in Bounty Trough. Section 1 (bottom of core), 76 cm.; section 2, 78 cm.; section 3, 80 cm.; section 4, 80 cm.; section 5, 80 cm.; section 6, 78 cm.; section 7, 80 cm.; section 8, 75 cm.; section 9, 78 cm.; section 10, 75 cm.; section 11, 84 cm.; section 12 (top of core), 55 cm. Simultaneous gravity core--no sample.

MSN 106G: 28 Feb. 1961, 0132 hrs.; 47°14'S, 177°21'E; depth 1162 m.; no core--only a few sand grains. Bounty Trough.

MSN 109PG: 28 Feb. 1961, 1829 hrs.; 46°30'S, 176°46'W; depth 4637 m.; length 25 cm.; greenish-grey mud. Gently rolling topography.

MSN 109P: Simultaneous with core 109PG; cyclic graded beds of mud and silt. Section 1 (bottom of core), 75 cm.; section 2, 77 cm.; section 3, 84 cm.; section 4 (top of core), 24 cm.

MSN 111G: 3 Mar. 1961, 2006 hrs.; 40°37'S, 164°08'W; depth 5230 m.; length 173 cm.; greenish-grey clay. Gentle 20 fm. hills.

~~MSN 111V: 3 Mar. 1961, 2215 hrs.; 40°37'S, 164°08'W; depth 5199 m.; length 12 cm.; greenish-grey to brown clay.~~

MSN 111V: 3 Mar. 1961, 2215 hrs.; 40°37'S, 164°08'W; depth 5199 m.; length 12 cm.; greenish-grey to brown clay.

MSN 112G: 4 Mar. 1961, 0812 hrs.; 39°21'S, 163°21'W; depth 4840 m.; length 21 cm.; brown clay, fairly compact. 300 fm. blocky hills in area; sample in basin with 20 fm. relief.

MSN 113G: 4 Mar. 1961, 2047 hrs.; 38°25'S, 163°40'W; depth 5087 m.; length 115 cm.; light brown clay. 50 fm. rolling hills.

MSN 114G: 5 Mar. 1961, 1047 hrs.; 37°02'S, 163°14'W; depth 5355 m.; length 183 cm.; light brown clay. Rolling hills, 100 fm. relief.

MSN 115G: 5 Mar. 1961, 1952 hrs.; 36°29'S, 163°09'W; depth 5410 m.; length 163 cm.; brown clay. Rolling hills, 40 fm. relief.

MSN 116P: 6 Mar. 1961, 0932 hrs.; 35°50'S, 163°01'W; depth 4950 m.; section 1 approx. 78 cm., section 2 approx. 20 cm.; brown clay with Mn nodules. Simultaneous gravity core--no sample.

MSN 117G: 7 Mar. 1961, 1249 hrs.; 34°09'S, 161°54'W; depth 5535 m.; length 85 cm.; light brown clay. Gently rolling topography.

MSN 118G: 8 Mar. 1961, 1004 hrs.; 32°40'S, 160°57'W; depth 5200 m.; length 19 cm.; brown clay, fairly compact. Very gently rolling 70 fm. hills, with only 20 fm. relief for previous 3 miles. On top of a small mound.

MSN 119G: 9 Mar. 1961, 0115 hrs.; 31°51'S, 161°13'W; depth 5250 m.; length 19 cm.; very compact brown clay. Immediately north of fault trough. 300 fm. relief.

MSN 120 G: 9 Mar. 1961, 1209 hrs.; 30°28'S, 159°28'W; depth 5236 m.; length 64 cm.; brown clay, quite compact.

MSN 121G: 9 Mar. 1961, 1959 hrs.; 29°35'S, 158°58'W; depth 5252 m.; length 132 cm.; chocolate clay, with 1 cm. Mn nodule at surface. Rolling topography, 20 fm. relief.

MSN 122G: 10 Mar. 1961, 0604 hrs.; 28°33'S, 158°20'W; depth 5170 m.; several 1 cm. Mn nodules. Gently rolling topography, 10-20 fm. relief.

MSN 123G: 10 Mar. 1961, 1619 hrs.; 27°20'S, 157°31'W; depth 4957 m.; length 98 cm.; chocolate clay with Mn nodule at top. On abyssal hill, 150 fm. relief.

MSN 124G: 11 Mar. 1961, 1248 hrs.; 26°20'S, 156°34'W; depth 5087 m.; length 102 cm.; chocolate clay. Smoothly rolling, 80 fm. relief.

MSN 125G: 11 Mar. 1961, 1912 hrs.; 26°01'S, 155°59'W; depth 5038 m.; length 142 cm.; chocolate clay with 3 cm. Mn nodule at surface, one at about 4 cm. and one at about 20 cm. Irregular topography, with wide range of relief 400-20 fm.

MSN 126G: 12 Mar. 1961, 1814 hrs.; 24°41'S, 154°45'W; depth ? 4542 m. ?; length 128 cm.; calcareous ooze over brown clay, and two 2 cm. Mn nodules at surface.

MSN 127G: 13 Mar. 1961, 0450 hrs.; 23°53'S, 154°05'W; depth 4698 m.; several small pieces of Mn nodules, etc.

MSN 128G: 24 Mar. 1961, 1013 hrs.; 13°53'S, 150°35'W; depth 3623 m.; length 62 cm.; white calcareous sand. On a slight rise.

MSN 129G: 25 Mar. 1961, 0026 hrs.; 12°22'S, 150°55'W; depth 4743 m.; no sample.

MSN 130G: 25 Mar. 1961, 1318 hrs.; 10°34'S, 151°05'W; depth 5044 m.; length 89 cm.; chocolate clay. Gently rolling hills, 20-30 fm. relief.

MSN 131PG: 26 Mar. 1961, 0522 hrs.; 8°17'S, 151°34'W; depth 5186 m.; length 103 cm.; chocolate clay. Gently rolling topography.

MSN 131P: Simultaneously with core 131 PG. Section 1, 78 cm.; section 2, 76 cm.; section 3, 79 cm.; section 4, 79 cm.; section 5, 81 cm.; section 6, 45 cm.; section 7, 73 cm.; section 8, 23 cm. Sections 7 and 8 are not in continuity with the others--gap between sections 6 and 7, with possibly one or two sections missing.

MSN 132PG: 27 Mar. 1961, 1050 hrs.; 5°58'S, 149°33'W; depth 5115 m.; length 80 cm.; chocolate clay.

MSN 132P: Simultaneously with 132PG. Section 1, 64 cm.; section 2, 76 cm.; section 3, 73 cm.; section 4, 74 cm.; section 5, 76 cm.; section 6, 5 cm. Water between extruding piston and core eroded the perimeter of the core--approx. half of the core was lost this way. There is probably a gap between sections 1 and 2.

MSN 133G(5-inch): 27 Mar. 1961, 1630 hrs.; 5°58'S, 149°33'W; depth 5087 m.; barrel full of water with few cm. of chocolate clay at the bottom--preserved in a plastic bag.

MSN 135PG: 28 Mar. 1961, 1646 hrs.; 4°26'S, 149°24'W; depth 4600 m.; length 51 cm.; foraminiferal ooze over brown clay. Relief 40-60 fm.--station on high flat area.

MSN 135P: Simultaneously with core 135PG; 5 mm. of hard foraminiferal ooze overlying hard brown clay. Section 1, 72 cm.; section 2, 74 cm.; section 3, 75 cm.; section 4, 74 cm.; section 5, 59 cm.; section 6, 75 cm.; section 7, 74 cm.; section 8, 76 cm.; section 9, 76 cm.; section 10, 76 cm.; section 11, 73 cm.; section 12, 21 cm.

MSN 135grab: 28 Mar. 1961, 2148 hrs.; 4°26'S, 149°24'W; depth 4687 m.; ? no sample ? Relief 40-60 fm.--station on high flat area.

MSN 136G(5-inch): 29 Mar. 1961, 1810 hrs.; 1°54'S, 148°45'W; depth 4731m.; length approx. 150 cm.; light foraminiferal mud. Gently undulating, broad relief 40-60 fm.

MSN 136G: 29 Mar. 1961, 2055 hrs.; 1°54'S, 148°45'W; depth 4731 m.; length 103 cm.; light calcareous mud. Broad swells, 40-60 fm. relief.

MSN 137GP: 30 Mar. 1961, 0119 hrs.; 1°32'S, 148°39'W; depth 4827 m.; length 145 cm. light calcareous mud. Gently rolling topography.

MSN 137P: Simultaneously with core 137 GP; length approx. 920 cm.; light calcareous mud, darker toward the bottom. Section 1, 78 cm.; section 2, 77 cm.; section 3, 78 cm.; section 4, 78 cm.; section 5, 77 cm.; section 6, 78 cm.; section 7, 77 cm.; section 8, 75 cm.; section 9, 78 cm.; section 10, 77 cm.; section 11, 77 cm.; section 12, 70 cm.;

MSN 137G(5-inch): 30 Mar. 1961, 0455 hrs.; 1°32'S, 148°39'W; depth 4785 m.; length approx. 200 cm.

MSN 138P: 31 Mar. 1961, 1123 hrs.; 0°15'S, 147°34'W; depth 4410 m.; white calcareous mud. Flat bottom, 10 miles south of a 700 fm. seamount. Sub-bottom echo at 4 fm. Section 1, 75 cm.; section 2, 75 cm.; section 3, 76 cm.; section 4, 76 cm.; section 5, 74 cm.; section 6, 76 cm.; section 7, 78 cm.; section 8, 77 cm.; section 9, 75 cm.; section 10, 75 cm.; section 11, 79 cm.; section 12, 78 cm.; section 13, 45 cm. Simultaneous gravity core--no sample.

MSN 138G(5-inch): 31 Mar. 1961, 1535 hrs.; 0°15'S, 147°34'W; depth 4396 m; length approx. 200 cm.; white calcareous mud. Flat bottom.

MSN 140G(5-inch): 1 Apr. 1961, 1425 hrs.; 2°00'N, 147°06'W; depth 4515 m.; no sample. Small hills, 20 fm. relief.

MSN 141G: 2 Apr. 1961, 0647 hrs.; 3°32'N, 146°47'W; depth 4577 m.; length 151 cm.; foraminiferal ooze. Very gently rolling topography, 20 fm. relief.

MSN 142G: 2 Apr. 1961, 1853 hrs.; 5°20'N, 146°13'W; depth 5089 m.; length 153 cm.; brown mud with some calcareous ooze. Rolling topography, 60 fm. relief.

MSN 143GP: 3 Apr. 1961, 0025 hrs.; 5°32'N, 146°09'W; depth 5100 m.; length 156 cm.; brown mud, partly calcareous.

MSN 143P: Simultaneously with core 142GP. Section 1, 77 cm.; section 2, 77 cm.; section 3, ? cm.; section 4, 75 cm.; section 5, 75 cm.; section 6, ? cm.; section 7, 75 cm.; section 8, 75 cm.; section 9, 76 cm.; section 10, ? cm.; section 11, 77 cm.; section 12, 74 cm.

MSN 144G(5-inch): 3 Apr. 1961, 0645 hrs.; 6°01'N, 145°58'W; depth 5200 m.; length approx. 150 cm.; light brown calcareous mud.

MSN 145G: 3 Apr. 1961, 1453 hrs.; 7°02'N, 145°38'W; depth 5098 m.; length 178 cm.; brown mud with calcareous streaks. Rolling topography, 40 fm. relief.

MSN 146PG: 3 Apr. 1961, 2010 hrs.; 7°09'N, 145°35'W; depth 5100 m.; length 149 cm.; brown mud with light streaks.

MSN 146P: Simultaneously with core 146PG. Section 1, 77 cm.; section 2, 75 cm.; section 3, 75 cm.; section 4, 75 cm.; section 5, 76 cm.; section 6, 76 cm.; section 7, 75 cm.; section 8, 75 cm.; section 9, 77 cm.; section 10, 74 cm.; section 11, 75 cm.; section 12, 78 cm.; section 13, 14 cm. Chocolate mud with white streaks.

MSN 147G: 4 Apr. 1961, 0454 hrs.; 8°07'N, 145°25'W; depth 5100 m.; length 147 cm.; chocolate mud with white streaks. Broad swells, 60-80 fm.

MSN 147G(5-inch): 4 Apr. 1961, 0900 hrs.; 8°07'N, 145°25'W; depth 5110 m.; length approx. 100 cm.; chocolate clay with white spots.

MSN 147Ga(5-inch): 4 Apr. 1961, 1248 hrs.; 8°07'N, 145°25'W; depth 5300 m.; length something less than 200 cm.; chocolate clay.

MSN 148G: 4 Apr. 1961, 1946 hrs.; 9°06'N, 145°18'W; depth 5400 m.; length 144 cm.; brown clay with small Mn nodule at top. Hilly, 20 fm. relief.

MSN 149P: 5 Apr. 1961, 1135 hrs.; 9°23'N, 145°15'W; depth 5100 m.; chocolate mud. Section 1, 174 cm.; section 2, 157 cm. Rolling topography--40 fm. relief.

MSN 149G: Accompanying ~~Simultaneous~~ gravity core--~~no sample~~, 46 cm.

MSN 150G: 6 Apr. 1961, 1437 hrs.; 10°59'N, 142°37'W; depth 4978 m.; length 94 cm.; brown clay with small nodule at top. Hilly, 100 fm. relief.

MSN 151PG: 6 Apr. 1961, 1930 hrs.; 11°03'N, 142°28'W; depth 5000 m.; length 67 cm.; chocolate clay, with dense black material at top.

MSN 151P: Simultaneously with core 151PG. Brown clay. Section A, (at top) 5 cm.; section B (broken), 40 cm.; section C, 107 cm. After extrusion of section C, a few feet of core suddenly shot out (constituting section B), and then section A came from just under the piston.

MSN 152G: 8 Apr. 1961, 0809 hrs.; 13°04'N, 138°59'W; depth 4930 m.; length 77 cm.; brown clay. Irregular bottom, 100 fm. relief.

MSN 153PG: 8 Apr. 1961, 1703 hrs.; 13°07'N, 138°56'W; depth 4927 m.; length 37 cm.; chocolate mud with some white streaks, and few small Mn nodules at top. Hilly, 80 fm. relief.

MSN 153P: Simultaneously with core 153PG. Brown mud, lighter toward the top. Section 1, 170 cm.; section 2, 170 cm.; section 3, 174 cm.; section 4, 179 cm.; section 5, 176 cm.; section 6, 70 cm.

MSN 154PG: 9 Apr. 1961, 1210 hrs.; 15°01'N, 137° 01'W; depth 4920 m.; length 134 cm.; brown clay. Gently rolling, 40 fm. relief.

MSN 154P: Simultaneously with core 154PG. Brown clay, lighter in the top 130 cm. Section 1, 172 cm.; section 2, 176 cm.; section 3, 175 cm.; section 4, 173 cm.; section 5, 178 cm.; section 6, 55 cm.

MSN 155G: 9 Apr. 1961, 1555 hrs.; 15°09'N, 137°06'W; depth 4992 m.; length 101 cm.; brown clay.

MSN 157G: 14 Apr. 1961, 0910 hrs.; 24°18'N, 126°30'W; depth 4414 m.; length 113 cm; brown clay with small Mn nodules at top. Rolling, 40-60 fm. relief.

MSN 158G: 16 Apr. 1961, 0905 hrs.; 29°07'N, 122°57'W; depth 4075 m.; length 57 cm.; brown clay.

MSN 159G: 17 Apr. 1961, 0537 hrs.; 31°01'N, 119°04'W; depth 3625 m.; length 184 cm.; brown clay. Gently rolling, 20-40 fm. relief.

MSN 1D: 24 Oct. 1960, 0005 hrs.; 8°25'S, 128°23'E; depth 1630 m.; two pint jars and one gallon jar, preserved in buffered formalin; greenish-grey gritty clay with some sand, shells, a nodule and rocks. Top of guyot.

Un-numbered orange peel grab: 27 Oct. 1960, 1500 hrs.; 8°06'S, 117°58'E, approx. 500 yards offshore of Tambora Volcano, Soembawa Is.; depth 57 m.; loose, sand-size volcanic sediment.

MSN 30D: 2-3 Nov. 1960, 2023 hrs.; 10°30'S, 115°15'E to 10°30'S, 115°11'E; depth 3080 m.; three cubic feet comprising soft calcareous mudstone, pubice, manganese nodule, etc. Rough topography.

MSN 20D: 11 Nov. 1960, 2210 hrs.; 9°23'S, 109°16'E; depth 1390 m.; four small pieces of pumice and a gallon of light tan, foraminiferal muddy sand. On a small hill.

MSN III 22D: 7 Dec. 1960, 0207 hrs.; 19°41'S, 58°00'E; depth 300 fm.; half a burlap bag of rocks. Flat bottom.

MSN 70D: 29 Jan. 1961, 0345 hrs.; 43°09'S, 175°15'E; depth (uncorrected) 119 m.; shell fragments and some clay. Mermoo Bank.

MSN 71D: 29 Jan. 1961, 0500 hrs.; 43°10'S, 175°15'E; depth (uncorrected) 154 m.; large biological collection, and some clay, rocks and fossil shells. Mermoo Bank.

MSN 72D: 29 Jan. 1961, 1200 hrs.; 43°26'S, 176°43'E; depth (uncorrected) 245 m.; good biological haul, and one volcanic rock and some silty sand. Rough topography.

MSN 73D: 29 Jan. 1961, 1900 hrs.; 43°27'S, 177°57'E; depth (uncorrected) 302m.; about two gallons, mostly walnut-size fragments of greywacke, and several small lumps of soft calcareous material. Rough topography.

MSN 74D: 30 Jan. 1961, 1105 hrs.; 43°21'S, 179°30'E; depth (uncorrected) 425 m.; about four gallons of limestone and black rock fragments. Terrace break, 20 fm. relief.

MSN 75D: 31 Jan. 1961, 0920 hrs.; 43°16'S, 178°20'W; depth (uncorrected) 440 m.; approx. 800 lbs. angular cobbles, comprising principally foraminiferal limestone (phosphatized at surface), some softer limestones, and a large gneissic boulder.

MSN 76D: 31 Jan. 1961, 1725 hrs.; 43°38'S, 177°26'W; depth (uncorrected) 200 m.; mostly biological material and shell debris.

MSN 77D: 4 Feb. 1961, 1235 hrs.; 49°31'S, 170°32'E; depth (uncorrected) 538 m.; small amount of greyish foraminiferal sand and some biological specimens. Flat bottom.

MSN 78D (outcrop on Campbell Island): 5 Feb. 1961; 52°33'S, 169°10'E; five hand specimens of greywacke and limestone. Venus Bay outcrops.

MSN 79D (subaerial): 5 Feb. 1961; 52°33'S, 169°10'E; two hand specimens and one large slab of limestone. Outcrops on NW part of Gardner Cove, Campbell Is.

MSN 80D (subaerial): 5 Feb. 1961; 52°33'S, 169°10'E; outcrops at Gardner Cove, Campbell Island, comprising the following:

(1) three samples of a graded bedding sequence in the pebble-sand size of greywacke,

(2) basalt from dike intruding the greywacke,

(3) light sandstone apparently overlying greywacke unconformably,

(4) two samples of middle of graded bed (1) above.

MSN 81D (subaerial): 5 Feb. 1961; 52°33'S, 169°10'E; outcrops at Gardner Cove, Campbell Is. Argillite interbedded with very coarse greywacke near graded sequence of MSN 80D.

MSN 82D (subaerial): 5 Feb. 1961; 52°33'S, 169°10'E; seven samples of volcanic rock from beach boulders at Perserverance Harbour, Campbell Is.

MSN 83D (subaerial): 5 Feb. 1961; 52°33'S, 169°10'E; five specimens of volcanic rock from beach cobbles on Campbell Is.

MSN 84D: 5 Feb. 1961, 1952 hrs.; 53°02'S, 169°17'E; depth (uncorrected) 320 m.; no sample.

MSN 101D: 20 Feb. 1961, 1000 hrs.; 49°42'S, 178°52'E; depth approx. 100-200 fm.; much biological material and a few rounded basalt pebbles.

MSN 107D: 28 Feb. 1961, 1213 hrs.; 47°35'S, 178°58'E; depth (uncorrected) 146 m.; several pebbles of grey sandstone, and one box of sediment. Flat bottom.

MSN 108D (subaerial): 28 Feb. 1961, 47°41'34"S, 179°03'09"E; several hand specimens of porphyritic granite. Bounty Island.

MSN 110D: 3 Mar. 1961, 1144 hrs.; 41°27'S, 164°16'W; depth 600 fm. and shoaler; one sack of rocks plus a plastic box. Basalt bedrock with as much as 1 cm. Mn crust (largest 79 cm. x 41 cm. x 34 cm.), and two 2 cm. fragments of sandstone. Top of a guyot.

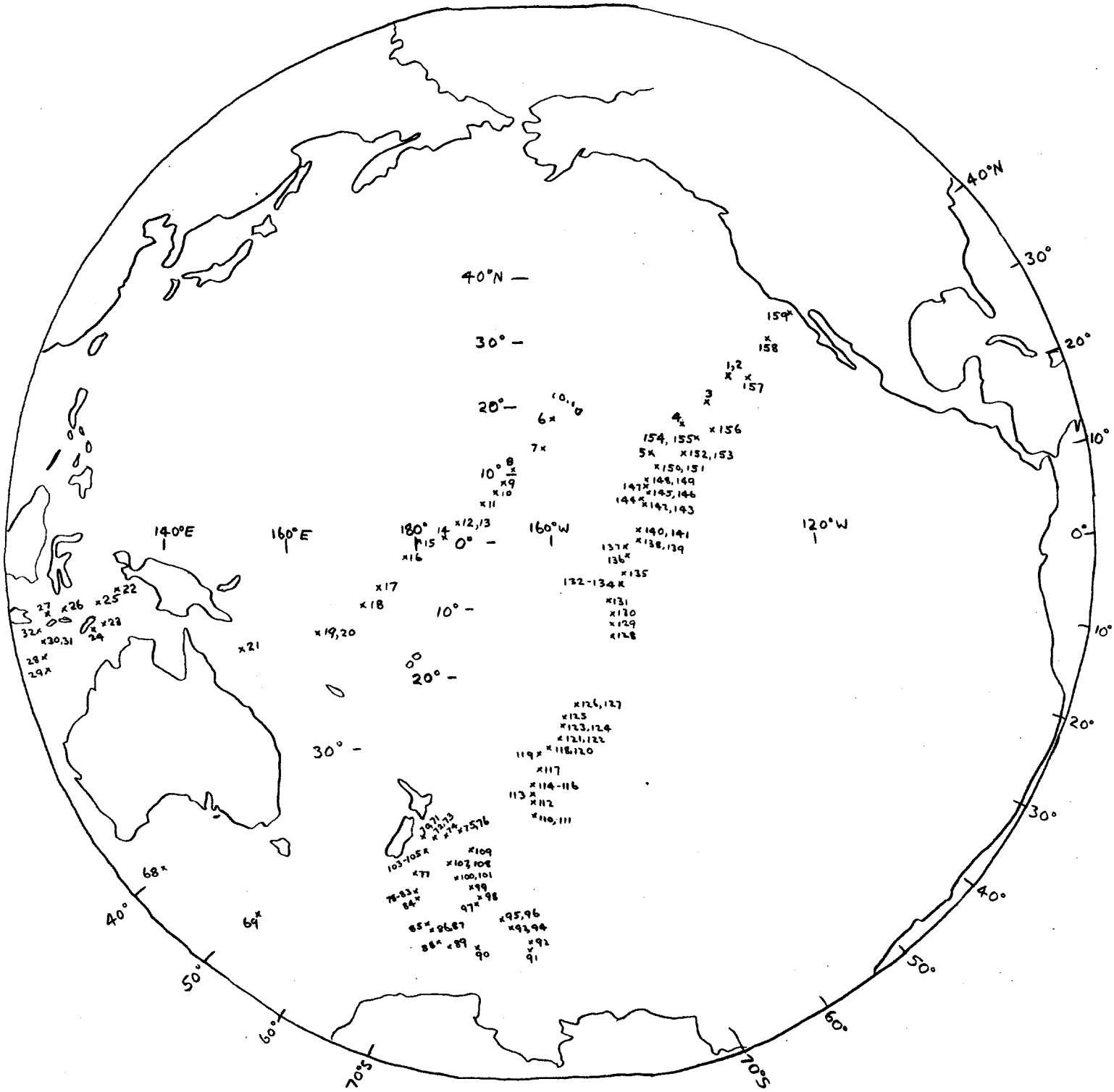
MSN 134D: 28 Mar. 1961, 0155 hrs.; 5°58'S, 149°33'W; depth 5100 m.; nothing in rock dredge--pipe dredge full of chocolate clay. Slight hills.

MSN 139D: 31 Mar. 1961, 2145 hrs.; 0°04'S, 147°36'W; depth 3340 m.; four Mn nodules and three pieces (one 8 x 15 cm.) of Mn crust 1-2 cm. thick, plus calcareous ooze, plus live (?) coral. On a 700 fm. seamount.

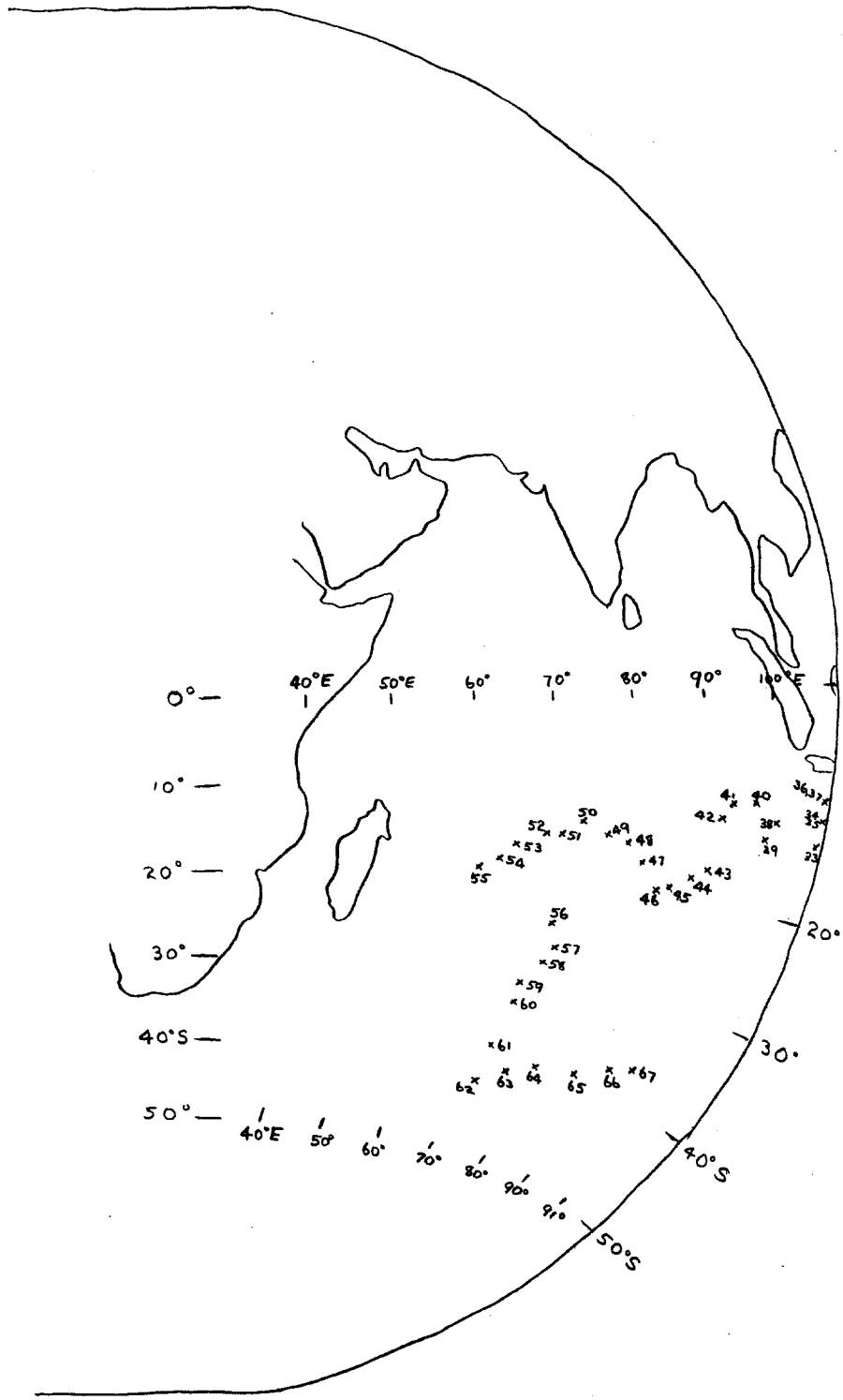
MSN 148 D: 5 Apr. 1961, 0323 hrs.; 9°06'N, 145°18'W; depth 5200 m.; no sample, though apparently reached bottom.

MSN 156 D: 10 Apr. 1961, 2235 hrs.; 16°38'N, 134°43'W; depth 3944 m.; lost dredge--only bail retrieved.

A Guide to Monsoon Bottom-Sampling Stations (approximate)



A Guide to Monsoon Bottom-Sampling Stations (approximate)



SCRIPPS INSTITUTION OF OCEANOGRAPHY

Key to Abbreviations Used in Sample Descriptions ("core logs")

G: Gravity core

P: Piston core

PG: Gravity core obtained in conjuction with a piston core, and bearing the same sample number. This is also known as a "trip gravity" core since in this instance a gravity corer is used to trip the arm of the piston corer.

Note: In some core logs (e.g. Monsoon) it will be noted that there is sometimes a PG core with no accompanying P core (or vice versa). This is a result of no P sample having been obtained; therefore, even the attempt was ignored when the log was compiled. (Obviously, however, there was an attempt or there would be no PG.)

V: Heat probe core, short and of small diameter (c. 1"), developed by R. von Herzen. Occasionally regular gravity cores are used instead.

GV: AMPHITRITE Expedition ONLY: Gravity cores taken for a specific person and purpose.

Note: Such "special request" cores are frequently taken on SIO cruises; but, with the above exception, are not usually designated differently than other samples. Frequently, also, such cores are used in their entirety by the person for whom they were taken and are no longer in the SIO collection, even though they may appear in the log.

C: Very small cores obtained by corers attached to the frame of a camera.

T: Triple corer samples, some are very small, others are regular gravity cores.

Grab: Designated as such (e.g., MSN 135 grab).

S: Snapper: The proper term for "grab". May also be spelled out.

D: Dredge samples. Also used to designate subaerial samples.

H: Hydrographic PBS (Phleger Bottom Sampler). See Downwind, Horizon, DWHHI.

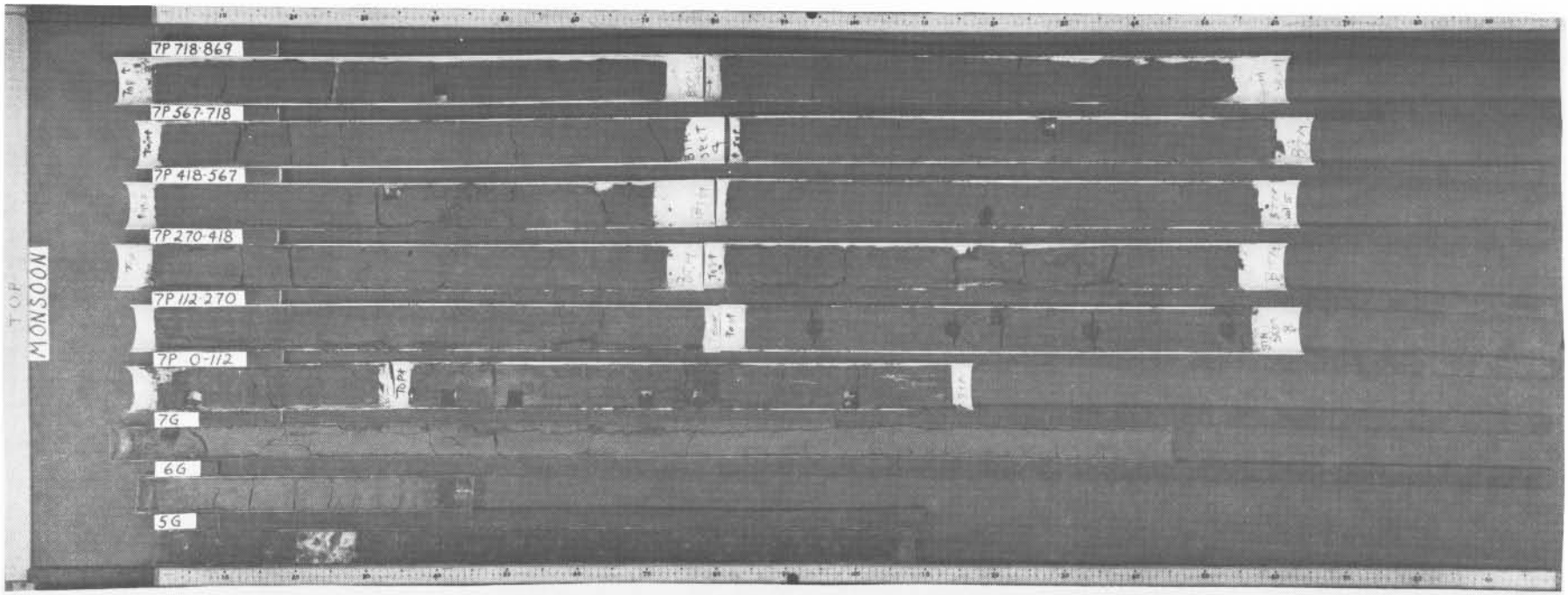
Abbreviations of ship names:

A: R/V Argo (e.g., LSDA)
H: R/V Horizon (e.g., LSDH, DWH)
B: R/V Spencer F. Baird (e.g., DWB)
HMS: R/V Hugh M. Smith (e.g., FAN, HMS)
S: R/V Stranger

Note: In the LUSIAD-ARGO (LSDA) core log will also be found SCS: South China Sea.

Use of lower case letters and prime (′): Used to indicate that two (or more) attempts were made to obtain a sample; e.g., 101 G (first attempt), 101 Ga (second attempt); or 101 Ga (first attempt), 101 Gb (second attempt). Occasionally, as in Chubasco Roman-numeraled samples, a prime mark (′) has been used for this purpose, e.g., CHUB Vg, V′g. (Note that this log also uses lower case for gravity and piston core designations).

Occasionally no letter designation is used if all cores of an expedition were gravity cores.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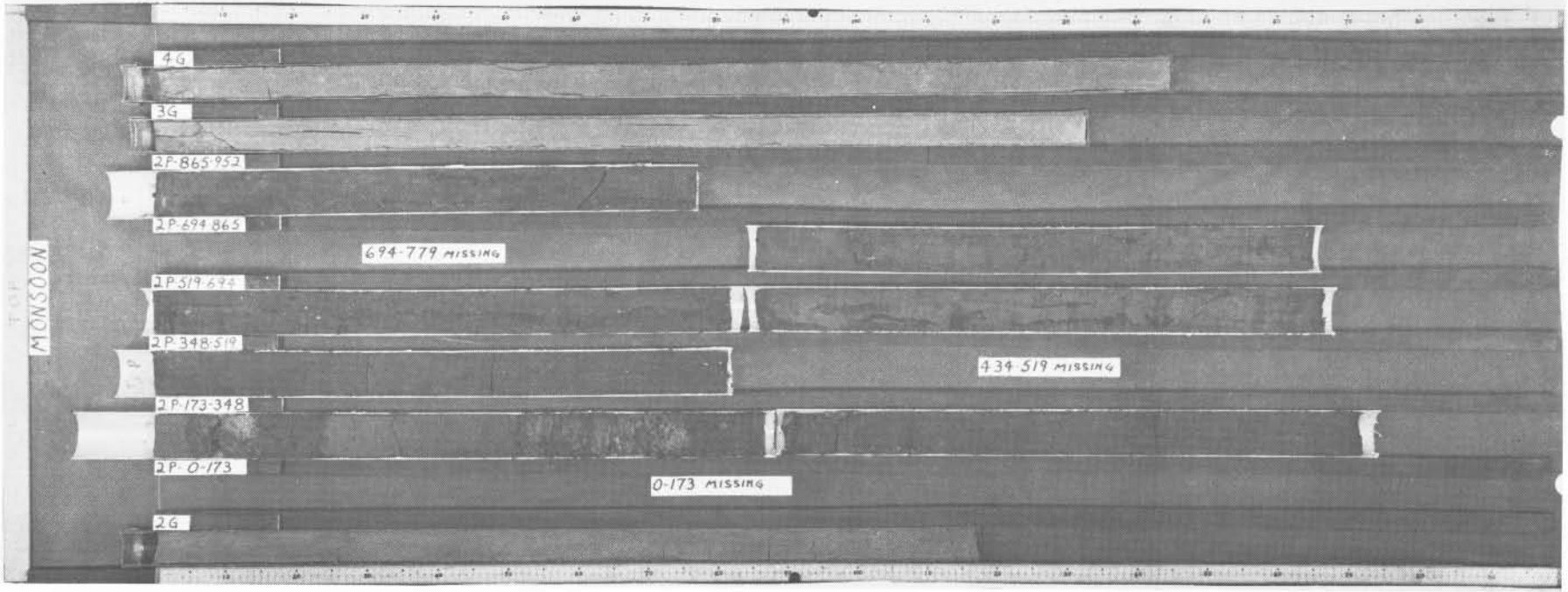
7P 718-869
7P 567-718
7P 418-567
7P 270-418
7P 112-270
7P 0-112
7G
6G
5G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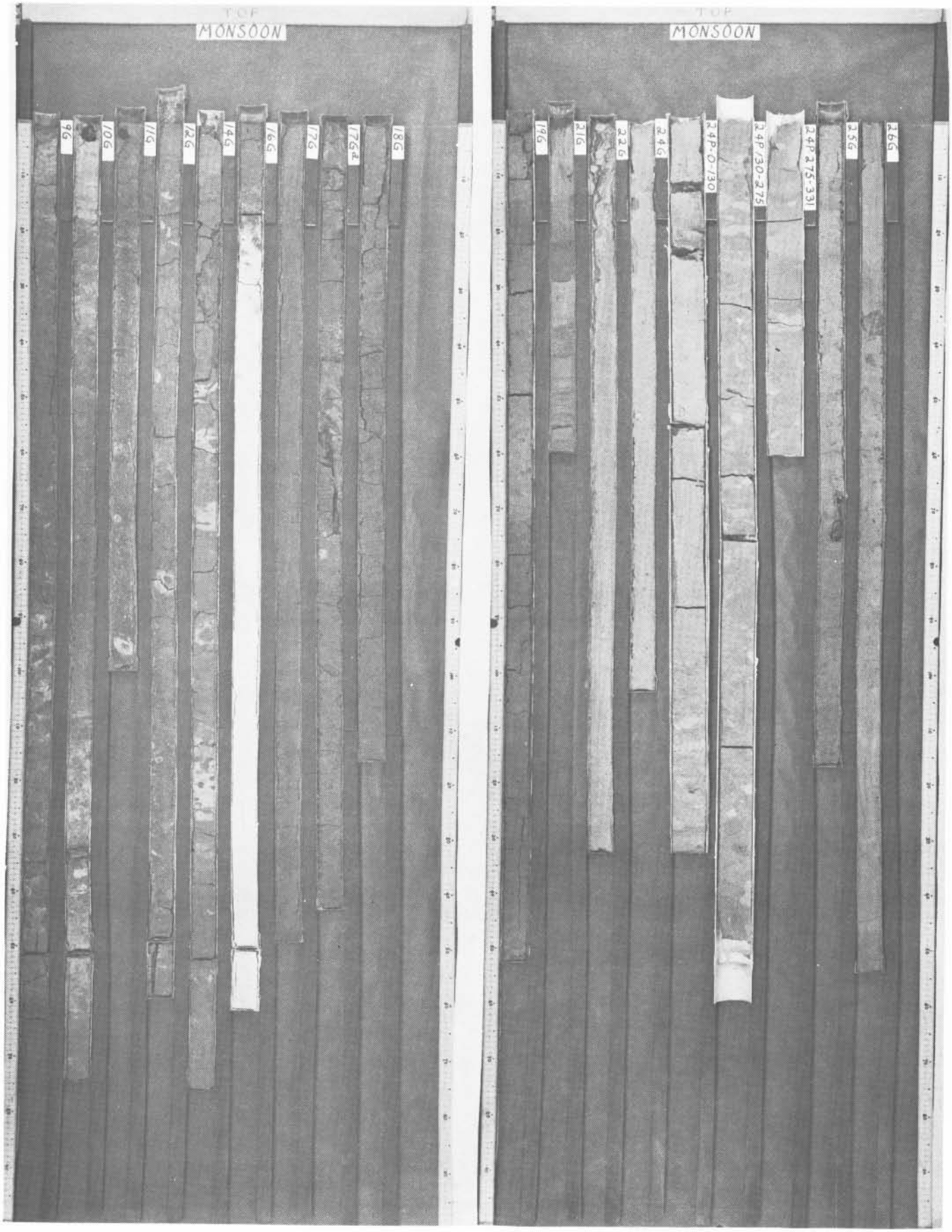
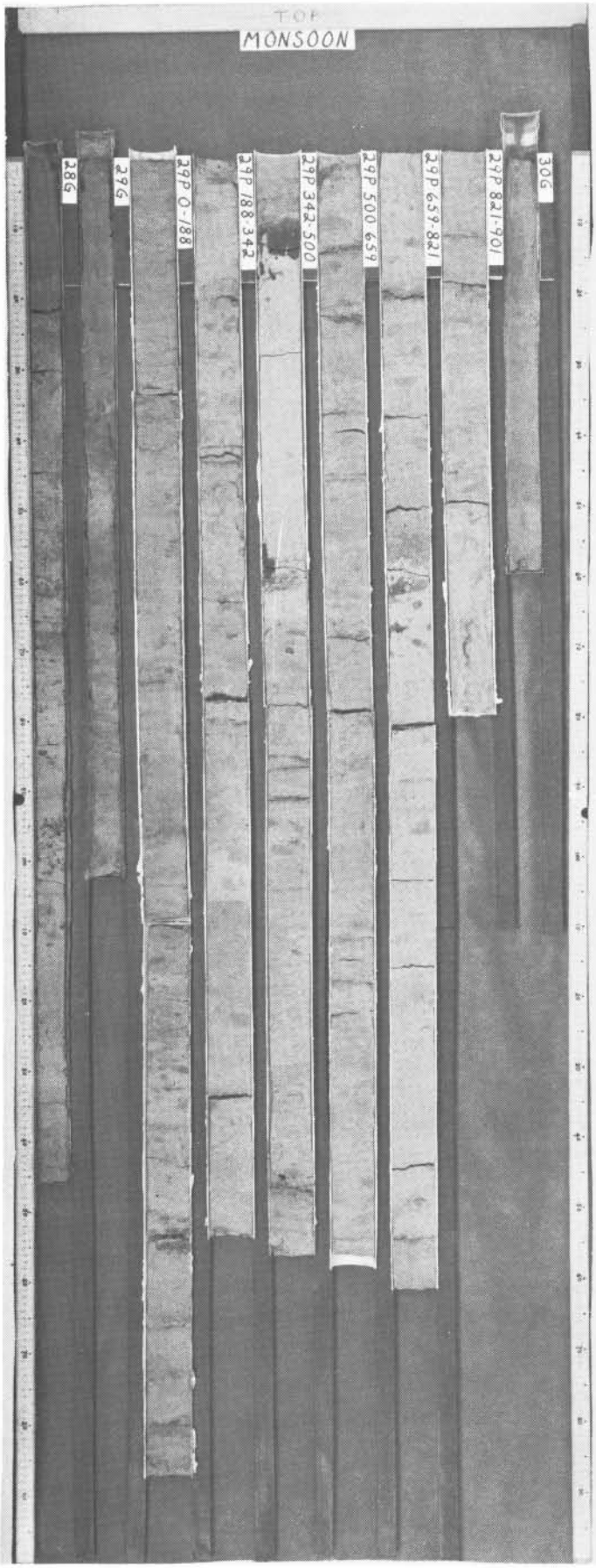
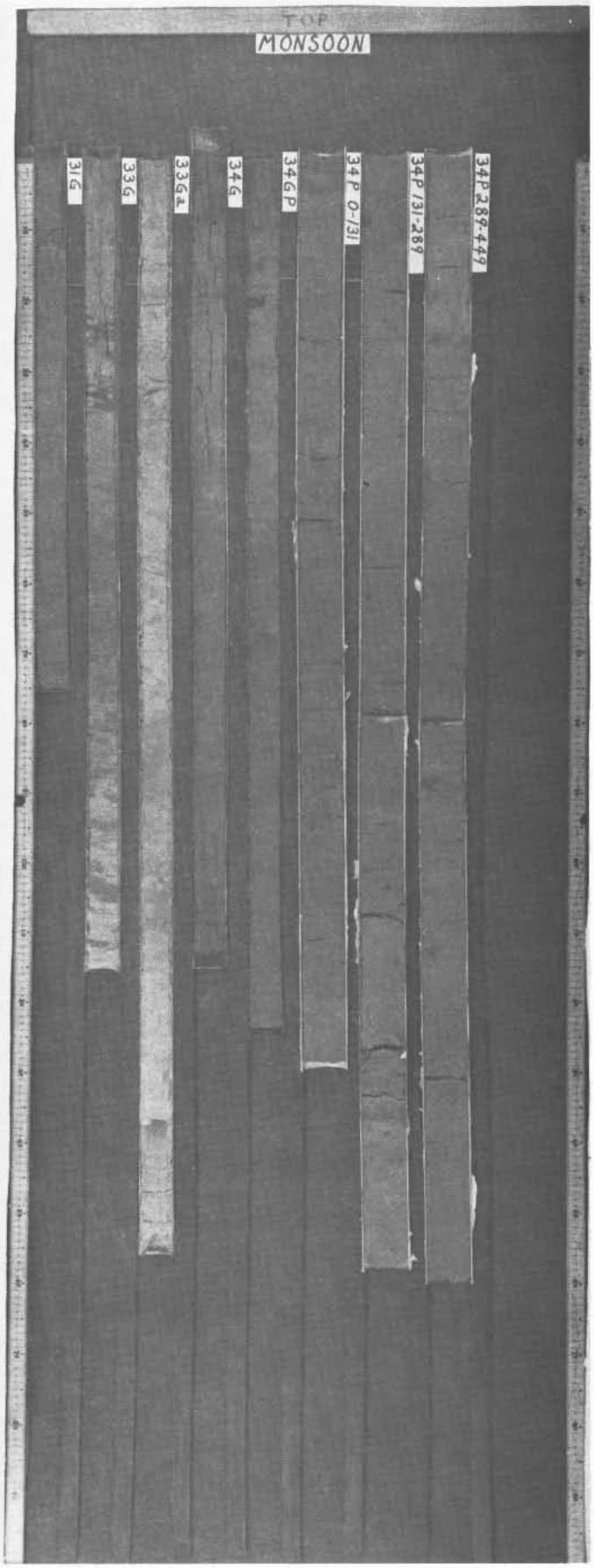
MONSOON
4G
3G
2P 865-952
2P 694-865
694-779 MISSING
2P 519-694
2P 348-519
434-519 MISSING
2P 173-348
2P 0-173
0-173 MISSING
2G


TOP
MONSOON
9G
10G
11G
12G
14G
16G
17G
17Ga
18G
TOP
MONSOON
19G
21G
22G
24G
24P-0-130
24P 130-275
24P 275-331
25G
26G


TOP
MONSOON
28G
29G
29P 0-188
29P 188-342
29P 342-500
29P 500-659
29P 659-821
29P 821-901
30G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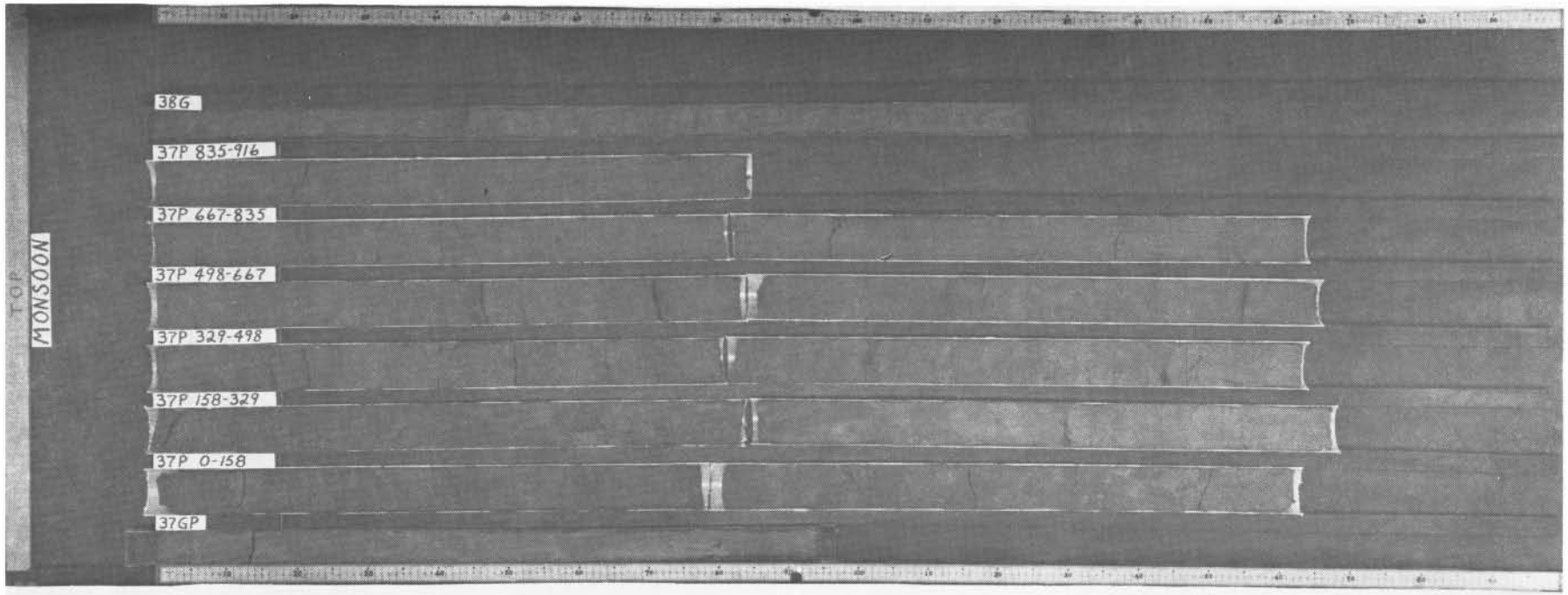
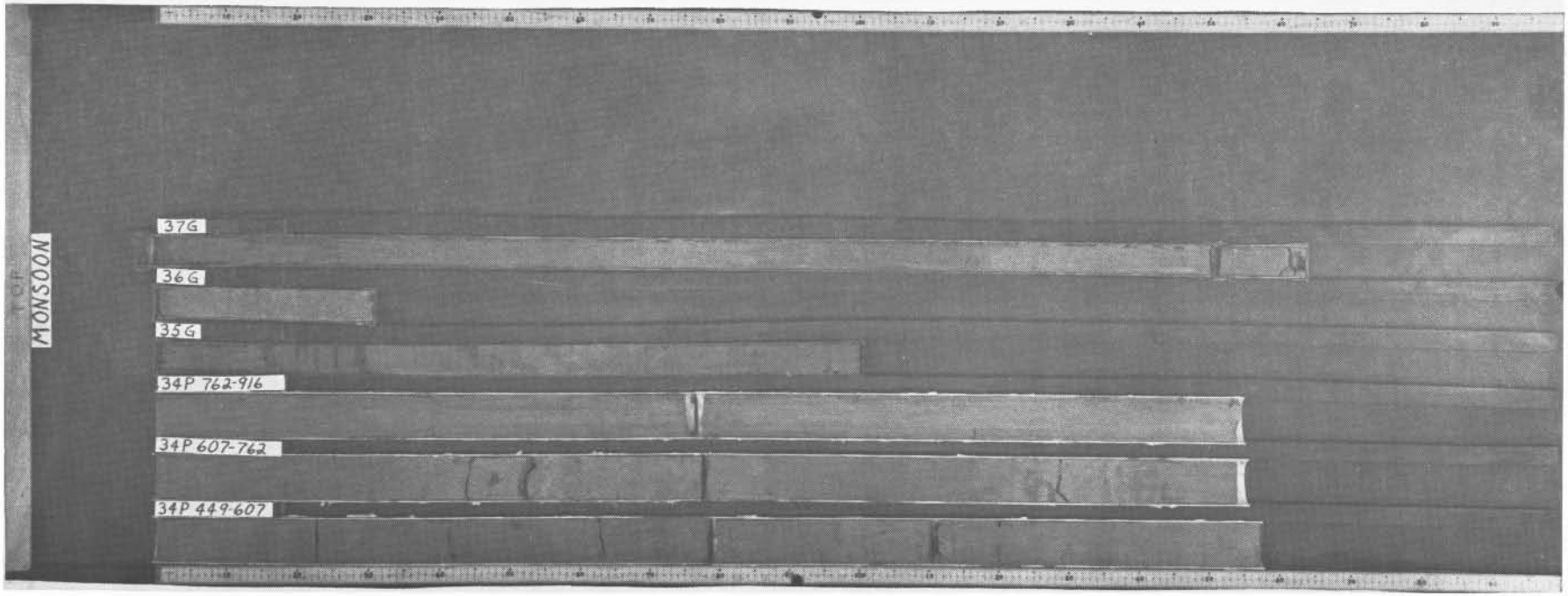
31G
33G
33Ga
34G
34GP
34P 0-131
34P 131-289
34P 289-449


TOP
MONSOON
38G
37P 835-916
37P 667-835
37P 498-667
37P 329-498
37P 158-329
37P 0-158
37GP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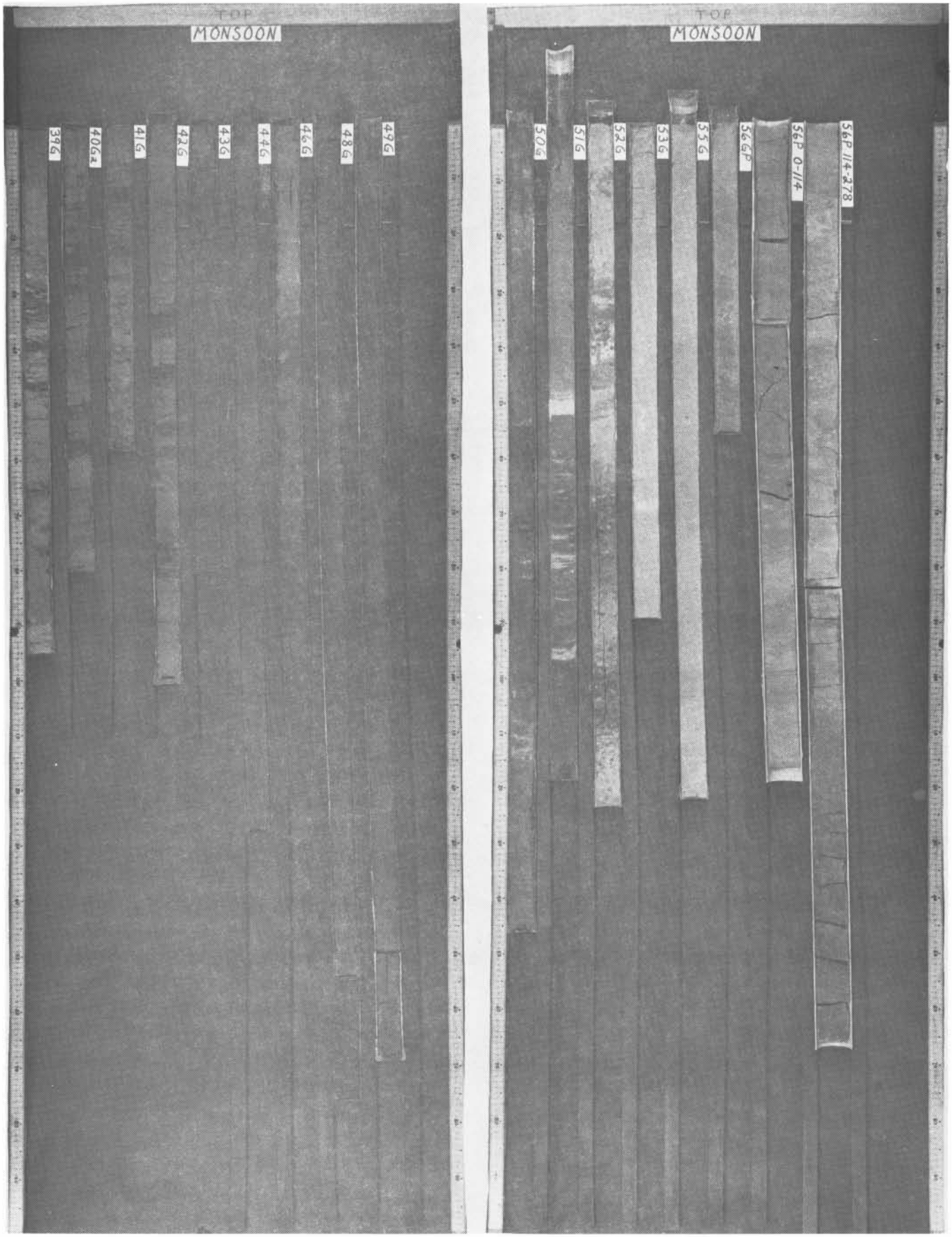
37G
36G
35G
34P 762-916
34P 607-762
34P 449-607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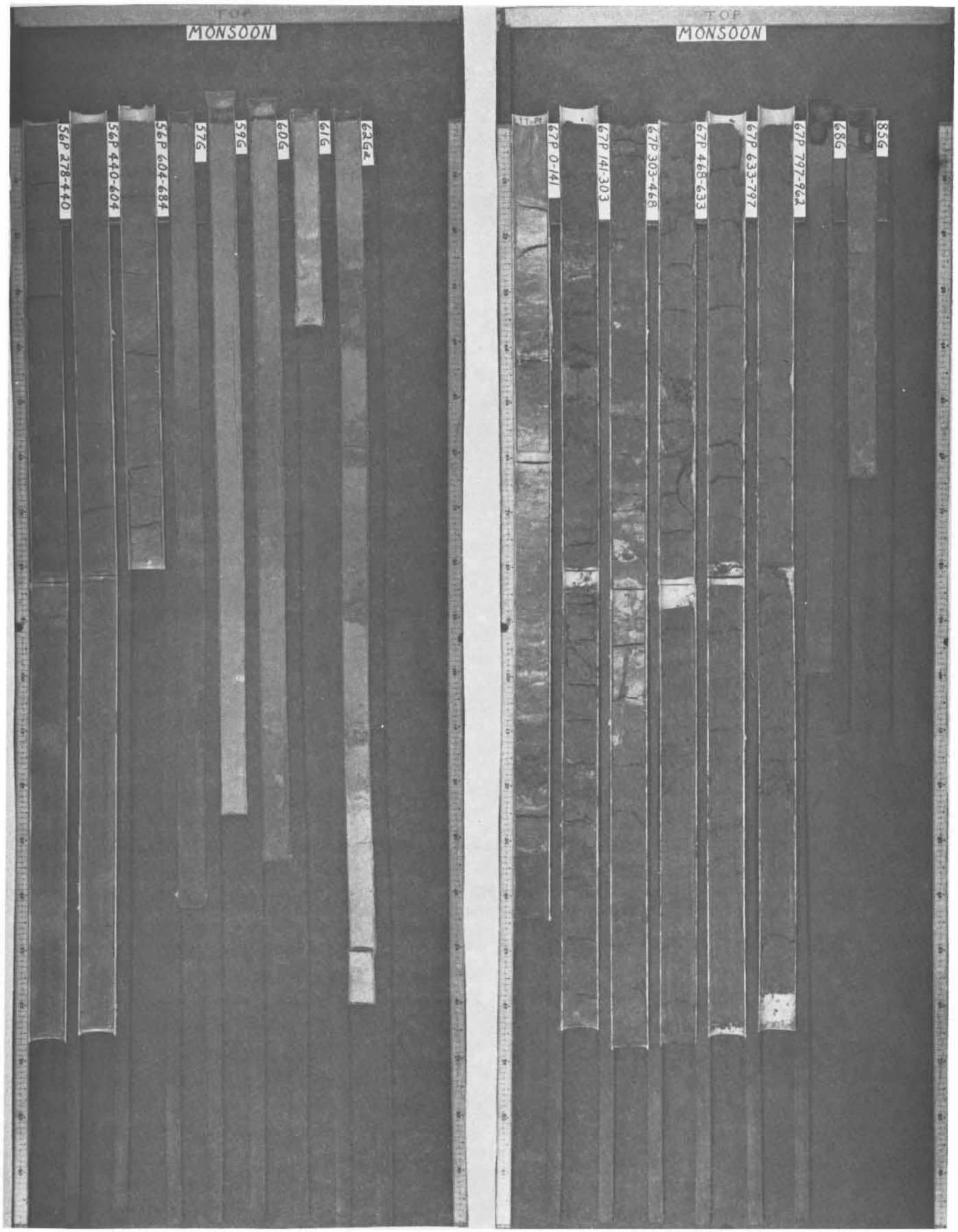
39G
40G
41G
42G
43G
44G
46G
48G
49G
TOP
MONSOON
50G
51G
52G
53G
55G
56GP
56P 0-114
56P 114-278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56P 604-684
57G
59G
60G
61G
62Gz
TOP
MONSOON
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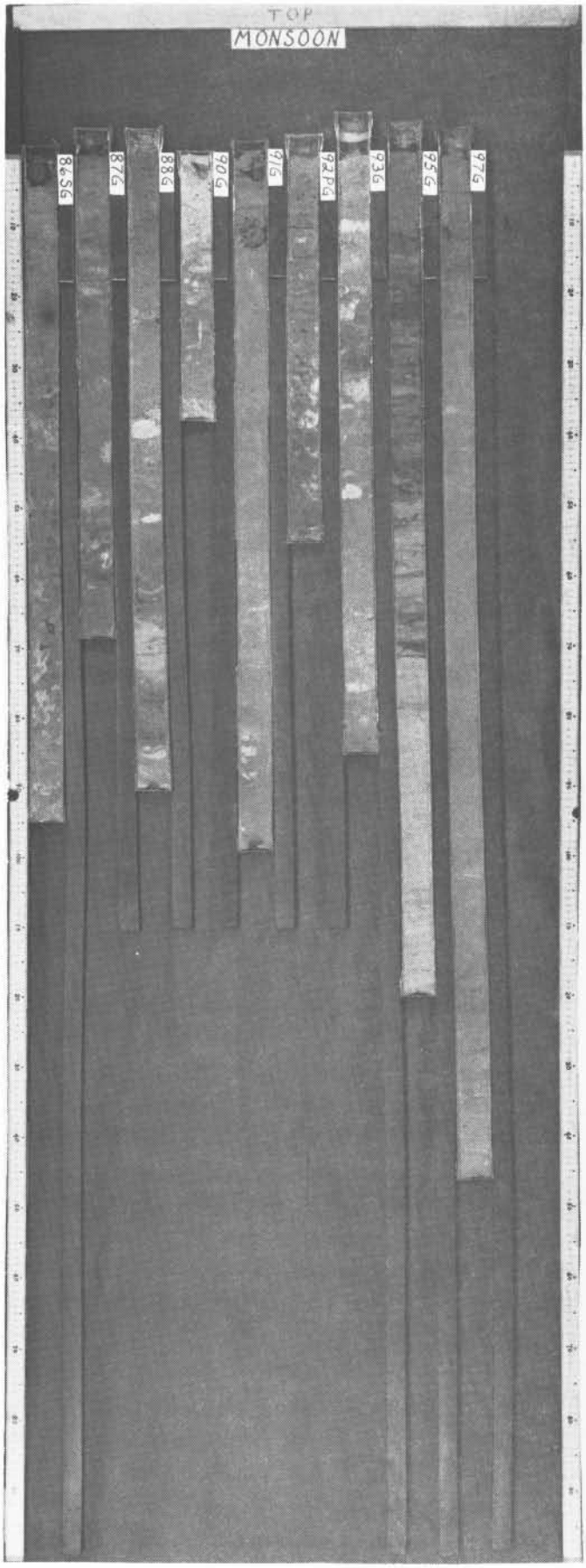
67P 141-303
67P 303-468
67P 468-633
67P 633-797
67P 797-962
68G
85G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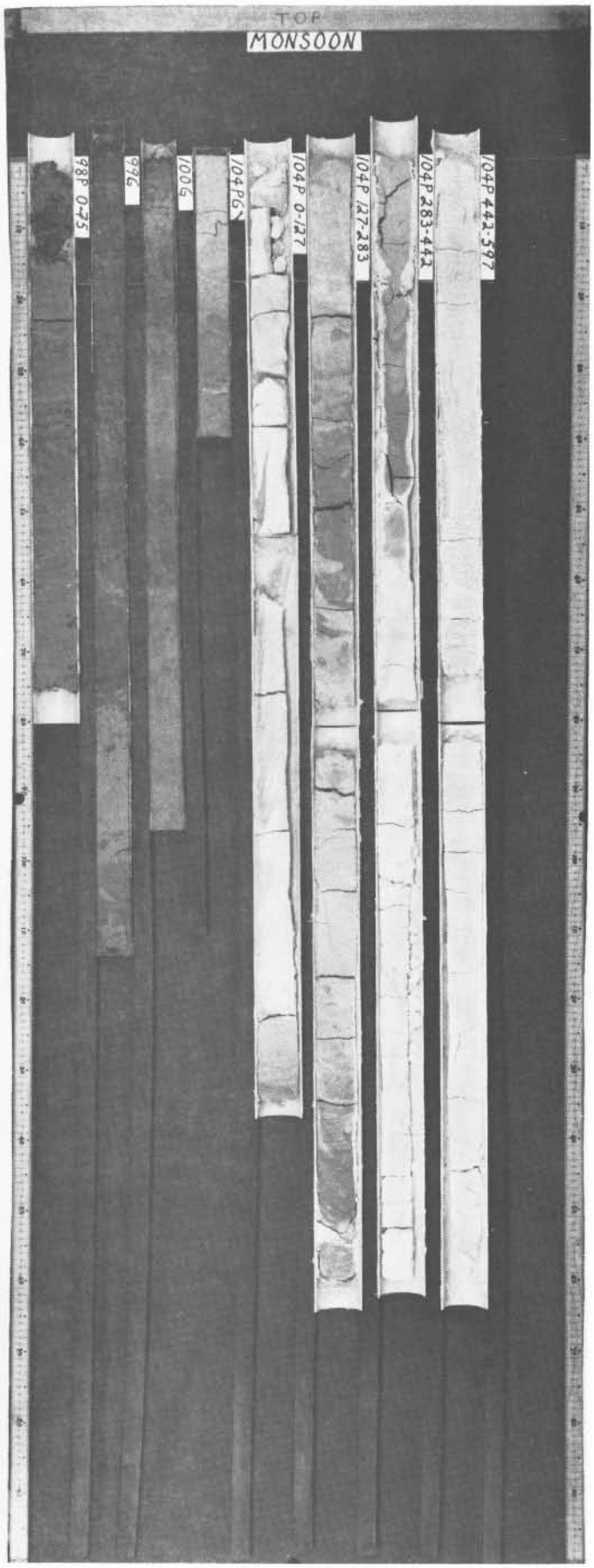
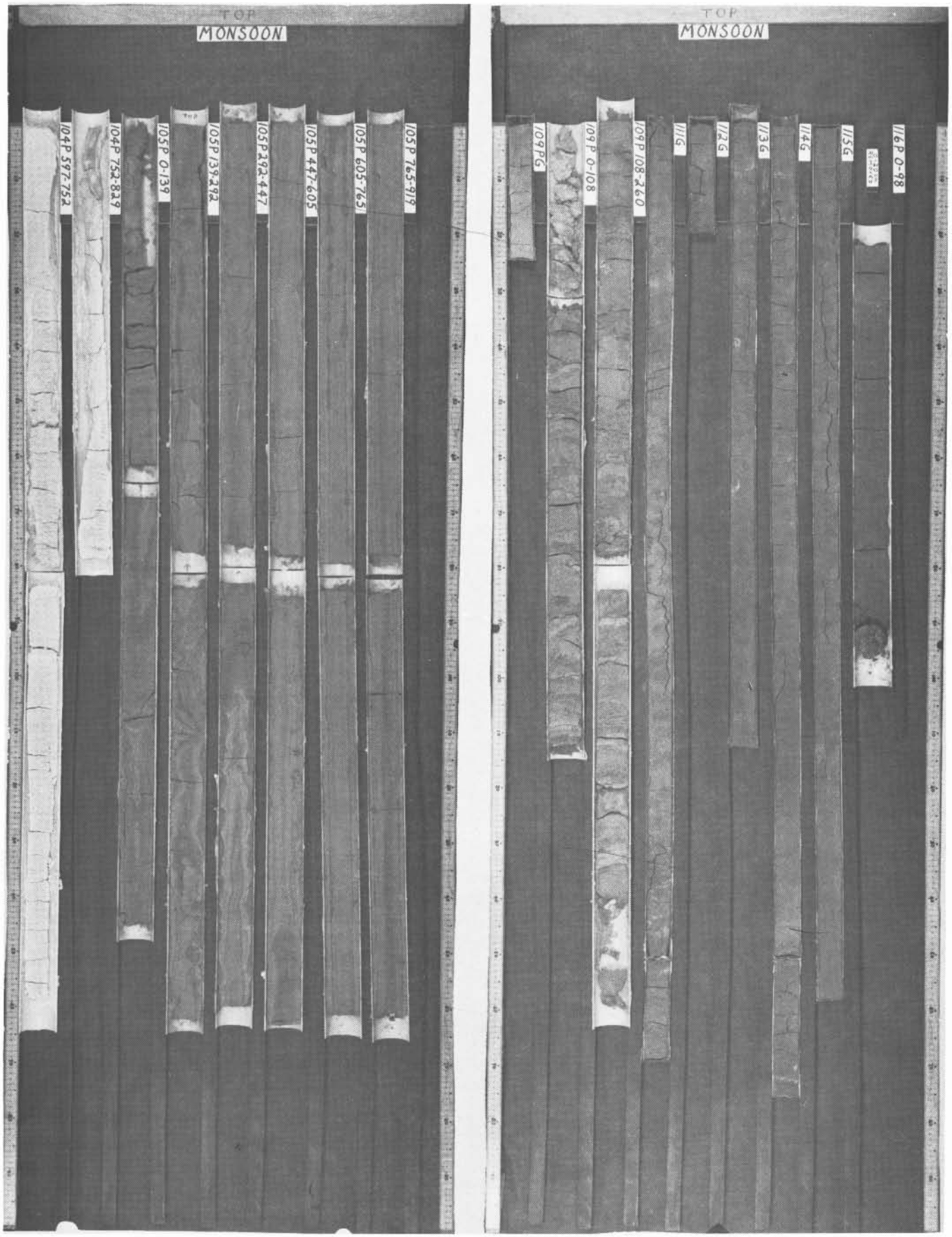
86SG
87G
88G
90G
91G
92PG
93G
95G
97G


TOP
MONSOON
98P 0-35
99G
100G
104PG
104P 0-127
104P 127-283
104P 283-442
104P 442-597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MONSOON
104P 597-752
104P 752-829
105P 0-139
105P 139-292
105P 292-447
105P 447-605
105P 605-765
105P 765-919
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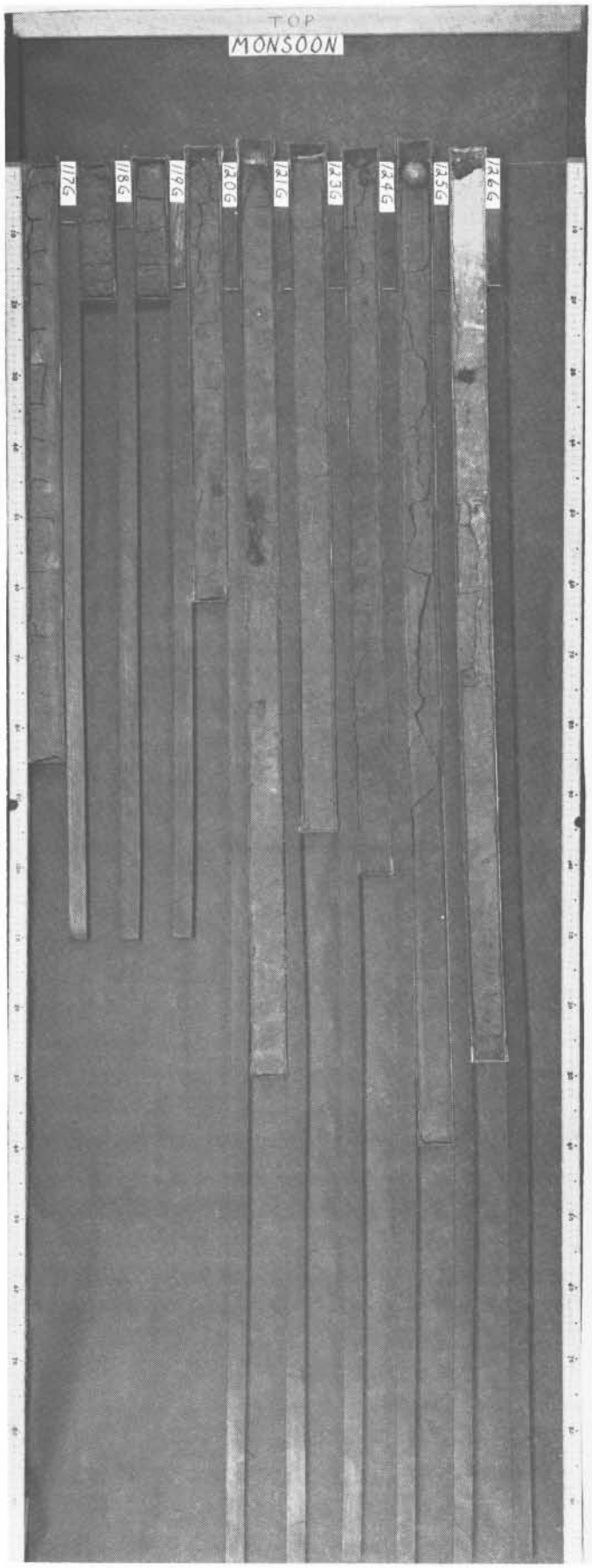
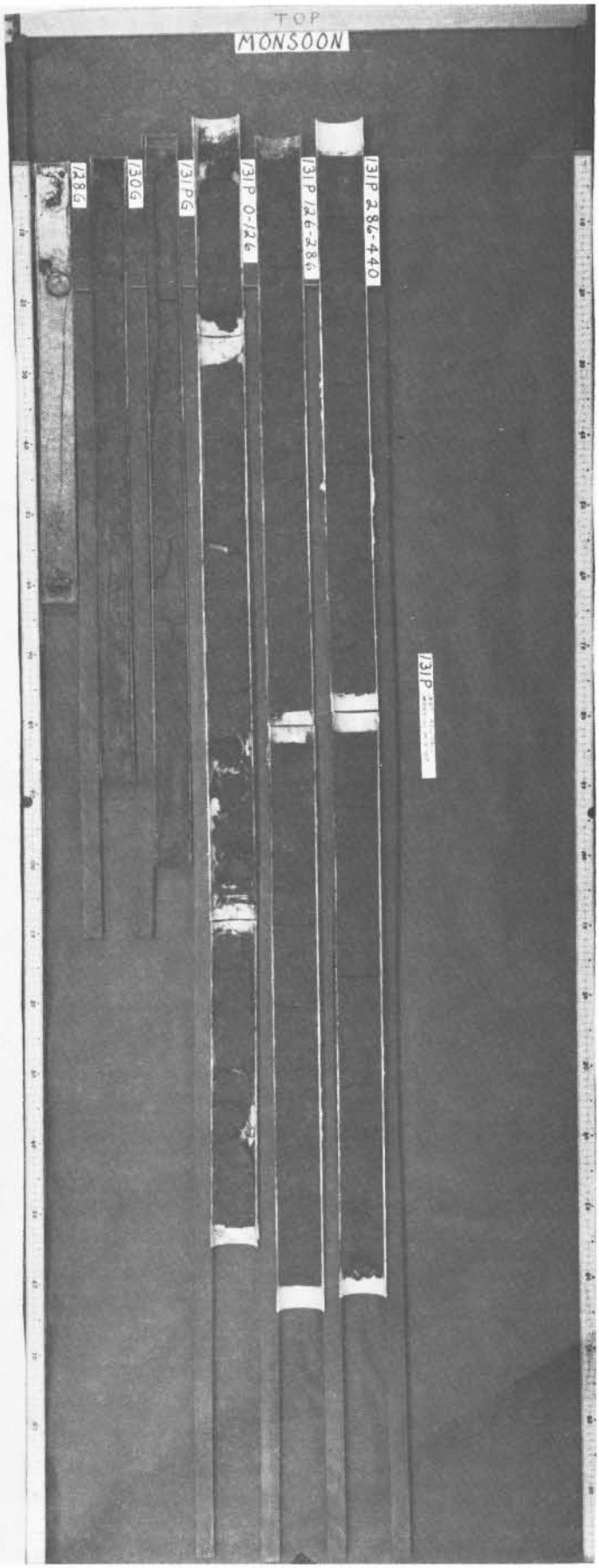
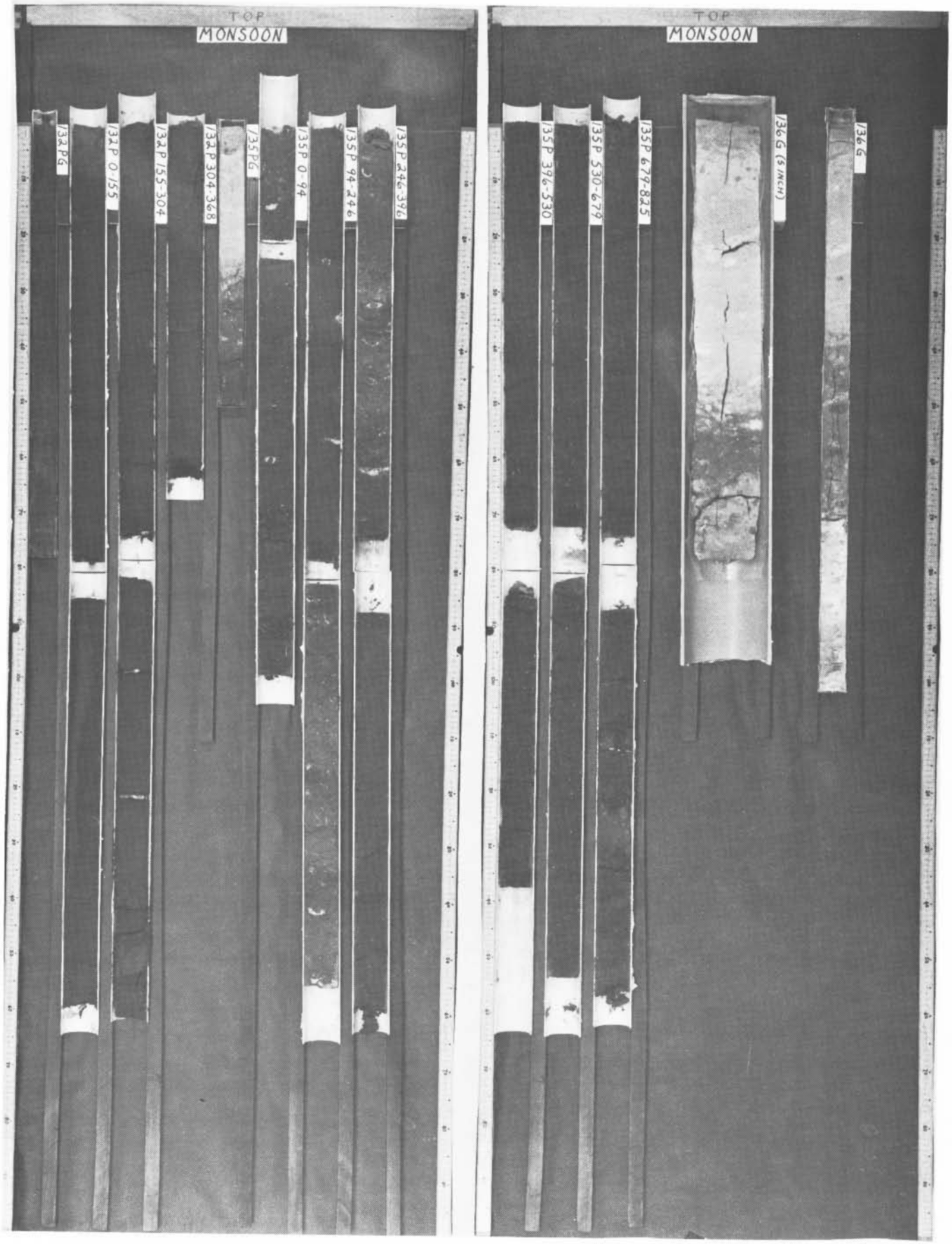
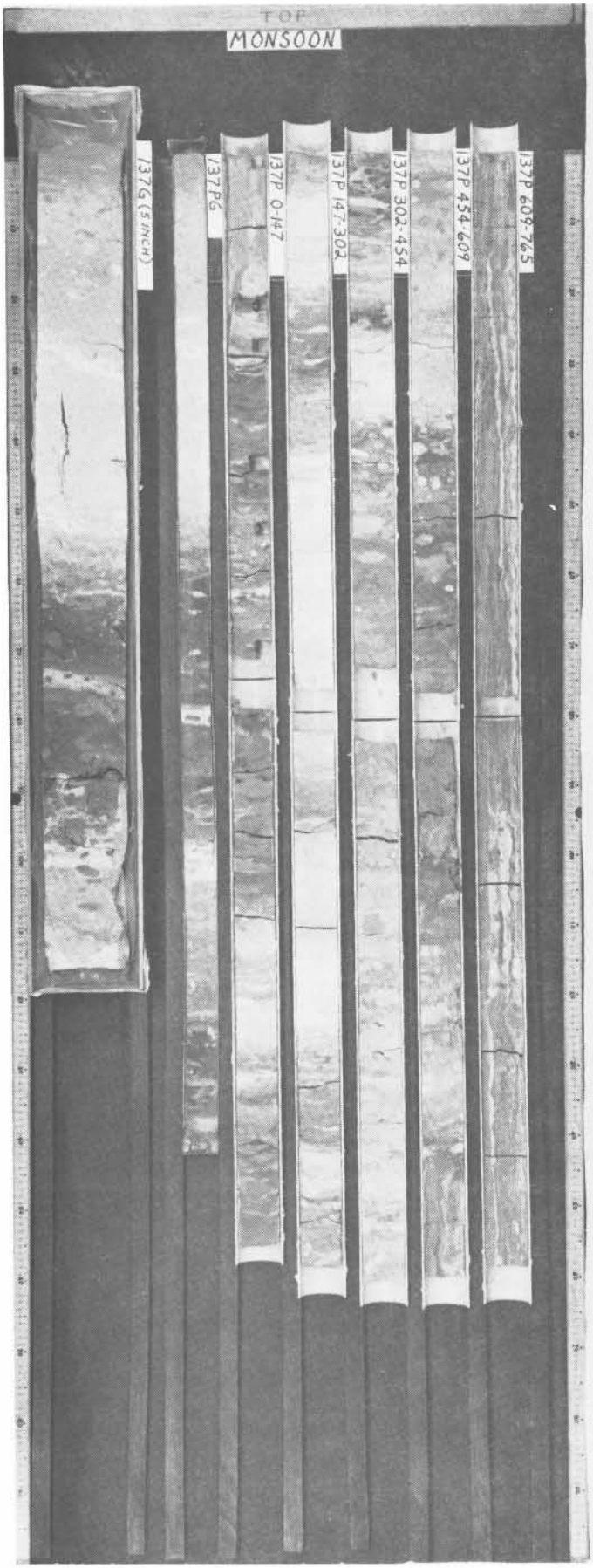
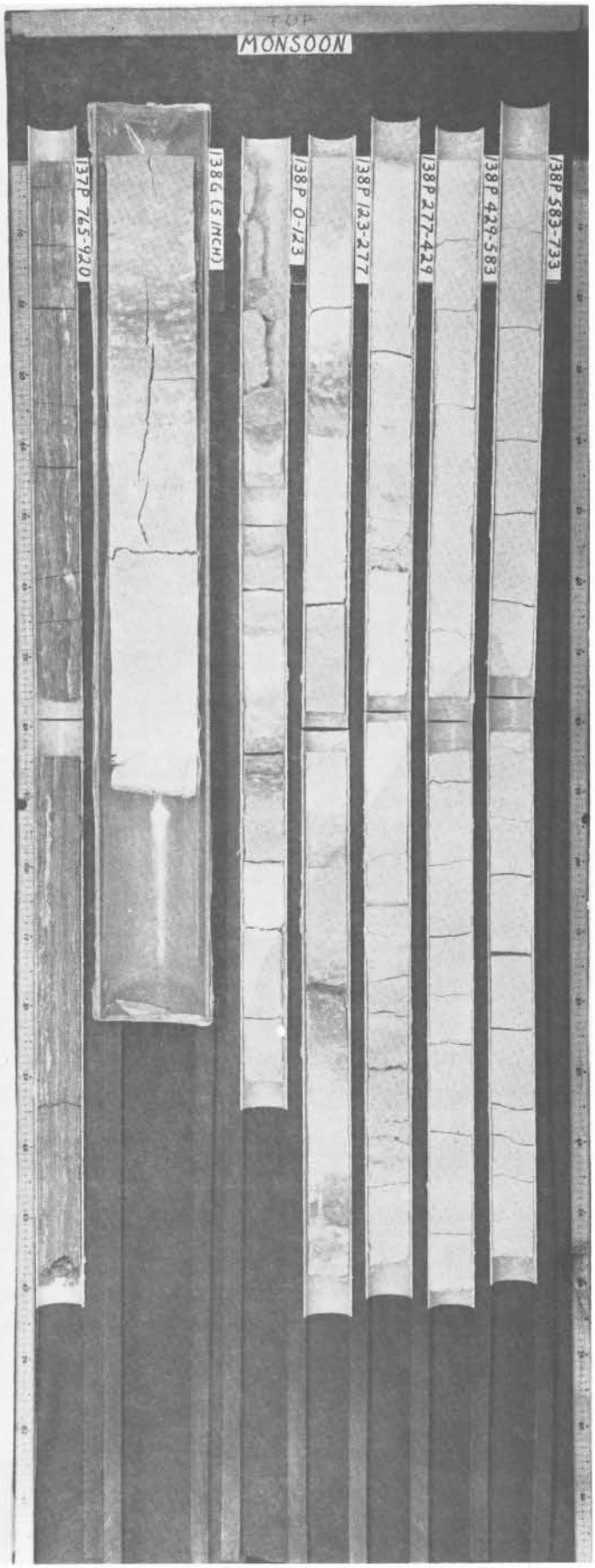
MONSOON
109PG
109P 0-108
109P 108-260
111G
112G
113G
114G
115G
116P 0-98

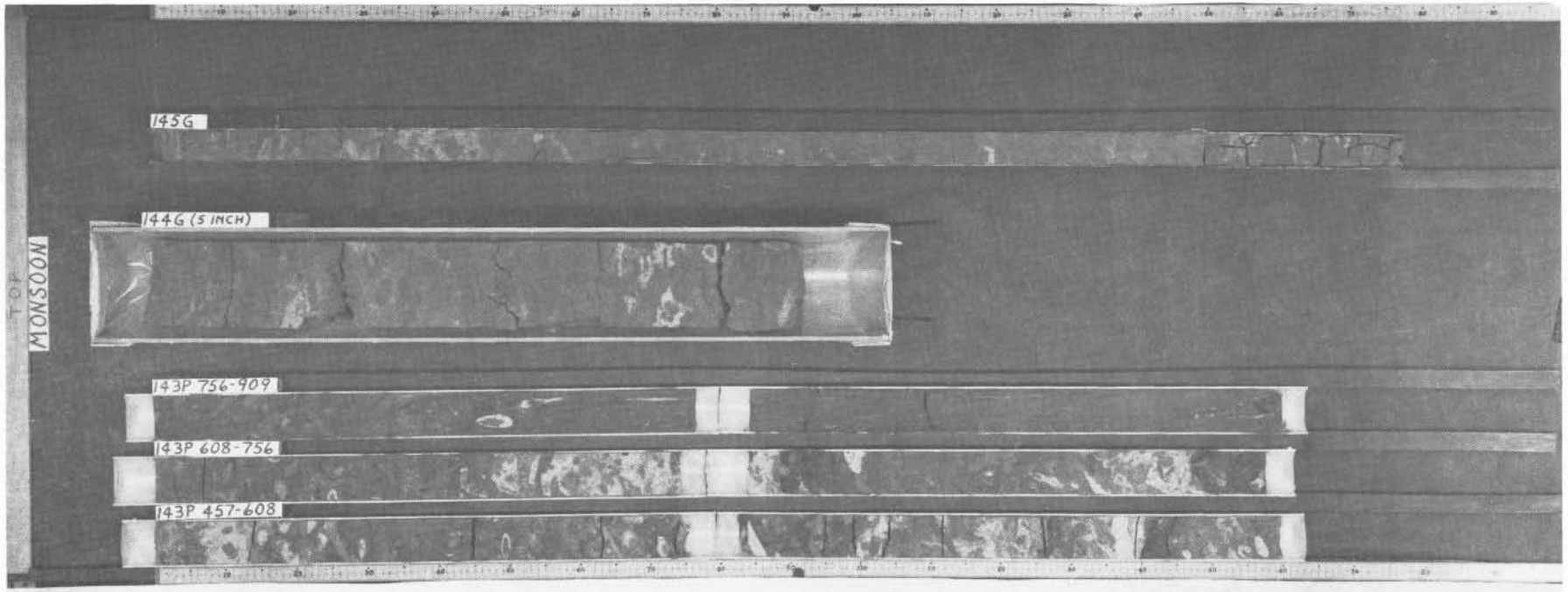

TOP
MONSOON
117G
118G
119G
120G
121G
123G
124G
125G
126G

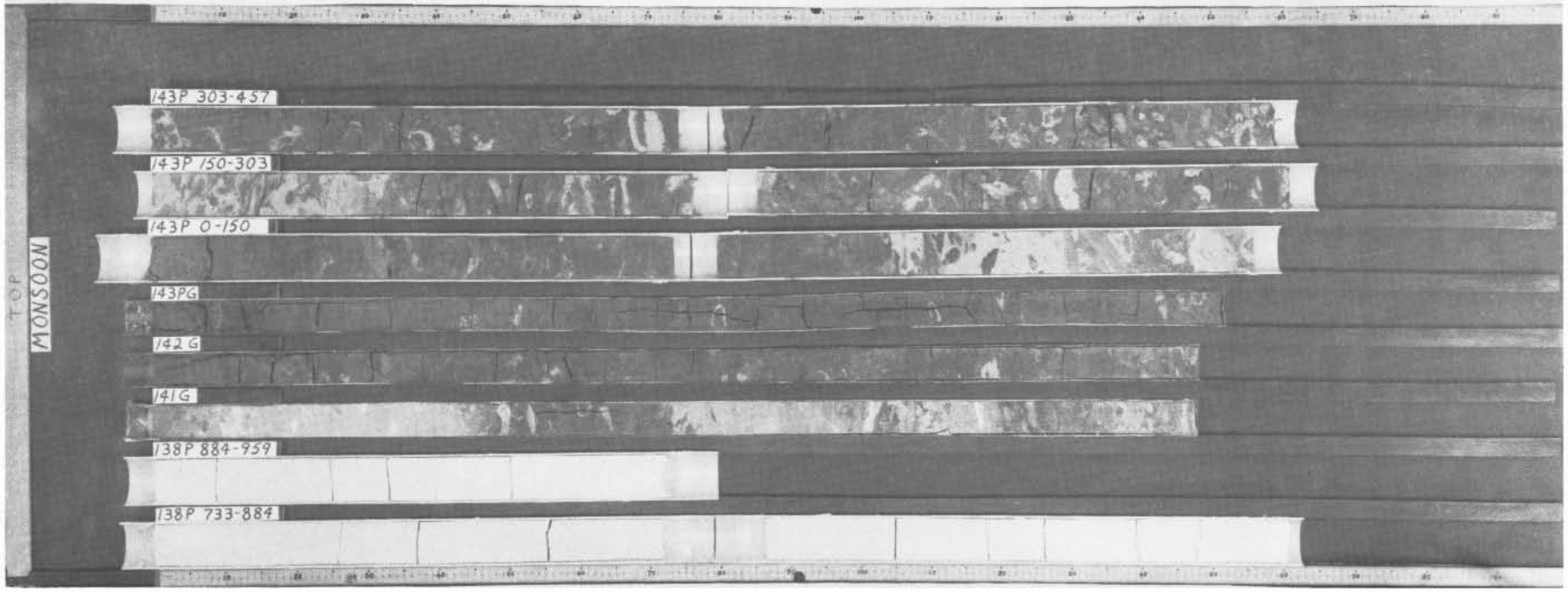

TOP
MONSOON
128G
130G
131PG
131P 0-126
131P 126-286
131P 286-440
131P

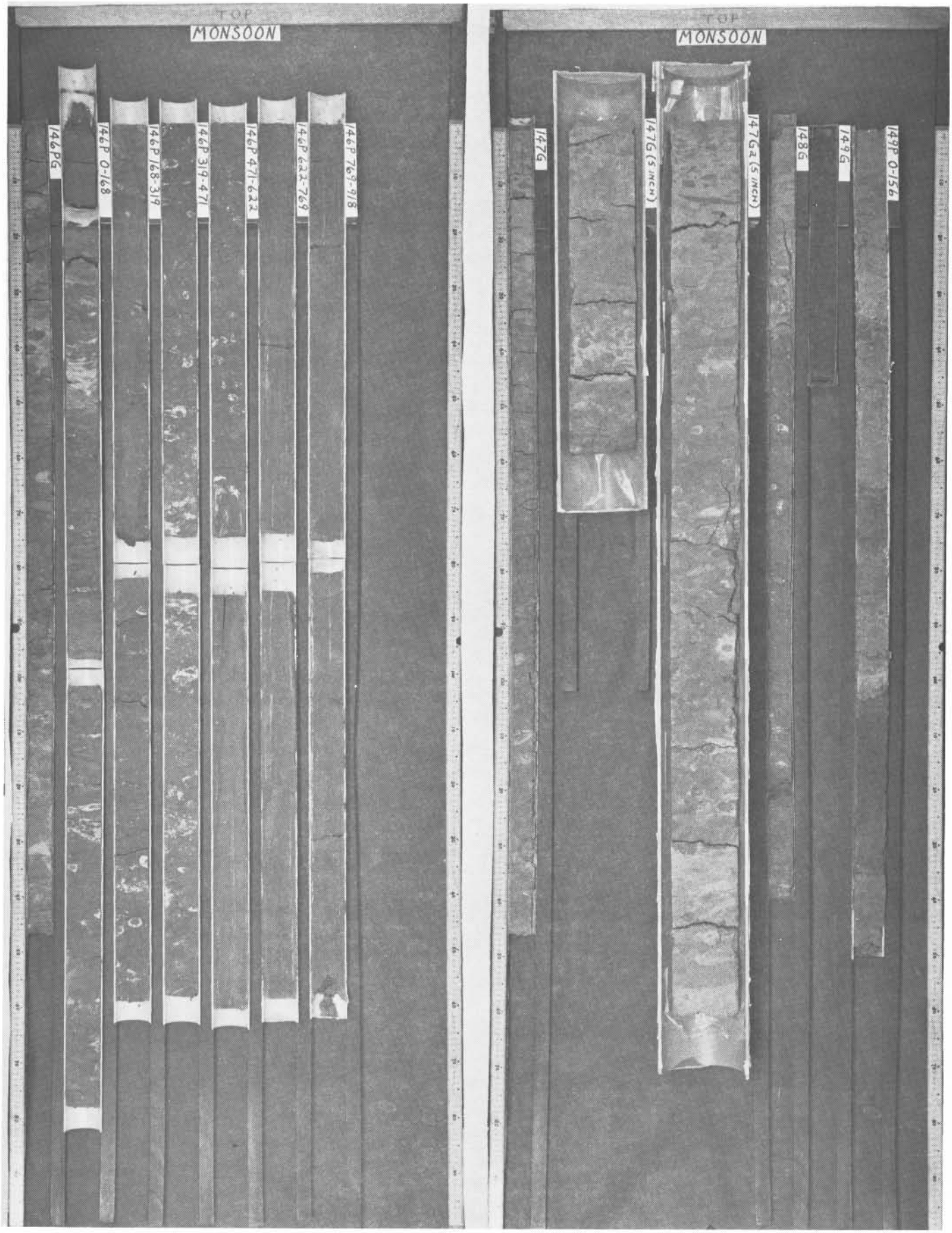

TOP
MONSOON
132PG
132P 0-155
132P 155-304
132P 304-368
135PG
135P 0-94
135P 94-246
135P 246-396
TOP
MONSOON
135P 396-530
135P 530-679
135P 679-825
136G (5 INCH)
136G

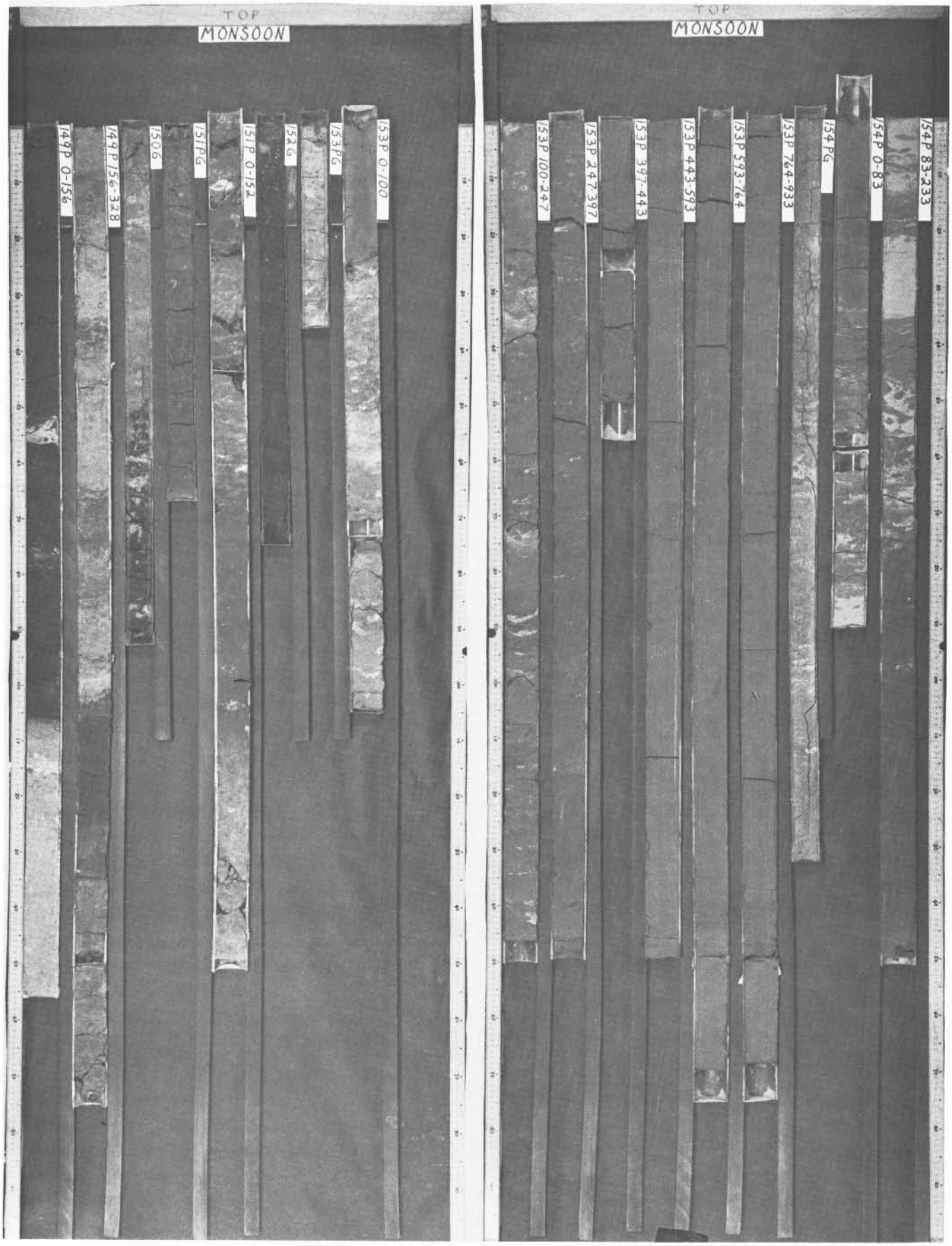

TOP
MONSOON
137G (5 INCH)
137PG
137P 0-147
137P 147-302
137P 302-454
137P 454-609
137P 609-765

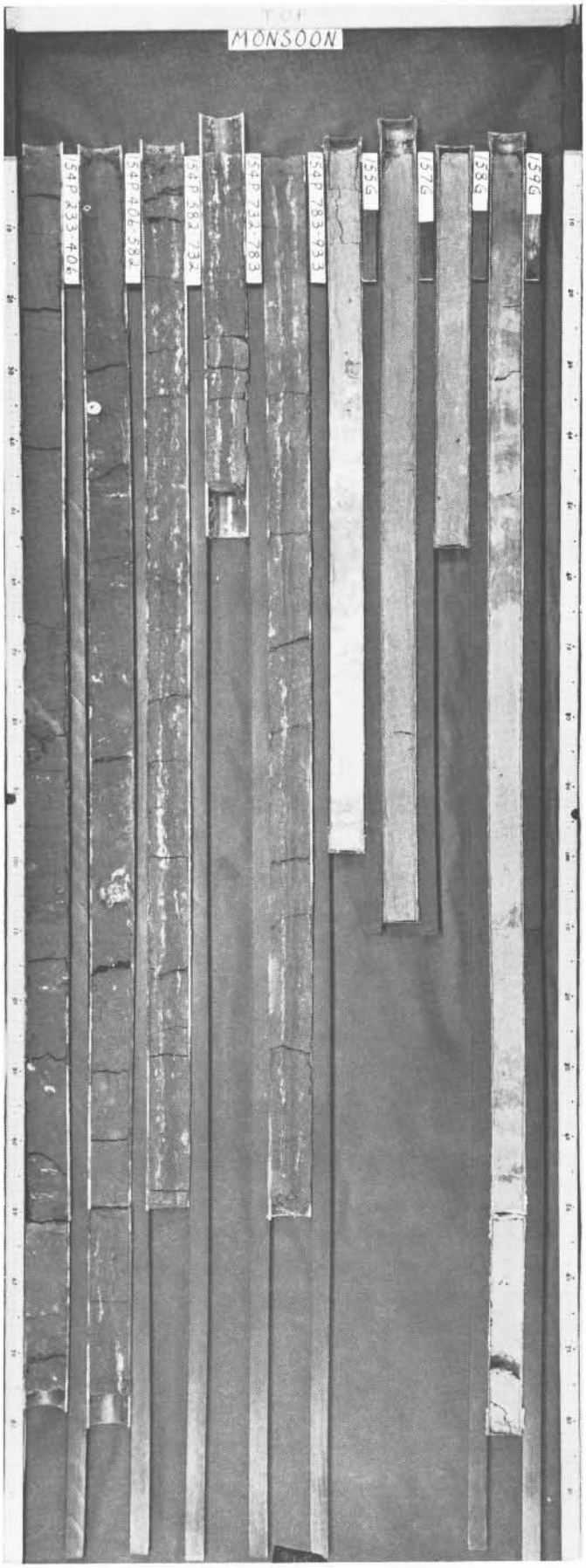

TOP
MONSOON
137P 765-920
138G (5 INCH)
138P 0-123
138P 123-277
138P 277-429
138P 429-583
138P 583-733


TOP
MONSOON
145G
144G (5 INCH)
143P 756-909
143P 608-756
143P 457-608


TOP
MONSOON
143P 303-457
143P 150-303
143P 0-150
143PG
142G
141G
138P 884-959
138P 733-884


TOP
MONSOON
146PG
146P 0-168
146P 168-319
146P 319-471
146P 471-622
146P 622-769
146P 769-918
TOP
MONSOON
147G
147G (5 INCH)
147G2 (5 INCH)
148G
149G
149P 0-156


TOP
MONSOON
149P 0-156
149P 156-328
150G
151PG
151P 0-152
152G
153PG
153P 0-100
TOP
MONSOON
153P 100-247
153P 247-397
153P 397-443
153P 443-593
153P 593-764
153P 764-933
154PG
154P 0-83
154P 83-233


TOP
MONSOON
54P 233-406
54P 406-582
54P 582-734
54P 734-783
54P 783-933
55G
57G
58G
59G