CORE LOG

Date 26 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 01

Latitude ~~13° 30.8'~~ 13° 33.2' Longitude 90° ~~39.0'~~ 41.8' Sea 1-2 Ship Station ____

Location ~~PACIFIC GUATEM.~~ CANYON AXIS OFF GUATEMALA

Bottom topography SLOPING CANYON SIDES

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2 1/2"

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

z = +6

Time Lowered 1646 PDR Depth 365 fm Nature of Hit Good

Time Messenger 1655 Counter Depth 290 fm Wire Out at Hit 391 fm

Time Hit 1559 PDR Depth 385 fm Wire Angle at Hit Low 0°

Time Surfaced 1610 PDR Depth 385 fm Pull Out EASY

Depth of Penetration 614 cm Trigger Core Length 41 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) O.K.

Method of Extrusion LINER

Total Core Length 415 cm No. Gutter Pipe Filled 1 1/2

Estimate of Good Core 415 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 26 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 02

Latitude 13° 35.8' Longitude 90° ~~56.0~~ 55.7' Sea 1-3 Ship Station ____

Location PACIFIC OCEAN - SHELF

Bottom topography FLAT

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

z = +6

Time Lowered 1823 PDR Depth ~~42~~ fm Nature of Hit GOOD

Time Messenger 1824 Counter Depth 20 fm Wire Out at Hit 38 fm

Time Hit 1825 PDR Depth 42 fm Wire Angle at Hit 0°

Time Surfaced 1827 PDR Depth 42 fm Pull Out EASY

Depth of Penetration 84 cm Trigger Core Length 0 cm cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 67 cm No. Gutter Pipe Filled 1/2

Estimate of Good Core 67 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nephelometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 26 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 03

Latitude 13° 20.0' (SAT FIX 19.88) Longitude 91° 05.3' Sea 2-4 Ship Station ____

Location PACIFIC OCEAN ~~OUTER~~ MIDDLE SHELF

Bottom topography ____

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63.9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 11 ft. (Z = +6) Length free fall 12 ft. Pipe Wall thickness 1/4 in.

****

Time Lowered 2127Z PDR Depth 71 fm Nature of Hit GOOD

Time Messenger 2129Z Counter Depth 40 fm Wire Out at Hit 67 fm

Time Hit 2130 Z PDR Depth 71 fm Wire Angle at Hit ~~66~~ 0°

Time Surfaced 2137Z PDR Depth 71 fm Pull Out EASY

****

Depth of Penetration 229 cm Trigger Core Length 0 cm cm

Mud on Piston - yes ✓ no ____

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 181 cm No. Gutter Pipe Filled 1/2

Estimate of Good Core 181 cm Estimate of Flow-in 0 cm

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 27 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 04

Latitude 13° 10.06' Longitude -90° 43.9' Sea 2-3 Ship Station ____

Location PACIFIC OCEAN ; MID SHELF CANYON

Bottom topography CANYON WALL

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 0031 Z PDR Depth 906 fm Nature of Hit GOOD

Time Messenger 0054Z Counter Depth 600 fm Wire Out at Hit 931 fm

Time Hit 0101 Z PDR Depth 928 fm Wire Angle at Hit 0°

Time Surfaced 0118 Z PDR Depth 929 fm Pull Out EASY

Depth of Penetration 790 cm Trigger Core Length 30 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 710 cm No. Gutter Pipe Filled 2½

Estimate of Good Core 710 cm. Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem. Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 27 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 05

Latitude 13° 11.8' Longitude -90° 42.7' Sea 1 Ship Station ____

Location PACIFIC OCEAN OFF EL SALVADOR

Bottom topography ACCRETED RIDGE OUTCROP (NW SIDE OF CANYON)

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 1625 Z PDR Depth 907 fm Nature of Hit GOOD

Time Messenger 1640 Z Counter Depth 400 fm Wire Out at Hit 917 fm

Time Hit 1654 Z PDR Depth 907 fm Wire Angle at Hit 0°

Time Surfaced 1735 Z PDR Depth 908 fm Pull Out MODERATELY EASY

Depth of Penetration 580 cm Trigger Core Length 40 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 270 cm No. Gutter Pipe Filled 1

Estimate of Good Core 270 Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 27 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 06

Latitude 13° 03.0' N Longitude 90° 47.8' W Sea 1 Ship Station

Location PACIFIC OCEAN - OFF GUATEMALA & EL SALVADOR

Bottom topography SLOPING PELAGIC DRAPE MATERIAL

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

****

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 2000Z PDR Depth 1118 fm Nature of Hit GOOD

Time Messenger 2012Z Counter Depth 500 fm Wire Out at Hit 1125 fm

Time Hit 2034Z PDR Depth 1117 fm Wire Angle at Hit 0°-1°

Time Surfaced 2101Z PDR Depth 1116 fm Pull Out GOOD / EASY

Depth of Penetration 1145 cm Trigger Core Length 29 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 709 cm No. Gutter Pipe Filled 2½

Estimate of Good Core 709 cm, Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nephelometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 27 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 07

Latitude 12 51.3'N Longitude 96° 52.8'W Sea 3 Ship Station

Location PACIFIC OCEAN — LANDWARD SCARP ABOVE 1ST BENCH

Bottom topography SLOPING

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness 1/4 in.

z = +6

Time Lowered 2300Z PDR Depth 2194 fm Nature of Hit

Time Messenger 2319Z Counter Depth 500 fm Wire Out at Hit 2257 fm

Time Hit 0016Z PDR Depth 2208 fm Wire Angle at Hit 3°

Time Surfaced 0110Z PDR Depth 2164 fm Pull Out MODERATE

Depth of Penetration 400? cm Trigger Core Length 29 cm

Mud on Piston - yes no —

Condition of Cutting Edge and Pipe (Pipes bent ? where?) LEADING PIPE BENT 30° AT 5 FEET ABOVE CUTTING EDGE

Method of Extrusion LINER

Total Core Length 384 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 384 cm Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem. Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

NOTE:

A 282 cm GAP FOUND AND CUT OUT IN LOWER LINER. CONSEQUENTLY, A to B IS SHORT SECTION AND B TO BOTTOM IS SOMEWHAT ~~SHORT~~ AS WELL.

- TOP - A
  A - B
  B - ~~Bottom~~

34

CORE LOG

Date 28 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 08

Latitude 12° 50.8' N Longitude 90° 53.2' W Sea 2 Ship Station ____

Location PACIFIC OCEAN, SMALL BASIN LANDWARD OF TRENCH OFF GUATEMALA

Bottom topography FLAT

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness ¼ in.

Z = +6

****

Time Lowered 2222 Z PDR Depth 2144 fm Nature of Hit GOOD

Time Messenger 2237 Z Counter Depth 500 fm Wire Out at Hit 2178 fm

Time Hit 2308 Z PDR Depth 2138 fm Wire Angle at Hit 0°

Time Surfaced 2352 Z PDR Depth 2137 fm Pull Out MODERATELY EASY

****

Depth of Penetration 960 cm Trigger Core Length 24" cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 613~~579~~ cm No. Gutter Pipe Filled 2

Estimate of Good Core 613~~579~~ cm Estimate of Flow-in 0 cm.

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem. Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

NOTE: A SMALL PIECE OF MATERIAL SELF EXTRUDED ITSELF FROM TOP OF LINER. THIS PIECE WAS INSERTED INTO TWO 6" LINER PIECES LABELED TRUE TOP - A, AND A - B. B - C AND C-BOTTOM ARE BOTH ~10' SECTIONS

TRUE TOP - A
A - B
B - C
C - BOTTOM

CORE LOG

Date 29 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 09

Latitude 12° 49.2' N Longitude 90° 56.2' W Sea 1 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA - LANDWARD SIDE OF TRENCH WALL

Bottom topography SLOPING SCARP BELOW BASIN CORED IN #08

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2 1/2

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 1301 Z PDR Depth 2232 fm Nature of Hit GOOD

Time Messenger 1310 Z Counter Depth 500 fm Wire Out at Hit 2336 fm

Time Hit 1345 Z PDR Depth 2270 fm Wire Angle at Hit 1°

Time Surfaced 1434 Z PDR Depth 2300 fm Pull Out EASY

Depth of Penetration 420 cm Trigger Core Length 0 cm

Mud on Piston - yes ____ no ←

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 56 cm No. Gutter Pipe Filled < 1/2

Estimate of Good Core 56 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 29 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 10

Latitude 12° 47.9'N Longitude 90° 57.4'W Sea 2 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography SMALL BASIN ~~JUST~~ LANDWARD OF TRENCH AXIS - FLAT

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness 1/4 in.

Time Lowered 1603 Z = +6 PDR Depth 2444 fm Nature of Hit GOOD

Time Messenger 1611 Z Counter Depth 500 fm Wire Out at Hit 2500 fm

Time Hit 1647 Z PDR Depth 2445 fm Wire Angle at Hit 0°

Time Surfaced 1746 Z PDR Depth 2465 fm Pull Out MODERATE ~~EASY~~

Depth of Penetration 835 cm Trigger Core Length 36 cm

Mud on Piston - yes _____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 797 cm No. Gutter Pipe Filled 2½

Estimate of Good Core 797 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem. Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JctNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 29 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 11

Latitude 12°46.6'N Longitude 90°58.6'W Sea _____ Ship Station _____

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography SCARP LANDWARD OF TRENCH ; SLOPING

No. and Depth sub-bottom reflections PDR _____

Profiler _____ Sheet No. _____

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2 1/2

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

****

Time Lowered 1915 Z PDR Depth 2624 fm Nature of Hit GOOD

Time Messenger 1923 Z Counter Depth 500 fm Wire Out at Hit 2732 fm

Time Hit 2006 Z PDR Depth 2654 fm Wire Angle at Hit 0°

Time Surfaced 2108 Z PDR Depth 2657 fm Pull Out MODERATE

****

Depth of Penetration 635 * cm Trigger Core Length 38 cm

Mud on Piston - yes _____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) _____

Method of Extrusion LINER

Total Core Length 357 cm No. Gutter Pipe Filled 1 1/2

Estimate of Good Core 357 Estimate of Flow-in 0 cm

****

* NOTE MUD FOUND 20 cm ABOVE BASE OF CORE HEAD WEIGHT

CORRELATIVE STATION DATA:

Camera Station No. _____ Thermograd _____ No. of Probes _____

Geochem Water Bbl. No. _____ Barrel above Core _____ fm

Particulate Water Bbl. No. _____ Barrel above Core _____ fm

Nepholometer Station No. (LSM) _____ Camera Dredge No. _____

Rock Dredge _____ Trawl _____ Core Head Camera No. _____

Tripod Core _____ Tripod T-Grad _____ Current Meter _____

Biology: Multiple Plankton _____ JetNet _____ JK _____ Plankton _____

Picture of Compass when pipe is in mud - yes _____ no _____

CORE LOG

Date 29 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 12

Latitude 12° 43.2' N Longitude 90° 57.4' W Sea 2 Ship Station ____

Location PACIFIC OCEAN - OFF GUATEMALA

Bottom topography SMALL BASIN LANDWARD OF TRENCH AXIS

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 639" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness ¼ in.

Z = +6

****

Time Lowered 2236Z PDR Depth 2897 fm Nature of Hit GOOD

Time Messenger 2245Z Counter Depth 500 fm Wire Out at Hit 2955 fm

Time Hit 2330 Z PDR Depth 2870 fm Wire Angle at Hit 2°

Time Surfaced 0047Z PDR Depth 2860 fm Pull Out MODERATE

****

Depth of Penetration 1050 cm Trigger Core Length 39 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 786 cm No. Gutter Pipe Filled 2½

Estimate of Good Core 786 cm Estimate of Flow-in 0 cm

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

NOTE : TOP-A AND A-B ARE SMALL SECTIONS WHICH NEEDED SEPARATION DUE TO 3" HOLE BROKEN OUT OF SIDE OF LINER.

TOP-A
A-B
B-C
C-BOTTOM

CORE LOG

Date 30 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 13

Latitude 12° 44.5' N Longitude 90° 58.8' W Sea 2 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA SLOPING SEAWARD

Bottom topography SCARP CLOSEST TO AXIS OF TRENCH

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness ¼ in.

Z=+6

Time Lowered 1457 Z PDR Depth 2900 fm Nature of Hit GOOD

Time Messenger 1505 Z Counter Depth 500 fm Wire Out at Hit 3020 fm

Time Hit 1547 Z PDR Depth 2892 fm Wire Angle at Hit 2°

Time Surfaced 1726 Z PDR Depth 2828 fm Pull Out MODERATE

Depth of Penetration 400 cm Trigger Core Length 76 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) CHAIN FROM DREDGE WRAPPED AROUND BOMB TRIGGER ARM - BROKE SAFETY CATCH. ELIMINATE MESSENGER ON REMAINING CORES OF LEG 5

Method of Extrusion LINER

Total Core Length 529 cm No. Gutter Pipe Filled 2

Estimate of Good Core 400 cm Estimate of Flow-in 129 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge IG24-D 1 Trawl ____ NO MATERIAL RECOVERED Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 30 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 14

Latitude 12°40.0' N Longitude 90°58.2' W Sea 2 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography MID AMERICA TRENCH AXIS

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 2022 Z PDR Depth 3228 fm Nature of Hit GOOD

~~Time Messenger~~ 2 Z ~~Counter Depth~~ fm Wire Out at Hit 3333 fm

Time Hit 2118 Z PDR Depth 3228 fm Wire Angle at Hit 1°

Time Surfaced 2238 Z PDR Depth 3230 fm Pull Out MODERATELY HARD

Depth of Penetration 980 cm Trigger Core Length 27 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 719 cm No. Gutter Pipe Filled

Estimate of Good Core 719 cm. Estimate of Flow-in 0 cm cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JctNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 31 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 15

Latitude 12°35.5'N Longitude 90°59.2'W Sea 2 Ship Station ____

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography ~~SEDIMENT POND~~ PEAK OF OUTER RIDGE / SEAWARD OF TRENCH AXIS

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 10 ft. Length free fall 11 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 1241 Z PDR Depth 1909 fm Nature of Hit GOOD

~~Time Messenger~~ 1251 Z ~~Counter Depth~~ ____ fm Wire Out at Hit 1963 fm

Time Hit 1315 Z PDR Depth 1909 fm Wire Angle at Hit 10°

Time Surfaced 1352 Z PDR Depth 1912 fm Pull Out MODERATE

Depth of Penetration 985 cm Trigger Core Length 44 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 791 cm No. Gutter Pipe Filled 2½

Estimate of Good Core 791 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 31 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 16

Latitude 12°35.0'N Longitude 90°57.0'W Sea 2 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA - SEDIMENT "POND" SEAWARD OF TRENCH AXIS

Bottom topography SLOPING

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 1816 Z PDR Depth 2820 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ ~~fm~~ Wire Out at Hit 2907 fm

Time Hit 1947 Z PDR Depth 2822 fm Wire Angle at Hit 0°

Time Surfaced 2057 Z PDR Depth 2818 fm Pull Out MODERATE

Depth of Penetration 940 cm Trigger Core Length 13 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 862 cm No. Gutter Pipe Filled 3

Estimate of Good Core 862 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge ✓ Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 31 MAY 77 Ship IG Cruise 24 Leg 05 Core No. 17

Latitude 12°41.6'N Longitude 90° 56.8'W Sea _____ Ship Station _____

Location PACIFIC OCEAN - OFF GUATEMALA

Bottom topography MID AMERICA TRENCH AXIS — FLAT

No. and Depth sub-bottom reflections PDR _____

Profiler _____ Sheet No. _____

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 2312 Z PDR Depth 3230 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 3345 fm

1 JUNE 77

Time Hit 0017 Z PDR Depth 3230 fm Wire Angle at Hit 0°

Time Surfaced 0144 Z PDR Depth 3231 fm Pull Out GOOD-MODERATE

Depth of Penetration 980 cm Trigger Core Length 28 cm

Mud on Piston - yes _____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) _____

Method of Extrusion LINER

Total Core Length 886 cm No. Gutter Pipe Filled 3

Estimate of Good Core 886 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. _____ Thermograd _____ No. of Probes _____

Geochem Water Bbl. No. _____ Barrel above Core _____ fm

Particulate Water Bbl. No. _____ Barrel above Core _____ fm

Nepholometer Station No. (LSM) _____ Camera Dredge No. _____

Rock Dredge _____ Trawl _____ Core Head Camera No. _____

Tripod Core _____ Tripod T-Grad _____ Current Meter _____

Biology: Multiple Plankton _____ JetNet _____ JK _____ Plankton _____

Picture of Compass when pipe is in mud - yes _____ no _____

345
18
338

CORE LOG

Date 1 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 18

Latitude 12° 58.2' N Longitude 91° 36.0' W Sea 1 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography RIDGE JUST LANDWARD OF TRENCH - ACCRETED MATERIAL AT TOE OF SLOPE

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2 1/2"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 1330Z PDR Depth 3012 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 3154 fm

Time Hit 1433 Z PDR Depth 3034 fm Wire Angle at Hit 0°

Time Surfaced 1626Z PDR Depth 3010 fm Pull Out HARD

Depth of Penetration 360 cm Trigger Core Length 11 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) PIPE SLIGHTLY BENT AT BOMB COUPLING LINER SPACER CRUSHED

Method of Extrusion LINER

Total Core Length 333 cm No. Gutter Pipe Filled 1

Estimate of Good Core 333 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge D #2 35 minutes Trawl NO MATERIAL RECOVERED Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 1 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 19

Latitude 13°02.5'N Longitude 91°03.0'W Sea 2 Ship Station ____

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography 2ND SCARP LANDWARD OF TRENCH AXIS

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

********** ********** **********

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

********** **********

Time Lowered 1826Z Z=+6 PDR Depth 2610 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 2729 fm

Time Hit 1923 Z PDR Depth 2614 fm Wire Angle at Hit 0°-1°

Time Surfaced 2056Z PDR Depth 2642 fm Pull Out MODERATE

********** ********** **********

Depth of Penetration 490 cm Trigger Core Length ~3 cm SMALL ROCKS IN CATCHER

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 413 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 413 Estimate of Flow-in 0 cm

********** ********** **********

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ~~D34~~ NO MATERIAL RECOVERED Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

NOTE : 27 cm OF WATER TRAPPED IN LOWER PART OF A-BOTTOM LINER SECTION. THIS IS SUBTRACTED FROM CORE LENGTH GIVEN.

440
-27
413

TOP - A

A - BOTTOM

CORE LOG

Date 1 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 20

Latitude 13°20.5'N Longitude 91°21.5'W Sea 2 Ship Station

Location PACIFIC OCEAN OFF GUATEMACA

Bottom topography SHELF/SLOPE BREAK AT STEEPEST POINT; SLOPING

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 2354 Z PDR Depth 540 fm Nature of Hit GOOD

~~Time Messenger Z Counter Depth fm~~ Wire Out at Hit 585 fm

2 JUNE 77

Time Hit 0005 Z PDR Depth 550 fm Wire Angle at Hit 0°

Time Surfaced 0053 Z PDR Depth 590 fm Pull Out EASY

Depth of Penetration 505 cm Trigger Core Length 19 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 401 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 401 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge 30 MINUTES D4 Trawl NO MATERIAL RECOVERED Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 2 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 21

Latitude 13° 07.6'N Longitude 91° 27.8'W Sea 3 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography DEEPEST SCARP LANDWARD SIDE OF TRENCH AXIS

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe ~~38~~ 19 ft. Core Head Wt. 1400 lbs. No. Pipes 12

Length Trigger Line ~~44~~ 48 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z=+6

Time Lowered 1319 Z PDR Depth 3228 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 3314 fm

Time Hit 1434 Z PDR Depth 3216 fm Wire Angle at Hit 0°

Time Surfaced 1554 Z PDR Depth 3230 fm Pull Out MODERATE

Depth of Penetration 640 cm Trigger Core Length 35 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion HNER

Total Core Length 331 cm No. Gutter Pipe Filled 1+

Estimate of Good Core 331 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 2 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 22

Latitude 13° 17.2'N Longitude 90° 55.1' W Sea 2 Ship Station

Location PACIFIC OCEAN OFF GUATEMALA BASE OF STEEP MAGNETIC HIGH PINNACLE

Bottom topography STEEPLY SLOPING; LANDWARD SIDE OF TRENCH

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 1950 Z PDR Depth 840 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 934 fm

Time Hit 2012 Z PDR Depth 870 fm Wire Angle at Hit 0°

Time Surfaced 2030Z PDR Depth 880 fm Pull Out EASY

Depth of Penetration 115 cm Trigger Core Length 0 cm

Mud on Piston - yes no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) CE MANGLED

PIPE O.K

Method of Extrusion LINER

Total Core Length 95 cm No. Gutter Pipe Filled ½

Estimate of Good Core 95 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 2 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 23

Latitude 13° 28.8'N Longitude 90° 55.5'W Sea 2 Ship Station

Location PACIFIC OCEAN off GUATEMALA

Bottom topography UPPER SHELF - FLAT

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 2241Z PDR Depth 78 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 75 fm

Time Hit 2244 Z PDR Depth 78 fm Wire Angle at Hit 3°

Time Surfaced 2247Z PDR Depth 78 fm Pull Out EASY

Depth of Penetration N 130 cm Trigger Core Length 0 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) CC BENT, LINER COLLAPSED

Method of Extrusion LINER

Total Core Length 79 cm No. Gutter Pipe Filled ½

Estimate of Good Core 79 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nepholometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 3 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 24

Latitude 13°27.5'N Longitude 90° 56.0'W Sea Z Ship Station ____

Location PACIFIC OCEAN OFF GUATEMALA

Bottom topography MID SHELF OUTCROP

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1900 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 10 ft. Z=16 Length free fall 11 ft. Pipe Wall thickness ¼ in.

Time Lowered 0041Z PDR Depth 84 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 88 fm

Time Hit 0044 Z PDR Depth 84 fm Wire Angle at Hit 0°

Time Surfaced 0098Z PDR Depth 84 fm Pull Out EASY

Depth of Penetration 75 cm Trigger Core Length 0 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) COLLAPSED LINER

Method of Extrusion LINER

Total Core Length 169 cm No. Gutter Pipe Filled ½

Estimate of Good Core 75 Cm. Estimate of Flow-in 94 Cm.

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem. Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nephelometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

NOTE: PARTIAL COLLAPSE OF LINER SEDIMENT PRESENT IN TWO SEPARATED AREAS OF LINER SO TWO PARTS WERE NECESSARY TO CONTAIN ENTIRE CORE.

TOP - A

A - BOTTOM

CORE LOG

Date 12 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 25

Latitude 15° 40.8'N Longitude 98° 52.65'W Sea 3 Ship Station

Location PACIFIC OCEAN ; SEDIMENT BLANKET SEAWARD OF TRENCH

Bottom topography GENTLE SLOPE

No. and Depth sub-bottom reflections PDR

Profiler Sheet No.

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z = +6

Time Lowered 1642 Z PDR Depth 2321 fm Nature of Hit Good

~~Time Messenger~~ Z ~~Counter Depth~~ fm Wire Out at Hit 2379 fm

Time Hit 1733 Z PDR Depth 2254 fm Wire Angle at Hit 25°

Time Surfaced 1821 Z PDR Depth 2244 fm Pull Out MODERATELY EASY

Depth of Penetration 1175 cm Trigger Core Length 37 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?)

Method of Extrusion LINER

Total Core Length 934 cm No. Gutter Pipe Filled 3½

Estimate of Good Core 934 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. Thermograd No. of Probes

Geochem Water Bbl. No. Barrel above Core fm

Particulate Water Bbl. No. Barrel above Core fm

Nephelometer Station No. (LSM) Camera Dredge No.

Rock Dredge Trawl Core Head Camera No.

Tripod Core Tripod T-Grad Current Meter

Biology: Multiple Plankton JetNet JK Plankton

Picture of Compass when pipe is in mud - yes no

CORE LOG

Date 12 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 26

Latitude 15° 48.75' N Longitude -98° 51.79' W Sea 3 Ship Station ____

Location PACIFIC OCEAN - TRENCH AXIS OFF MEXICO/OAXACA

Bottom topography FLAT to GENTLE RISE

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2 1/2"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness 1/4 in.

Z = +6

Time Lowered 1959 Z PDR Depth 2578 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ ~~fm~~ Wire Out at Hit 2660 fm

Time Hit 2051 Z PDR Depth 2546 fm Wire Angle at Hit 35°

Time Surfaced 2153 Z PDR Depth 2526 fm Pull Out MODERATELY EASY

Depth of Penetration 240 ? cm Trigger Core Length 0 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) BOTTOM PIPE BENT 40°, up 10' from CE. (very sandy) TOP PIPE BENT 3' ABOVE COUPLING

Method of Extrusion LINER

Total Core Length 210 cm No. Gutter Pipe Filled 1/2

Estimate of Good Core 210 Estimate of Flow-in 0 cm

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 13 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 27

Latitude 15° 51.18'N Longitude -98° 53.75'W Sea 2 Ship Station ____

Location PACIFIC OCEAN OFF MEXICO/OAXACA 1ST RIDGE LANDWARD OF TRENCH AXIS

Bottom topography GENTLE SLOPING

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 14 ft. Length free fall 15 ft. Pipe Wall thickness ¼ in.

Z = +6

****

Time Lowered 1247Z PDR Depth 2500 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 2598 fm

Time Hit 1345 Z PDR Depth 2514 fm Wire Angle at Hit 25°

Time Surfaced 1441Z PDR Depth 2495 fm Pull Out EASY

****

Depth of Penetration 370 cm Trigger Core Length 0 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 244 cm No. Gutter Pipe Filled ½

Estimate of Good Core 244 cm. Estimate of Flow-in 0 cm.

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem, Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

2

CORE LOG

Date 13 JUNE 77 Ship IG Cruise 29 Leg 05 Core No. 28

Latitude 15° 50.49'N Longitude -98° 47.04'W Sea 2 Ship Station ____

Location PACIFIC OCEAN 2nd Ridge landward of axis

Bottom topography GENTLY SLOPING up LANDWARD

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1900 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 16 ft. Length free fall 17 ft. Pipe Wall thickness 1/4 in.

Time Lowered 1641 Z (Z=+6) PDR Depth 2334 fm Nature of Hit GOOD

~~Time Messenger~~ ____ Counter Depth ____ fm Wire Out at Hit 2348 fm

Time Hit 1735 Z PDR Depth 2263 fm Wire Angle at Hit 10°

Time Surfaced 1827Z PDR Depth 2232 fm Pull Out MODERATE

Depth of Penetration 560 cm Trigger Core Length 38 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) trigger core in bag oozed from liner before could cap.

Method of Extrusion LINER

Total Core Length 560 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 560 cm. Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 13 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 29

Latitude 15°54.12'N Longitude 98°48.63'W Sea 2 Ship Station ____

Location PACIFIC OCEAN OFF MEXICO/OAXACA RIDGE LANDWARD OF TRENCH

Bottom topography GENTLY SLOPING

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

********** **********

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 16 ft. Length free fall 17 ft. Pipe Wall thickness ¼ in.

Z = +6

********** **********

Time Lowered 1915 Z PDR Depth 2000 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 2071 fm

Time Hit 1956 Z PDR Depth 2005 fm Wire Angle at Hit 15°

Time Surfaced 2039 Z PDR Depth 2040 fm Pull Out EASY

********** **********

Depth of Penetration ~~410~~ 540 cm Trigger Core Length 37 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 410 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 410 Estimate of Flow-in 0 cm

********** **********

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 13 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 30

Latitude 15°56.3'N Longitude ~98°47.52'W Sea 2 Ship Station ____

Location PACIFIC OCEAN OFF MEXICO/OAXACA - TERRACE

Bottom topography FLAT

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 1660 ft. Length free fall 17 ft. Pipe Wall thickness ¼ in.

Z=+6

Time Lowered 2314 Z PDR Depth 1760 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 1778 fm

Time Hit 2356 Z PDR Depth 1738 fm Wire Angle at Hit 10°

14 JUNE 77

Time Surfaced 0033 Z PDR Depth 1720 fm Pull Out MODERATE

Depth of Penetration 640 cm Trigger Core Length 64 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 411 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 411 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nephelometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

-30-

CORE LOG

Date 14 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 31

Latitude 15°35.0'N Longitude -98°12.0'W Sea 1 Ship Station ____

Location PACIFIC OCEAN - TRENCH AXIS OFF MEXICO/OAXACA

Bottom topography FLAT

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 16 ft. Length free fall 17 ft. Pipe Wall thickness 1/4 in.

Z=+6

Time Lowered 1342 Z PDR Depth 2830 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 2911 fm

Time Hit 1450 Z PDR Depth 2832 fm Wire Angle at Hit 10°

Time Surfaced 1557 Z PDR Depth 2832 fm Pull Out EASY

Depth of Penetration 465 cm Trigger Core Length 43 cm

Mud on Piston - yes ____ no ____

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 461 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 461 cm Estimate of Flow-in 0 cm

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 14 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 32

Latitude 15°49.75'N Longitude -98°06.0'W Sea 2 Ship Station ____

Location PACIFIC OCEAN (OFF MEXICO/OAXACA) - STEEP ~~RIDGE~~ CANYON LANDWARD OF TRENCH AXIS

Bottom topography RISING (SIDE OF CANYON)

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 16 ft. Length free fall 17 ft. Pipe Wall thickness ¼ in.

Z=+6

****

Time Lowered 1828Z PDR Depth 1130 fm Nature of Hit ____

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 1157 fm

Time Hit 1853 Z PDR Depth 1045 fm Wire Angle at Hit 12°

Time Surfaced 1956Z PDR Depth 892 fm Pull Out MODERATELY EASY

****

Depth of Penetration 440 cm Trigger Core Length 7½ cm

Mud on Piston - yes ✓ no ____

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 294 cm No. Gutter Pipe Filled 1

Estimate of Good Core 294 cm Estimate of Flow-in 0 cm

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge D #5 - 30 MINUTES - Trawl ____ Core Head Camera No. ____

MUDDY SEMI-CONSOLIDATED MATERIAL ~6 PIECES

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 14 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 33

Latitude 15°47.62'N Longitude 98° 22.0'W Sea 1 Ship Station ____

Location PACIFIC OCEAN OFF MEXICO/OAXACA FILLED BASIN LANDWARD OF TRENCH

Bottom topography GENTLE RISE

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½

Length Scope 17 ft. Length free fall 18 ft. Pipe Wall thickness ¼ in.

****

Z = +6

Time Lowered 2228Z PDR Depth 1950 fm Nature of Hit GOOD

~~Time Messenger~~ ____ ~~Counter Depth~~ ____ fm Wire Out at Hit 1982 fm

Time Hit 2311 Z PDR Depth 1920 fm Wire Angle at Hit 20°

Time Surfaced 2352Z PDR Depth 1900 fm Pull Out EASY

****

Depth of Penetration 600 cm Trigger Core Length 42 cm

Mud on Piston - yes ✓ no ____

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 485 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 485 Estimate of Flow-in 0

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 15 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 34

Latitude 15°51.20'N Longitude -98°26.10'W Sea 1 Ship Station ____

Location PACIFIC OCEAN OFF MEXICO/OAXACA MIDSLOPE OUTCROP AREA THIN SEDIMENT BLANKET

Bottom topography ____

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

********** **********

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope ~~15~~ 15 ft. Length free fall 16 ft. Pipe Wall thickness ¼ in.

Z=76

********** **********

Time Lowered 1249 Z PDR Depth 1344 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ ~~fm~~ Wire Out at Hit 1475 fm

Time Hit 1321 Z PDR Depth 1384 fm Wire Angle at Hit 0°

Time Surfaced 1354 Z PDR Depth 1432 fm Pull Out EASY

********** **********

Depth of Penetration 535 cm Trigger Core Length 38 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length ~~365~~ 377 cm No. Gutter Pipe Filled 1½

Estimate of Good Core 377 Estimate of Flow-in 0 cm

********** **********

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nephelometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 15 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 35

Latitude 16° 05.20'N Longitude -98° 42.45'W Sea FLAT Ship Station ____

Location PACIFIC OCEAN OFF MEXICO / OAXACA UPPER SLOPE

Bottom topography SLIGHT SLOPE

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

********** ********** **********

Length Core Pipe 38 ft. Core Head Wt. 1406 lbs. No. Pipes 2

Length Trigger Line 63'9" ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 16 ft. Length free fall 17 ft. Pipe Wall thickness 1/4 in.

********** z = 7h ********** **********

Time Lowered 1619 Z PDR Depth 537 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ ____ fm Wire Out at Hit 536 fm

Time Hit 1633 Z PDR Depth 530 fm Wire Angle at Hit 0°

Time Surfaced 1645Z PDR Depth 526 fm Pull Out MODERATE

********** ********** **********

Depth of Penetration 430 cm Trigger Core Length 31 cm

Mud on Piston - yes ____ no ____

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 337 cm No. Gutter Pipe Filled 1

Estimate of Good Core 337 Estimate of Flow-in 0 cm

********** ********** **********

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 15 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 36

Latitude 16° 18.35' N Longitude -98° 48.75W Sea 1 Ship Station ____

Location PACIFIC OCEAN OFF MEXICO/OAXACA SHELF OUTCROPS

Bottom topography HILLY

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope ~~10~~ 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

Time Lowered 1929Z (Z=+6) PDR Depth 45 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ ____ fm Wire Out at Hit 39 fm

Time Hit 1930 Z PDR Depth 45 fm Wire Angle at Hit 0°

Time Surfaced 1932Z PDR Depth 45 fm Pull Out EASY

Depth of Penetration 215 cm Trigger Core Length 09 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 198 cm No. Gutter Pipe Filled 1/2

Estimate of Good Core 198 Estimate of Flow-in 0 cm.

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____

CORE LOG

Date 15 JUNE 77 Ship IG Cruise 24 Leg 05 Core No. 37

Latitude 16° 16.85' N Longitude -98° 45.40' W Sea 1 Ship Station ____

Location PACIFIC OCEAN OFF OAXACA SHELF OUTCROPS

Bottom topography ____

No. and Depth sub-bottom reflections PDR ____

Profiler ____ Sheet No. ____

****

Length Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. Pipes 2½"

Length Scope 12 ft. Length free fall 13 ft. Pipe Wall thickness 1/4 in.

z = 16

****

Time Lowered 2029 Z PDR Depth 36 fm Nature of Hit GOOD

~~Time Messenger~~ ~~Counter Depth~~ fm Wire Out at Hit 27 fm

Time Hit 2031 Z PDR Depth 36 fm Wire Angle at Hit 0°

Time Surfaced 2033 Z PDR Depth 36 fm Pull Out EASY

****

Depth of Penetration ~200 cm Trigger Core Length 0 cm

Mud on Piston - yes ____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent ? where?) ____

Method of Extrusion LINER

Total Core Length 197 cm No. Gutter Pipe Filled 1/2

Estimate of Good Core 197 cm Estimate of Flow-in 0 cm

****

CORRELATIVE STATION DATA:

Camera Station No. ____ Thermograd ____ No. of Probes ____

Geochem Water Bbl. No. ____ Barrel above Core ____ fm

Particulate Water Bbl. No. ____ Barrel above Core ____ fm

Nepholometer Station No. (LSM) ____ Camera Dredge No. ____

Rock Dredge ____ Trawl ____ Core Head Camera No. ____

Tripod Core ____ Tripod T-Grad ____ Current Meter ____

Biology: Multiple Plankton ____ JetNet ____ JK ____ Plankton ____

Picture of Compass when pipe is in mud - yes ____ no ____