

STATION LOG

local time is
6 hrs. behind Zulu

Date 20/VII/77 Ship R. V. IDA GREEN Cruise 24 Leg 7 Core No. 38
 Latitude 09° 21' 70" N Longitude 84° 57' 89" W Sea 2 Ship Station No. 24-7-1

Location Submarine Canyon ~~west~~ ^{east} of Nicoya Penn.

Bottom Topography Canyon floor

No. and Depth of Sub-bottom Reflections 3 sub-bottom reflectors 2-20 fm.

CORE LOG

Core No. 38 *****

Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2
 Length Trigger Line 63' 9" ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.
 Length of Scope 12 ft. Length Free Fall lbs. Pipe Wall Thickness 1/4 in.

Time (Z) local

Time Lowered 1649 PDR Depth 673 fm. Nature of Hit Good
 Time Messenger 1706 Counter Depth 100 fm. Wire Out at Hit 654 fm
 Time Hit 1727 PDR Depth 645 fm. Wire Angle at Hit 5°
 Time Surfaced 17 PDR Depth fm. Pull Out moderate to weak

Depth of Penetration 760 + cm. Trigger Core Length 41 cm.
 Mud on Piston - yes no ☒ Core Oriented - yes no ☒
 Condition of Cutting Edge and Pipe (Pipes bent? Where?) Good cutting edge
and pipe conditions

Method of Extrusion Liner Number of Liners Filled 1 3/4
 Total Core Length 1010 cm. Estimate Good Core 1010 cm. Flow-in 2 cm.

Sed on outside of pipe : green clay

STATION LOG

Date 21 / VII / 77 Ship R. V. IDA GREEN Cruise 24 Leg 7 Ship Station No. 24-7-2Latitude 09° 37.792 N Longitude -85° 19.616 W Sea 5Location Shelf west of Niya Penn. on CR-5Bottom Topography Flat - Cont. shelf

No. and Depth of Sub-bottom Reflections _____

CORE LOG

Core No. 39 *****

Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1
 Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.
 Length of Scope 12 ft. Length Free Fall 4 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) local

Time Lowered 0720 PDR Depth 58-5 fm. Nature of Hit GoodTime Messenger 0724 Counter Depth 20 fm. Wire Out at Hit 50 fmTime Hit 0725 PDR Depth 57 fm. Wire Angle at Hit 250 fmTime Surfaced 0736 PDR Depth 54 fm. Pull Out Weak

Depth of Penetration 400 cm. Trigger Core Length 11 cm.Mud on Piston - yes no ☒ Core Oriented - yes ☒ no noCondition of Cutting Edge and Pipe (Pipes bent? Where?) GoodMethod of Extrusion Liner Number of Liners Filled 1Total Core Length 228 cm. Estimate Good Core 228 cm. Flow-in - cm.

NOTE: upper 1/3 of liner collapsed.

Sed on outside of pipe: green silty sand.

STATION LOG

Date 21 / VII / 77 Ship R. V. IDA GREEN Cruise 24 Leg 7 Ship Station No. 24-7-3Latitude 09° 30' 57.3" N Longitude 85° 27' 14" W Sea 3Location N. slope shoreward of
Within tilted basin on inner wall - CR-5Bottom Topography steep face -No. and Depth of Sub-bottom Reflections possible outcropping beds

CORE LOG

Core No. 40 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 63' 9" ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall lbs. Pipe Wall Thickness 1/4 in.

Time (Z) local

Time Lowered 1204 PDR Depth 680 fm. Nature of Hit GoodTime Messenger 1211 Counter Depth 200 fm. Wire Out at Hit 695 fmTime Hit 1227 PDR Depth ~~695~~ 680 fm ⁶⁷⁵ Wire Angle at Hit 5°Time Surfaced 1240 PDR Depth fm. Pull Out weak

Depth of Penetration 785 cm. Trigger Core Length 45 cm.Mud on Piston - yes no X Core Oriented - yes ✓ no Condition of Cutting Edge and Pipe (Pipes bent? Where?) Good, 2 thongs
of core catcher slightly bent.Method of Extrusion Liner Number of Liners Filled 2Total Core Length 660 cm. Estimate Good Core 660 + cm. Flow-in cm.

Note = 3/4 of 1st liner (upper) collapsed.Sed on outside of pipe - green clay with
some foram.

STATION LOG

Date 21 / VI / 77 Ship R. V. IDA GREEN Cruise 24 Leg 7 Ship Station No. 24-7-4Latitude 09° 16' 30.5" N Longitude 85° 30' 96.4" W Sea 3-4Location Edge of outer bench landward of MA Trench off Nicoya.Bottom Topography Edge of bench (landward of Trench) steep topo.

No. and Depth of Sub-bottom Reflections _____

CORE LOG

Core No. 41 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 63' 9" ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 150 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) local

Time Lowered 1533 PDR Depth 1360 fm. Nature of Hit GoodTime Messenger 1532 Counter Depth 200 1370 fm. Wire Out at Hit 1370 fmTime Hit 1609 PDR Depth 1349 fm. Wire Angle at Hit 3°Time Surfaced 1744 1650 PDR Depth 1331 ? fm. Pull Out Weak

Depth of Penetration 1130 cm. Trigger Core Length 43 cm.Mud on Piston - yes _____ no ✓ Core Oriented - yes ✓ no _____Condition of Cutting Edge and Pipe (Pipes bent? Where?) GoodMethod of Extrusion Liner Number of Liners Filled 2Total Core Length 893 cm. Estimate Good Core 893 cm. Flow-in _____ cm.

STATION LOG

Date 22 / VII / 77 Ship R. V. IDA GREEN Cruise 24 Leg 7 Ship Station No. 24-7-5Latitude +09° 09.22 N Longitude -85° 34.51 W Sea Minor swell - 3-4'Location Trench off Nicoya (M.A.T.)Bottom Topography Trench Floor

No. and Depth of Sub-bottom Reflections _____

***** CORE LOG Core No. 42 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 63' 9" ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 13 ft. Length Free Fall _____ lbs. Pipe Wall Thickness 1/4 in.***** Time (Z) local *****Time Lowered 0709 PDR Depth 1933 fm. Nature of Hit GoodTime Messenger 0713 Counter Depth 200 fm. Wire Out at Hit 193.1Time Hit 0801 PDR Depth 1874 1897 fm. Wire Angle at Hit 193 408°Time Surfaced _____ PDR Depth _____ fm. Pull Out Weak Strong to Mod.

***** from 35 kHz cross check *****

Depth of Penetration 520 cm. Trigger Core Length 43 cm.Mud on Piston - yes _____ no ☒ Core Oriented - yes ☒ no _____Condition of Cutting Edge and Pipe (Pipes bent? Where?) Cutting Edge good,2nd pipe slightly bent at 1/4 from topMethod of Extrusion Liner Number of Liners Filled _____Total Core Length 480 cm. Estimate Good Core _____ cm. Flow-in _____ cm.

White, denser (hamo-fossil?) ooze at bottom of core
probably prevented further penetration of the core-pipe.