104985

U S
G S

COASTAL AND MARINE SCIENCE AT THE
WOODS HOLE FIELD CENTER (WHFC)

384 Woods Hole Rd., Quissett Campus, Woods Hole, MA 02543-1598

CORE OPERATIONS AND PROCESSING LOG

SHIP AND CRUISE: GYRE 97006 Leg 2

AREA: LA slope - offshore

DATES: April 5-25, 1997 / Piston Core 05-25 April

CHIEF SCIENTIST: DTwichell / H. Nelson

LOCATIONS OF CORES FROM R/V GYRE CRUISE - 15-25 APRIL, 1997

CORE #	LAT	LONG	DEPTH (m)	CORE LENGTH (cm)
1	27d 09.0131	92d 36.7612	1210	452
2	27d 08.0058	92d 39.7133	1251	411
3	27d 07.8967	92d 40.0134	1241	468
4	26d 55.8769	92d 32.8256	1720	448
5	26d 49.9356	92d 28.3452	1983	426
6	26d 50.4143	92d 27.6781	1972	438
7	26d 45.9968	92d 24.4631	1770	412
8	26d 46.0162	92d 28.2607	1767	388
9	26d 34.5643	92d 13.5084	2410	470
10	26d 33.5787	92d 13.9320	2632	415
11	26d 32.8379	92d 14.3116	2607	344
12	26d 30.5340	92d 15.3634	2530	346
13	26d 33.0084	92d 10.2727	2605	335
14	26d 33.2310	92d 11.7970	2640	420
15	26d 27.4508	92d 25.3853	2480	426
16	26d 29.9345	92d 23.0945	2320	452
17	26d 28.3330	92d 19.8351	2103	389
18	26d 29.4654	92d 19.1823	2000	412
19	26d 35.7943	92d 18.2710	1960	392
20	26d 22.0040	91d 55.2130	2040	450
21	26d 22.0080	91d 59.1840	2051	406
22	26d 28.5230	91d 59.9880	2060	394
23	26d 28.5250	92d 02.3942	2310	455
24	26d 31.3292	92d 08.0700	2120	408
25	26d 30.4020	92d 06.1112	2422	467
26	26d 20.9456	92d 17.2245	2365	377
27	26d 17.4950	92d 16.9880	2442	410
28	26d 27.6950	92d 30.2340	2045	411
29	26d 39.2012	92d 19.3440	2380	424
30	26d 40.4940	92d 19.8430	2395	379
31	26d 55.8793	92d 02.6817	2078	370
32	26d 54.5902	92d 03.9695	2012	340
33	26d 57.3825	92d 02.9818	2115	454
34	26d 52.6810	92d 05.6320	1620	450
35	27d 06.6720	92d 28.3060	1682	399
36	27d 07.9047	92d 40.0249	1242	

37	27d	07.5267	92d	43.0327	1382	450
38	27d	06.4505	92d	37.4439	1310	380

USGS STATION LOG

Recorded by: D. Twichell

Navigation: DGPS

SHIP / LEG GYRE 97006

LATITUDE 27° 9.0131

LONGITUDE 92° 36.7612

STATION NO. 1 PC 1

LINE NO. on line 1

DATE (DAY/MONTH/YEAR) 16 Apr. 97

TYPE OF STORAGE (check one)

[✓] DRY [ ] COLD [ ] FROZEN

WEATHER: Sunny - calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75		Section 5	300-375	
" 2 75-150		6	375-452	
" 3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	-34 ft			
PC BARREL LENGTH	20 ft	452 cm		

REMARKS:

START TIME 2140 27° 9.0098 92° 36.7627 - 1210m

ON BOTTOM TIME 2202 27° 9.0131 92° 36.7612 - 1210 m

LINE OUT (MAX) 1287 - 7% = TD = 1204

LOWERING RATE 50 m/min ?

PULL OUT TENSION 5500 lb

PENETRATION (MUD LINE) - Core Head burried in mud barrel covered w/ .11

NEBCO

USGS STATION LOG

RECORDED by: Twichell

NAVIGATION: DGPS

SHIP / LEG GYRE 97006

LATITUDE 27° 8.0058

LONGITUDE 92° 39.7133

STATION NO. 2 PC 2

LINE NO. 1

DAY/MONTH/YEAR

DATE 16 Apr, 97

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
✓		

WEATHER: Sunny, Calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75 cm		Section 5	300-375 cm	
" 2 75-150		" 6	375-411 cm	
" 3 150-225				
" 4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	~~water~~ 34 ft			
PC BARREL LENGTH	20 ft	411 cm		

REMARKS:

START TIME 2353 27° 7.9982 92° 39.6947

ON BOTTOM TIME 0016 27° 8.0058 92° 39.7133

LINE OUT (MAX) 1331 -7% = TD = 1240

LOWERING RATE

PULL OUT TENSION 5000 lbs

PENETRATION (MUD LINE)

1250 m start

1251 on bottom

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION : DGPS

SHIP / LEG GYRE97006
LATITUDE 27° 7.8967
LONGITUDE 92° 40.0134
STATION NO. 3 - PC-3
LINE NO. 1

DAY/MONTH/YEAR
DATE 17 April 97

TYPE OF STORAGE (check one)

☑ DRY	☐ COLD	☐ FROZEN

WEATHER: clear & calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 6	300-375	
" 2 75-150cm		" 7	375-450	
" 3 150-225		" 8	450-468	
4 225-300		[illegible]		
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	34'			
PC BARREL LENGTH	20'	468cm		

REMARKS:

START TIME 107 - 0140 27° 7.8863 92° 40.0123 1240m
ON BOTTOM TIME ~~[illegible]~~ 107 0207 27° 7.9967 92° 40.0134 (1241m Depth)
LINE OUT (MAX) 1323 - 7% = TD = 1232
LOWERING RATE
PULL OUT TENSION 6000 lb. pullout
PENETRATION (MUD LINE) covered core head

USGS STATION LOG

RECORDED by: CHN
NAVIGATION : DF

SHIP / LEG Gyre 97006
LATITUDE 26° 55.8769
LONGITUDE -92° 32.8256
STATION NO. 4
LINE NO. 5
WEATHER : CALM

DAY/MONTH/YEAR
DATE 17/4/97

TYPE OF STORAGE (check one)

[X] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M) cm	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1	0-75	~~0-75~~		
" 2	75-150	Sect 6	300-375	
" 3	150-225	Sect 7	375-448	
" 4	225-300			
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	34'			
PC BARREL LENGHT	20'			

REMARKS:
START TIME 107 JD 9:03 GMT 26°55.8858 -92°32.8106
ON BOTTON TIME 107-0937
LINE OUT (MAX) 1836 m ≈7% 3.5 DEPTH 1720m on bottom
LOWERING RATE
PULL OUT TENSION
PENETRATION (MUD LINE) Top of Cover w/ mud

NEBCO

USGS STATION LOG

RECORDED by: DCT
NAVIGATION: DGPS

SHIP / LEG G97-6
LATITUDE 26° 49.9356
LONGITUDE 92° 28.3452
STATION NO. 5
LINE NO. 9
WEATHER: Calm

DAY/MONTH/YEAR
DATE 19 April, 97
TYPE OF STORAGE (check one)
[✓] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75		Section 5	300-375	
2 75-150		6	375-426	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	34 ft			
PC BARREL LENGHT	20 ft	426		

REMARKS:
START TIME 2110 26° 49.9598, 92° 28.2744 1984 m
ON BOTTOM TIME 214345 26° 49.9356 92° 28.3452 DEPTH ON BOTTOM 1983
LINE OUT (MAX) 2120 - 7% = TD = 1973
LOWERING RATE
PULL OUT TENSION 5800 lbs
PENETRATION (MUD LINE) ~16 ft, but also mud on at head, but top 4 ft of barrel was clean.

NEBCO

USGS STATION LOG

RECORDED by: DCT

NAVIGATION: DGPS

SHIP / LEG G 97-6

LATITUDE 26° 50.4143

LONGITUDE 92° 27.6781

STATION NO. 6

LINE NO.

DAY/MONTH/YEAR

DATE 19 April 97

TYPE OF STORAGE (check one)

☑ DRY ☐ COLD ☐ FROZEN

WEATHER: Calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75		Section 5	300-375	
2 75-150		6	375-438	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	34 ft			
BARREL LENGTH	20 ft	438 ~~426~~ cm		

REMARKS:

START TIME 2319 26° 50.4164 92° 27.6642 1970m

ON BOTTOM TIME 2358 26° 50.4143 92° 27.6781 DEPTH ON BOTTOM 1972

LINE OUT (MAX) 2158? - 2% = TD = wouldn't hear probably 2108 = FIG 1

LOWERING RATE

PULL OUT TENSION 6000

PENETRATION (MUD LINE) ~15 ft of mud on barrel

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION: DGPS

SHIP / LEG G 97-7
LATITUDE 26° 45.9968
LONGITUDE 92° 24.4631
STATION NO. 7 [illegible]
LINE NO. Line 10
WEATHER: Calm

DAY/MONTH/YEAR
DATE 20 April, 97

TYPE OF STORAGE (check one)

✓		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	33 ft			
PC BARREL LENGHT	20 ft			

REMARKS:

START TIME [illegible] 20° [illegible] 1770 m
ON BOTTOM TIME 0411 Z 26° 45.9968 92° 24.4631 DEPTH ON BOTTOM
LINE OUT (MAX) 1895 - 7% = TD - 1769
LOWERING RATE
PULL OUT TENSION 6000 lbs
PENETRATION (MUD LINE)

NEBCO

USGS STATION LOG

RECORDED by: Foster

NAVIGATION : DGPS

SHIP / LEG GYRE97-6

LATITUDE 26° 46.0162' N

LONGITUDE -92° 28.2607' W

STATION NO. 8 PC-8

LINE NO.

DAY/MONTH/YEAR

DATE JD 110 Apr 97

TYPE OF STORAGE (check one)

[X] DRY [ ] COLD [ ] FROZEN

WEATHER: Calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		sec 5	300-388	
2 75-150				
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	33 FT			
PC BARREL LENGHT	20 FT.			

REMARKS:

START TIME JD110: 0611 -92°28.2841 26°46.0224 Depth: 1770 m

ON BOTTOM TIME JD110: 0648, 17 m off target DEPTH 1767

LINE OUT (MAX) 1906 - 7% = 1773

LOWERING RATE

PULL OUT TENSION

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: CHN
NAVIGATION: DF

SHIP / LEG G 97-6
LATITUDE 26° 34,5643
LONGITUDE -92° 13,5084
STATION NO. PC 9
LINE NO. ~~17~~ 14 @ 1115
WEATHER: Calm tswell

DAY/MONTH/YEAR
DATE 20 April 97

TYPE OF STORAGE (check one)

[X]	[ ]	[ ]
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECIED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
section 1 0-75cm		Section 5	300-375	
2 75-150cm		6	375-450	
3 150-225		7	450-470	
4 -225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	~~300~~ 33 ft			
PC BARREL LENGTH	20 ft	470 cm		

REMARKS: JD 110
START TIME 1528 26°34.6668 -92°13.3439 depth: 2410 m
ON BOTTOM TIME JD110 1614:30, 41 m off target DEPTH 2410 m
LINE OUT (MAX) 2600 - 7%
LOWERING RATE
PULL OUT TENSION 6500
PENETRATION (MUD LINE) mud covered core catcher

NEBCO

USGS STATION LOG

RECORDED by: Turnbull

NAVIGATION: DGPS

SHIP / LEG GYRE 97-6

LATITUDE 26° 33.5787

LONGITUDE 92° 13.9320

STATION NO. PC 10

LINE NO. Seismic line 14

DAY/MONTH/YEAR

DATE 20 April, 97

TYPE OF STORAGE (check one)

☑ DRY ☐ COLD ☐ FROZEN

WEATHER: Sunny & calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
section 1 0-75cm		Section 5	300-375	
2 75-150		6	375-415	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	33 ft			
PC BARREL LENGTH	20 ft	415 cm		

REMARKS:

START TIME 1739 26° 33.6116, 92° 13.9214 263 l/m

ON BOTTOM TIME 18:21:39 26° 33.5787, 92 13.9320 DEPTH 2632 m

LINE OUT (MAX) 2630 - 7% = TD = 2634

LOWERING RATE 60 m/min

PULL OUT TENSION 6200

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: _____

NAVIGATION: _____

DAY/MONTH/YEAR

SHIP / LEG GYRE 97-6

LATITUDE 26° 32.8379

LONGITUDE 92° 14.3116

STATION NO. PC 11

LINE NO. 3.5 Line 14

DATE _____

TYPE OF STORAGE (check one)

☑ DRY ☐ COLD ☐ FROZEN

WEATHER: Sunny & calm - little breezy

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1-0-75		Section 5	300-344	
2-75-150				
3-150-225				
4-225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5'			
RC BARREL LENGHT	20'	344 cm		

REMARKS:

START TIME 1955Z 26° 32.7985, 92° 14.2659 2610 m

ON BOTTOM TIME 2048:24 26° 32.8379, 92° 14.3116 DEPTH 2607 m

LINE OUT (MAX) 2804 -7% TD= 2604

LOWERING RATE _____

PULL OUT TENSION 8000 lbs

PENETRATION (MUD LINE) ~10 ft

USGS STATION LOG

RECORDED by: Tweehell
NAVIGATION: DGPS

SHIP / LEG GYRE 97-6
LATITUDE 26° 30.5340
LONGITUDE 92° 15.3634
STATION NO. PC 12
LINE NO. 3.5 line 14
WEATHER: clear & calm

DAY/MONTH/YEAR
DATE 20 April, 97
TYPE OF STORAGE (check one)

✓		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5'			
PC BARREL LENGHT	20'			

REMARKS:
START TIME 2306 26° 30.5543, 92° 15.3578 2530 m
ON BOTTOM TIME 2358 26° 30.5340 92° 15.3634 DEPTH 2530
LINE OUT (MAX) 2725 - 7% = TD = 2536
LOWERING RATE
PULL OUT TENSION 8000
PENETRATION (MUD LINE)

NEBCO

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION : DGPS

SHIP / LEG GYRE 97-06
LATITUDE 26° 33.0084
LONGITUDE 92° 10.2727
STATION NO. PC 13
LINE NO. Line 16
WEATHER : calm, clear

DAY/MONTH/YEAR
DATE

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
✓		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5 ft			
RC BARREL LENGTH	20 ft			

REMARKS:

START TIME 01:35:39 26° 33.0256 92° 10.1620 2590 m
ON BOTTOM TIME 02:23:49 26° 33.0084 92° 10.2727 DEPTH 2605
LINE OUT (MAX) 2779 -7% TD = 2590
LOWERING RATE
PULL OUT TENSION 6500
PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION: PCODE

SHIP / LEG: F/V RC 97-6
LATITUDE: 26° 33.2310
LONGITUDE: 92° 11.7970
STATION NO.: PC 14
LINE NO.: 16
WEATHER: calm

DAY/MONTH/YEAR
DATE: 21 April, 97

TYPE OF STORAGE (check one)
[✓] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75cm		sec 5	300-375	
sec 2 75-150		sec 6	375-420	
sec 3 150-225				
sec 4 225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
RC BARREL LENGHT	20ft			

REMARKS:

START TIME 0352 26° 33.2377 92° 11.7931 2642 m
ON BOTTOM TIME 04:40:45 26° 33.2310 92° 11.7972 DEPTH 2640m
LINE OUT (MAX) 2839 -7% TD = 2643
LOWERING RATE
PULL OUT TENSION 6000 lbs
PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Foster
NAVIGATION & PCODE GPS

SHIP / LEG GYRE97-006
LATITUDE 26°27.4508
LONGITUDE -92°25.3853
STATION NO. PC15
LINE NO. 23
WEATHER: calm

DAY/MONTH/YEAR
DATE JD 111 / 1997
TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75		sec 5	300-375	cm
sec 2 75-150		sec 6	375-426	cm
sec 3 150-225				
sec 4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH				
PC BARREL LENGHT				

REMARKS:
START TIME JD 111 1305:30 26°27.461 92°25.256
ON BOTTOM TIME 1348 45 m off target
LINE OUT (MAX) 2660 - 7%
LOWERING RATE
PULL OUT TENSION 7000
PENETRATION (MUD LINE)

2485 (depth m)
DEPTH 2480

NEBCO

USGS STATION LOG

RECORDED by: Foster

NAVIGATION : DG-PS

SHIP / LEG GYRE97-006

LATITUDE 26°29.9345

LONGITUDE 92°23.0945

STATION NO. PC16

LINE NO. 22 and 24

DAY/MONTH/YEAR

DATE JD 111 / 1997

TYPE OF STORAGE (check one)

[X] DRY	[ ] COLD	[ ] FROZEN

WEATHER: calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
section 1 0-75cm		section 5	300-375	cm
2 75-150cm		section 6	375-452	cm
3 150-225cm				
4 225-300cm				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5			
RC BARREL LENGTH	20'	452cm		

REMARKS:

START TIME JD 111 1600 26°29.9172' -92°23.0341'

ON BOTTOM TIME 1641:20 10m from target

LINE OUT (MAX) ~~6~~ 2470 - 7%

LOWERING RATE

PULL OUT TENSION ~~6~~ 6400

PENETRATION (MUD LINE) ~15 ft

2320 meters

DEPTH 2320 m

USGS STATION LOG

RECORDED by: JCT

NAVIGATION: DGPS

SHIP / LEG: G4RE 97-6

LATITUDE: 26° 28.333φ

LONGITUDE: 92° 19.8351

STATION NO.: PC 17

LINE NO.: Seismic line 21

DAY/MONTH/YEAR

DATE: 21 April, 97

TYPE OF STORAGE (check one)

[✓] DRY [ ] COLD [ ] FROZEN

WEATHER: Calm - 15kt breeze

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
section 1 0-75cm		Section 5	300-375cm	
2 75-150cm		6	375-389cm	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5 ft			
PC BARREL LENGHT	20 ft	389cm		

REMARKS: JD111

START TIME 1808:29 26° 28.3371 92° 19.8160

ON BOTTOM TIME 1853:29 26° 28.333φ 92° 19.8351 DEPTH 2103 m 2104 m

LINE OUT (MAX) 2278 - 7% = TD = 2124 m

LOWERING RATE

PULL OUT TENSION 5900 lbs

PENETRATION (MUD LINE) ~ 15 ft

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION: DGPS

SHIP / LEG GYRE 97-6
LATITUDE 26° 29.4654
LONGITUDE 92° 19.1823
STATION NO. PC 18
LINE NO. 20
WEATHER: calm, sunny

DAY/MONTH/YEAR
DATE 21 April, 97
TYPE OF STORAGE (check one)
[✓] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Station 1 0-75cm		Station 5	300-375cm	
2 75-150		6	375-412 cm	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
PC BARREL LENGHT	20ft	412cm		

REMARKS:
START TIME 2017 26°29.4993 92°19.1541 2000m
ON BOTTOM TIME 20:53:24 26° 29.4654 92° 19.1823 DEPTH 2000m
LINE OUT (MAX) 2143 - 7% = TD = 1996 m
LOWERING RATE
PULL OUT TENSION 5900 lbs
PENETRATION (MUD LINE) 15 ft

NEBCO

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION: DGPS

SHIP / LEG: G4R- 97006
LATITUDE: 26° 35.7943
LONGITUDE: 92° 18.2710
STATION NO.: PC 19
LINE NO.: 19
WEATHER: sunny, hot - calm

DAY/MONTH/YEAR
DATE: 21 April, 97

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
✓		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375	
2 75-150cm		6	375-392	
3 150-225cm				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
PC BARREL LENGHT	20ft	392cm		

REMARKS:

START TIME 2255 26° 35.7799 92° 18.2467 1960m
ON BOTTOM TIME 23:30:24 26° 35.7943 92° 18.2710 DEPTH 1960
LINE OUT (MAX) 2103 - 7% = TD = 1956
LOWERING RATE
PULL OUT TENSION 6000 lbs
PENETRATION (MUD LINE) ~14 ft

NEBCO

USGS STATION LOG

Recorded by: Foster

Navigation: PCODE GPS

SHIP / LEG GYRE97-006

LATITUDE 26° 22.004

LONGITUDE -91° 55.2130

STATION NO. PC20

LINE NO. 28

WEATHER: 1-2 ft waves

DAY/MONTH/YEAR

DATE JD 112

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75		sec 5	300-375	
2 75-150		sec 6	375-450	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH				
PC BARREL LENGTH				

REMARKS:

START TIME 0534 26°21.971 91°55.164 2035 m

ON BOTTOM TIME 0613 20m off target DEPTH 2040 m

LINE OUT (MAX) 2178 - 7%

LOWERING RATE

PULL OUT TENSION 6000

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Foster

NAVIGATION: PCODE GPS

SHIP / LEG GYRE97-006

LATITUDE 26°22.008

LONGITUDE -91°59.184

STATION NO. PC21

LINE NO. 28

WEATHER #: 1-2

DAY/MONTH/YEAR

DATE JD 112 / 1997

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75		sec 5	300-375	
2 75-150		sec 6	375-406	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH				
PC BARREL LENGHT				

REMARKS:

START TIME JD112:0753:30 26°21.944 -91°59.1340 2051 m

ON BOTTON TIME 0835:30 5m off station DEPTH 2051

LINE OUT (MAX) 2190 - 7% = 2037

LOWERING RATE

PULL OUT TENSION ~~2500~~ 6500 6500?

PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Foster

Navigation: PCODE GPS

SHIP / LEG GYRE97 006

LATITUDE 26°28.5230

LONGITUDE -91° 59.9880

STATION NO. PC 22

LINE NO. 27

DAY/MONTH/YEAR

DATE JD 112 1997

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

WEATHER *: 1-2

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Sec 1 0-75		Sec 5	300-375	
2 75-150		6	375-394	
3 150-~~300~~ 225				
4 225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5			
RBARREL LENGTH	20 ft			

REMARKS:

START TIME JD 112:1030 26°28.5020 -91°59.9878 2047 m

ON BOTTOM TIME 1108:30 25 m off target DEPTH 2060 m

LINE OUT (MAX) 2195 - 7% = 2041 m

LOWERING RATE

PULL OUT TENSION 6500

PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Foster

Navigation: DGPS

SHIP / LEG GYRE97006

LATITUDE 26° 28.5250

LONGITUDE -92° 2.3942

STATION NO. PC 23

LINE NO. 26

WEATHER: 2-3' waves

DAY/MONTH/YEAR

DATE 12 / 1997

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375	
2 75-150cm		Section 6	375-455	
3 150-225cm				
4 225-300cm				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5			
PC BARREL LENGHT	20'	455 cm		

REMARKS:

START TIME JD 112:1249 26° 28.5698 -92° 2.3623 2290 m

ON BOTTOM TIME 1334:50 65 m off target DEPTH 2310 m

LINE OUT (MAX) 2496 - 7% = 2321

LOWERING RATE

PULL OUT TENSION 7000

PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Foster

Navigation : DGPS

SHIP / LEG GYRE97006

LATITUDE 26° 31.3292

LONGITUDE -92° 8.07

STATION NO. PC 24

LINE NO. 24

WEATHER: 3-4' waves

DAY/MONTH/YEAR

DATE _____

TYPE OF STORAGE (check one)

[X]	[ ]	[ ]
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375	
2 75-150cm		6	375-408	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5 ft			
PBARREL LENGTH	20ft	408cm		

REMARKS:

START TIME JD 112 1529 26° 31.3923 -92° 9.8307 2115 m

ON BOTTOM TIME 1609:30 DEPTH 2120 m

LINE OUT (MAX) 2280 - 7%

LOWERING RATE

PULL OUT TENSION 7500

PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Tavichell
Navigation: DGPS

SHIP / LEG GYRE 97006
LATITUDE 26° 30.4020
LONGITUDE 92° 6.1112
STATION NO. PC25
LINE NO.

DAY/MONTH/YEAR
DATE 22 April 97

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
V		

WEATHER: 20-25kt SW wind - clear

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375	
2 75-150		6	375-467	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
RC BARREL LENGHT	20ft	467cm		

REMARKS:

START TIME 1817Z 26° 30.4205N 92° 05.9930W 2420 m
ON BOTTOM TIME 1909 26° 30.4020 92° 6.1112 DEPTH 2422 m
LINE OUT (MAX) 2604
LOWERING RATE
PULL OUT TENSION 6000 lb
PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Twichell
Navigation: DGPS

SHIP / LEG GYRE 97006
LATITUDE 26° 20.9456
LONGITUDE 92° 17.2245
STATION NO. PC 26
LINE NO.

DAY/MONTH/YEAR
DATE 22 April, 97

TYPE OF STORAGE (check one)

✓		
DRY	COLD	FROZEN

WEATHER: 25 kt wind 5ft seas

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
SECTION 1 0-75cm		sections	300-377cm	
2 75-150cm				
3 150-225cm				
4 225-300cm				
CORE INFO				
PC HEAD WT.	2000 lb			
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
PC BARREL LENGHT	20 ft	377cm		

REMARKS:
START TIME JD112 2340 26° 20.8787 92 17.206 2350 m
ON BOTTOM TIME JD113 0029 26° 20.9456 92 17.2245 DEPTH 2365
LINE OUT (MAX) 3549 m wire -7% = TD = 2374
LOWERING RATE
PULL OUT TENSION 6500
PENETRATION (MUD LINE) ~15 ft

NEBCO

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION: DGPS

SHIP / LEG GYRE 97006
LATITUDE 26° 17.4950
LONGITUDE 92° 16.9880
STATION NO. PC 27
LINE NO.

DAY/MONTH/YEAR
DATE 23 April, 97

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
✓		

WEATHER: 20 kt wind 4-6ft

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375cm	
2 75-150		6	375-410cm	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.	2000 lb			
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
RC BARREL LENGTH	20 ft	410cm		

REMARKS:

START TIME 0155Z 26°17.4484, 92°16.9391 2445m
ON BOTTOM TIME 0242 26° 17.4950, 92° 16.9880 DEPTH 2442
LINE OUT (MAX) 2614 - 72 = TD = 2432
LOWERING RATE
PULL OUT TENSION 60000 lbs
PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Foster

Navigation: PCODE GPS

SHIP / LEG GYRE97006

LATITUDE 26° 27.6950

LONGITUDE -92° 30.2340

STATION NO. PC 28

LINE NO. 23

WEATHER: 15-20 kt 3-5

DAY/MONTH/YEAR

DATE JD 113 / 1997

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75cm		sec 5	300-375	
2 75-150		sec 6	375-411	
3 150-225				
4 225-300				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5 ft			
PC BARREL LENGTH	20 ft	411 cm		

REMARKS:

START TIME JD 113 26°27.6260 -92° 30.3240 depth 2060 m

ON BOTTOM TIME ~~0716~~ 0716 10 m off target DEPTH 2045

LINE OUT (MAX) 2202 - 7% = 2048 m

LOWERING RATE

PULL OUT TENSION 6000

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Foster

NAVIGATION: PCODE GPS

SHIP / LEG GYRE 97006

LATITUDE 26° 39.212

LONGITUDE -92° 19.344

STATION NO. PC29

LINE NO. 12

DAY/MONTH/YEAR

DATE _____

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

WEATHER: 3-6 waves

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375 cm	
2 75-150cm		6	375-424cm	
3 150-225				
4 225-300				
CORE INFO				
R HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5'			
BARREL LENGTH	20'	424 cm		

REMARKS: JD113

START TIME 1026 26° 39.2010 -92° 19.447 2380 m

ON BOTTOM TIME 1118:30 57m off target DEPTH 2380

LINE OUT (MAX) 2535 - 7% = 2358

LOWERING RATE _____

PULL OUT TENSION 6000

PENETRATION (MUD LINE) _____

NEBCO

USGS STATION LOG

RECORDED by: Foster

NAVIGATION: PRODE GPS

SHIP / LEG G4RE97006

LATITUDE 26° ~~40.~~ 40.4940

LONGITUDE -92° 19.8430'

STATION NO. PC30

LINE NO. 12

WEATHER: 3-6 waves

DAY/MONTH/YEAR

DATE 11 3 / 1997

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Station 1 0-75cm		Section 5	300-379cm	
2 75-150cm				
3 150-225				
4 225-300cm				
CORE INFO				
PC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH	32.5'			
PC BARREL LENGTH	20'	379cm		

REMARKS:

START TIME JD113 12:46 26°40.471 -92°19.874 2395 m

ON BOTTOM TIME 1338.5 26° 40.4940 92° 19.8430 DEPTH 2395 m

LINE OUT (MAX) 2550 - 7% = TDR 2375

LOWERING RATE

FULL OUT TENSION 6500

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION: DGPS

SHIP / LEG GYRE 97006
LATITUDE 26° 55.8793 ~~[illegible]~~
LONGITUDE 92° 2.6817
STATION NO. PC31
LINE NO. 29

DAY/MONTH/YEAR
DATE 23 April, 97

TYPE OF STORAGE (check one)

☑	☐	☐
DRY	COLD	FROZEN

WEATHER: clear, sunny, 20kt wind & 4ft seas.

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
section 1	0-75	section 5	300-370	
2	75-150			
3	150-225			
4	225-300			
CORE INFO				
PC HEAD WT.	2000 lb			
TRIGGER WT.				
TRIGGER LENGTH	32.5 ft			
PC BARREL LENGHT	20 ft	370 cm		

REMARKS:

START TIME 19:49:49 26° 55.9043 92° 2.7012 2080 m
ON BOTTOM TIME 20:24:34 26° 55.8793 92° 2.6817 DEPTH 2078
LINE OUT (MAX) 2228 - 7% = TD = 2074
LOWERING RATE
PULL OUT TENSION 5500
PENETRATION (MUD LINE) ~15 ft

NEBCO

USGS STATION LOG

Recorded by: Twichell
Navigation: DGPS

SHIP / LEG GYRE 97006
LATITUDE 26° 54.5902
LONGITUDE 92° 03.9695
STATION NO. PC 32
LINE NO. 29

DAY/MONTH/YEAR
DATE 23 April, 97

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
☑	☐	☐

WEATHER: Clear / 15kt breal 2-4 ft seas.

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-340	
2 75-150				
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.	2000 lb			
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
RC BARREL LENGHT	20ft	340cm		

REMARKS:

START TIME 2146Z 26° 54.6579 92° 03.9800 2015m
ON BOTTOM TIME 22:22:44 26° 54.5902, 92° 03.9695 DEPTH 2012
LINE OUT (MAX) 2160 - 7½ = TD ≈ 2013
LOWERING RATE
PULL OUT TENSION 7000
PENETRATION (MUD LINE) ~10 ft

USGS STATION LOG

RECORDED by: Twichell

NAVIGATION: DGPS

SHIP / LEG G4RG 97006

LATITUDE 26° 57.3825

LONGITUDE 92° 02.9818

STATION NO. PC33

LINE NO. 30

DAY/MONTH/YEAR

DATE 23 April 97

TYPE OF STORAGE (check one)

✓		
DRY	COLD	FROZEN

WEATHER: Calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Section 1 0-75cm		Section 5	300-375 cm	
2 75-150cm		6	375-454cm	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.	2000 lb			
TRIGGER WT.				
TRIGGER LENGTH	32.5 ft			
RC BARREL LENGHT	20 ft	454cm		

REMARKS:

START TIME SP 113 2353 26°57.4135, 92°02.9557 ~~2115~~ 2115 m

ON BOTTOM TIME SP 114 0029 26°57.3825 92° 02.9818 DEPTH 2115

LINE OUT (MAX) 2265 - 7% = 2111

LOWERING RATE

FULL OUT TENSION 5500 lbs

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Twichell
NAVIGATION : DGPS

SHIP / LEG GYRE 97006
LATITUDE 26° 52.6810
LONGITUDE 92° 05.6320
STATION NO. PC34
LINE NO. 30

DAY/MONTH/YEAR
DATE 24 April 97

TYPE OF STORAGE (check one)

☑	☐	☐
DRY	COLD	FROZEN

WEATHER: _____

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Sec 1 0-75		sec 5	300-375	
2 75-150		6	375-450	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.	2000 lb			
TRIGGER WT.				
TRIGGER LENGTH	32.5ft			
RC BARREL LENGTH	20 ft			

REMARKS:

START TIME 0216 26° 52.6648 92° 5.5977 1620 m
ON BOTTOM TIME 0243 26° 52.6810 92° 05.6320 DEPTH 1620
LINE OUT (MAX) 1738
LOWERING RATE
PULL OUT TENSION 5500
PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Foster

NAVIGATION: PCODE GPS

SHIP / LEG GYRE97006

LATITUDE 27°6.6720'

LONGITUDE -92°28.306'

STATION NO. PC35

LINE NO. 32

WEATHER: Calm

DAY/MONTH/YEAR

DATE JD 114 / 1997

TYPE OF STORAGE (check one)

[X] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75		sec 5	300-375	
2 75-150		6	375-399	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH				
RC BARREL LENGTH				

REMARKS:

START TIME JD 114.0846 27°6.6750 -92°28.307 Depth: 1682

ON BOTTOM TIME 0916:30 Depth: 1681.5

LINE OUT (MAX) 1798 - 7%

LOWERING RATE

PULL OUT TENSION 6000

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Foster

NAVIGATION: DGPS

SHIP / LEG G4RE97006

LATITUDE 27° 7.9047

LONGITUDE -92° 40.0249

STATION NO. PC36

LINE NO. 1

WEATHER: calm

DAY/MONTH/YEAR

DATE JD 114 / 1997

TYPE OF STORAGE (check one)

[X] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CORE Info				
Rc HEAD WT.				
TRIGGER WT.				
TRIGGER Length				
Rc BARREL Length				

REMARKS:

START TIME JD 114 1104 27° 7.9022 -92° 40.028 Depth: 1242 m

ON BOTTOM TIME 1128:30 20m from target Depth: 1242 m

LINE OUT (MAX) 1323 - 7%

LOWERING RATE

PULL OUT TENSION 5000

PENETRATION (MUD LINE)

USGS STATION LOG

RECORDED by: Foster

NAVIGATION: DGPS

SHIP / LEG GyRE97006

LATITUDE 27°7.5267

LONGITUDE -92°43.0327

STATION NO. PC37

LINE NO. 1

DAY/MONTH/YEAR

DATE JD114 1997

TYPE OF STORAGE (check one)

[X] DRY [ ] COLD [ ] FROZEN

WEATHER: calm

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
sec 1 0-75cm		sec 5	300-375	
2 75-150		6	375-450	
3 150-225				
4 225-300				
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH				
RC BARREL LENGTH				

REMARKS: JD114 27°7.6042

START TIME 1314 -92°42.9844 depth: 1380 m

ON BOTTOM TIME 13:42:49 130 m off target depth: 1382 m

LINE OUT (MAX) 1535 - 7%

LOWERING RATE

PULL OUT TENSION 6000

PENETRATION (MUD LINE)

USGS STATION LOG

Recorded by: Foster

Navigation: DGPS

SHIP / LEG GYRE97006

LATITUDE 27° 6.4505

LONGITUDE -92°37.4439

STATION NO. PC38

LINE NO. 33

WEATHER & 1' waves

DAY/MONTH/YEAR

DATE JD114 1997

TYPE OF STORAGE (check one)

X		
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CORE INFO				
RC HEAD WT.				
TRIGGER WT.				
TRIGGER LENGTH				
RC BARREL LENGTH				

REMARKS:

START TIME JD114 1541 27°6.457 -92° 37.4443 depth 1310

ON BOTTOM TIME JD114 1606 depth 1310

LINE OUT (MAX) 1395 ± 7%

LOWERING RATE

PULL OUT TENSION 6000

PENETRATION (MUD LINE)

NEBCO