SOUTHEAST

ALL DATA AND INFORMATION SHOWN ON THIS CROSS SECTION ARE PROPRIETARY TO GEOPHYSICAL SERVICE INC. AND ITS AFFILIATES ('GSI') AND ARE FURNISHED BY GSI TO U.S.G.S. ('COMPANY') FOR USE BY COMPANY UNDER RESTRICTIONS OF DISCLOSURE AND REPRODUCTION CONTAINED IN THE 'AGREEMENT' BETWEEN GSI AND COMPANY DATED 9-75

LINE 4

SHOTPOINTS 3080 - 4079

BERMUDA TRIANGLE

OFFSHORE
EAST COAST USA

TRUE AMPLITUDE SECTION

FIELD DATA

FIELD PARTY	:	437
VESSEL	:	M/V JONSSON
DATE SHOT	:	APRIL 1974
ENERGY SOURCE	:	AIR GUNS
AIRGUN CAPACITY	:	1310 CU. IN.
SOURCE DEPTH	:	25 - 30 FEET
RECORDING INSTRUMENTS	:	DFS4 (21 TRACK)
GAIN CONTROL	:	I F P
RECORDING FILTERS LOW	:	8 HZ 18 DB/OCT
HIGH	:	62 HZ 72 DB/OCT
SAMPLE RATE	:	4 MSEC
RECORD LENGTH	:	7 SECONDS
STREAMER DEPTH	:	50 - 55 FEET
STREAMER LENGTH	:	TI 3600 M. (A.C.) 48 TRACE
GROUP CENTER INTERVAL	:	50 METERS FARS (1-24)
		100 METERS NEARS (25-48)
INLINE SHOT OFFSET	:	306 METERS
SHOTPOINT INTERVAL	:	50 METERS
MULTIPLICITY	:	24 FOLD (TRACES 25-48)
		12 FOLD (TRACES 1-24)

DIGITAL PROCESSING

DATUM - SEA LEVEL

TRUE AMPLITUDE RECOVERY

ALPHA = 5.5 DB/SEC
T1 = WATER BOTTOM
T2 = 5.5 SEC BELOW WATER BOTTOM

TIME VARIANT DECONVOLUTION

WATER BOTTOM	FILTERS	LENGTH (MSEC)
< 131 FT	2	180
131 - 760 FT	2	292
> 760 FT	3	188

TIME VARIANT SCALING

GATE LENGTH = 500 MSEC
UNITY SCALARS
START TIMES WATER DEPTH DEPENDENT

VELOCITY ANALYSIS

MINI-700 PACKAGE VELOCITY ANALYSIS
SCATTERGRAMS AT 2 MILE INTERVALS

NORMAL MOVEOUT CORRECTION

VELOCITY ANNOTATION ON SECTION HEADING

FIRST BREAK SUPPRESSION

SEE TAPER ON RECORD

CDP STACK

48 FOLD WITH ADJACENT TRACE MIX OF FAR TRACES
(TRACES 1-24 = 12 FOLD, 25-48 = 24 FOLD)

TIME VARIANT DECONVOLUTION

NOT APPLIED

TIME VARIANT FILTERING

TIME (MSEC.)	FILTER (HZ.)
WB - 1000	8-60

TIME VARIANT SCALING

NOT APPLIED

DISPLAY

WIGGLE TRACE VARIABLE AREA
24 TRACES/IN.
2.5 INCHES/SEC.

DISPLAY GAIN INPUT	
CDP	ALL
GAIN DB	TIME MSEC
-86.0	5000

GEOPHYSICAL SERVICE INCORPORATED
(A SUBSIDIARY OF TEXAS INSTRUMENTS INC.)

PROCESSING CHECKED BY : D. MACKIE

L4
21 MAY 1975
13:11:33