SOUTHEAST

U.S.G.S.

OFFSHORE EAST COAST U.S.A.

LINE IPOD

SHOTPOINTS 8651-10299

DEPTH SECTION

FIELD DATA

RADIO-PHONE MISSION	NOV-DEC 1976
SHIP NAME	USS ELTANIN
SOURCE	700 CU. INCHES
SOURCE SERIAL CAPACITY	1 SERIAL
SOURCE DEPTH	10 METERS
SOURCE SPACING	100 METERS
SHOT INTERVAL	10 SECONDS
SHOT DURATION	0.5 SECONDS
SHOT SPACING	100 METERS
SHOTS PER SAMPLE	1
SHOTS PER SAMPLE LOCATION	CENTER
SHOTS PER SAMPLE LOCATION	100 METERS
GROUP SPACING	100 METERS
GROUP CENTER INTERVAL	100 METERS
RECORDING INSTRUMENT	DFS V
RECORDING INSTRUMENT	24 BIT DATA
RECORDING FILTERS	LOW PASS
	30 HZ
RECORD LENGTH	10 SECS
RECORD INTERVAL	4 MILLISECONDS

DIGITAL PROCESSING

DATUM - SEA LEVEL

TRUE AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE AND REPRODUCTION WITH
T = 0.0 V = 1.5 KM/SEC
T = 3.0 V = 1.5 SECONDS

DECONVOLUTION
ONE SECTION, POSTDATA DERIVED FILTERS MORE -
CREATE WHITENED SPECTRUM IN 3.0 SECONDS

VELOCITY ANALYSIS
1 SEMBLANCE SPECTRUM EVERY 2 KM
1 SEMBLANCE SPECTRUM EVERY 10 KM
1 SEMBLANCE SPECTRUM EVERY 20 KM
SEMBLANCE VS TIME VELOCITY CURVES

NORMAL MOVEOUT CORRECTIONS
MUTE 30 PERCENT STRETCH
MUTE 30 PERCENT STRETCH
MUTE 30 PERCENT STRETCH

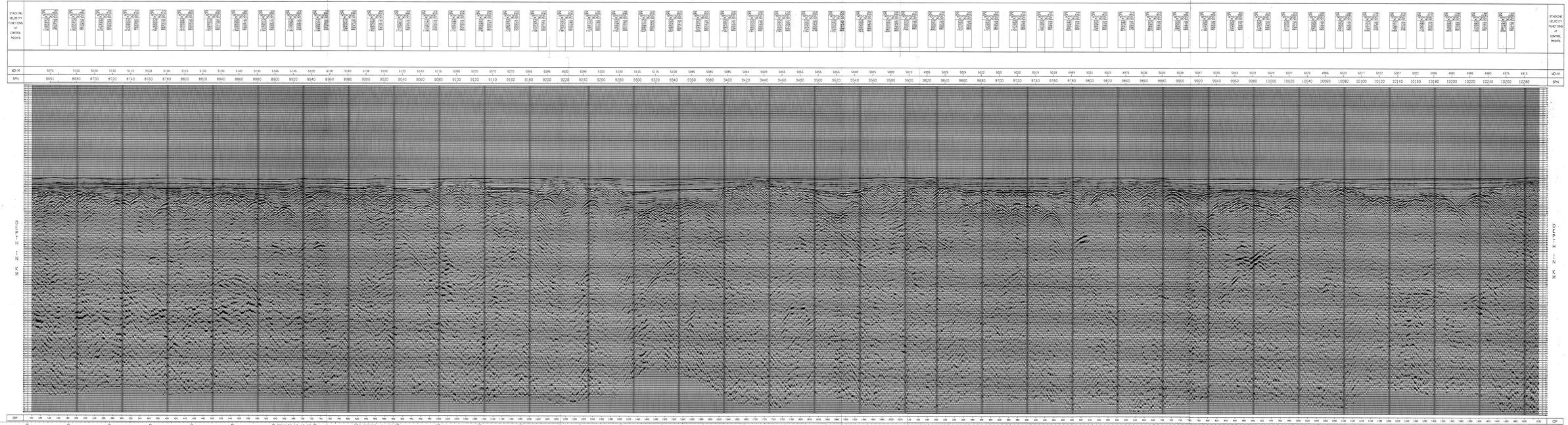
CDP STACK
30 FOLD CDP STACK WITH 1/SQRT(FOLD) RECOVERY SCALING

DIGITAL FILTER
SECOND ORDER BANDPASS FILTER BANDWIDTH = 0 HZ

TIME VARIANT SCALING
1000 MS GATES STARTING AT THE WATER BOTTOM

DIP-FILTERING
DEPTH CONVERSION
DISPLAY
VERTICAL 1 IN 10 KM 1 IN 20 KM
HOR-SCALE 1 IN 10 KM 1 IN 20 KM

0 1 CM 2 CM

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

PREPARED _____
CHECKED _____ 08 NOV 1978