LINE 1 0

DEPT. OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
PACIFIC ARCTIC BRANCH OF MARINE GEOLOGY

AREA: BS-1980 CRUISE LOCATION: LEE-6
VESSEL: R.V LEE
DATE: 1980
DEPTH: 0 1 2 3 4 5 6

RECORDING PARAMETERS

DATE RECORDED: 7/27/80
SOURCE MULT AIR GUNS: 1
AIR GUNS IN ARRAY: 1
SOURCE DEPTH: 1.5 METERS
MAGNETICS PRESENT: N.A. NAV
GUN DEPTH: 8.5 m SHOT SPACING 50 m
STREAMER CHR MFG/TYPE:

SERIAL NUMBER	DATE	DATE	DATE
1	1980	1980	1980

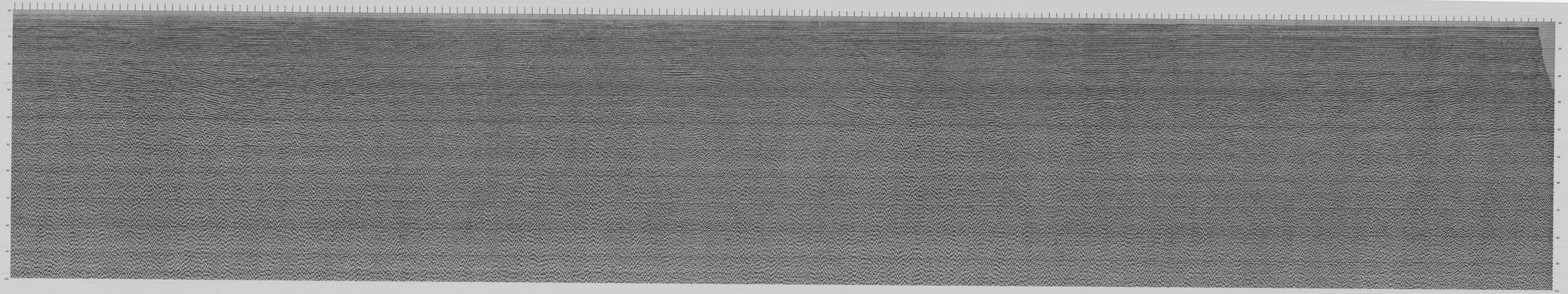
GROUP INTERVAL 100 m MUDD STA DEPTH 12 m
GROUP LENGTH 200 m TOWED/CABLE 50 m
DEPTH CONTROLLED BY FIXED AND VARIABLE WING BODIES
RECORDING FORMAT: SEG-D 9 TRACK 1600 BPI
SAMPLE INTERVAL 4 MS RECORD LENGTH 10 SEC
SEG RECORDING FILTER: 5 (FREQ) 100 (FREQ) 48 (SLOPE) DB
NUMBER OF CHANNELS 24
NAVIGATION:
SHOT ON DISTANCE
PRIMARY NAVIGATION SATELLITE, LORAN C, DOPPLER
SONAR
DIRECTION RECORDED POS*

PROCESSING PARAMETERS

DATE PROCESSED: 10/5/82
1. CONVERT SEG-D TAPES TO SEG-Y FORMAT, ASSIGNED TO A MONO-TRACE (MIX MULT. GROUPS TO ONE LINE), ADDITIONALLY OUTPUT WITH TIMES
2. DATA QUALITY CONTROL (QUALITY ANALYSIS)
3. COLLECTIVE CORRECTIONS
MONOCHR LENGTH: 60 MS
MONOCHR OPERATOR: 1 (MEAN)
DELAY (MILLISEC): 20.000 (MILSEC)
4. BAND (COMBINATION) CAPTURES
(A) A.G.C. (AMPLITUDE)
(B) A.G.C. (CHECK RECORDING FROM AMPLITUDE)
70 % (TRACES ALLOWED IN BAD)
5. DECONVOLUTION
6. PLOT (CHECK PROCESSING)
PREDICTIVE DECON (DC) DECONVOLUTION
OPERATOR LENGTH: 200 MS GAP: 80 MS
OPERAT.OP MODE/W N: 300 MS WITH WATER WATER
OPERATOR LENGTH: 200 MS GAP: 80 MS
MIX
PRE(%)
FILTER CORD: (PARAM) 100 (PARAM)

PREDICTIVE DECONVOLUTION FILTERED (MS) MS
MIGRATION (MIGRATION)
MIGRATION-SPECIAL (MIGRA CHECK CONFIGURATION) MS
TIME SHIFTS (PRE) MS
TIME SHIFTS (POST) MS
VARIATIONS: EVERY 50 CMP STARTING WITH CMP 47
DEPARTURE: 50 MS/SHOT MS (* PRESENT)

PLOT PARAMETERS

VERTICAL SCALE 22.00 (TRACES/IN)
PRESENTATION: (POS/NEG) (POS/NEG)
PRESENTATION: (VARIABLE AREA) (VARIABLE AREA)
0 (TRACE SUPERIMPOSED)
SCALING FOR MAX ABSOLUTE VALUE OF DATA
IN (ABSOLUTE) MULT WIN/CHN 2.00
CHANGE ALL MULT WIN/CHN 2.00 MS

LAST USE OF THIS PARAMETER FOR ANY DATA PRODUCTS PRODUCED ONLY ARE LISTED HERE
COMPUTER PROGRAMMER OF THIS PRODUCT IS THE U.S. GEOLOGICAL SURVEY
CRUISE OPEN FILE REPORT 82-1060 AUTHOR: W.S. MARLOW, K.A. COOPER, D.L. DAVIS, and J.D. CHADE