

SAVANNAH RIVER SITE AIKEN, S. CAROLINA LINE SRS-12EXP

MIGRATED STACK
DATUM 80 METERS

NORTHEAST

RECORDING PARAMETERS

DATE RECORDED : NOVEMBER 1987 SOURCE ARRAY : 11x4/0 M PT SOURCE
 CONTRACTOR : CENCO SURF SURF INTERVAL : 5.1 M (168 FT)
 GROUP INTERVAL : 6.1 M (20 FT) FAR OFFSET : 381.0 M (1250 FT)
 NEAR OFFSET : 15.2 M (50 FT) SAMPLE RATE : 2 HSEC
 INSTRUMENTS : MDS-10 RECORD LENGTH : 10 SEC (2 SEC)
 CHANNELS : 80 RECORD FILTS : 30 HZ & 125 HZ
 ENERGY SOURCE : 1 MOD 15 V18 SWEEP FREQ. : 30-150 HZ
 SWEEP LENGTH : 8 SEC RECEIVER ARRAY : 14/0 M BUNCHED

SPREAD CONFIGURATION

TR 1	TR 49	TR 49	TR 98
362 M	15 M	15 M	362 M

PROCESSING SEQUENCE

DEMULTIPLIXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 16 SEC
 XORR W/ RECORDED SWEEP (RL=8 SEC.)
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHIFT APPLIED
 80 M DATUM W/ CORR. VEL. 900 M/S
 COMMON MIDPOINT SORT
 DECONVOLUTION - GRAFTED
 8 MS GAP 70 MS OPERATOR
 AUTOCOR. GATE 10-1000 MS
 VELOCITY ANALYSIS - CONSTANT VEL. STKS.
 RESIDUAL STATICS - SURFACE CONSISTENT
 ITERATIVE W/ VEL. ANALYSIS
 3 ITERATIONS STATICS W/ VELOCITY
 ITER 1-2 EVERY 2ND TR 15 TR PILOT 4 SHFT
 ITER 3 EVERY TR 30 TR PILOT 2 SHFT
 NMO/MUTE/SURGICAL MUTE/250 MS AGC
 COMMON MIDPOINT STACK - 48 FOLD NOM.
 DECONVOLUTION - ZERO PHASE
 30 FT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 20-30-150-150 HZ
 DESIGN GATE 0-350, 400-1000 MS
 FILTER 35-40-150-160 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100% STACKING VELOCITY
 DECIMATE 1 IN 6
 MIGRATE 0-1000 MS
 SIGNAL
 WINDOW : 7 TR
 INCREMENT : 3 TR
 TIME GATE : 60 MS
 DIP RANGE : +/- 30 MS/TR
 FILTER 35-40-150-160 HZ 0-1.0 SEC
 DIGISTK 50-50 MIX WITH SIGNAL TRACE
 AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 40.0 DATE PROCESSED: MAR 1992
 INCHES PER SEC: 10.0 POLARITY: NORMAL

VIRGINIA POLYTECHNIC INSTITUTE
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