34 MIG

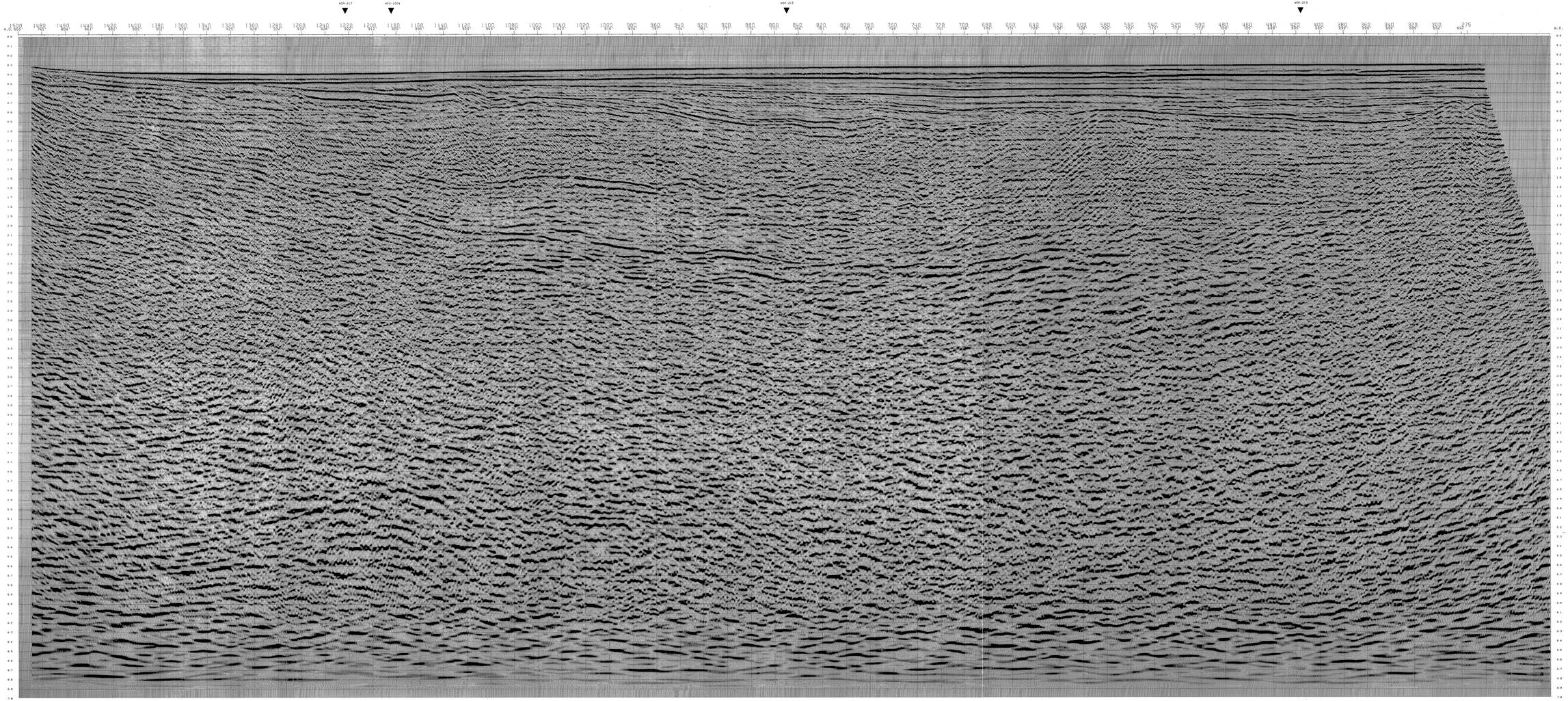
34 MIG

WSA-206

S.P. 1500-275

1 X 5800X MIGRATION TVF
MIGRATION BY FINITE
DIFFERENCE METHOD

SOUTHEAST



WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

GREEN SOUTH ALEUTIANS 1982

SHOT BY WESTERN GEOPHYSICAL CO. PARTY 120 NOV. 1982
PROCESSED BY WESTERN GEOPHYSICAL CO. HDC GROUP 27 JUNE 1983
PLOTTED BY WGC WGC GRAPHICS 1983
PLAYBACK REEL NO.LOWBRO 208 ABSTR

RECORDING DATA

SOURCE

ENERGY SOURCE	AIRGUN
TOTAL GUN VOLUME	2365 CU IN
AIR PRESSURE	2000 PSI
NUMBER OF GUNS	20
GUN DEPTH	20 FEET
FIRING INTERVAL	80 FEET
SHOT POINT INTERVAL	80 FEET
DISTANCE BY SOURCE TO ANTENNA	295 FEET

INSTRUMENTS

SYSTEM	DFS-V
AMPLIFIER	INST. FLOATING POINT
FILTER	6-128
SAMPLING INTERVAL	2 MSEC
RECORD LENGTH	7.0 SEC

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	9750 FEET
CABLE DEPTH	40 FEET
LEAD IN	1087 FEET
GROUP INTERVAL	82 FEET
NUMBER OF GEOPHONES PER GROUP	10
NUMBER OF GROUPS RECORDED	120

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC

1. EDIT
2. TIME VARIANT BEAM-STEER
3. COMMON OFFSET SORT
4. F-K FILTER
5. DECONVOLVED BEFORE STACK
   MINIMUM PHASE INVERSE FILTER
   AMORN LENGTH 0 EDGE ZONES
   LENGTH OPERATOR 200 MS
   PREDICTION DISTANCE 4 MS
6. NMO STACK 5800X
7. GRIN
8. MIGRATION
   FINITE DIFFERENCE METHOD
9. GRIN
10. TIME VARIANT FILTER

TIME ZONE		C.F. (HZ)	H.C.
0-2	SEC	12	50
2-3	SEC	10	45
3-4	SEC	8	35
4-5	SEC	6	30
5-7	SEC	5	25

120 GROUP CABLE USING ALL GROUPS
DYNAMICAL DRIFTING EXPANDING
CORRECTION TO SEA LEVEL DATUM 12 MSEC

LEGEND

W.D. INTERSECTING WATER DEPTH

HORIZONTAL SCALE
120 TRACE INTERVALS = 1 MILE

POLARITY CONVENTION
RECORDING : COMPRESSION PULSE NEGATIVE NUMBER
PROCESSING : COMPRESSION PULSE NEGATIVE NUMBER
DISPLAY : COMPRESSION PULSE TROUGH (DEPENDING BLACK)