BUNDESANSTALT FUER GEOWISSENSCHAFTEN UND ROHSTOFFE (BGR)

LABRADOR SEA
772 025 50

LINE BGR-21

DAS TV-FILTERED
1X24-FOLD STACK 48 TRACES
SP.: 15514 - 11950

RECORDING

FIELD PARTY: S.O. LABLOAN
CONTRACTOR: FRONCS DATE OF RECORDING: 25.7.-15.8.1977
FIELD SYSTEM: TYPE DFS-V
TAPE FORMAT: SEG-B 9-TRACK, 1600 BPI
SUBSURFACE COVERAGE: 24-FOLD
RECORD LENGTH: 5.12S SAMPLING RATE: 4 MS
FILTERS: LOWCUT 13 HZ, 18 DB/OCT
HIGHCUT 125 HZ, 36 DB/OCT
GAIN CONTROL: G.C.P.A. ON DB/OCT
POLARITY: COMPRESSIONAL EVENTS = NEGATIVE NUMBER
CABLE: TYPE FRANCLIN-DETRINS HSSH
LENGTH 2400 M, DEPTH 15 M
RECEIVER: TYPE FRANCLIN-DETRINS MULTISONE HORNPHONES
NO. OF GROUPS: 48, SPACING 50 M
GROUP LENGTH 46 M, 64 RECEIVER PER GROUP

SPACING OF EMITTER GROUP CENTERS: 50 M
ENERGY SOURCE: AIRGUN: 1x TYPE
DEPTH: 8 M, VOLUME 23.45 L

EMITTER RECEIVER CONFIGURATION

FOR 500 M 48 2350 M

PROCESSING

1. INPUT: TAPE FORMAT SEG-B 9-TRACK 1600 BPI
SAMPLING RATE 4 MS 48 TRACES
2. GAIN REMOVAL
3. AMPLITUDE CORRECTIONS
FOR SPHERICAL DIVERGENCE
4. STATIC CORRECTIONS DERIVED FROM
VELOCITY ANALYSES: "GEAV" AND
VELOCITY FUNCTION STACK: "FVSA"
5. NORMALIZATION
6. STACKING: 24-FOLD (WEIGHTED)
7. DECONVOLUTION: TYPE HOMOMORPHIC
TOTAL OPERATOR LENGTH: VARIABLE WITH WATERDEPTH
FIRST OPERATOR: 96 MS
PREDICTIVE DISTANCE: 48 MS
GAPS: VARIABLE WITH WATERDEPTH
SECOND OPERATOR: 120 MS
8. FREQUENCY FILTER: LINEARLY INTERPOLATED SP.: 11950
TRAVEL TIME LOWCUT HIGHCUT
HZ DB/OCT HZ DB/OCT
0.0 - 4.0 15 12 55 24
5.0 - END 9 15 46 25
9. NORMALIZATION
10. DISPLAY
SCALE: 1:50000 10 SP.CH., TRACE SPACING 46.5 MM
NEGATIVE NUMBERS = WATER SECTION

DATE: 15.12.1977
INPUT DATA: SEISTEKGRUPPE
SUPERVISOR: HEBER, F.

BGR-21

LEGEND

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