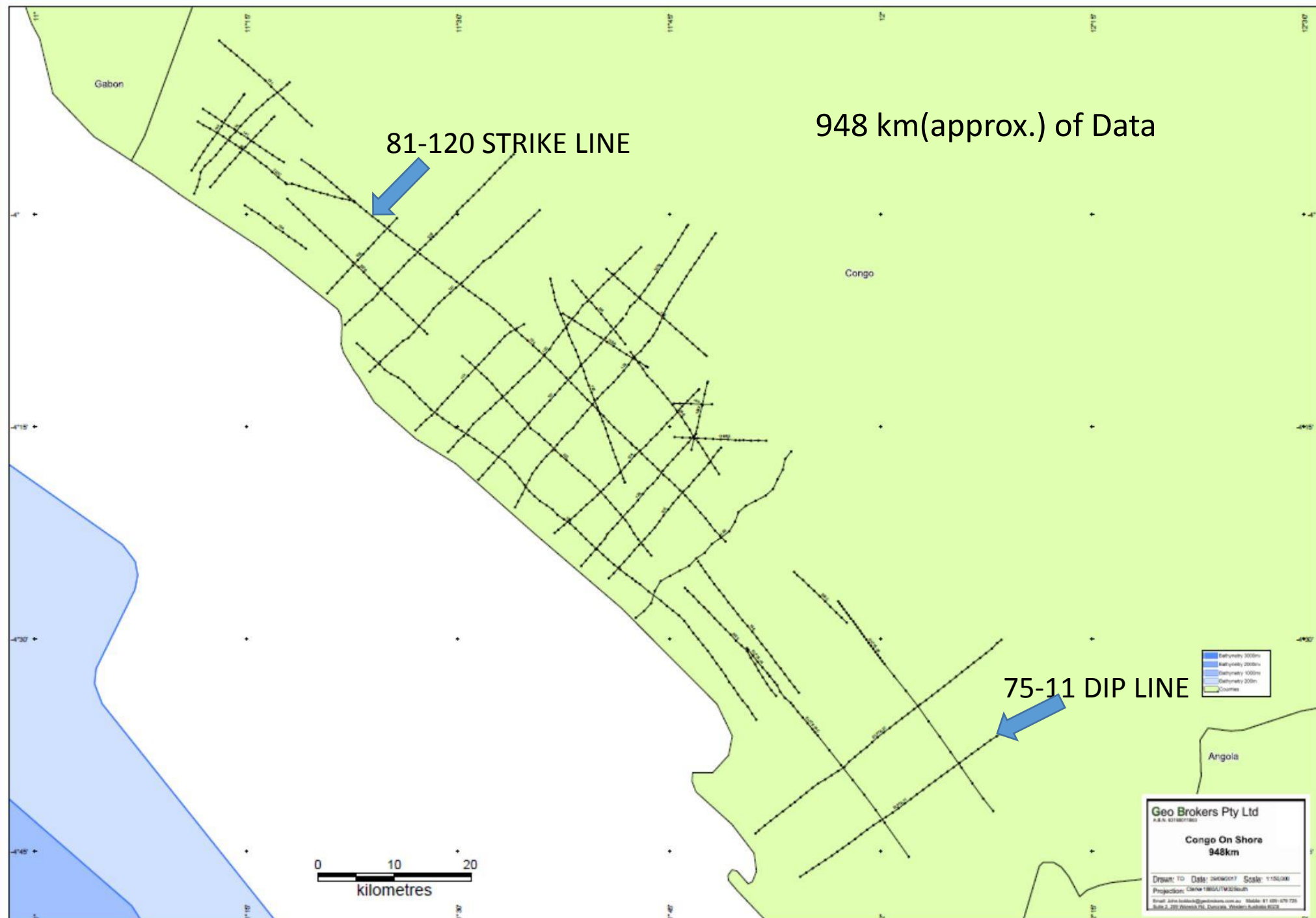


# Congo Onshore

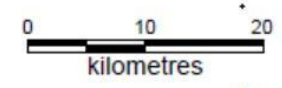
2D Seismic Data Example



81-120 STRIKE LINE

948 km(approx.) of Data

75-11 DIP LINE



**Geo Brokers Pty Ltd**  
A.B.N. 61160711863

**Congo On Shore**  
**948km**

Drawn: TD Date: 20/06/2017 Scale: 1:100,000  
Projection: UTM Zone 18N UTM South  
Email: john.brooks@geobrokers.com.au Mobile: 01 459 479 725  
Suite 2, 200, Riverside Drive, Doreville, Doreville 4022



# Original Section – strike line 81-120

## FINAL PRESENTATION

**Petty-Ray**

SHOTPOINTS 1900 - 1213  
DISPLAY NO.1 - FINAL  
DATUM SEA LEVEL  
RECORDED BY PETTY-RAY GEOPHYSICAL

Photodot

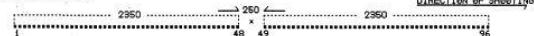
### RECORDING PARAMETERS

CRW 6310  
RECORDING DATE 26 FEB.-9 MARCH 1981  
ENERGY SOURCE DYNAMITE  
STATION INTERVAL 50 METRES  
SOURCE PATTERN 2.5 KG OVER 50 METRES  
DEPT OF CHARGE 10 FEET (NOMINALLY)  
GEOPHONE PATTERN 48 PHONE VADIS OVER 106M

### RECORDING GEOMETRY

STACK 4800X  
SPREAD 125M - 2475M SPLIT SPREAD  
INSTRUMENT HDS-10  
GEOPHONE TYPE HD 79  
RECORD LENGTH 4 SECONDS  
SAMPLE RATE 4 MILLISECONDS  
RECORDING FILTER 9KHZ(1800/8CT) - 62KHZ  
FIELD REELS 219 TO 239

SPREAD DIAGRAM (DISTANCES IN METRES)



3 HOLES 25 METRES APART - TOTAL CHARGE 1.5 KG

0.5KG 0.5KG 0.5KG

48 GEOPHONE VADIS RECEIVER (LENGTH 106M)

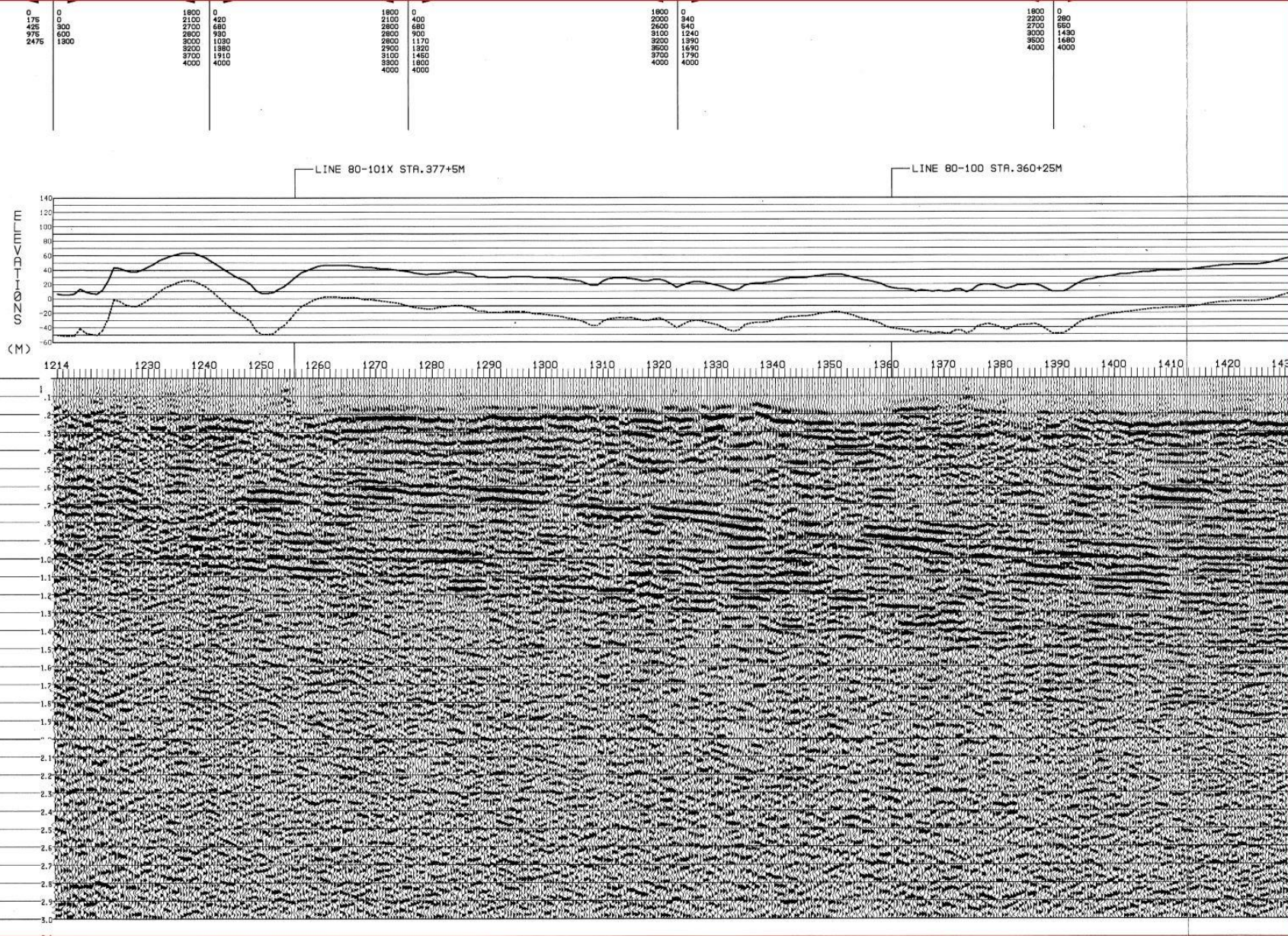
STN. N STN. N+1 STN. N+2

### PROCESSING SEQUENCE

\*\*\*\*\* PREPROCESSING \*\*\*\*\*  
DEMULPLEX TO PETTY-RAY MULTIPLEX-1 FORMAT  
AMPLITUDE RECOVERY USING THE GAIN CURVE: GAIN(CB)= T \* 20.00(10)T  
TRACE EDIT GAIN RECOVERED OUTPUT DISPLAYED FOR QUALITY CONTROL  
ABC AUTOMATIC GAIN CONTROL USING A 500 MSEC WINDOW  
DECONVOLUTION TIME VARIANT - 2 OPERATORS EACH OF LENGTH 160 MS - LAG 40 MS

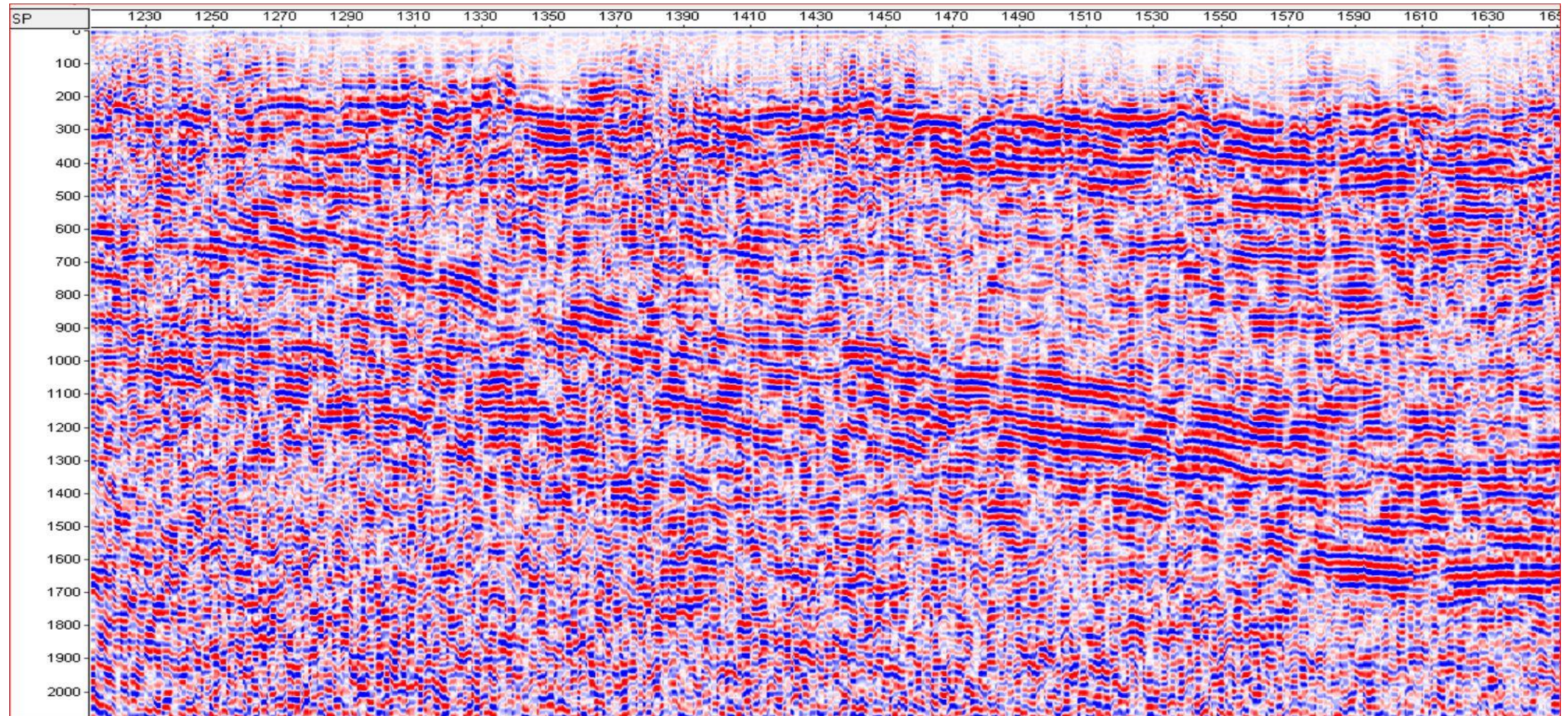
\*\*\*\*\* CORRECTIONS \*\*\*\*\*  
GATHER REARRANGE TRACES IN DEPTH-POINT ORDER  
STATIC CORRECTIONS APPLIED TO SEA LEVEL DATUM  
VELOCITY ANALYSIS GROSS CORRECTIONS DETERMINED FROM LVL REFRACTION SURVEY  
INTERPRET CONSTANT VELOCITY STACKS  
NMO CORRECTIONS DERIVED FROM VELOCITIES(M/S) SHOWN ON SECTION HEADER  
TIMES ANNOTATED FOR VELOCITY FUNCTIONS ARE FROM SURFACE  
TRACE SUPPRESSION DERIVED FROM DEPTH-POINT GATHERS AND MUTECANS  
ARSTAT APPLICATION OF AUTOMATIC RESIDUAL STATICS  
STACK 48 CDP

\*\*\*\*\* POST-STACK PROCESSING \*\*\*\*\*  
FREEDOM COHERENCY SCALING IN FREQUENCY DOMAIN (EXPONENT=130)  
128 TRACE PARTITIONS WITH 64 TRACE OVERLAP  
FREQUENCY DOMAIN VELOCITY FILTER (F-K FILTER)  
FILTER APPLICATION OF TIME VARIANT ORMSBY BANDPASS FILTER (SEE BOX BELOW)  
BALANCE DYNAMIC TRACE EQUALISATION USING 600 MSEC WINDOWS  
PHOTODOT DISPLAY.





# Converted to SEGY





# Original Section – dip line 75-11

**SECTION DEFINITIVE**

TRAITEMENT	
RECUPERATION DES AMPLITUDES	AJUSTEMENT AUTOMATIQUE DES CORRECTIONS STATISTIQUES
EDITION	ADDITION COUVERTURE 24
DECOMPOSITION 120 ms	FILTRE VARIABLE
PREMIERES 0 ms - 600 ms	AMELIORATION DE LA COHERENCE SPATIALE (AMCO-D) PONDAGE $\pm 4$ ms/TRACE
1000 ms - 2000 ms	EQUALISATION DES TRACES
2500 ms - 4000 ms	RESEAU ANALOGIQUE
FILTRE PASSE BANDE 8/52	
EQUALISATION DES TRACES	
CORRECTIONS STATISTIQUES	
ANALYSE CONTINUE DES VITESSES (SPECIAL DE VITESSES)	
CORRECTIONS DYNAMIQUES (INTERPOLATION LINEAIRE ENTRE 2 LIGES CONSECUTIVES)	

L'ORDRE DES TEMPS CROISSANT DE TROUVE AU DP 0 M

**COMPAGNIE GENERALE DE GEOPHYSIQUE**  
10, rue de la République - 93000 PARIS

DATE 3 / 2 / 76  
VISA

**I. MISE EN ŒUVRE :**

1. TOPO

POINTS DE TIR
Savanes, dépressions, couvertes de forêts
marécages dans les bas-fonds

2. FORAGE

POINTS DE TIR
Entassement de cordeau au bulldozer, zones portables
forées au jet ou à la tarière

3. DISPOSITIF

POINT DE TIR	BASE SISMOGRAPHIQUE
Tir : au centre	Distance entre PT : 50 m
Deport latéral : 0 m	Distance entre traces : 50 m
Nb de tracs : cordeau	Nb de traces : 48
Profondeur : 0.50 m	Nb de sismos trace : 36
Charge unitaire : 3 kg	Charge totale : 3 kg

**SCHEMA**

1 2 24 25 48

**POINT DE TIR CORDEAU**

1 2 3 4 5 6 7 8

**TRACE**

1 2 3 4 5 6 7 8

**II. REGLAGES D'ENREGISTREMENT**

LABORATOIRE	SN 338 n° 35	SISMOS	type	D.S.
ENREGISTREUR	21 pistes	fréquence	10 Hz	

AMPLIFICATEURS	FILTRES
BF : 0 Hz	
WT : 62.5 Hz	

Gain de l'enregistrement : 55  
Echantillonnage : 4ms

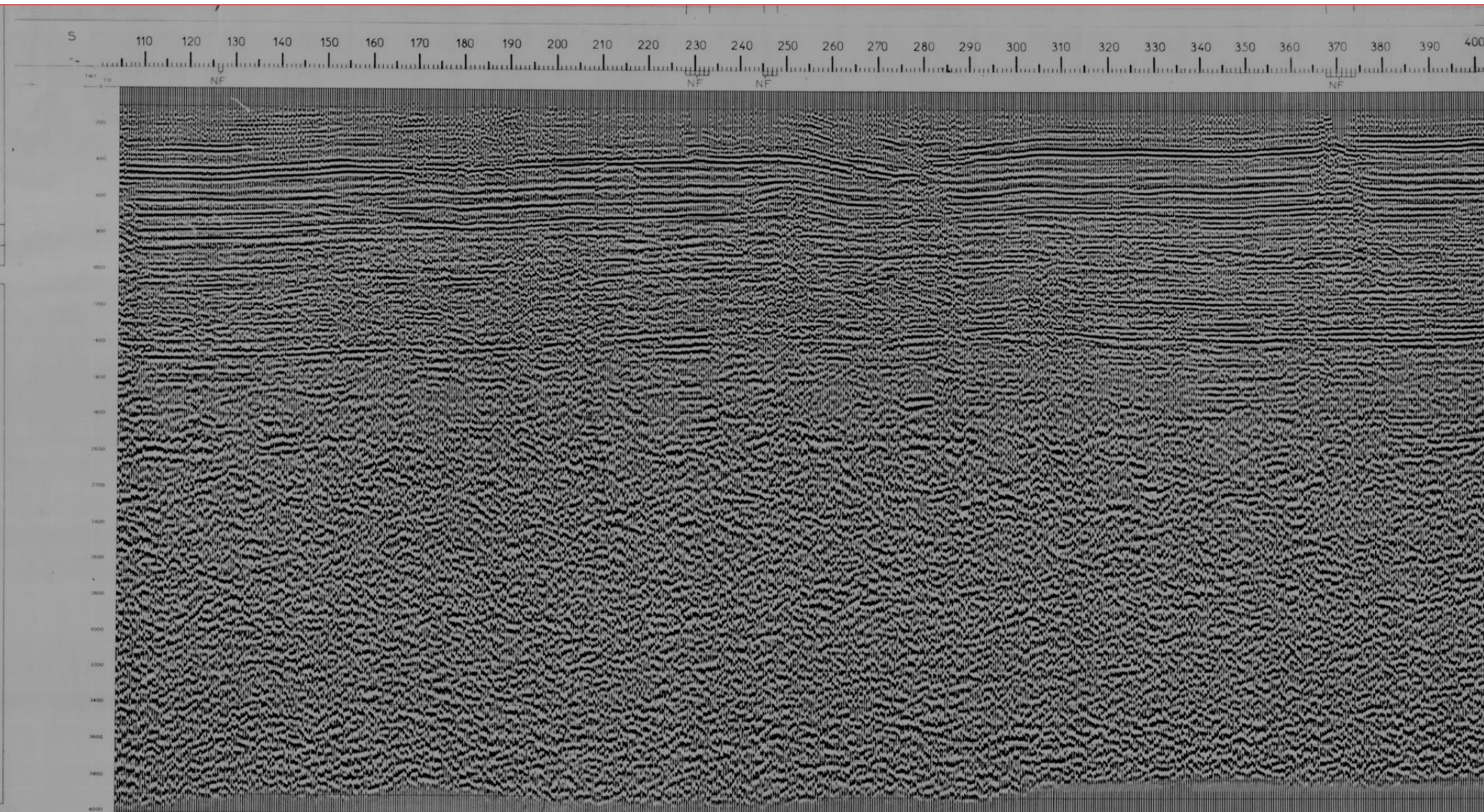
**III. CORRECTIONS DE SURFACE**

1. METHODE : Identification de la base W2 par étude des chronométriques

2. VITESSES : les W2 caractérisées

**OBSERVATIONS**

Date d'enregistrement : / / 74





# Converted to SEGY

