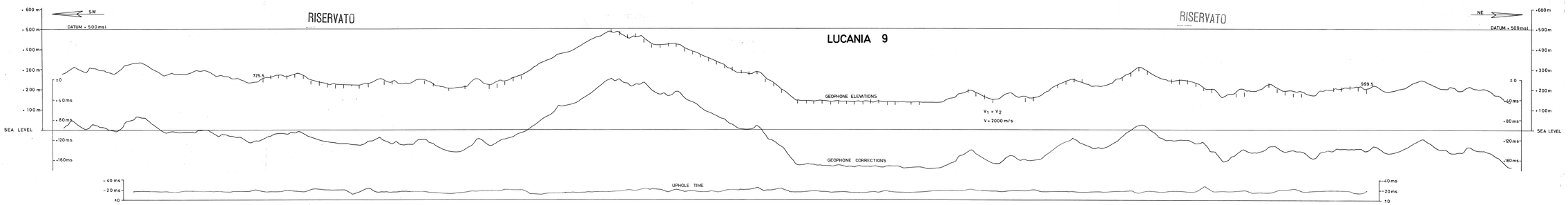

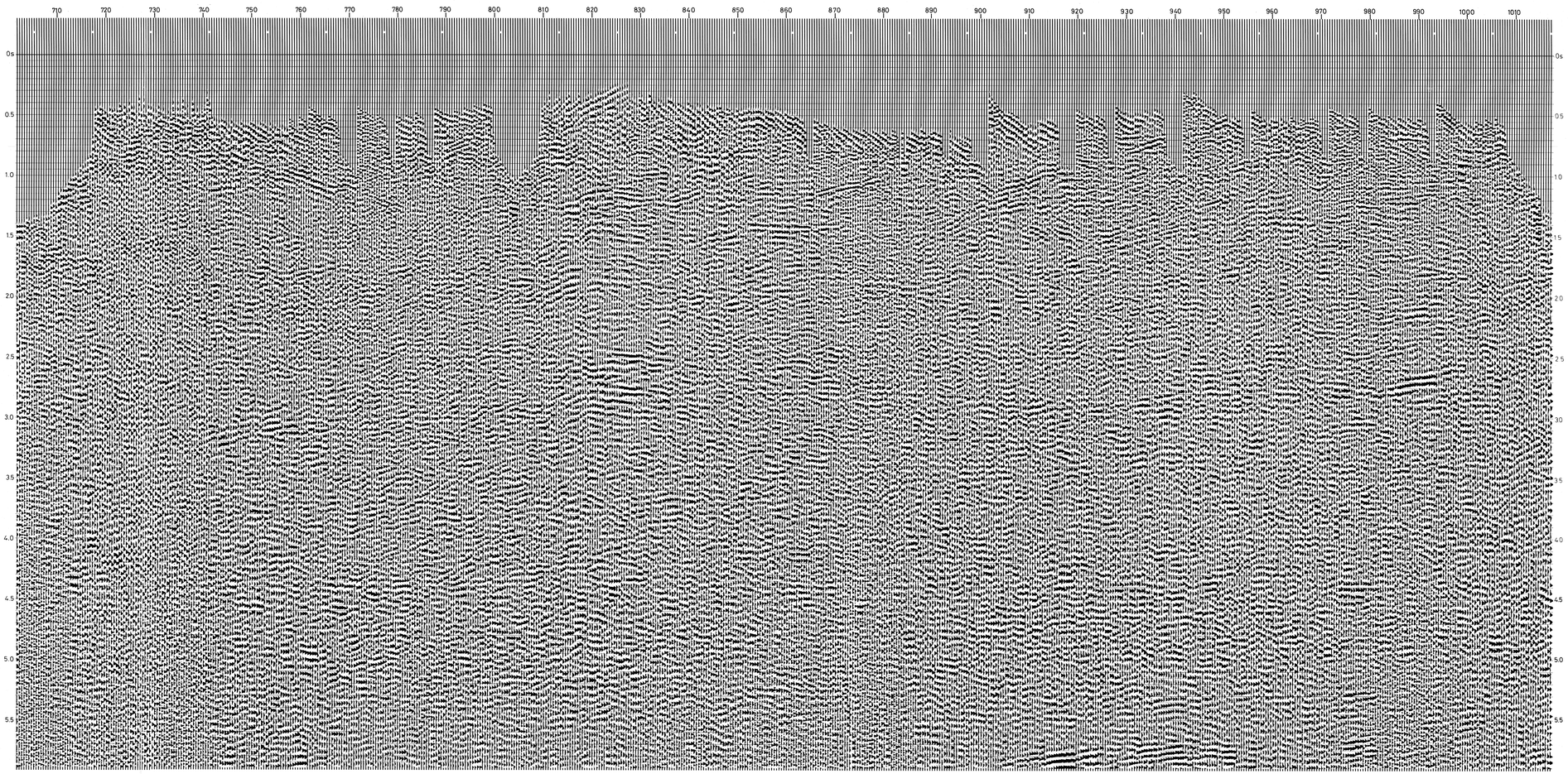

average velocity for NMO-corr.

2950m/s

3150m/s

3200m/s

3600m/s

4000m/s

4200m/s

SORI
MILANO

RISERVATO

PRAKLA-SEISMOS DATA-CENTER

Prospect LUCANIA Line 9

Prospect No. 069.084 SP 695.5 – 999.5

Fold 600 %

Recording Data

Field party: PRAKLA ITALIEN VII

Prospect/Horizon: DES GRL – 1969

Coverage single 6-fold stack

Instruments: TI 10 000 (MER 76)

Filters: Low-cut 10 cps 36 distor.

High-cut 125 cps

Gain control: AGC ☐ FIX ☐ program A.G.C.

Type of geophone/hydrophone: SW 2 (10Gr.)

Macro-static: type

length m

spacing m

Seismometer group number: 24

spacing 24 m

Seismometer per group: 24

Length of one seismometer group: 70 m

Spread lay-out: Tx SP 999.5 Rx

Tx SP 997.5 Rx 100 m

Tx 1150 Rx

Shot/vibrator position/configuration: Tx 525 m

Length of shots/vibrator pattern: 21 m

Gap: m

Survey direction: SW NE

Remarks:

Play-back Data

Instruments: Drop ☒ Disk ☐ Film ☐ Mag. ☐ Long. ☐

Filters: Low-cut cps distor.

High-cut cps distor.

Gain control: AGC ☐ FIX ☐ prog. ☐

Mark: m

Trace spacing: 2.8 mm Display: Magnetometer LAB

Vertical scale: Fix 10 cm

Horizontal scale: 12.500

Remarks: NMO VELOCITIES REFER TO SURFACE

Processing

Step	Seq.	Input	Output
1		AM	7 track Format
2		AM	9 track Format
3		AL	9 track Format TIAC
4			Pre-Calculation SP Ensl. No
5			Amplitude correction on point-shots
6			Amplitude correction
7			Programmed gain
8			Static corrections datum + 500 msl
9			Dynamic corrections
10			Autocorrelation SP Ensl. No
11			Power spectrum SP Ensl. No
12			Power spectrum SP Ensl. No
13			Deconvolution
14			Operator length 1) msec 2) – msec
15			Gate 1) – msec 2) – msec
16			Stack 1 fold
17			Autocorrelation SP Ensl. No
18			GEST (RESIDUAL STATICS)
19			Horizontal stacking 6-fold
20			Optim horiz stacking fold
21			Optim vertical stack fold
22			Optim vertical stack fold
23			Trace gathering fold
24			Frequency filtering

Low-cut cps	Low-cut distor.	High-cut cps	High-cut distor.
0 – 3.5	18	38	65 24

Optimum filtering

Velocity filtering

Mixing: Trace length: msec

Gain control: Fix ☐ AGC ☐

Normalization after 2. T

Remarks

Author FLOHR

Supervisor DIRMEIMANN

Approved

Date MARCH 5th 1970

141/03/70

Prospect No.

6315

Sheet