RISERVATO

LUCANIA 8

RISERVATO

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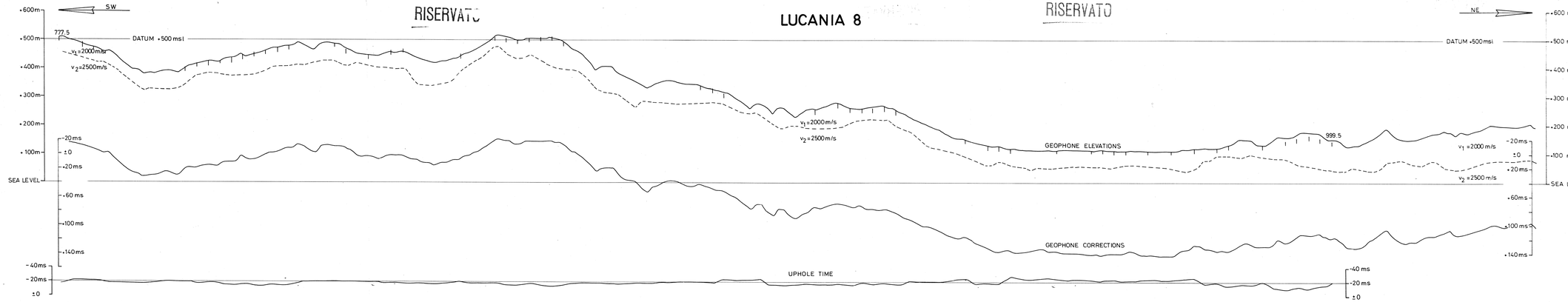

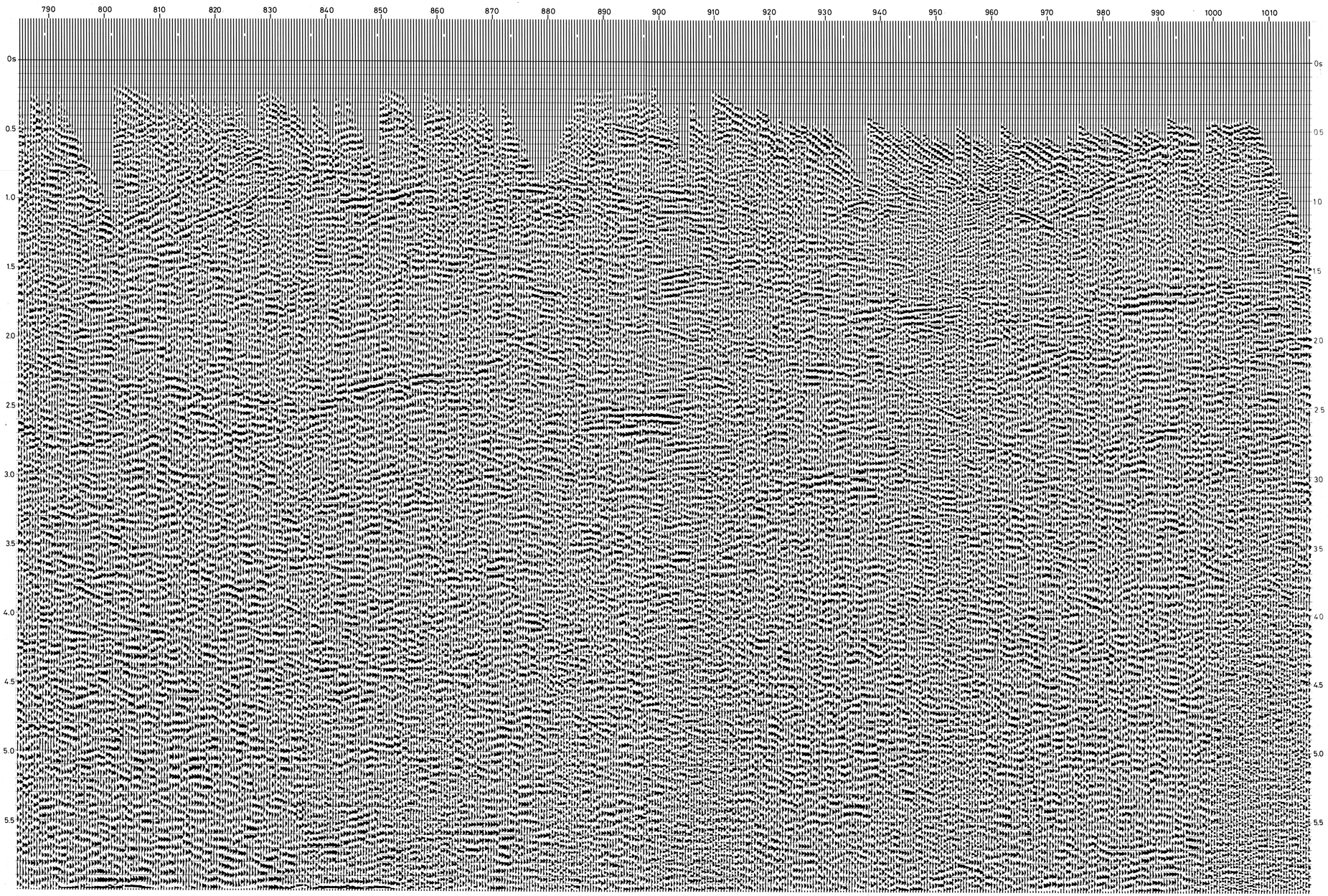

average velocity for NMO-corr.

2950m/s

3150m/s

3200m/s

3600m/s

4000m/s

4200m/s

RISERVATO

S.O.R.I. MILANO

PRAKLA-SEISMOS DATA-CENTER

Prospect: LUCANIA Line: 8

Prospect No.: 069.084 SP: 7775 – 999.5

Amplitude 600 %

Recording Data

Field party: PRAKLA ITALIEN VII

Prospect / No / date: 069.084 - 1969

Coverage: single ☐ 6-fold stack ☒

Instruments: TI 10000 (MDB 14)

Filters: Lowcut 10 cps 36 db/oct

Highcut 110 cps db/oct

Gain control: AGC ☐ PGC ☐ ganged AGC ☒

Type of geophone/hydrophone: SM 2 (10 cps)

Marine-cable / type

length: m

submerged m

Seismometer groups, number 24

spacing m

Seismometers per group 24

Length of one seismometer group: 70 m

Spread lay-out: 24 SP 999.5 / 24 SP 997.5 / 24 — 1150 m — 100 m

Shot / Vibrator-pattern / configuration: 24 — 1 — 625 m

Length of shot / vibrator-pattern: m

Depth of shots 21 m

~~Sweep~~

Survey direction: SW ◄ NE

Remarks:

Play-back Data

Instruments: Disa [X] Seika ☐ Seqoy ☐ Sumo ☐

Filters: Lowcut cps db/oct

Highcut cps db/oct

Gain control: AGC ☐ PGC ☐ Reg ☐

Mixing:

Trace spacing: 2.0 mm, Display: ~~Wiggle~~ / ~~Density~~ / VAR

Vertical scale: 1s = 10 cm

Horizontal scale: 1 : 12500

Remarks: NMO VELOCITIES REFER TO SURFACE

Processing

analog	digital	
		Input AM 7 track, Format
	1	FM 9 track, Format
		21 track, Format TIAC
		VI-Calculation, SP Encl. No
	2	Amplitude-correction on plane waves
		Trace equalization
		Programmed gain
	4	Static corrections, datum +500 m s.l.
	3	Dynamic corrections
		Autocorrelation SP Encl. No.
		Retrocorrelation SP Encl. No.
		Power spectrum SP Encl. No.
		Deconvolution
		Operator length: (1) msec 2) msec
		Gate: (1) – 2) –
		Signal cps
		Autocorrelation SP Encl. No
	6	GEST (RESIDUAL STATICS)
	7	Horizontal stacking 6- fold
		Optim. horiz. stacking fold
		Vertical stacking fold
		Optim. vertical stack fold
		Trace gathering fold
	8	Frequency filtering

Traveltime sec	Low-cut cps	Low-cut db/oct	High-cut cps	High-cut db/oct
0 / 6.0	15	36	≤5	24

Optimum - filtering

Velocity filtering

Operator length: msec

width: traces

Mixing: fold

Gain control: 1 ☐ 2 ☐

Normalization after: 2.8

(S) Remarks: NOTCH FILTER AGAINST 50 cps

Author: FLOHR

Supervisor: DANIELMANN

Approved

Date: FEBRUARY 25th 1970

1236/02/70 Processing no.

6174 Registr. no.