

## Field campaign 1998

### TRANSALP'98-N

#### Acquisition Parameters Vibroseis (Main Line)



Date of acquisition	07 September to– 03 October 1998
Contractor company (main line)	THOR Geophysikalische Prospektion GmbH, Kiel, with IMC, U.K.
Length of profile	ca. 120 km
Recording unit	ARAM24
No of channels	360
Geophone group spacing	50 m
Geophone group pattern	12-fold, 50 m linear
Geophone type	SM-4, 10 Hz
Spread	asymmetric split spread, 12 km (N) – 6 km (S)
Source	4 vibrators Failing Y-1100 (125 kN peak force each)
Source spacing	100 m (nominal)
Vibrator electronics	Pelton Advance II
Vibrator pattern	70 m linear
No of sweeps per VP	8
Sweep	10-48 Hz linear upsweep
CMP coverage	90 (average)
Sweep length	28 s
Listening time	20 s

### Acquisition Parameters

Sampling interval	4 ms
Type of data storage	1) diversity-stack, non-correlated 2) diversity-stack, correlated
Storage medium	Cartridge 3480 plus Exabyte
Data format	SEG-D, demultiplexed

### Acquisition Parameters Explosion Seismics (Main Line):

No of shotpoints	8 between Miesbach and Inntal, shot locations 1,2,3,4,5,6,8,10
Contractor for drilling, shooting	THOR Geophysikalische Prospektion GmbH, with companies Thiele and Celler Brunnenbau
Spacing of shotpoints	ca. 5 km (average)
Source	Explosives
Charge per shot	90 kg in three drillholes
Depth of drillholes	30 m
Tamping	by Bentonite, Cement
Recording	ARAM24, 360-500 channels in off-end configuration, SUMMIT-2 on cross-lines Q1,Q2 with 200-240 channels
Length of recording	64 s
Sampling interval	4 ms
Storage medium	Cartridge 3480 plus Exabyte (main line)
Data format	SEG-D, demultiplexed

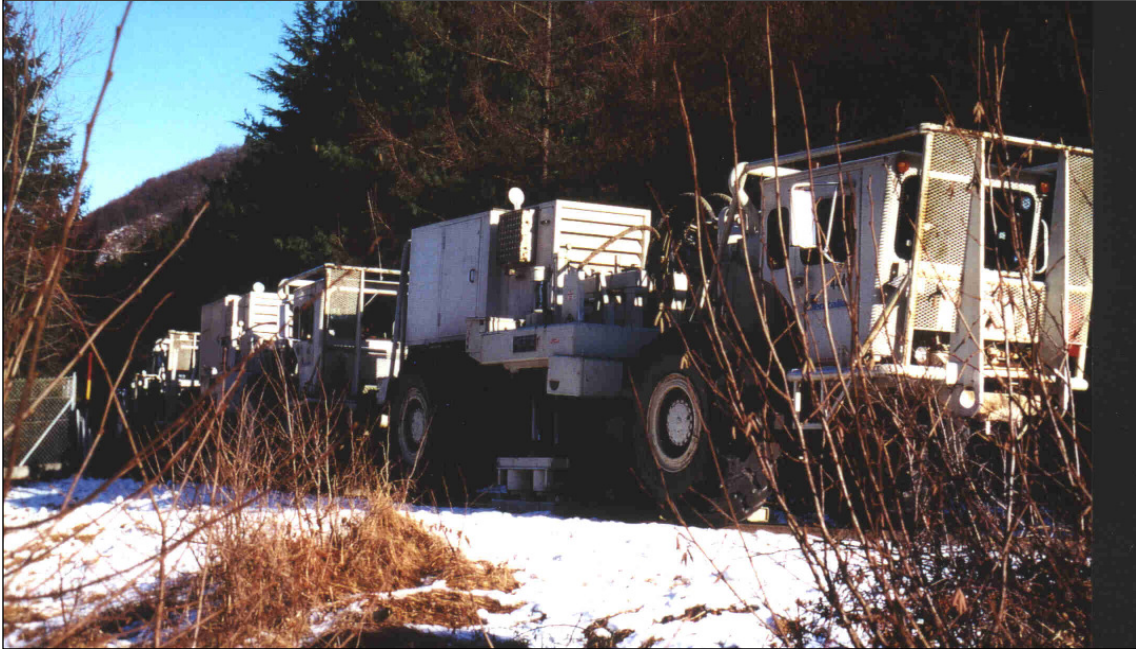
### Acquisition Parameters Cross Lines:

Acquired cross lines	Q1 and Q2
Contractors	DMT GeoTec, Essen, for Q1, Joanneum Research and Montanuniversity, Leoben, for Q2
Length of cross lines	ca. 20 km
Recording unit	SUMMIT-2 each in slave mode
No of channels	200-240
Source	vibratorpoints on main line, explosive shotpoints on main line, two explosive shotpoints off-end on cross line (also recorded on main-line spread)
Listening time	18 s
Sampling interval	4 ms
Geophone group spacing	80 m
Geophone type	10 Hz
Geophone group pattern	12-fold, 80 m linear
Storage type	diversity-stack correlated
Storage medium	DAT

## TRANSALP`98-S

essentially same parameters as on TRANSALP`98-N, except:

### Acquisition Parameters Vibroseis (Main Line):



Date of acquisition	16 December 1998 to– 29 January 1999
Contractor company (main line)	GEOITALIA S.P.A., Milano
Length of profile	ca. 50 km
Recording unit	SERCEL 368
Spread	asymmetric split spread, 12 km (S) – 6 km (N)
Source	4 vibrators Mertz M12 (peak force 133,5 kN each)
Sweep	10-62 Hz linear upsweep
Storage type	stacked, correlated
Storage medium	Cartridge 3480

### Acquisition parameters Explosion Seismics (main line):

No of shotpoints	10
Contractor for drilling, shooting	GEOITALIA S.P.A., Milano
Charge per shot	8-90 kg in multiple drillholes, some of the shotpoints were split into 2-12 single shots
Recording	SERCEL 368, 360-500 channels
Length of recording	20 s
Storage medium	Cartridge 3480

### Acquisition Parameters Cross Lines:

Acquired cross line	Q7
Contractors	GEOITALIA S.P.A., Milano

*Acquisition Parameters*

Recording unit	SERCEL 368 with additional 240 channels
Storage type	stacked, correlated
Storage medium	Cartridge 3480

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