UPDATE ON THE SEISMIC PHYSICAL MODELLING FACILITY

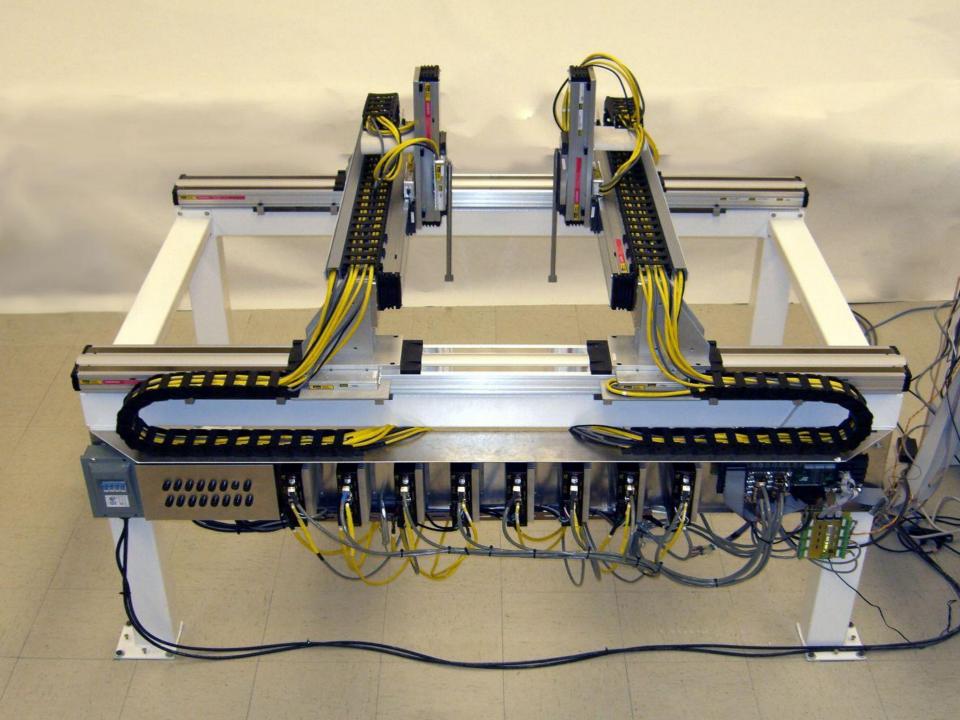
Joe Wong, Kevin Hall, Eric Gallant, Rolf Maier, and Malcolm Bertram





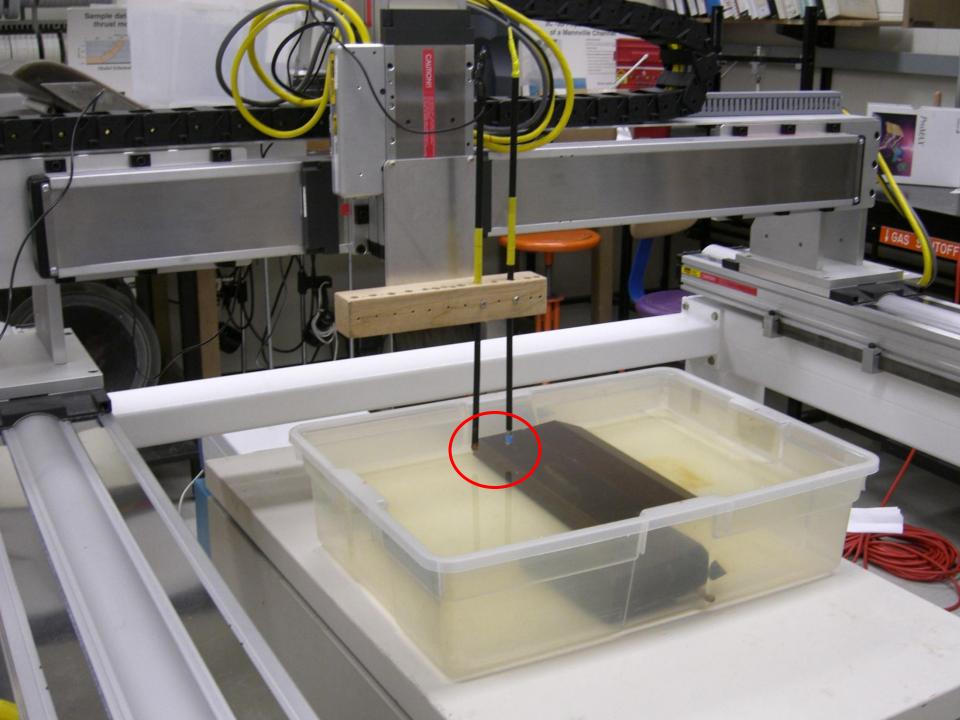
OUTLINE:

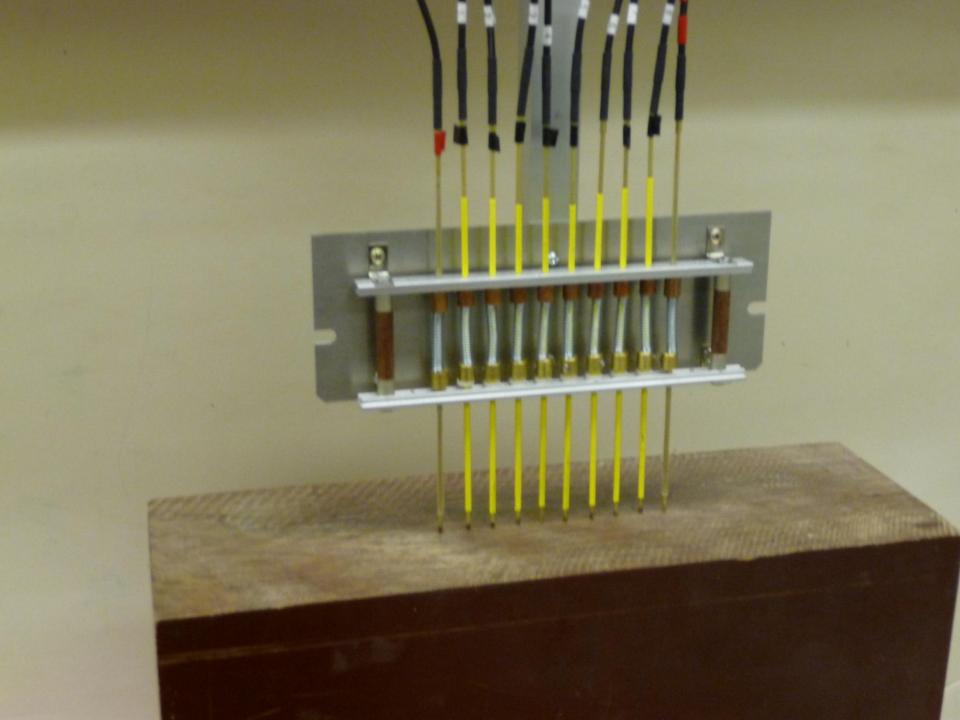
Introduction Positioning System Transducers and Arrays Master Control Program **Testing and Test Data** Concluding Remarks Acknowledgements

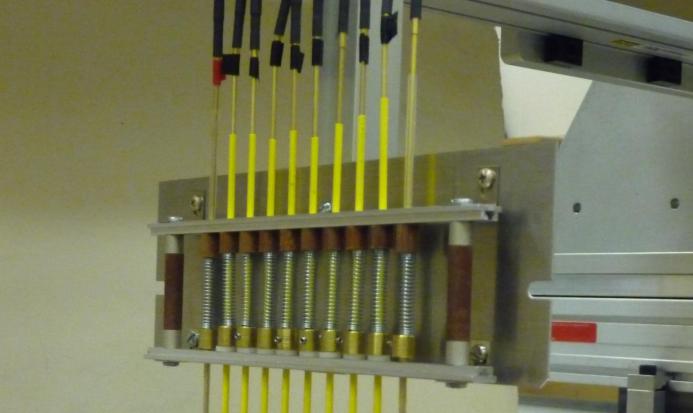


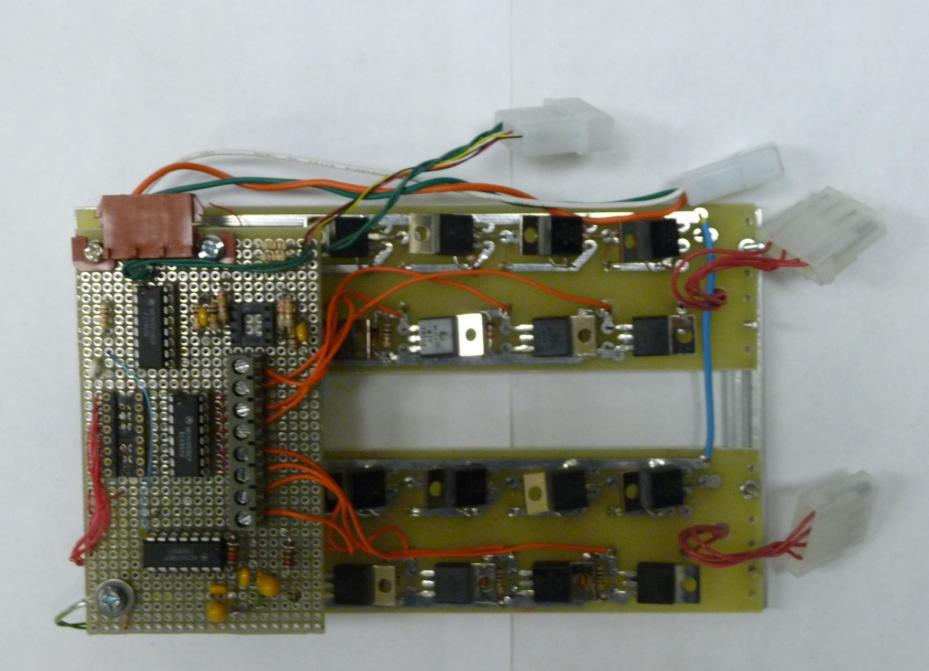
Transducer Types :

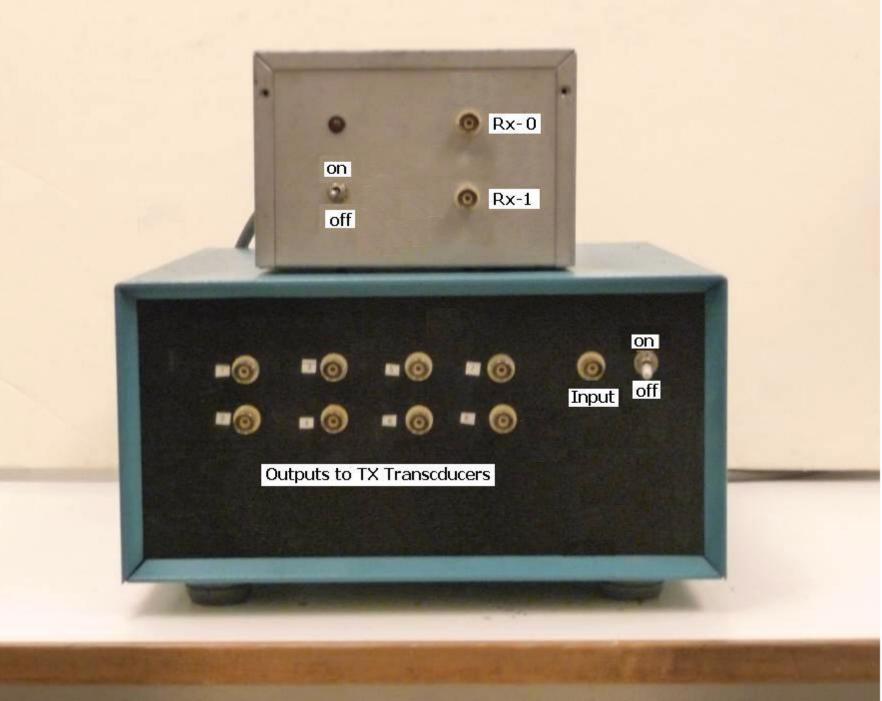
HemispheresPiezopins







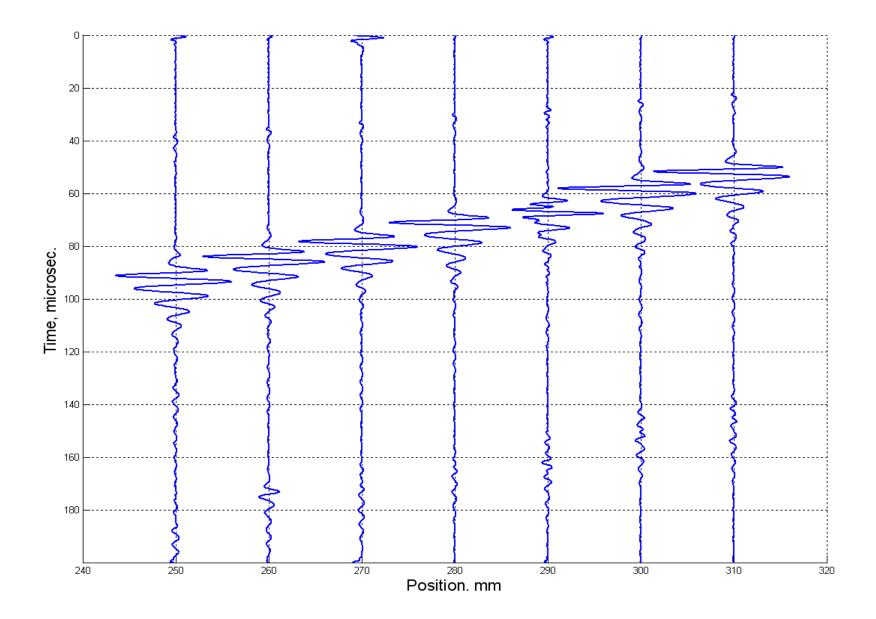


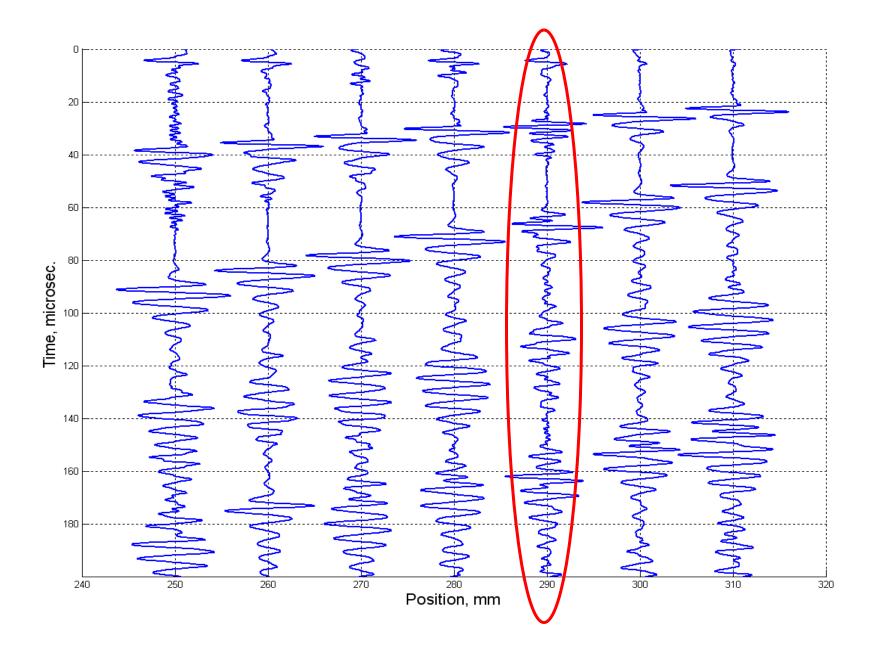
Master Control Program: Develop in Visual Studio IDE. Combine motor control and A/D SDKs. Synchronize automatic functions.

- move transducer arrays ;
- activate specific Tx and Rx transducers ;
- acquire seismic traces ;
- save to file with geometry.

Testing and Test Data







ANGER ELIGRO ITENTION

TO AVOID PERSONAL INJURY READ OWNER'S MANUAL BEFORE OPERATING OR REPAIRING SCISSOR LIFT.

PARA EVITAR DANOS PERSONALES LEA EL MANUAL DEL PROPIETARIO ANTES DE OPERAR OREPARAR EL ELEVADOR DE TIJERAS.

POUR ÉVITER TOUTE BLESSURE PERSONNELLE LIRE LE MANUEL D'UTILISATION AVANT DE METTRE EN MARCHE OU AVANT DE RÉPARER L'ÉLEVATEUR CISEAU.



DO NOT PUT HANDS, FEET OR OBJECTS UNDER TOP. LOWER PLATFORM SLOWLY.

NO PONGA MANOS, PIES U OBJECTOS DEBAJO DEL BORDE. DESCIENDA LA PLATAFORMA LENTAMENTE.

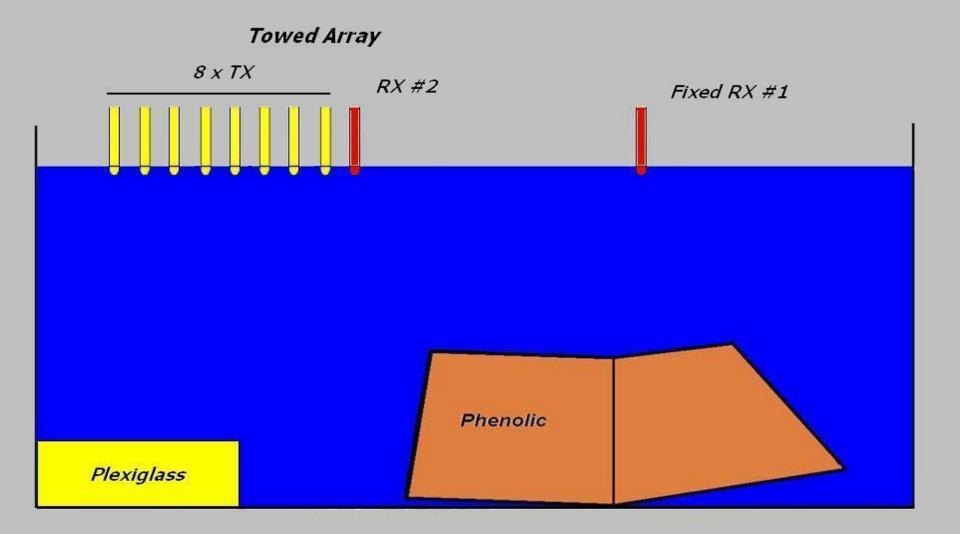
NE PAS METTRE LES MAINS, LES PIEDS OU TOUT OBJET SOUS LE PLATEAU SUPÉRIEUR. DESCENDRE LA PLATE-FORME LENTEMENT.

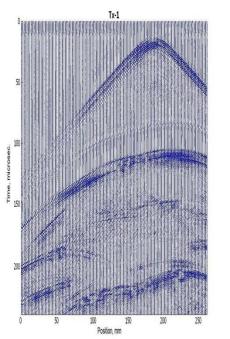


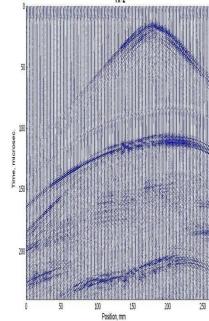
DO NOT WORK UND WHILE LOADED. KE MECHANISM.

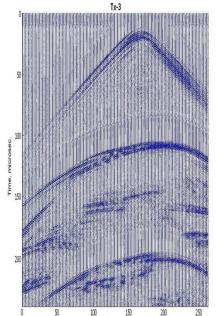
NO TRABAJE DEBA. SEGURIDAD O CUA ALEJADO DEL MECA

NE PAS TRAVAILLER SOUS L'ÉLEVATEU LORSQU' IL EST CHARGÉ. RESTER A L'E LORSQUE L'ÉLEVATEUR EST EN FONCT

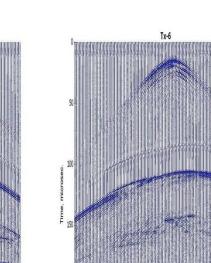


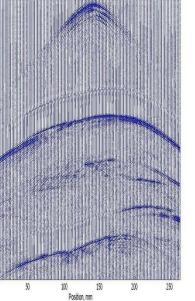


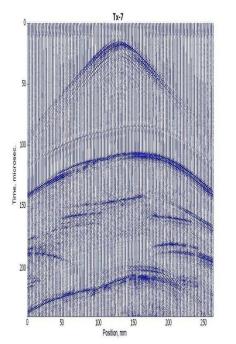


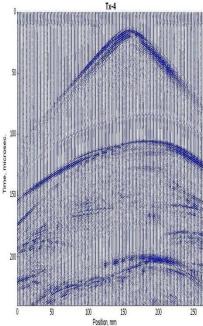


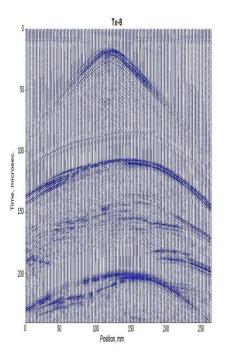


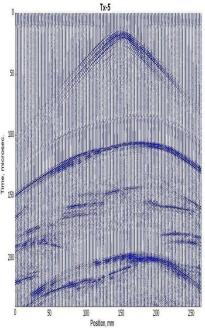




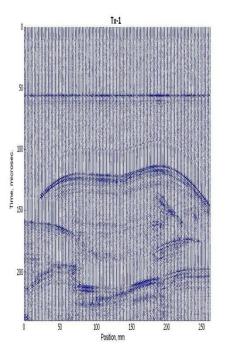


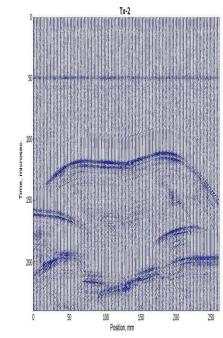


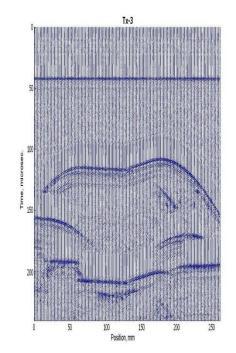


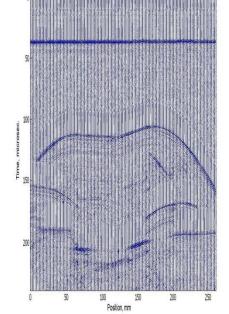


Tx-2

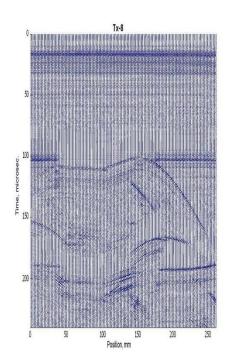


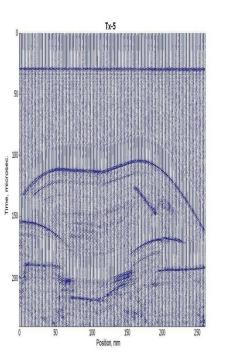


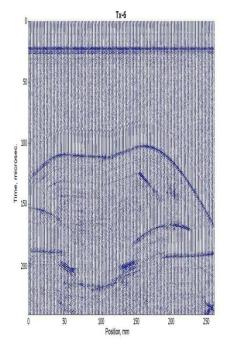


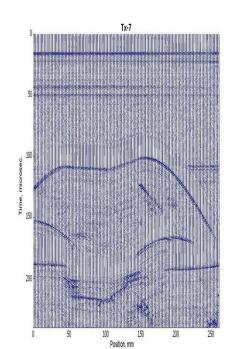


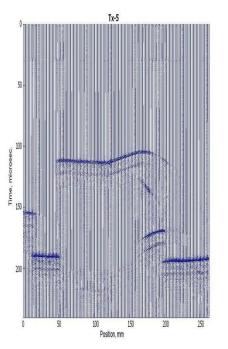
Tx-4

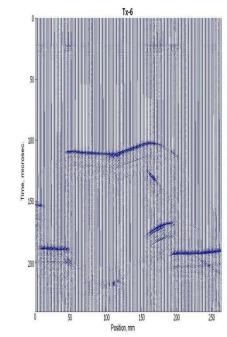


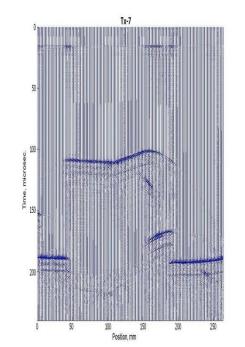


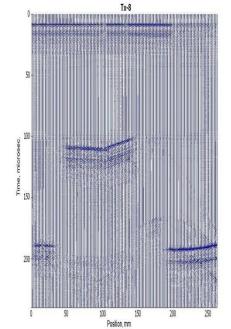


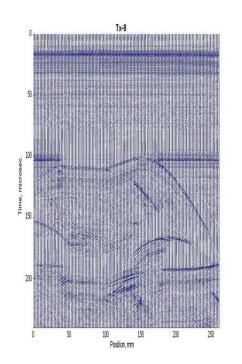


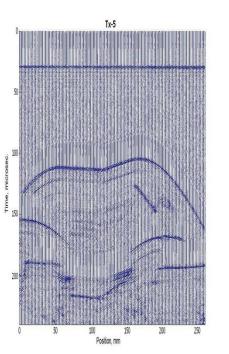


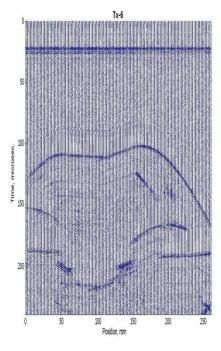


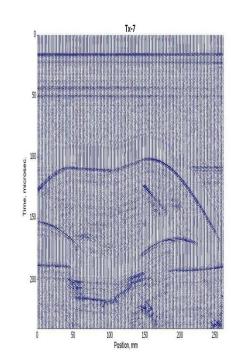


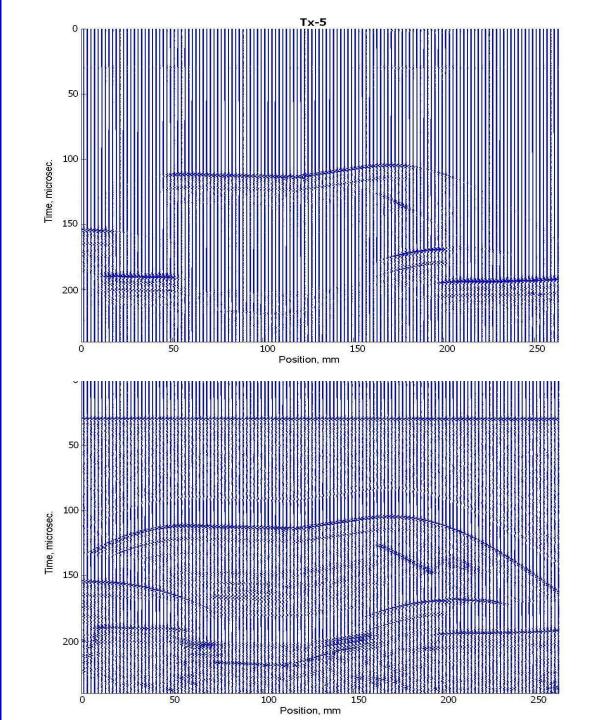












CONCLUSION:

What's ahead?

- Larger transducer arrays.
- Optimized software.
- 3D solid modelling.
- Anisotropic/fracture models.
- Exhaustive dataset a million traces?

ACKNOWLEDGEMENTS

We thank the sponsors of the CREWES Project for supporting this work.