

# SPATIAL VARIABILITY OF NOISE AND SIGNALS FROM POINT ACOUSTIC MEASUREMENTS

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- \* motivation and goals
- \* experimental design
- \* data
- \* preliminary results

## EXPERIMENTAL GOALS

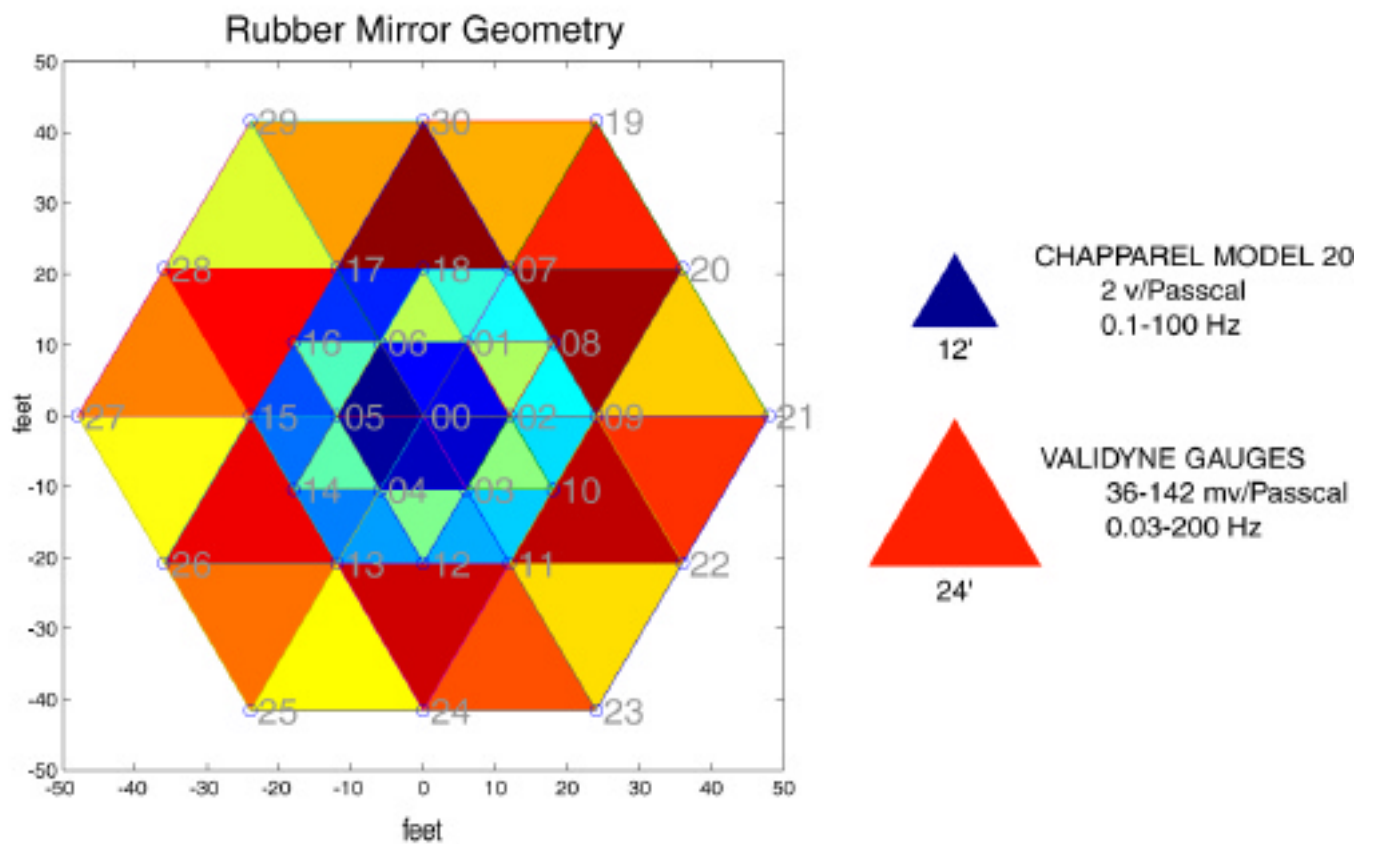
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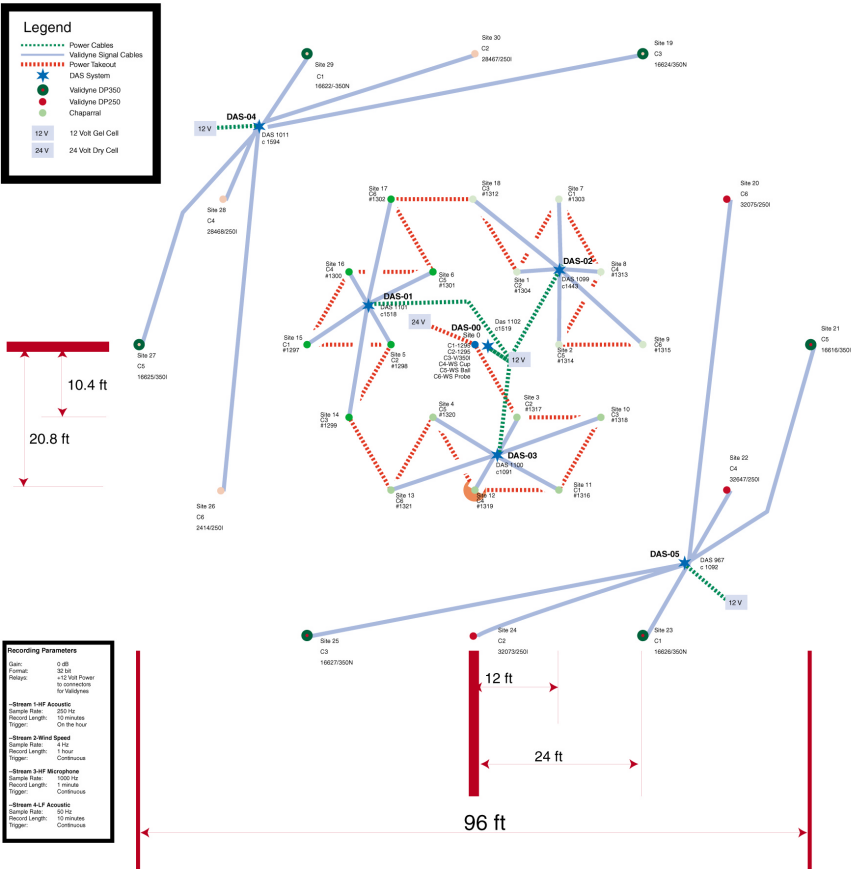
- \* **Huddle test for acoustic sensors**
  - 20 Chapparel Model 2
  - 13 Validyne
- \* **Test of Data Loggers**
  - includes remote data access
- \* **Quantify noise at m's sensor spacing**
- \* **Quantify signal at m's sensor spacing**
- \* **Compare multiple point measures to noise reducing arrays**



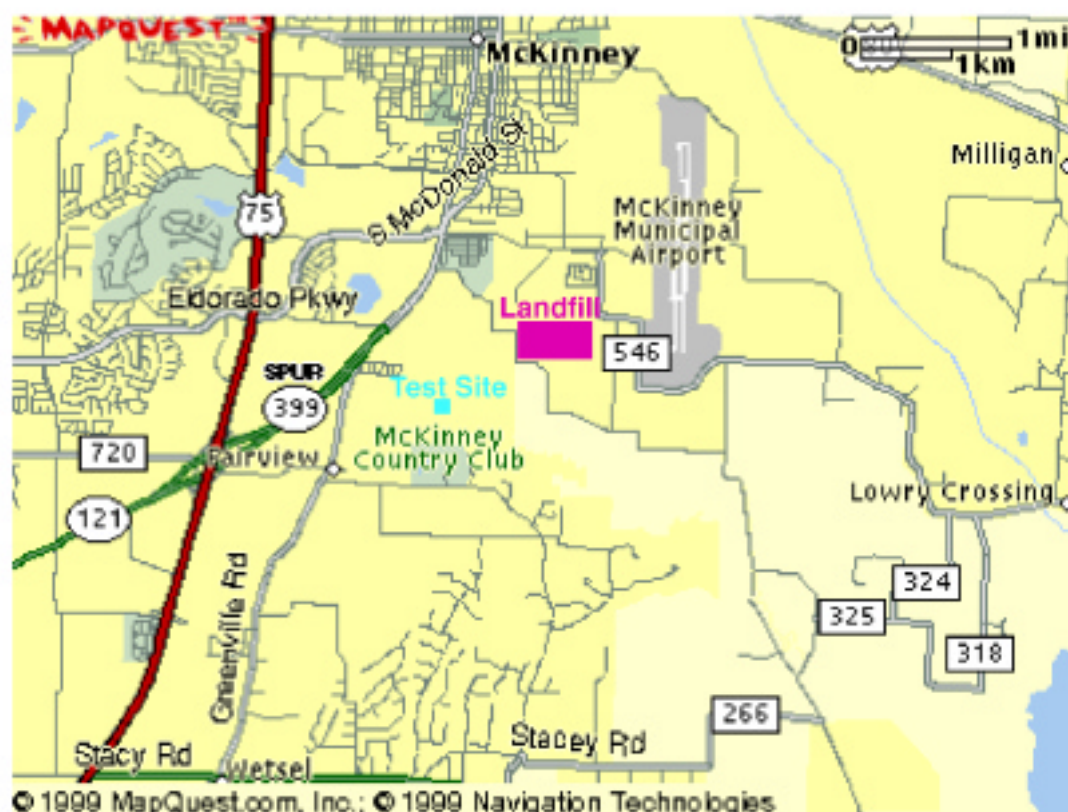
## EXPERIMENTAL DESIGN



# EXPERIMENTAL DESIGN - details



## EXPERIMENT LOCATION





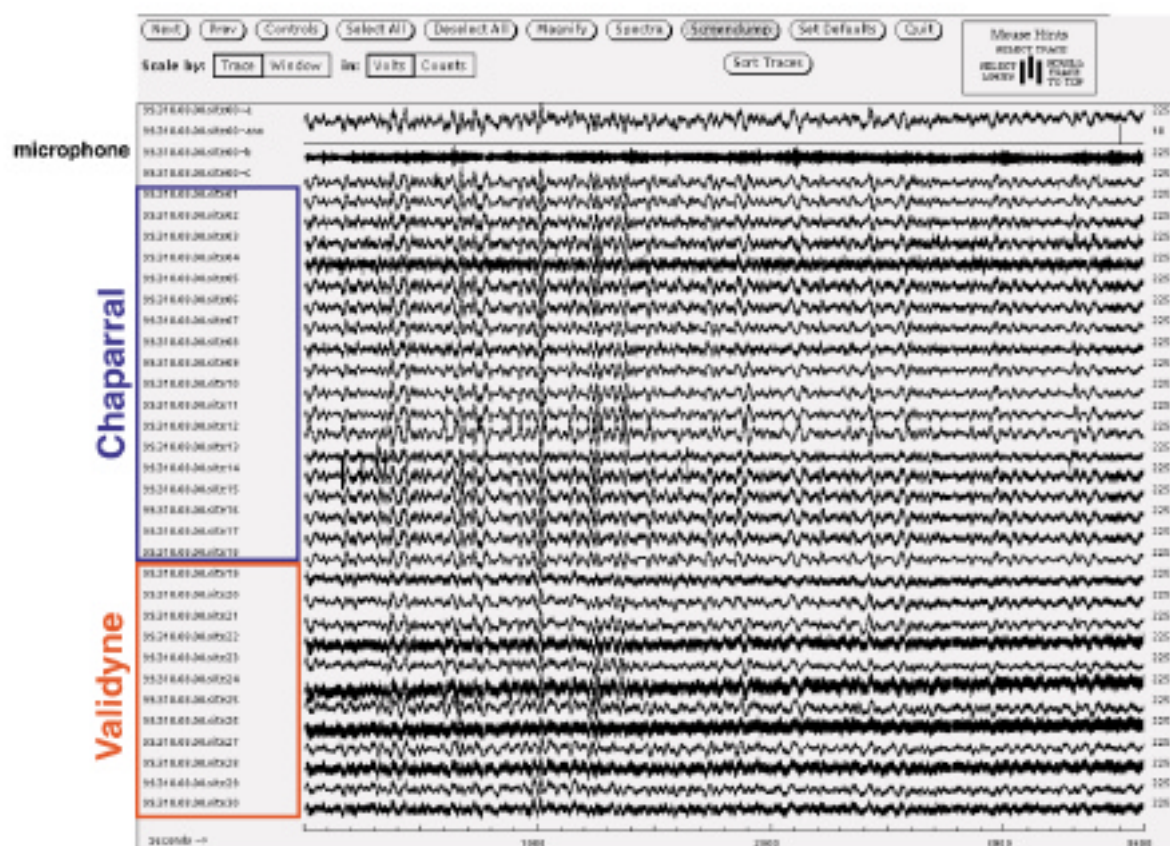
## EXPERIMENT SITE

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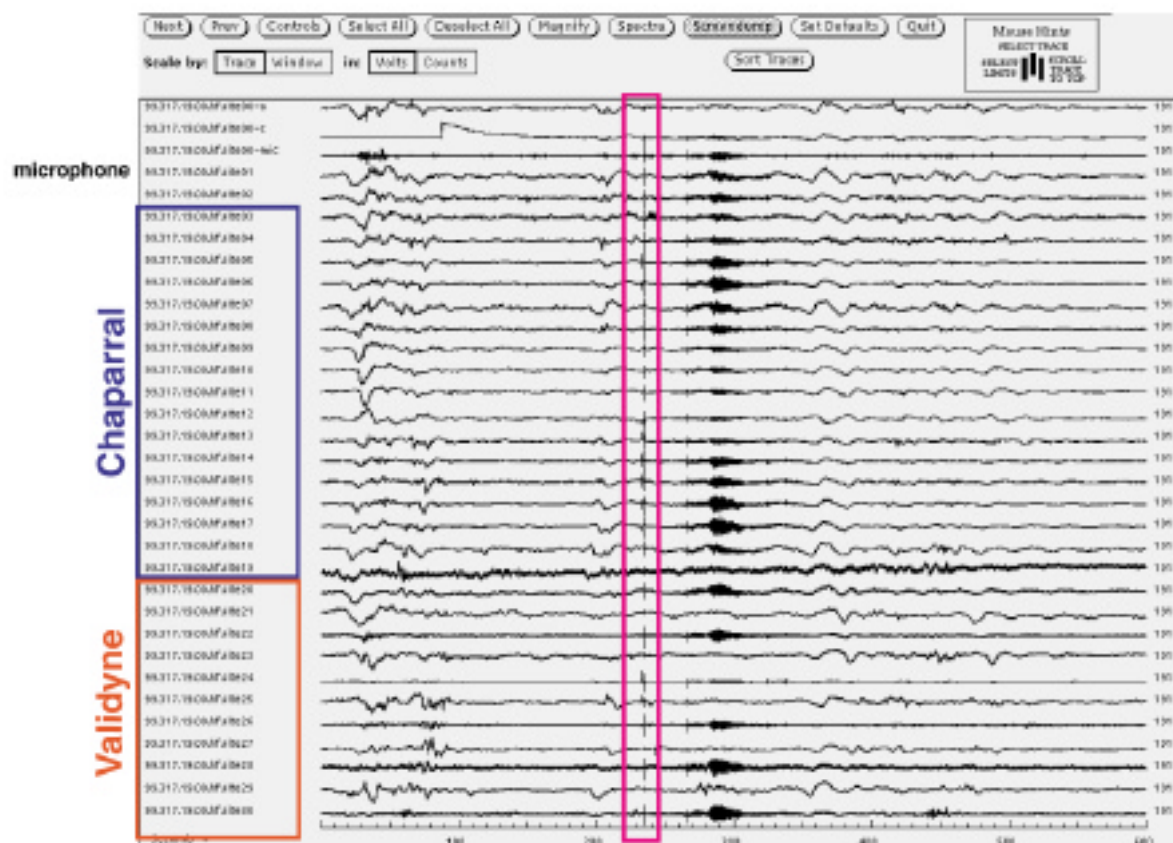




## DATA - Noise

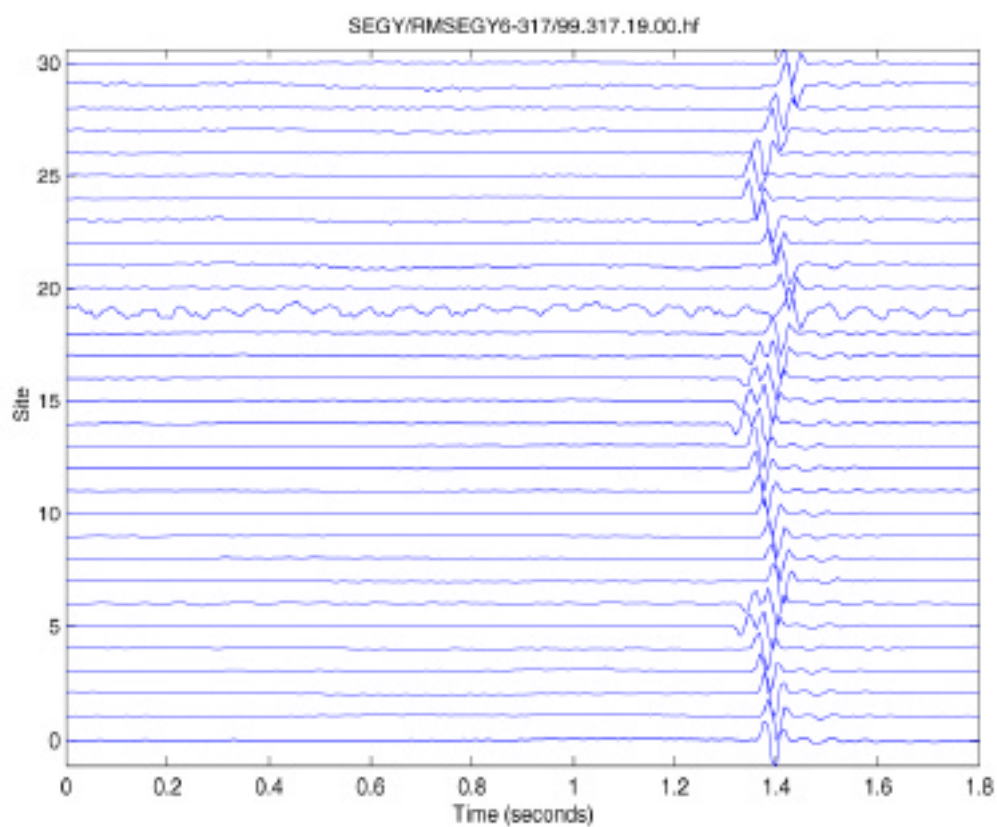


## DATA - Signal

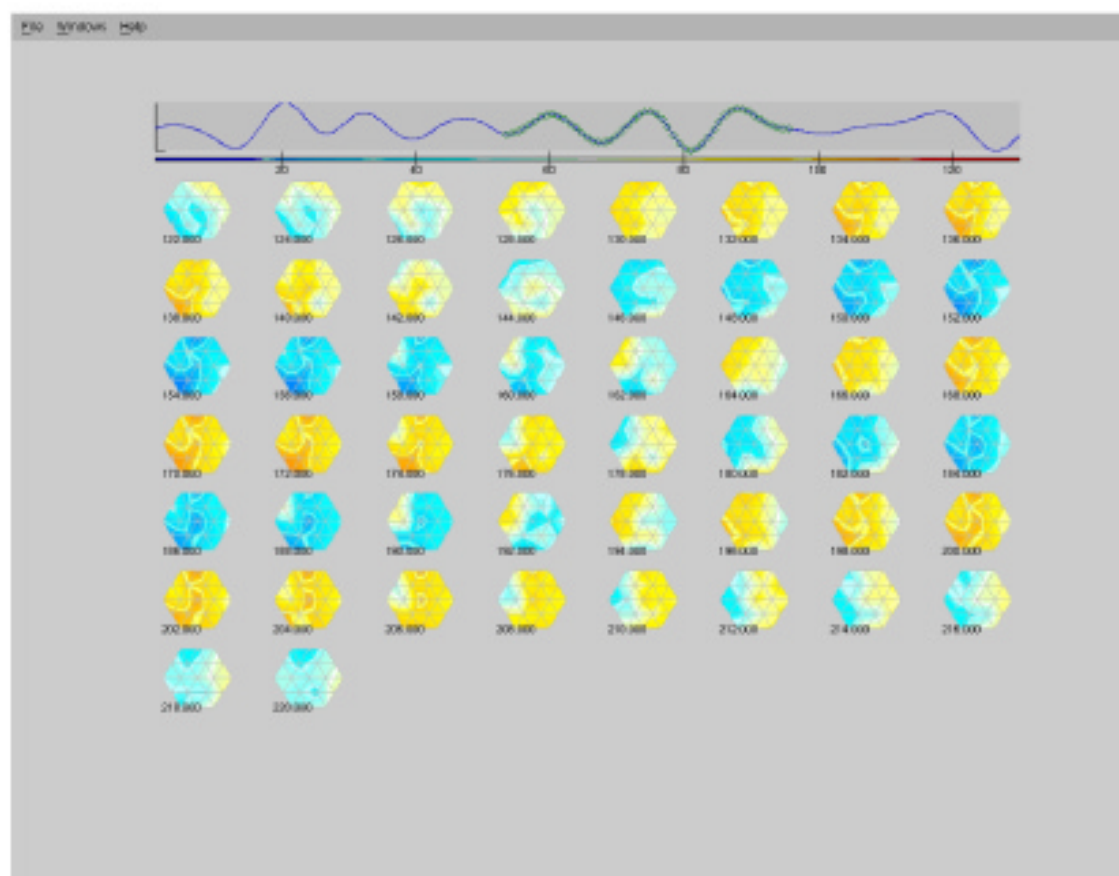




## ACOUSTIC SIGNALS ACROSS ARRAY



## SIGNAL MOVIE - Noise



# SIGNAL MOVIE - Signal

