SPATIAL VARIABILITY OF NOISE AND SIGNALS FROM POINT ACOUSTIC MEASUREMENTS

* motivation and goals

* experimental design

* data

* preliminary results
EXPERIMENTAL GOALS

* 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

Rubber Mirror Geometry

CHAPPAREL MODEL 20
2 w/Passcal
0.1-100 Hz

12'

VALIDYNE GAUGES
36-142 mw/Passcal
0.03-200 Hz

24'
EXPERIMENT LOCATION
DATA - Noise
ACOUSTIC SIGNALS ACROSS ARRAY
SIGNAL MOVIE - Noise