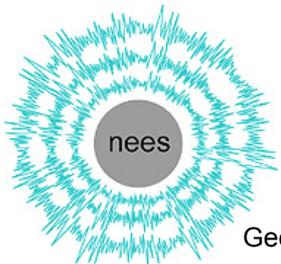


# NEES @ UCSB-BYU

## SFSI STRUCTURE INSTRUMENTATION DETAILS

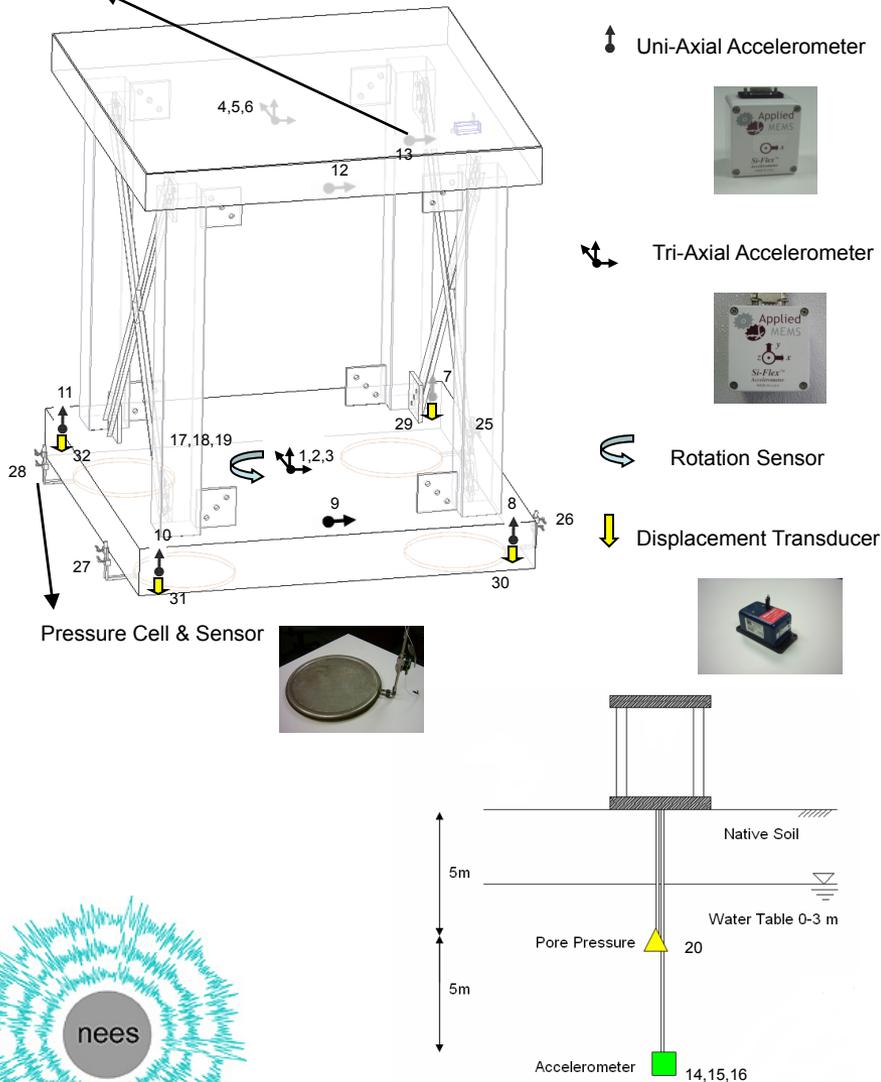


# SENSOR INFORMATION

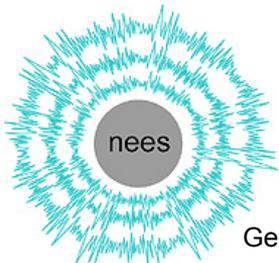
NEES@BYU

SFSI Test Structure

Attached to the shaker



Channel No.	Type of Instrument	Location
1	Tri-axial Accel. (x)	Bottom Slab
2	Tri-axial Accel. (y)	Bottom Slab
3	Tri-axial Accel. (z)	Bottom Slab
4	Tri-axial Accel. (x)	Top Slab
5	Tri-axial Accel. (y)	Top Slab
6	Tri-axial Accel. (z)	Top Slab
7	Uni-axial Accel.	Bottom Slab
8	Uni-axial Accel.	Bottom Slab
9	Uni-axial Accel.	Bottom Slab
10	Uni-axial Accel.	Bottom Slab
11	Uni-axial Accel.	Bottom Slab
12	Uni-axial Accel.	Top Slab
13	Uni-axial Accel.	Shaker
14	Tri-axial Downhole Accel. (x)	Under the Soil
15	Tri-axial Downhole Accel. (y)	Under the Soil
16	Tri-axial Downhole Accel. (z)	Under the Soil
17	Rotation Sensor (x-x)	Bottom Slab
18	Rotation Sensor (y-y)	Bottom Slab
19	Rotation Sensor (z-z)	Bottom Slab
20	Pore Pressure	Under the Soil
21	Spare	-
22	Spare	-
23	Spare	-
24	Spare	-
25	Soil Pressure Sensor	Bottom Slab
26	Soil Pressure Sensor	Bottom Slab
27	Soil Pressure Sensor	Bottom Slab
28	Soil Pressure Sensor	Bottom Slab
29	Displacement Transducer	Bottom Slab
30	Displacement Transducer	Bottom Slab
31	Displacement Transducer	Bottom Slab
32	Displacement Transducer	Bottom Slab

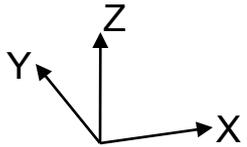


# SENSOR INFORMATION

NEES@BYU

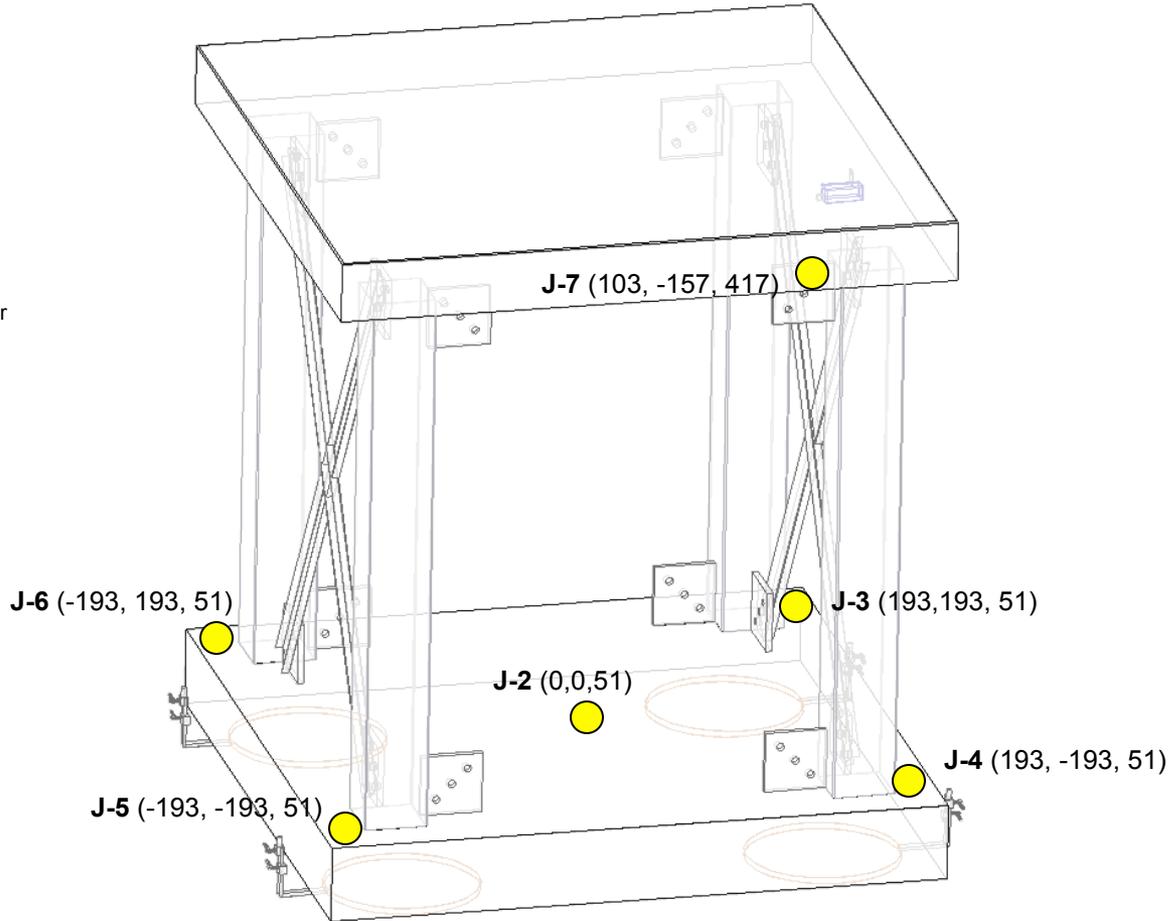
SFSI Test Structure

## Junction Box Locations

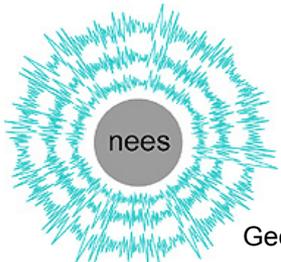


The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.



J-1 (130, -328, 65)

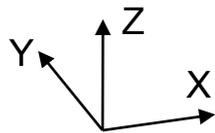
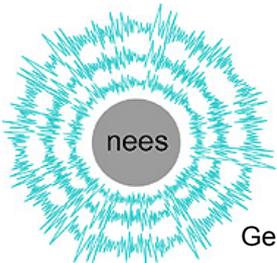
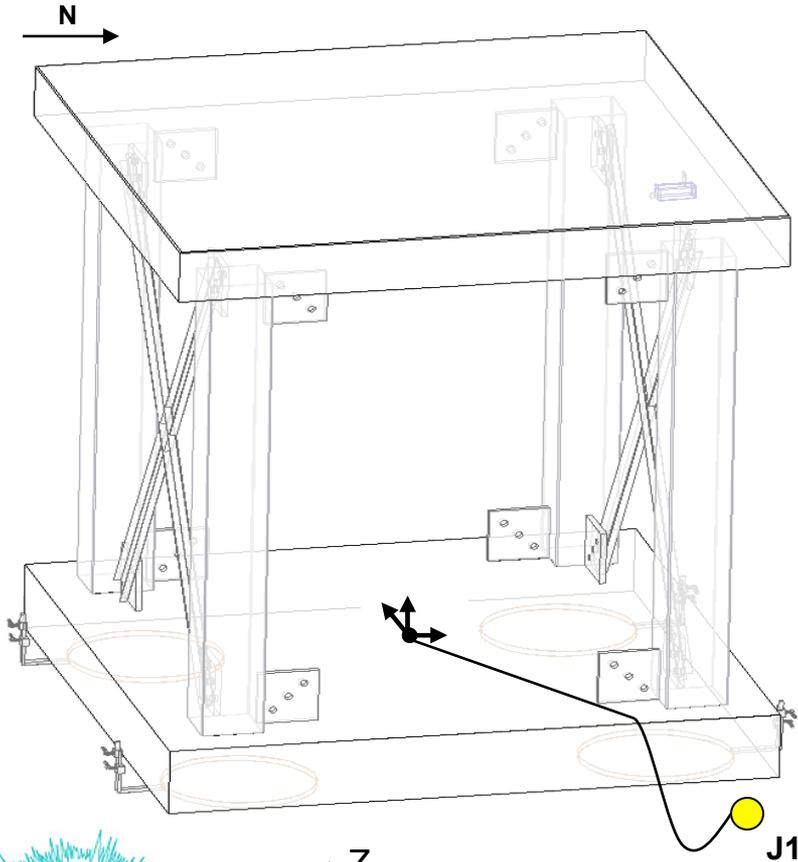


# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

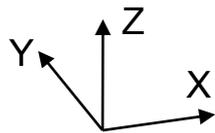
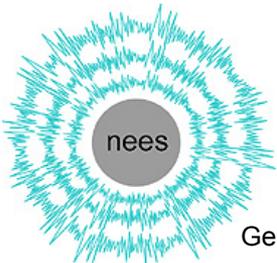
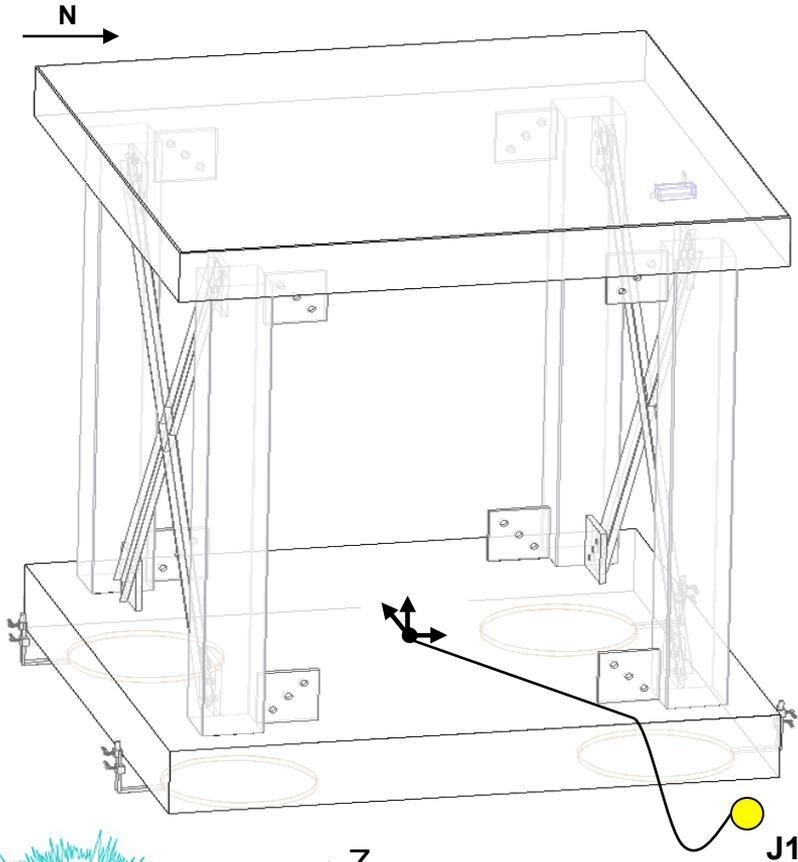
<b>Channel:</b>	1
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Tri-axial, SF 3000L
<b>Sensor Serial Number:</b>	0254
<b>Sensitivity:</b>	1.218 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Top of bottom slab (8 cm North of the center)
<b>Coordinates:</b>	(8,0,51)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	Channel X of Tri-axial Accelerometer.

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

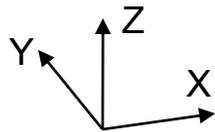
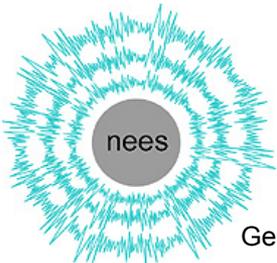
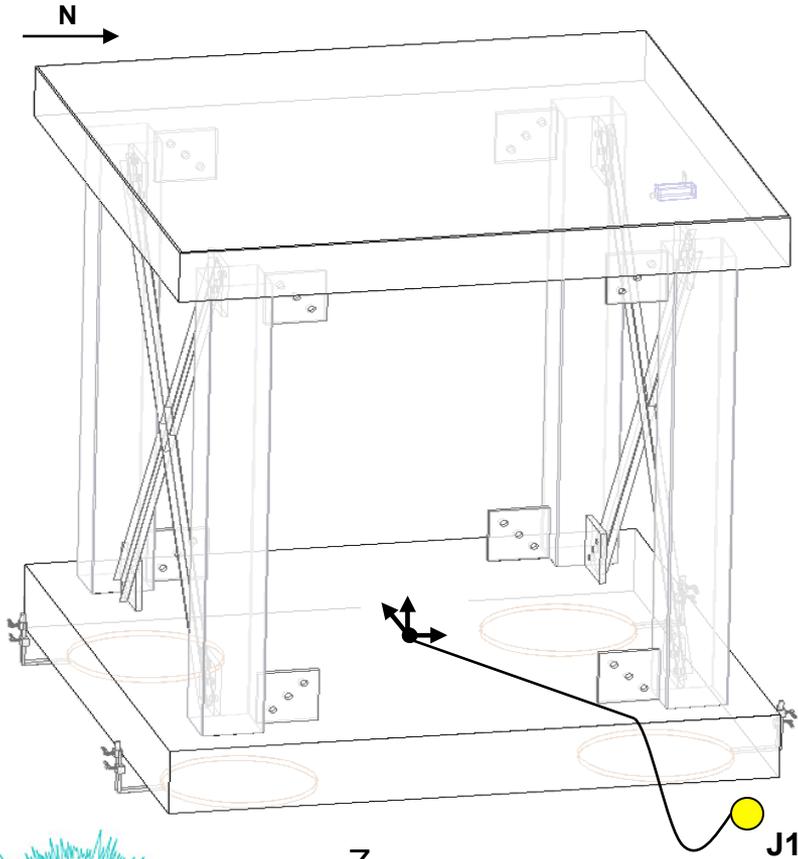
<b>Channel:</b>	2
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Tri-axial, SF 3000L
<b>Sensor Serial Number:</b>	0254
<b>Sensitivity:</b>	1.224 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Top of bottom slab (8 cm North of the center)
<b>Coordinates:</b>	(8,0,51)
<b>Orientation(+):</b>	+Y --- West
<b>Comments:</b>	Channel Y of Tri-axial Accelerometer.

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

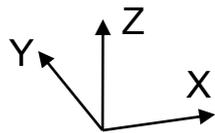
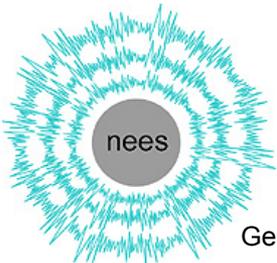
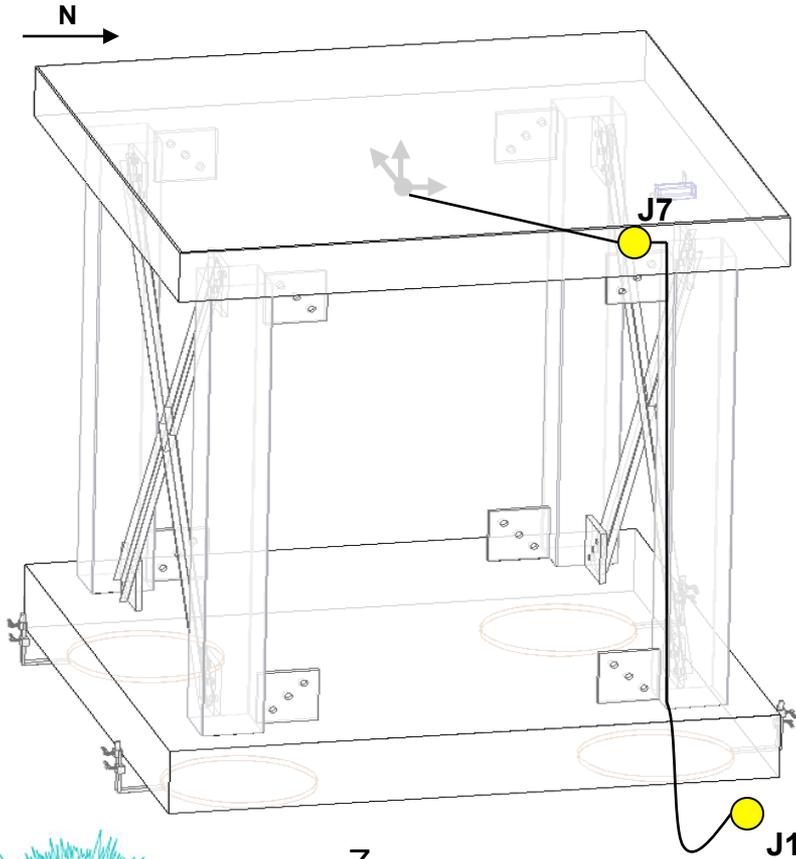
<b>Channel:</b>	3
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Tri-axial, SF 3000L
<b>Sensor Serial Number:</b>	0254
<b>Sensitivity:</b>	1.218 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Top of bottom slab (8 cm North of the center)
<b>Coordinates:</b>	(8,0,51)
<b>Orientation(+):</b>	+Z --- Up
<b>Comments:</b>	Channel Z of Tri-axial Accelerometer.

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

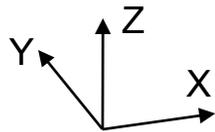
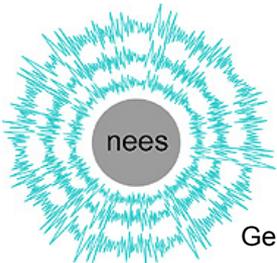
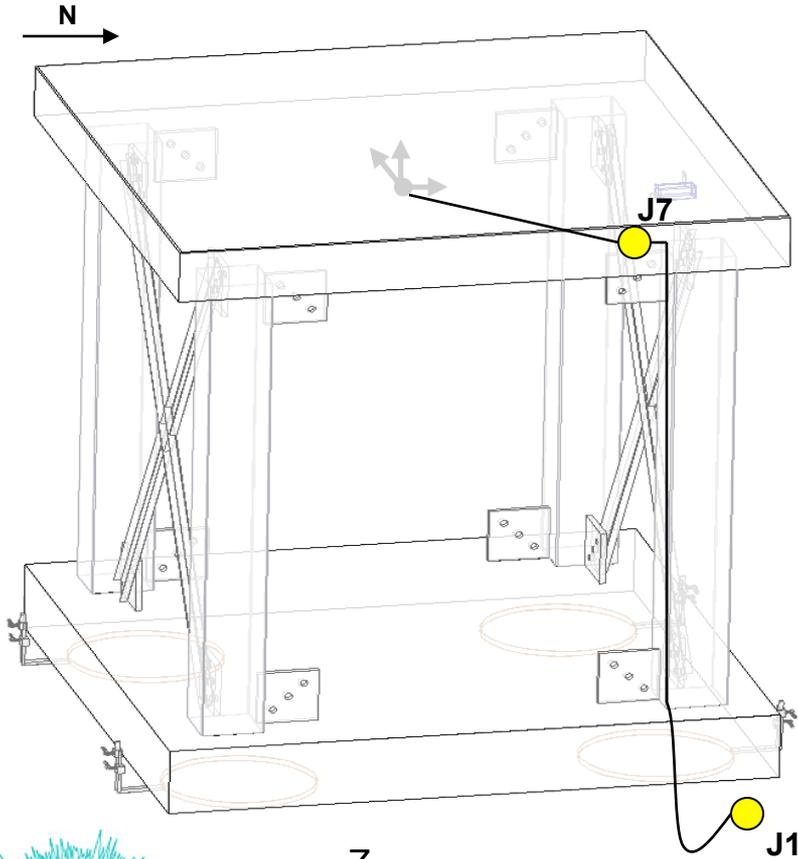
<b>Channel:</b>	4
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Tri-axial, SF 3000L
<b>Sensor Serial Number:</b>	0255
<b>Sensitivity:</b>	1.2 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Underneath the top slab (in the center)
<b>Coordinates:</b>	(0,0,417)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	Channel X of Tri-axial Accelerometer.

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

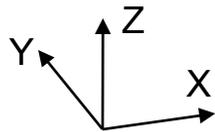
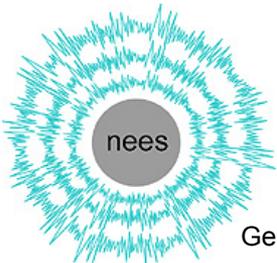
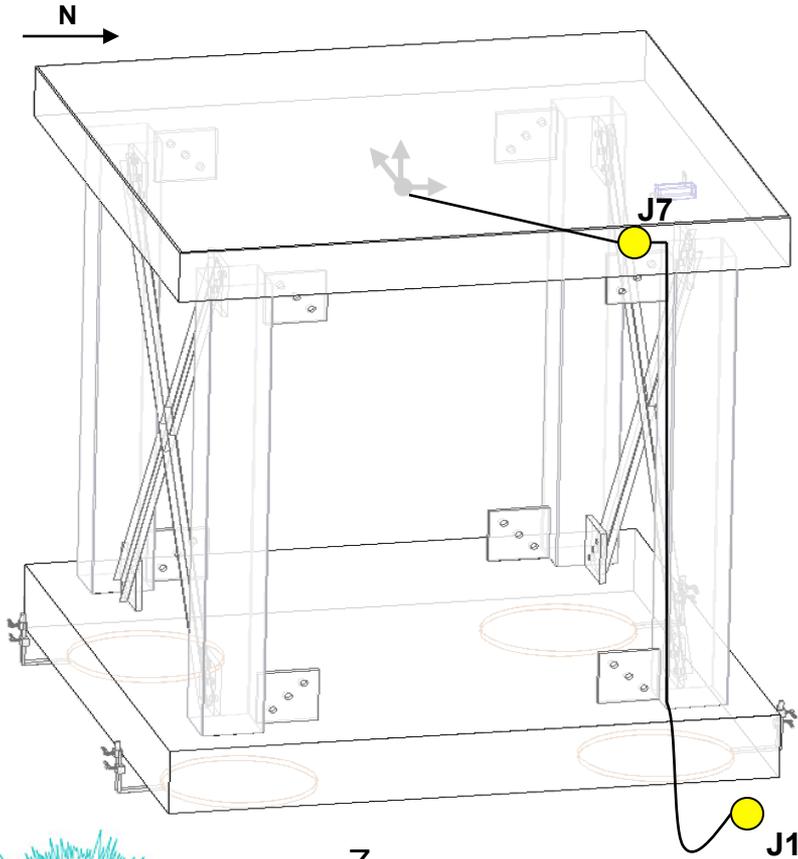
<b>Channel:</b>	5
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Tri-axial, SF 3000L
<b>Sensor Serial Number:</b>	0255
<b>Sensitivity:</b>	1.254 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Underneath the top slab (in the center)
<b>Coordinates:</b>	(0,0,417)
<b>Orientation(+):</b>	+Y --- East
<b>Comments:</b>	Channel Y of Tri-axial Accelerometer.

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

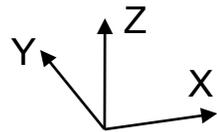
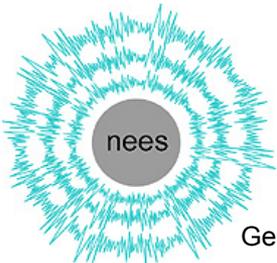
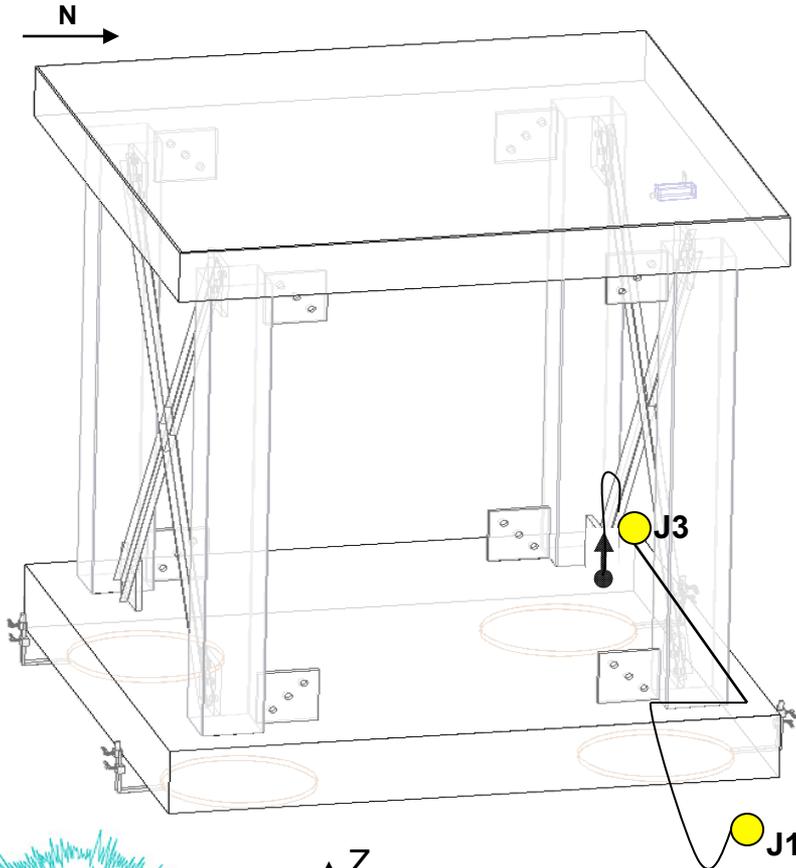
<b>Channel:</b>	6
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Tri-axial, SF 3000L
<b>Sensor Serial Number:</b>	0255
<b>Sensitivity:</b>	1.178 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Underneath the top slab (in the center)
<b>Coordinates:</b>	(0,0,417)
<b>Orientation(+):</b>	+Z --- Down
<b>Comments:</b>	Channel Z of Tri-axial Accelerometer.

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

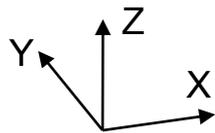
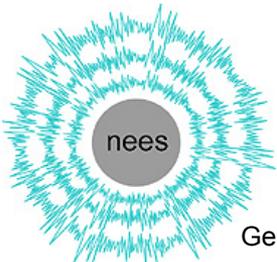
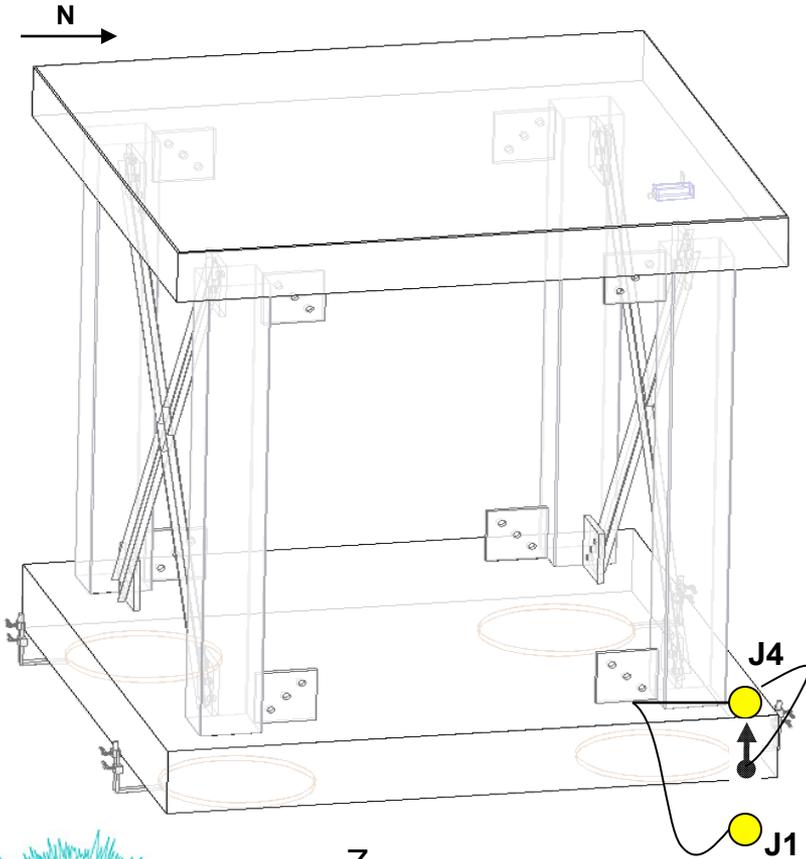
<b>Channel:</b>	7
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0317
<b>Sensitivity:</b>	1.218 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	North-West corner of bottom slab
<b>Coordinates:</b>	(187,203,41)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

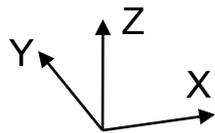
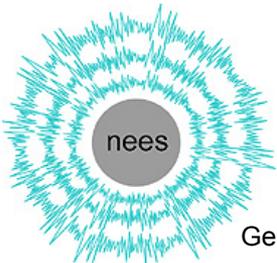
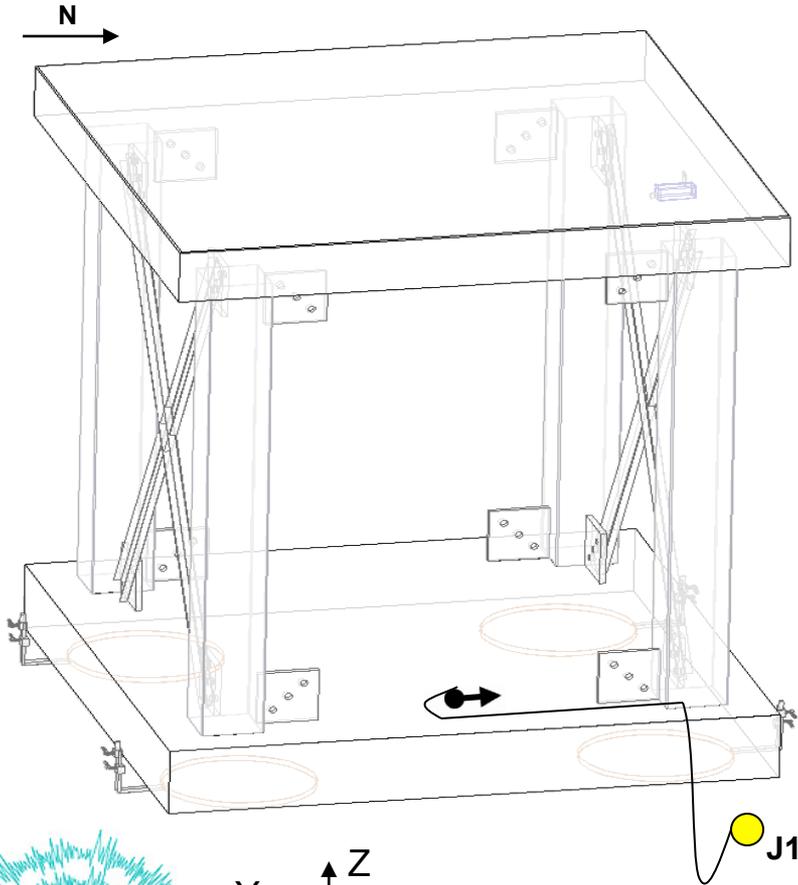
<b>Channel:</b>	8
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0316
<b>Sensitivity:</b>	1.228 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	North-East corner of bottom slab
<b>Coordinates:</b>	(187,-203,41)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

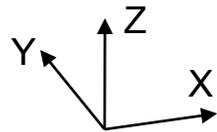
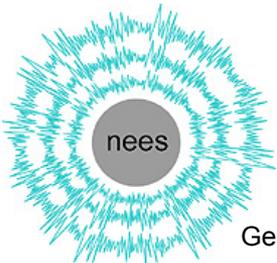
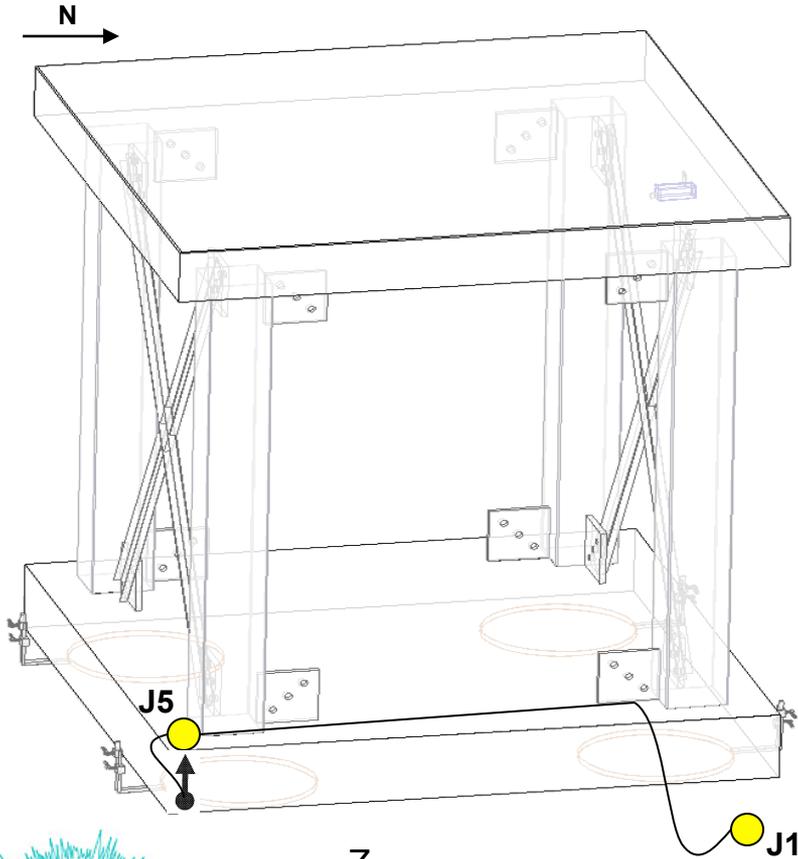
<b>Channel:</b>	9
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0314
<b>Sensitivity:</b>	1.198 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Top of bottom slab
<b>Coordinates:</b>	(0,-157,51)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	---

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

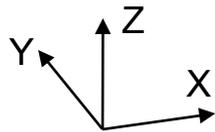
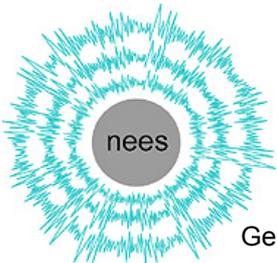
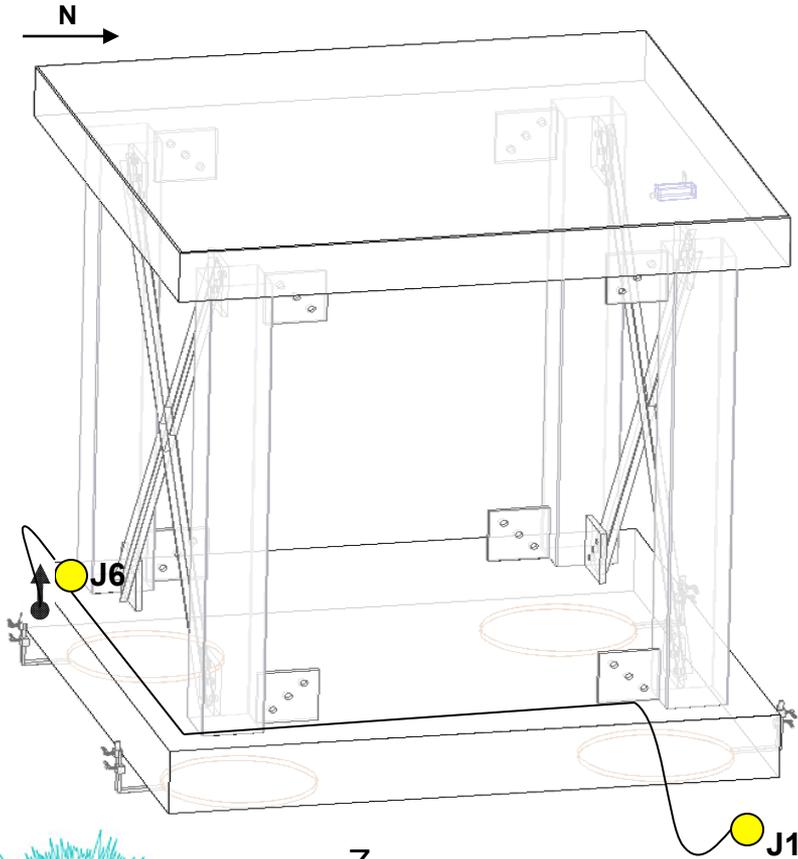
<b>Channel:</b>	10
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0312
<b>Sensitivity:</b>	1.218 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	South-East corner of bottom slab
<b>Coordinates:</b>	(-187,-203,41)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

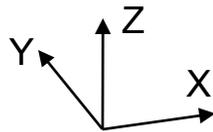
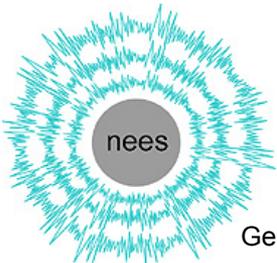
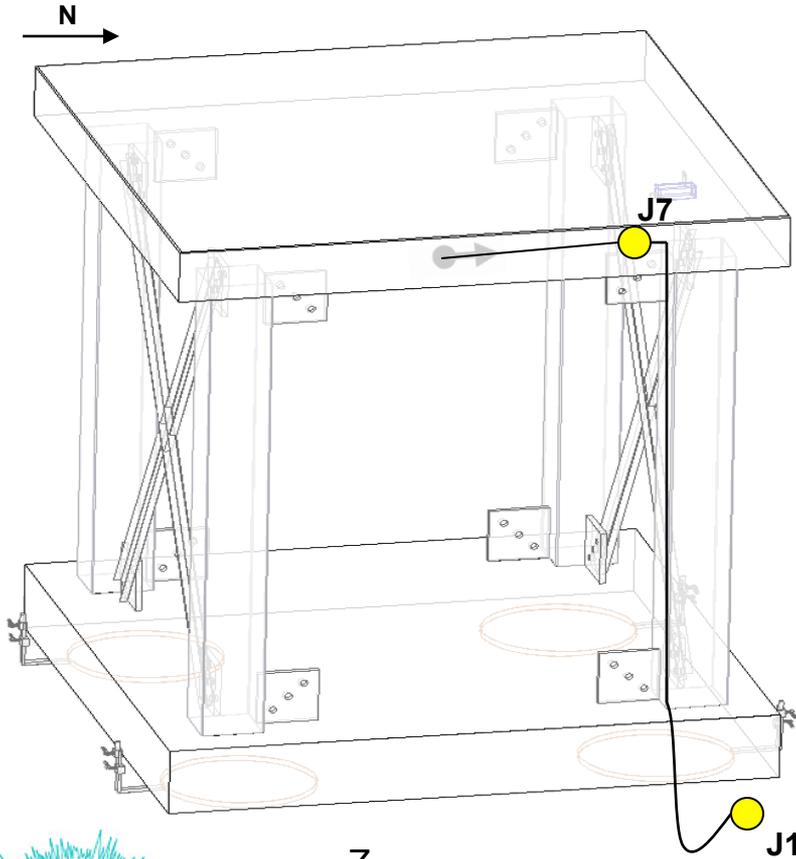
<b>Channel:</b>	11
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0318
<b>Sensitivity:</b>	1.201 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	South-West corner of bottom slab
<b>Coordinates:</b>	(-187,203,41)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

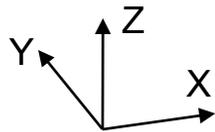
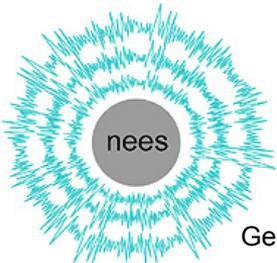
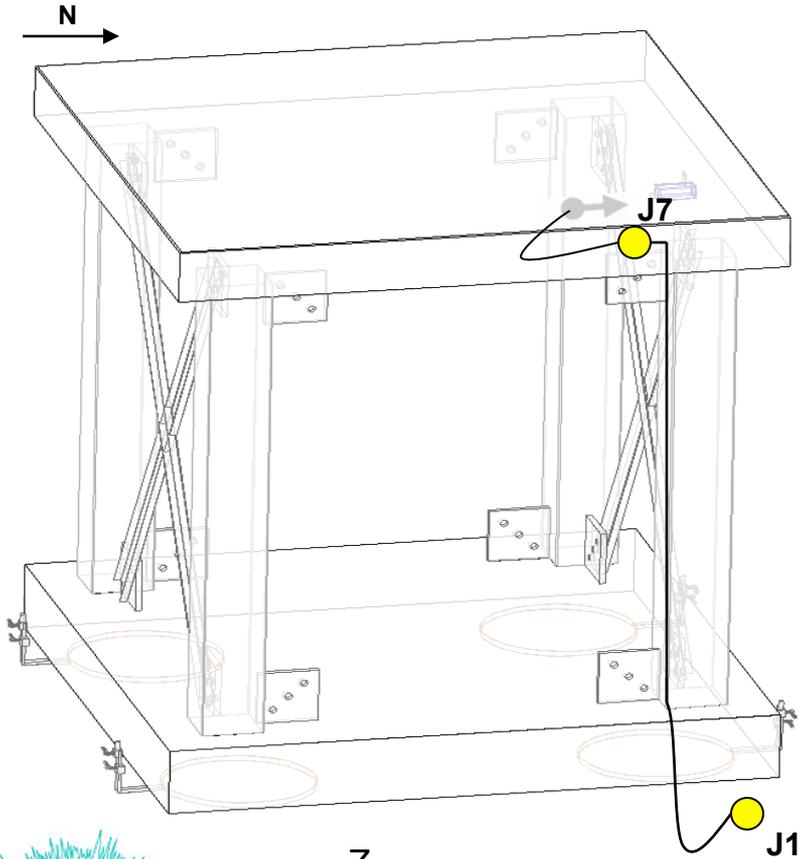
<b>Channel:</b>	12
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0320
<b>Sensitivity:</b>	1.226 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Underneath the top slab
<b>Coordinates:</b>	(0,-157,417)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

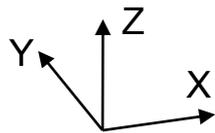
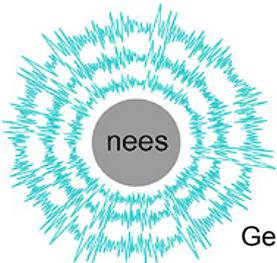
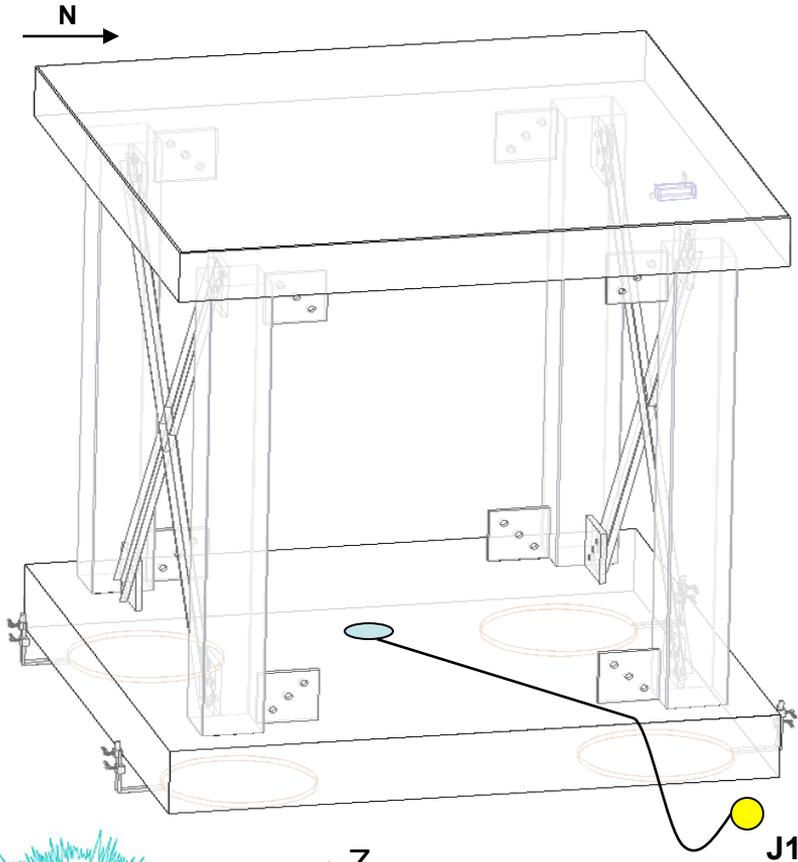
<b>Channel:</b>	13
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	Uni-axial, SF 3000L
<b>Sensor Serial Number:</b>	0321
<b>Sensitivity:</b>	1.187 volts/g
<b>Calibration Date:</b>	---
<b>Location Description:</b>	Attached to the Shaker
<b>Coordinates:</b>	(68,-113,407)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	---

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

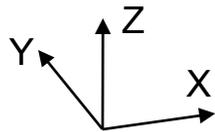
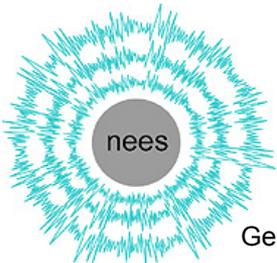
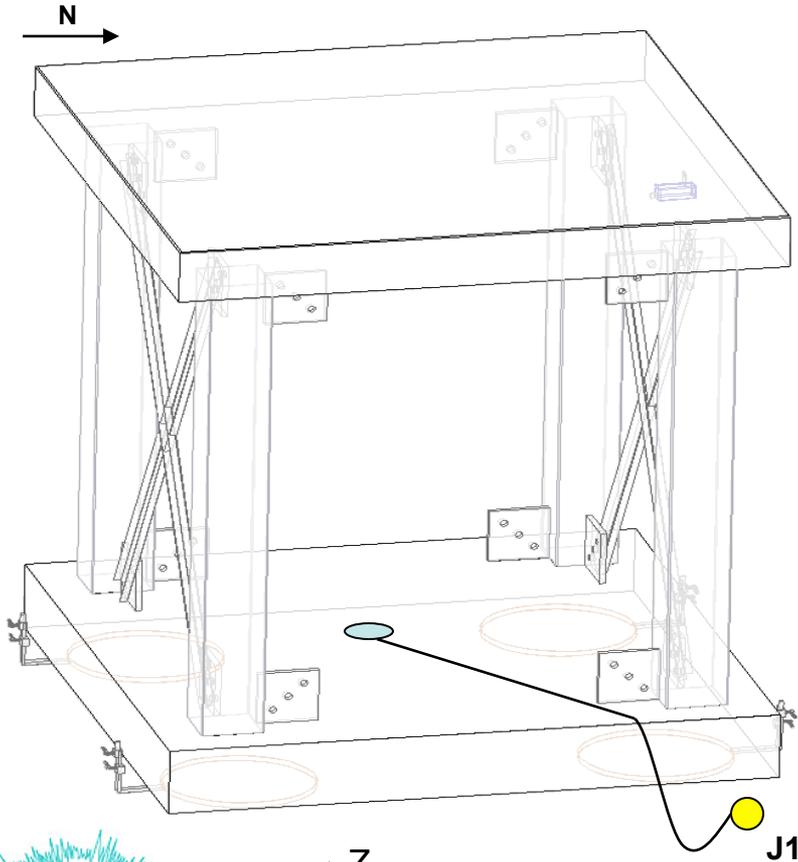
<b>Channel:</b>	14
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	D110-DH
<b>Sensor Serial Number:</b>	013
<b>Sensitivity:</b>	1.204 volts/g
<b>Calibration Date:</b>	5/10/04
<b>Location Description:</b>	10 m under the soil
<b>Coordinates:</b>	(-2.4,0,-1000)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	Channel X of Downhole Tri-axial Accelerometer

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

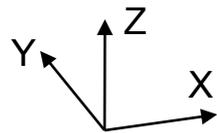
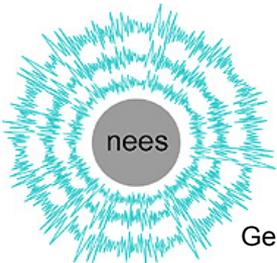
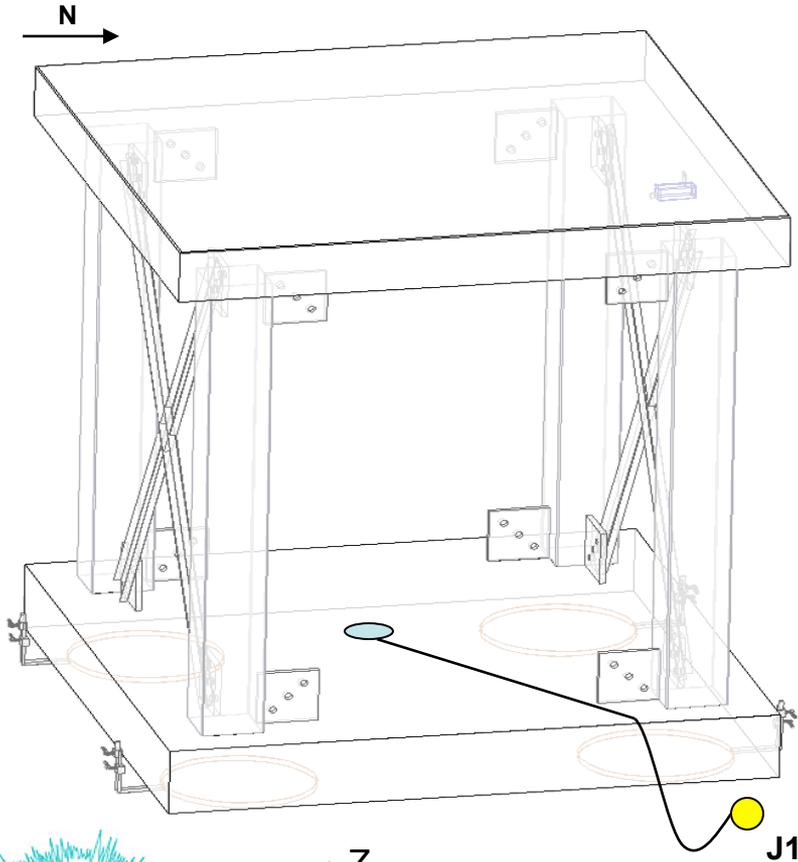
<b>Channel:</b>	15
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	D110-DH
<b>Sensor Serial Number:</b>	026
<b>Sensitivity:</b>	1.237 volts/g
<b>Calibration Date:</b>	5/10/04
<b>Location Description:</b>	10 m under the soil
<b>Coordinates:</b>	(-2.4,0,-1000)
<b>Orientation(+):</b>	+Y --- East
<b>Comments:</b>	Channel Y of Downhole Tri-axial Accelerometer

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

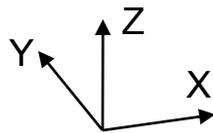
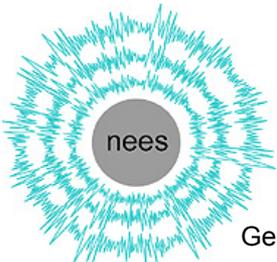
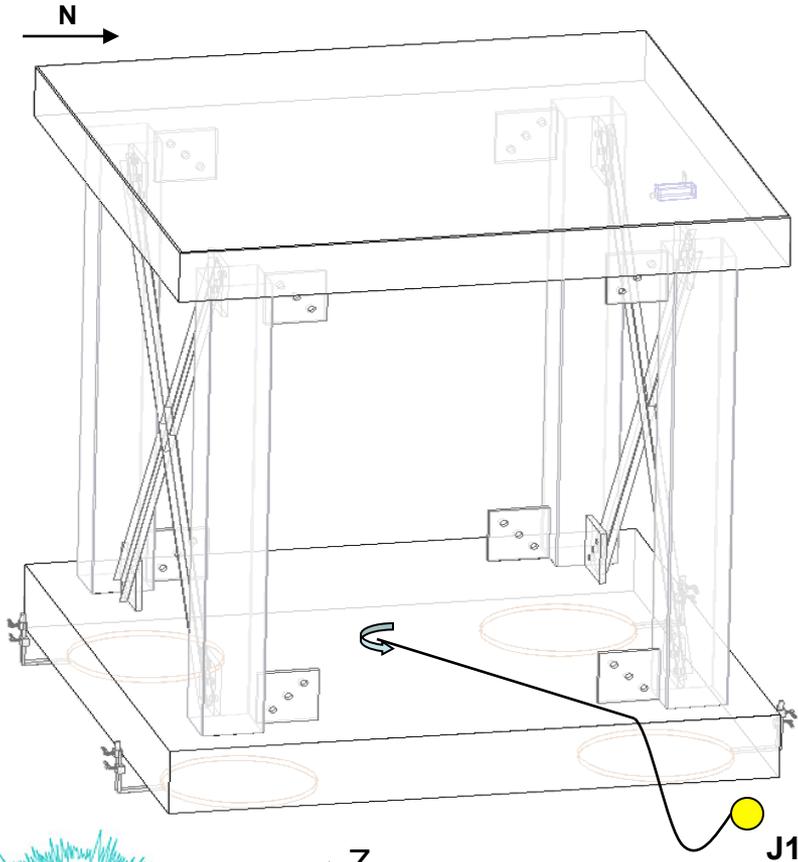
<b>Channel:</b>	16
<b>Measuring:</b>	Acceleration
<b>Sensor Model:</b>	D110-DH
<b>Sensor Serial Number:</b>	002
<b>Sensitivity:</b>	1.242 volts/g
<b>Calibration Date:</b>	5/10/04
<b>Location Description:</b>	10 m under the soil
<b>Coordinates:</b>	(-2.4,0,-1000)
<b>Orientation(+):</b>	+Z --- Up
<b>Comments:</b>	Channel Z of Downhole Tri-axial Accelerometer

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

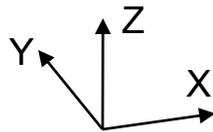
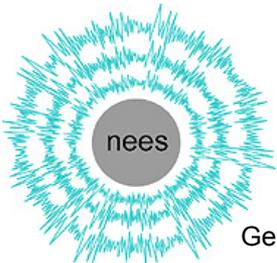
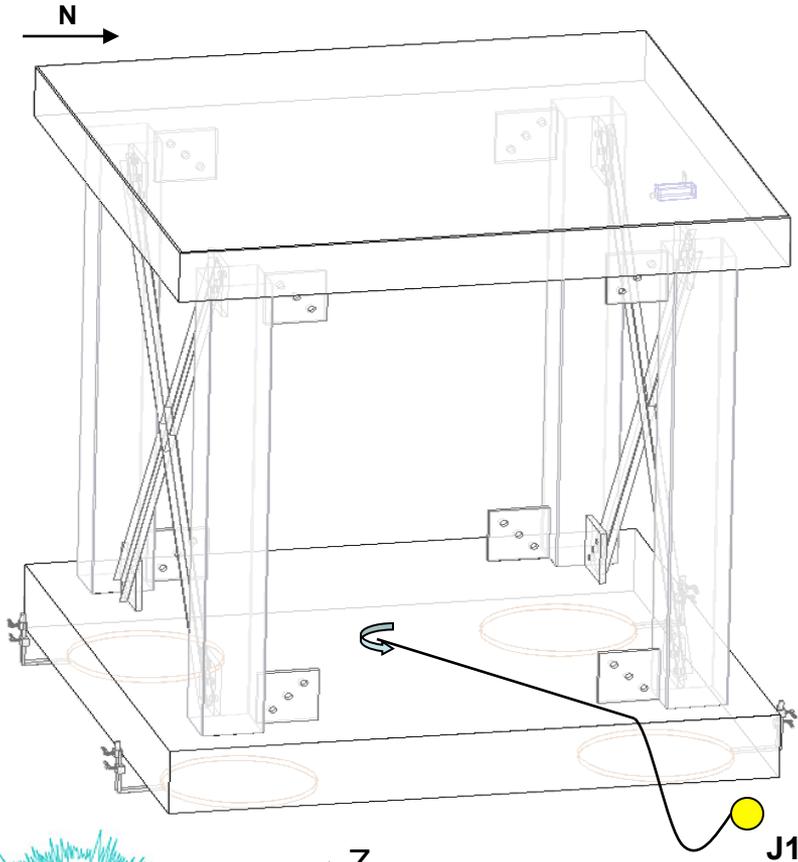
<b>Channel:</b>	17
<b>Measuring:</b>	Rotational Acceleration
<b>Sensor Model:</b>	ARS-09
<b>Sensor Serial Number:</b>	1098
<b>Sensitivity:</b>	981 (reading in volts)
<b>Calibration Date:</b>	10/12/2004
<b>Location Description:</b>	Top of bottom slab (10 cm South of the center)
<b>Coordinates:</b>	(-10,0,51)
<b>Orientation(+):</b>	+X --- North
<b>Comments:</b>	Channel X of Rotation Sensor. Sensor Sensitivity: 97.2 mV/Degree/Sec

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

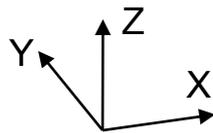
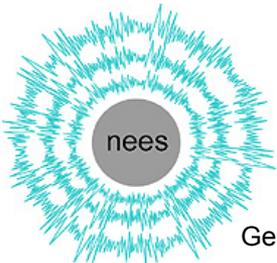
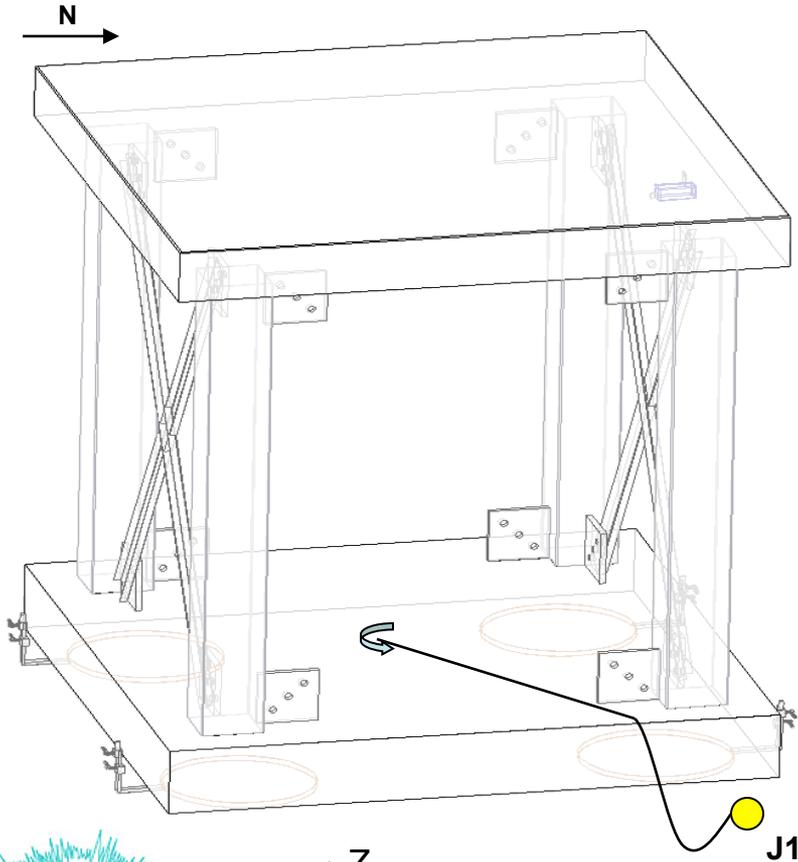
<b>Channel:</b>	18
<b>Measuring:</b>	Rotational Acceleration
<b>Sensor Model:</b>	ARS-09
<b>Sensor Serial Number:</b>	1040
<b>Sensitivity:</b>	981 (reading in volts)
<b>Calibration Date:</b>	10/12/2004
<b>Location Description:</b>	Top of bottom slab (10 cm South of the center)
<b>Coordinates:</b>	(-10,0,51)
<b>Orientation(+):</b>	+Y --- West
<b>Comments:</b>	Channel Y of Rotation Sensor. Sensor Sensitivity: 88.2 mV/Degree/Sec

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

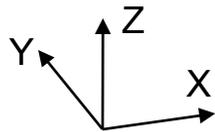
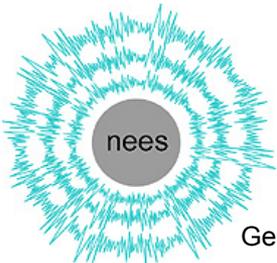
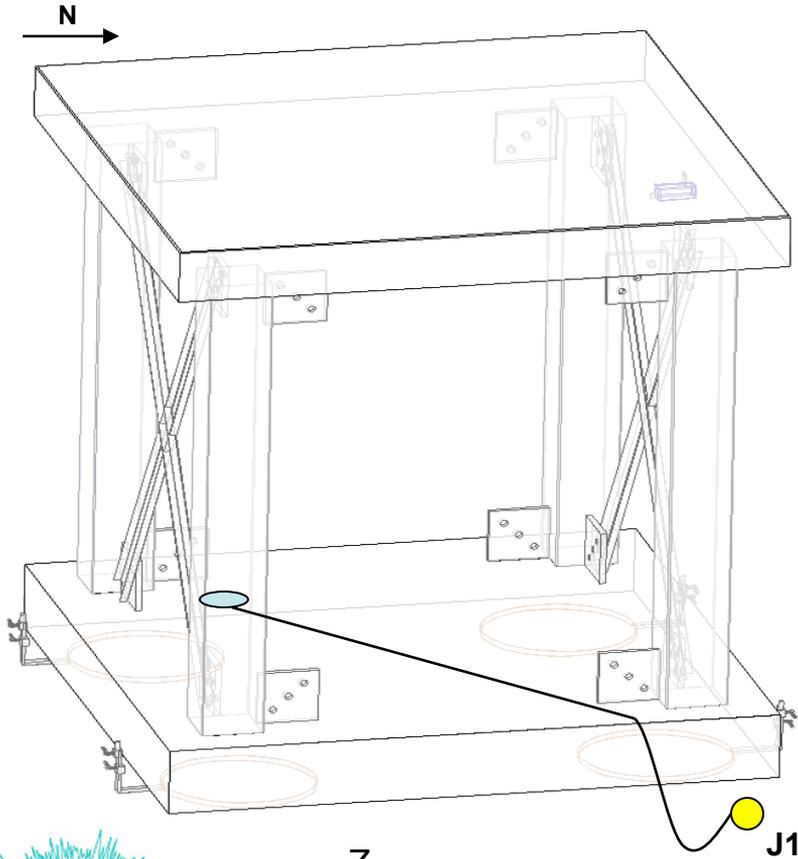
<b>Channel:</b>	19
<b>Measuring:</b>	Rotational Acceleration
<b>Sensor Model:</b>	ARS-09
<b>Sensor Serial Number:</b>	1064
<b>Sensitivity:</b>	981 (reading in volts)
<b>Calibration Date:</b>	10/12/2004
<b>Location Description:</b>	Top of bottom slab (10 cm South of the center)
<b>Coordinates:</b>	(-10,0,51)
<b>Orientation(+):</b>	+Z --- Up
<b>Comments:</b>	Channel Z of Rotation Sensor. Sensor Sensitivity: 88.9 mV/Degree/Sec

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

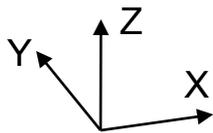
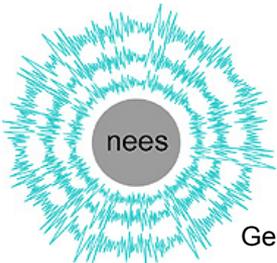
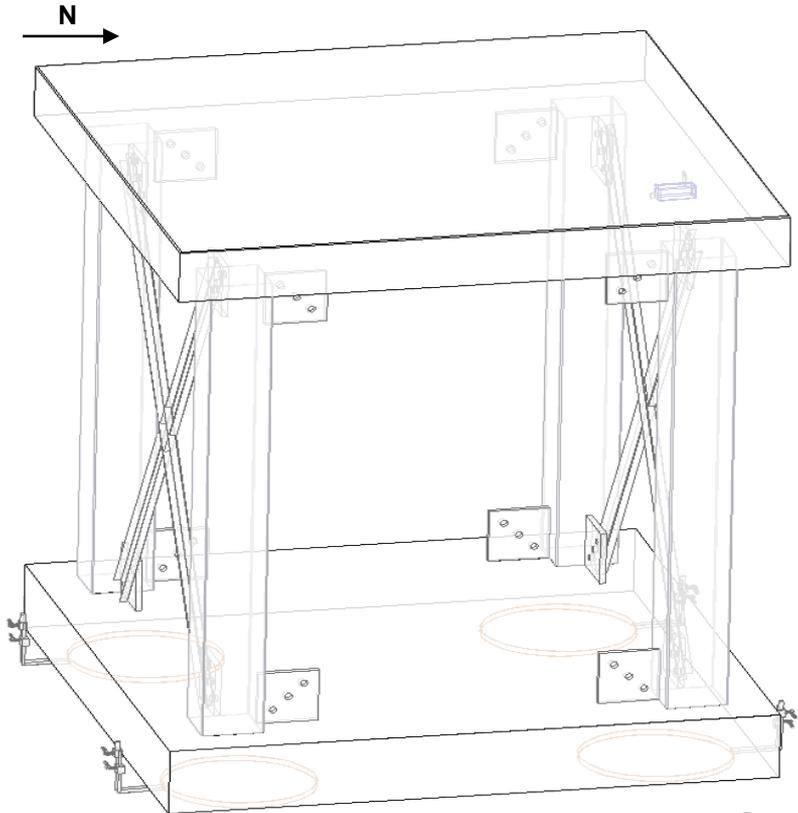
<b>Channel:</b>	20
<b>Measuring:</b>	Pore Pressure
<b>Sensor Model:</b>	
<b>Sensor Serial Number:</b>	
<b>Sensitivity:</b>	
<b>Calibration Date:</b>	
<b>Location Description:</b>	5 m under the soil
<b>Coordinates:</b>	(-43,88,-500)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	Not Installed

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

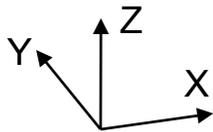
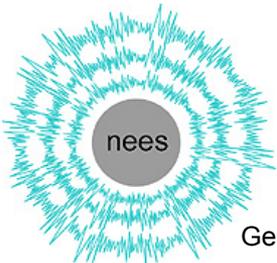
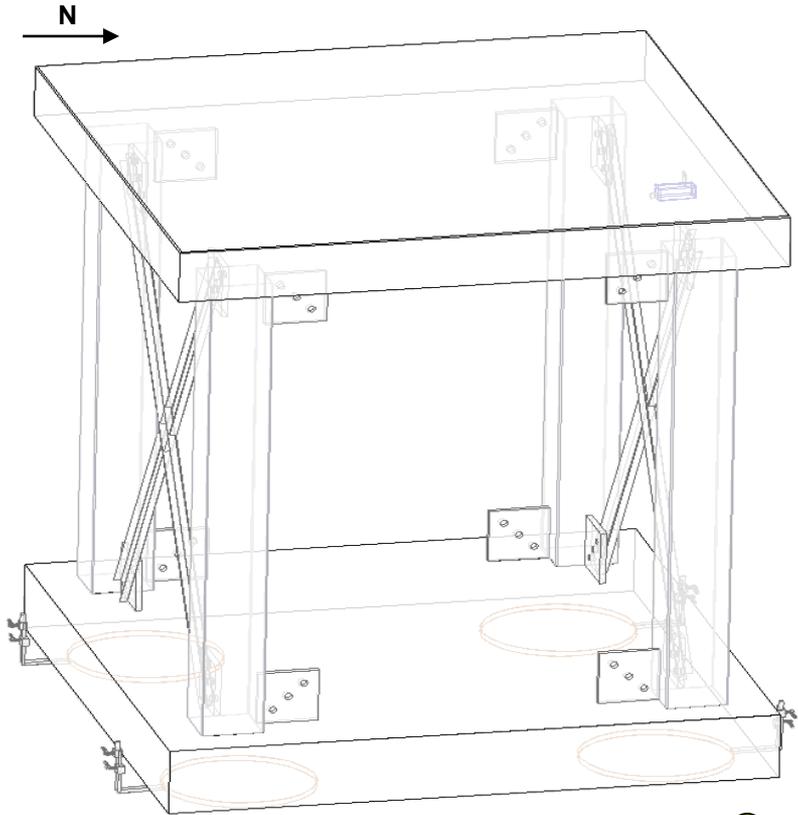
<b>Channel:</b>	21
<b>Measuring:</b>	Spare Channel
<b>Sensor Model:</b>	
<b>Sensor Serial Number:</b>	
<b>Sensitivity:</b>	
<b>Calibration Date:</b>	
<b>Location Description:</b>	
<b>Coordinates:</b>	
<b>Orientation(+):</b>	
<b>Comments:</b>	

# SENSOR INFORMATION

NEES@BYU

SFSI Test Structure

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

J1

## Sensor Details

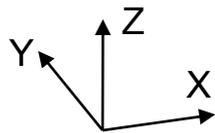
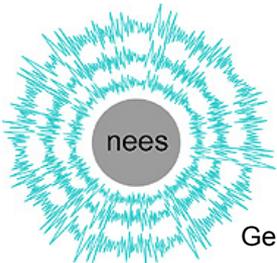
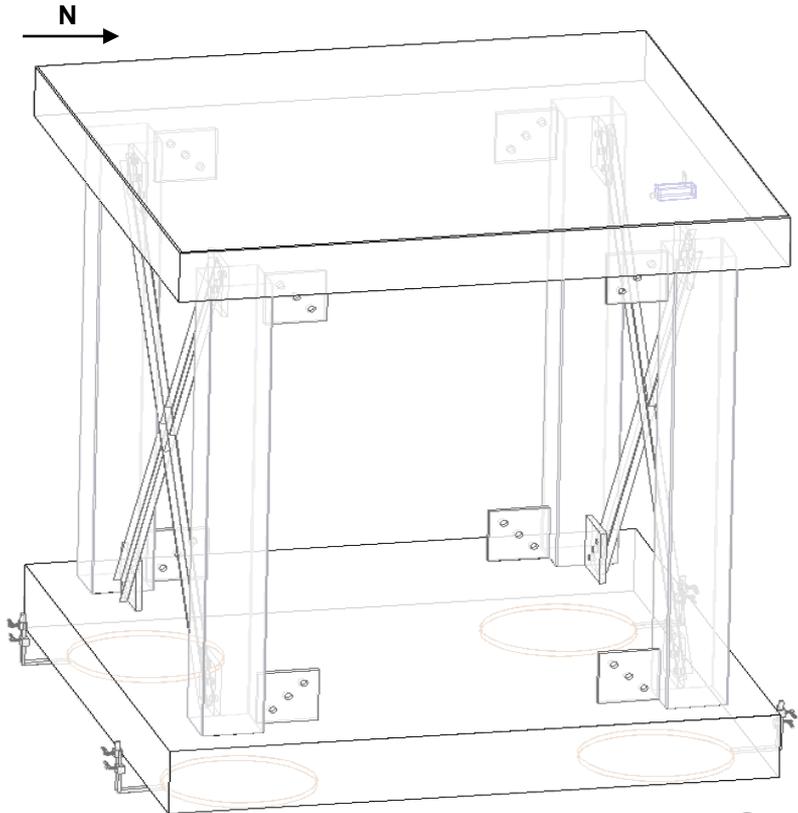
<b>Channel:</b>	22
<b>Measuring:</b>	Spare Channel
<b>Sensor Model:</b>	
<b>Sensor Serial Number:</b>	
<b>Sensitivity:</b>	
<b>Calibration Date:</b>	
<b>Location Description:</b>	
<b>Coordinates:</b>	
<b>Orientation(+):</b>	
<b>Comments:</b>	

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

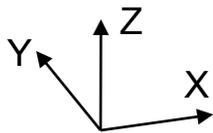
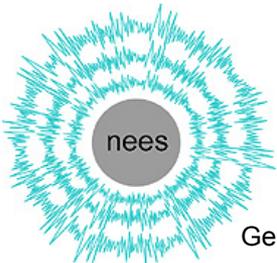
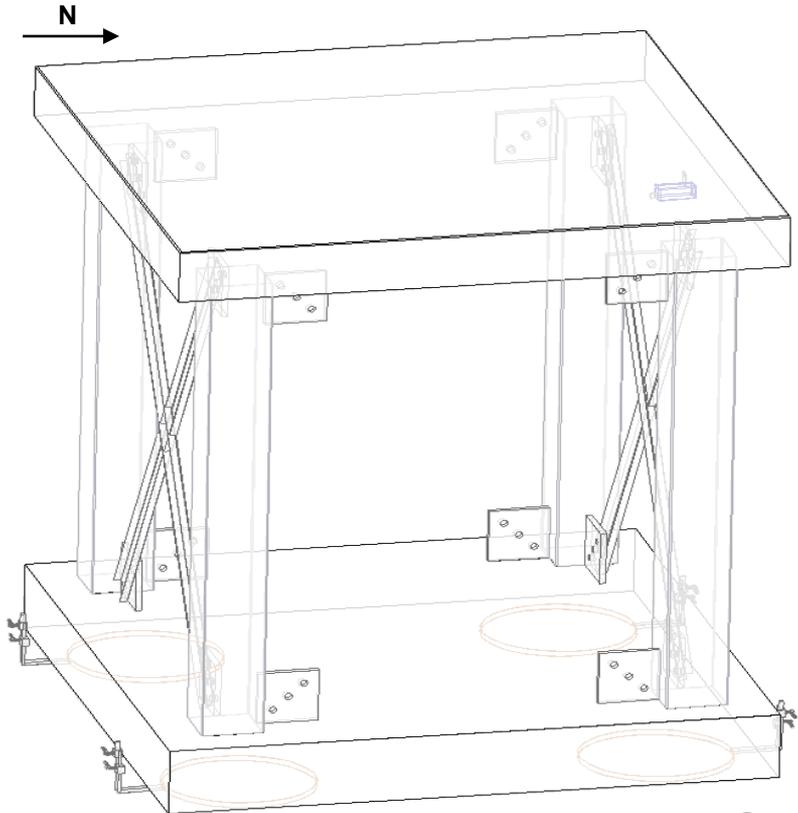
<b>Channel:</b>	23
<b>Measuring:</b>	Spare Channel
<b>Sensor Model:</b>	
<b>Sensor Serial Number:</b>	
<b>Sensitivity:</b>	
<b>Calibration Date:</b>	
<b>Location Description:</b>	
<b>Coordinates:</b>	
<b>Orientation(+):</b>	
<b>Comments:</b>	

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

● J1

## Sensor Details

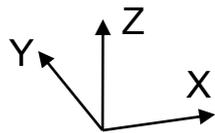
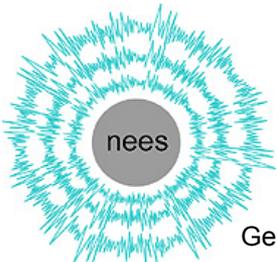
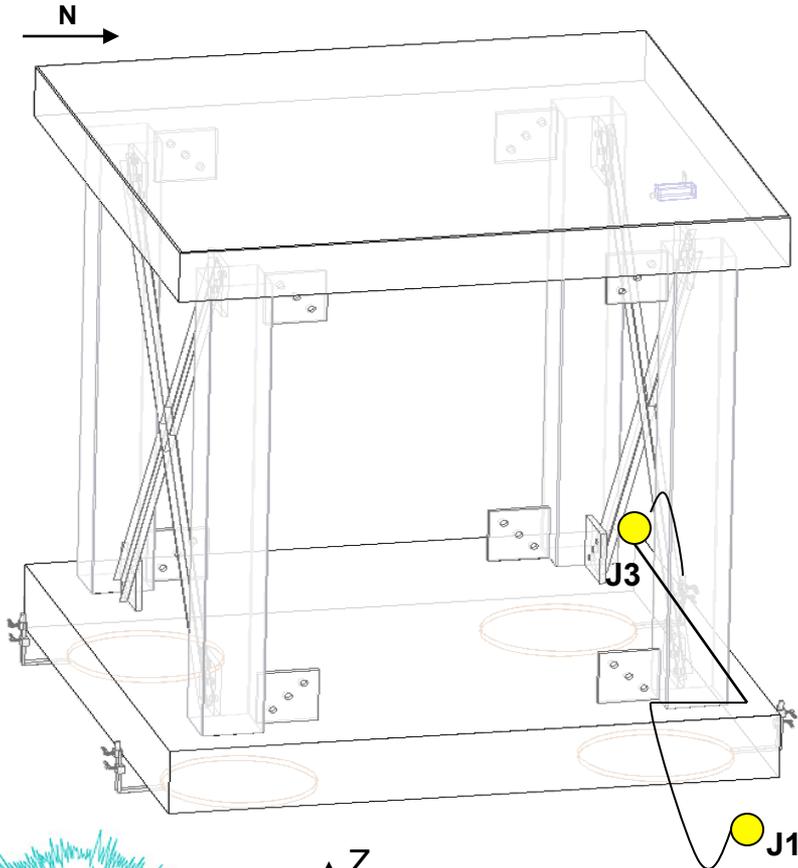
<b>Channel:</b>	24
<b>Measuring:</b>	Spare Channel
<b>Sensor Model:</b>	
<b>Sensor Serial Number:</b>	
<b>Sensitivity:</b>	
<b>Calibration Date:</b>	
<b>Location Description:</b>	
<b>Coordinates:</b>	
<b>Orientation(+):</b>	
<b>Comments:</b>	

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

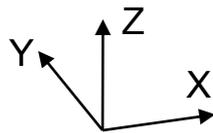
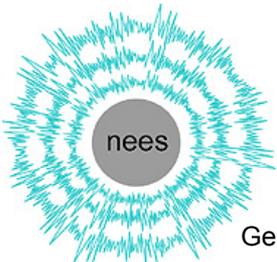
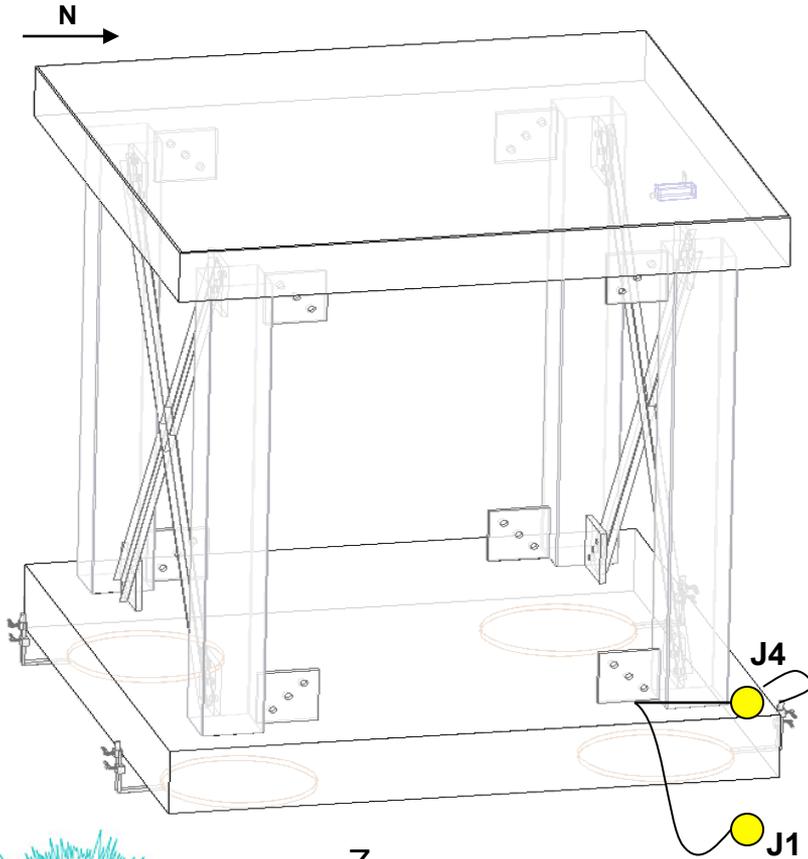
<b>Channel:</b>	25
<b>Measuring:</b>	Soil Pressure
<b>Sensor Model:</b>	EPX-V01-100P
<b>Sensor Serial Number:</b>	04E04E11-D28
<b>Sensitivity:</b>	1.2393 mv/psi
<b>Calibration Date:</b>	5/26/04
<b>Location Description:</b>	North-West corner of bottom slab
<b>Coordinates:</b>	(179,179,0)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	Pressure System Sensitivity is equal to: 2.77 e-3 volts/(gr/cm <sup>2</sup> )

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

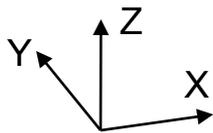
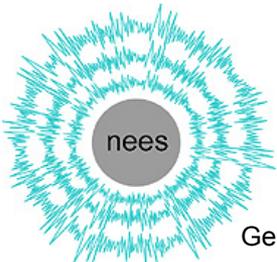
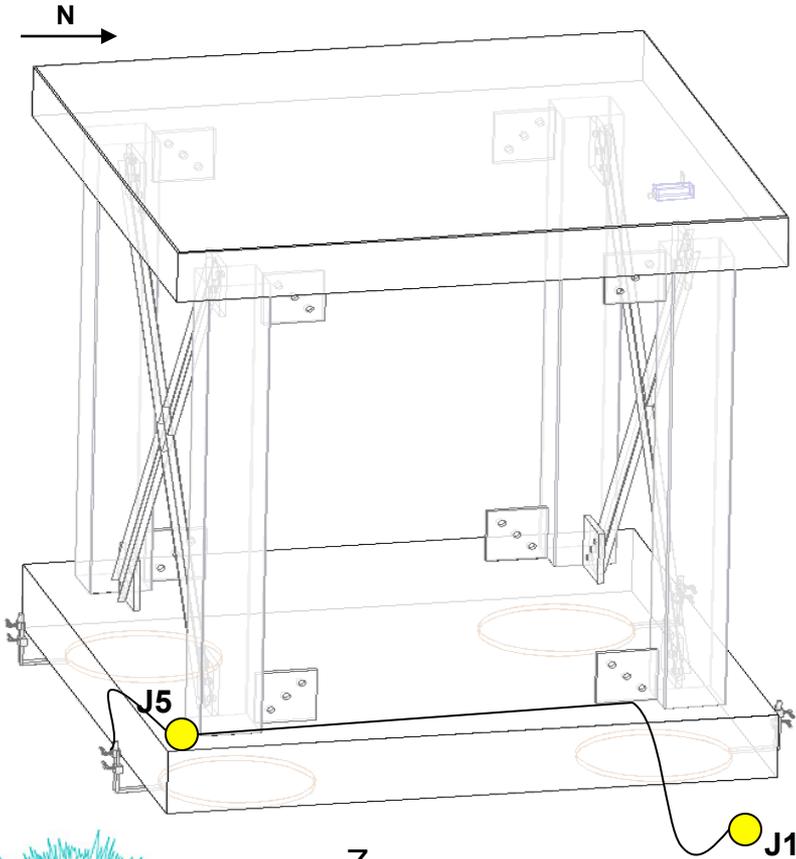
<b>Channel:</b>	26
<b>Measuring:</b>	Soil Pressure
<b>Sensor Model:</b>	EPX-V01-100P
<b>Sensor Serial Number:</b>	04A03F05-K10
<b>Sensitivity:</b>	1.5969 mv/psi
<b>Calibration Date:</b>	1/23/04
<b>Location Description:</b>	North-East corner of bottom slab
<b>Coordinates:</b>	(179,-179,0)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	Pressure System Sensitivity is equal to: 3.56 e-3 volts/(gr/cm2)

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

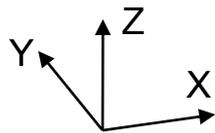
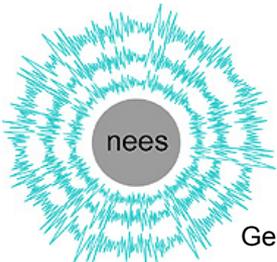
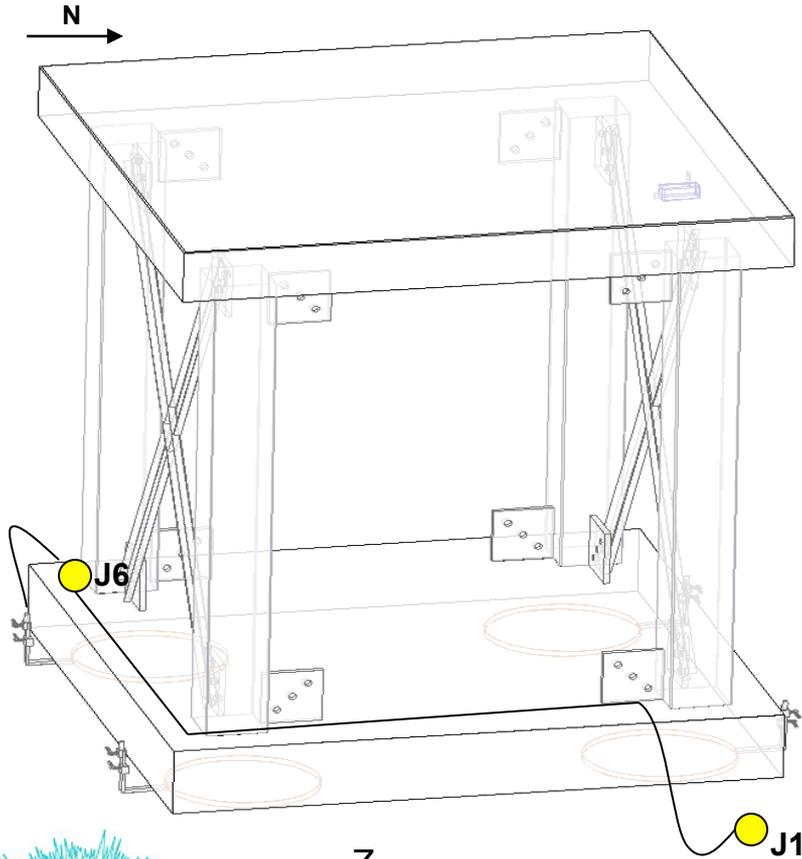
<b>Channel:</b>	27
<b>Measuring:</b>	Soil Pressure
<b>Sensor Model:</b>	EPX-V01-100P
<b>Sensor Serial Number:</b>	04A03F05-K09
<b>Sensitivity:</b>	1.3403 mv/psi
<b>Calibration Date:</b>	1/23/04
<b>Location Description:</b>	South-East corner of bottom slab
<b>Coordinates:</b>	(-179,-179,0)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	Pressure System Sensitivity is equal to: 2.99 e-3 volts/(gr/cm <sup>2</sup> )

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

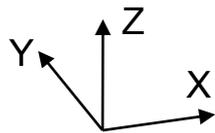
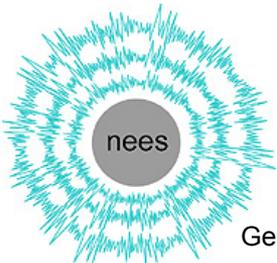
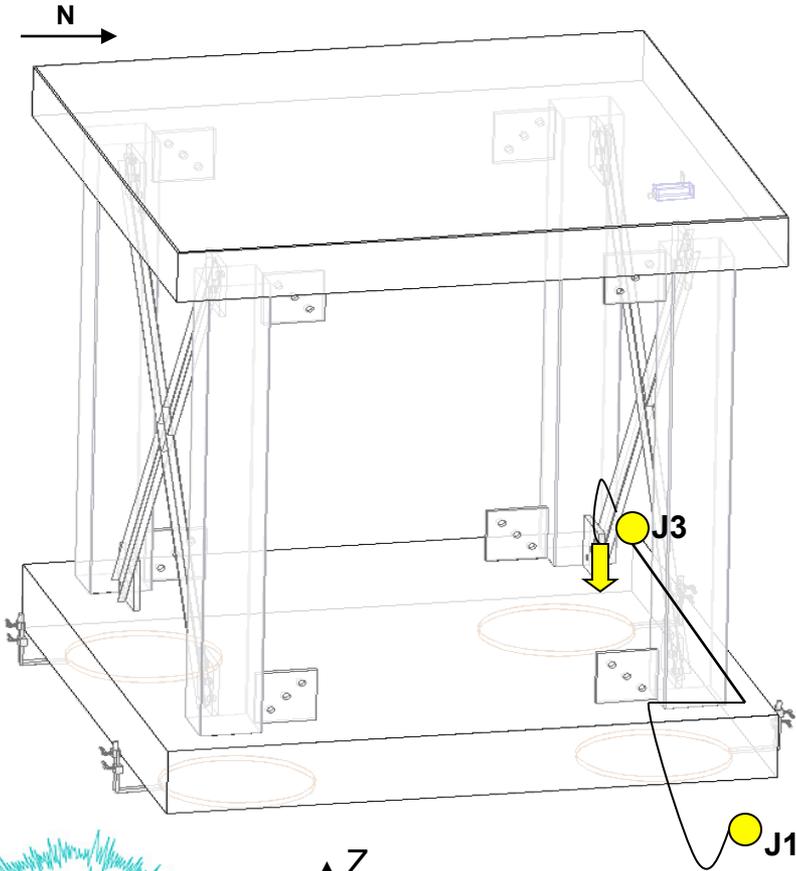
<b>Channel:</b>	28
<b>Measuring:</b>	Soil Pressure
<b>Sensor Model:</b>	EPX-V01-100P
<b>Sensor Serial Number:</b>	04E04E11-D27
<b>Sensitivity:</b>	1.1244 mv/psi
<b>Calibration Date:</b>	5/26/04
<b>Location Description:</b>	South-West corner of bottom slab
<b>Coordinates:</b>	(-179,179,0)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	Pressure System Sensitivity is equal to: 2.51 e-3 volts/(gr/cm2)

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

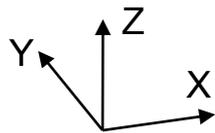
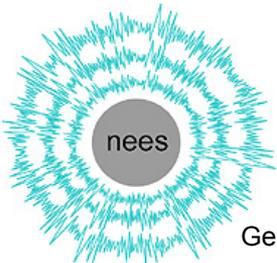
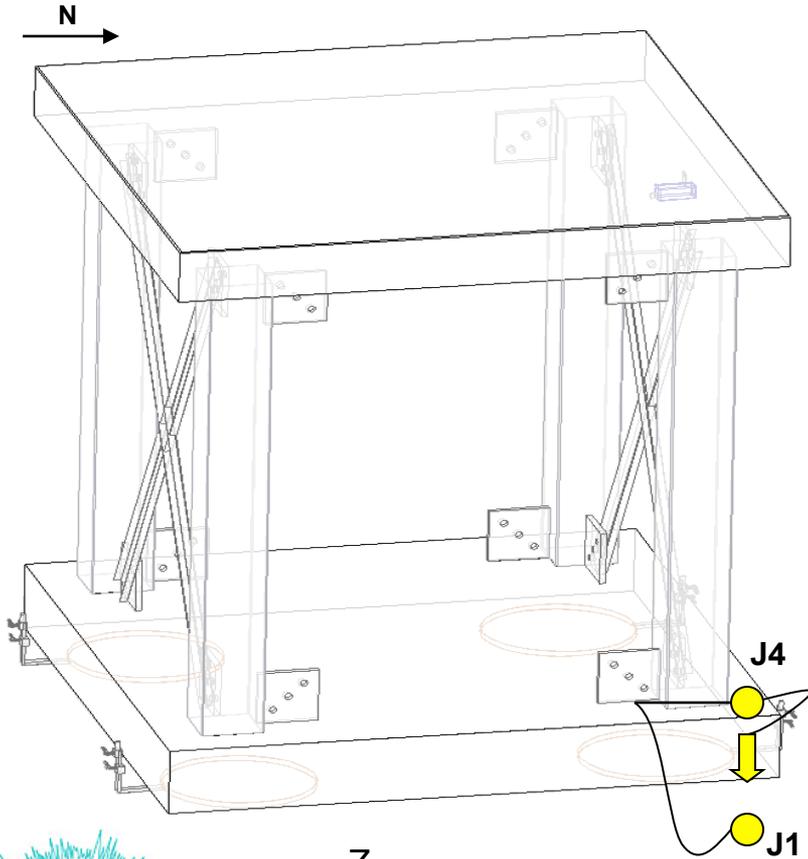
<b>Channel:</b>	29
<b>Measuring:</b>	Displacement
<b>Sensor Model:</b>	DT-30-B
<b>Sensor Serial Number:</b>	03-2823
<b>Sensitivity:</b>	0.0648 volts/in
<b>Calibration Date:</b>	7/23/03
<b>Location Description:</b>	North-West corner of bottom slab
<b>Coordinates:</b>	(188,209,25)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

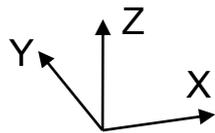
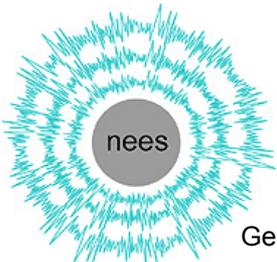
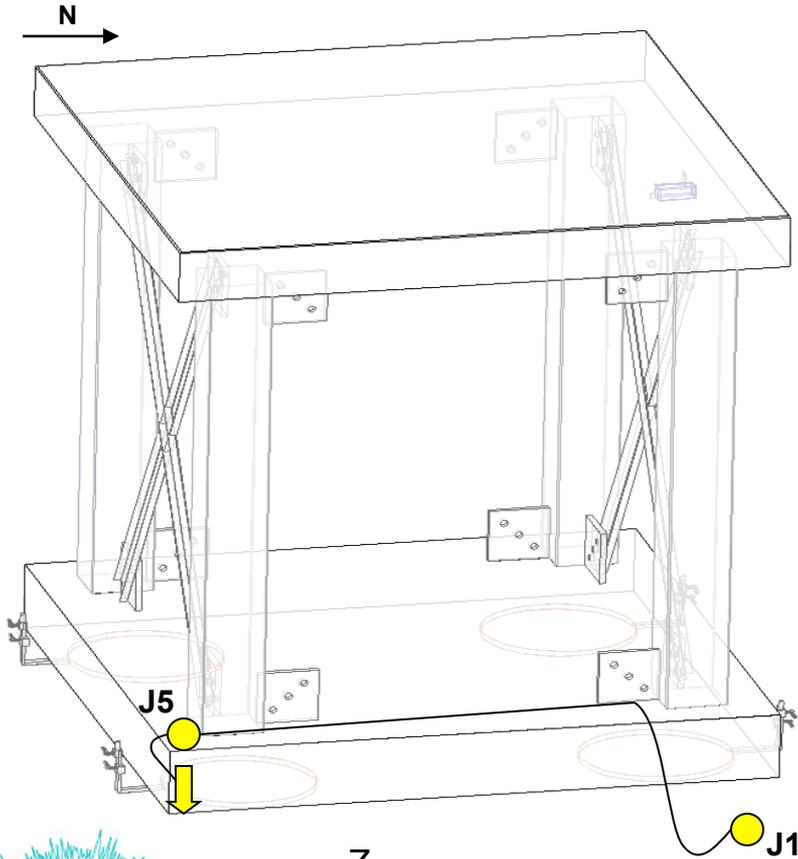
<b>Channel:</b>	30
<b>Measuring:</b>	Displacement
<b>Sensor Model:</b>	DT-30-B
<b>Sensor Serial Number:</b>	03-2826
<b>Sensitivity:</b>	0.0648 volts/in
<b>Calibration Date:</b>	7/23/03
<b>Location Description:</b>	North-East corner of bottom slab
<b>Coordinates:</b>	(183,-209,25)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

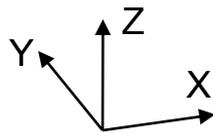
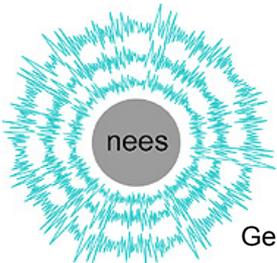
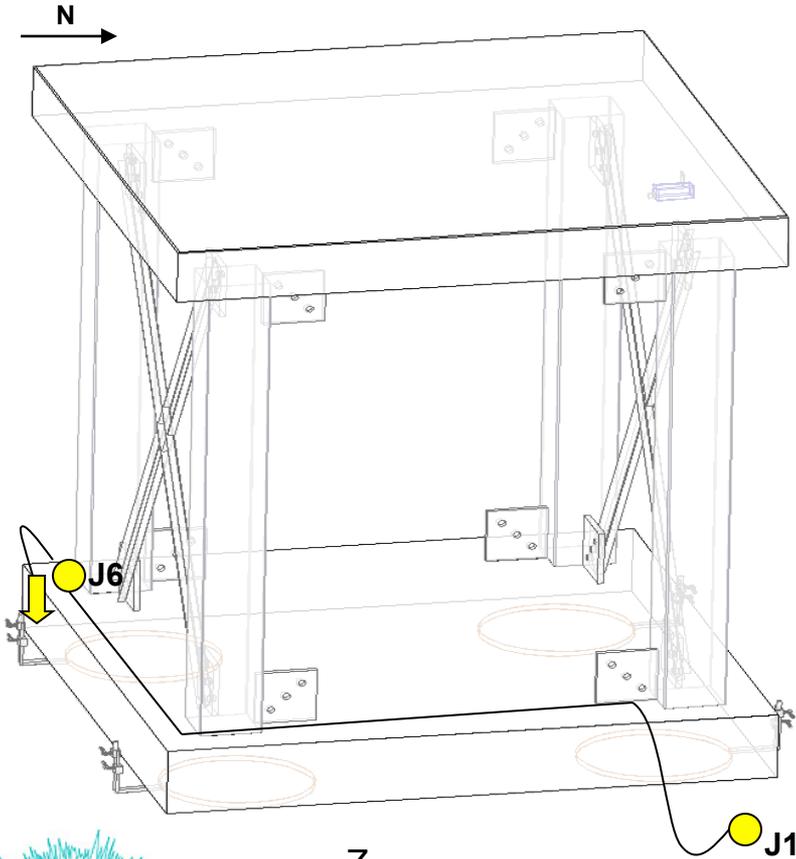
<b>Channel:</b>	31
<b>Measuring:</b>	Displacement
<b>Sensor Model:</b>	DT-30-B
<b>Sensor Serial Number:</b>	03-2824
<b>Sensitivity:</b>	0.0647 volts/in
<b>Calibration Date:</b>	7/23/03
<b>Location Description:</b>	South-East corner of bottom slab
<b>Coordinates:</b>	(-188,-209,25)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---

# SENSOR INFORMATION

**NEES@BYU**

**SFSI Test Structure**

## Sensor & Cable Location



The origin (0,0,0) is the center bottom of the bottom slab.

All coordinates are given in centimeters.

## Sensor Details

<b>Channel:</b>	32
<b>Measuring:</b>	Displacement
<b>Sensor Model:</b>	DT-30-B
<b>Sensor Serial Number:</b>	03-2825
<b>Sensitivity:</b>	0.0648 volts/in
<b>Calibration Date:</b>	7/23/03
<b>Location Description:</b>	South-West corner of bottom slab
<b>Coordinates:</b>	(-183,209,25)
<b>Orientation(+):</b>	Up
<b>Comments:</b>	---