**LIGO I2U2 Data Channel Names**

**March 2013**

Check the maps at <http://www.i2u2.org/elab/ligo/maps/lho-site.jsp> to view the locations of the buildings (stations).

**Raw Seismometer Channels *(channels highlighted in yellow can be added to the I2U2 interface as of 12/18/14)***

**Hanford**

LVEA

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_DQ

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_DQ

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_DQ

Mid X

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_DQ

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_DQ

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_DQ

End X

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_DQ

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_DQ

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_DQ

Mid Y

H1:PEM-MY\_SEIS\_VEA\_FLOOR\_X\_DQ

H1:PEM-MY\_SEIS\_VEA\_FLOOR\_Y\_DQ

H1:PEM-MY\_SEIS\_VEA\_FLOOR\_Z\_DQ

End Y

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_DQ

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_DQ

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_DQ

Vault

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_DQ

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_DQ

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_DQ

**Livingston**

LVEA

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_DQ

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_DQ

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_DQ

End X

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_DQ

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_DQ

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_DQ

End Y

L1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_DQ

L1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_DQ

L1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_DQ

**Frequency Banded Seismometer Channels**

**Hanford**

LVEA

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_30MHZ100

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_30MHZ100

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_30MHZ100

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_100MHZ300

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_100MHZ300

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_100MHZ300

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_300MHZ10000

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_300MHZ10000

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_300MHZ10000

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_1HZ3

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_1HZ3

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_1HZ3

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_3HZ10

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_3HZ10

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_3HZ10

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_10HZ30

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_10HZ30

H1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_10HZ30

Mid X

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_30MHZ100

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_30MHZ100

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_30MHZ100

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_100MHZ300

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_100MHZ300

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_100MHZ300

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_300MHZ10000

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_300MHZ10000

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_300MHZ10000

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_1HZ3

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_1HZ3

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_1HZ3

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_3HZ10

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_3HZ10

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_3HZ10

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_10HZ30

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_10HZ30

H1:PEM-MX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_10HZ30

End X

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_30MHZ100

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_30MHZ100

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_30MHZ100

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_100MHZ300

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_100MHZ300

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_100MHZ300

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_300MHZ10000

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_300MHZ10000

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_300MHZ10000

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_1HZ3

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_1HZ3

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_1HZ3

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_3HZ10

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_3HZ10

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_3HZ10

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_10HZ30

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_10HZ30

H1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_10HZ30

Mid Y

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_30MHZ100

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_30MHZ100

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_30MHZ100

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_100MHZ300

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_100MHZ300

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_100MHZ300

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_300MHZ10000

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_300MHZ10000

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_300MHZ10000

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_1HZ3

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_1HZ3

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_1HZ3

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_3HZ10

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_3HZ10

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_3HZ10

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_10HZ30

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_10HZ30

H1:PEM-VAULT\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_10HZ30

End Y

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_30MHZ100

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_30MHZ100

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_30MHZ100

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_100MHZ300

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_100MHZ300

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_100MHZ300

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_300MHZ10000

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_300MHZ10000

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_300MHZ10000

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_1HZ3

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_1HZ3

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_1HZ3

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_3HZ10

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_3HZ10

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_3HZ10

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_10HZ30

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_10HZ30

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_10HZ30

Vault

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_BLRMS\_30MHZ100

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_BLRMS\_30MHZ100

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_BLRMS\_30MHZ100

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_BLRMS\_100MHZ300

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_BLRMS\_100MHZ300

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_BLRMS\_100MHZ300

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_BLRMS\_300MHZ10000

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_BLRMS\_300MHZ10000

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_BLRMS\_300MHZ10000

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_BLRMS\_1HZ3

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_BLRMS\_1HZ3

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_BLRMS\_1HZ3

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_BLRMS\_3HZ10

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_BLRMS\_3HZ10

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_BLRMS\_3HZ10

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_X\_BLRMS\_10HZ30

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Y\_BLRMS\_10HZ30

H1:PEM-VAULT\_SEIS\_1030X195Y\_STS2\_Z\_BLRMS\_10HZ30

**Livingston**

LVEA

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_30MHZ100

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_30MHZ100

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_30MHZ100

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_100MHZ300

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_100MHZ300

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_100MHZ300

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_300MHZ10000

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_300MHZ10000

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_300MHZ10000

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_1HZ3

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_1HZ3

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_1HZ3

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_3HZ10

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_3HZ10

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_3HZ10

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_X\_BLRMS\_10HZ30

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Y\_BLRMS\_10HZ30

L1:PEM-CS\_SEIS\_LVEA\_VERTEX\_Z\_BLRMS\_10HZ30

End X

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_30MHZ100

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_30MHZ100

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_30MHZ100

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_100MHZ300

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_100MHZ300

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_100MHZ300

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_300MHZ10000

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_300MHZ10000

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_300MHZ10000

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_1HZ3

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_1HZ3

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_1HZ3

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_3HZ10

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_3HZ10

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_3HZ10

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_10HZ30

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_10HZ30

L1:PEM-EX\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_10HZ30

End Y

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_30MHZ100

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_30MHZ100

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_30MHZ100

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_100MHZ300

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_100MHZ300

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_100MHZ300

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_300MHZ10000

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_300MHZ10000

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_300MHZ10000

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_1HZ3

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_1HZ3

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_1HZ3

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_3HZ10

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_3HZ10

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_3HZ10

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_X\_BLRMS\_10HZ30

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Y\_BLRMS\_10HZ30

H1:PEM-EY\_SEIS\_VEA\_FLOOR\_Z\_BLRMS\_10HZ30

**Tiltmeter Channels**

**Hanford**

LVEA

H1:PEM-CS\_TILT\_LVEA\_VERTEX\_X\_DQ

H1:PEM-CS\_TILT\_LVEA\_VERTEX\_Y\_DQ

H1:PEM-CS\_TILT\_LVEA\_VERTEX\_T\_DQ

Mid X

H1:PEM-CS\_TILT\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_T\_DQ

End X

H1:PEM-CS\_TILT\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_T\_DQ

Mid Y

H1:PEM-CS\_TILT\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_T\_DQ

End Y

H1:PEM-CS\_TILT\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_TILT\_VEA\_FLOOR\_T\_DQ

**Livingston**

LVEA

L1:PEM-CS\_TILT\_LVEA\_VERTEX\_X\_DQ

L1:PEM-CS\_TILT\_LVEA\_VERTEX\_Y\_DQ

L1:PEM-CS\_TILT\_LVEA\_VERTEX\_T\_DQ

End X

L1:PEM-CS\_TILT\_VEA\_FLOOR\_X\_DQ

L1:PEM-CS\_TILT\_VEA\_FLOOR\_Y\_DQ

L1:PEM-CS\_TILT\_VEA\_FLOOR\_T\_DQ

End Y

L1:PEM-CS\_TILT\_VEA\_FLOOR\_X\_DQ

L1:PEM-CS\_TILT\_VEA\_FLOOR\_Y\_DQ

L1:PEM-CS\_TILT\_VEA\_FLOOR\_T\_DQ

**Magnetometer Channels**

**Hanford**

LVEA

H1:PEM-CS\_MAG\_LVEA\_VERTEX\_X\_DQ

H1:PEM-CS\_MAG\_LVEA\_VERTEX\_Y\_DQ

H1:PEM-CS\_MAG\_LVEA\_VERTEX\_Z\_DQ

Mid X

H1:PEM-CS\_MAG\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Z\_DQ

End X

H1:PEM-CS\_MAG\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Z\_DQ

Mid Y

H1:PEM-CS\_MAG\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Z\_DQ

End Y

H1:PEM-CS\_MAG\_VEA\_FLOOR\_X\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Y\_DQ

H1:PEM-CS\_MAG\_VEA\_FLOOR\_Z\_DQ

**Livingston**

LVEA

L1:PEM-CS\_MAG\_LVEA\_VERTEX\_X\_DQ

L1:PEM-CS\_MAG\_LVEA\_VERTEX\_Y\_DQ

L1:PEM-CS\_MAG\_LVEA\_VERTEX\_Z\_DQ

End X

L1:PEM-CS\_MAG\_VEA\_FLOOR\_X\_DQ

L1:PEM-CS\_MAG\_VEA\_FLOOR\_Y\_DQ

L1:PEM-CS\_MAG\_VEA\_FLOOR\_Z\_DQ

End Y

L1:PEM-CS\_MAG\_VEA\_FLOOR\_X\_DQ

L1:PEM-CS\_MAG\_VEA\_FLOOR\_Y\_DQ

L1:PEM-CS\_MAG\_VEA\_FLOOR\_Z\_DQ