*LIGO Laboratory / LIGO Scientific Collaboration*

LIGO-E1500022-v1 *Advanced LIGO* 10 June 2015

Test Procedure for Slow Controls Concentrator Auxiliary 6

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LIGO Scientific Collaboration

This is an internal working note

of the LIGO Laboratory.

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# Overview

The slow controls concentrator auxiliary 6 supports 2 MCL PZT drivers.

# Test Equipment

* Multimeter.
* DC power supplies.

# Documentation

* Schematics—[D1500027-v1](https://dcc.ligo.org/DocDB/0117/D1500027/001/D1500027-v1.pdf)

# Tests

Open the lid of the DUT. Connect a DB37 breakout board to the rear connector if available.

Serial number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Engineer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_

## Power

Check the voltages on the concentrator power board. The voltage should be within 5% of nominal.

Voltage Supply OK\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Voltage Supply Fail\_\_\_\_\_\_\_\_\_\_\_\_\_

## LED

Check that the LED on the front panel and the 2 LEDs on the rear panel are lit.

Front panel LED\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rear panel LEDs\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Testing

### PZT1 Board

Check continuity of one or two signals from front-panel TNC to rear panel DB37.

Continuity OK\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Continuity Fail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### PZT2 Board

Check continuity of one or two signals from front-panel TNC to rear panel DB37.

Continuity OK\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Continuity Fail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_