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Test Procedure for Slow Controls Concentrator Auxiliary 6

Daniel Sigg

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LIGO Scientific Collaboration

This is an internal working note

of the LIGO Laboratory.

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| **California Institute of Technology****LIGO Project – MS 18-34****1200 E. California Blvd.****Pasadena, CA 91125**Phone (626) 395-2129Fax (626) 304-9834E-mail: info@ligo.caltech.edu | **Massachusetts Institute of Technology****LIGO Project – NW22-295****185 Albany St****Cambridge, MA 02139**Phone (617) 253-4824Fax (617) 253-7014E-mail: info@ligo.mit.edu |
| **LIGO Hanford Observatory****P.O. Box 1970****Richland WA 99352**Phone 509-372-8106Fax 509-372-8137 | **LIGO Livingston Observatory****P.O. Box 940****Livingston, LA 70754**Phone 225-686-3100Fax 225-686-7189 |

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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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_