



LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY

LIGO Laboratory / LIGO Scientific Collaboration

LIGO-E1500022-v1

Advanced LIGO

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Test Procedure for Slow Controls Concentrator Auxiliary 6

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Distribution of this document:
LIGO Scientific Collaboration

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1 Overview

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

2 Test Equipment

- Multimeter.
- DC power supplies.

3 Documentation

- Schematics—[D1500027-v1](#)

4 Tests

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

Serial number _____ Engineer _____ Date _____

4.1 Power

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

Voltage Supply OK _____ Voltage Supply Fail _____

4.2 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 _____

4.3 Testing

4.3.1 PZT1 Board

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

Continuity OK _____ Continuity Fail _____

4.3.2 PZT2 Board

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

Continuity OK _____ Continuity Fail _____