

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100395

Analyst(s): Derek Walton

Start Date: 10/20/25

Reason for Repair

filter wheel error, communication error 1

Troubleshooting/Repair

Edge of primary filter wheel is dirty - cleaned. Filter wheel tension feels appropriate. Instrument does not have an updated controller board yet. Regulator controller board connection cable is also frayed. During filter wheel tests (1 of 7 errors), the stepper motor began slipping against the primary filter wheel. The stepper motor continued running even when filter test was exited.

Recommend replacement of controller board and regulator or closeout. Unable to perform further testing.

☒ VOC (attached)

☐ Verify software version

☒ VOC Internal Standard value $\leq 3.00\%$

☐ Non-Drinking Subject Test (attached)

NA DM 10/20/25

☐ Ready for Adjustment

☐ Ready for Calibration

☒ Further Repair Needed

☐ Return to Factory

☐ Proceed to Close Out

End Date: 10/20/25