Gas Flow Sensor Chassis Assembly for the Super Bigbite Spectrometer

Mindy Leffel and the Detector Support Group

March 25, 2021

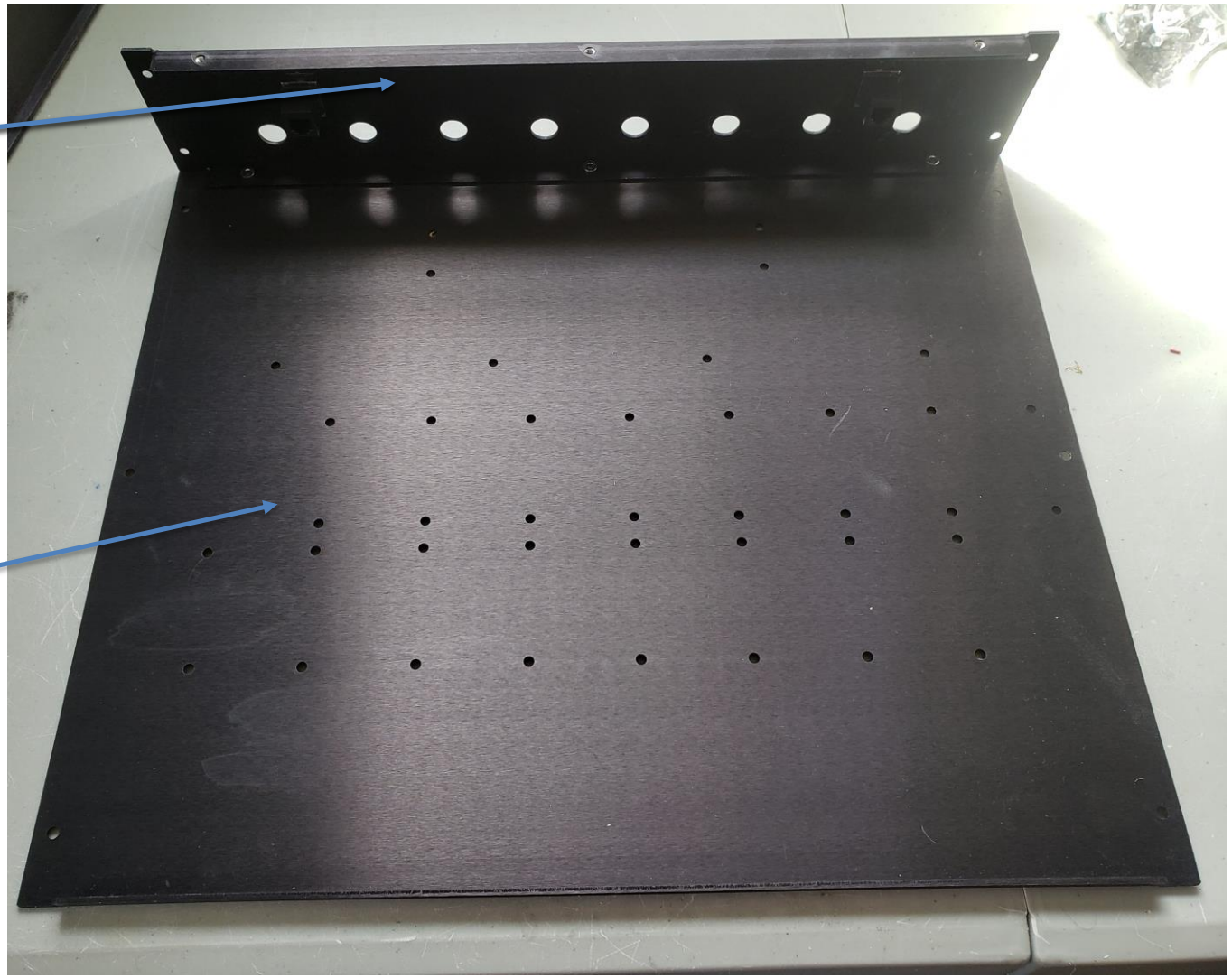
Table of Contents

- Assembly steps 1-6
- Conclusion

Step 1 Assemble Panels

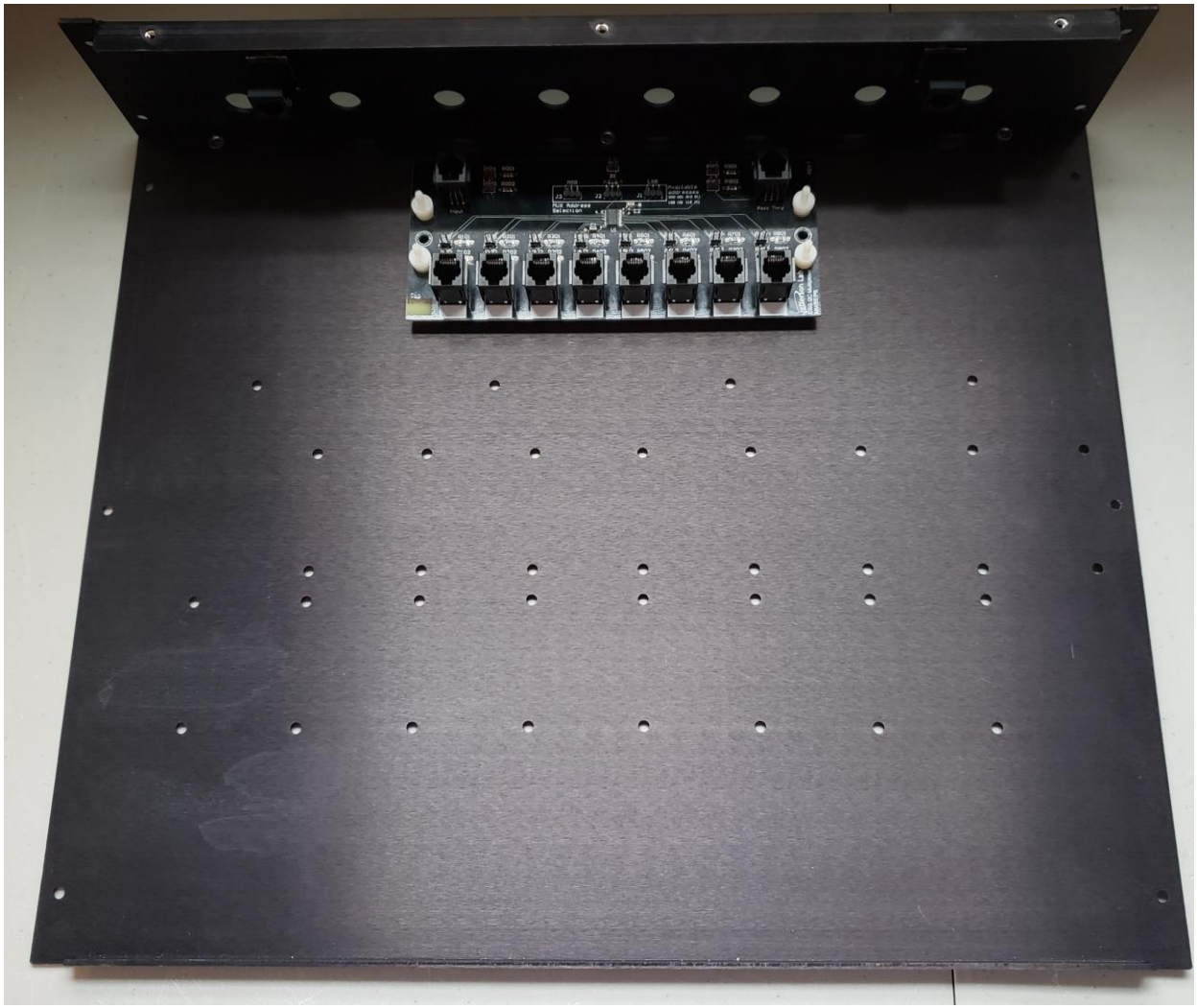
Front Panel

Bottom Panel

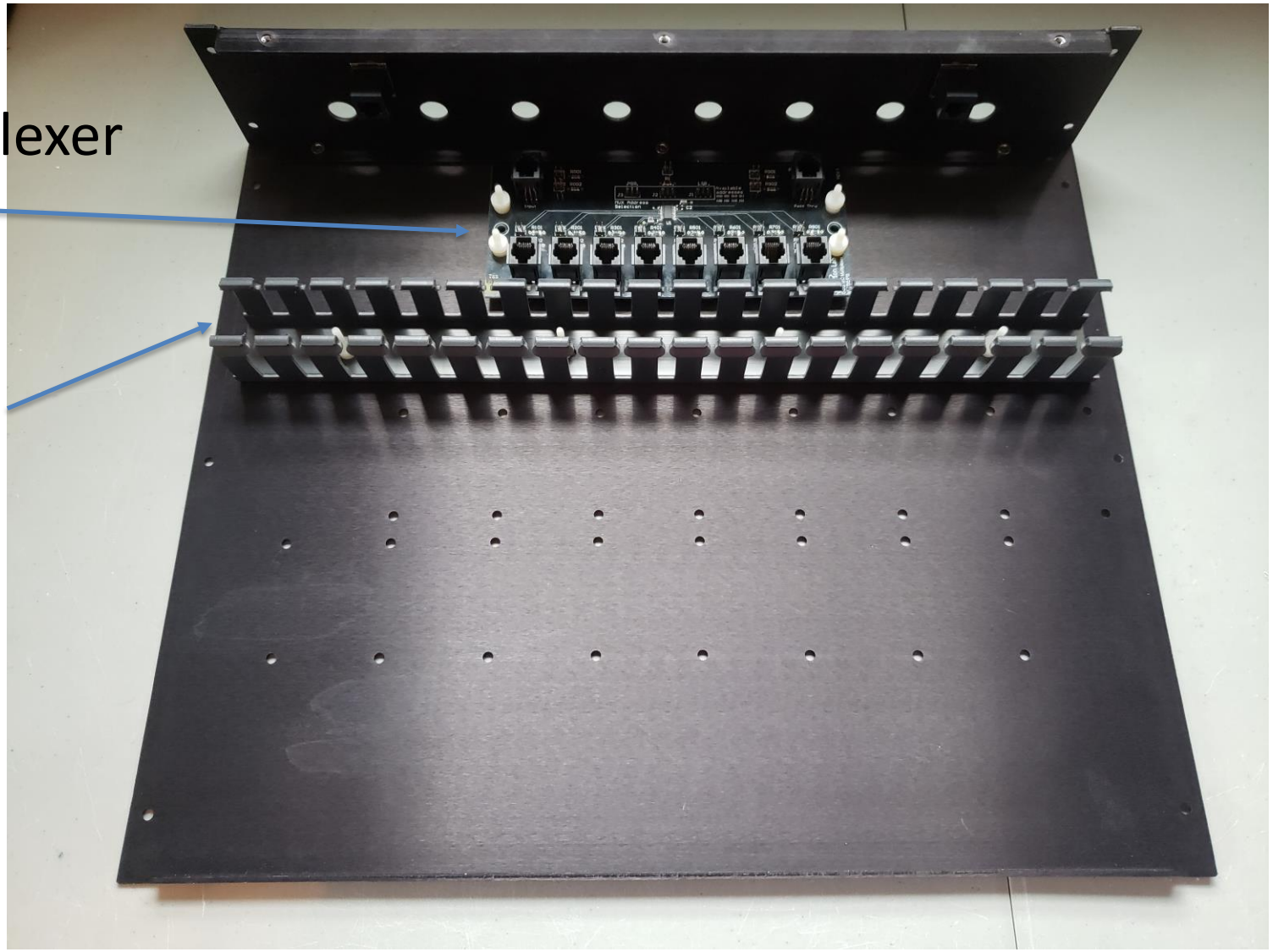


Step 2 Install I²C Multiplexer Board

I²C Multiplexer Board



Step 3 Attach Cable Tray

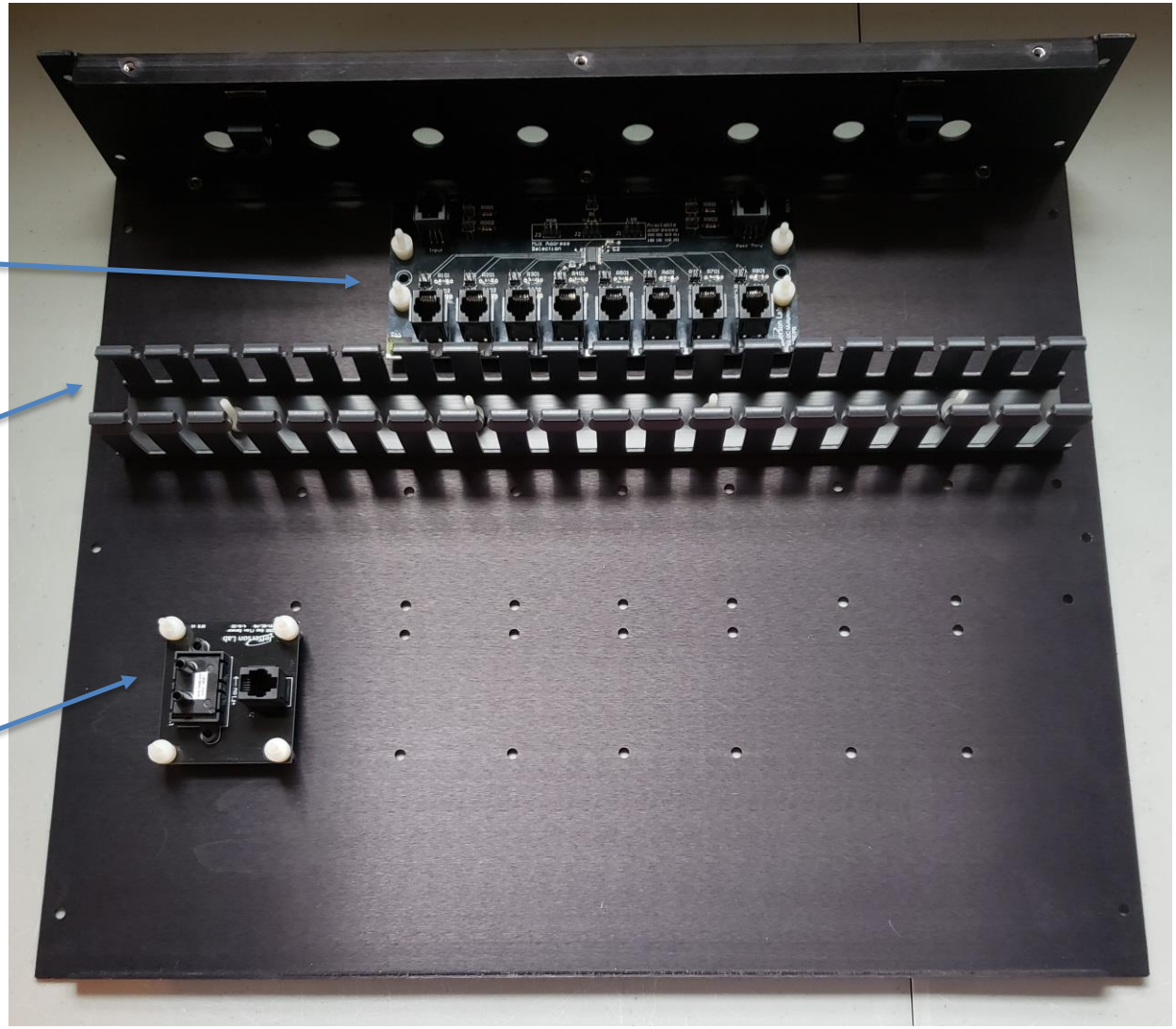


Step 4 Install 1 of 8 Gas Flow Sensor Boards

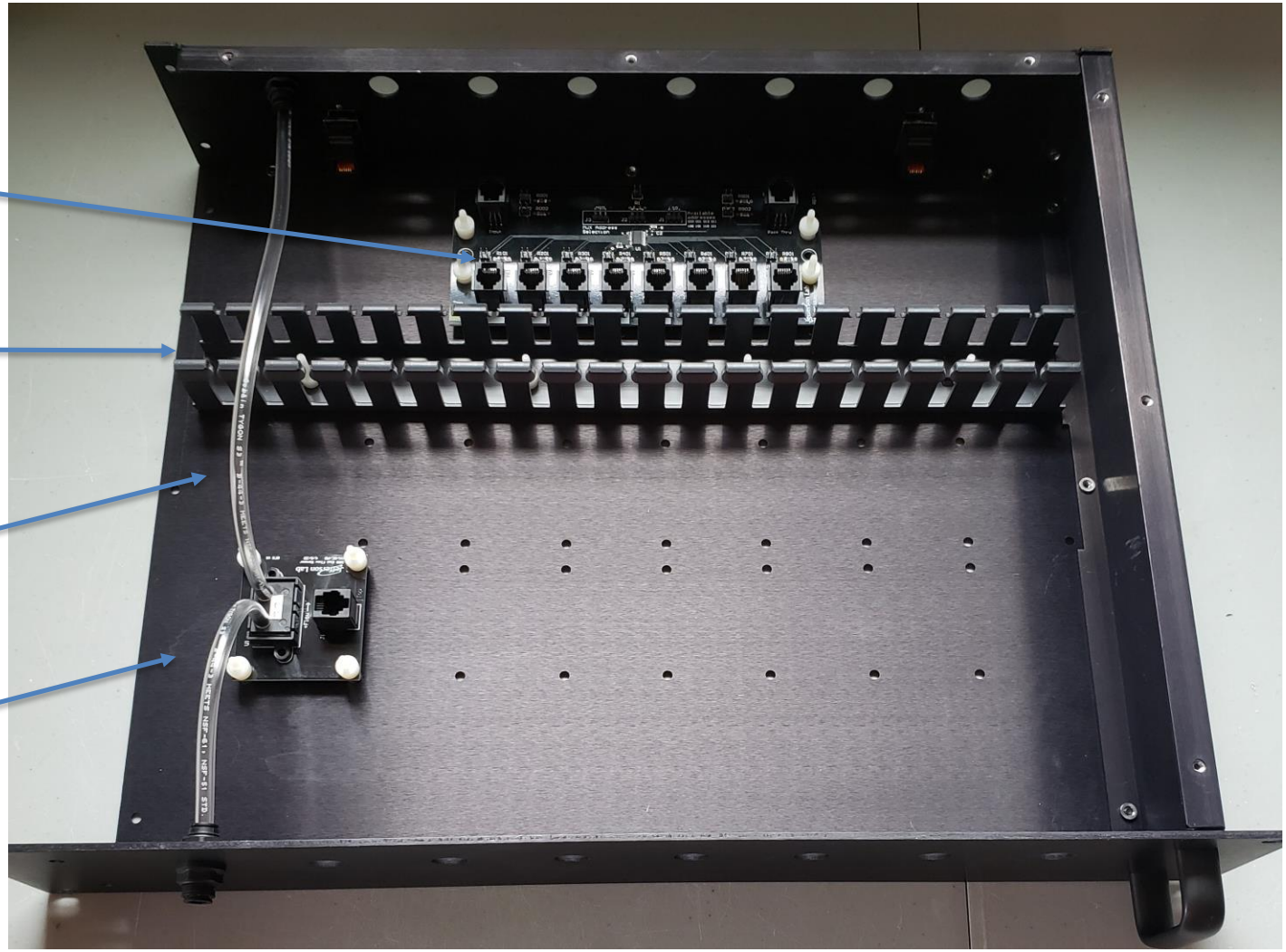
I^2C Multiplexer Board

Cable Tray

Gas Flow Sensor Board



Step 5 Affix Tubing to Gas Flow Sensor



Step 6 Connect I²C Communication Cables

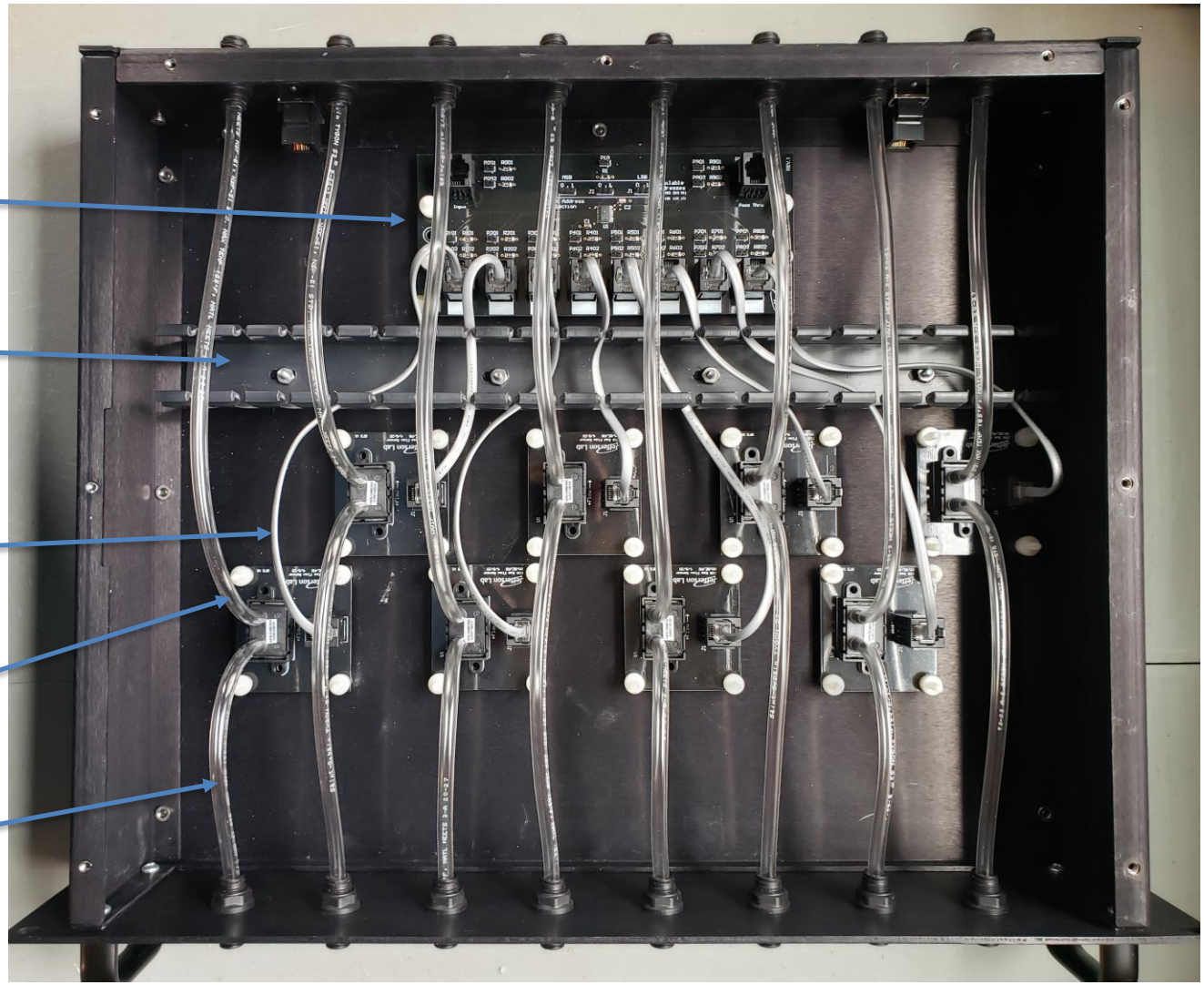
I²C Multiplexer Board

Cable Tray

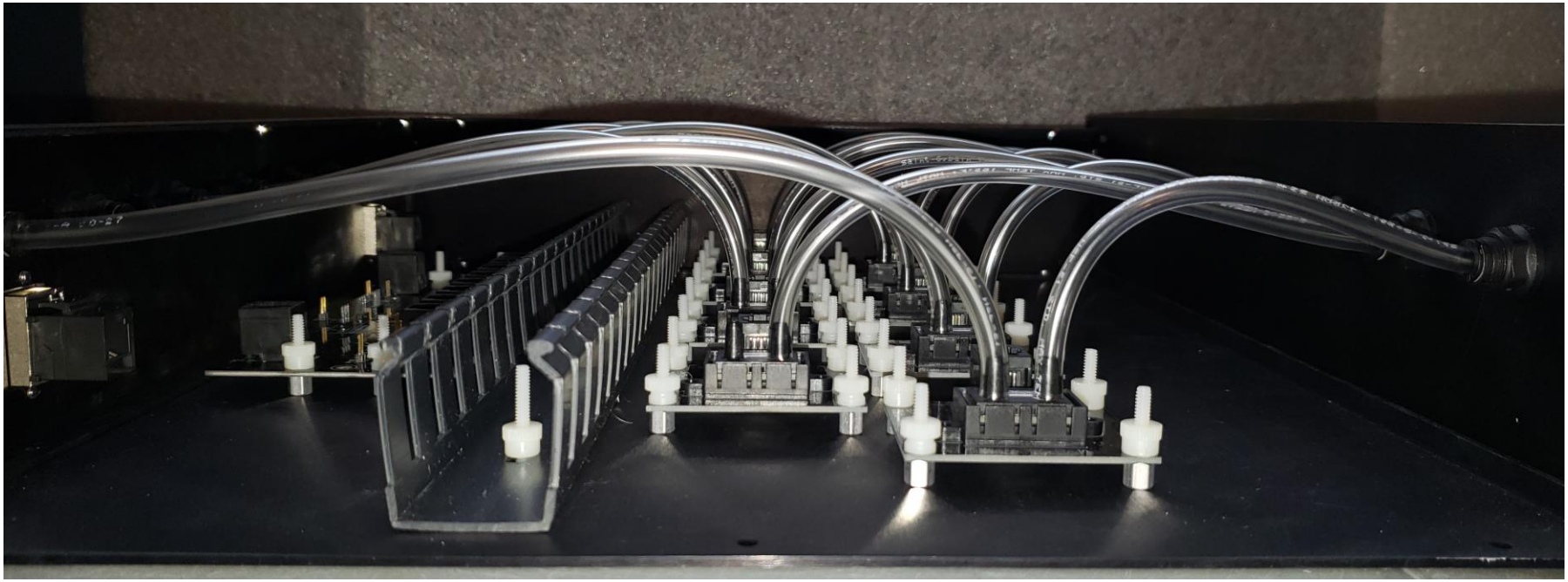
I²C Communication Cable

Outlet Gas Tube

Inlet Gas Tube



Side View of Chassis



Conclusion

- One of six chassis fabricated for Super Bigbite Spectrometer

Thank You