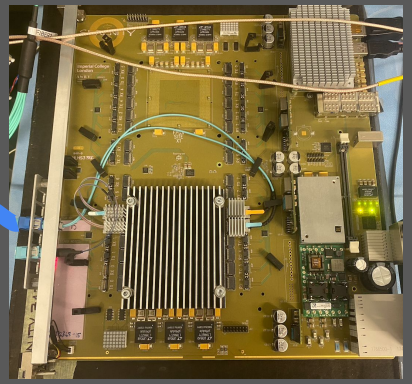
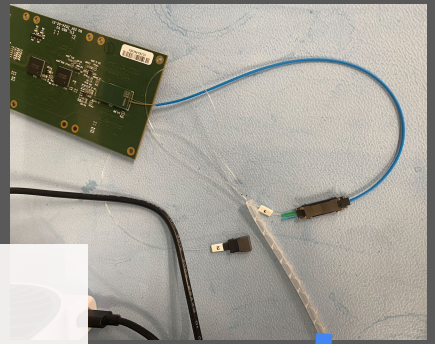
ETL in Serenity set-up Update

Naomi Gonzalez

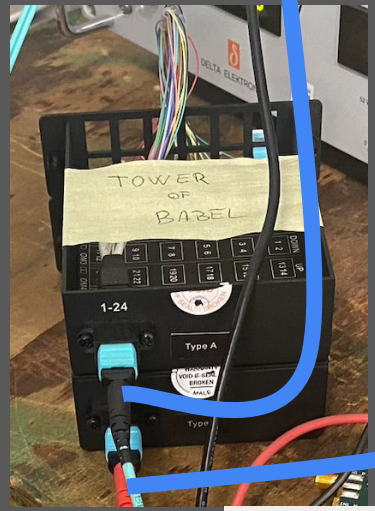
Previous Set Up

Serenity z1.1 connected to Tower of Babel (ToB)

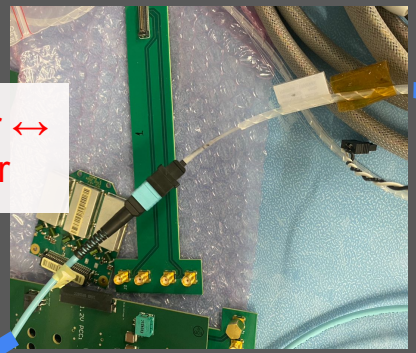




BTL pigtail ↔ VTRX+



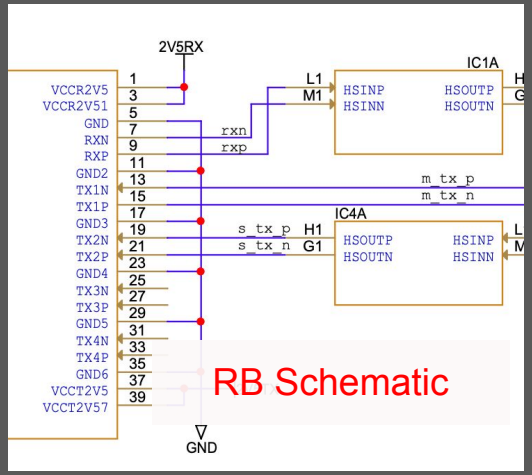
Elongating Fiber ↔ BTL clear fiber

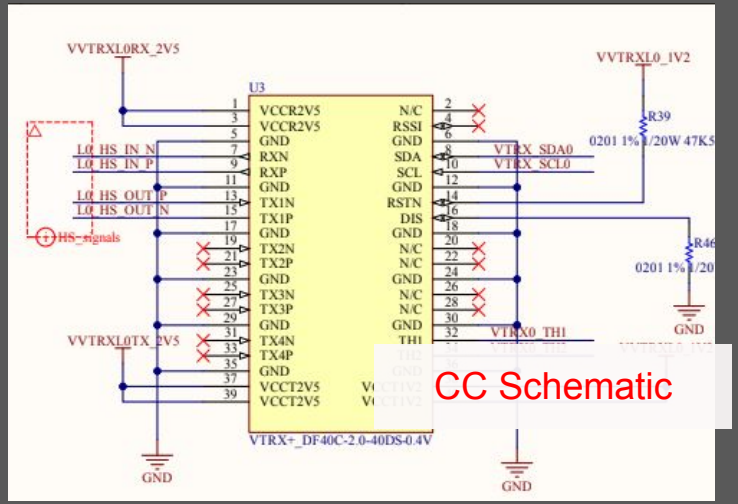


ToB ↔ Elongating Fiber

Table 9: VTRx+ module optical interface pinout.

VTRx+ Function	Fibre Number
RX	7
TX1	6
TX2	5
TX3	4
TX4	3

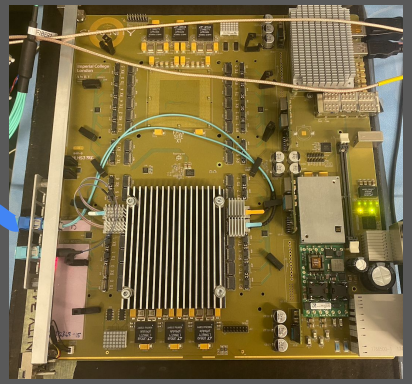


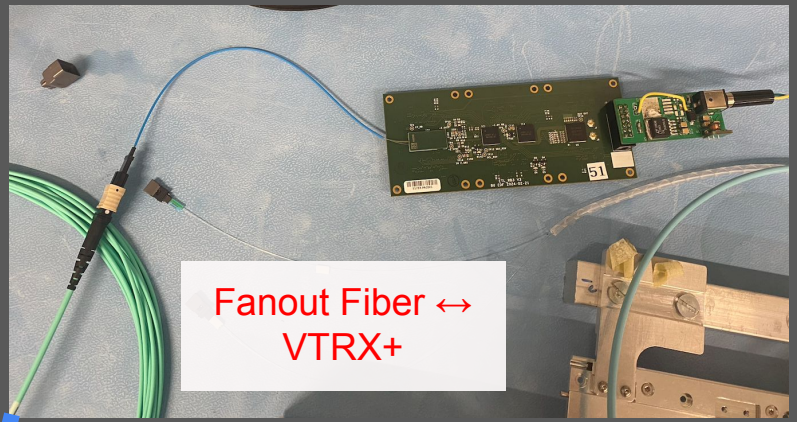


Note: Same Elongating Fiber was used when testing with KCU105 in the previous test and we realized it was very dirty

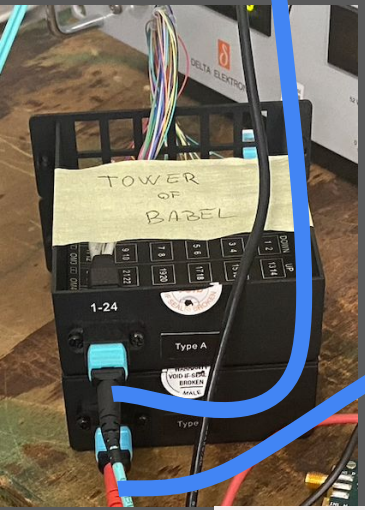
New Set Up

Serenity z1.1 connected to Tower of Babel (ToB)

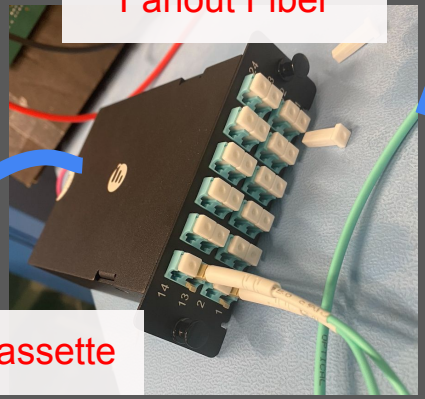




Fanout Fiber ↔ VTRX+



Cassette ↔ Fanout Fiber



ToB ↔ Cassette

Then it worked.

```
python -m src.mtddaqsw.apps.S_Tamalero_config
Fetching config from: http://localhost:8001/etl_chip_config/Master LPGBT
Success: Received configuration for Master LPGBT
attempting to read!!
166
[cmx@serenity-2368-15 fresh-mtd-daq]$ python
Python 3.11.9 (main, Dec  9 2024, 00:00:00) [GCC 11.5.0 20240719 (Red Hat 11.5.
Type "help", "copyright", "credits" or "license" for more information.
>>> hex(166)
'0xa6'
```