MODULE WIREBONDING
(one technician)

Preparation (1min):
- Get module from cabinet
- Take module out of box
- Mount module on wire bonding fixture
- Scan barcode and start database
- Drive fixture in

Bonding (10min 10sec):
- Do 5 bonds on P.A. test area *(45 sec)*
- Do bias bonds *(2 min)*
- Check number of bonds made thus far and enter into database *(15)*
- Start bonding program and bond all signal wires *(4min 30sec to 5min, depending on eyepoints and whether it’s a 4- or 6-chip module)*
- Check that all bonds are there, if not, re-do missing bonds *(2min)*
- Remove module from wire bonding fixture *(10 sec)*

Post-bonding tasks (6min 55sec):
- Put module under stereoscope and check bonds *(30sec)*
- Get bad channel list from database *(30sec)*
- Pluck bad channels *(1min 40sec)*
- Put module on pull tester and pull test P.A. test area bonds *(1min 45sec)*
- Put module back into box and return to cabinet *(30sec)*
- Enter pull test results and all other information into database *(2min)*

*Total time: 18min 5sec*
MODULE WIREBONDING
(with two technicians)

First Technician:

Preparation (20sec):
- Get module from cabinet
- Take module out of box and give to second technician

Second Technician:

Preparation (25sec):
- Mount module on wire bonding fixture
- Drive fixture in

Bonding (10min 20sec):
- Do 5 bonds on P.A. test area (45 sec)
- Do bias bonds (2 min)
- Check number of bonds made thus far and write it down (15 sec)
- Start bonding program and bond all signal wires (4min 30sec to 5min,
  depending on eyepoints and whether it’s a 4- or 6-chip module
- Check that all bonds are there, if not, re-do missing bonds (2min)
- Remove module from wire bonding fixture (10 sec)
- Give module back to first technician (10 sec)

First Technician:

Post-bonding tasks (7min 20sec):
- Get module from second technician (10sec)
- Put module under stereoscope and check bonds (30sec)
- Open database and scan barcode (30sec)
- Get bad channel list from database (15sec)
- Pluck bad channels (1min 40sec)
- Put module on pull tester and pull test P.A. test area bonds (1min
  45sec)
- Enter pull test results and all other information into database (2min)
- Put module back into box and return to cabinet (30sec)

Total time: 10min 45sec