

| Step | BNL | LBNL | SCIPP |
|--|------------------|--------------|--------------|
| 1.1 HV Tab Bonding Procedures | | | |
| 3.1 Sensor Reception | Ready for Review | | Doc started |
| 3.2 Sensor Storage | Passed | Doc started | Passed |
| 6.3 Powerboard Visual Inspection | Passed | Passed | Under Review |
| 6.4 Powerboard Storage | Passed | Doc started | Passed |
| 8.1 Hybrid Tools | NA | Passed | NA |
| 8.2 Storage + Shipping of Glue for Hybrid | Passed | Passed | Passed |
| 8.3 Hybrid Assembly | Doc started | | Doc started |
| 8.4 Glue Weight Measurements | Doc started | | Passed |
| 8.5 Hybrid Bonding Procedures | | | |
| 8.6 Hybrid Metrology | | | |
| 8.7 Hybrid Visual Inspection | Under Review | Passed | Passed |
| 8.10 Hybrid Storage | Passed | Doc started | Passed |
| 11.1 Module Storage | Passed | Doc started | Passed |
| 11.2 Cleaning Module Jigs | Passed | Passed | Passed |
| 11.3 Module Tools | NA | Passed | NA |
| 11.4 Storage + Shipping of Glue for Module | Passed | Passed | Passed |
| 11.8 Module Bonding Procedures | | | |
| 11.9 Module Visual Inspection | Passed | Passed | Passed |
| 12.1 Shipping Modules | NA | | Passed |
| 13.1 Cleanroom Standards | Passed | Under Review | Passed |
| 13.2 ASIC Compliance & Handling | Passed | Passed | Passed |
| 13.3 Bond Pulling | | | Passed |

Next?



Modules — BNL

- SQ: 11 steps passed (9 in the past week). 1 step under review.
 - Working on the hybrid assembly document.
 - 2 more will be ready this week.
- Coldbox: Study will (hopefully) complete this week. No major issues.
- SmartScope: Still waiting for vendor quotes on upgrade & calibration. PO for the laser should have reached the vendor, but not confirmed.
- Metrology: Reference hybrid measurements, including the total height, almost finished. Will send the hybrid back to LBNL.
- Visual Inspection: 50 Mpx DSLR mounted on the dark box. Finalizing the LED lighting.
- Working on the impact of the new budget numbers.

Modules — LBNL

- SQ: 9 steps passed (2 in the past week). 1 step (clean room) is under review.
 - Storage steps will be ready by tomorrow. RH recovery time limited by the flow meters.
 - Videos have been made for hybrid assembly.
- Metrology: Waiting to resume measurement of the reference module.
 - X hybrid built with defective flex last week showed good metrology results.
- Built a Y hybrid with defective flex and mechanical dummy chips to test Y tools. Will do metrology to validate the program.
- HV tab bonding: Continuing to test. Promising results.
- Next week: build one SQ hybrid.

Modules — SCIPP

- SQ: 14 steps passed (1 in the past week). 1 step under review.
 - Iterating with a reviewer on Powerboard Visual Inspection
 - Preparation for 3 Bonding Procedures (HV tab, hybrid, module) in progress.
- PB assembly testing: Jacob and Karol solved most of the issues.
 - The last issue is a difference observed between 10-board testing and ≤ 8 -board testing.
 - Next steps will be encapsulation / re-testing / prepare shipment packages.
- Vitaliy presented robotic glue dispensing at the Module Meeting today.
- Andrew and Forest continue to test sensors.