

# **CI operation report**

## **LArSoft Coordination Meeting**

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# CI operation: status

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- CI builds run for SLF6 and Mac OS 10.10 (Yosemite) platforms.
- $\mu$ BooNE, DUNE, LArIAT and ArgoNeuT codes run in the CI system.
  
- Currently there are:
  - 186 running unit tests;
  - 53 CI tests (19 running as default).
  
- Second tier of CI test suites under development:
  - is intended to extend the existing set of CI test suites to cover more use cases.
  - Test new experiment's workflows?
  - Some experiment needs a specific CI test to be implemented?
  - These CI tests can be executed on demand/nightly/per release/...

# CI operation: status/issues

## DUNE:

- **Mac OS and SLF6 CI builds:**
  - development/improvements in PMA code caused changes in the reco stage data products;
  - improvements in the code for the digitization of photon detector caused changes in the data product size for the detsim stage;
  - new set of reference files for the CI tests have been generated.
  - The unit test `test_FileChannelMappingService` failed because of a missing map file `rce_channel_map_dune35t.txt`. The file has been removed because was outdated;
  - the unit test has been removed.
- Reference files generated using LArSoft v6\_04\_01.

# CI operation: status/issues

## μBooNE:

- **In Mac OS CI build the generation stage fails: [Pending]**
  - CORSIKA interface uses “ifdh ls”, this is not fully supported on Mac OS.
  - ifdhc b2\_0\_0 (beta) has been release, should be able to address this issue.
    - Test is in progress.
- **Mac OS and SLF6 CI builds:**
  - Issue in the build phase because of a missing header file [Fixed].
  - Reference files generated using LArSoft v6\_01\_00.

# CI operation: status/issues

## LArIAT:

- **SLF6 and Mac OS CI builds:**

- new track reconstruction algorithm code introduced new data products in the Reco2D stage;
- new set of reference files has been generated.
  
- Reference files generated using LArSoft v06\_04\_00.

# CI operation: status/issues

## ArgoNeuT:

- **SLF6 and Mac OS CI builds:**

- development/improvements in PMA code caused the change of the size of 1 data product in the reco stage;
  - new set of reference files have been generated.
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- Reference files generated using LArSoft v06\_04\_00.

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# The End