

Using Buildbot

To use buildbot please follow the instructions on the following gitlab wiki page:

<https://gitlab.dkrz.de/icon/wiki/-/wikis/How-to-use-the-new-buildbot>

Step by step guide to generate new references

1) Start the builders you want to generate references for from gitlab with runBB(machines;tolerance | update | tolerance-update | oes-ref) depending on your needs, e.g. runBB(daint;tolerance)

2) Wait for the job to finish and open one of the refgen_<experiment> files (e.g. pp.refgen_atm_qubicc_nc_test). Look for the section in the log where the reference data is stored and copy the hash:

storing reference stats_atm_qubicc_nc_test_ref.csv to
/users/iconcontest/pool/data/ICON/buildbot_data/ref/2022-08-02.icon-
aes.34c38fd338fd/daint_cpu_nvidia/reference/atm_qubicc_nc_test.csv

3) Paste this hash into the respective script in ICON:

- sole content of run/tolerance_reference for the tolerance test
- reference_dir variable in run/checksuite.icon-dev/check.atm_amip_update for the update test

The “Step by step guide” is an excerpt from the detailed description written by Remo Dietlicher (meteoswiss), see <https://gitlab.dkrz.de/icon/wiki/-/wikis/reference-generation-buildbot>

— [Monika Esch](#) 2022/08/18 08:35

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