intermitted OpenCL regressiontest failures

For at least a year there have been intermittent failures in OpenCL, typically observed on non-PME offloaded runs, often only a single x/f component being off, regularly already at step 0 (see example uploaded case).

It's been reproduced mostly with nbnxn_vsite and dd121 regressiontests on the AMD slave, but it is possibly related to position-restraints failures on Intel reported in #2974.

Related to GROMACS - Bug #2974: position-restraints regressiontest fails on intel GPU with OpenCL added
Related to GROMACS - Bug #2737: AMD OpenCl failes release build in complex tests added

History
#1 - 02/28/2020 07:59 PM - Szilárd Páll
- Related to Bug #2974: position-restraints regressiontest fails on intel GPU with OpenCL added

#2 - 02/28/2020 07:59 PM - Szilárd Páll
- Related to Bug #2737: AMD OpenCl failes release build in complex tests added

#3 - 03/02/2020 11:01 AM - Szilárd Páll
- Description updated

Files
Matrix_OnDemand_2245_OPTIONS=clang-8_simd=avx2_256_opencl-1.2_make-3.14.5_tidy_host=bs_gpu01_label=bs_gpu01_call-3.14.5_tidy_host=bs_gpu01_label=bs_gpu01_nbnxn_vsite-output.txt
32.3 KB 02/28/2020

Matrix_OnDemand_2245_OPTIONS=clang-8_simd=avx2_256_opencl-1.2_make-3.14.5_tidy_host=bs_gpu01_label=bs_gpu01_call-3.14.5_tidy_host=bs_gpu01_label=bs_gpu01_consoleText.txt
228 KB 02/28/2020

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