

Customer Release Notes

BCL Convert v3.10.11

INTRODUCTION

These Release Notes detail the latest release of BCL Convert, including known issues.

BCL Convert converts per cycle binary data output by Illumina sequencers containing basecall files and quality scores to per read FASTQ files.

FEATURES

No new features introduced in v3.10.11 patch.

RESOLVED ISSUES

- Fix for error loading ZIP bitstream for DRAGEN BCL, when downgrading from DRAGEN v4.0. When a SW install transitions between versions, and a different ZIP FPGA bitstream is loaded than the version in the newly installed SW, the 3.x software did not correctly detect the installed version leading to crash.
- Fix for a crash that can occur when using per-sample-settings with higher sample counts in a lane, due to a hash-table pre-sizing using a signed integer as input that is overflowed
- Fix issue where BCL assigns different basecall phred scores than bcl2fastq2, and does not mask low quality calls
- Reduce BCL demux memory usage below 64GB

KNOWN ISSUES

- If a directory is specified as input to '--sample-sheet', bcl-convert will hang at the beginning of a run while trying to copy that path as a file to <outdir>/Reports/SampleSheet.csv
- BCL Convert does not validate when "Logs" or "Reports" is provided for a Sample_Project, and the software will be unable to create the subdirectories if these string are provided.
- BCL Convert will not provided a warning or error when a corrupt bci lane file is found in strict or robust mode
- BCL Convert does not support the --first-tile-only option being specified for SP flow cells, but the new **-tiles** option can be used as a substitute.

RELEASE HISTORY

| Revision | Release Reference | Originator | Description of Change |
|----------|-------------------|--------------|-----------------------|
| 00 | 1083775 | Daniel Tracy | Initial release |