

**Note:** This Instrument Control Software release applies **only** to Onso systems.

## New features

- The sequencer now writes a new Run\_Quality\_Summary.csv file in the Metrics subdirectory of the output run folder. This file reports the following metrics for lane 1 and lane 2:
  - Projected % Clusters PF
  - Projected Reads PF (M)
  - Projected Yield (Gb)
  - Projected Raw Cluster Density (K/mm<sup>2</sup>)
  - % Q >= 40

## Fixed issues

- Addressed a problem where the sequencer diagnostic maintenance washes were incorrectly triggering failure notifications.
- Addressed a problem where the sequencer pre-run checks were incorrectly reporting pump calibration issues.
- Improved the drawer closing mechanism of the cluster generator to automatically re-open as soon as an obstruction is detected to minimize potential pinch hazards.

## Known issues

- The **Both** row of the Run\_Quality\_Summary.csv file incorrectly reports the aggregate **Projected Reads PF (M)** and **Projected Yield (Gb)** metrics as the average of the values for lanes 1 and 2 instead of the sum. The correct number of Reads PF (M) and Yield (Gb) for the flowcell can be calculated by adding the individual values for these metrics from each lane and read in the Total\_

**Note:** Contact your FSE (Field Service Engineer) or PacBio Technical Support to perform the Instrument Control Software installation.

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