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Solution

- When this problem occurs, SystemView may get stuck in a loop, where it continually tries to connect. Getting out of this loop will probably require shutting-down SystemView.
- o A likely cause of the problem is with Ozone, and its .jdebug file not having the line:
 - Project.SetRTT(0);
- o The study-guide's <u>Cheat-Sheet</u> has more info on running Ozone and SystemView.

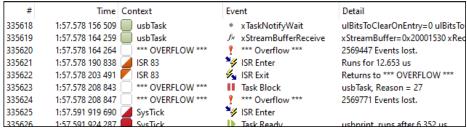
4.2 SystemView problem: Recorder reports overflow

• Problem:

- When the SystemView Recorder is run, it may report overflow. With overflow, some events are not sent to the SystemView app on the host.
 - Pop-up message: "SystemView overflow events recorded"

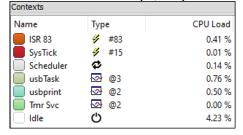


■ The Events List window shows where overflow occurs, and its extent.



o Overflow can cause SystemView calculations to be incorrect

• For example, I suspect CPU usage was less than %100 for this test, due to overflow:



Solution #1: Segger's info on fixing overflow

- o Wiki
 - Note: does not provide much info
 - https://wiki.segger.com/SystemView_Overflows
- o SystemView User Guide
 - "Overflow events occur when the SystemView RTT buffer is full. This can happen for following reasons:
 - *J-Link is kept busy by a debugger and cannot read the data fast enough.*
 - The target interface speed is too low to read the data fast enough.
 - *The application generates too many events to fit into the buffer.*
 - To prevent this:
 - Minimize the interactions of the debugger with J-Link while the target is running.