

1 SEGGER_SYSVIEW_Pi

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4.3 SystemView problem

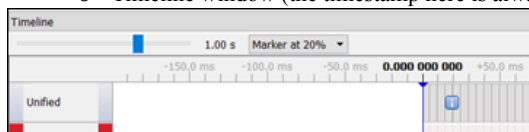
4.4 SystemView bug: dc

4.5 Console output for a

Events List window:

#	Time	Context	Event	Detail
0	16:46.579 973 167	Idle	Start	
1	16:46.579 978 995	Idle	Init	Cycle Freq: 216000000, C
2	16:46.579 987 185	Idle	System Descri...	N=FreeRTOS Demo App

Timeline window (the timestamp here is always in "recording time"):



- How timestamps are synchronized between the three windows
 - The Timeline window's timestamp is always shown in the Event List. So, if the Timeline window is scrolled, the Event List window is scrolled.
 - However, when the Timeline window is scrolled, the Terminal window is not necessarily scrolled. So, the Terminal window can show a different time-frame than the Timeline and Events Lists windows.

2.2 The Terminal window

- The Terminal window lists messages from the running program, generated with `SEGGER_SYSVIEW_PrintfHost()`.
- Clicking on a line (event) in the Terminal window will cause the same event to be shown in the other two windows.
- The event shown in the other two windows is labeled by a blue rectangular icon with the letter "i"
 - Terminal window:

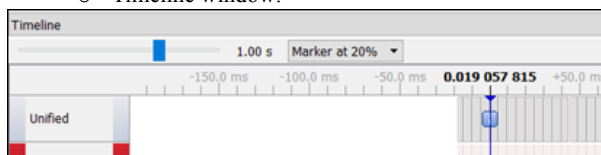
Terminal

Time	Context	Message
0.019 057 815	TaskB	FAILED to receive semphr in time
0.019 069 843	TaskB	attempt to take semPtr

Events List window:

#	Time	Context	Event	Detail
57	0.019 057 815	TaskB	Log	FAILED to receive semphr in time
58	0.019 069 843	TaskB	Log	attempt to take semPtr

Timeline window:



2.3 Events List window

- Clicking on an event, in the Events List window
 - In the Timeline window, moves the window so that the marker is at the event's timestamp
 - In the Terminal window, if the event clicked-on is a message, the window is moved to show that event. If the event-clicked-on is not a message, the window is not moved.
- Explanation of the Context column's color-scheme
 - In the Context column, each row has a colored box and a task name
 - The SystemView user-guide does not appear to describe the boxes' coloring-scheme. This is what it appears to be:
 - The two types of box colors are: one solid color, or two colors
 - A solid-colored box indicates that only the named-task is running at the timestamp
 - Two colors indicates there is a transition from the task named in the prior row, to the task named in the current row
 - Examples of the boxes' color-scheme, for the two figures below:
 - In the Event List, event #11477 was clicked on, and its row is highlighted
 - In the Timeline, that event is indicated by the vertical blue line.
 - In the Event List:
 - At event #11477, only the BlueTask task is running, so the Context column's box is solid green. In the Timeline, the BlueTask task is also colored green.
 - At event #11475, only the SysTick task is running, so the Context column's box is