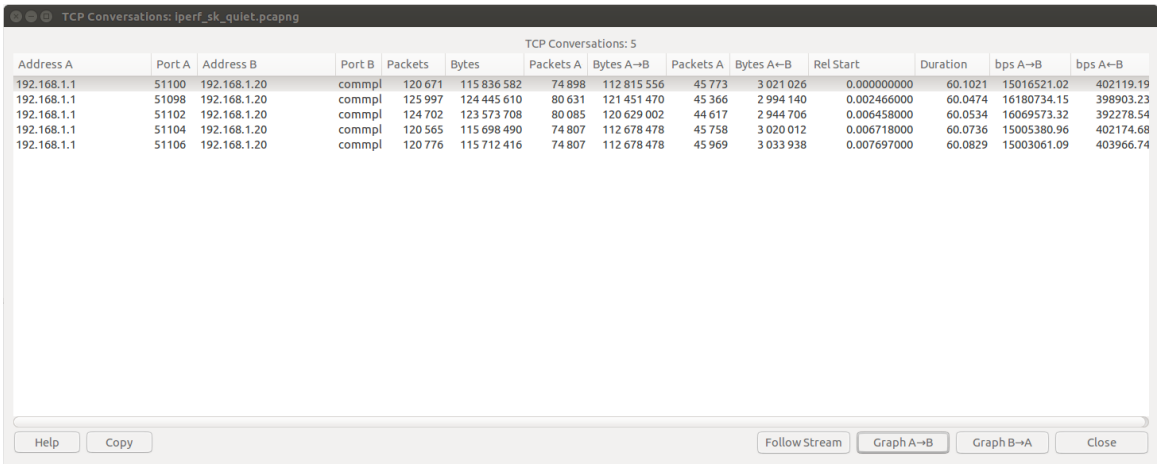
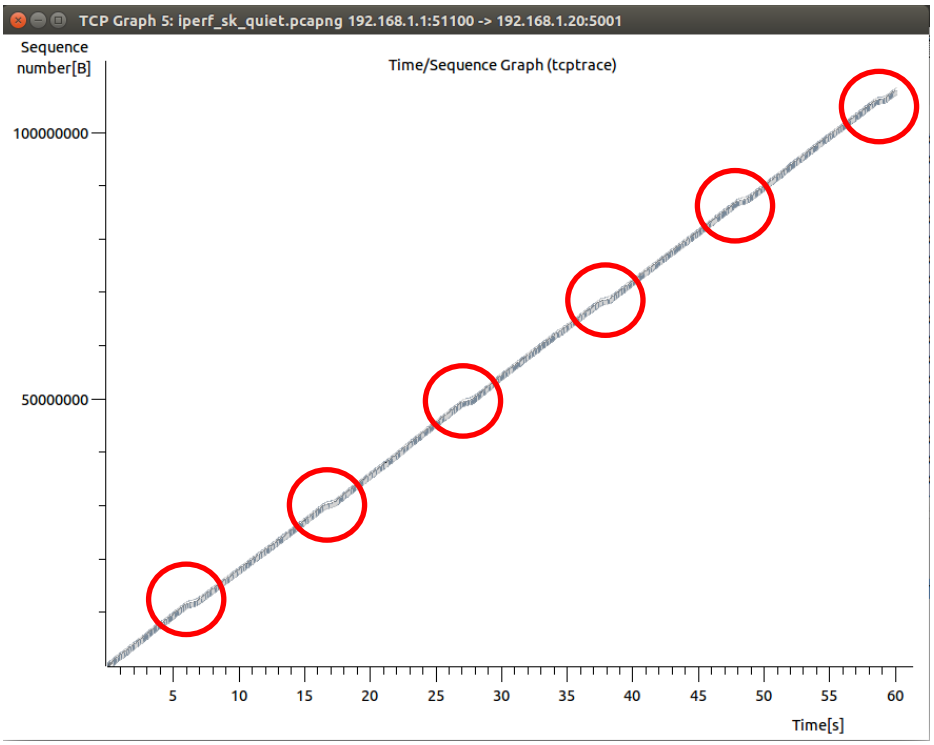
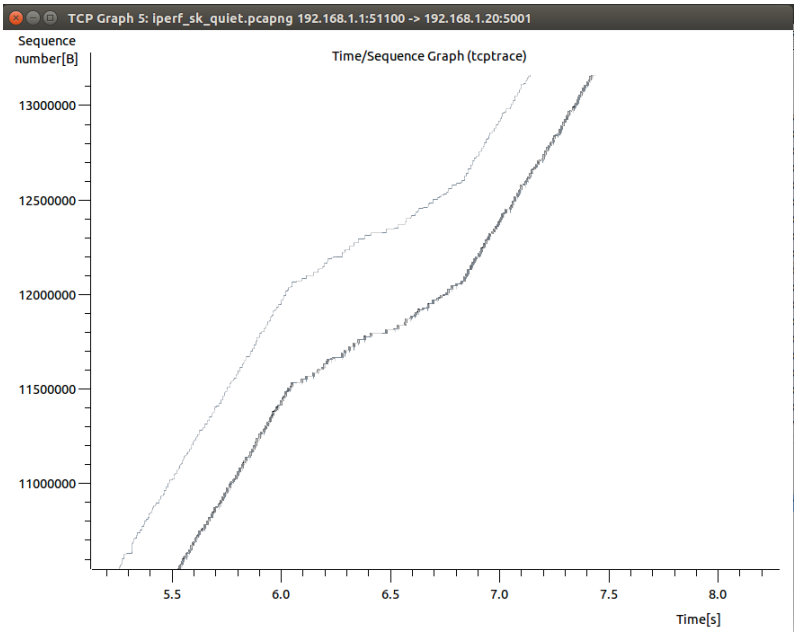
Here are the TCP conversations window from the provided wireshark capture that shows the 5 iperf threads between the link partner and the SK board.



The time graph for the first thread since it had a lower total BW measurement. The circles in the graph highlight some subtle flat portions that look to affect BW.

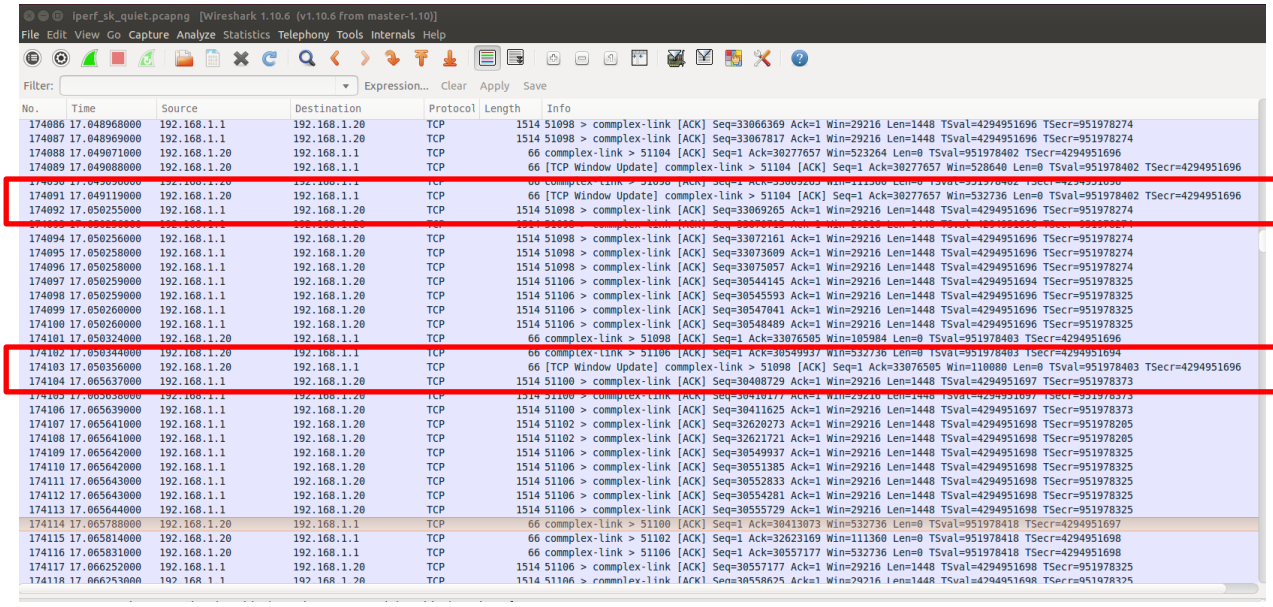


Using a drag box zoom, you can zoom in on a flat portion of the traffic. You can point and click on the graph to select the actual traffic in the main wireshark window.



One of the locations referenced in the time sequence graph. One thing that catches your eyes is a TCP window adjustment from the iperf server that seems to affect the timing of the next packet coming from the client. This delay is over a milli-second and when compared to the rest of the packet traffic the packets are separated by less than a uS.

When running the iperf test on another machine I noticed I do not have window adjustment packets where the customer provided one has several. My setup uses a Linux Ubuntu setup through a Gb switch to a am335x-evmsk.



Here the filter is set to look for window update messages. The filter was gotten from the wireshark website that provides possible filters to use. When I run the test on my machine I don't see any window update messages, while I see good throughput.