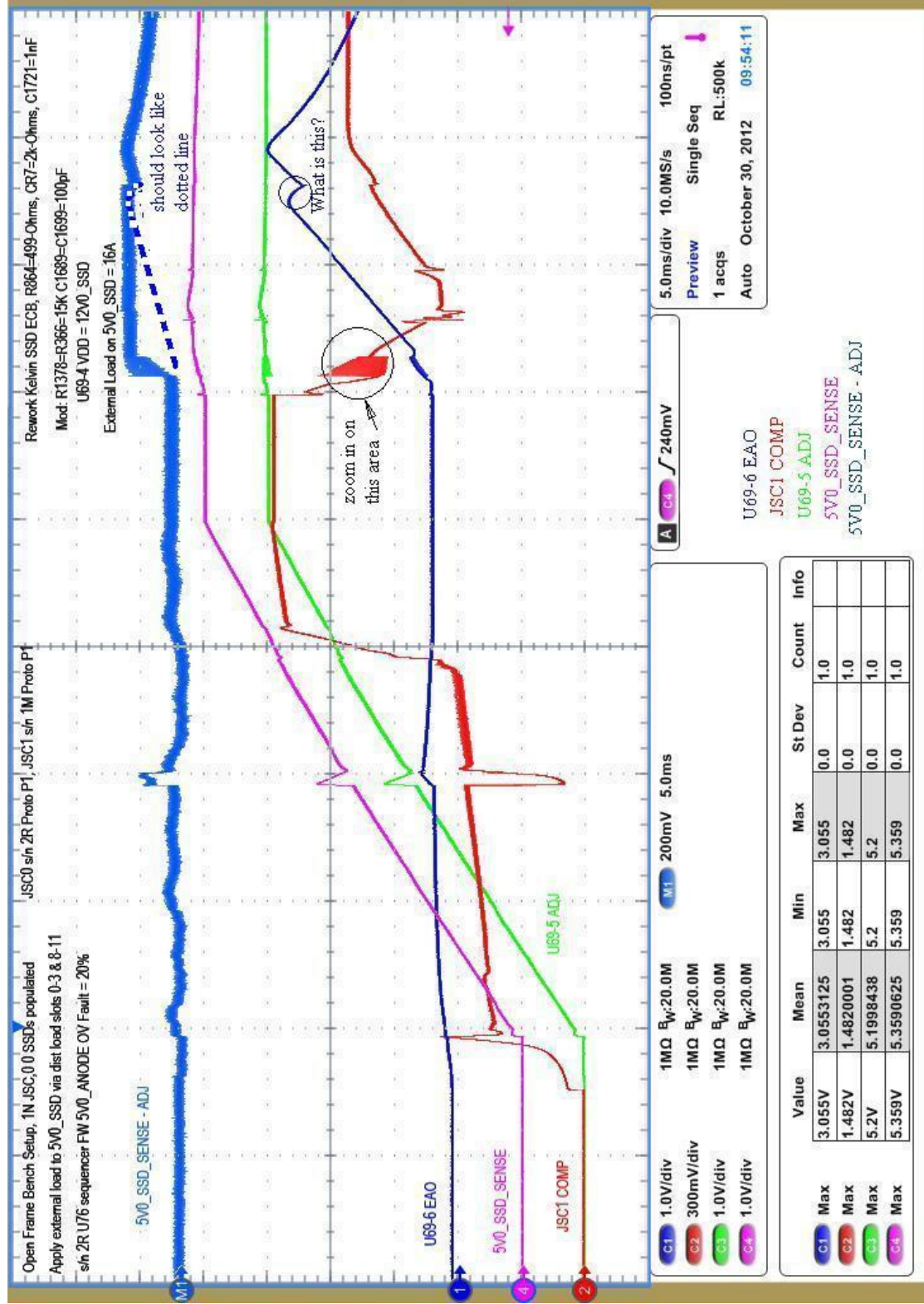




There is an oscillation within the loop that needs to be investigated.

5V0_SSD_SENSE - ADJ should rise steadily with the rise on EAO. Instead, it clamps at ~140mV. With EAO at its peak of ~3V, 5V0_SSD_SENSE - ADJ should be at ~3V*24.9-Ohms/500-Ohms = 149mV which is correct at the peak, but incorrect as EAO ramps up.

EAO rise ~ 0.85V/2.5ms = 0.34V/ms
 EA Max current = 0.85mA typical
 C-EAO = 2.2uF
 I-EAO calculated = 2.2uF*0.34V/ms = 0.748mA close agreement to confirm slew rate limited operation

What is this: The EA is running slew rate limited and transitions to linear operation perhaps?