

FINDER Input Studies

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Test Setup: ANSLEY cable is being driven by ANSLEY Driver test board. Data enters finder via the Finder Transition Module. Data is being driven with a pattern generator at 20 ns.

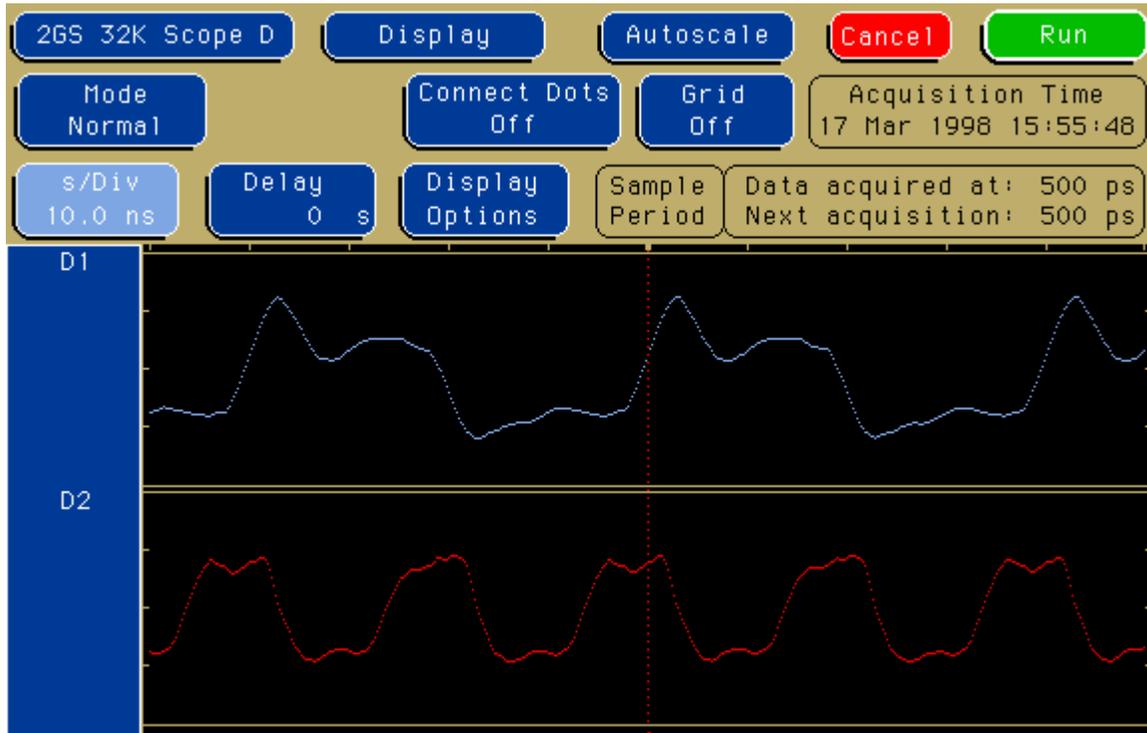


Figure1. Alternating data (20ns) being pumped up ANSLEY Cable from ANSLEY Driver board, through the Finder SL1/3 Transition Module, and into Finder. SL3 C data. Channel 1 is raw data at register input, Channel 2 is the clock used to register data.

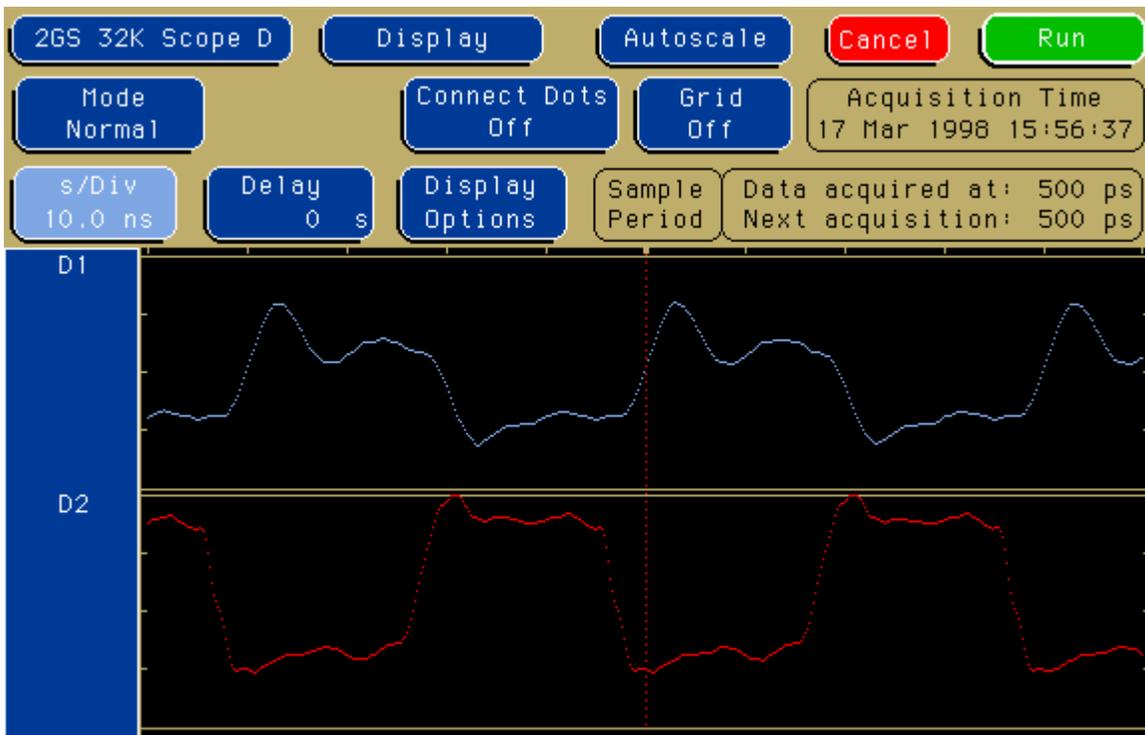


Figure2. Alternating data (20ns) being pumped up ANSLEY Cable from ANSLEY Driver board, through the Finder SL1/3 Transition Module, and into Finder. SL3 C data. Channel 1 is raw data at register input, Channel 2 is the registered data.

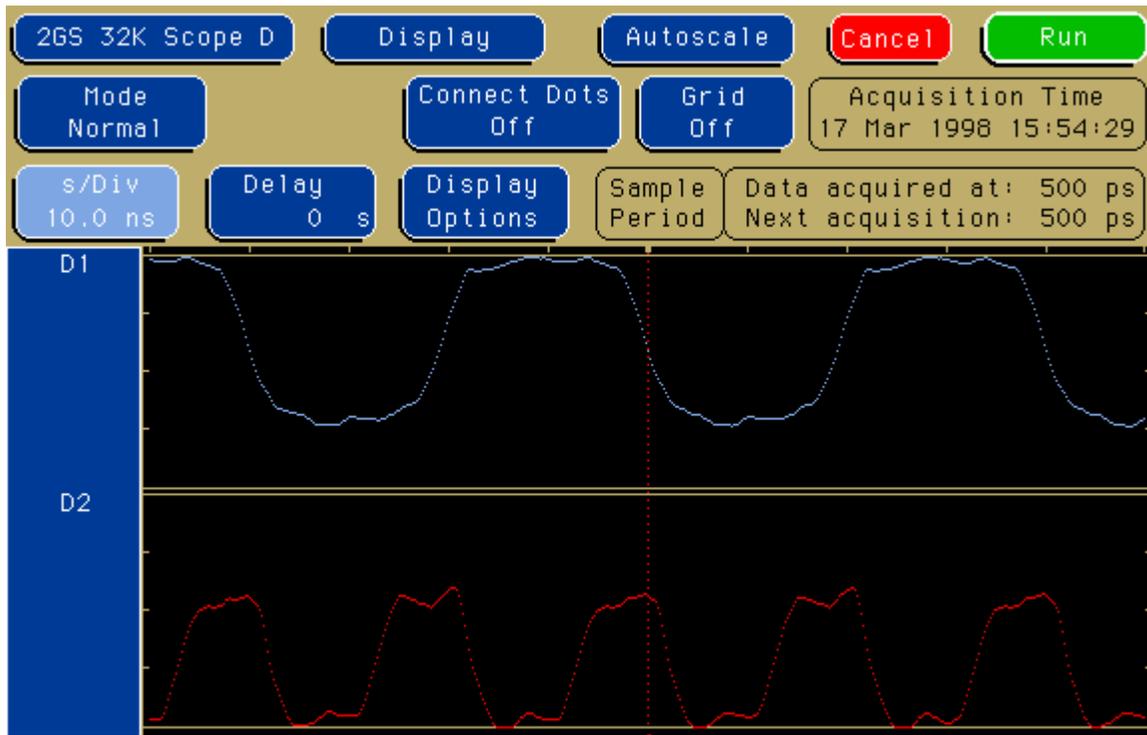


Figure3. Alternating data (20ns) being pumped up ANSLEY Cable from ANSLEY Driver board, through the Finder SL1/3 Transition Module, and into Finder. SL3 C data. Channel 1 is raw data at register input, Channel 2 is the clock used to register data.

Onboard termination SIPS used.



Figure4. Alternating data (20ns) being pumped up ANSLEY Cable from ANSLEY Driver board, through the Finder SL1/3 Transition Module, and into Finder. SL3 C data. Channel 1 is raw data at register input, Channel 2 is the registered data.

Onboard termination SIPS used.

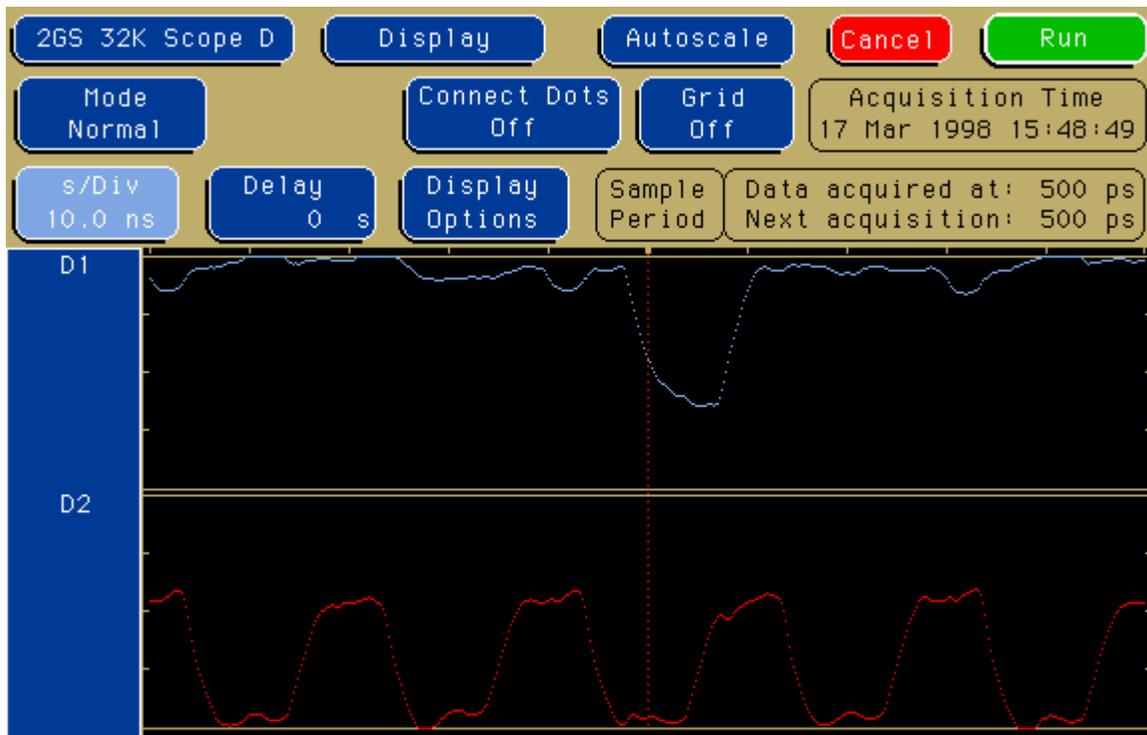


Figure5. Data is a single “zero” in a field of 2000 “ones” (20ns) being pumped up ANSLEY Cable from ANSLEY Driver board, through the Finder SL1/3 Transition Module, and into Finder. SL3 C data. Channel 1 is raw data at register input, Channel 2 is the clock used to register data.

Onboard termination SIPS used.



Figure6. Data is a single “zero” in a field of 2000 “ones” (20ns) being pumped up ANSLEY Cable from ANSLEY Driver board, through the Finder SL1/3 Transition Module, and into Finder. SL3 C data. Channel 1 is raw data at register input, Channel 2 is the registered data.

Onboard termination SIPS used.

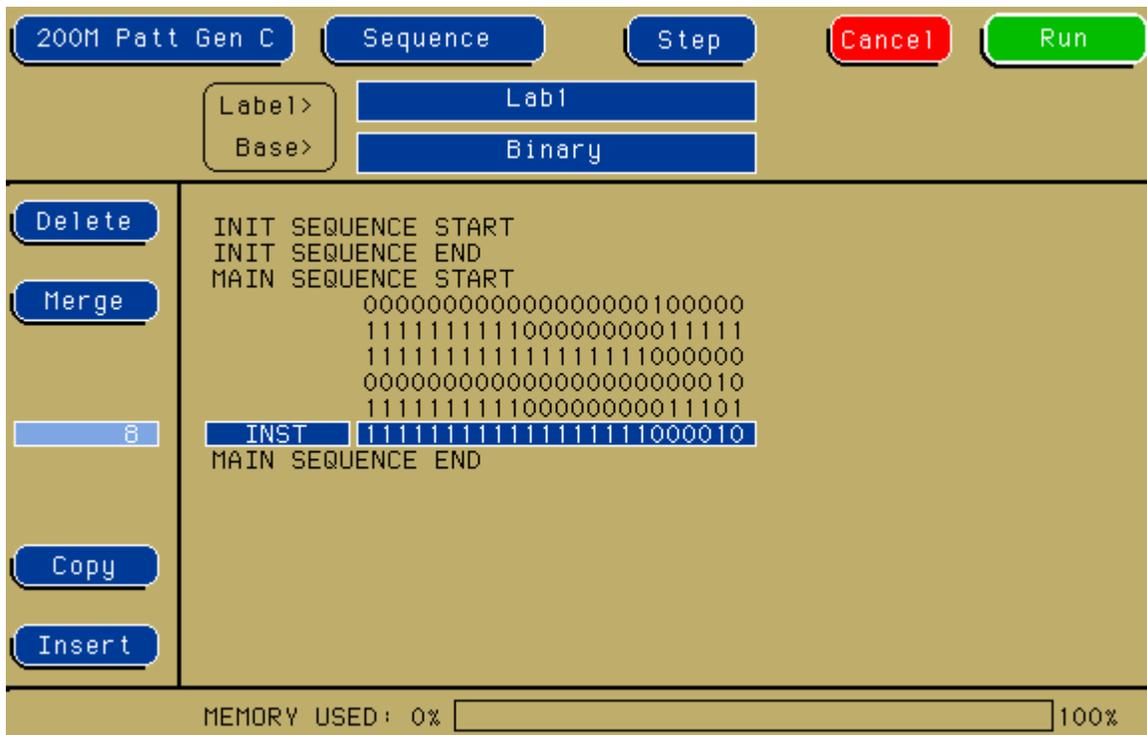


Figure 7. Pattern Generator Setup to send alternating data to the Finders.

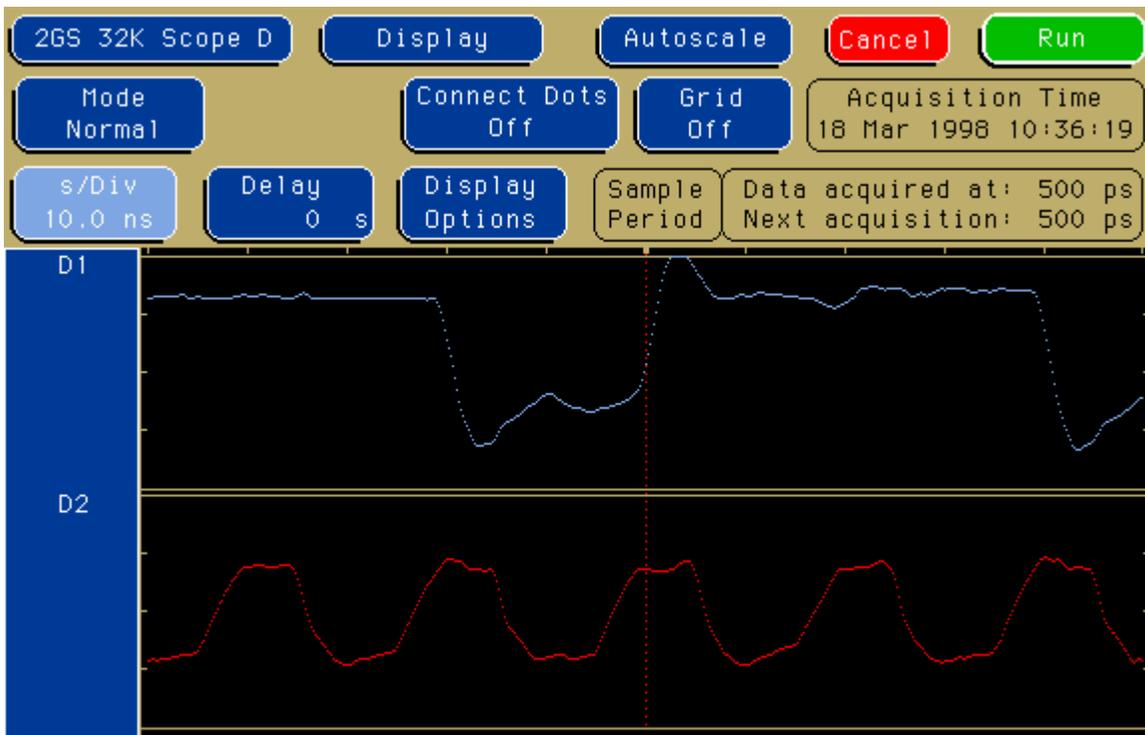


Figure 8. Data input to the Alignment section.

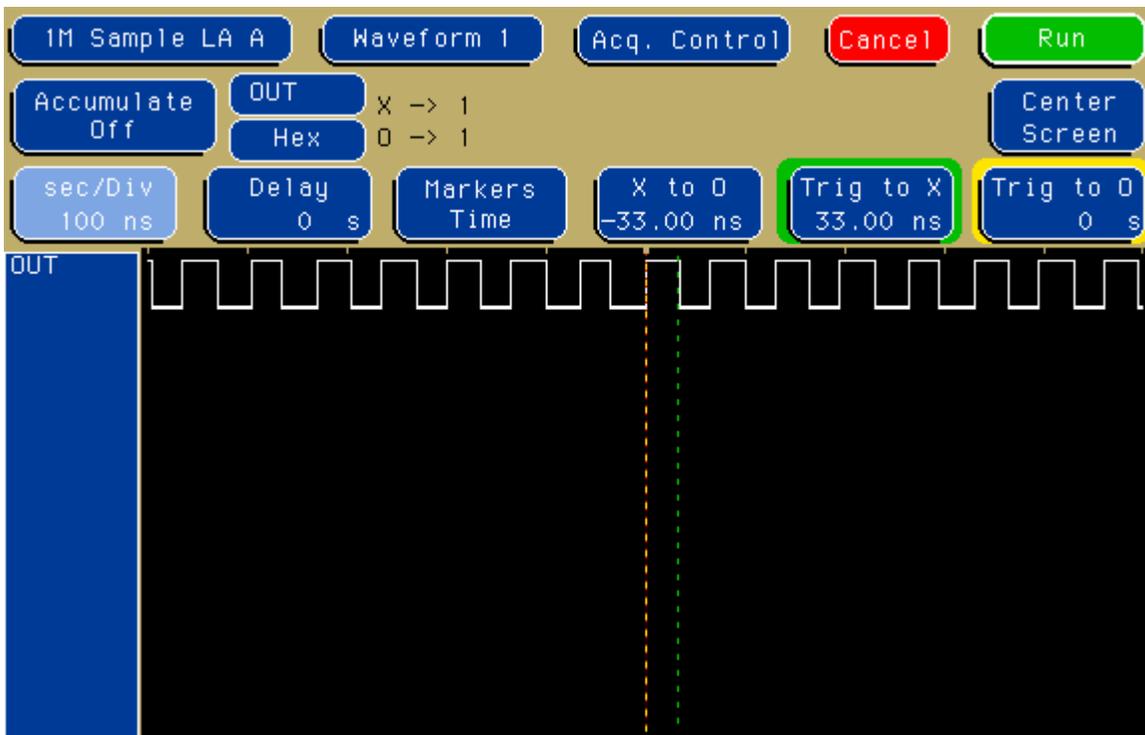


Figure 9. Data output of the alignment section.