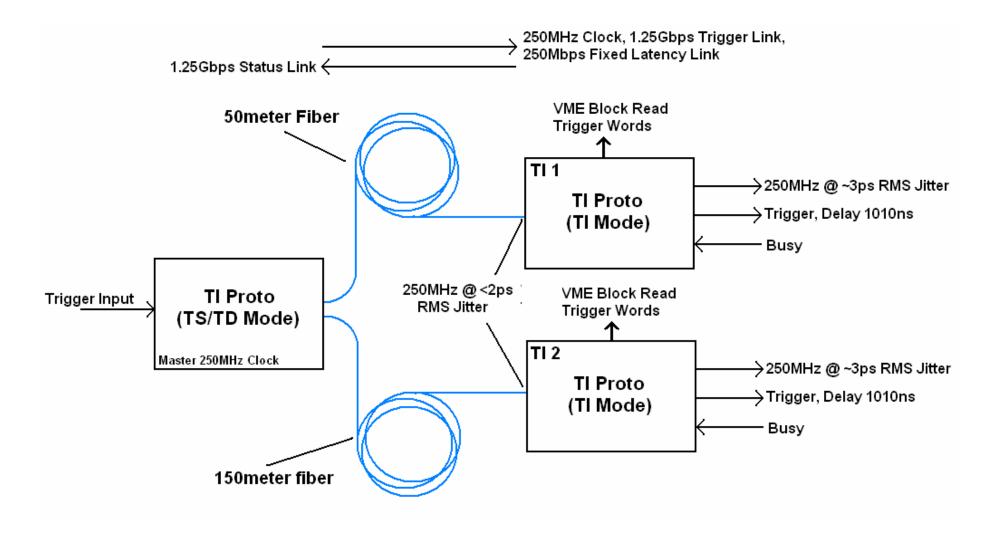
# Trigger/Clock Distribution Prototype Status

Ben Raydo
Ed Jastrzembski
Jeff Wilson

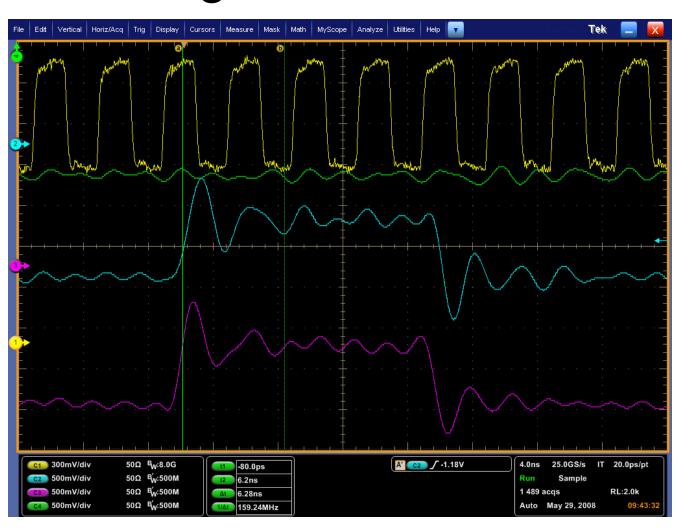
#### Test Setup

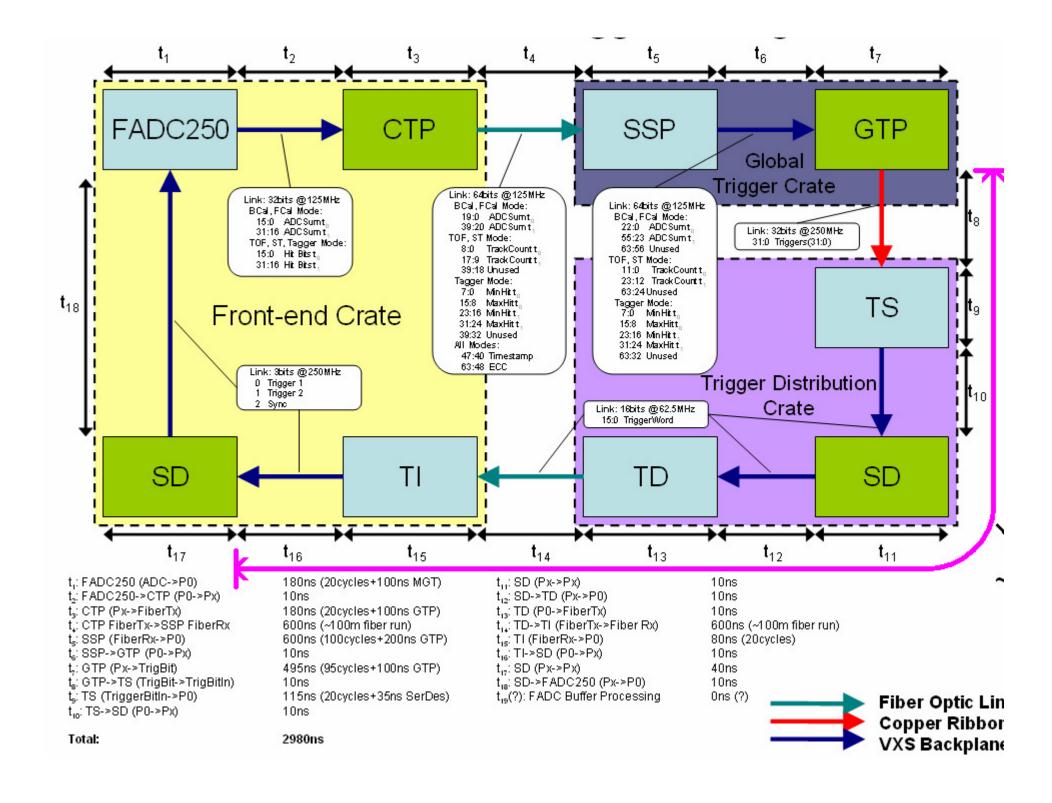


### Trigger Distribution Delay



# Triggers Arrive Simultaneously on Different Crates with Different Length Fiber Cable

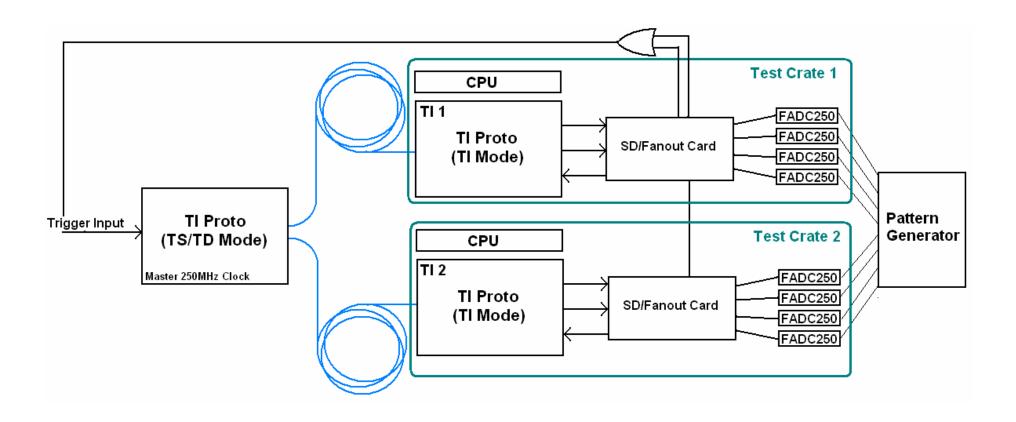




### Trigger Latency Adjustment

- Trigger/Clock Distribution Prototype acheives 1010ns latency with maximum 150meter length fiber
- 3µs Trigger Timing Diagram assumes maximum 100meter length fiber in trigger system (to Tagger)
- Adjusting for ~250ns added latency from the extra 50meter fiber puts the Trigger Distribution Latency at ~760ns (~100ns faster than Trigger Timing estimate)

## TI Proto in Test Stand Setup



### 1.25Gbps Trigger Link

