

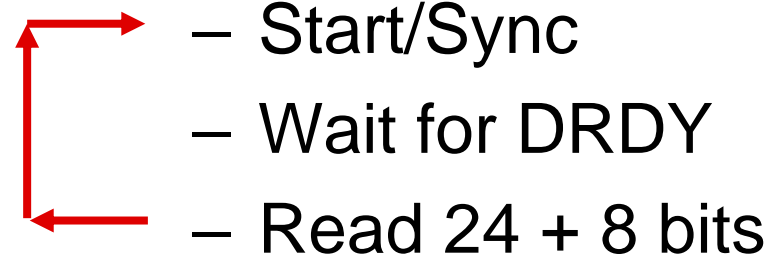
ADS1220 Single Shot Mode

Art Kay

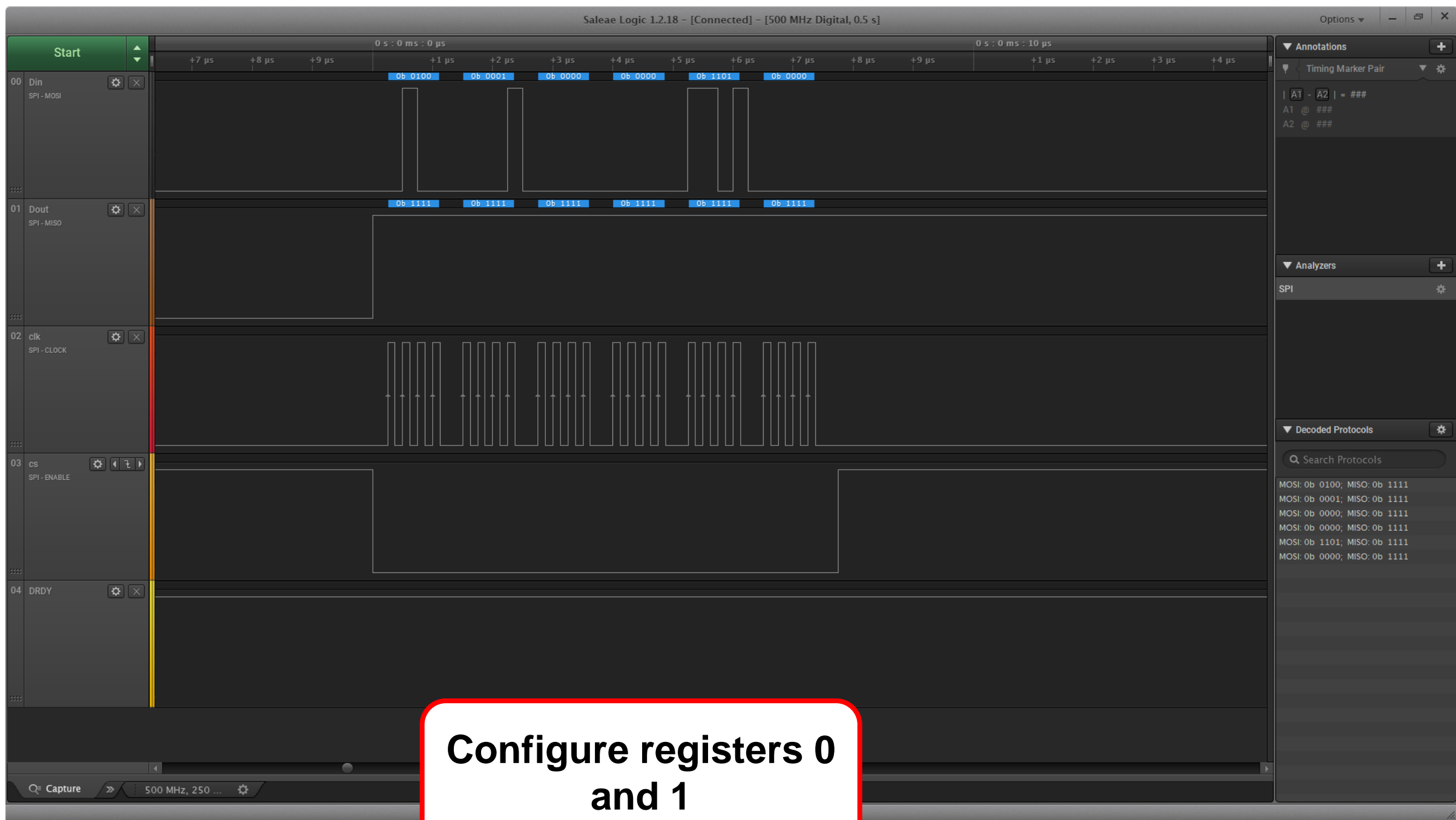
1-31-2022

Sequence of Writes

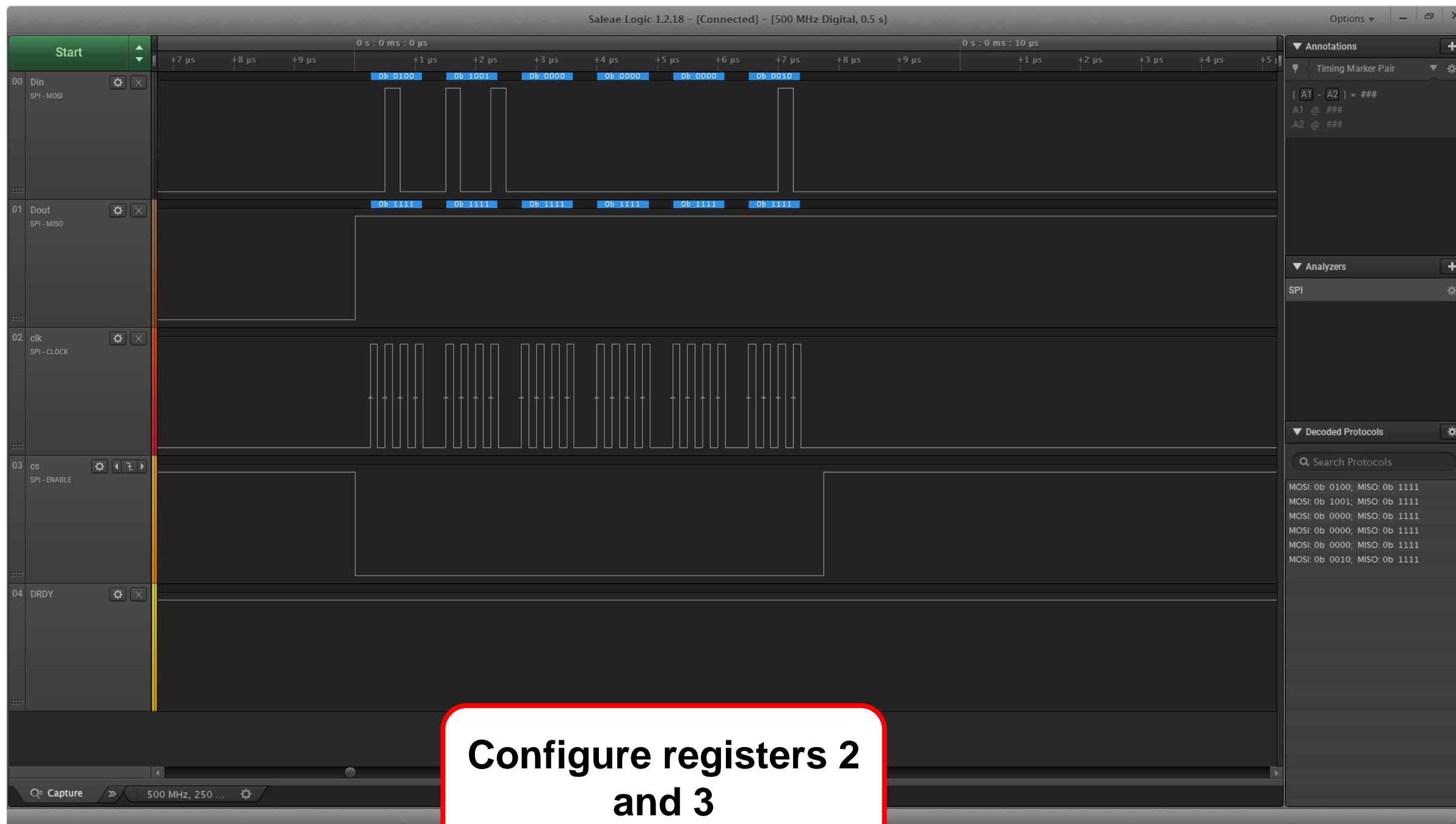
- WREG: registers 0 & 1: DR 2000sps, Turbo mode, Single shot
- WREG: registers 2 & 3: DRYDM = 1



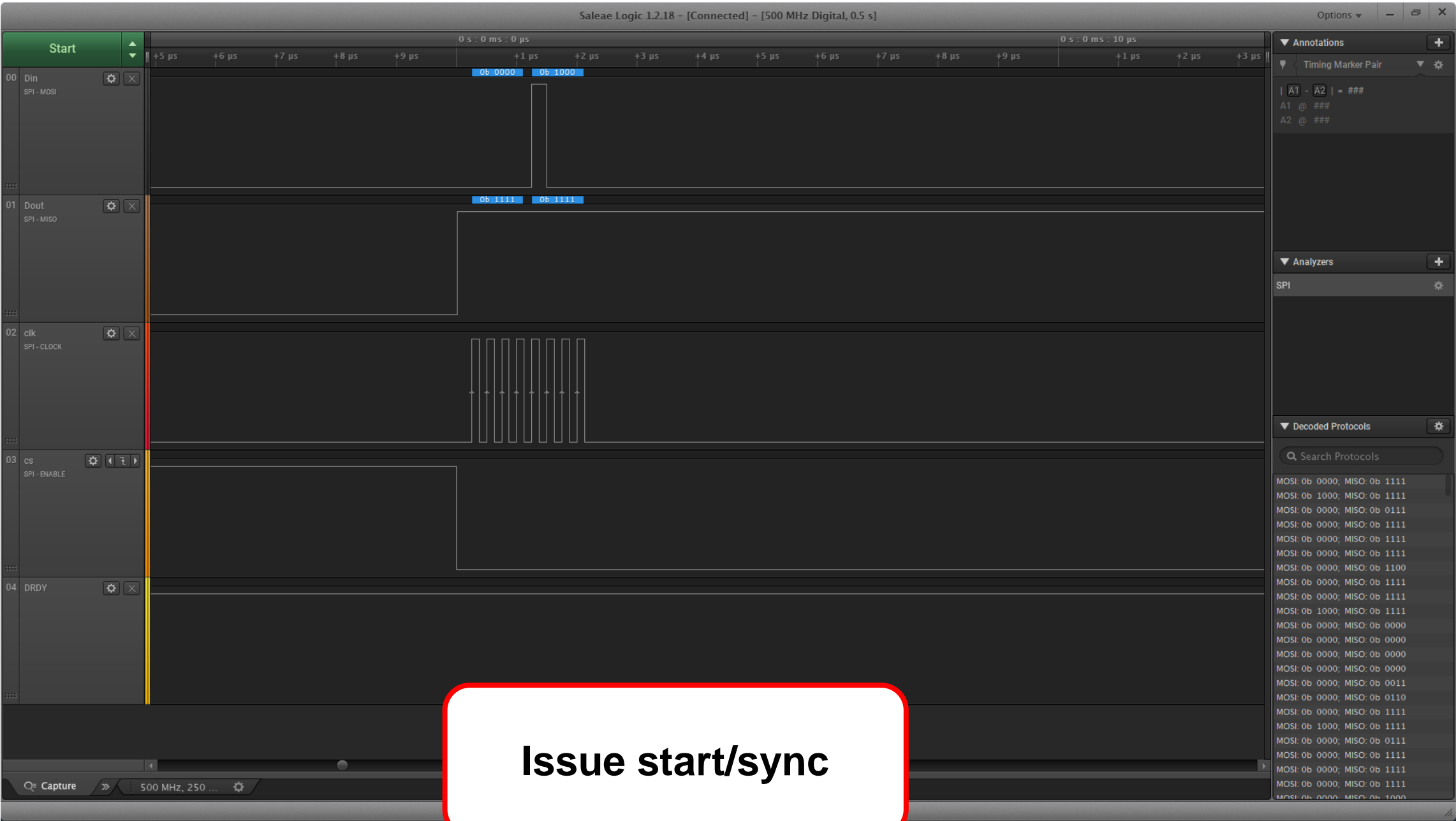
WREG: registers 0 & 1: DR 2000sps, Turbo mode, Single shot



WREG: registers 2 & 3: DRYDM = 1

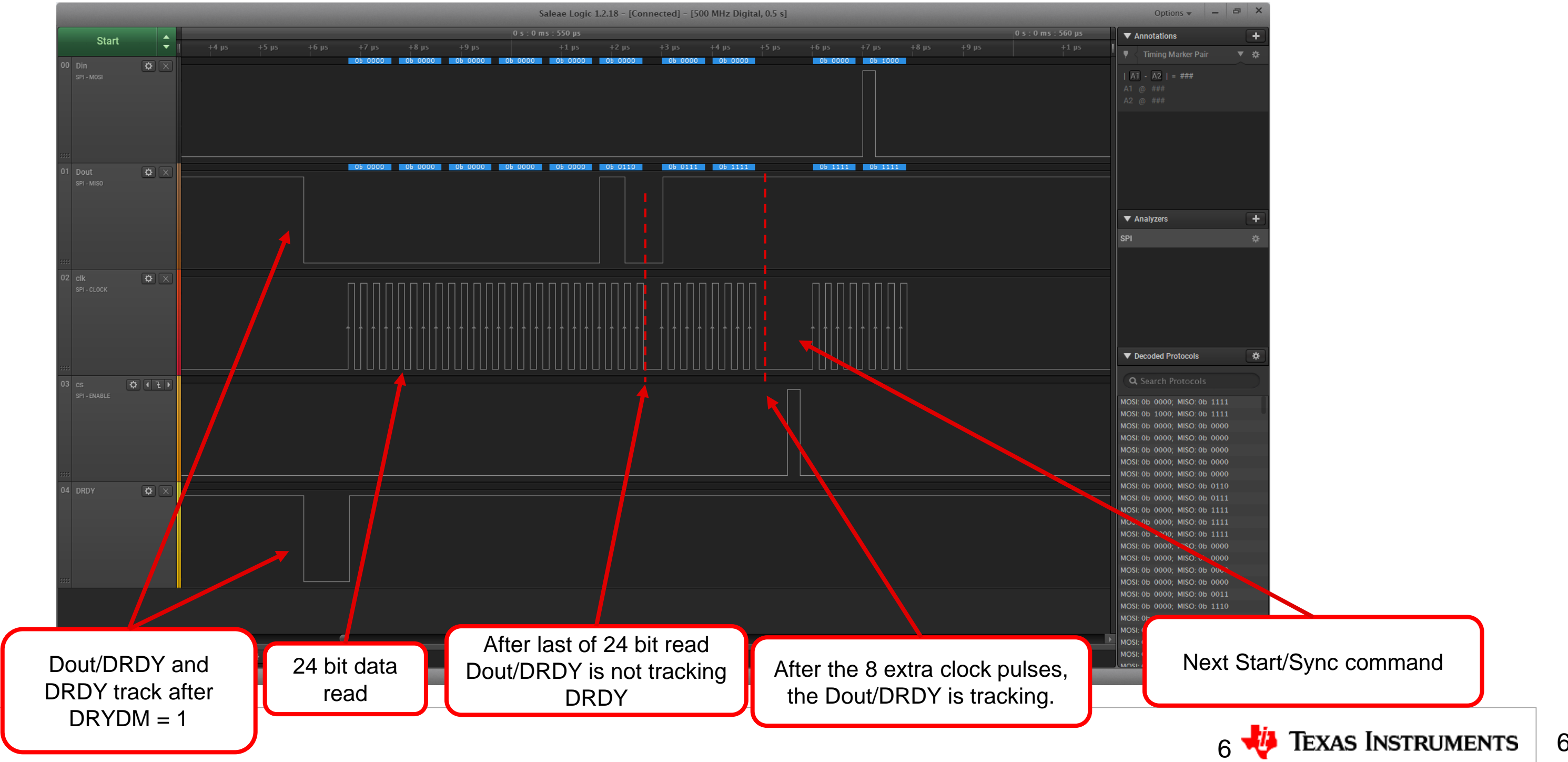


Start/Sync



Issue start/sync

Wait for DRDY, Read 32 bits, Raise CS after

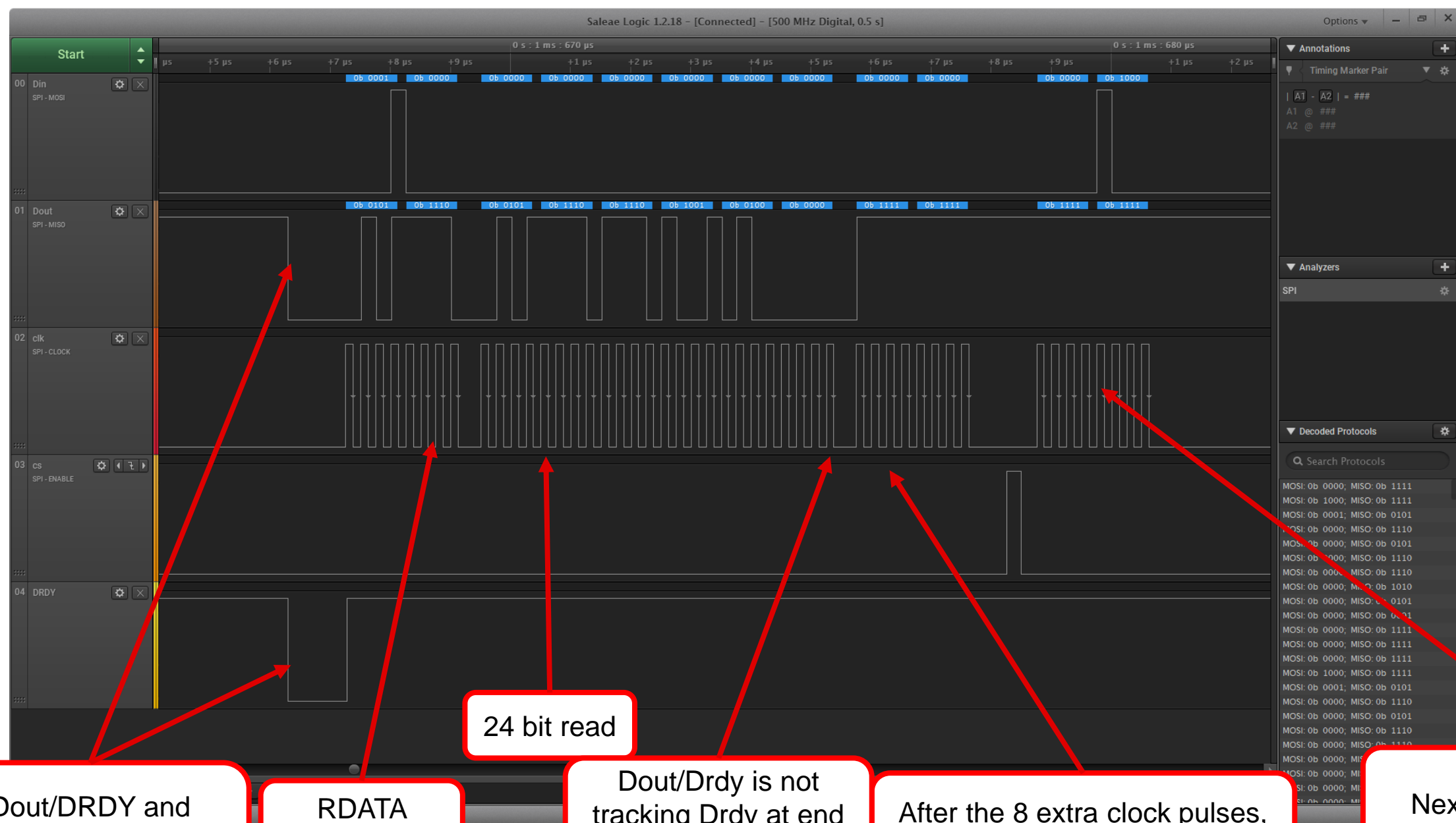


Sequence of Writes and RDATA

- WREG: registers 0 & 1: DR 2000sps, Turbo mode, Single shot
- WREG: registers 2 & 3: DRYDM = 1

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- Start/Sync
 - Wait for DRDY
 - Read Data Command, followed by 24 bit read + 8 bit

RDATA command



Dout/DRDY and
DRDY track after
DRYDM = 1

RDATA command

24 bit read

Dout/Drdy is not tracking Drdy at end of 24 bit read

After the 8 extra clock pulses,
the Dout/DRDY is tracking.

Next Start/Sync command