



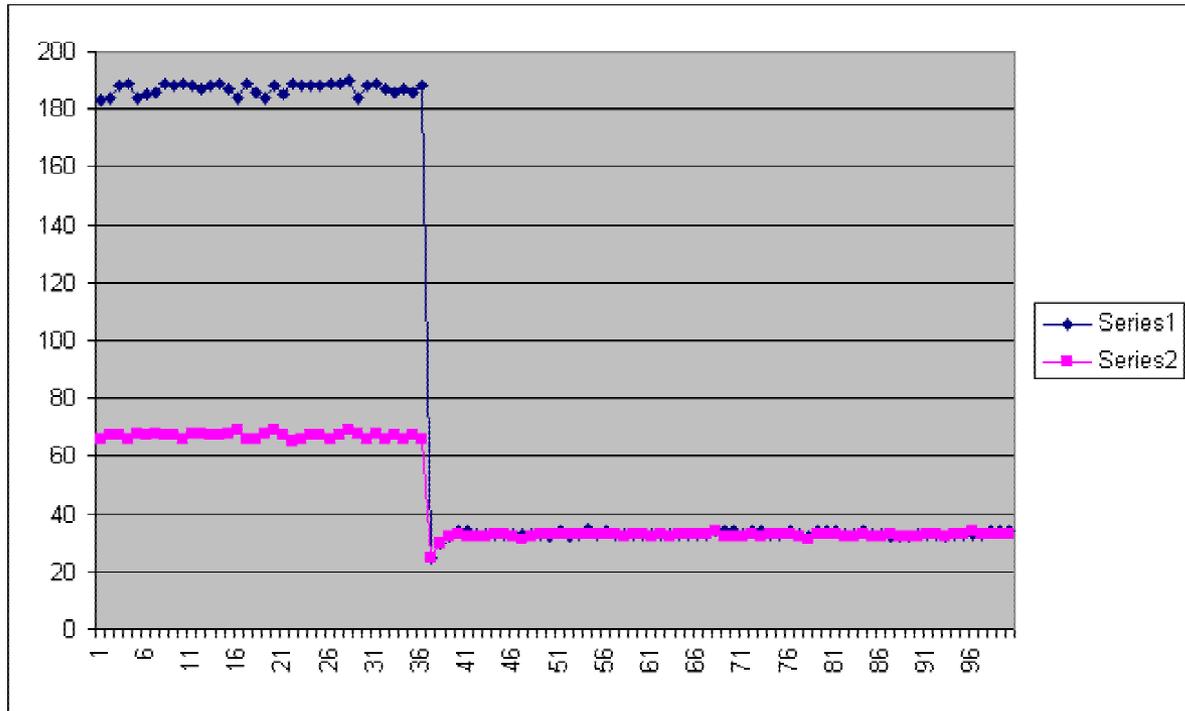
Full chain tests

Andrei Nomerotski, 3/30/2005



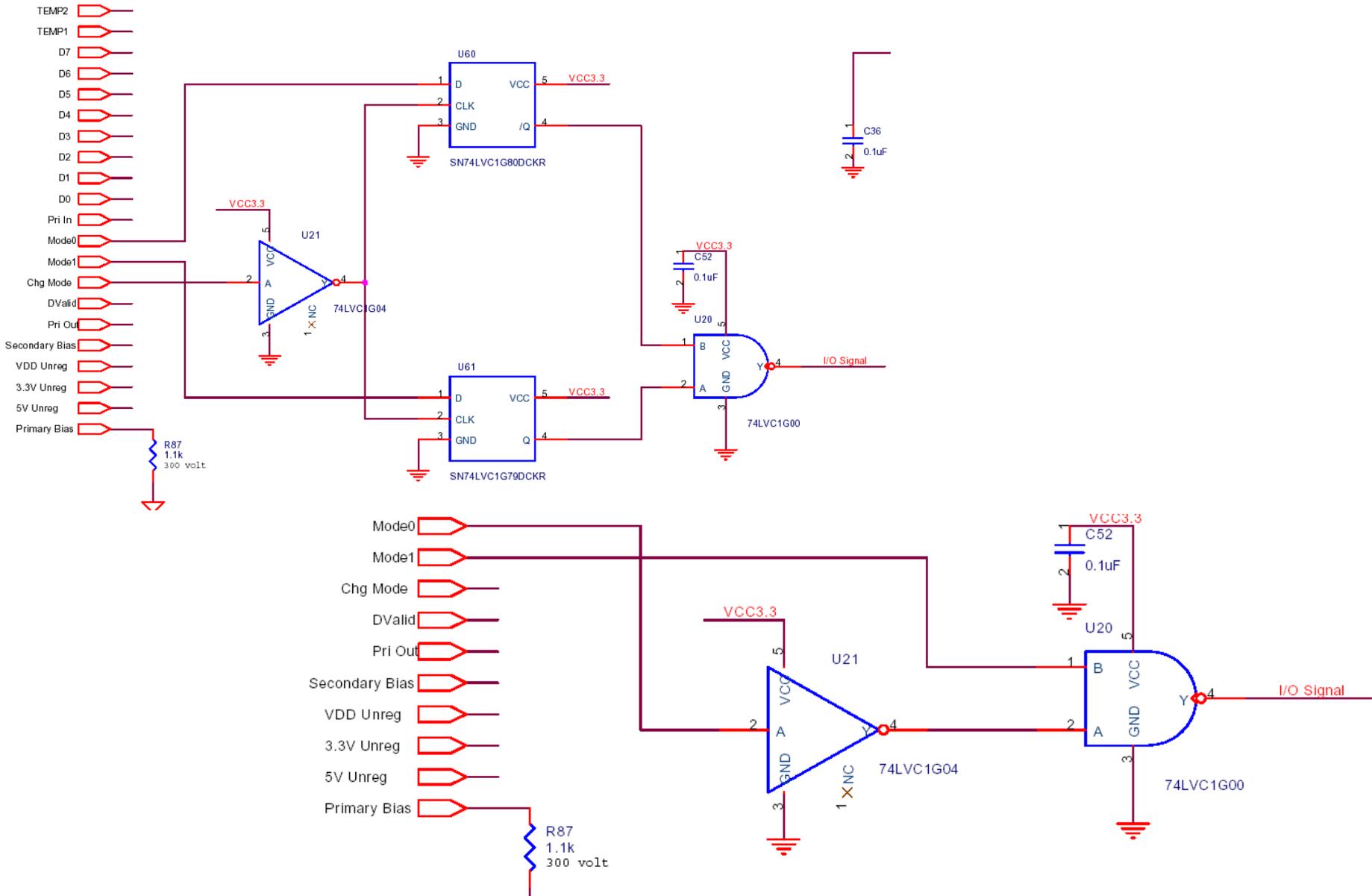
New AC: FE collapse

- After ~ 37 events in this case



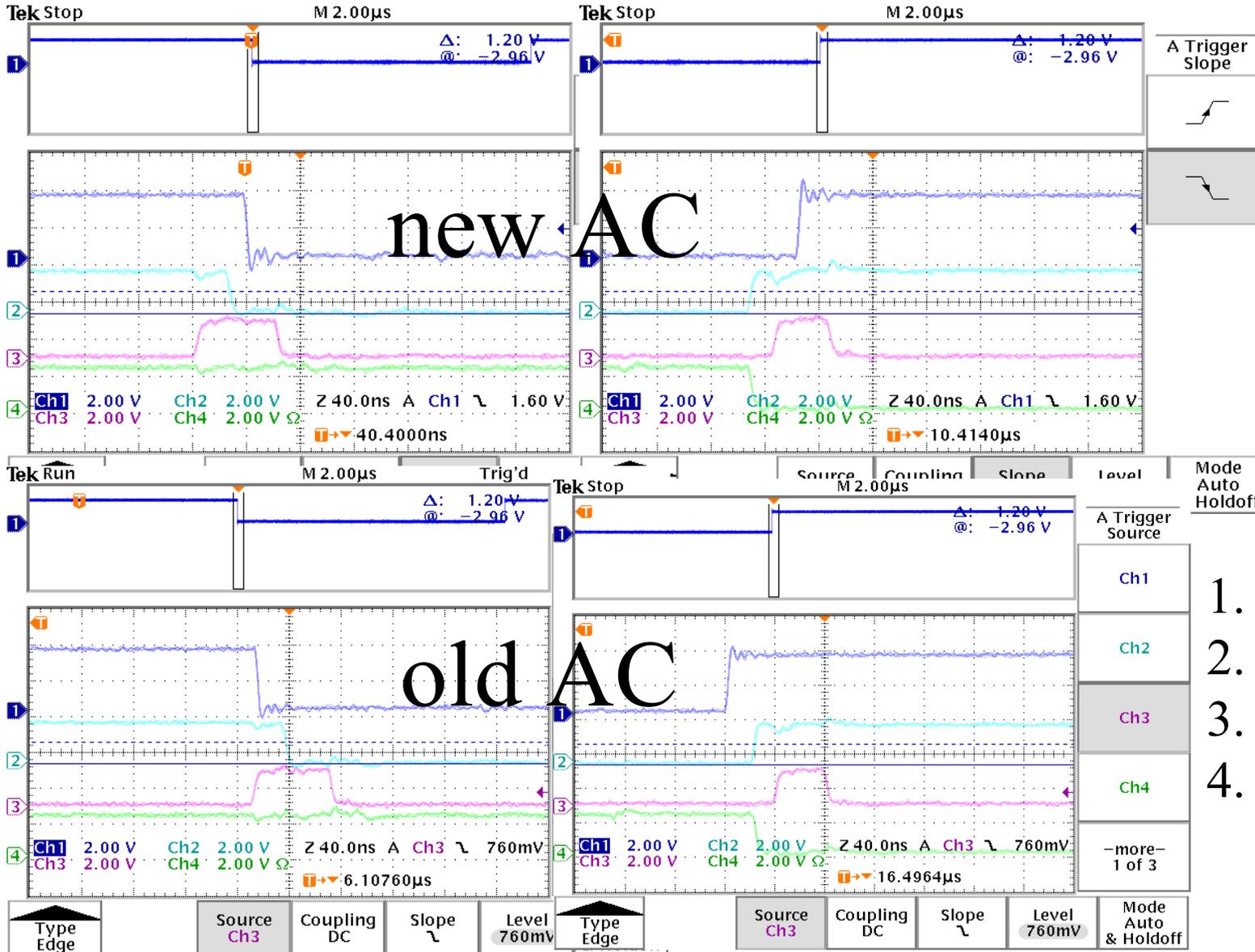


Old AC → new AC





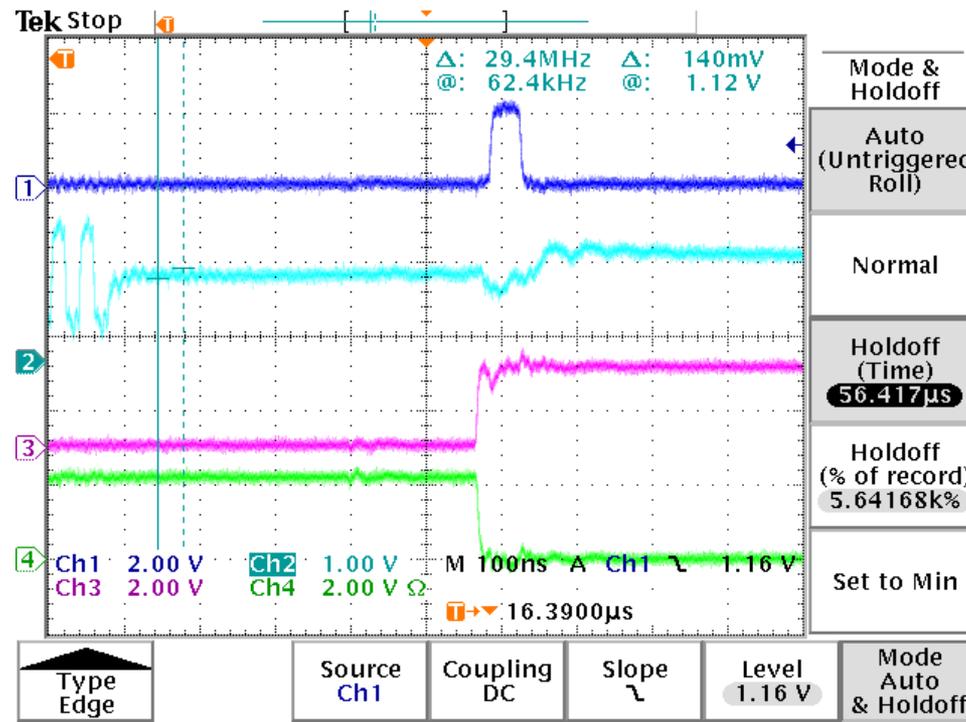
DIR : new AC vs old AC





L1A

- SVX4 goes to Acquire after Readout
- Data5 line is interpreted as L1Accept
- SVX4 stores charge in a cell
- This cell does not have the corresponding PRD2 which frees it up
- All cells are consumed after ~ 40 triggers = **PROBLEM**

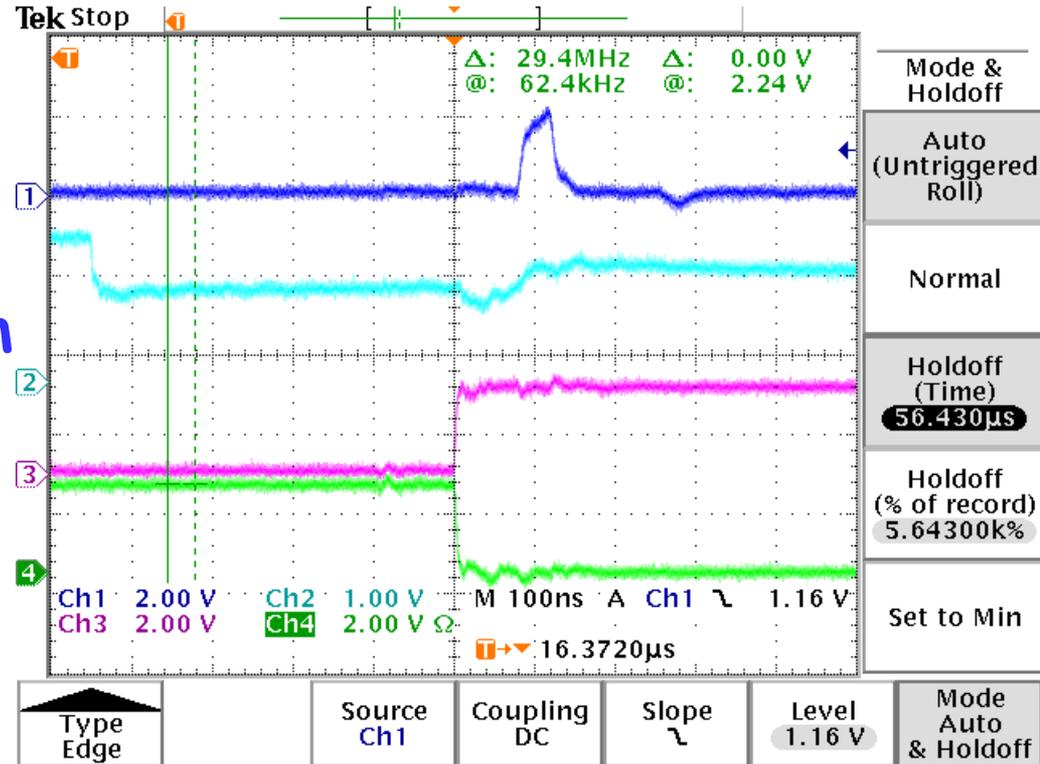


1. CHMOD
2. Data5
3. MOD1
4. MOD0



Temporary fix

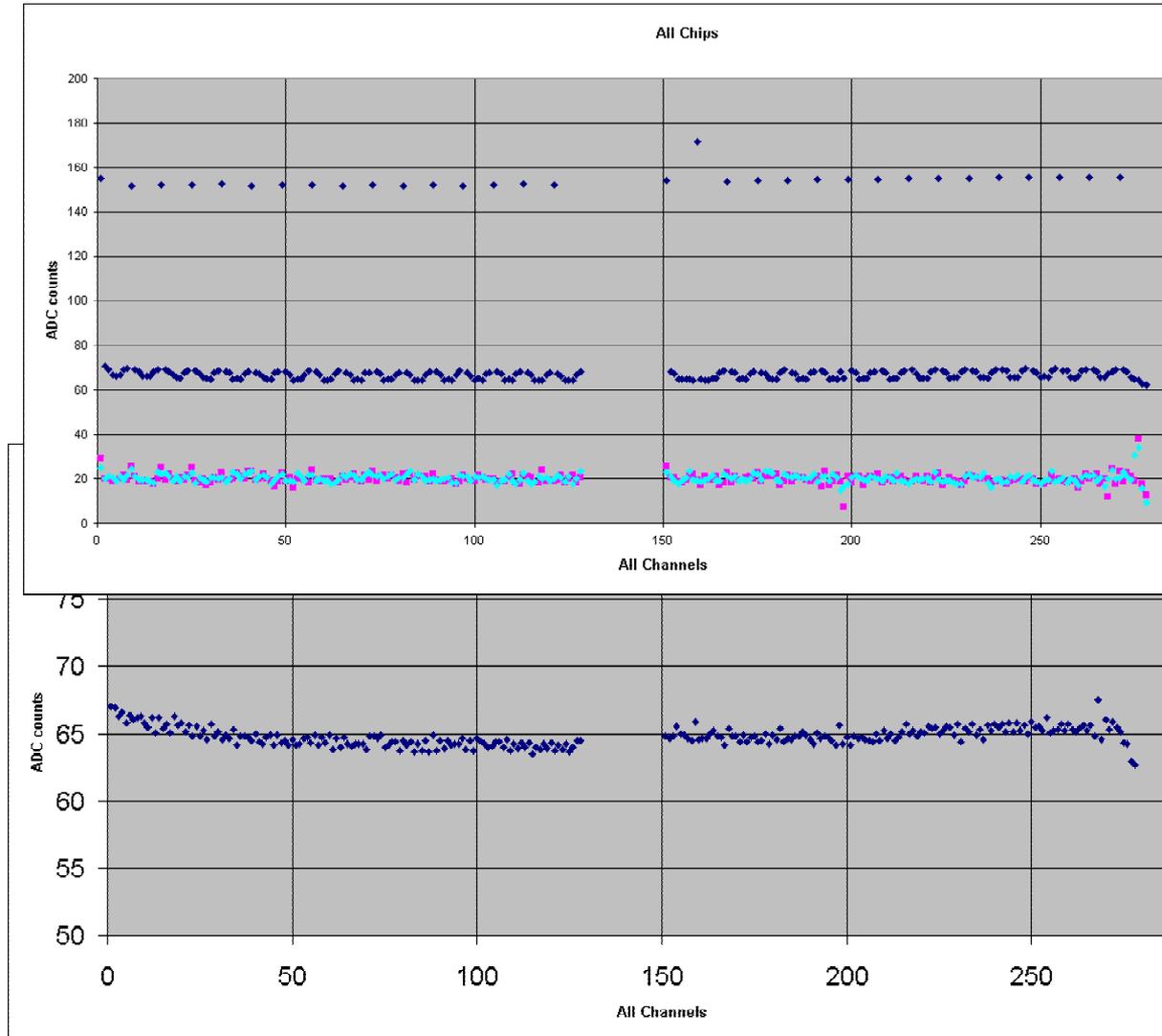
- Delay CHMOD without delaying DIR
- Kludged 64 ns delay
- This fixed the problem





LO Module with full chain

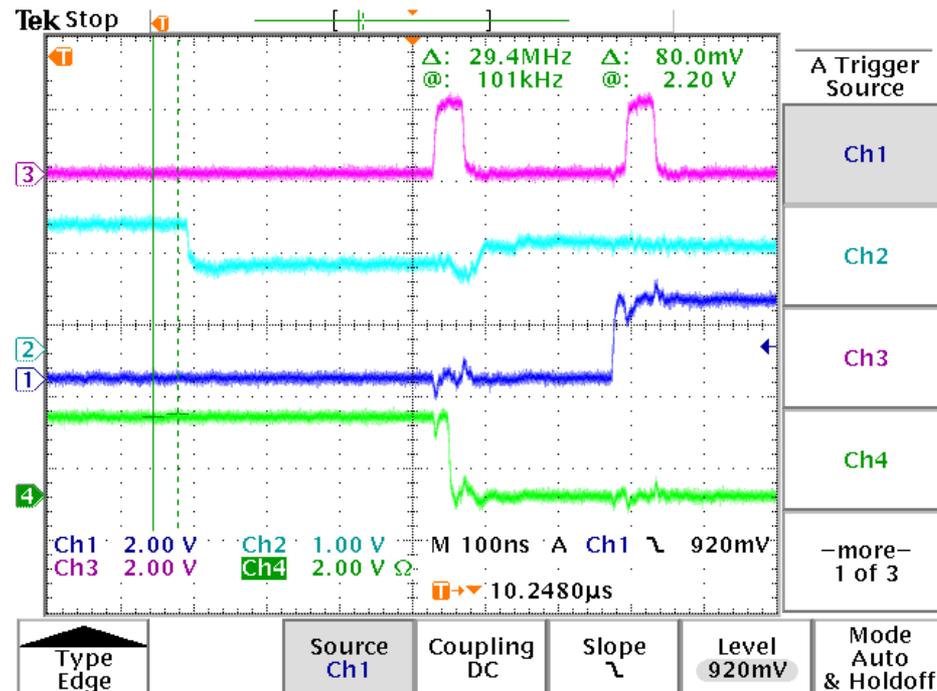
- One of the modules at the support structure





Firmware Fix

- Firmware fix : go to Idle (=Initialize) after Readout before Acquire
- Implemented by Mike Utes after the meeting
- This also solved the problem - no mods on AC are needed



1. CHMOD
2. Data5
3. MOD1
4. MOD0