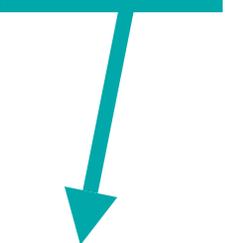


Monsoon Testing & Diagnostics

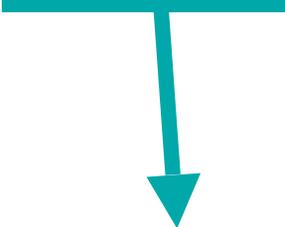
R. Kessler
Jan 23, 2006
SW Review

Reliability ?

- What do we know about Monsoon reliability ? (not very much)
- What tests should be performed for each board, and for system ?



duplicate sim input
into two channels;
compare outputs



long runs over
weekends &
holidays

Diagnosics ?

- System init should self-check as many parameters as possible; either read back registers, or read set voltages and clocks.
- Are there system diagnostics ?
- Are new board designs including diagnostics ?
- What diagnostics are currently available ?
- For failure in large system, how does one isolate source of failure: CCD, CCB, ACQ, MCB, crate ??? Ability to isolate failures has big impact on commissioning time.