







Data Synchronization Point

Asychronous Data Store

Data Flow-

- 1. All Pixie-16 modules use a PLX 9054 chip for PCI communication.
- 2. Serial readouts increase bus dead-time.
- 3. The crate controller and PCI Bridge may affect PCI throughput.
- 4. Calls are not thread safe.
- 5. Servicing one module at a time can lead to data loss.
- 6. Worst case latency and throughput driven by user implementation.
- 7. User implementation implicitly coupled to hardware changes.