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| This version has the following changes: | |
| 1 The pack header has been modified appropriately (based on simulation) to accommodate a one clock delay between the SRAM address and the SRAM data. This was causing a 4-bit error in the spectrum. This mod was basically to have two versions of the address counter, one version delayed by one clock. | |
| 2 There is a current time division mechanism which outputs the data in the order required. This was causing the SRAM address and the SRAM data to be causing the spectrum to be shifted by 4 positions after each "arm", depending on whether the "arm" happened on an odd or even "spike capture" sub-sample. | |
| 3 The "current reset" inputs have been modified to accommodate the requirement that they be initiated during a reset pulse. | |
| 4 The "SRAM address" and "SRAM data" bits of the pack header were removed. They were causing a 16-bit error in the spectrum. | 14-AUG-08
-JML - |
| 5 Latencies were added within the Shakes blocks to alleviate timing errors and possibly fix erratic results observed in V. | 19-SEP-08
-JML - |
| 6 Modified calculations for I, Q, U, & V to correct problems with U & V. | 29-OCT-08
-JML - |
| 7 Moved distributed delays into corresponding sub-sample calculations. | |
| 8 Changed the integer (output) counts to "Round + 1/2" and changed those following counts to 32. | 23-SEP-08
-JML - |
| 9 Stock Accumulator Length changed to 16 bits and reduced width of corresponding counter "I" inside DistributedSubsample. | 23-SEP-08
-JML - |
| 10 Changed to integer (pass) outputs back to "truncate" and eliminated latencies. This was causing a 16-bit error in the spectrum. The integer vector would not have significant timing errors) and returned to CASPER Power blocks after Shakes Subsystem. | 26-SEP-08
-JML - |
| 11 Added Master Sync reset to counter in stages between packer and 10G6 manager to fix problem where syncy armcount would (18G) & (18G) streams remain uncounted. | 29-OCT-08
-JML - |
| 12 Created a "Spikes_Capture_Subsystem" to clean up drawing. | 29-OCT-08
-JML - |