



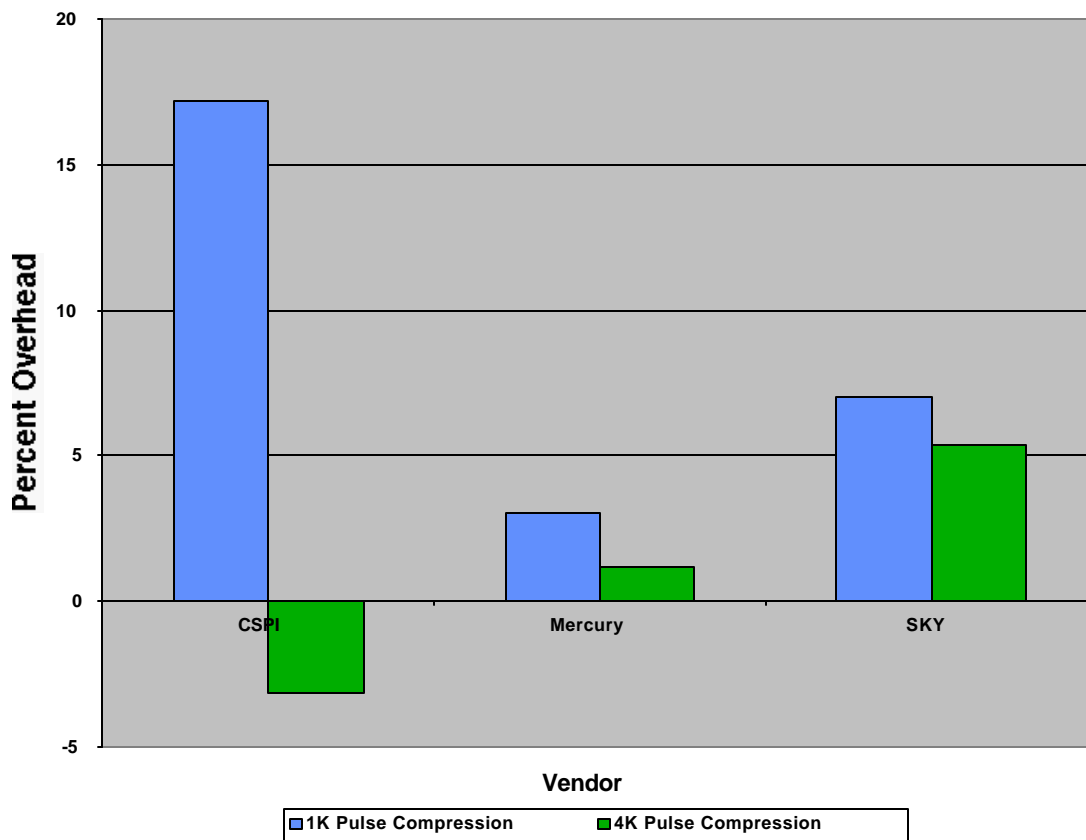
VSIPL Performance Discussion



VSIPL Performance

VSIPL overhead is small
(Results adapted from Teachey, HPEC 2000)

Overhead of VSIPL versus Native Libraries for Pulse Compression



Benchmarks collected by Roelan Teachey, Lockheed-Martin, Moorestown NJ

Overhead introduced by VSIPL in pulse compression
Includes VSIPL rebind and admit calls
Compared with native libraries

Hardware used

CSPI: 400 MHz PPC 750

Mercury: 375 MHz PPC 750

SKY: 350 MHz PPC 604e

Software used

CSPI: VSI/Pro MPI Software Technologies

Mercury VSIPL

SKY VSIPL