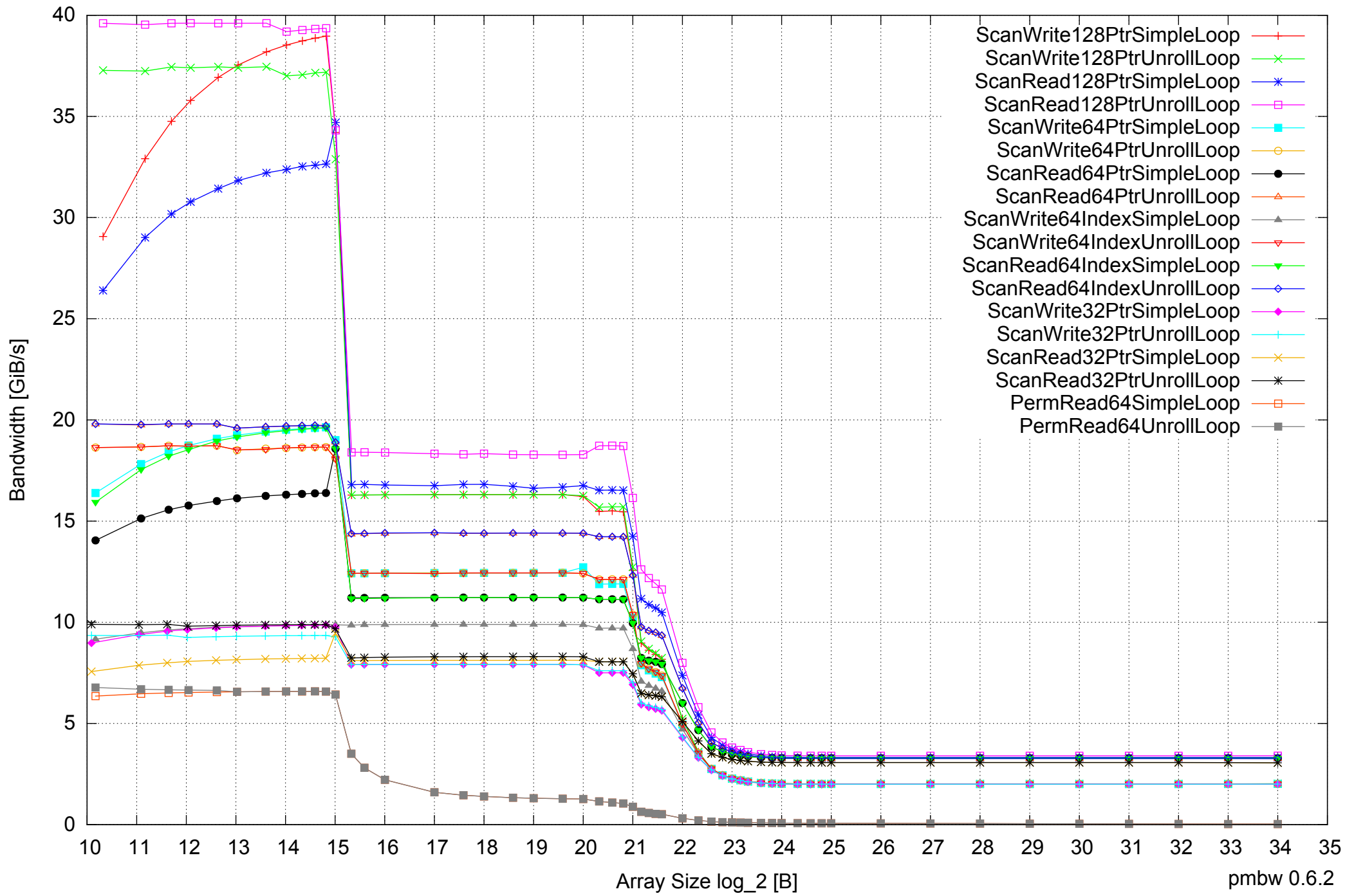
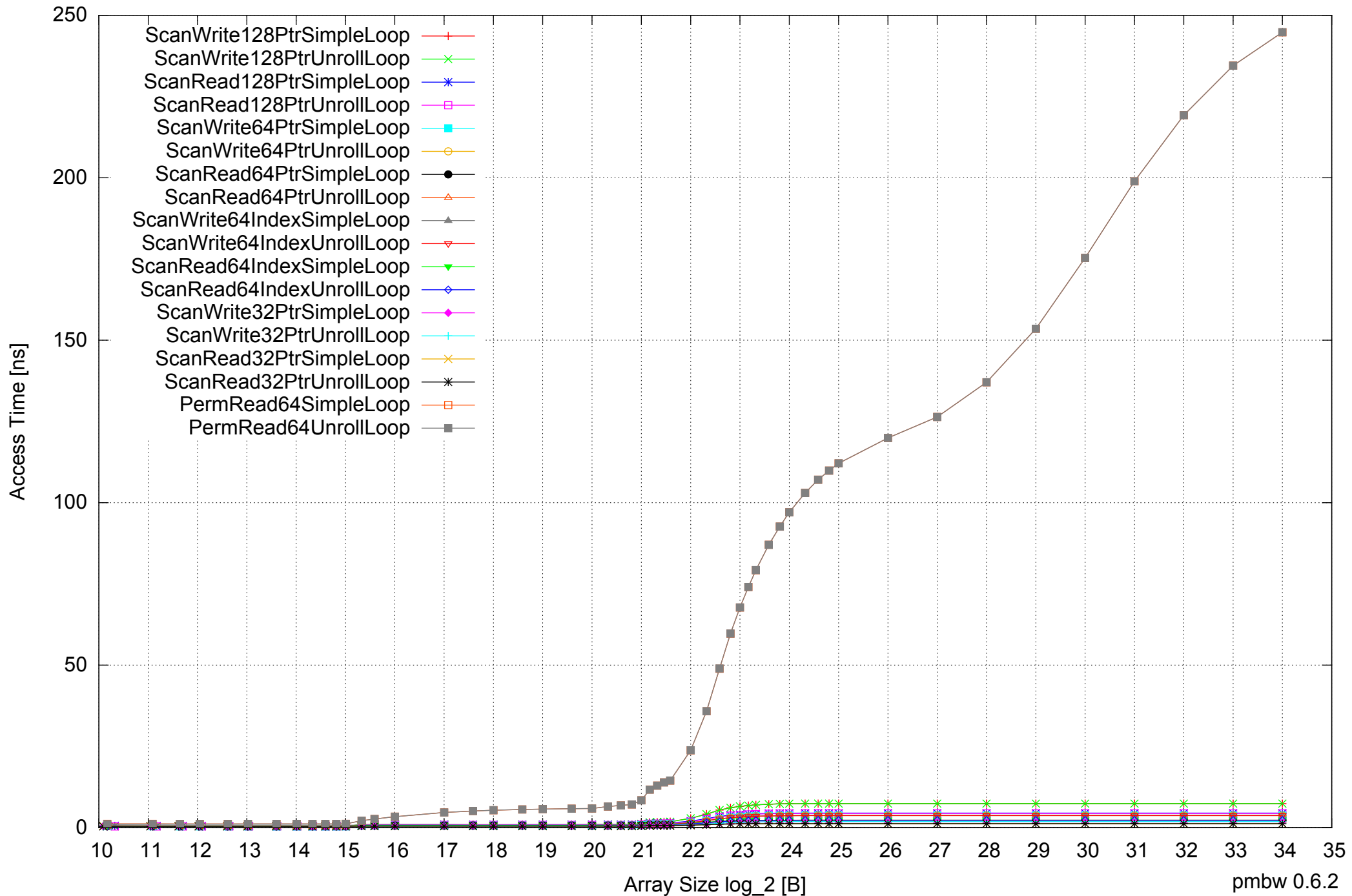


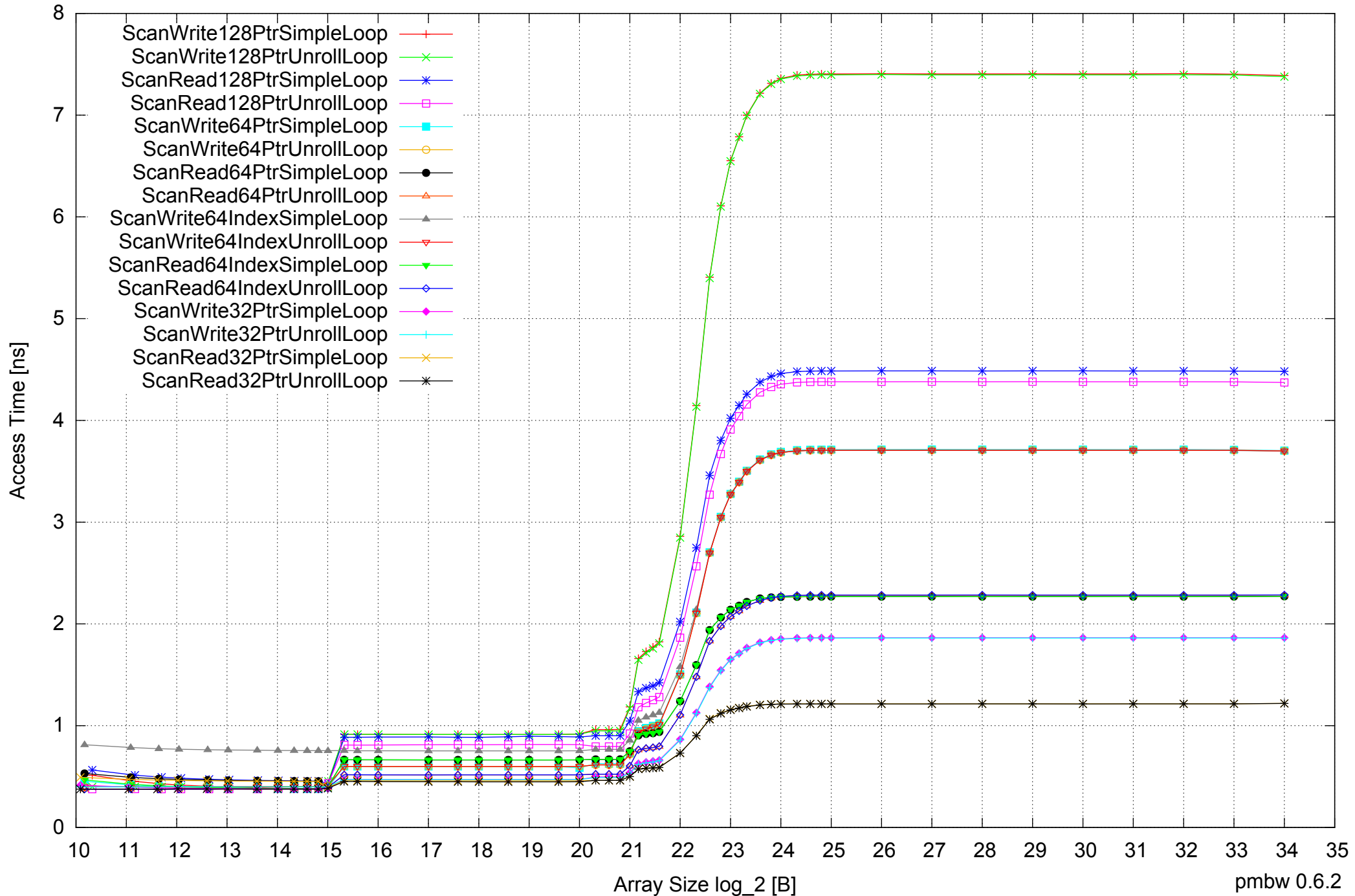
Intel Xeon X5355 24GB - One Thread Memory Bandwidth



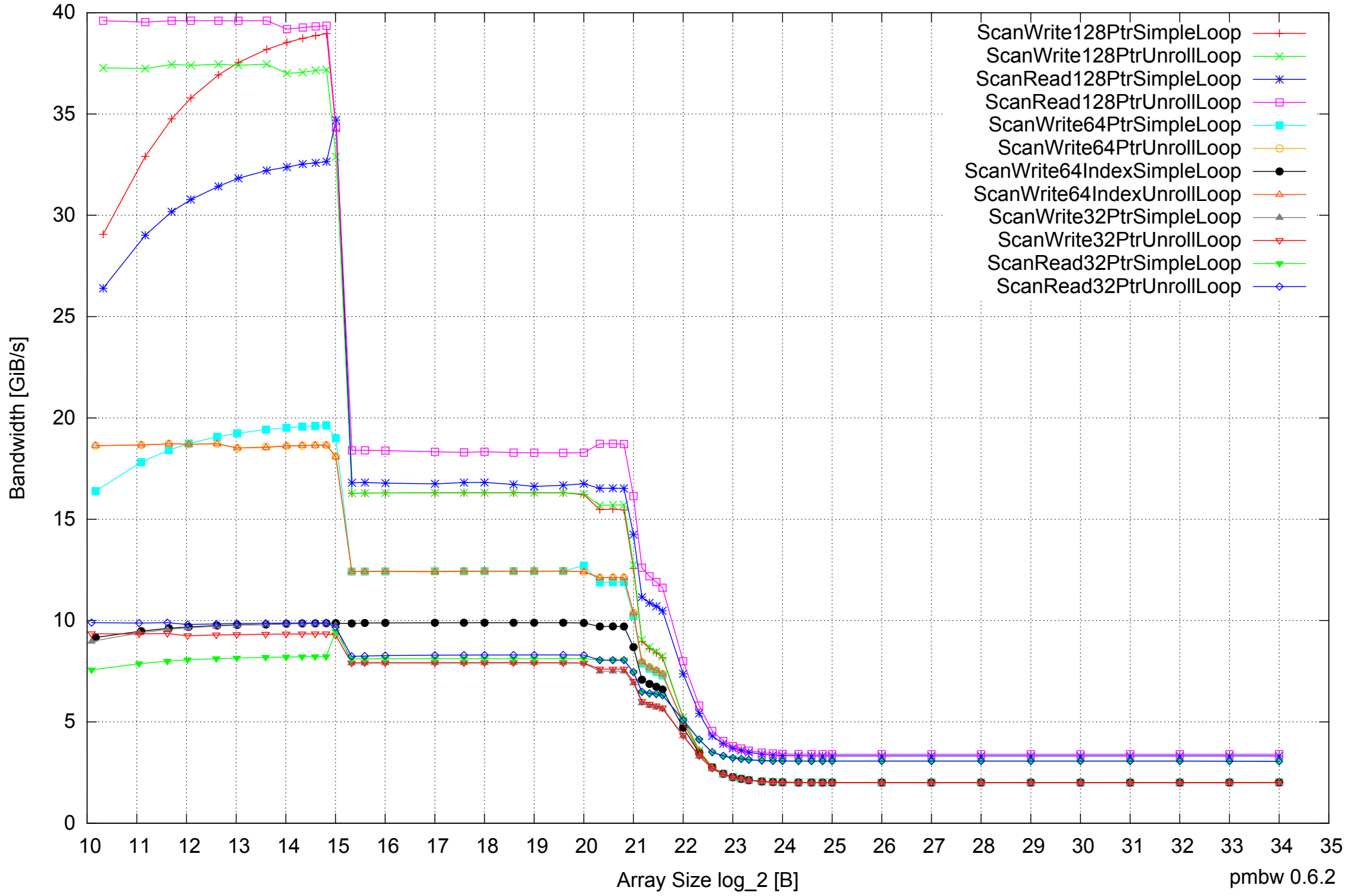
Intel Xeon X5355 24GB - One Thread Memory Latency (Access Time)



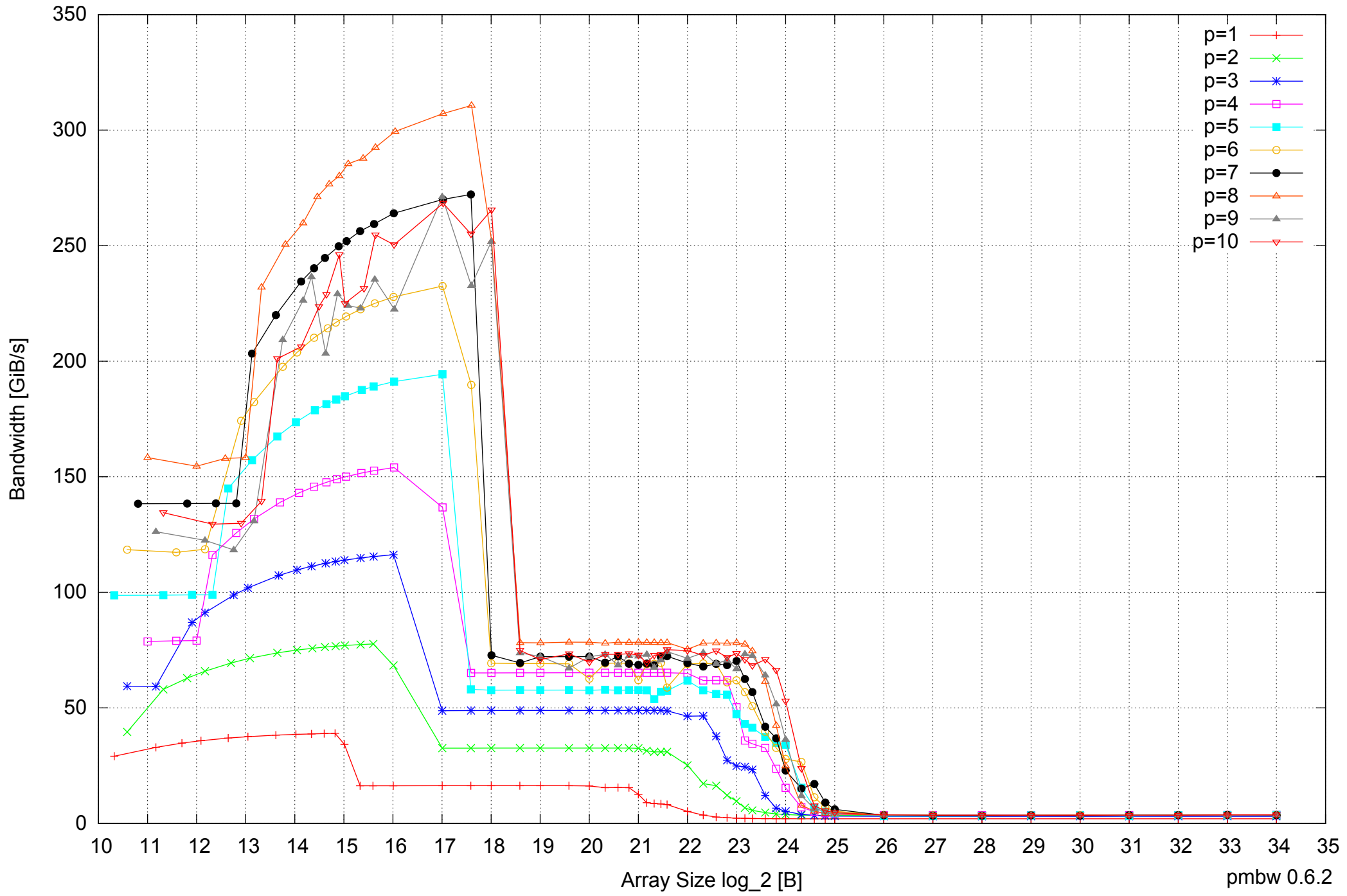
Intel Xeon X5355 24GB - One Thread Memory Latency (excluding Permutation)



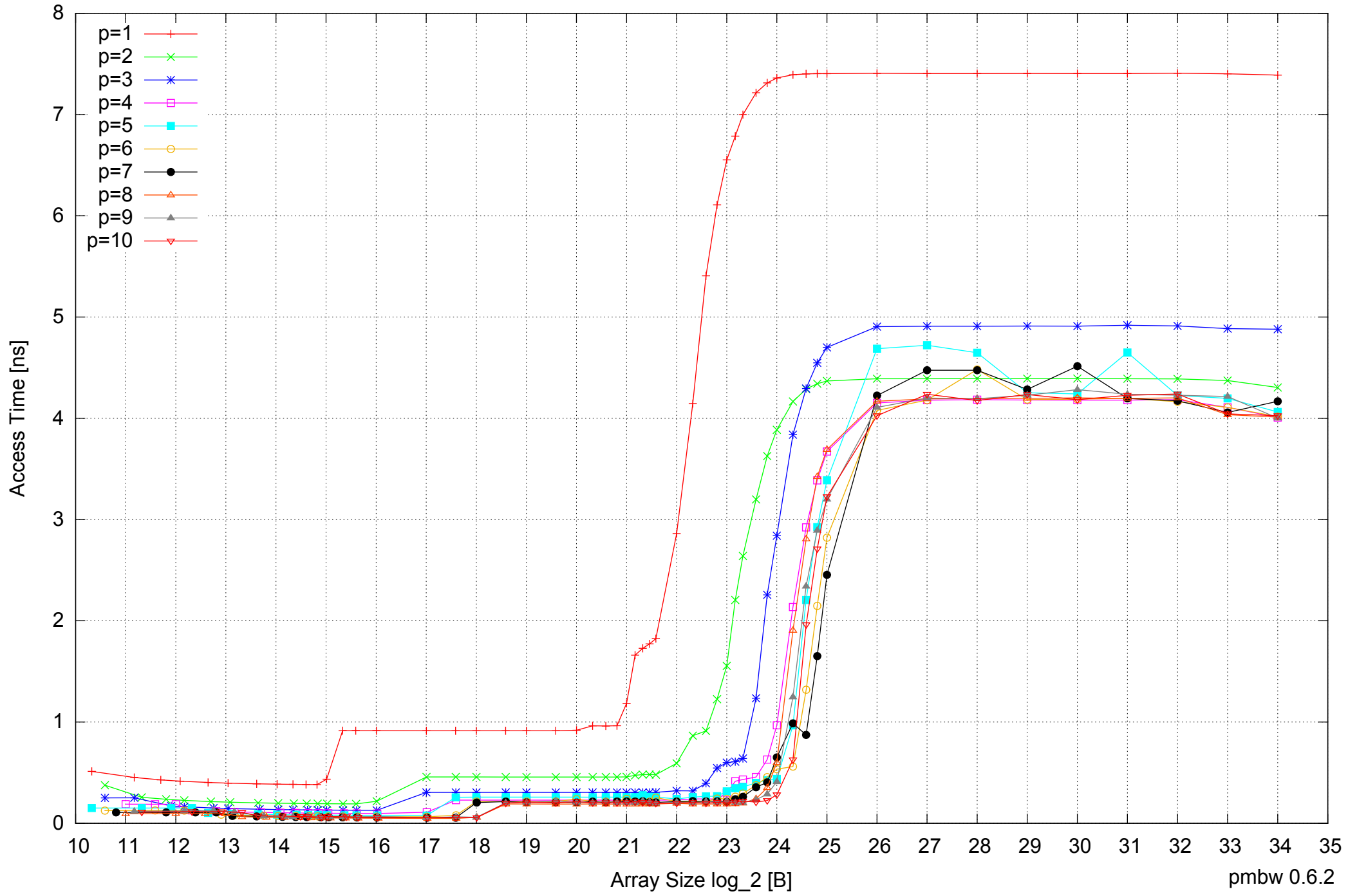
Intel Xeon X5355 24GB - One Thread Memory Bandwidth (only 64-bit Reads)



Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop

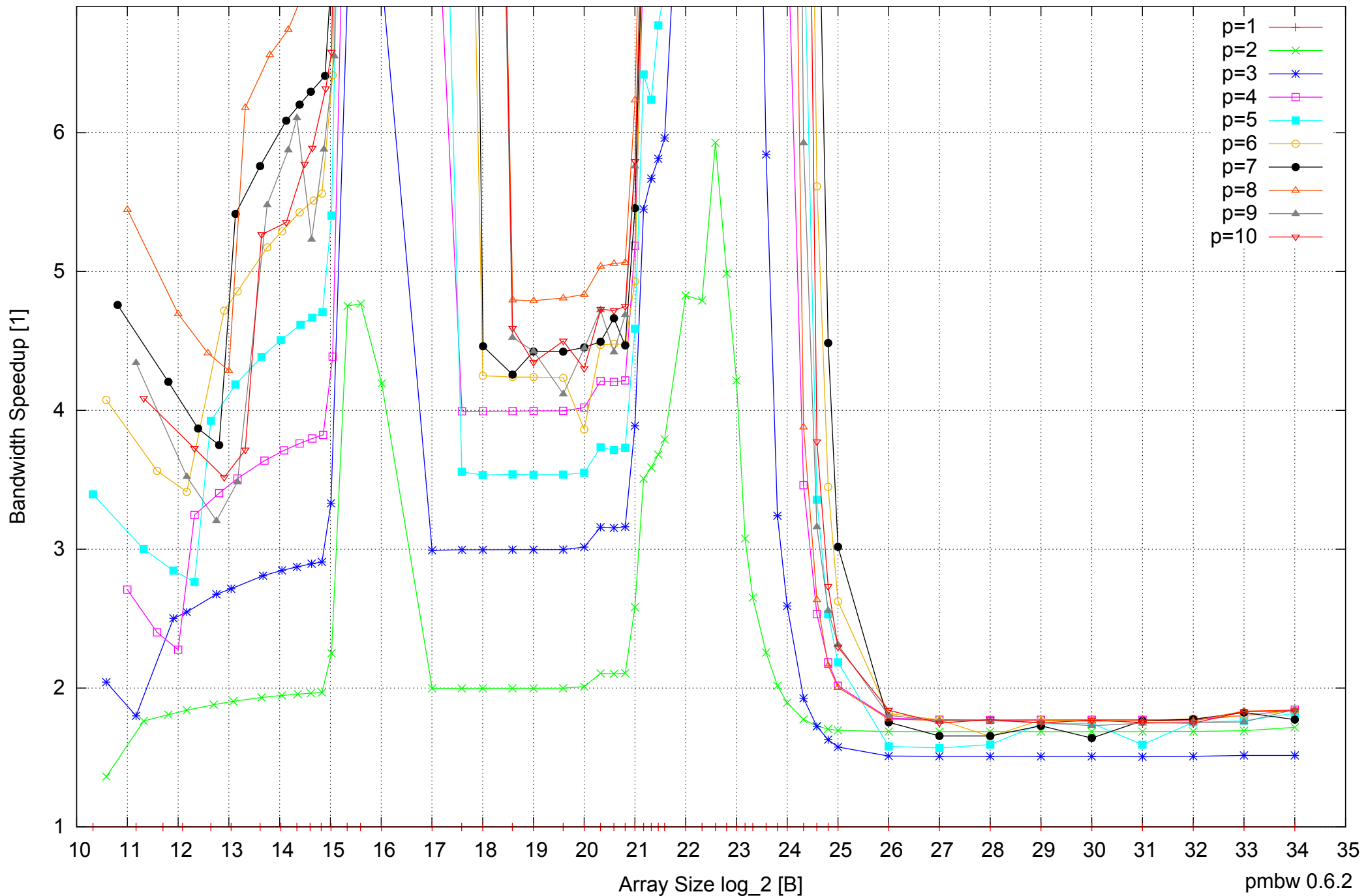


Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite128PtrSimpleLoop



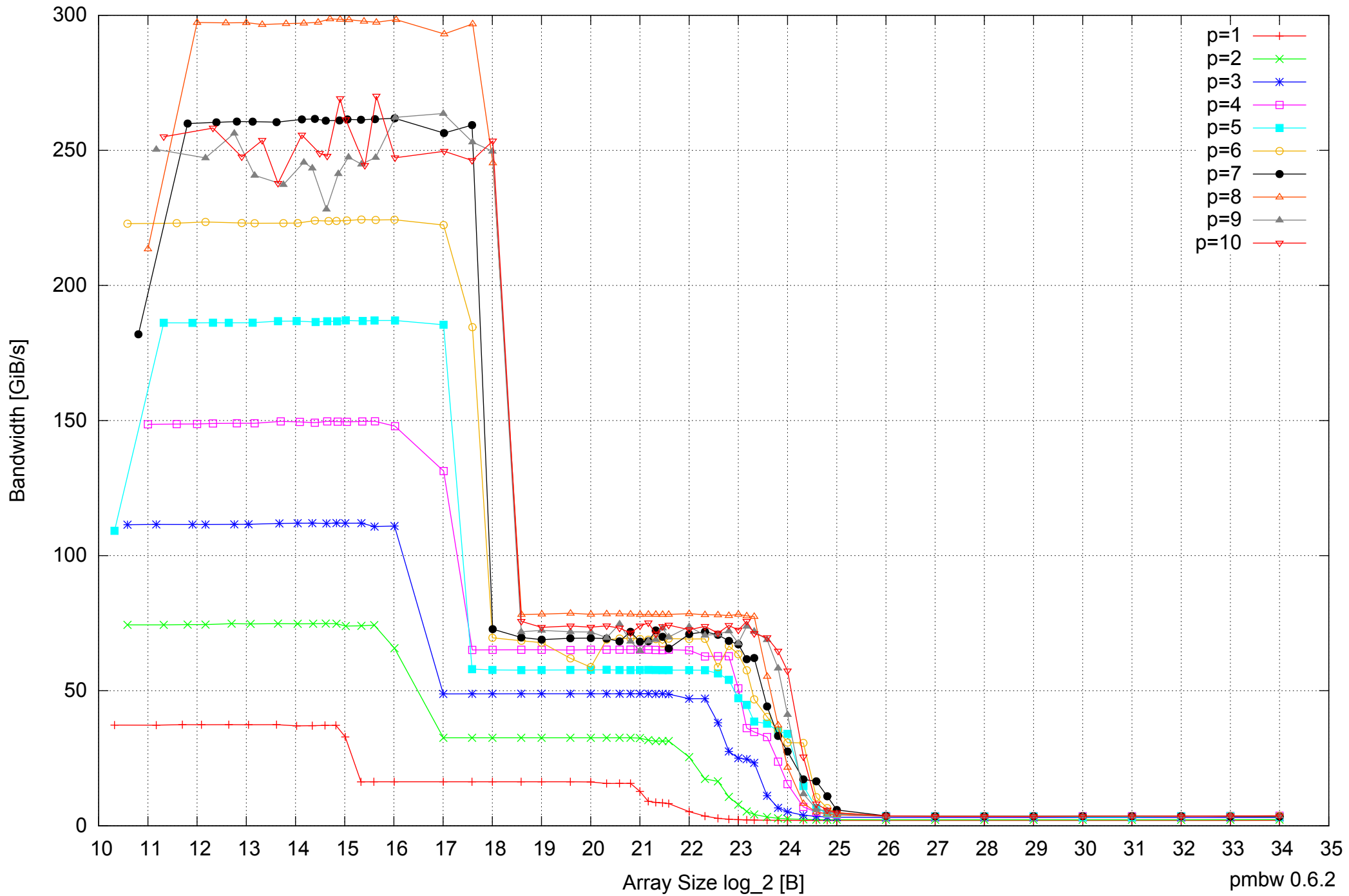


Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrSimpleLoop

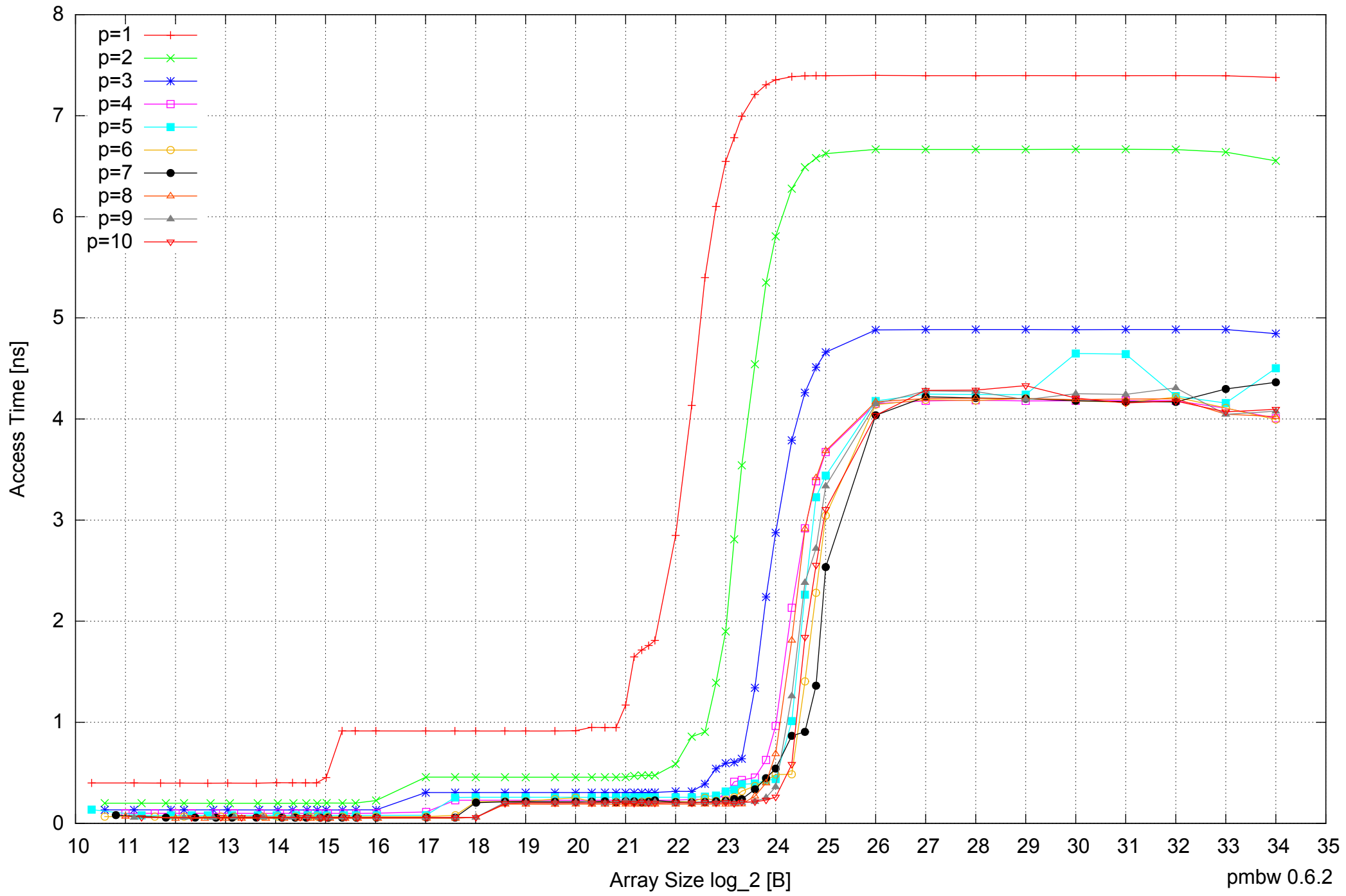




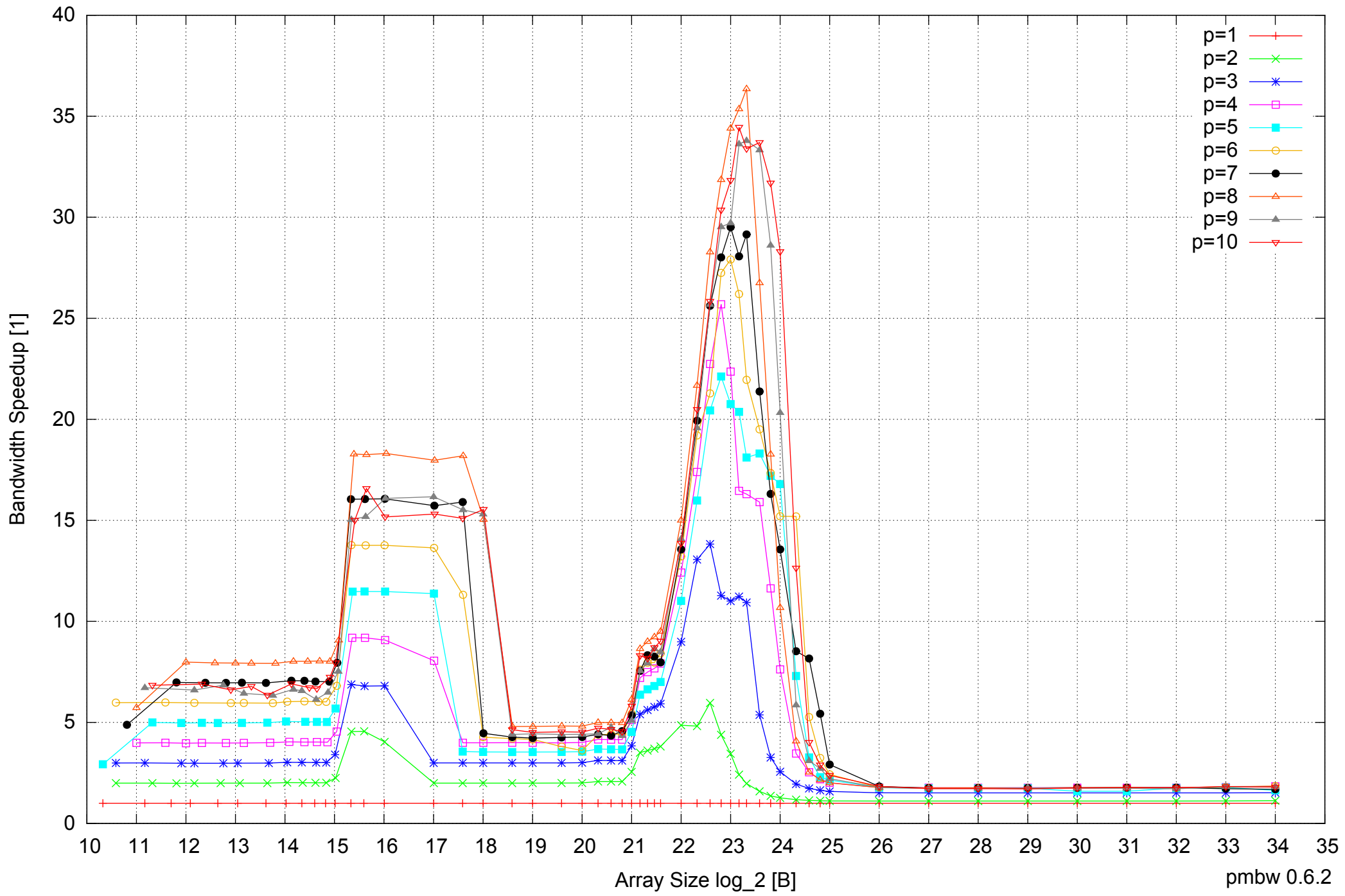
Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



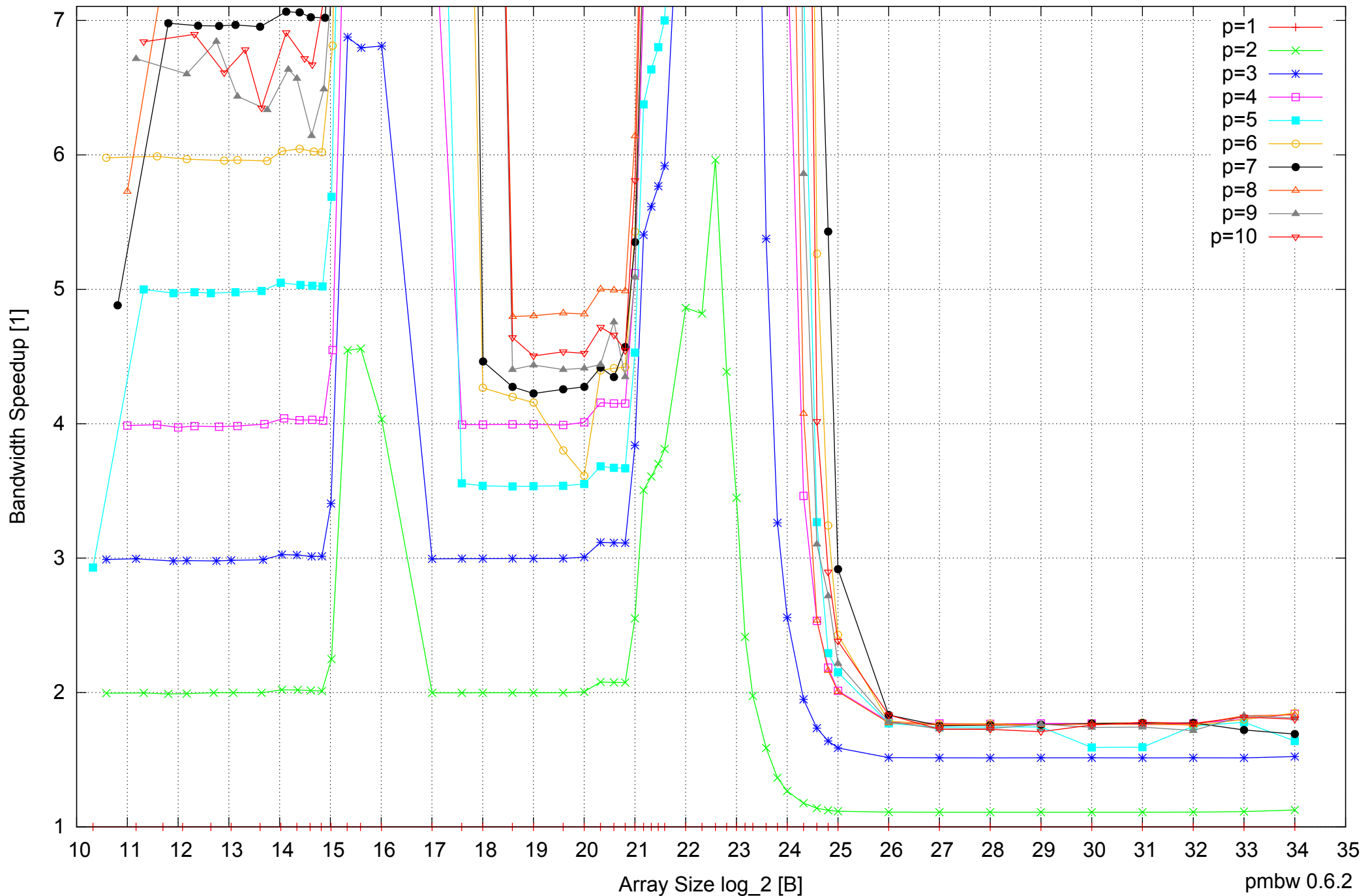
Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite128PtrUnrollLoop



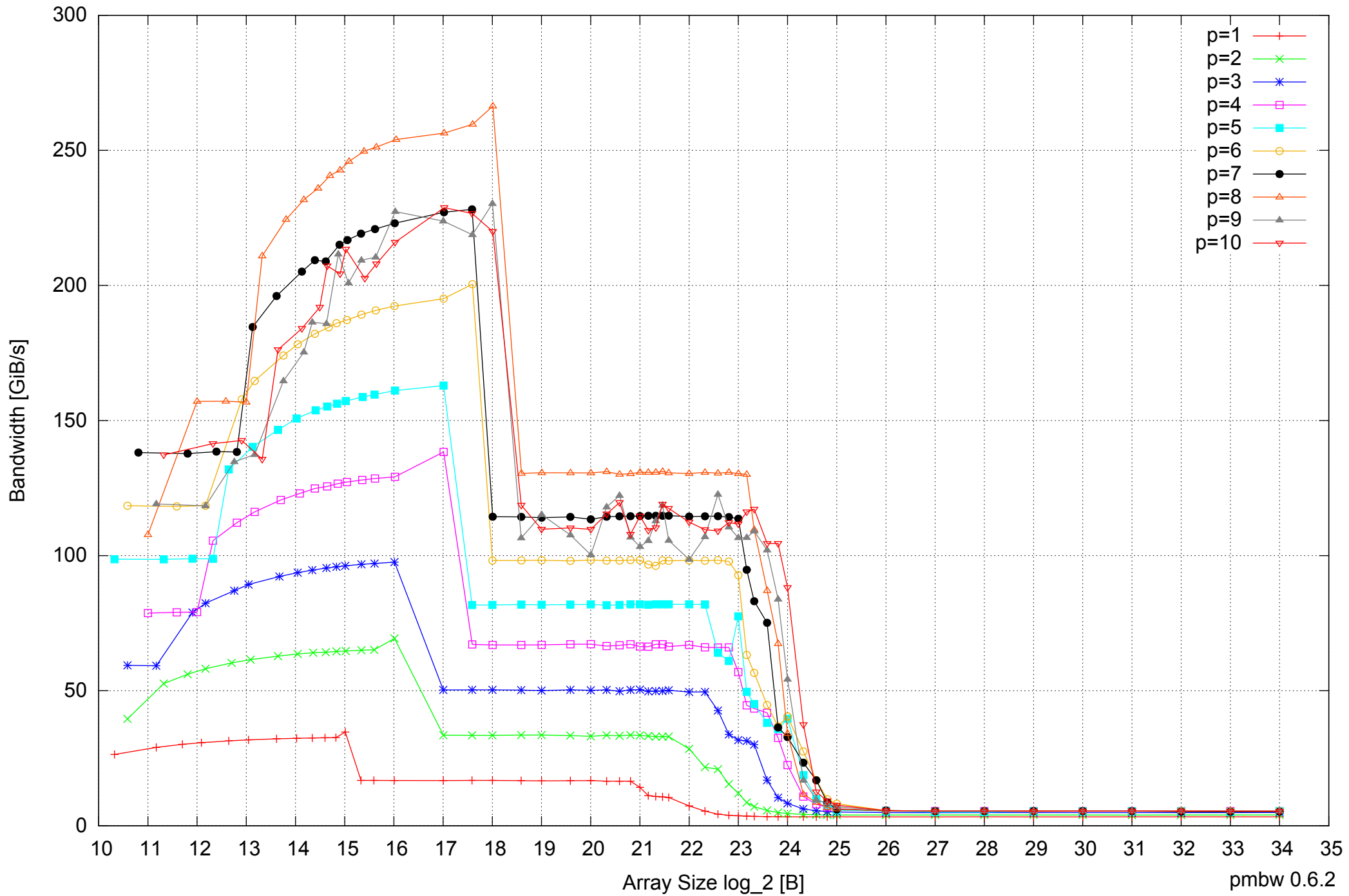
Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop

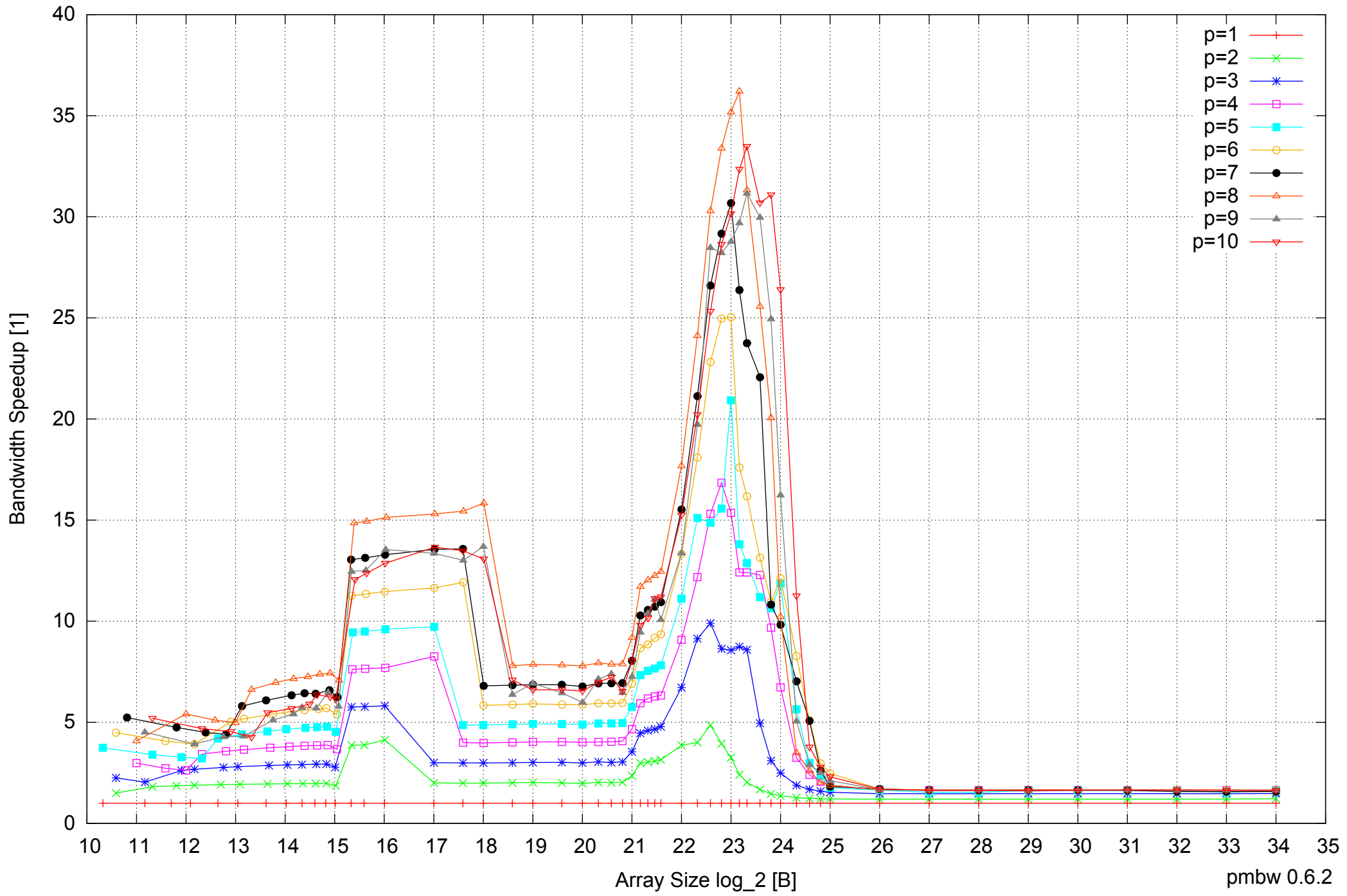


Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop





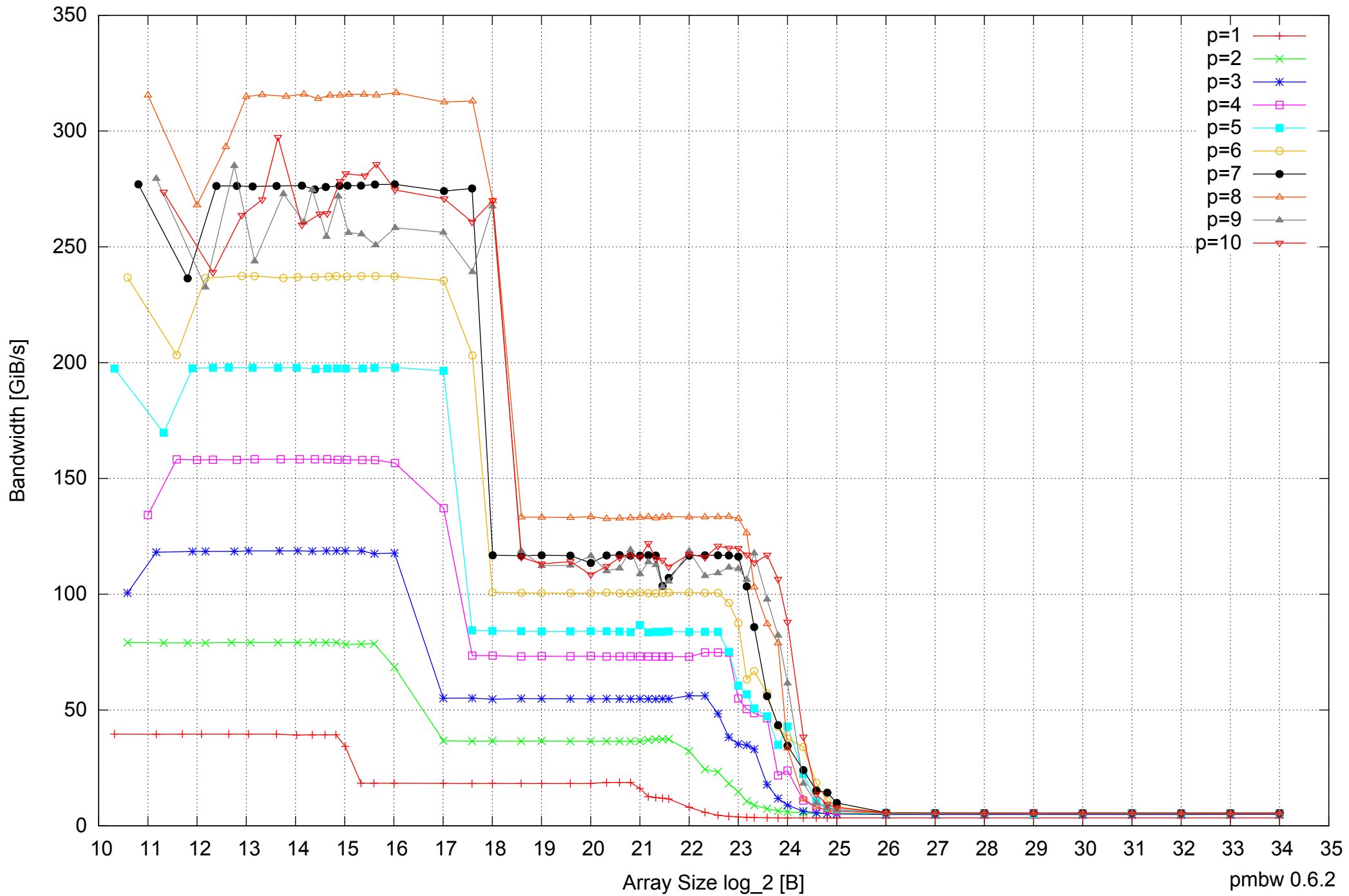
Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop







Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanRead128PtrUnrollLoop



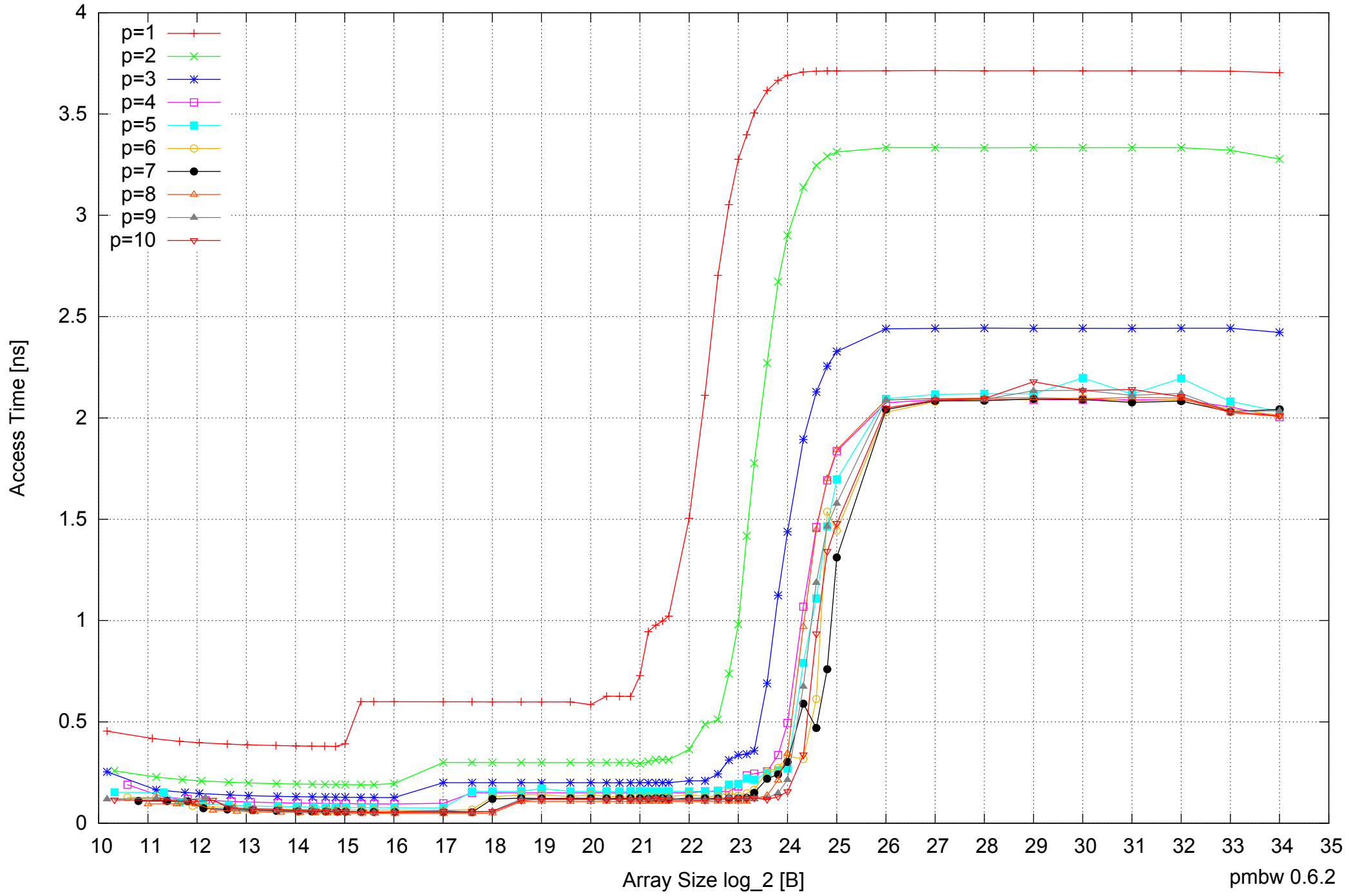






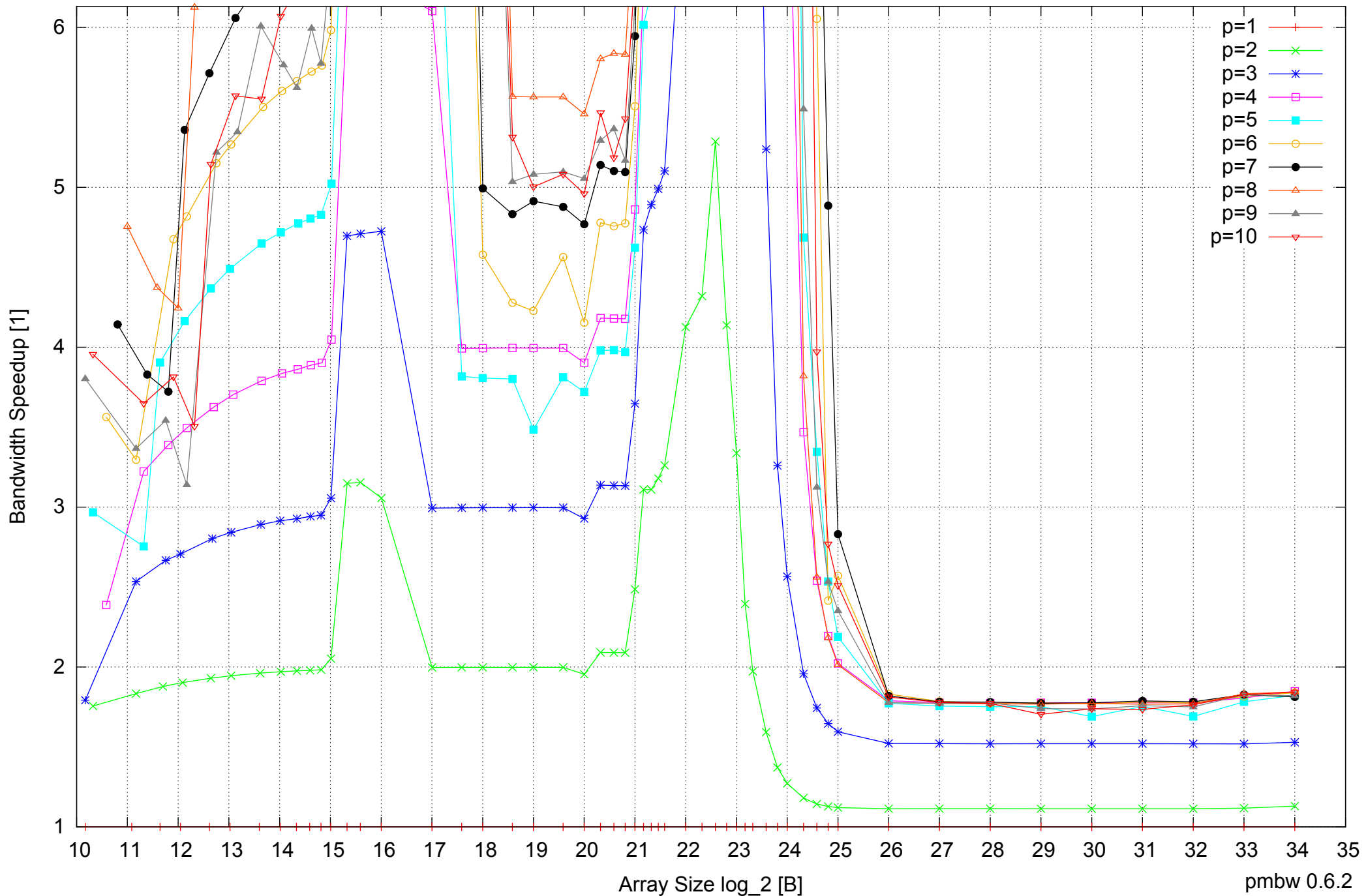


Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



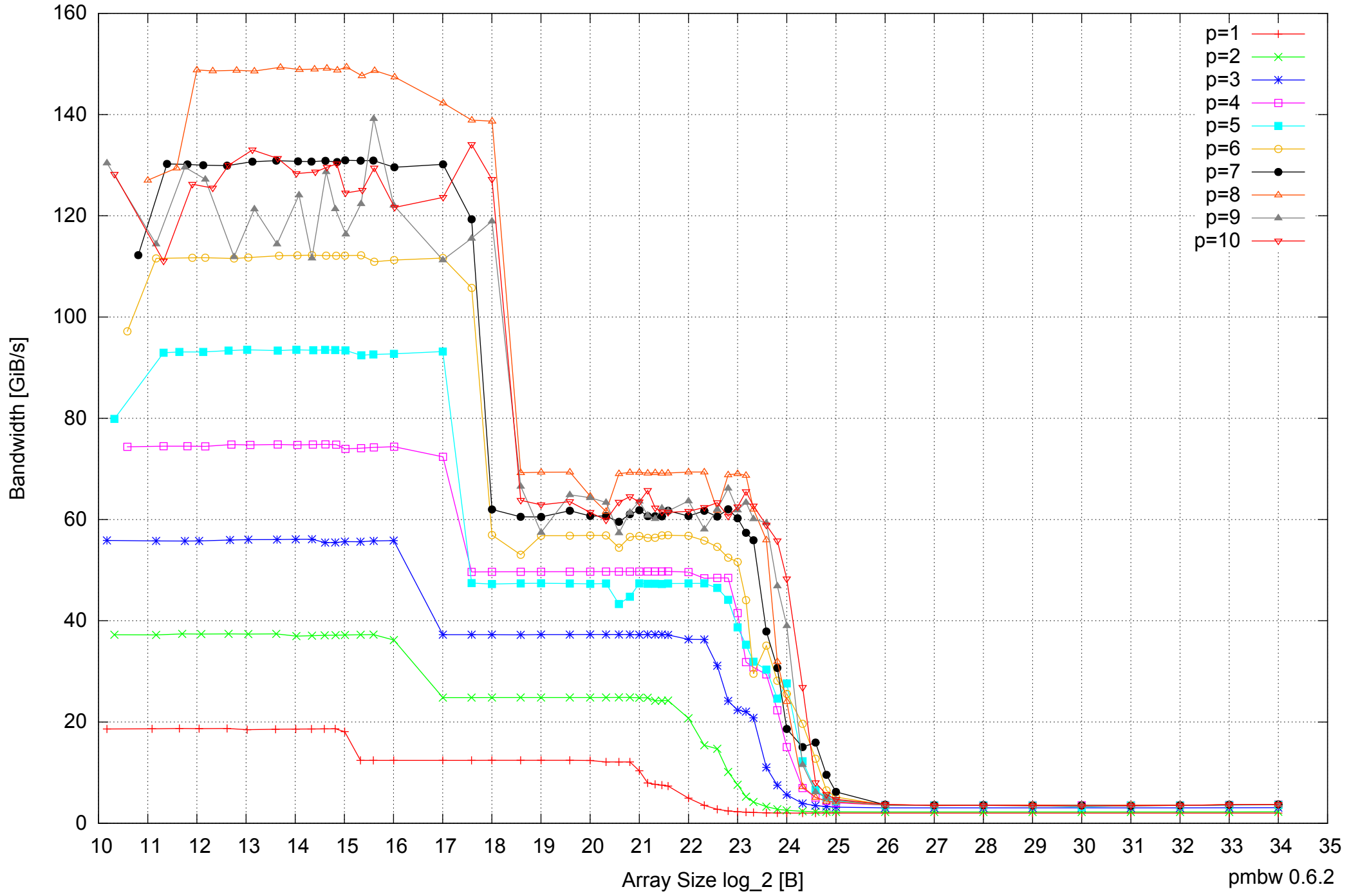


Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop

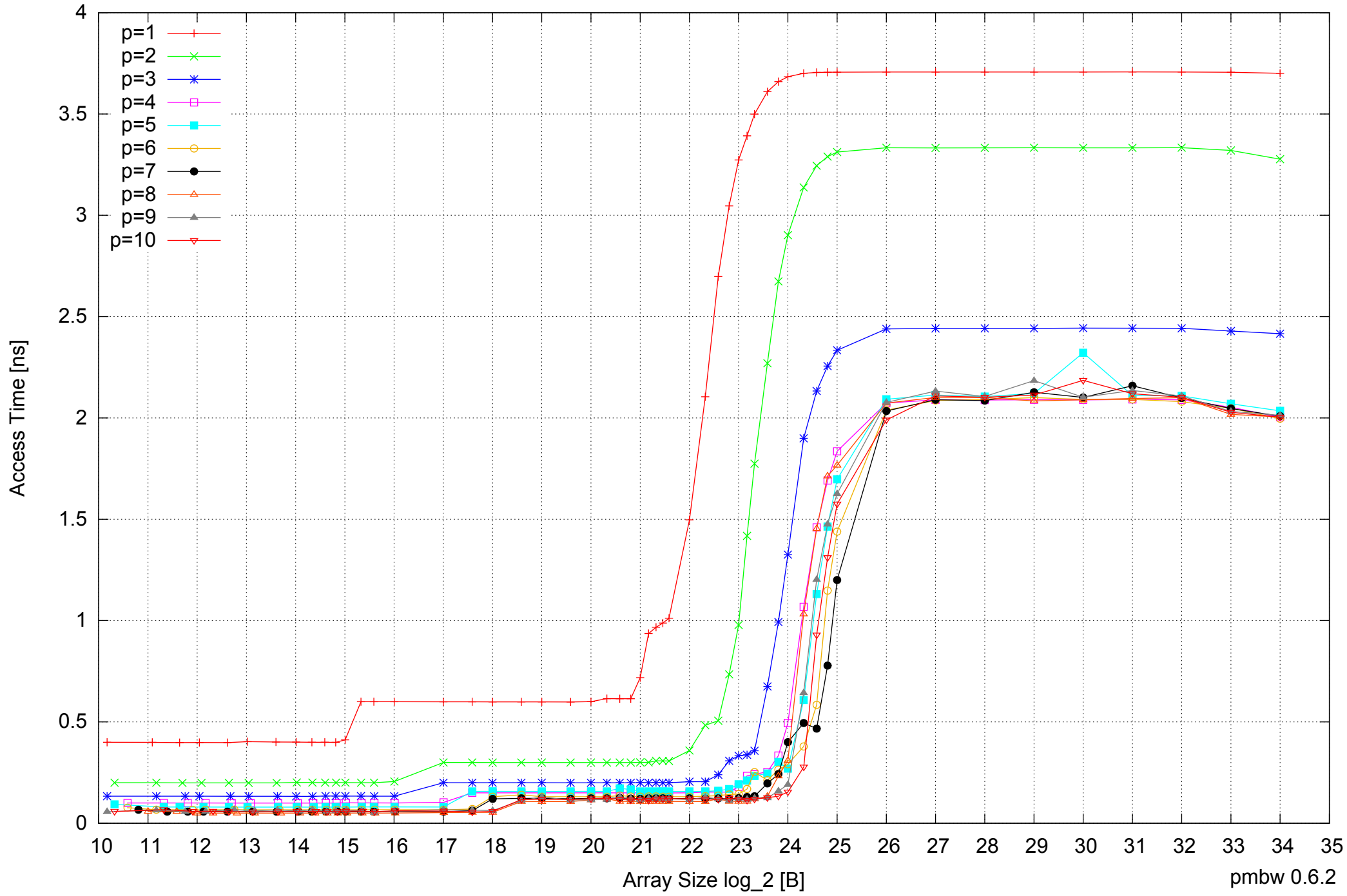




Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop





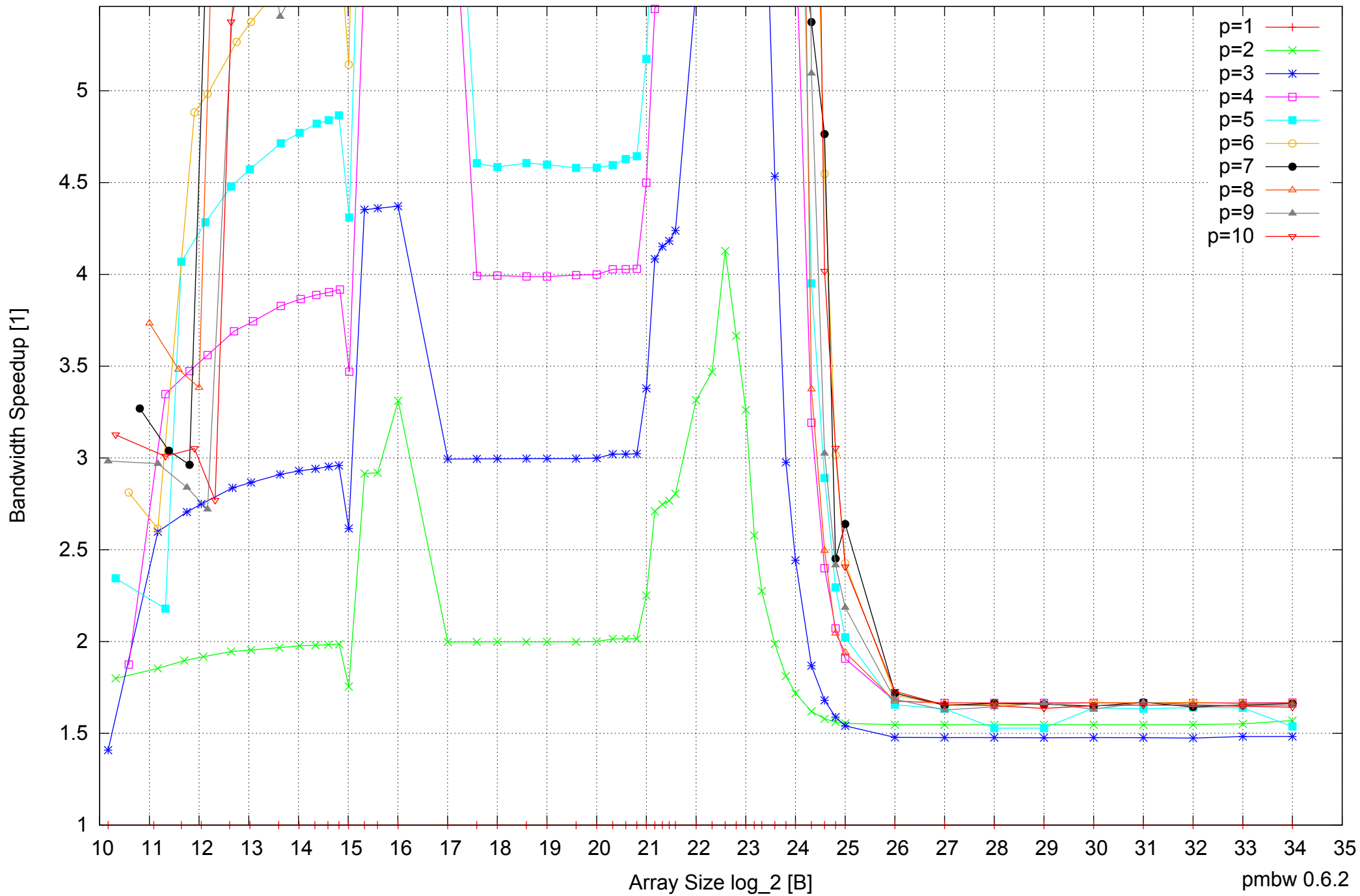






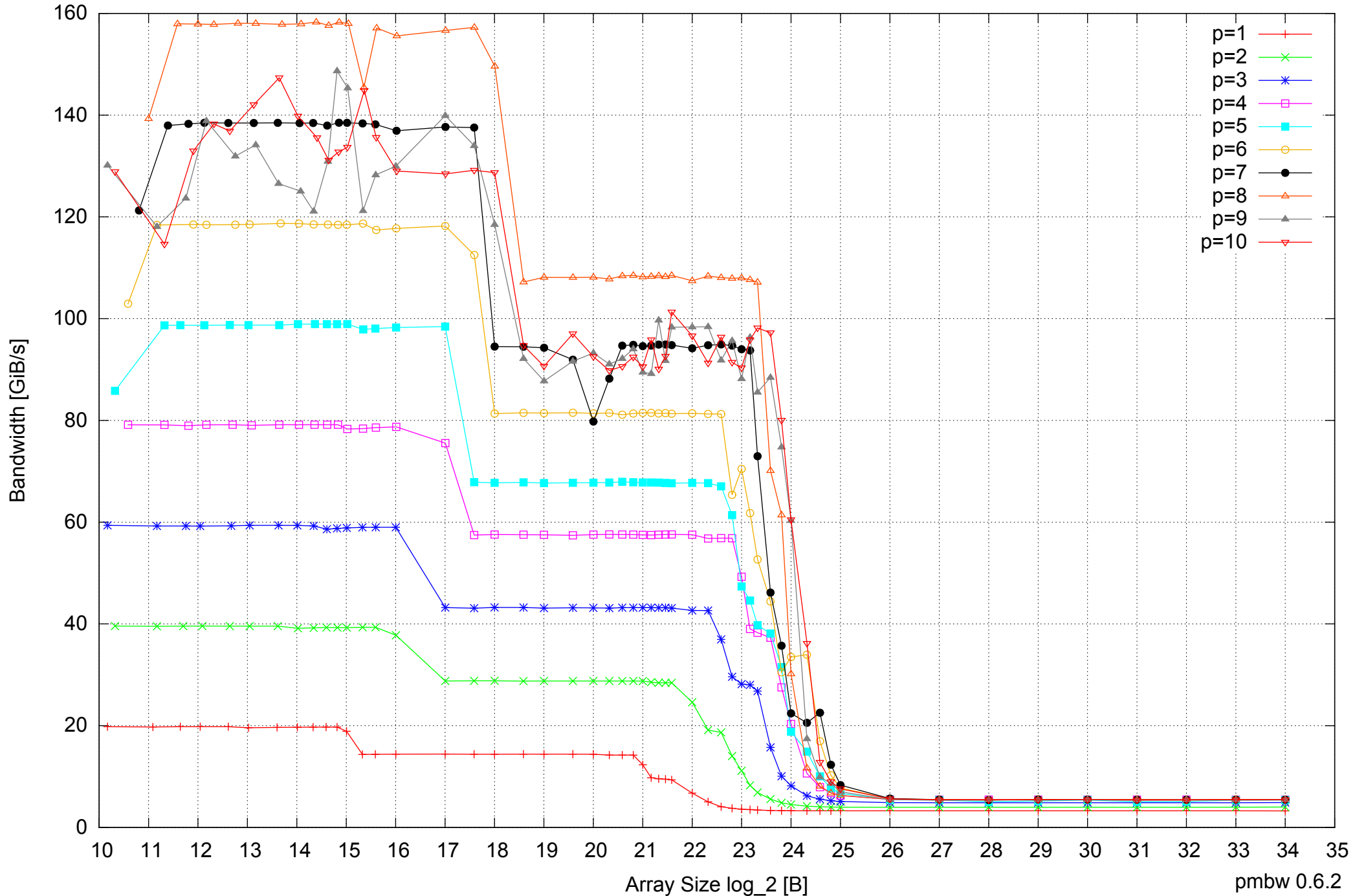


Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop

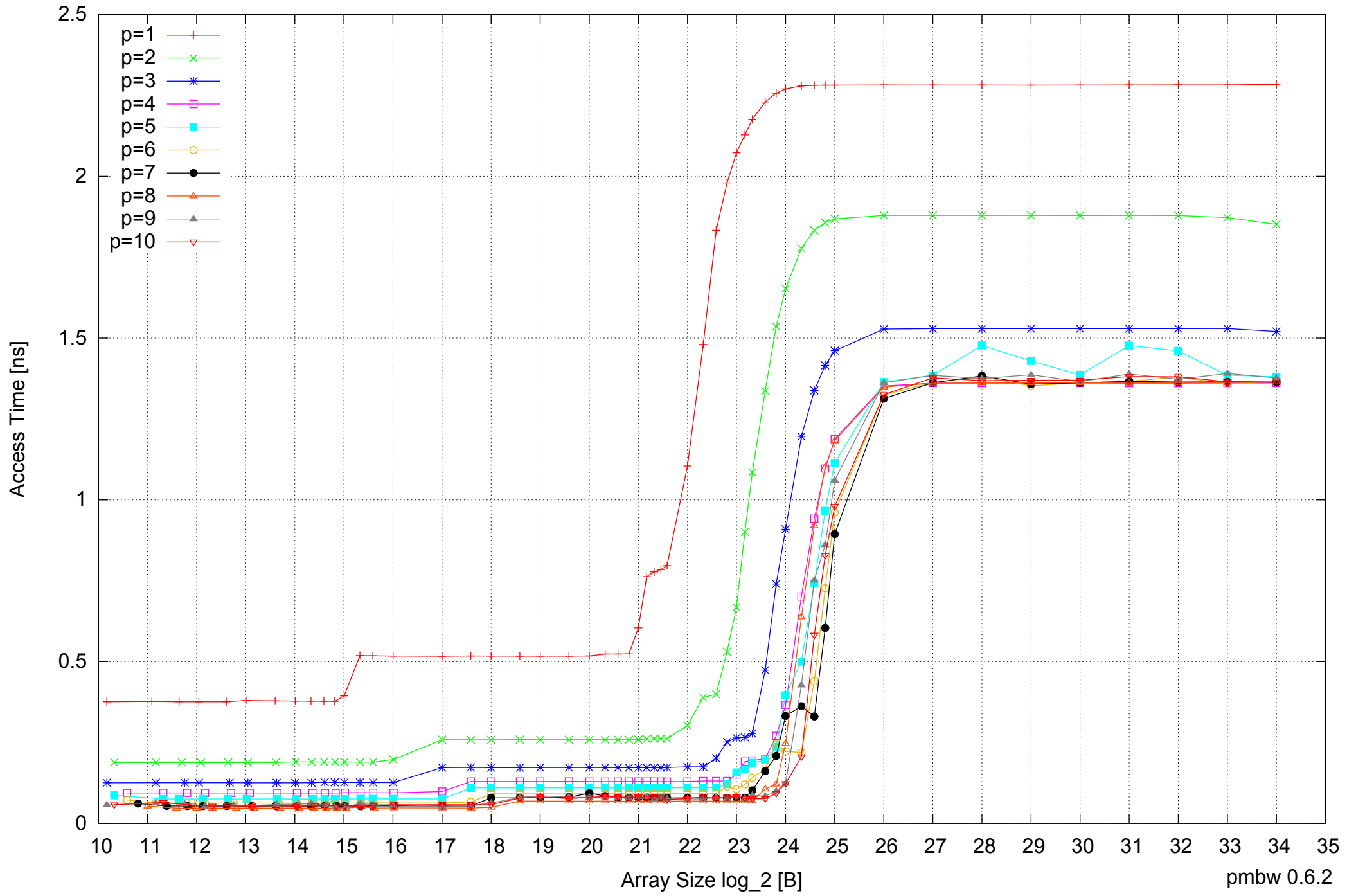




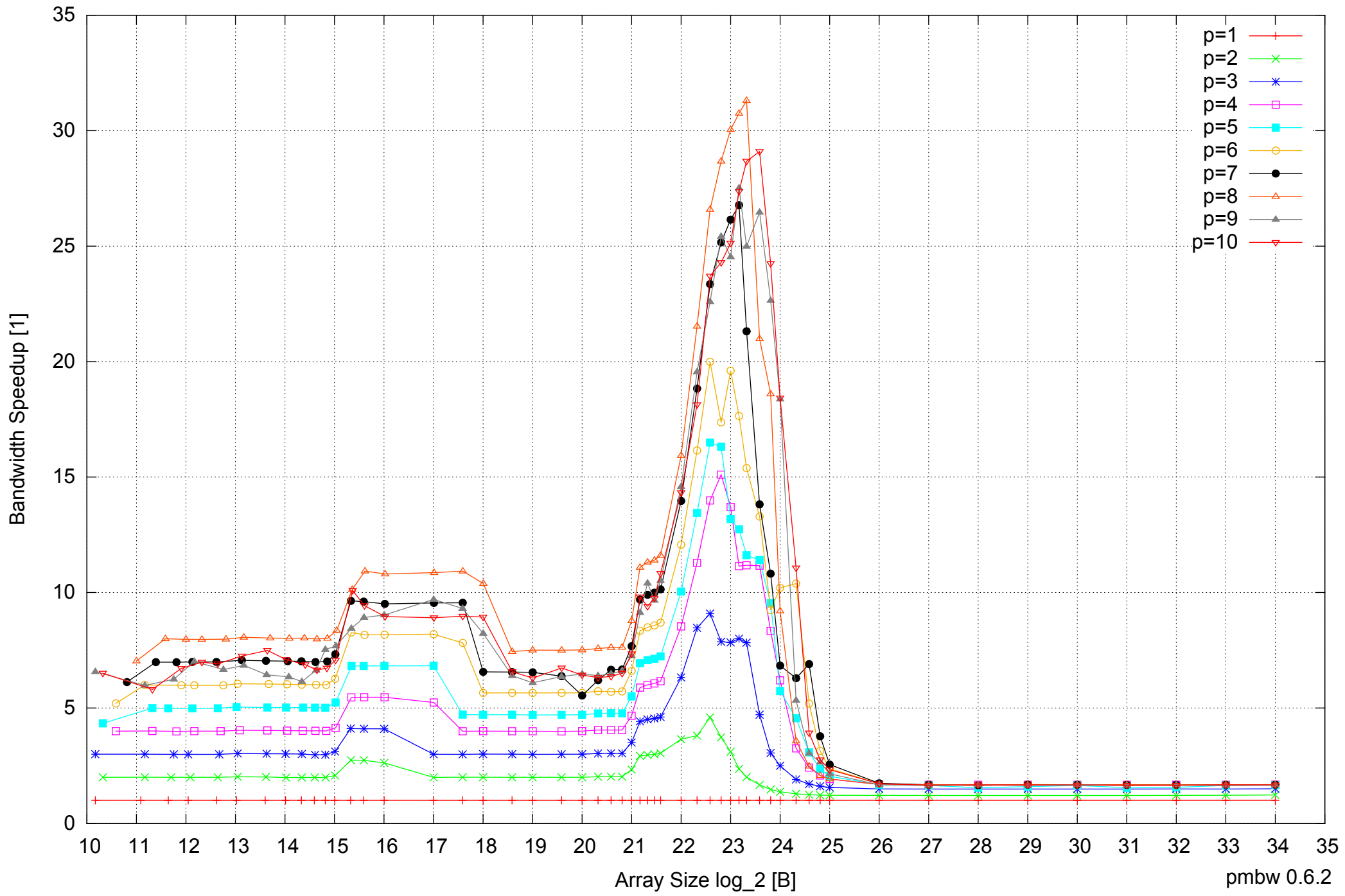
Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanRead64PtrUnrollLoop

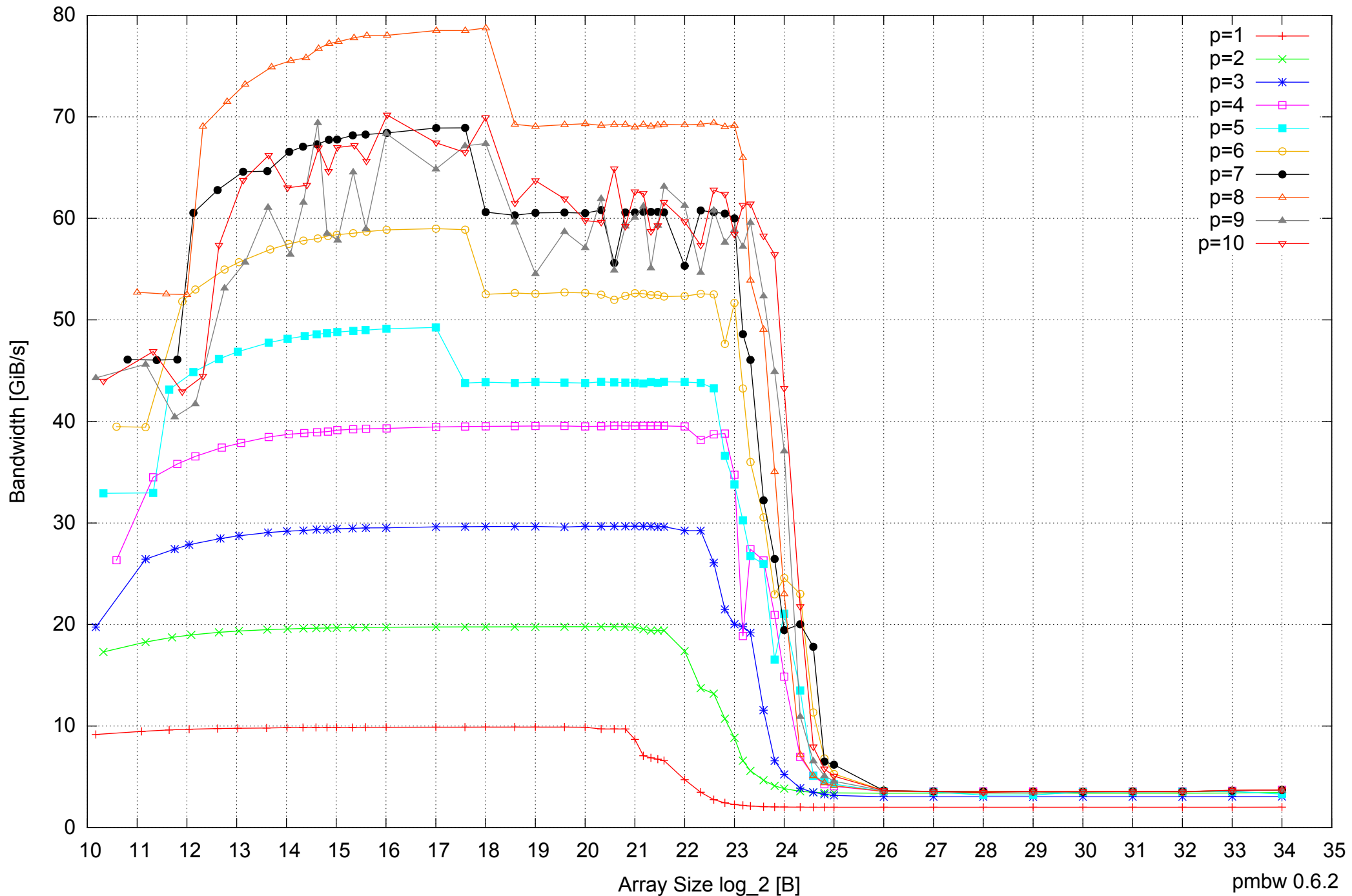


Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop

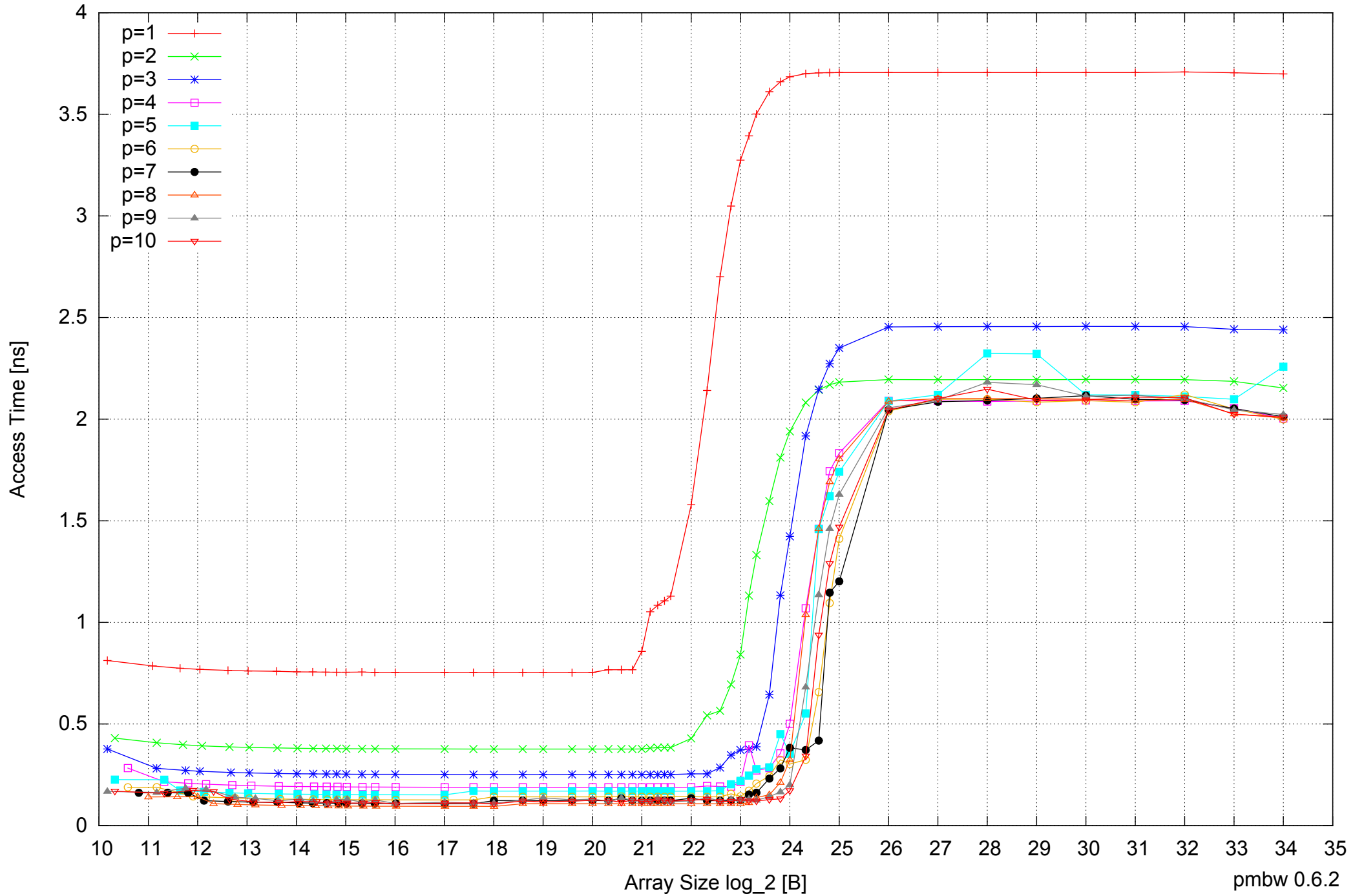




Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanWrite64IndexSimpleLoop

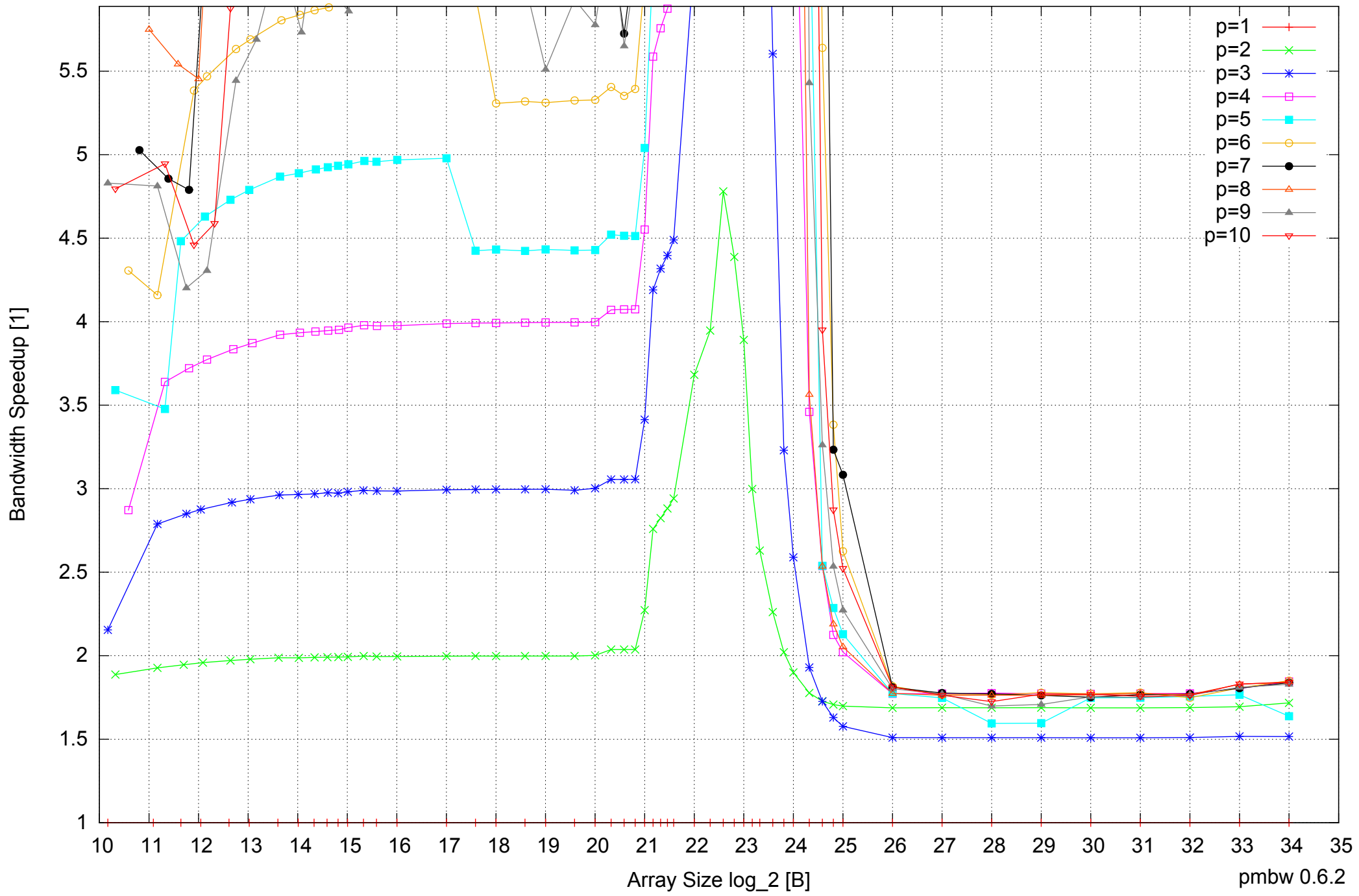


Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite64IndexSimpleLoop



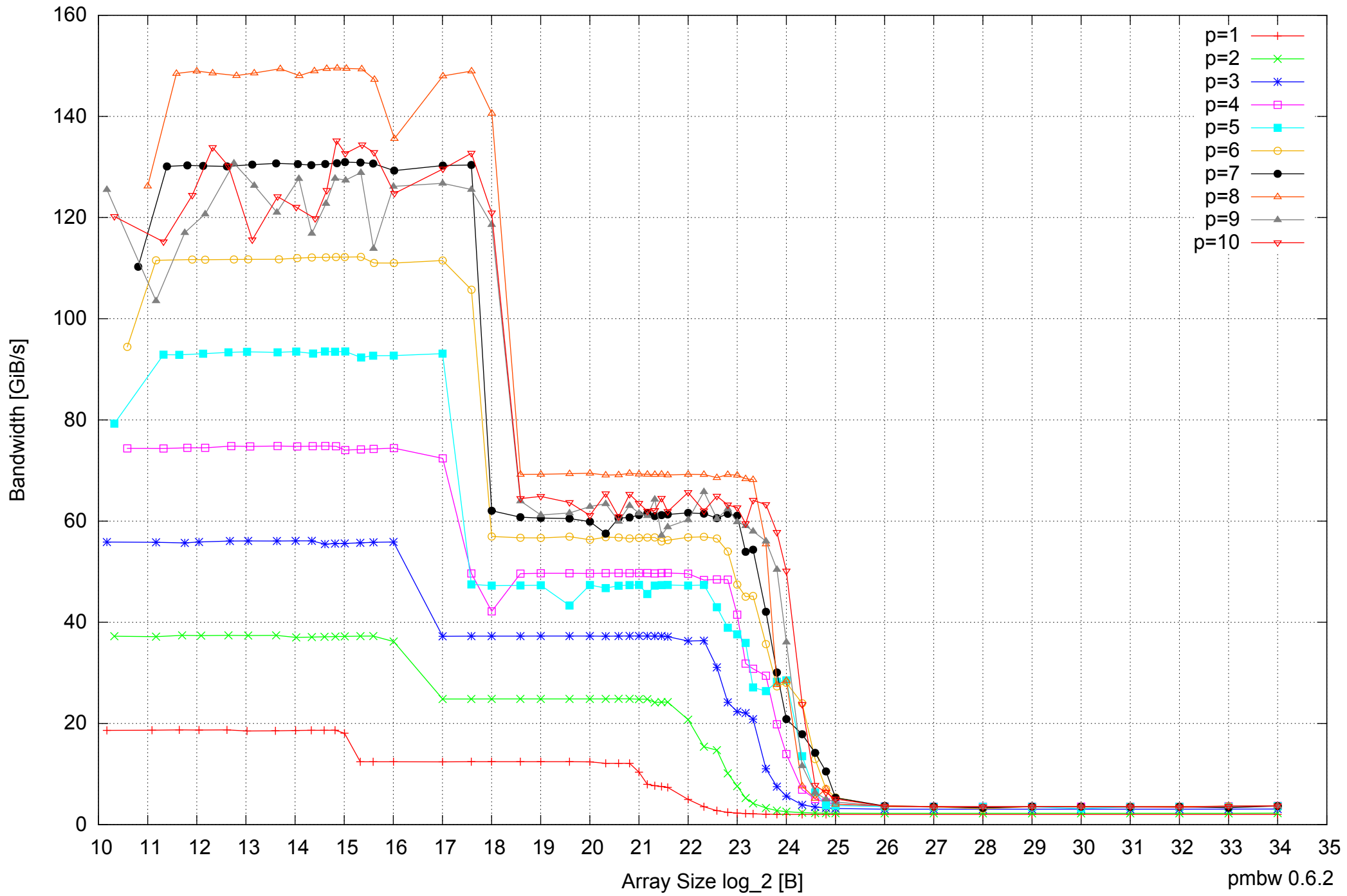


Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop

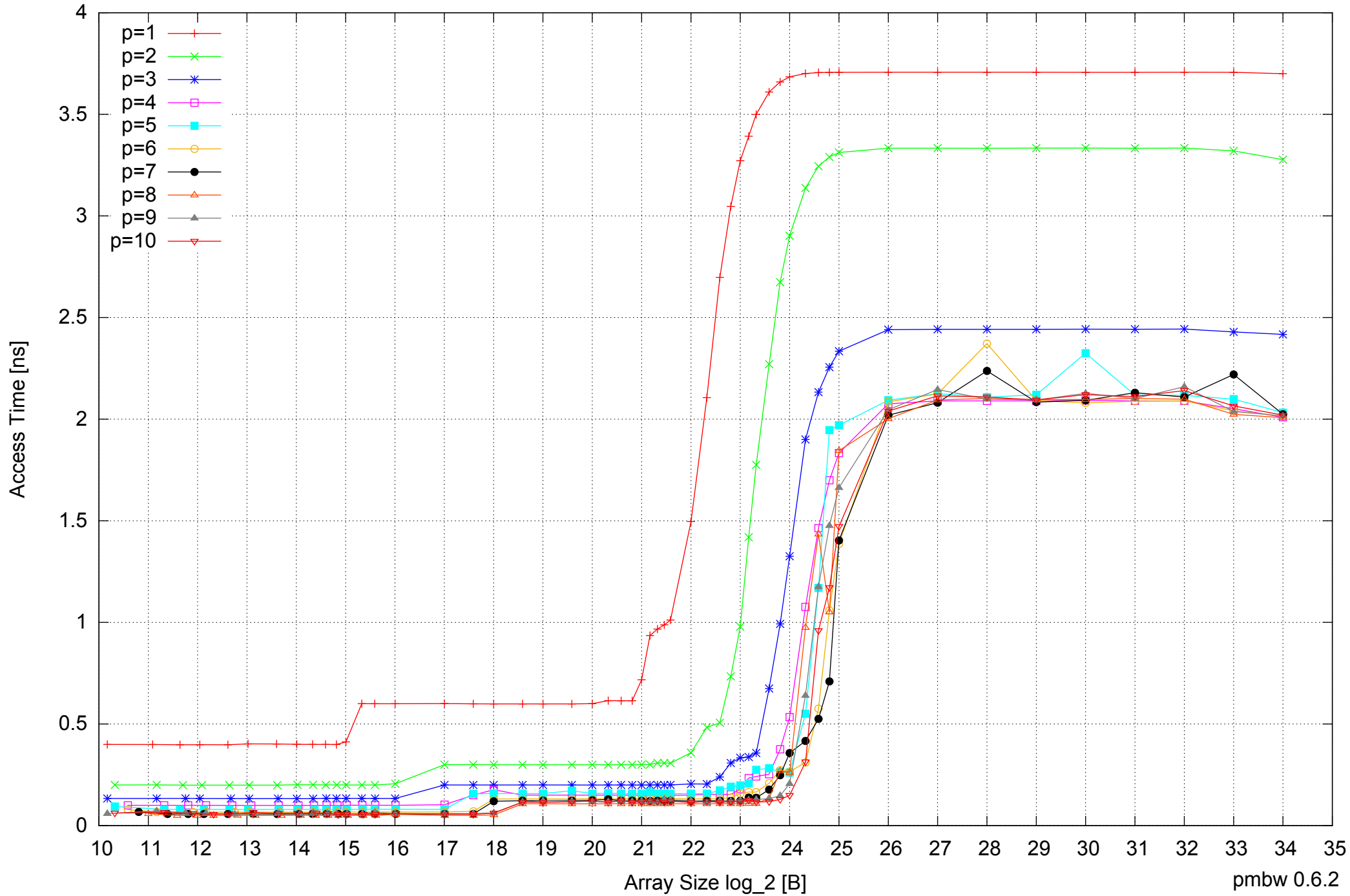




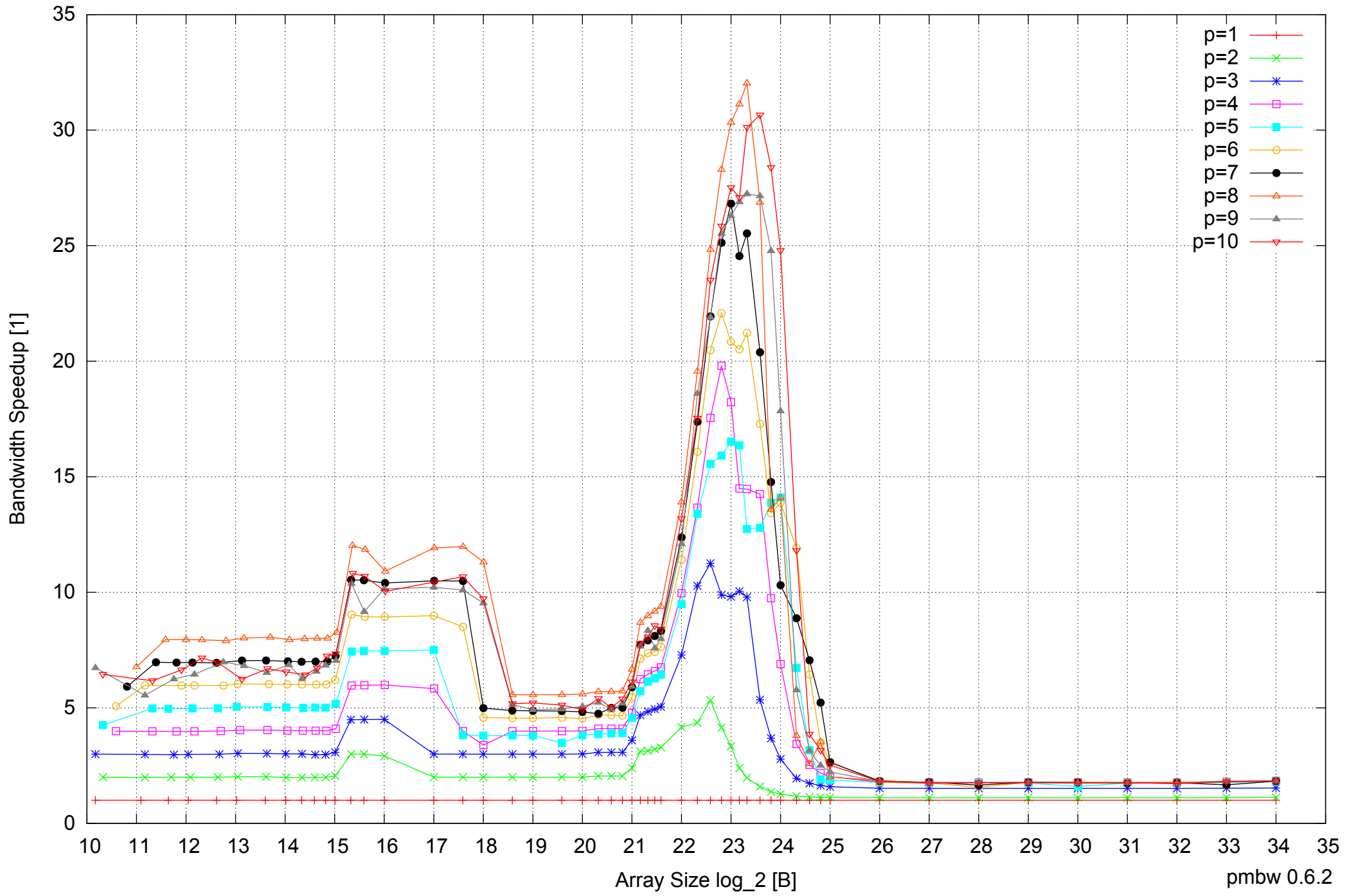
Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanWrite64IndexUnrollLoop



Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite64IndexUnrollLoop



Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexUnrollLoop







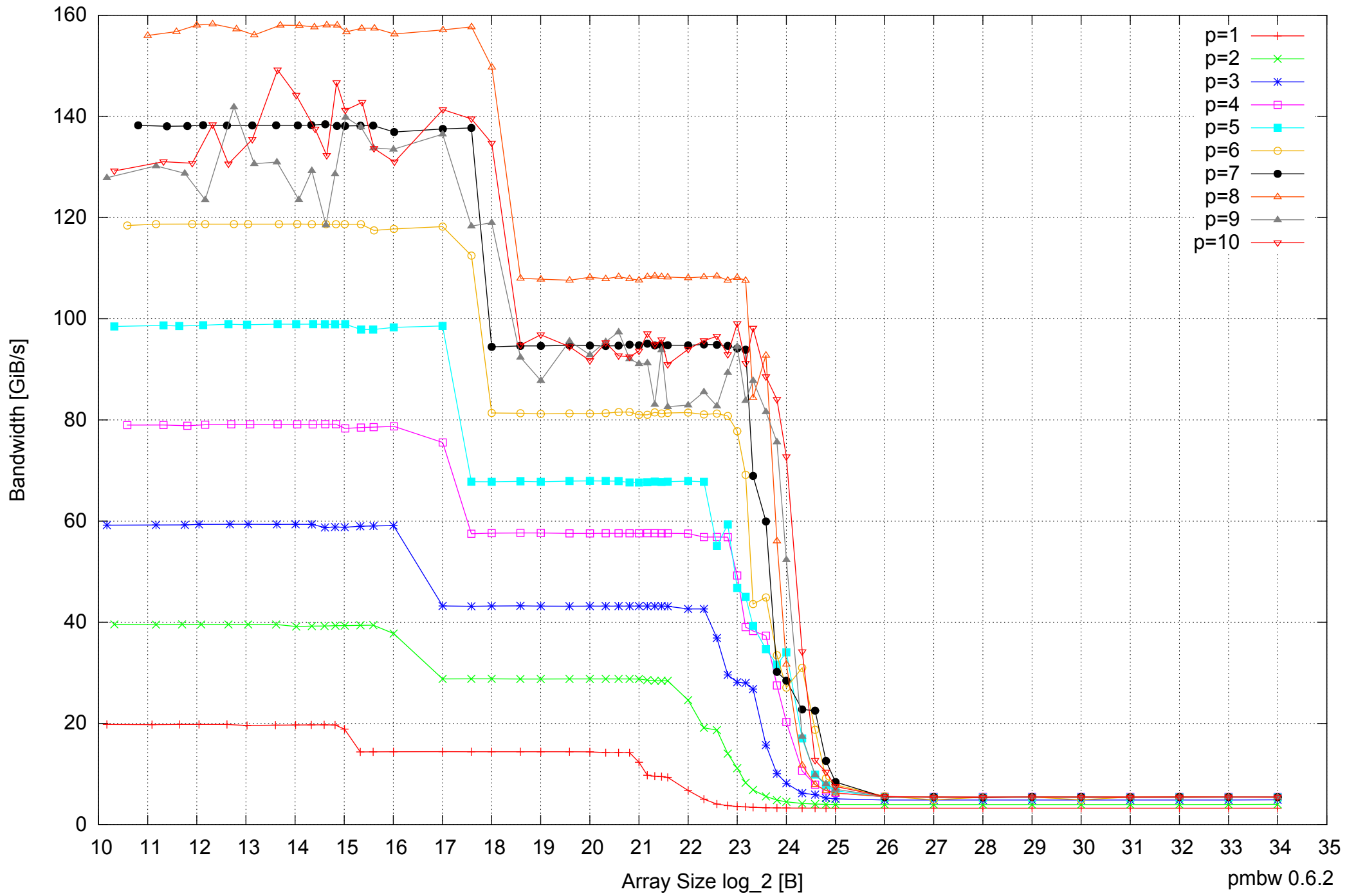






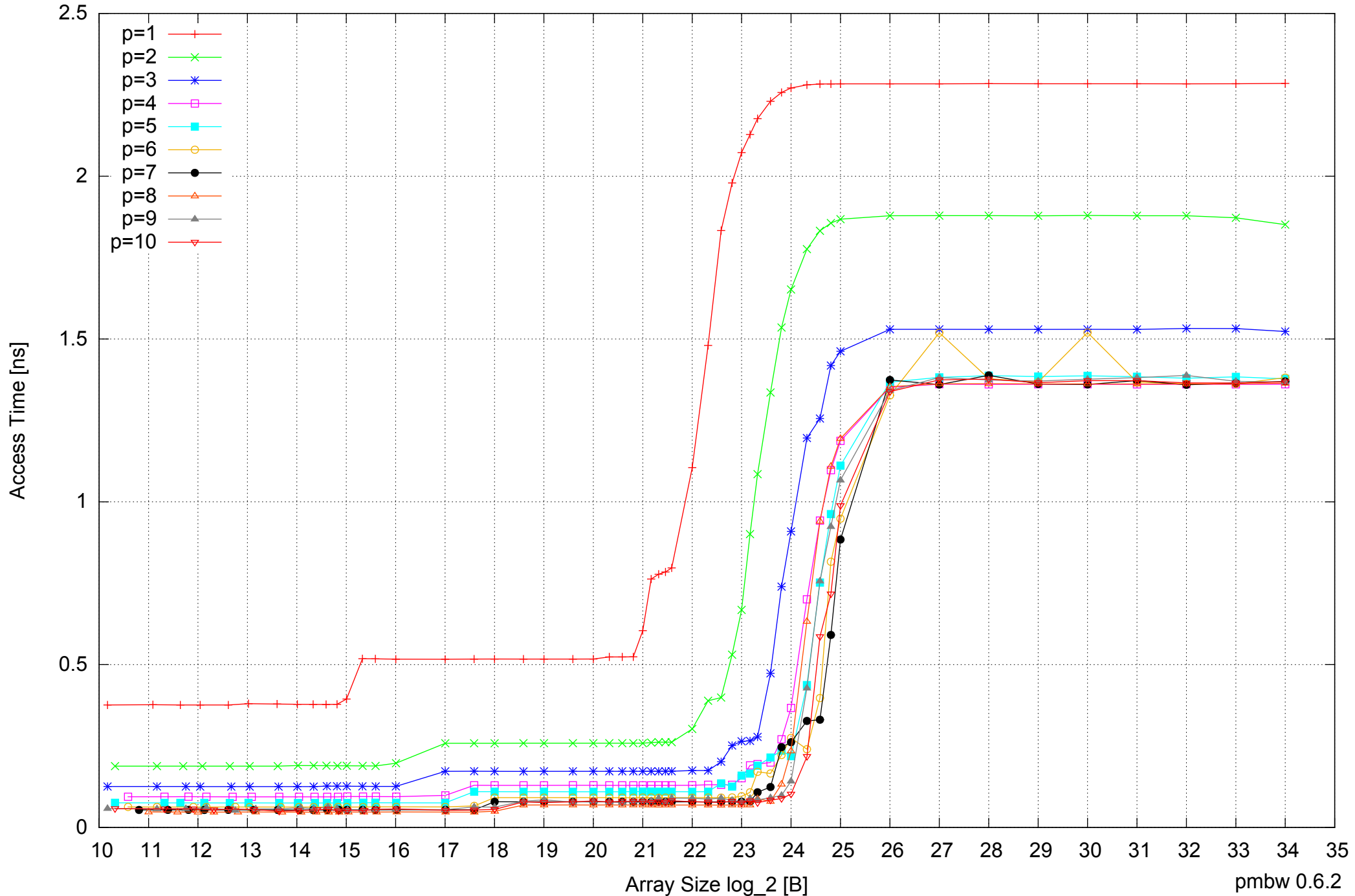


Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop

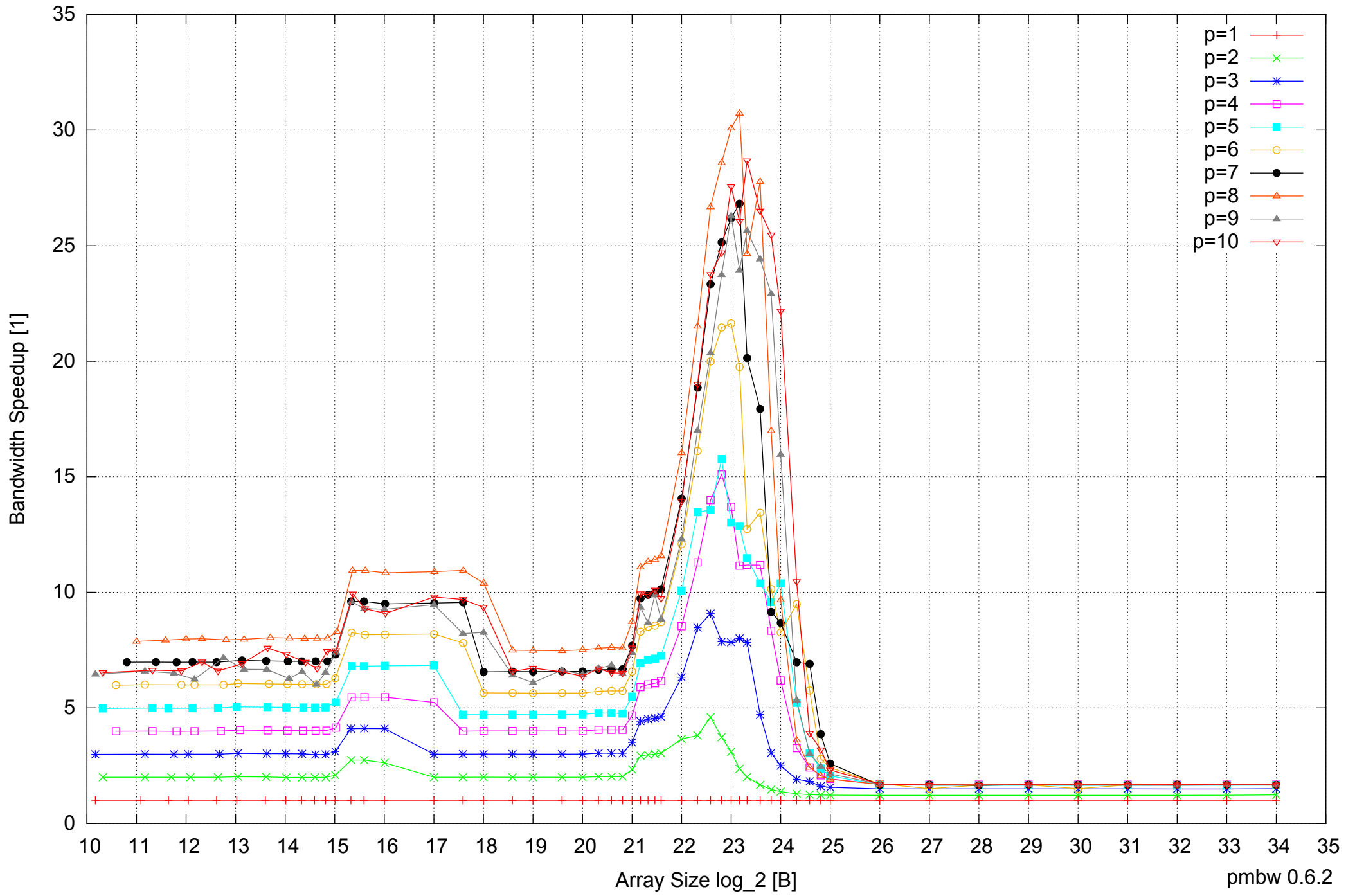


- p=1 +
- p=2 x
- p=3 \*
- p=4 □
- p=5 ■
- p=6 ○
- p=7 ●
- p=8 △
- p=9 ▲
- p=10 ▽

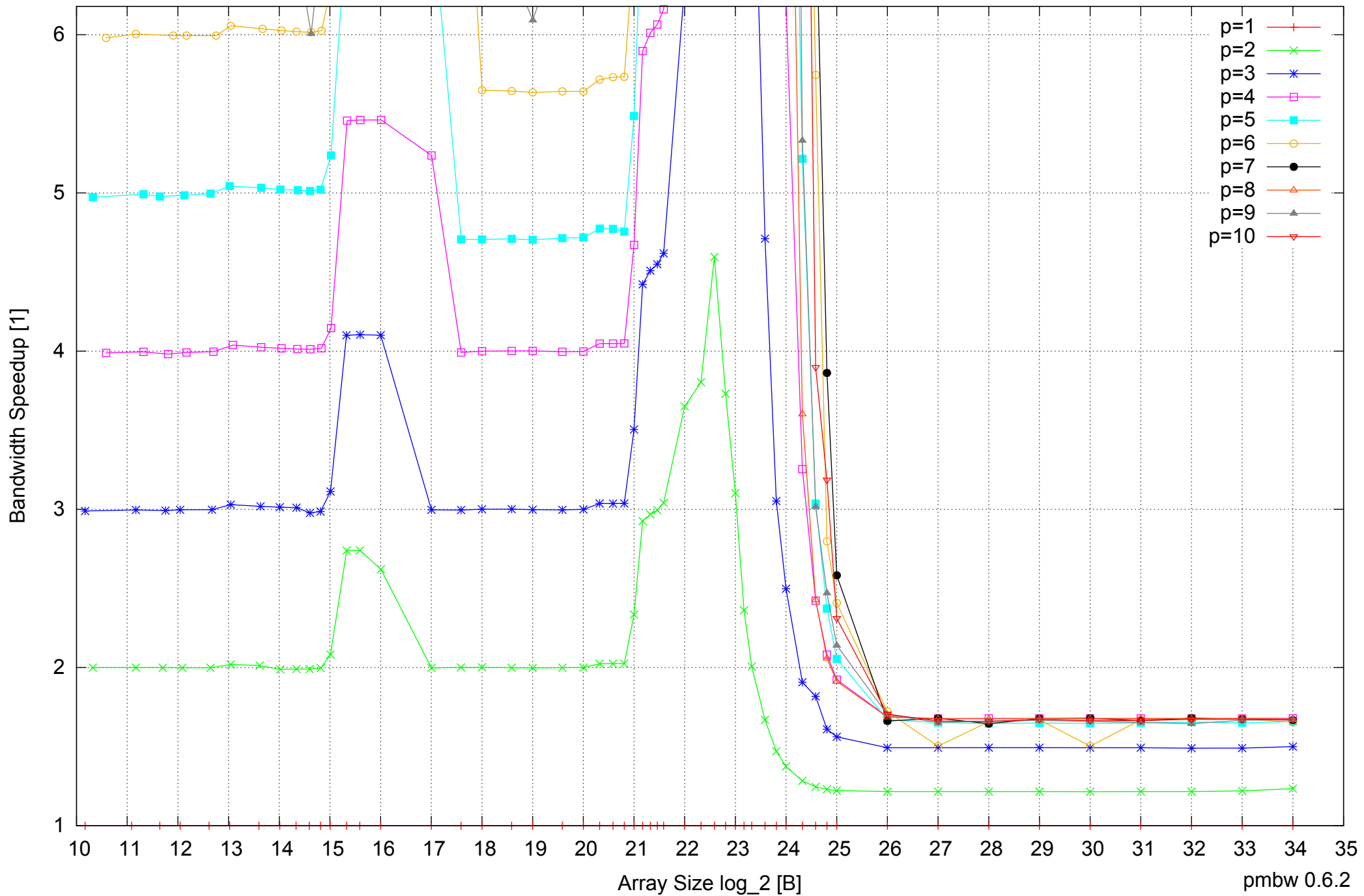
Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanRead64IndexUnrollLoop



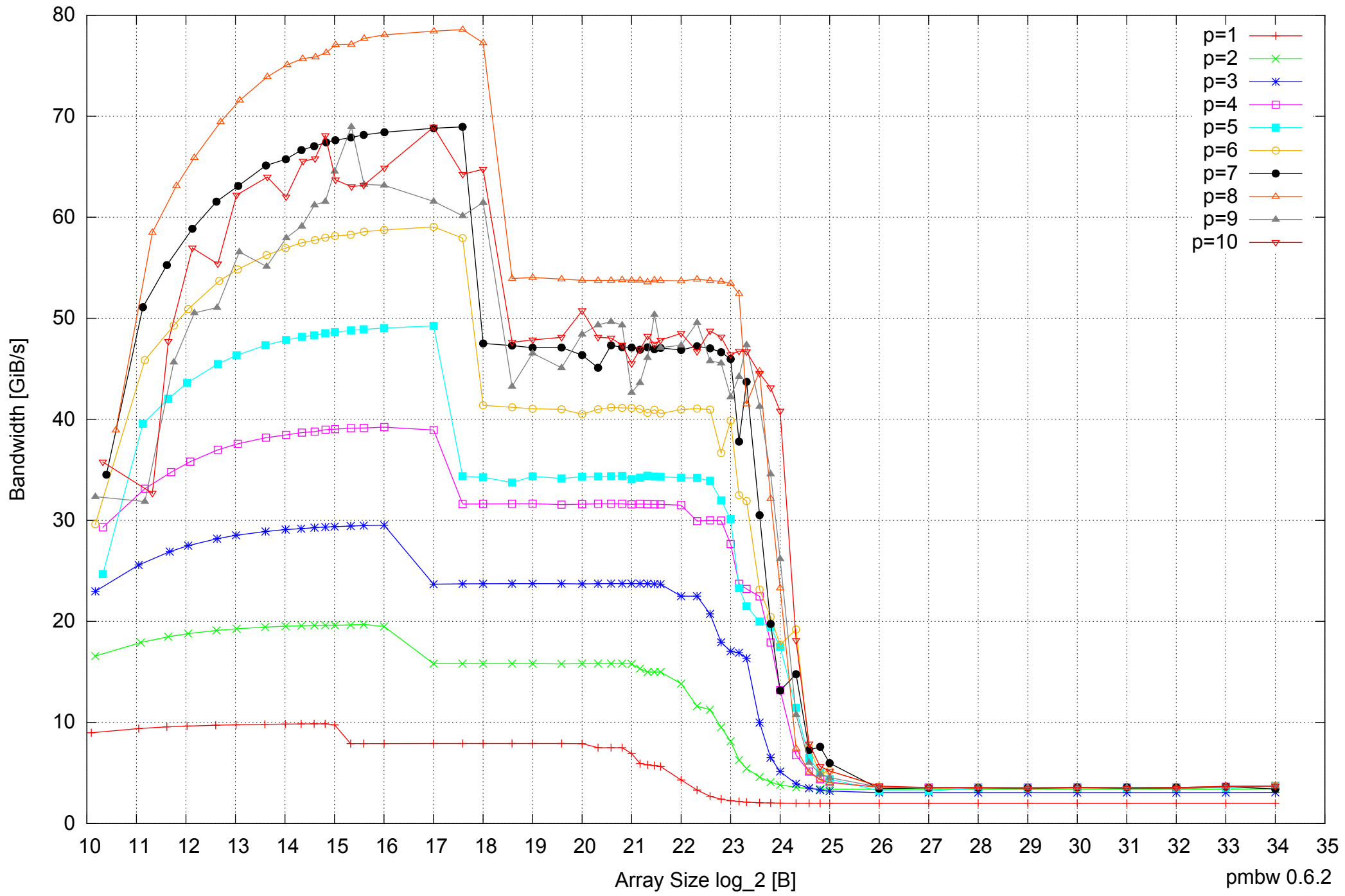
Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop



Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64IndexUnrollLoop



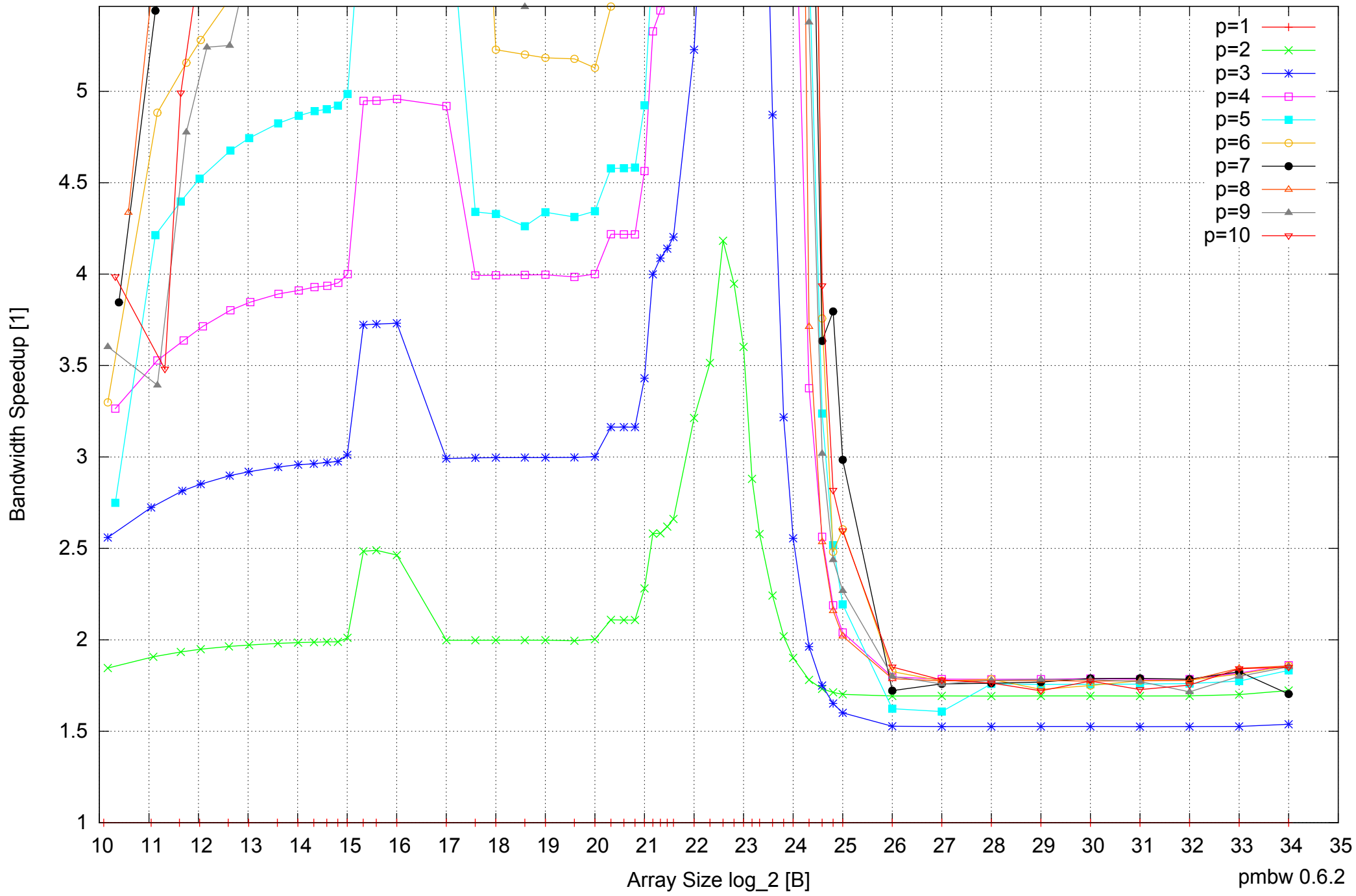
Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop







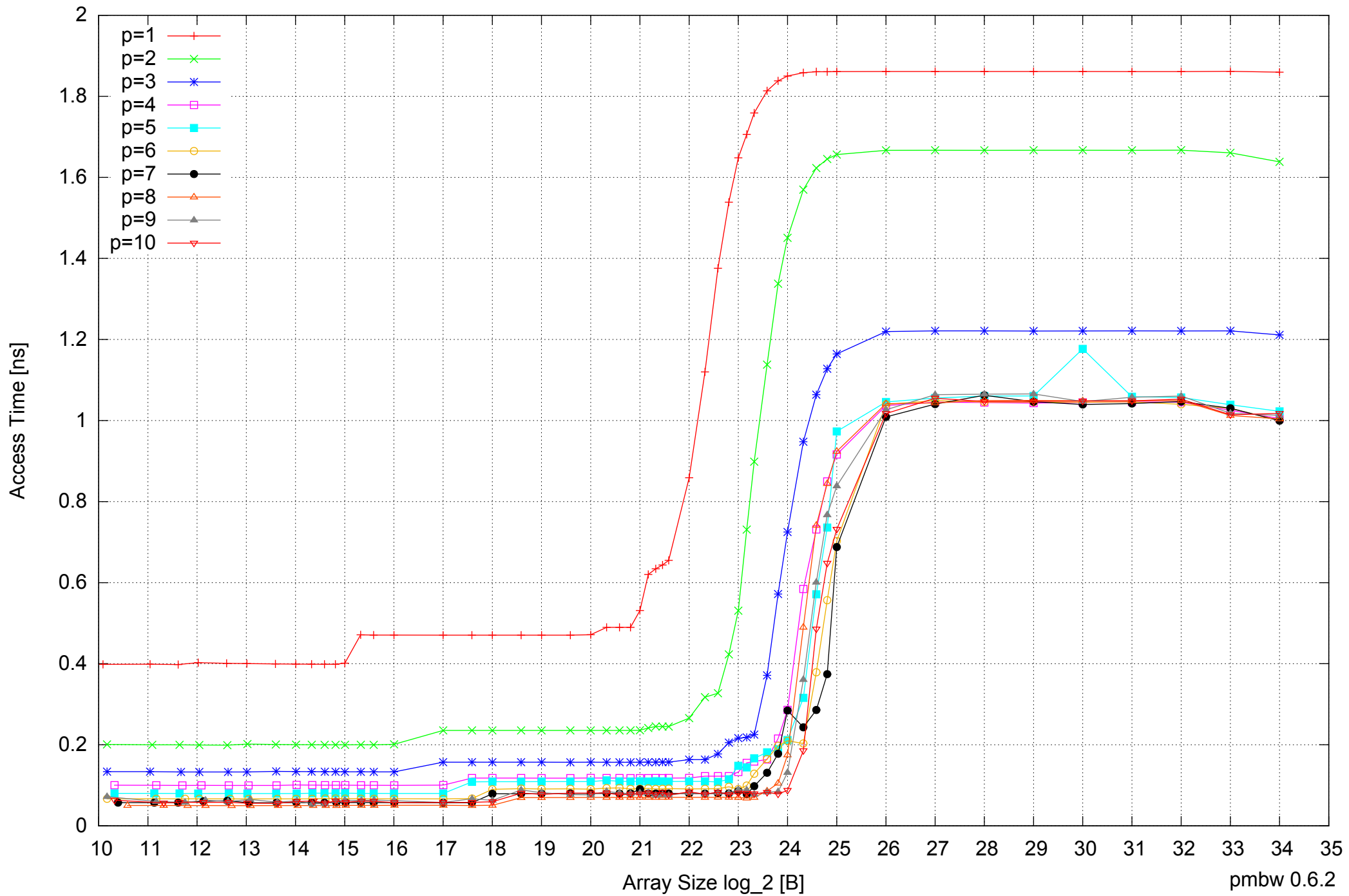
Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop





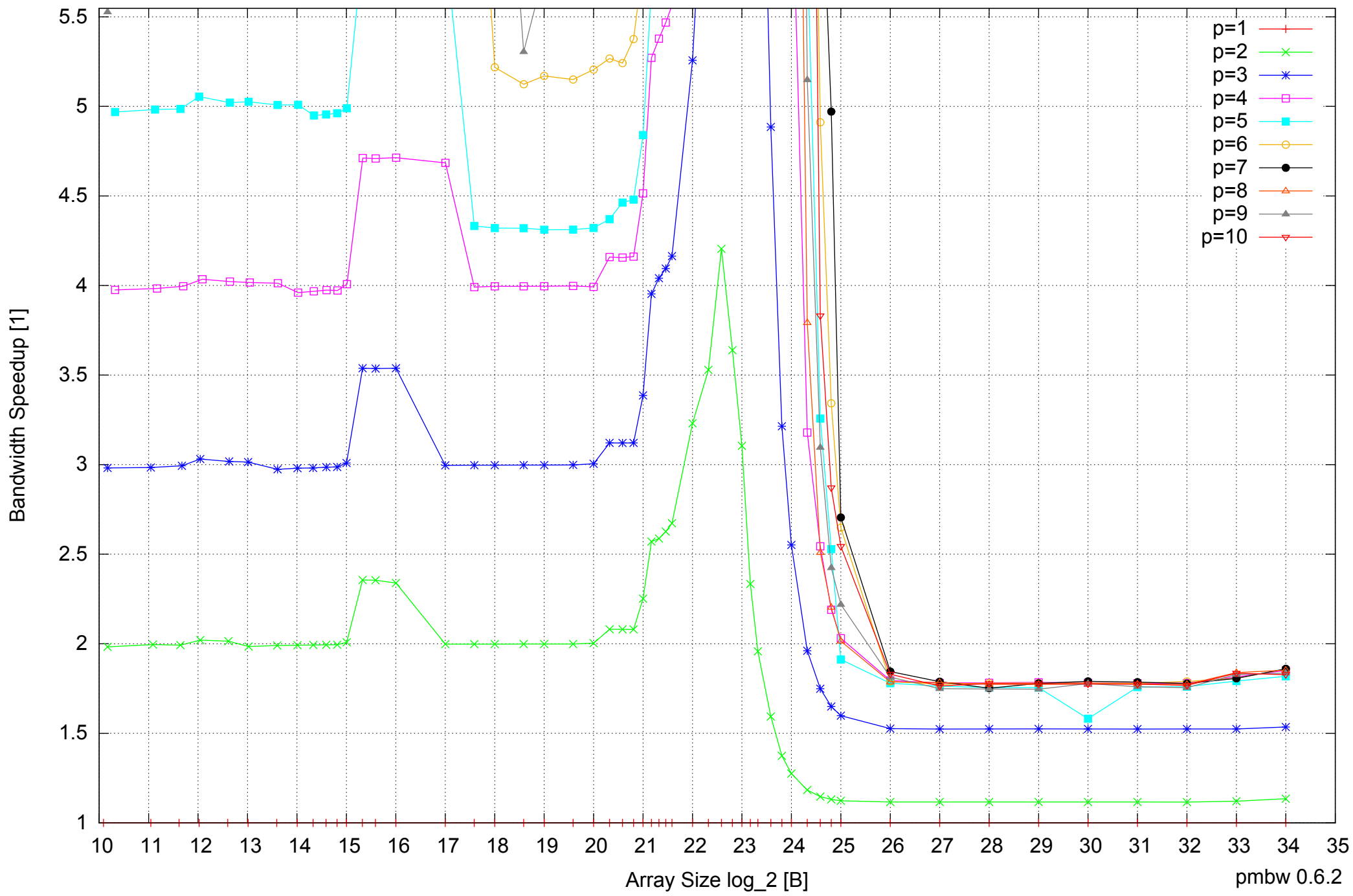


Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop

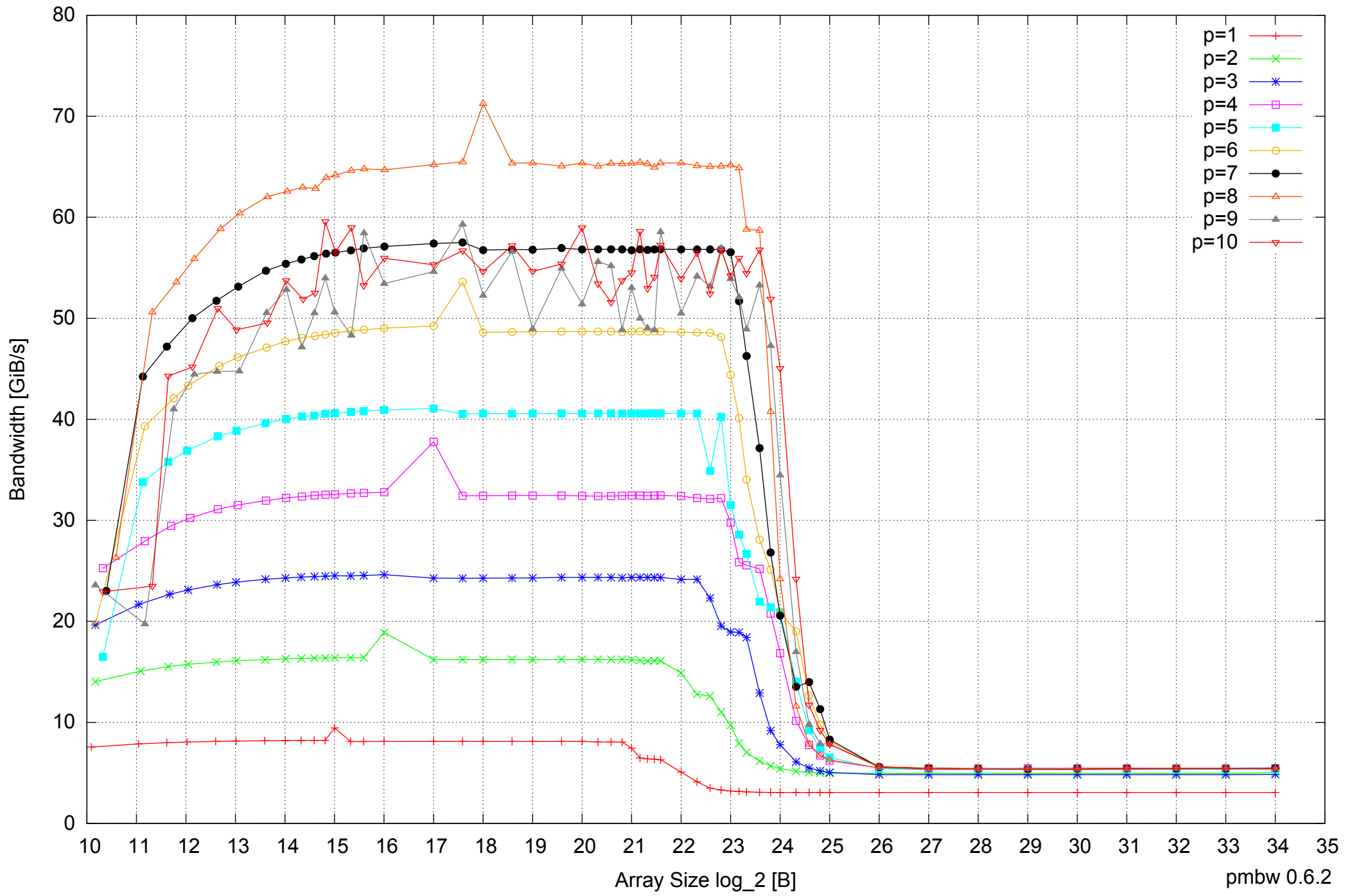




Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop

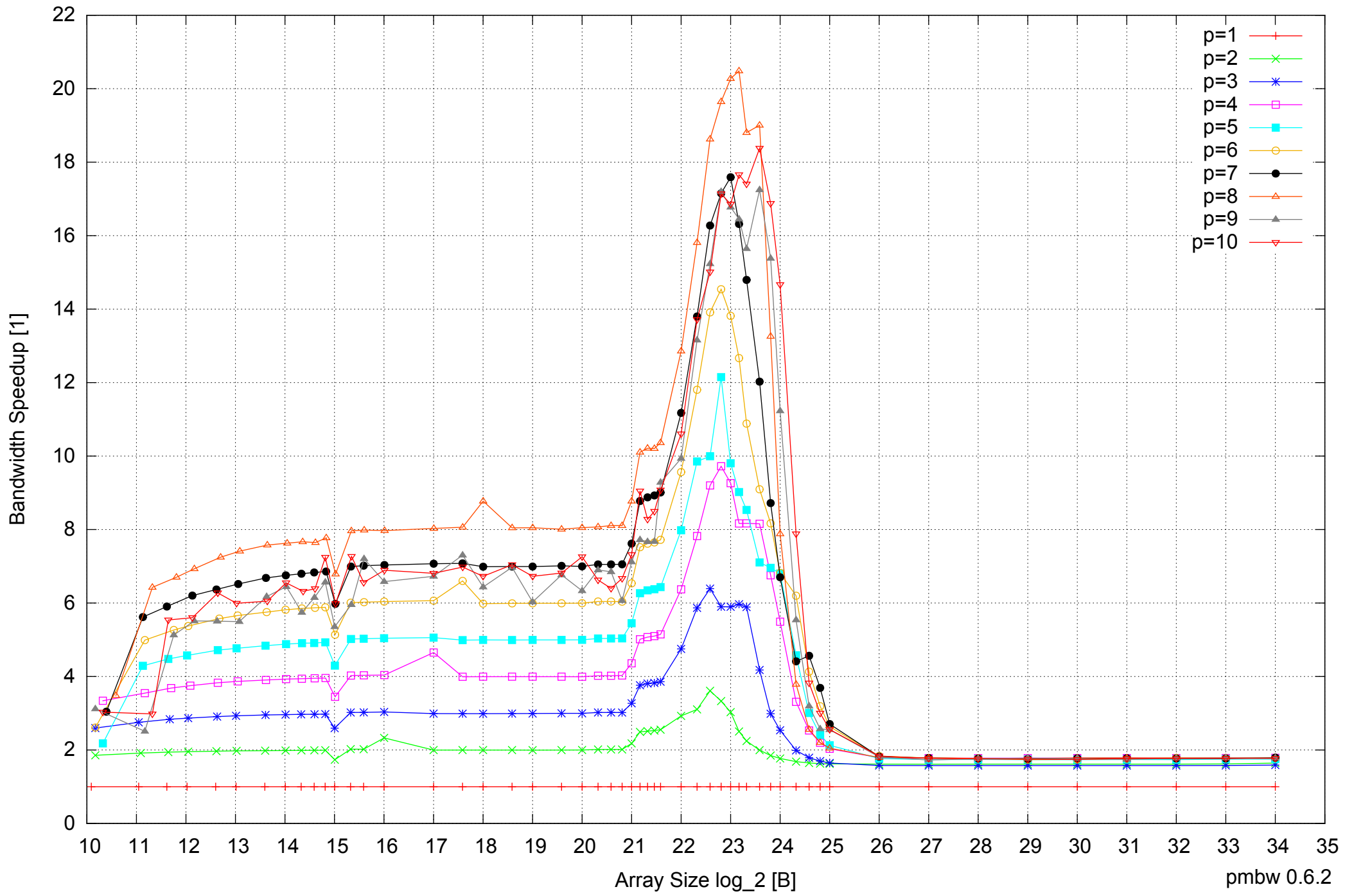


Intel Xeon X5355 24GB - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop





Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop

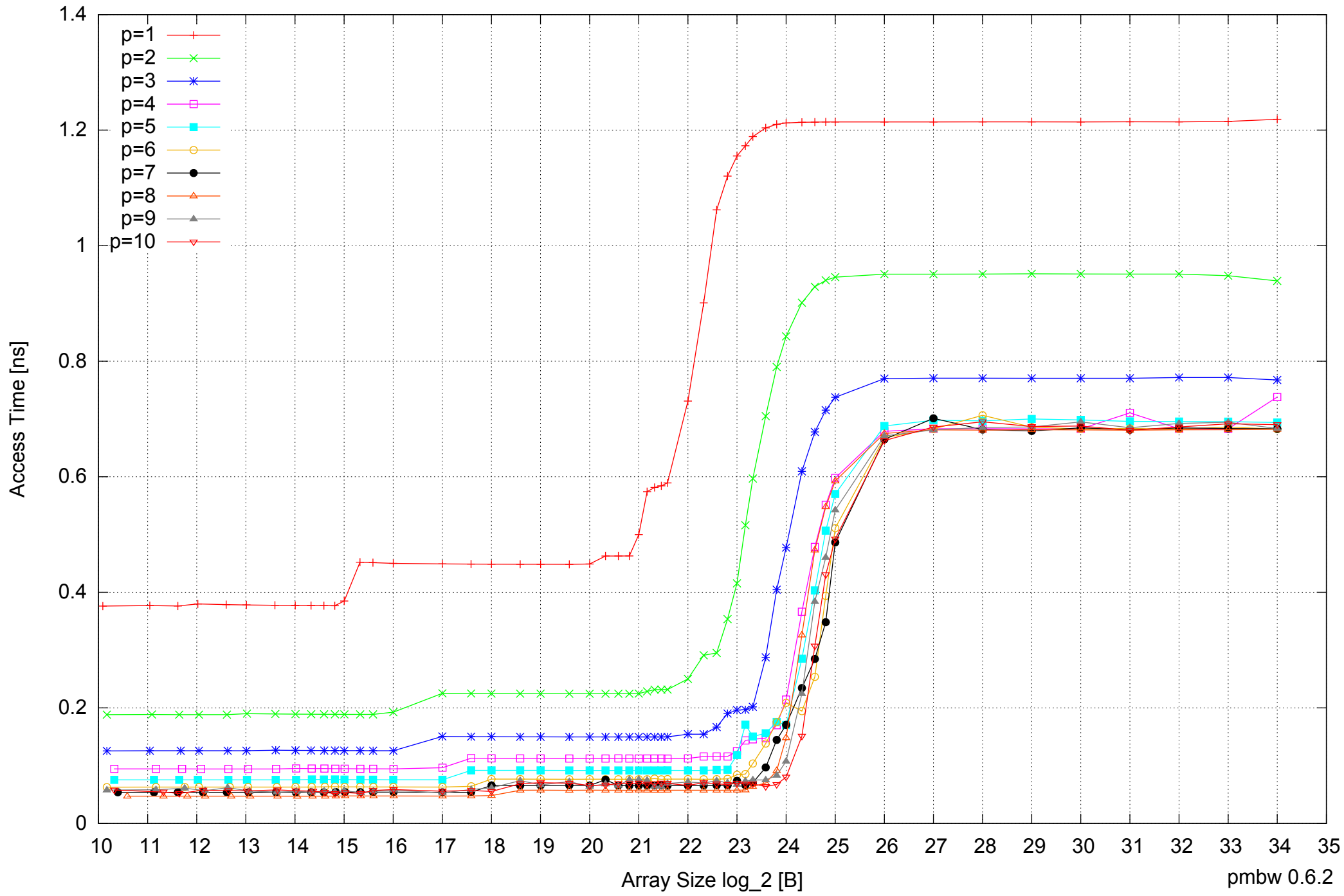




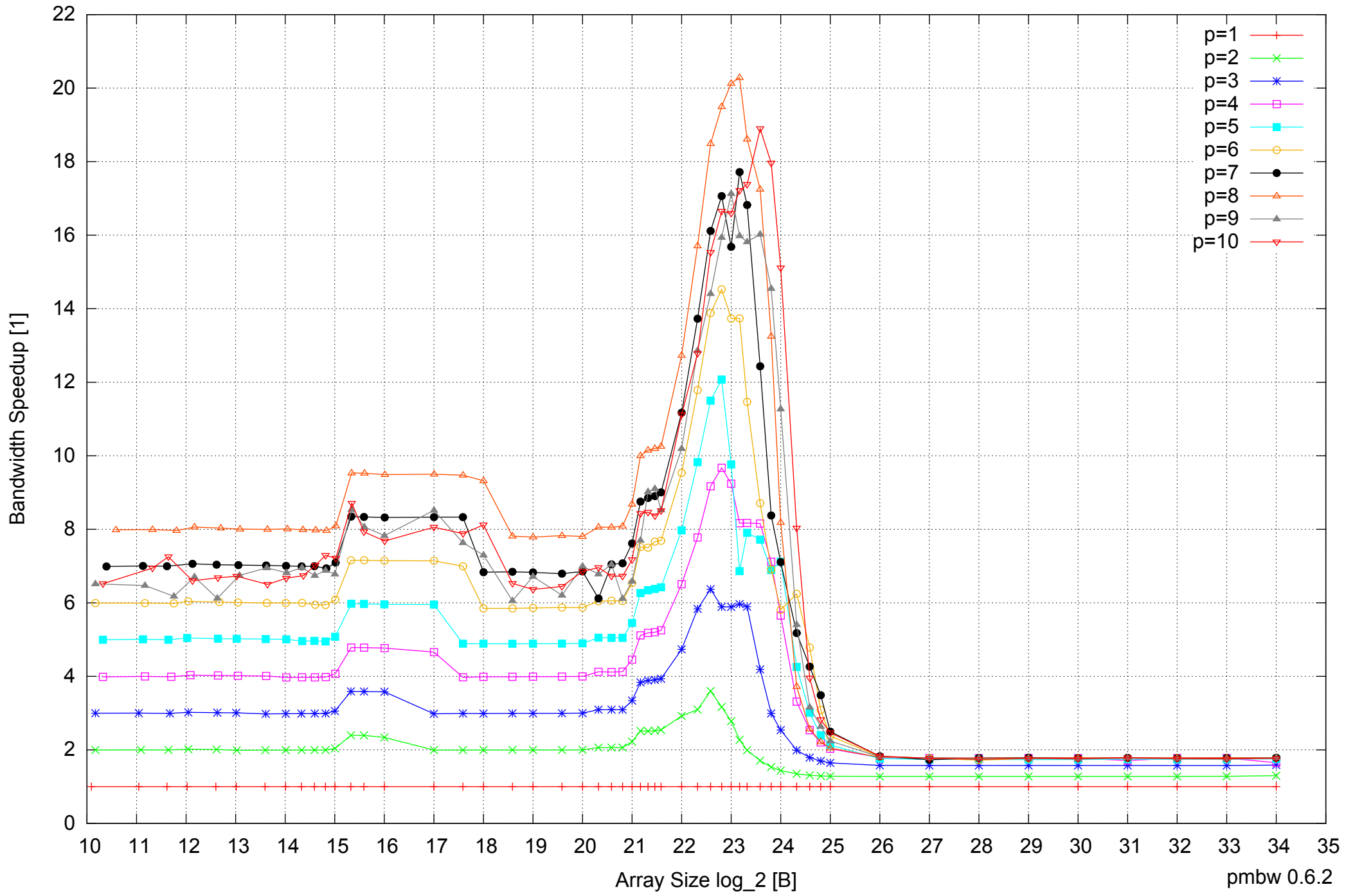




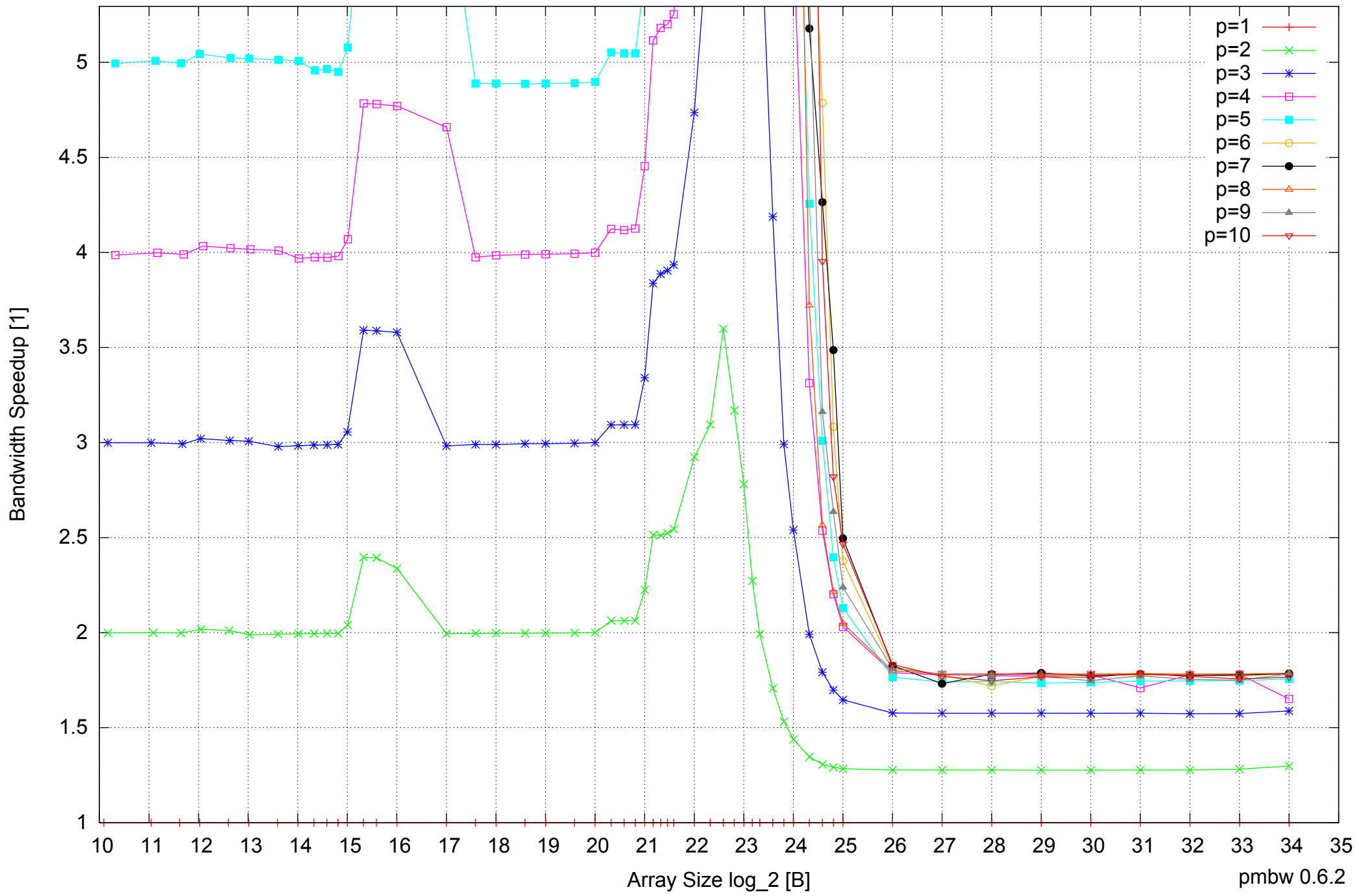
Intel Xeon X5355 24GB - Parallel Memory Access Time - ScanRead32PtrUnrollLoop



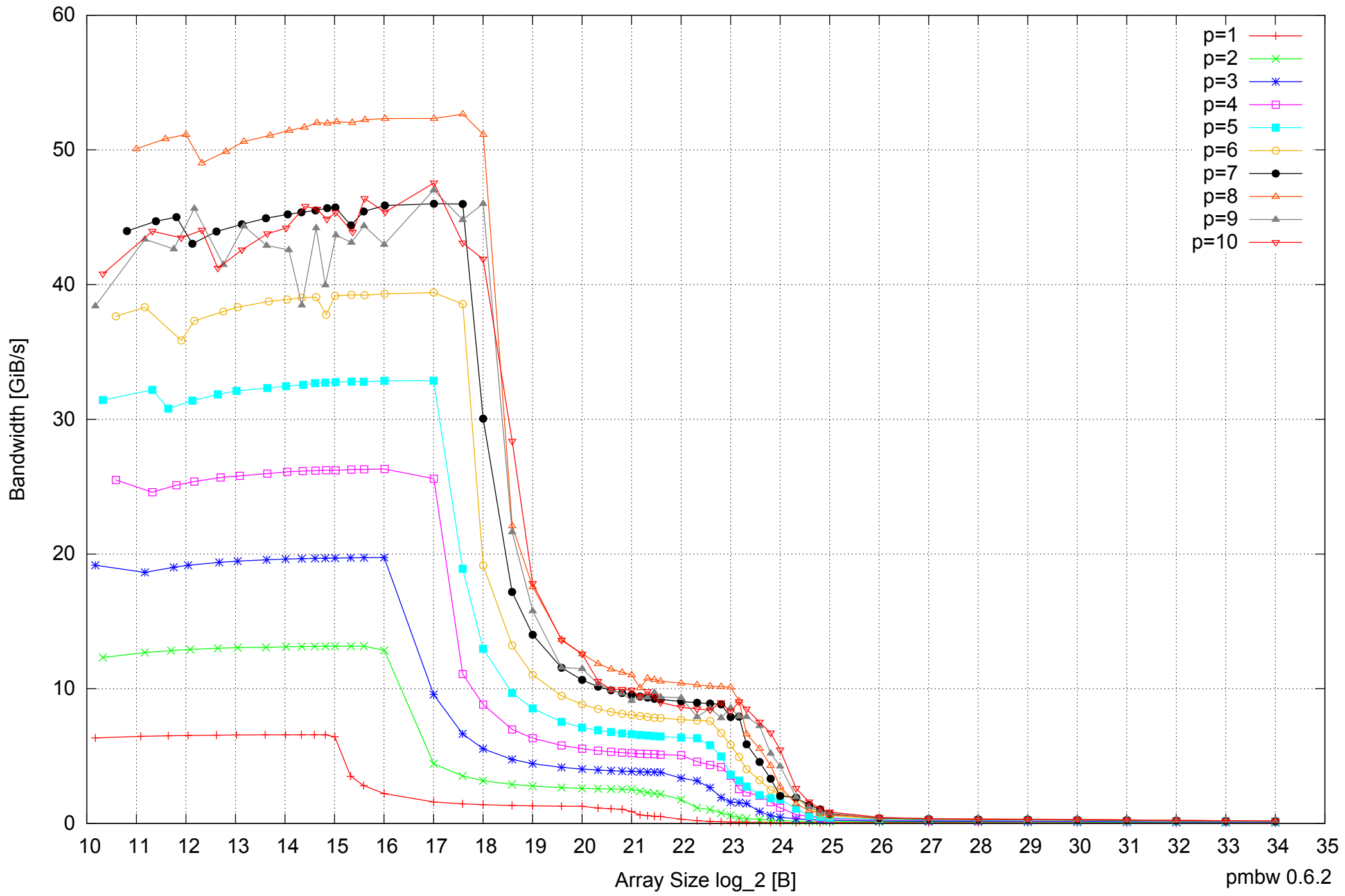
Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



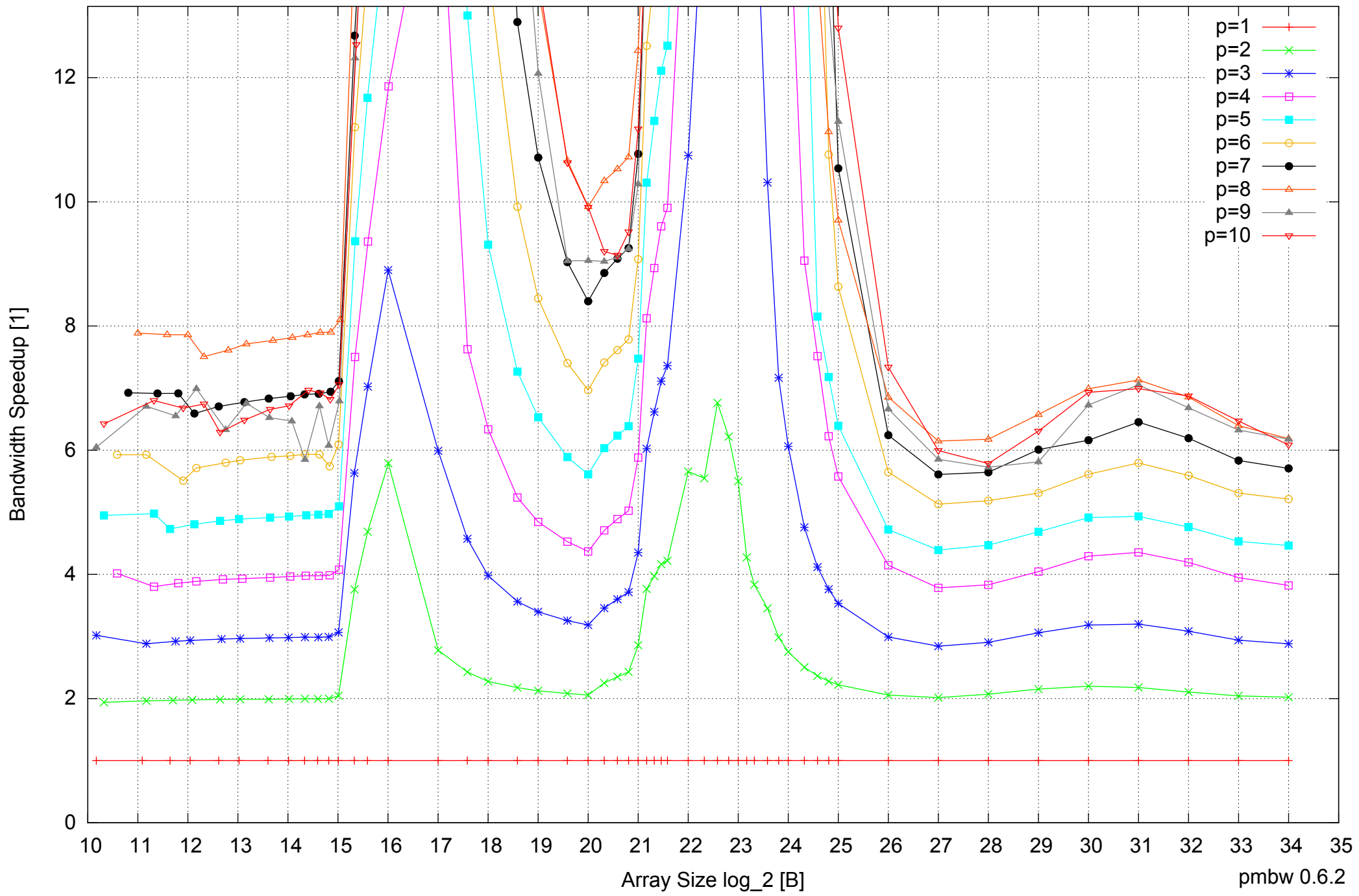
Intel Xeon X5355 24GB - Parallel Memory Bandwidth - PermRead64SimpleLoop





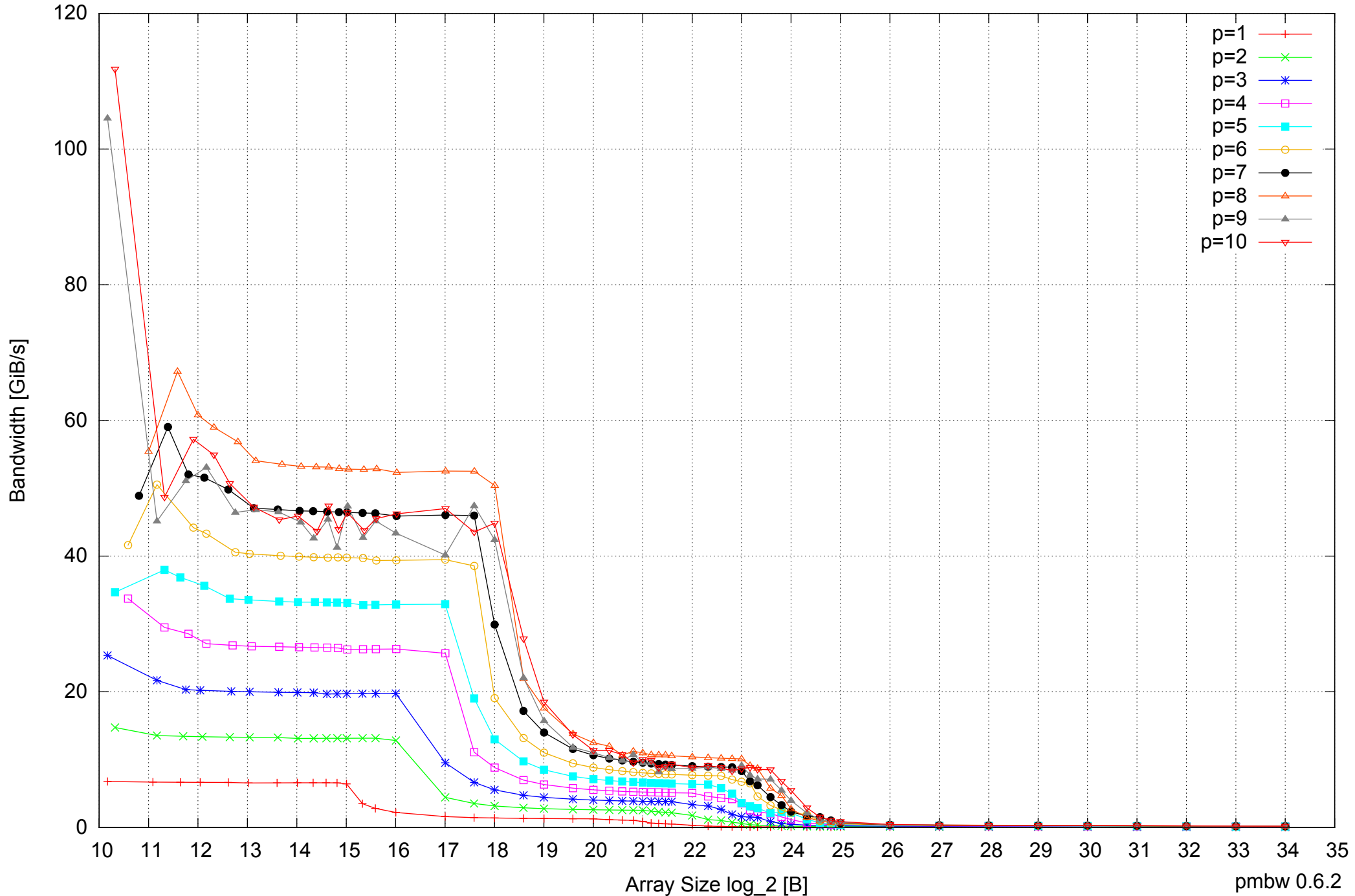


Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64SimpleLoop





Intel Xeon X5355 24GB - Parallel Memory Bandwidth - PermRead64UnrollLoop







Intel Xeon X5355 24GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64UnrollLoop

