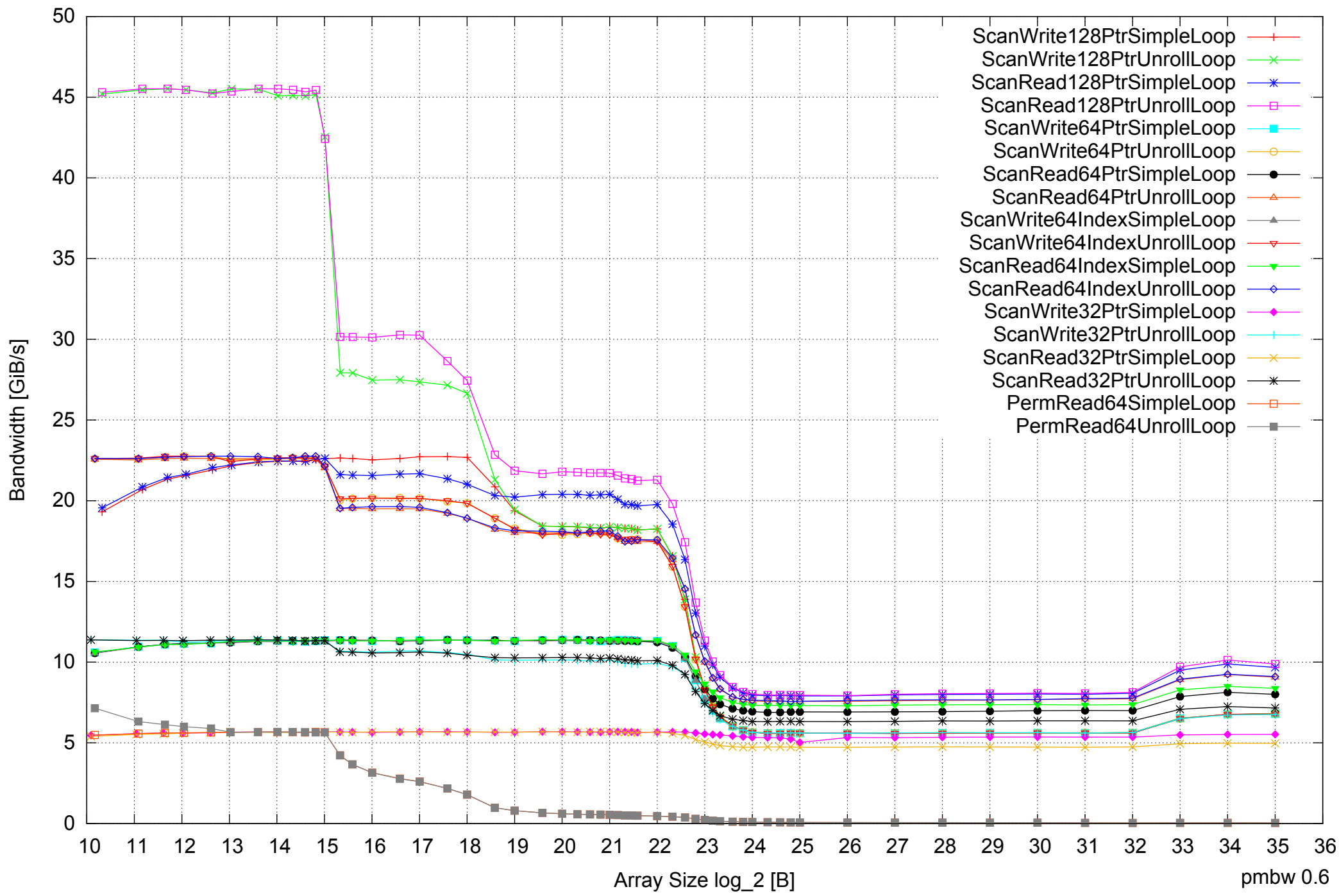
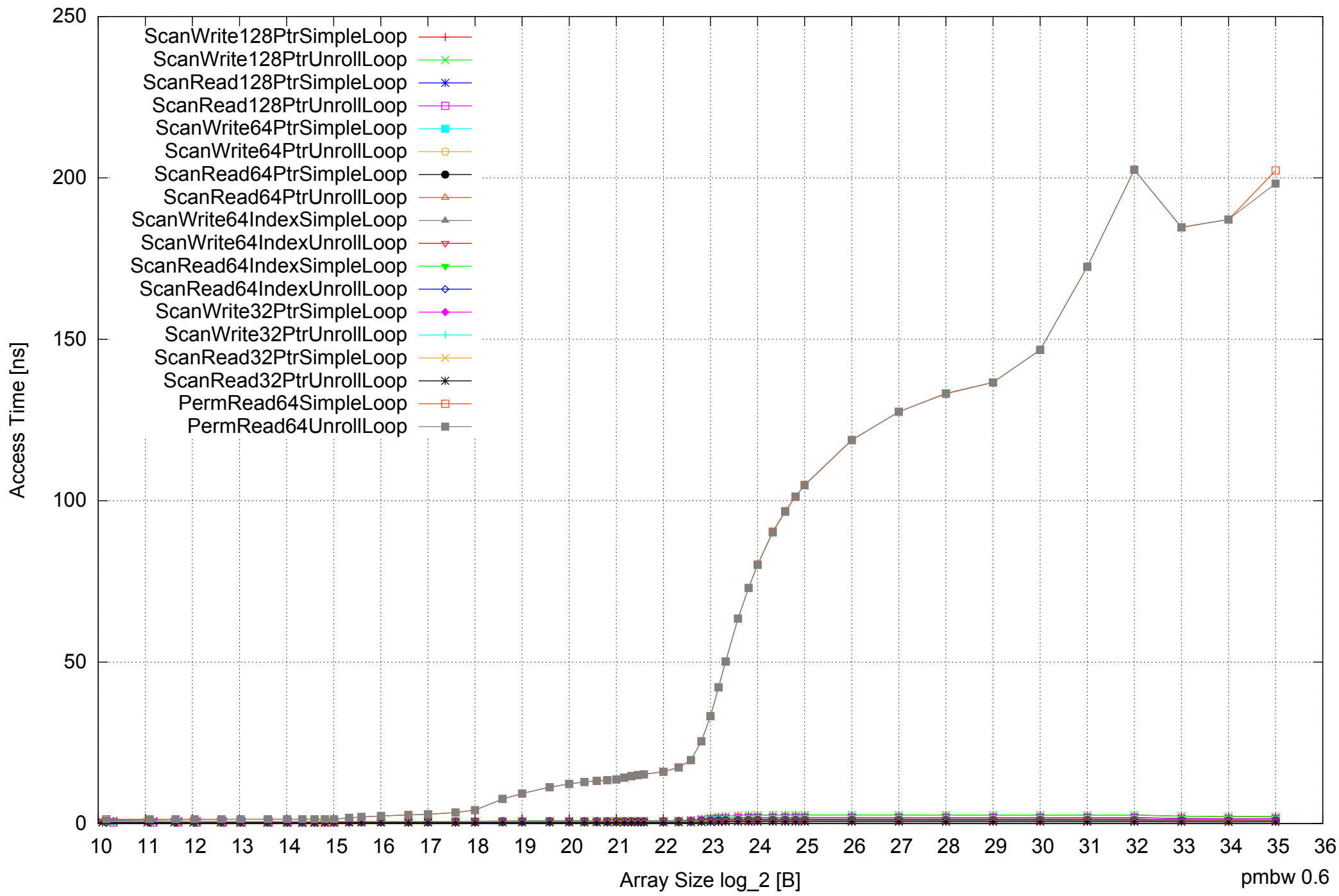


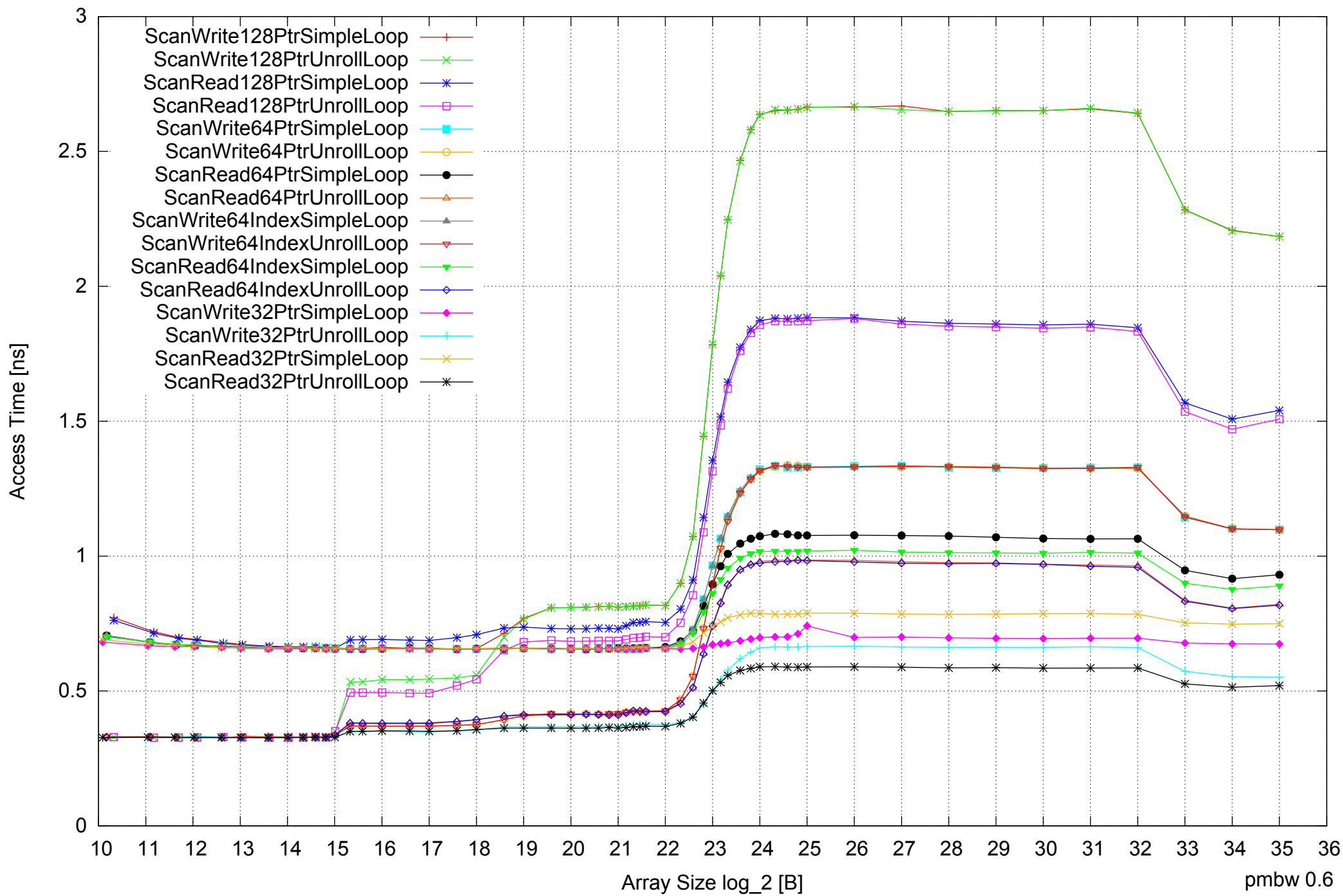
Intel Xeon X5550 48GB - One Thread Memory Bandwidth



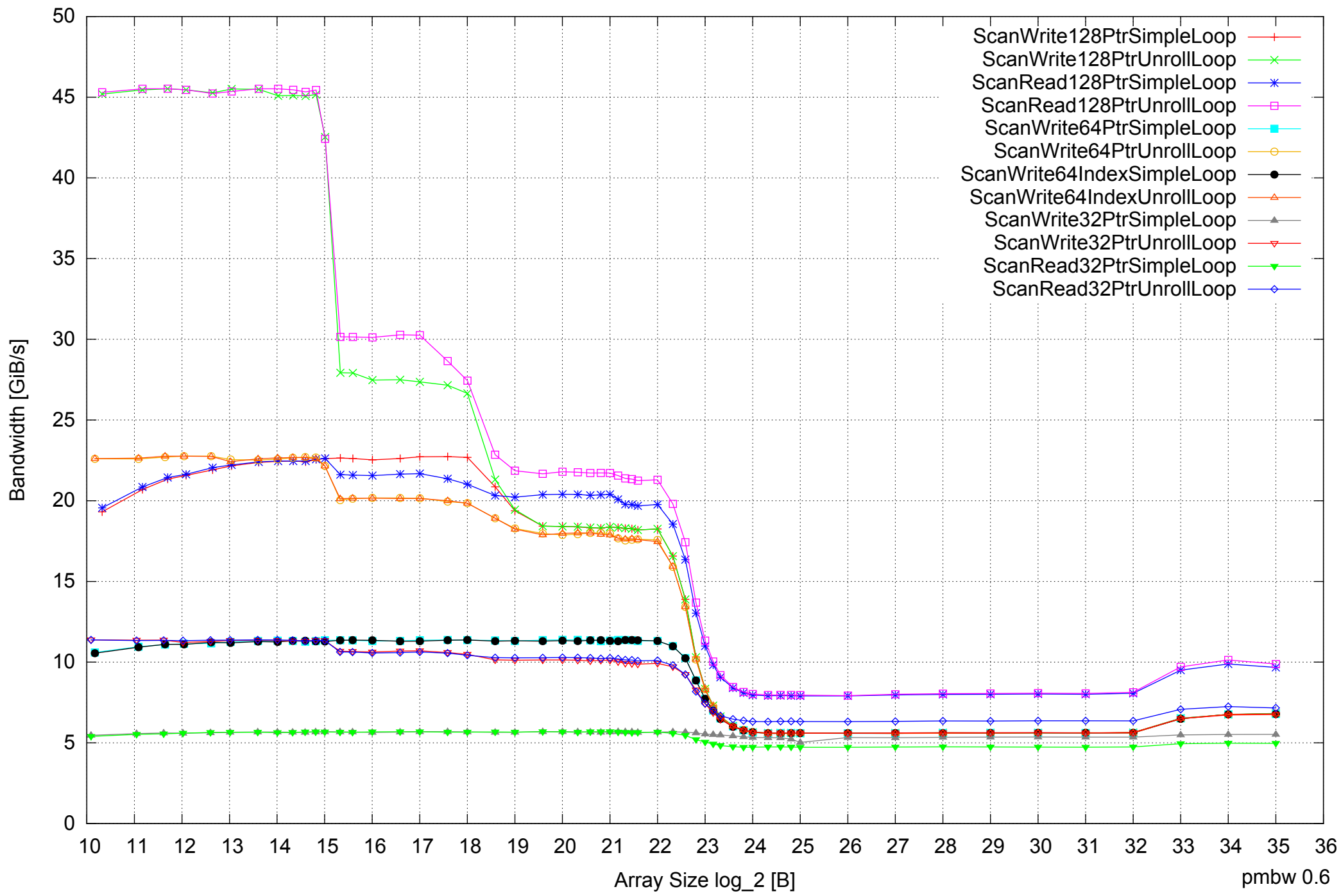
Intel Xeon X5550 48GB - One Thread Memory Latency



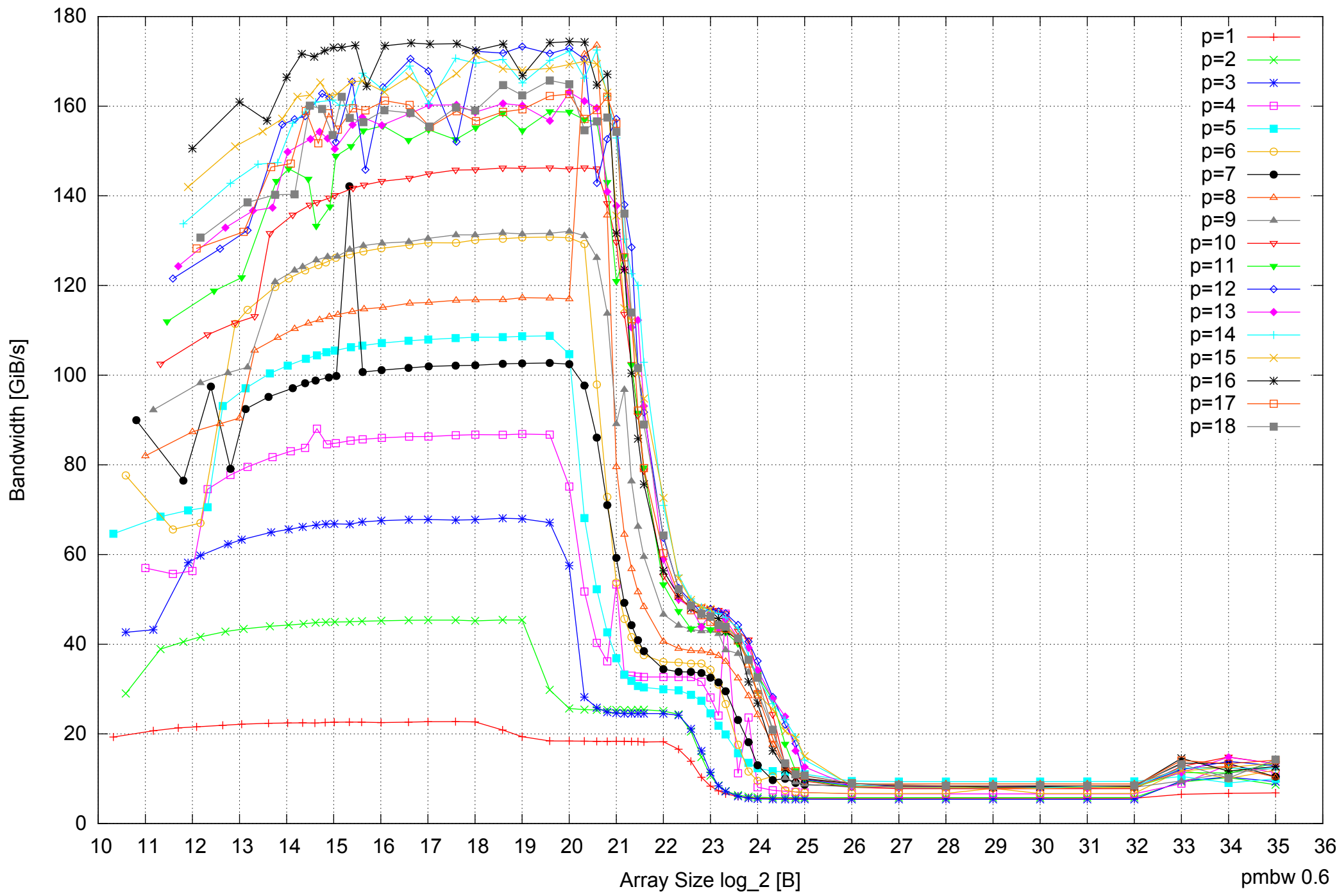
Intel Xeon X5550 48GB - One Thread Memory Latency (excluding Permutation)



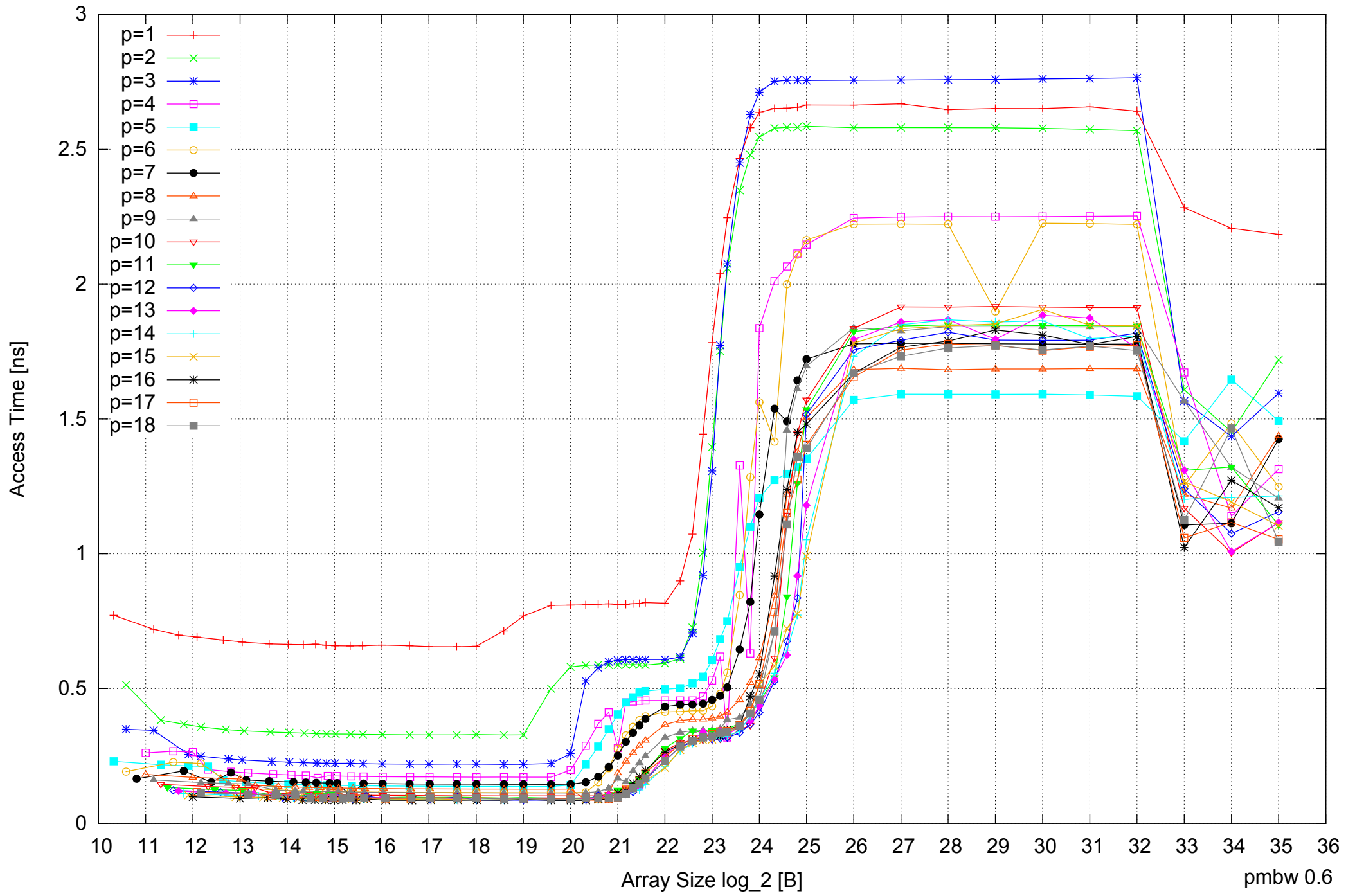
Intel Xeon X5550 48GB - One Thread Memory Bandwidth (only 64-bit Reads)



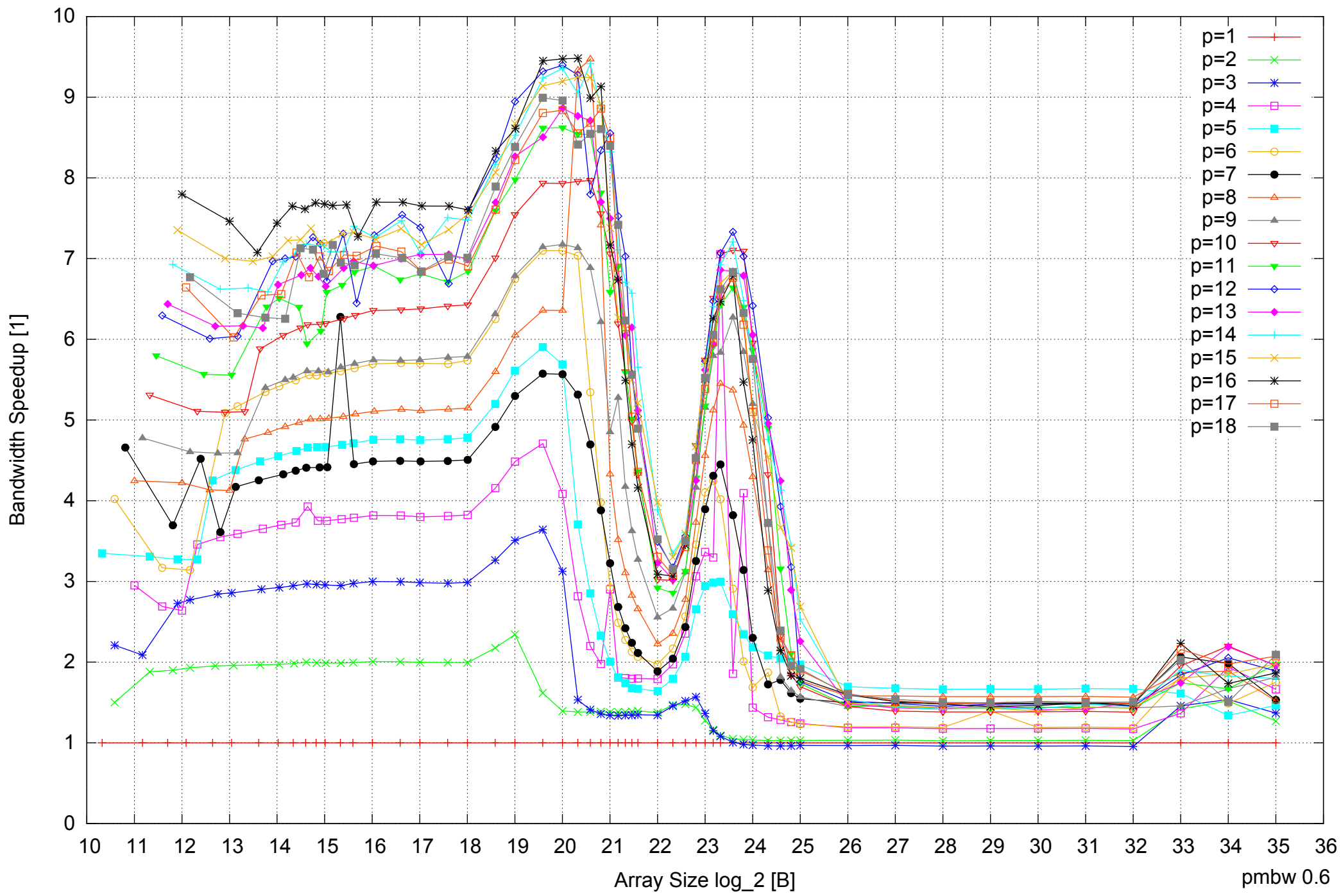
## Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite128PtrSimpleLoop



Intel Xeon X5550 48GB - Memory Latency - ScanWrite128PtrSimpleLoop

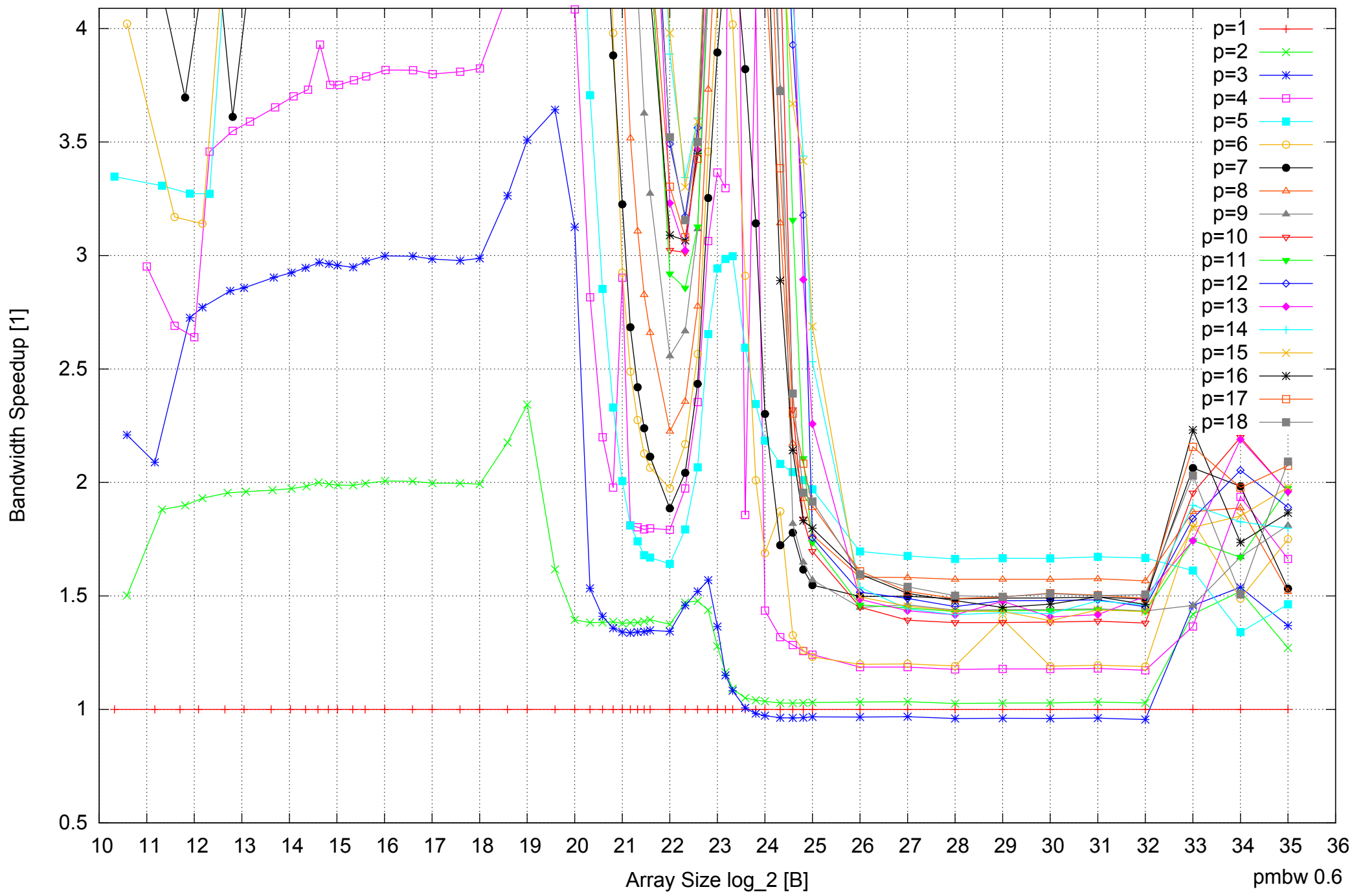


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite128PtrSimpleLoop



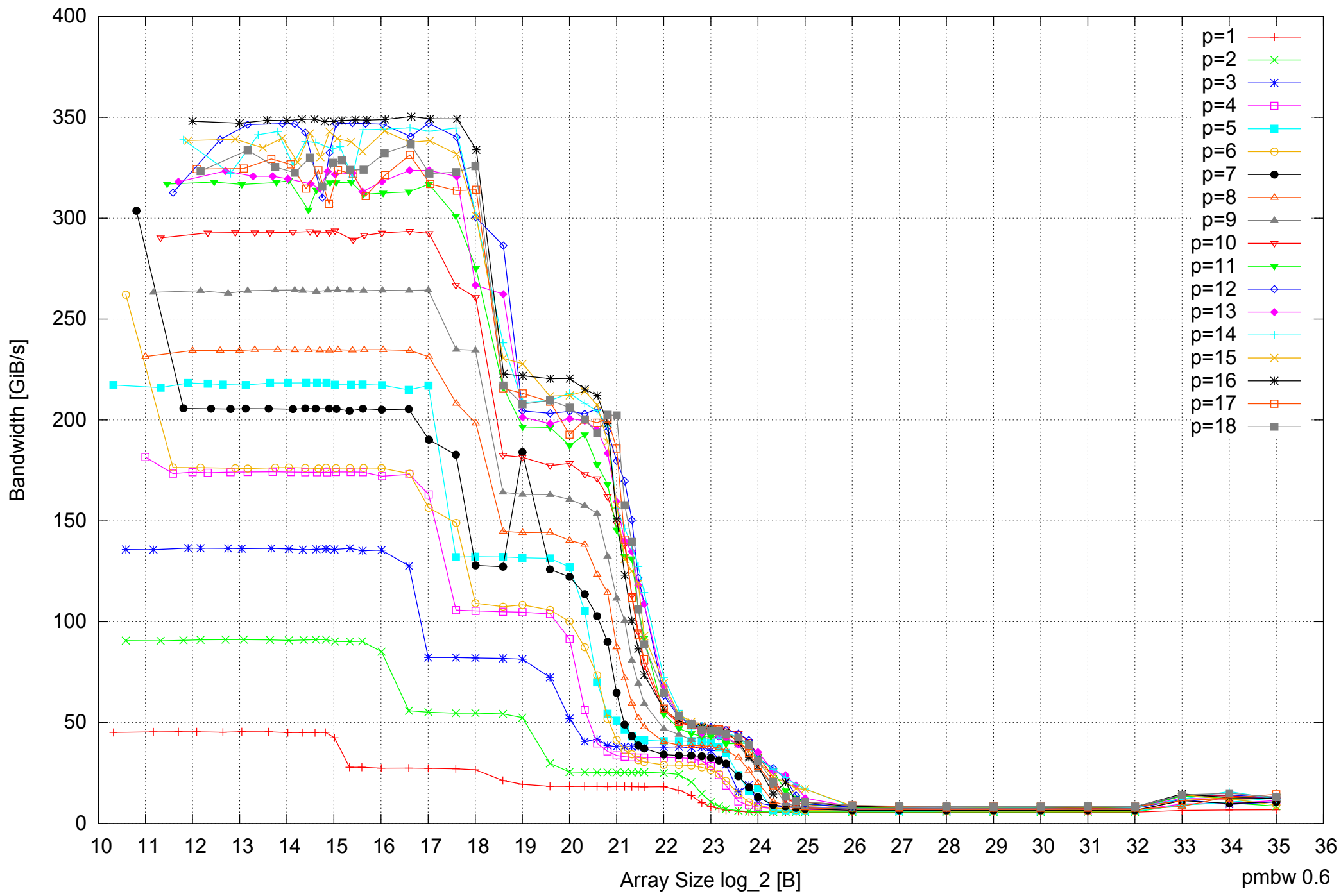


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrSimpleLoop

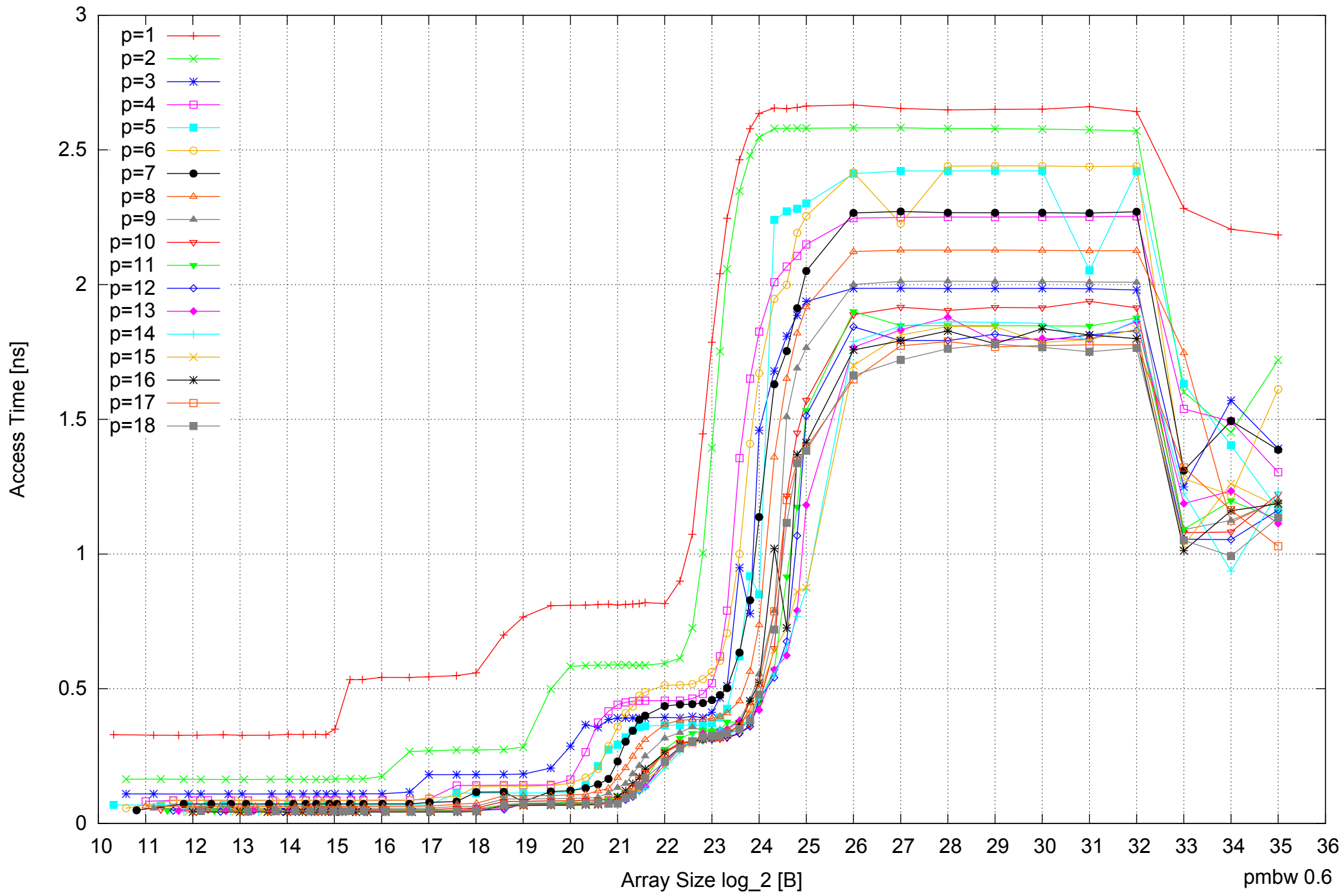




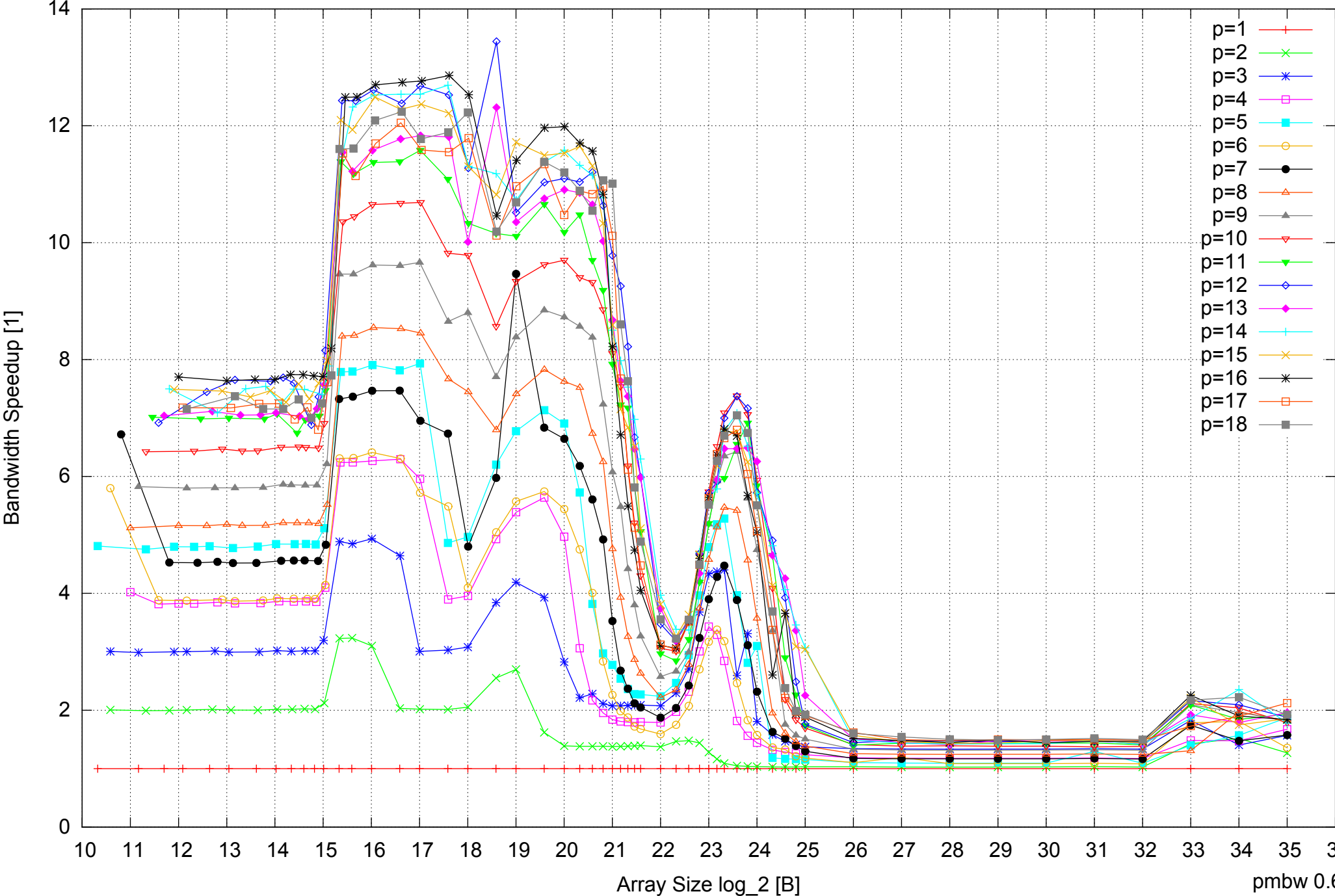
Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite128PtrUnrollLoop



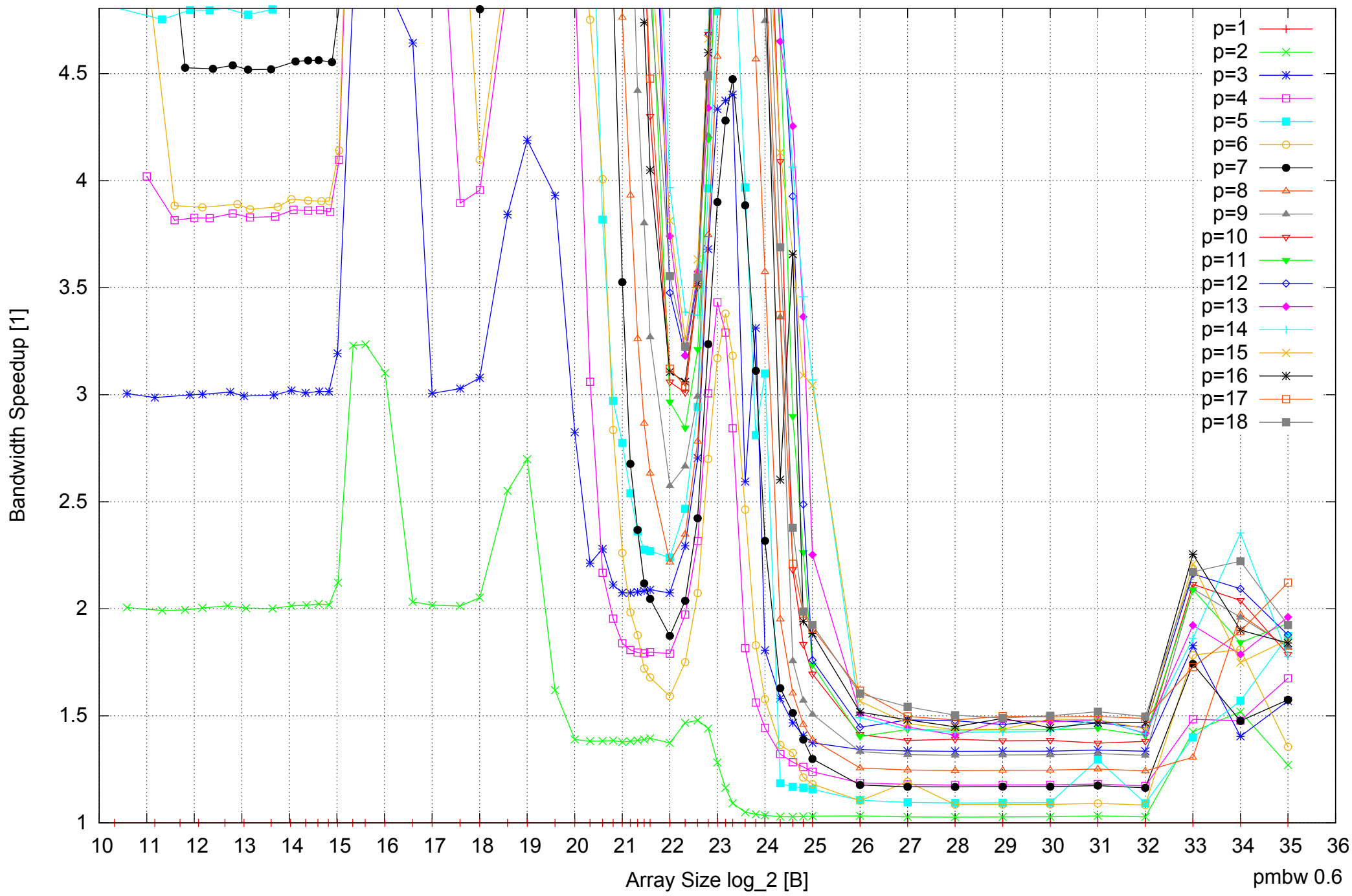
Intel Xeon X5550 48GB - Memory Latency - ScanWrite128PtrUnrollLoop



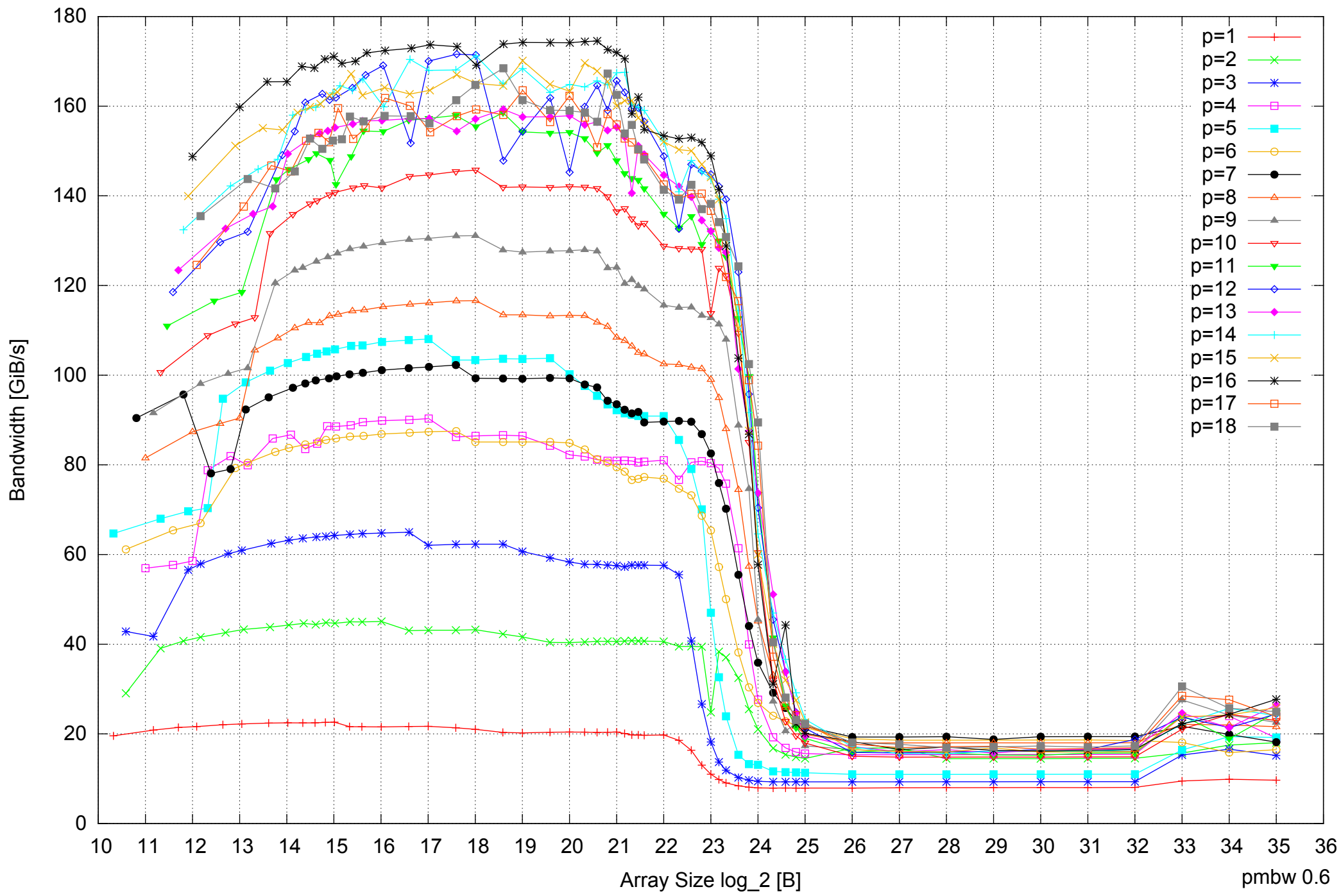
## Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite128PtrUnrollLoop



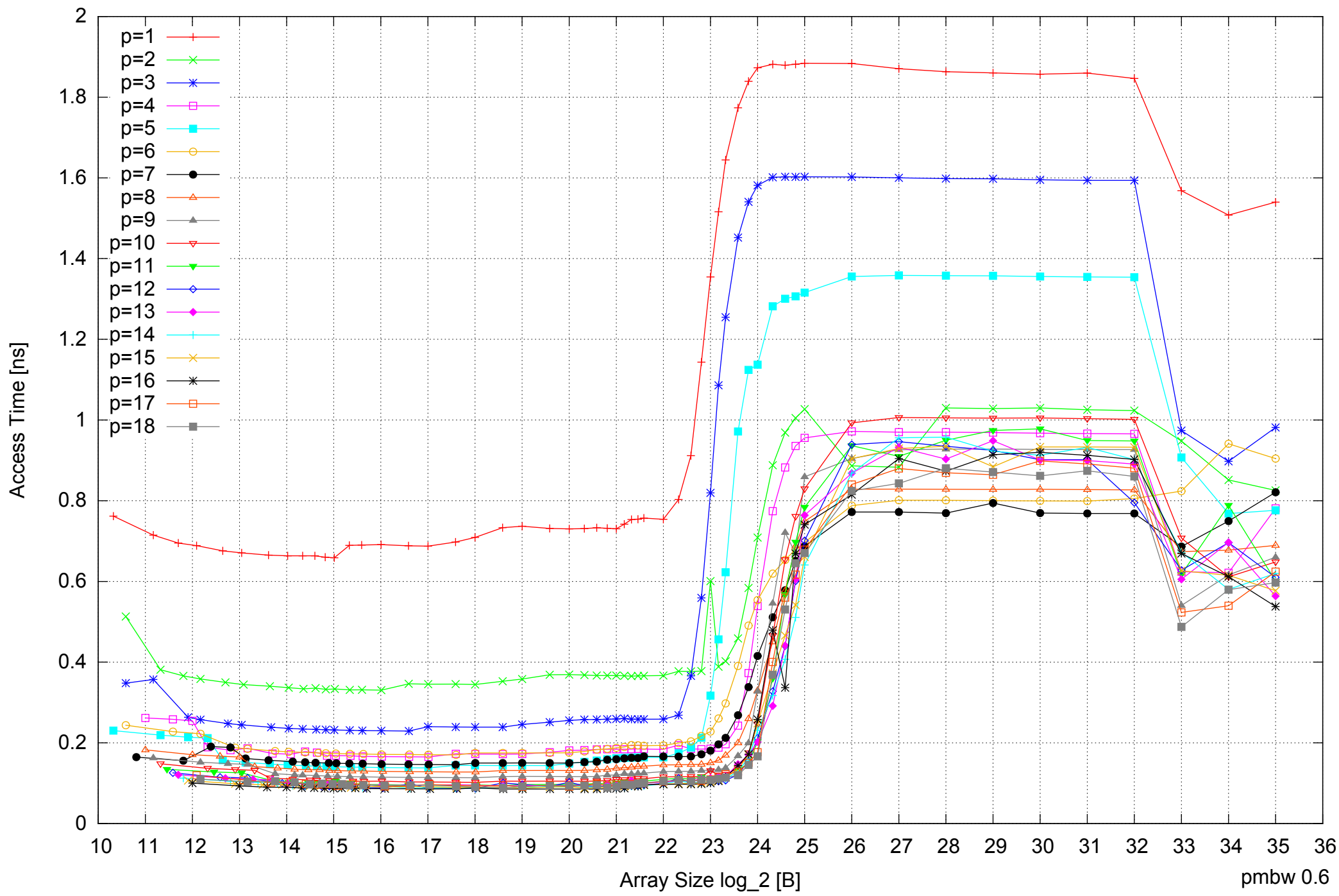
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop



Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead128PtrSimpleLoop

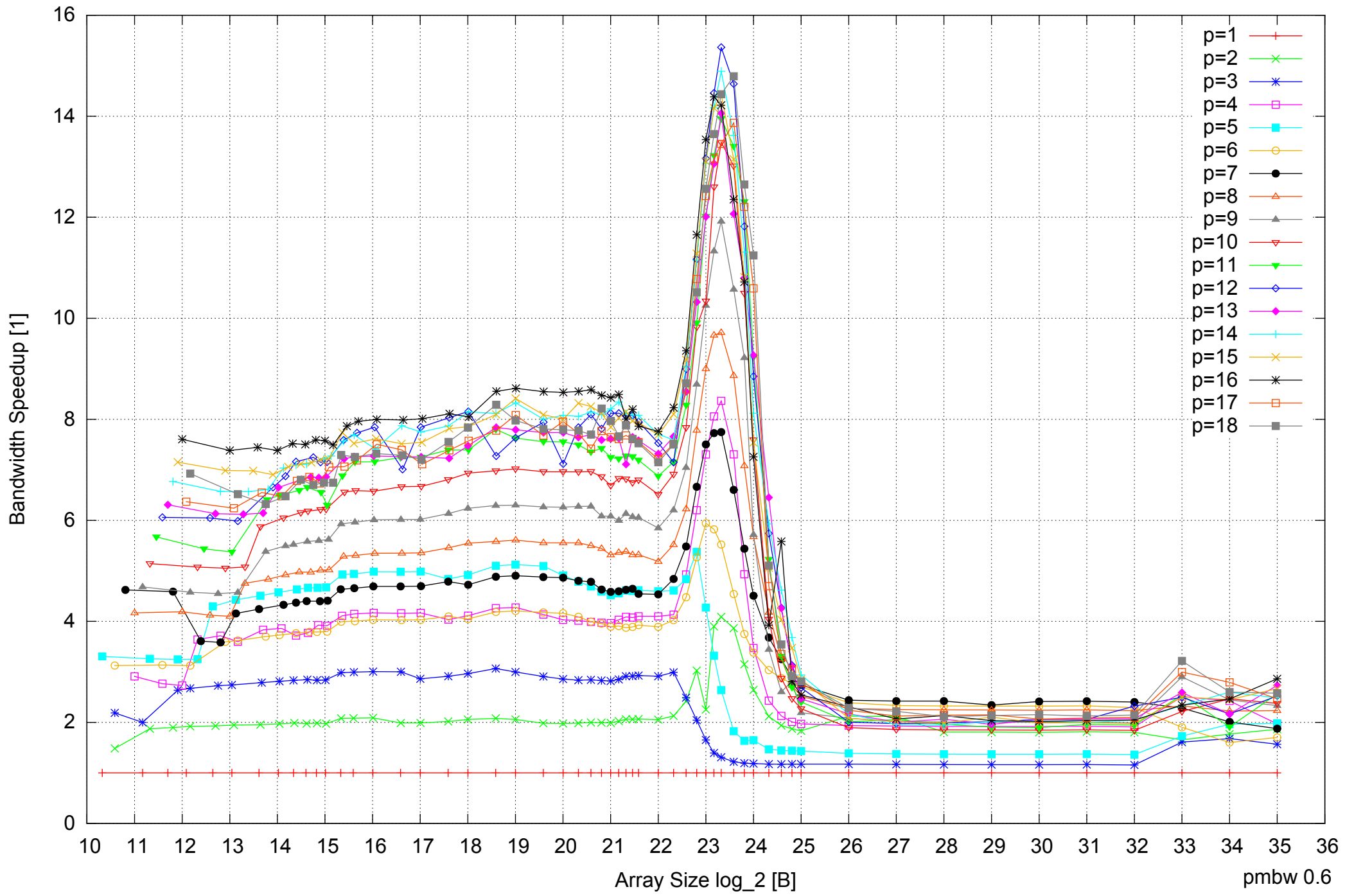


Intel Xeon X5550 48GB - Memory Latency - ScanRead128PtrSimpleLoop



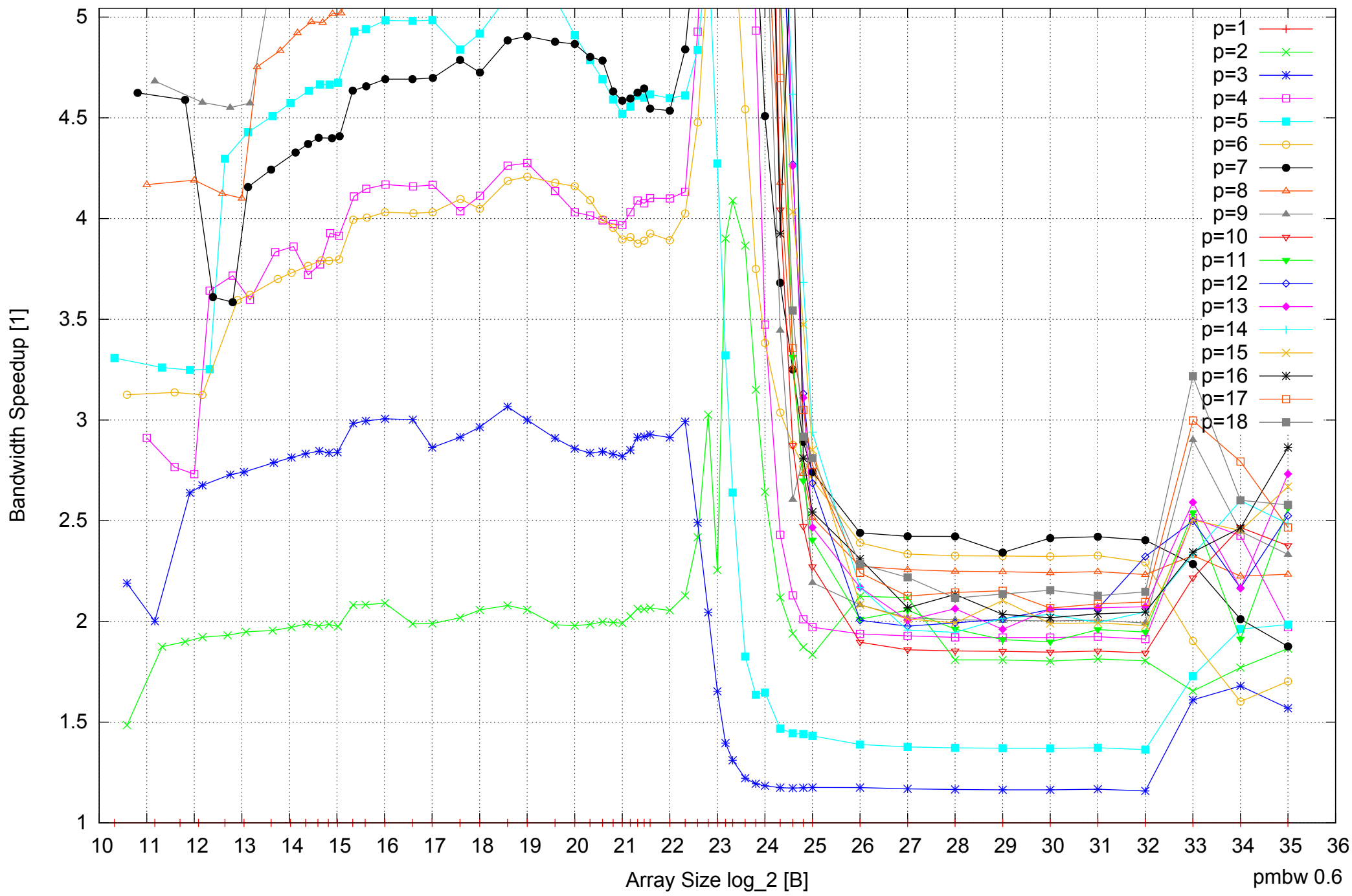


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead128PtrSimpleLoop

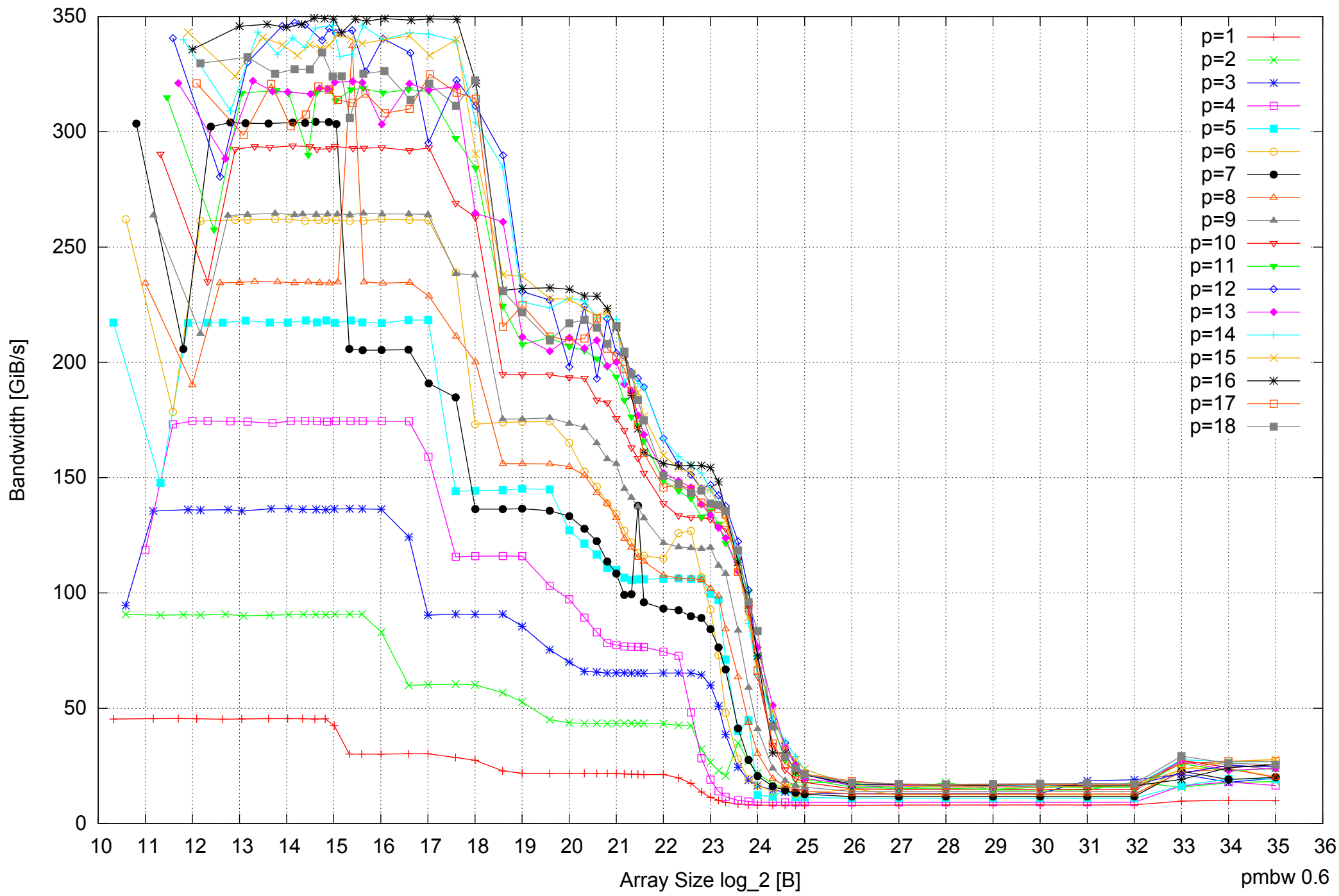




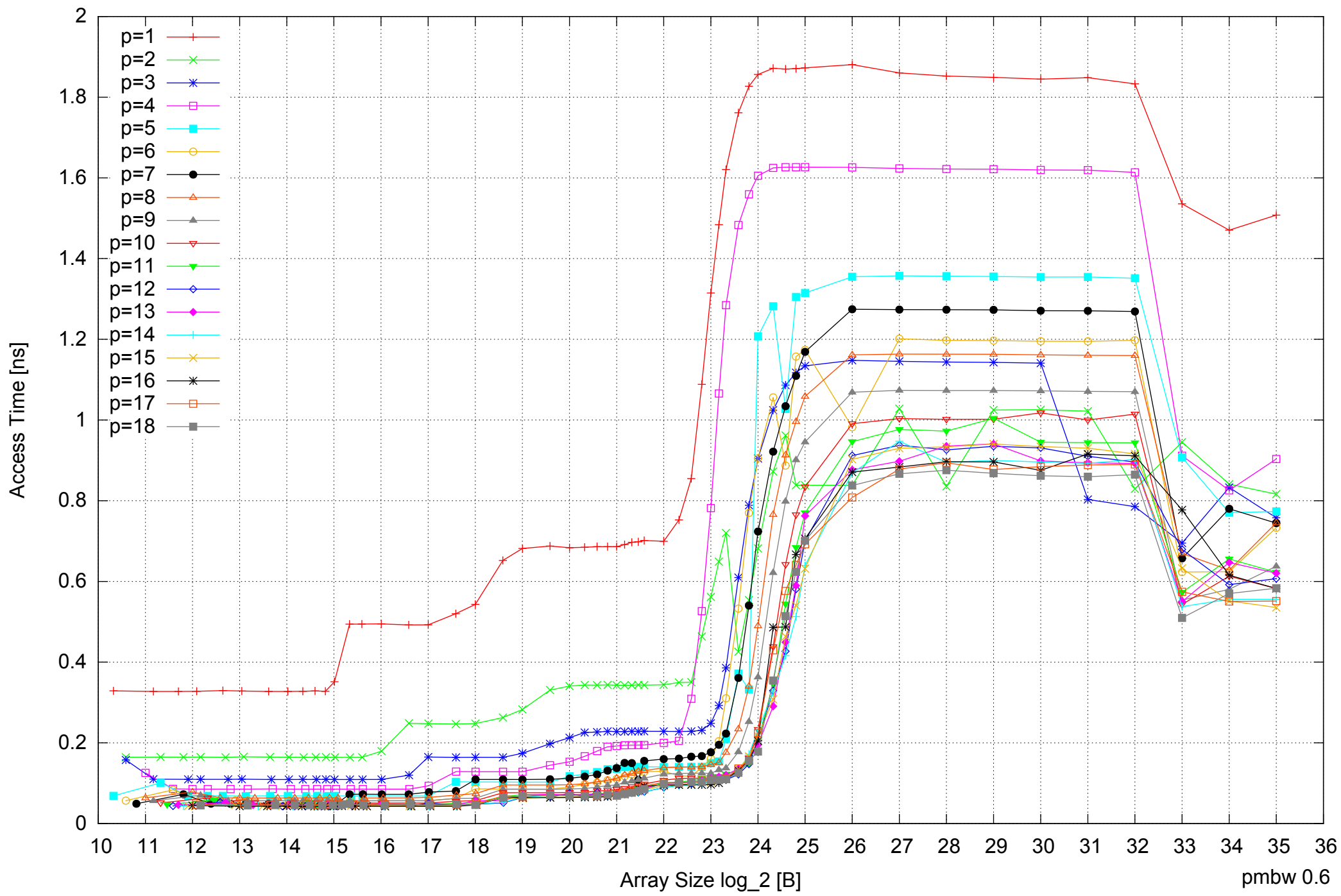
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrSimpleLoop



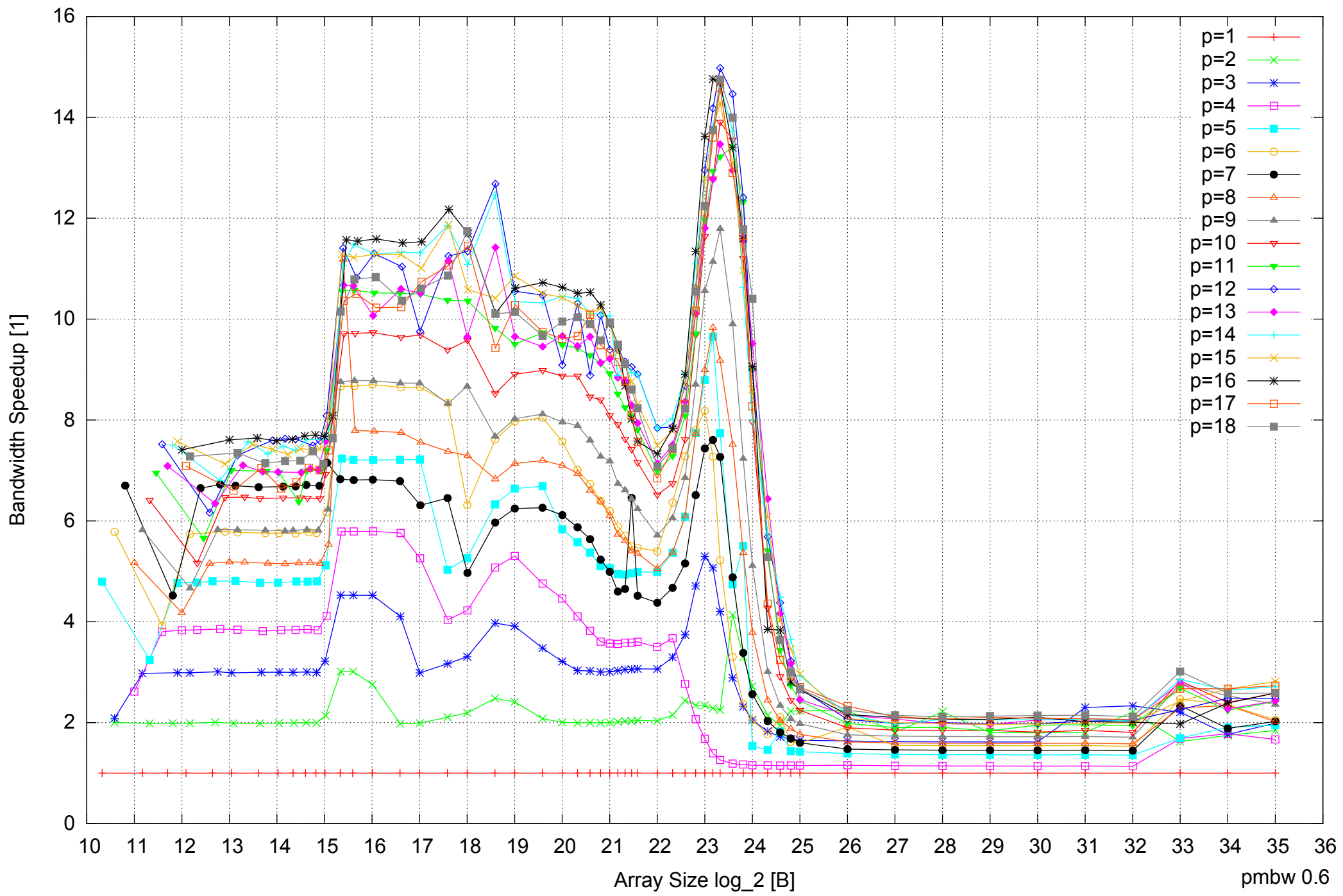
Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead128PtrUnrollLoop



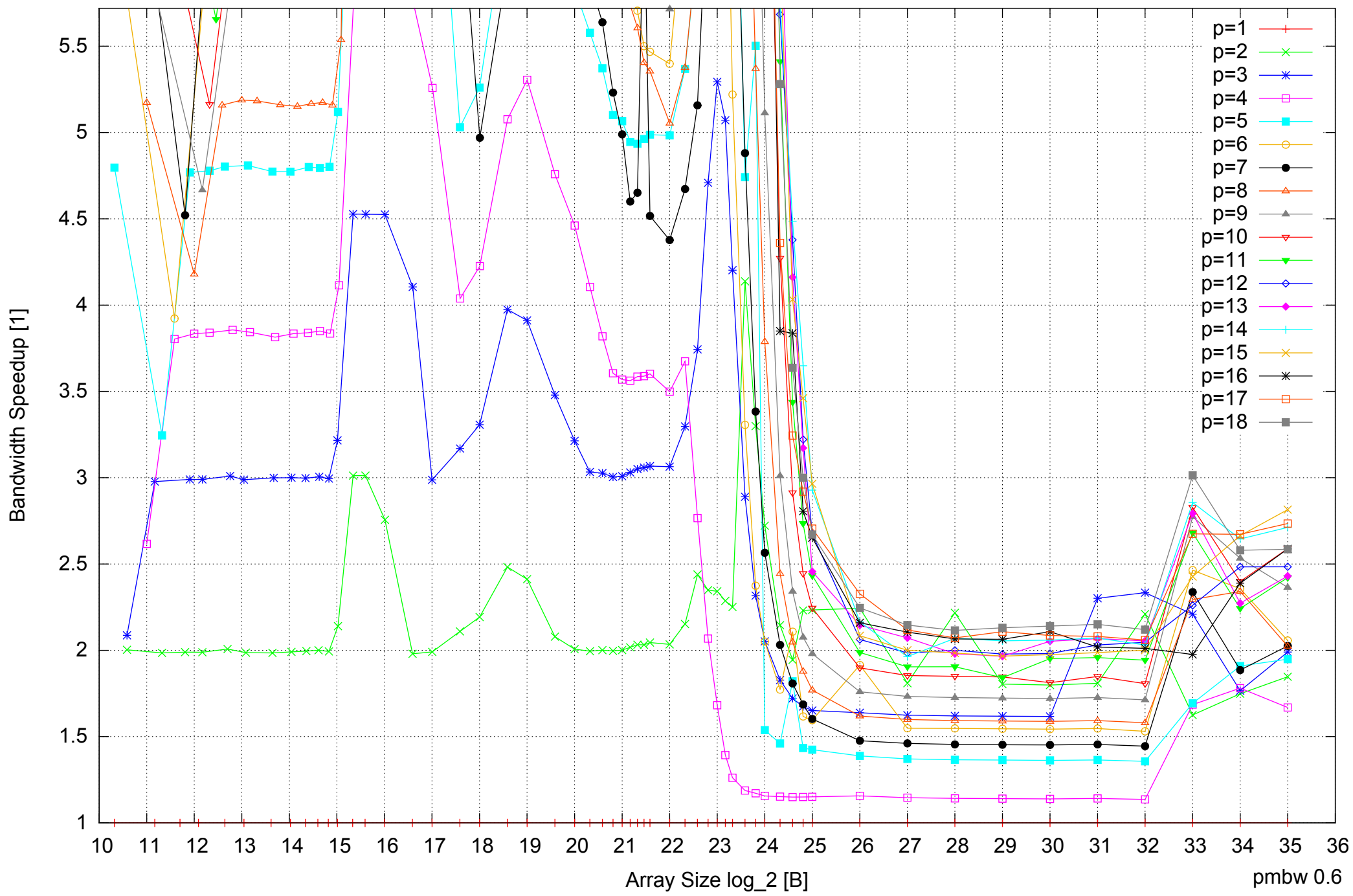
Intel Xeon X5550 48GB - Memory Latency - ScanRead128PtrUnrollLoop



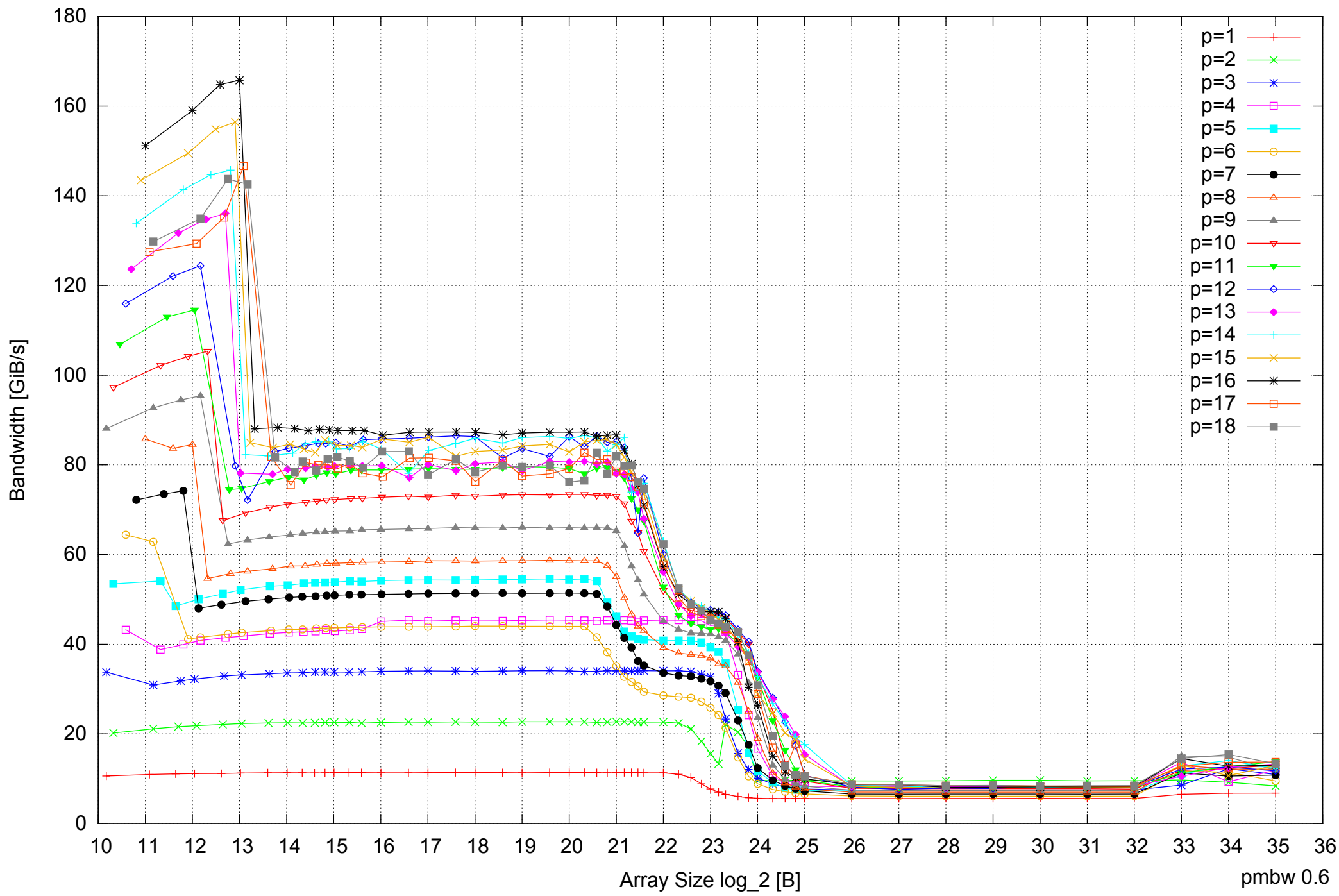
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead128PtrUnrollLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop

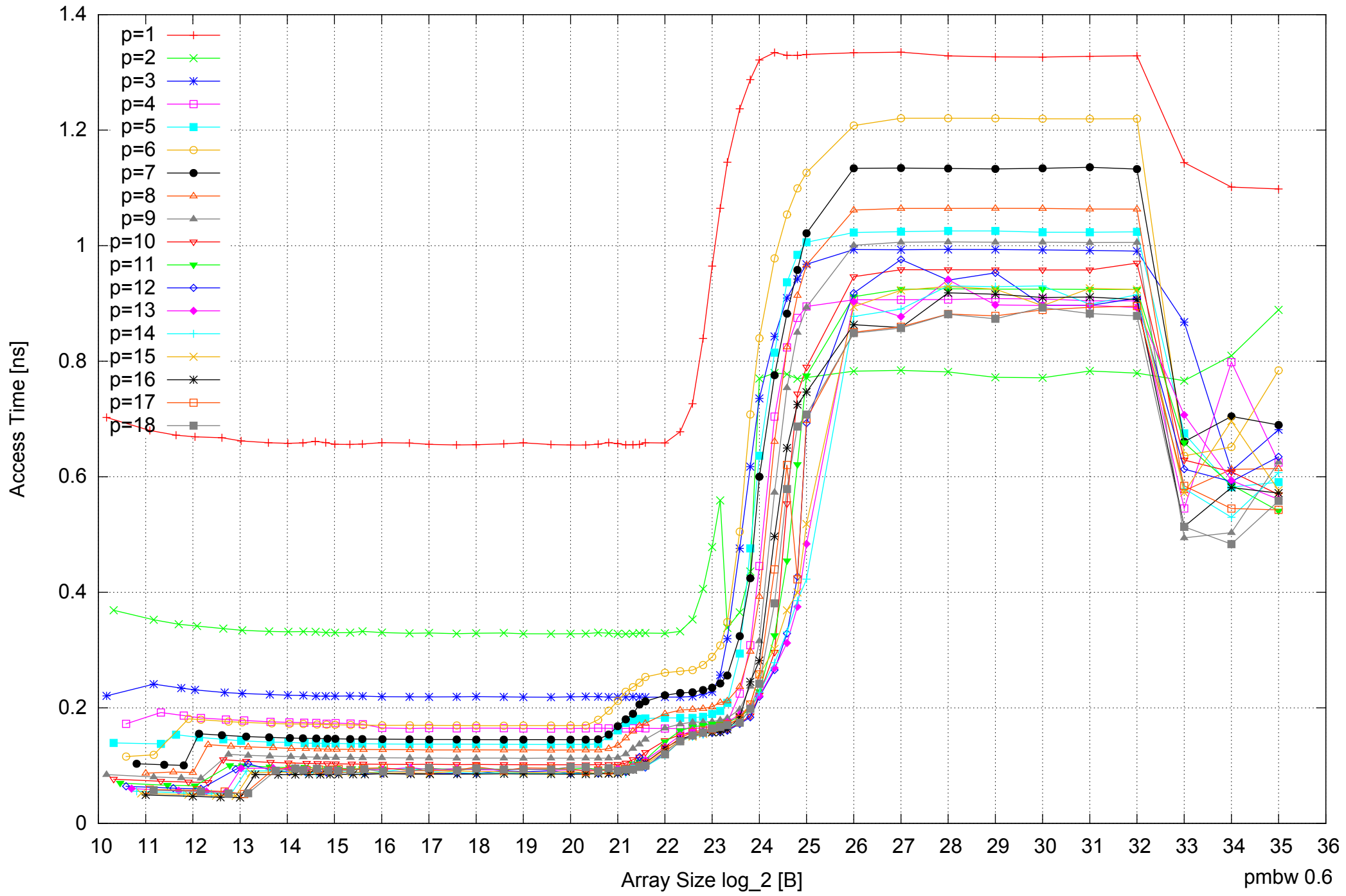


Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite64PtrSimpleLoop



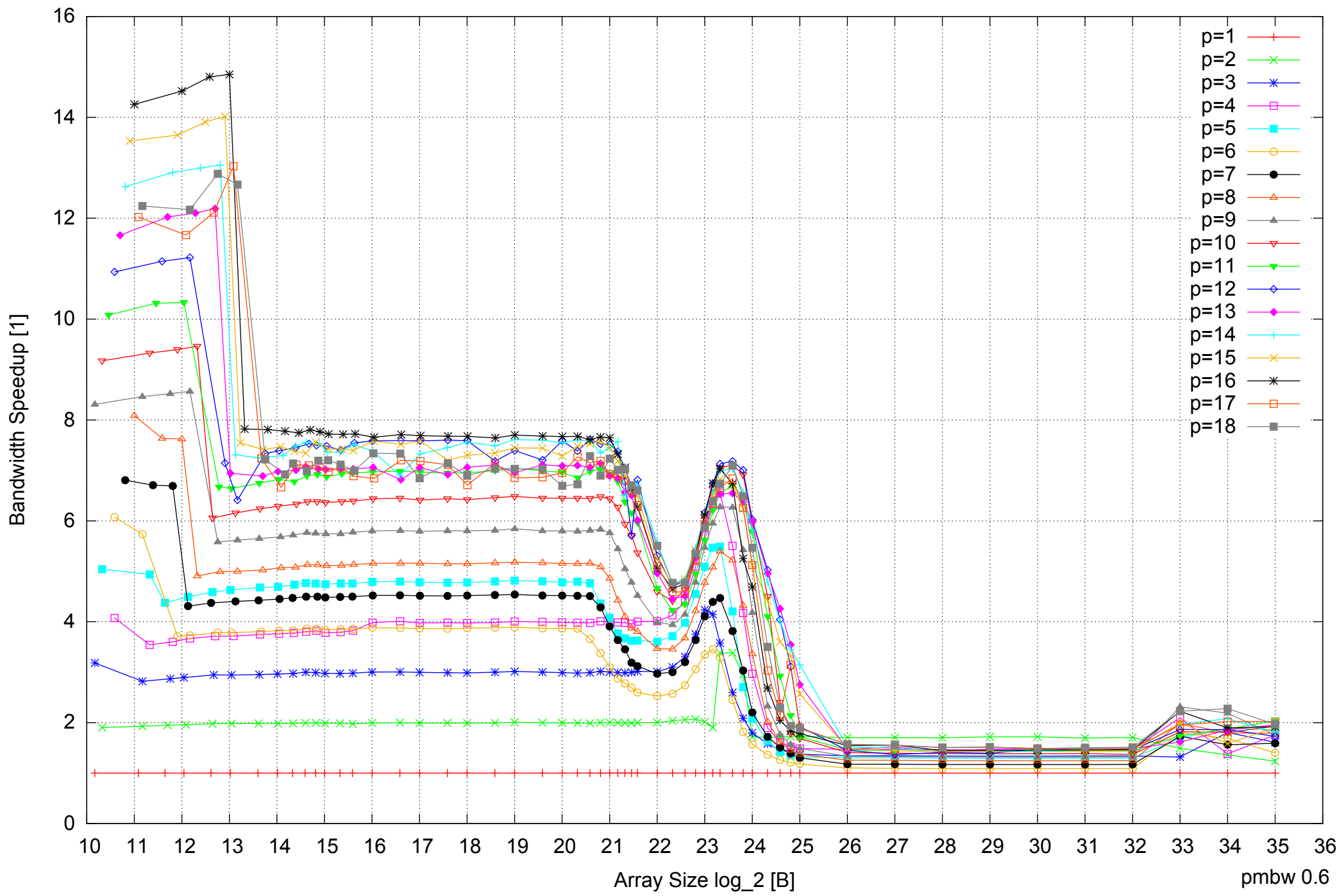


Intel Xeon X5550 48GB - Memory Latency - ScanWrite64PtrSimpleLoop

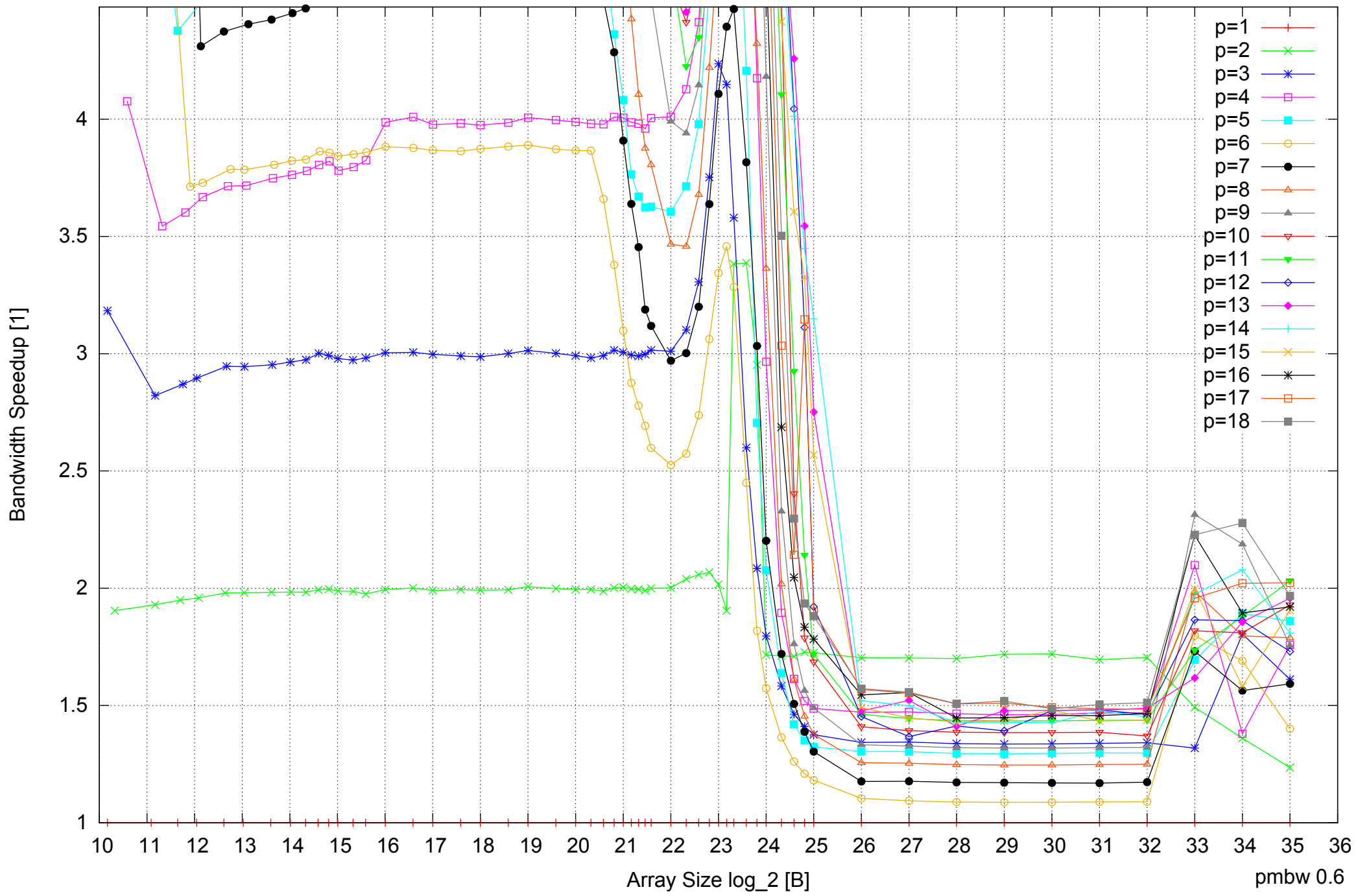




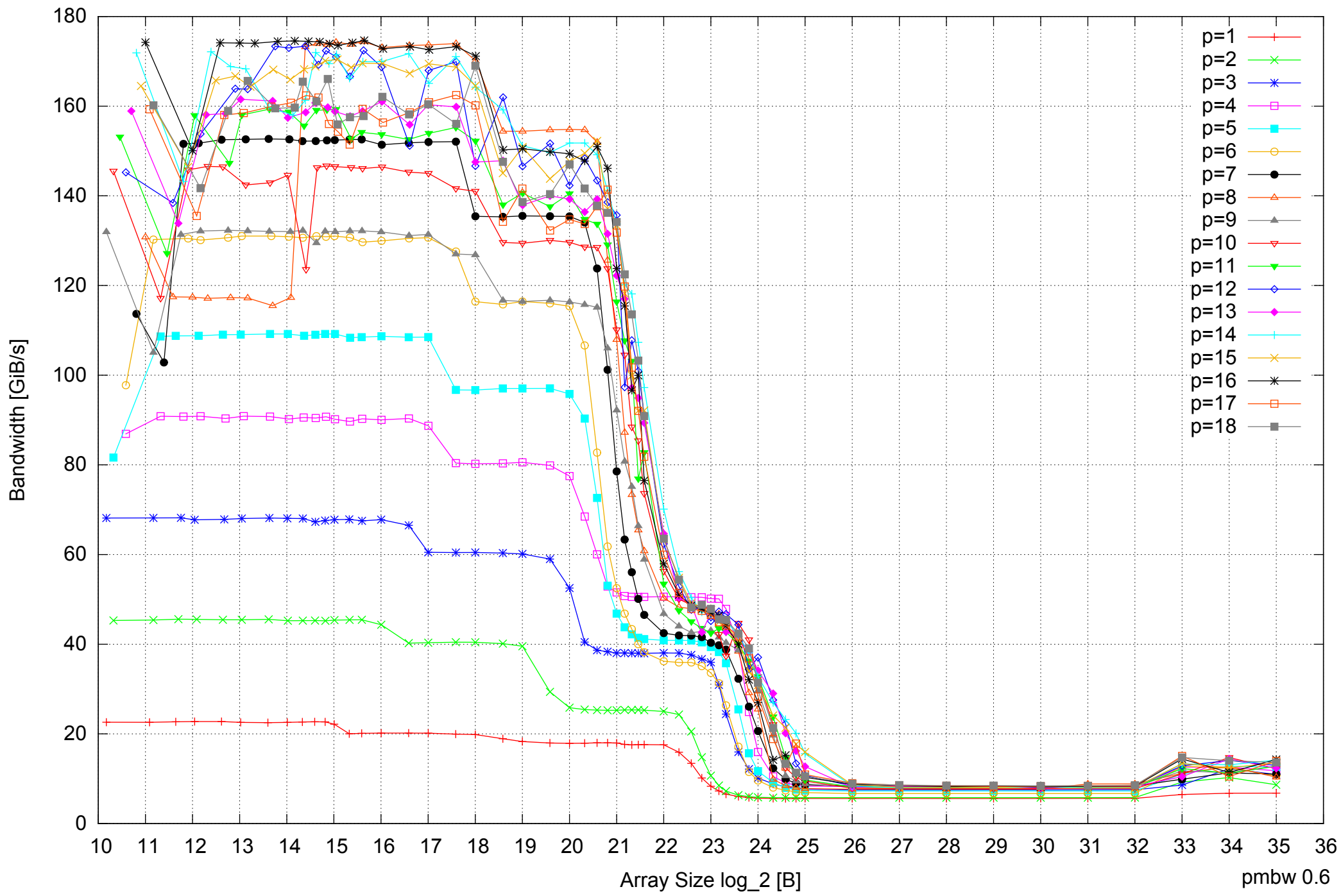
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite64PtrSimpleLoop



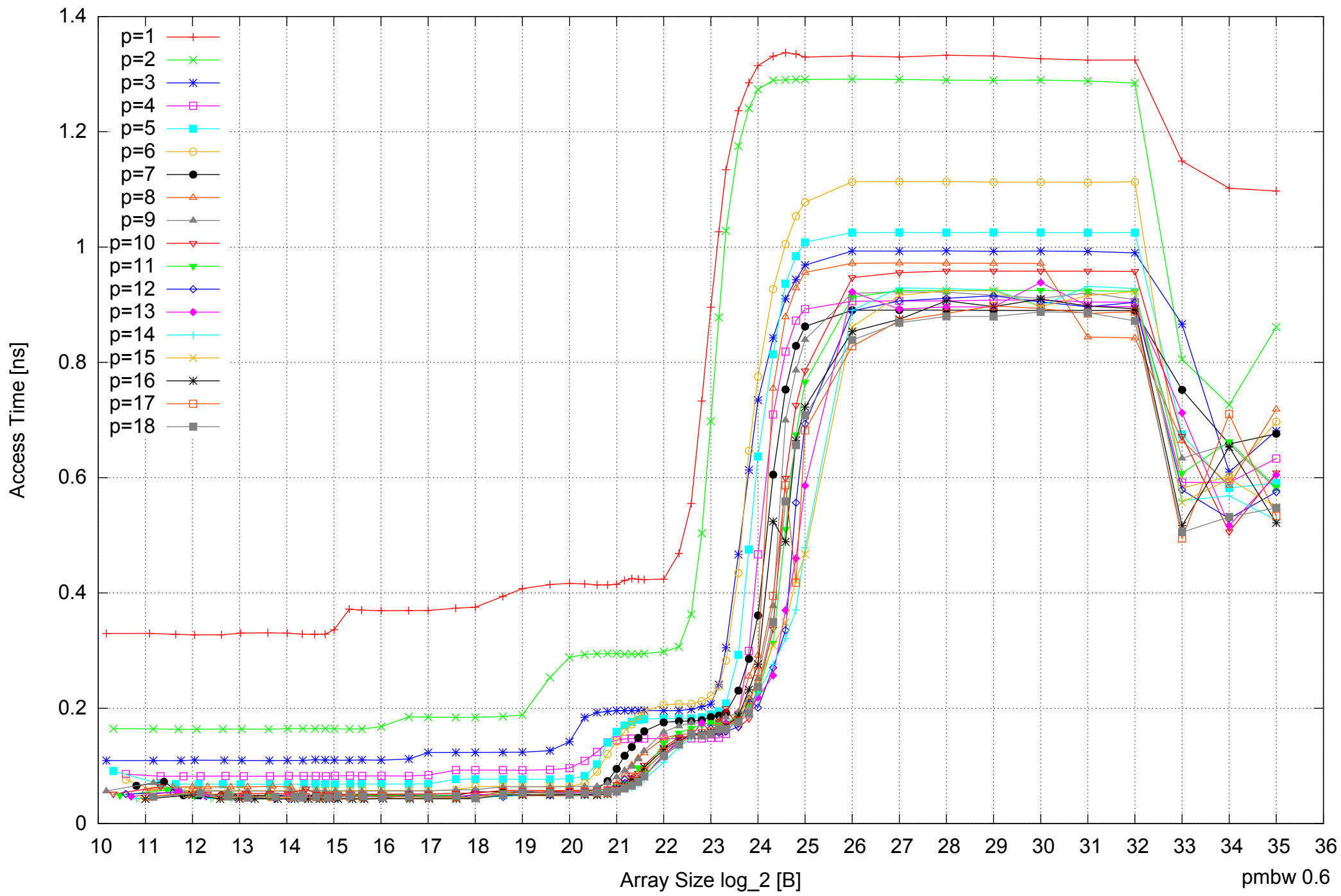
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop



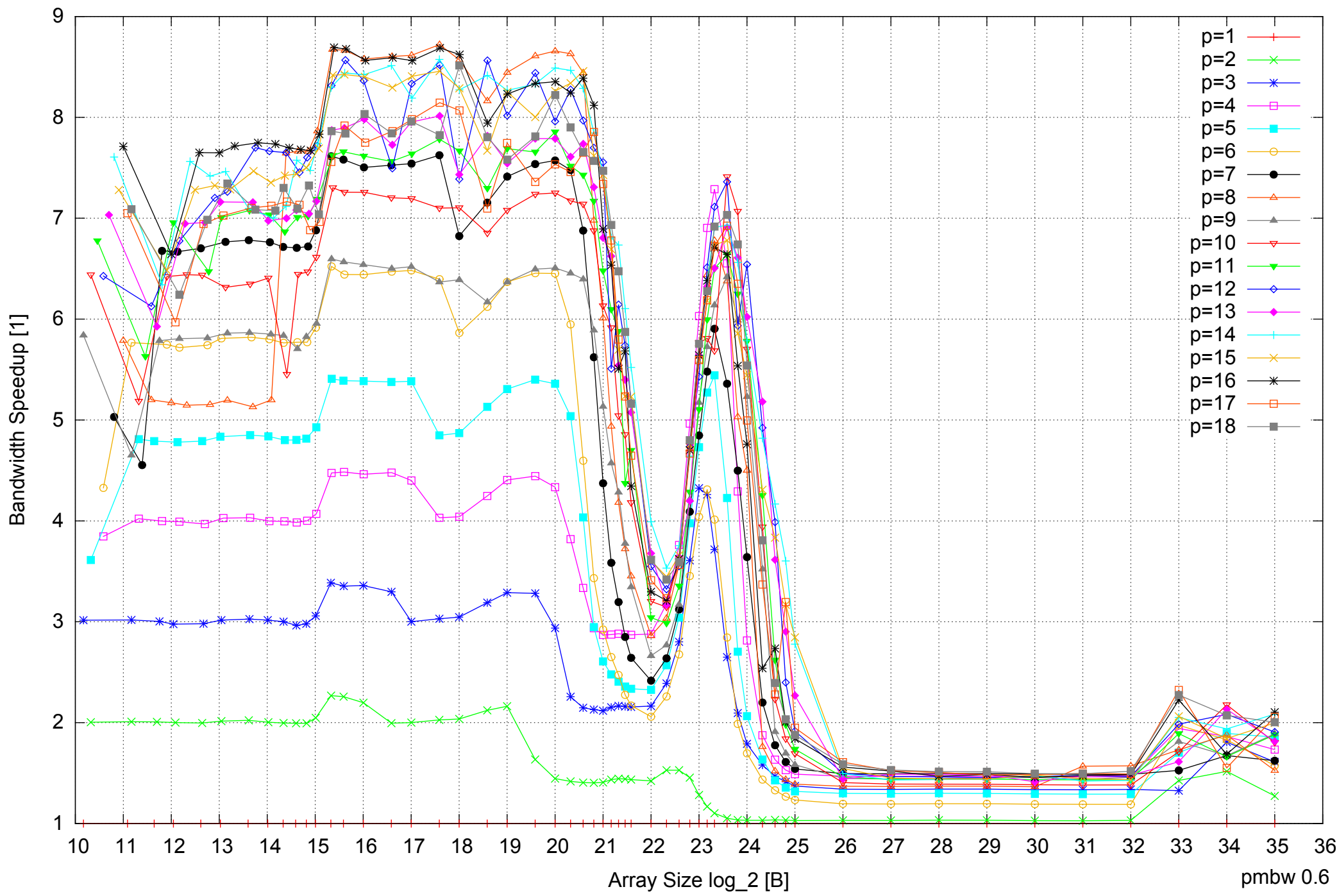
Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite64PtrUnrollLoop



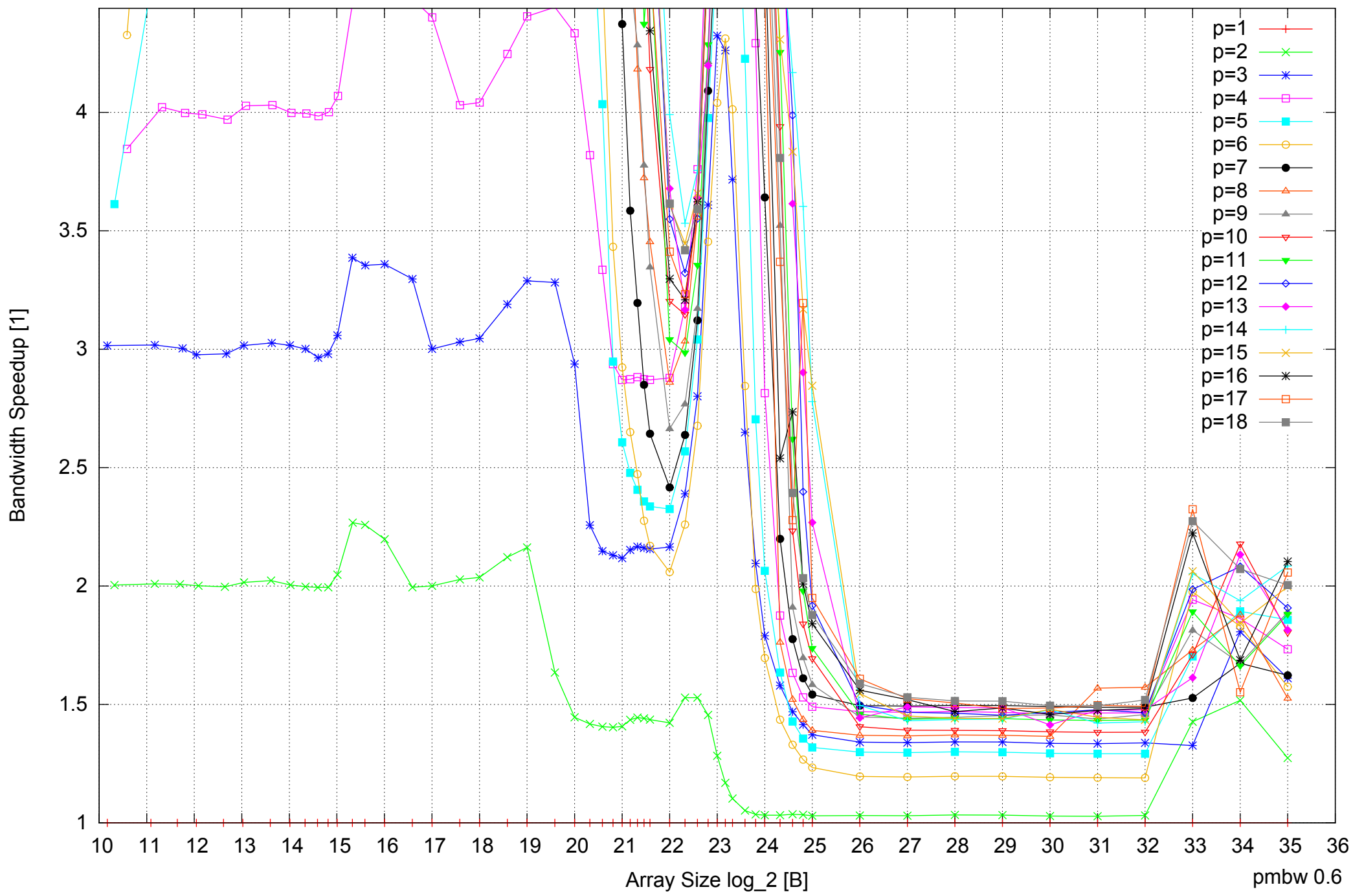
## Intel Xeon X5550 48GB - Memory Latency - ScanWrite64PtrUnrollLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite64PtrUnrollLoop

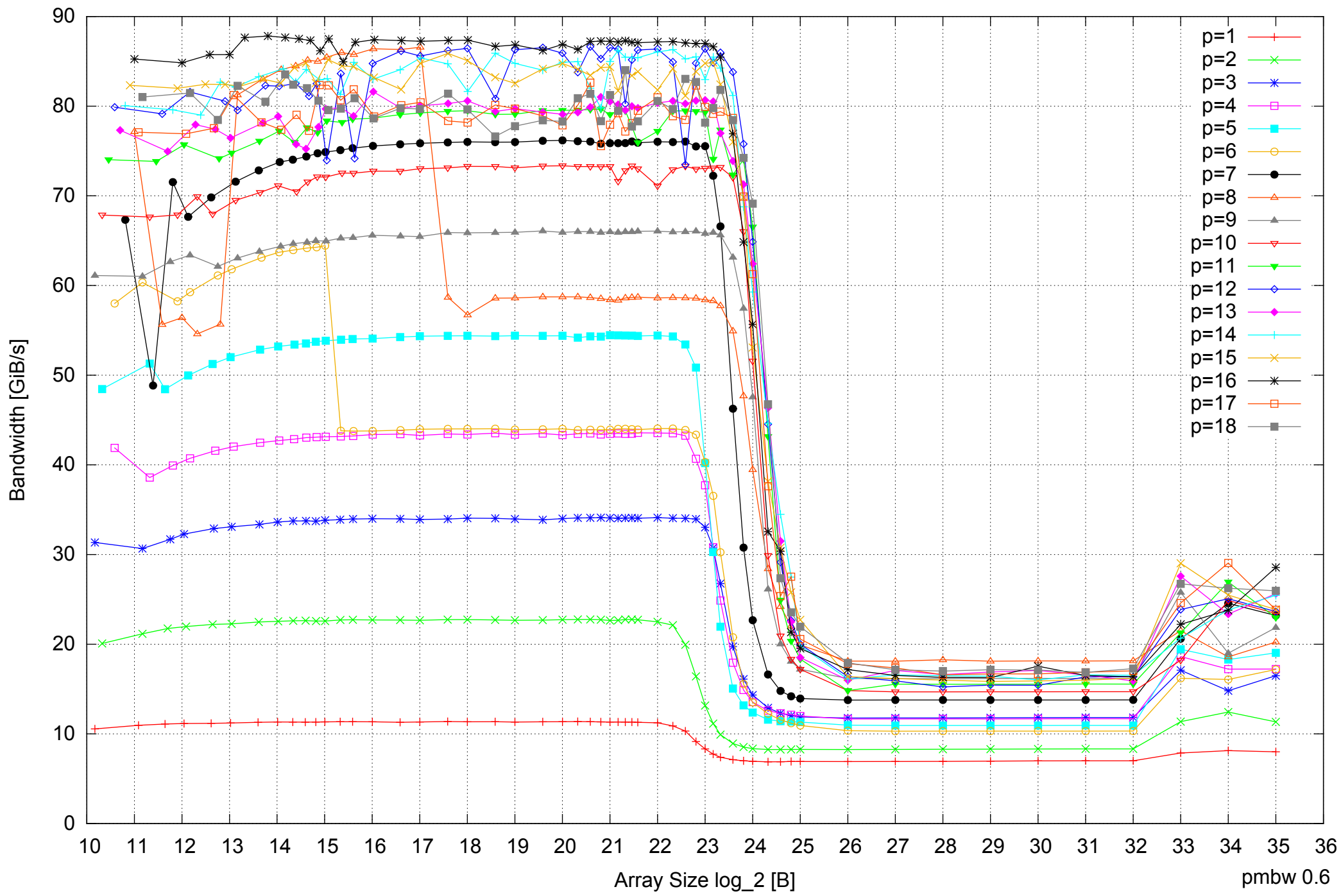


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



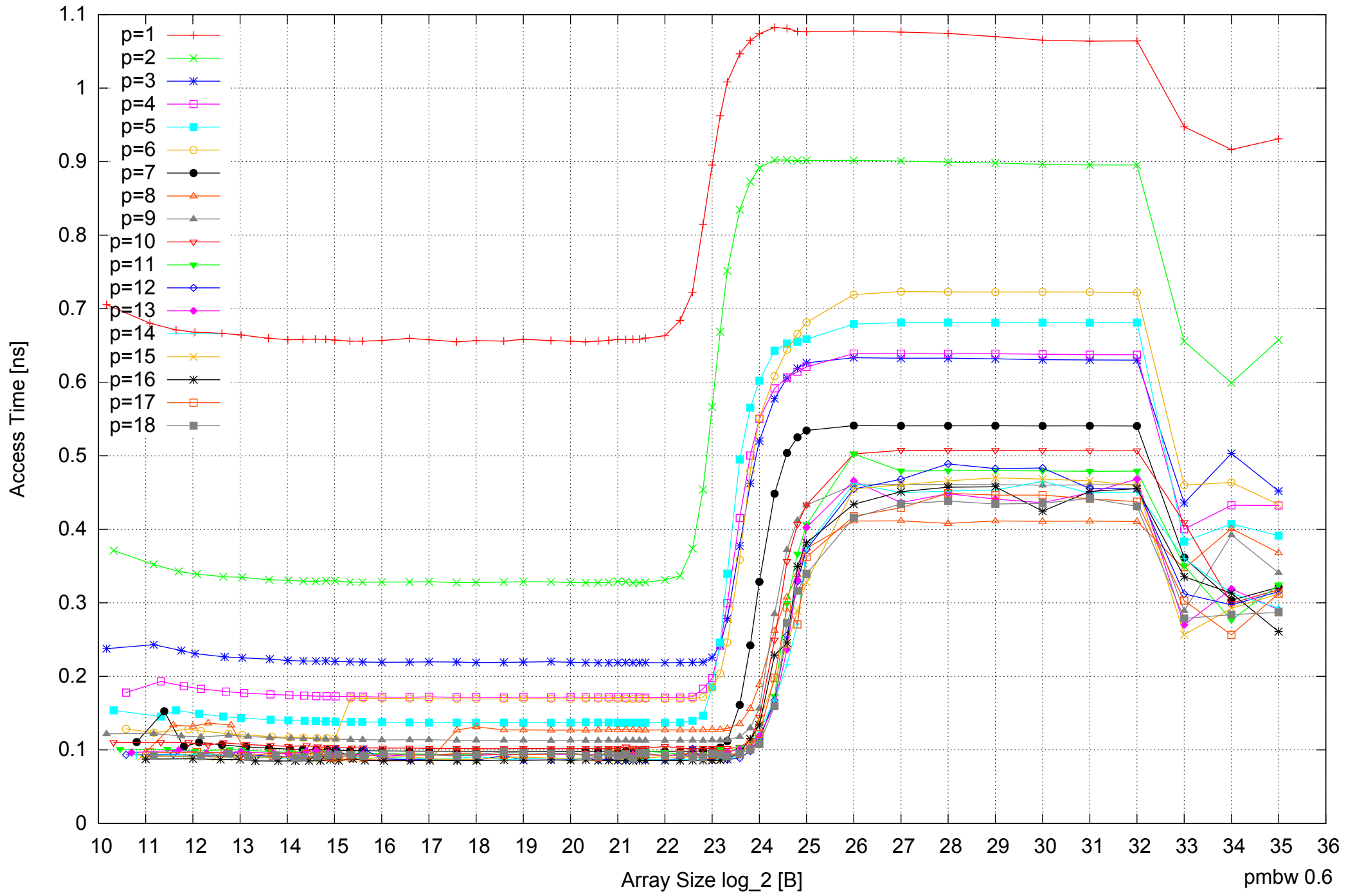


Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead64PtrSimpleLoop

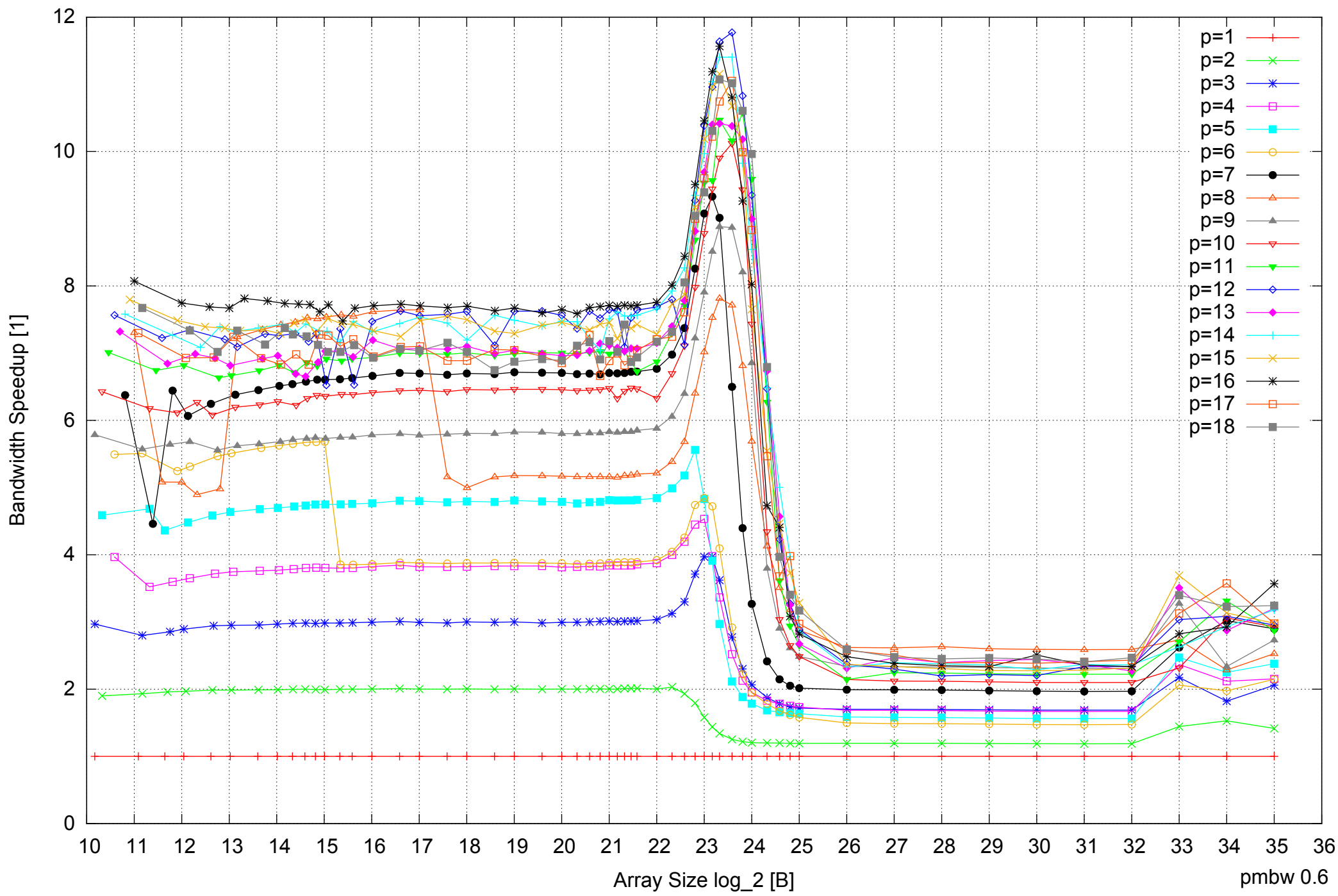




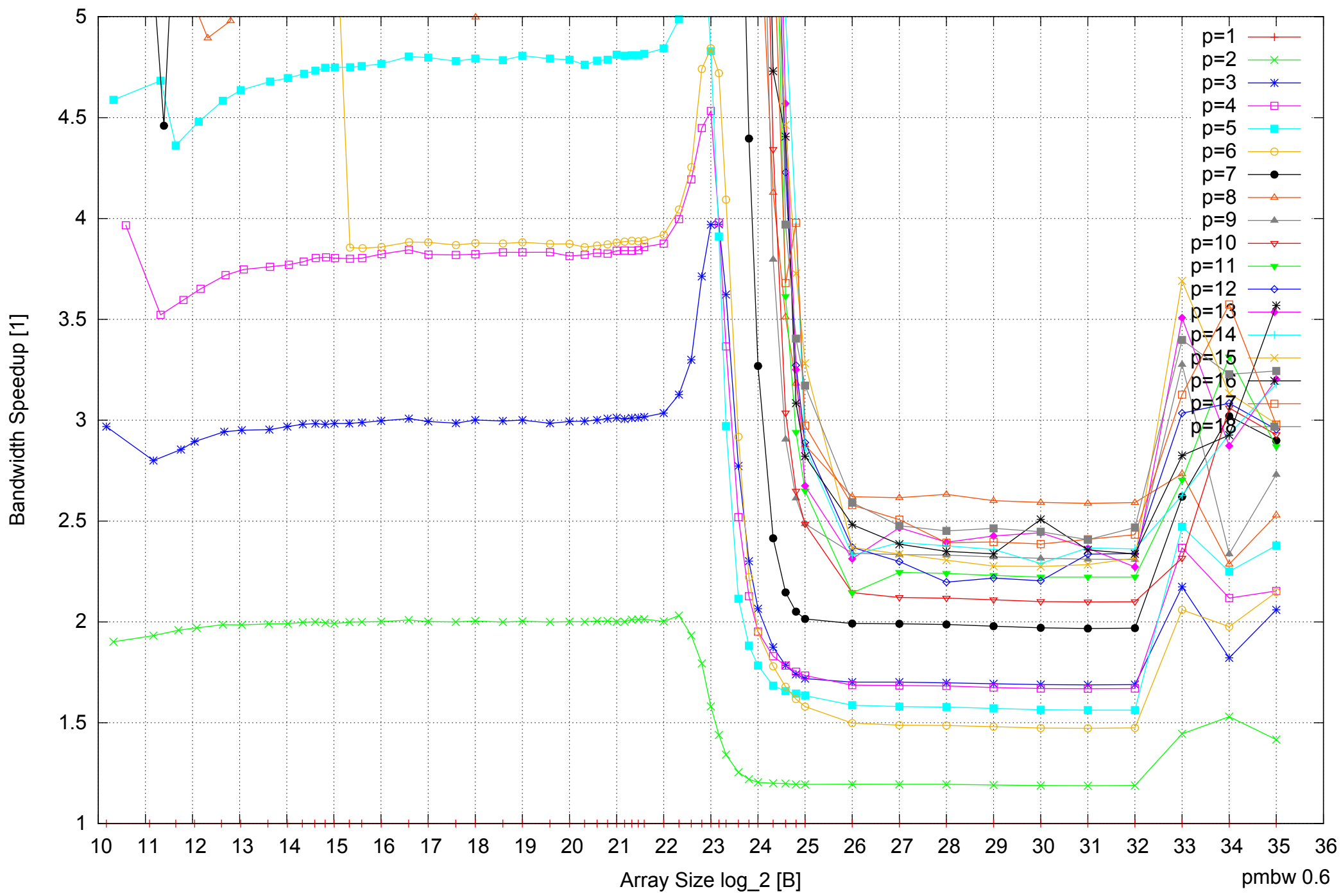
Intel Xeon X5550 48GB - Memory Latency - ScanRead64PtrSimpleLoop



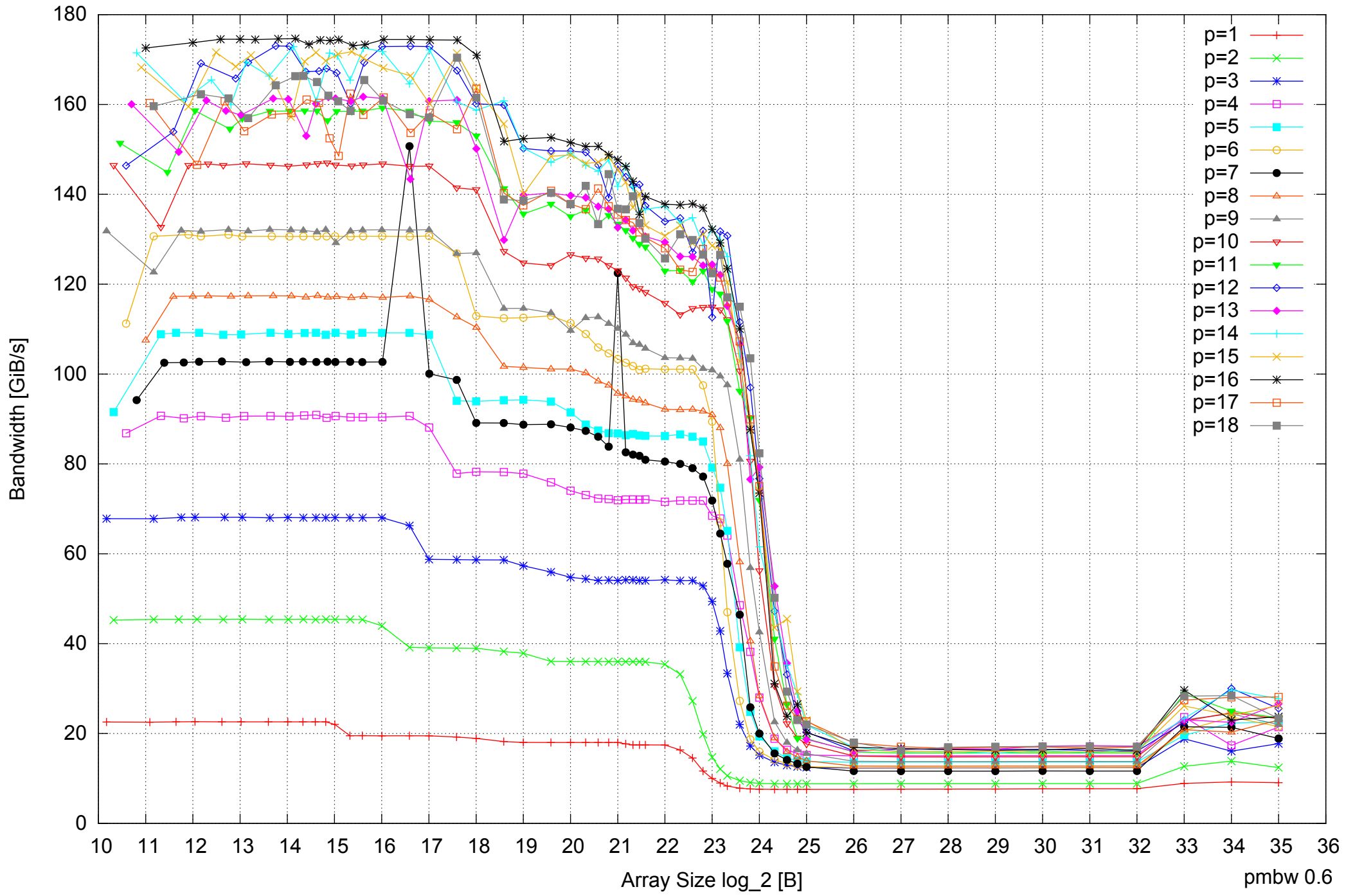
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead64PtrSimpleLoop



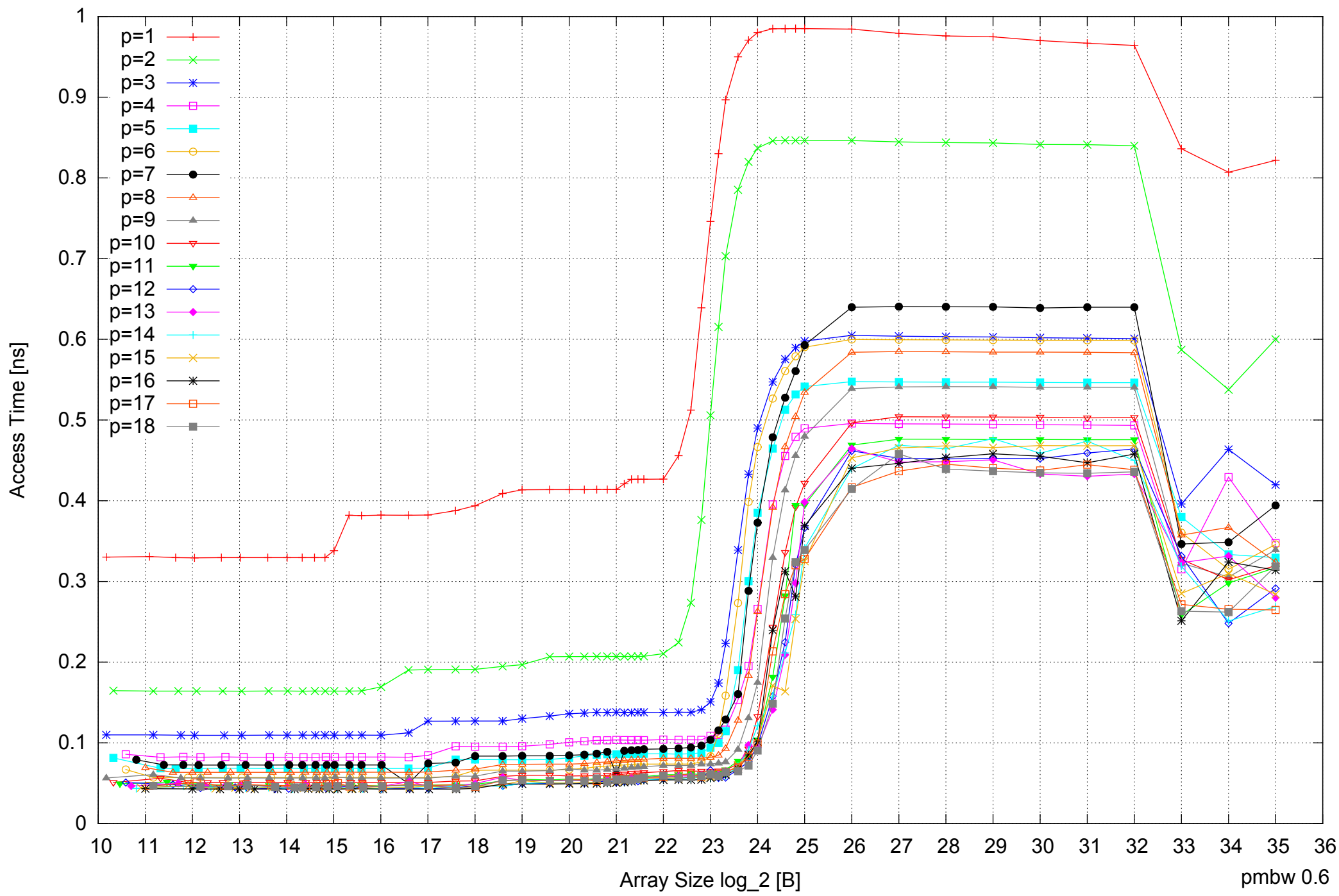
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop



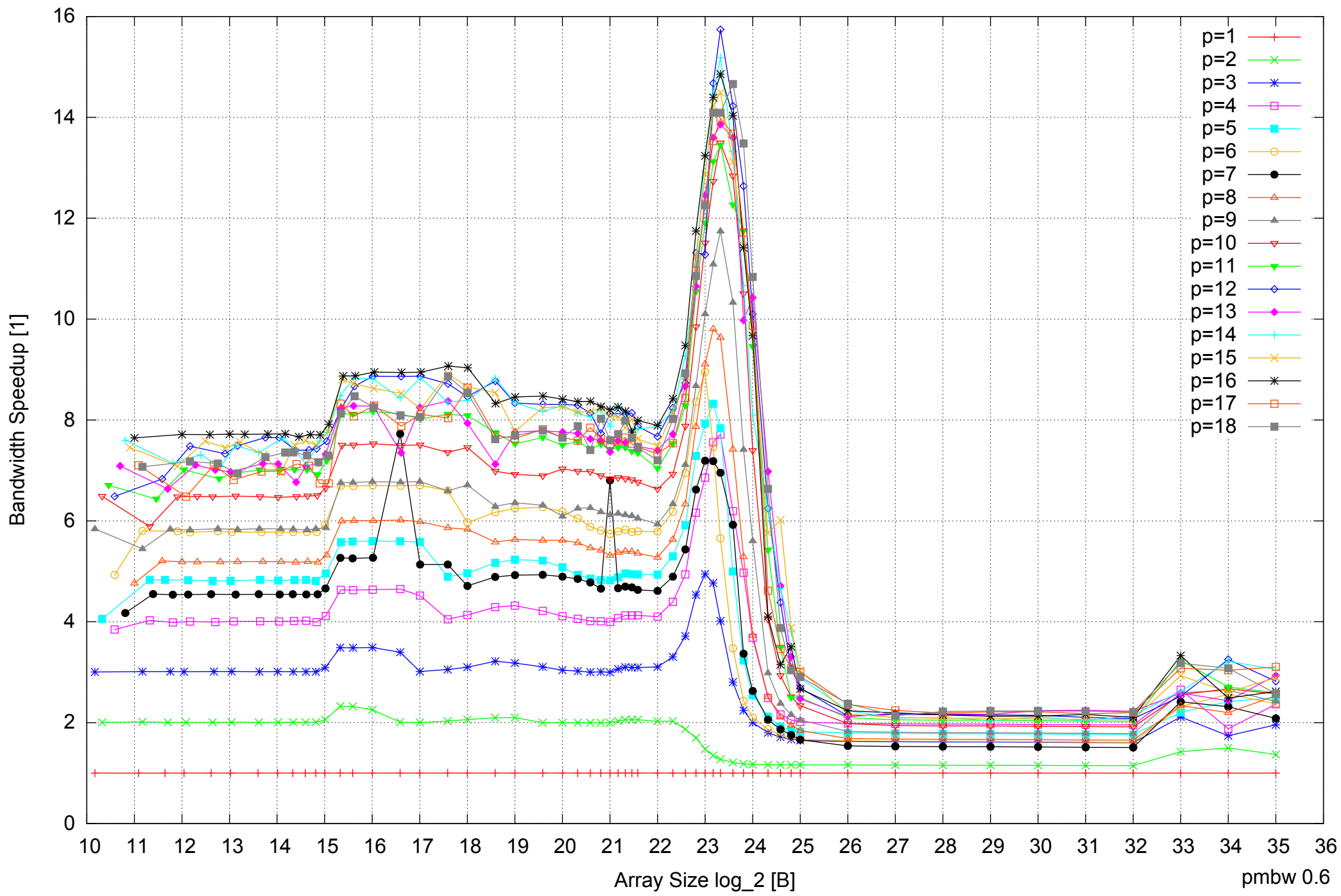
Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead64PtrUnrollLoop



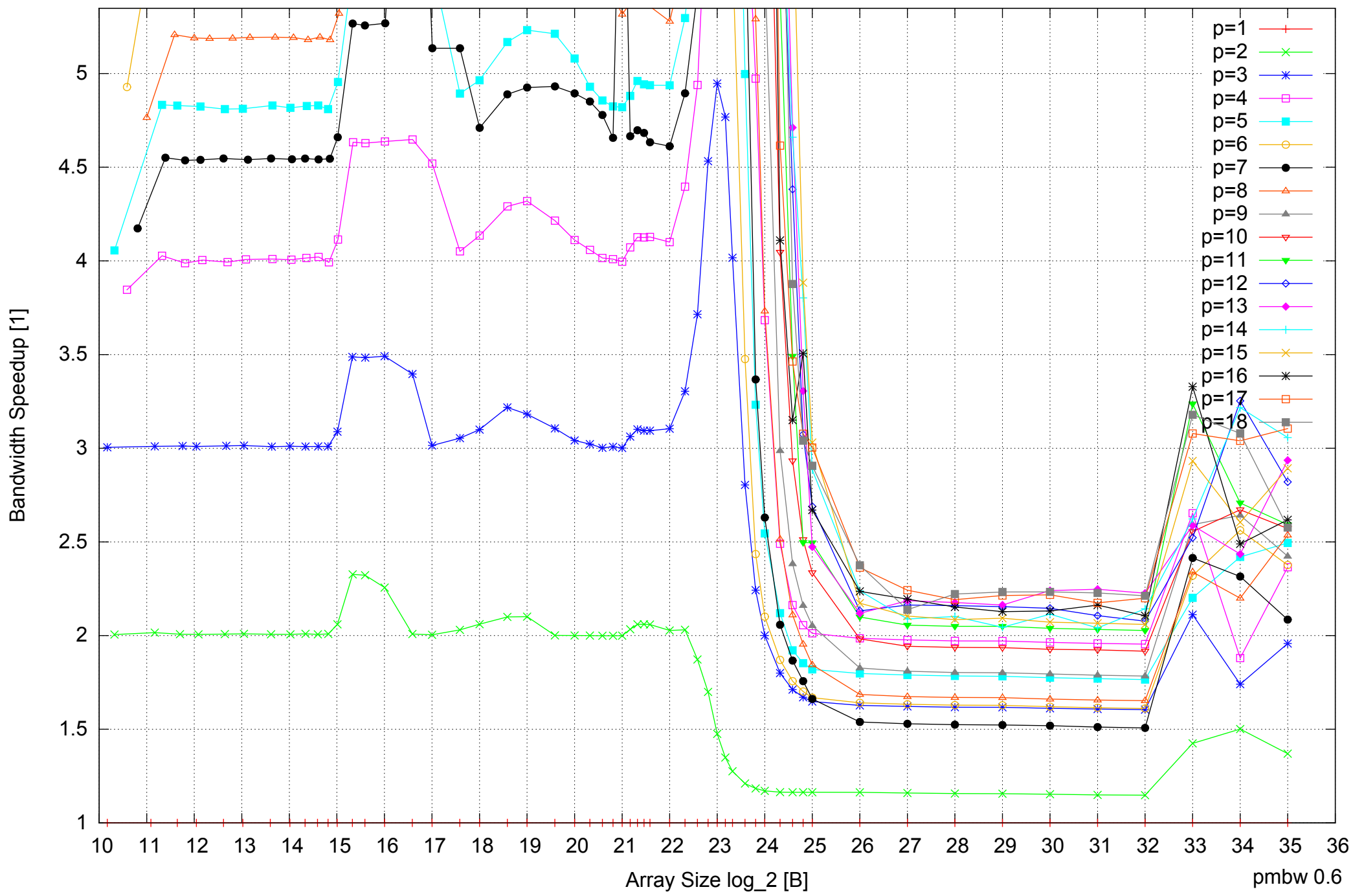
Intel Xeon X5550 48GB - Memory Latency - ScanRead64PtrUnrollLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead64PtrUnrollLoop

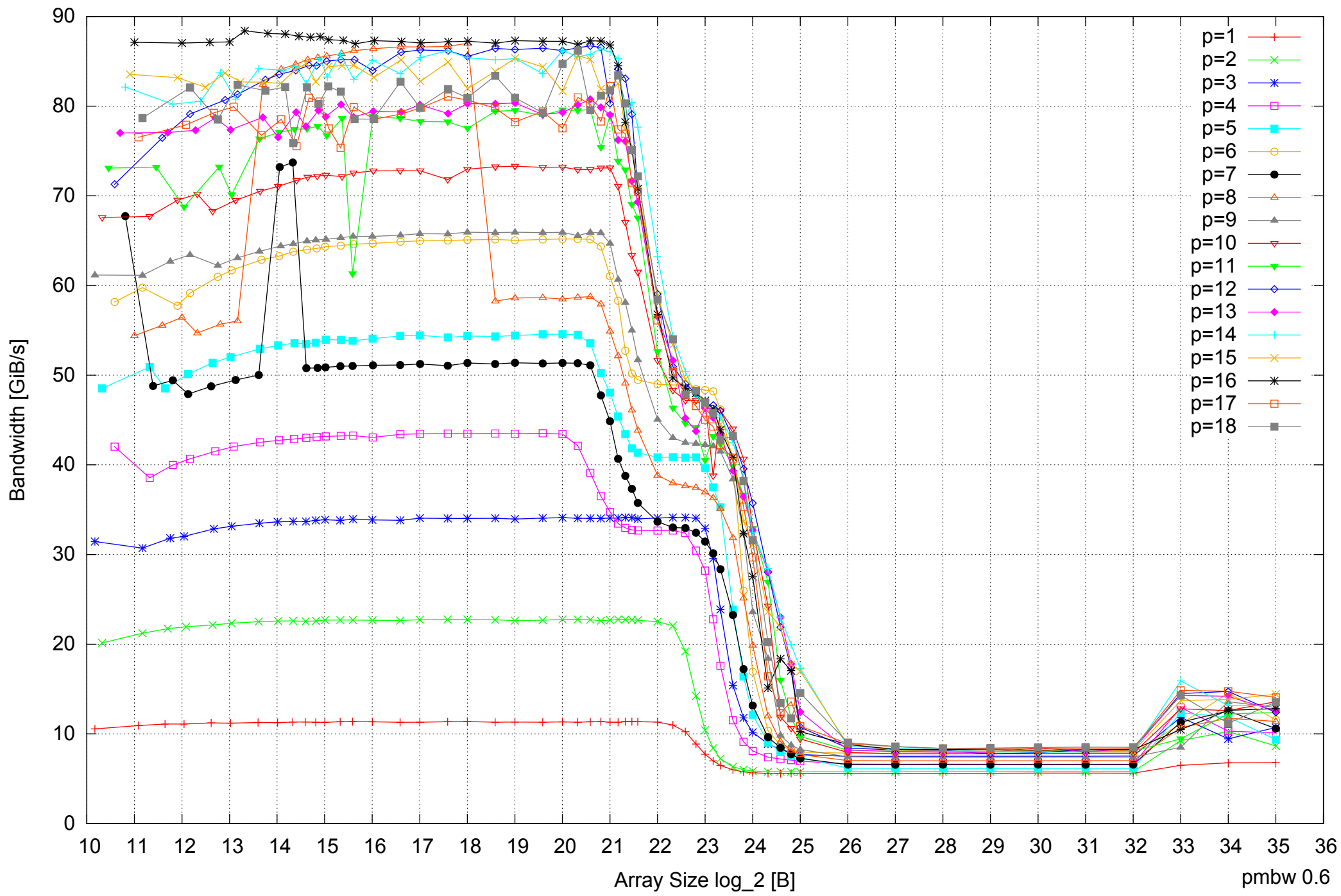


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop

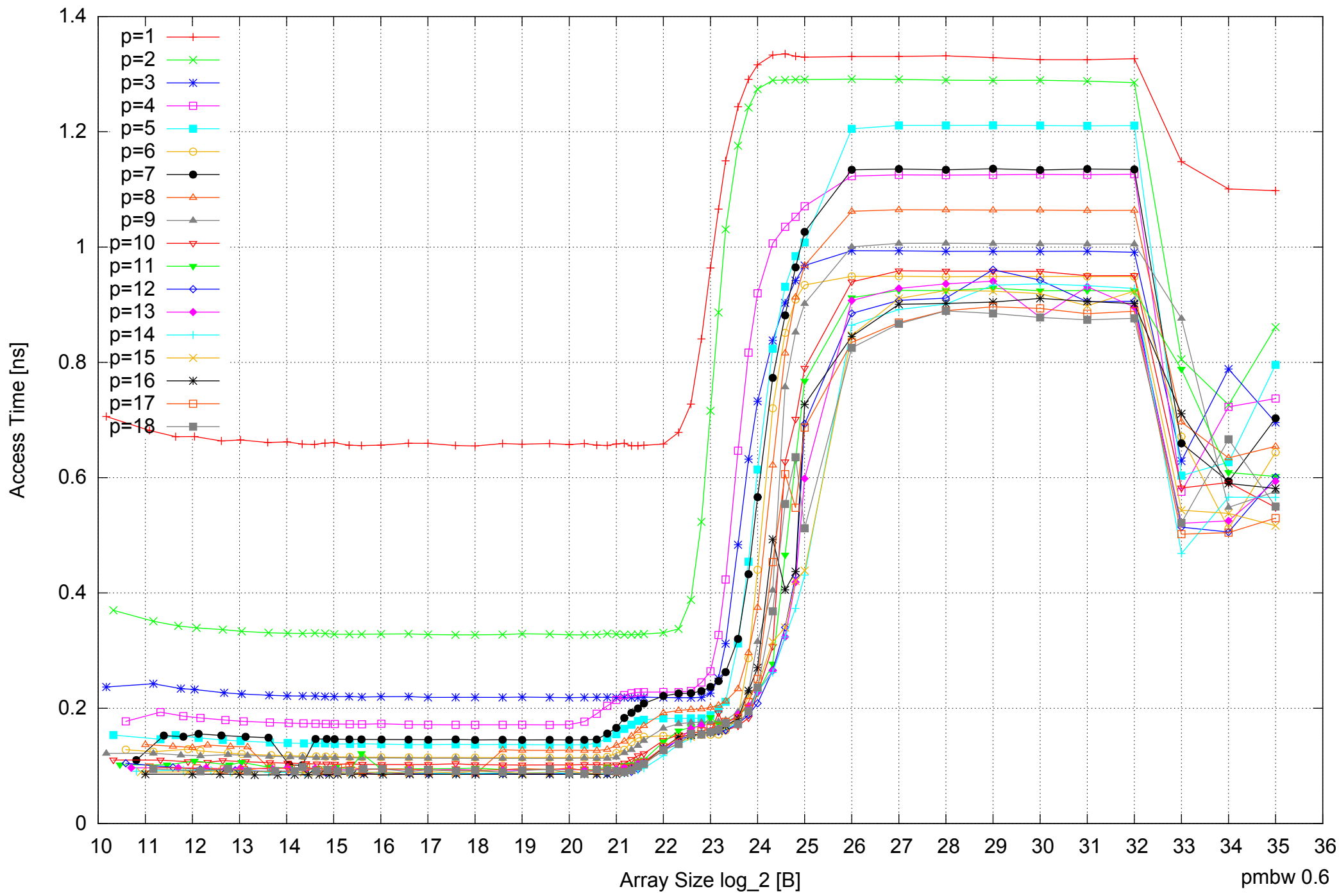




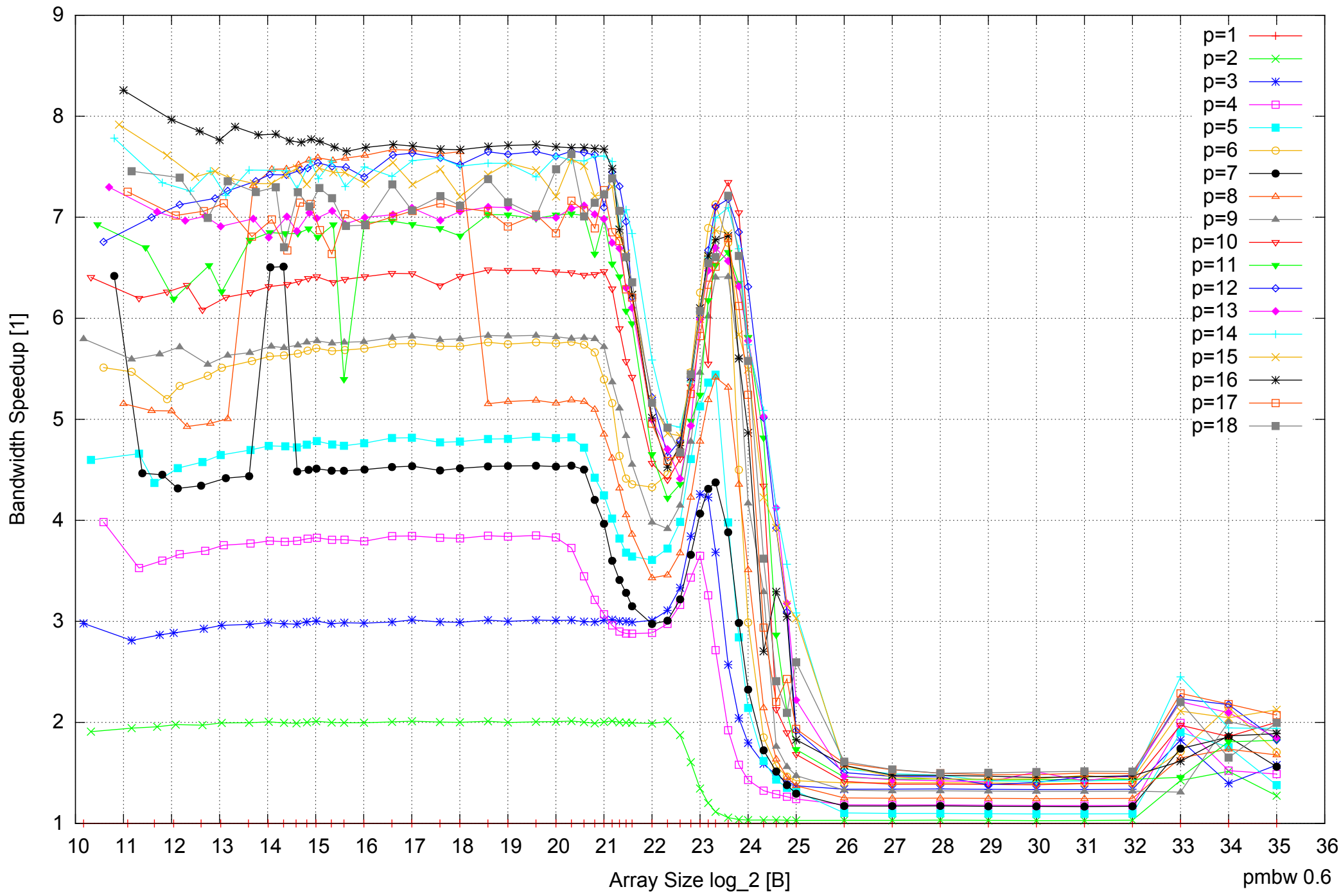
# Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite64IndexSimpleLoop



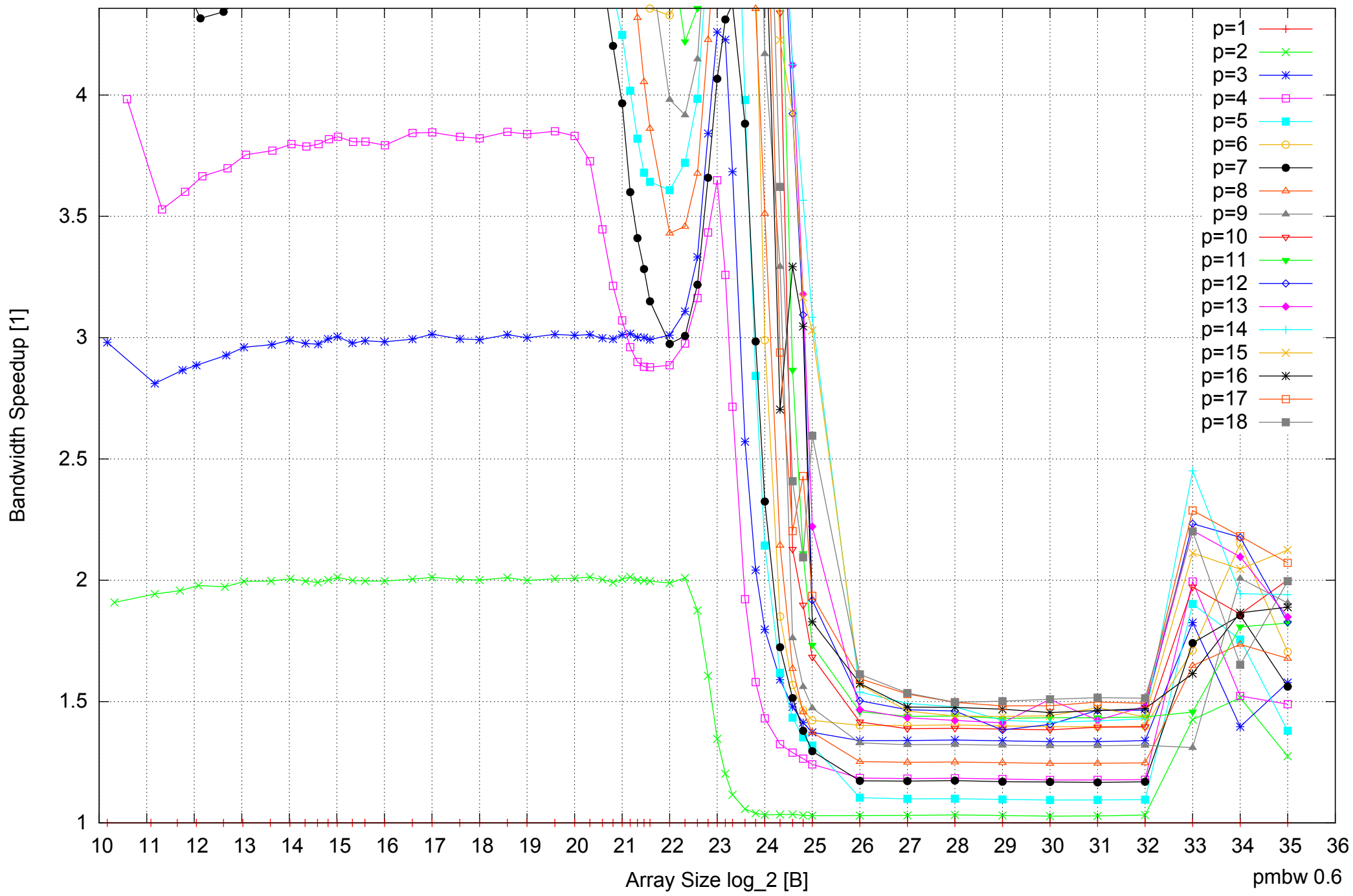
Intel Xeon X5550 48GB - Memory Latency - ScanWrite64IndexSimpleLoop



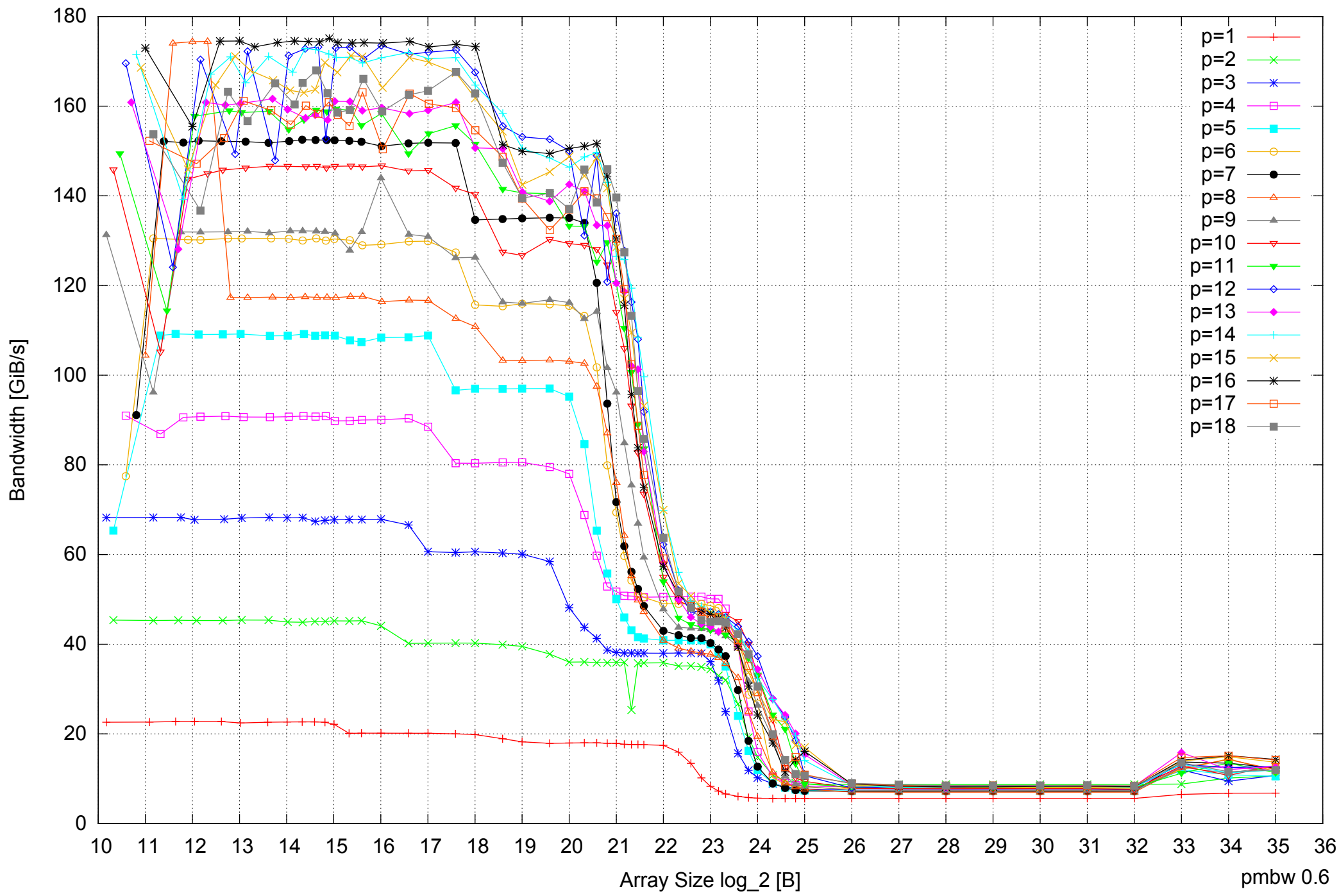
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite64IndexSimpleLoop



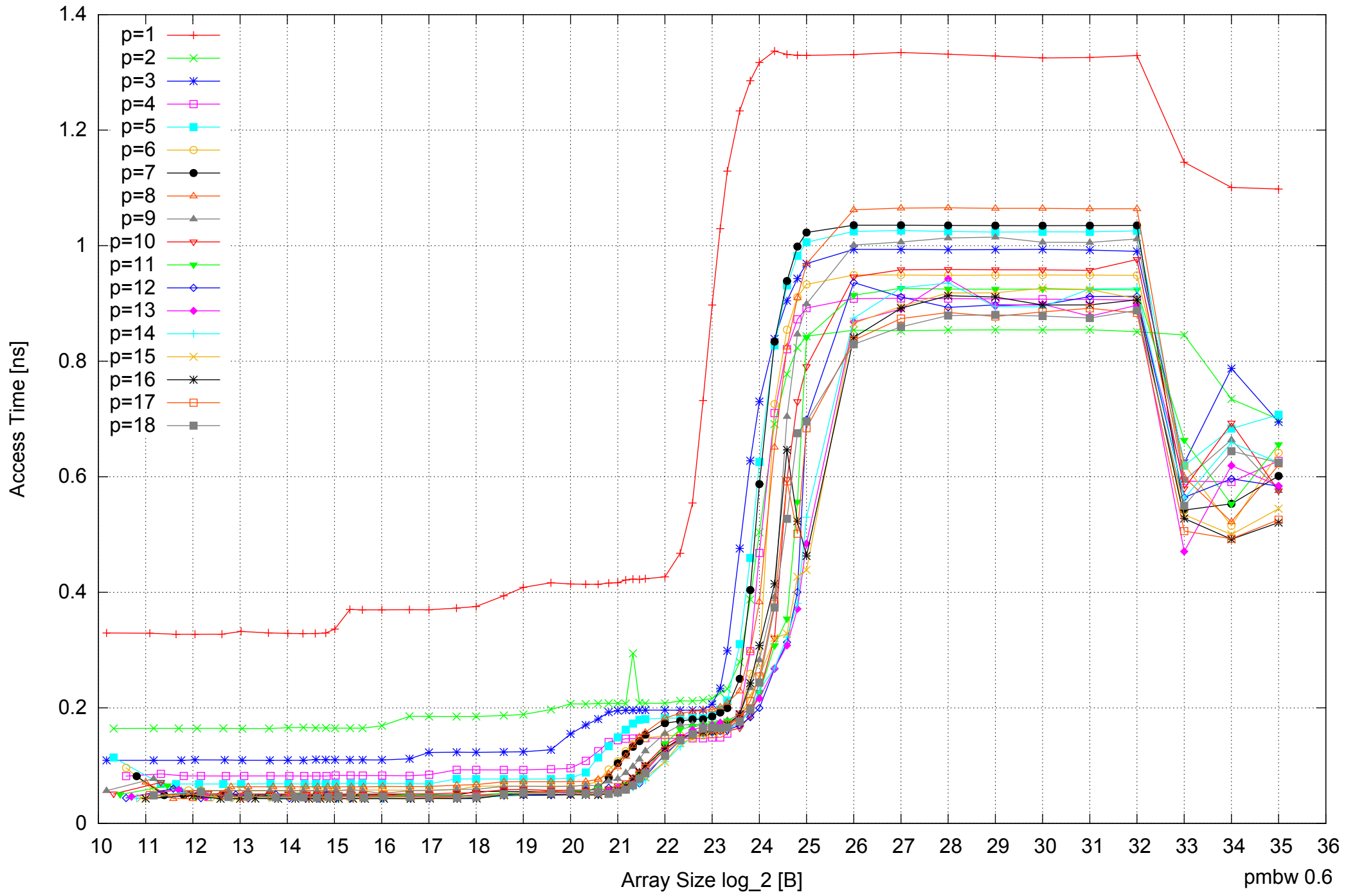
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop



Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite64IndexUnrollLoop

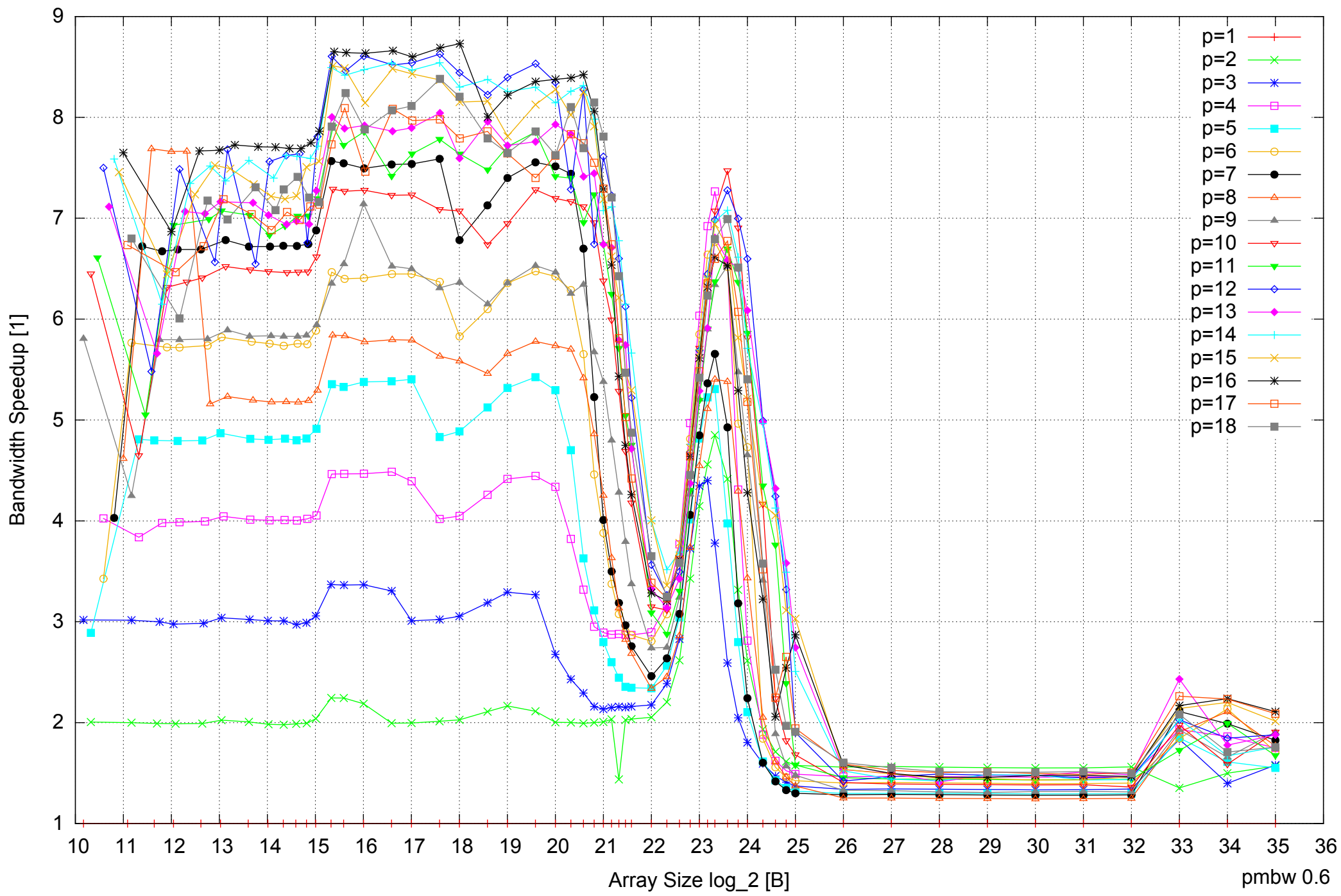


Intel Xeon X5550 48GB - Memory Latency - ScanWrite64IndexUnrollLoop

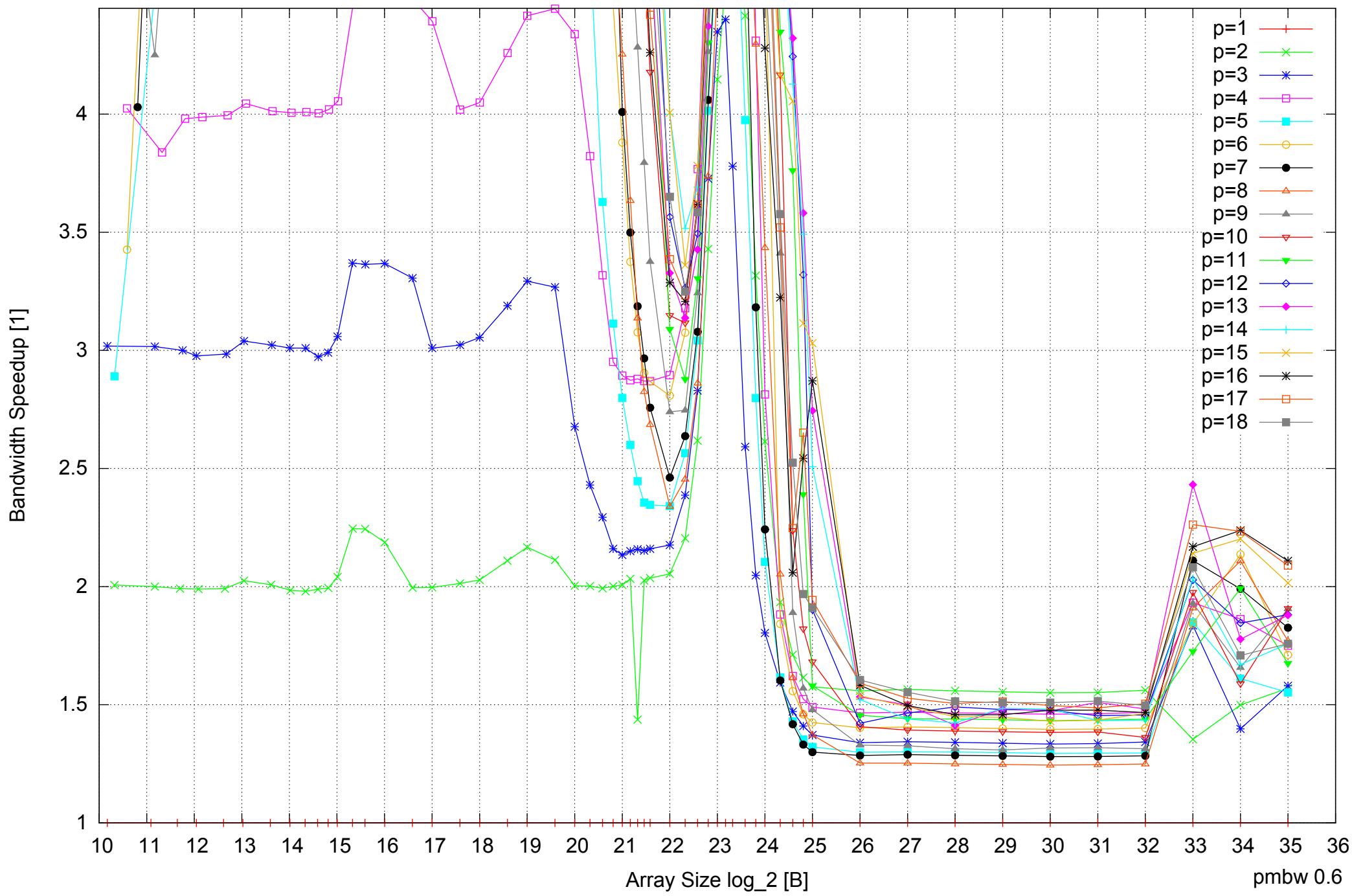




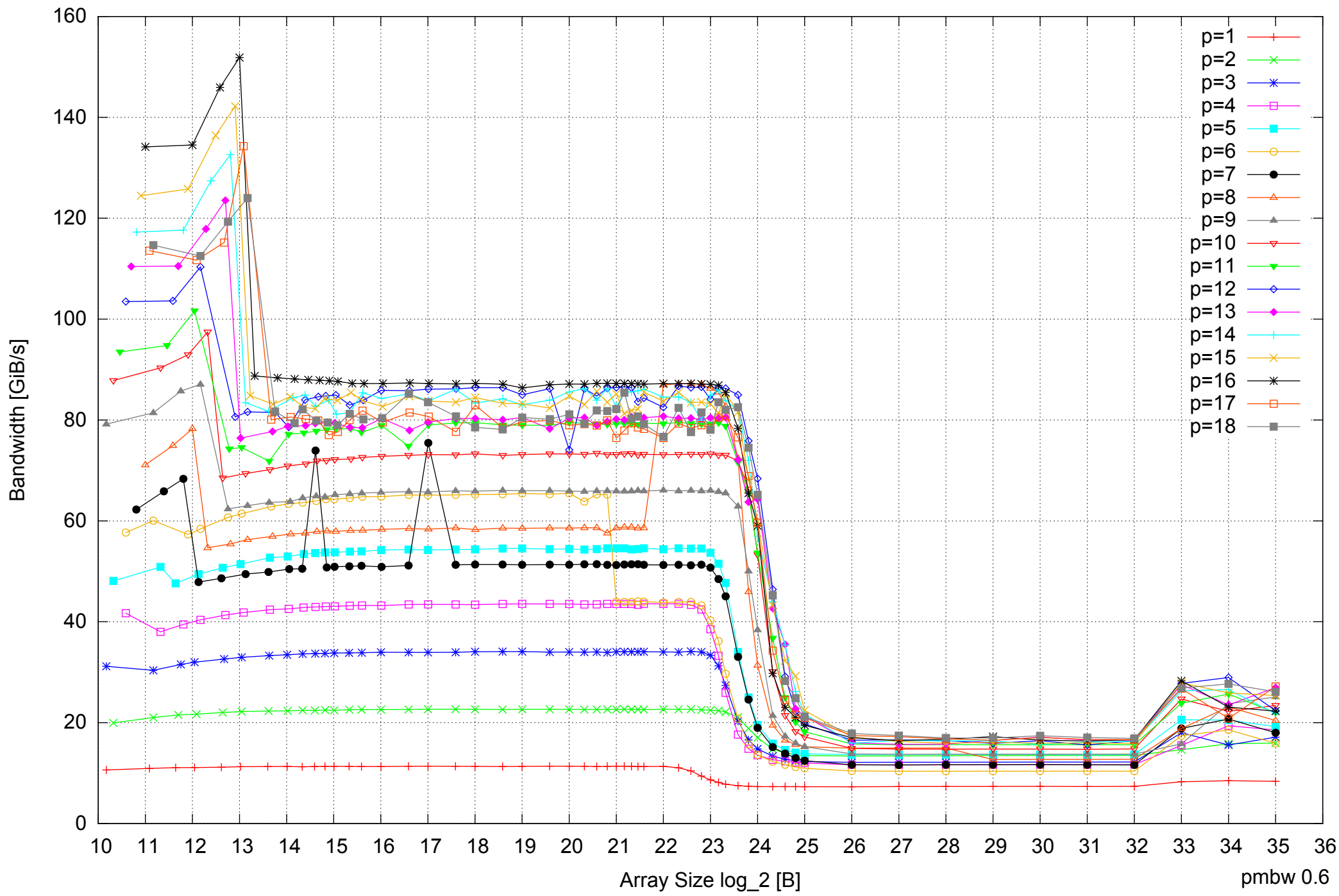
## Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite64IndexUnrollLoop



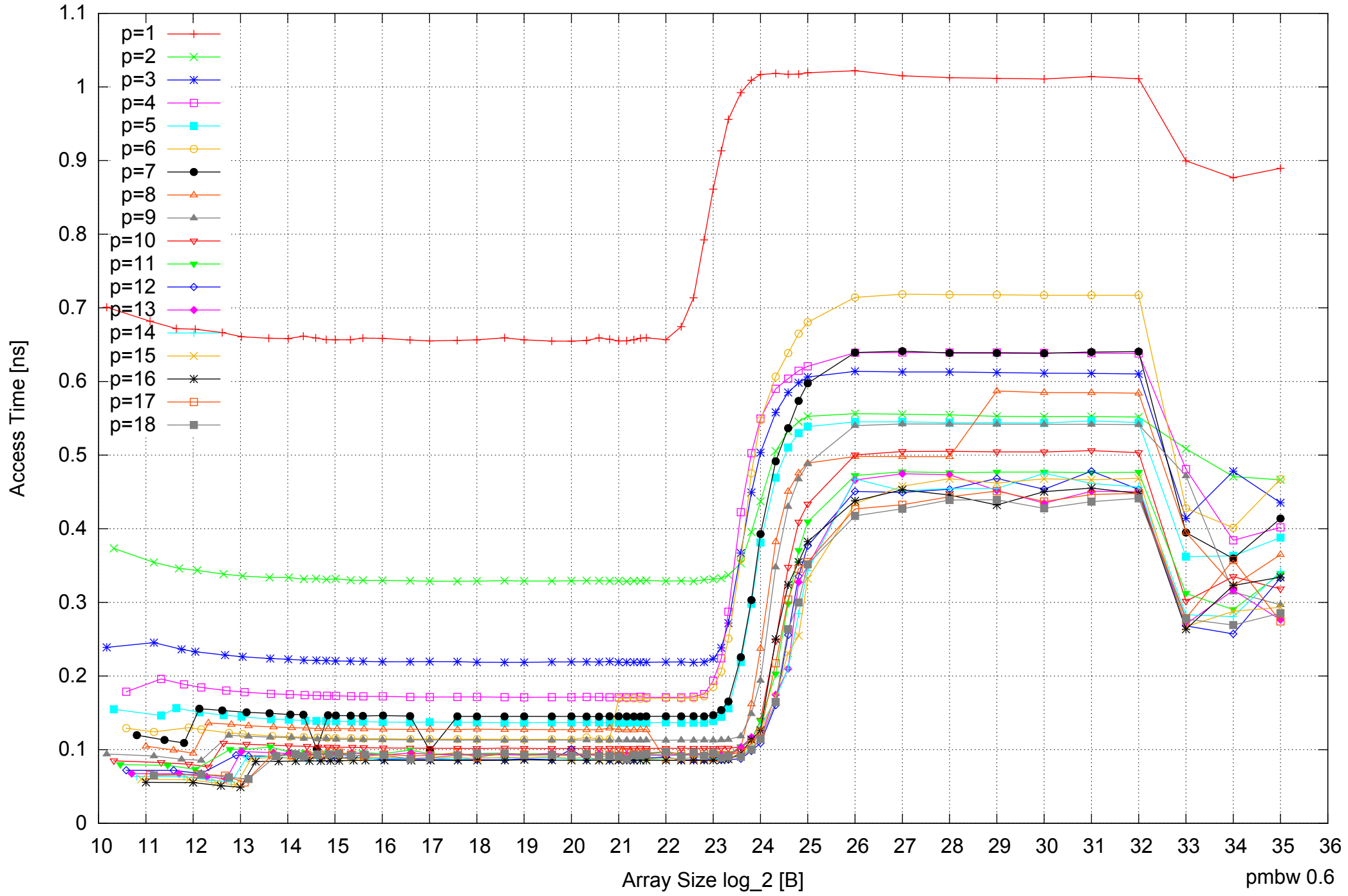
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexUnrollLoop



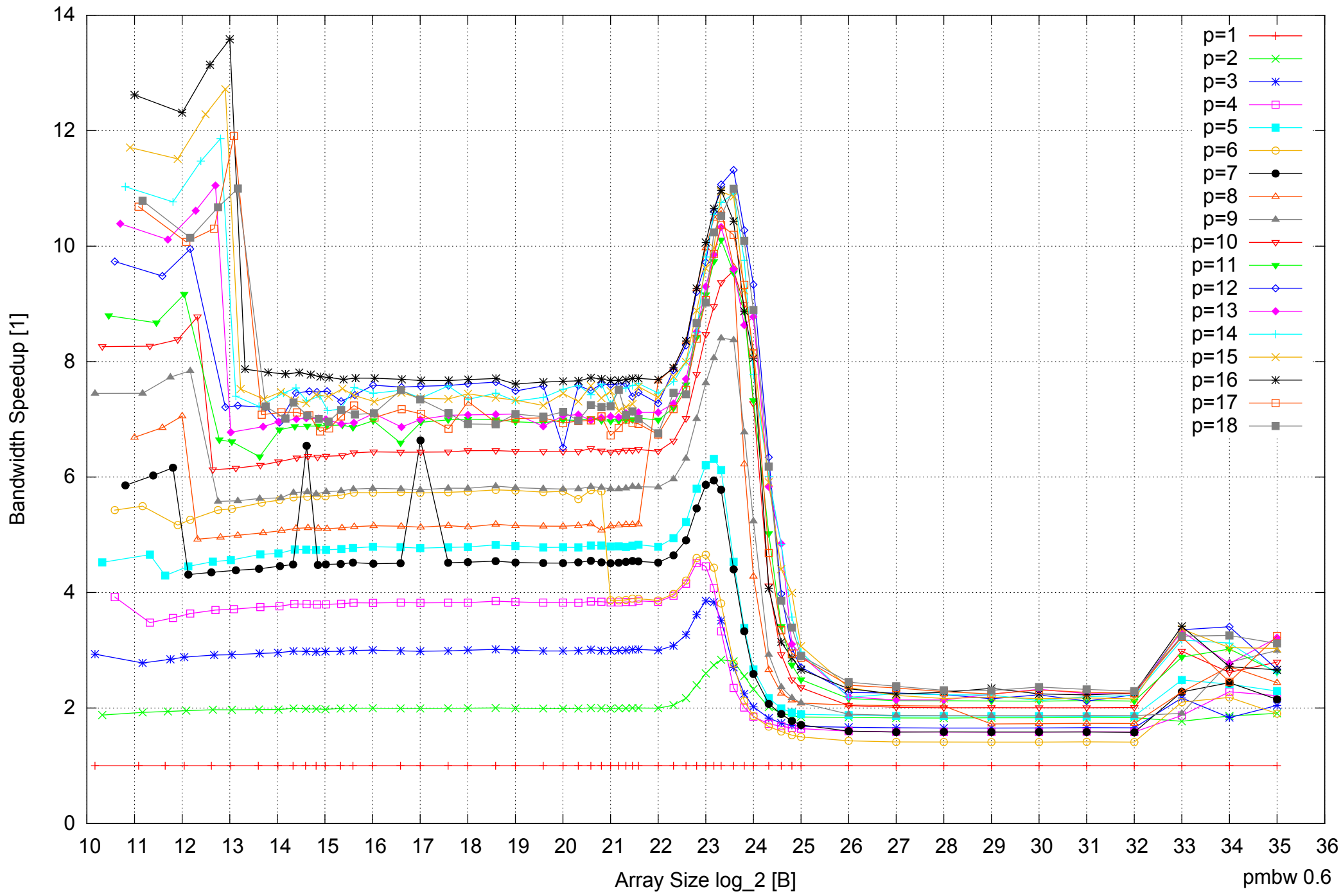
Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead64IndexSimpleLoop



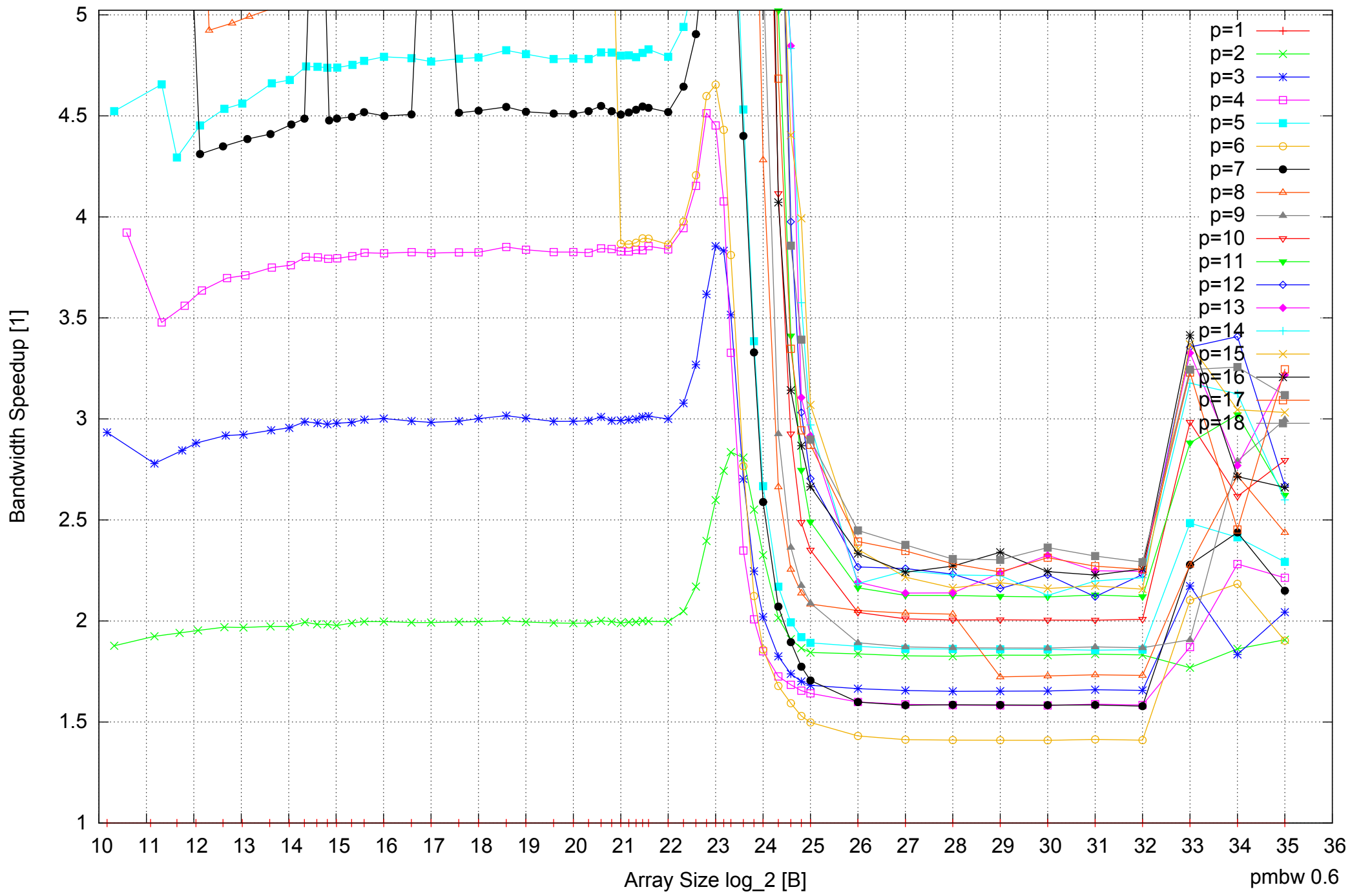
Intel Xeon X5550 48GB - Memory Latency - ScanRead64IndexSimpleLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead64IndexSimpleLoop

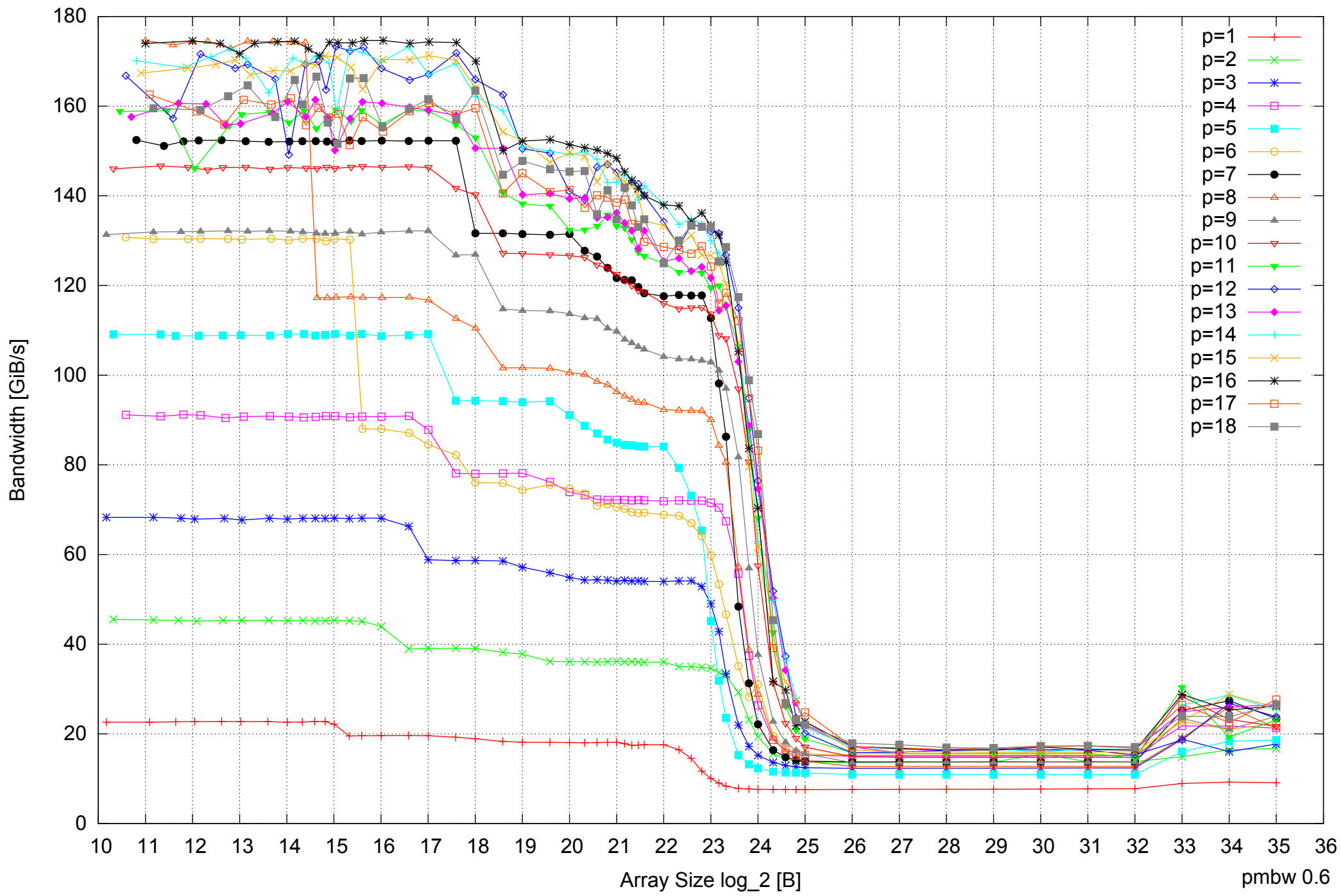


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64IndexSimpleLoop

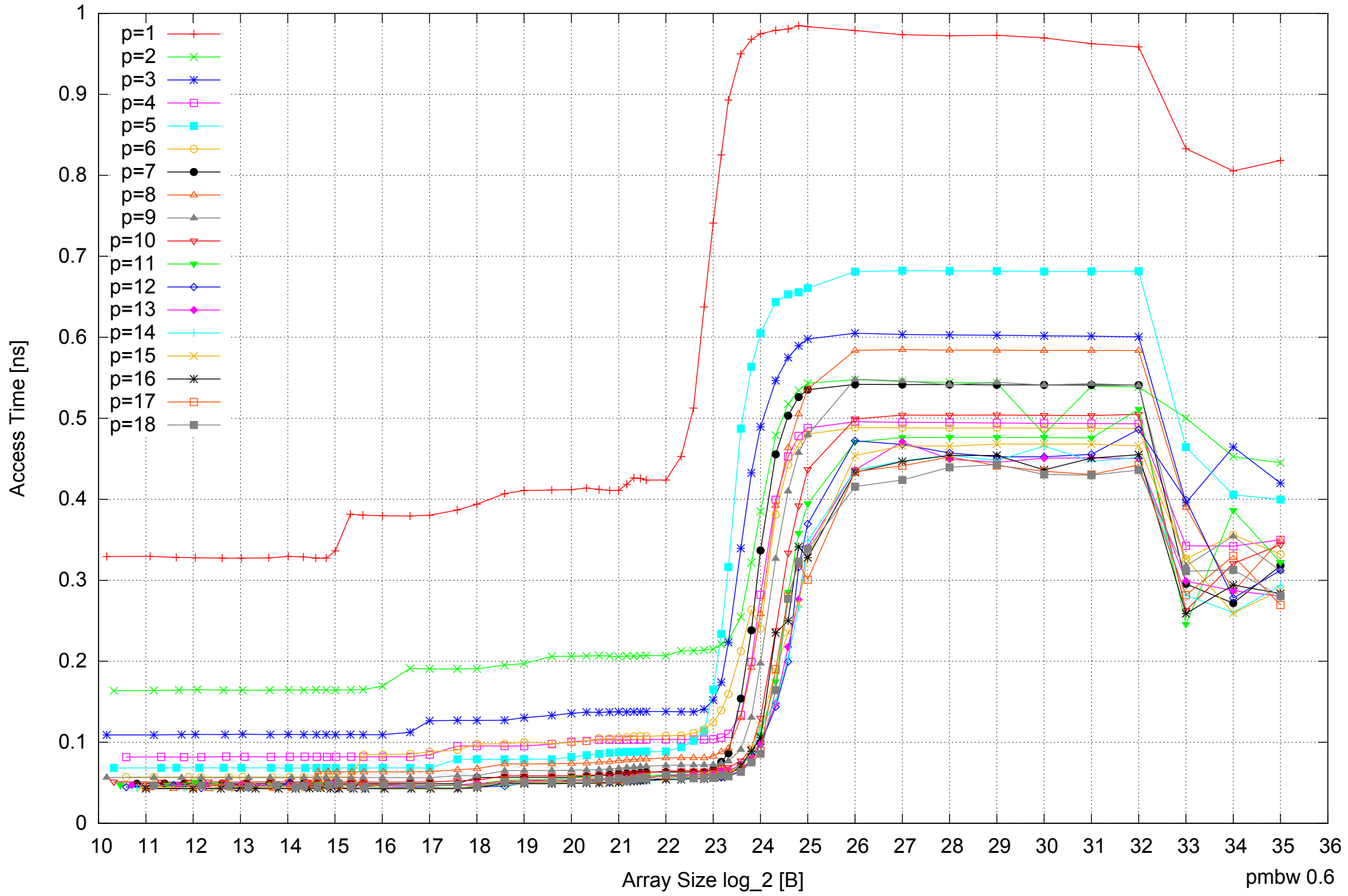




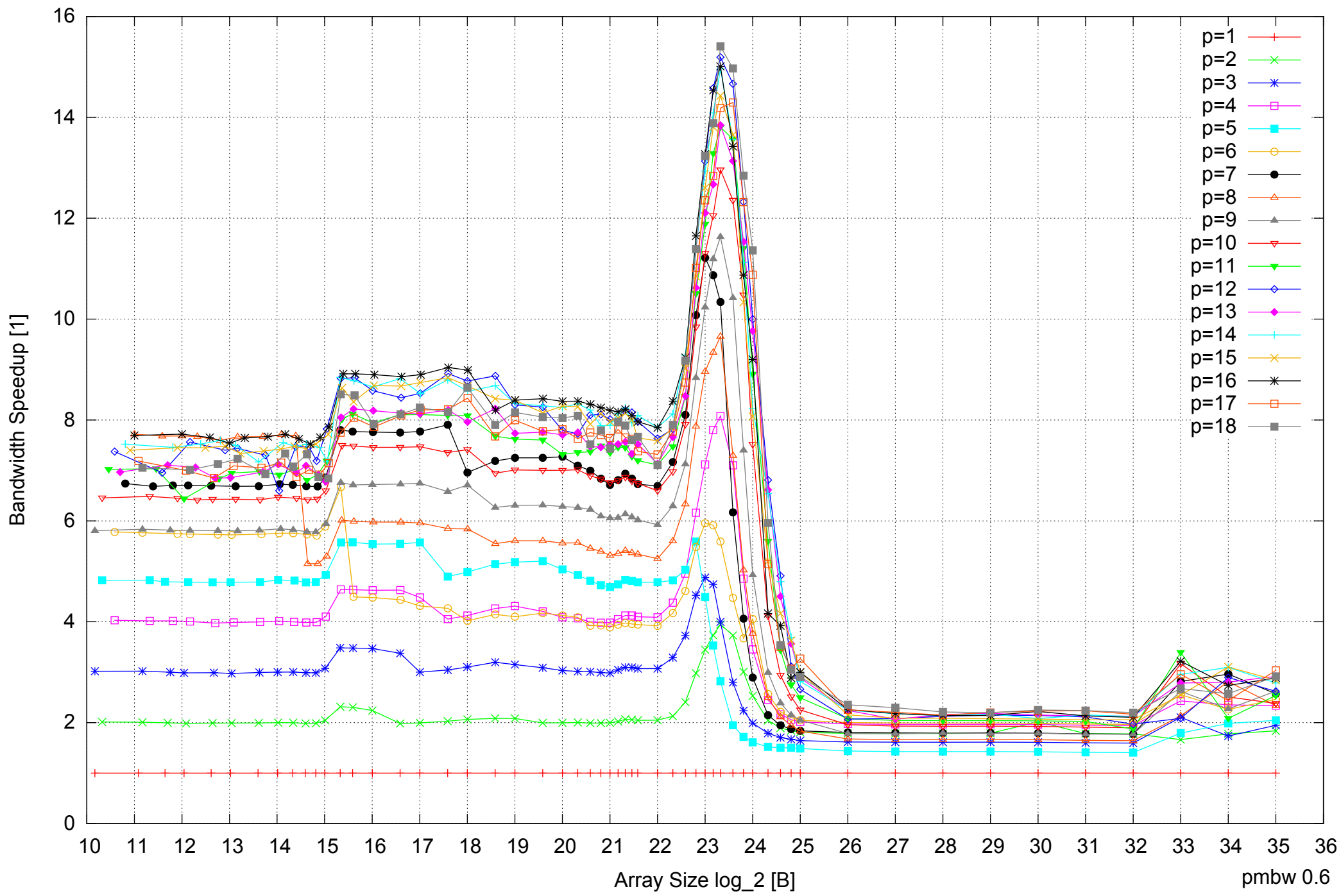
Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead64IndexUnrollLoop



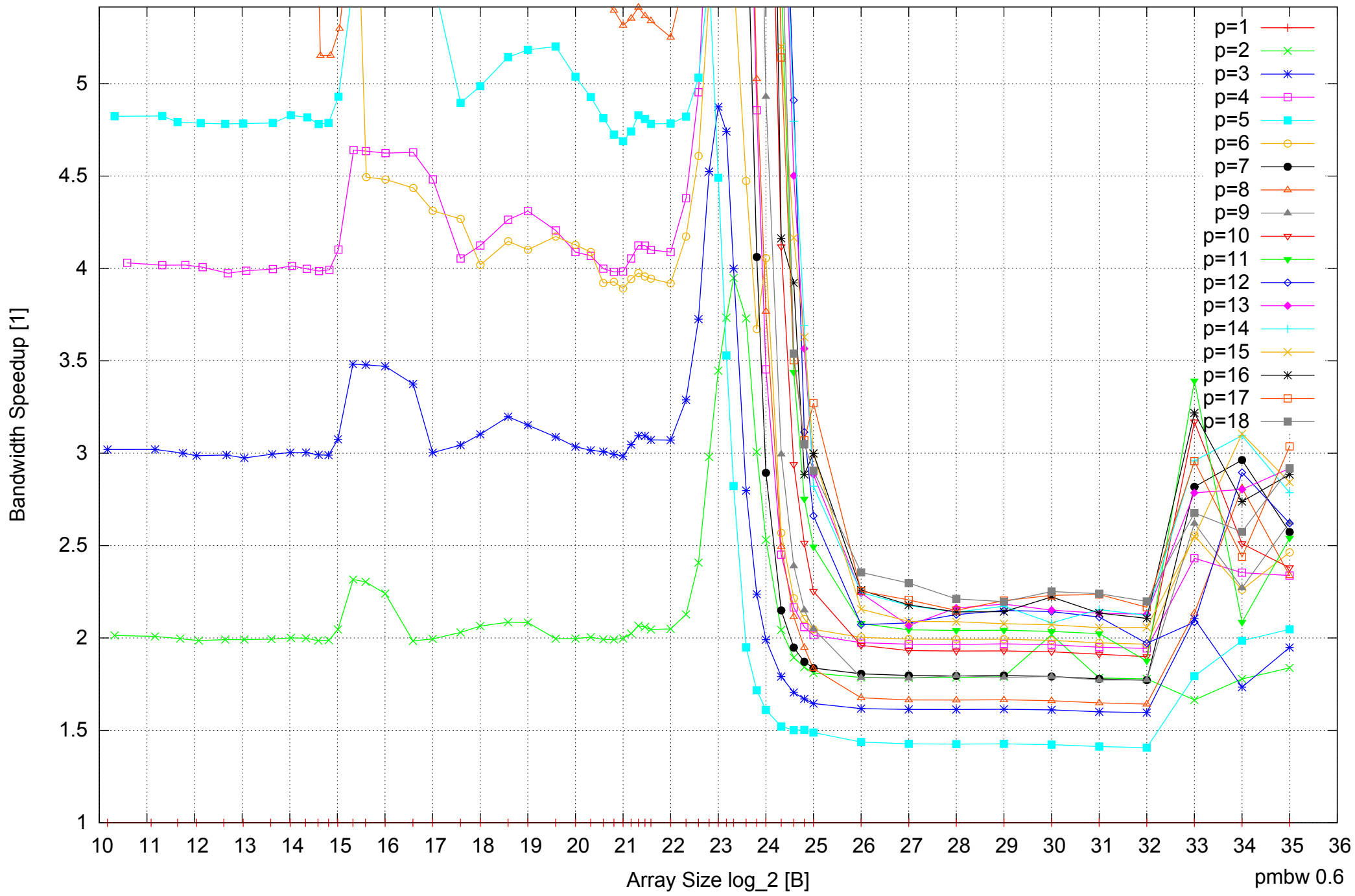
Intel Xeon X5550 48GB - Memory Latency - ScanRead64IndexUnrollLoop



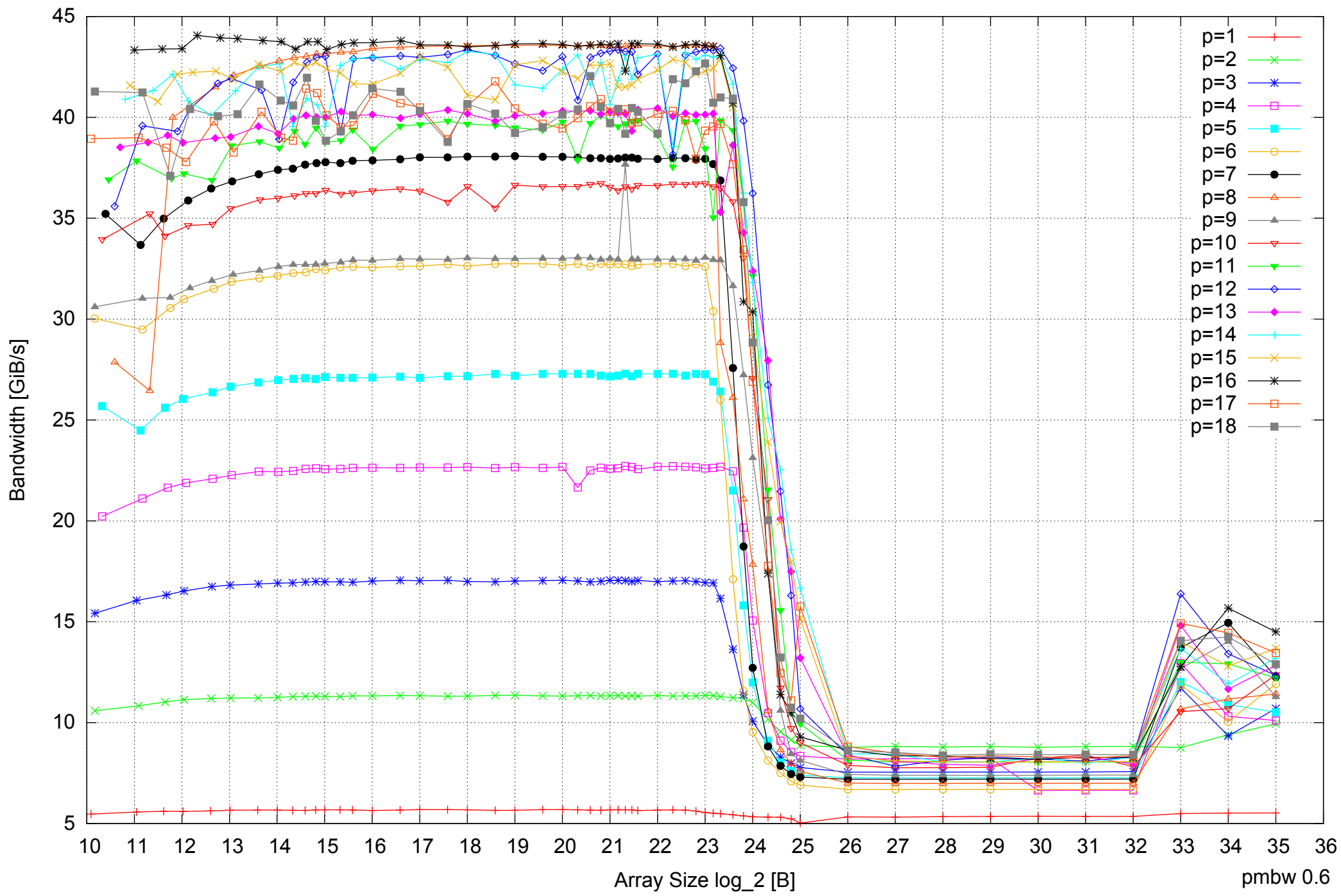
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead64IndexUnrollLoop



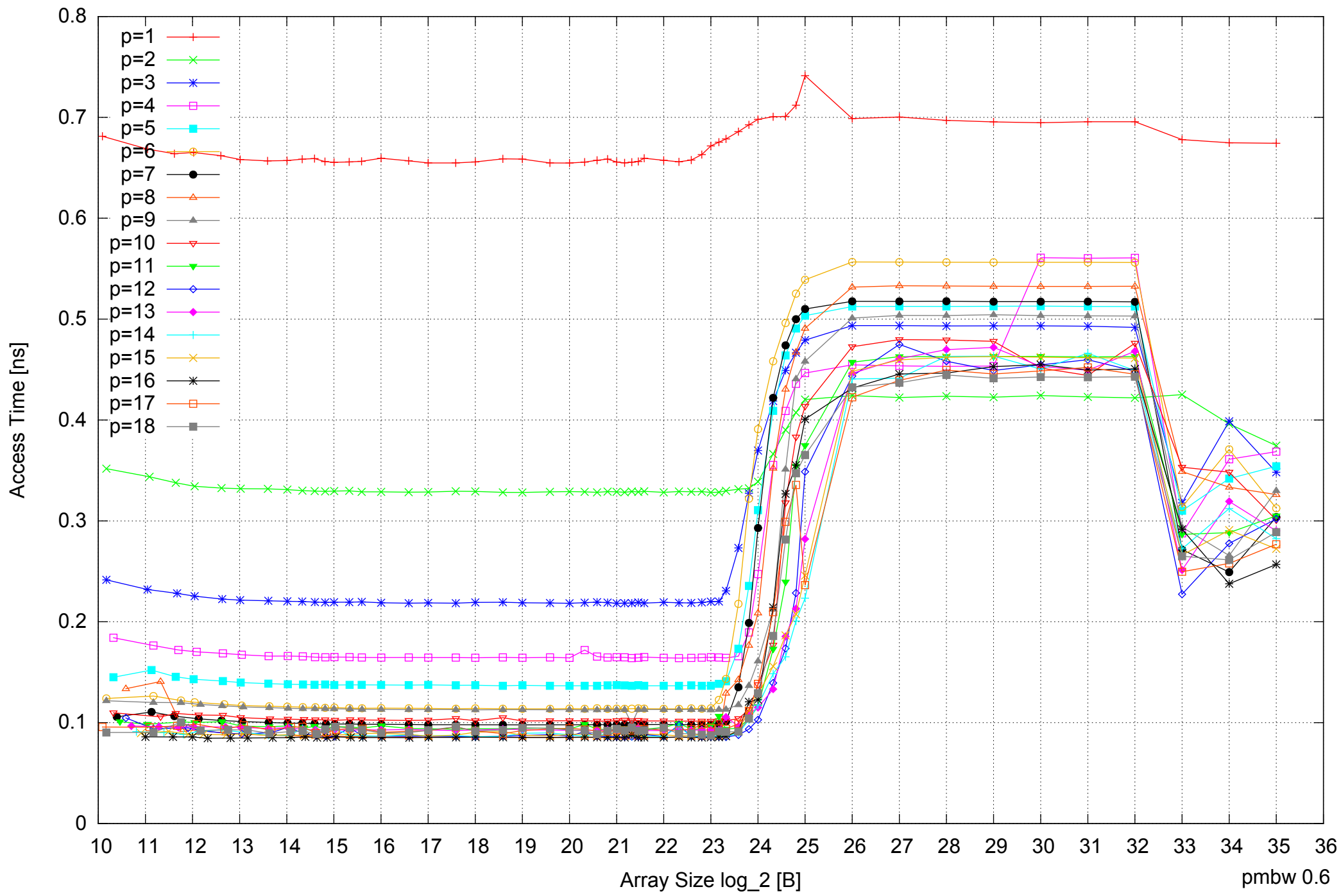
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64IndexUnrollLoop



Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite32PtrSimpleLoop

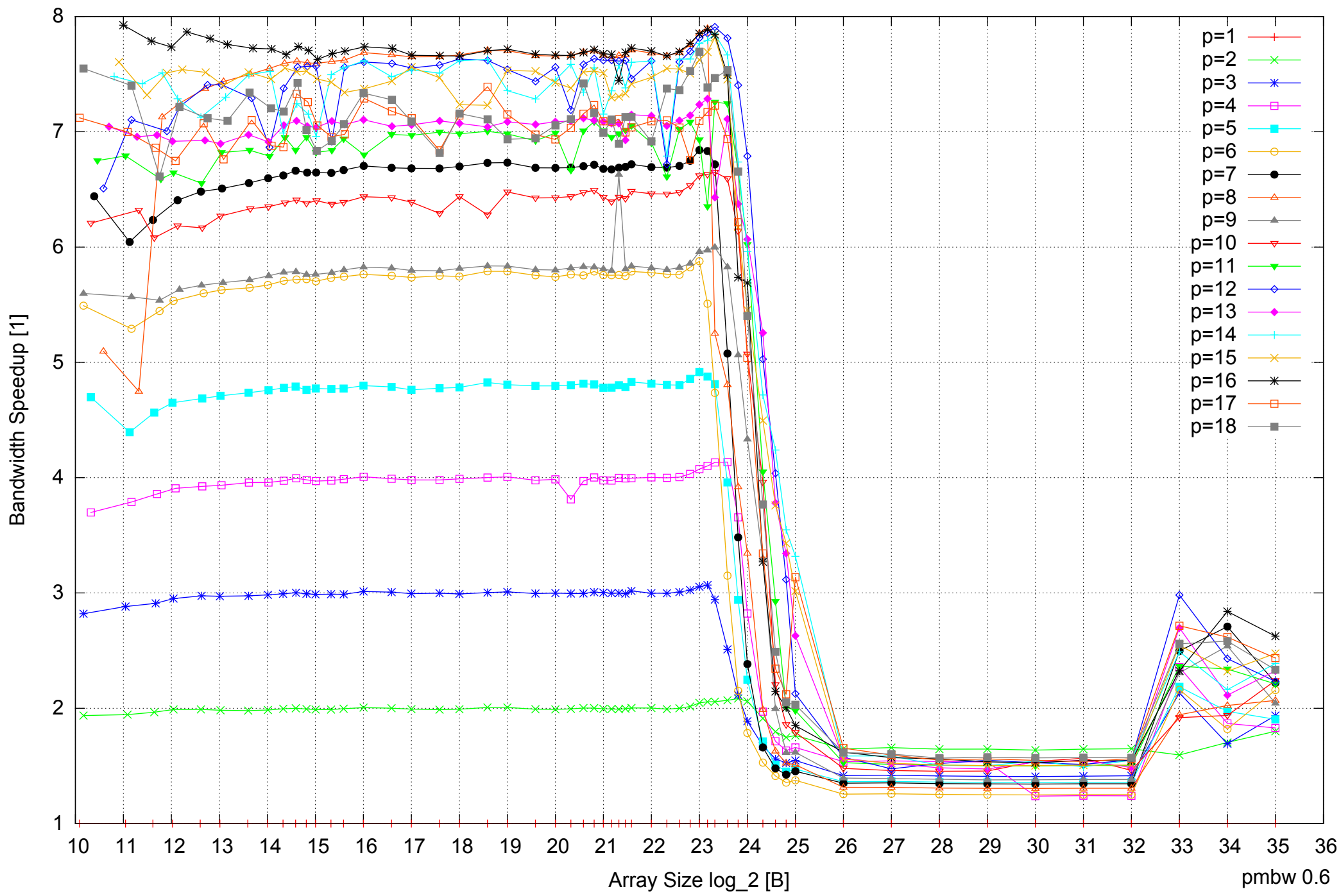


Intel Xeon X5550 48GB - Memory Latency - ScanWrite32PtrSimpleLoop

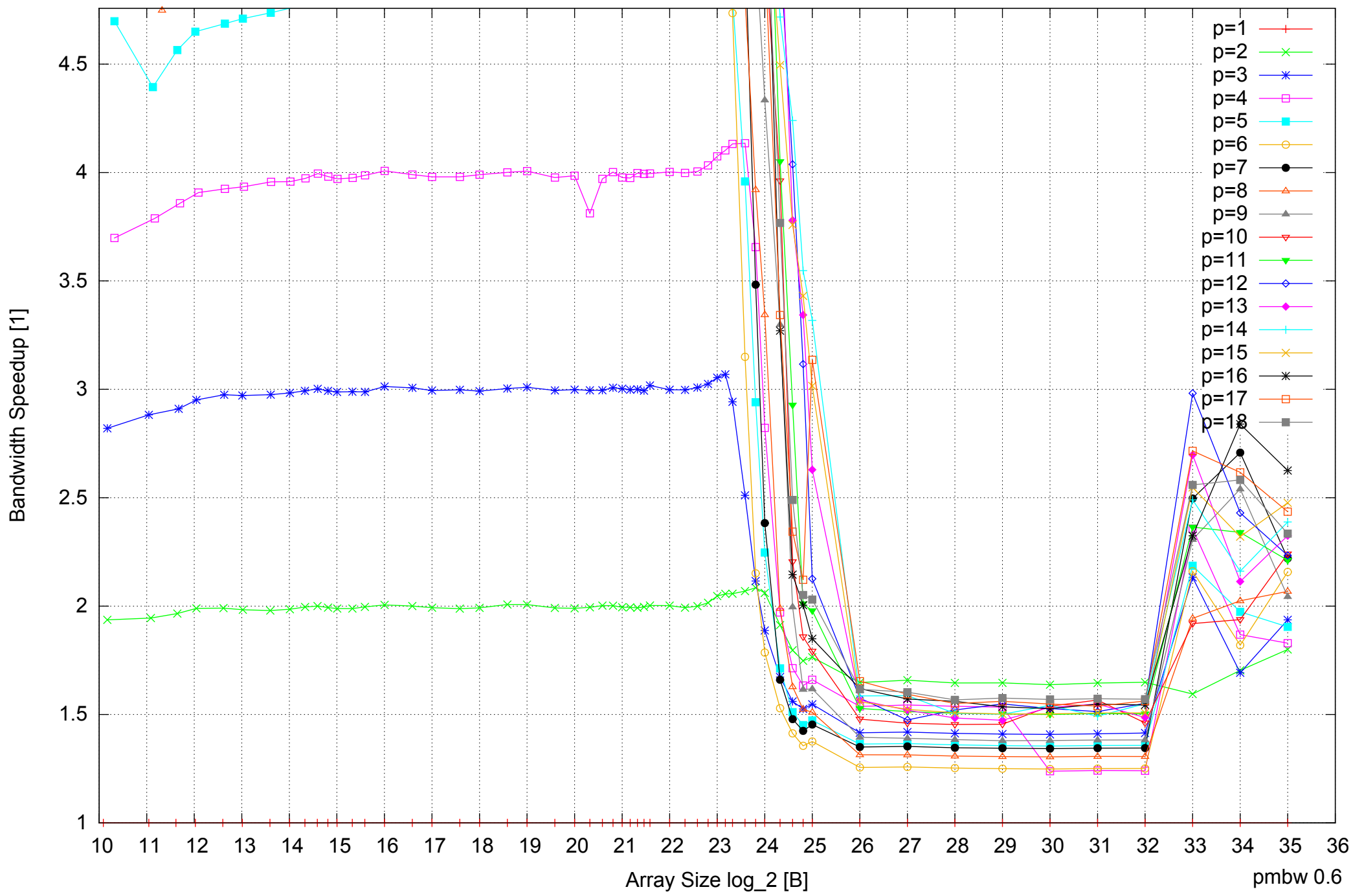




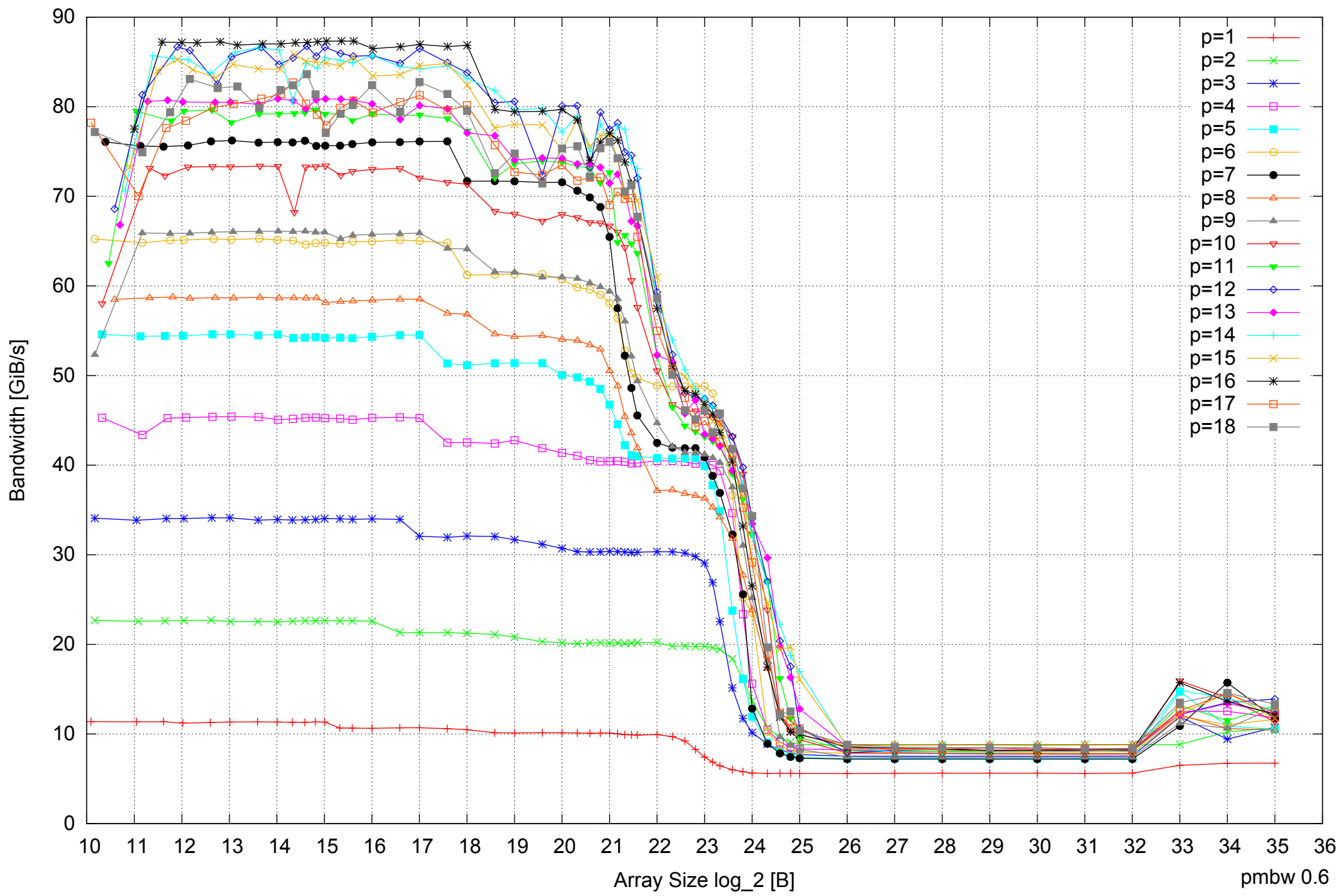
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite32PtrSimpleLoop



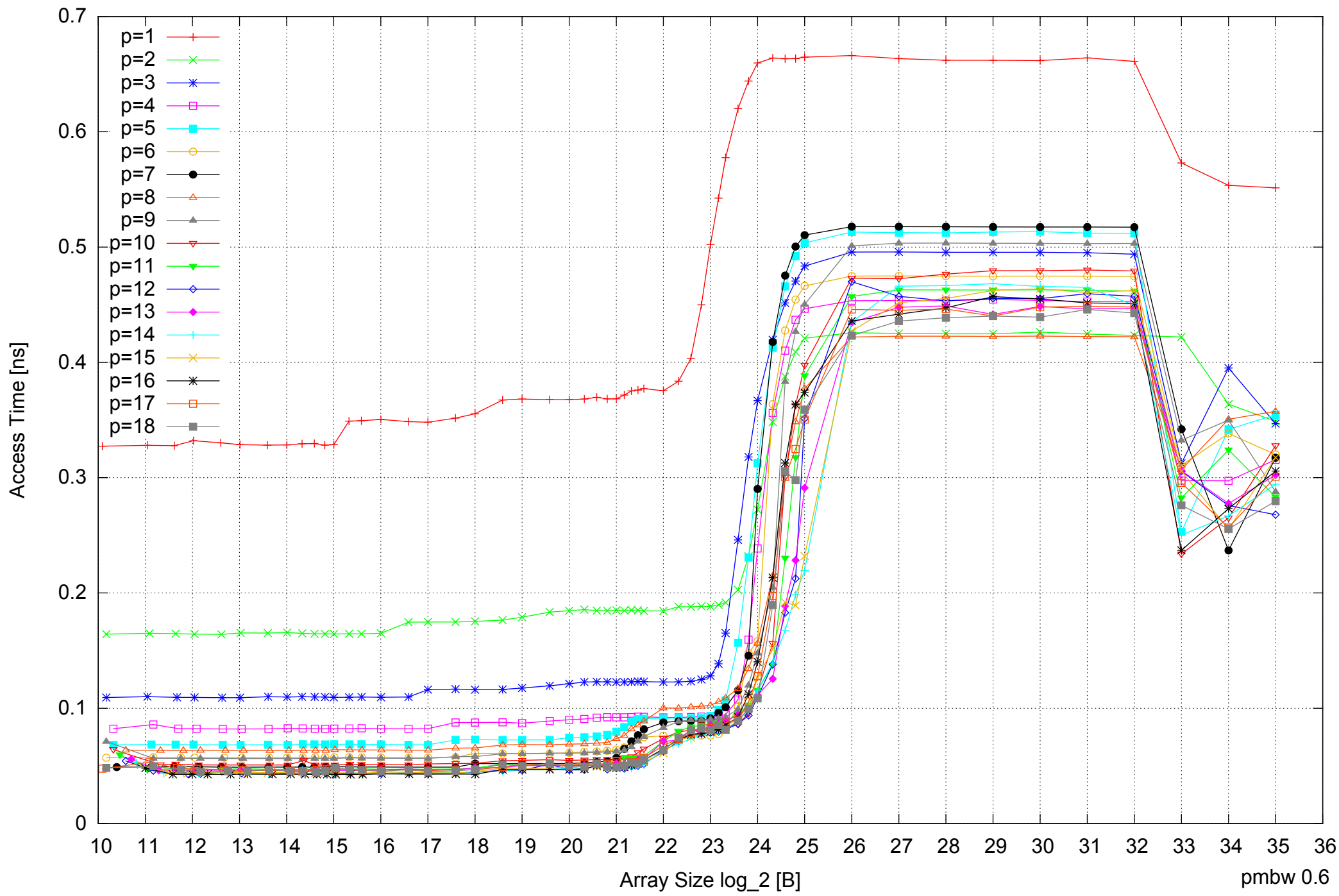
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop



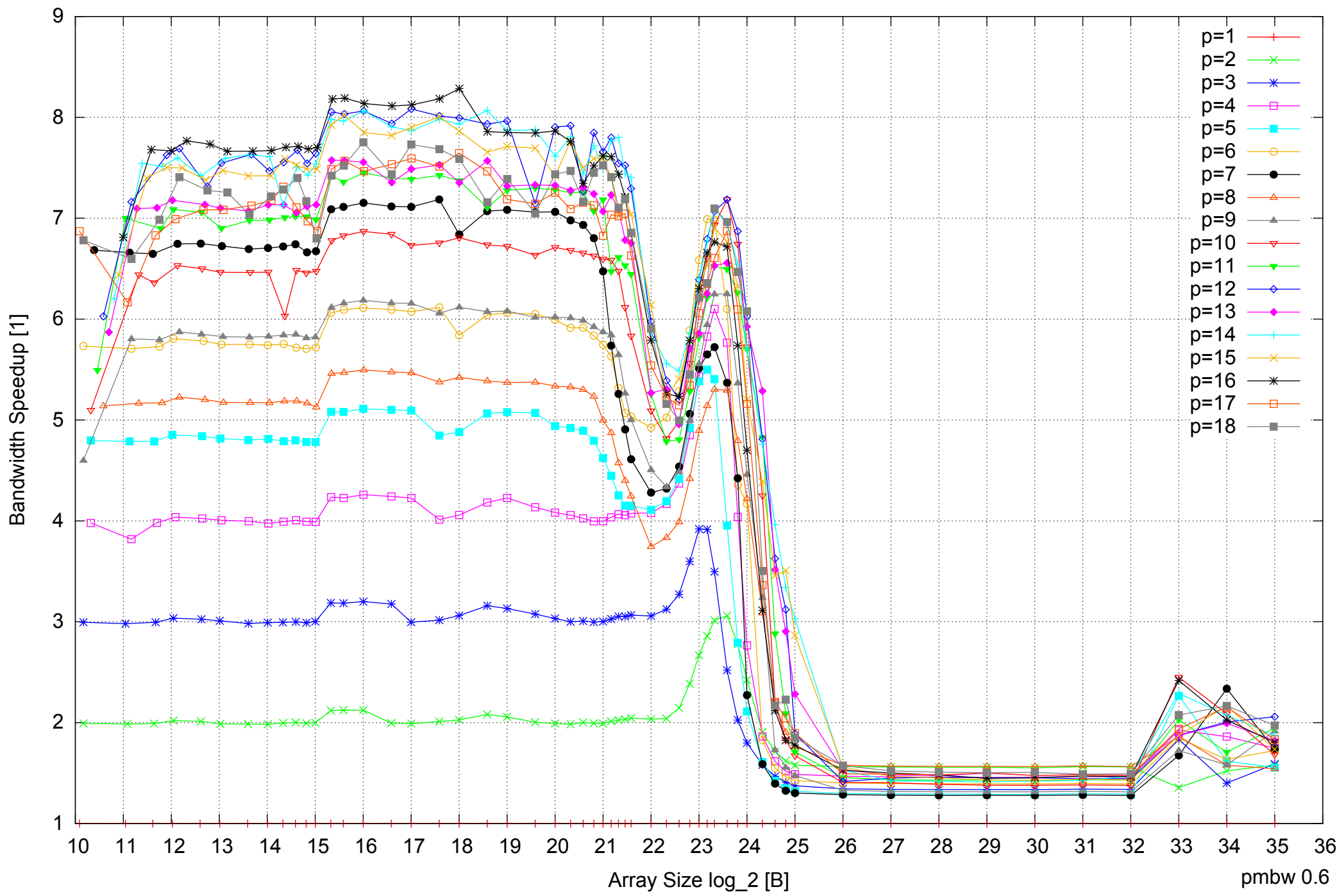
Intel Xeon X5550 48GB - Memory Bandwidth - ScanWrite32PtrUnrollLoop



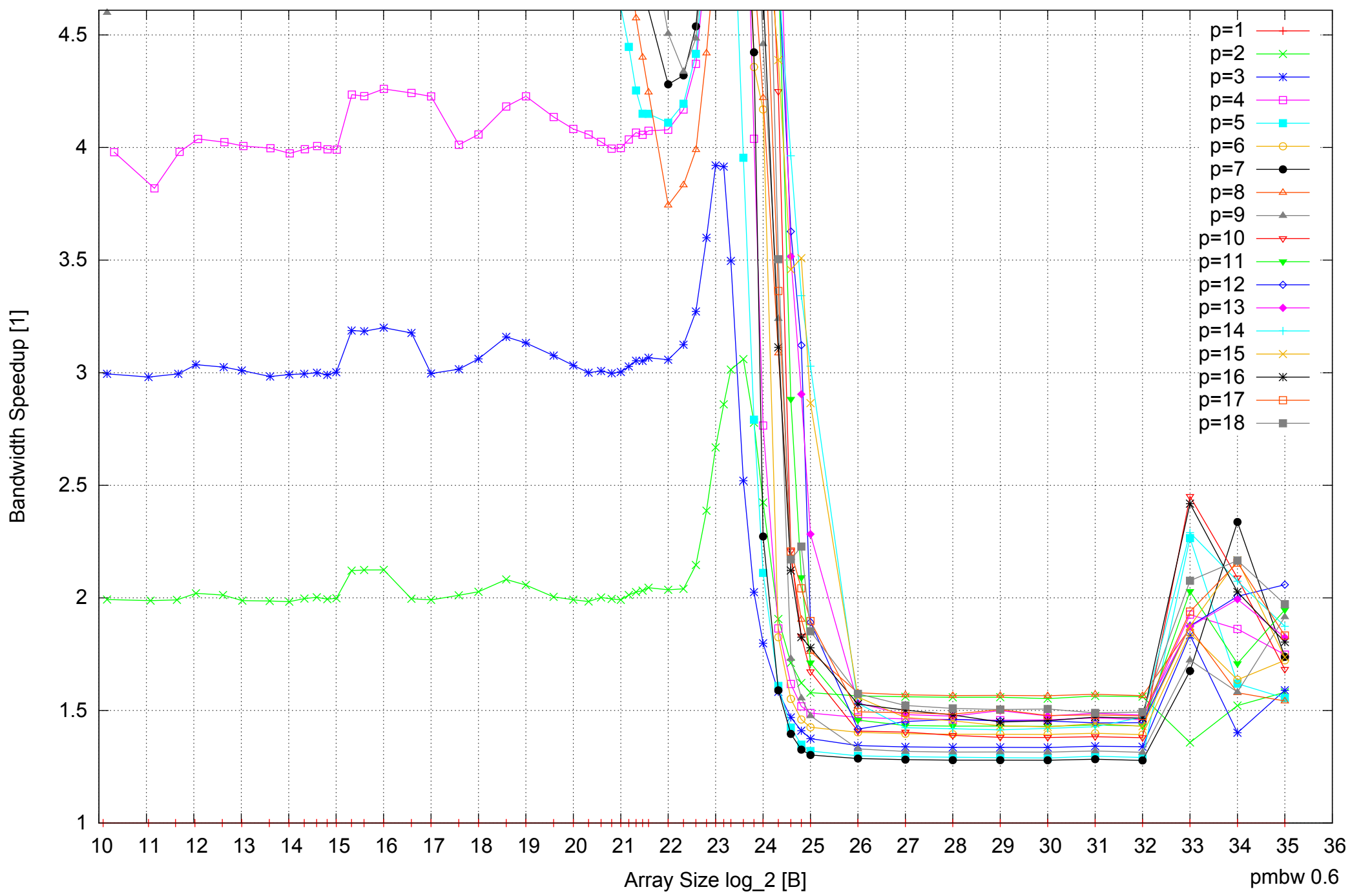
## Intel Xeon X5550 48GB - Memory Latency - ScanWrite32PtrUnrollLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanWrite32PtrUnrollLoop

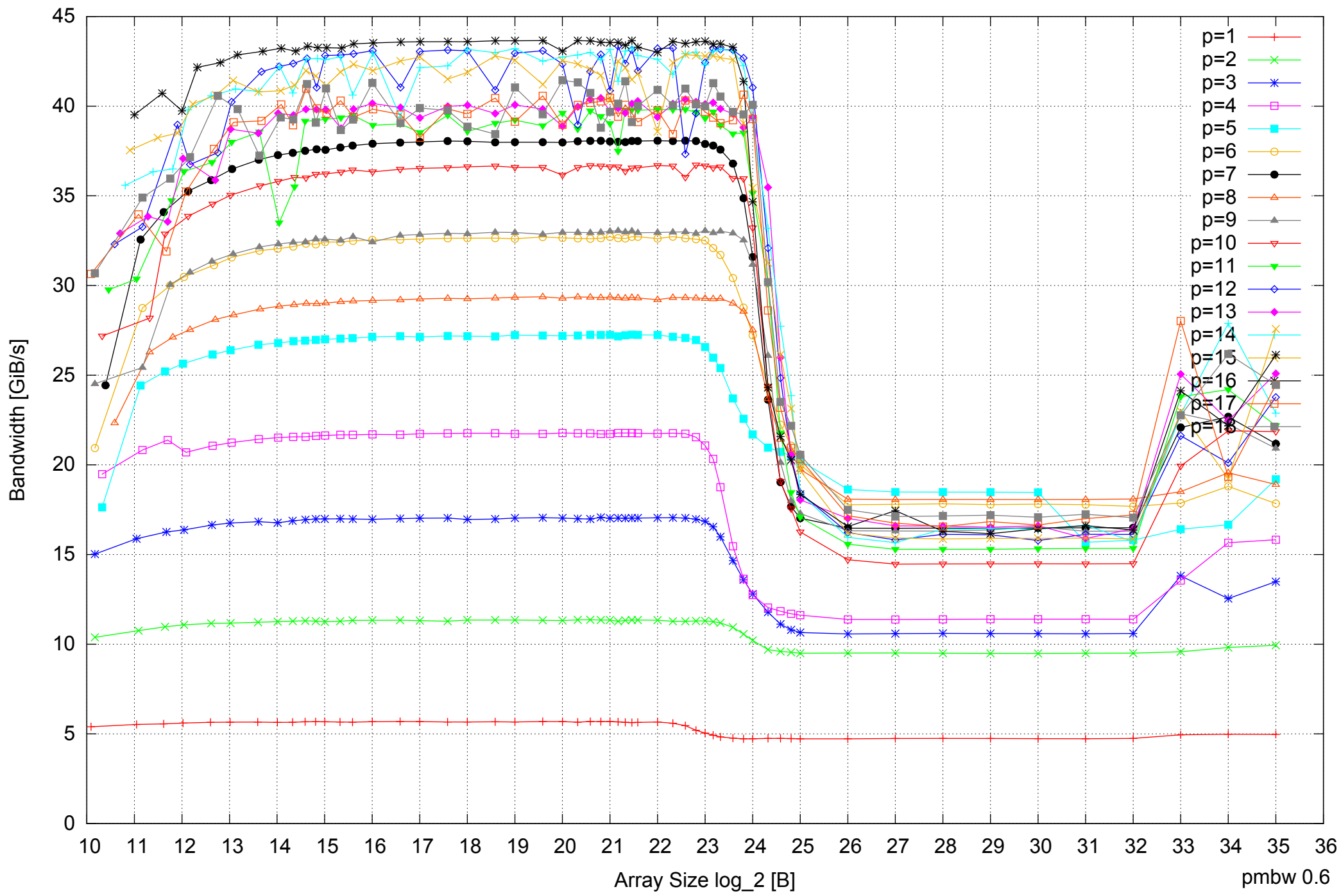


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop

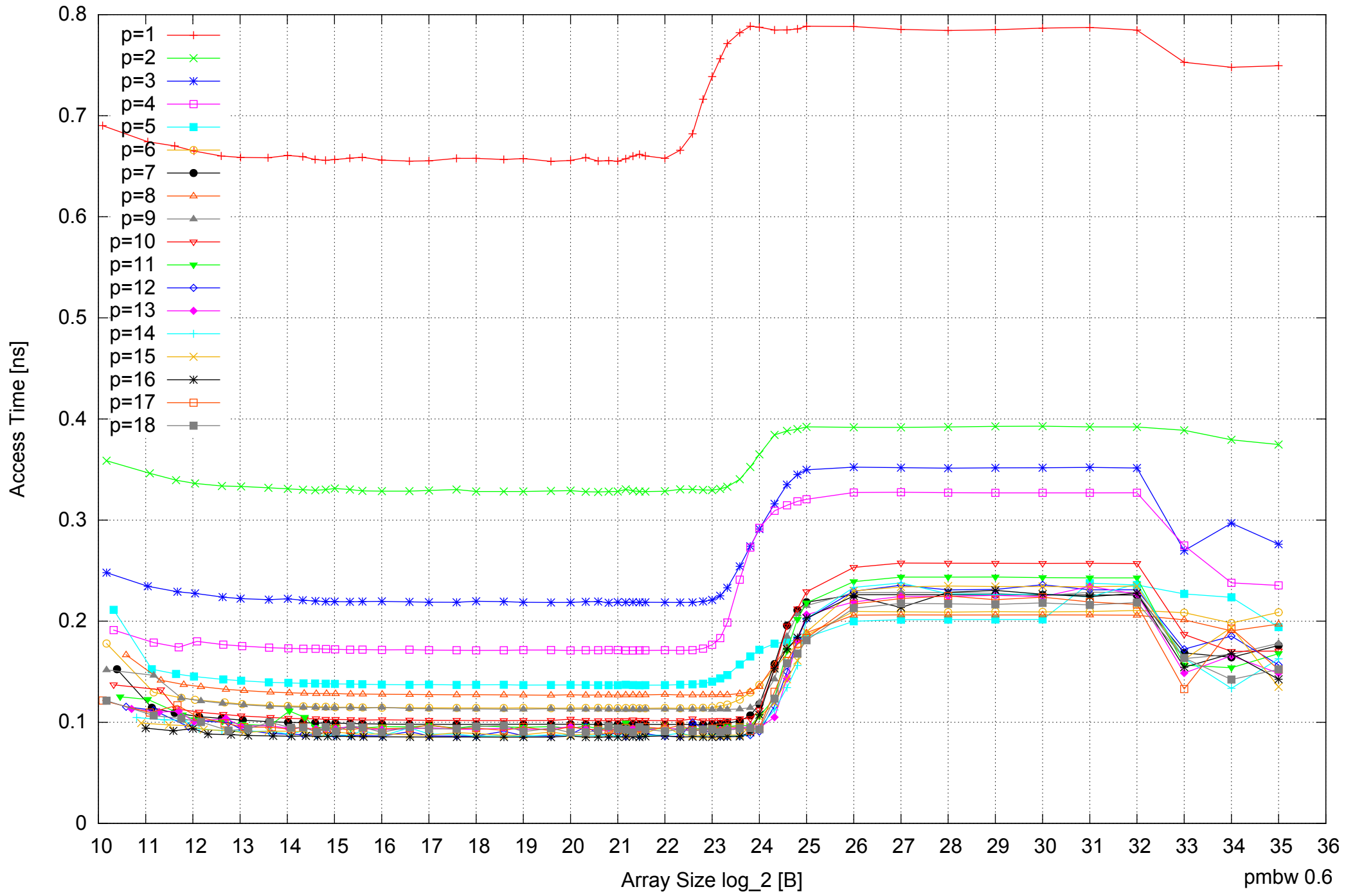




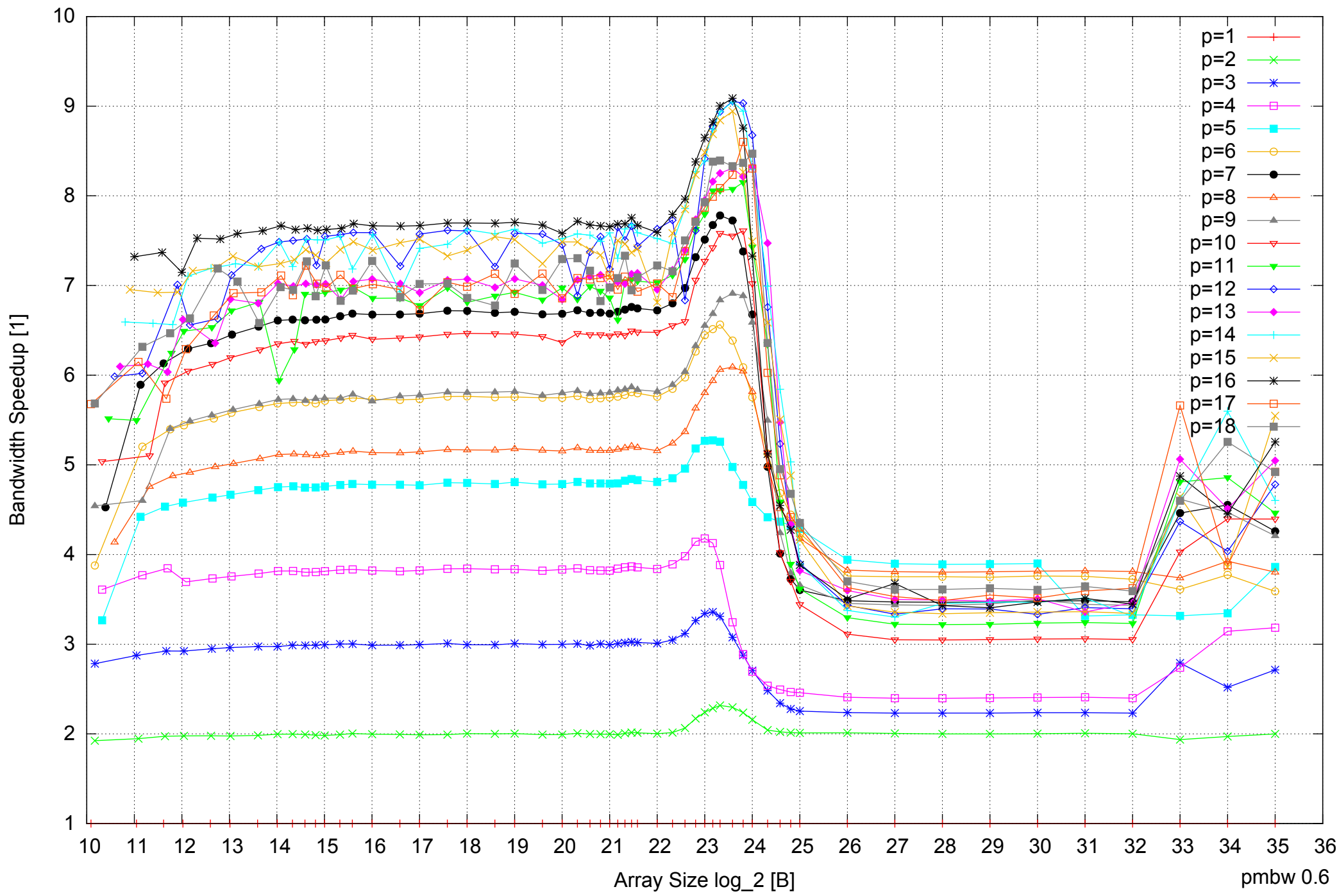
Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead32PtrSimpleLoop



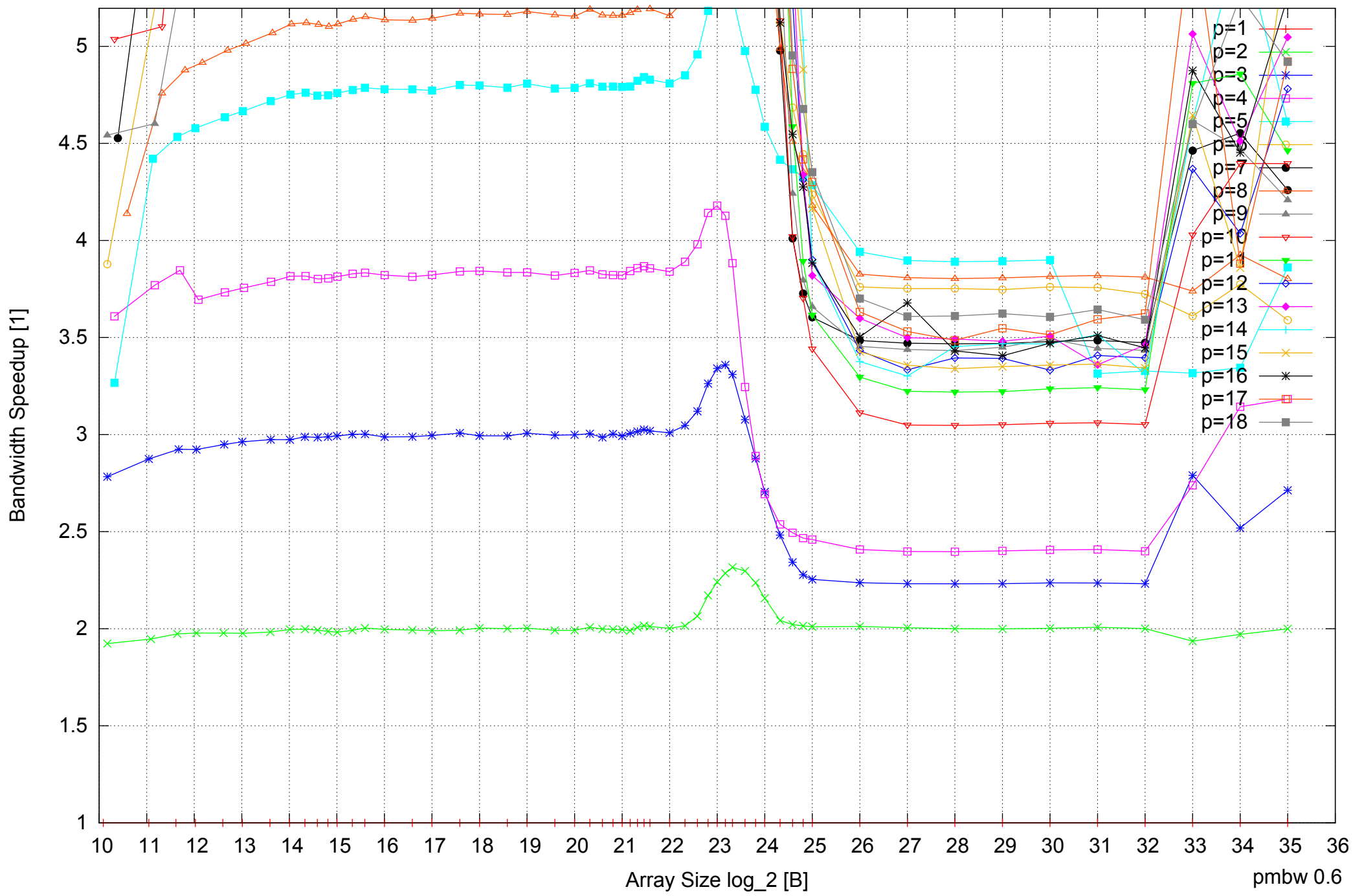
Intel Xeon X5550 48GB - Memory Latency - ScanRead32PtrSimpleLoop



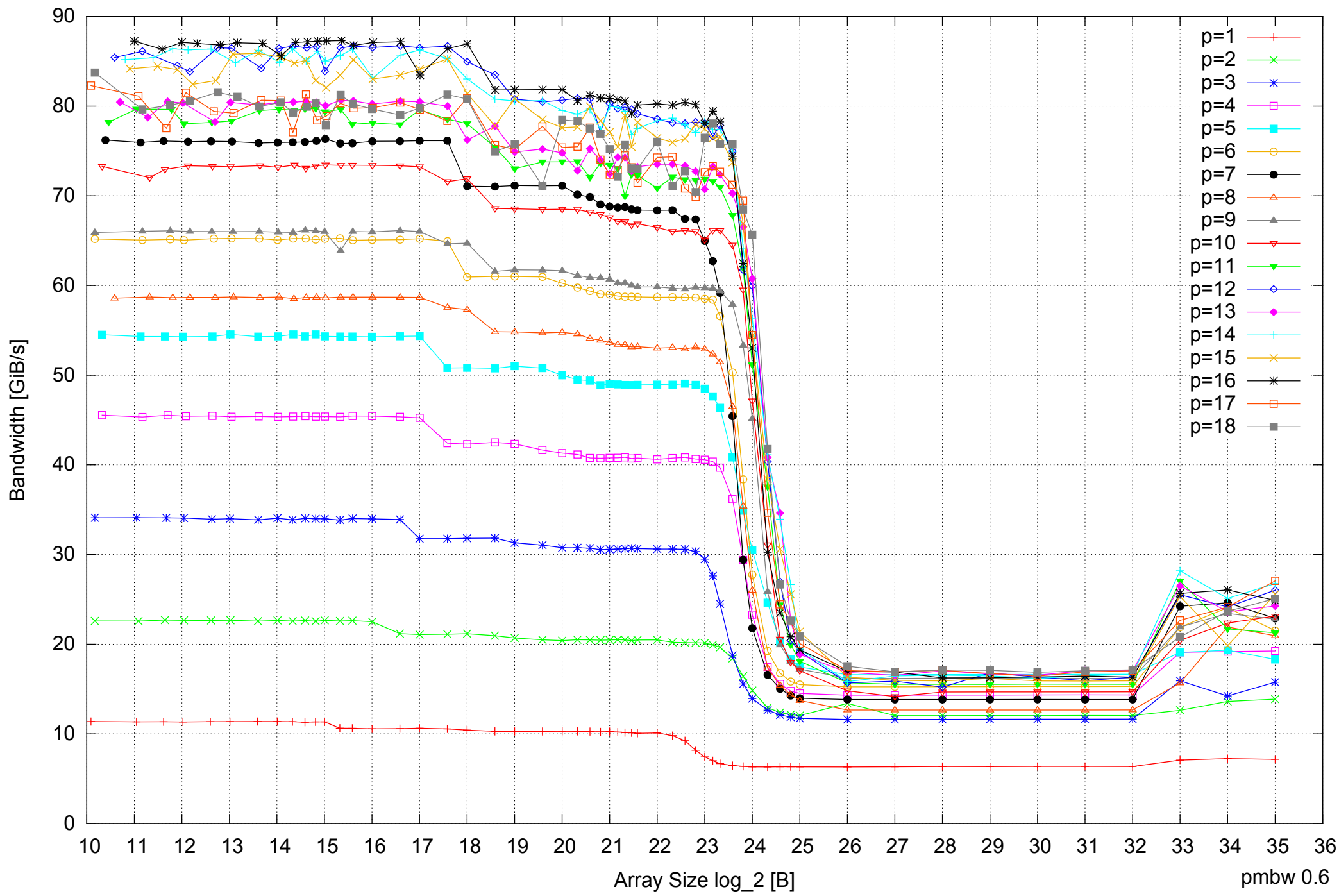
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead32PtrSimpleLoop



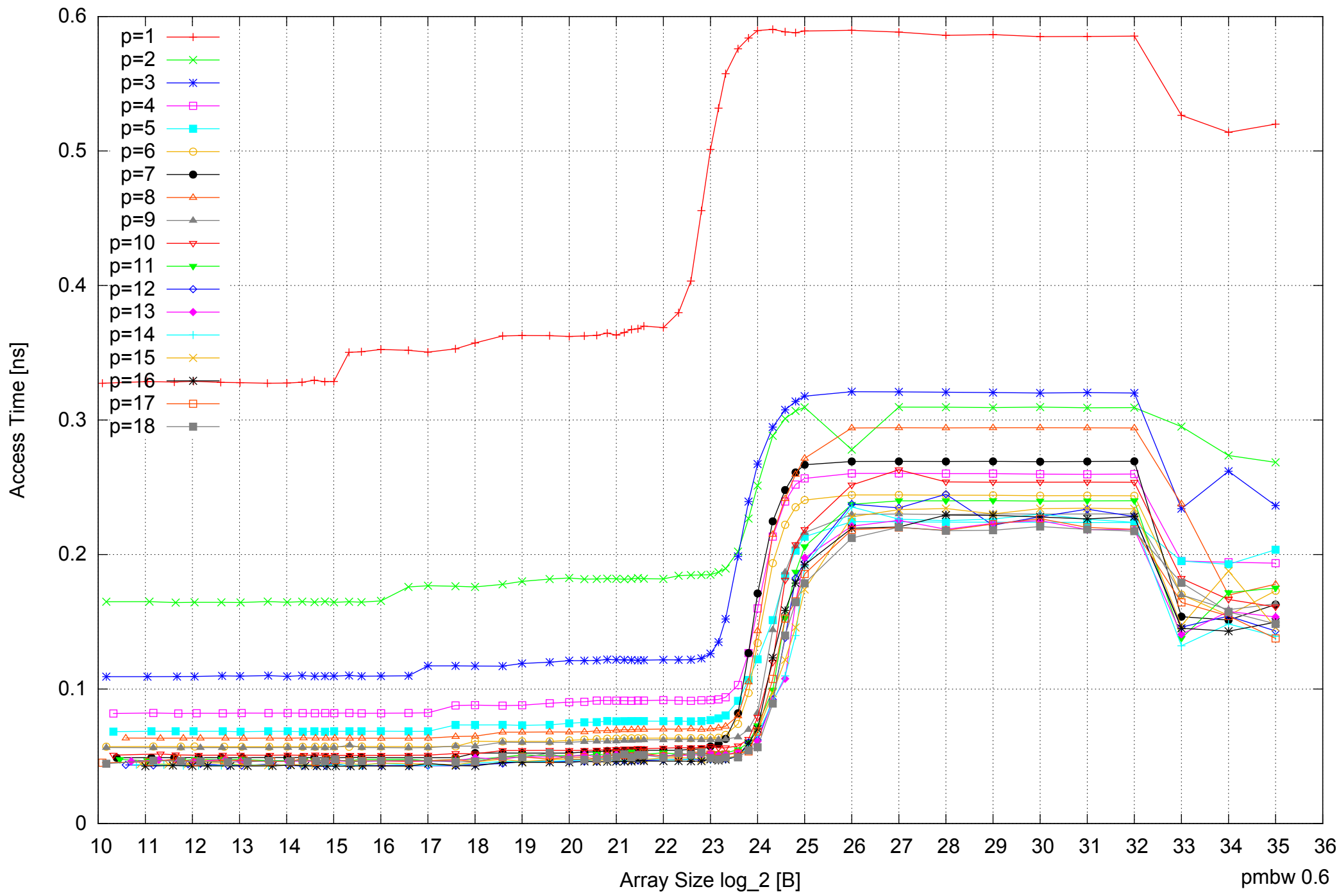
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead32PtrSimpleLoop



Intel Xeon X5550 48GB - Memory Bandwidth - ScanRead32PtrUnrollLoop

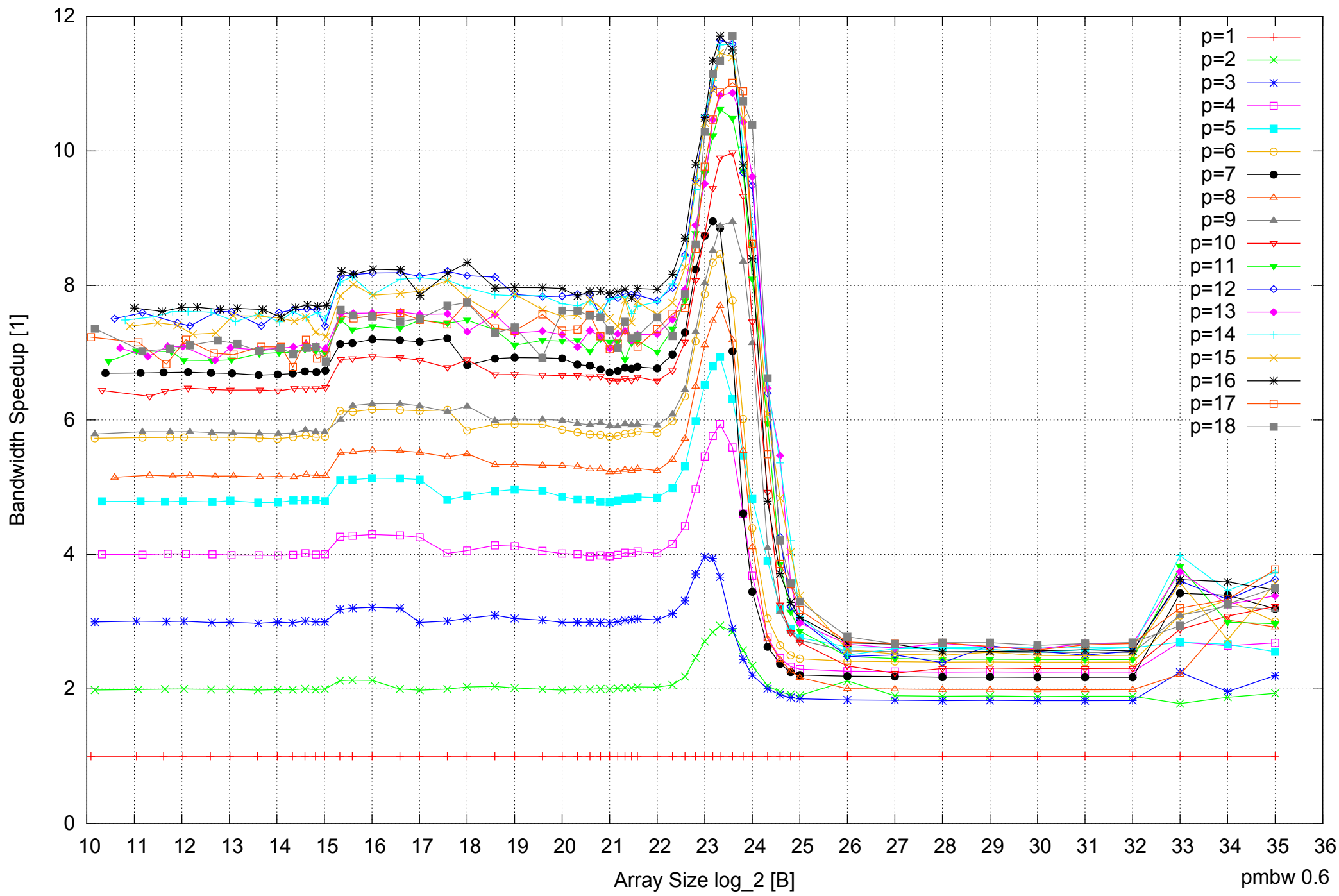


Intel Xeon X5550 48GB - Memory Latency - ScanRead32PtrUnrollLoop

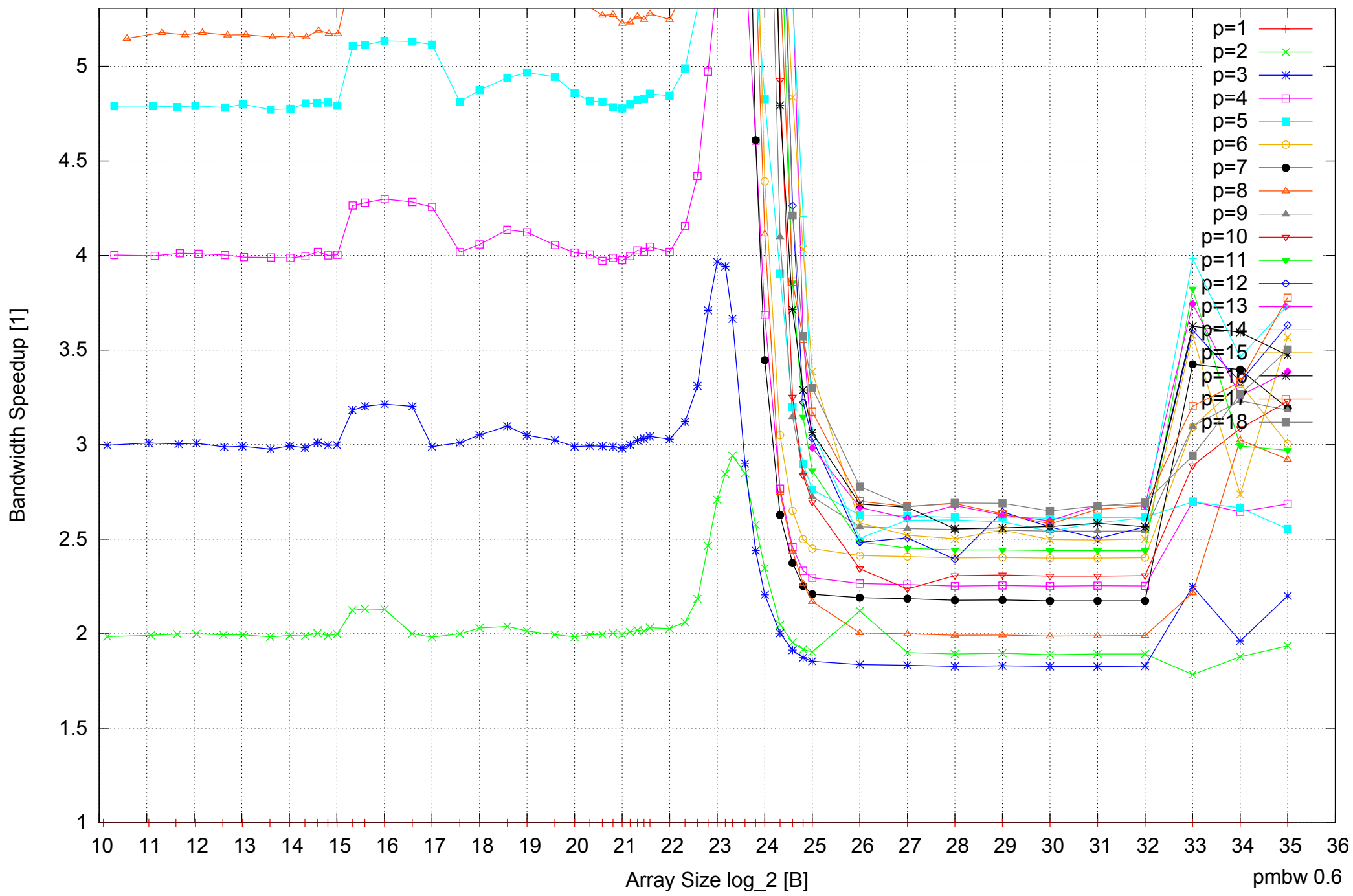




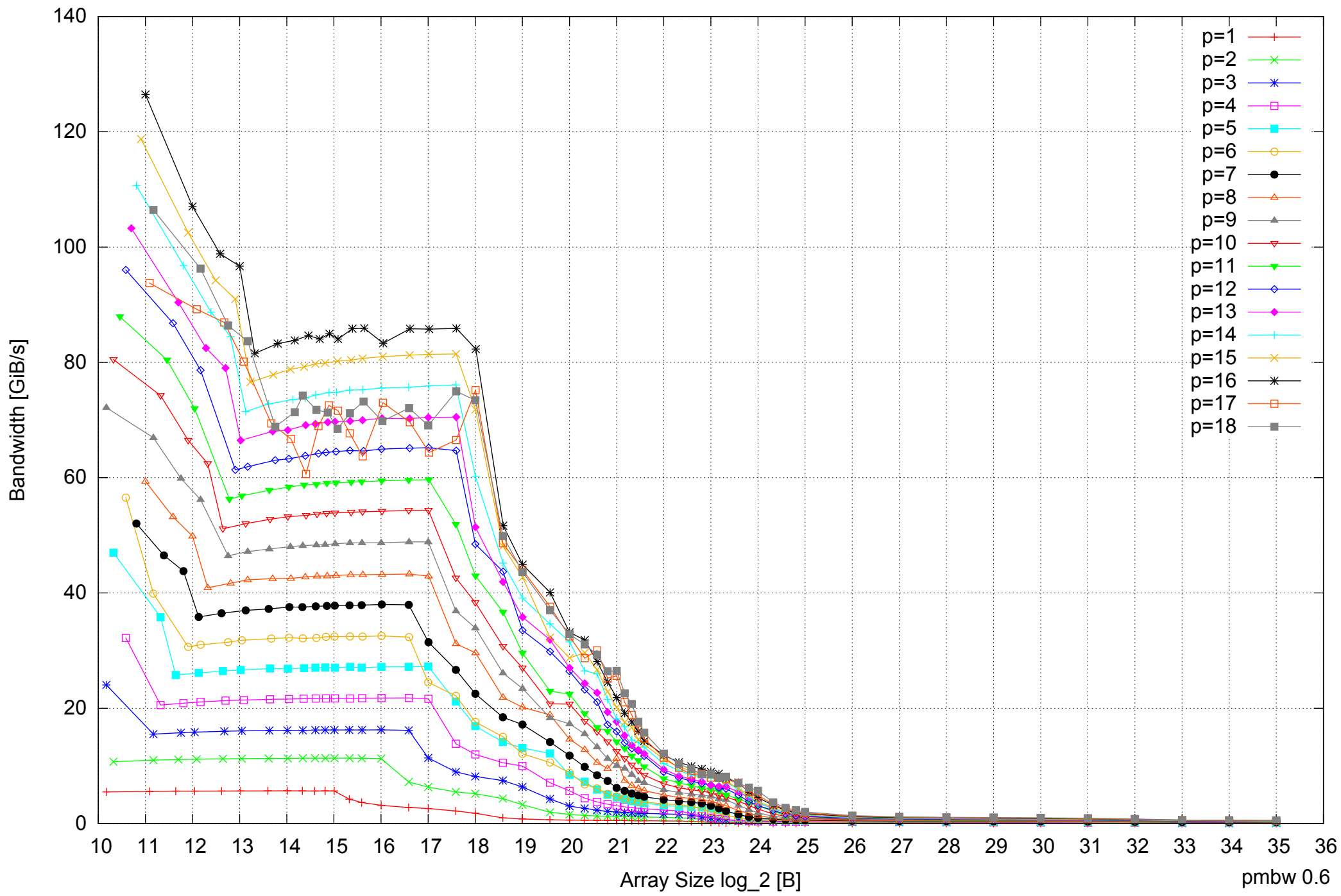
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - ScanRead32PtrUnrollLoop



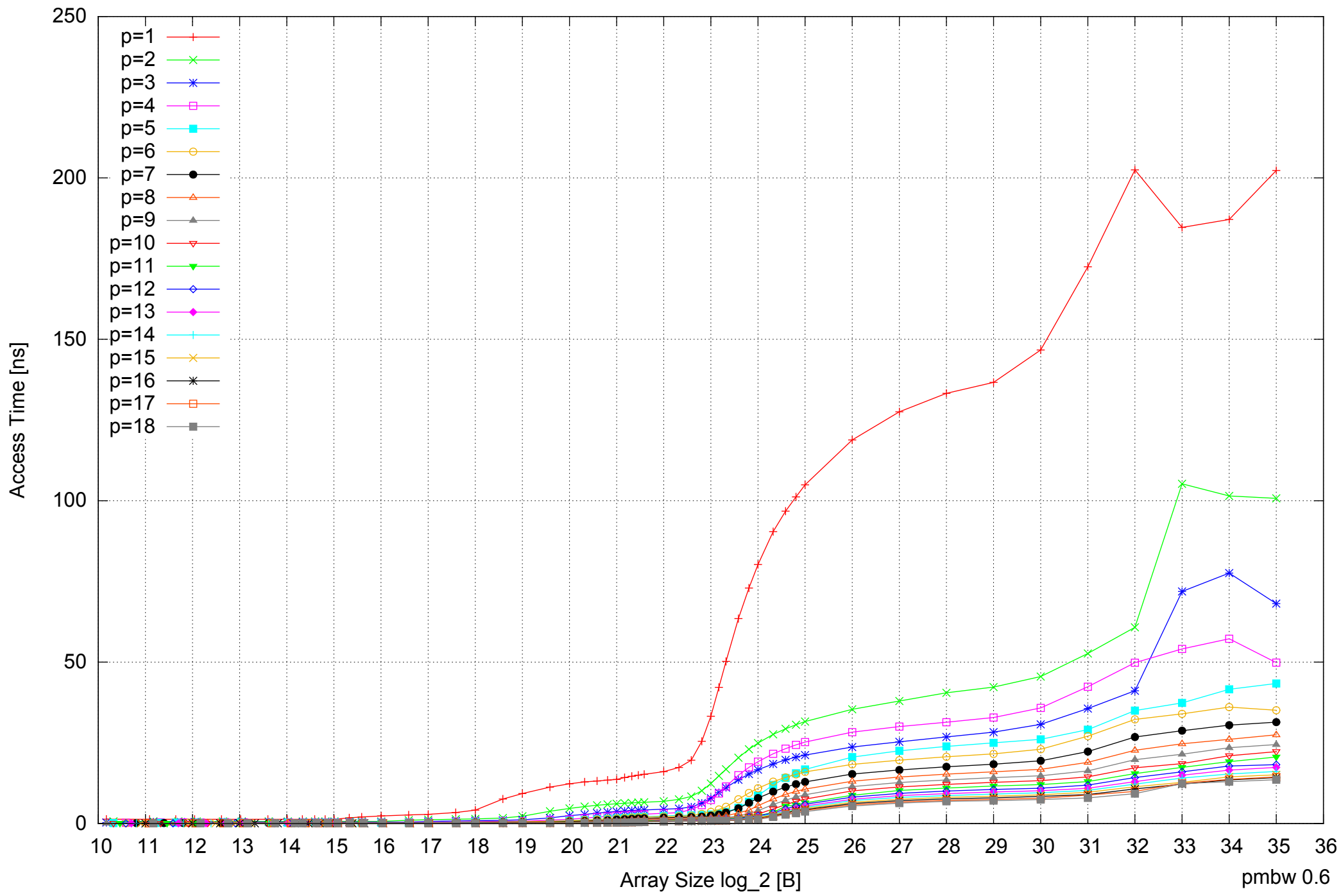
Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



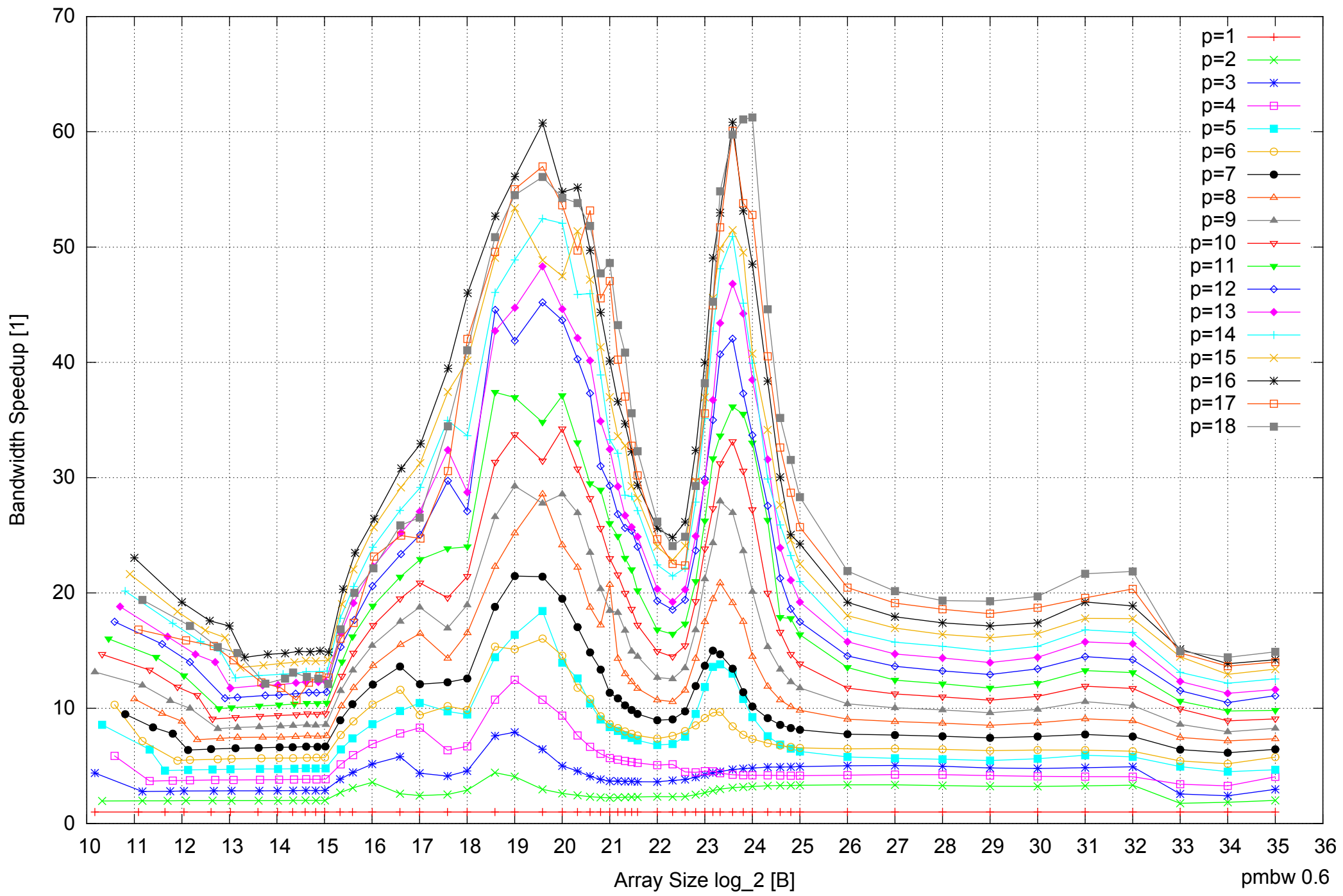
Intel Xeon X5550 48GB - Memory Bandwidth - PermRead64SimpleLoop



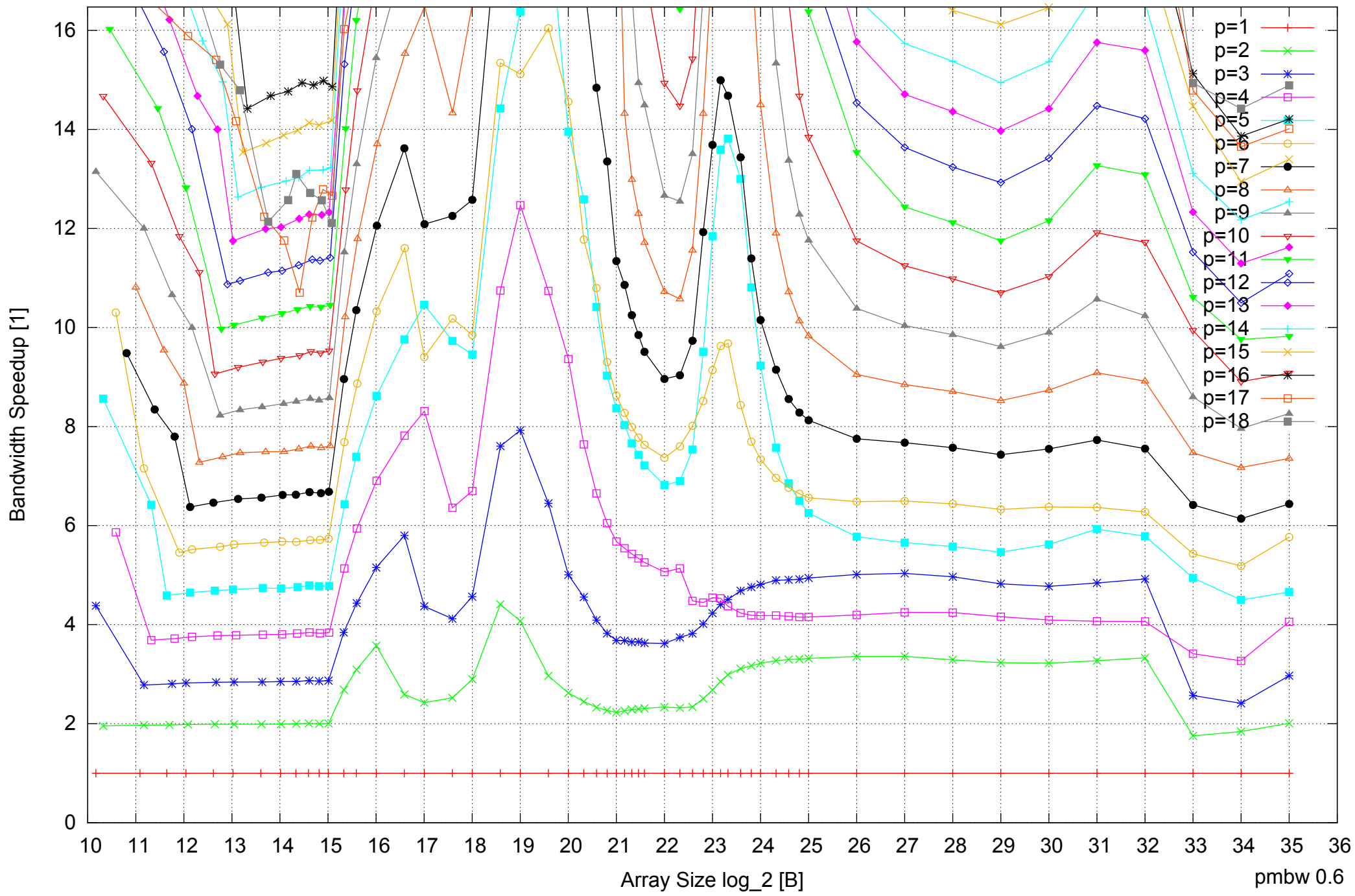
# Intel Xeon X5550 48GB - Memory Latency - PermRead64SimpleLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - PermRead64SimpleLoop

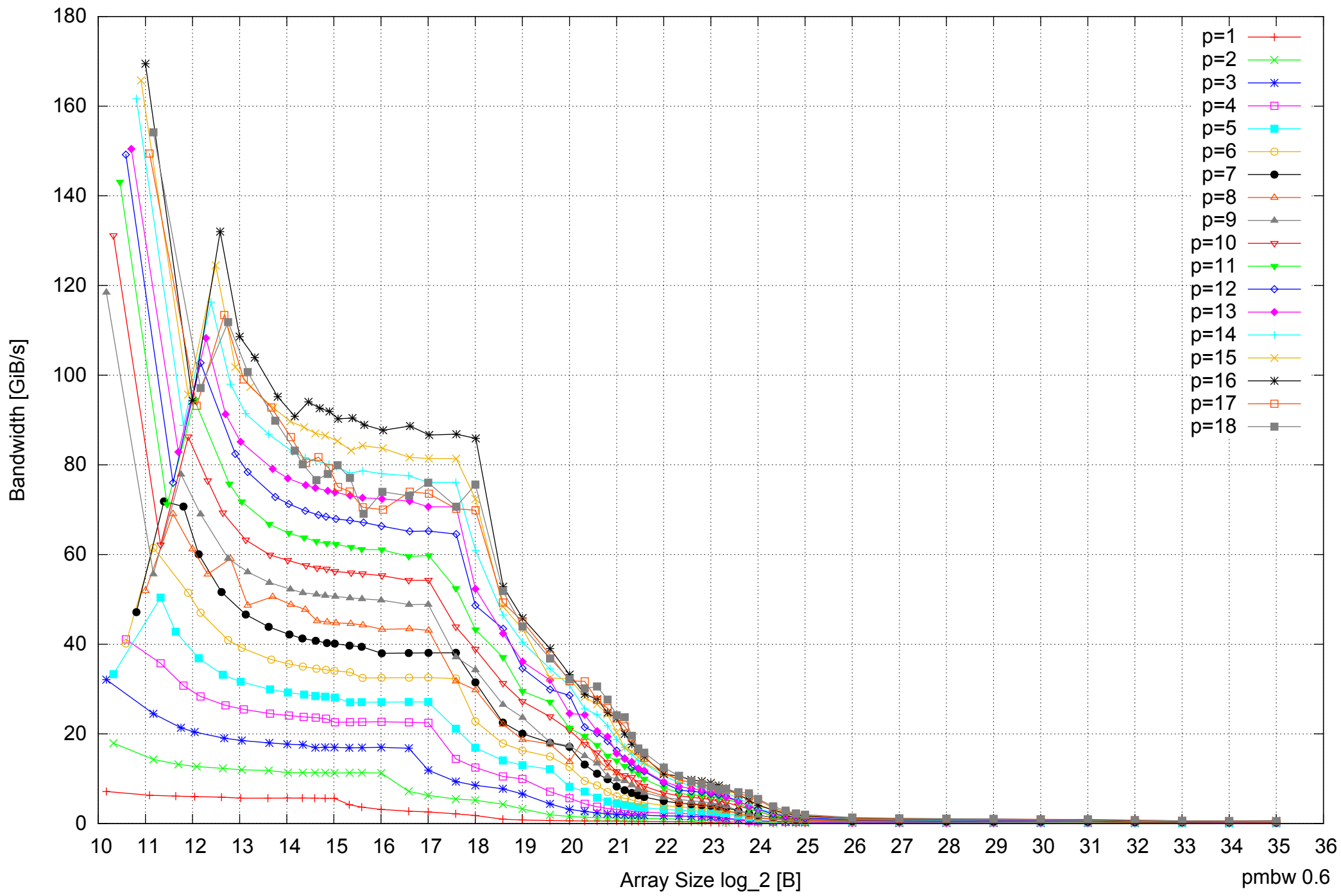


Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - PermRead64SimpleLoop

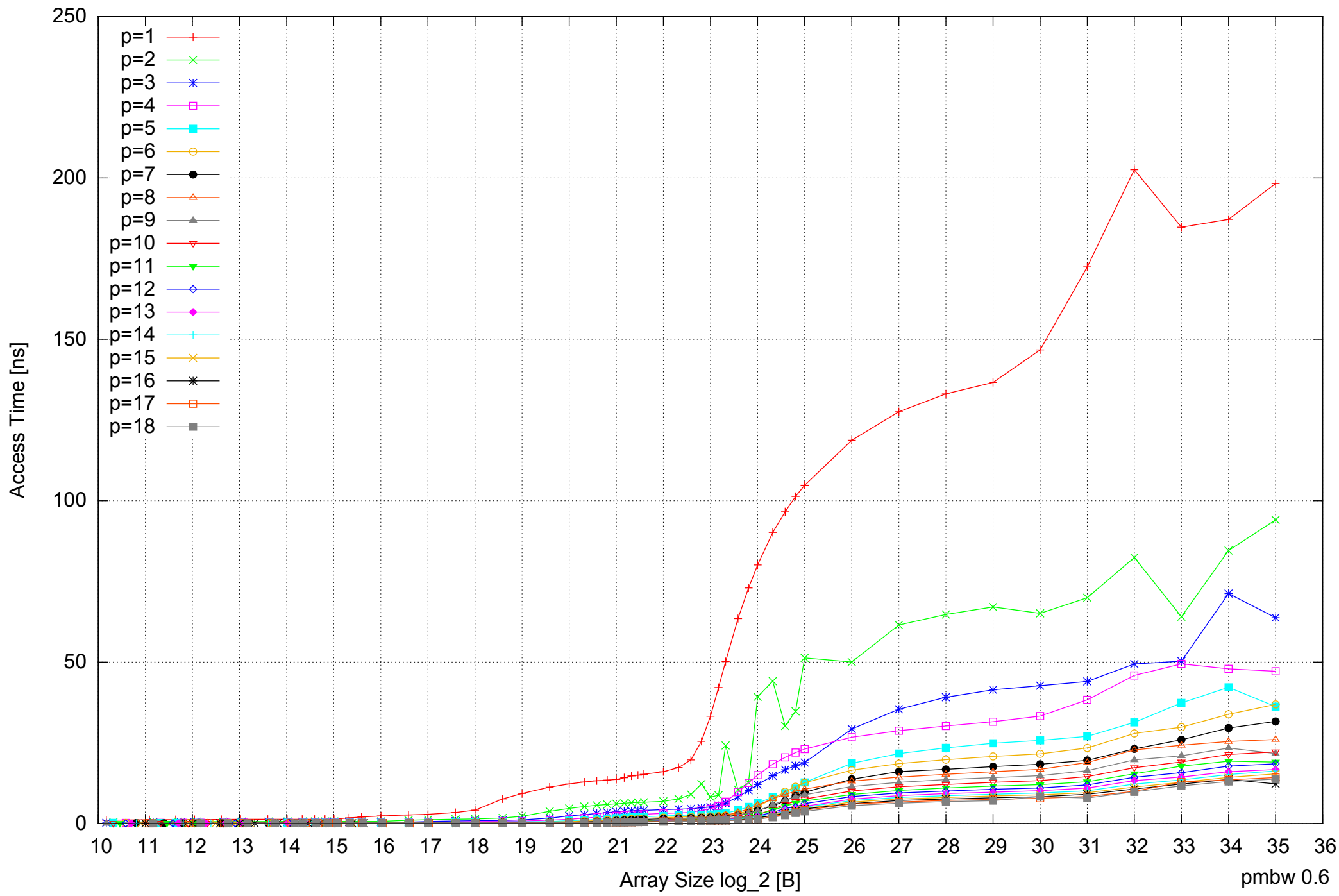




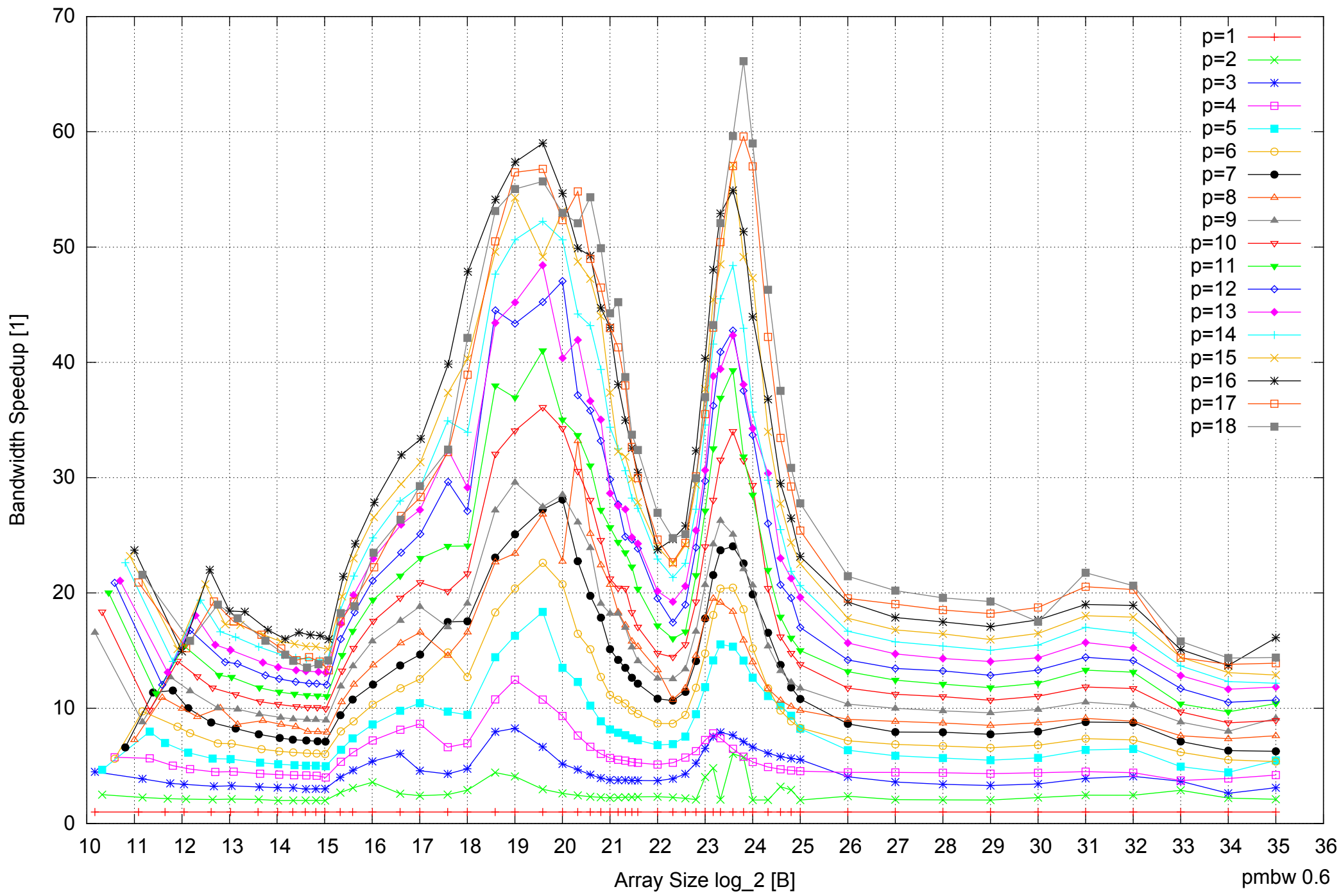
Intel Xeon X5550 48GB - Memory Bandwidth - PermRead64UnrollLoop



Intel Xeon X5550 48GB - Memory Latency - PermRead64UnrollLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth - PermRead64UnrollLoop



Intel Xeon X5550 48GB - Speedup of Memory Bandwidth (enlarged) - PermRead64UnrollLoop

