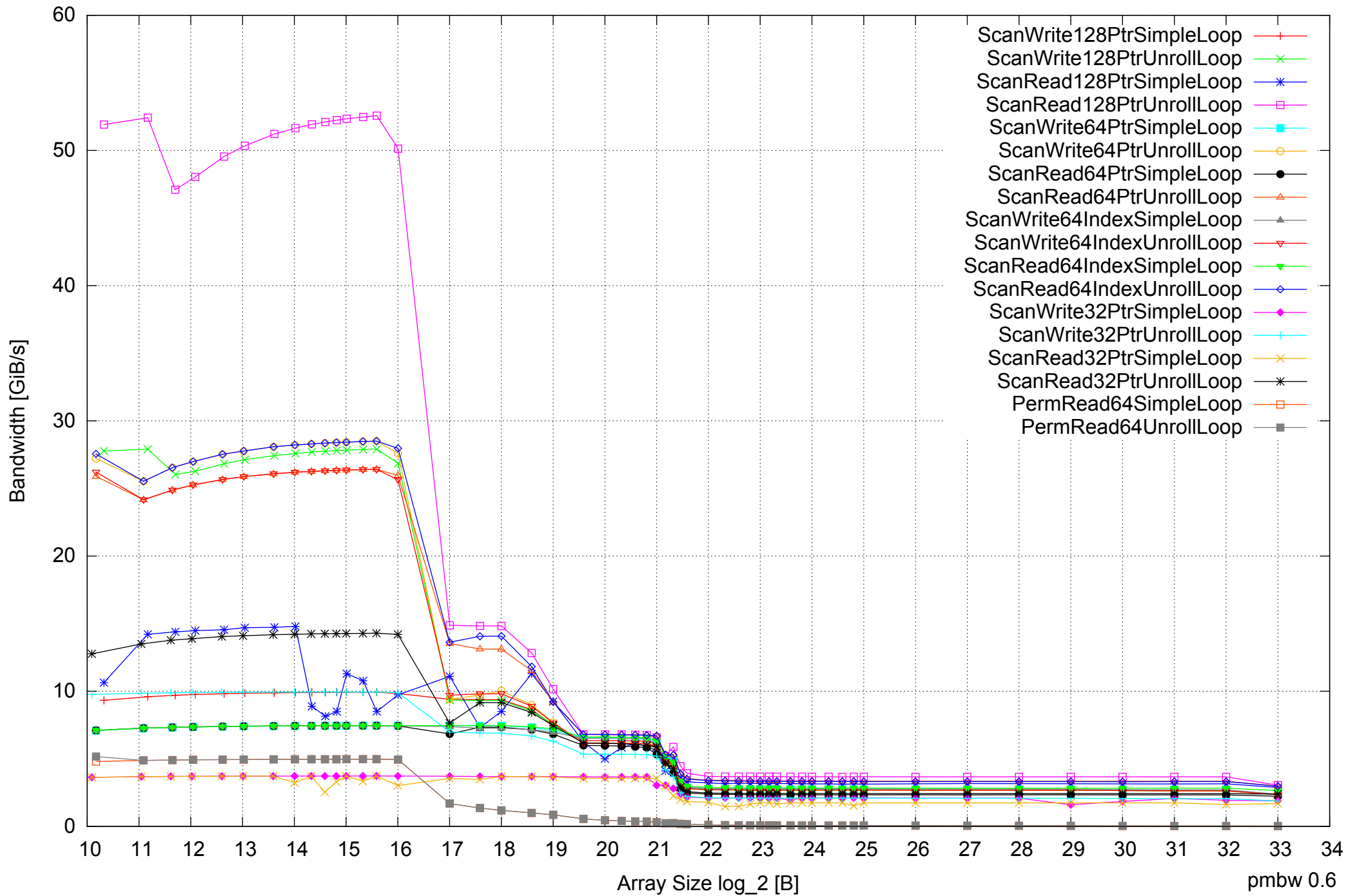
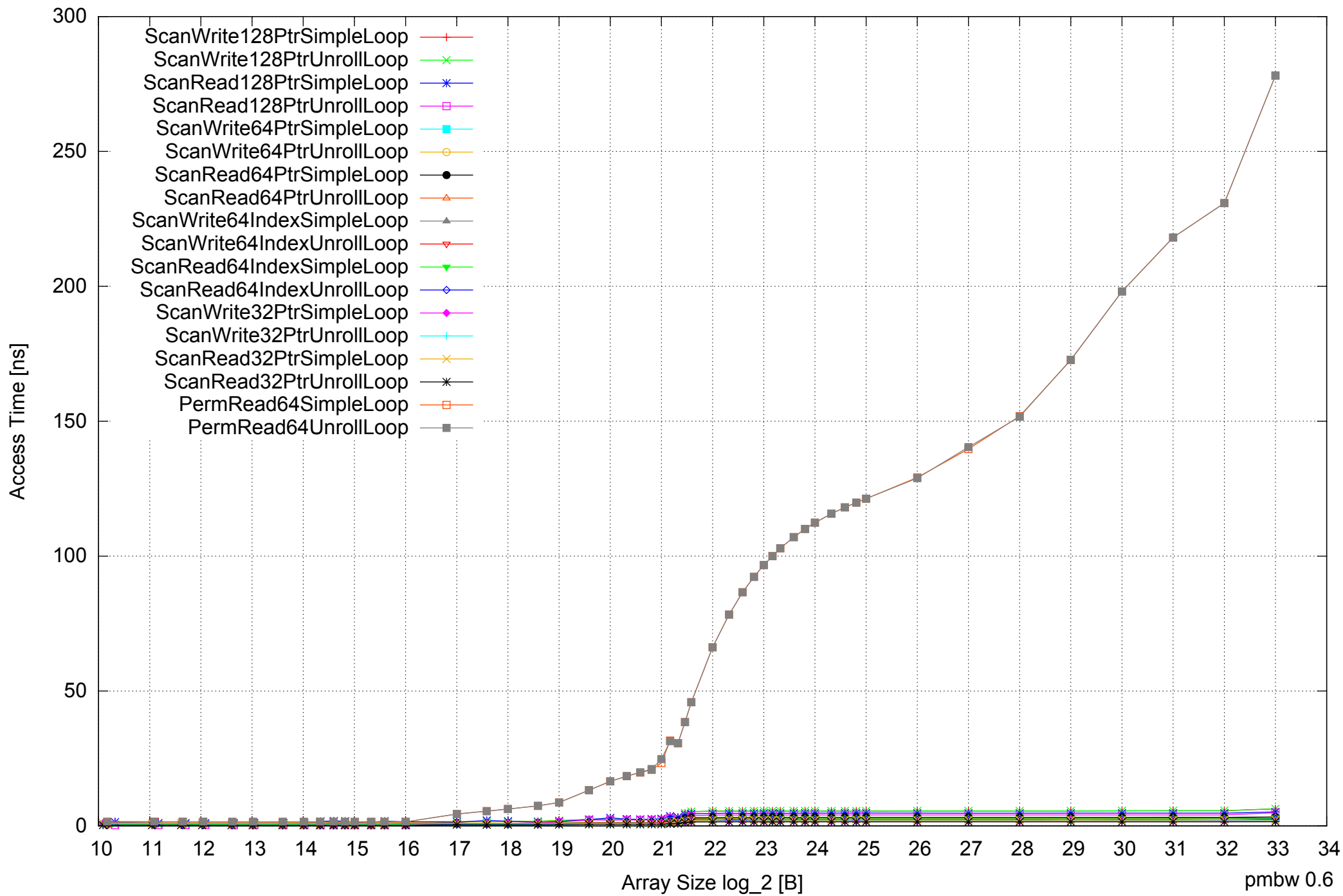


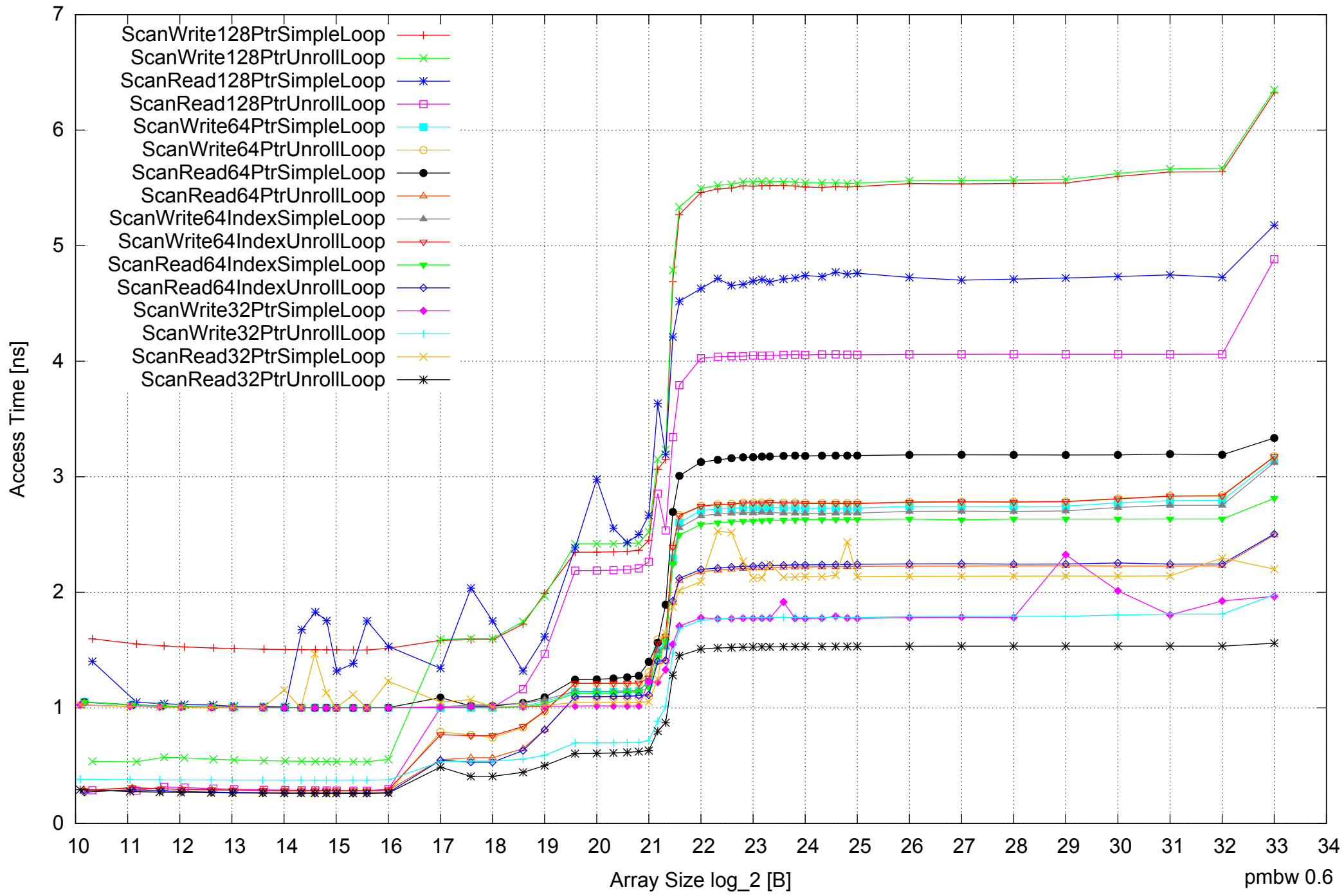
AMD Opteron 2350 16GB - One Thread Memory Bandwidth



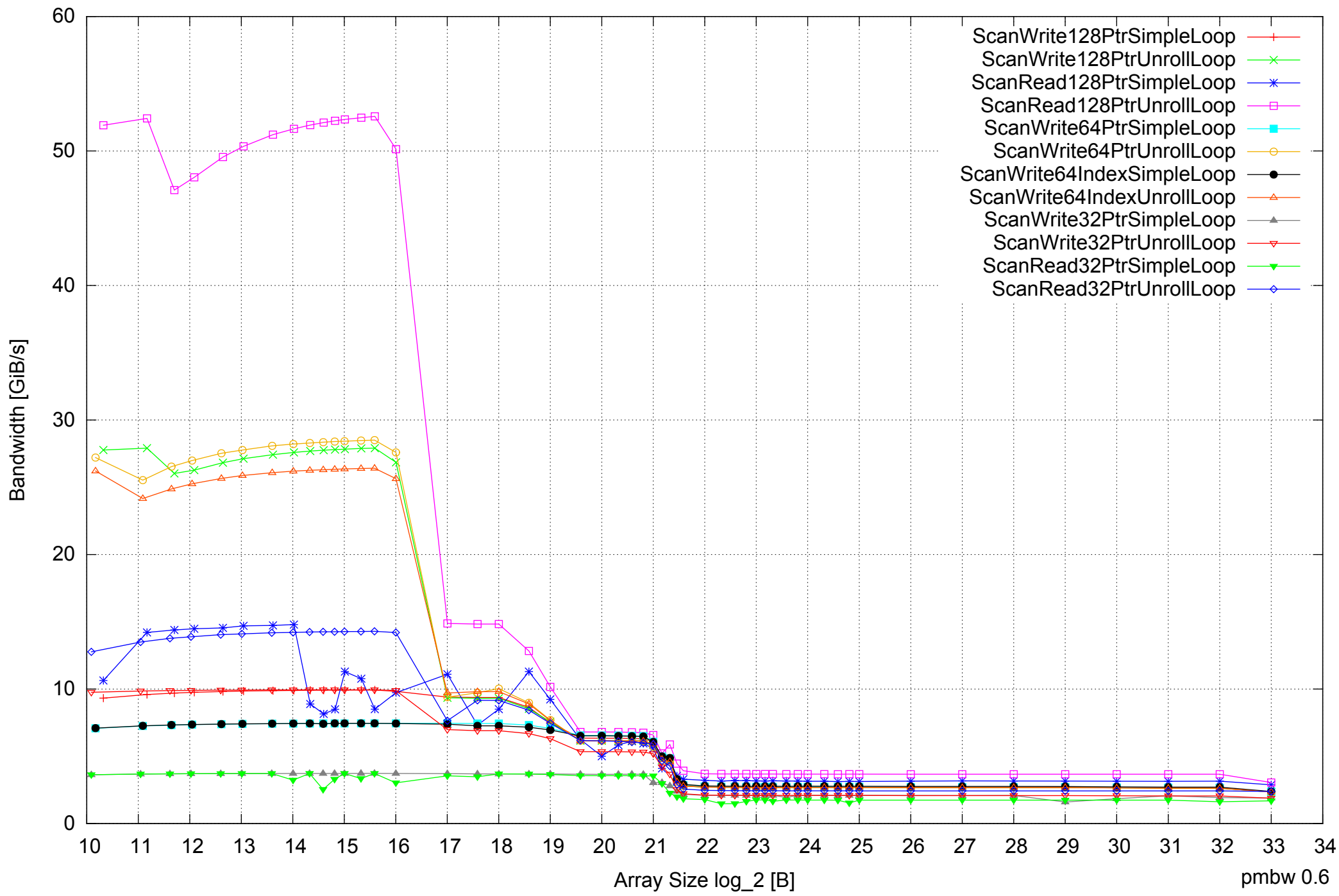
AMD Opteron 2350 16GB - One Thread Memory Latency



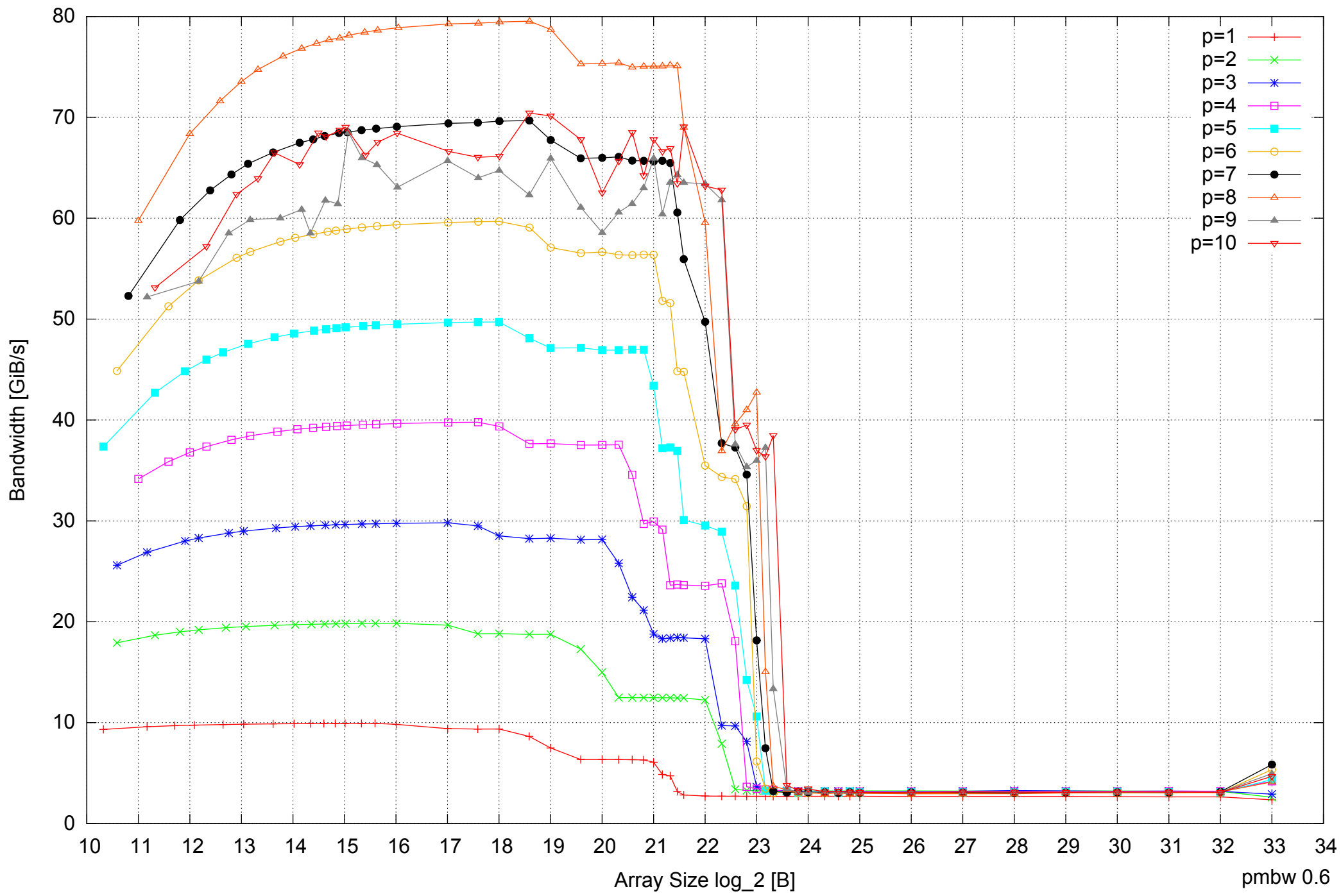
AMD Opteron 2350 16GB - One Thread Memory Latency (excluding Permutation)



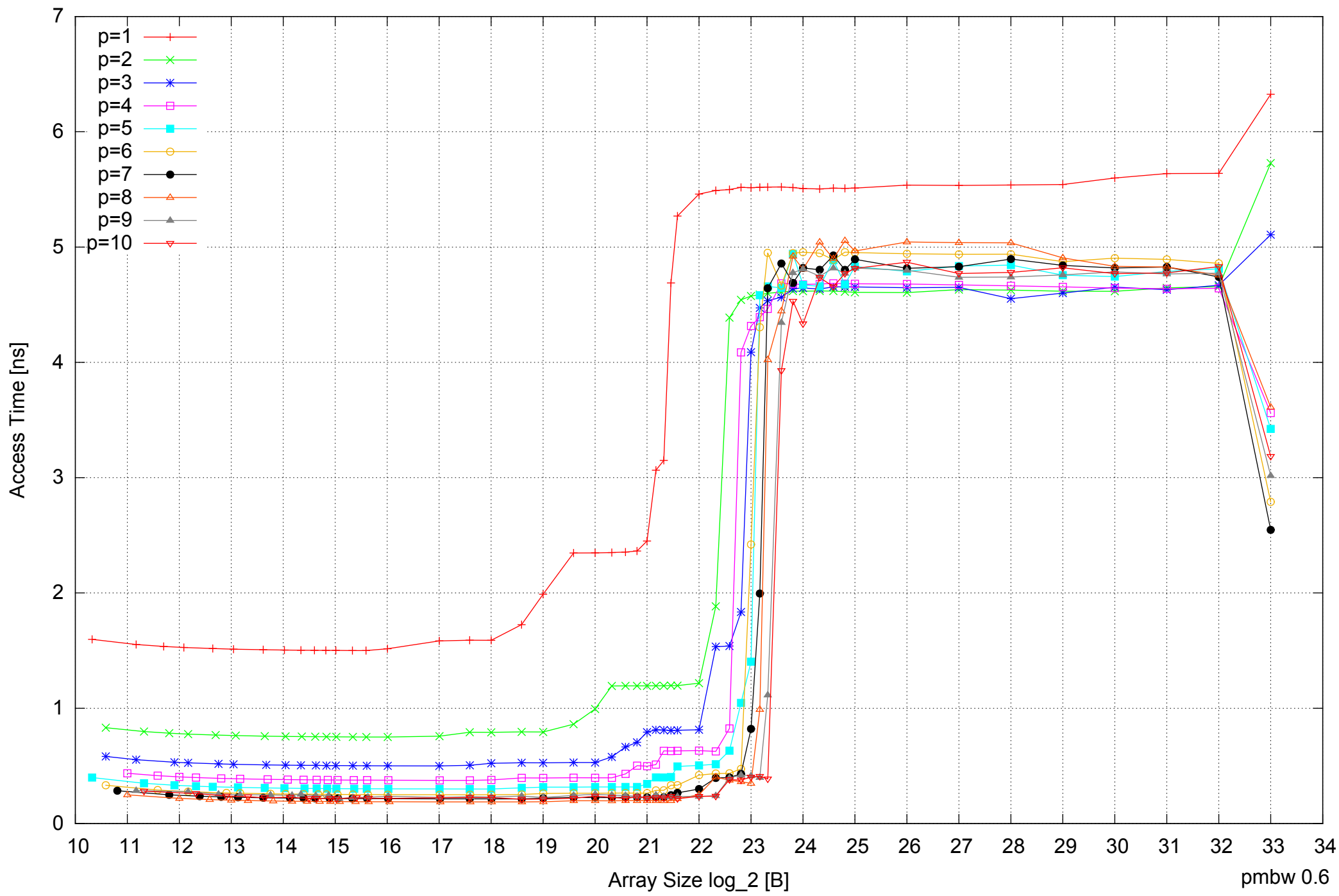
AMD Opteron 2350 16GB - One Thread Memory Bandwidth (only 64-bit Reads)



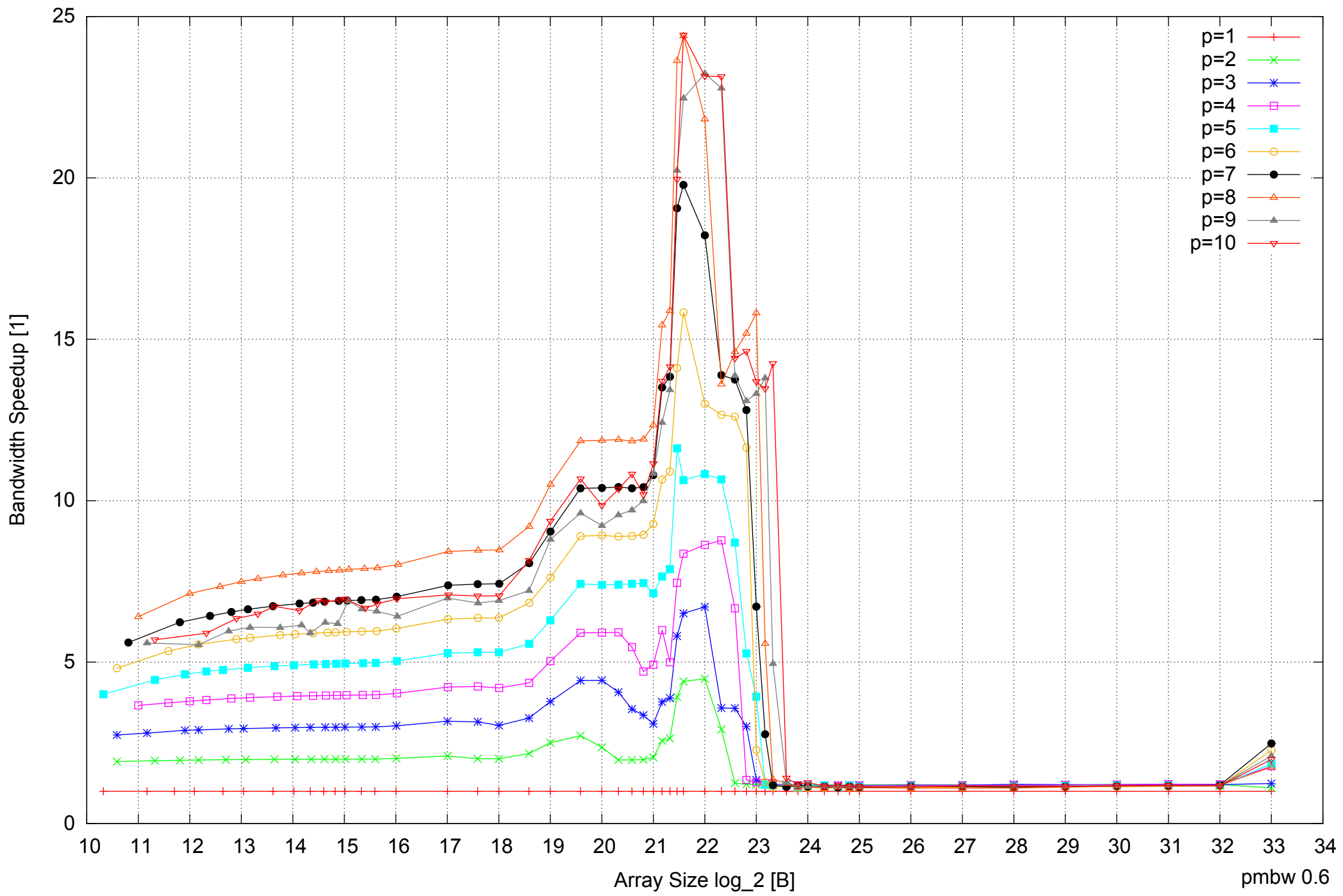
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite128PtrSimpleLoop



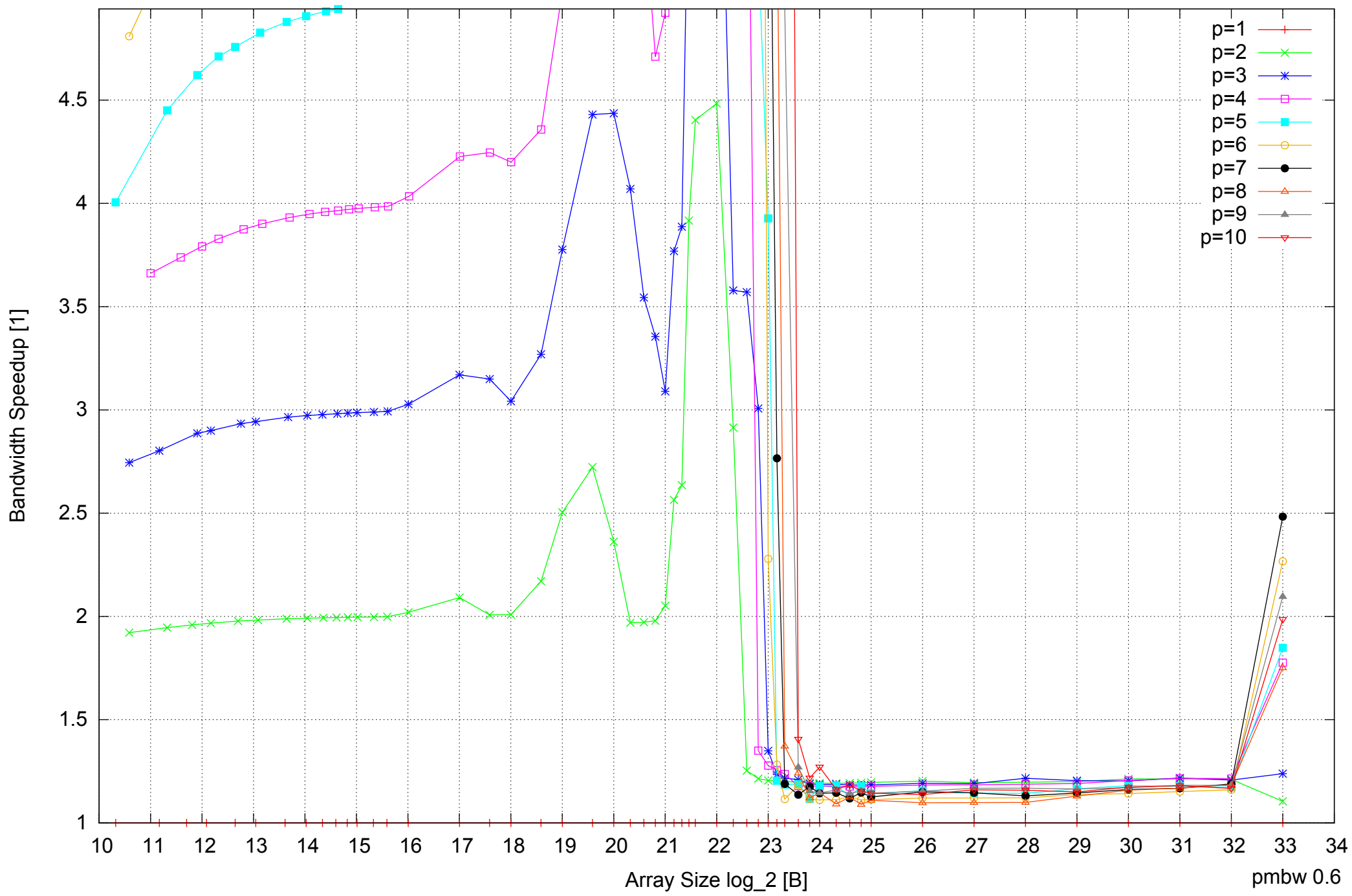
AMD Opteron 2350 16GB - Memory Latency - ScanWrite128PtrSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite128PtrSimpleLoop

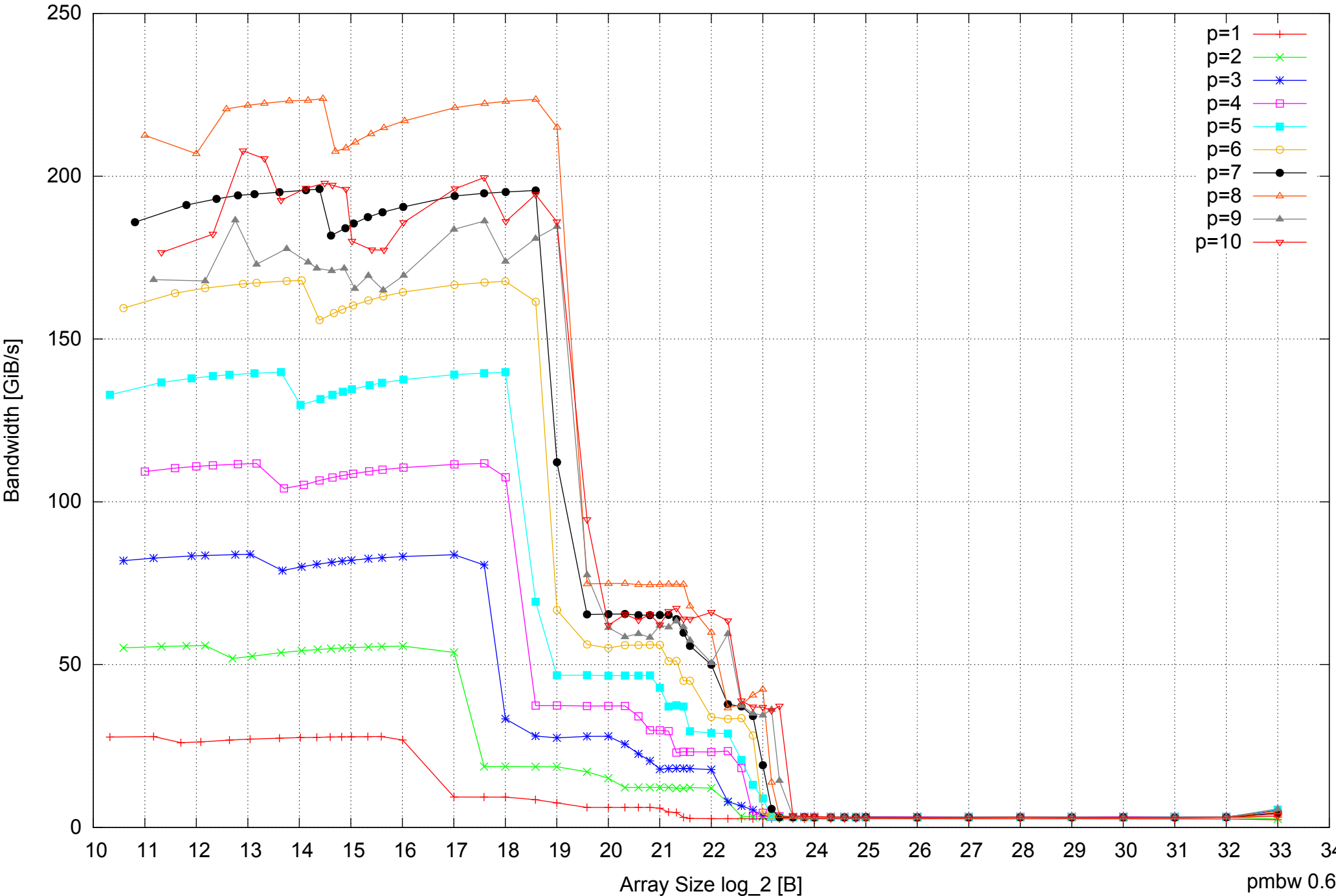


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrSimpleLoop

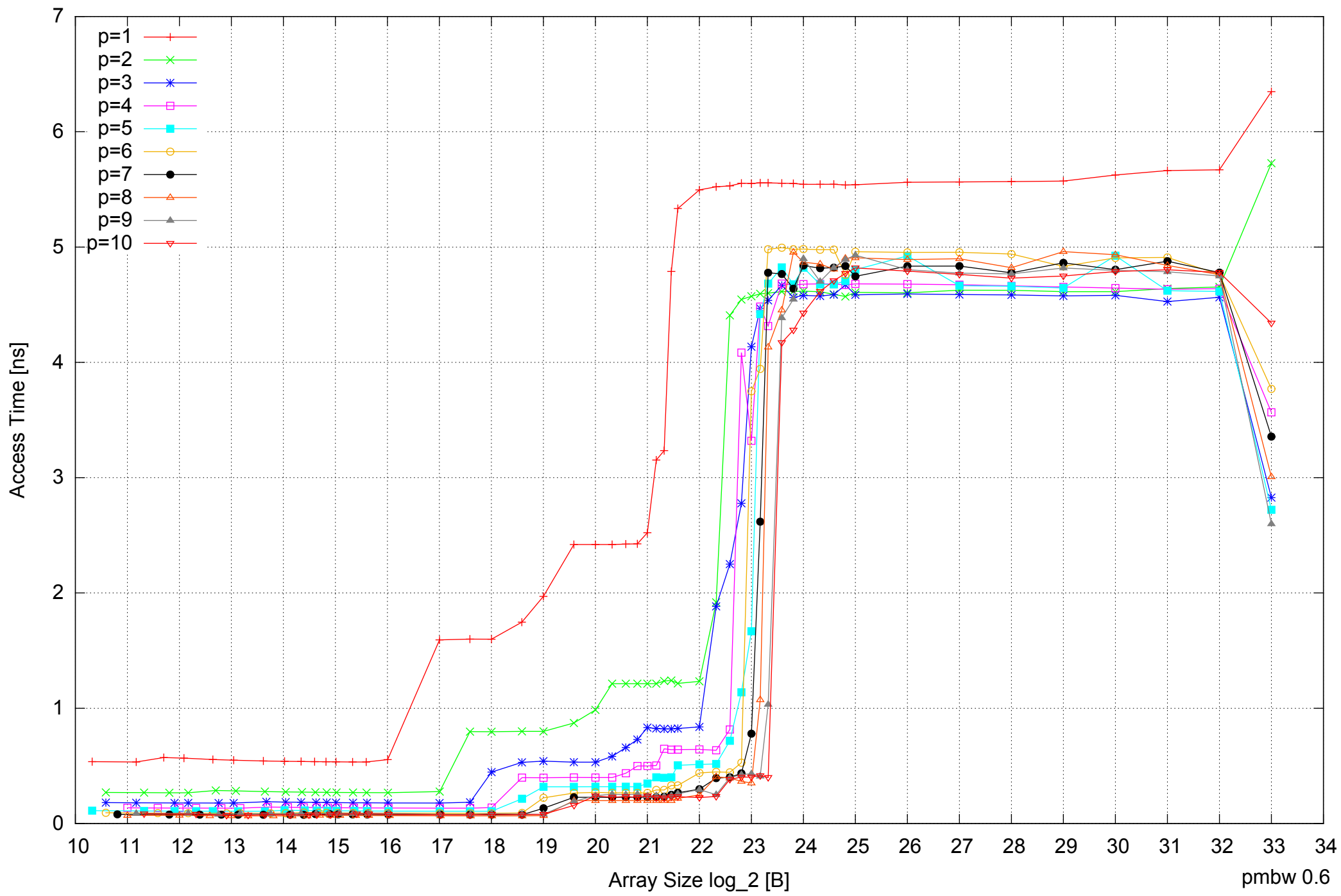




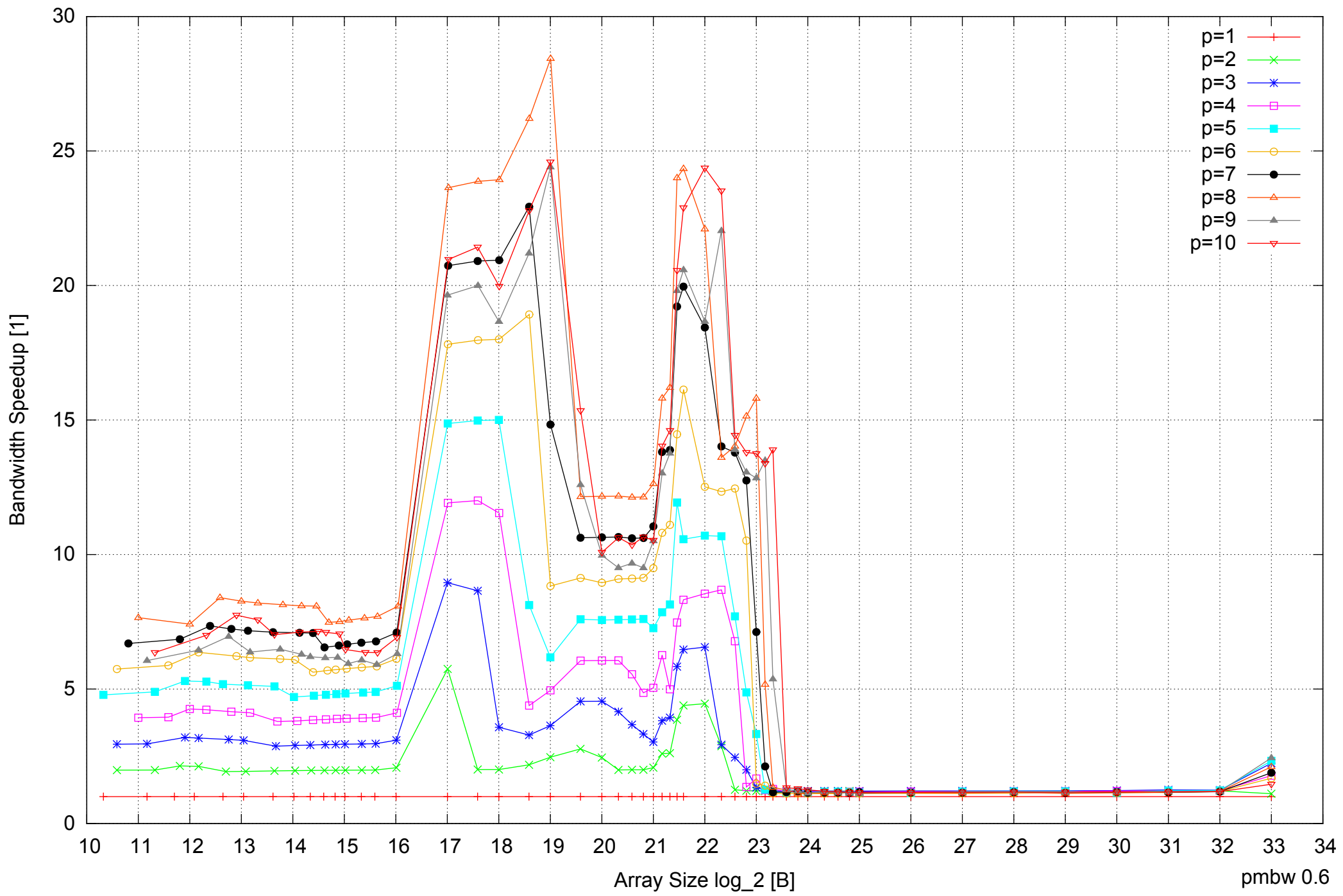
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite128PtrUnrollLoop



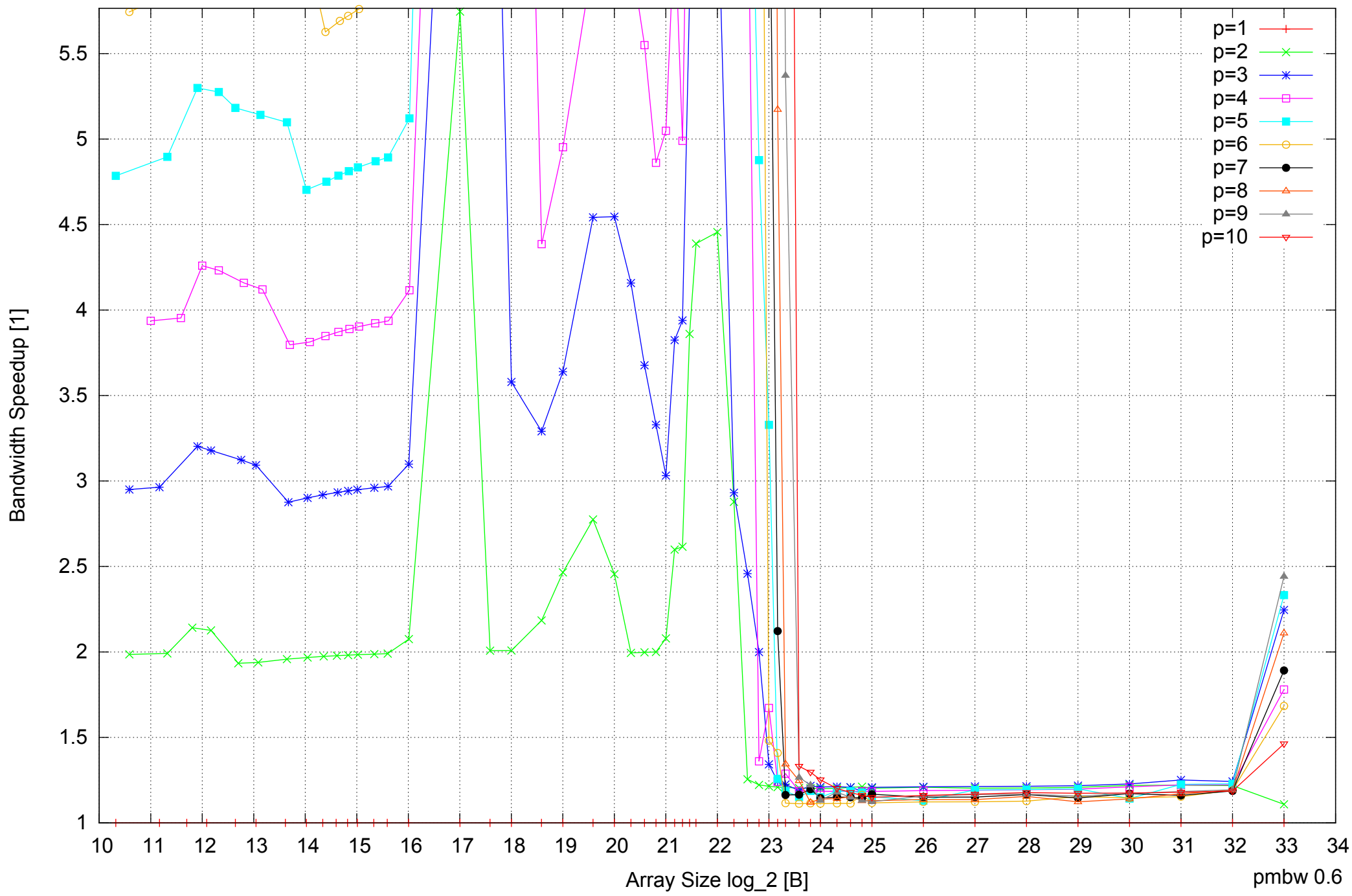
AMD Opteron 2350 16GB - Memory Latency - ScanWrite128PtrUnrollLoop



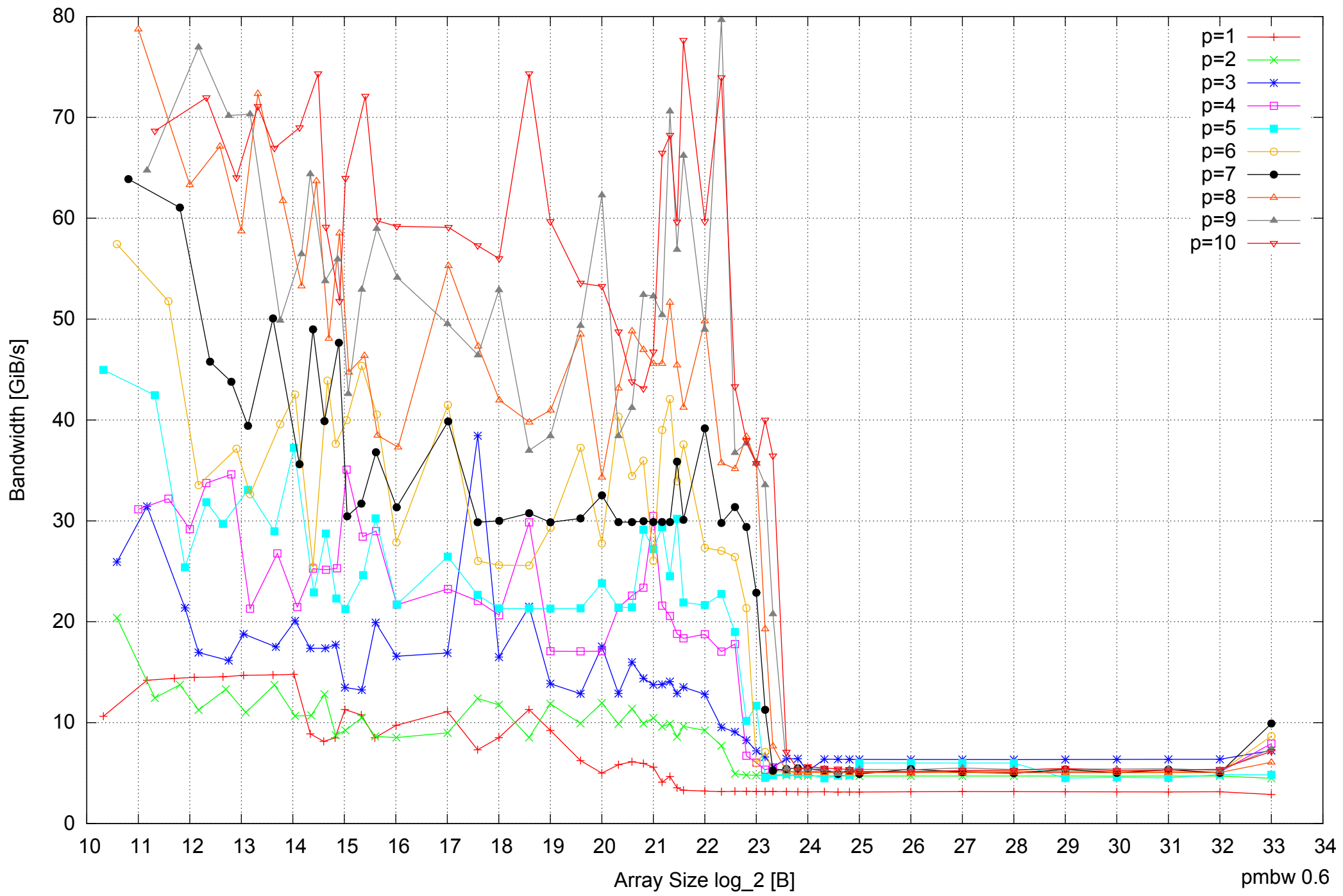
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite128PtrUnrollLoop



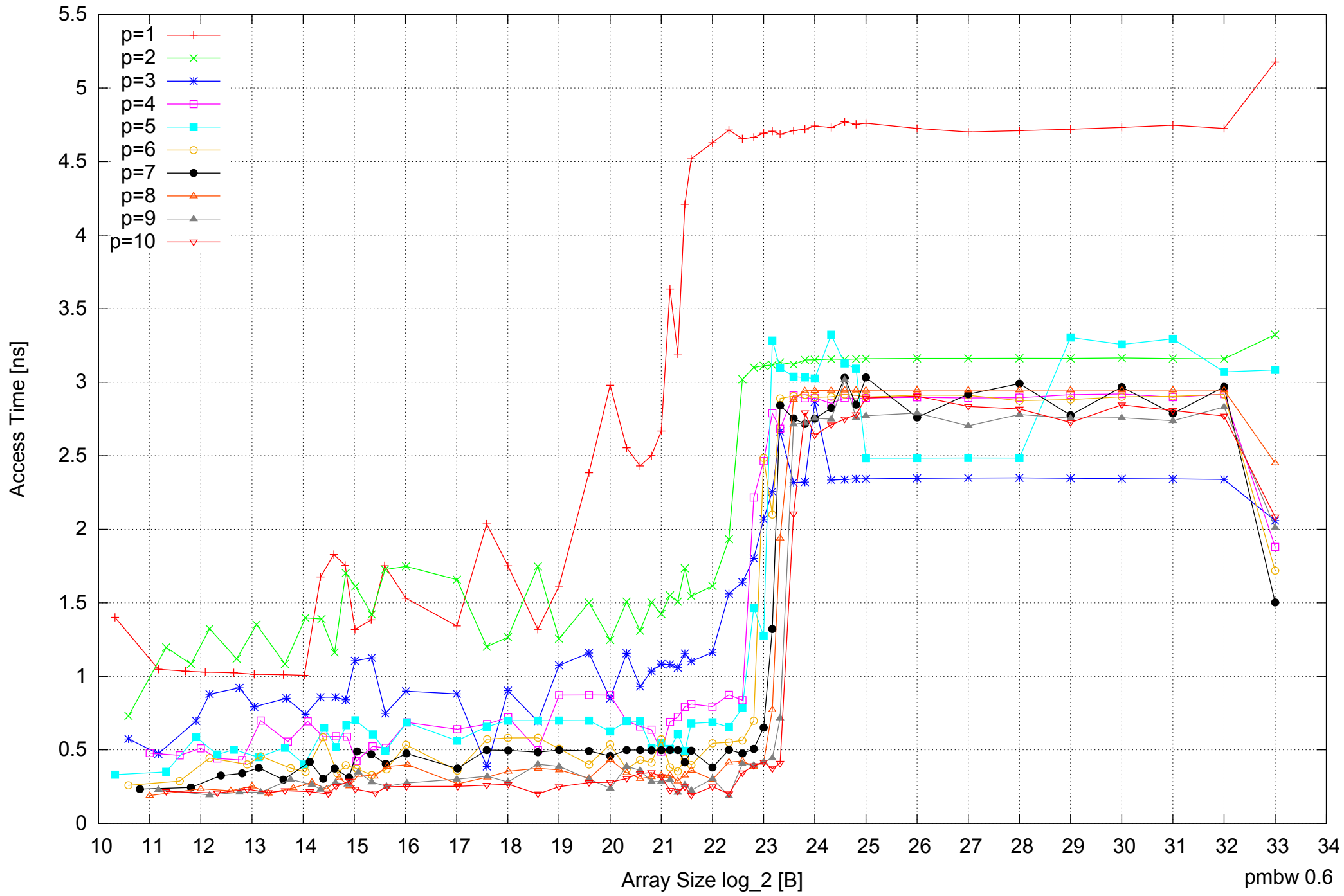
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop



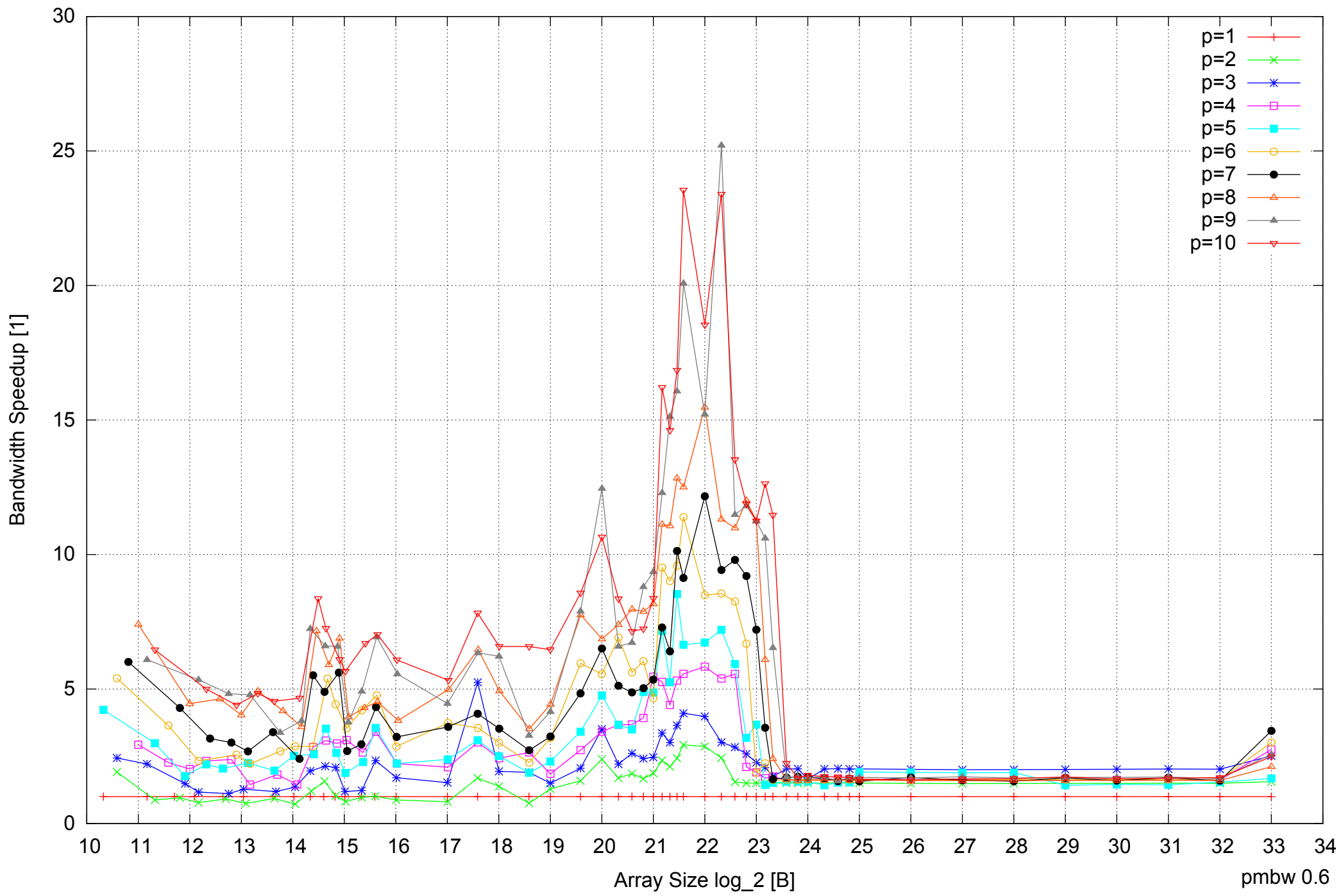
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead128PtrSimpleLoop



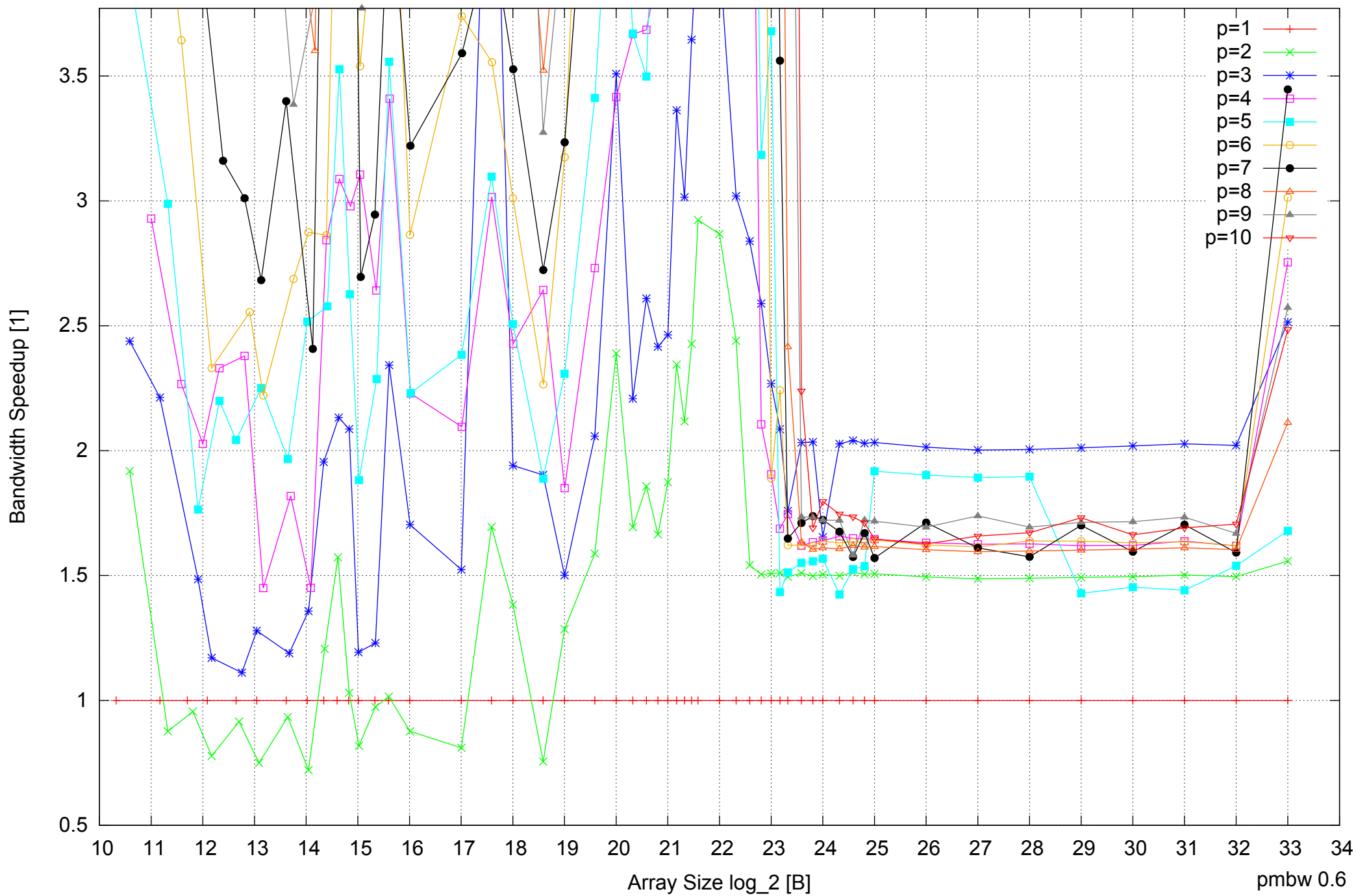
AMD Opteron 2350 16GB - Memory Latency - ScanRead128PtrSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead128PtrSimpleLoop

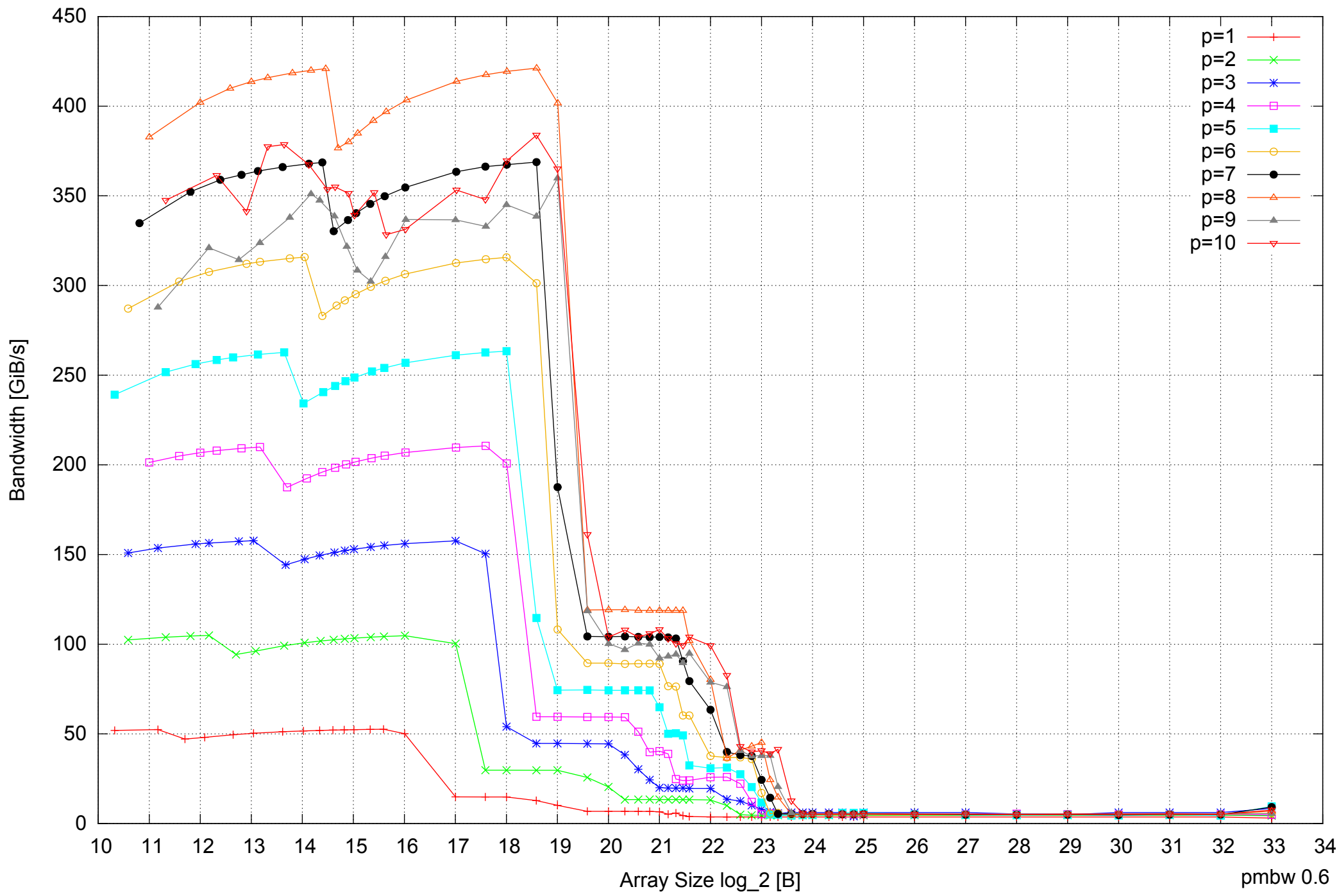


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrSimpleLoop

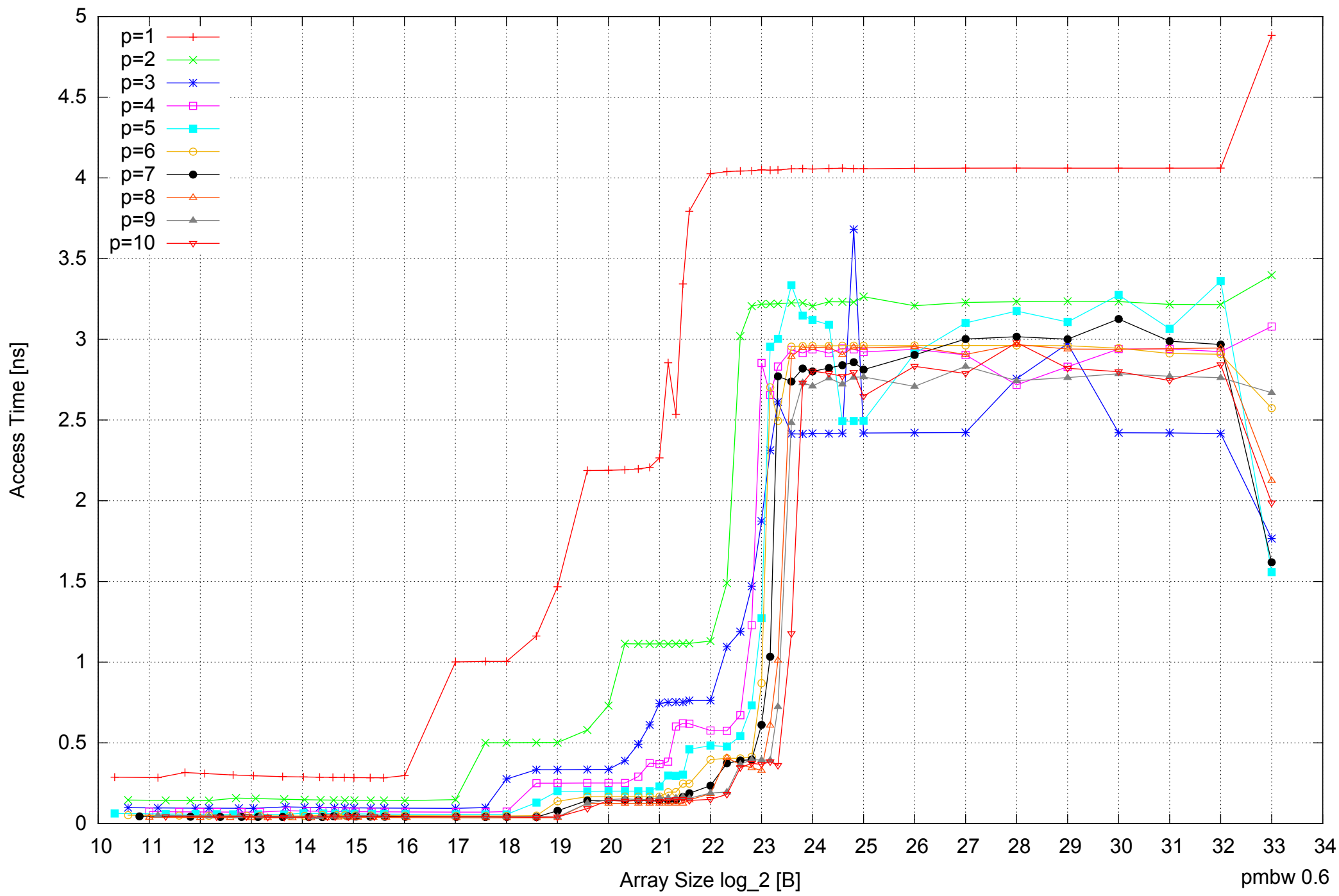




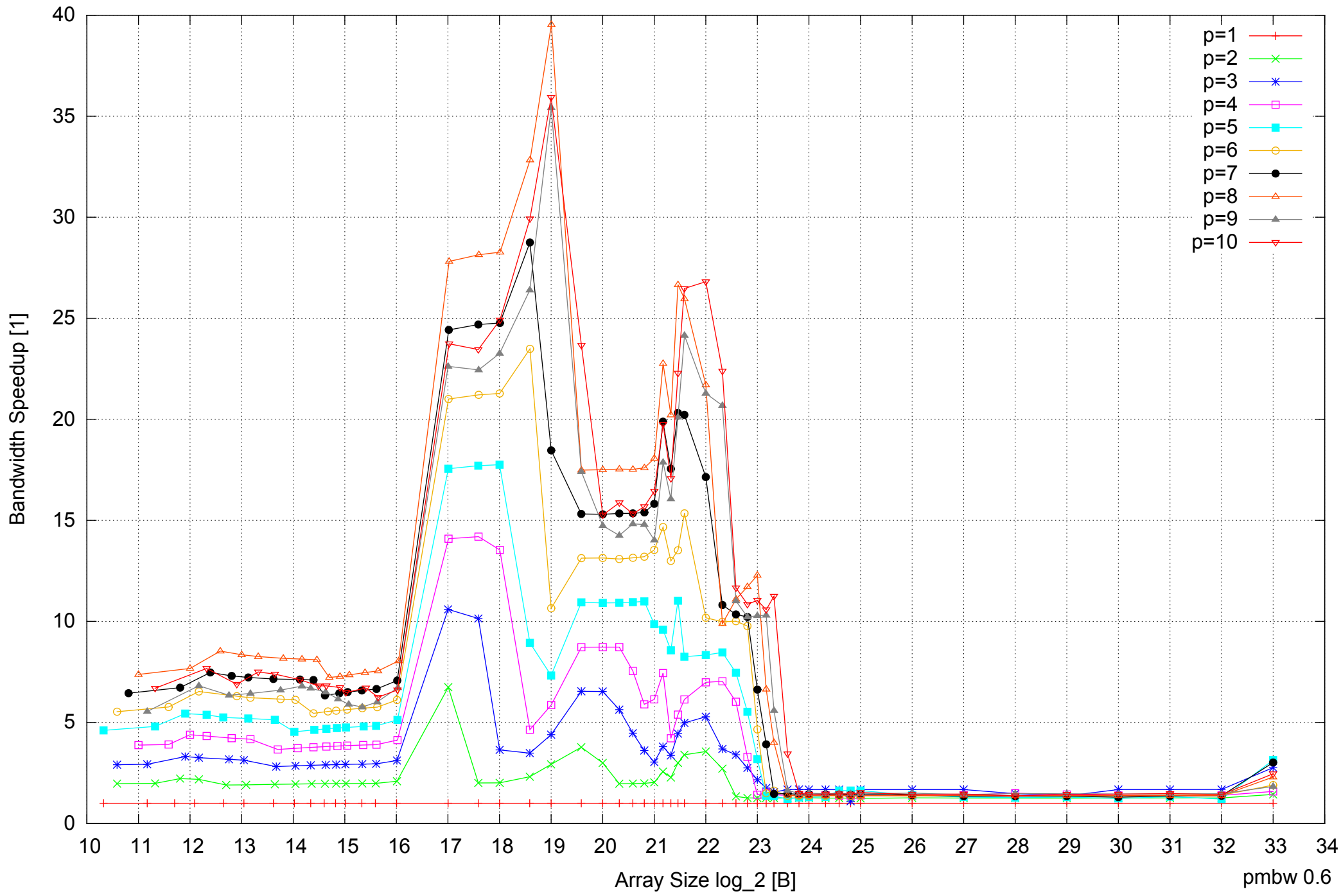
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead128PtrUnrollLoop



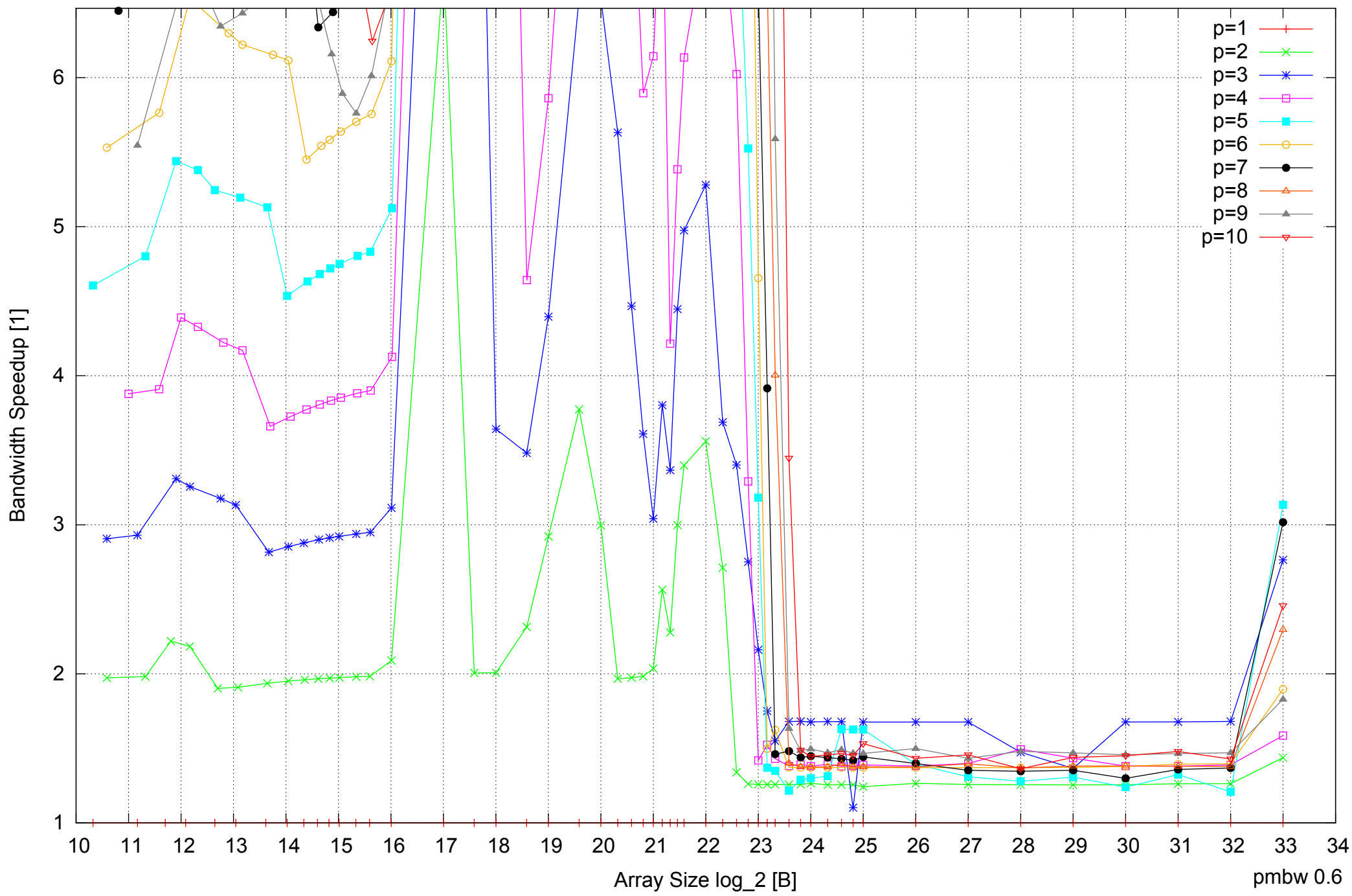
AMD Opteron 2350 16GB - Memory Latency - ScanRead128PtrUnrollLoop



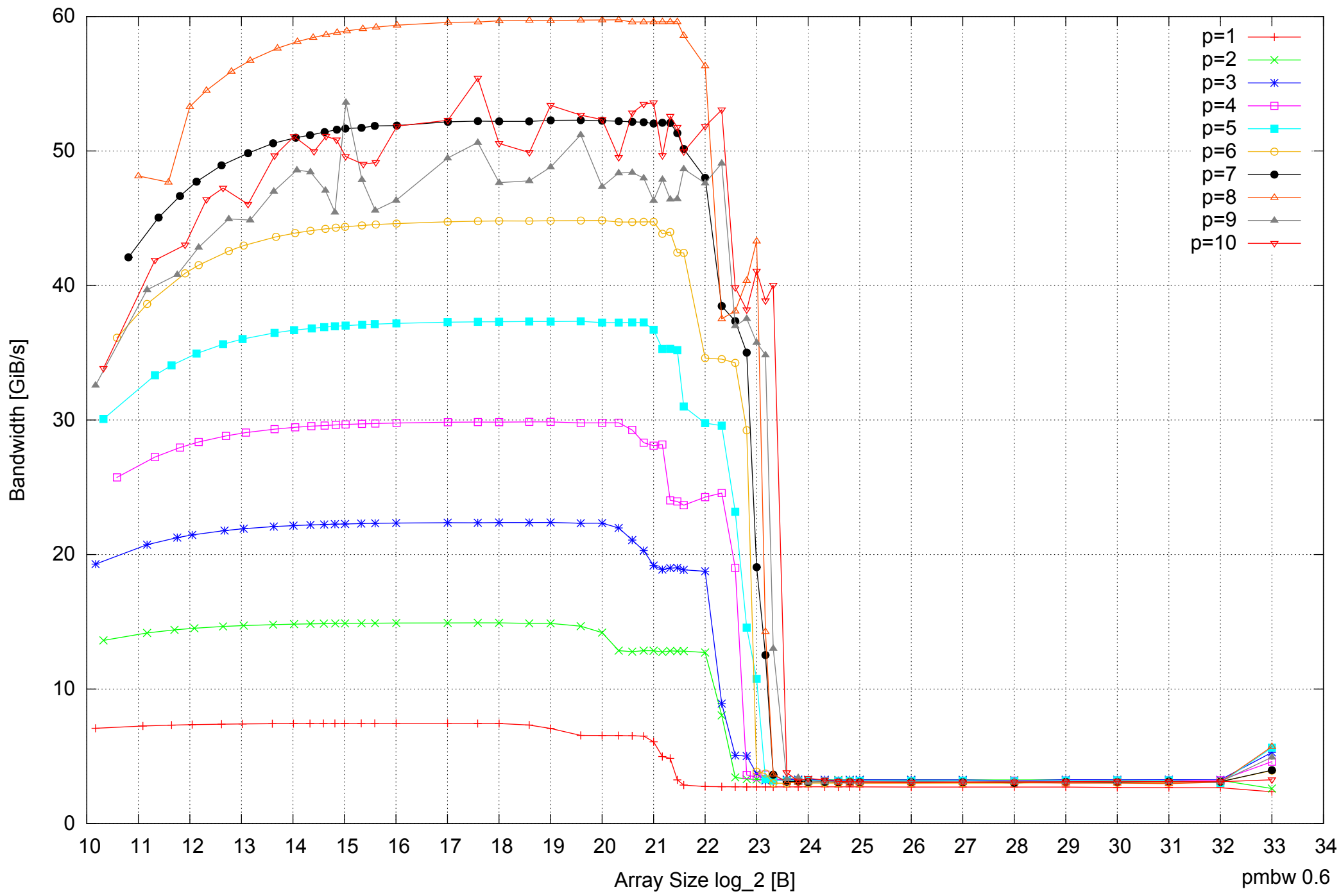
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead128PtrUnrollLoop



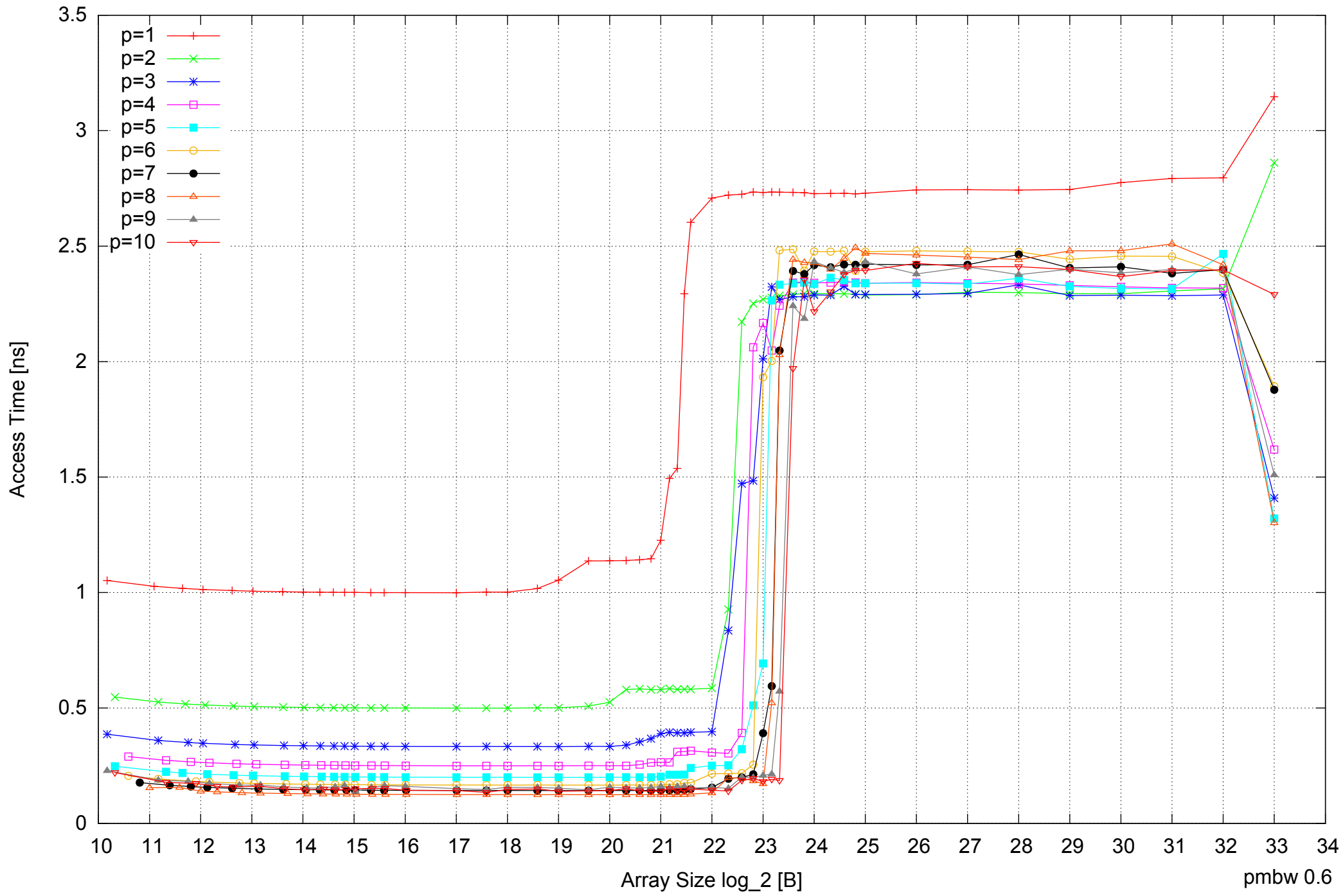
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop



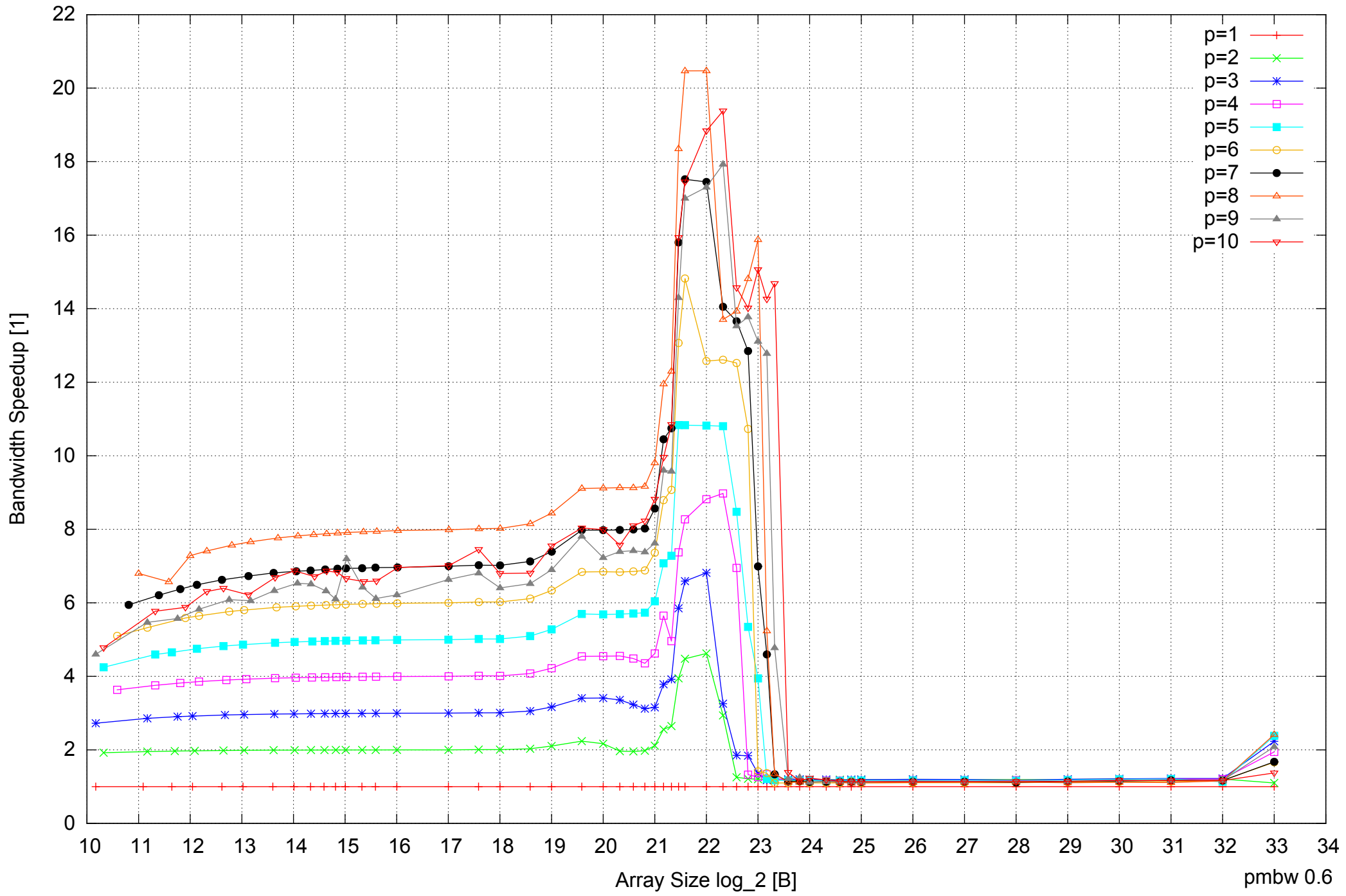
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite64PtrSimpleLoop



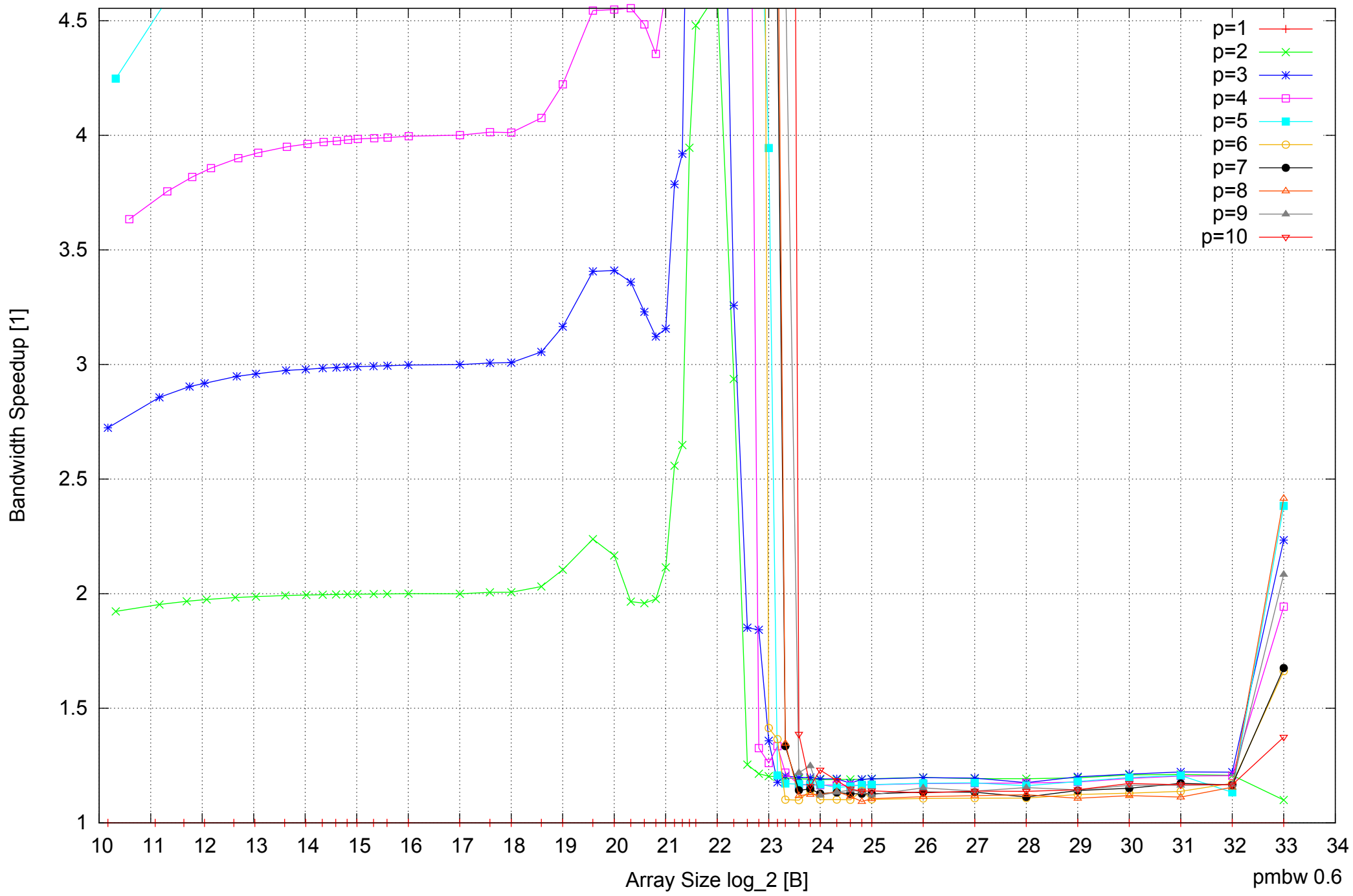
AMD Opteron 2350 16GB - Memory Latency - ScanWrite64PtrSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite64PtrSimpleLoop

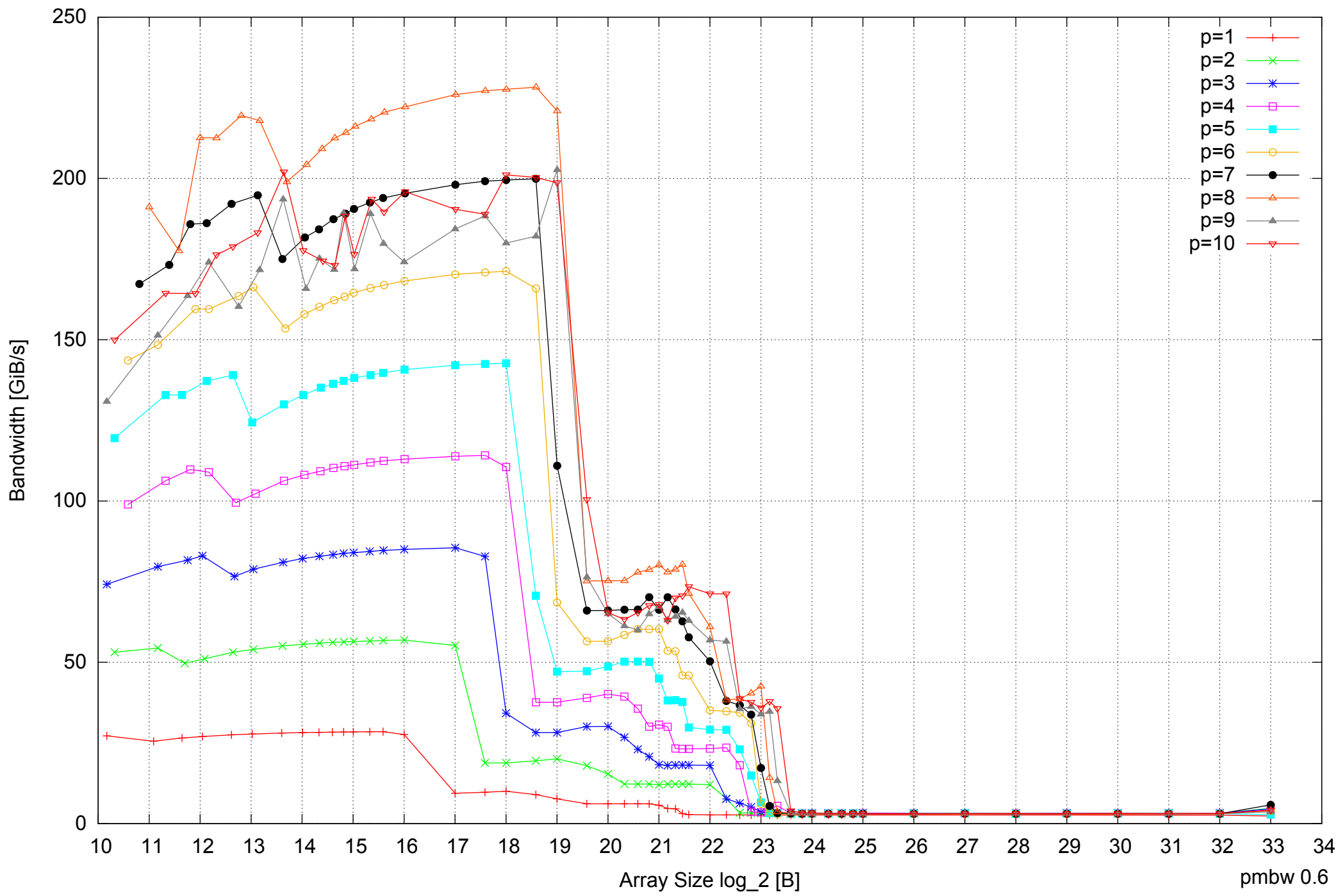


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop

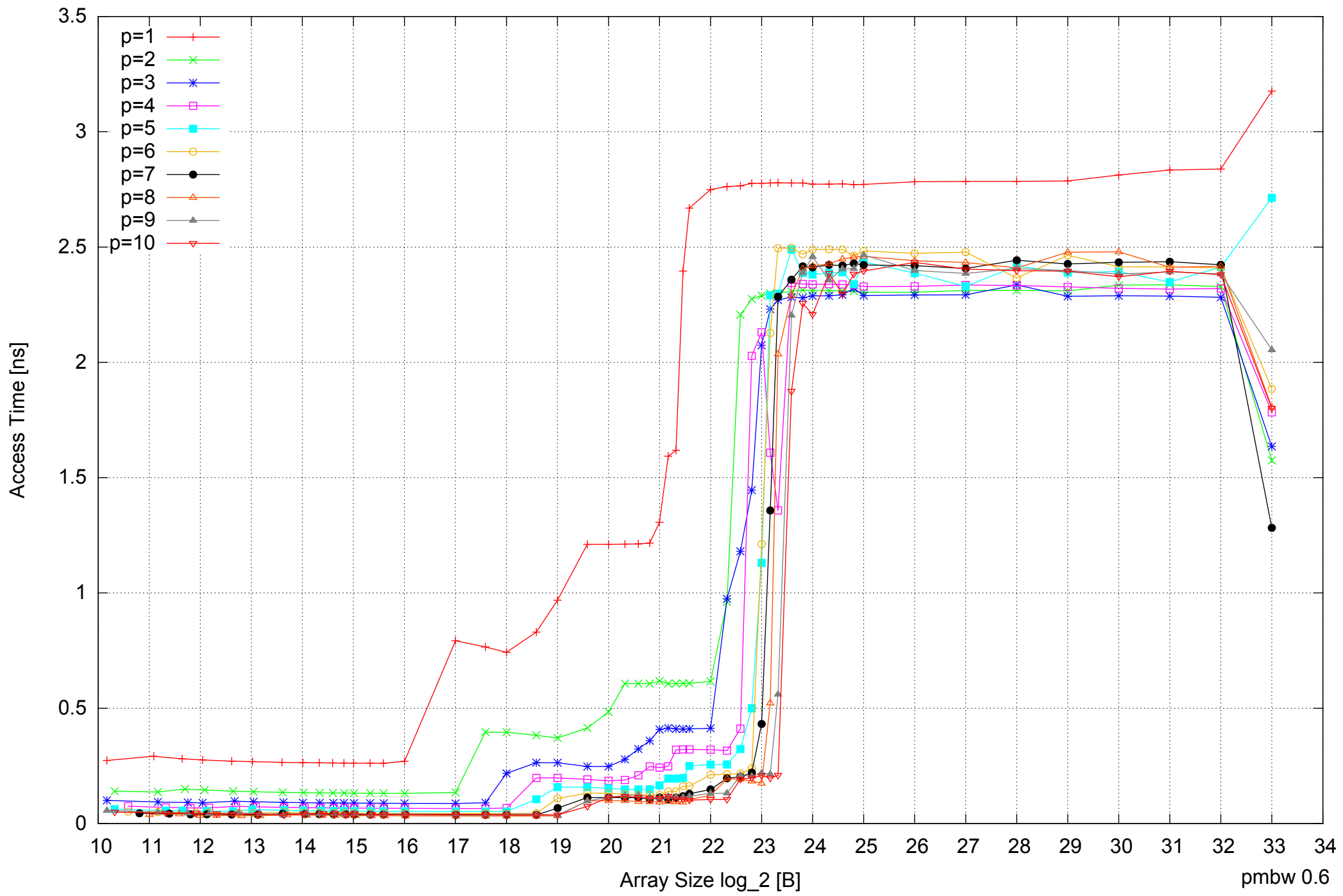




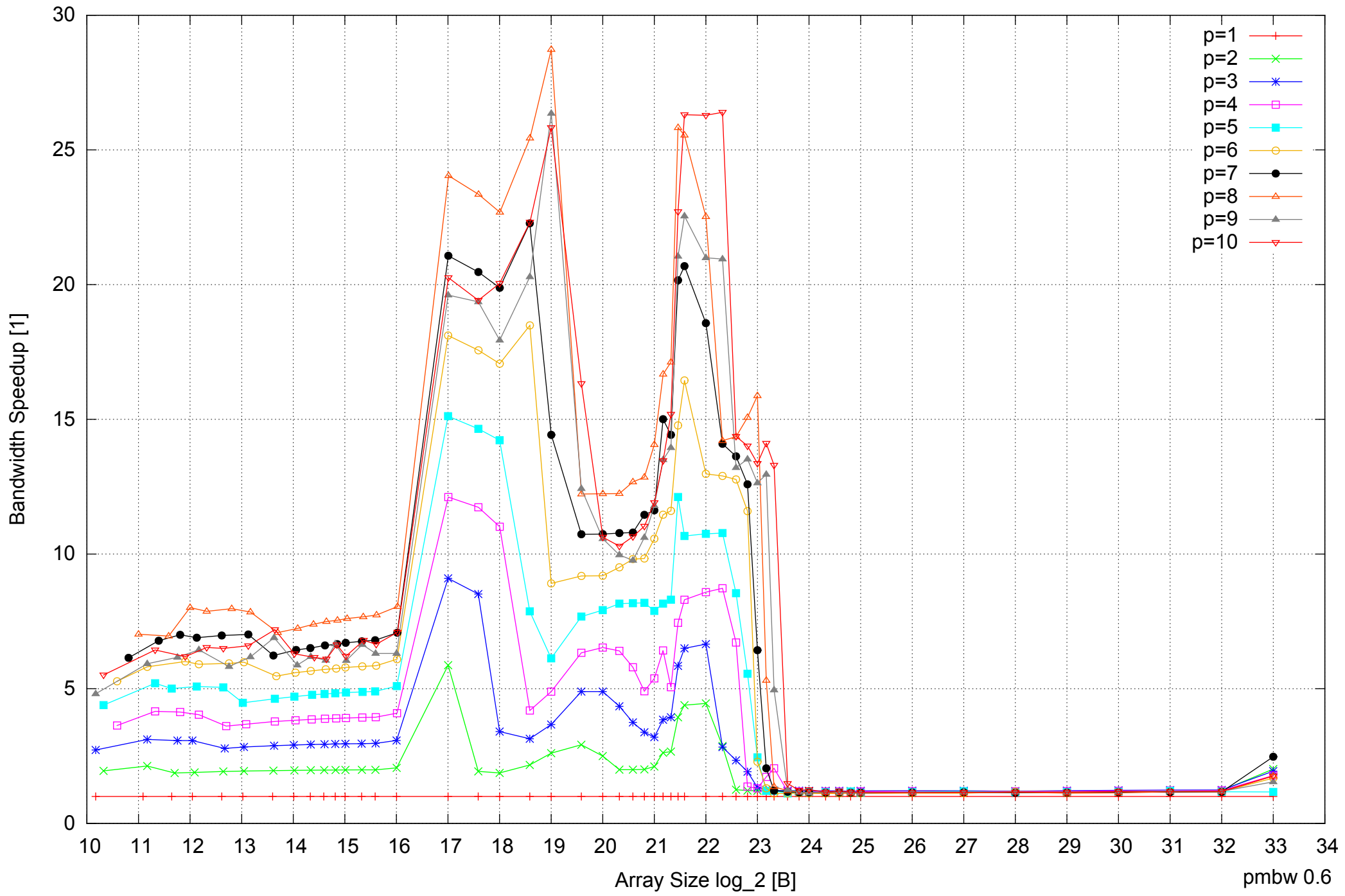
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite64PtrUnrollLoop



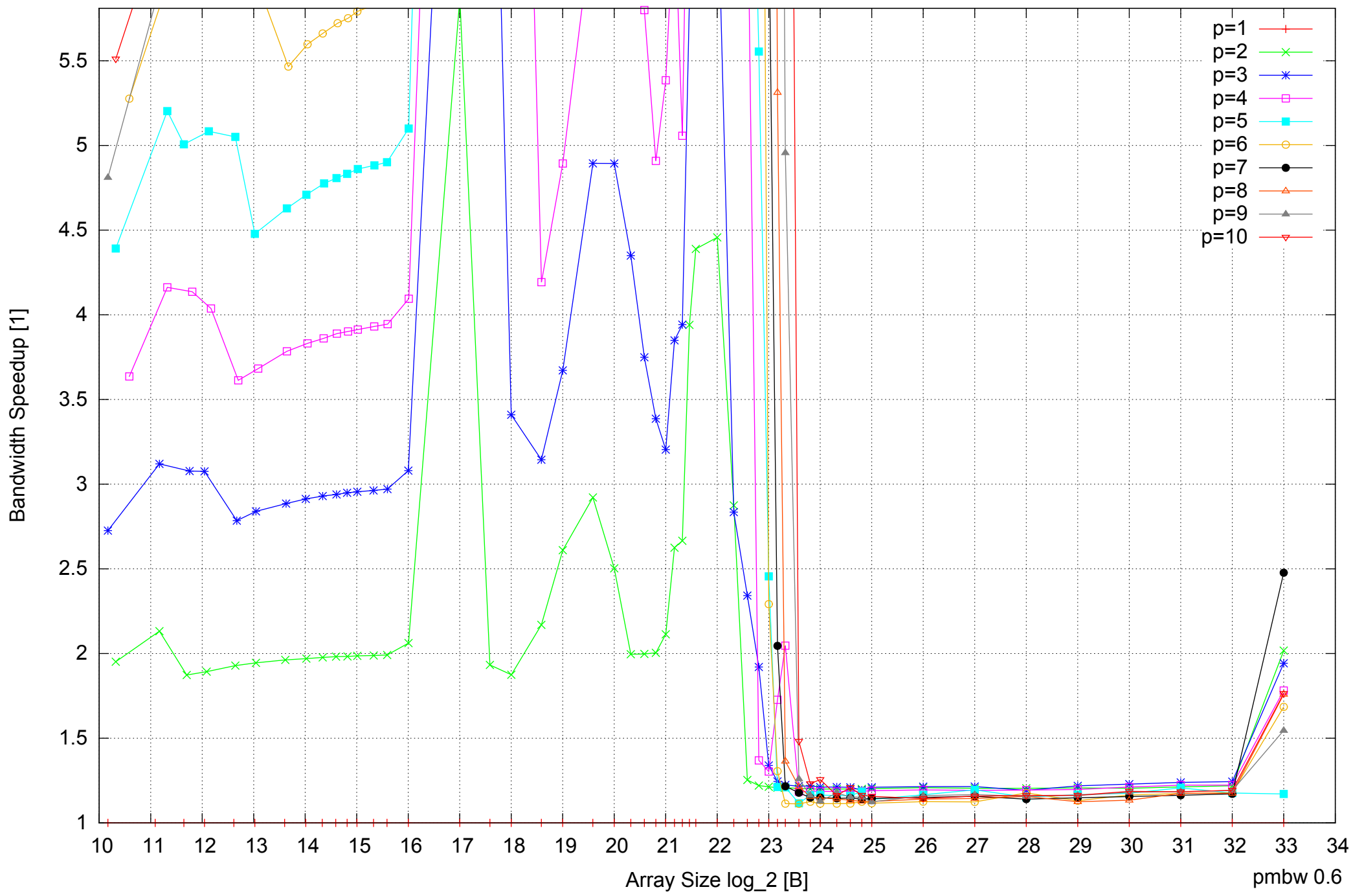
AMD Opteron 2350 16GB - Memory Latency - ScanWrite64PtrUnrollLoop



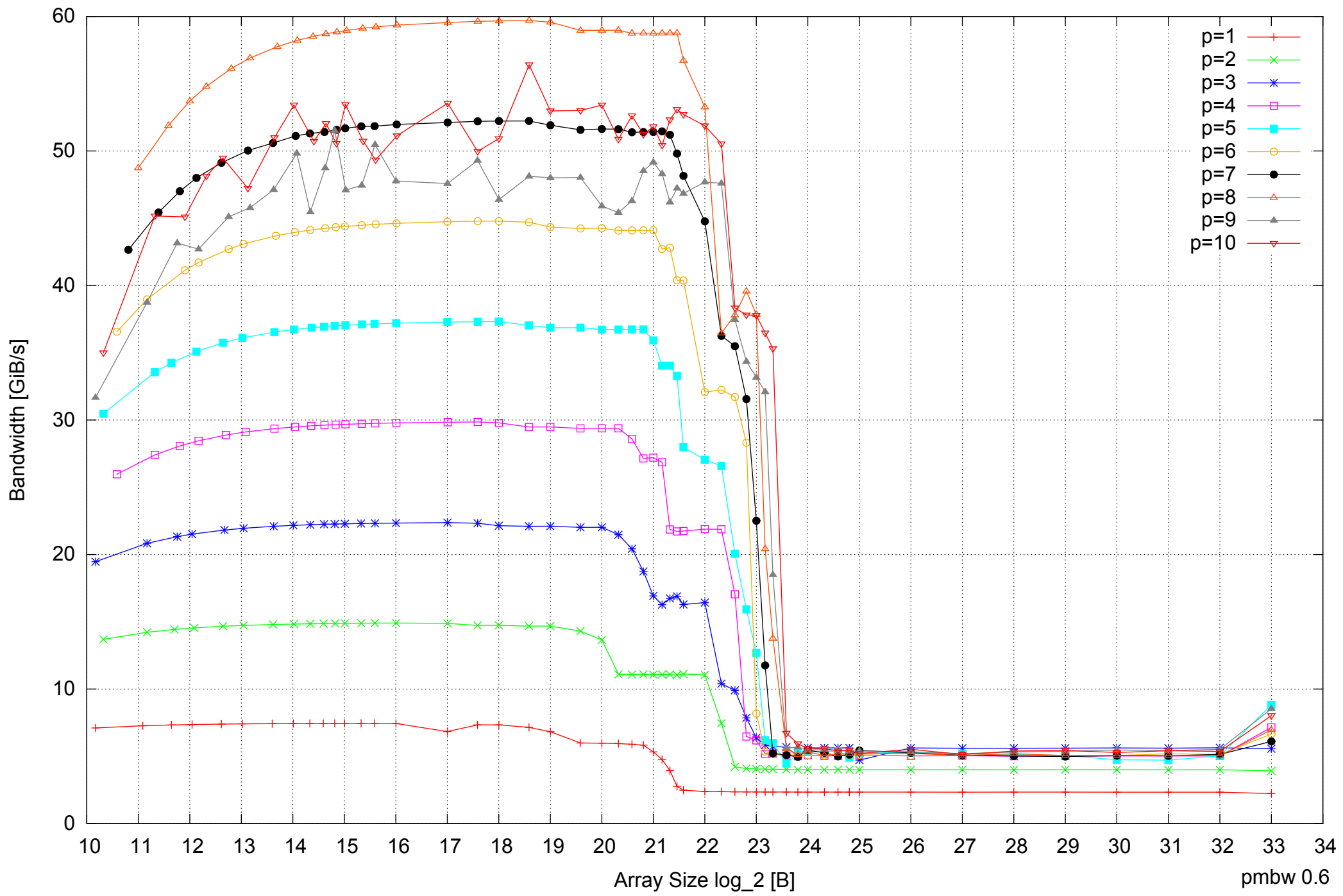
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite64PtrUnrollLoop



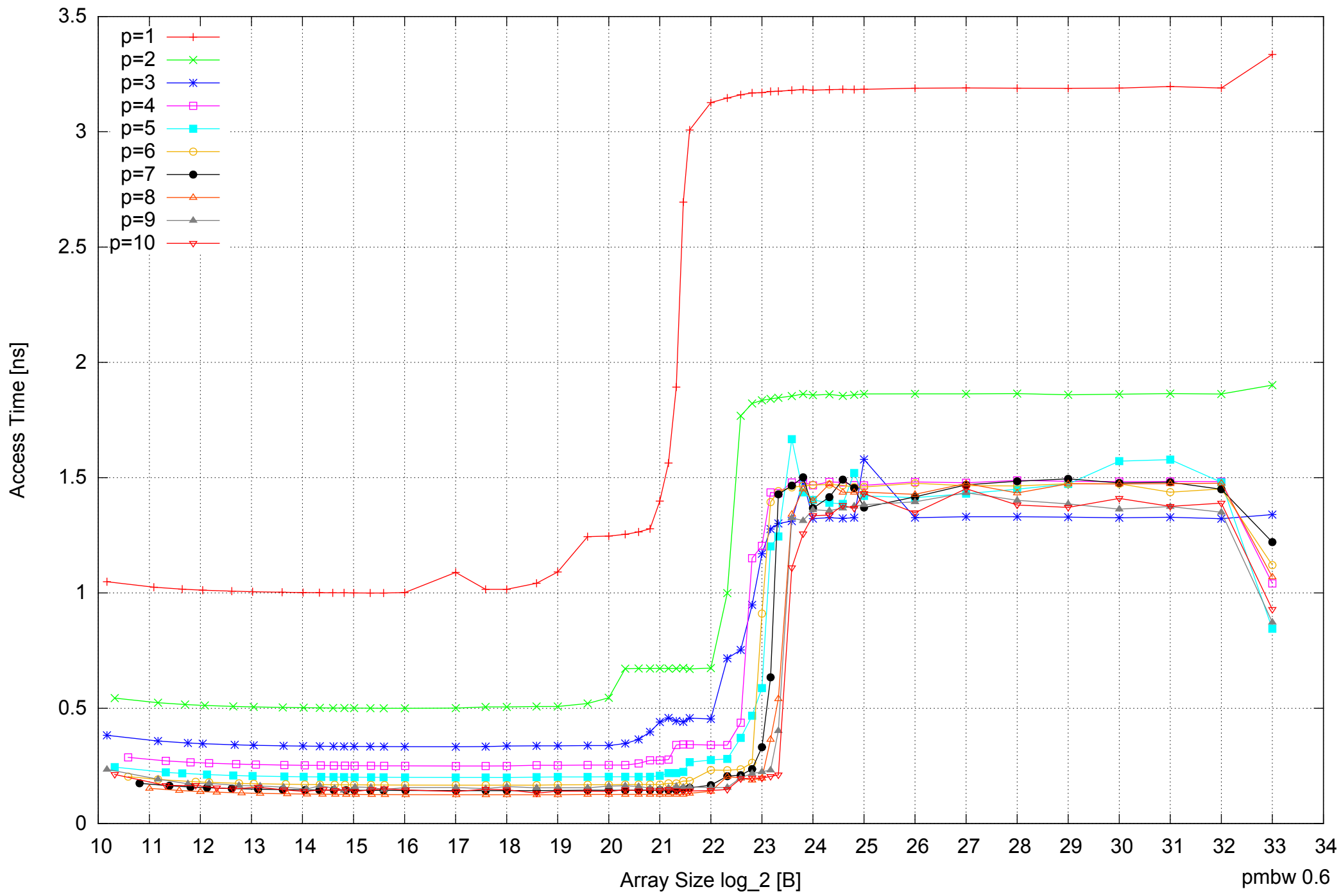
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



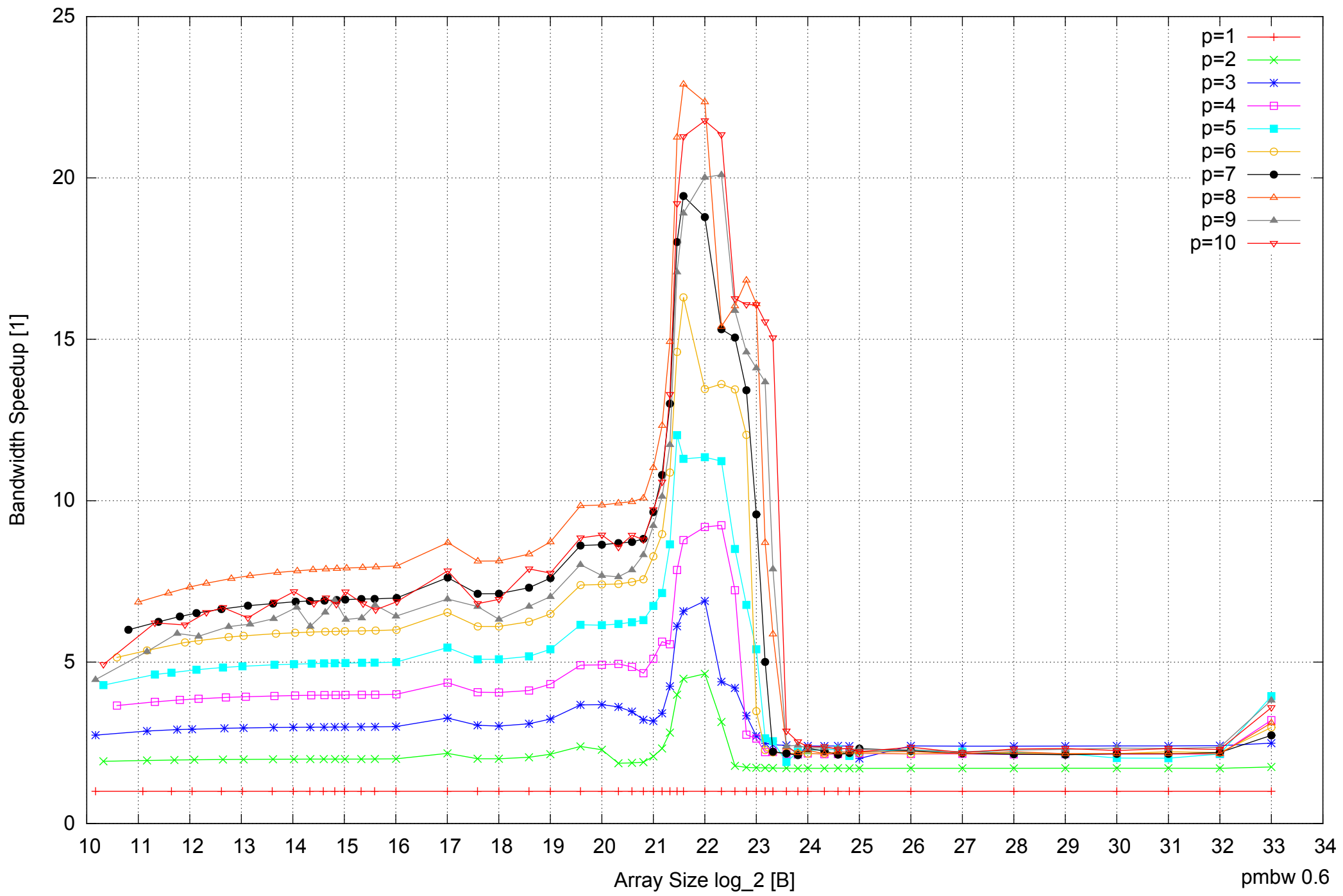
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead64PtrSimpleLoop



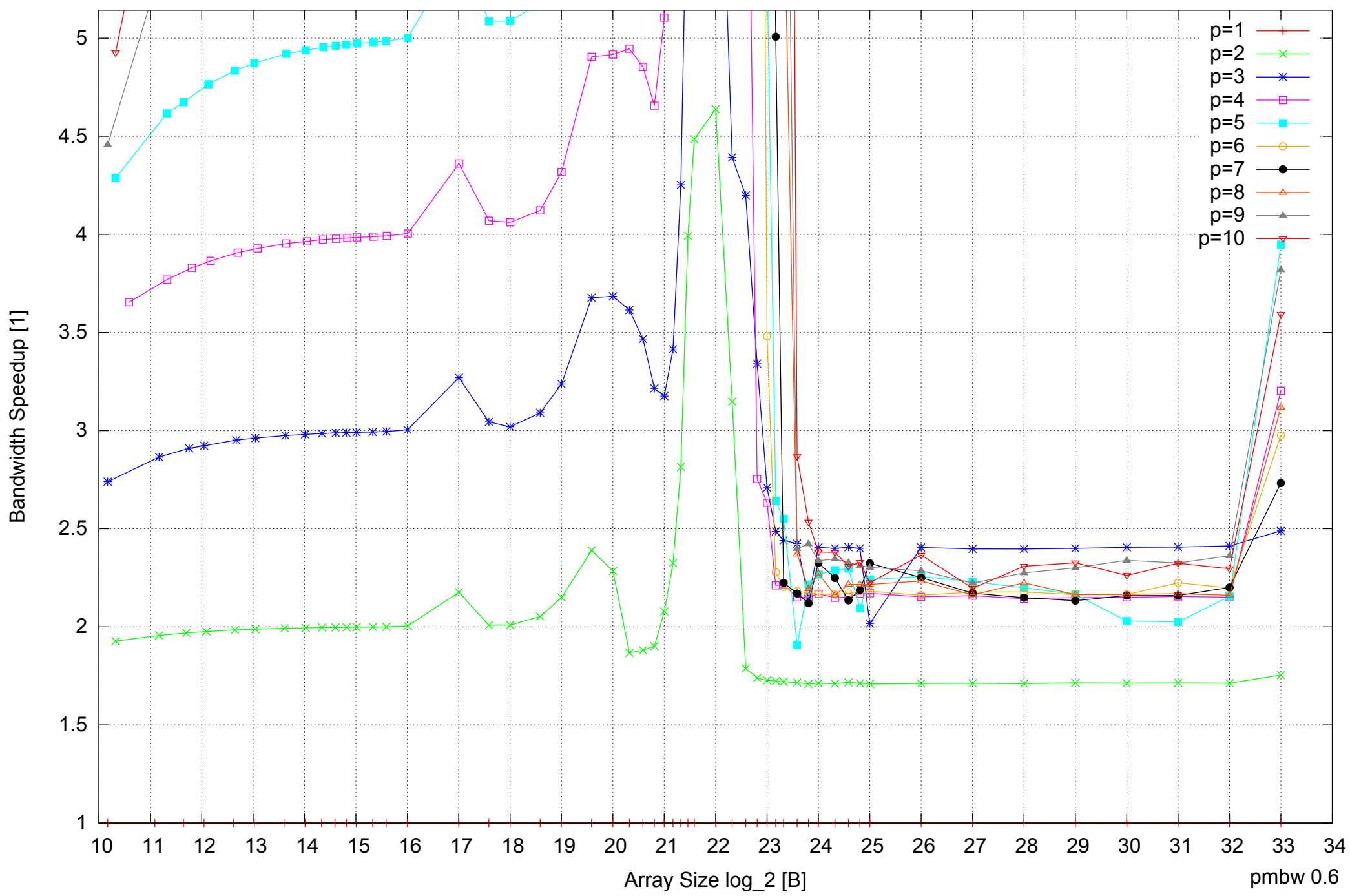
AMD Opteron 2350 16GB - Memory Latency - ScanRead64PtrSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead64PtrSimpleLoop

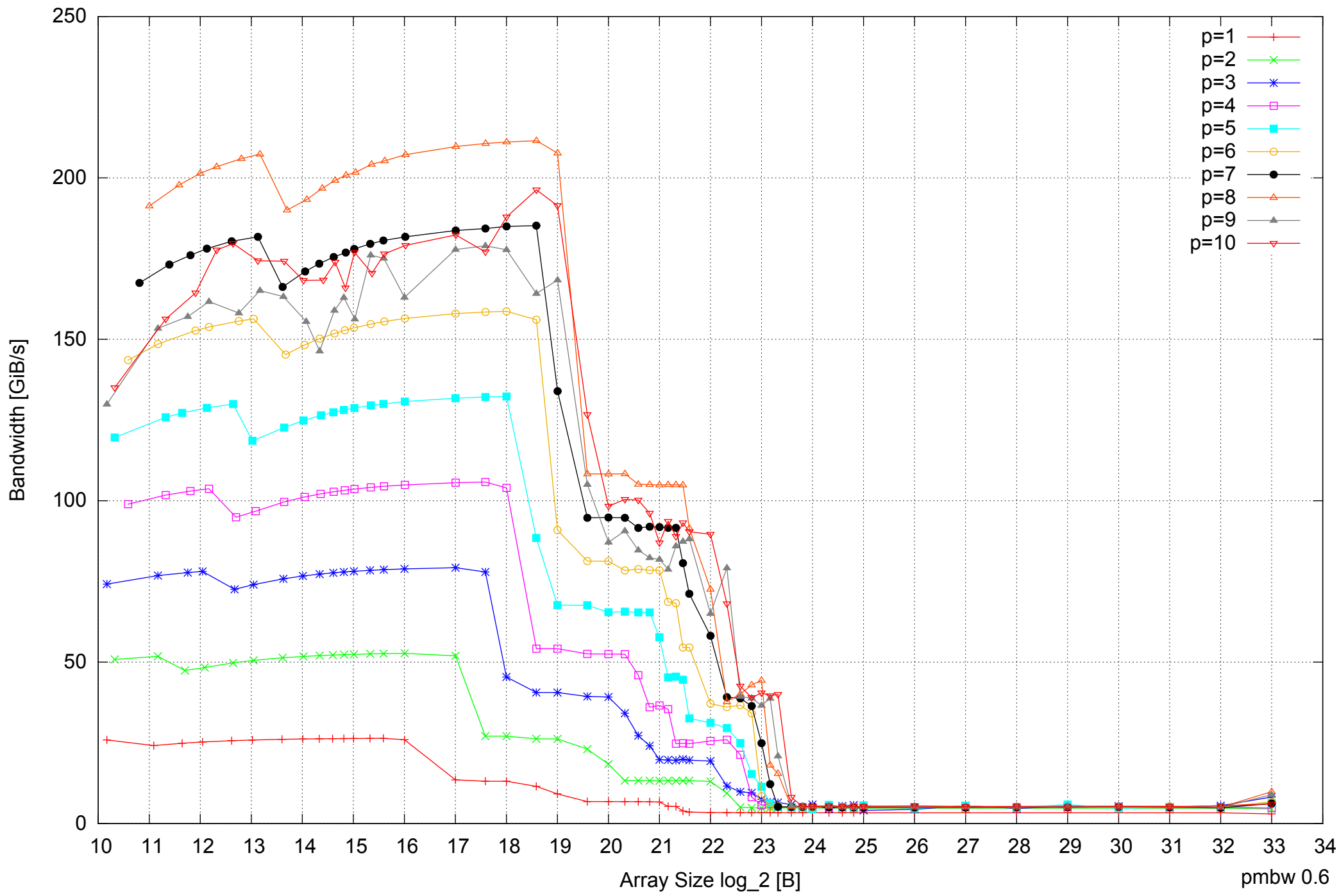


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop

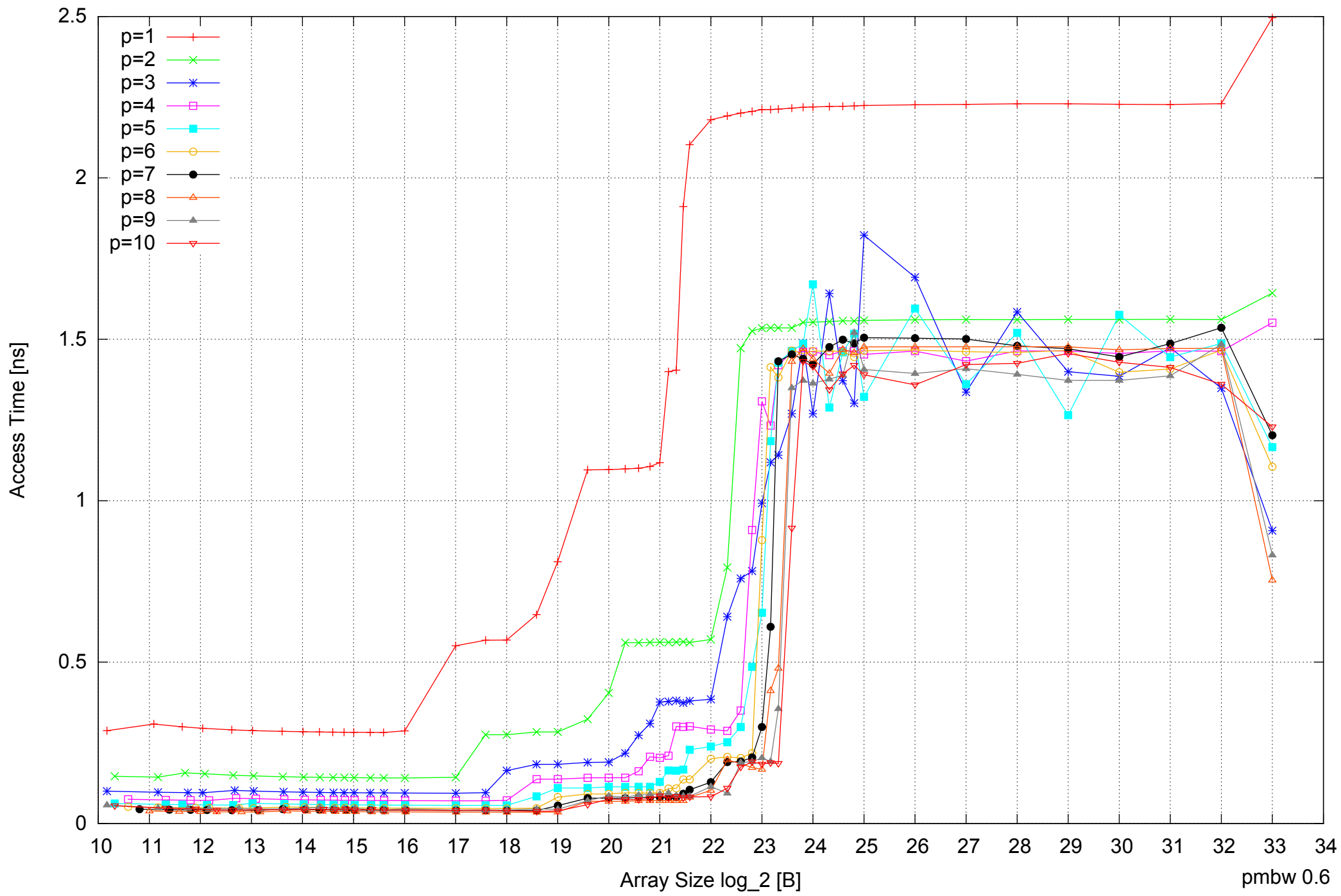




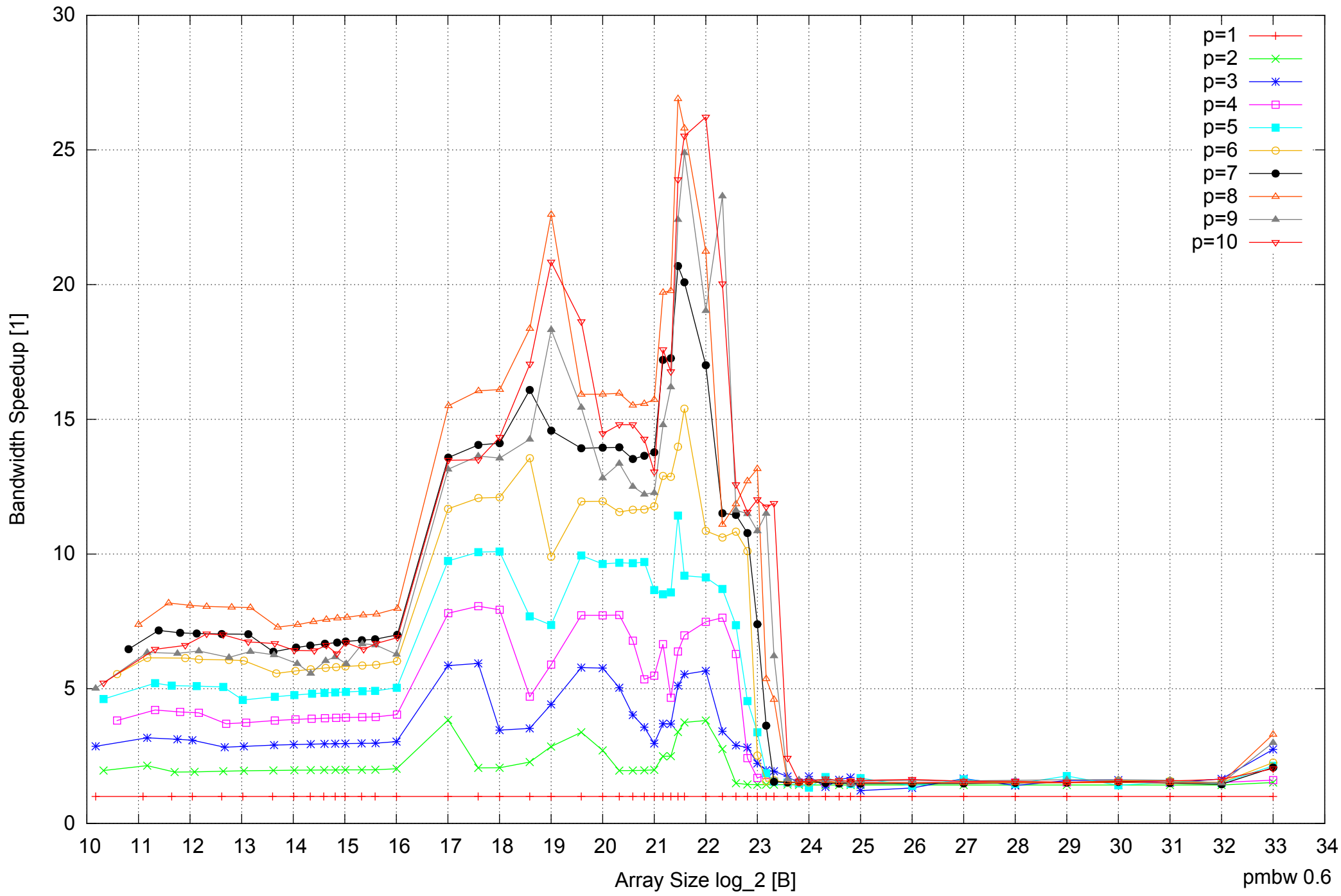
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead64PtrUnrollLoop



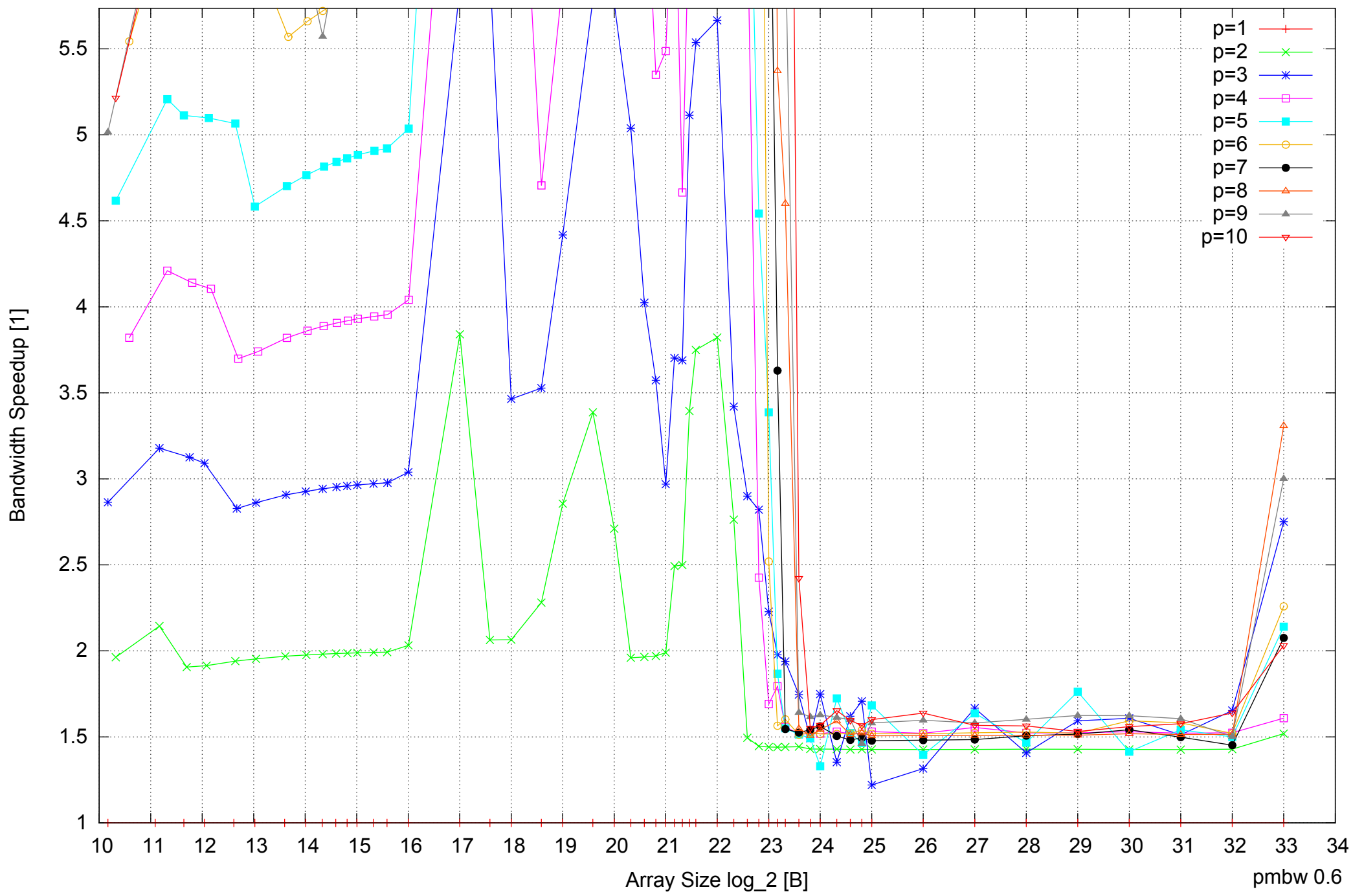
AMD Opteron 2350 16GB - Memory Latency - ScanRead64PtrUnrollLoop



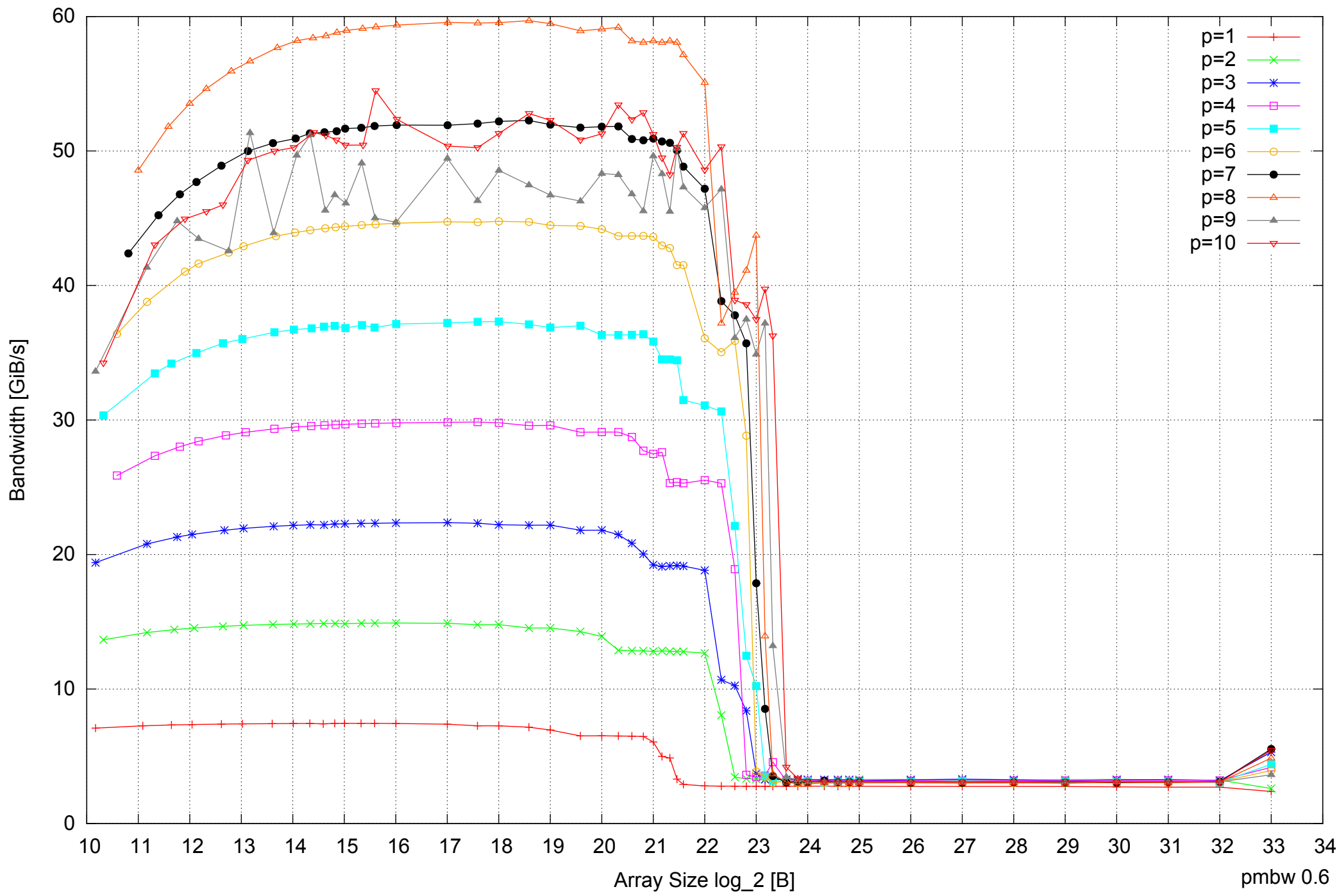
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead64PtrUnrollLoop



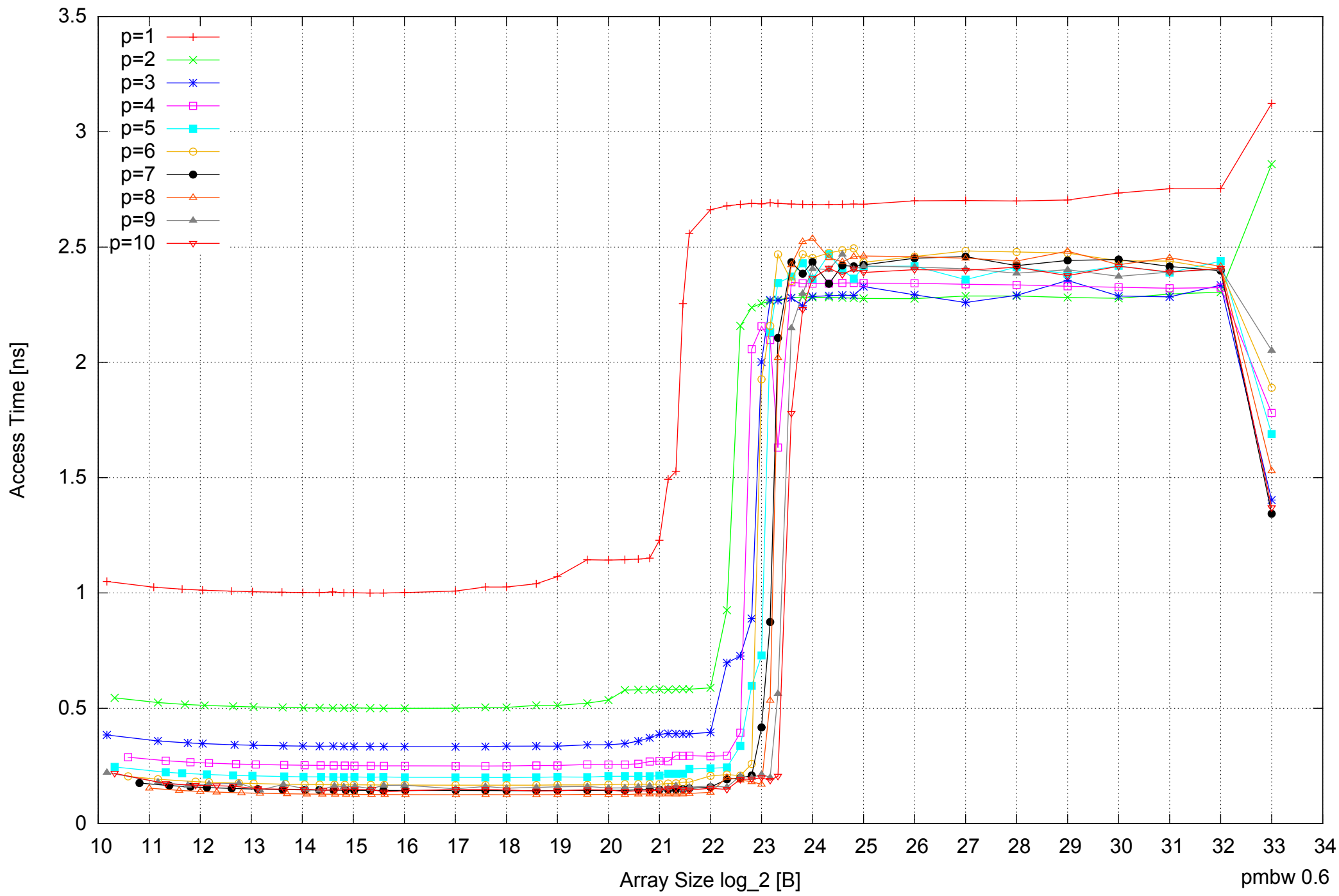
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



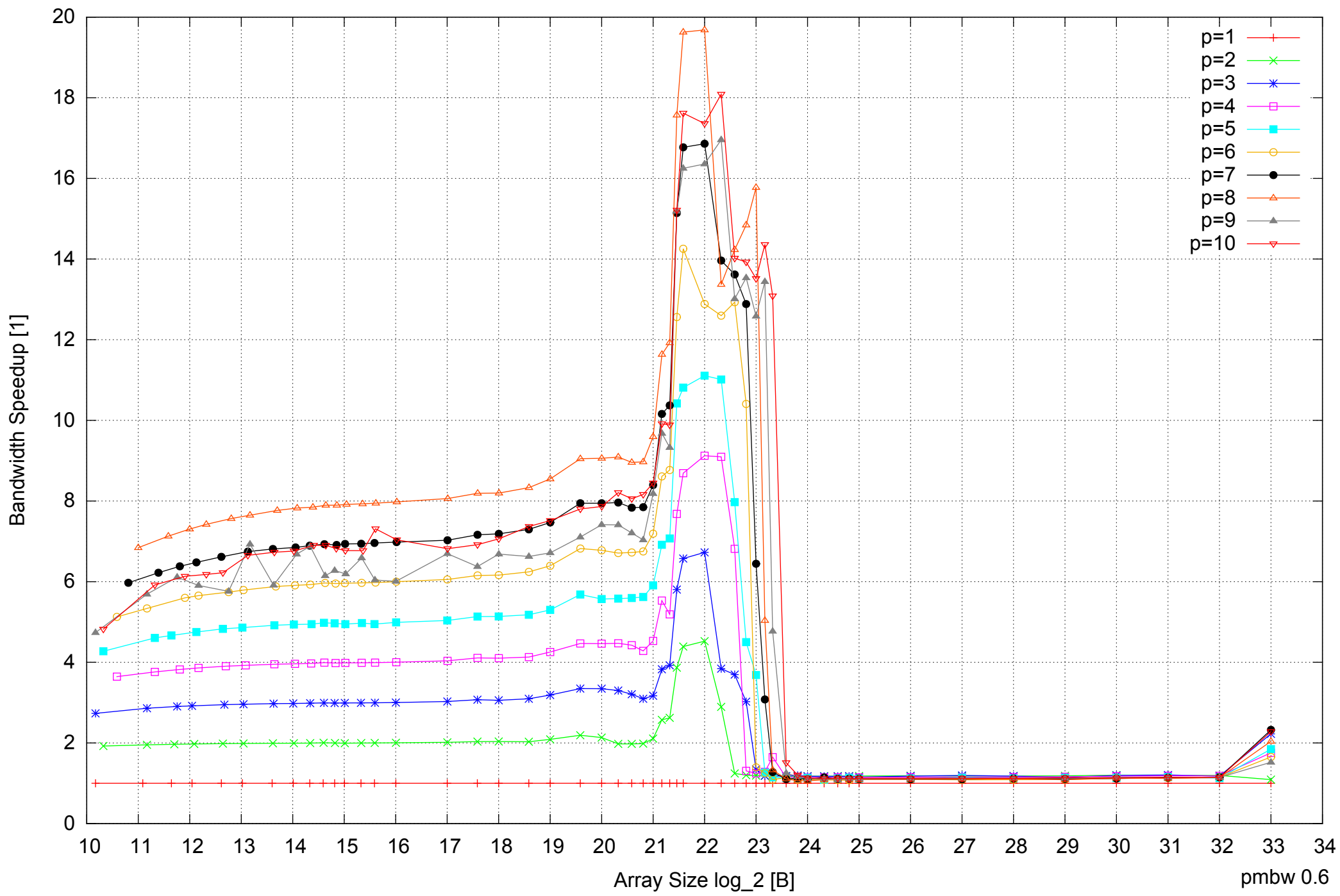
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite64IndexSimpleLoop



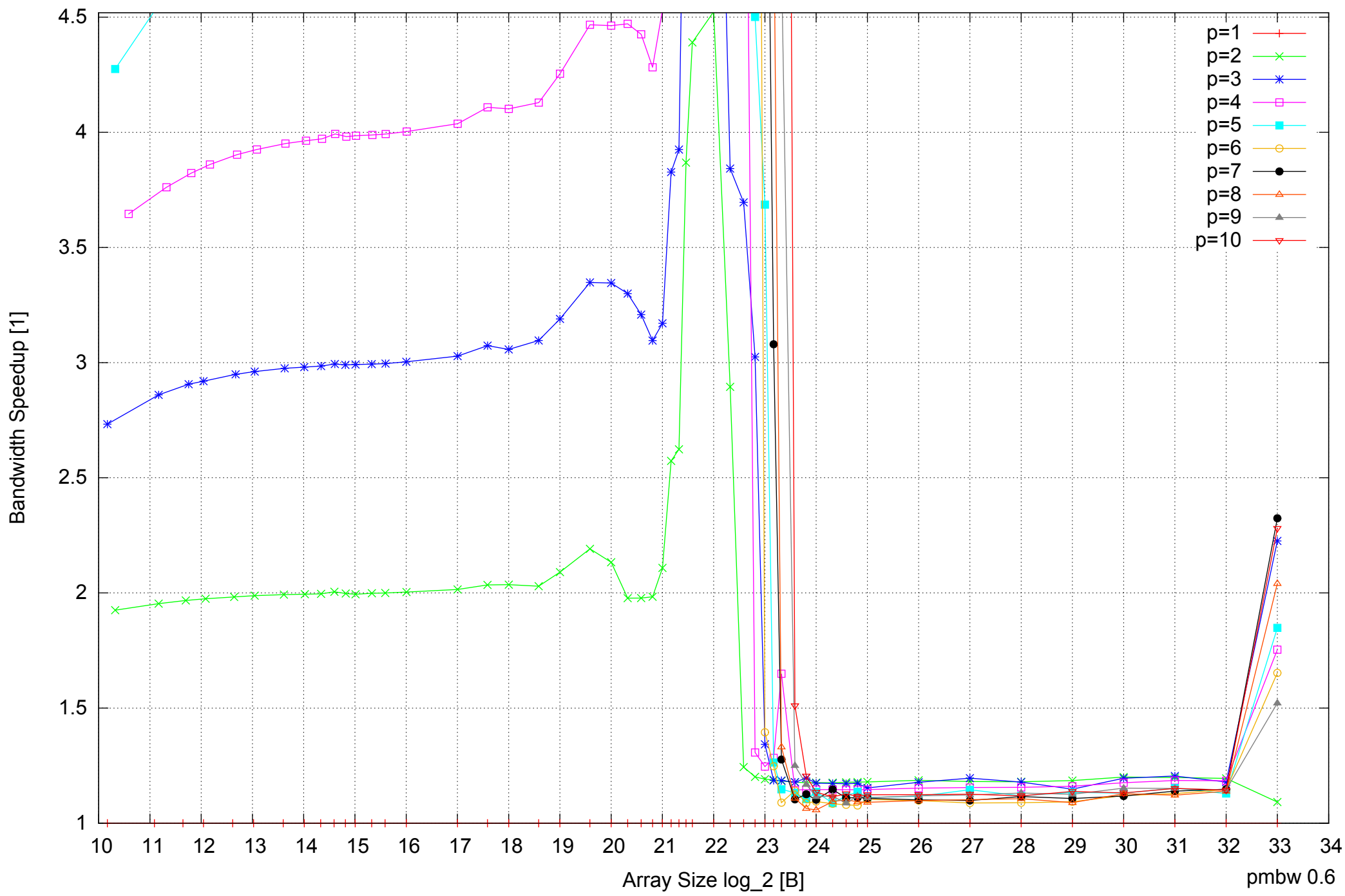
AMD Opteron 2350 16GB - Memory Latency - ScanWrite64IndexSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite64IndexSimpleLoop

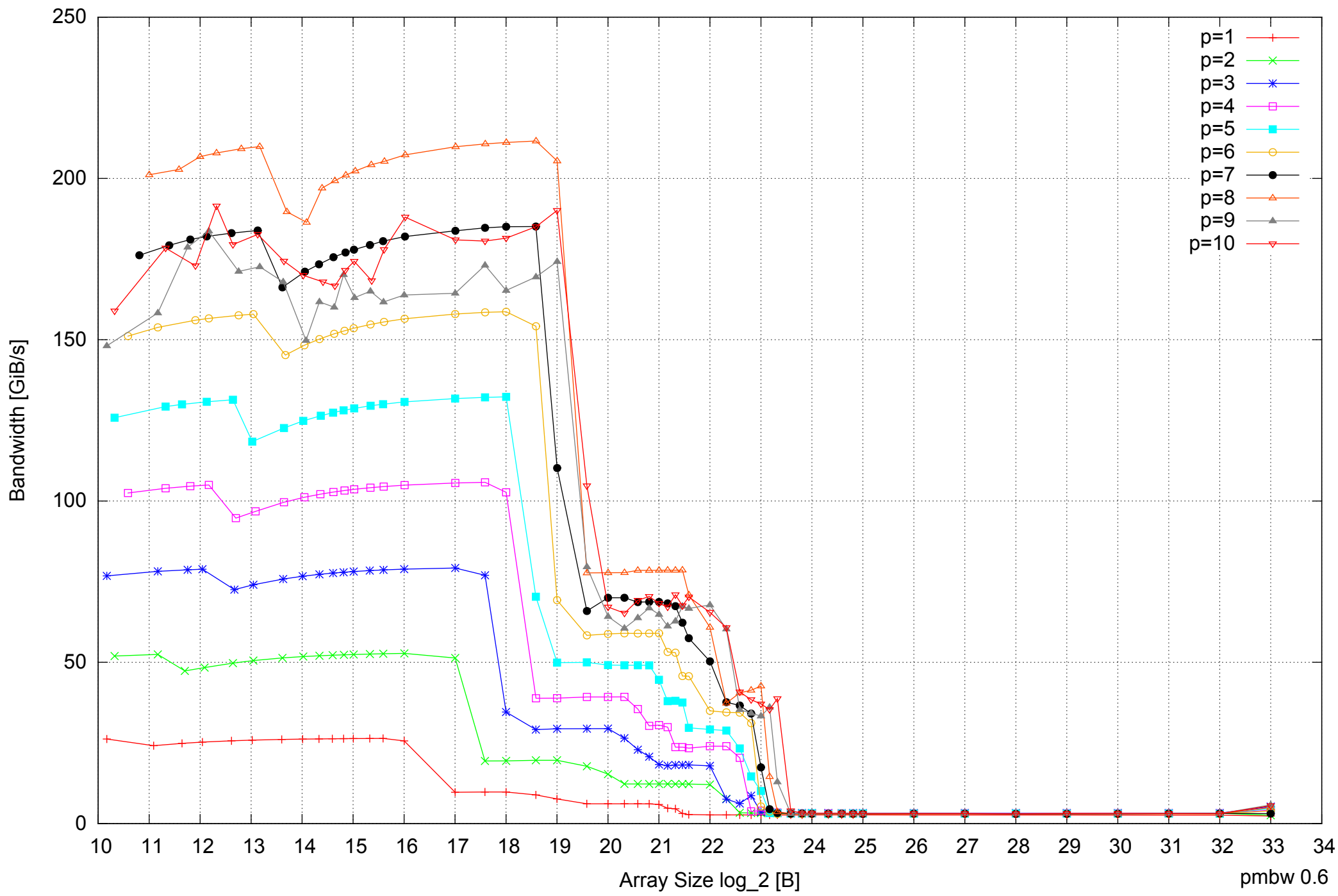


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop

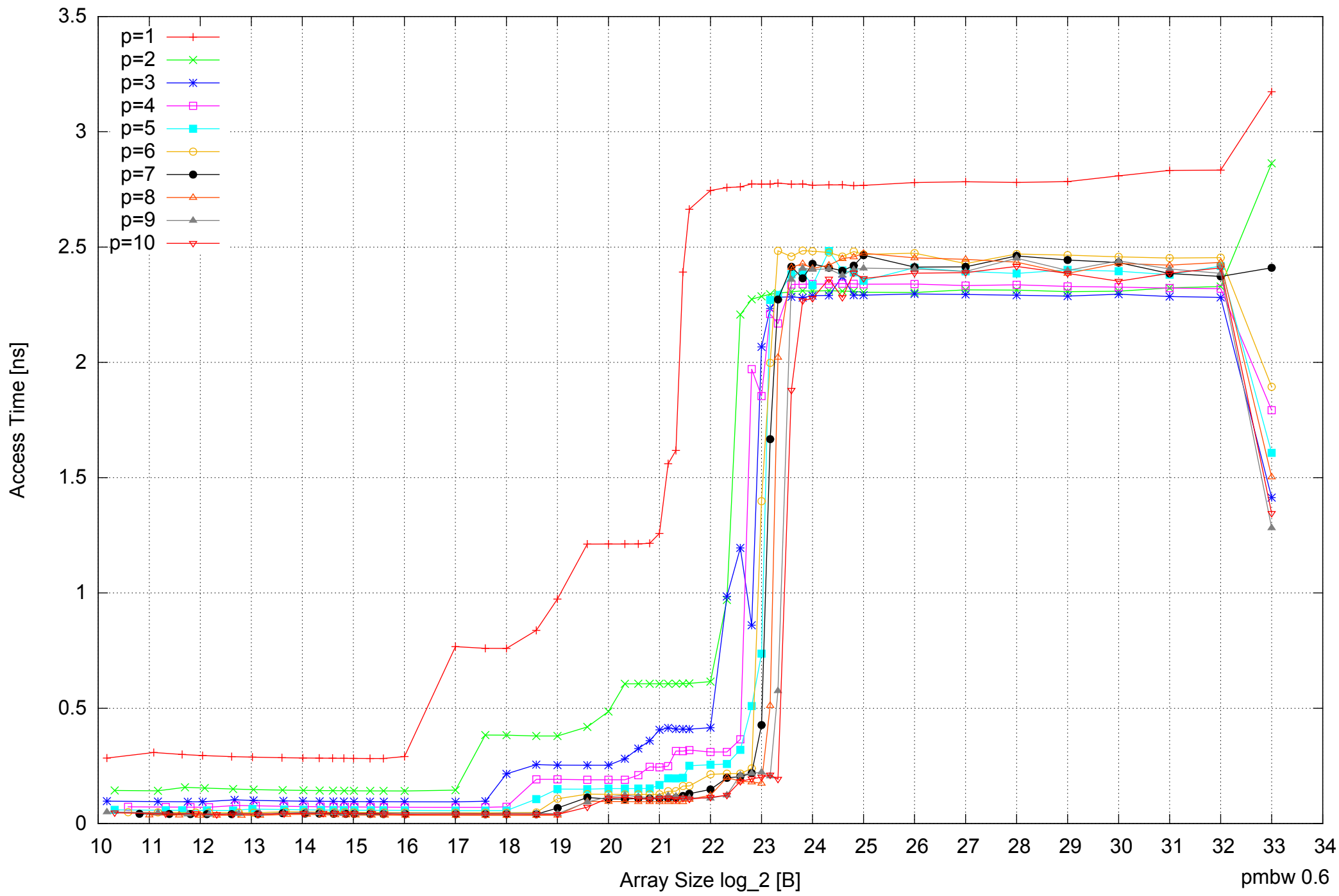




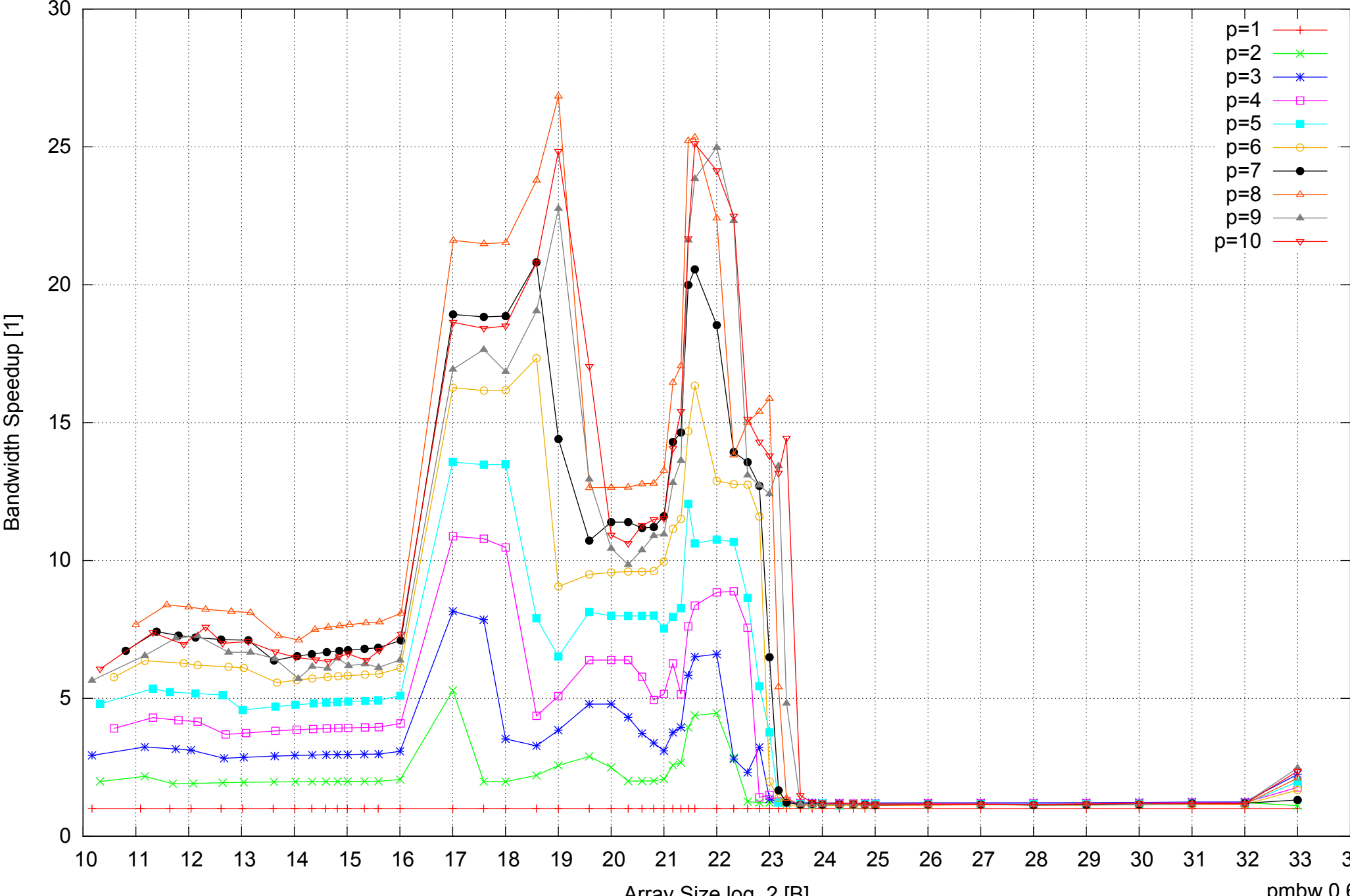
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite64IndexUnrollLoop



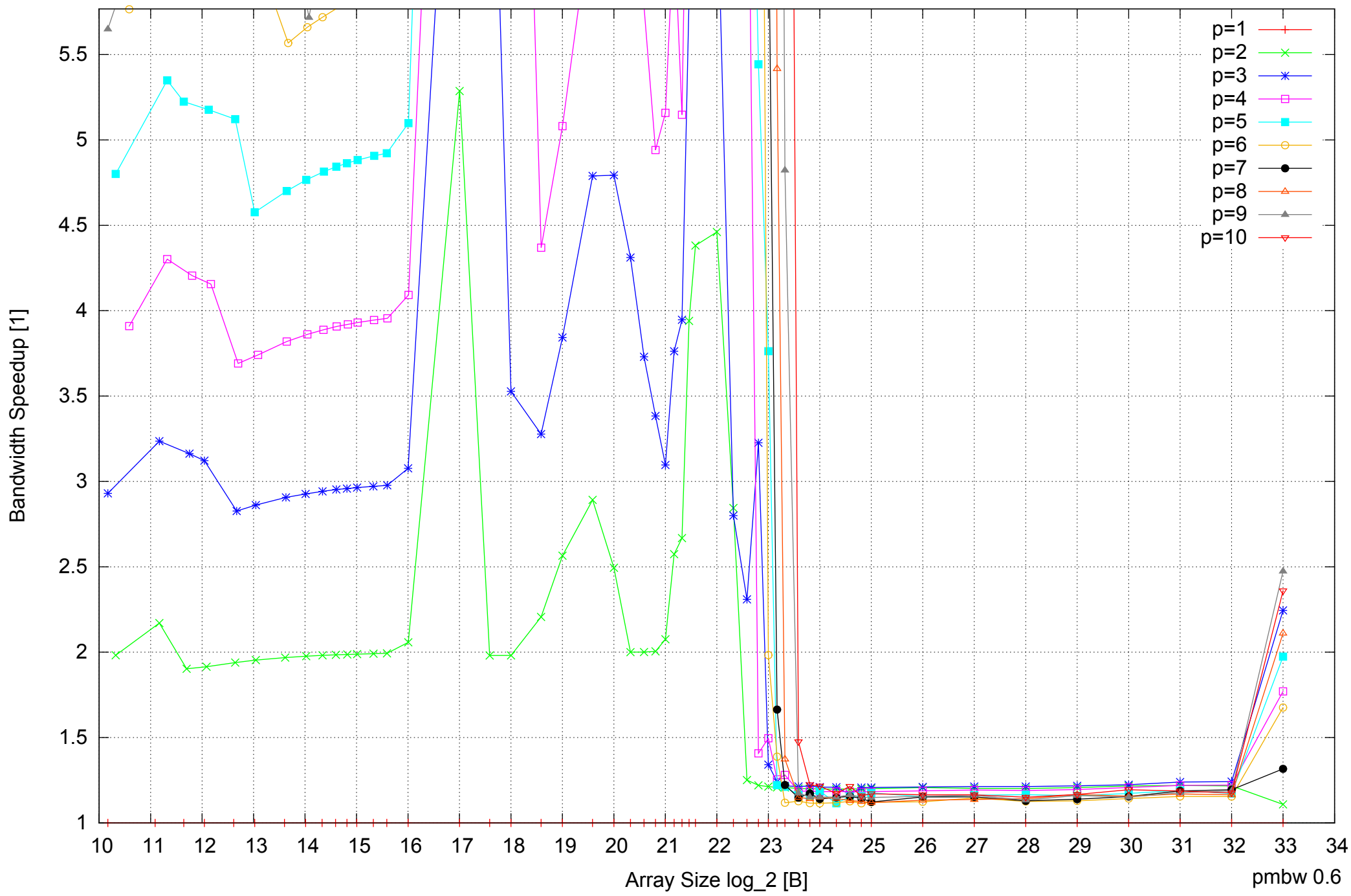
AMD Opteron 2350 16GB - Memory Latency - ScanWrite64IndexUnrollLoop



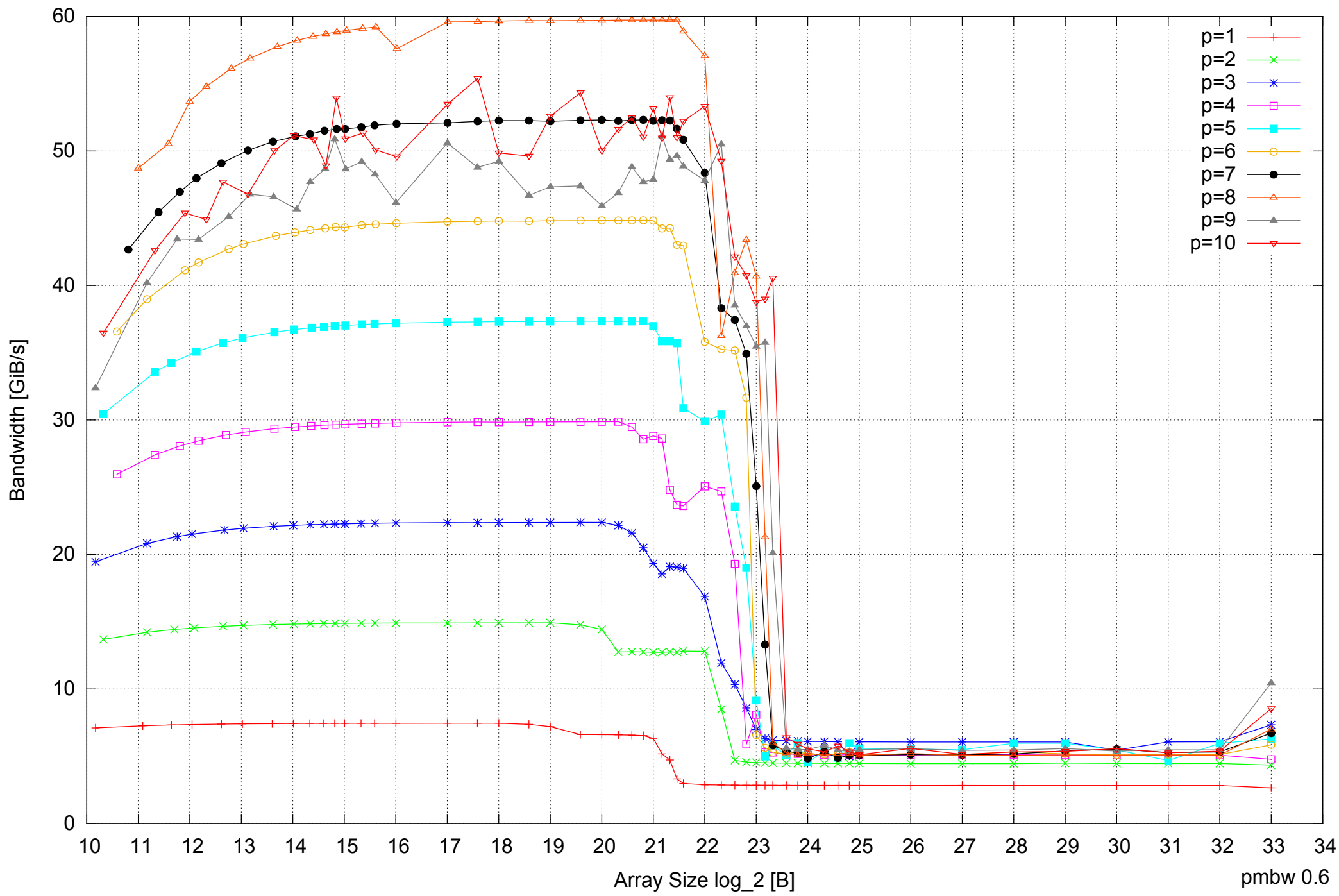
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite64IndexUnrollLoop



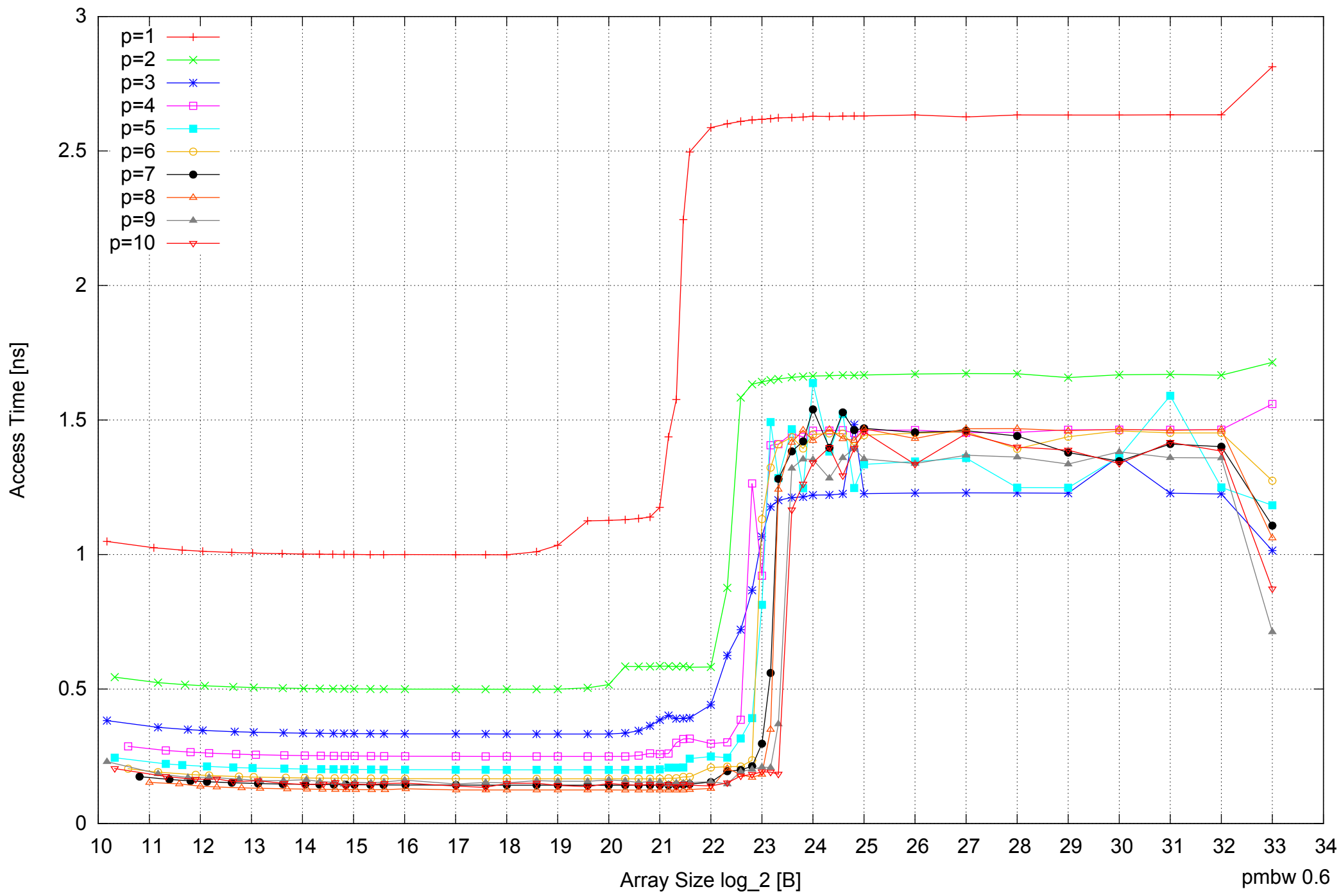
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexUnrollLoop



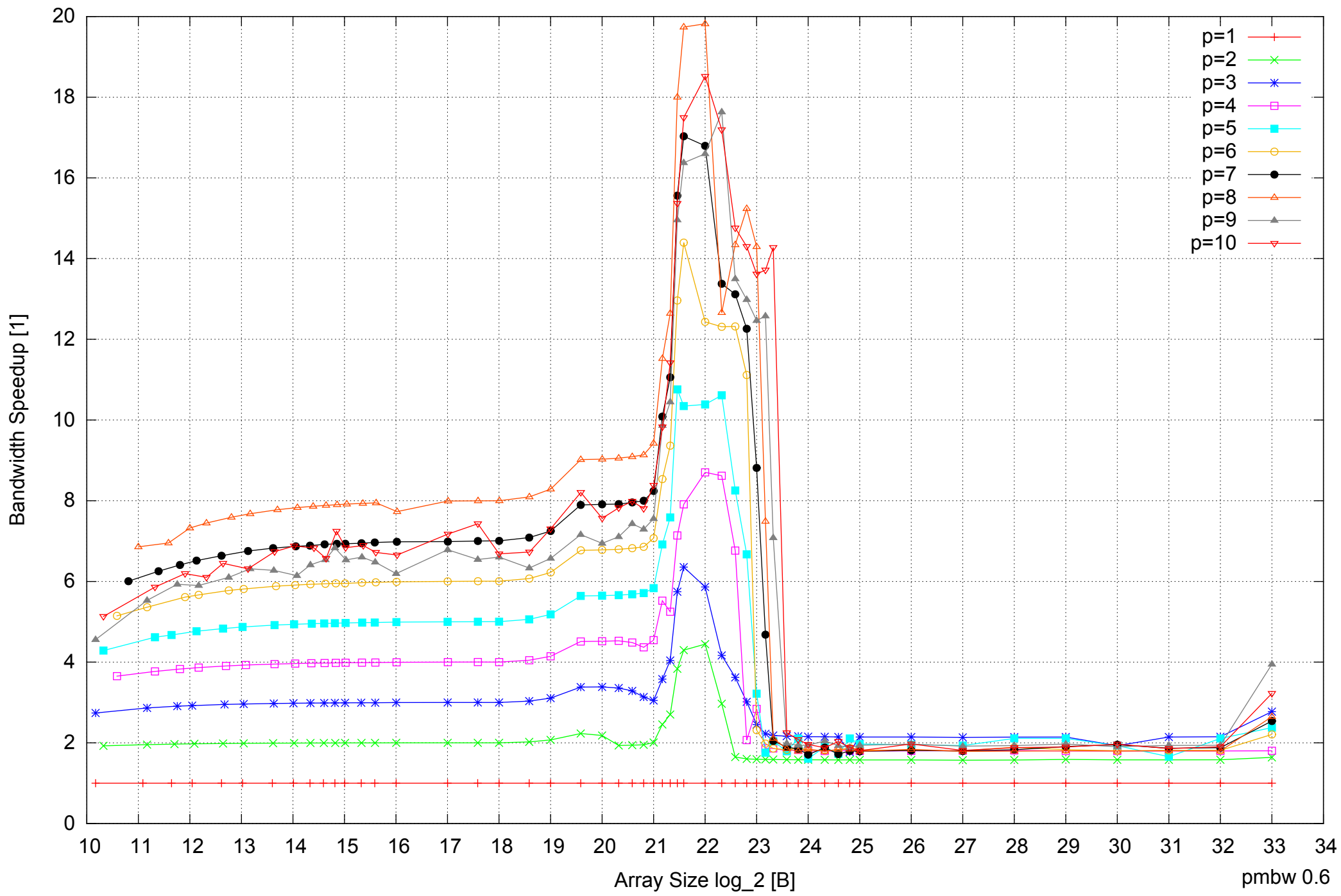
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead64IndexSimpleLoop



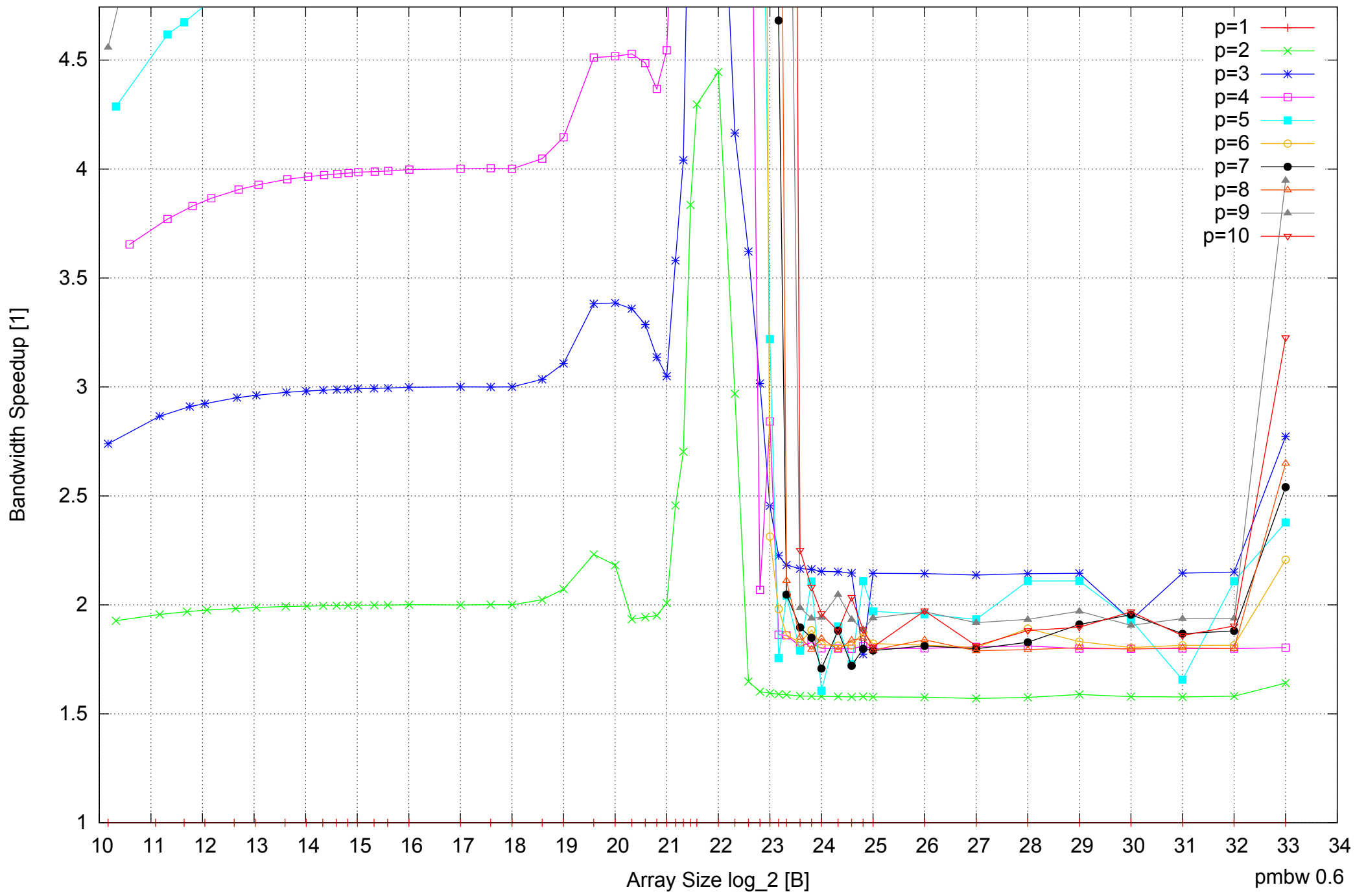
AMD Opteron 2350 16GB - Memory Latency - ScanRead64IndexSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead64IndexSimpleLoop

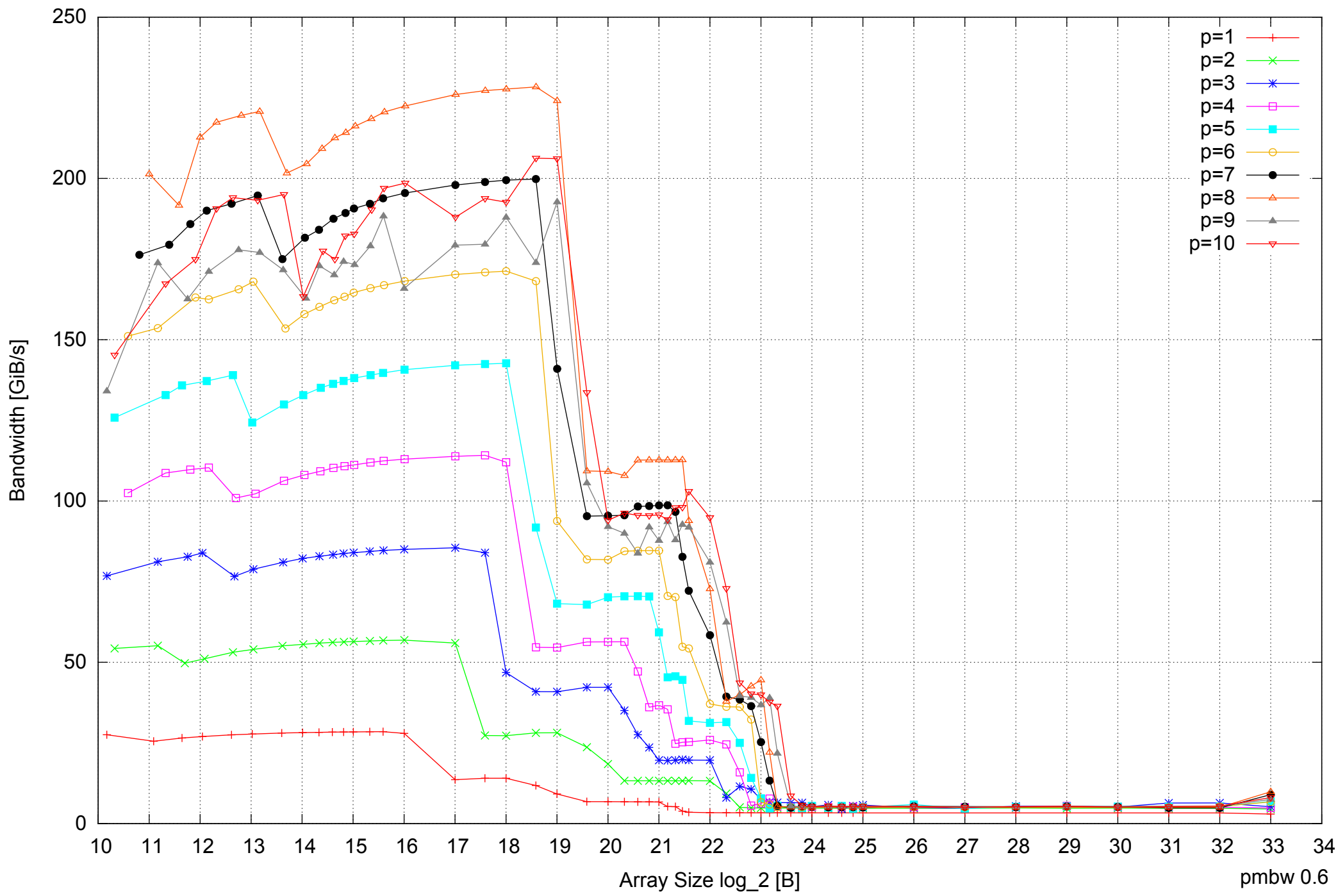


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64IndexSimpleLoop

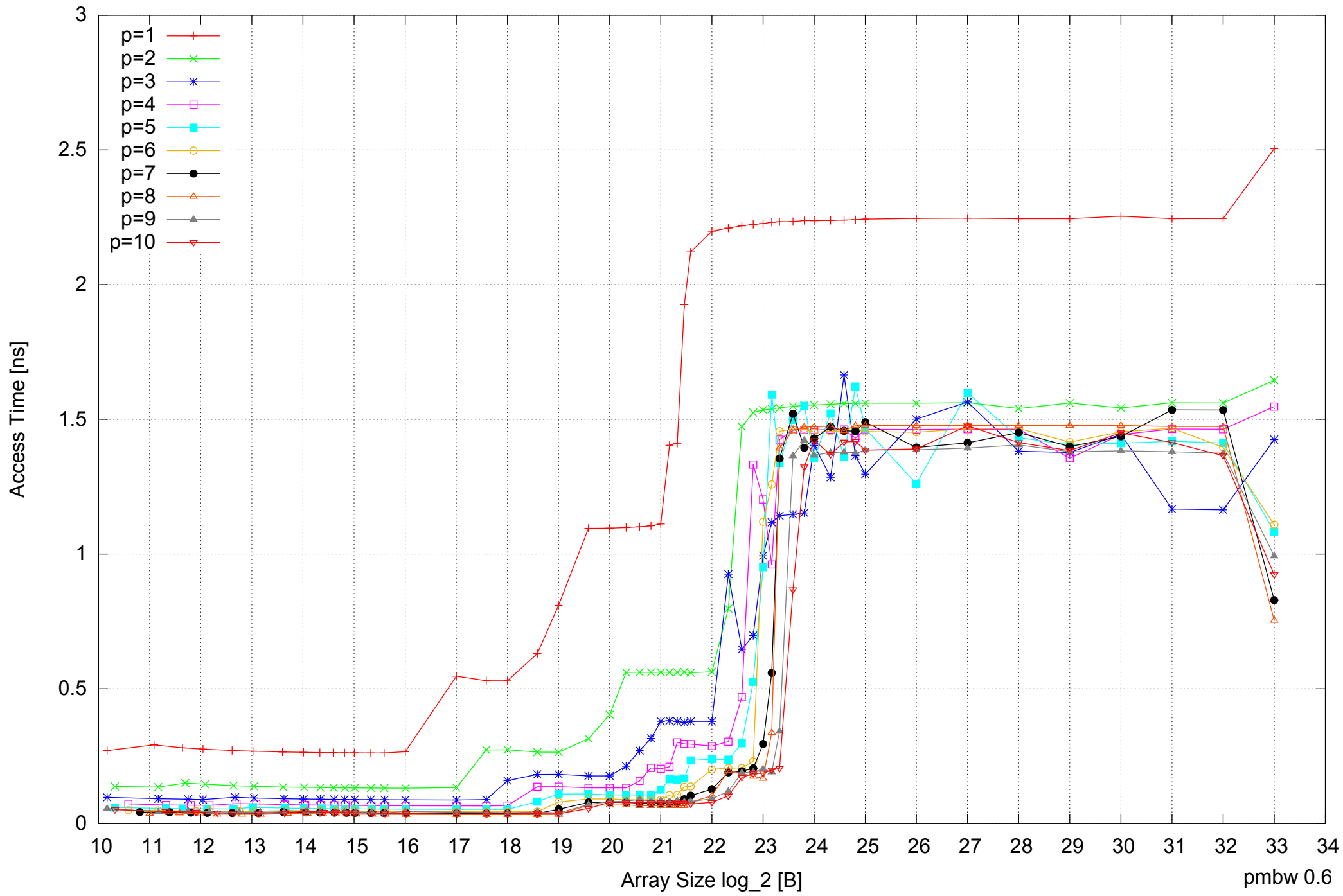




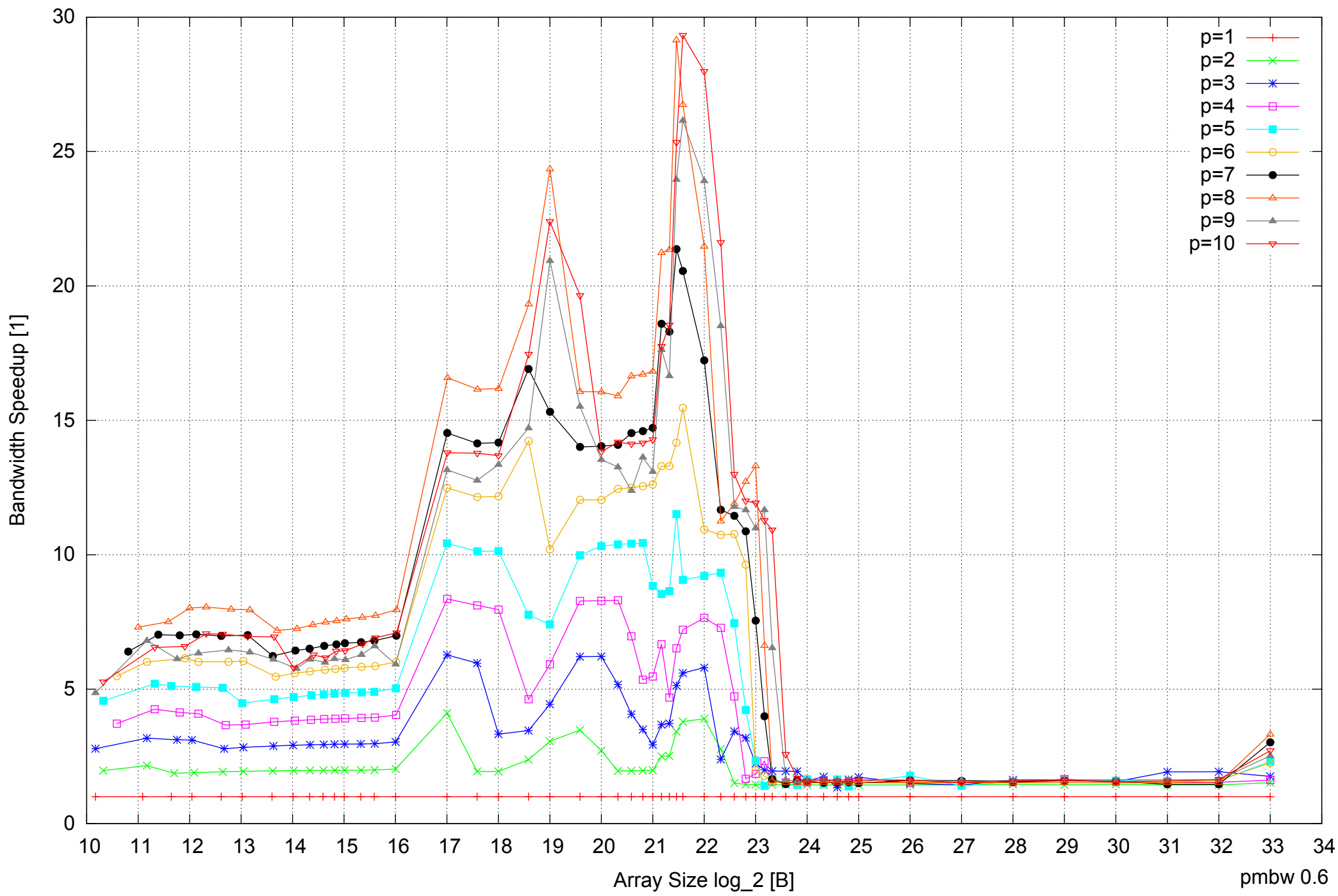
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead64IndexUnrollLoop



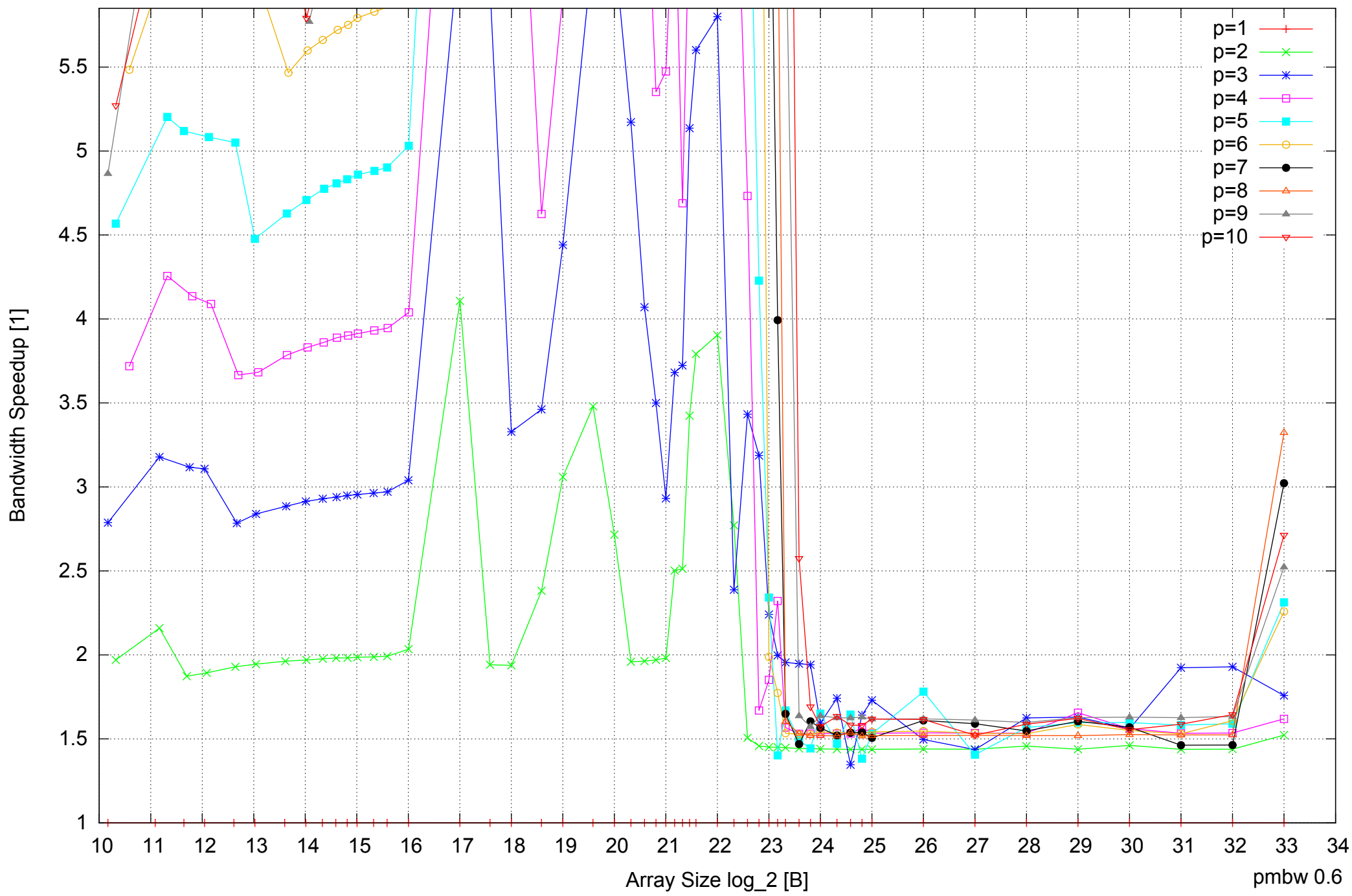
AMD Opteron 2350 16GB - Memory Latency - ScanRead64IndexUnrollLoop



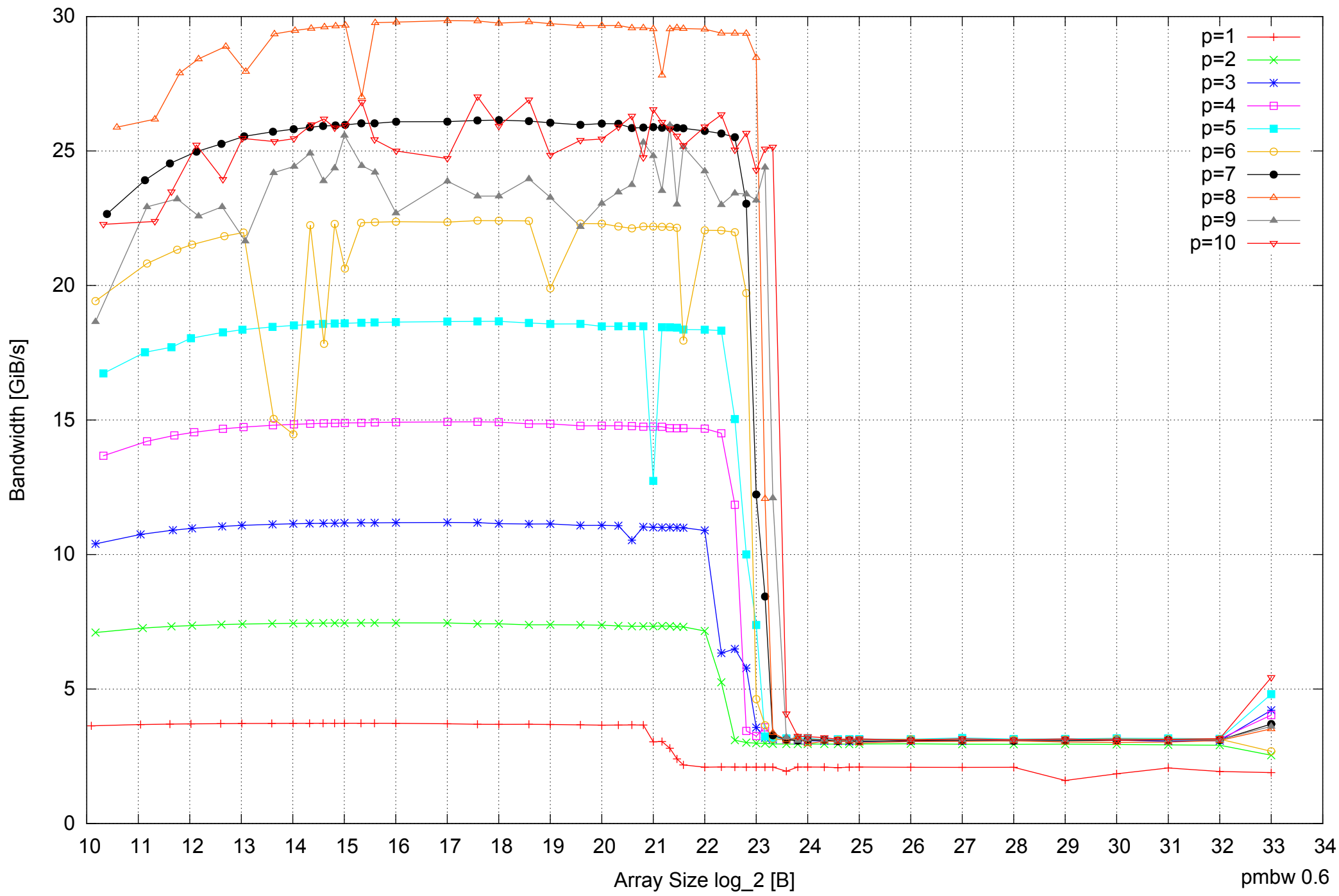
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead64IndexUnrollLoop



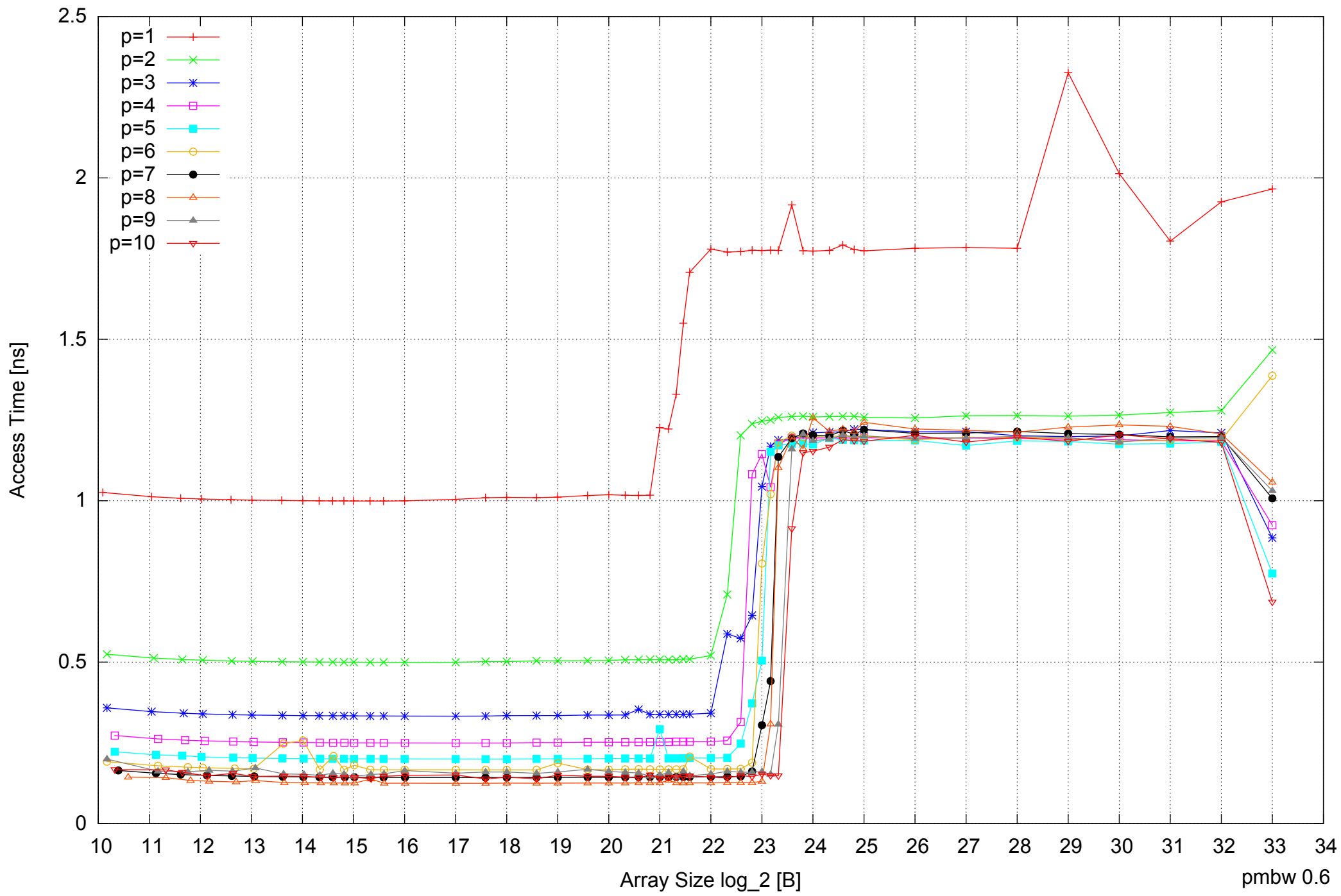
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64IndexUnrollLoop



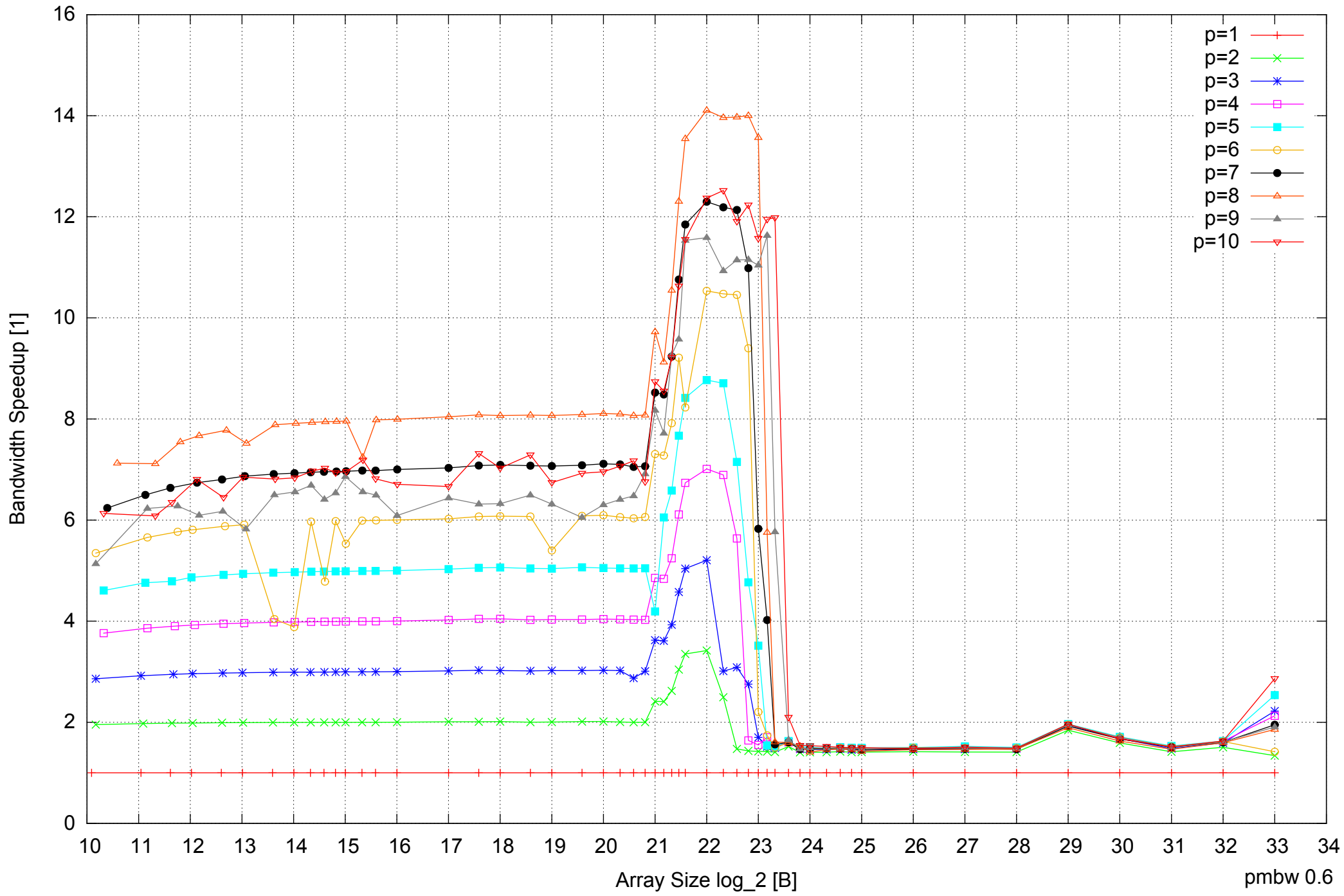
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite32PtrSimpleLoop



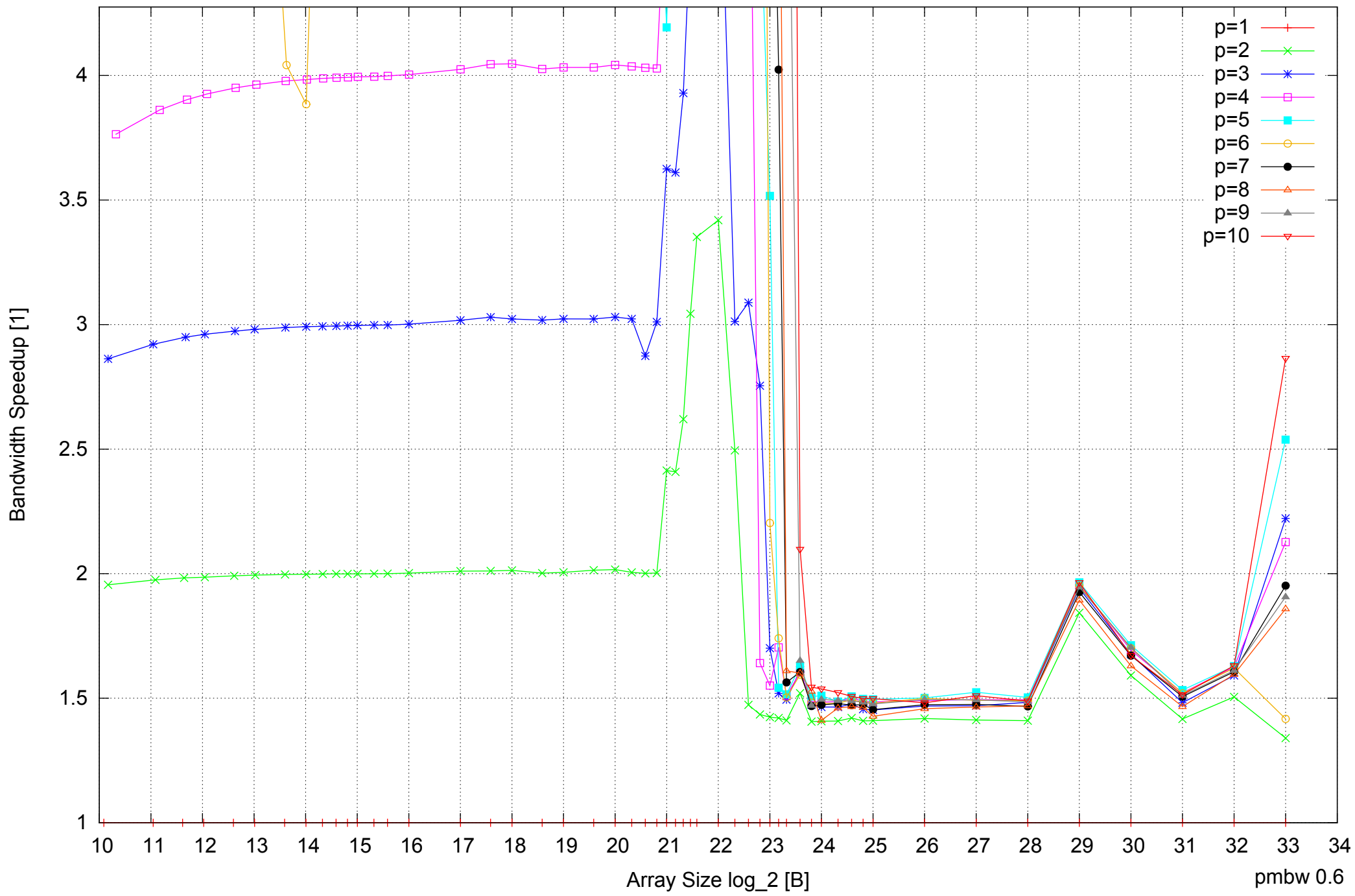
AMD Opteron 2350 16GB - Memory Latency - ScanWrite32PtrSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite32PtrSimpleLoop

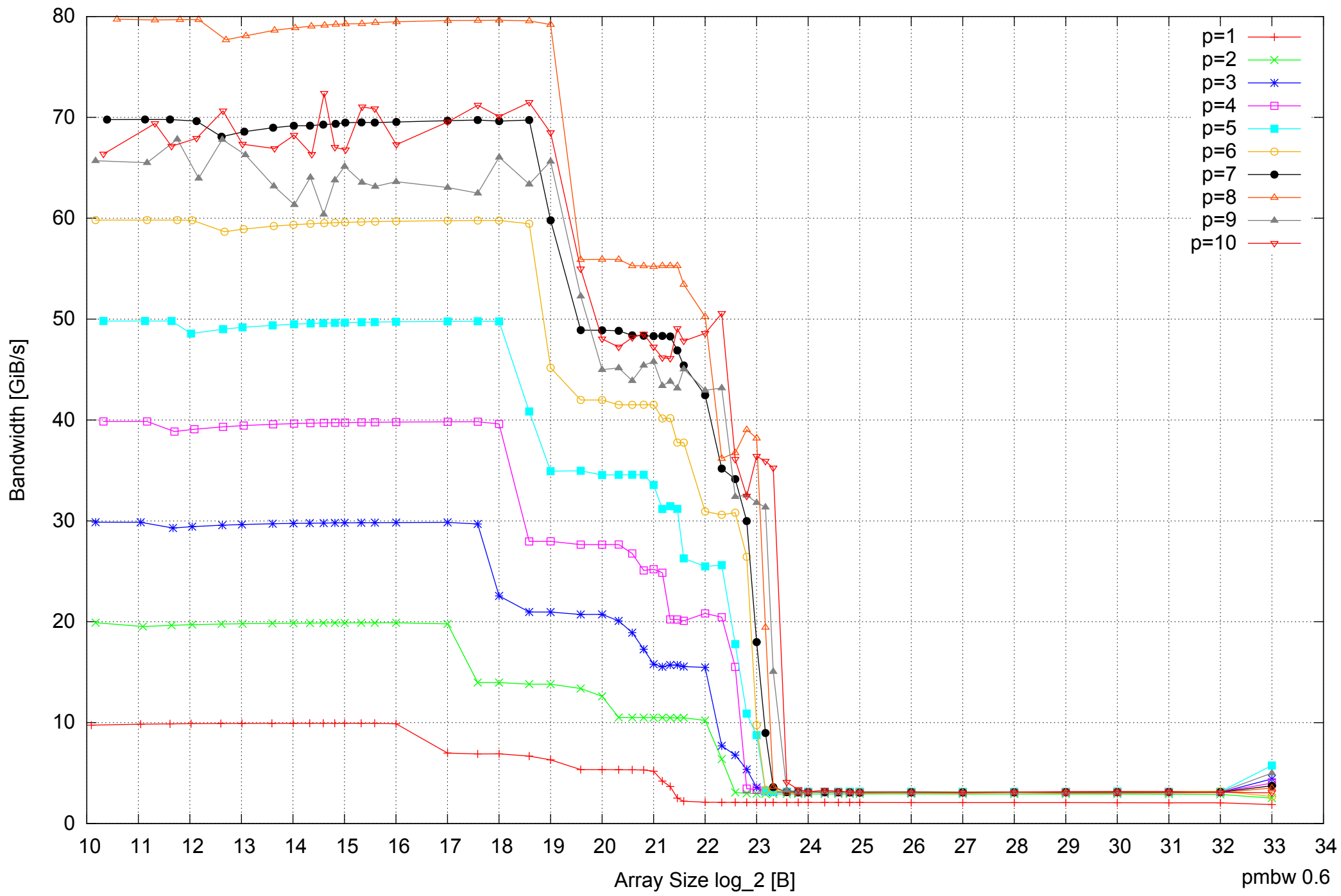


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop

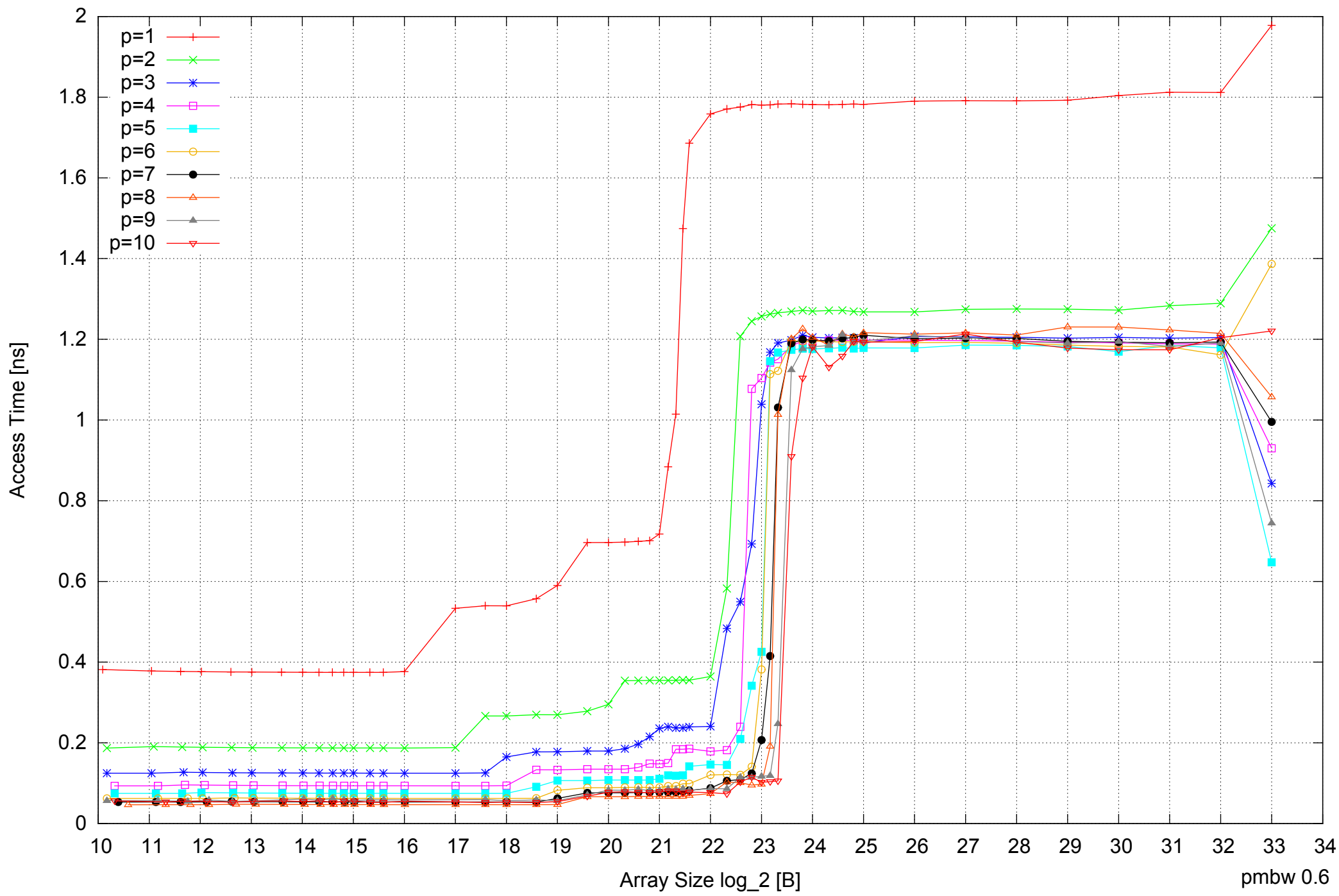




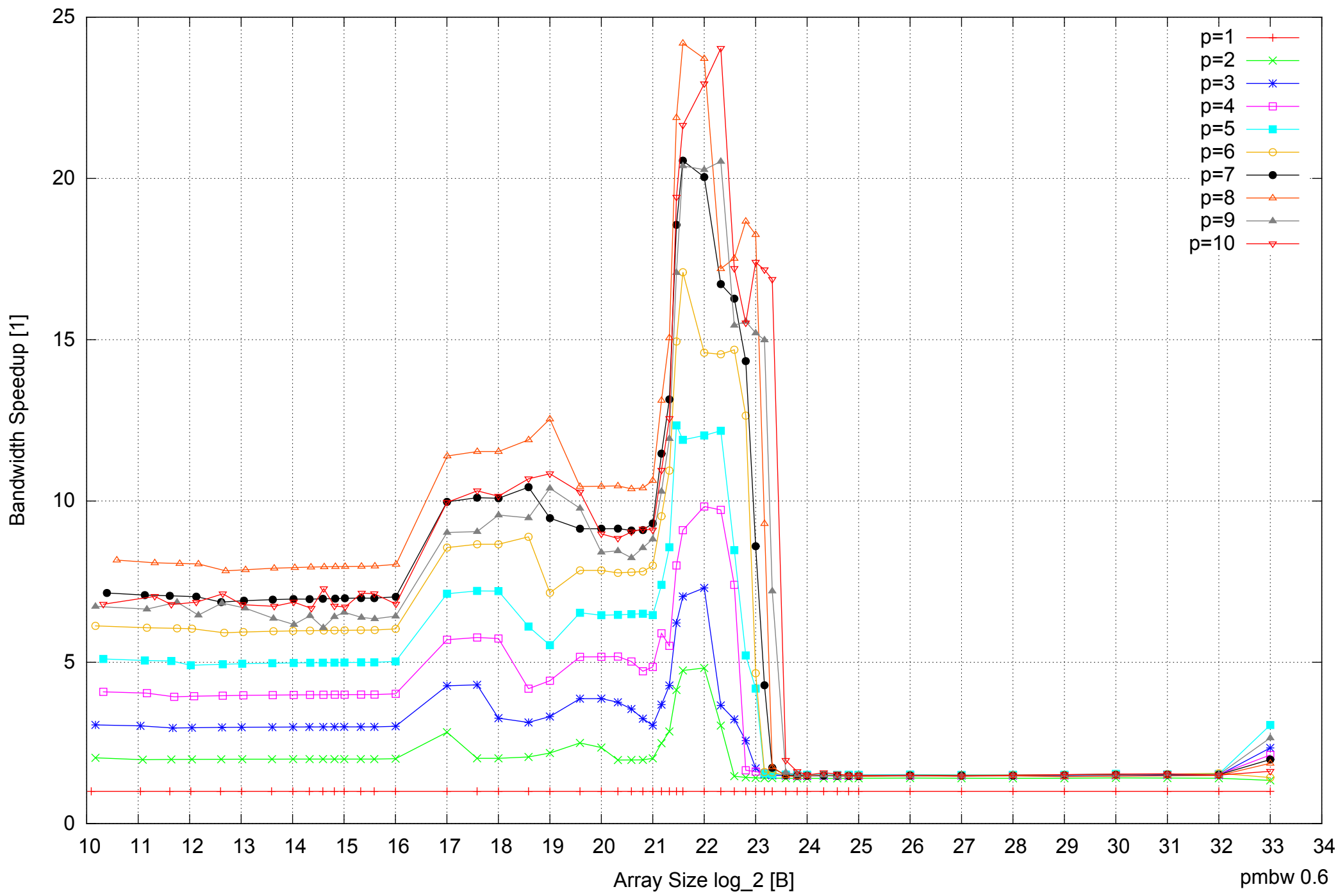
AMD Opteron 2350 16GB - Memory Bandwidth - ScanWrite32PtrUnrollLoop



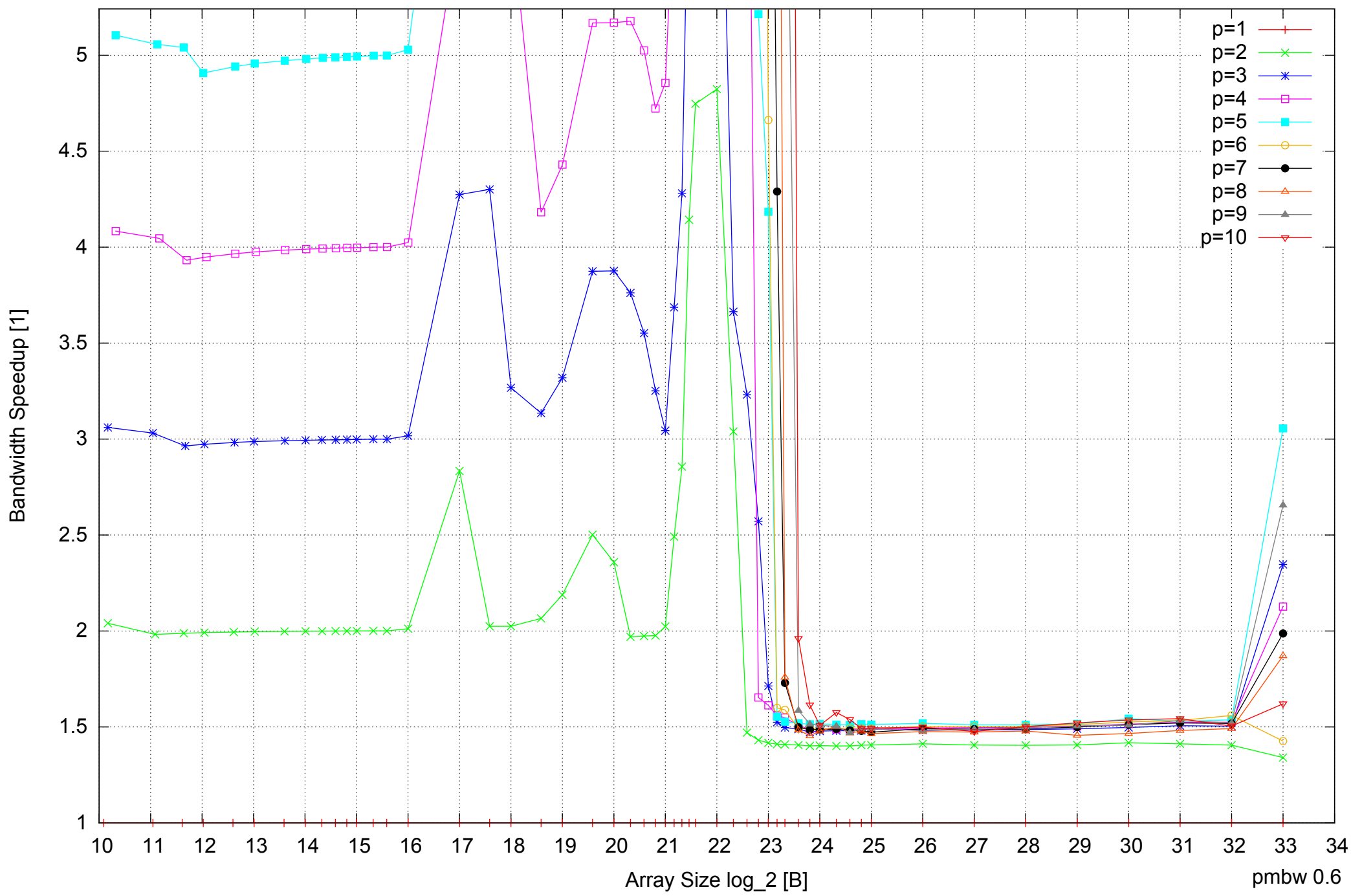
AMD Opteron 2350 16GB - Memory Latency - ScanWrite32PtrUnrollLoop



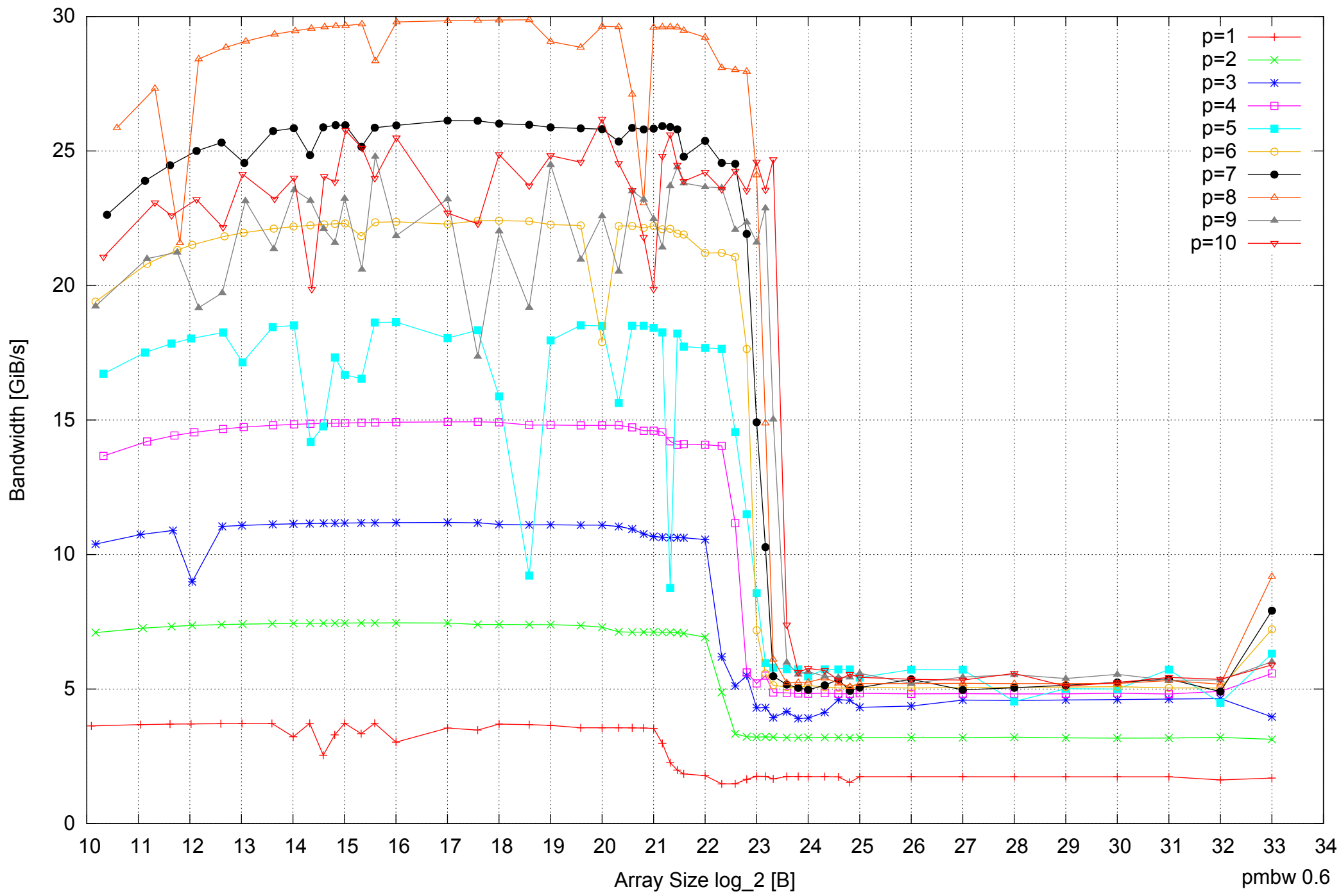
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanWrite32PtrUnrollLoop



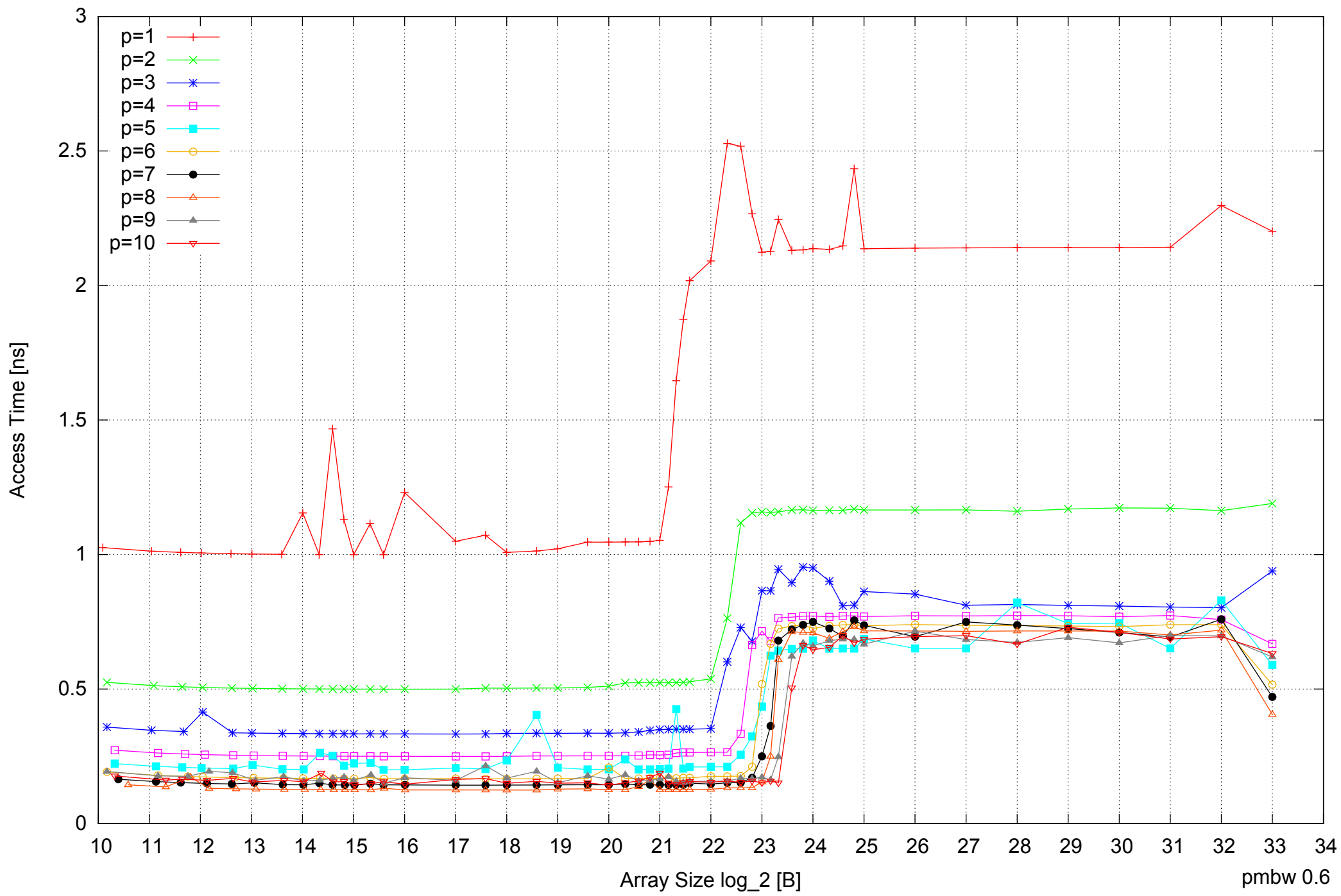
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop



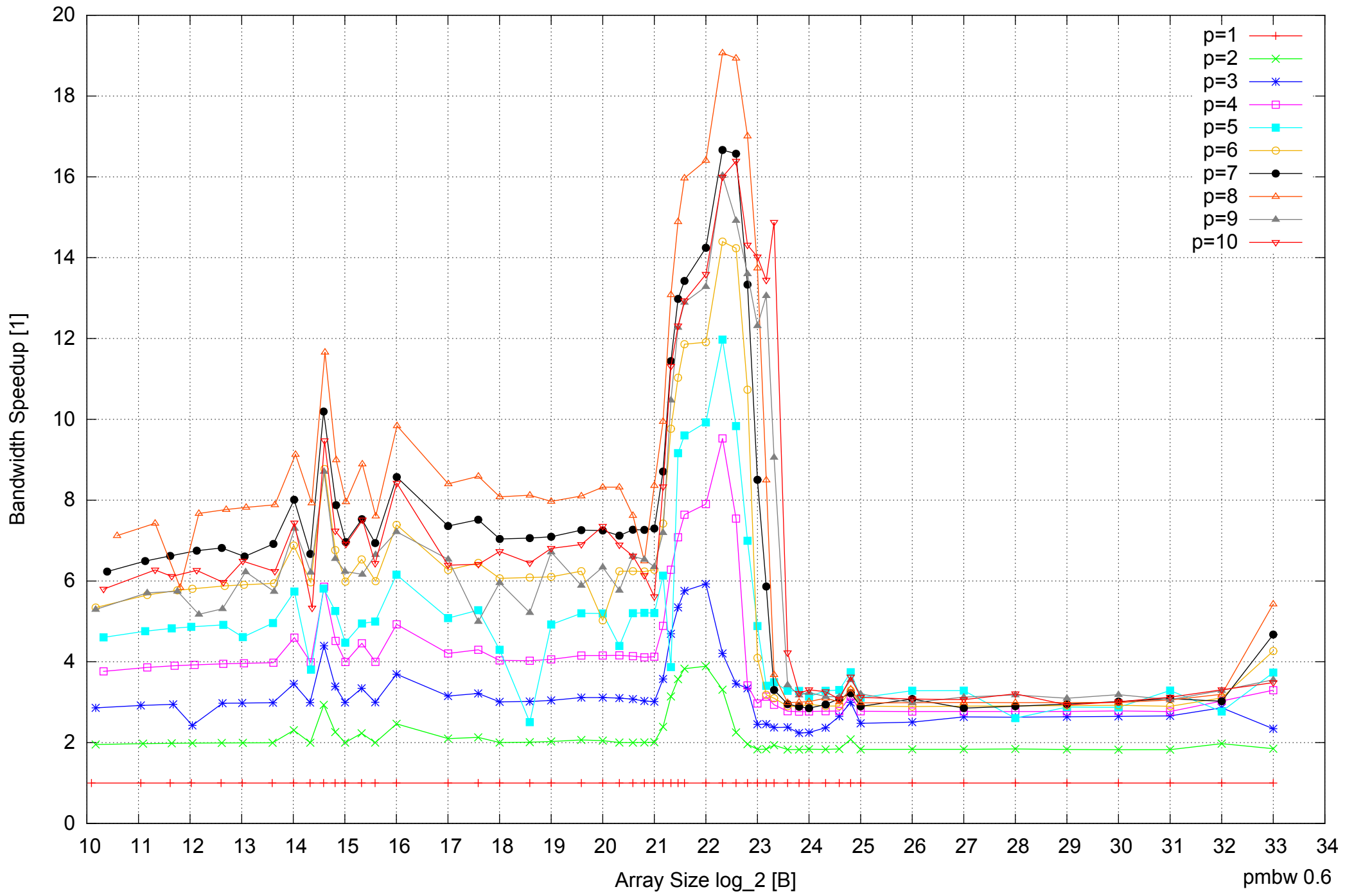
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead32PtrSimpleLoop



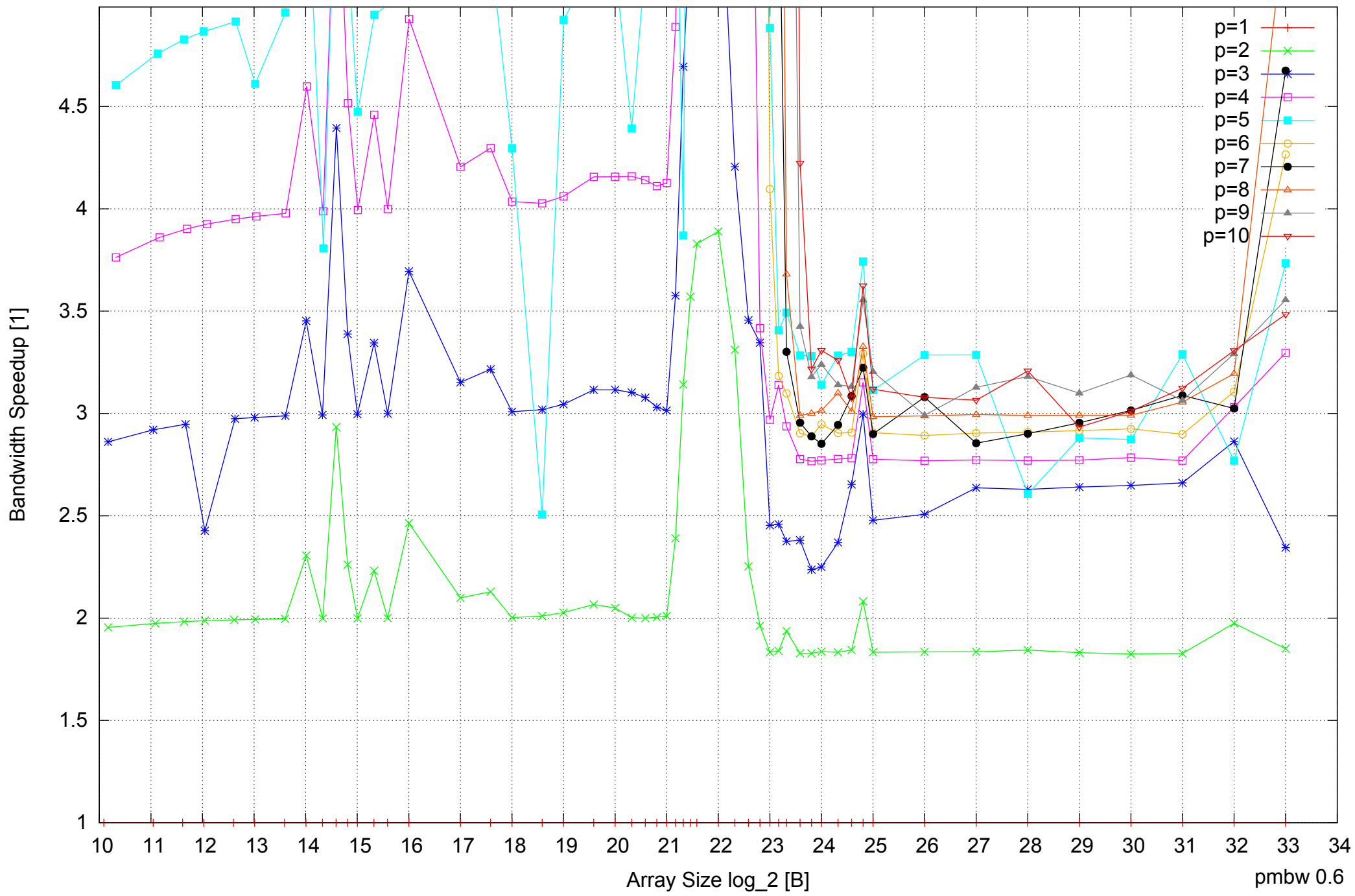
AMD Opteron 2350 16GB - Memory Latency - ScanRead32PtrSimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead32PtrSimpleLoop

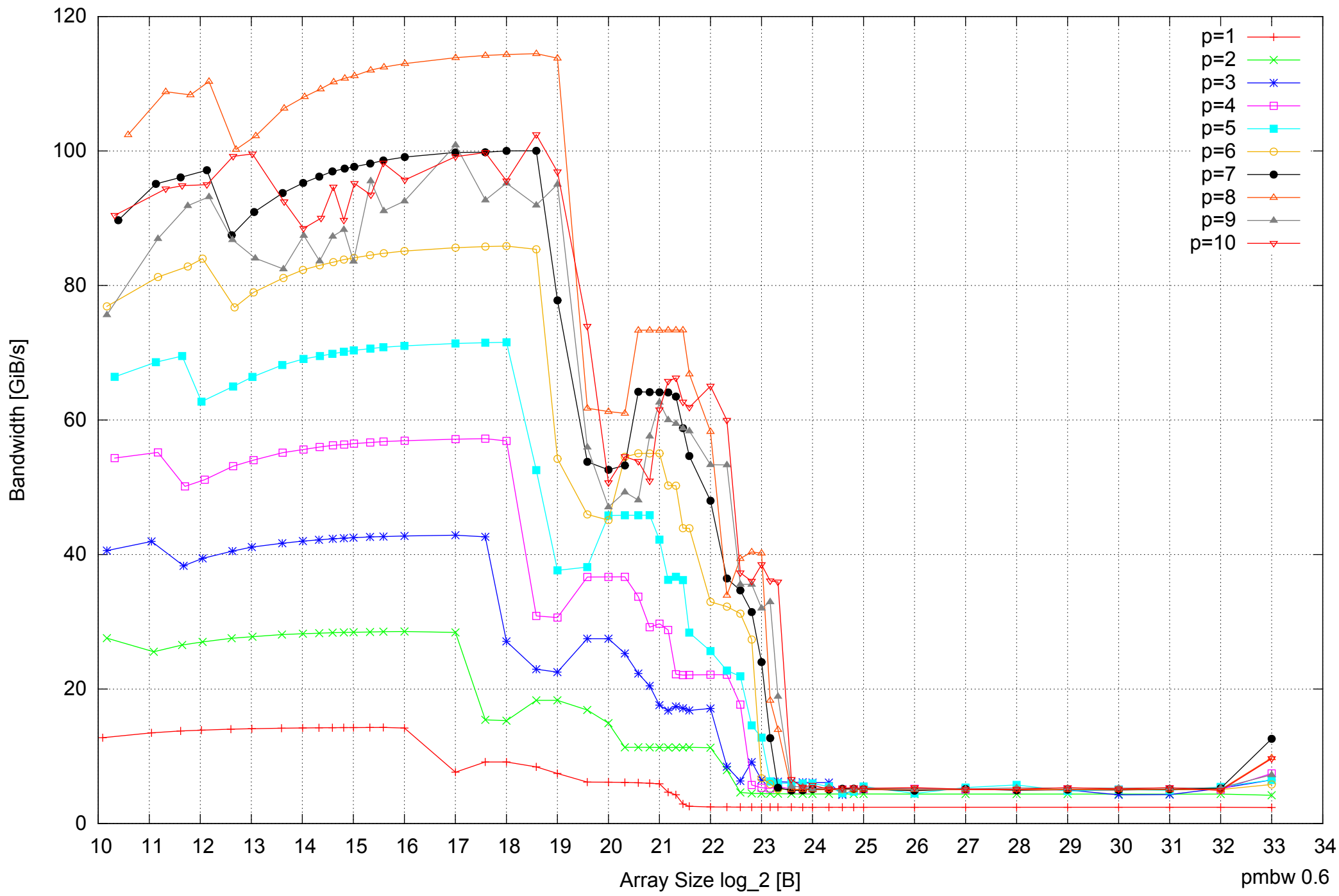


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead32PtrSimpleLoop

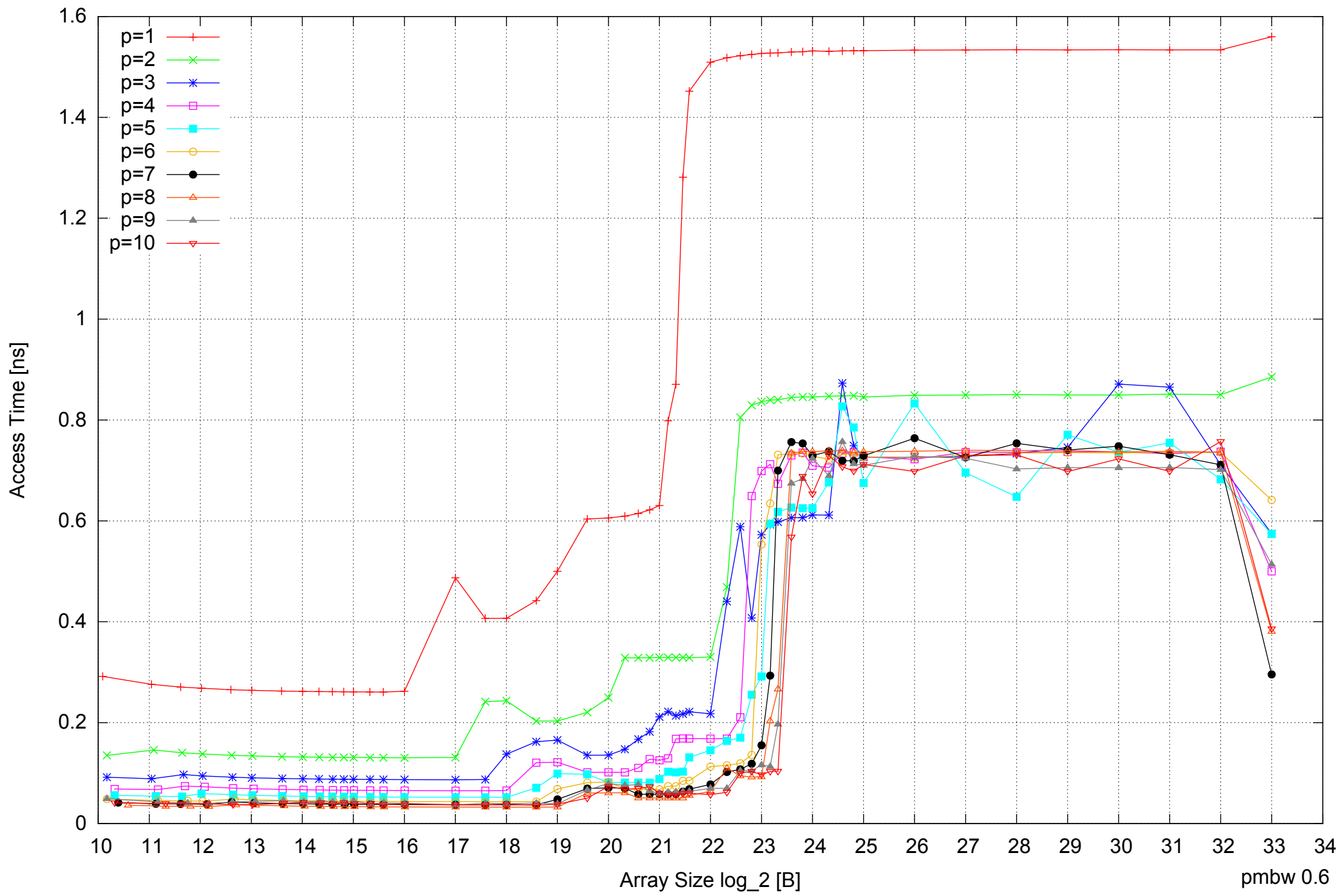




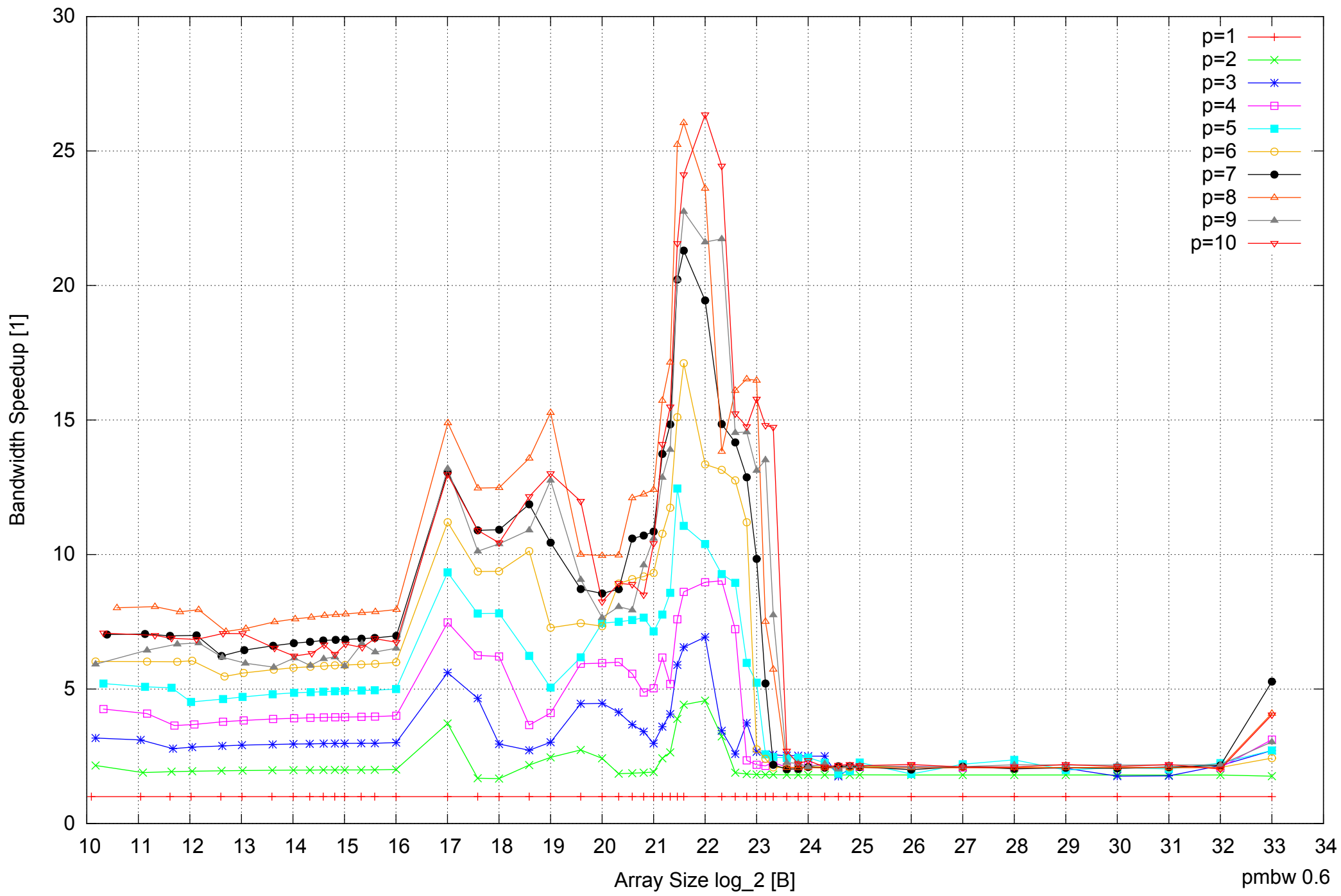
AMD Opteron 2350 16GB - Memory Bandwidth - ScanRead32PtrUnrollLoop



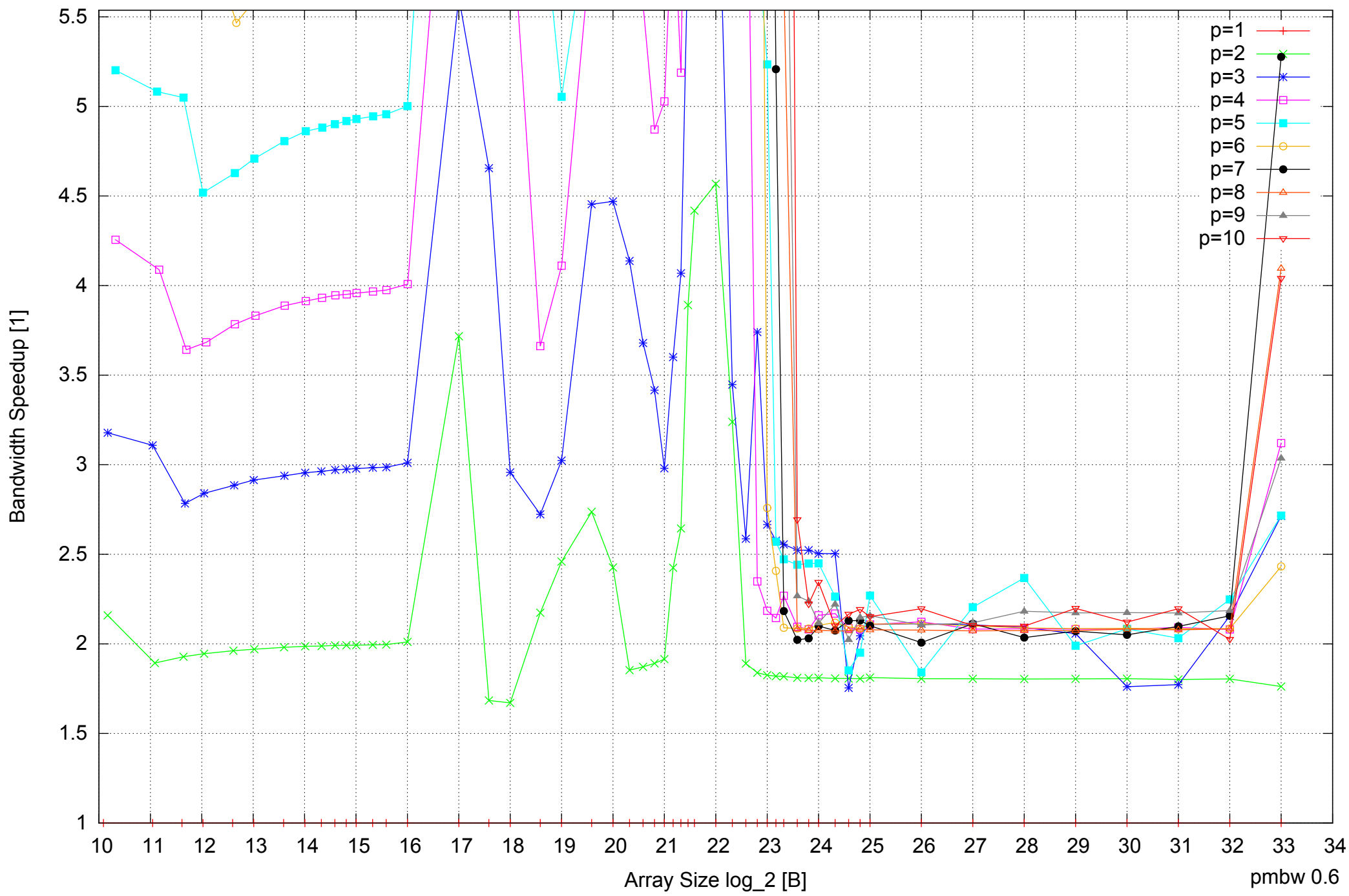
AMD Opteron 2350 16GB - Memory Latency - ScanRead32PtrUnrollLoop



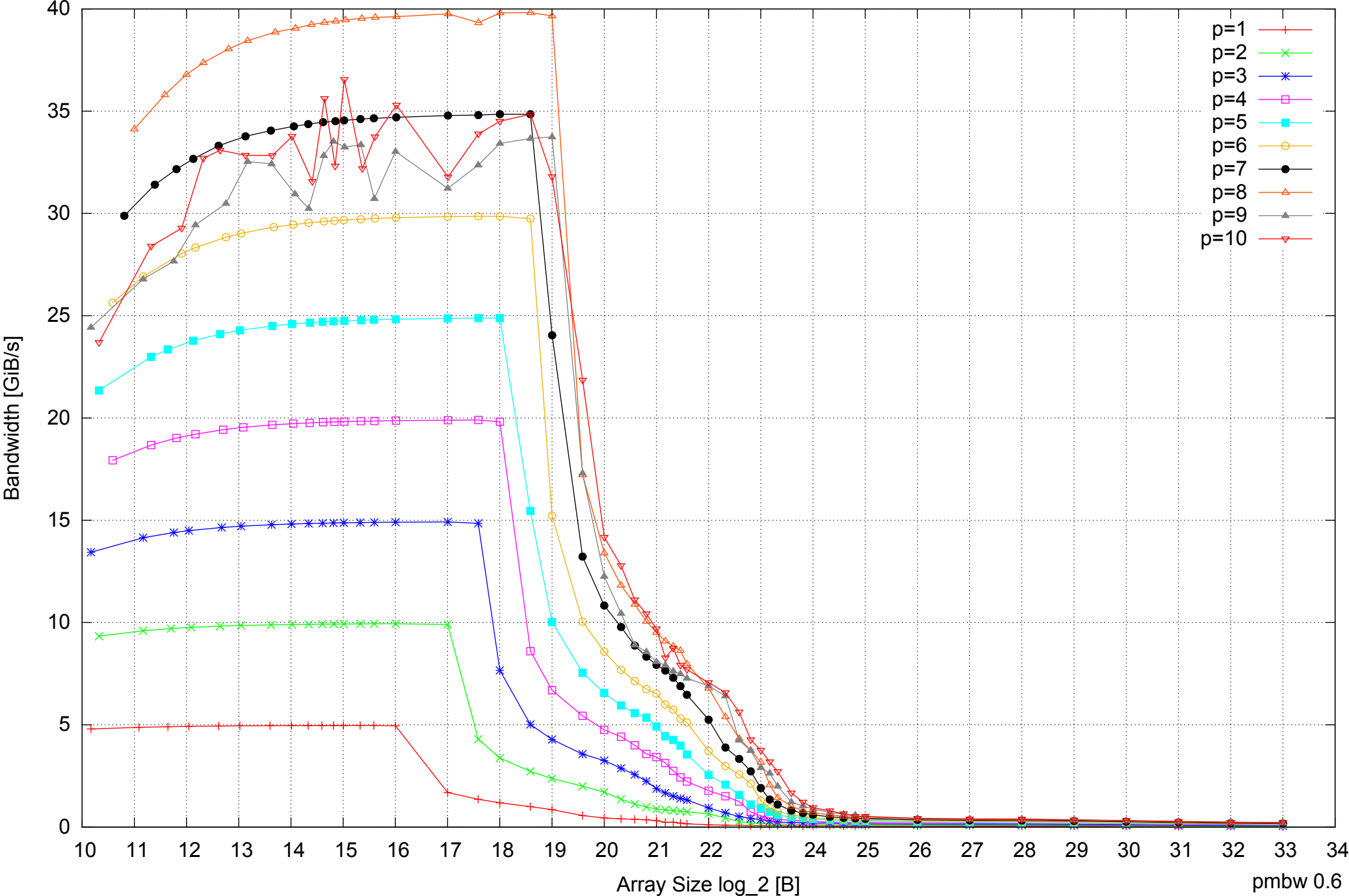
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - ScanRead32PtrUnrollLoop



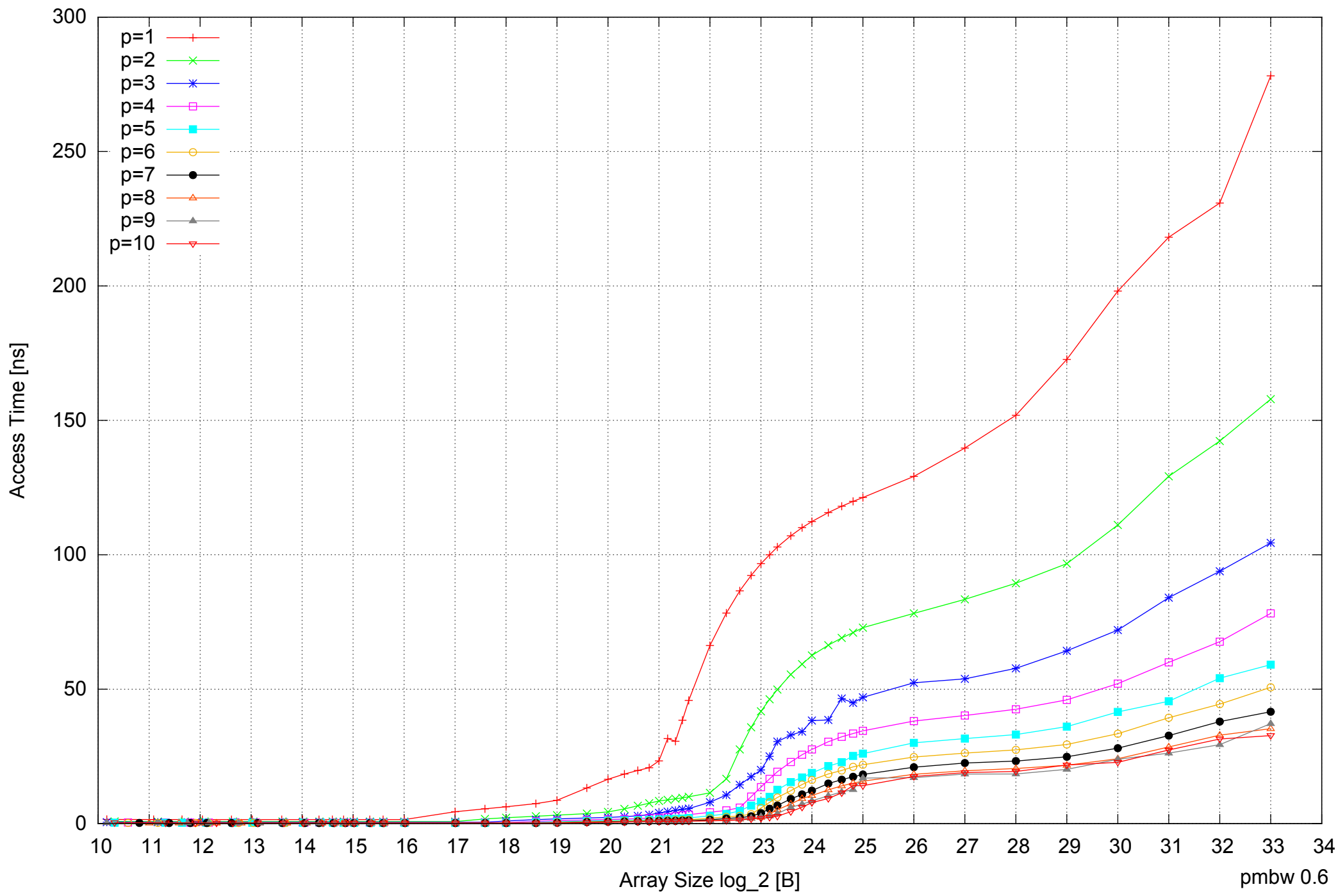
AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



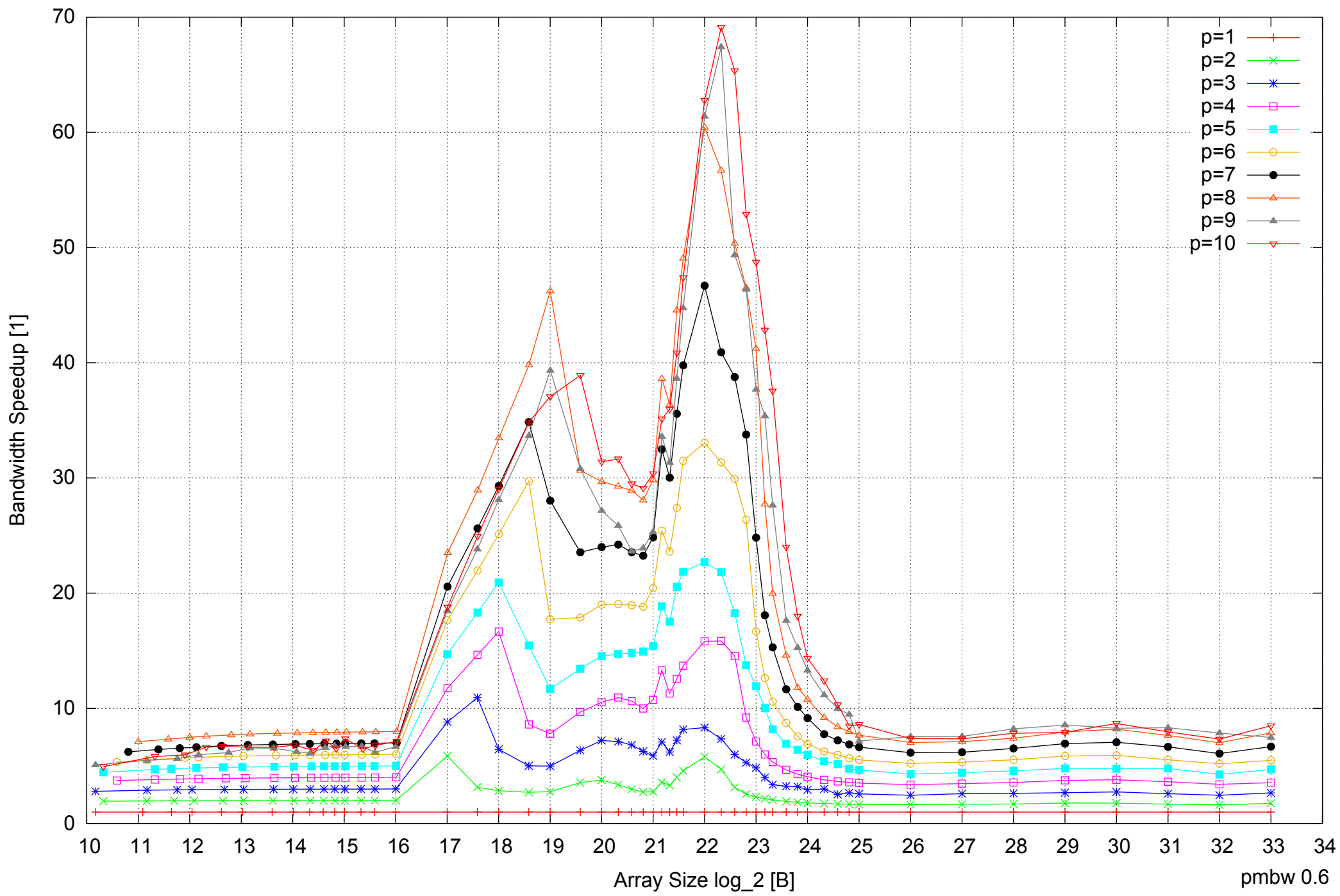
AMD Opteron 2350 16GB - Memory Bandwidth - PermRead64SimpleLoop



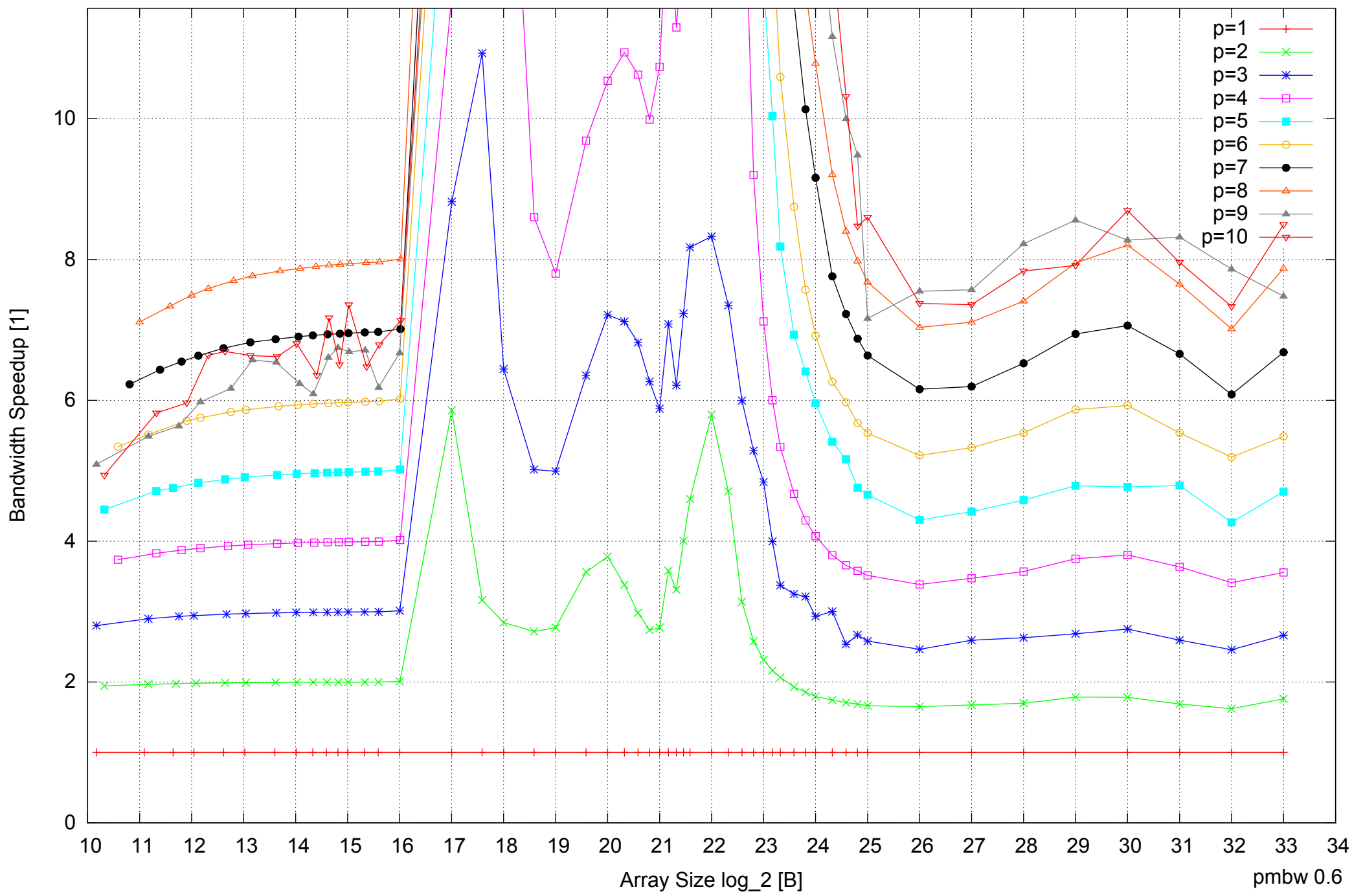
AMD Opteron 2350 16GB - Memory Latency - PermRead64SimpleLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - PermRead64SimpleLoop

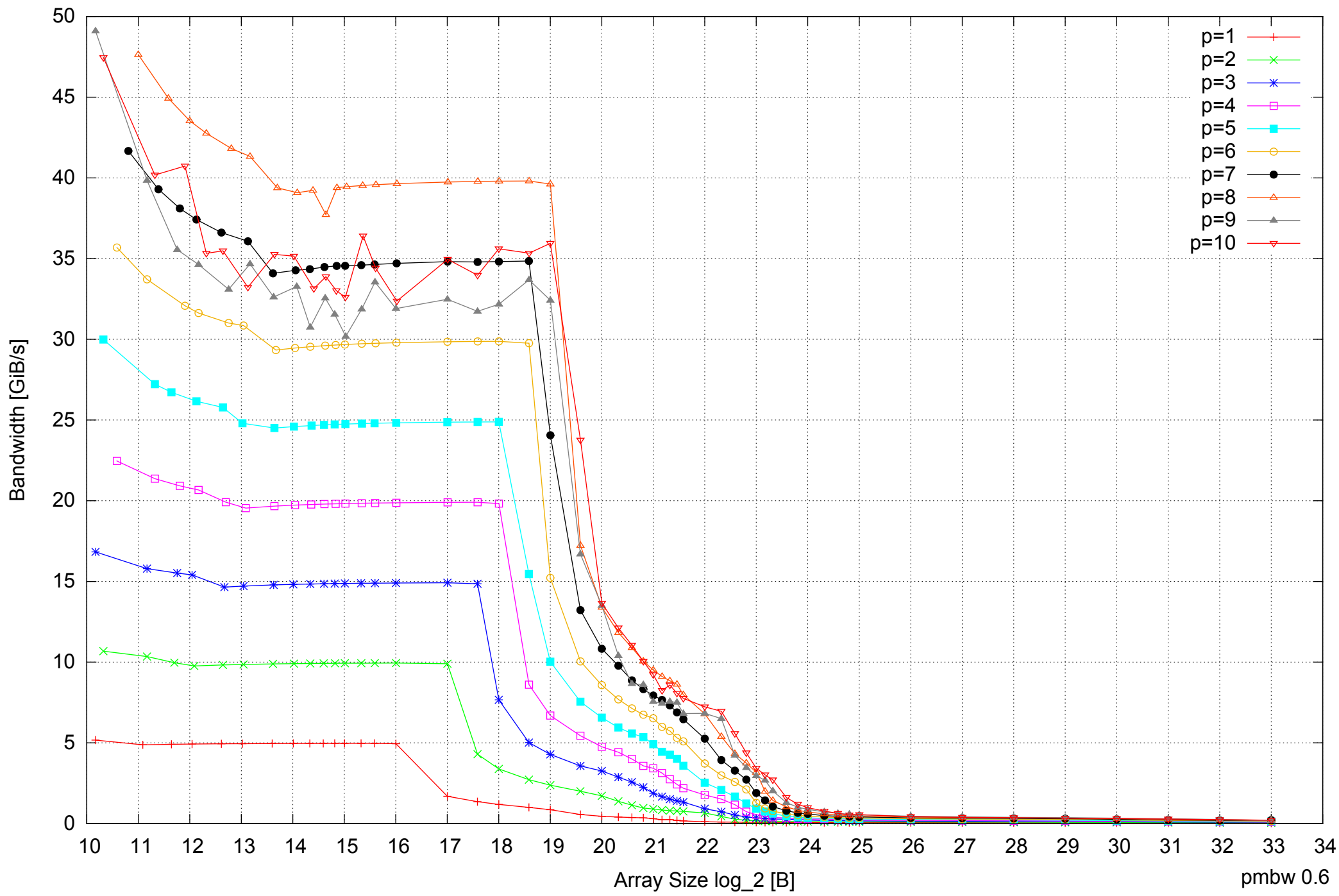


AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - PermRead64SimpleLoop

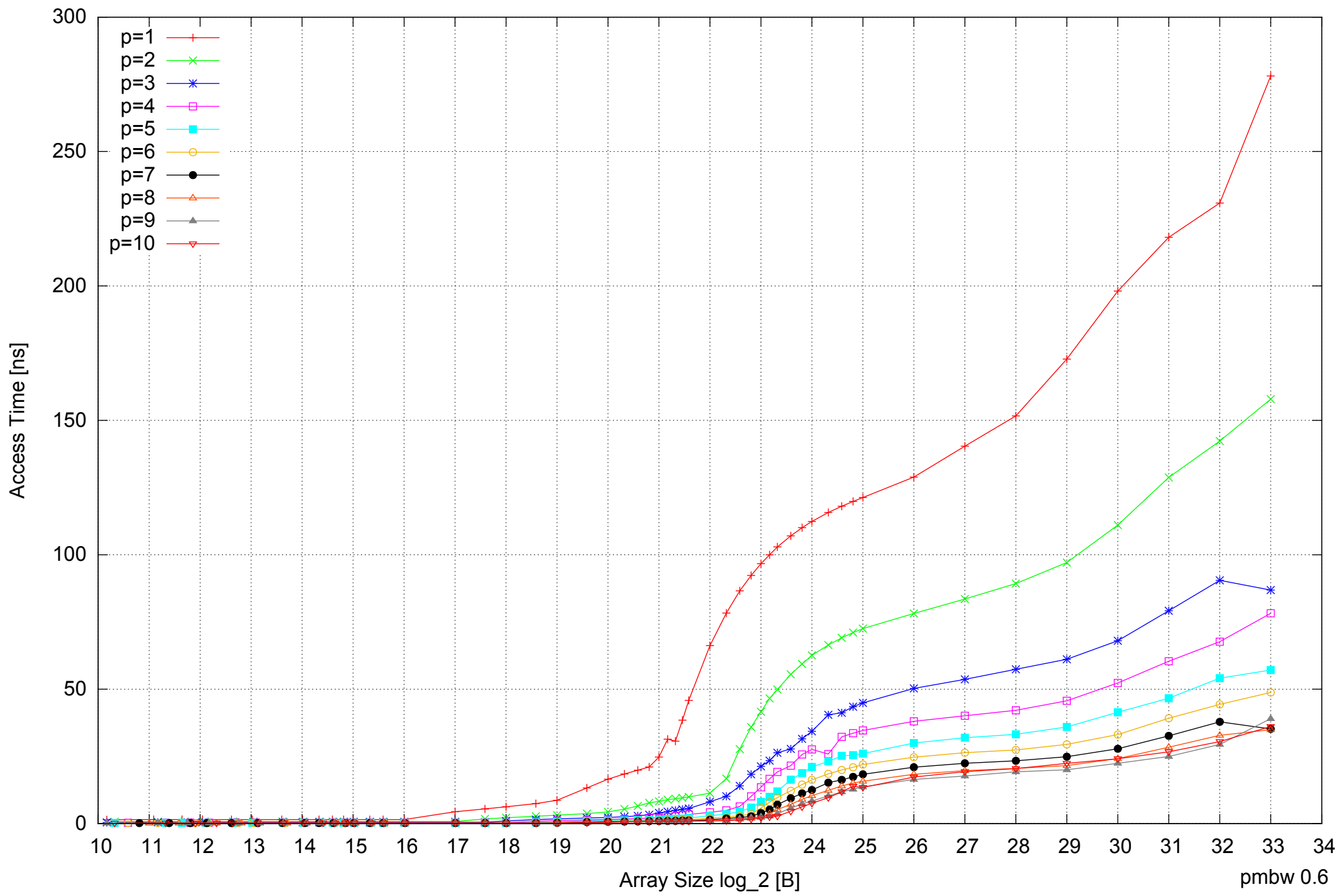




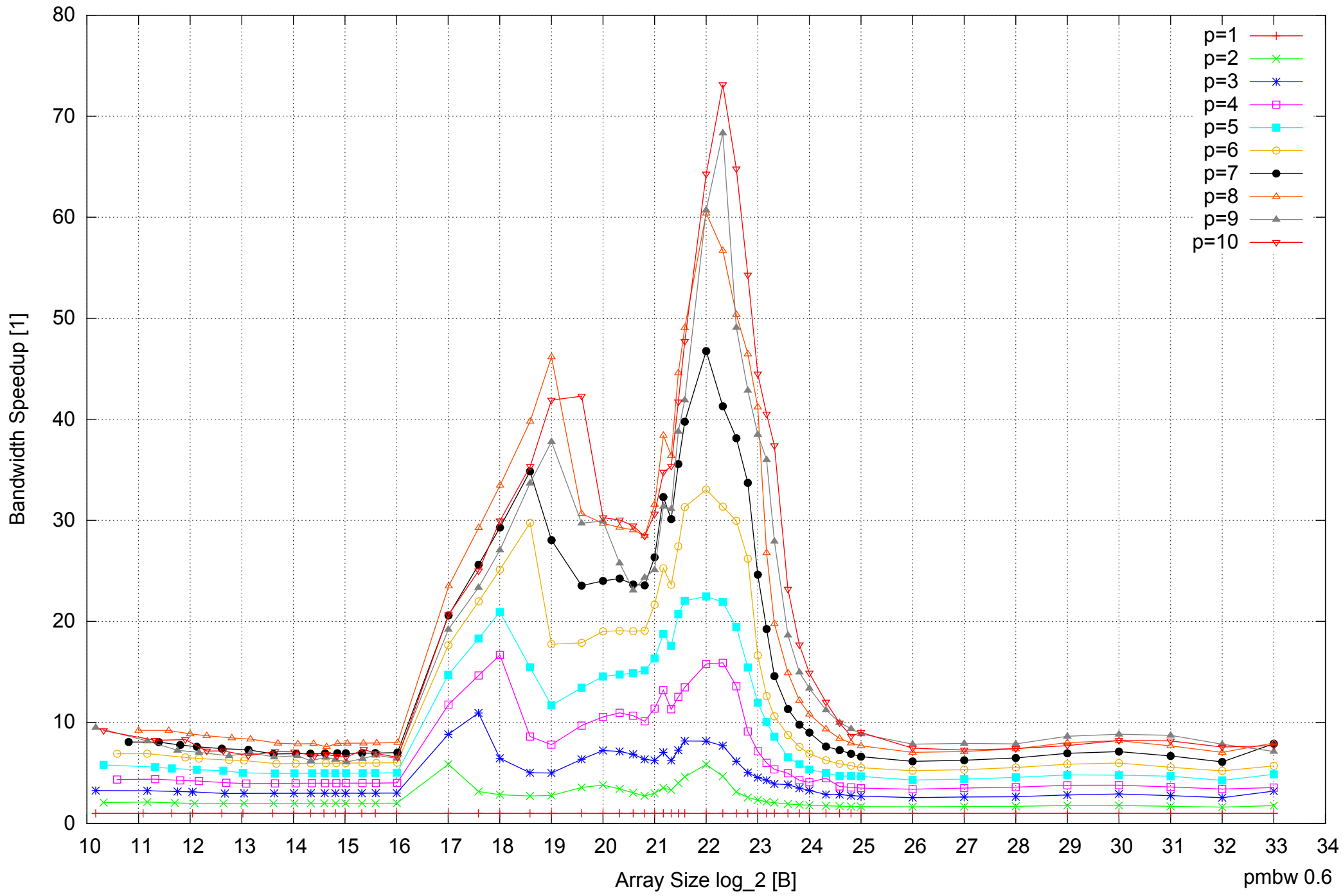
AMD Opteron 2350 16GB - Memory Bandwidth - PermRead64UnrollLoop



AMD Opteron 2350 16GB - Memory Latency - PermRead64UnrollLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth - PermRead64UnrollLoop



AMD Opteron 2350 16GB - Speedup of Memory Bandwidth (enlarged) - PermRead64UnrollLoop

