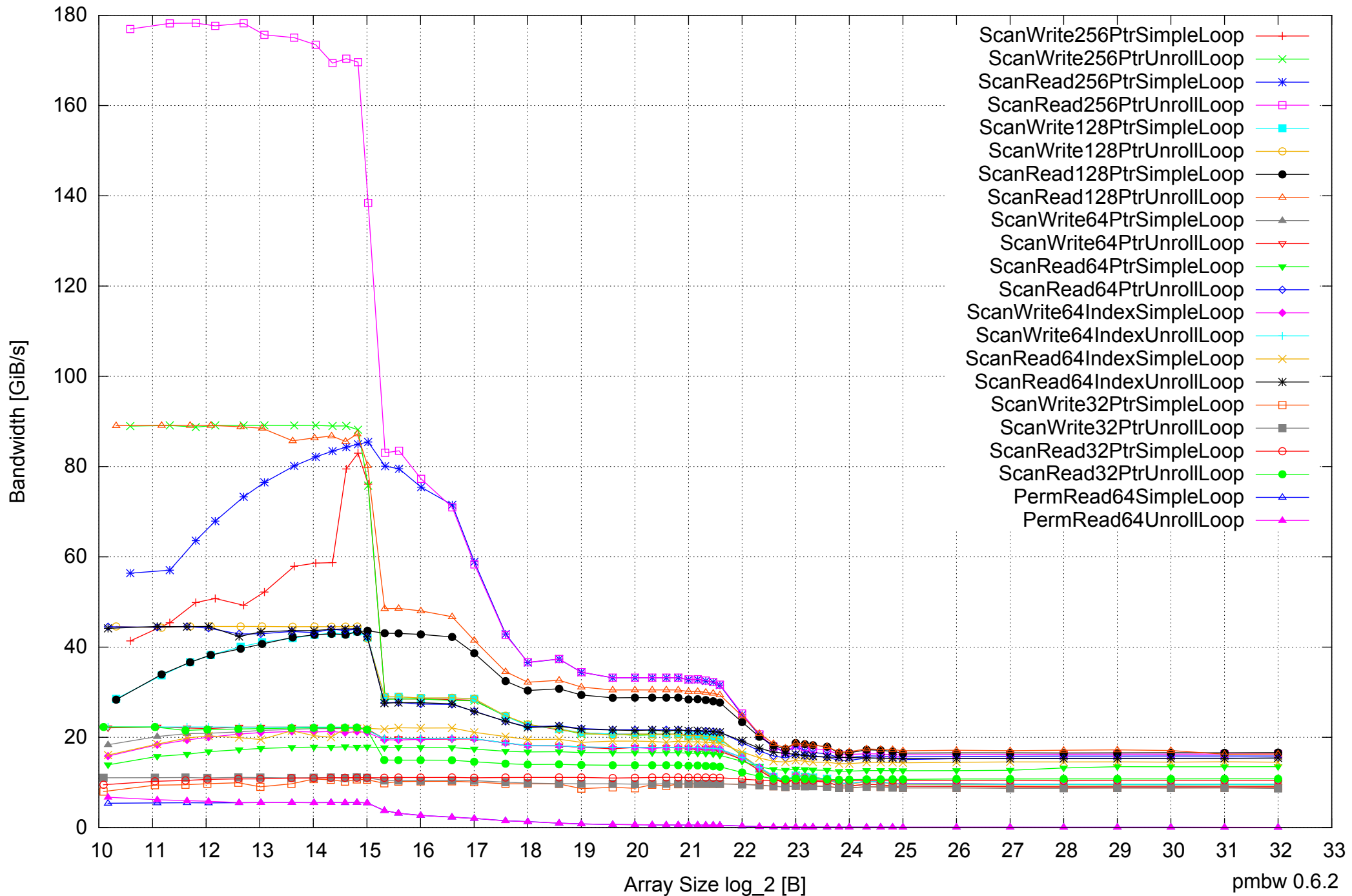
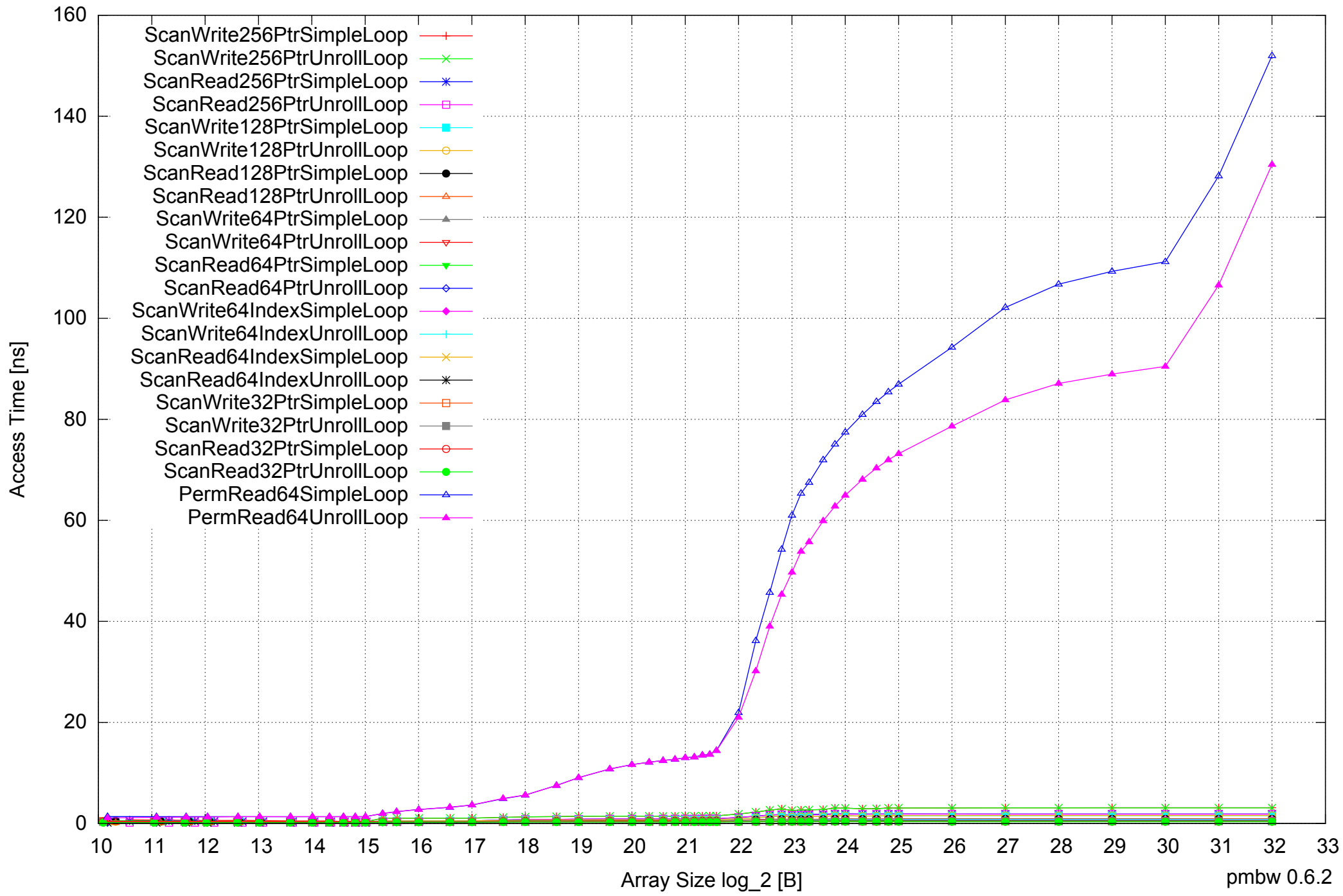


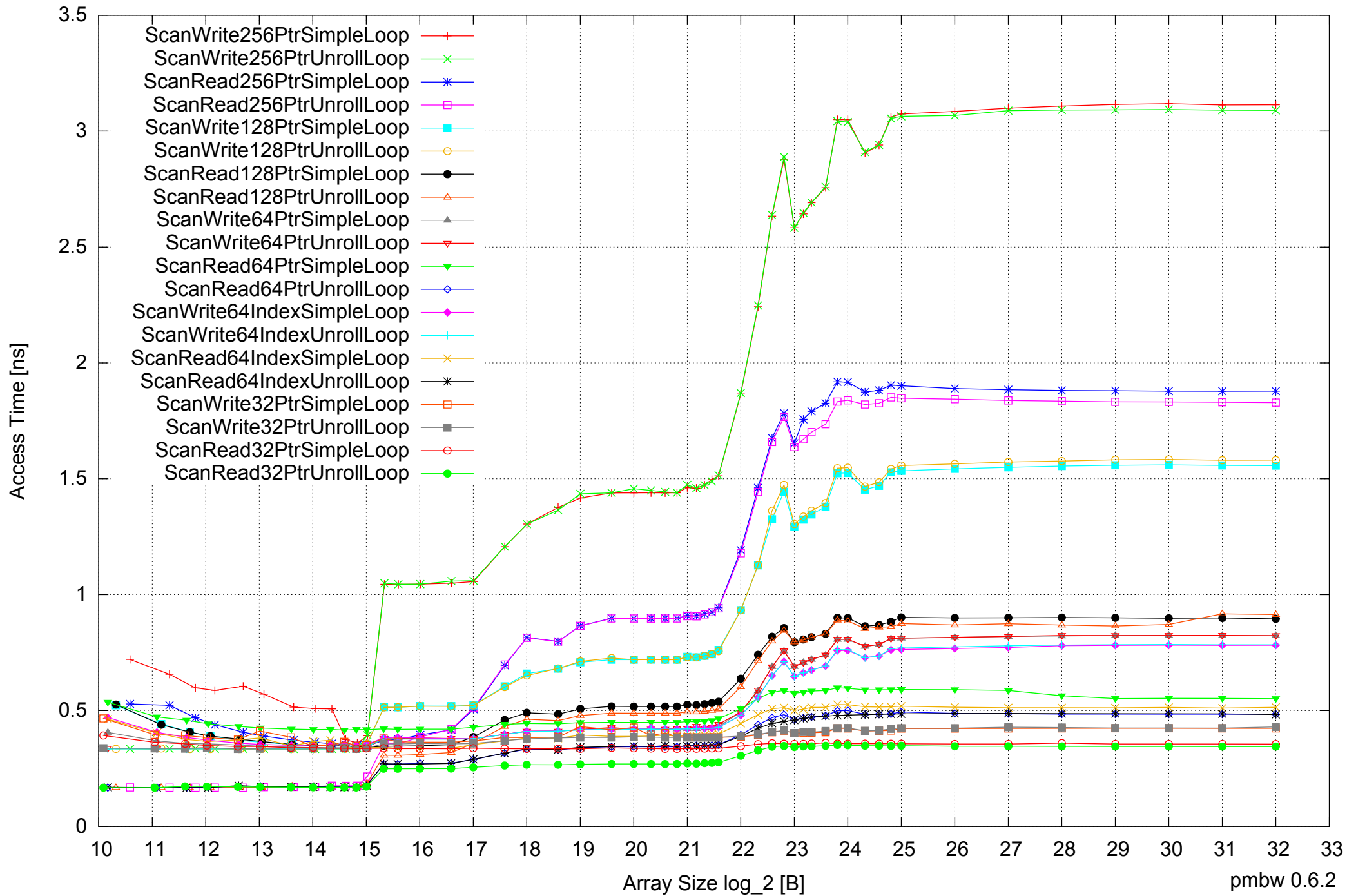
Intel Core i7-4500U 8GB - One Thread Memory Bandwidth



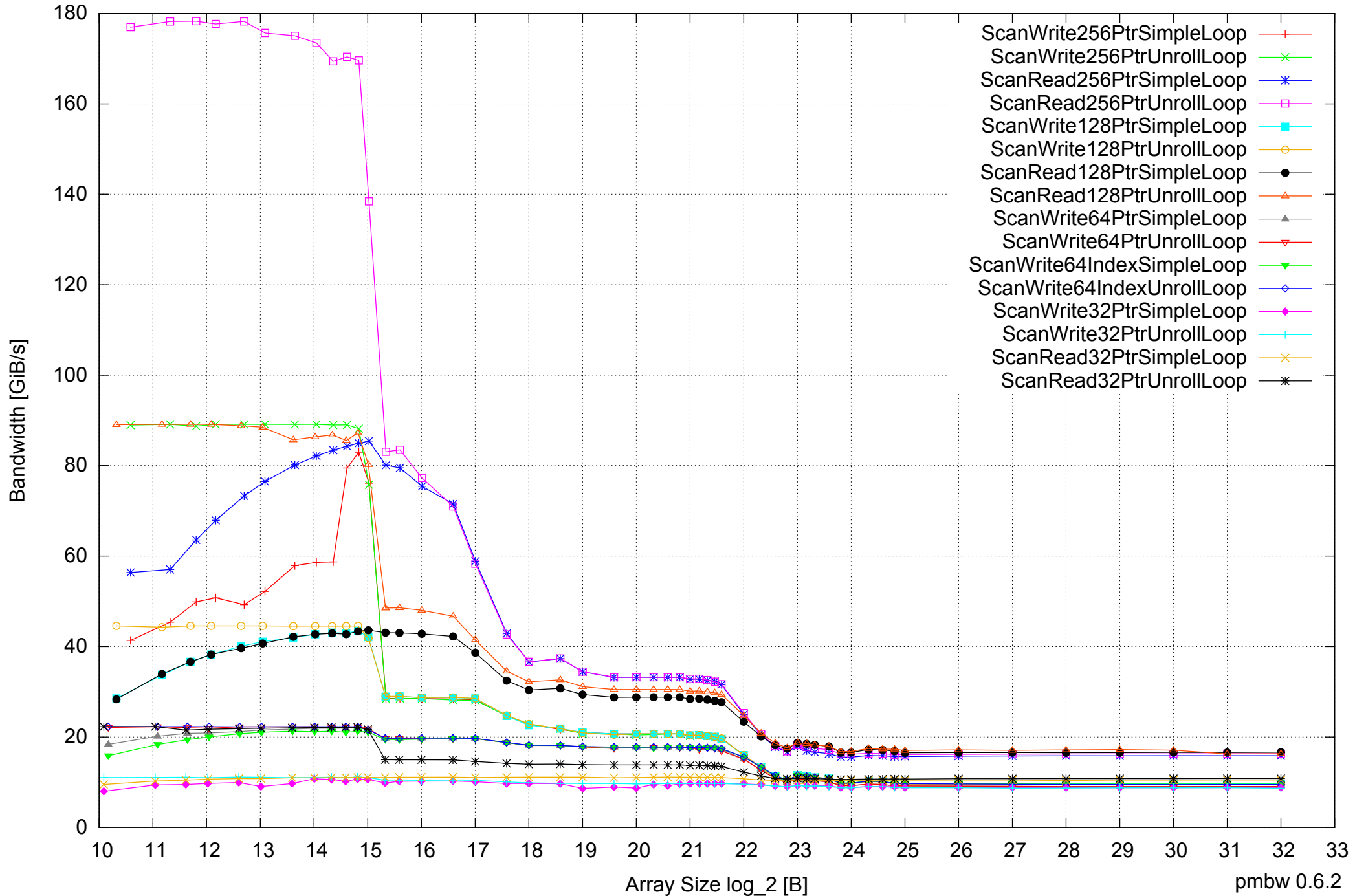
Intel Core i7-4500U 8GB - One Thread Memory Latency (Access Time)



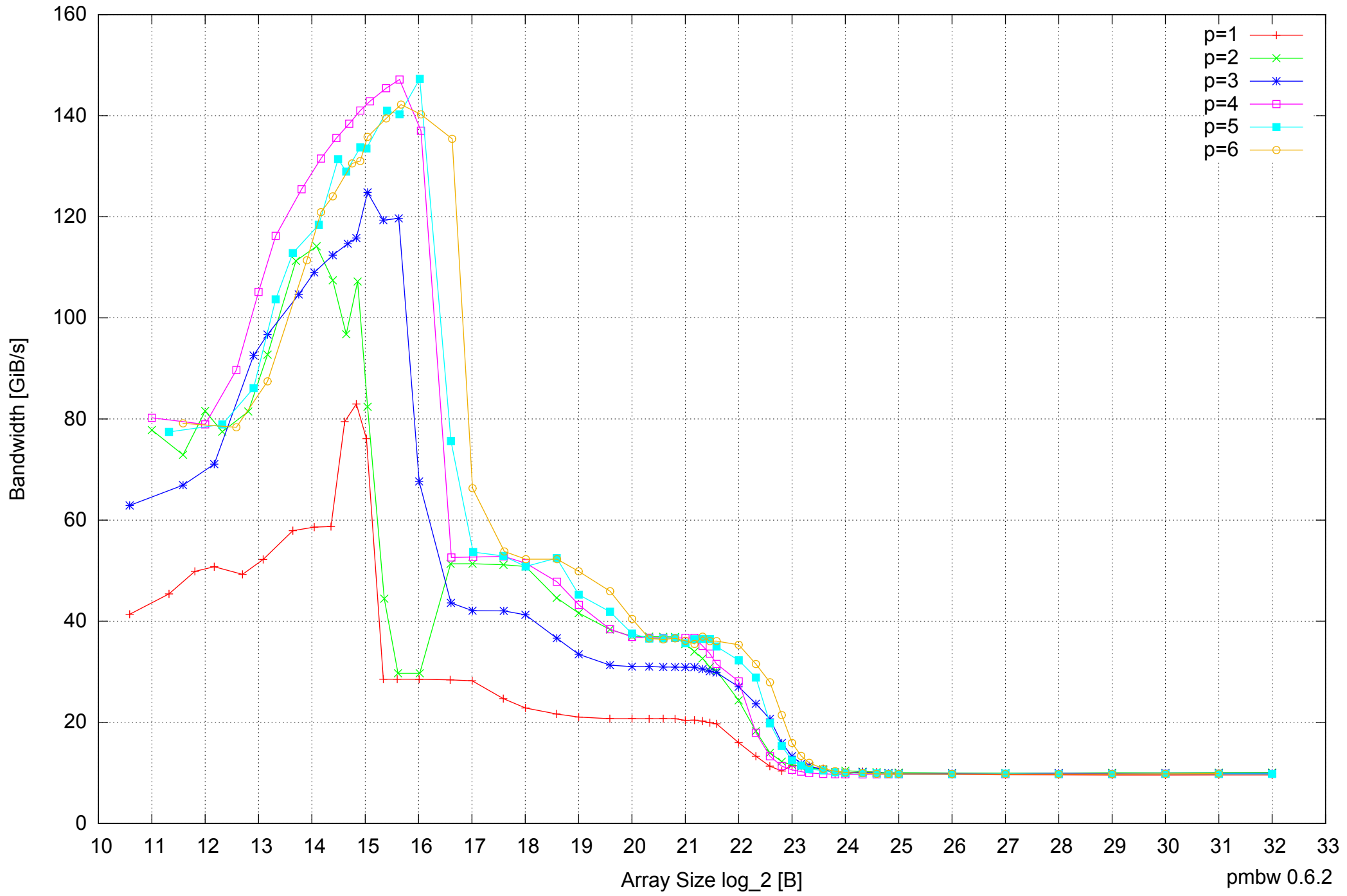
Intel Core i7-4500U 8GB - One Thread Memory Latency (excluding Permutation)



Intel Core i7-4500U 8GB - One Thread Memory Bandwidth (only 64-bit Reads)



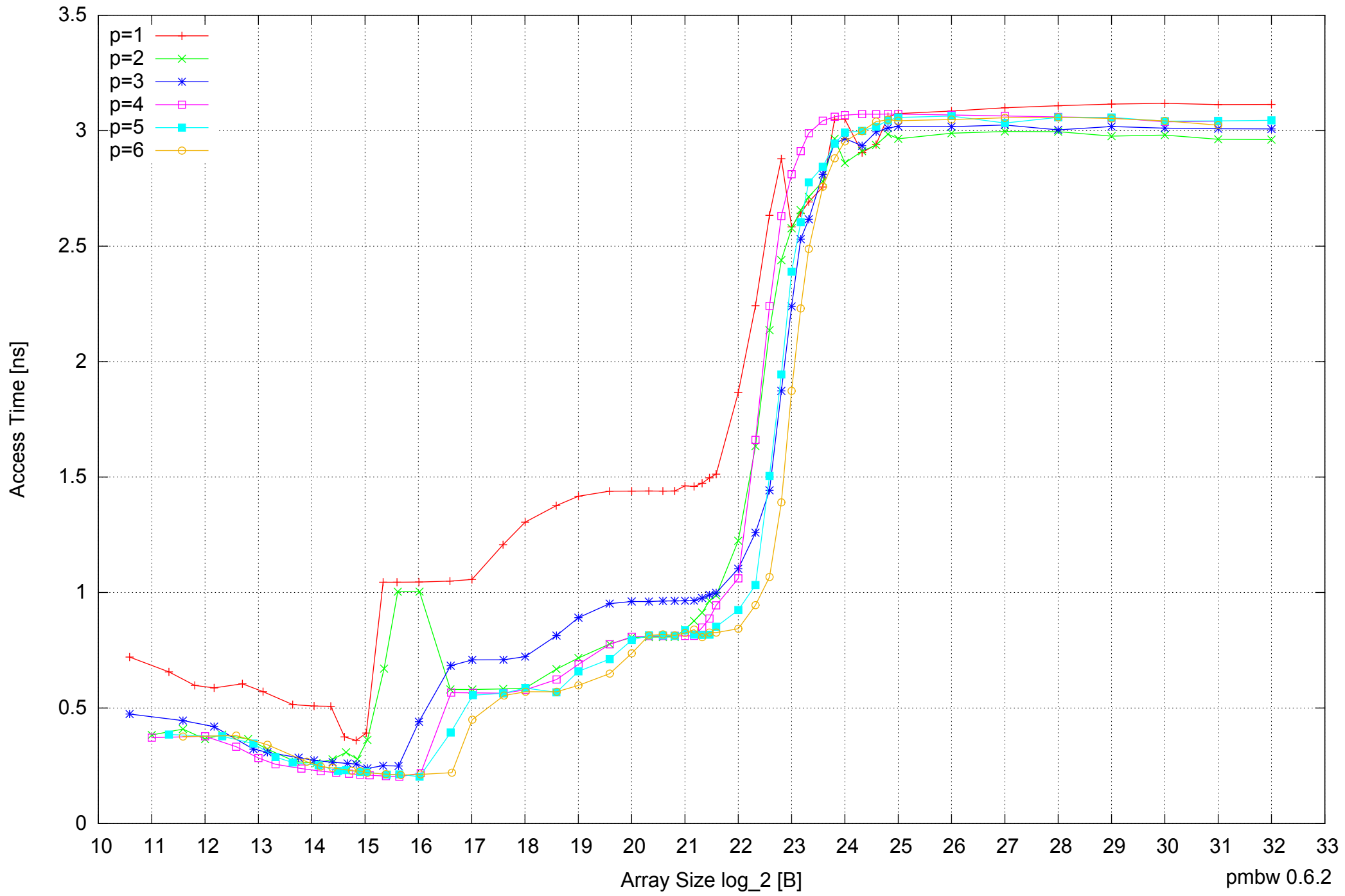
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite256PtrSimpleLoop



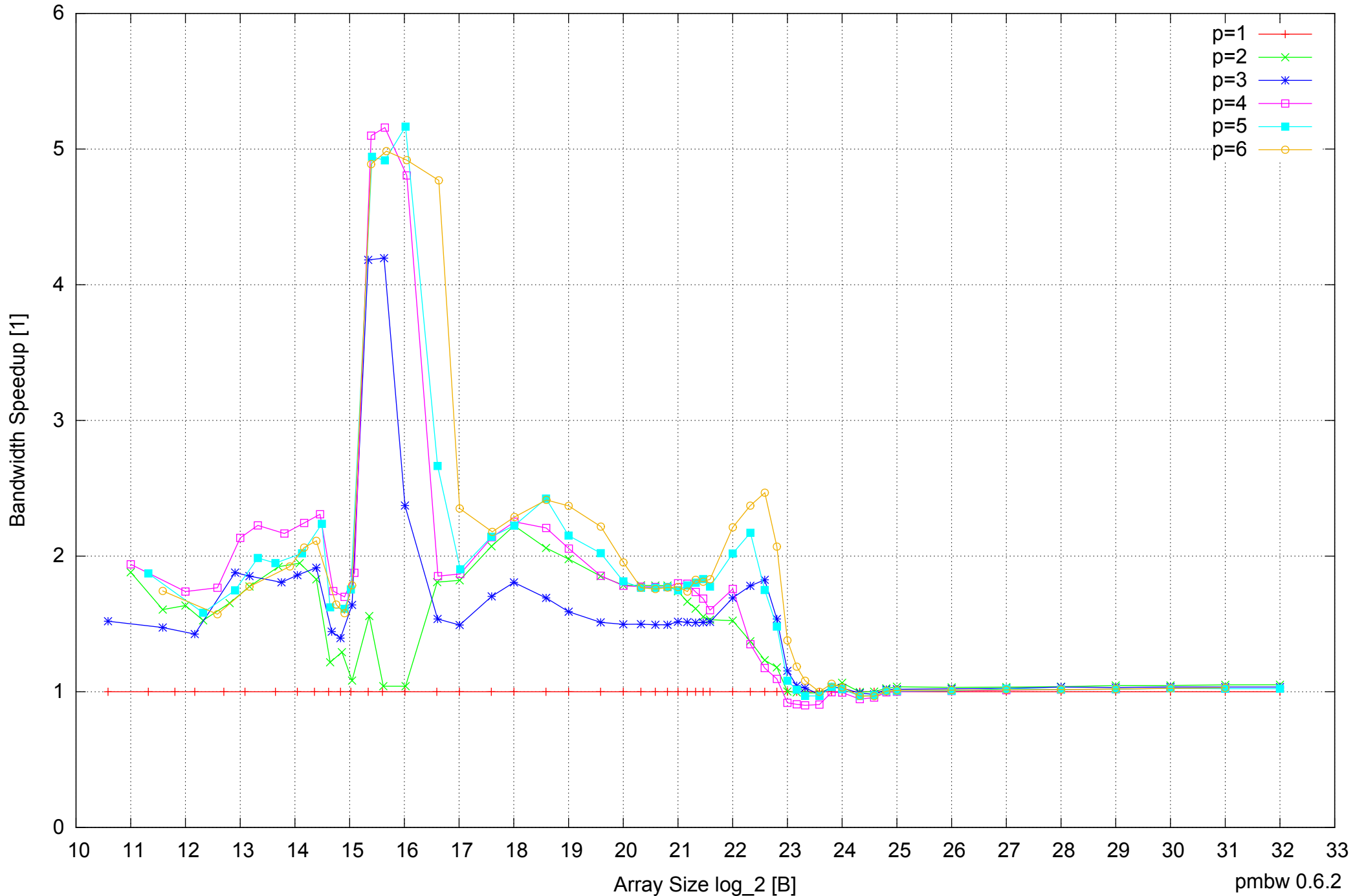
p=1  
p=2  
p=3  
p=4  
p=5  
p=6

Array Size log<sub>2</sub> [B] pmbw 0.6.2

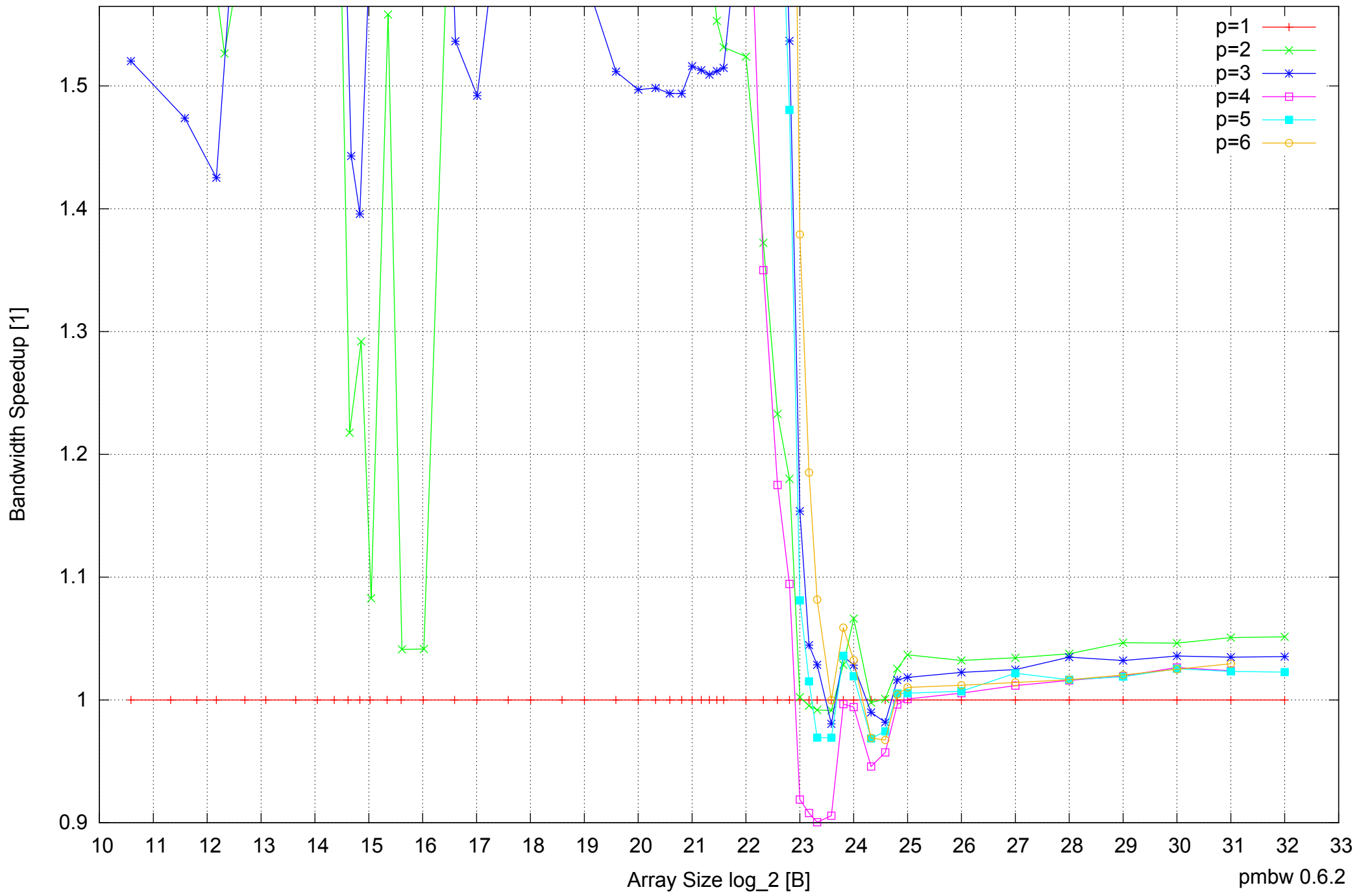
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite256PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite256PtrSimpleLoop

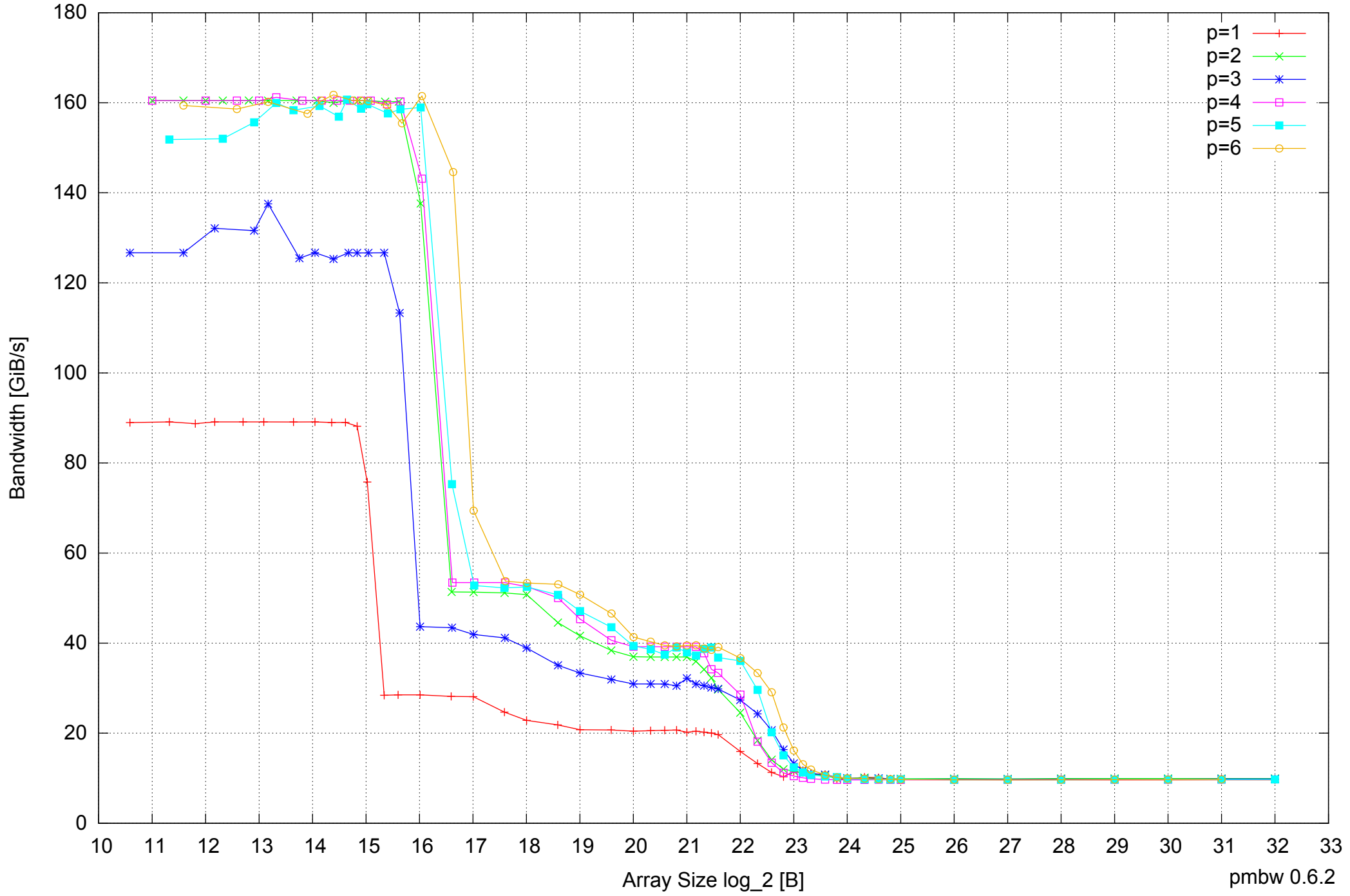


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite256PtrSimpleLoop

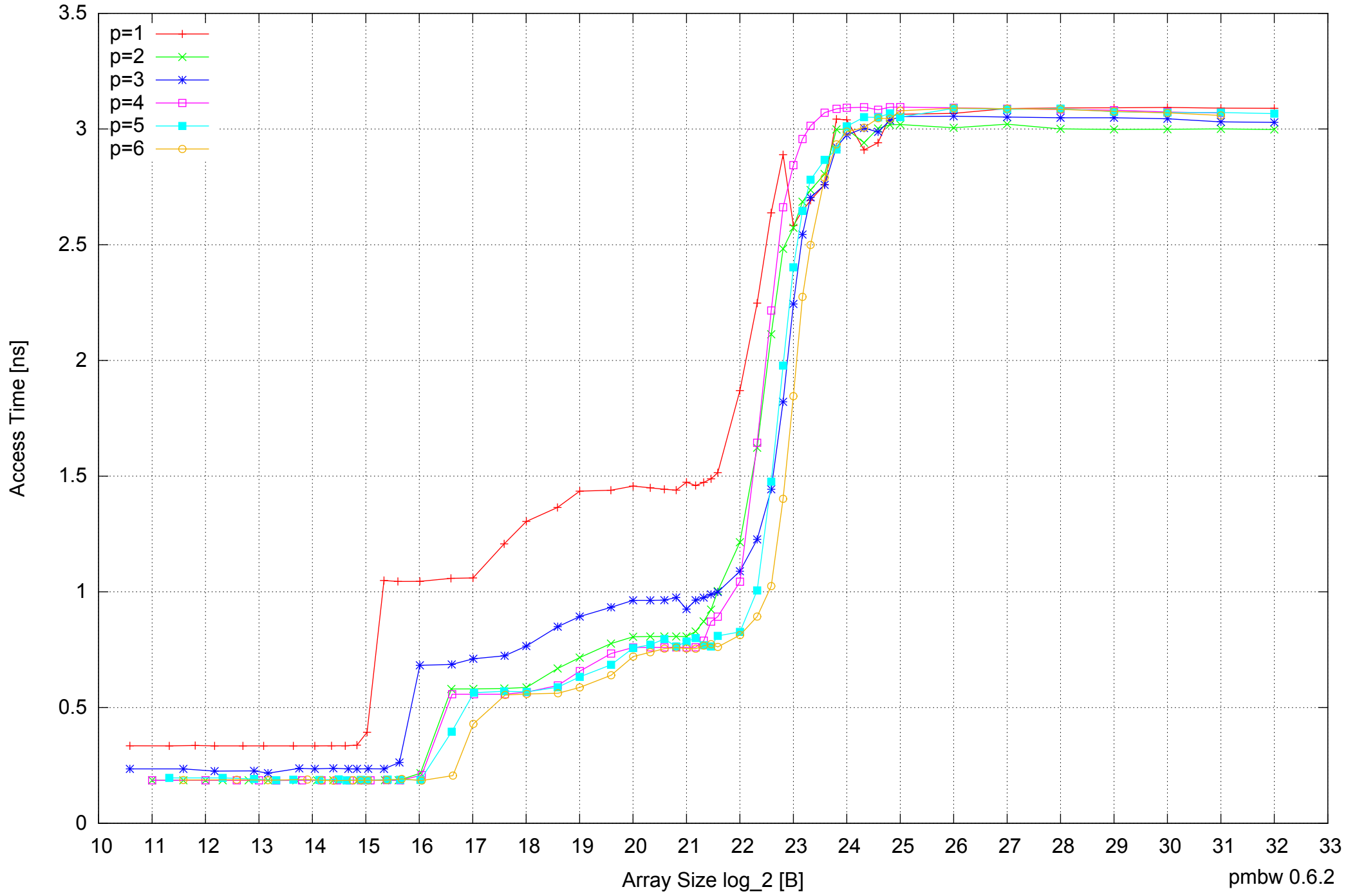




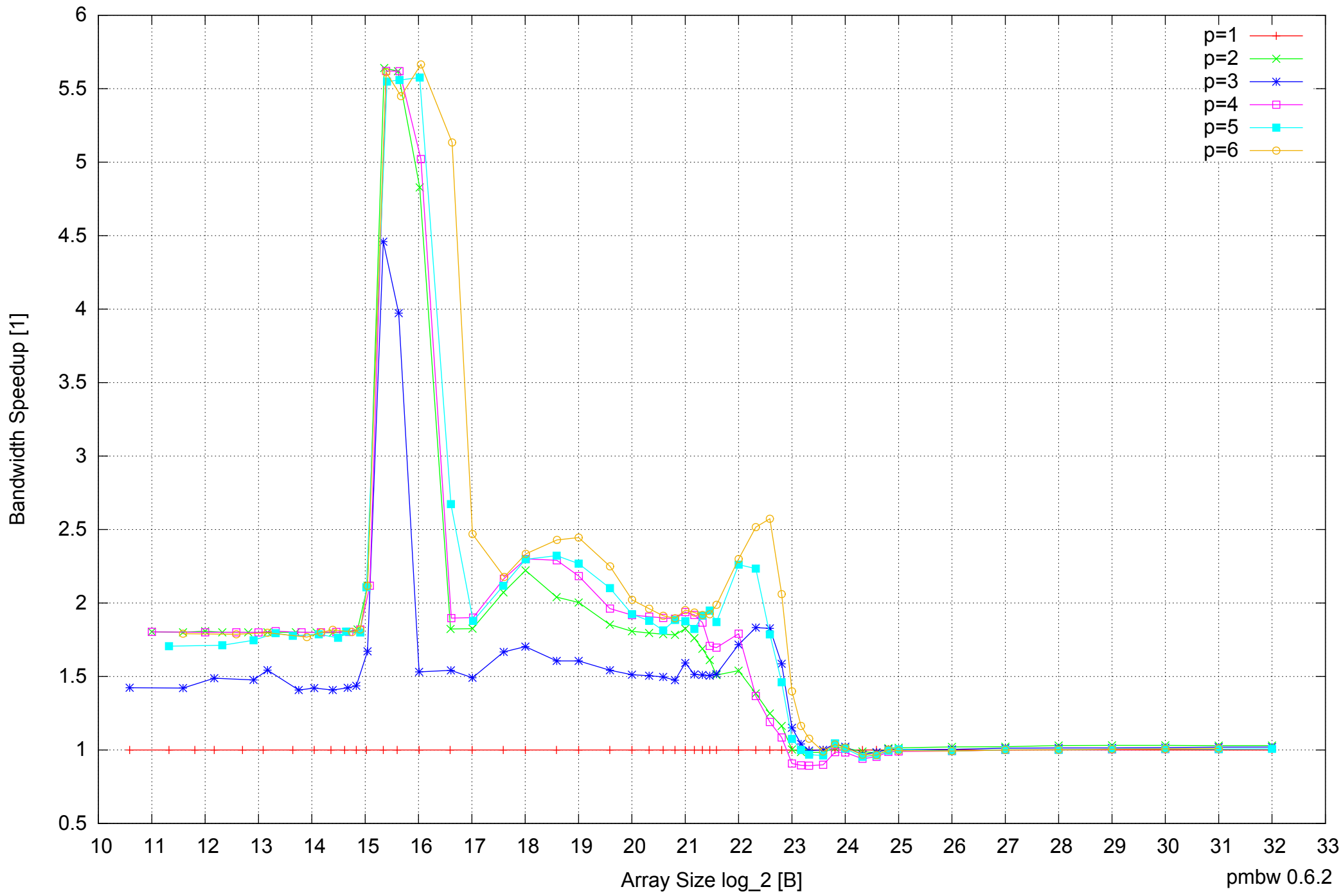
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite256PtrUnrollLoop



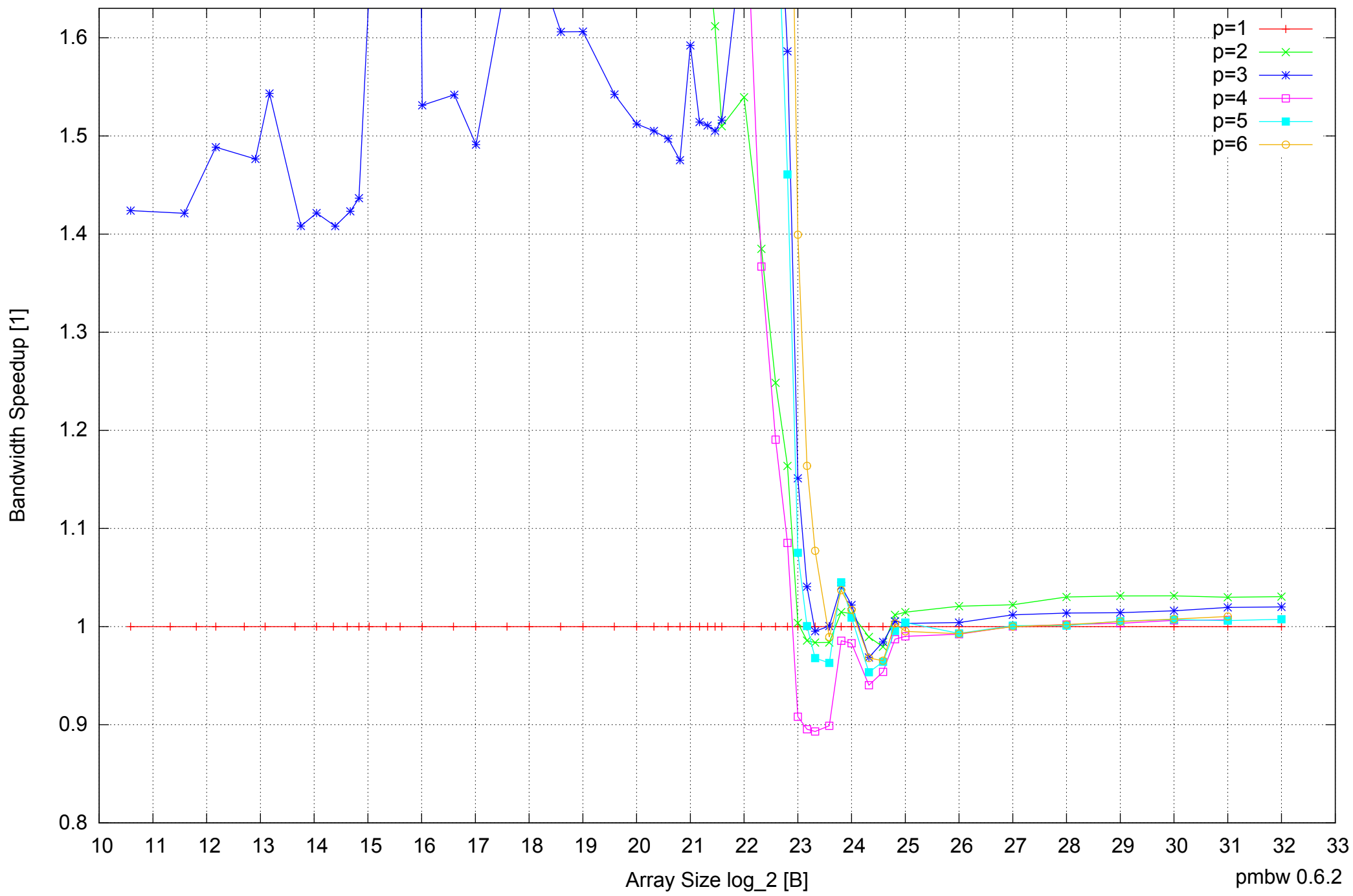
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite256PtrUnrollLoop



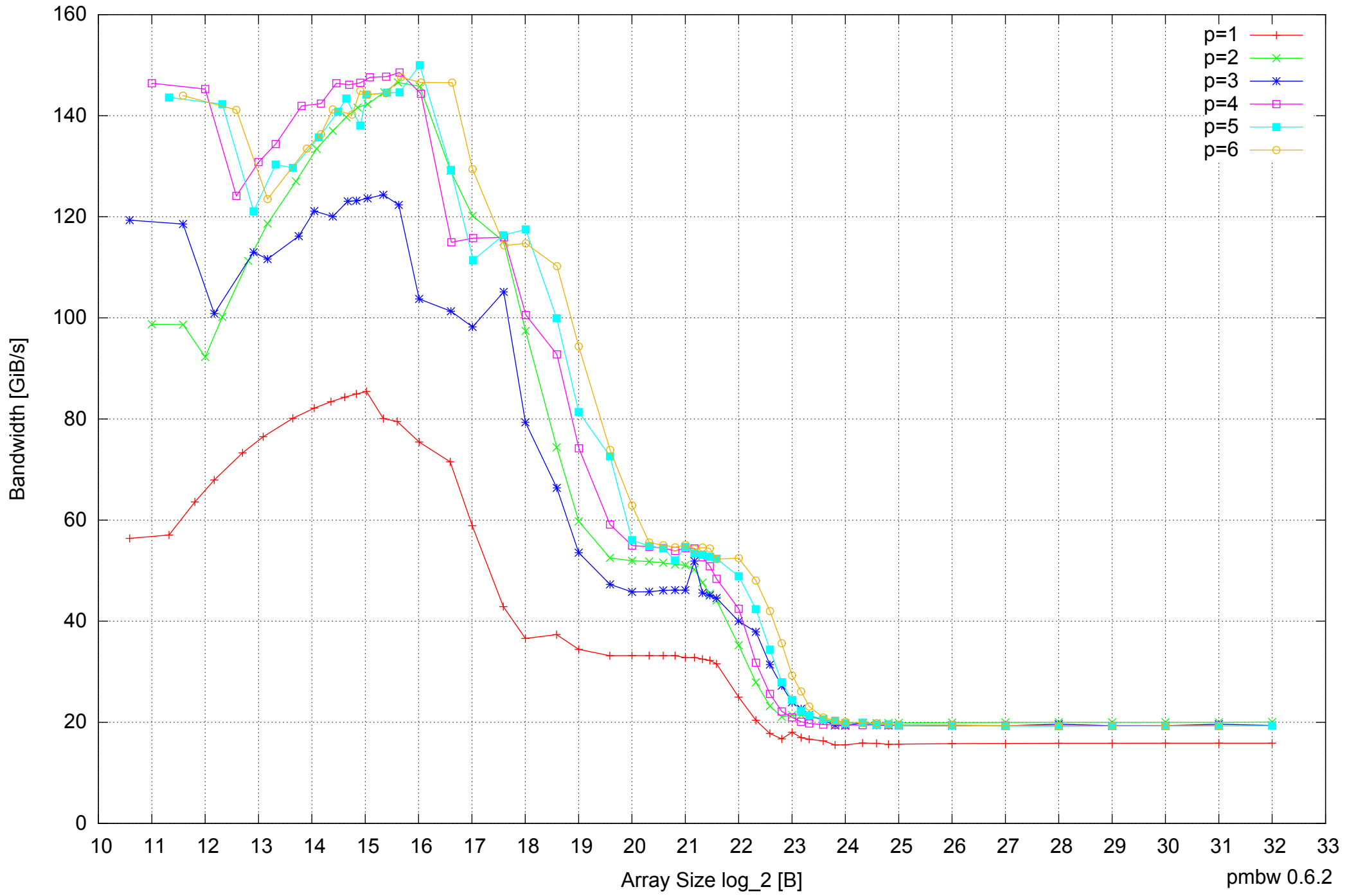
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite256PtrUnrollLoop



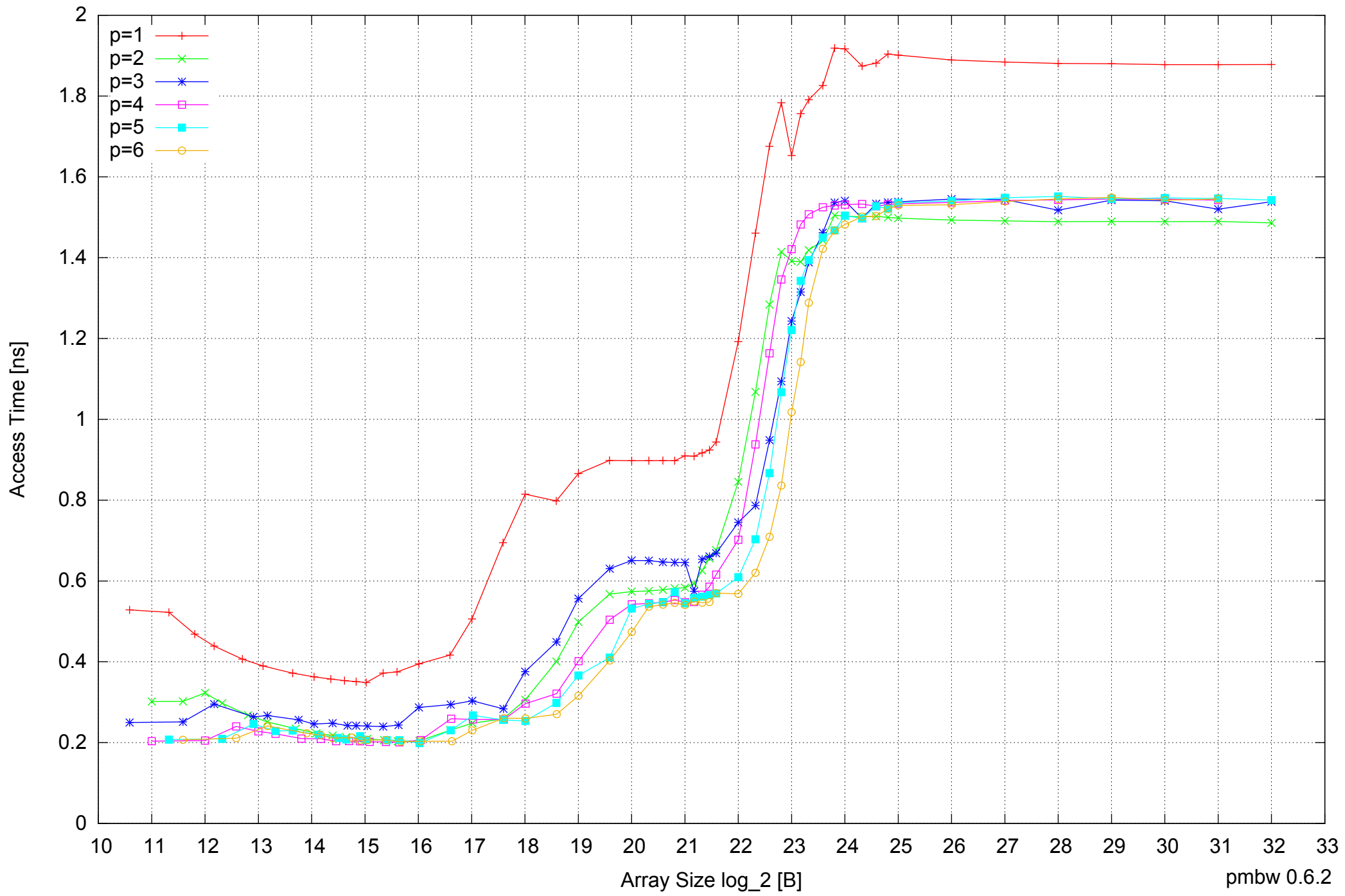
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite256PtrUnrollLoop



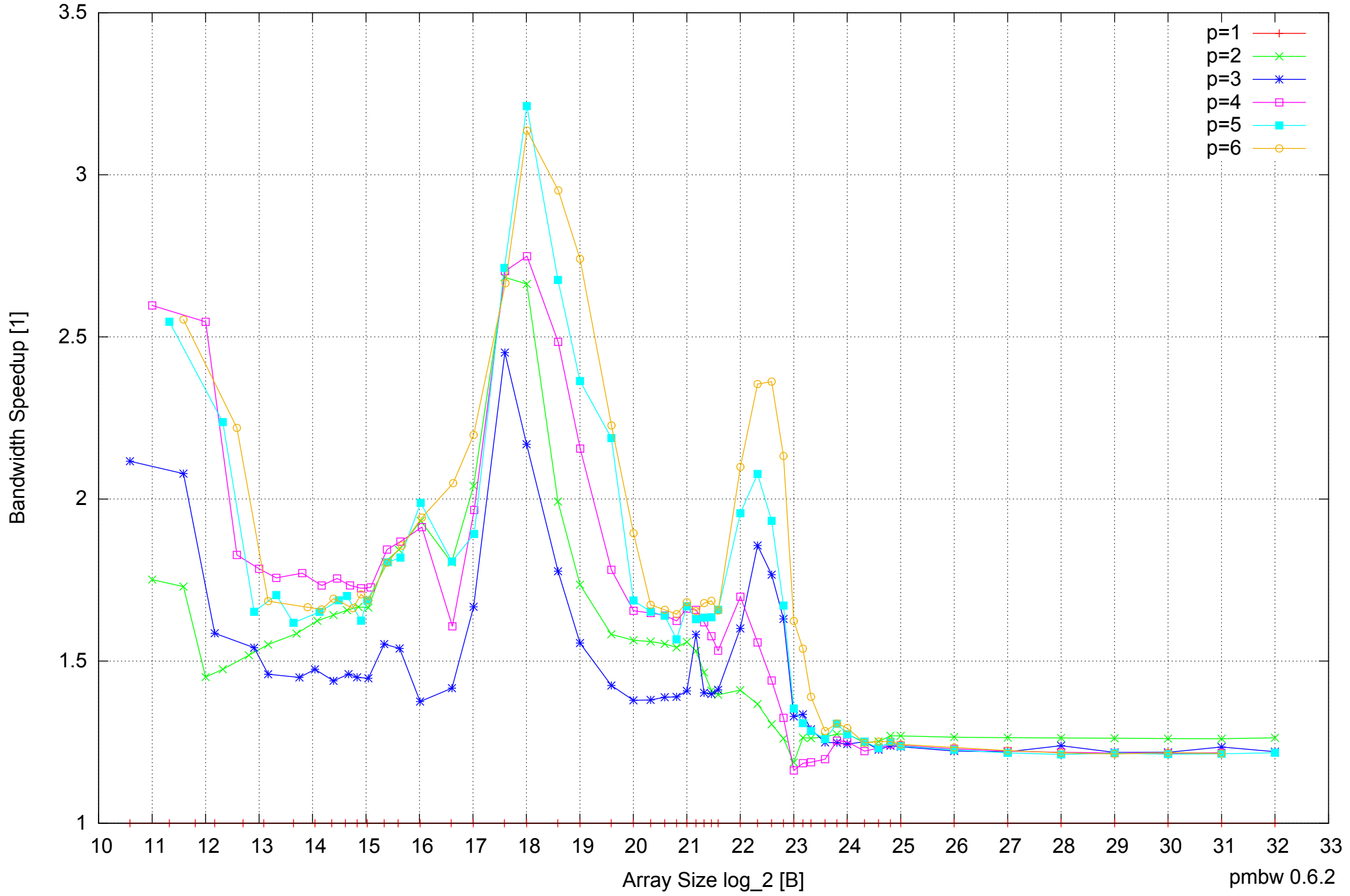
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead256PtrSimpleLoop



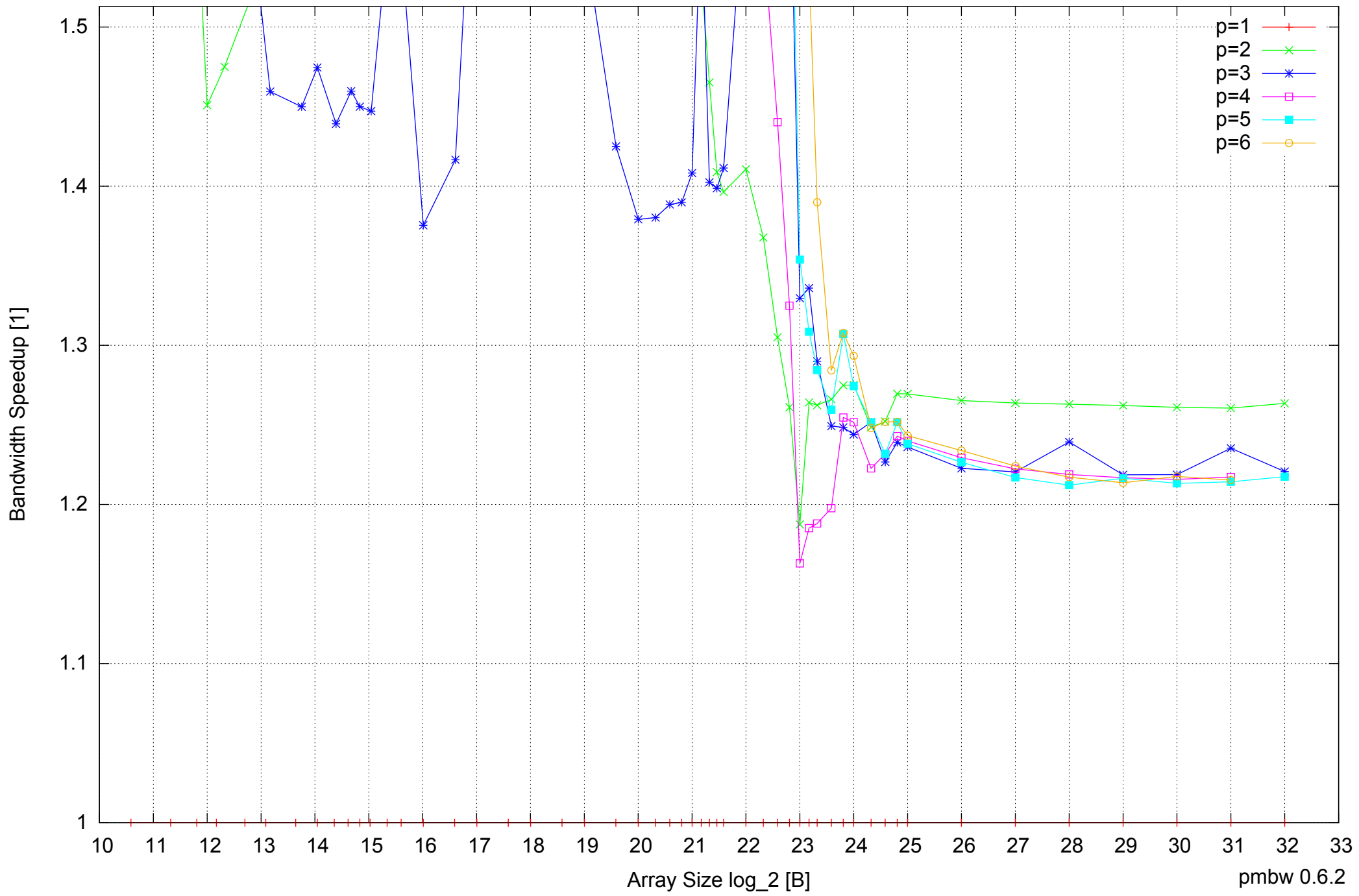
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead256PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead256PtrSimpleLoop

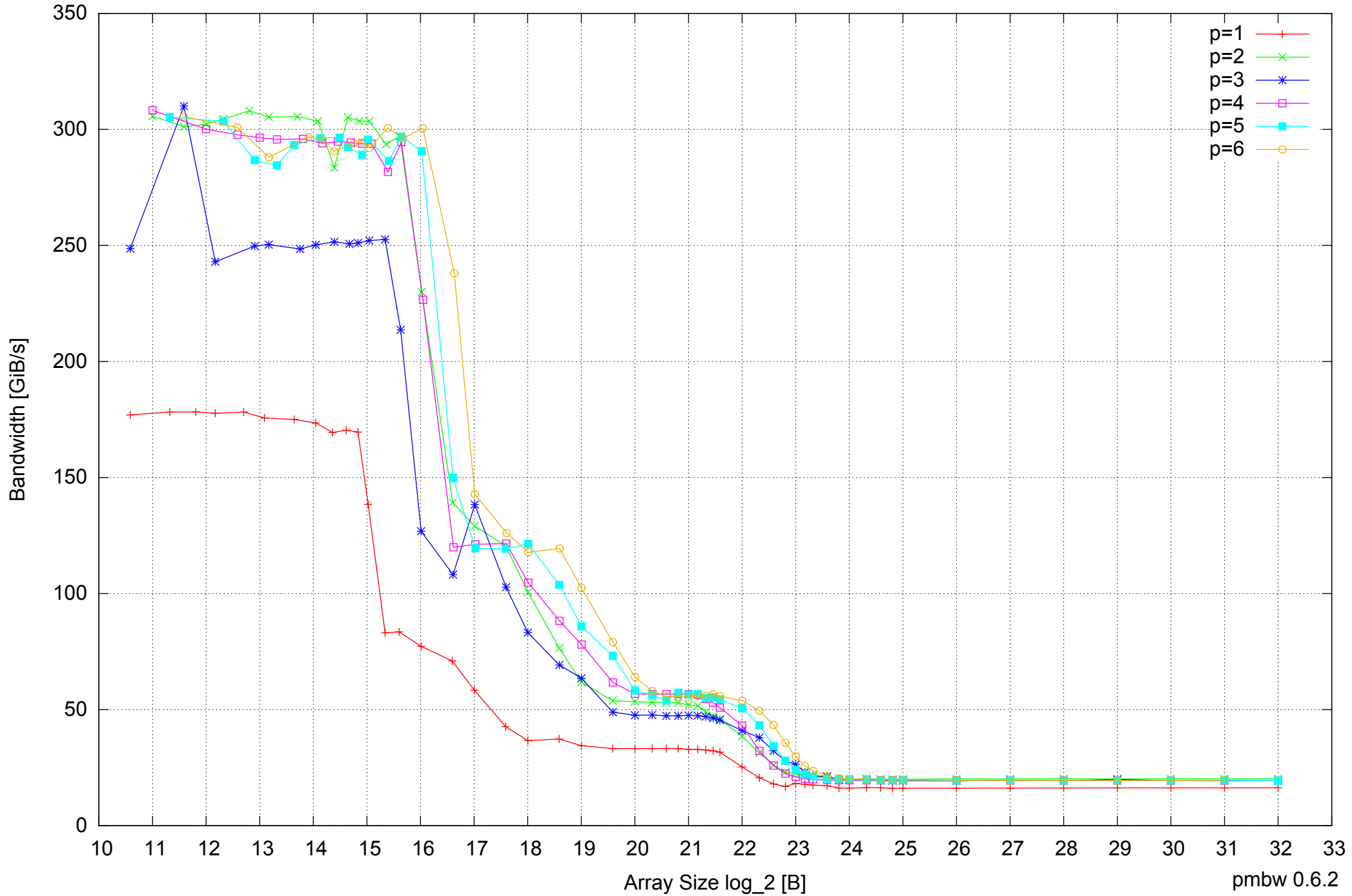


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead256PtrSimpleLoop

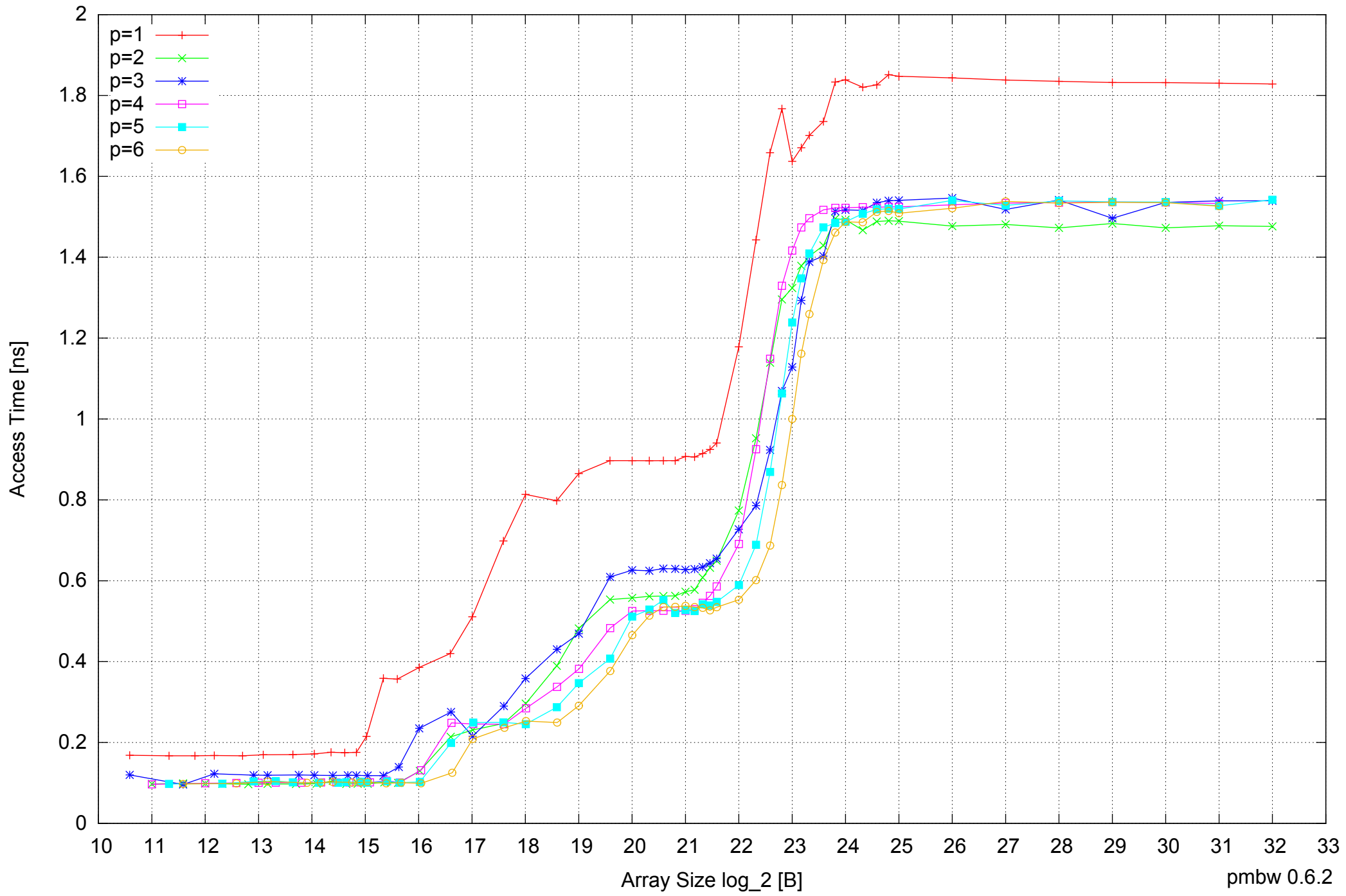




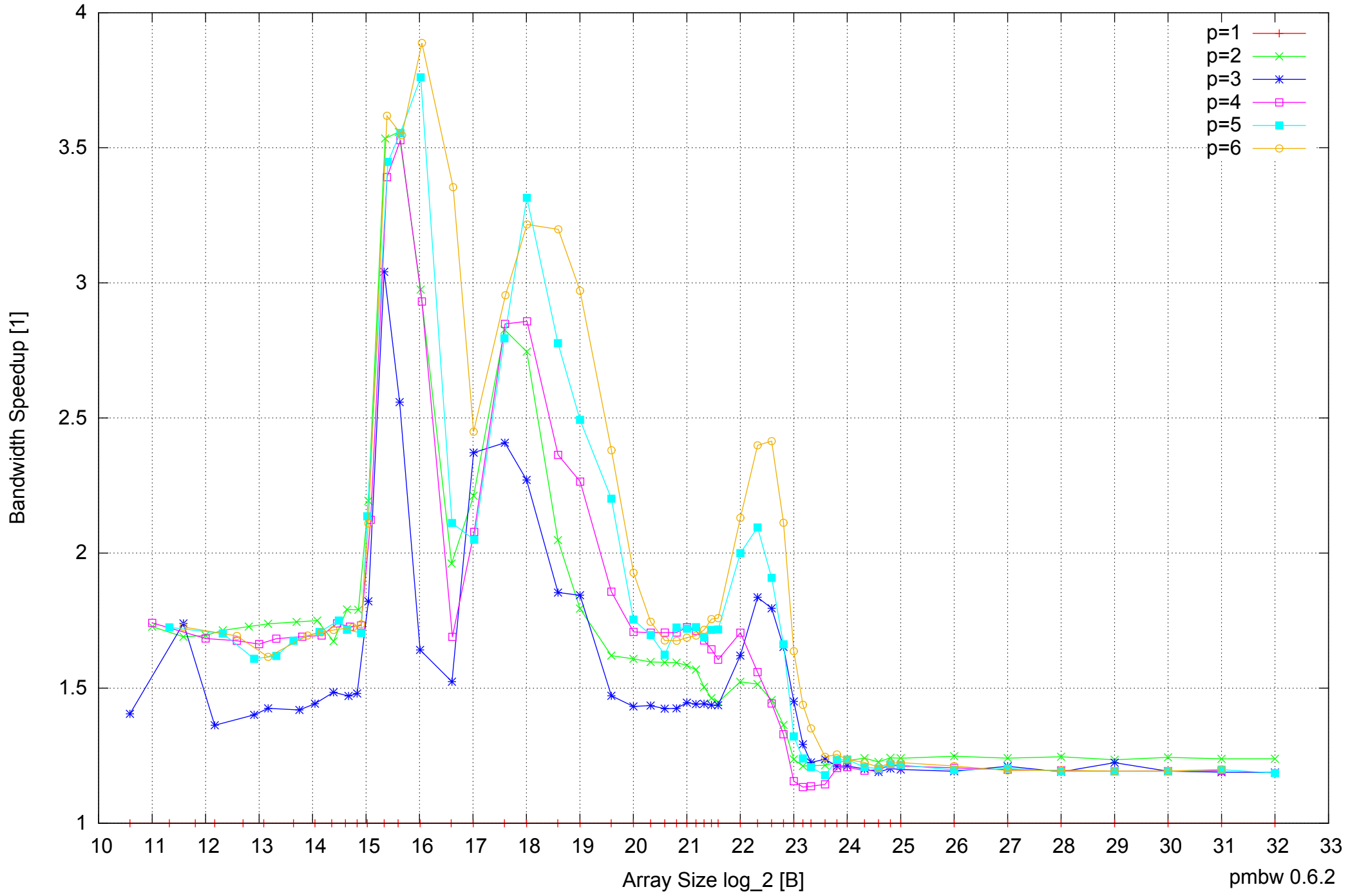
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead256PtrUnrollLoop



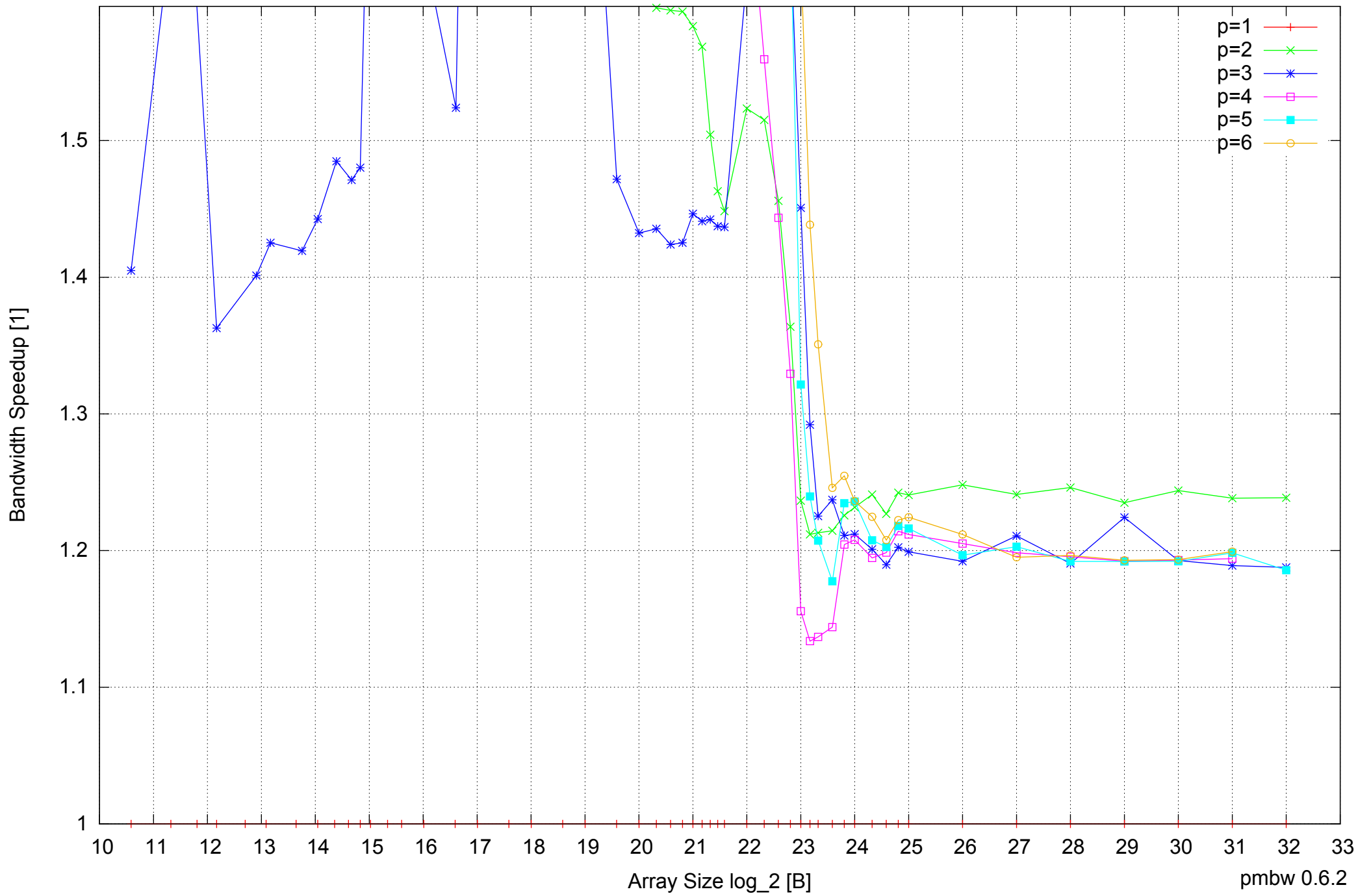
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead256PtrUnrollLoop



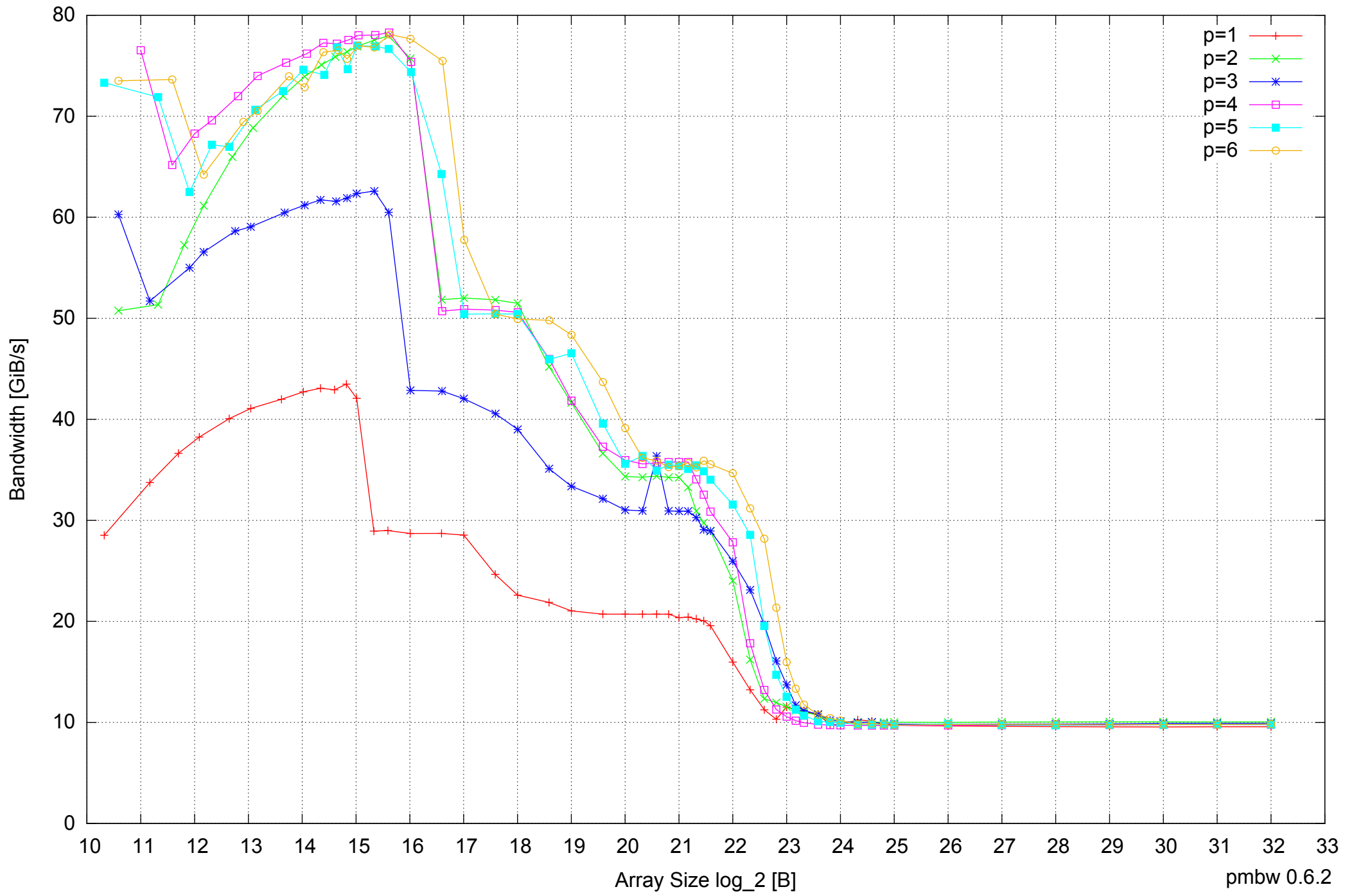
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead256PtrUnrollLoop



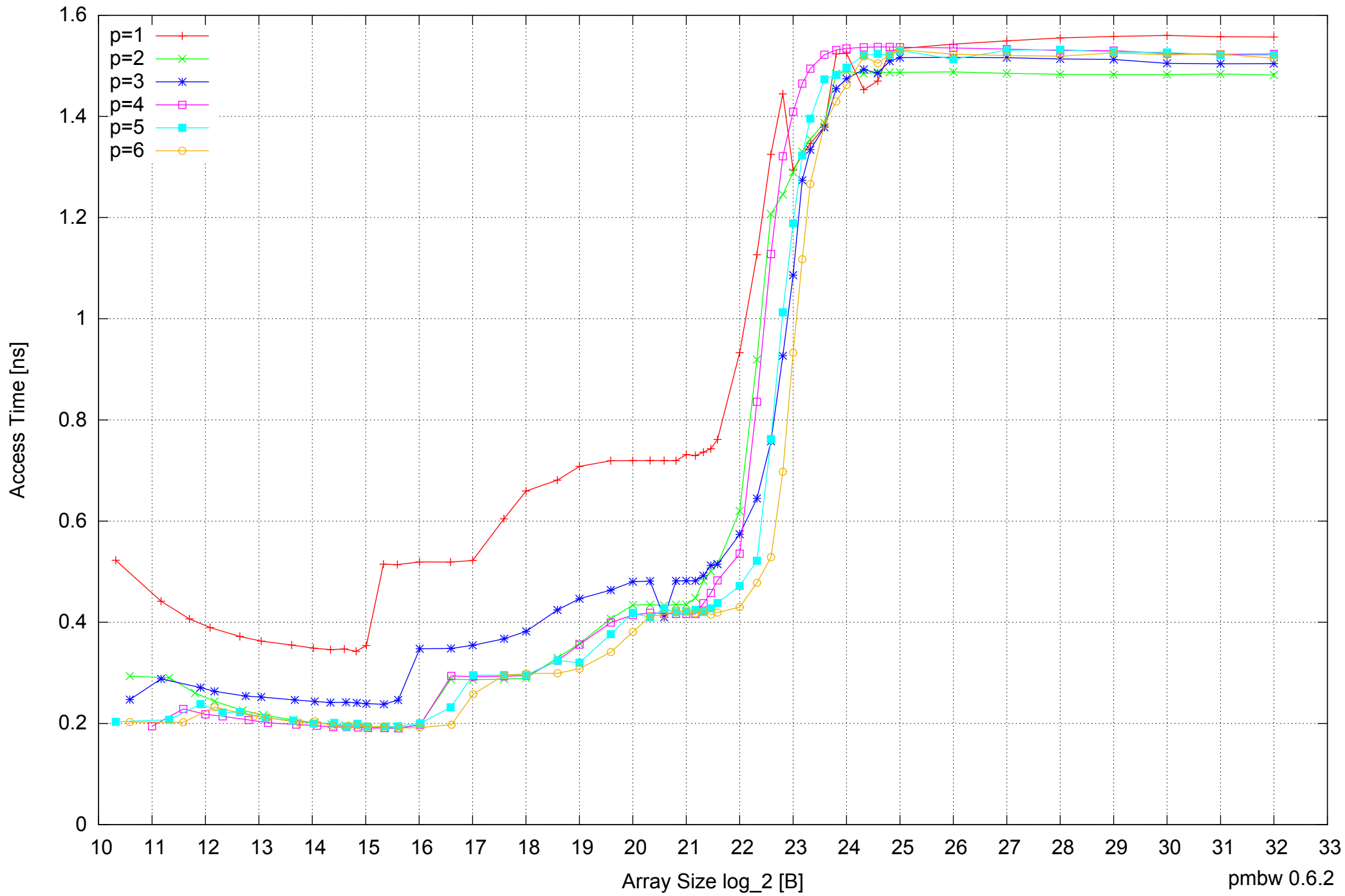
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead256PtrUnrollLoop



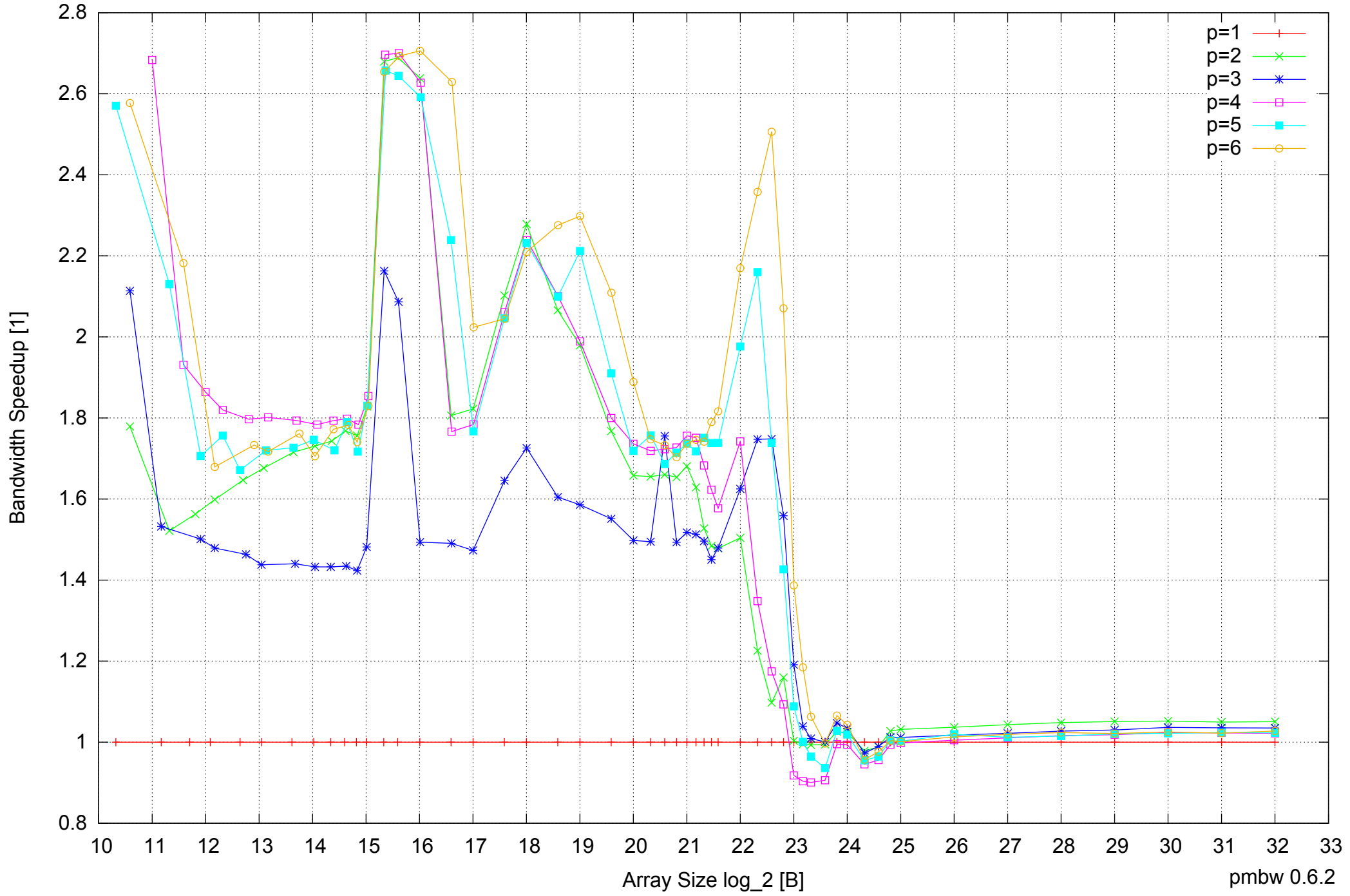
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop



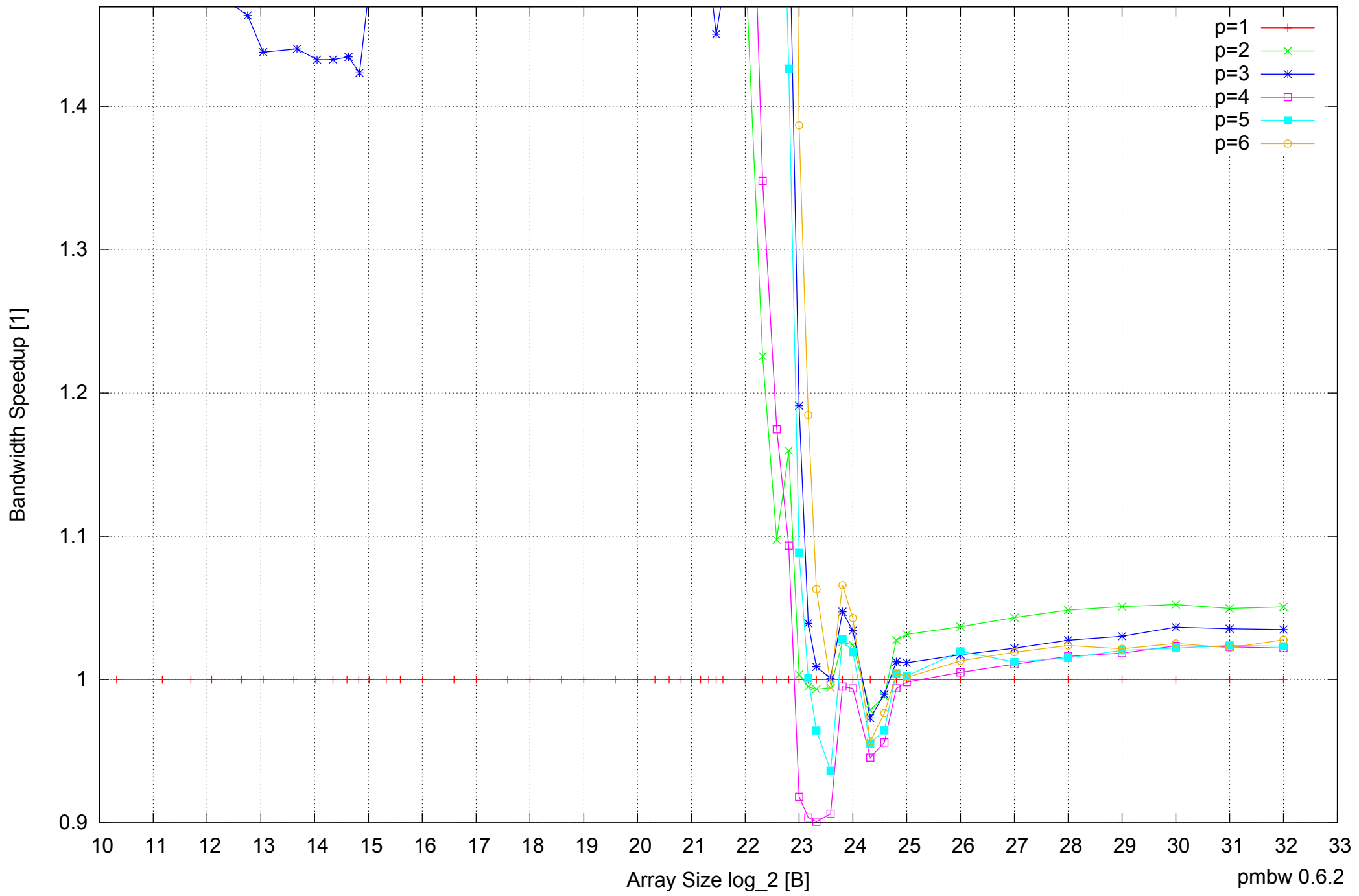
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite128PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop

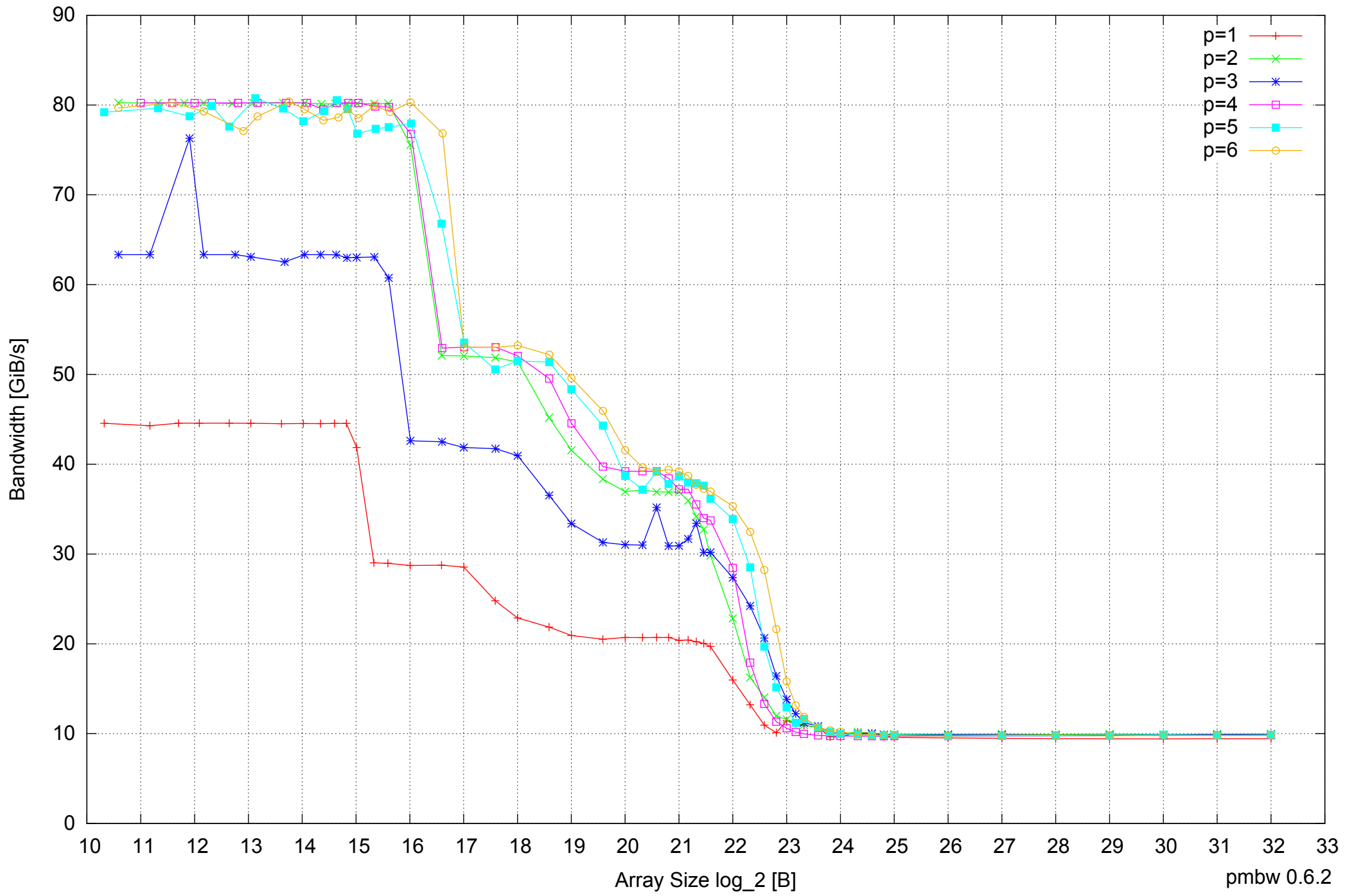


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrSimpleLoop

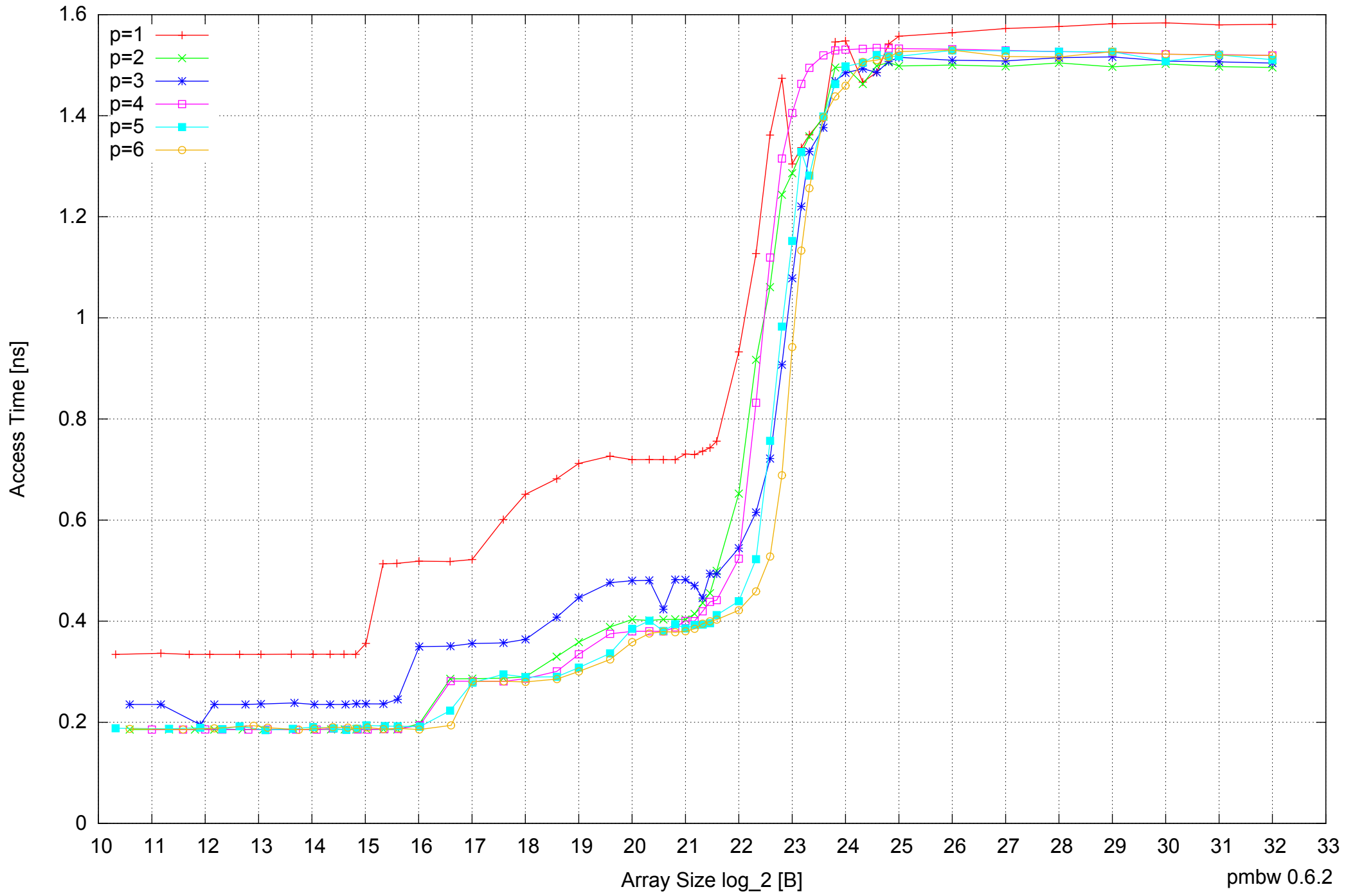




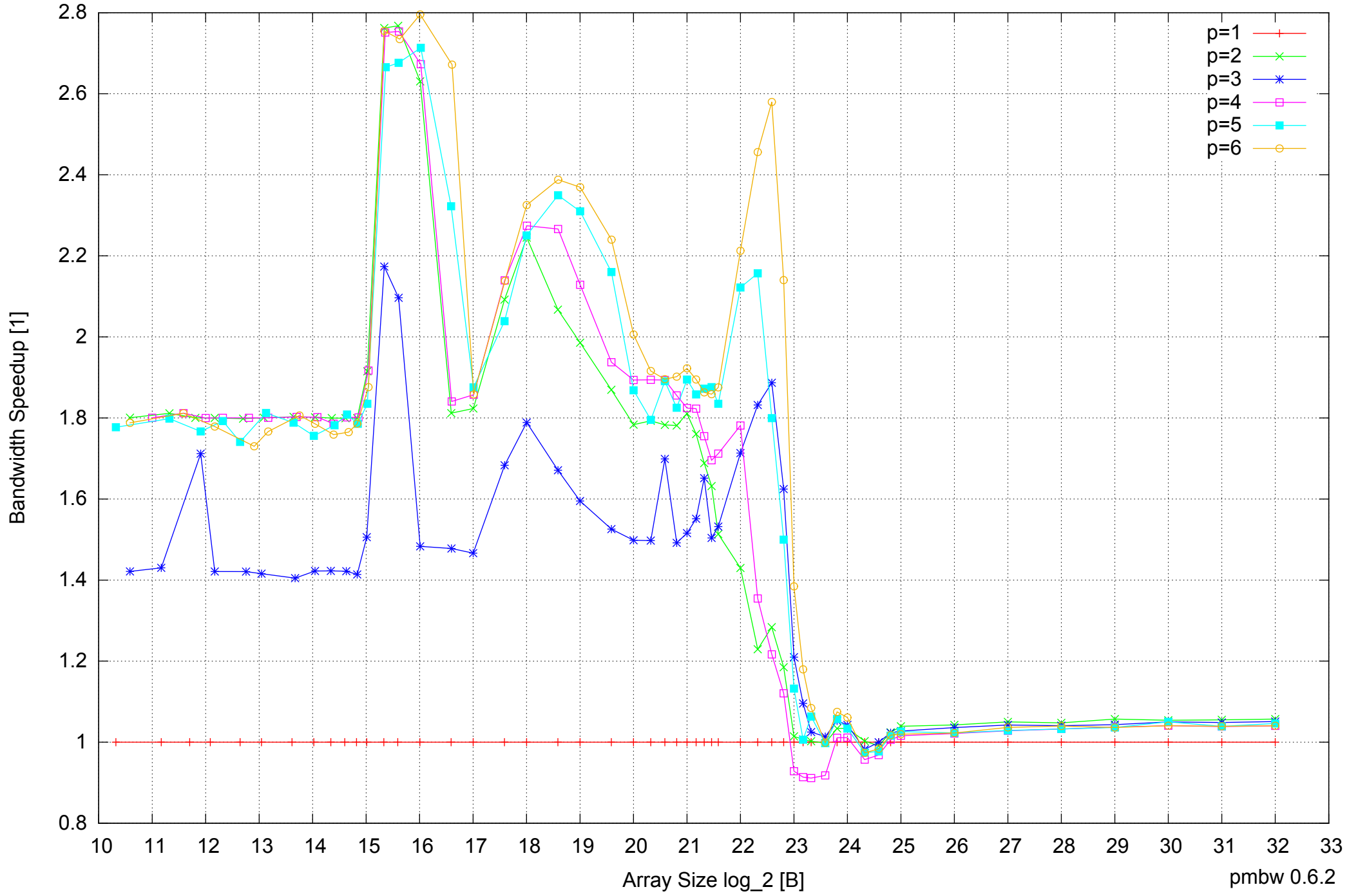
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



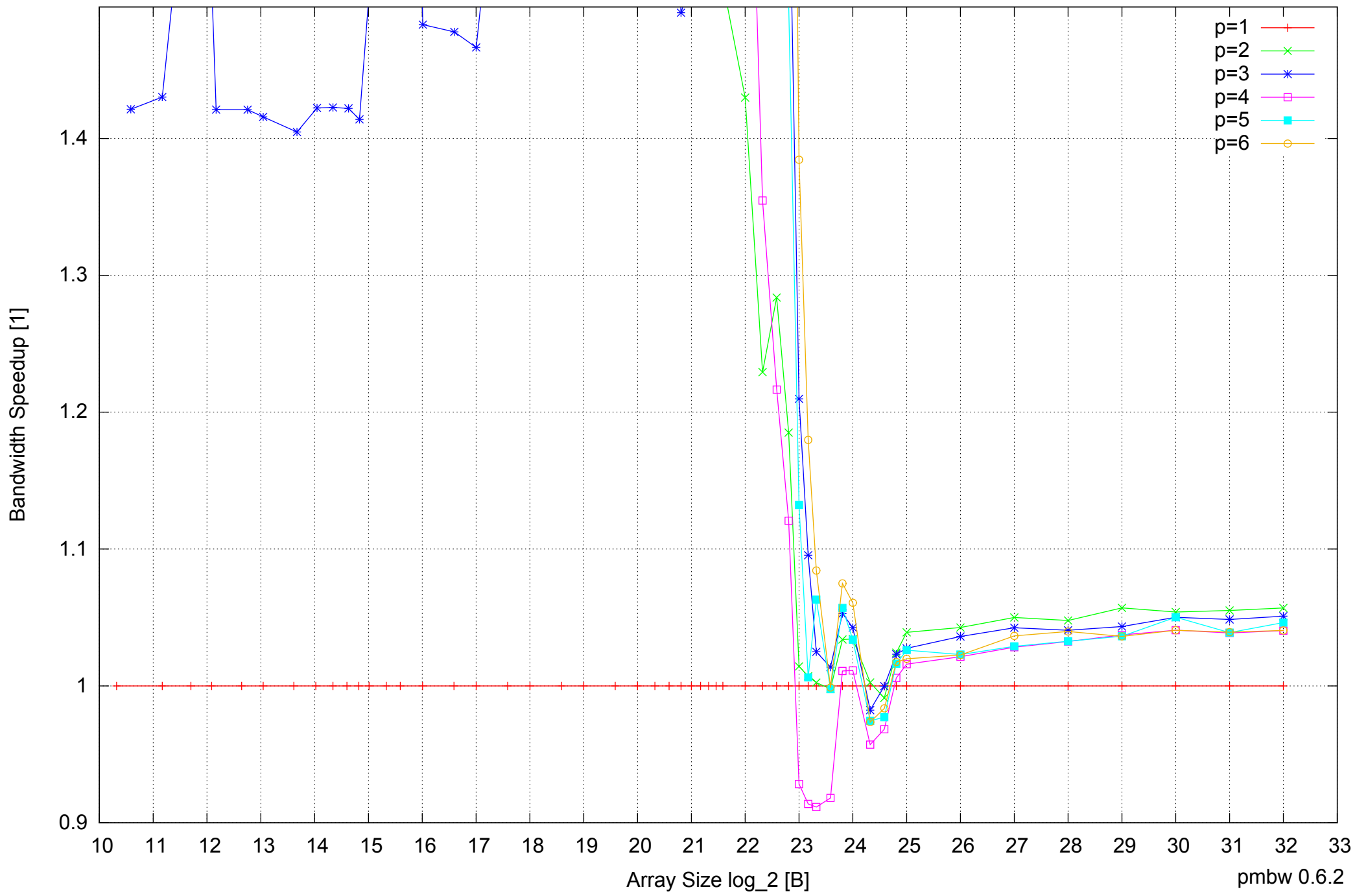
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite128PtrUnrollLoop



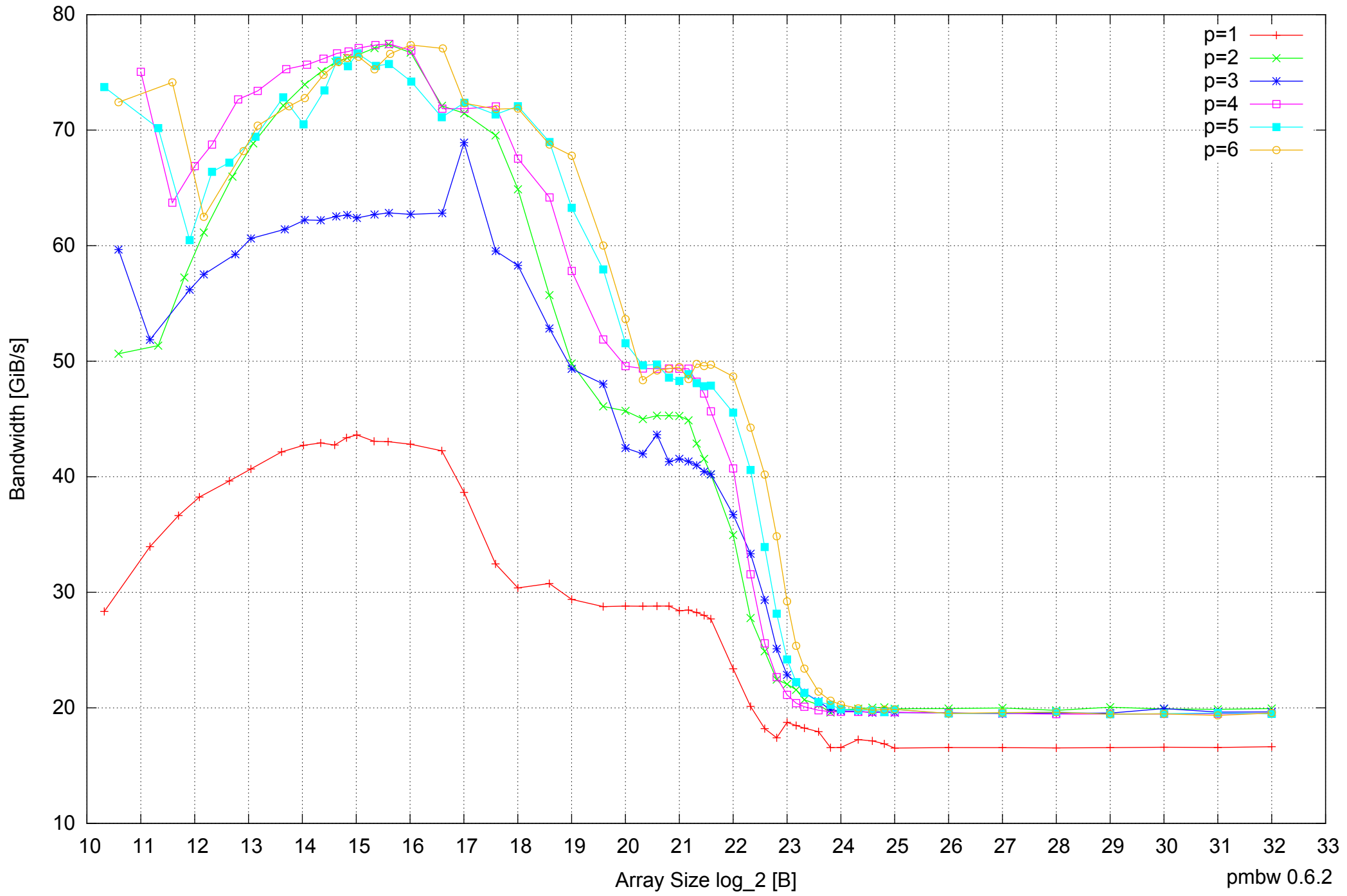
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



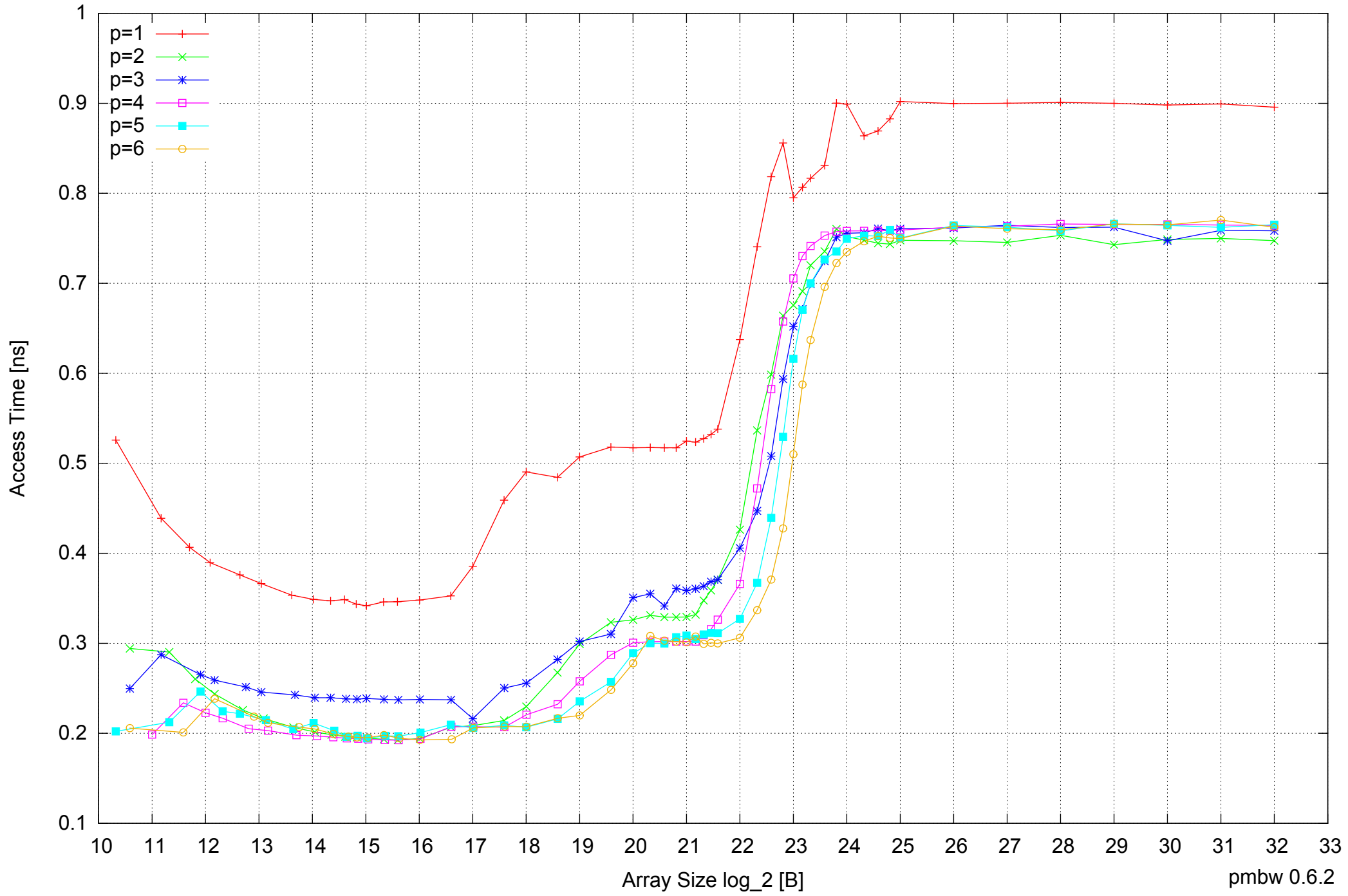
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop



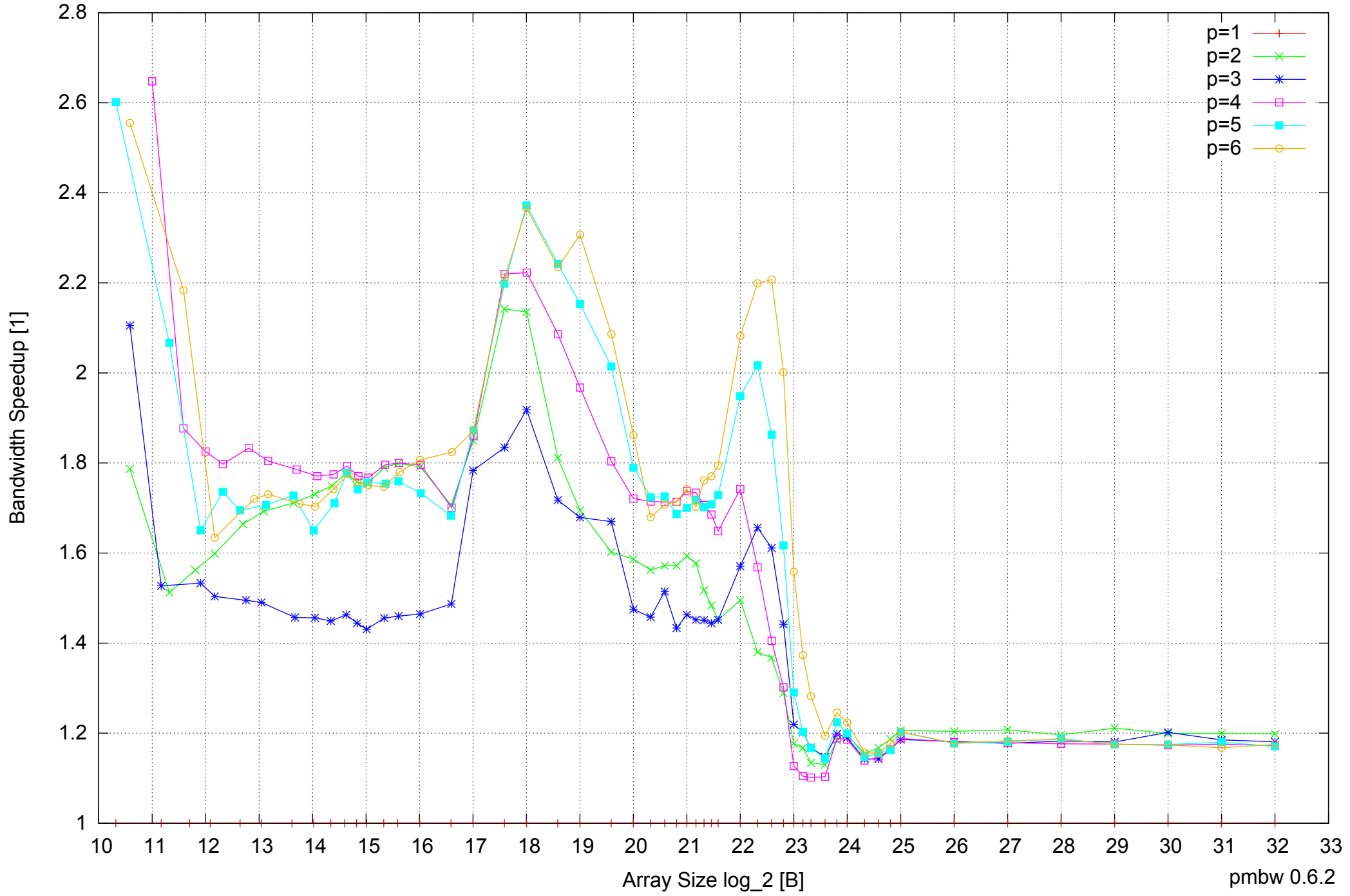
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop



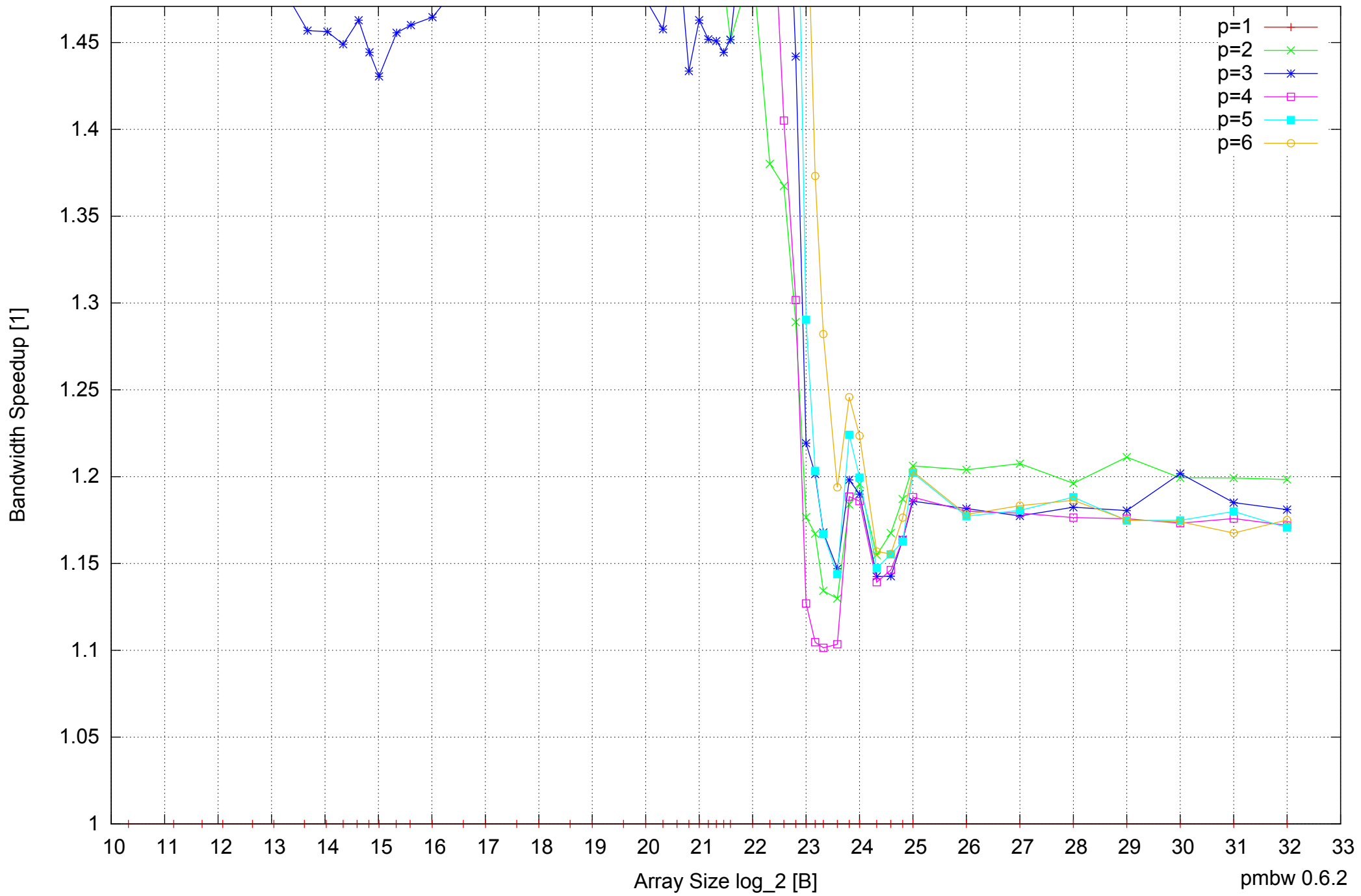
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead128PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop

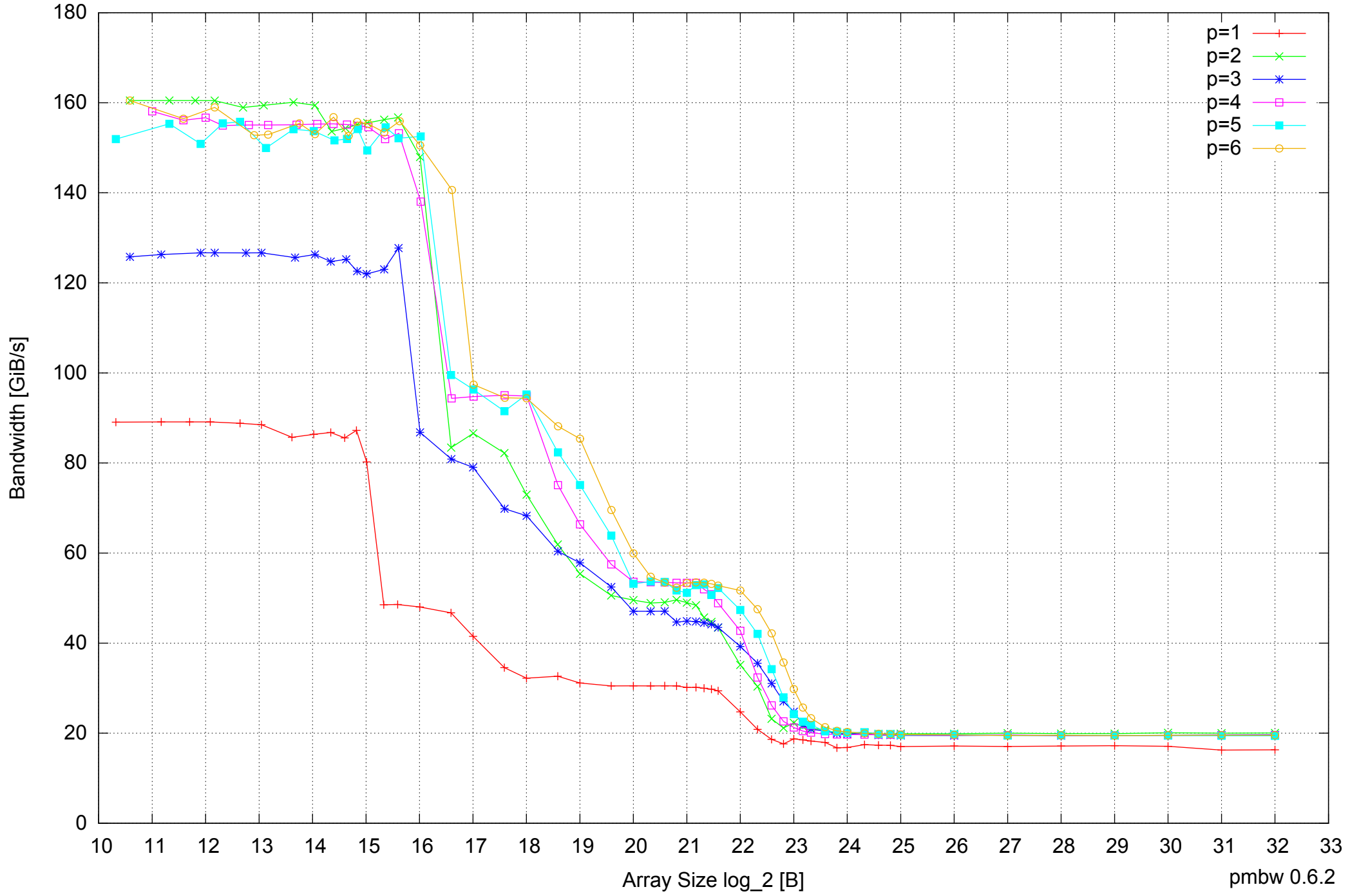


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128PtrSimpleLoop

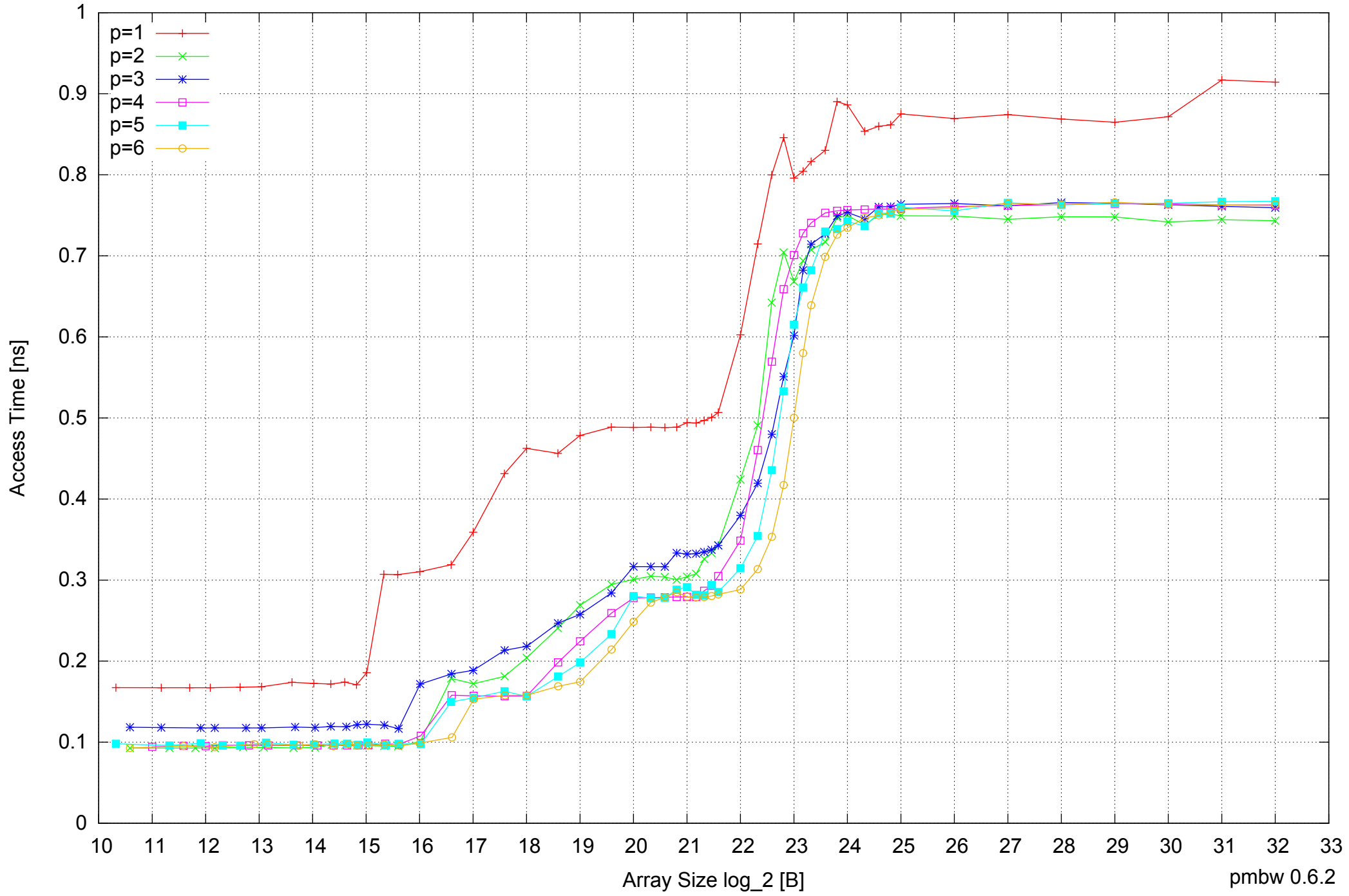




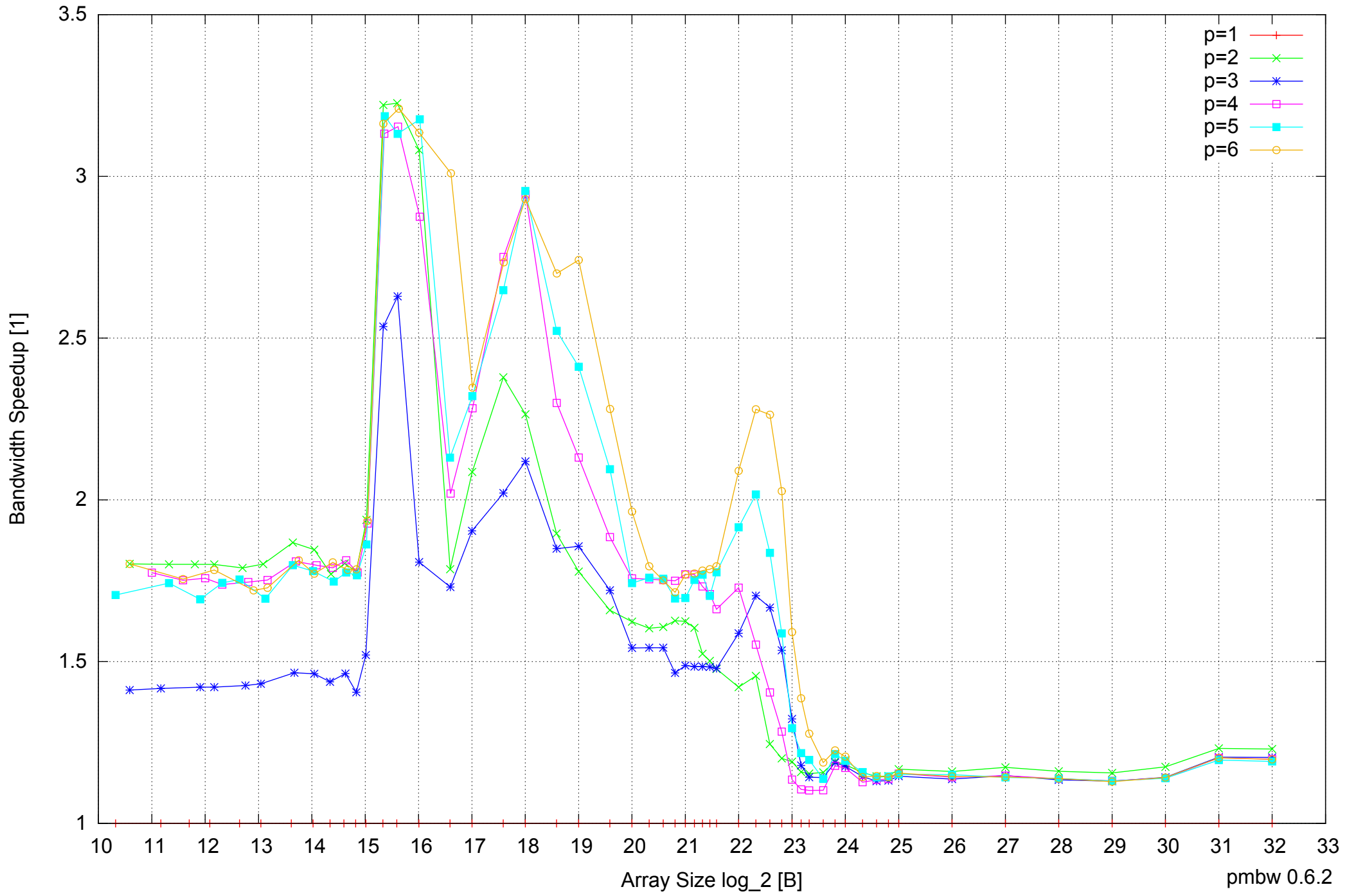
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead128PtrUnrollLoop



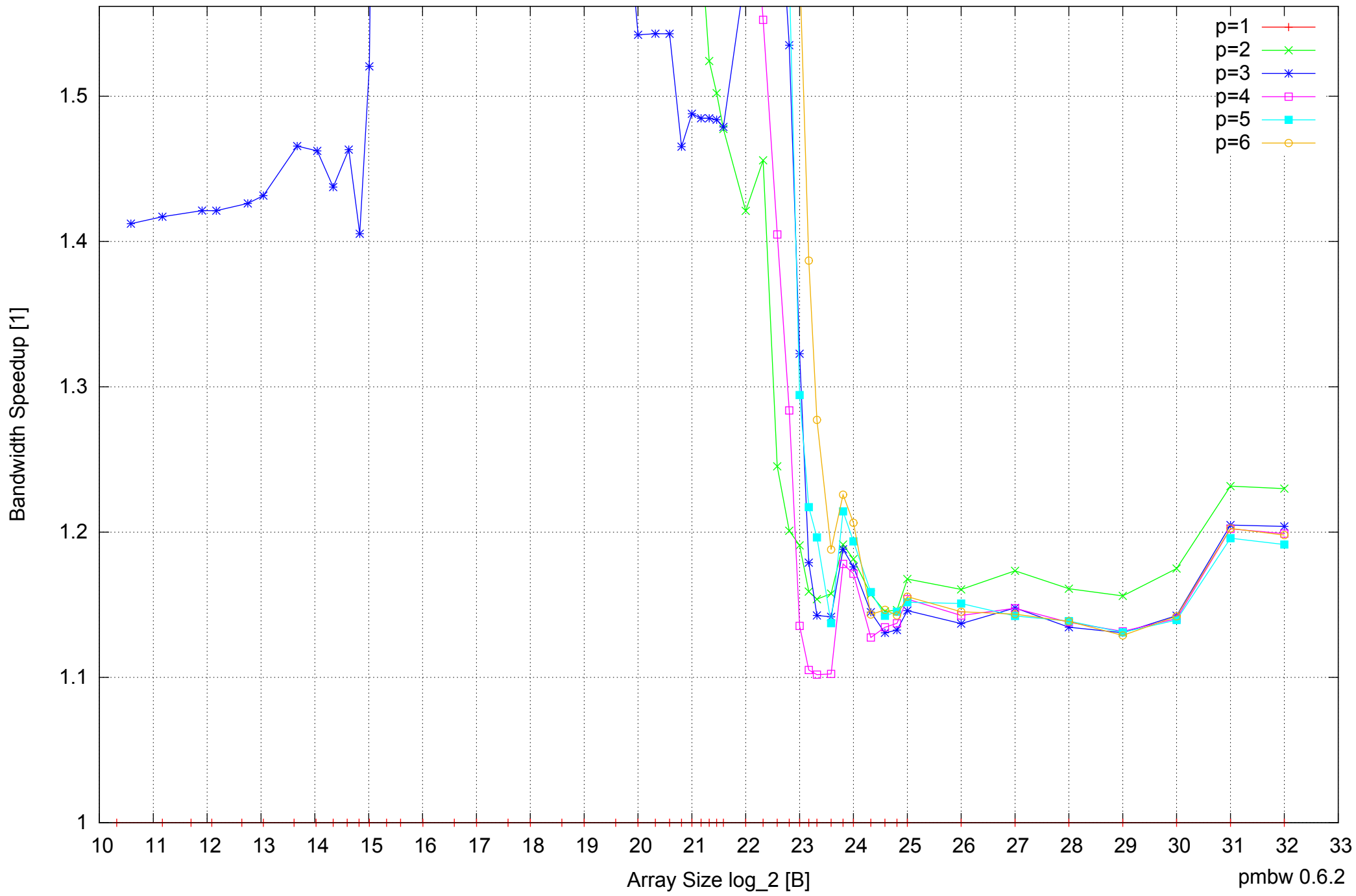
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead128PtrUnrollLoop



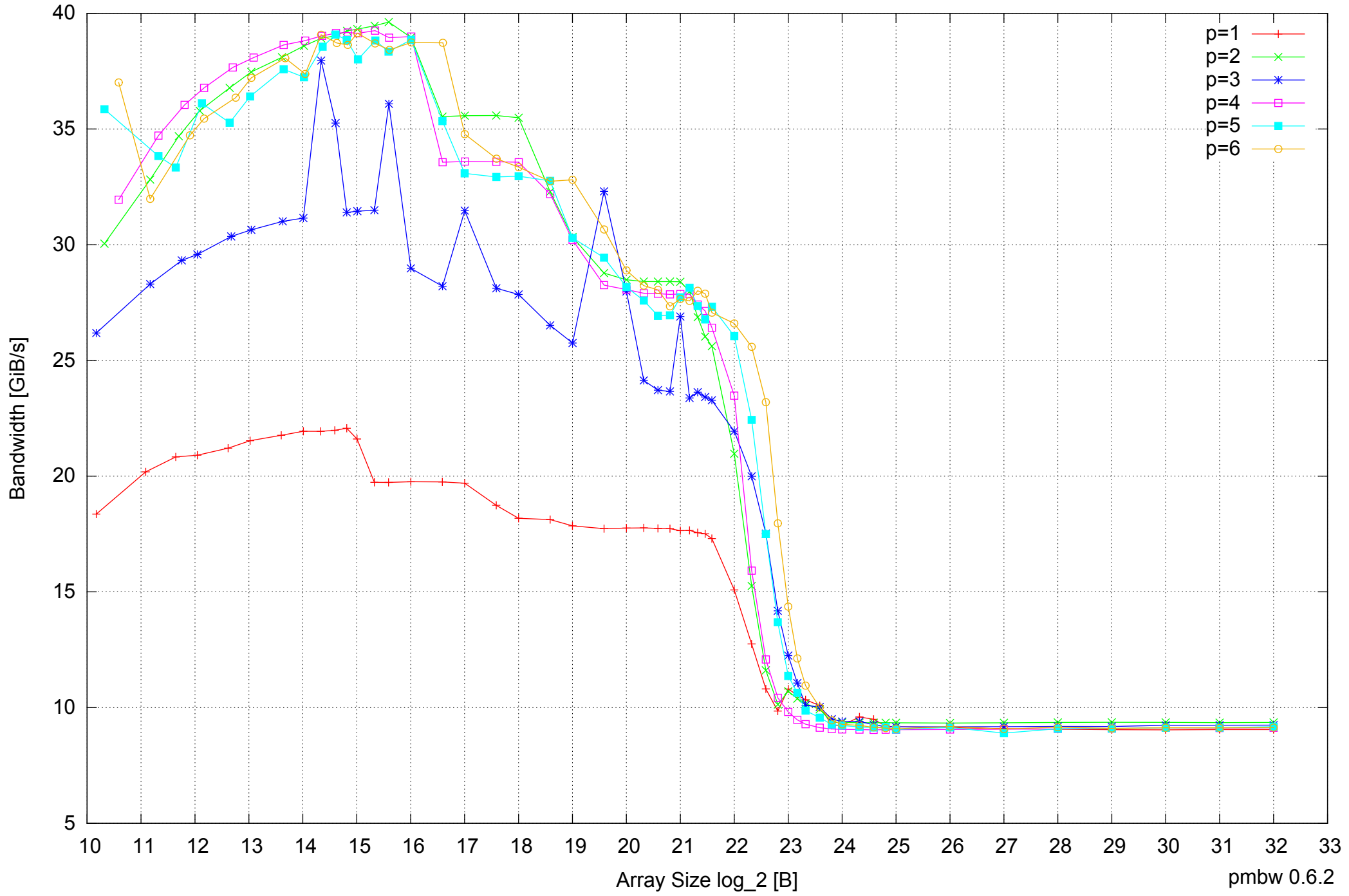
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrUnrollLoop



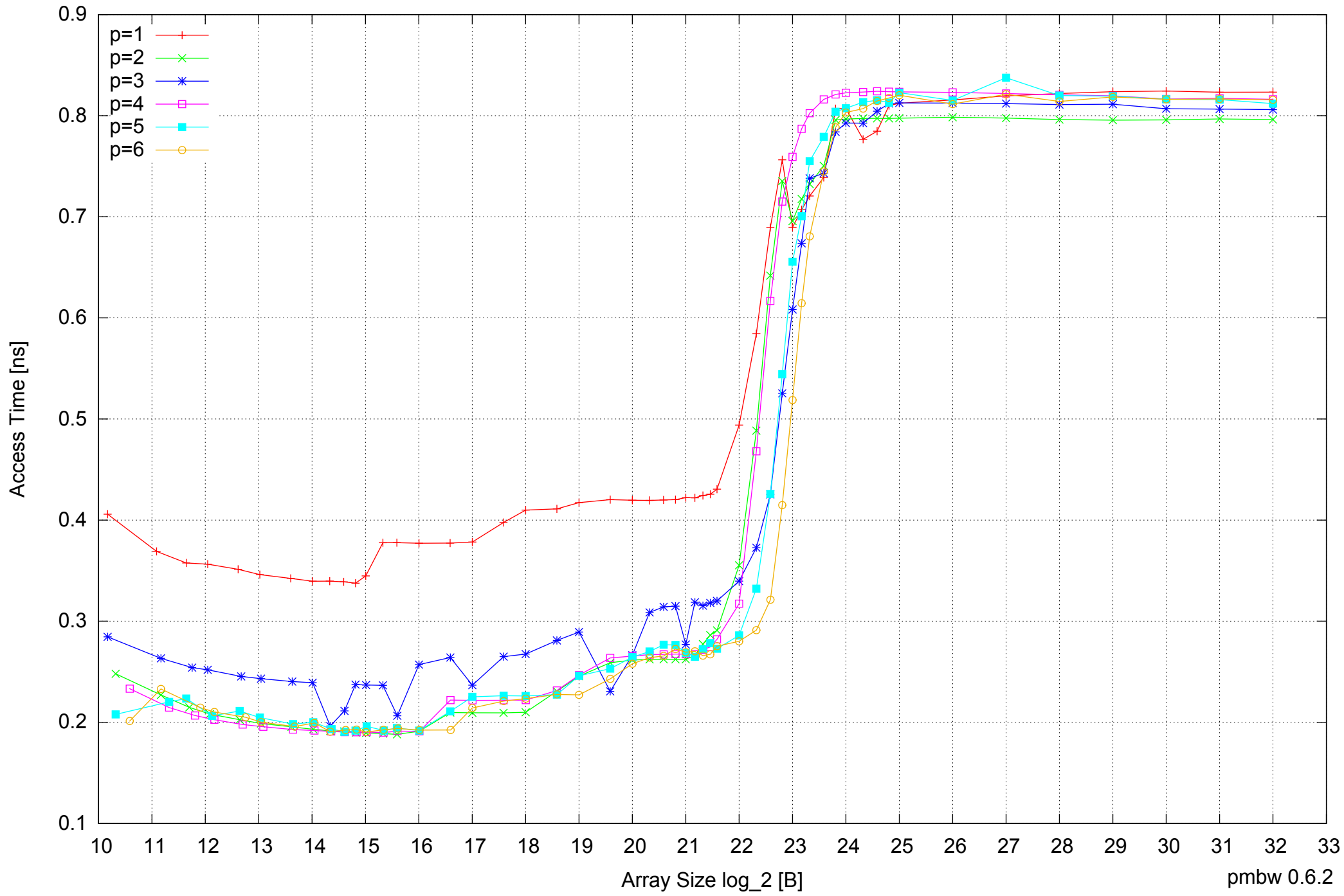
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop



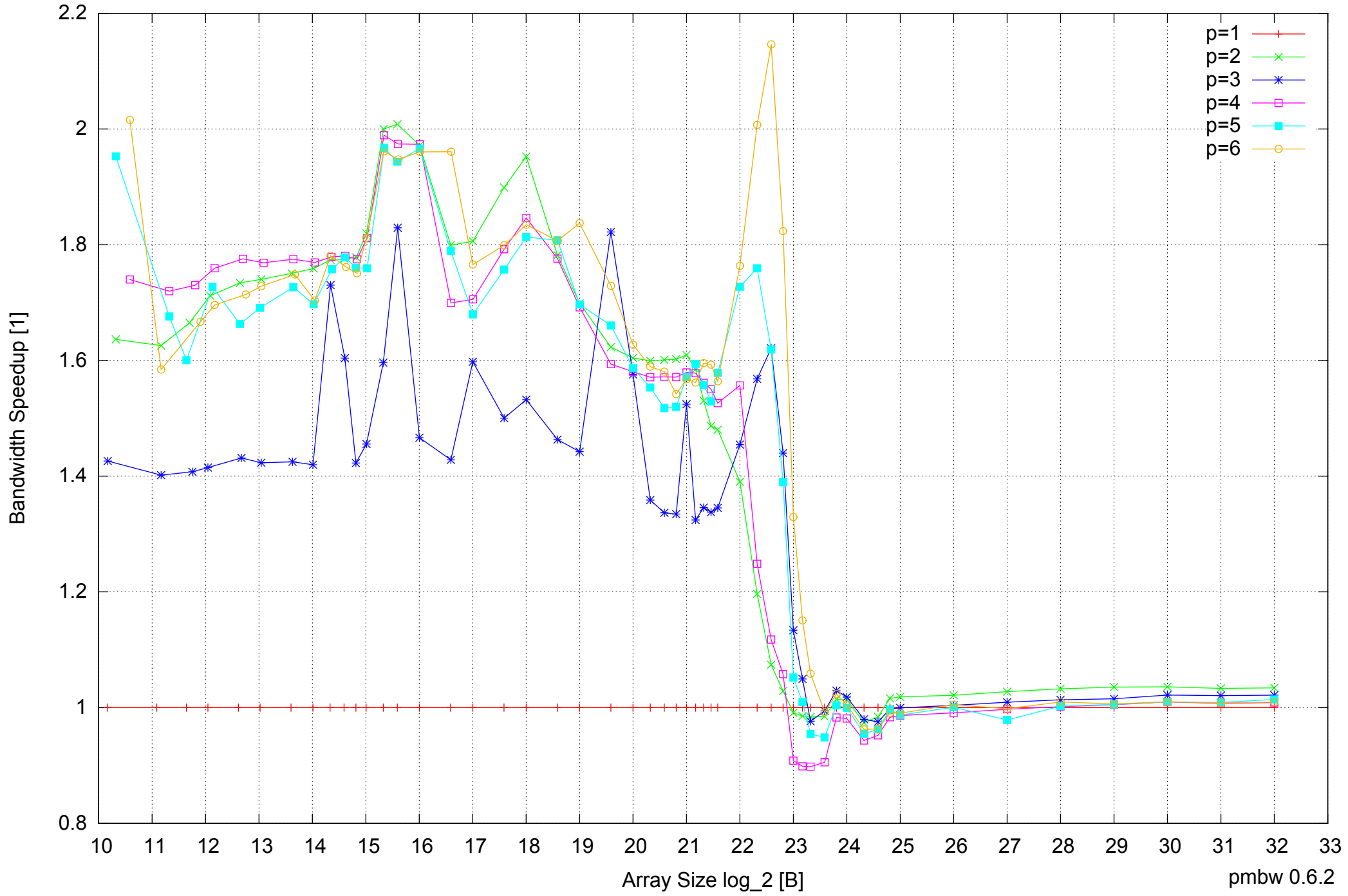
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



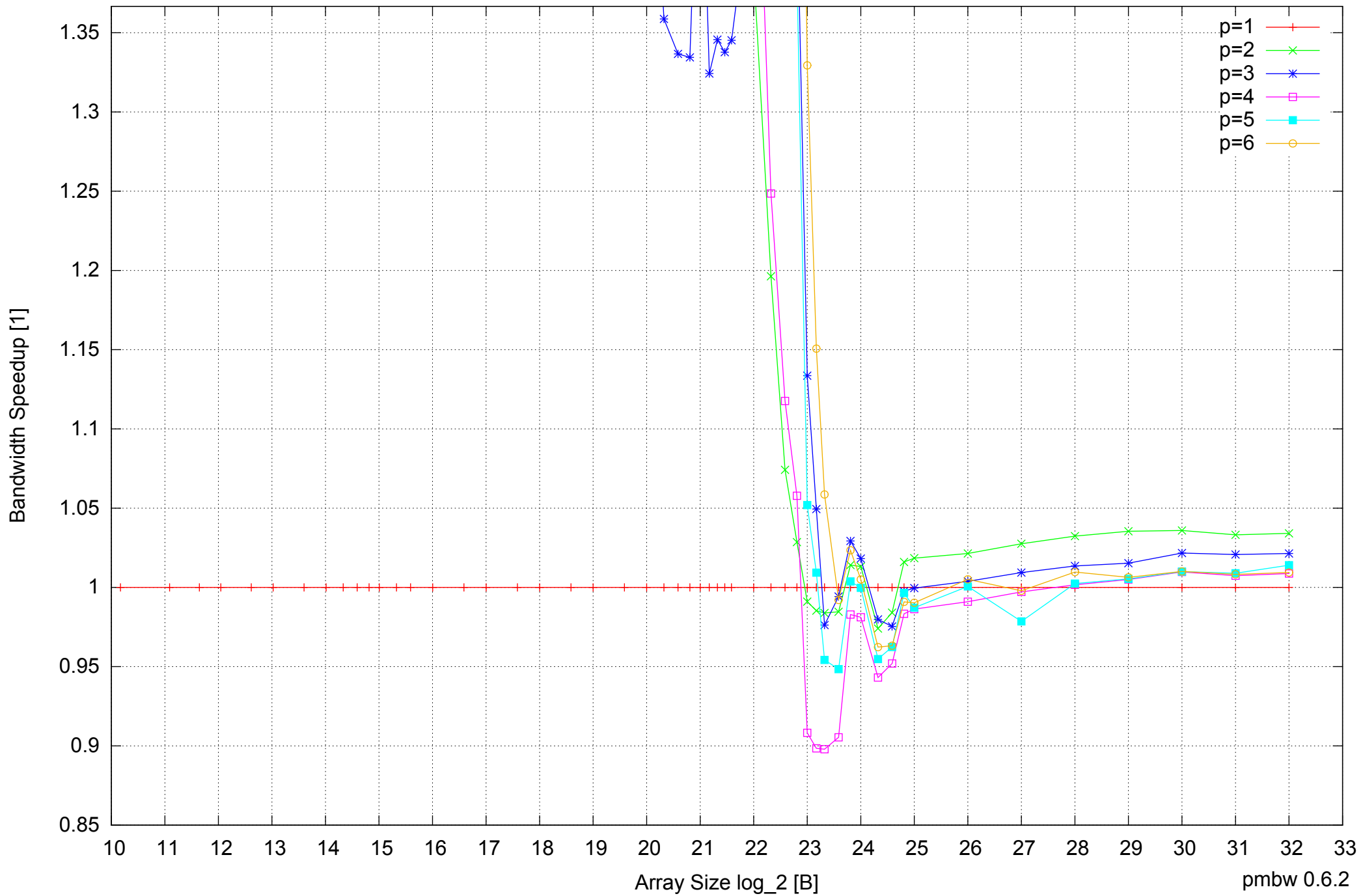
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop

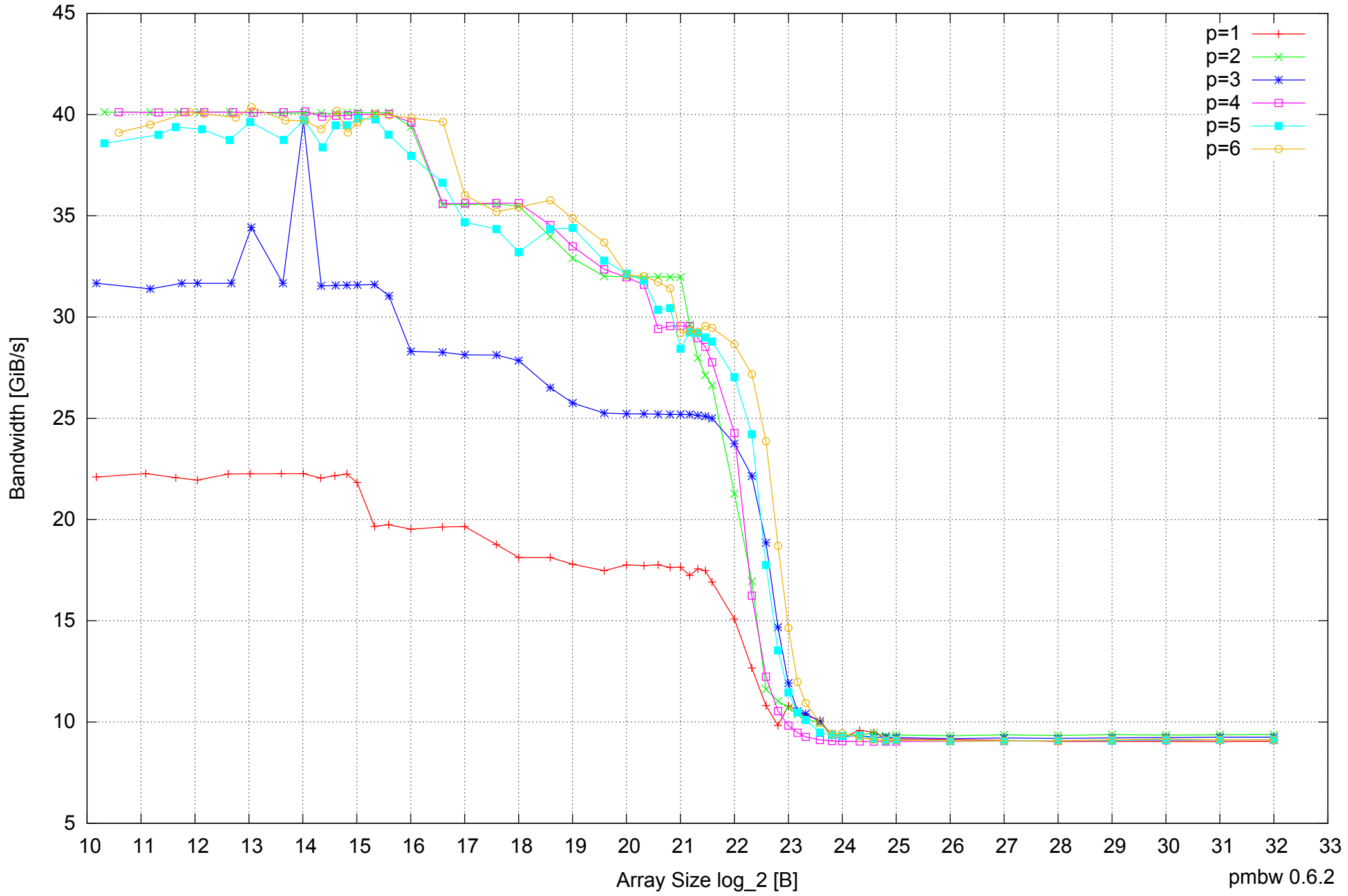


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop

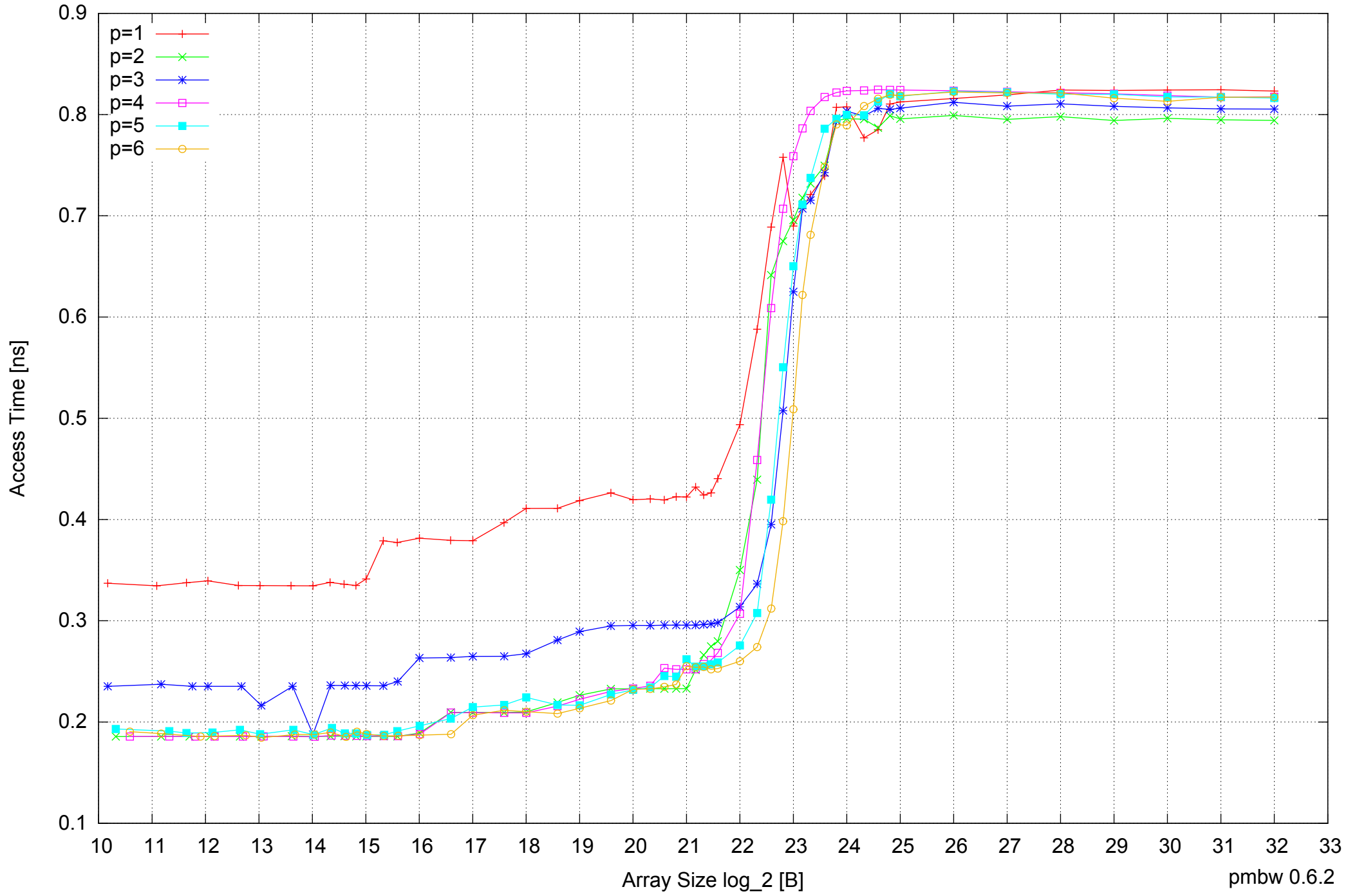




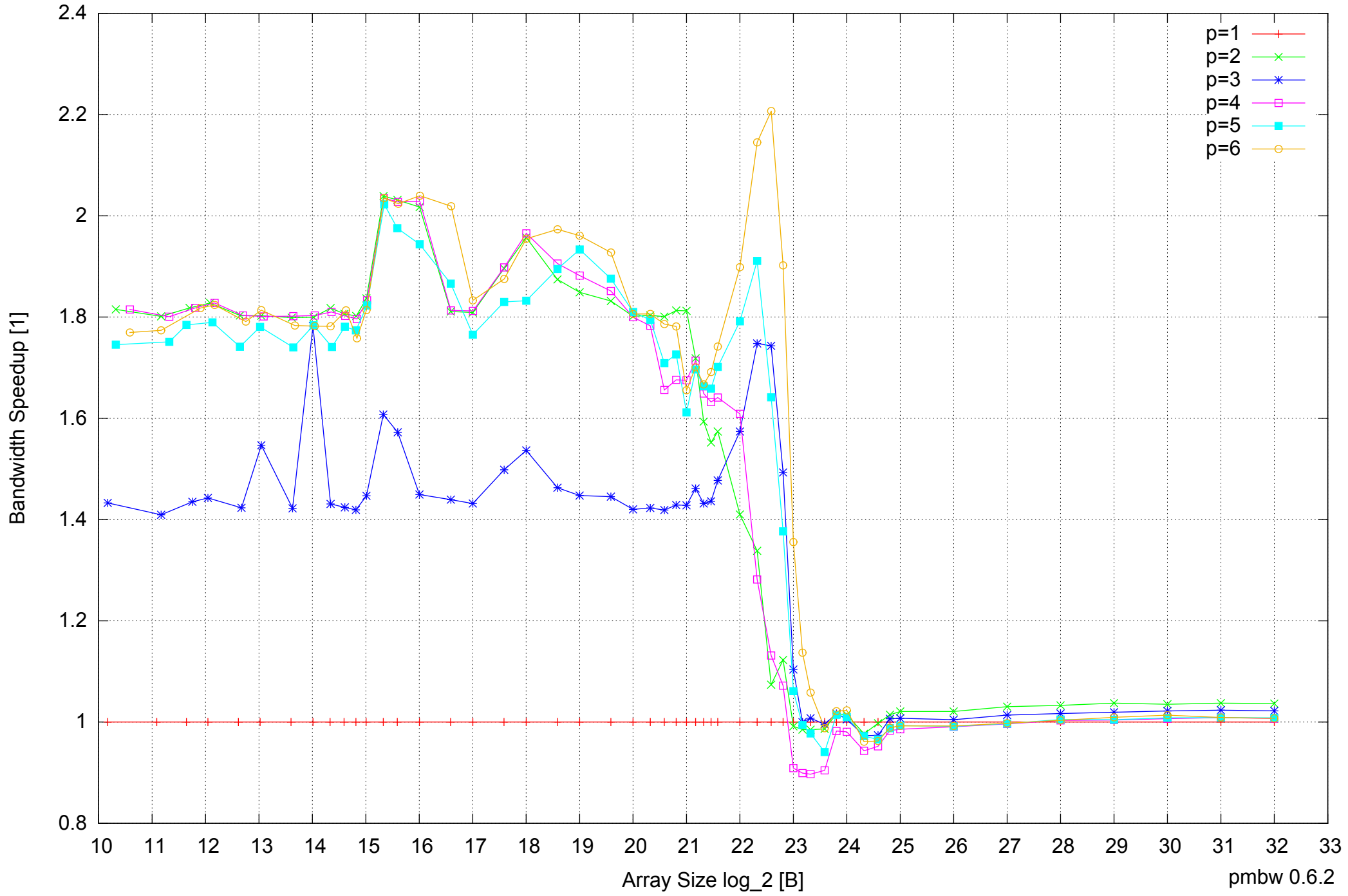
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



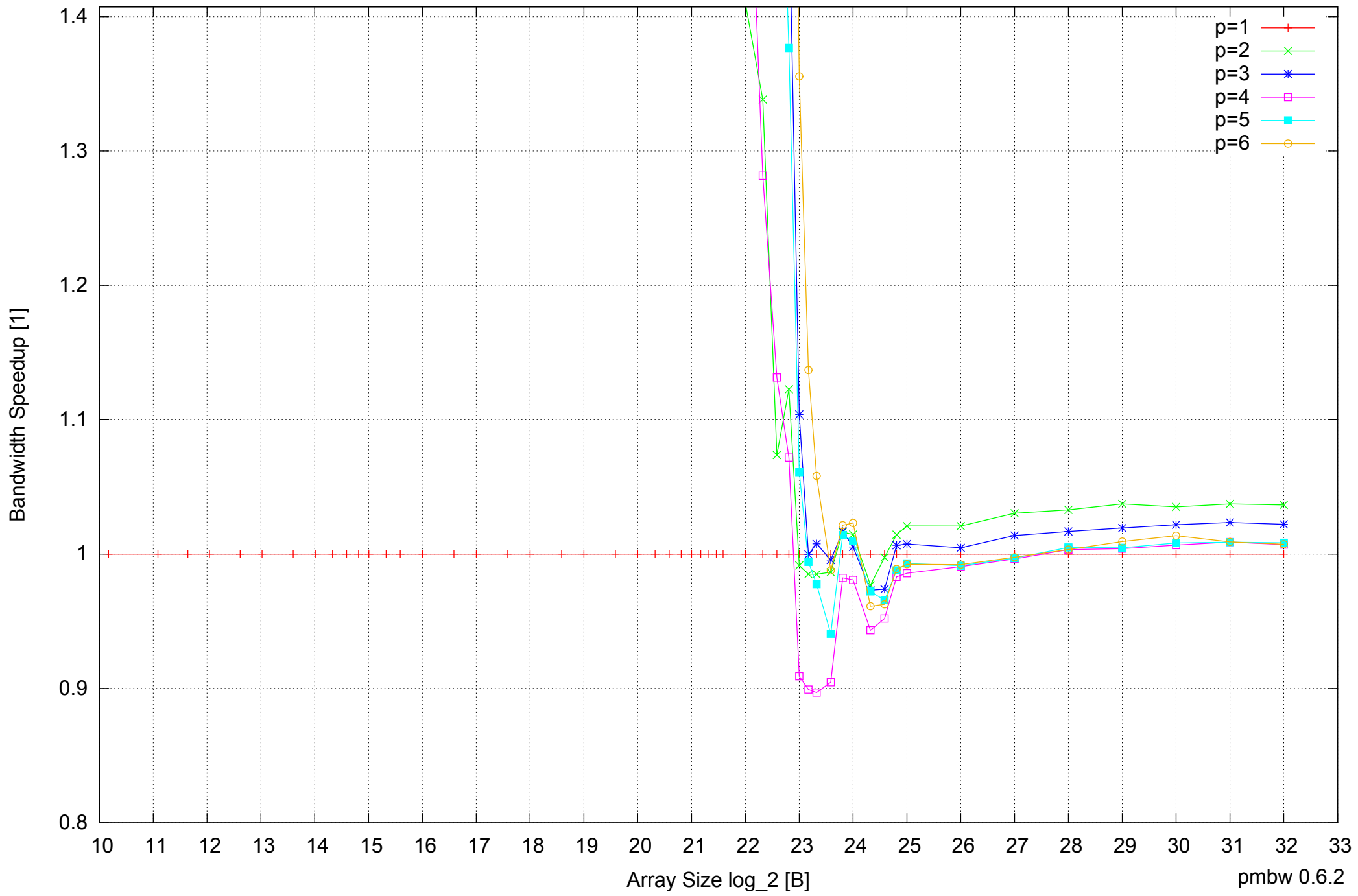
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop



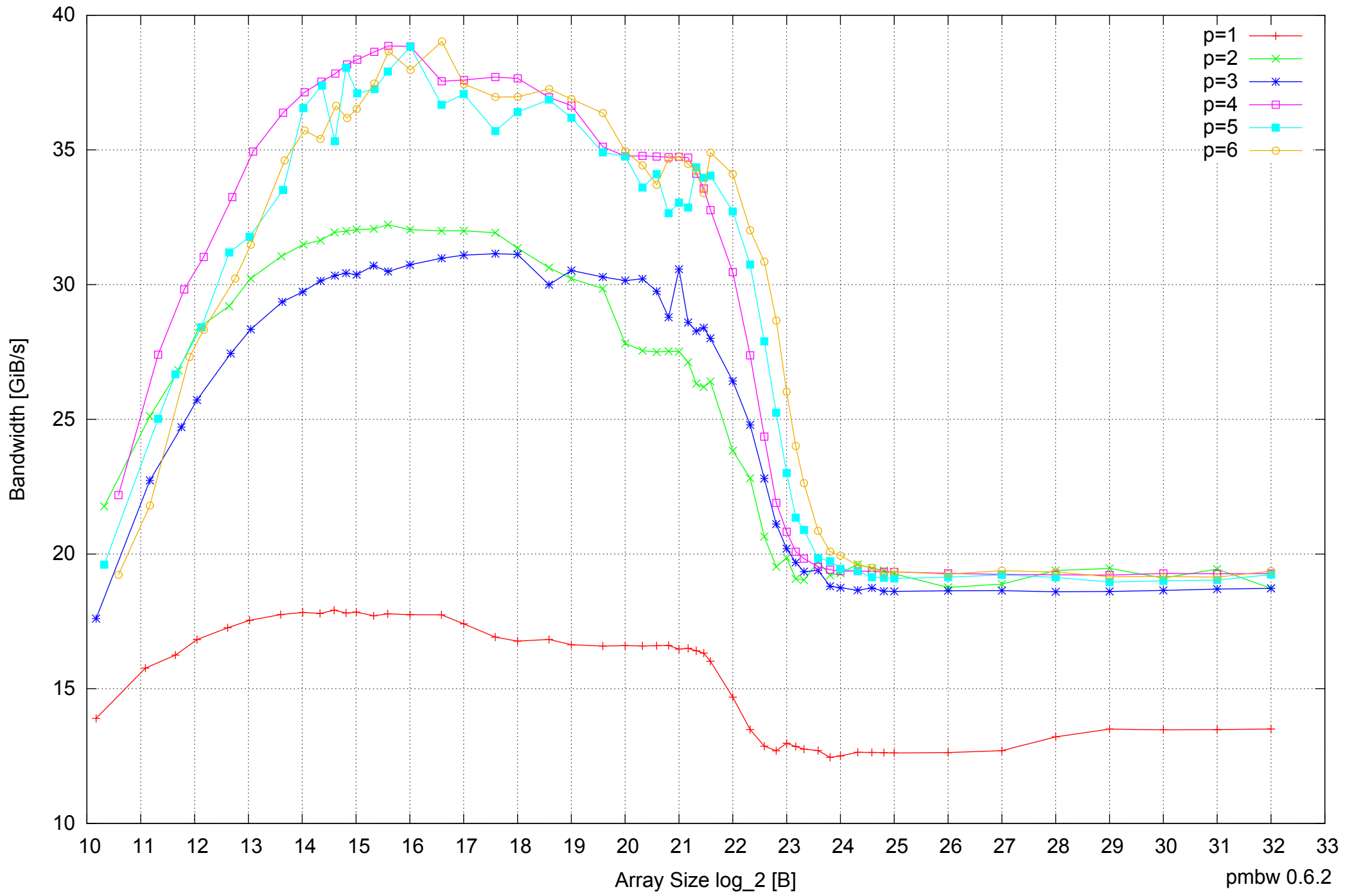
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



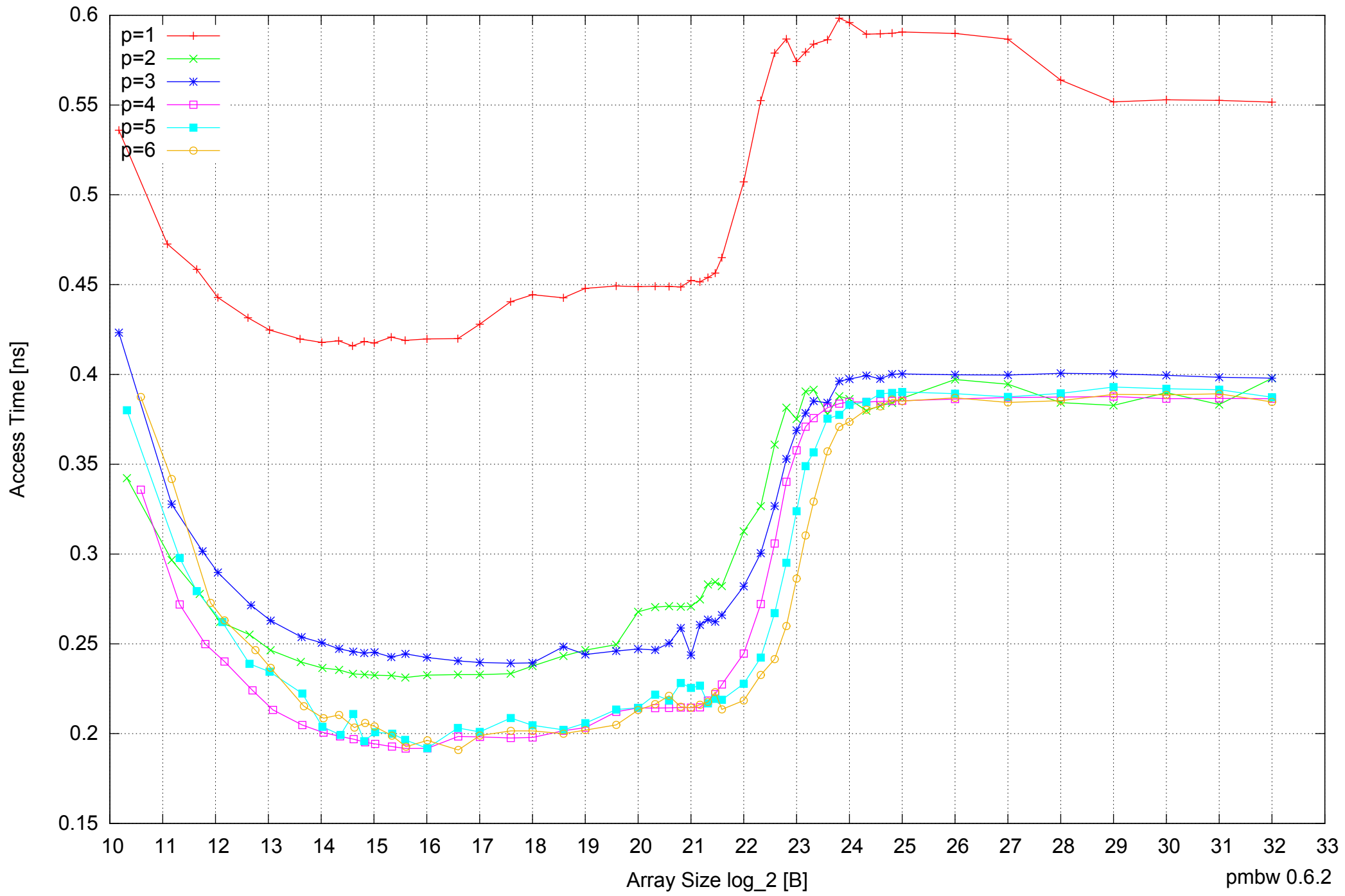
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



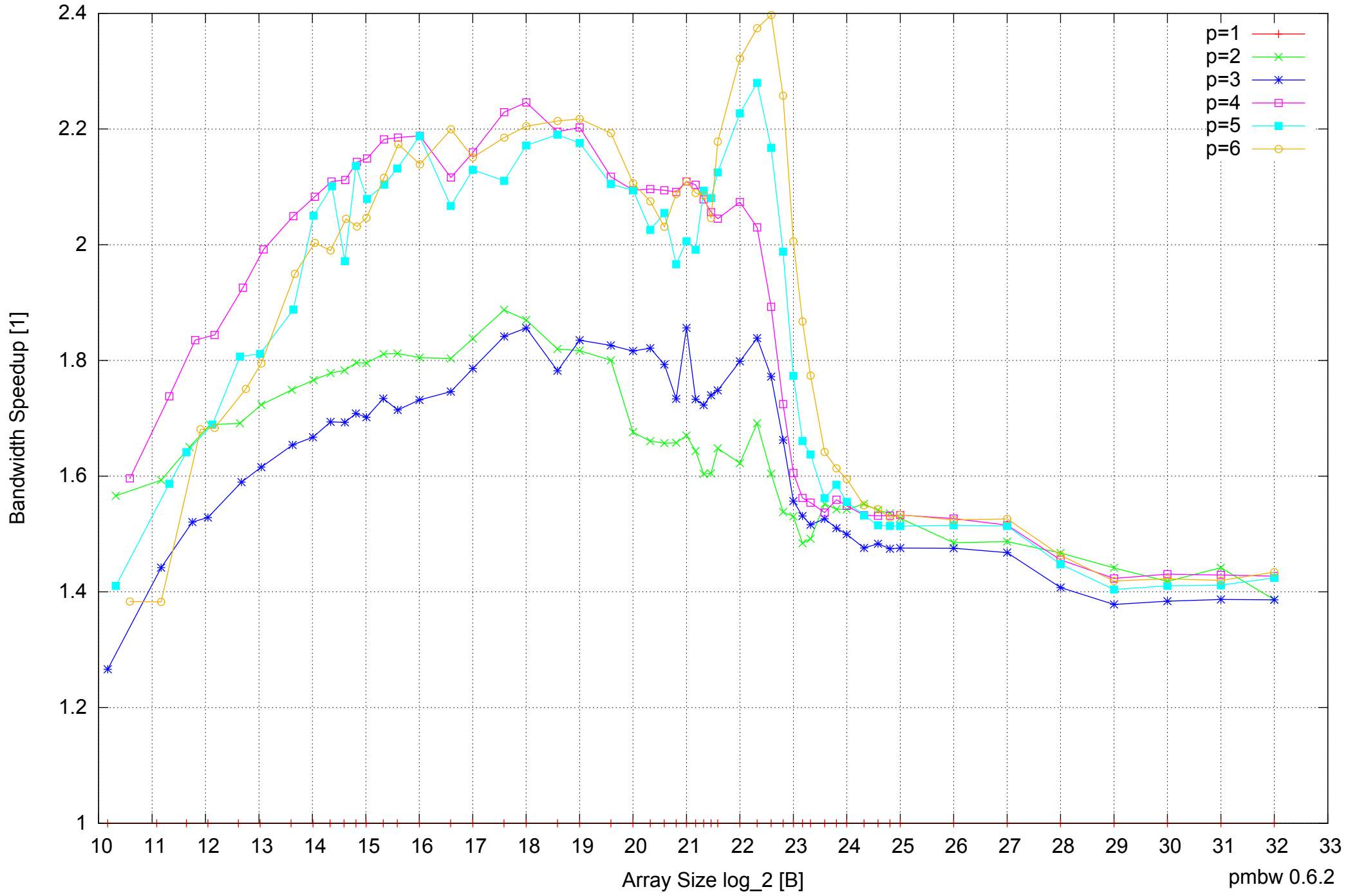
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop



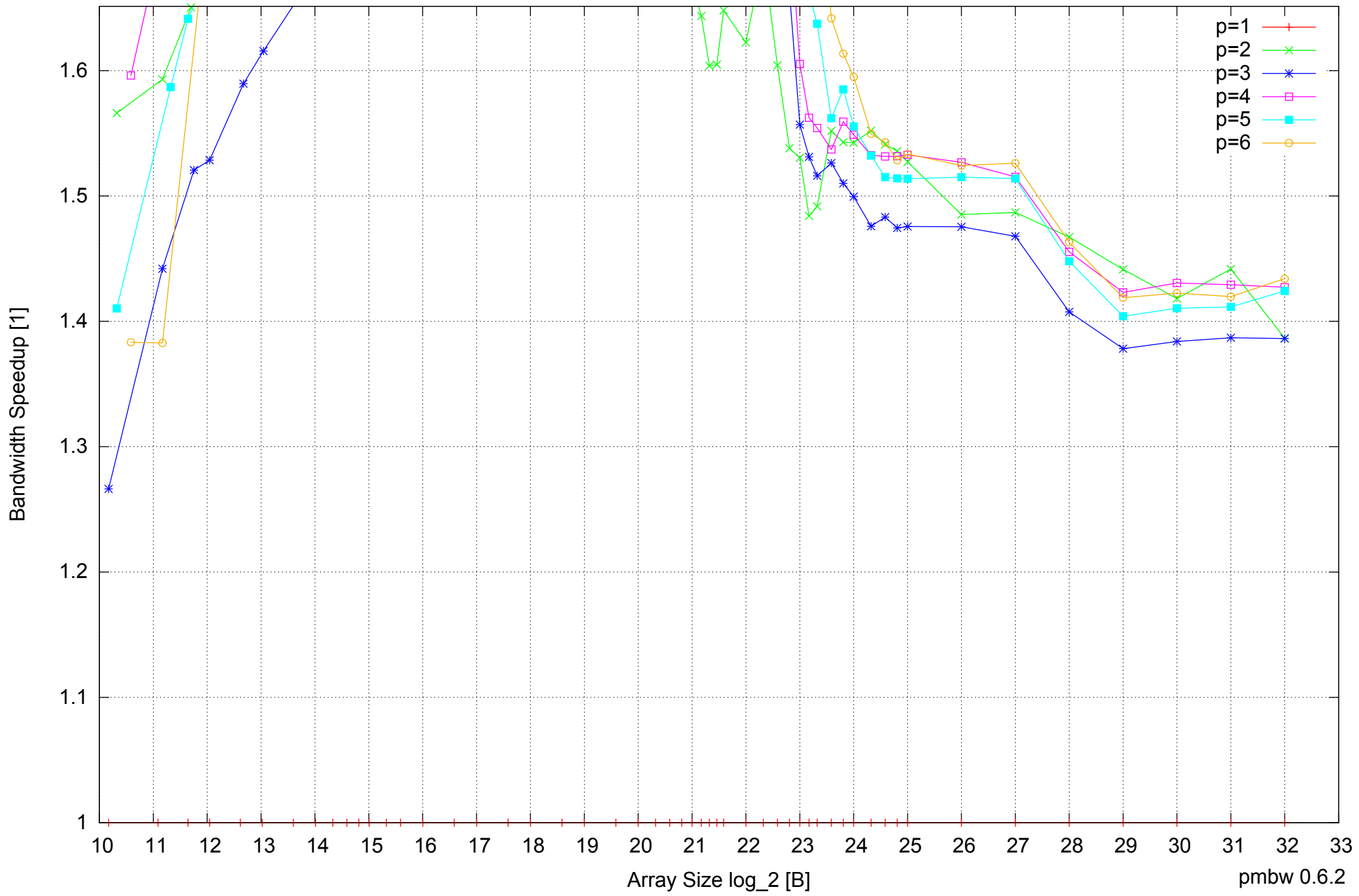
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead64PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop

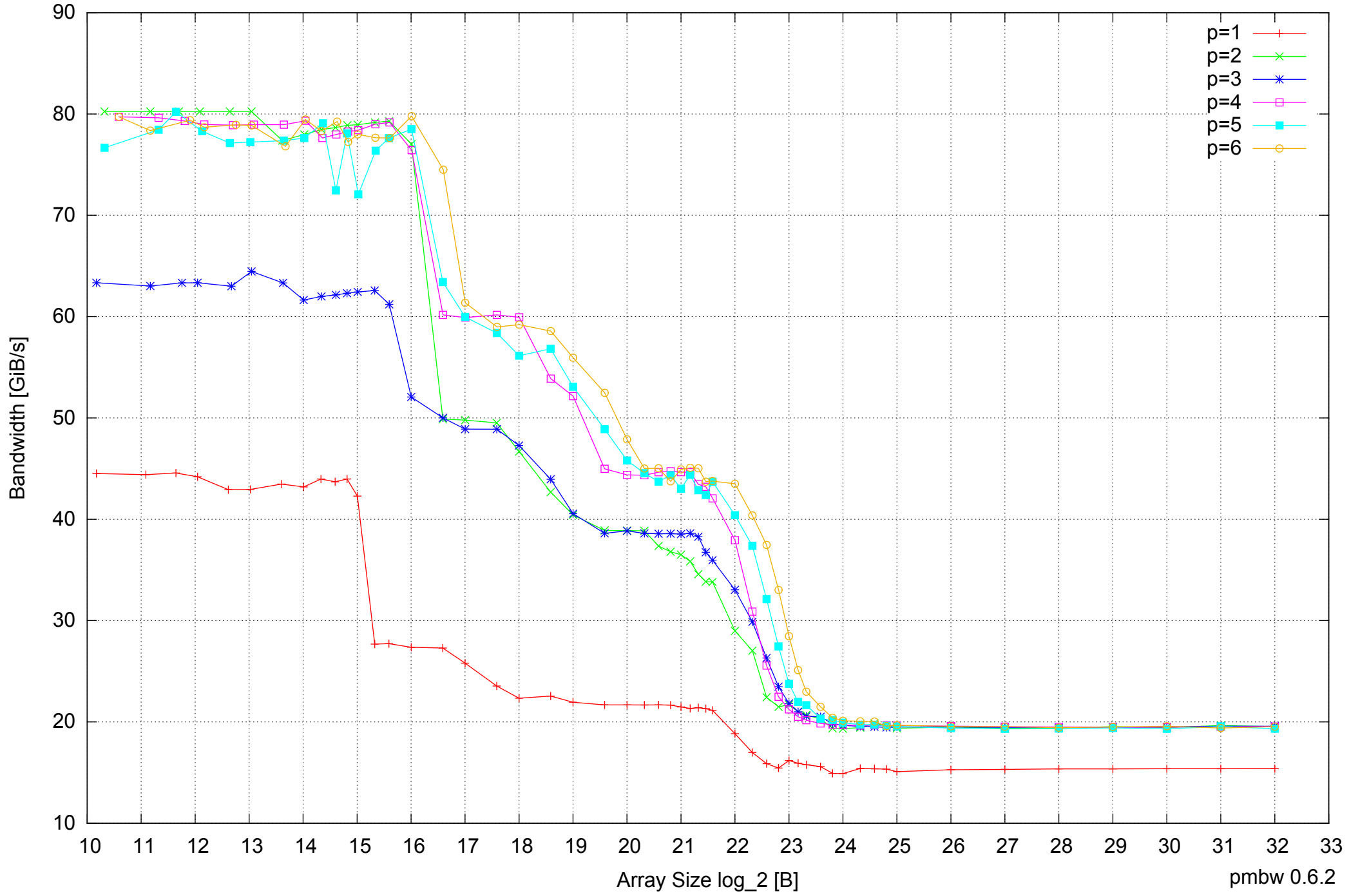


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop

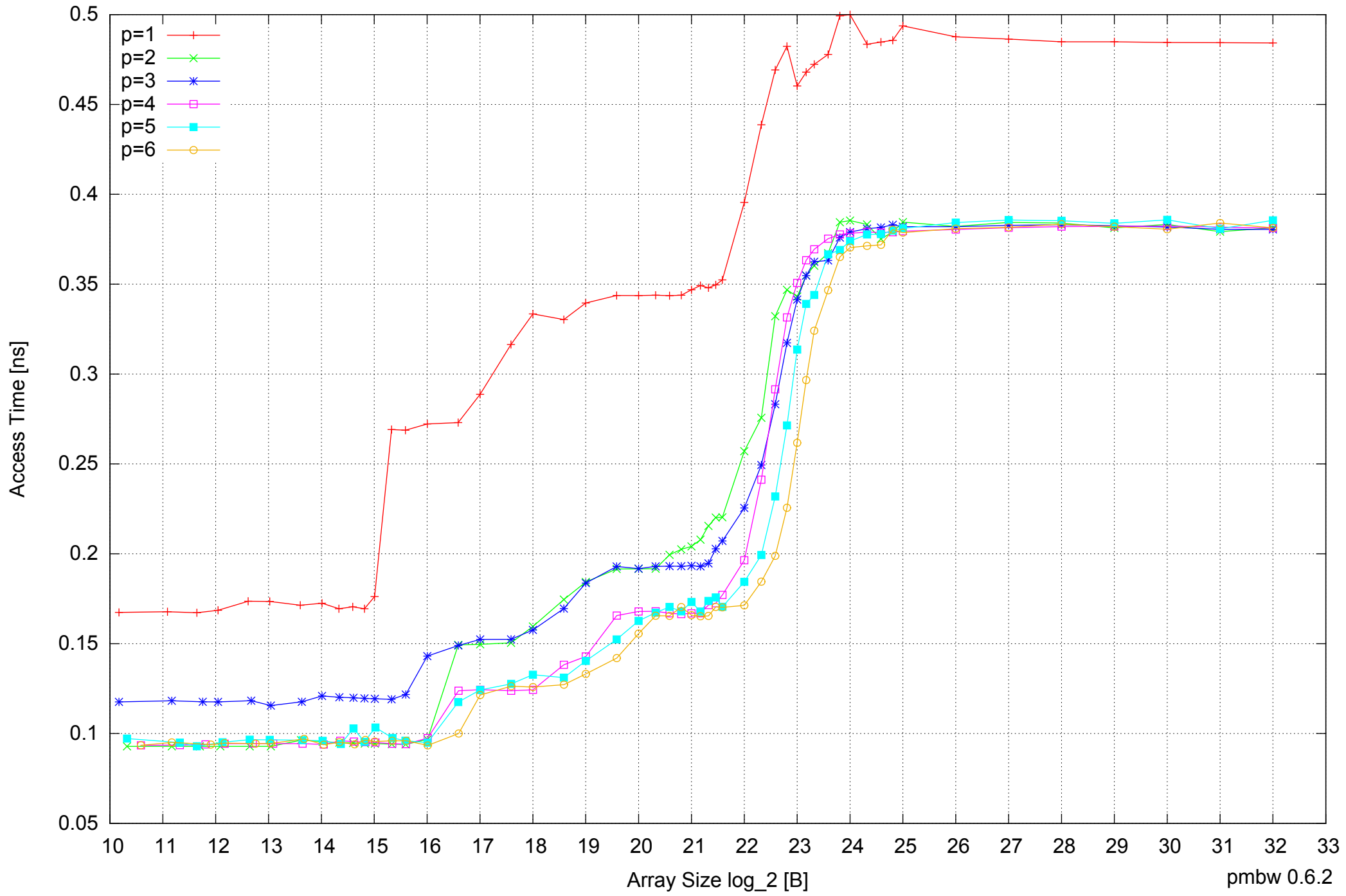




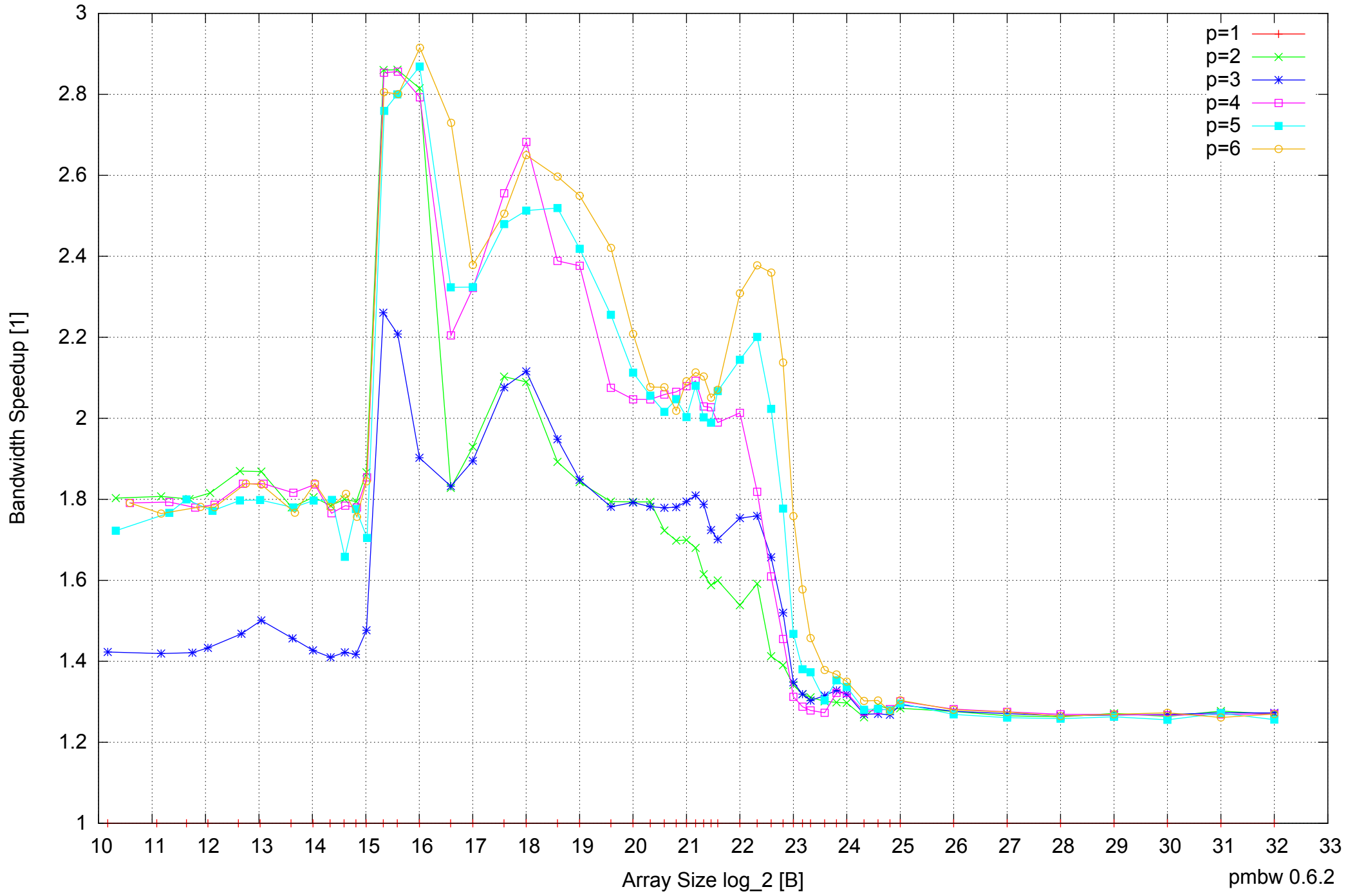
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



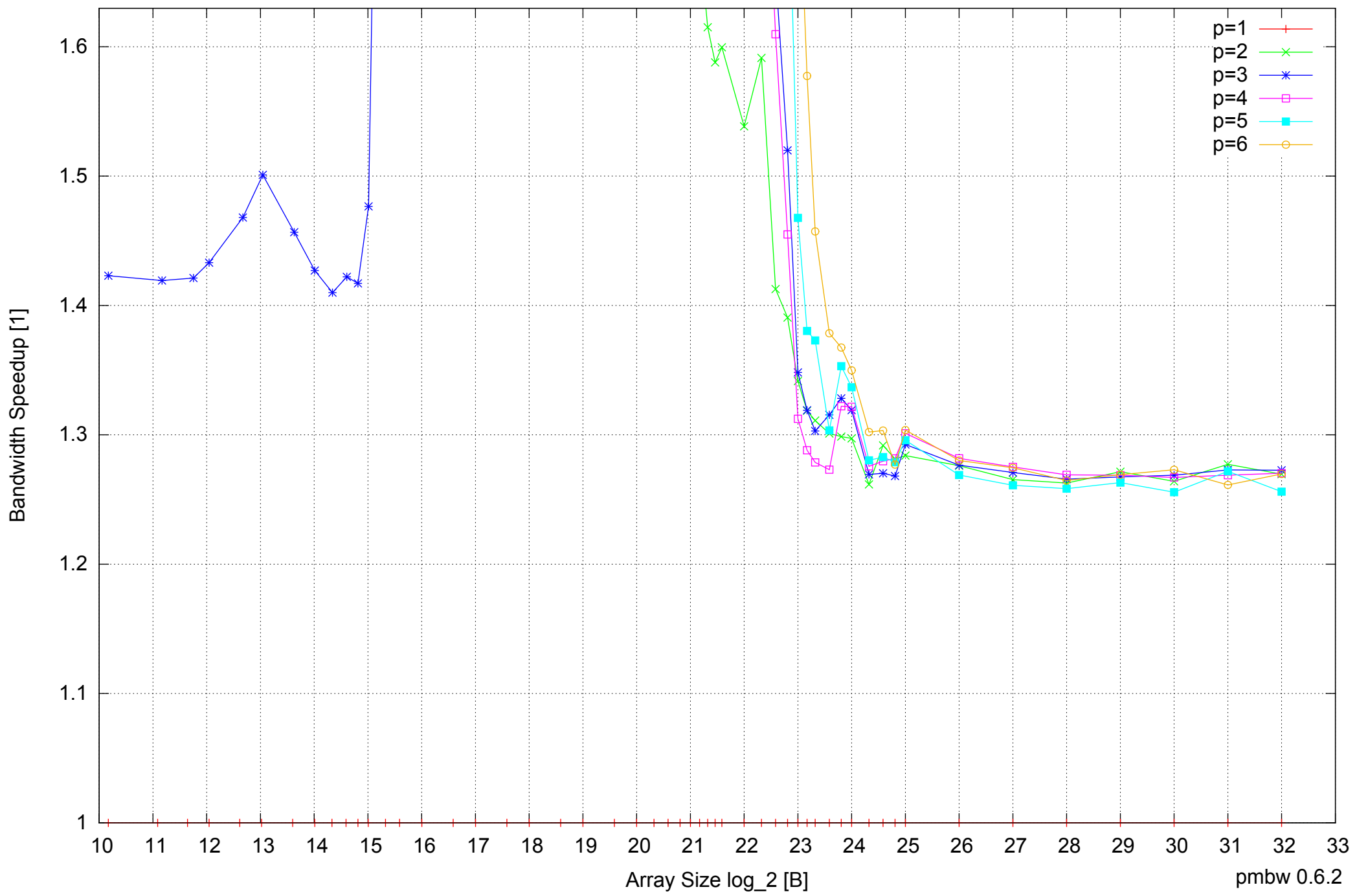
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead64PtrUnrollLoop



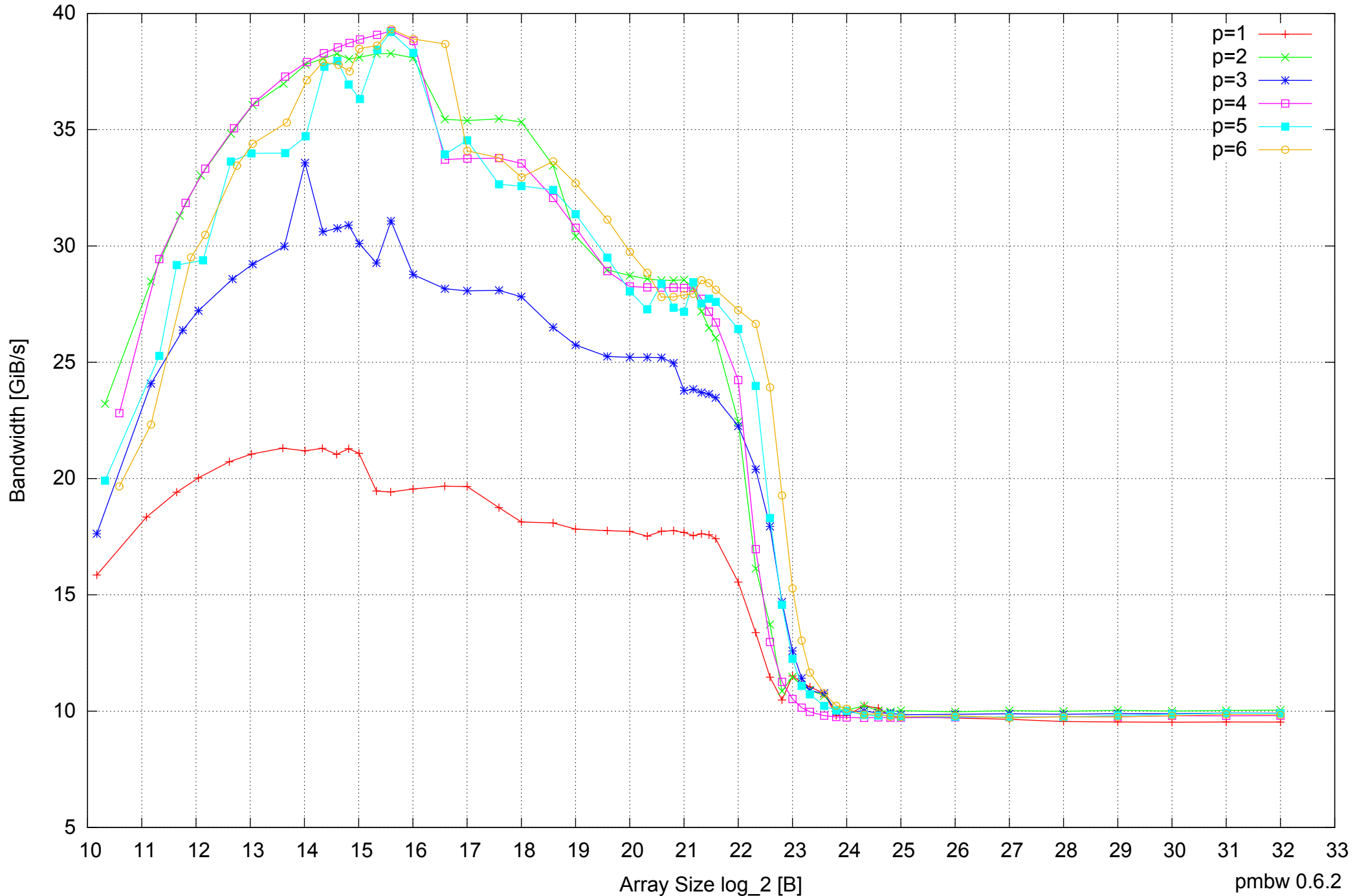
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



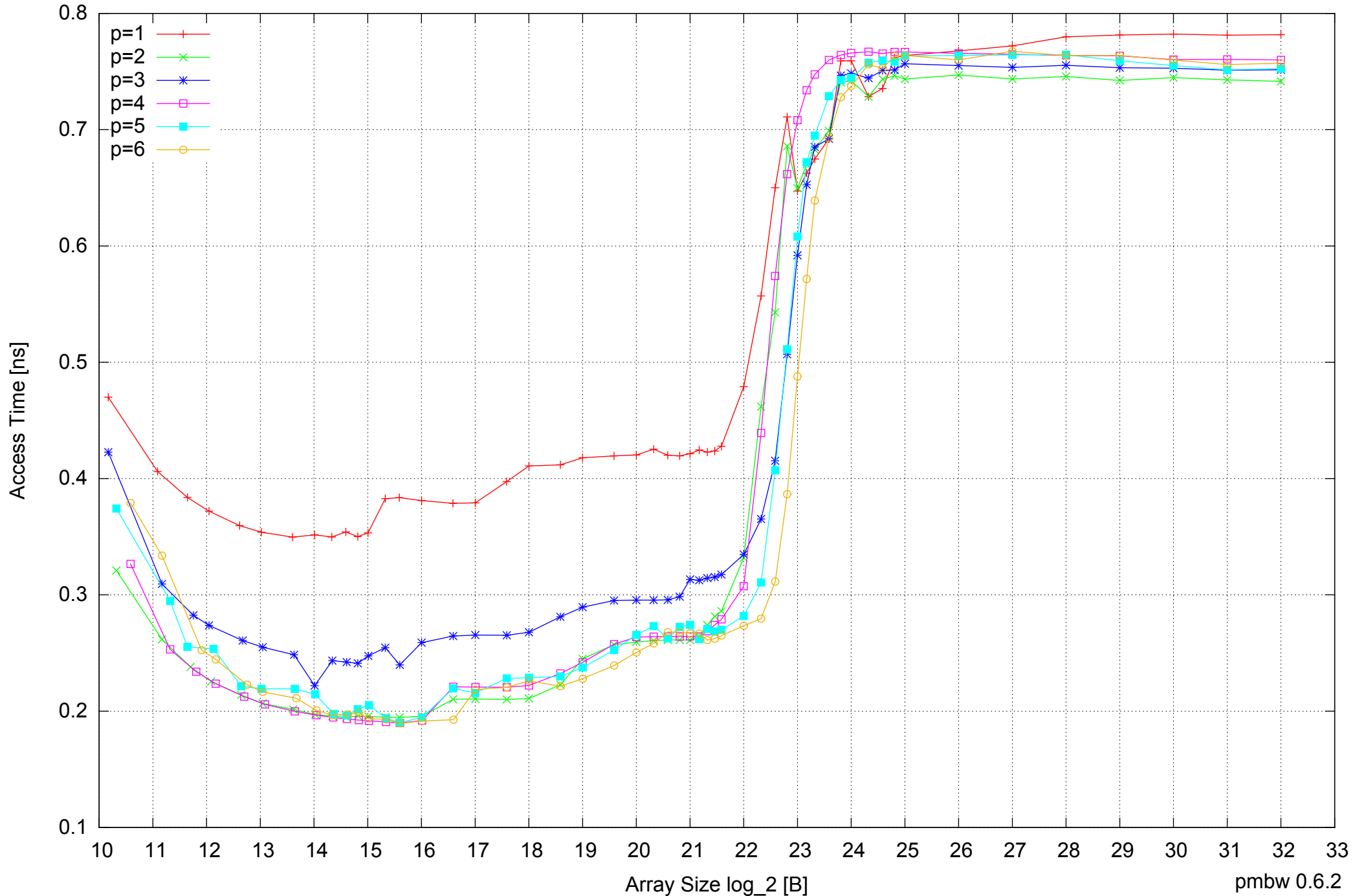
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



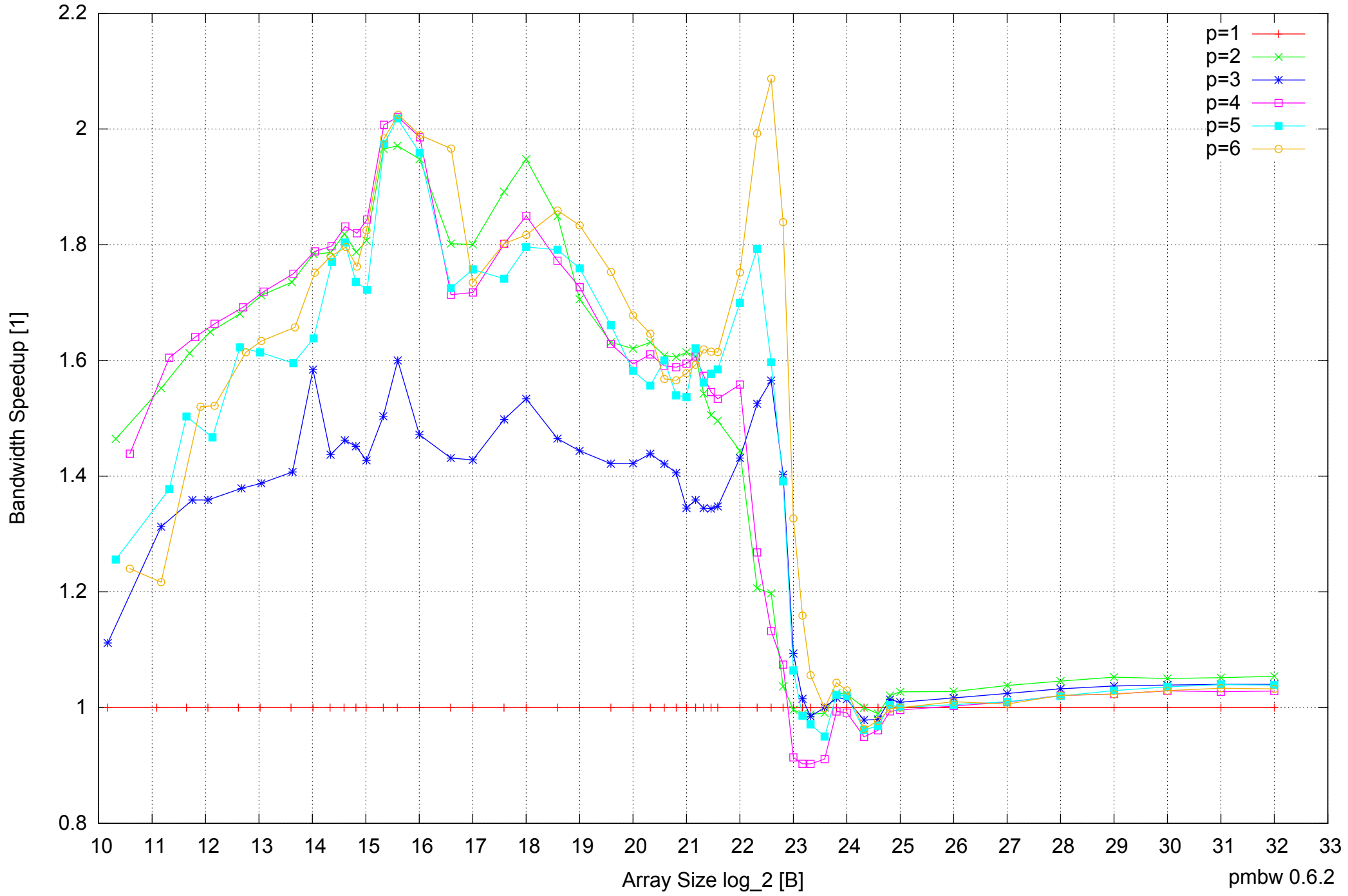
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite64IndexSimpleLoop



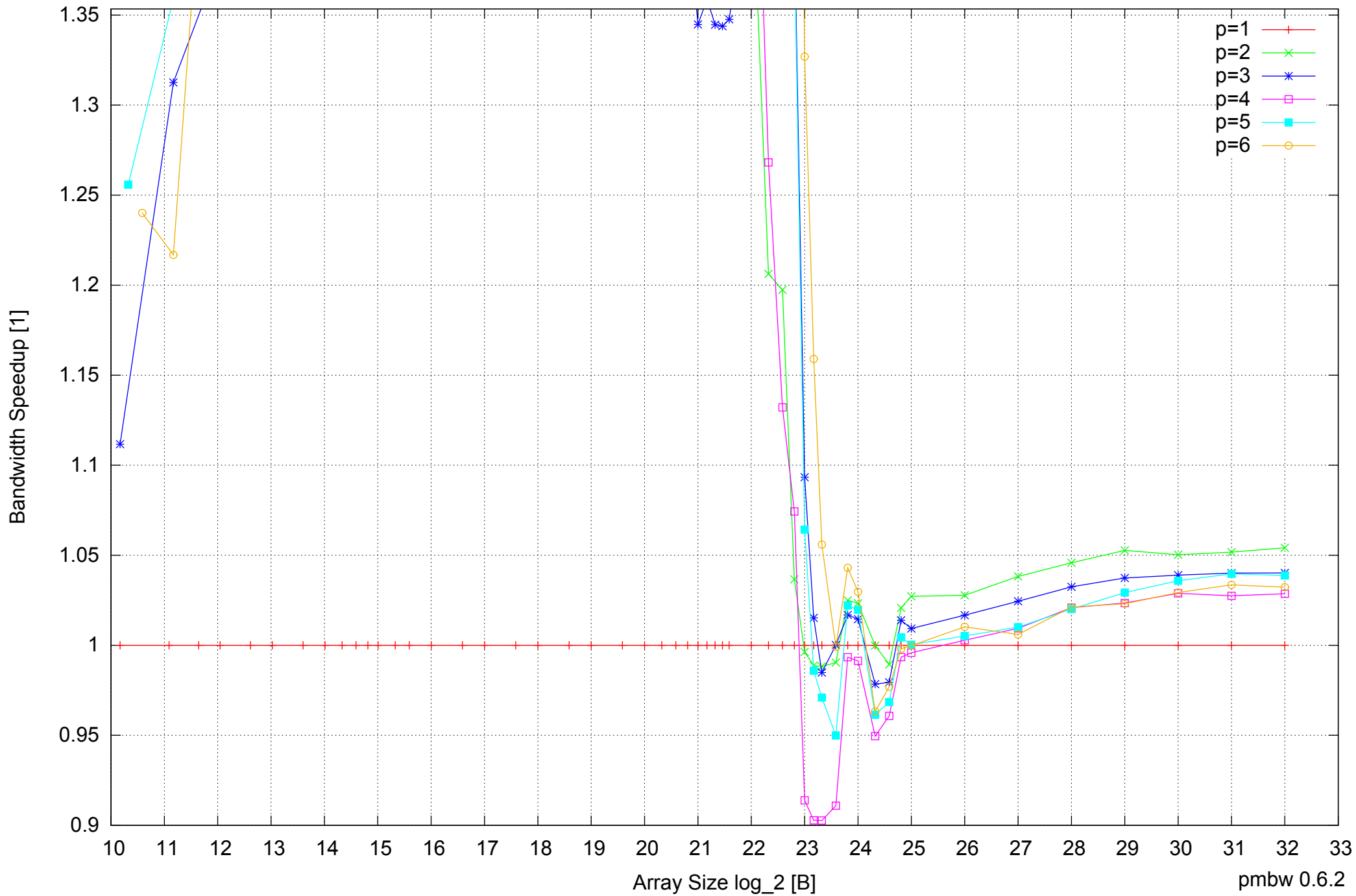
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite64IndexSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexSimpleLoop

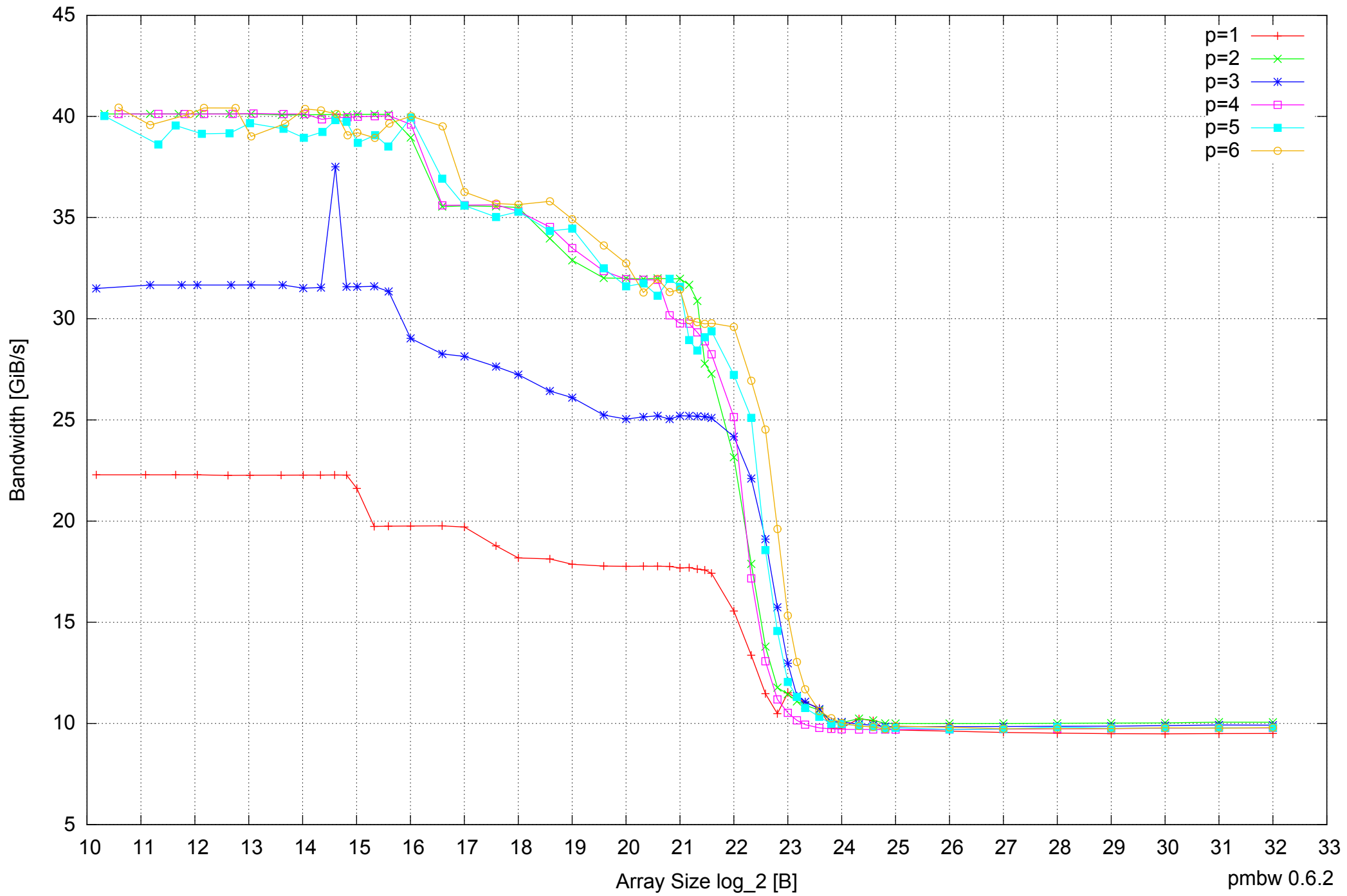


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop

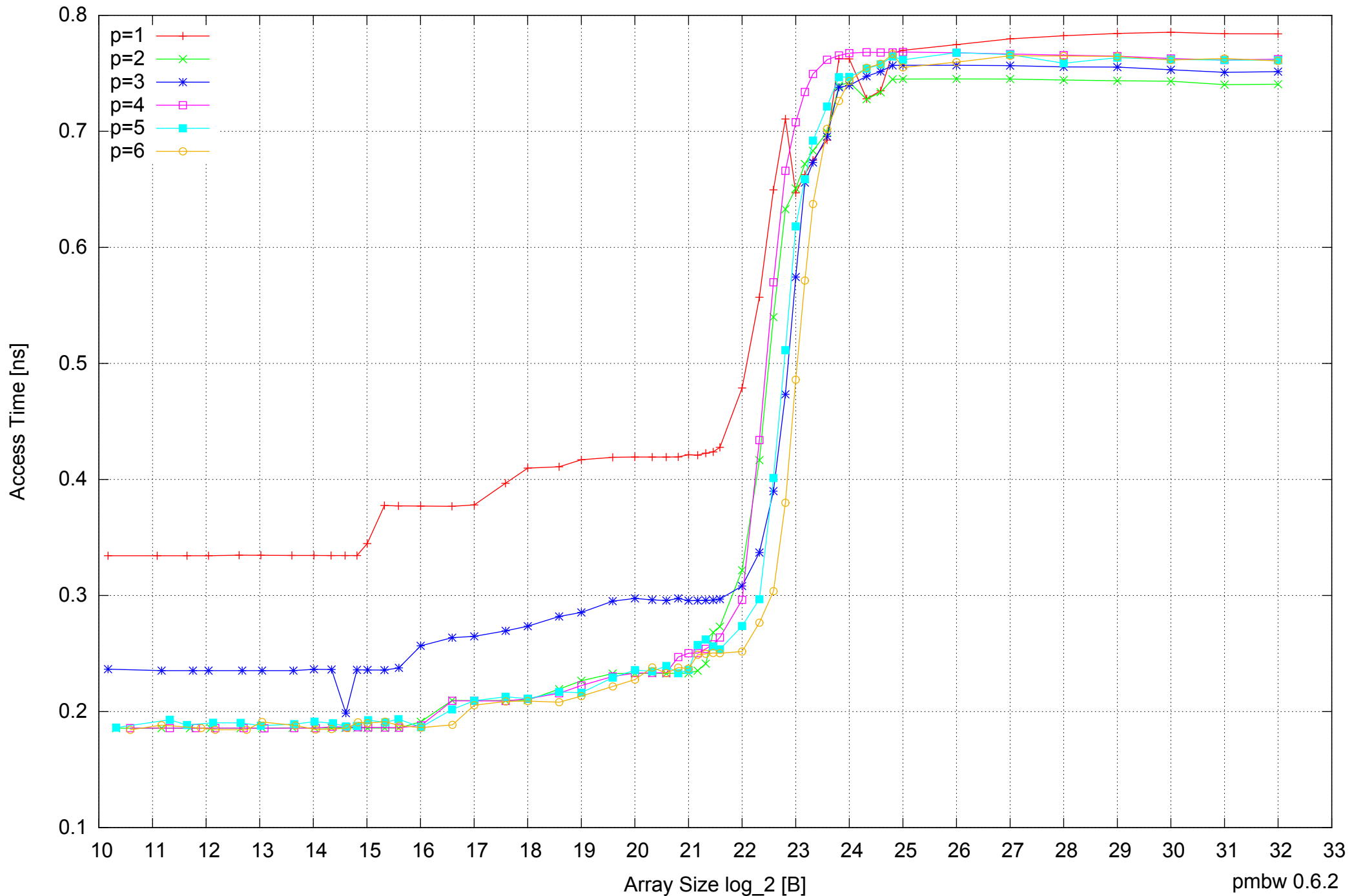




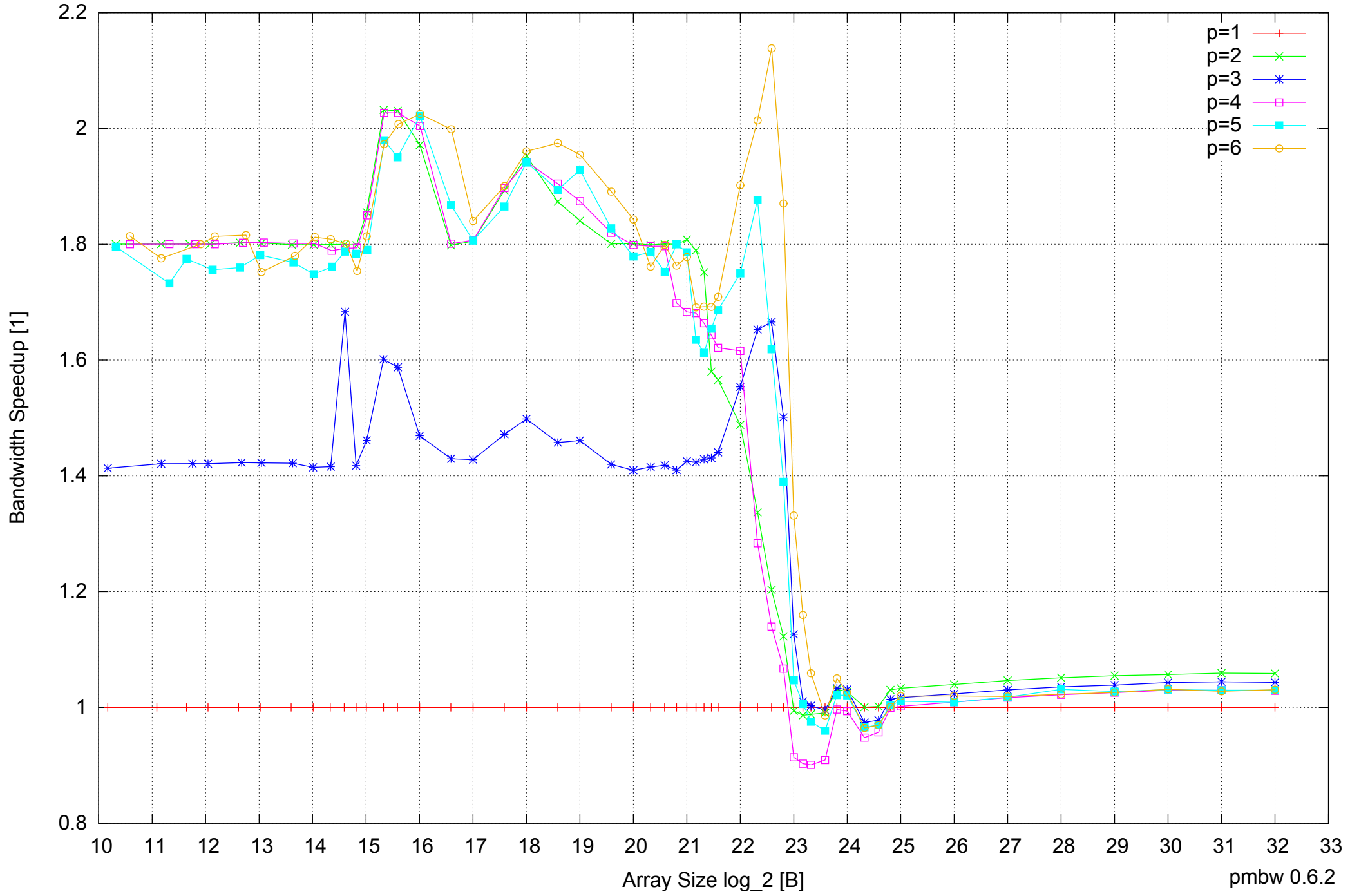
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite64IndexUnrollLoop



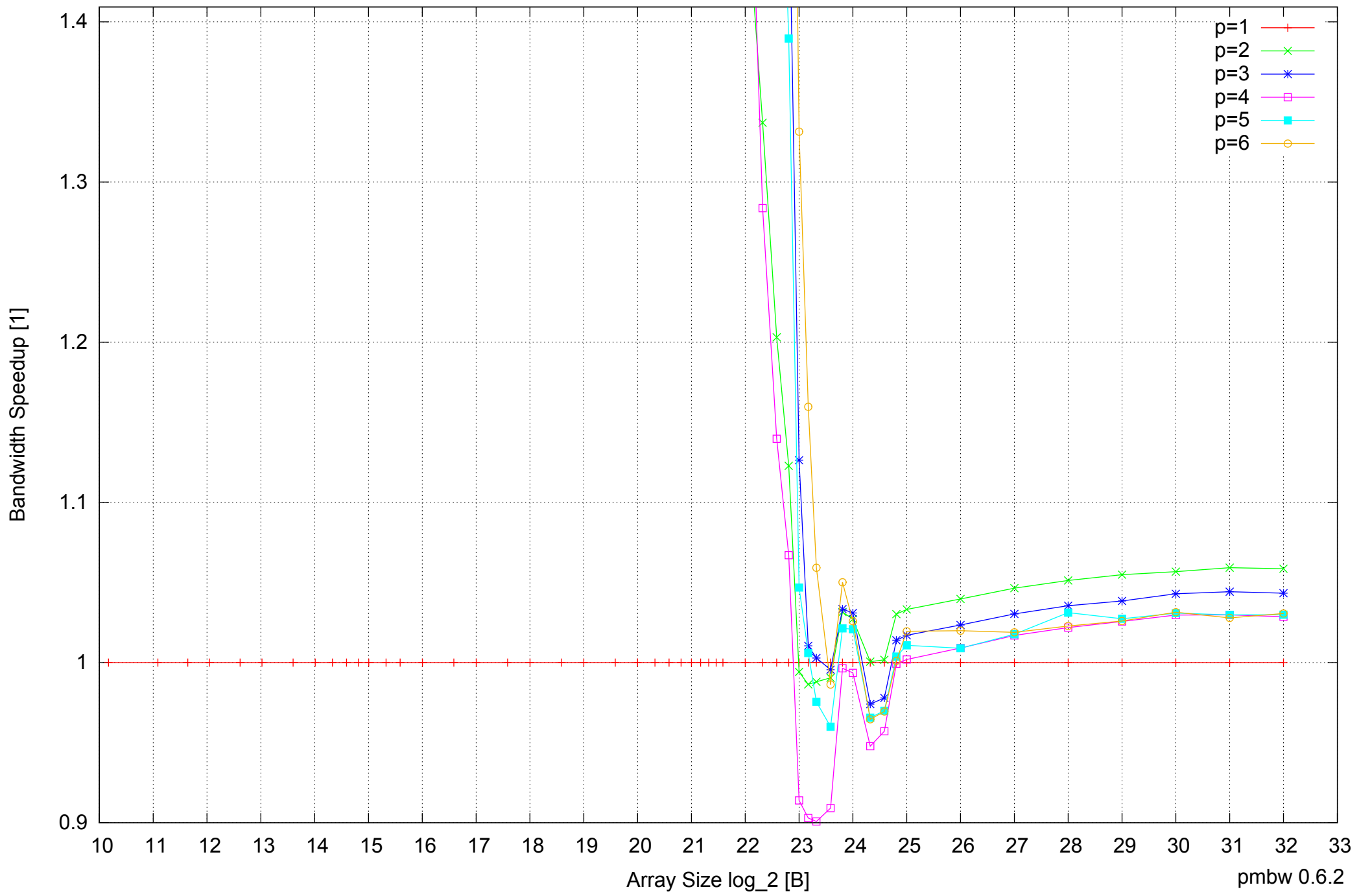
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite64IndexUnrollLoop



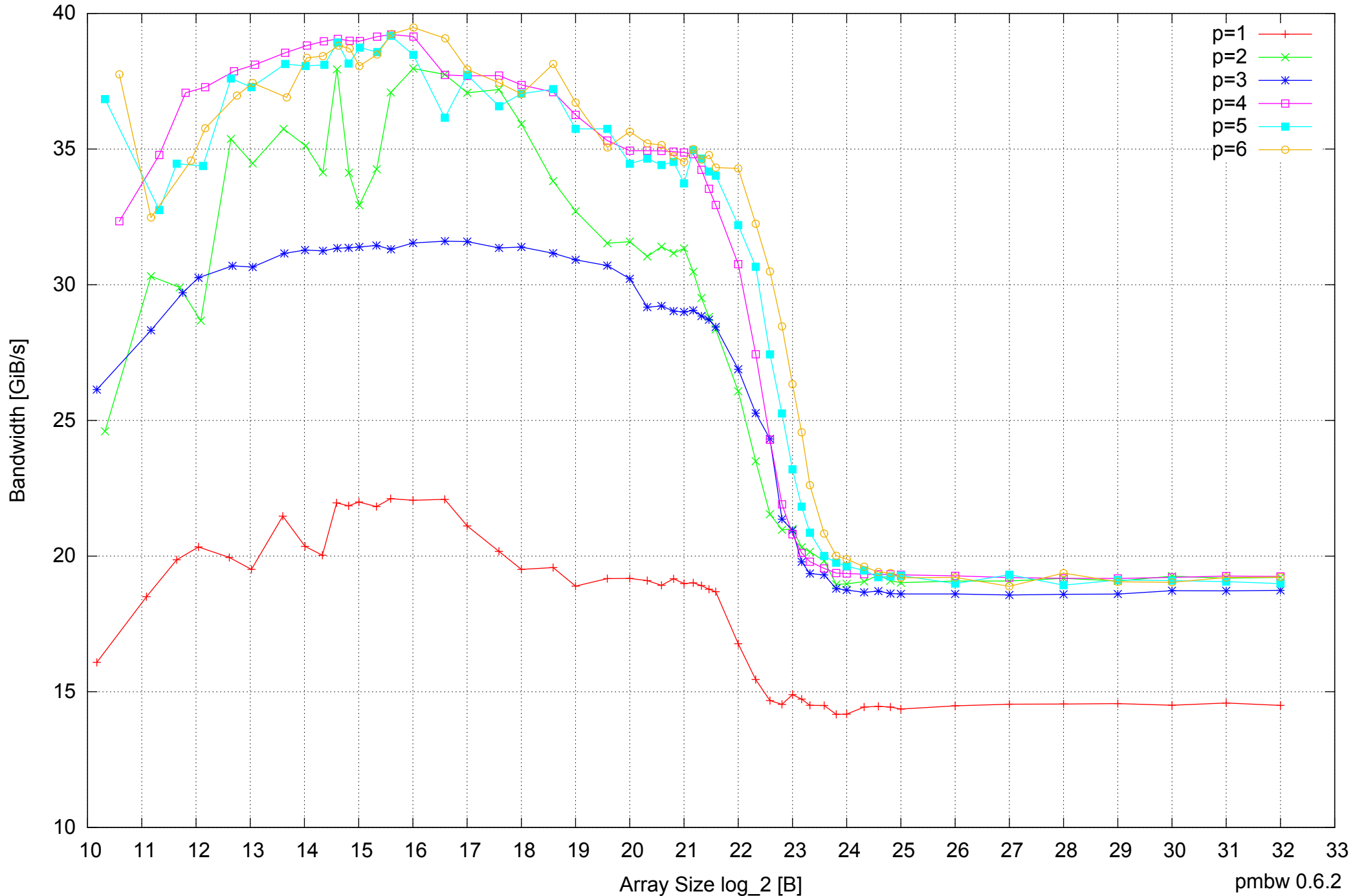
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexUnrollLoop



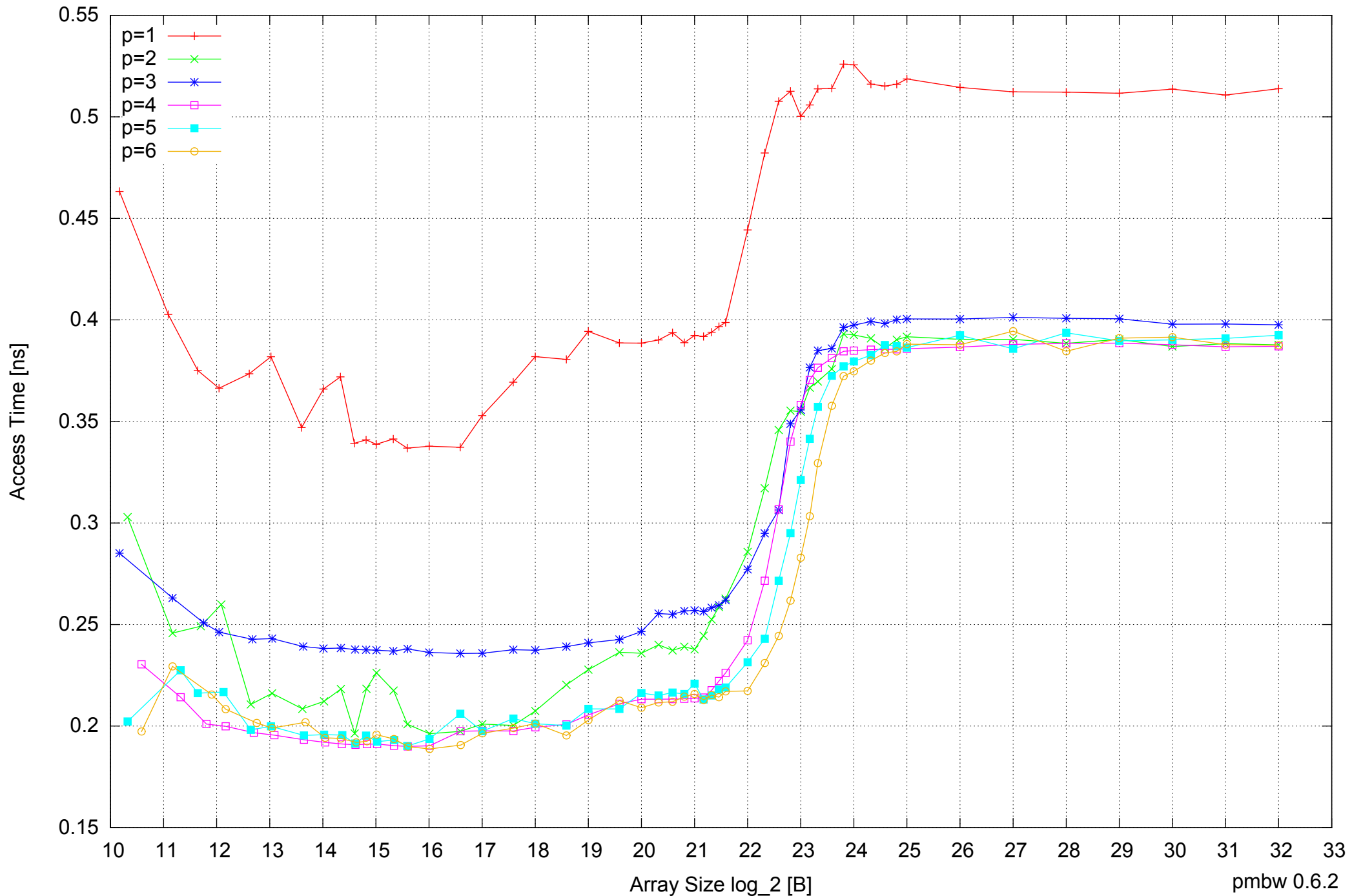
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64IndexUnrollLoop



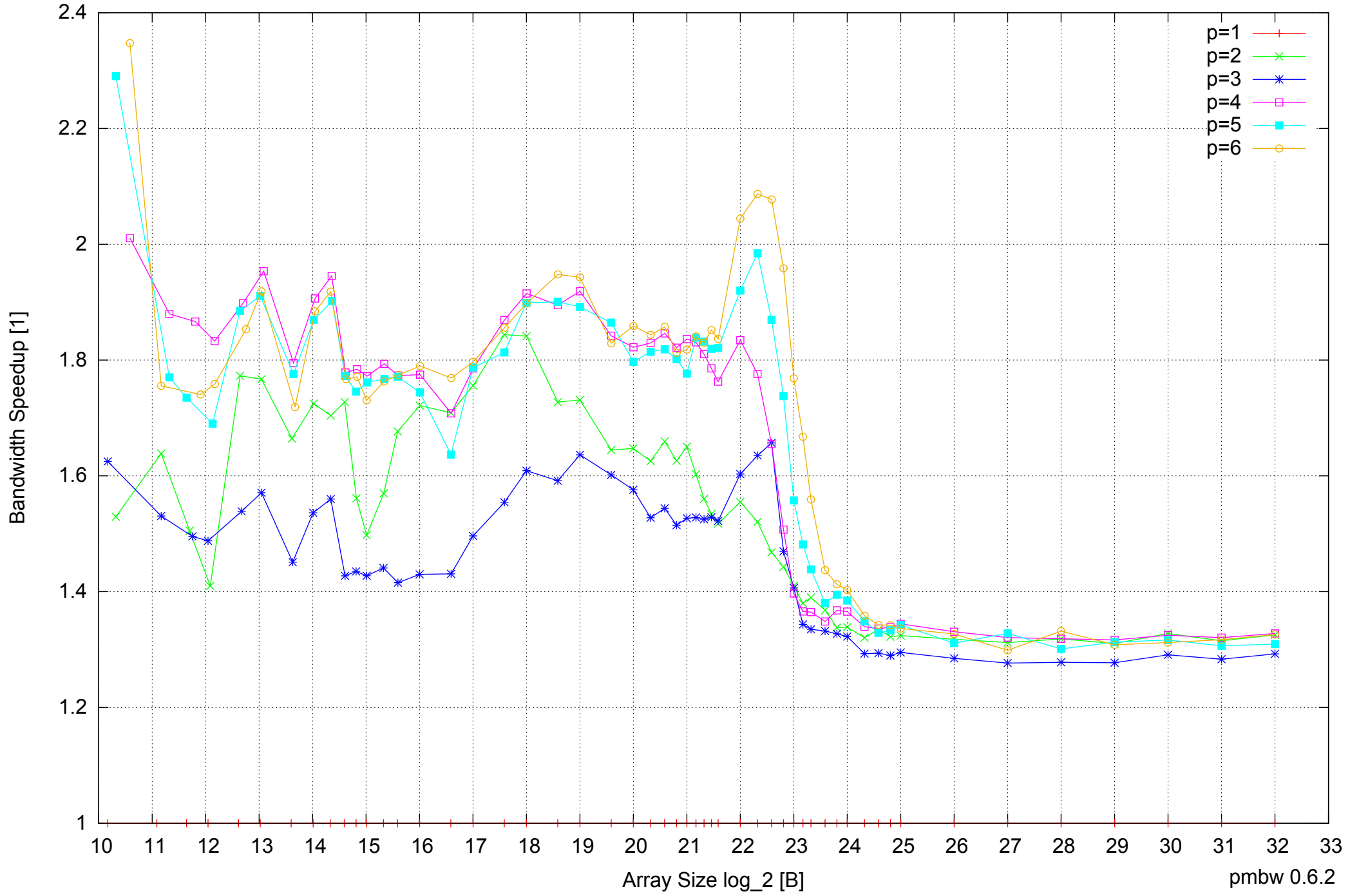
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead64IndexSimpleLoop



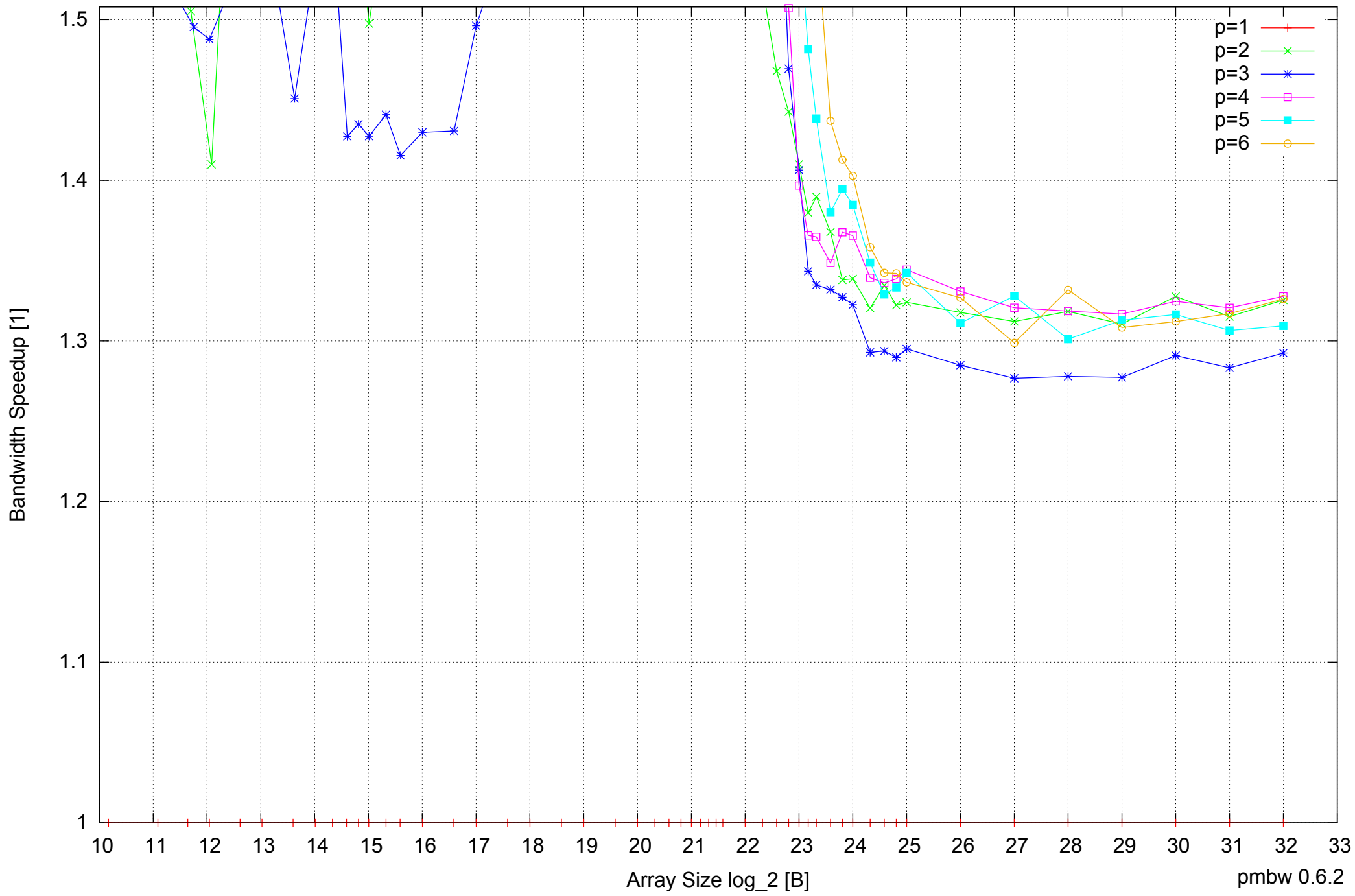
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead64IndexSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead64IndexSimpleLoop

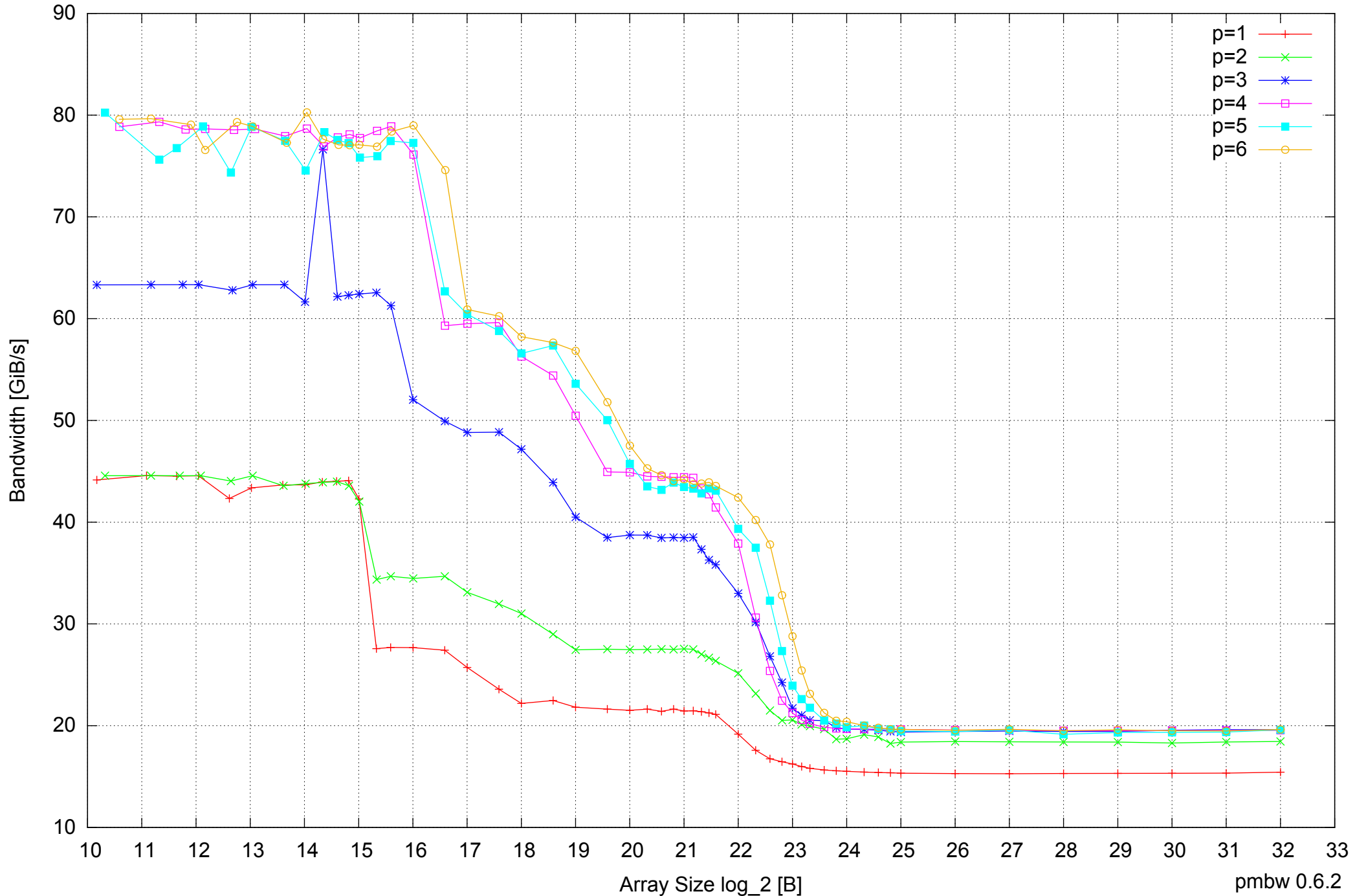


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64IndexSimpleLoop

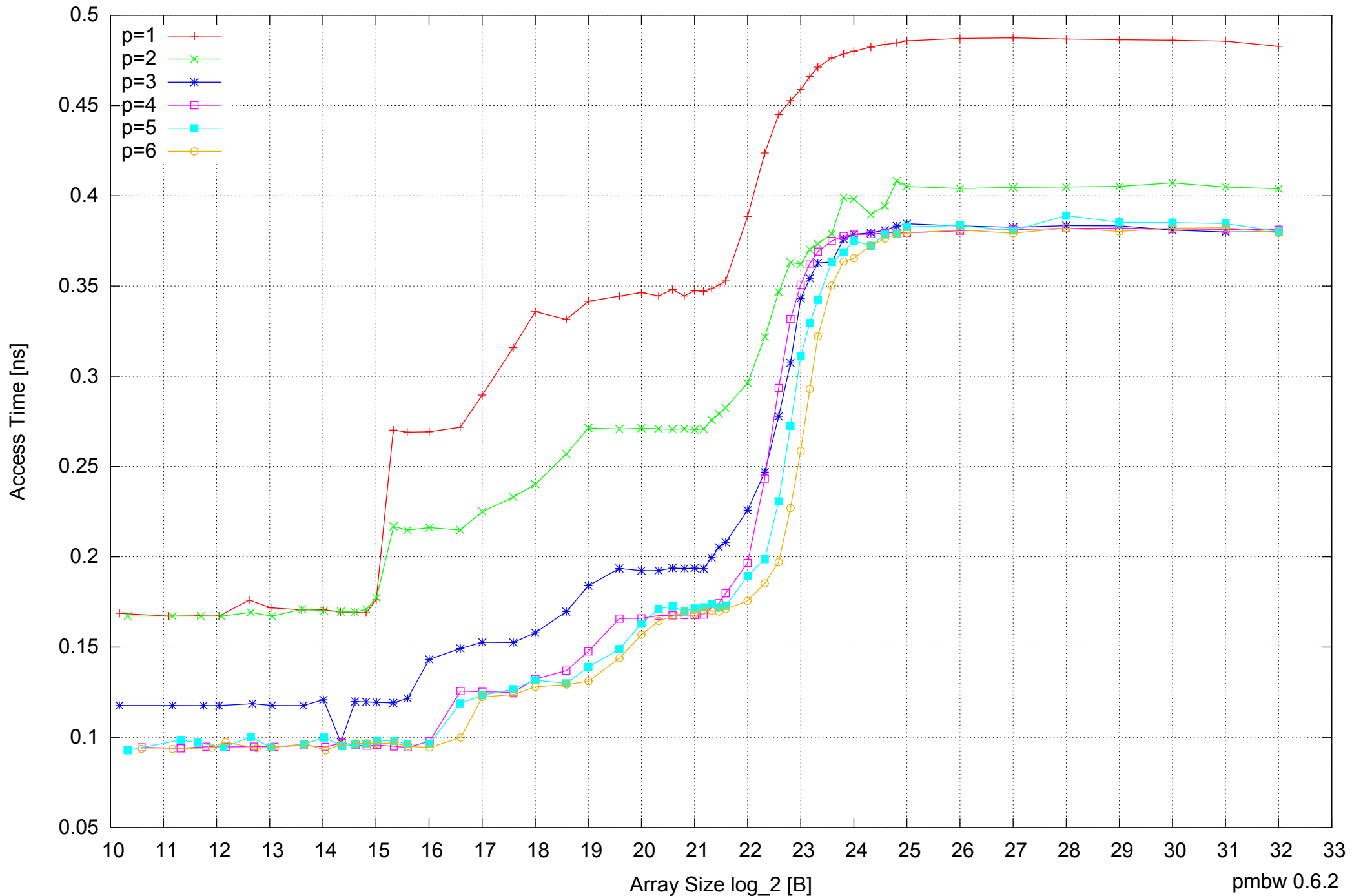




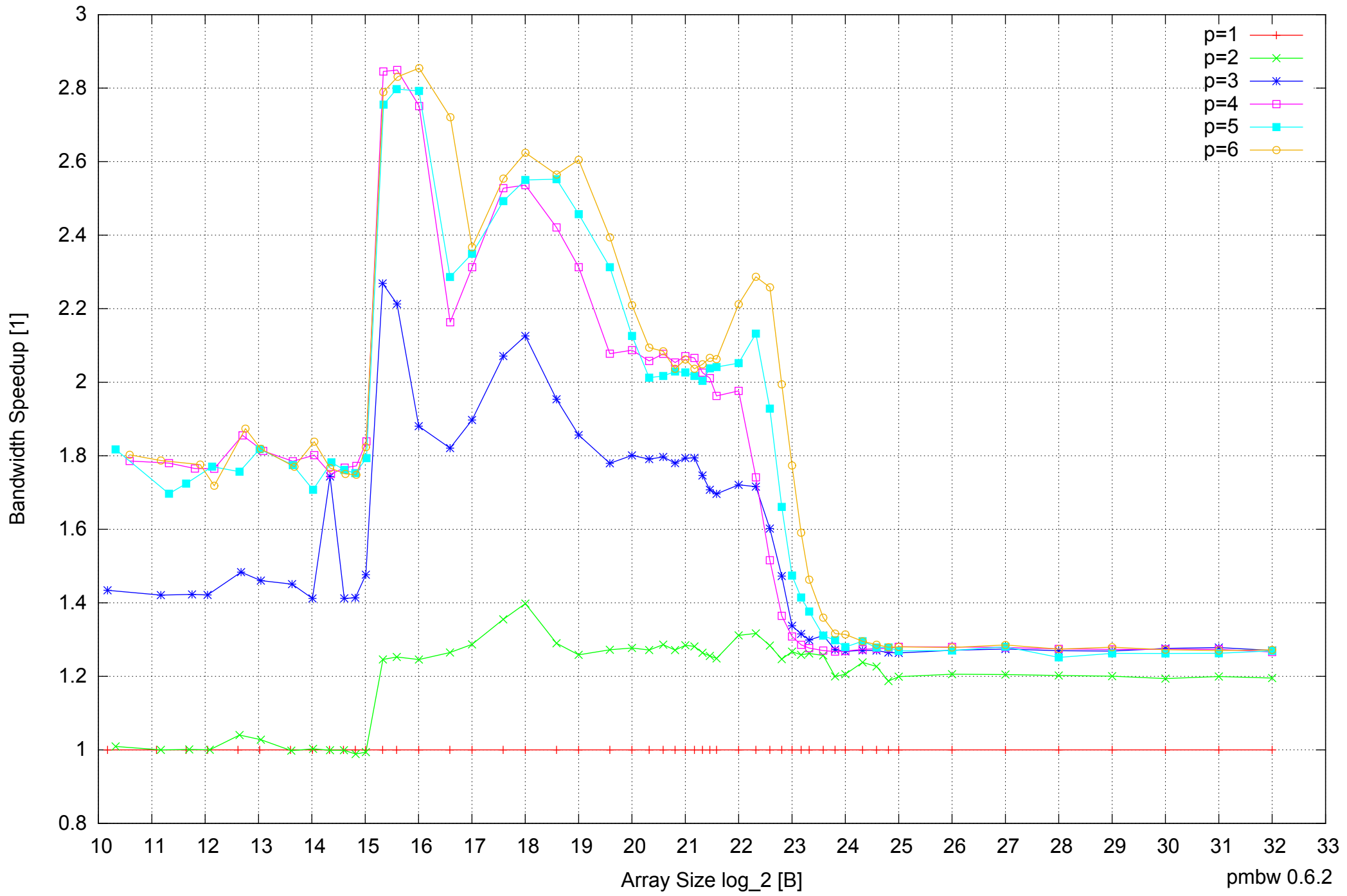
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop



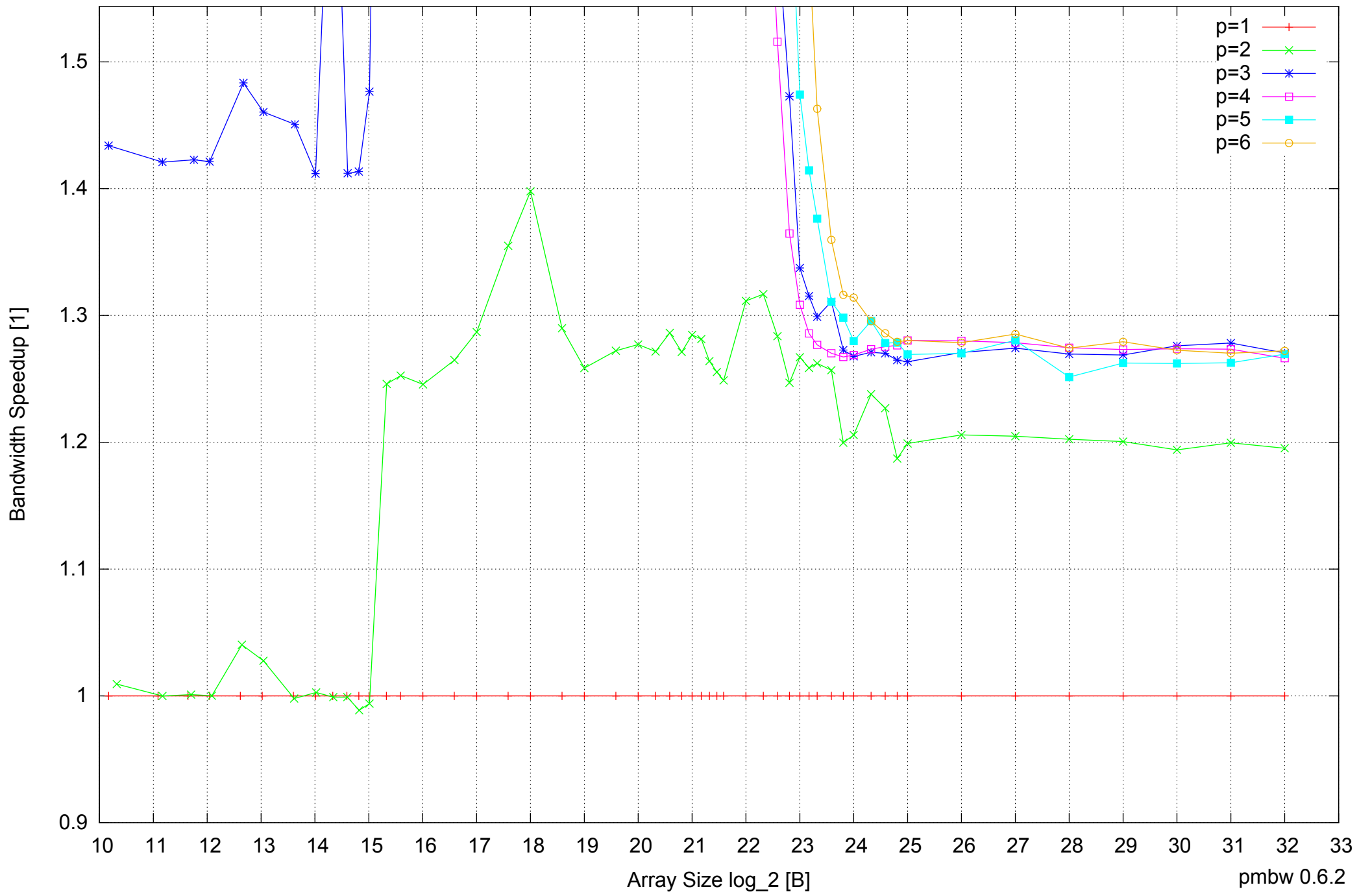
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead64IndexUnrollLoop



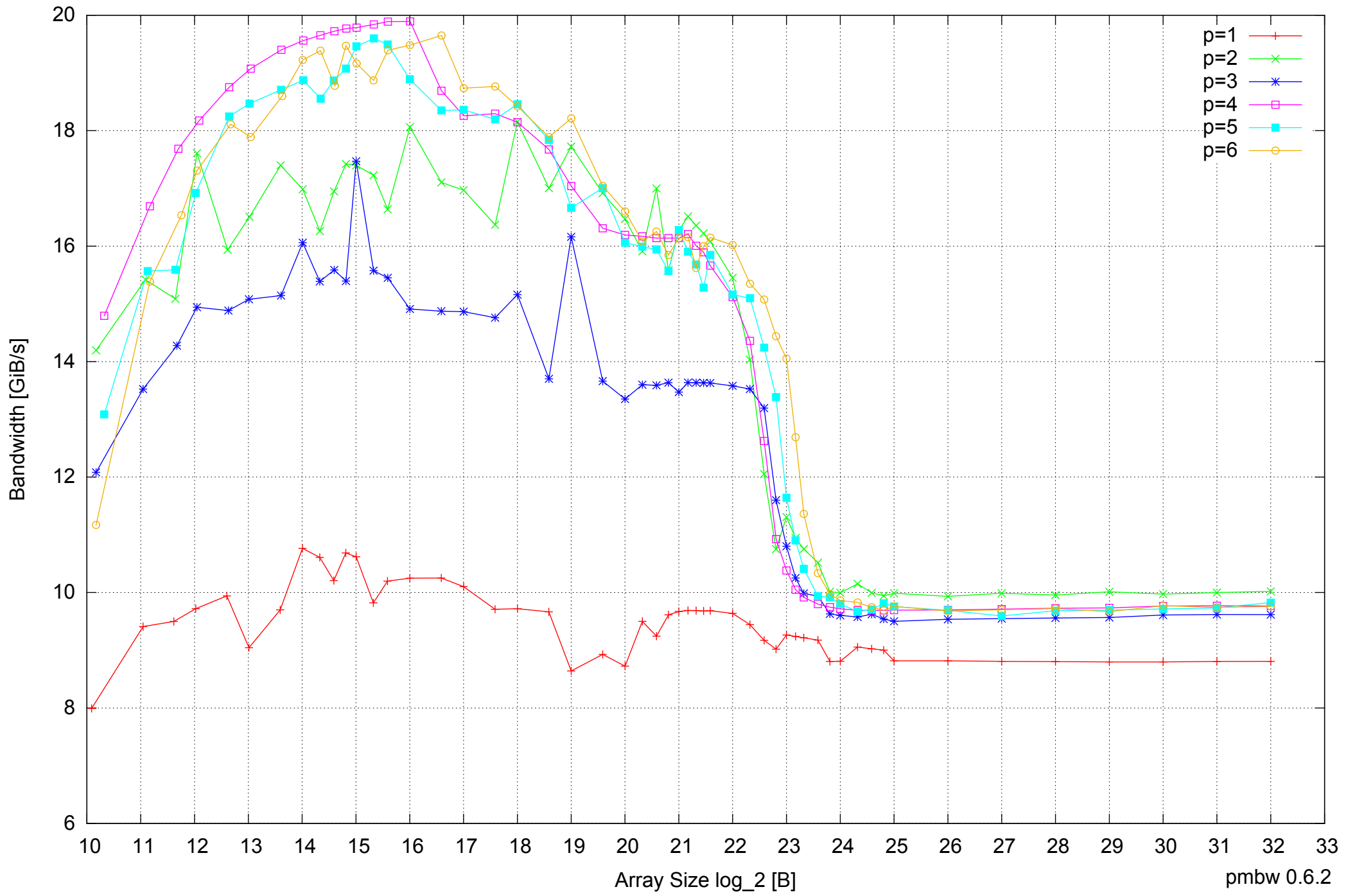
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop



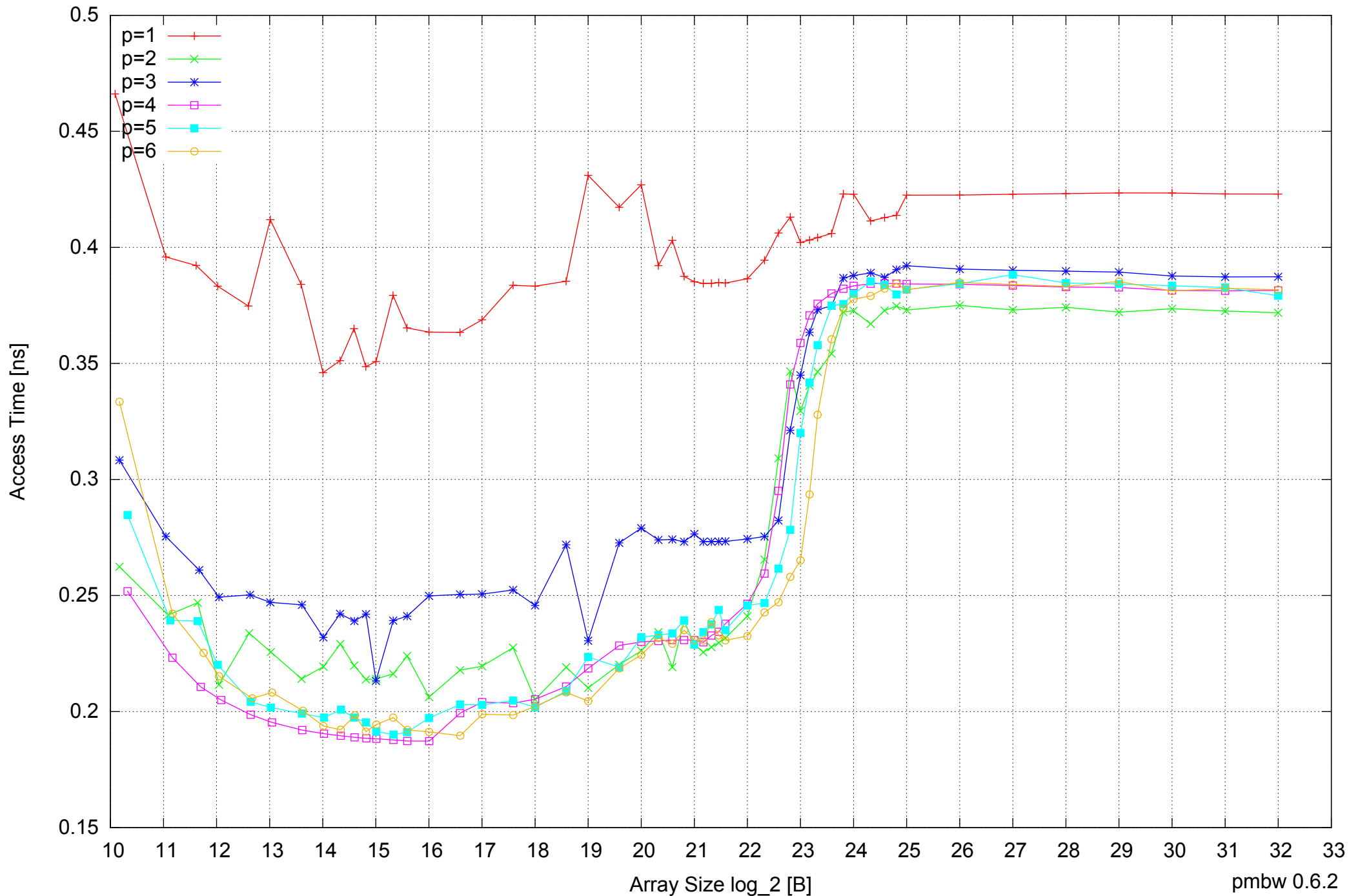
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64IndexUnrollLoop



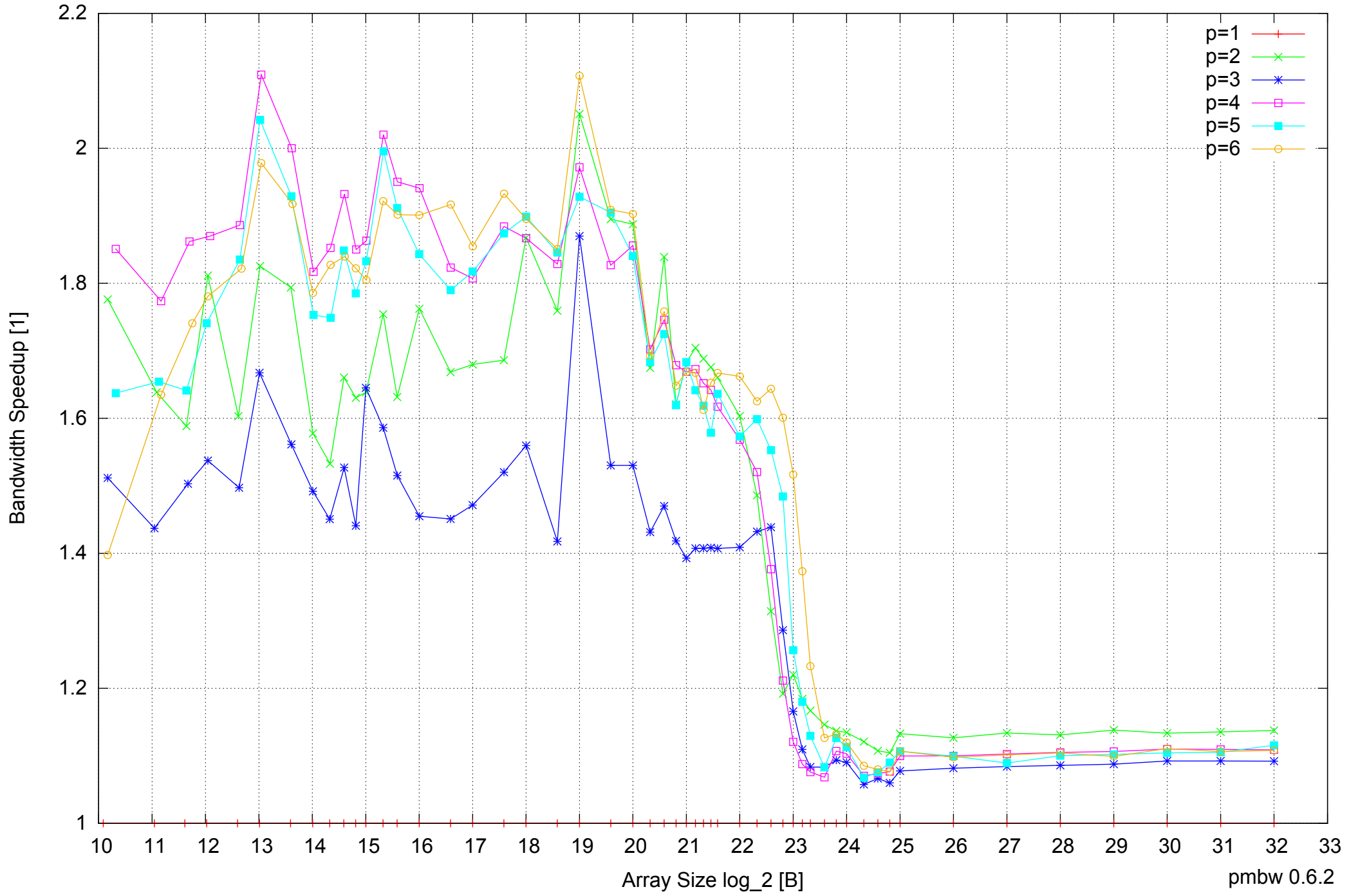
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop



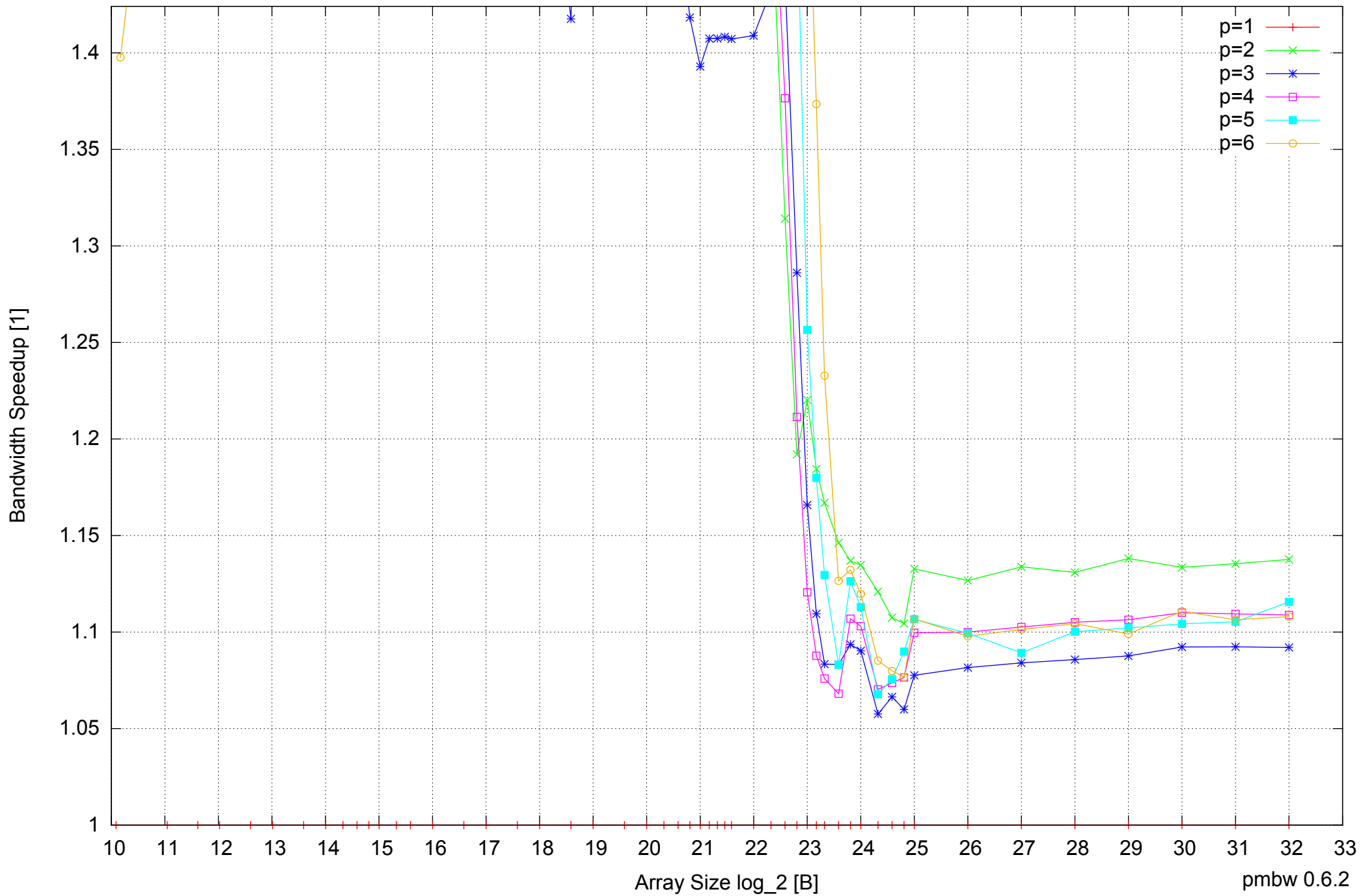
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite32PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop

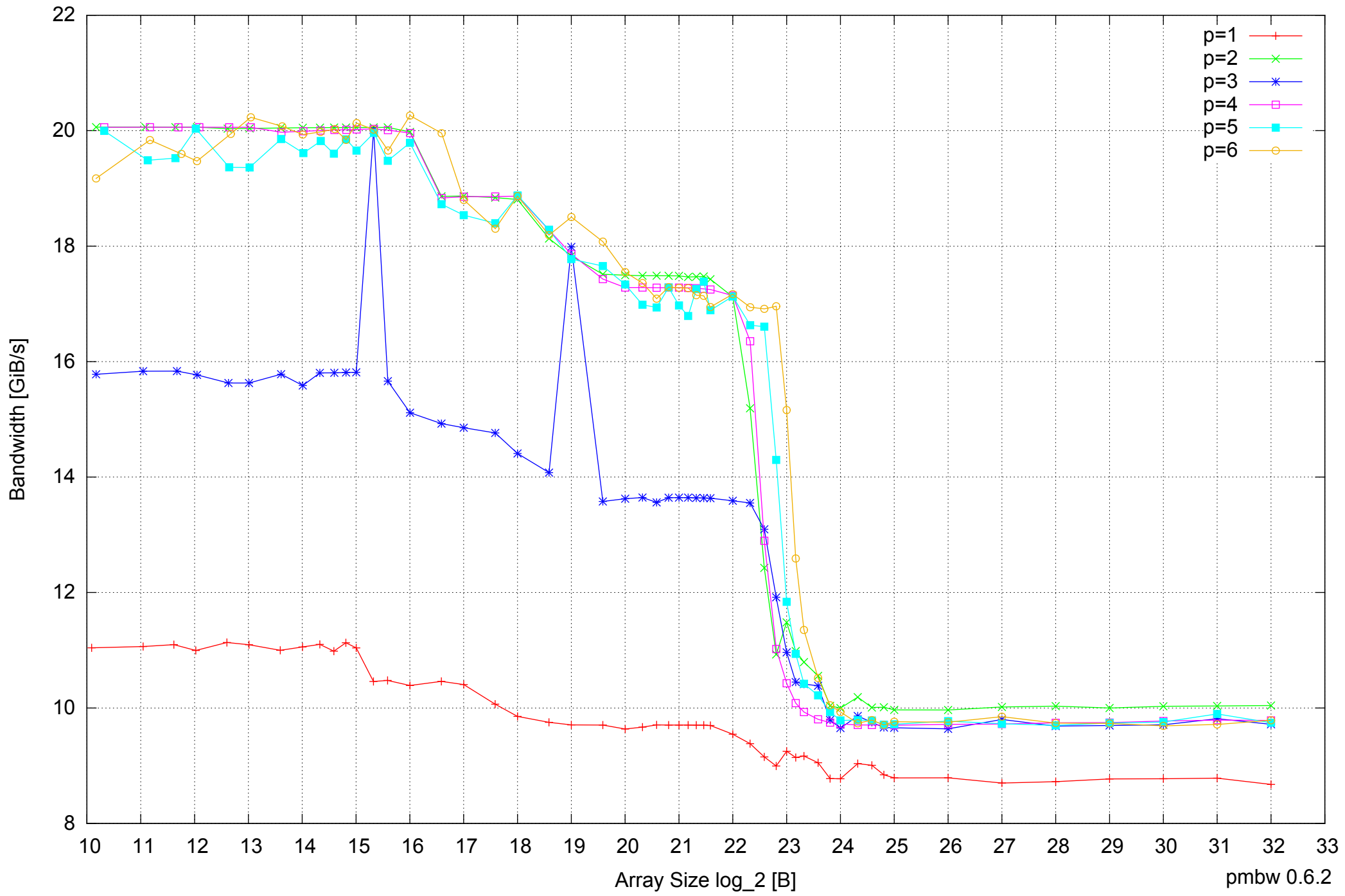


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop

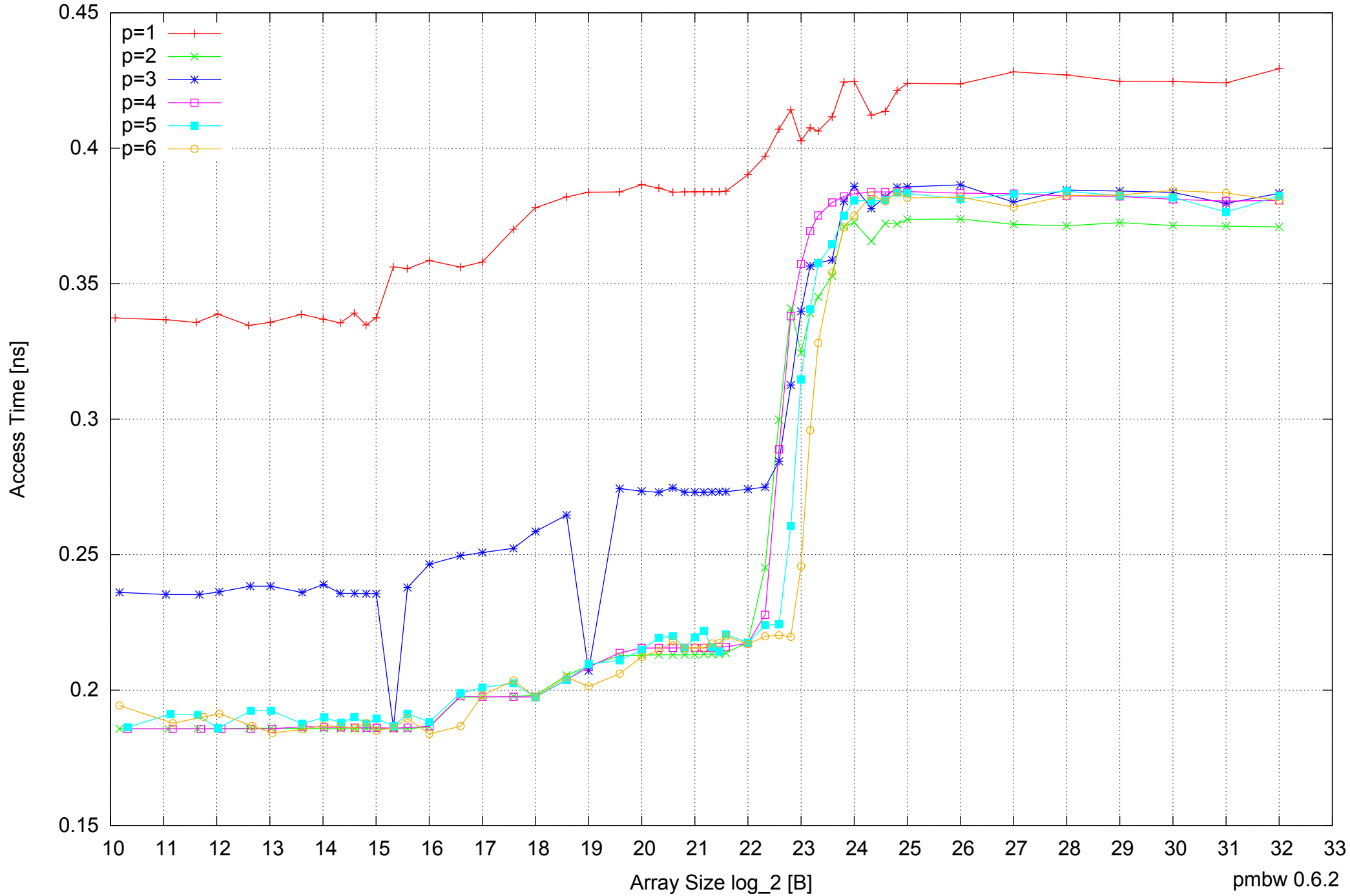




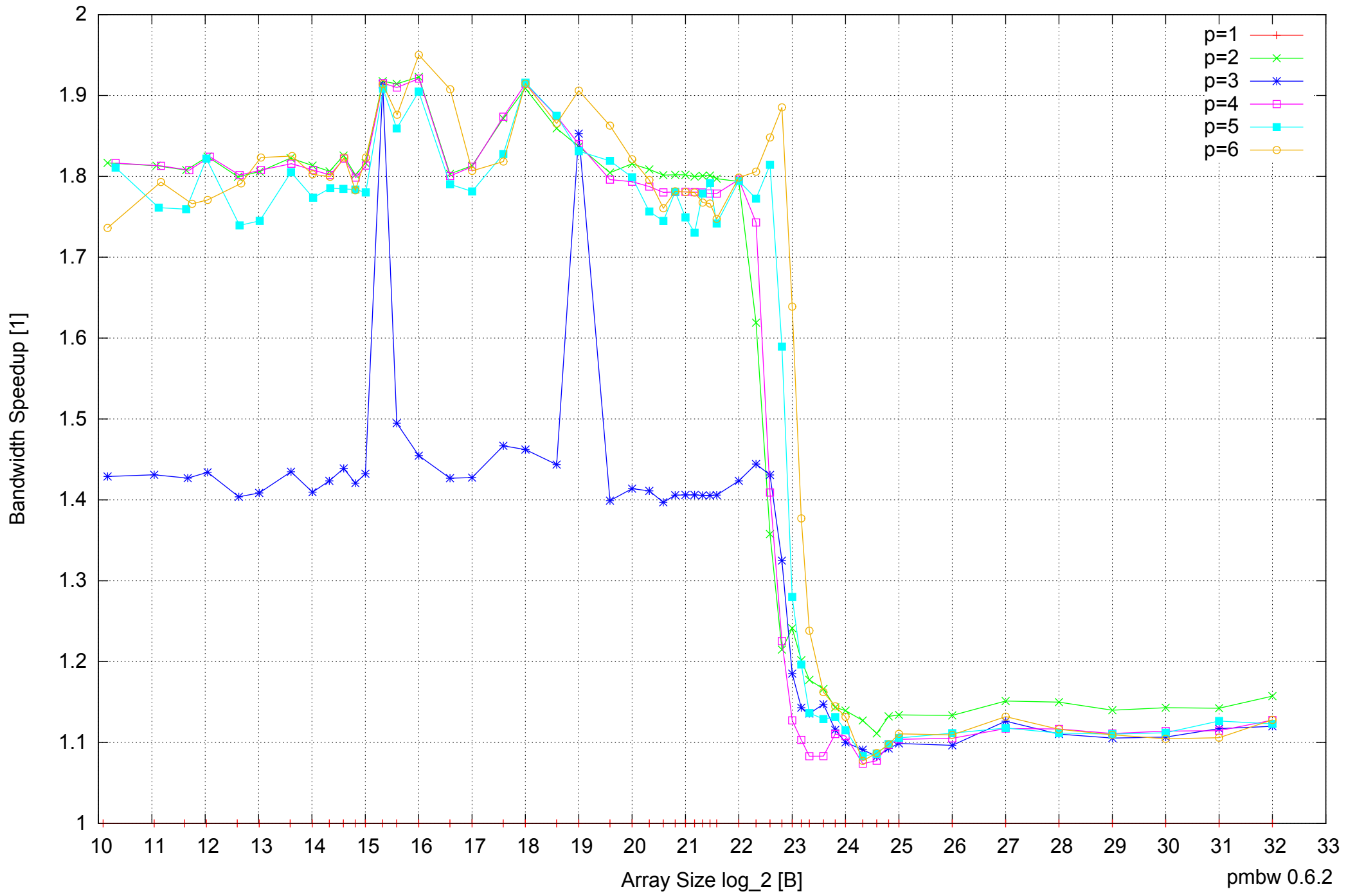
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop



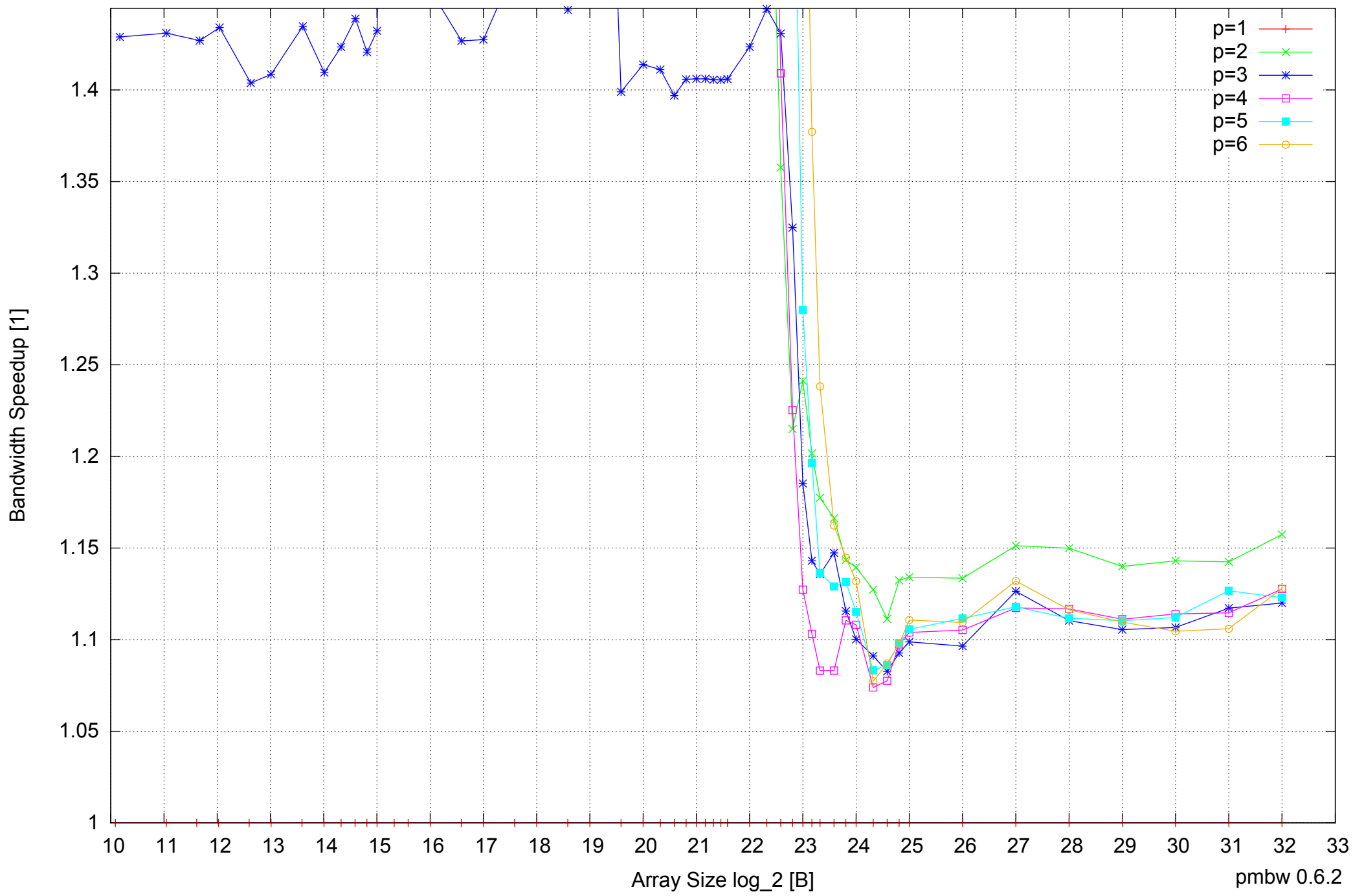
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop



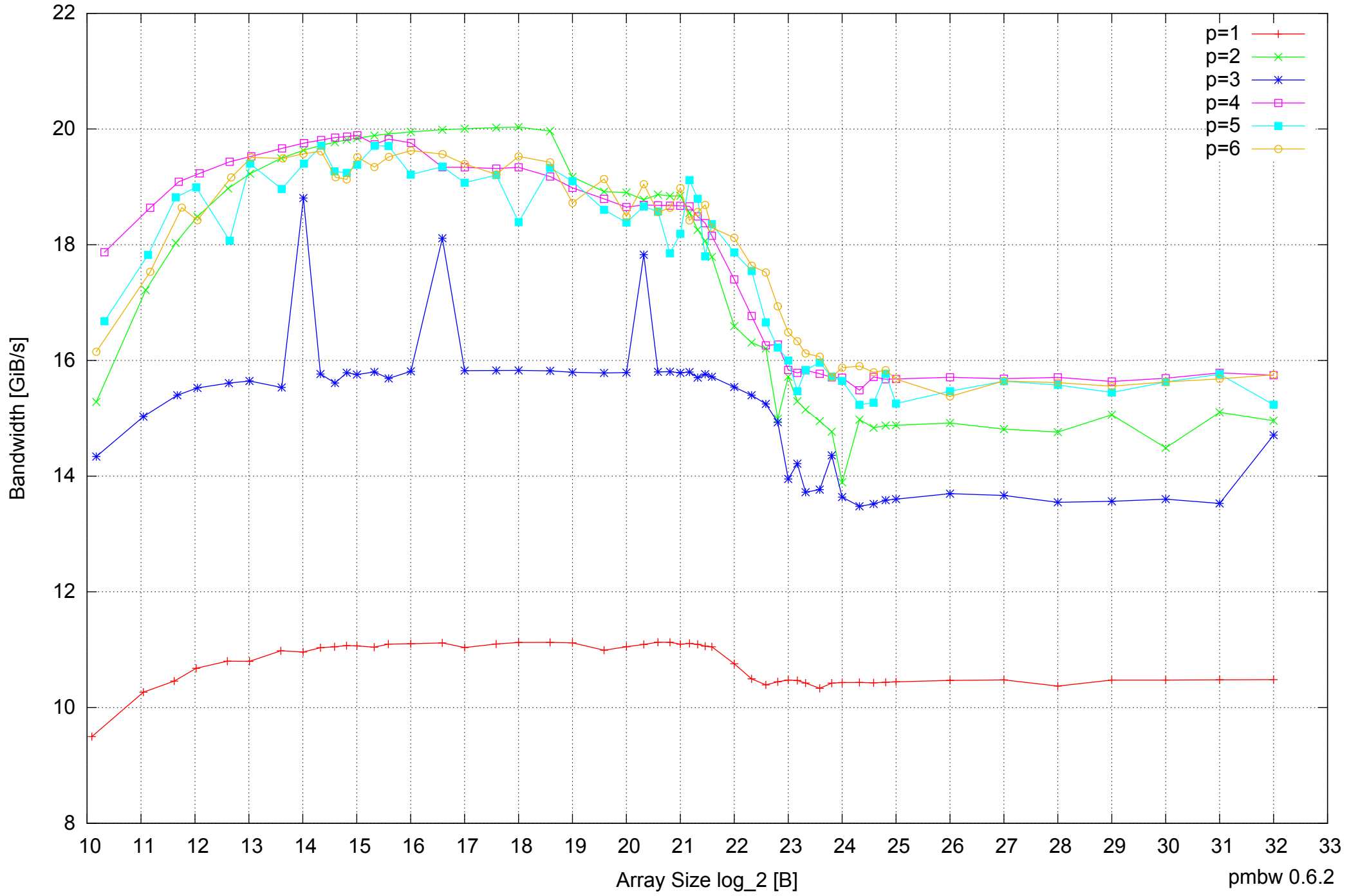
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop



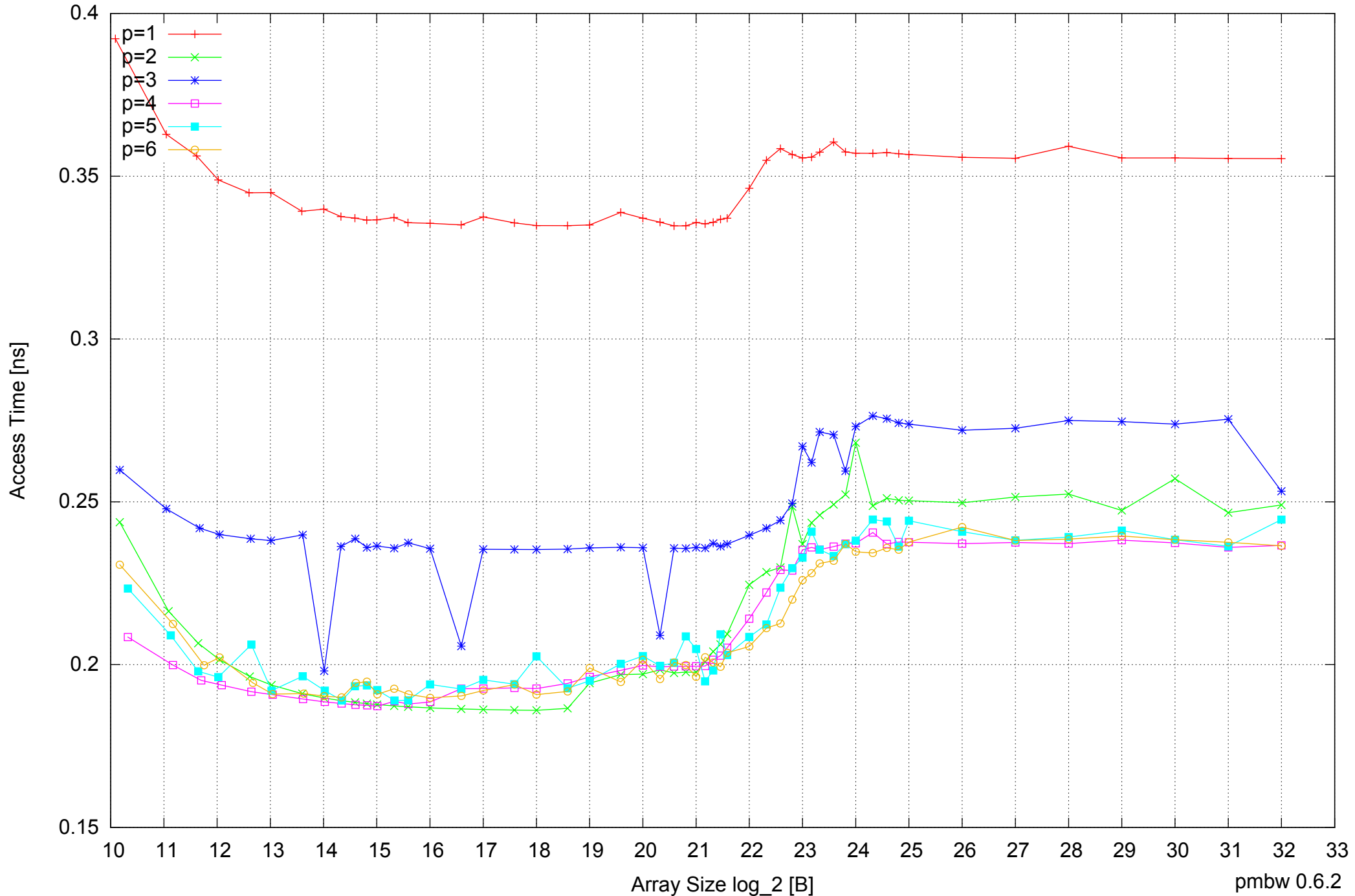
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop



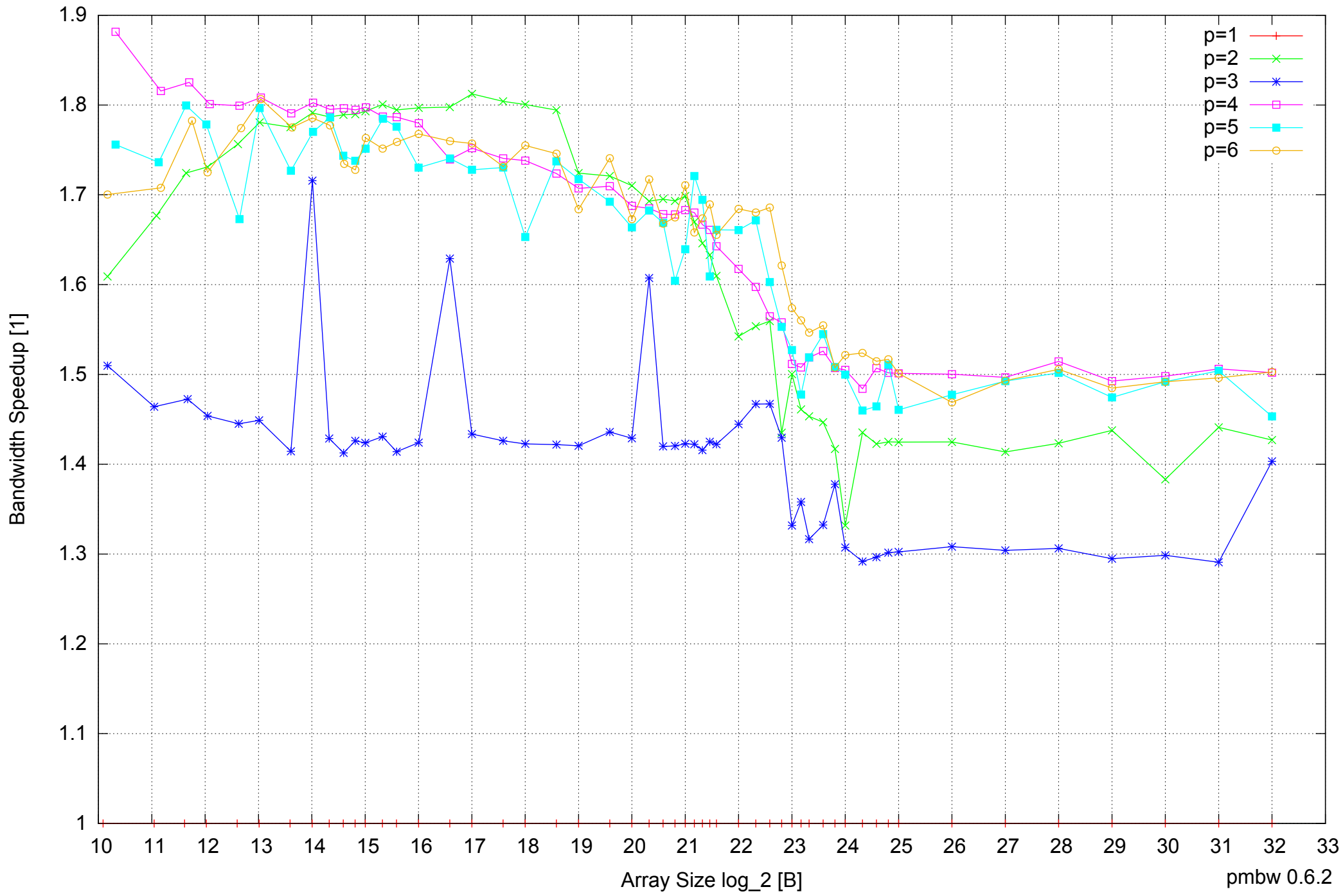
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop



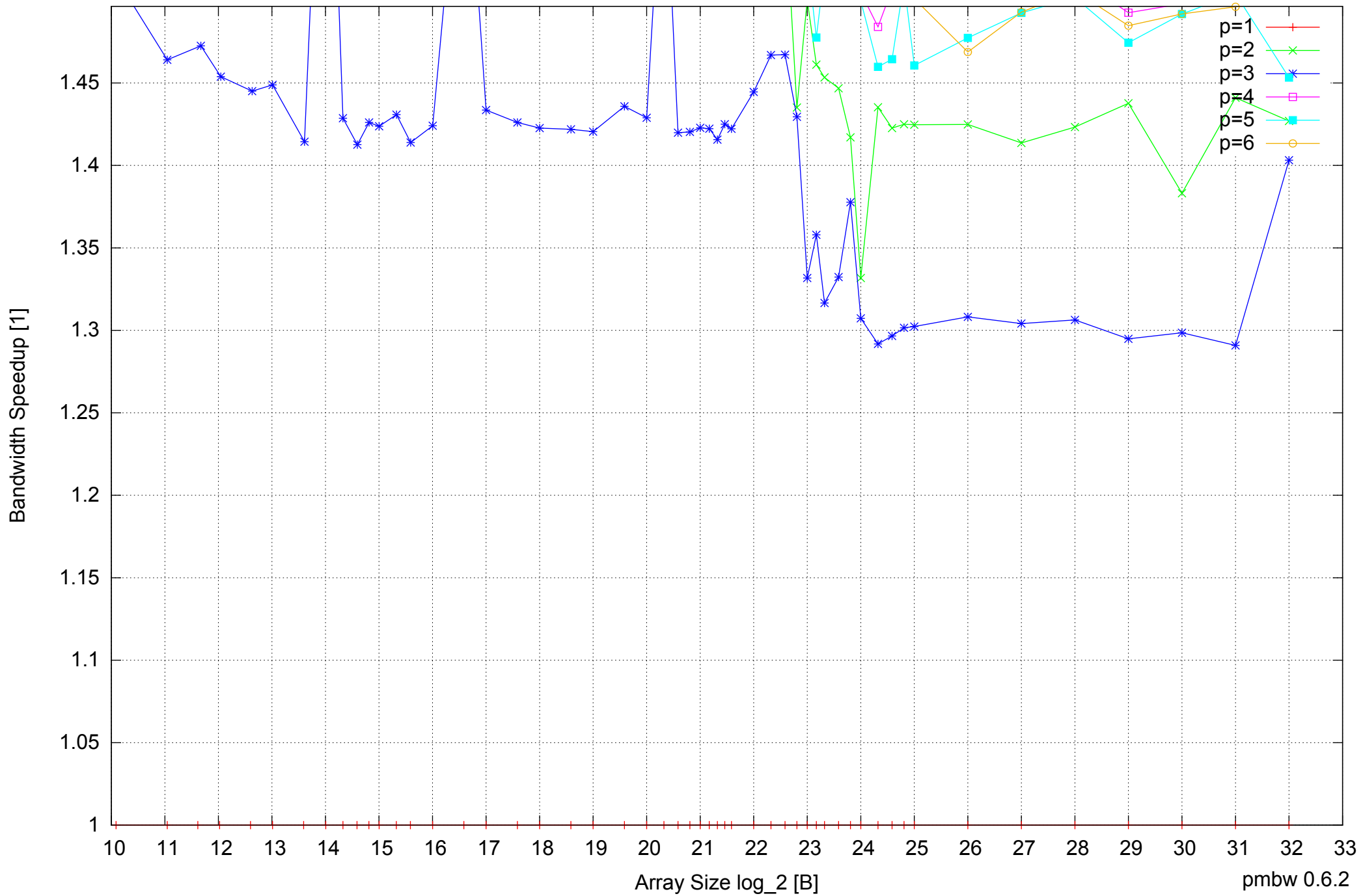
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead32PtrSimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop

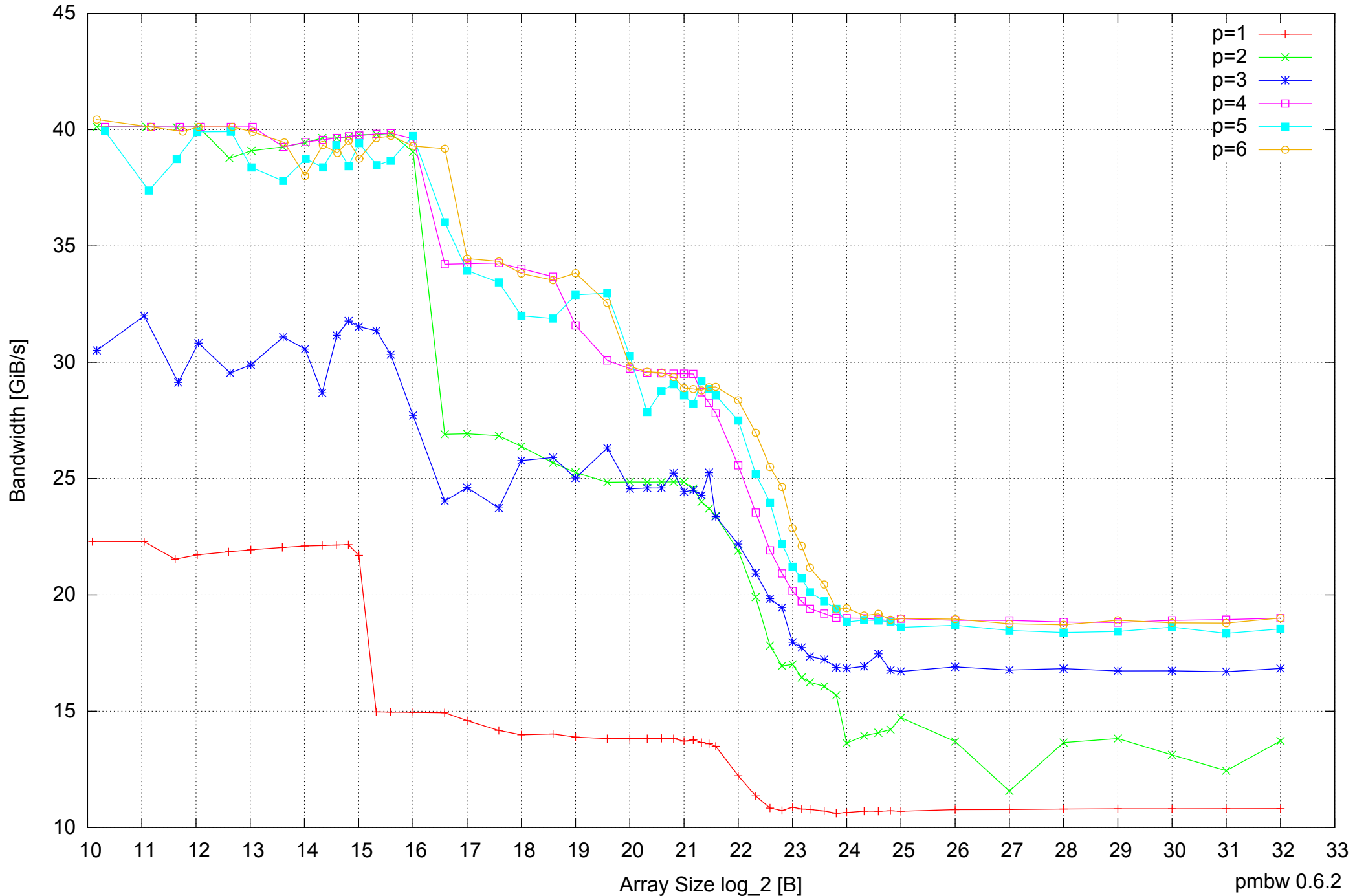


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrSimpleLoop

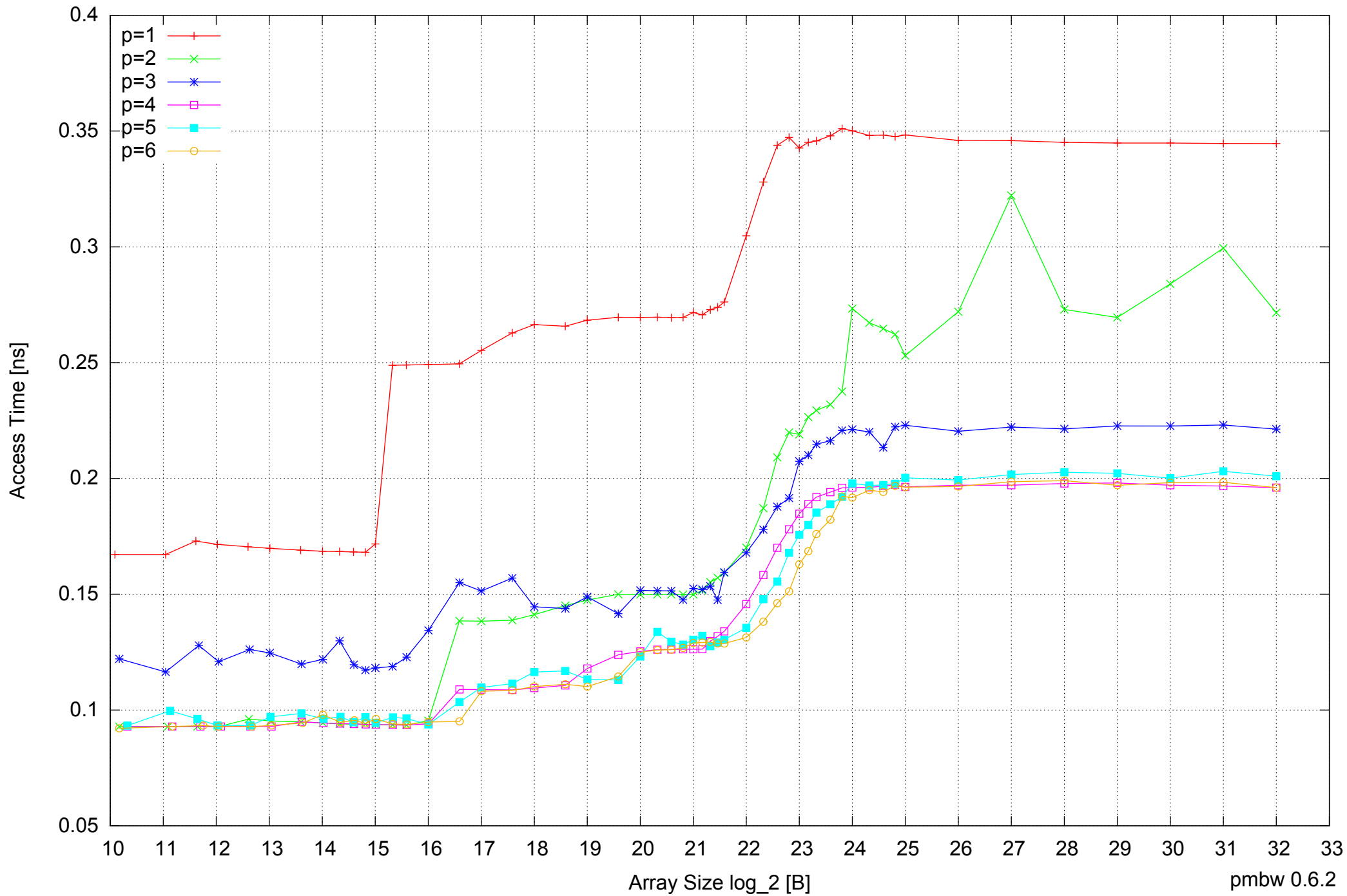




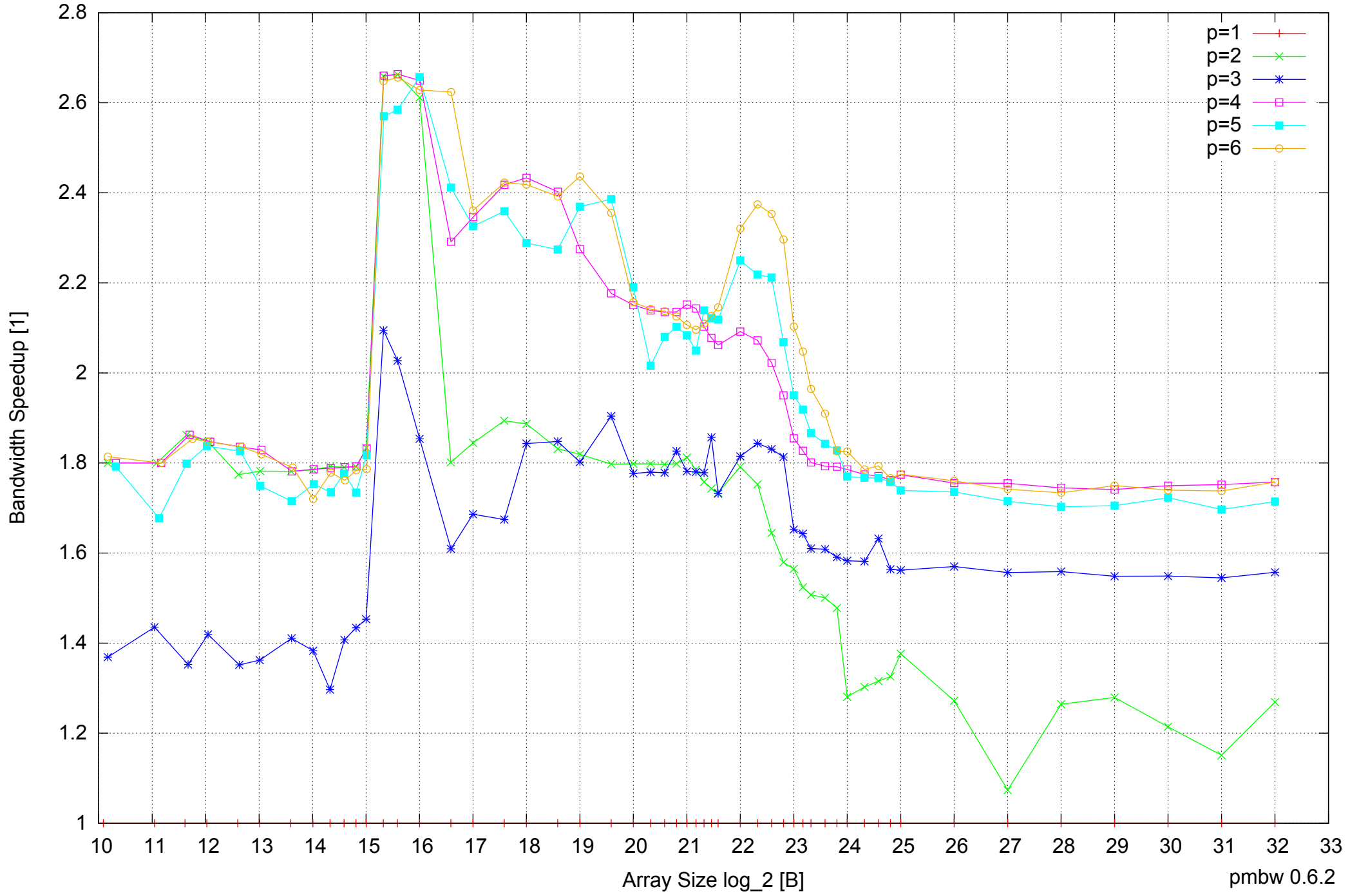
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



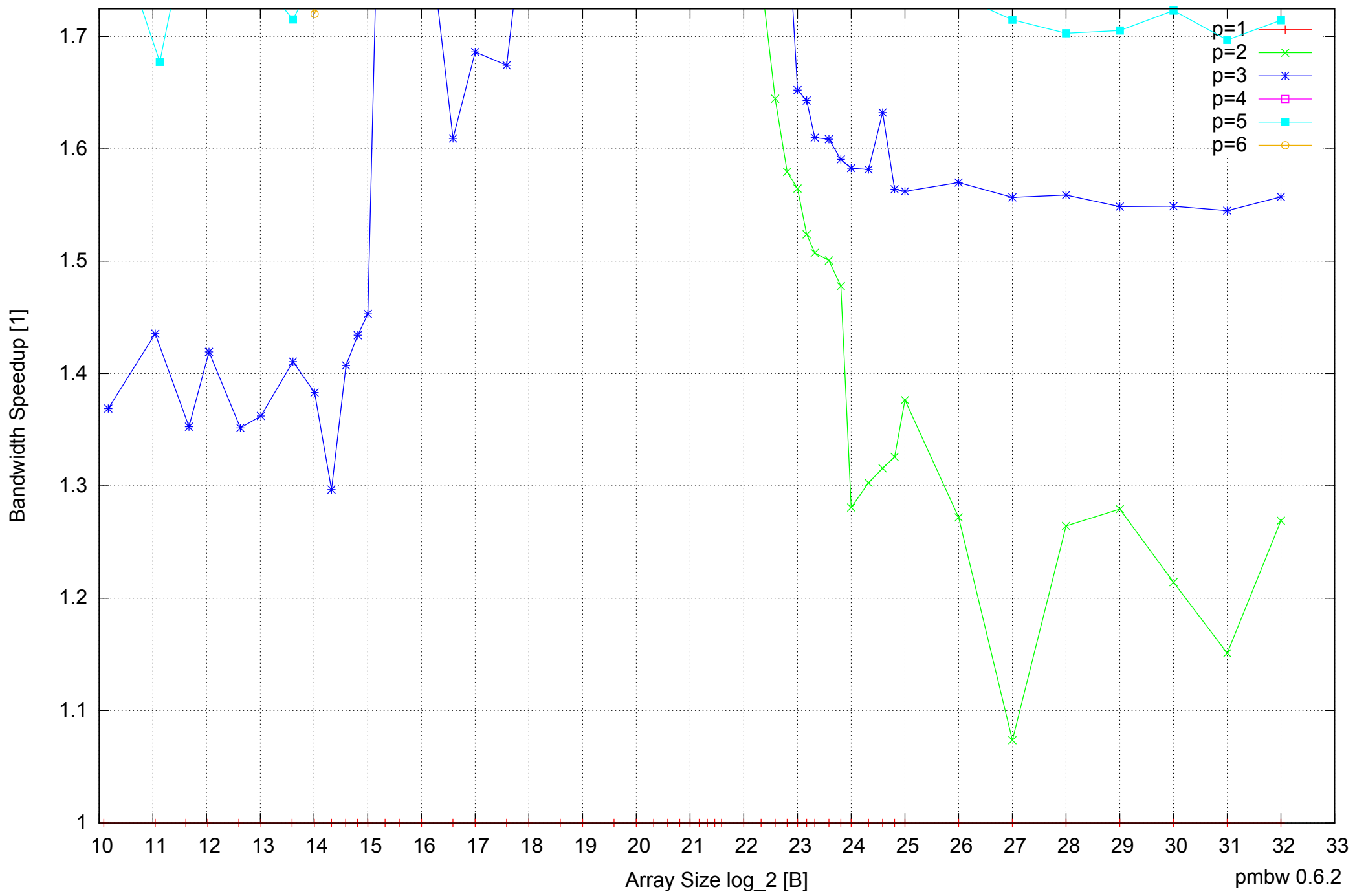
Intel Core i7-4500U 8GB - Parallel Memory Access Time - ScanRead32PtrUnrollLoop



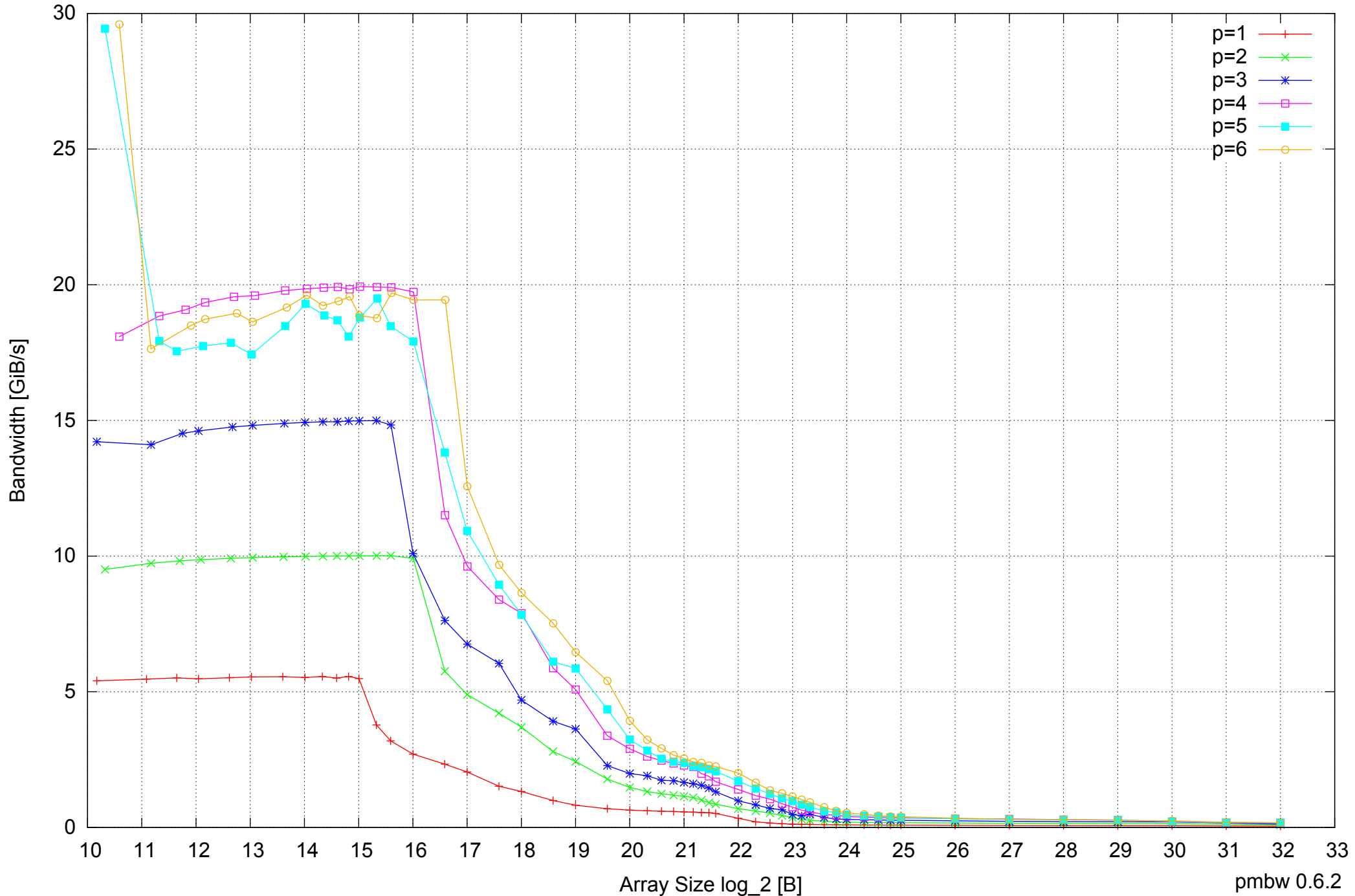
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



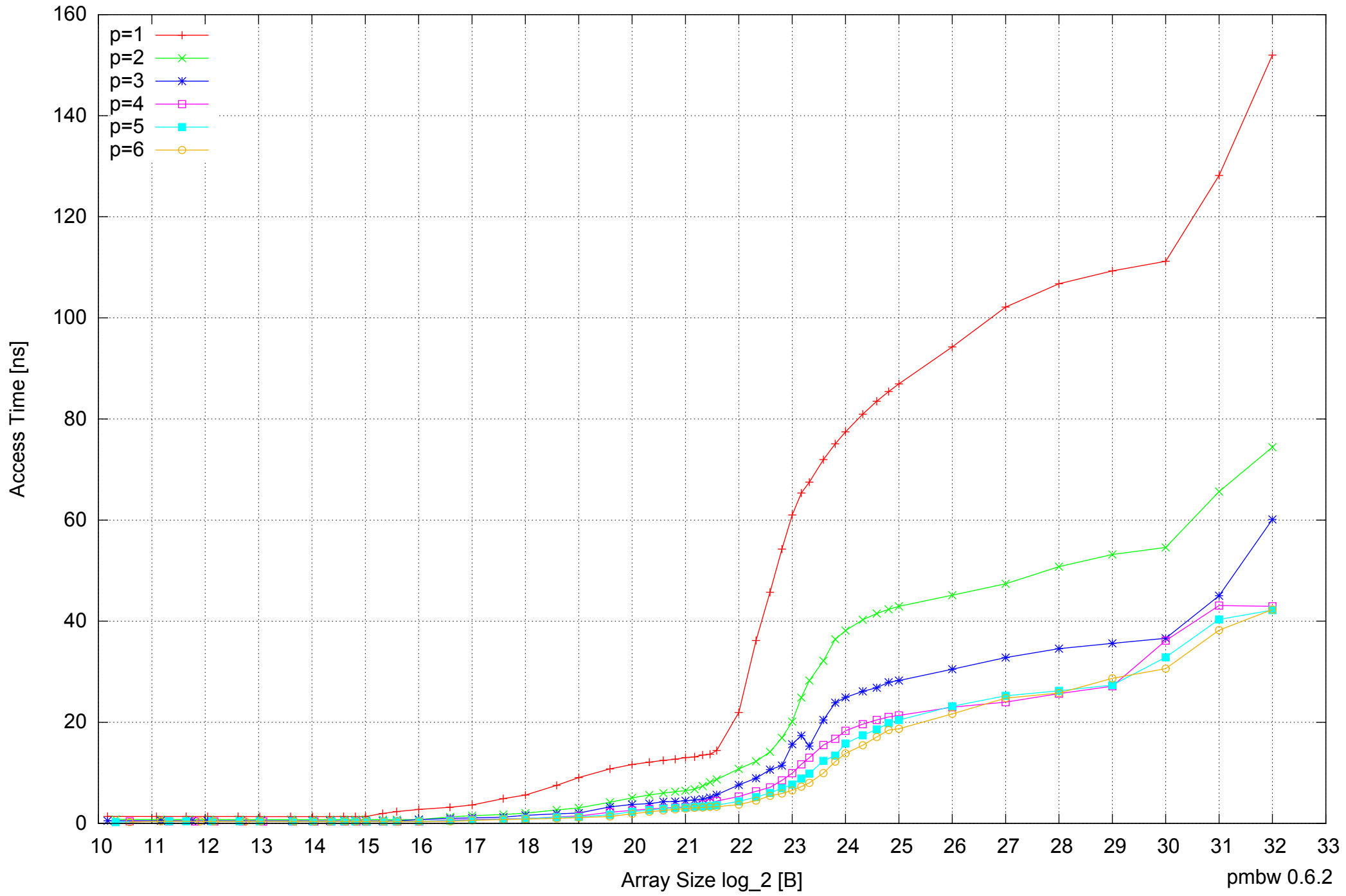
Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



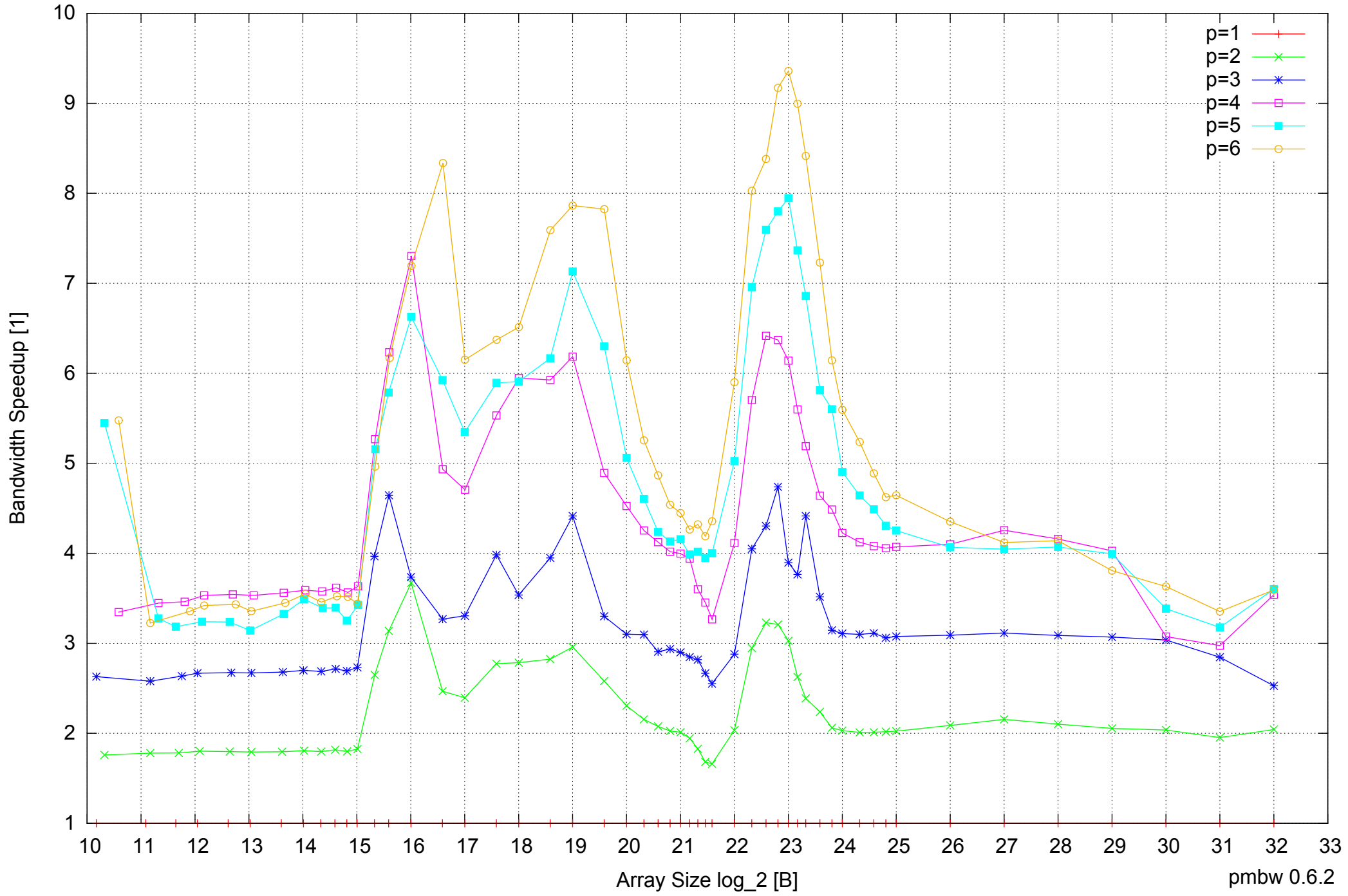
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - PermRead64SimpleLoop



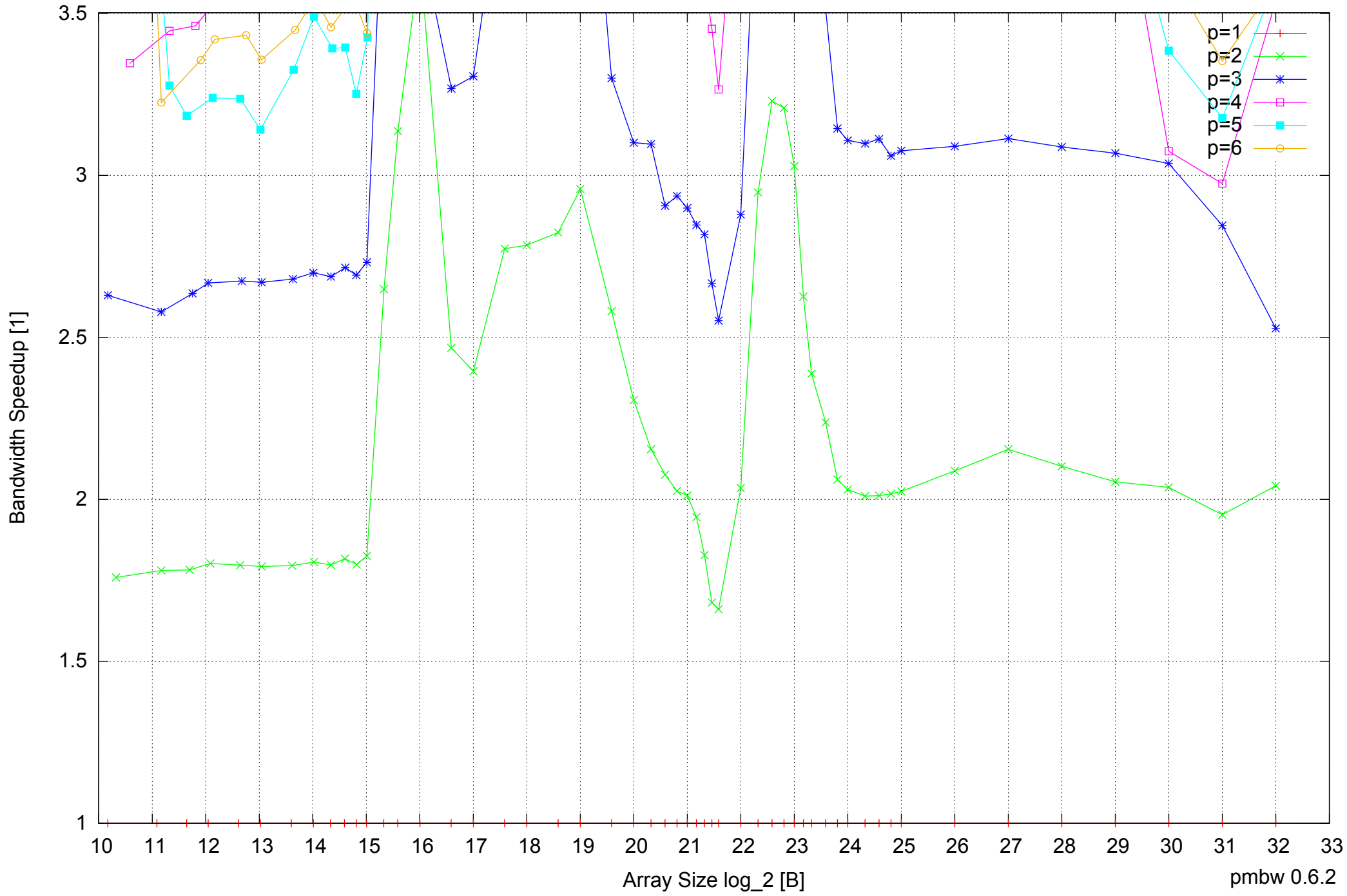
Intel Core i7-4500U 8GB - Parallel Memory Access Time - PermRead64SimpleLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - PermRead64SimpleLoop

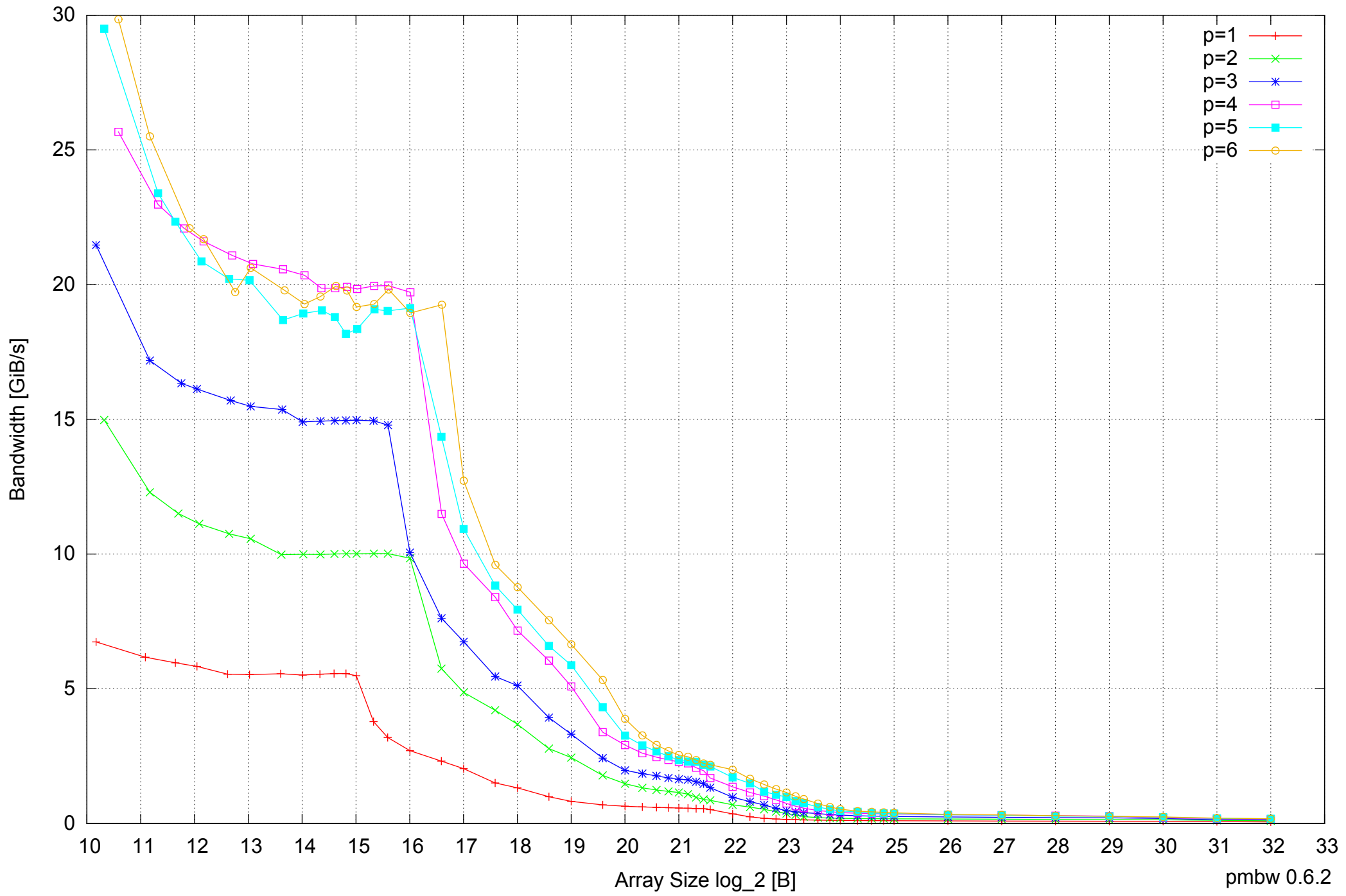


Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64SimpleLoop

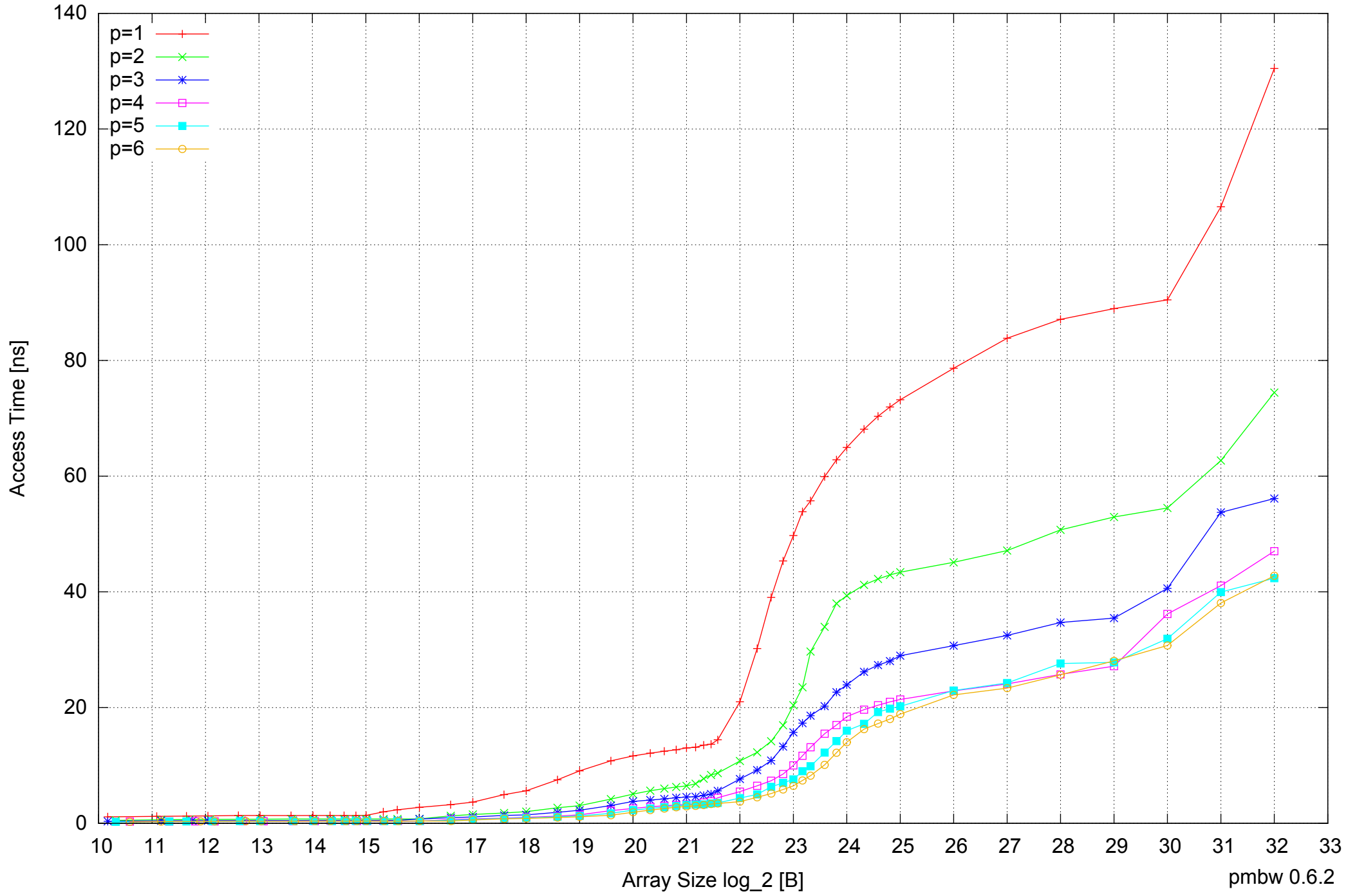




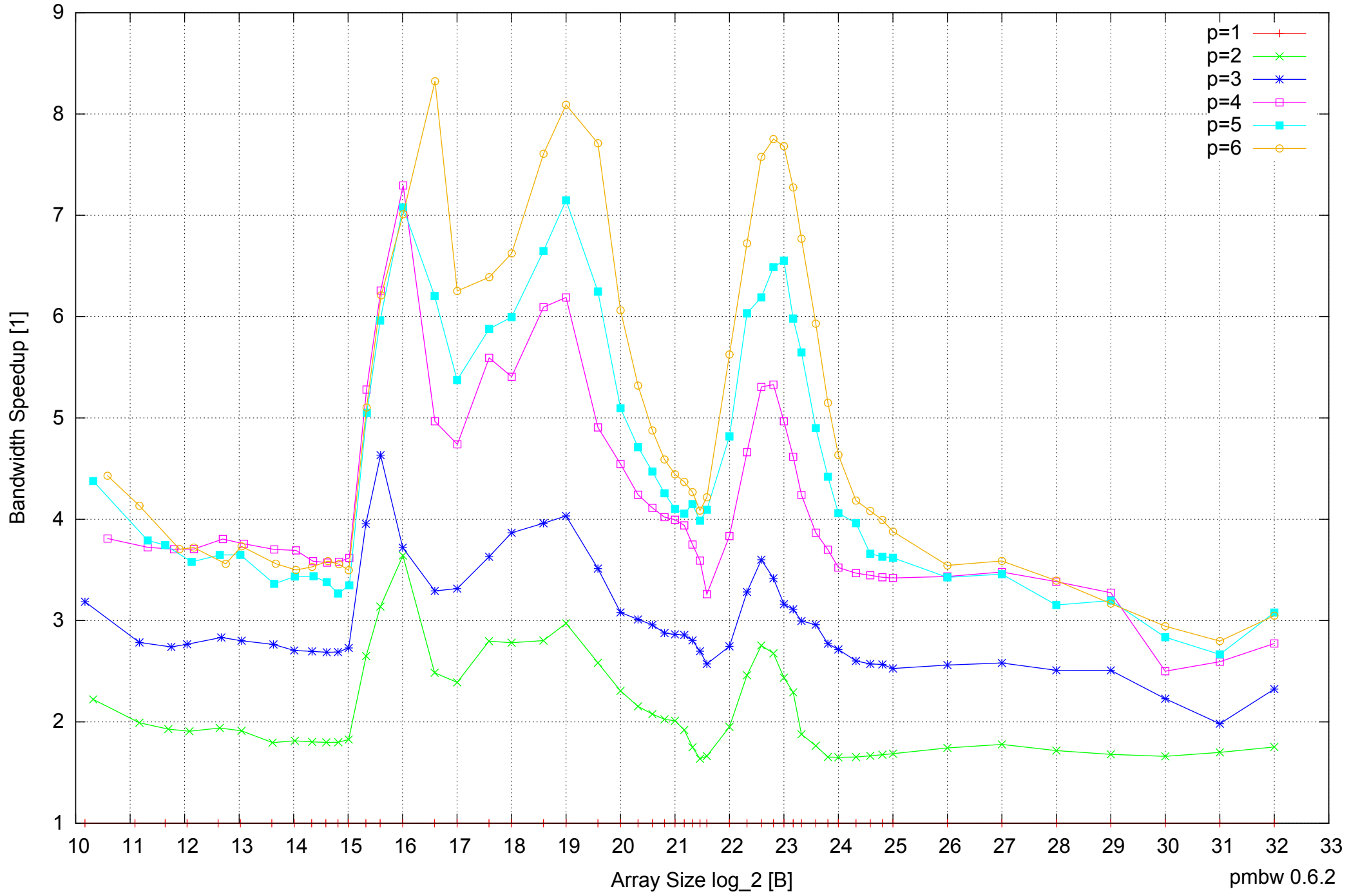
Intel Core i7-4500U 8GB - Parallel Memory Bandwidth - PermRead64UnrollLoop



Intel Core i7-4500U 8GB - Parallel Memory Access Time - PermRead64UnrollLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth - PermRead64UnrollLoop



Intel Core i7-4500U 8GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64UnrollLoop

