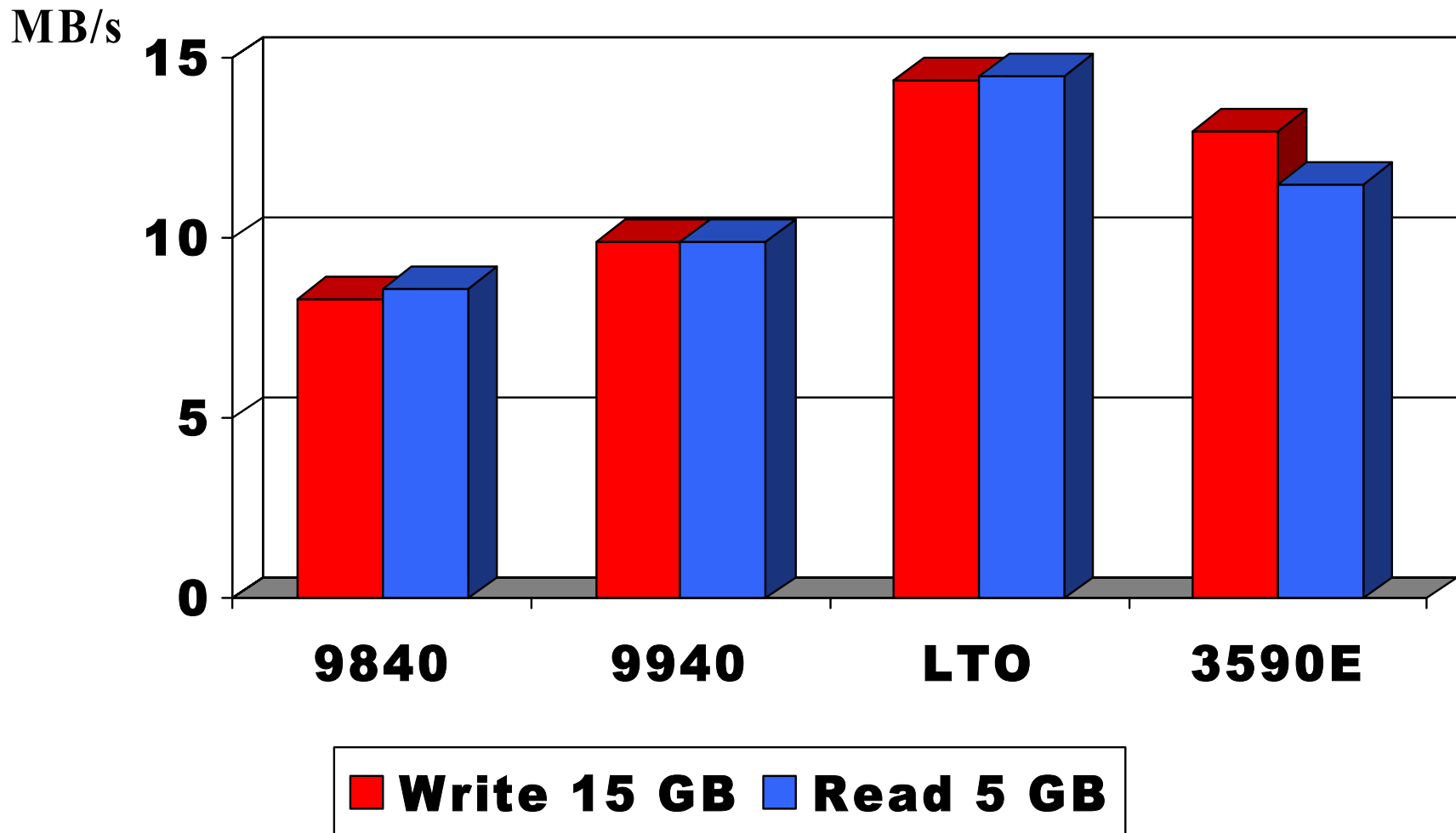


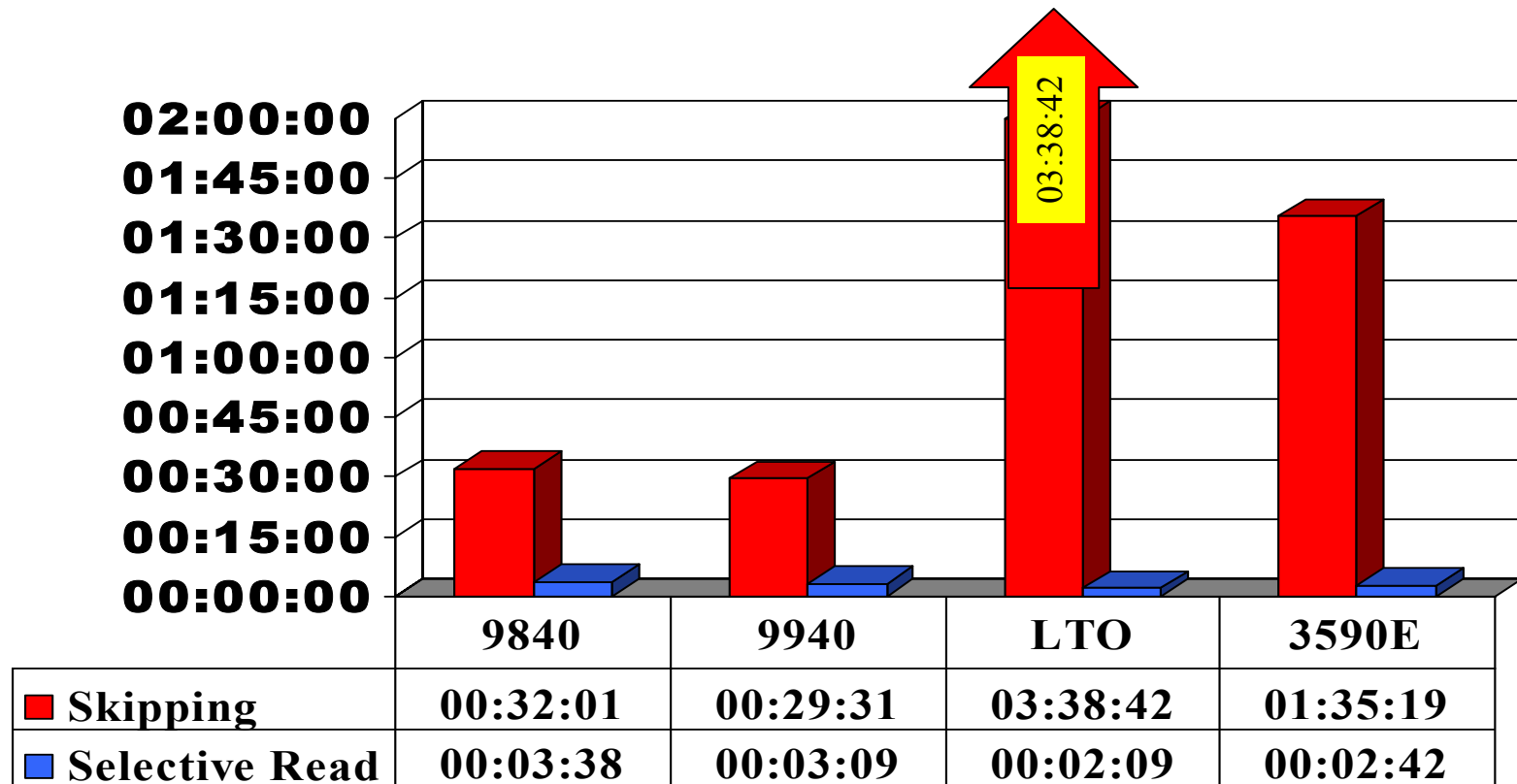
Tape drives Positioning Tests

- Done last year during evaluation of our data handling replacement.
- How do various tape drives behave in a positioning intensive environment.
- Tests done through home written C program, not necessarily optimised for high bandwidth read and writes.
- Test does not take in account the mount, dismount, load and unload drive characteristics.

Sequential I/Os.

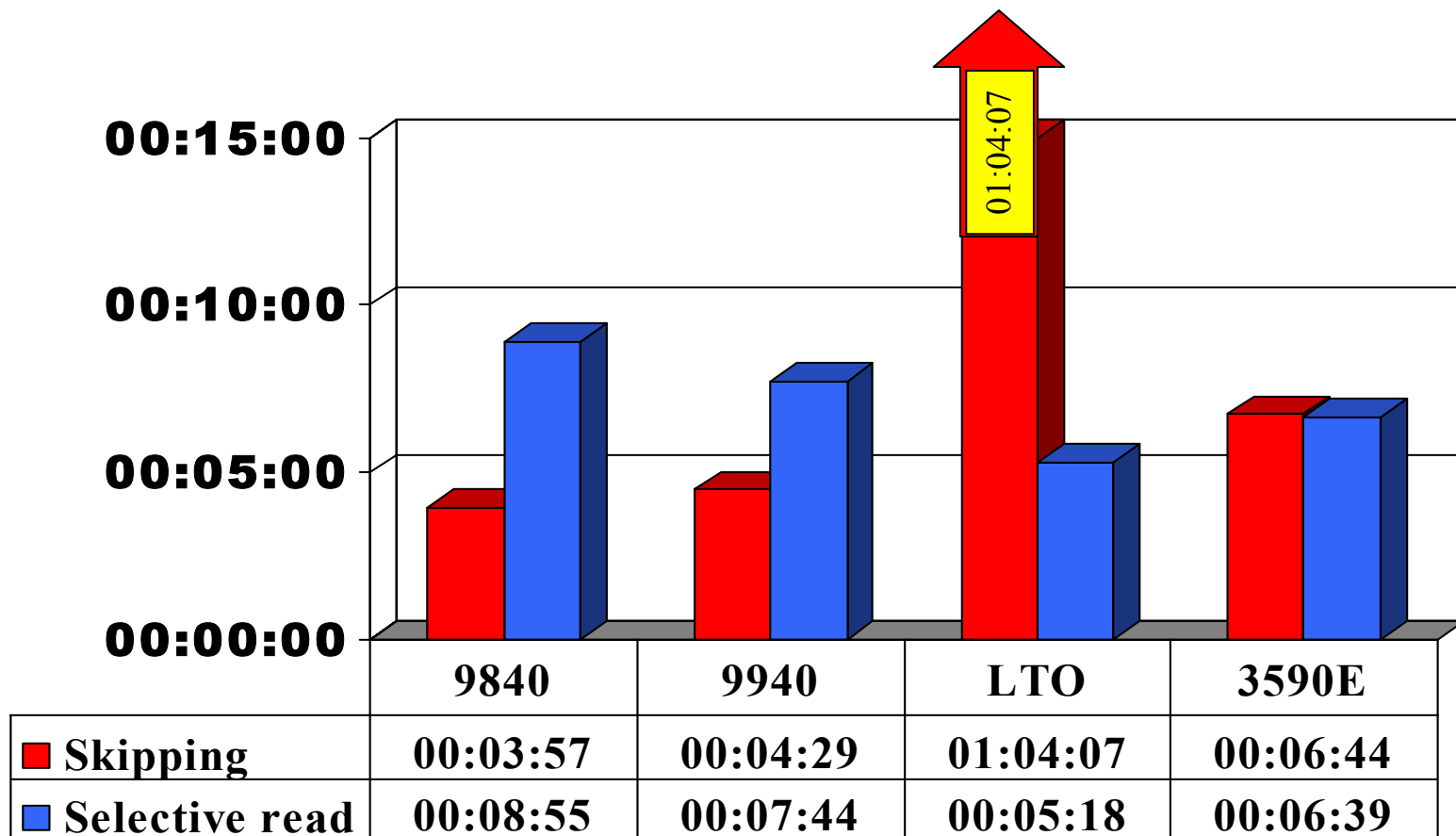


Retrieve fields separated by short intervals.



Retrieve 6000 130 KB fields, separated by 130 and 300KB intervals.

Retrieve fields separated by long intervals.



Retrieving 60 130 KB fields, separated by 50 and 90 MB intervals.

Conclusions.

- **3590 and LTO tape drives are the best suited for long sustained I/O operations.**
- **LTO unsuitable for positioning intensive operations.**
- **STK provides the positioning intensive access tape drives.**
- **One needs to investigate when it becomes more efficient to “read and discard” unnecessary information, instead of skip it.**