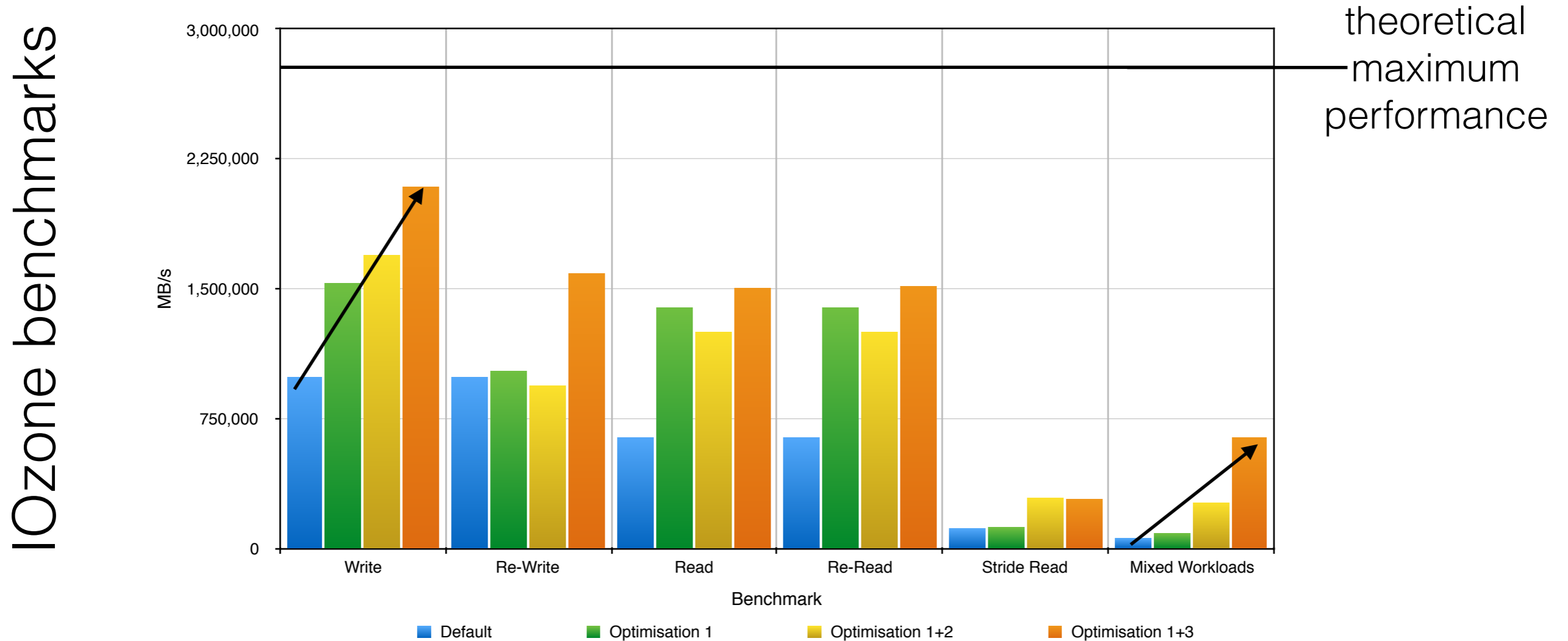


# Upgrading and Expanding Lustre Storage for use with the WLCG (Poster 175 - session B)

- Our poster will present
  - Upgrade of our Lustre file system to over 3PB, and Lustre version 2.8.
  - Will describe the Hardware and software specification, installation, configuration and operation.
  - Optimisation of File system - defiantly worth the effort.
  - Real world performance.
  - Future Plans.

# Upgrading and Expanding Lustre Storage for use with the WLCG (Poster 175 - session B)

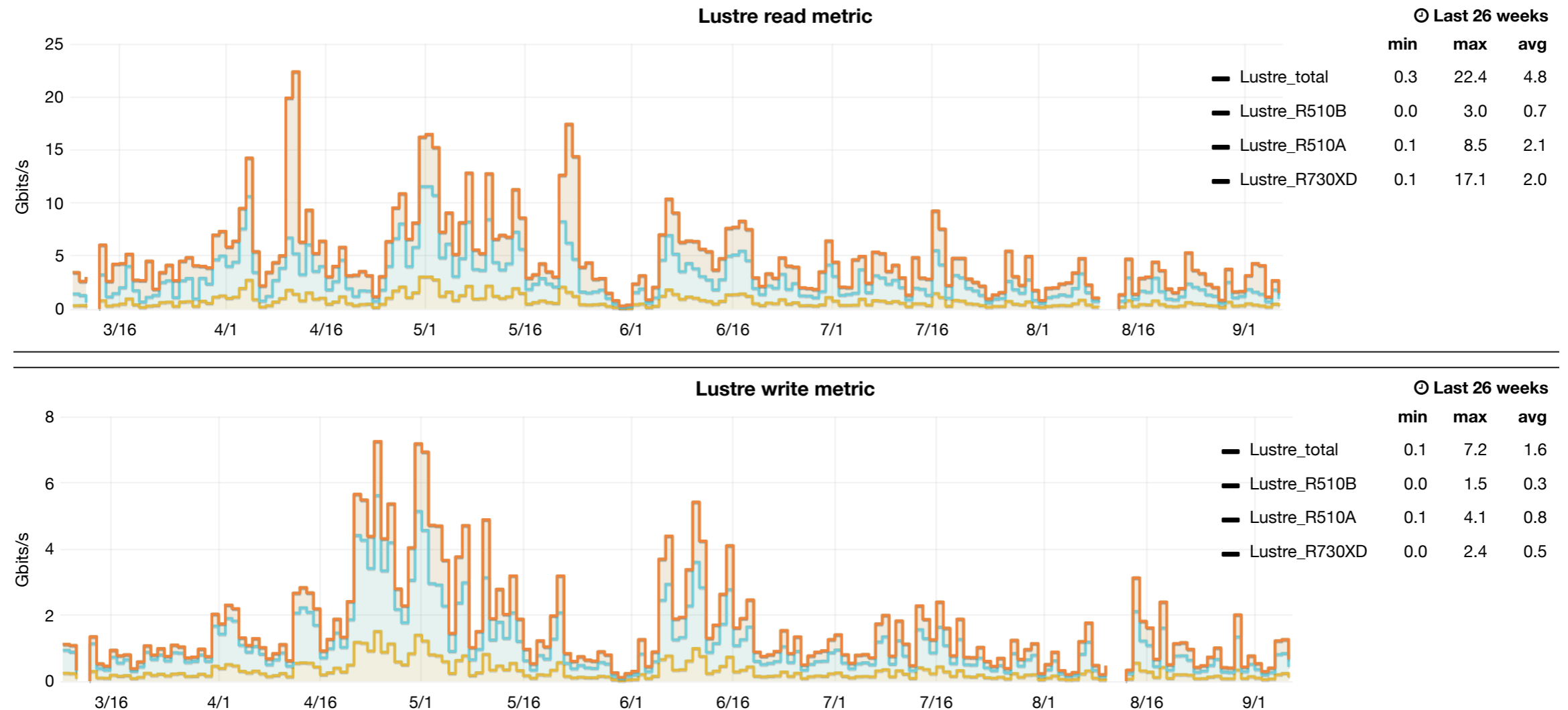
## Impact of Performance Optimisations



Doubling or better improvement in file system performance when applying OS level file system tunes (even for complex workloads)

# Upgrading and Expanding Lustre Storage for use with the WLCG (Poster 175 - session B)

## Real World Performance



AVERAGE of 4.8Gb/s over 6 months of reads and 1.6 of writes to our Lustre file system (almost all writes done by STORM/gridFTP from WAN)