|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Algorithms | | |
| File Size | Sorting Type | Bubble | Insertion | Merge |
| 10 | Random | 1 | 1 | 1 |
| 1,000 | Random | 7997 | 2997 | 2998 |
| 10,000 | Random | 858002 | 228980 | 44998 |
| 100,000 | Random | 82998700 | 22823300 | 497231 |
| 10 | Reversed | 1 | 1 | 1 |
| 1,000 | Reversed | 10001 | 4000 | 2998 |
| 10,000 | Reversed | 975592 | 472998 | 43000 |
| 100,000 | Reversed | 95678200 | 45701800 | 458995 |
| 10 | Unique | 1 | 1 | 1 |
| 1,000 | Unique | 5998 | 2000 | 4025 |
| 10,000 | Unique | 662970 | 182001 | 58998 |
| 100,000 | Unique | 58922900 | 18298100 | 450009 |
| 10 | Partial Sort | 1 | 1 | 1 |
| 1,000 | Partial Sort | 5999 | 999 | 3998 |
| 10,000 | Partial Sort | 587543 | 83964 | 42975 |
| 100,000 | Partial Sort | 70367000 | 10961600 | 464001 |

All times were recorded in microseconds (1 microsecond = 1x10-6 second)