**Metropolitan State University**

**ICS 462-01 Operating Systems**

**Summer 2019 - Assignment 6 Report**

The following tables represent analysis from running the four disk scheduling algortihms against varying request delays and total number of requests.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Delay** | **Requests** | **Algorithm** | **Tracks Moved** | **Time Spent** |
| 1 ms | 500 | Look | 2045 | 428 |
| C-Look | 2171 | 423 |
| SSTF | 2029 | 427 |
| FCFS | 161314 | 4507 |
| 5000 | Look | 2046 | 1047 |
| C-Look | 2163 | 1045 |
| SSTF | 1095 | 1017 |
| FCFS | 1723431 | 48340 |
| 10000 | Look | 2046 | 1052 |
| C-Look | 2053 | 1052 |
| SSTF | 2046 | 1054 |
| FCFS | 3406332 | 95435 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Delay** | **Requests** | **Algorithm** | **Tracks Moved** | **Time Spent** |
| 250 ms | 500 | Look | 171232 | 4787 |
| C-Look | 170204 | 4773 |
| SSTF | 167954 | 4697 |
| FCFS | 174949 | 4906 |
| 5000 | Look | 1702964 | 47719 |
| C-Look | 1684229 | 47207 |
| SSTF | 1704259 | 47807 |
| FCFS | 1707480 | 47874 |
| 10000 | Look | 3353490 | 93924 |
| C-Look | 3375126 | 94574 |
| SSTF | 3373605 | 94530 |
| FCFS | 3345870 | 93749 |