1. DMD-LSTM TESTING AND EVALUATION (Different Window Sizes)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 5 | 10 | 15 | 20 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. BASELINE LSTM (Different Window Sizes)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 5 | 10 | 15 | 20 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. DMD-LSTM VALIDATION (Window Size = 5)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. OPTIMAL ALMA PARAMETERS VALIDATION RESULTS

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. IDLE SYSTEM USAGE STATISTICS
2. INTERNAL LOAD USAGE STATISTICS

|  |  |  |  |
| --- | --- | --- | --- |
|  | **INTERNAL COMPONENT/MODULE** | | |
| **DATA COLLECTOR** | **DATA PROCESSOR** | **alamSYS PREPROCESSOR**  *(Data Collector & Data Processor)* |
| **FAILURE RATE (%)** | 0 | 0 | 0 |
| **SUCCESS RATE (%)** | 100 | 100 | 100 |
| **AVERAGE RUNTIME (s)** | 41.72398 | 8.38061 | 48.30466 |
| **AVERAGE CPU (%) UTILIZATION** | 11.40659 | 92.71117 | 20.03138 |
| **AVERAGE MEMORY UTILIZATION (MiB)** | 3.64200 | 57.09545 | 794.29436 |
| **AVERAGE NETWORK UTILIZATION (MB)** | 232.73640 | 154 | 77.27655 |

*\* Out of 100 total runs*

1. DEPLOYMENT LOAD TEST RESULTS
2. REAL WORLD APPLICATION RESULTS