Replications: 1 Time Units: Minutes

**Key Performance Indicators** 

System Average
Number Out 12,922

Model Filename: C:\My files\Study\ME 635\HW03\Q1\Q1

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Replications: 1 Time Units: Minutes

# Entity

|  |  | • |
|--|--|---|

| VA Time       | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
|---------------|----------|--------------|------------------|------------------|--|
| Item          | 5.7451   | 0.011508690  | 4.5429           | 8.5161           |  |
| NVA Time      | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Item          | 0.00     | 0.000000000  | 0.00             | 0.00             |  |
| Wait Time     | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Item          | 17.0512  | (Correlated) | 0.00             | 62.4144          |  |
| Transfer Time | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Item          | 0.00     | 0.000000000  | 0.00             | 0.00             |  |
| Other Time    | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Item          | 0.00     | 0.000000000  | 0.00             | 0.00             |  |
| Total Time    | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Item          | 22.7963  | (Correlated) | 4.6718           | 69.7467          |  |
| Other         |          |              |                  |                  |  |
| Number In     | Value    |              |                  |                  |  |
| Item          | 12941.00 |              |                  |                  |  |
| Number Out    | Value    |              |                  |                  |  |
| Item          | 12922.00 |              |                  |                  |  |
| WIP           | Average  | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Item          | 20.4689  | 1.89514      | 0.00             | 58.0000          |  |
|               |          |              |                  |                  |  |

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Replications: 1 Time Units: Minutes

#### Queue

#### **Time**

| Waiting Time                | Average | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
|-----------------------------|---------|--------------|------------------|------------------|--|
| Domestic Process.Queue      | 9.0139  | (Correlated) | 0.00             | 44.5170          |  |
| International Process.Queue | 7.9474  | 1.25406      | 0.00             | 45.3249          |  |
| Packing Process.Queue       | 8.2488  | 0.977990304  | 0.00             | 37.9266          |  |
| Other                       |         |              |                  |                  |  |
| Number Waiting              | Average | Half Width   | Minimum<br>Value | Maximum<br>Value |  |
| Domestic Process.Queue      | 6.4772  | (Correlated) | 0.00             | 37.0000          |  |
| International Process.Queue | 1.4228  | 0.223791374  | 0.00             | 12.0000          |  |
| Packing Process.Queue       | 7.4127  | 0.896054485  | 0.00             | 39.0000          |  |

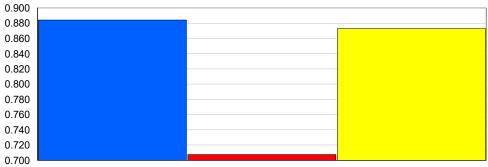
3

Replications: 1 Time Units: Minutes

## Resource

## **Usage**

| Instantaneous Utilization | Average | Half Width     | Minimum<br>Value | Maximum<br>Value |  |
|---------------------------|---------|----------------|------------------|------------------|--|
| Domestic Shipping         | 0.7696  | 0.018339241    | 0.00             | 1.0000           |  |
| International Shipping    | 0.6145  | 0.022019949    | 0.00             | 1.0000           |  |
| Packers                   | 0.7587  | 0.013553223    | 0.00             | 1.0000           |  |
| Number Busy               | Average | Half Width     | Minimum<br>Value | Maximum<br>Value |  |
| Domestic Shipping         | 1.5341  | 0.036899192    | 0.00             | 2.0000           |  |
| International Shipping    | 0.6145  | 0.022019949    | 0.00             | 1.0000           |  |
| Packers                   | 3.0076  | 0.054941541    | 0.00             | 4.0000           |  |
| Number Scheduled          | Average | Half Width     | Minimum<br>Value | Maximum<br>Value |  |
| Domestic Shipping         | 1.7349  | (Insufficient) | 0.00             | 2.0000           |  |
| International Shipping    | 0.8685  | (Insufficient) | 0.00             | 1.0000           |  |
| Packers                   | 3.4458  | (Insufficient) | 0.00             | 4.0000           |  |
| Scheduled Utilization     | Value   |                |                  |                  |  |
| Domestic Shipping         | 0.8842  |                |                  |                  |  |
| International Shipping    | 0.7075  |                |                  |                  |  |
| Packers                   | 0.8728  |                |                  |                  |  |
| 0.900                     |         |                |                  |                  |  |



Domestic ShippingInternational ShippingPackers

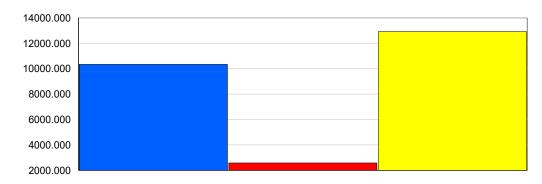
Replications: 1 Time Units: Minutes

#### Resource

## **Usage**

#### **Total Number Seized**

ValueDomestic Shipping10346.00International Shipping2578.00Packers12925.00



Domestic ShippingInternational ShippingPackers