Results of the Simulation Completed at: 25/01/2023 09:35:42

Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	51.23	38.58	67.01
Data Center processing time:	1.59	0.02	4.82

Response Time by Region

Userbase	Avg (ms)	Min (ms)	Max (ms)
UB10	51.18	41.39	60.06
UB11	51.10	42.81	62.91
UB12	50.76	43.10	60.13
UB13	50.96	42.44	61.51
UB14	51.39	41.09	61.10
UB15	50.77	43.29	60.67
UB16	52.21	41.89	60.85
UB17	50.85	42.30	60.40
UB18	50.93	43.72	60.98
UB19	51.94	44.38	59.91
UB1	51.14	43.69	58.50
UB20	51.18	42.05	59.89
UB21	50.77	42.96	58.76
UB22	51.32	44.04	61.76
UB23	51.30	42.36	61.16
UB24	51.71	39.83	59.88
UB25	50.60	44.09	59.85
UB26	51.06	43.14	59.55
UB27	51.64	42.33	60.92
UB28	51.73	43.93	59.63
UB29	51.15	43.94	62.07
UB2	51.59	38.58	59.39
UB30	51.20	40.64	60.03
UB31	51.61	41.44	60.88
UB32	51.24	44.49	60.14
UB33	50.83	42.61	59.67

UB34	50.85	42.55	58.28
UB35	51.16	42.36	63.26
UB36	50.98	40.09	59.63
UB37	51.32	41.03	60.26
UB38	51.73	40.89	58.62
UB39	51.70	43.41	61.26
UB3	51.51	43.91	59.16
UB40	51.36	41.60	58.87
UB41	50.99	40.81	59.19
UB42	51.33	42.13	61.89
UB43	51.22	44.08	58.41
UB44	51.48	43.34	59.64
UB45	51.01	41.01	60.76
UB46	50.87	42.64	59.14
UB47	51.46	40.13	60.88
UB48	52.03	42.28	61.39
UB49	50.87	42.42	63.70
UB4	50.84	43.87	57.25
UB50	51.38	43.19	63.88
UB5	50.82	43.25	60.01
UB6	50.92	41.28	67.01
UB7	51.24	43.39	59.67
UB8	51.59	43.63	59.64
UB9	50.87	40.50	59.76

User Base Hourly Response Times

UB1

UB10
UB11

Response Time (ms)

Response Time (ms)

UB12

Response Time (ms)

UB13

Response Time (ms)

UB14

Response Time (ms)
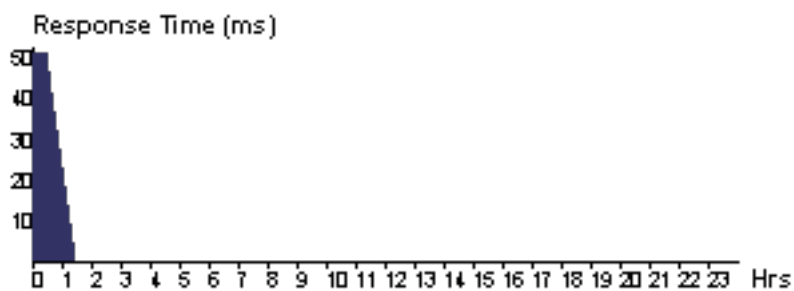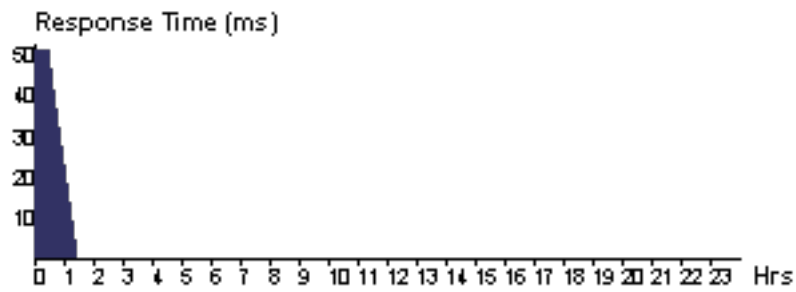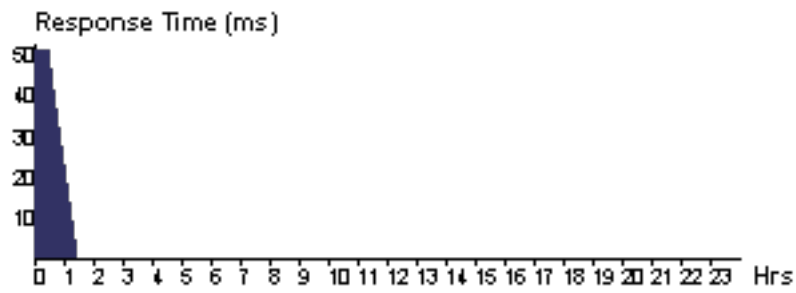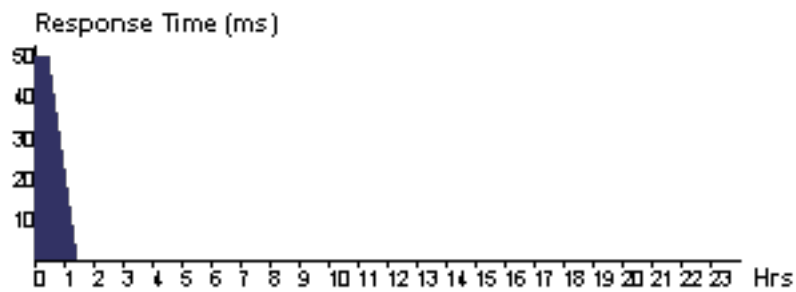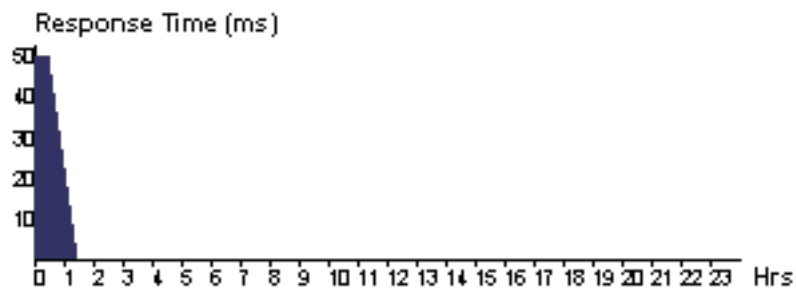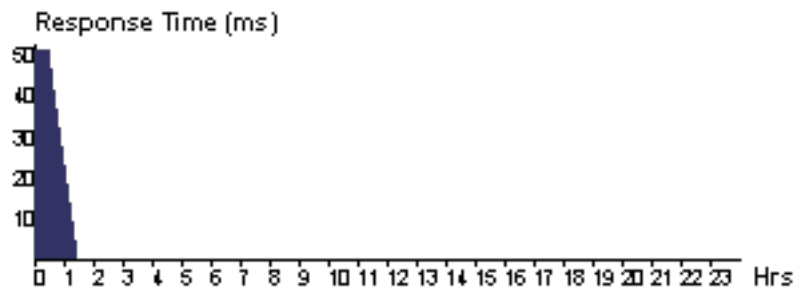
UB15
UB16

UB17

UB18

UB19

UB2

UB20

Response Time (ms)

Response Time (ms)

UB21

Response Time (ms)

UB22

Response Time (ms)

UB23

Response Time (ms)

UB24

UB25

Response Time (ms)

Response Time (ms)

UB26

Response Time (ms)

UB27

Response Time (ms)

UB28

Response Time (ms)

UB29
UB3

Response Time (ms)

Response Time (ms)

UB30

Response Time (ms)

UB31

Response Time (ms)

UB32

Response Time (ms)
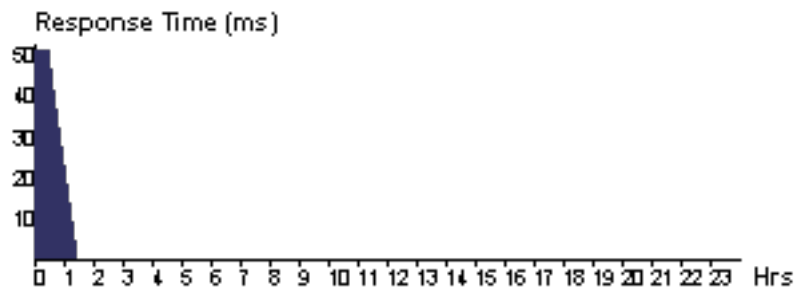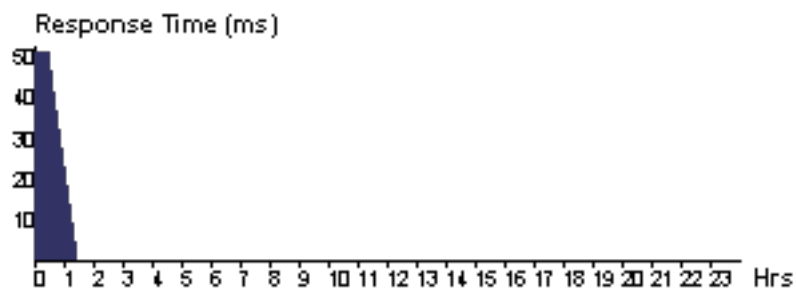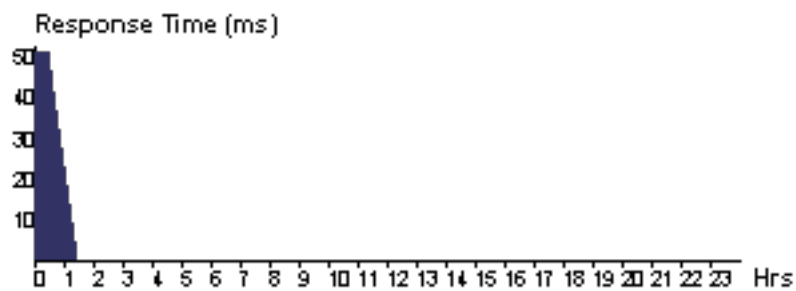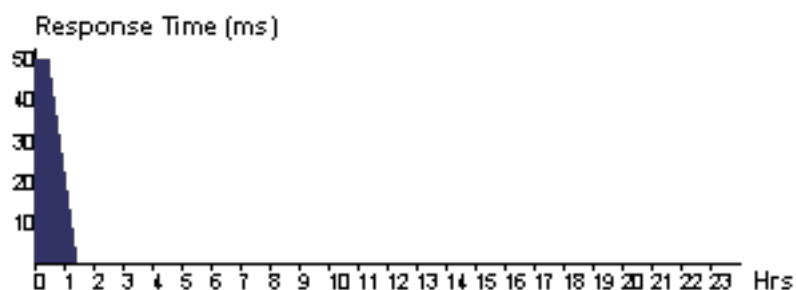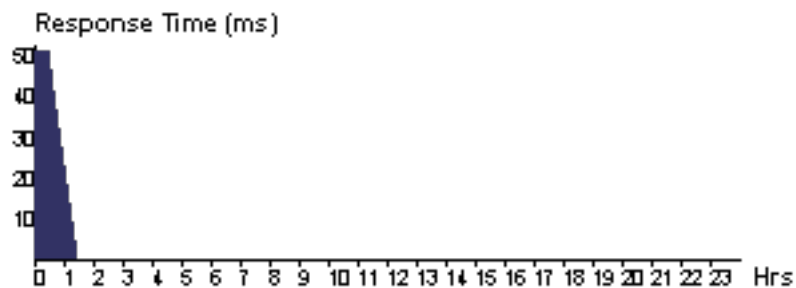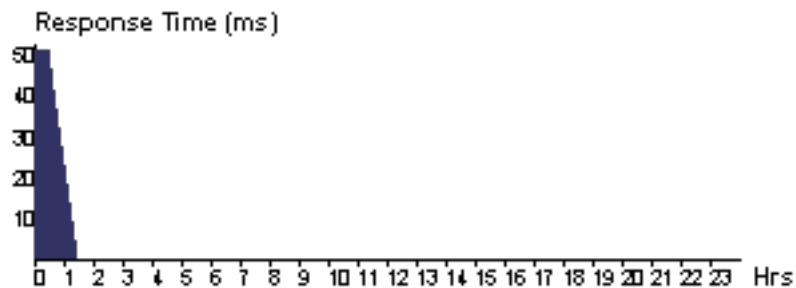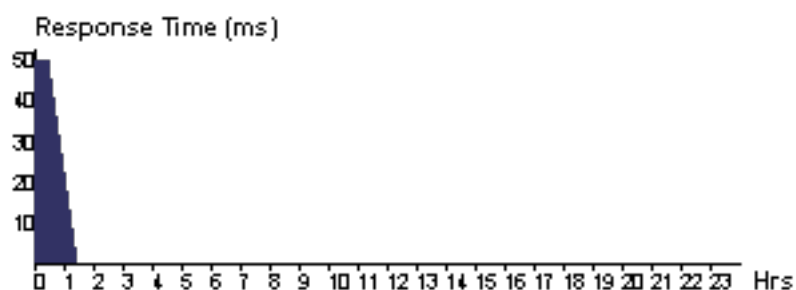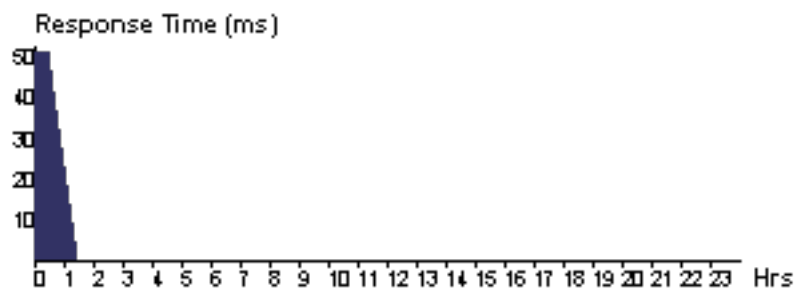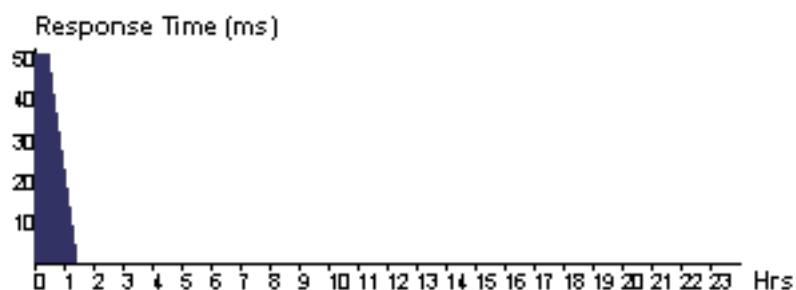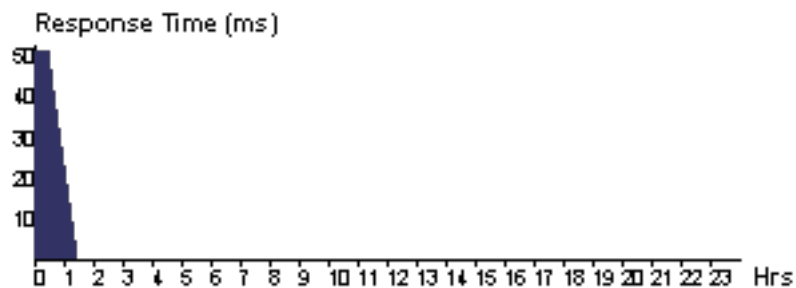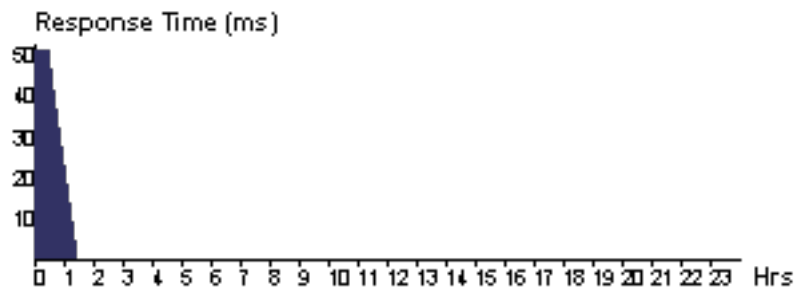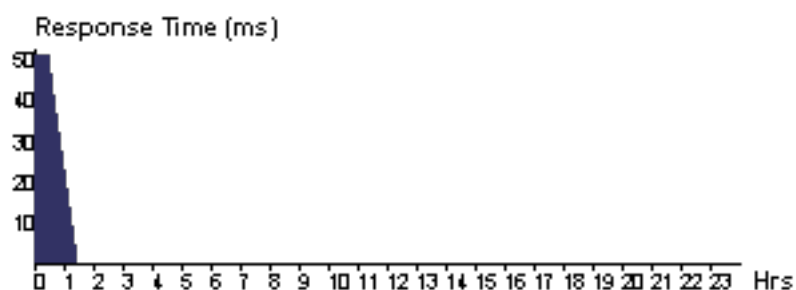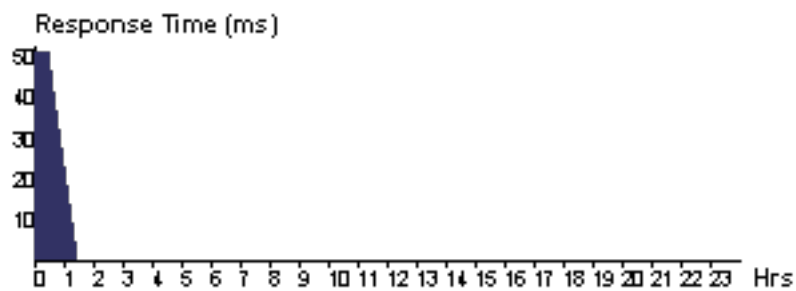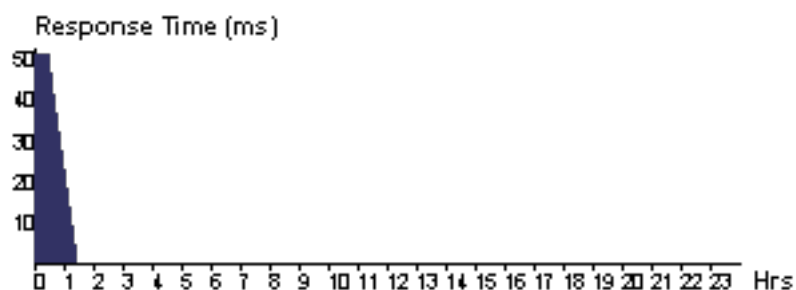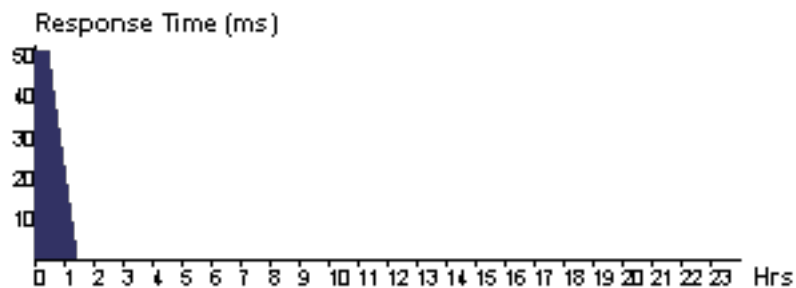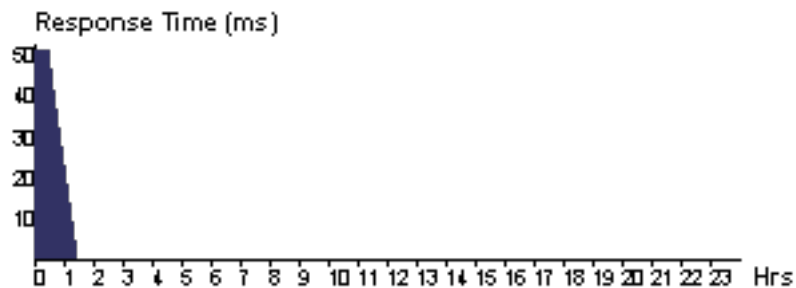
UB33

UB34
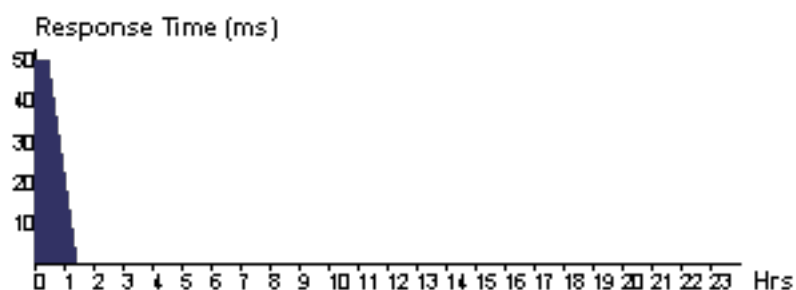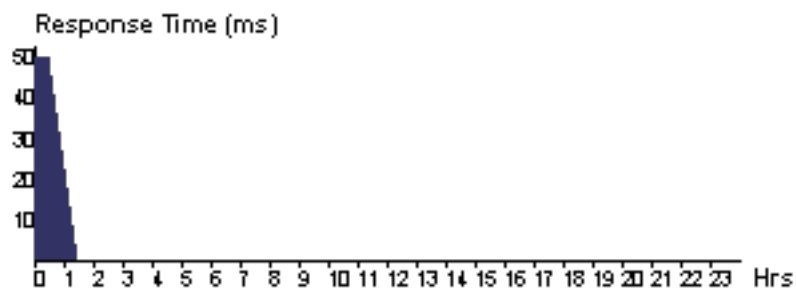
UB35
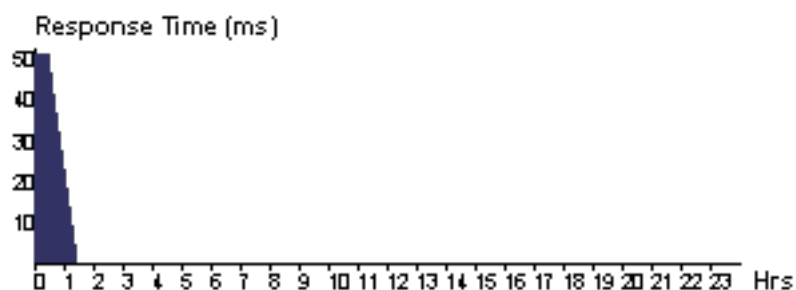
UB36
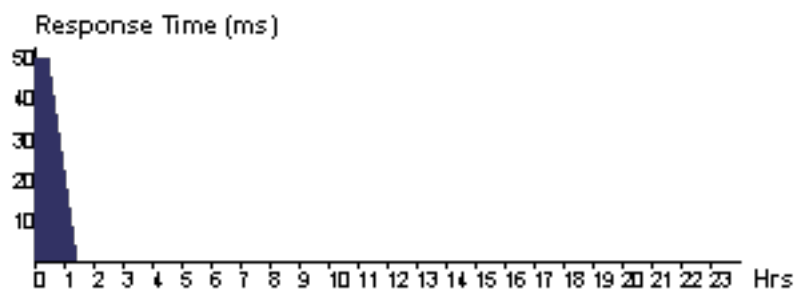
UB37
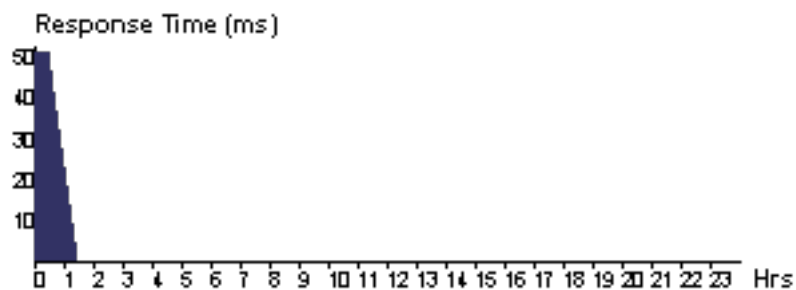
UB38

UB39

UB4

UB40

UB41

UB42

UB43

Response Time (ms)

Response Time (ms)

UB44

Response Time (ms)

UB45

Response Time (ms)

UB46

Response Time (ms)
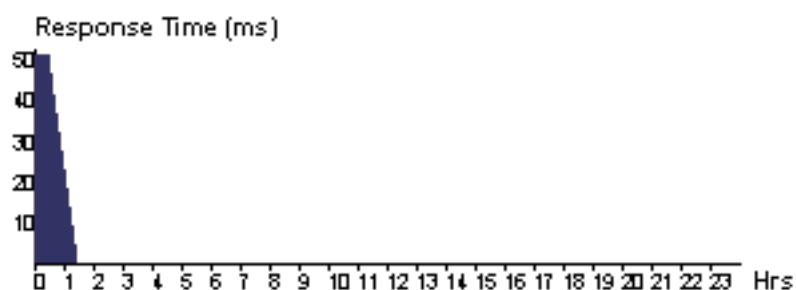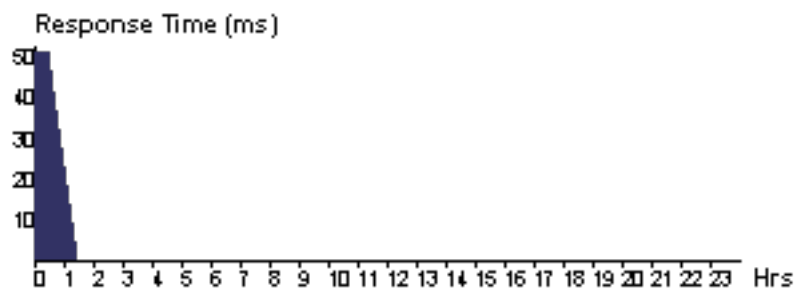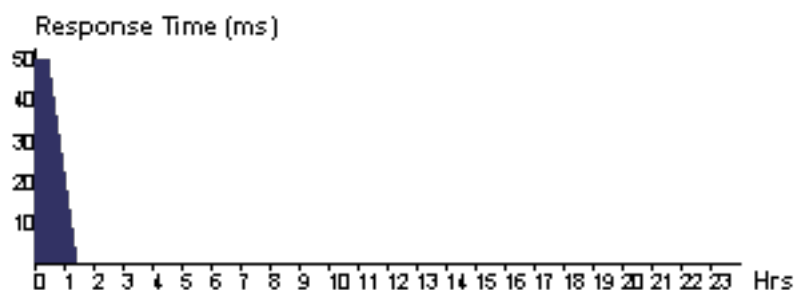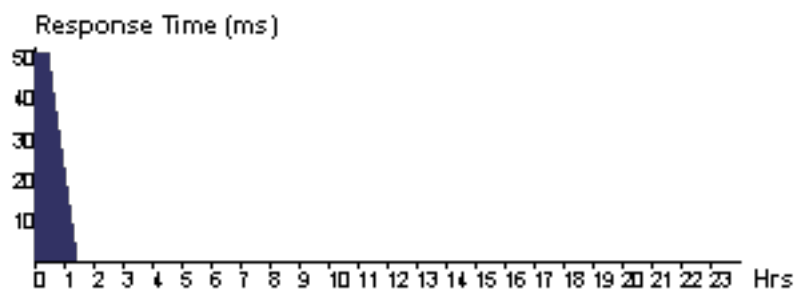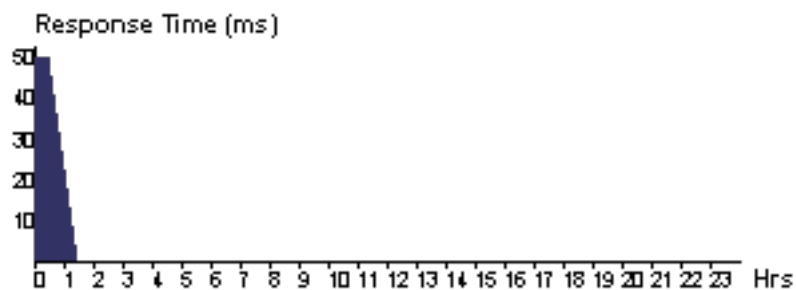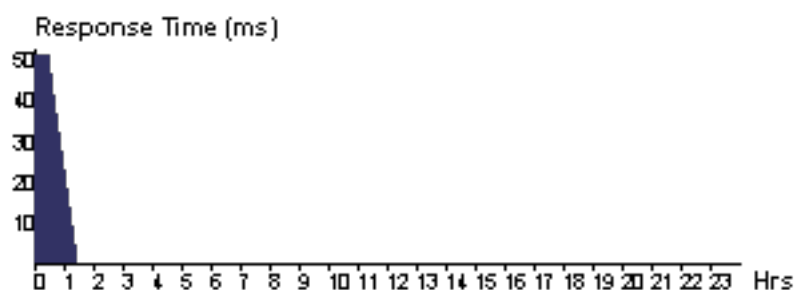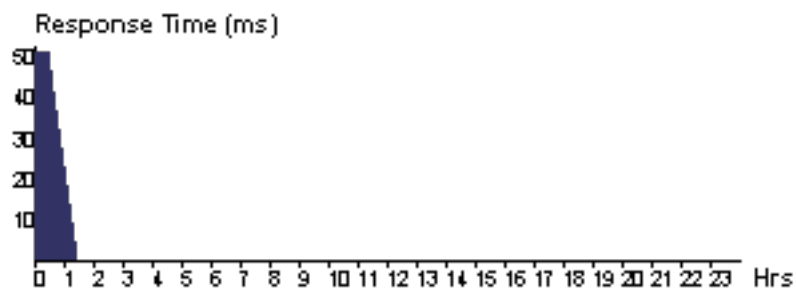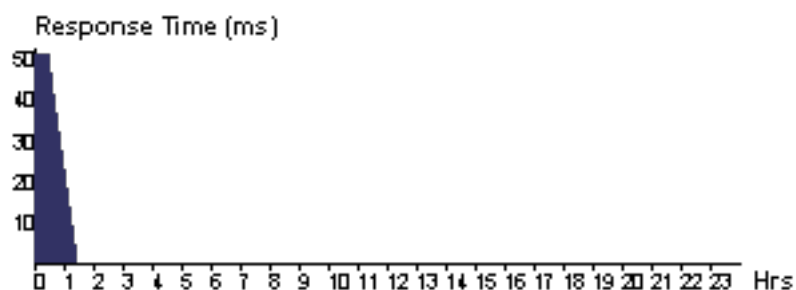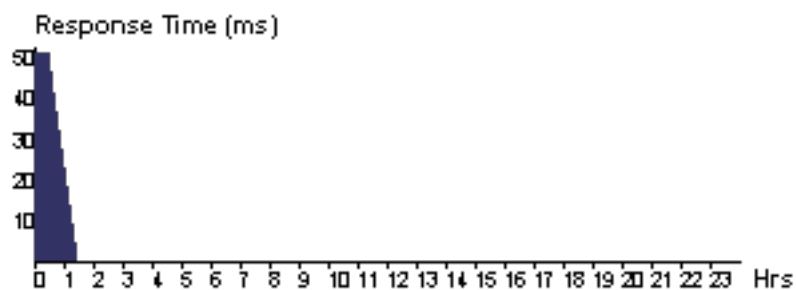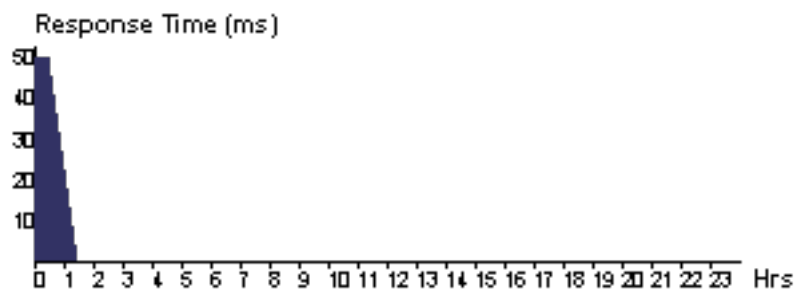
UB47

UB48

UB49

UB5

UB50

UB6

UB7

Response Time (ms)

Response Time (ms)

UB8

Response Time (ms)

UB9

Response Time (ms)
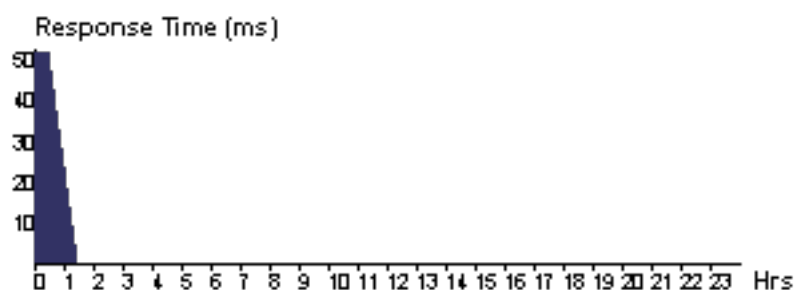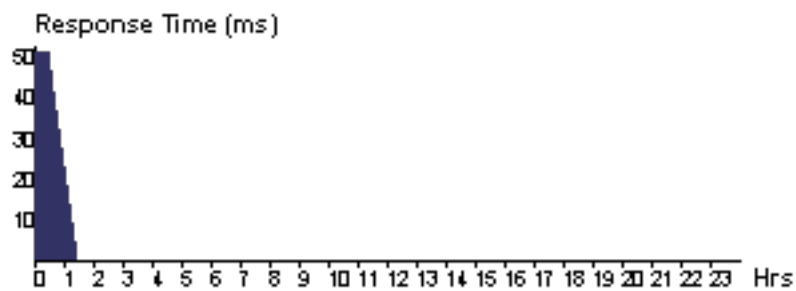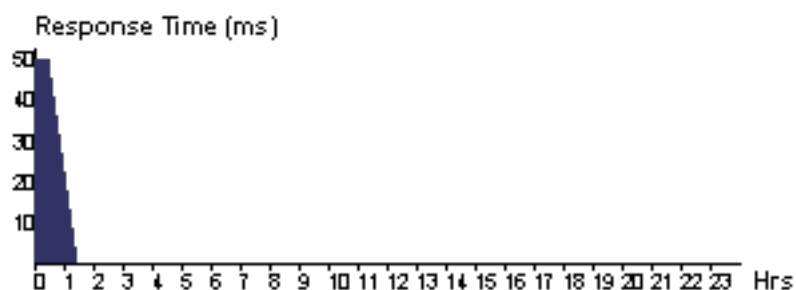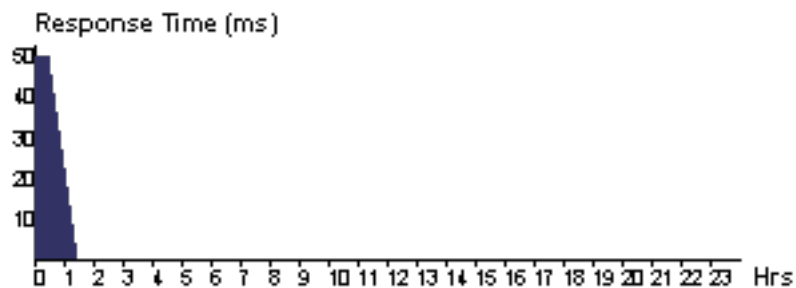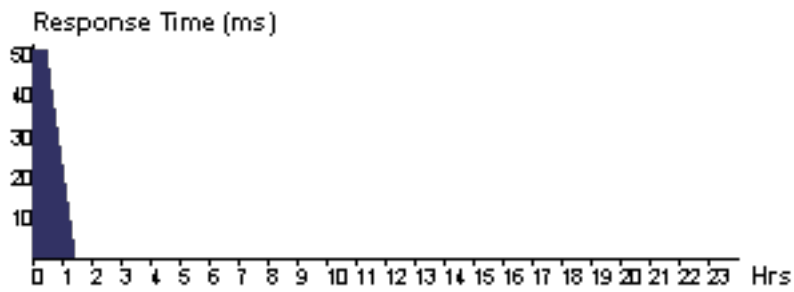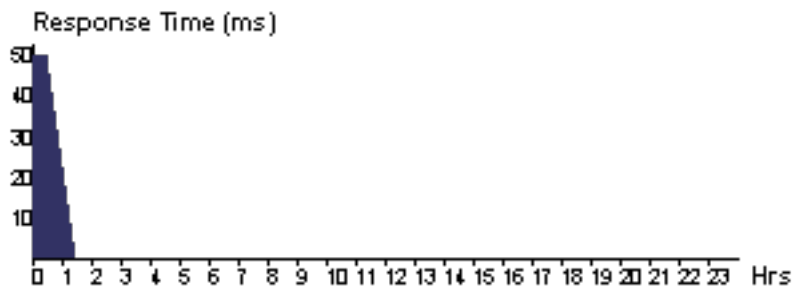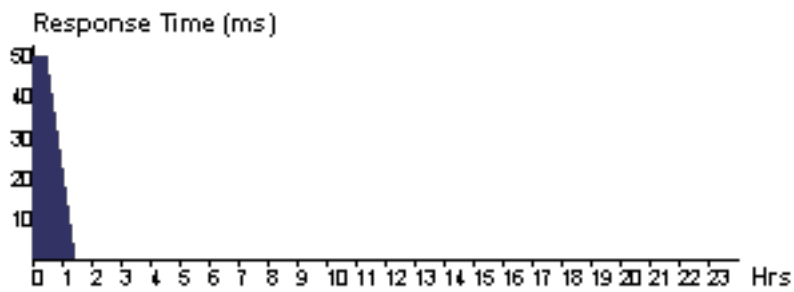
Data Center Request Servicing Times

Data Center	Avg (ms)	Min (ms)	Max (ms)
DC1	1.40	0.02	3.18
DC2	1.68	0.04	3.90
DC3	1.65	0.02	3.45
DC4	1.65	0.02	4.82

Data Center Hourly Average Processing Times

DC1

Processing Time (ms)
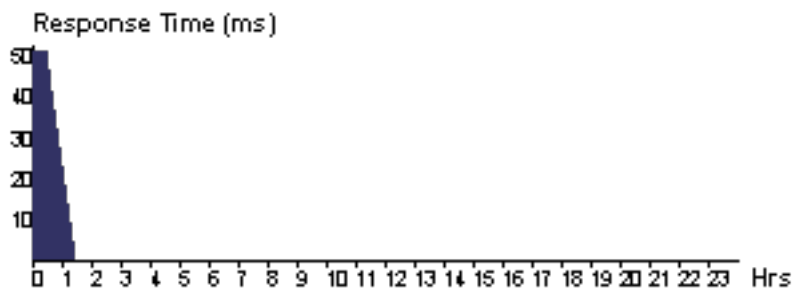
1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23   Hrs

DC2

Processing Time (ms)

1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23   Hrs

DC3

Processing Time (ms)

1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23   Hrs

DC4

Processing Time (ms)

1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23   Hrs
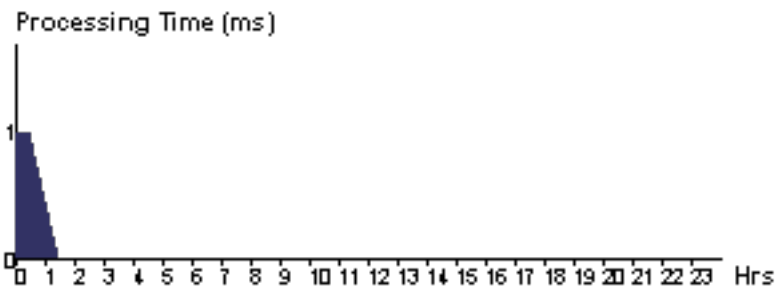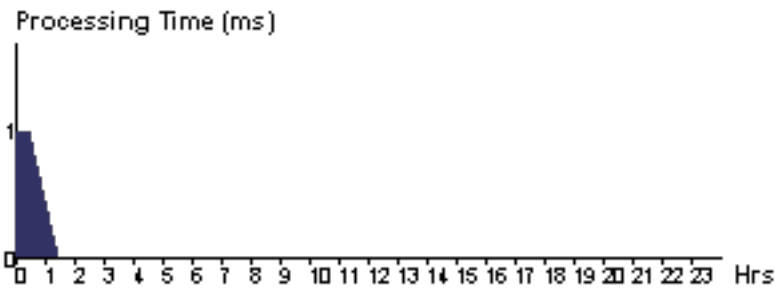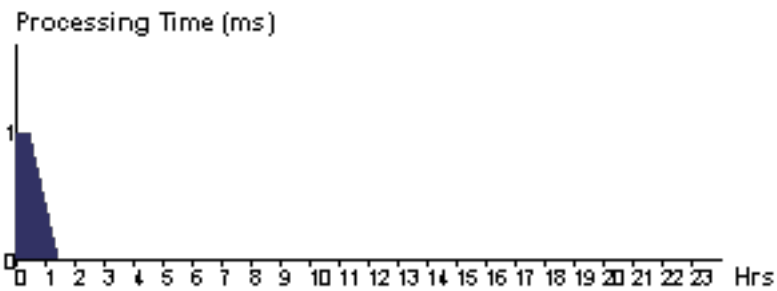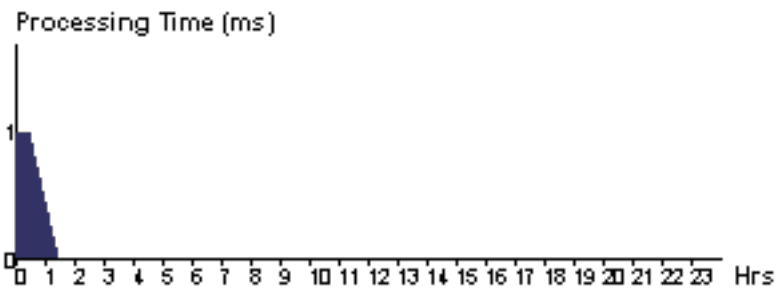
Data Center Hourly Loading

DC1

Req's per Hr

70,000
60,000
50,000
40,000
30,000
20,000
10,000

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23   Hrs
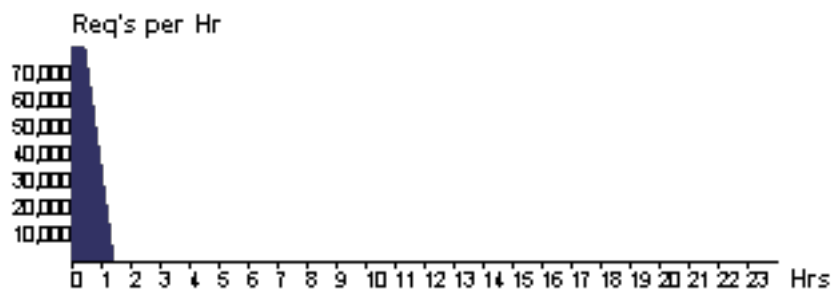
DC2
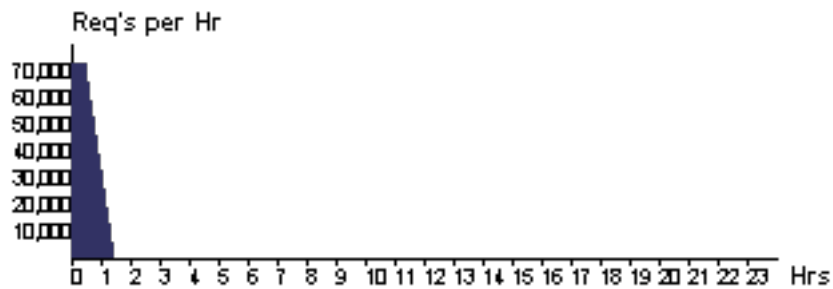
DC3
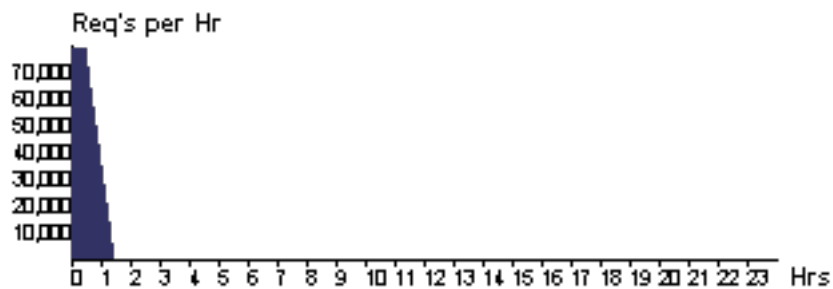
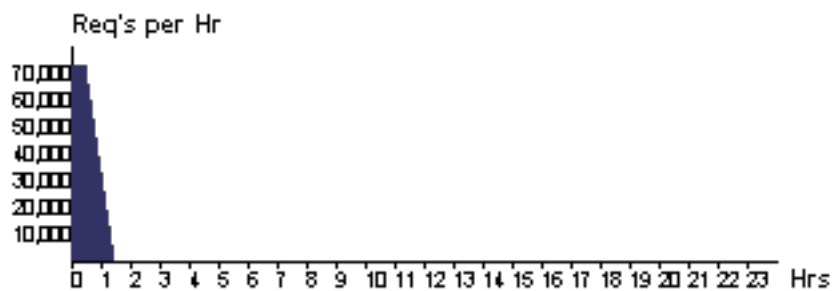DC4

Cost

Total Virtual Machine Cost ($):	2.00
Total Data Transfer Cost ($):	2.94
Grand Total: ($)	4.94

Data Center	VM Cost $	Data Transfer Cost $	Total $
DC2	0.50	0.70	1.20
DC1	0.50	0.77	1.27
DC4	0.50	0.71	1.21
DC3	0.50	0.76	1.26