

## Results of the Simulation Completed at: 23/01/2023 12:47:45

### Overall Response Time Summary

	<b>Avg (ms)</b>	<b>Min (ms)</b>	<b>Max (ms)</b>
Overall response time:	51.23	38.58	67.01
Data Center processing time:	1.59	0.02	2.69

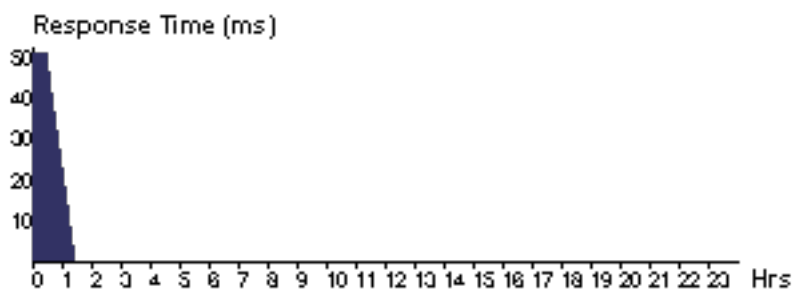
### Response Time by Region

<b>Userbase</b>	<b>Avg (ms)</b>	<b>Min (ms)</b>	<b>Max (ms)</b>
UB10	51.39	41.39	60.06
UB11	51.23	42.81	62.91
UB12	50.61	43.10	60.13
UB13	51.10	40.44	61.51
UB14	51.43	41.09	61.10
UB15	50.31	43.29	60.67
UB16	52.11	41.89	62.21
UB17	50.89	42.30	60.40
UB18	51.24	43.72	60.98
UB19	51.90	44.38	59.91
UB1	51.19	39.64	58.50
UB20	51.09	42.05	59.89
UB21	50.94	42.96	58.76
UB22	51.41	44.04	61.76
UB23	51.54	42.36	61.16
UB24	51.67	39.83	59.88
UB25	50.97	44.09	59.85
UB26	51.20	43.14	58.64
UB27	51.27	41.36	60.57
UB28	51.58	40.82	59.63
UB29	51.01	43.94	57.27
UB2	51.56	38.58	59.39
UB30	51.17	40.64	59.39
UB31	51.48	44.09	60.88
UB32	51.70	45.04	61.39
UB33	50.94	42.61	59.67

UB34	50.85	42.55	58.28
UB35	50.84	42.36	63.26
UB36	50.96	40.09	59.63
UB37	51.18	41.03	60.26
UB38	51.81	42.39	58.62
UB39	51.71	43.41	61.26
UB3	51.20	43.91	59.16
UB40	50.98	41.60	58.87
UB41	51.21	40.81	58.09
UB42	51.33	42.13	61.89
UB43	51.32	44.08	58.41
UB44	51.35	43.00	59.64
UB45	51.12	42.47	60.76
UB46	50.64	42.64	59.14
UB47	51.57	45.66	59.71
UB48	51.82	43.35	61.39
UB49	50.85	42.42	63.70
UB4	50.53	39.25	57.08
UB50	51.00	43.19	63.88
UB5	51.15	43.25	60.01
UB6	51.16	41.28	67.01
UB7	51.33	43.39	61.86
UB8	51.62	43.63	59.64
UB9	50.89	40.50	59.76

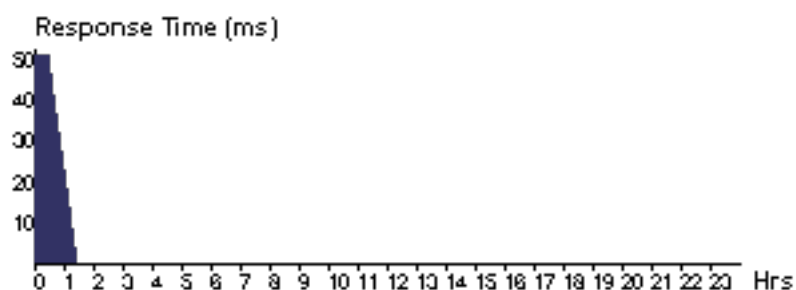
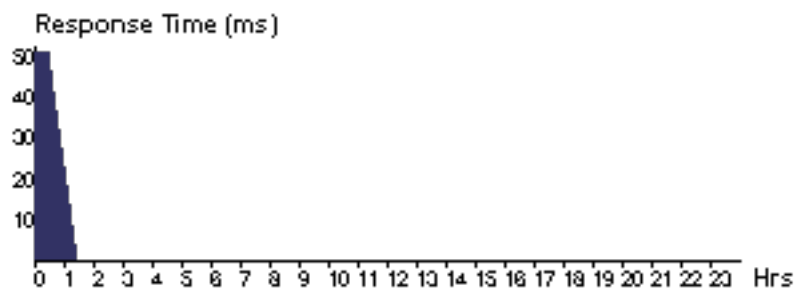
## User Base Hourly Response Times

UB1

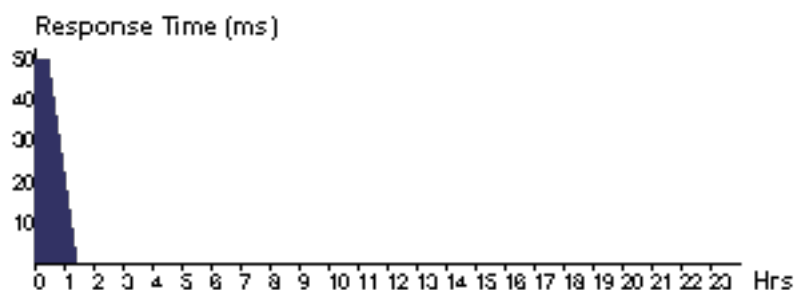


UB10

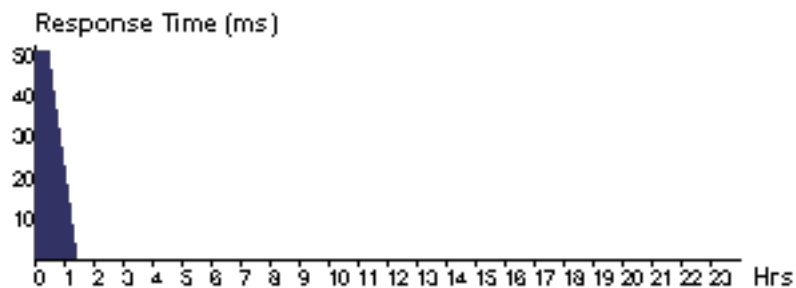
UB11



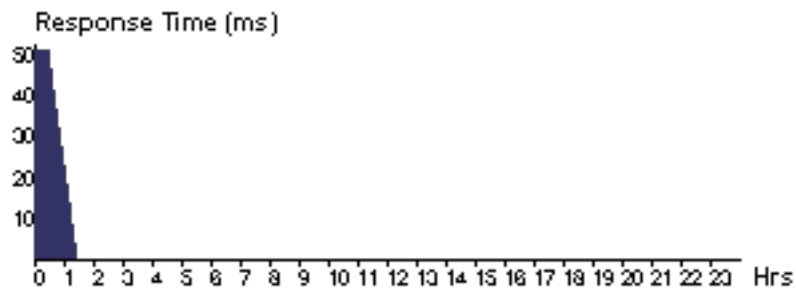
UB12



UB13

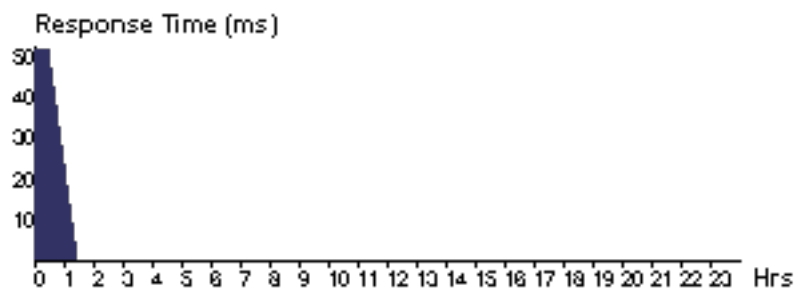
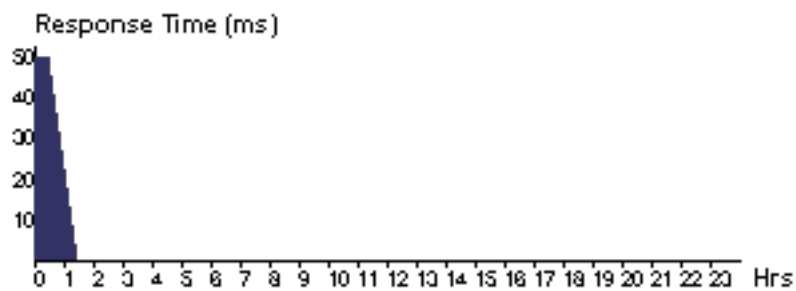


UB14

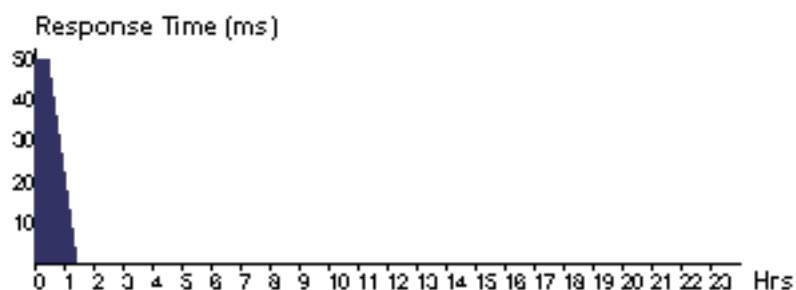


UB15

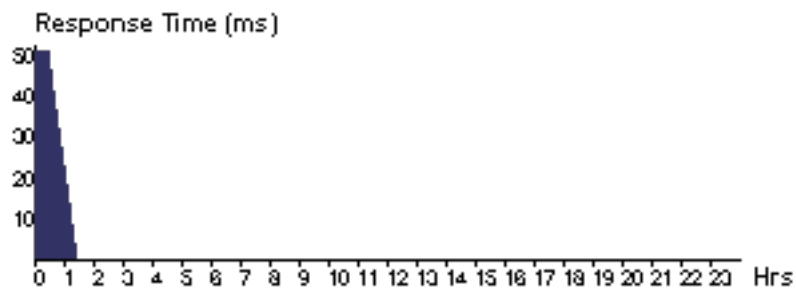
UB16



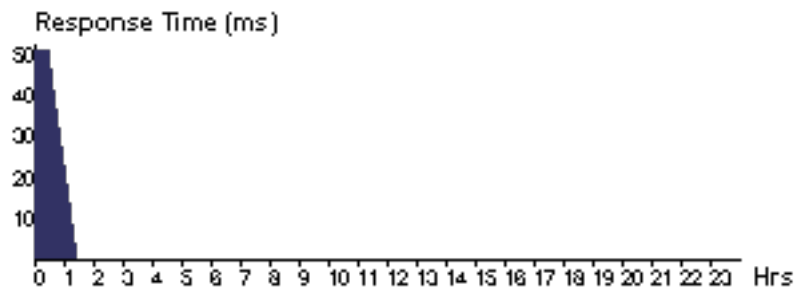
UB17



UB18

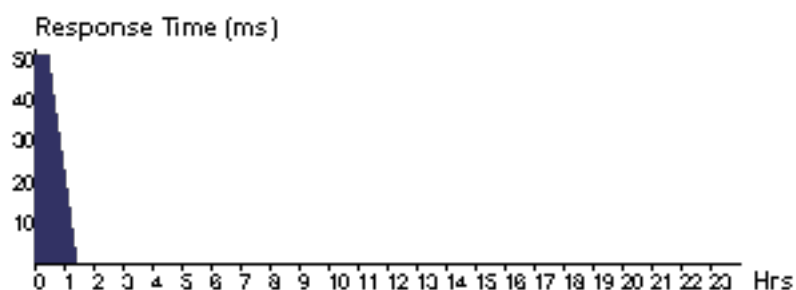
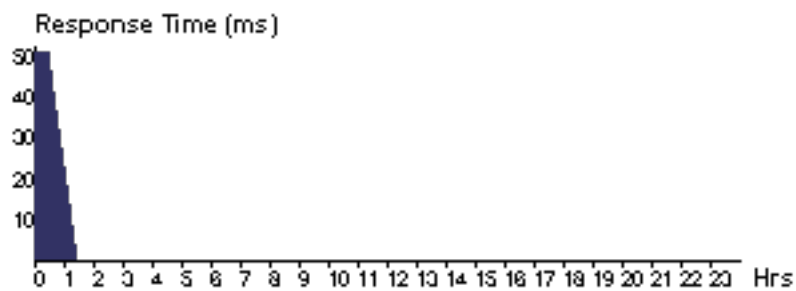


UB19

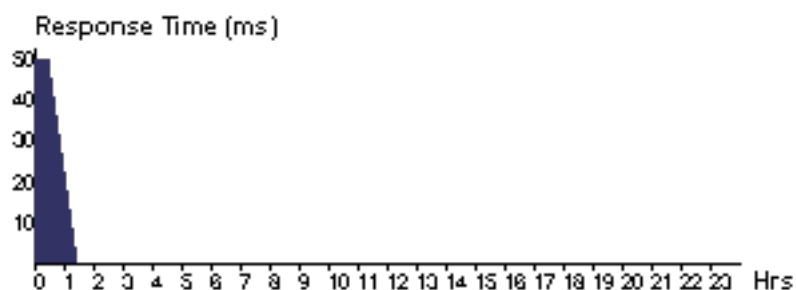


UB2

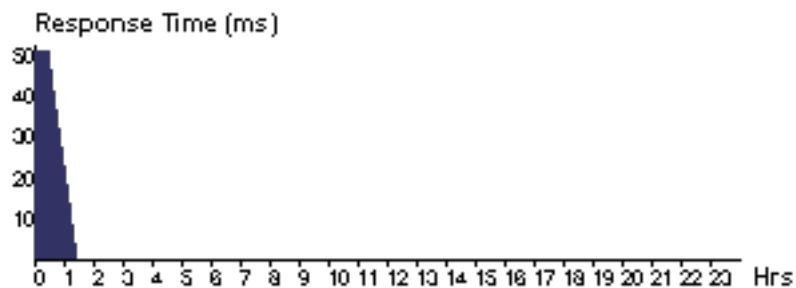
UB20



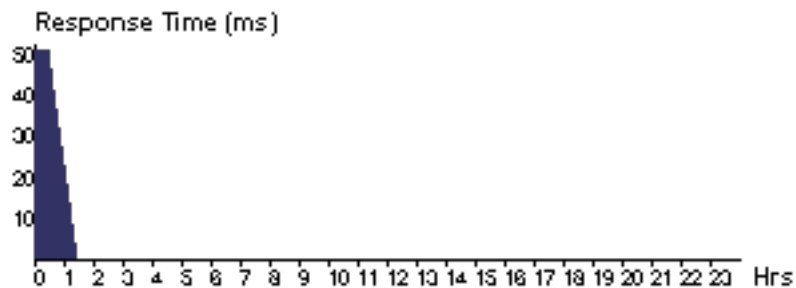
UB21



UB22

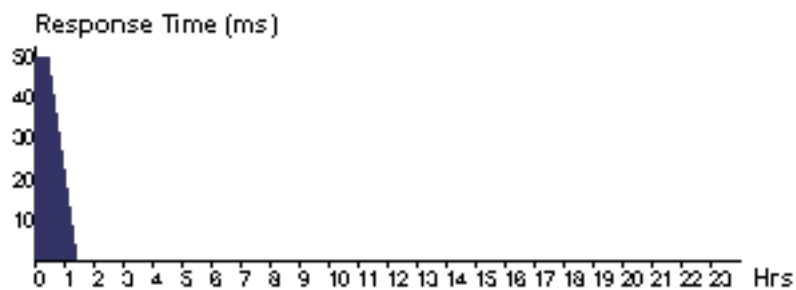
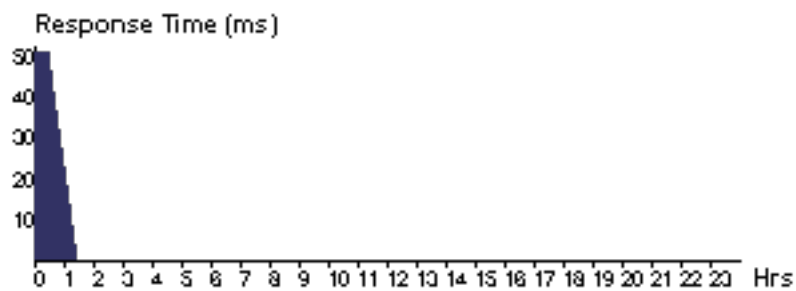


UB23

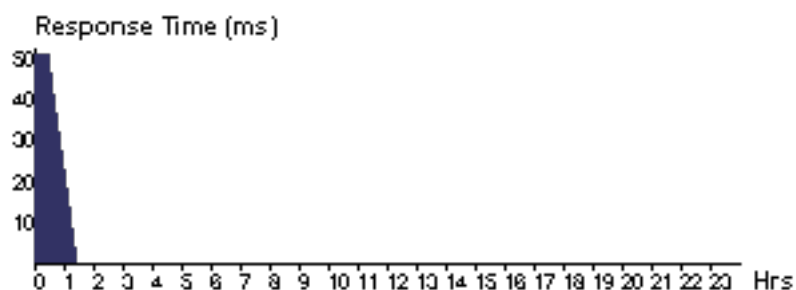


UB24

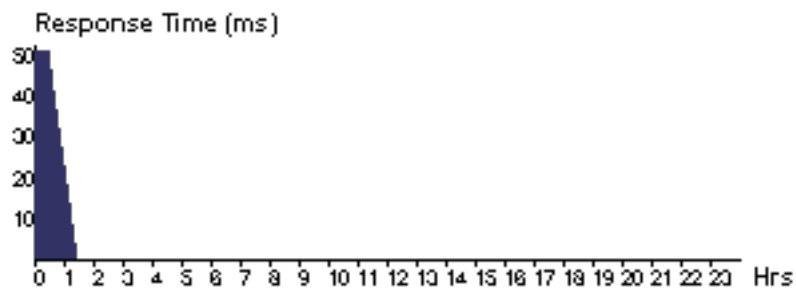
UB25



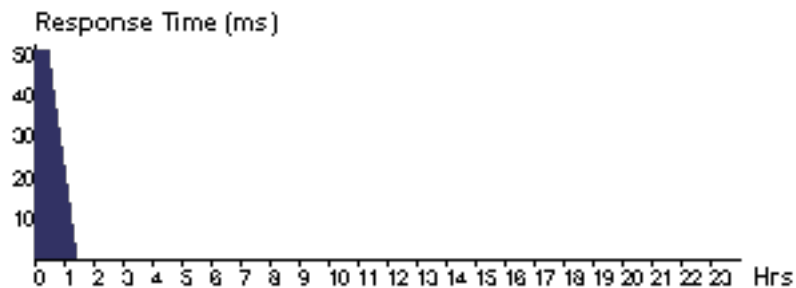
UB26



UB27

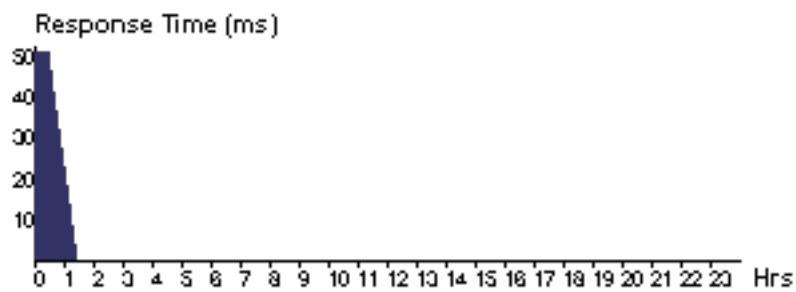
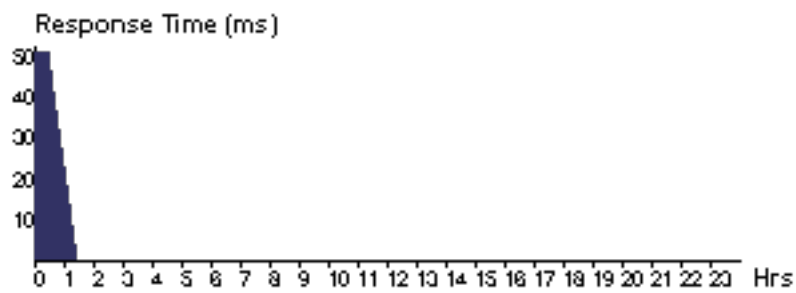


UB28

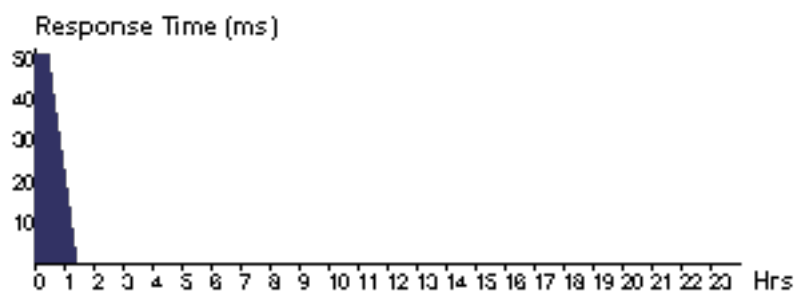


UB29

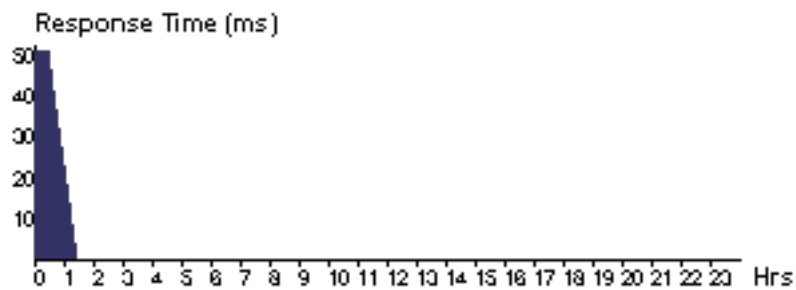
UB3



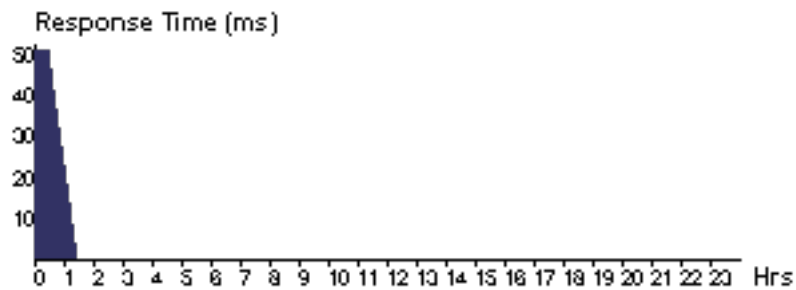
UB30



UB31

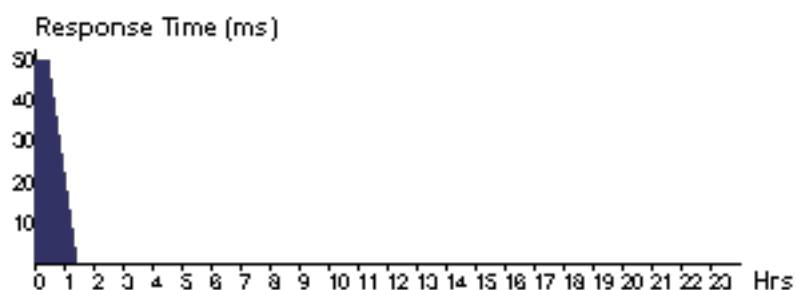
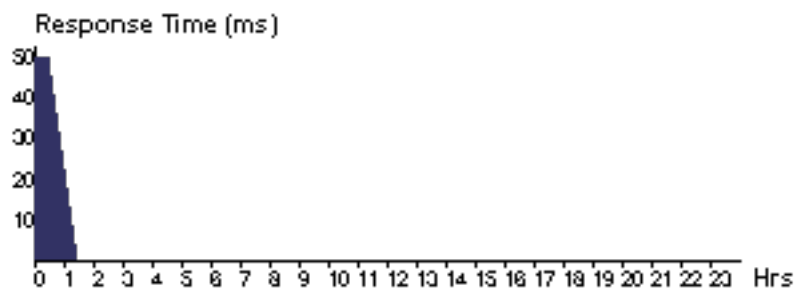


UB32

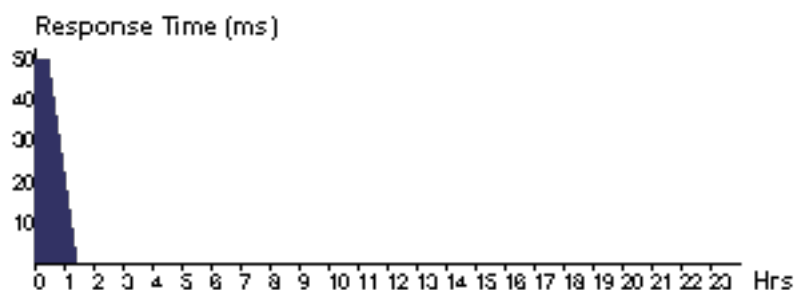


UB33

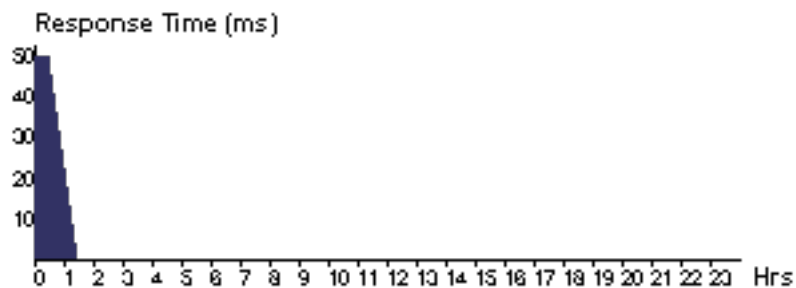
UB34



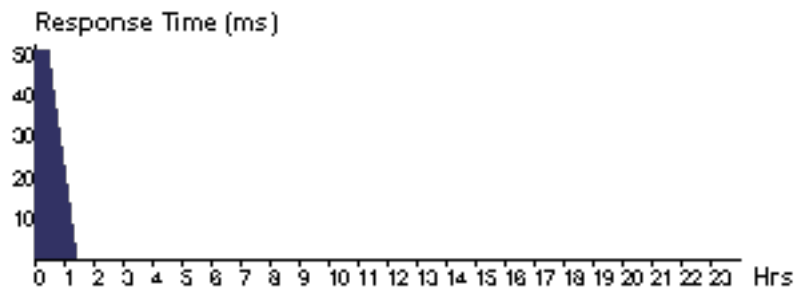
UB35



UB36



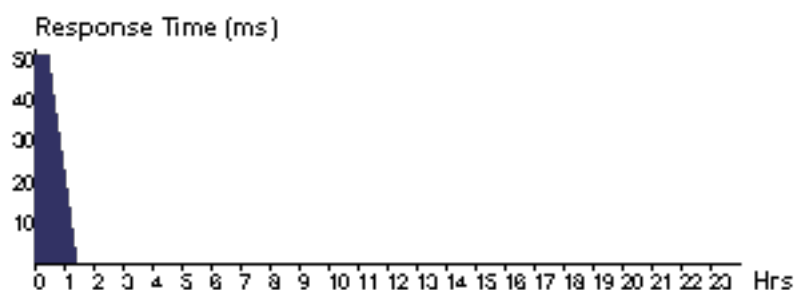
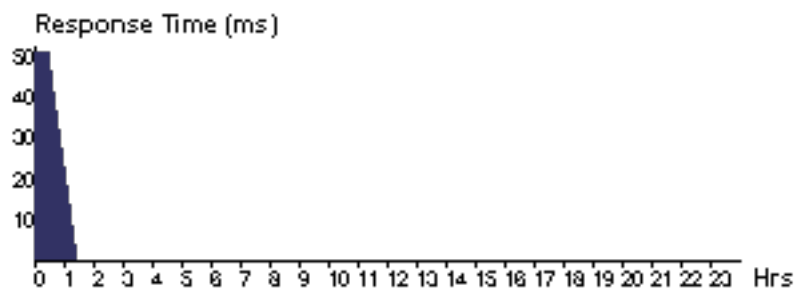
UB37



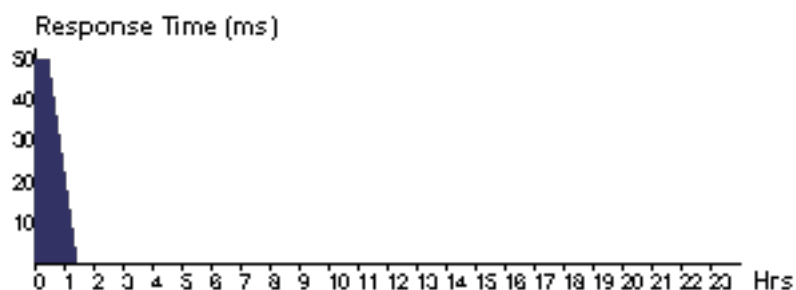
UB38

UB39

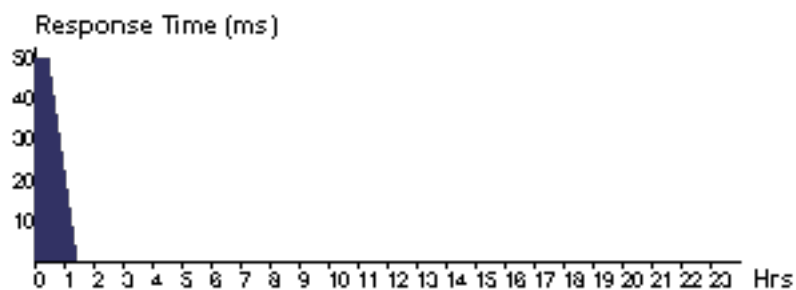




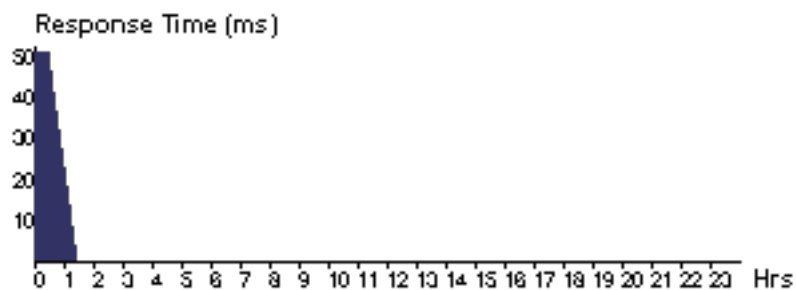
UB4



UB40

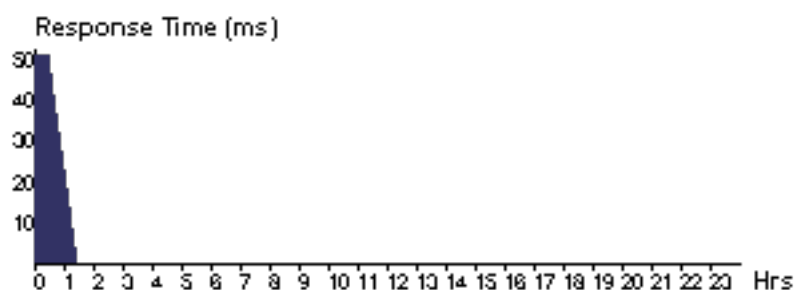
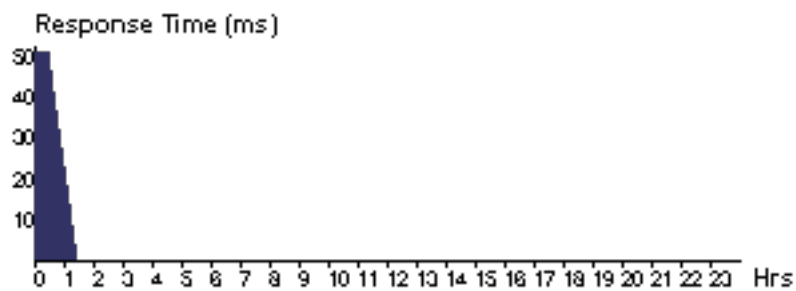


UB41

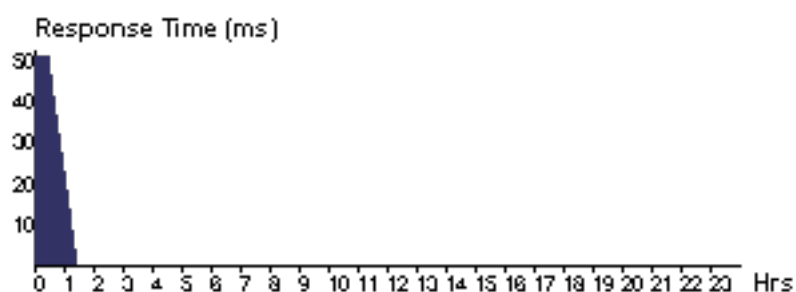


UB42

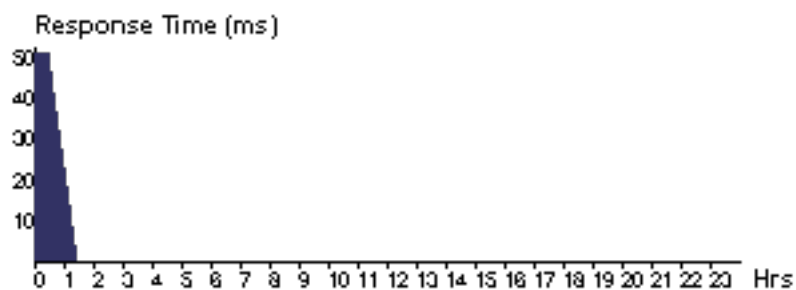
UB43



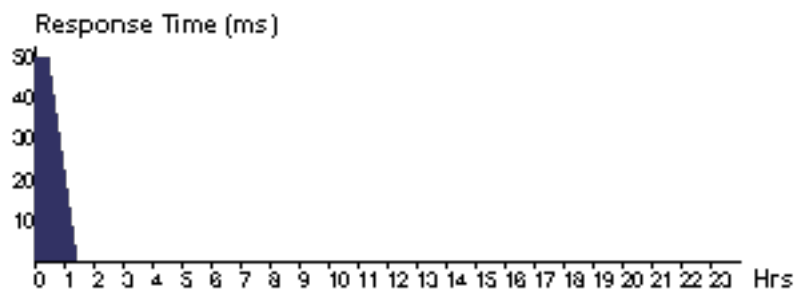
UB44



UB45

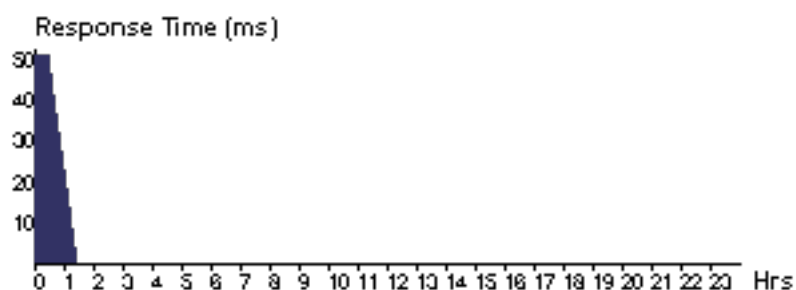
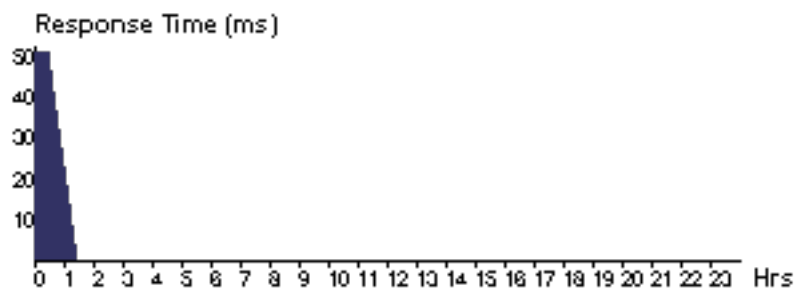


UB46

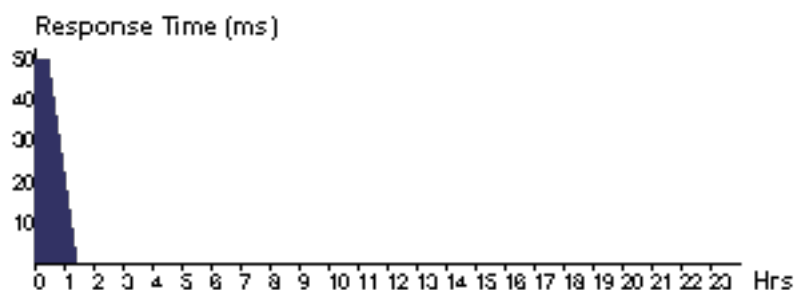


UB47

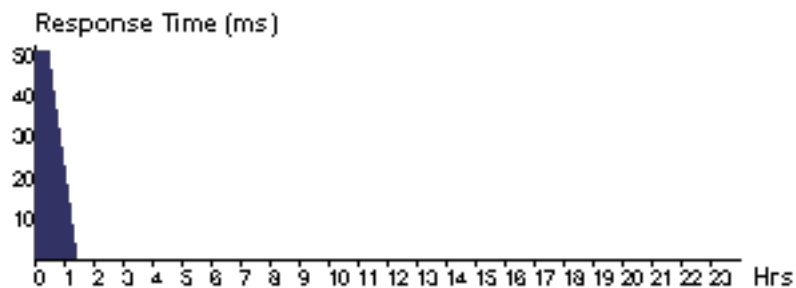
UB48



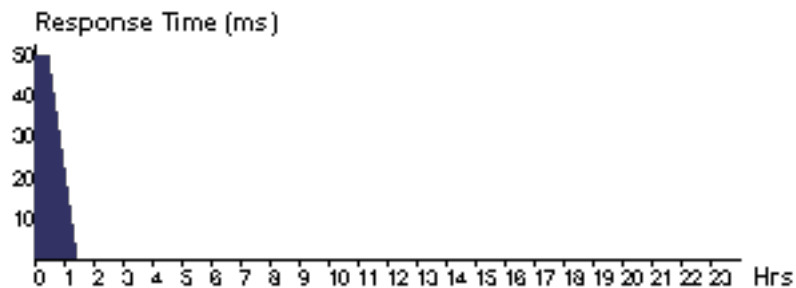
UB49



UB5

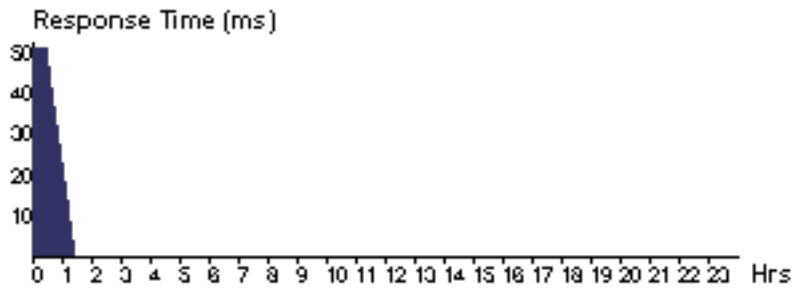
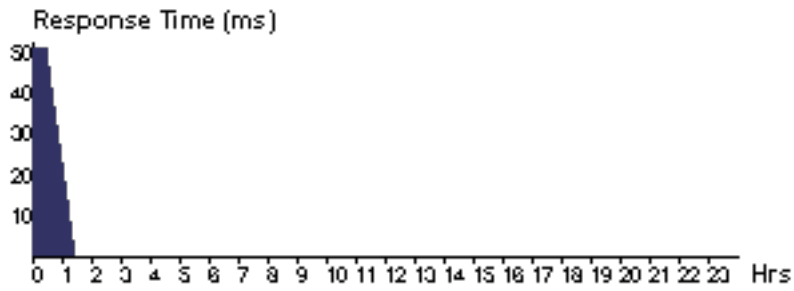


UB50

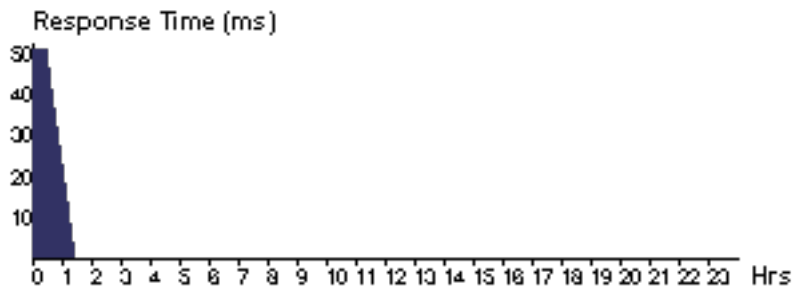


UB6

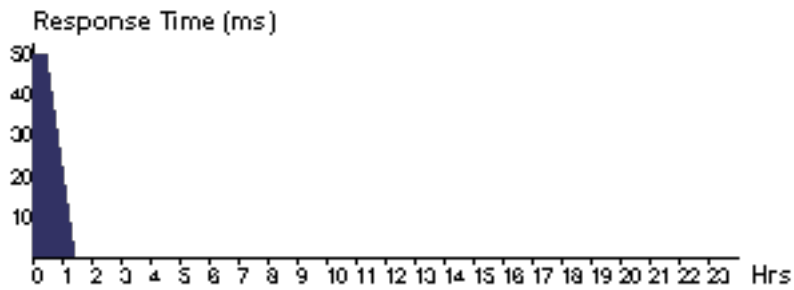
UB7



UB8



UB9

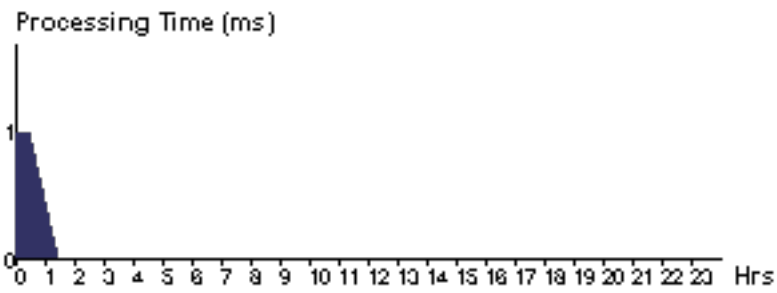


## Data Center Request Servicing Times

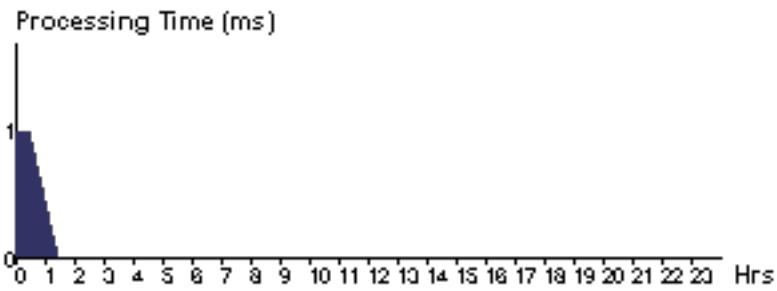
Data Center	Avg (ms)	Min (ms)	Max (ms)
DC1	1.40	0.02	2.30
DC2	1.64	0.02	2.65
DC3	1.67	0.04	2.68
DC4	1.64	0.02	2.69

## Data Center Hourly Average Processing Times

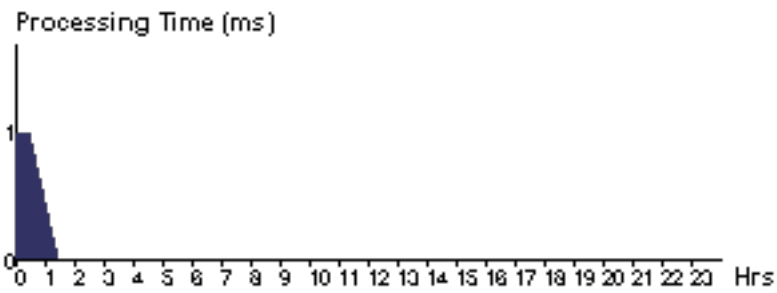
DC1



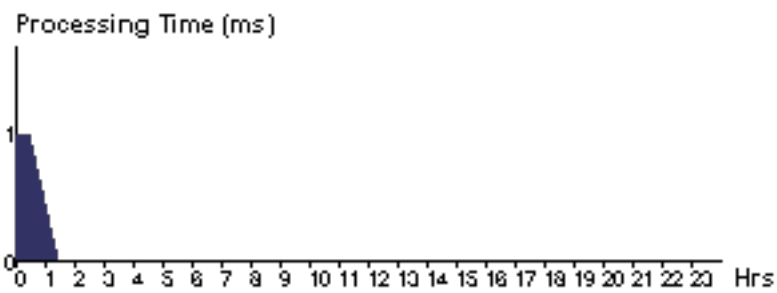
DC2



DC3



DC4

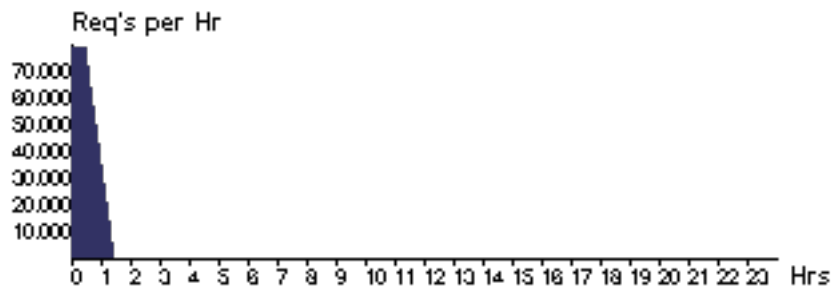


Data Center Hourly Loading

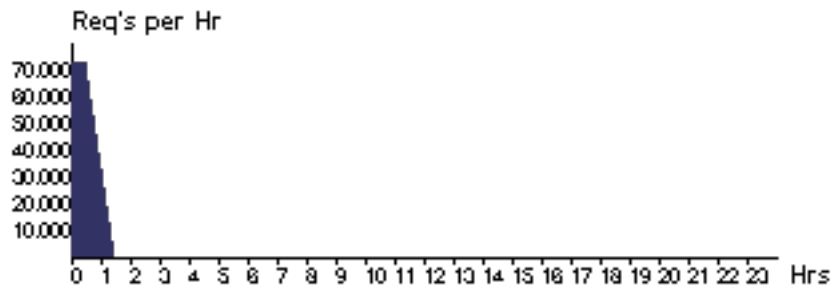
DC1



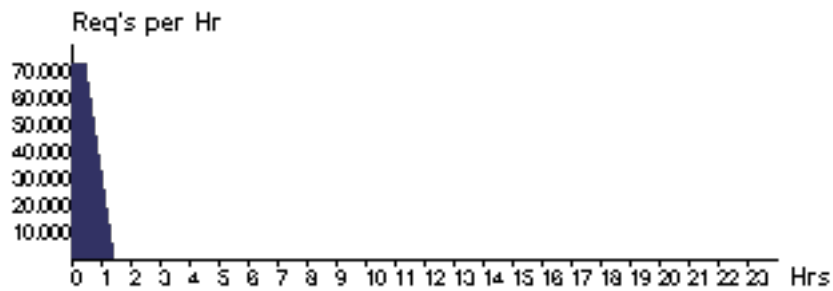
DC2



### 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	0.76	1.26
DC1	0.50	0.77	1.27
DC4	0.50	0.71	1.21
DC3	0.50	0.70	1.20