

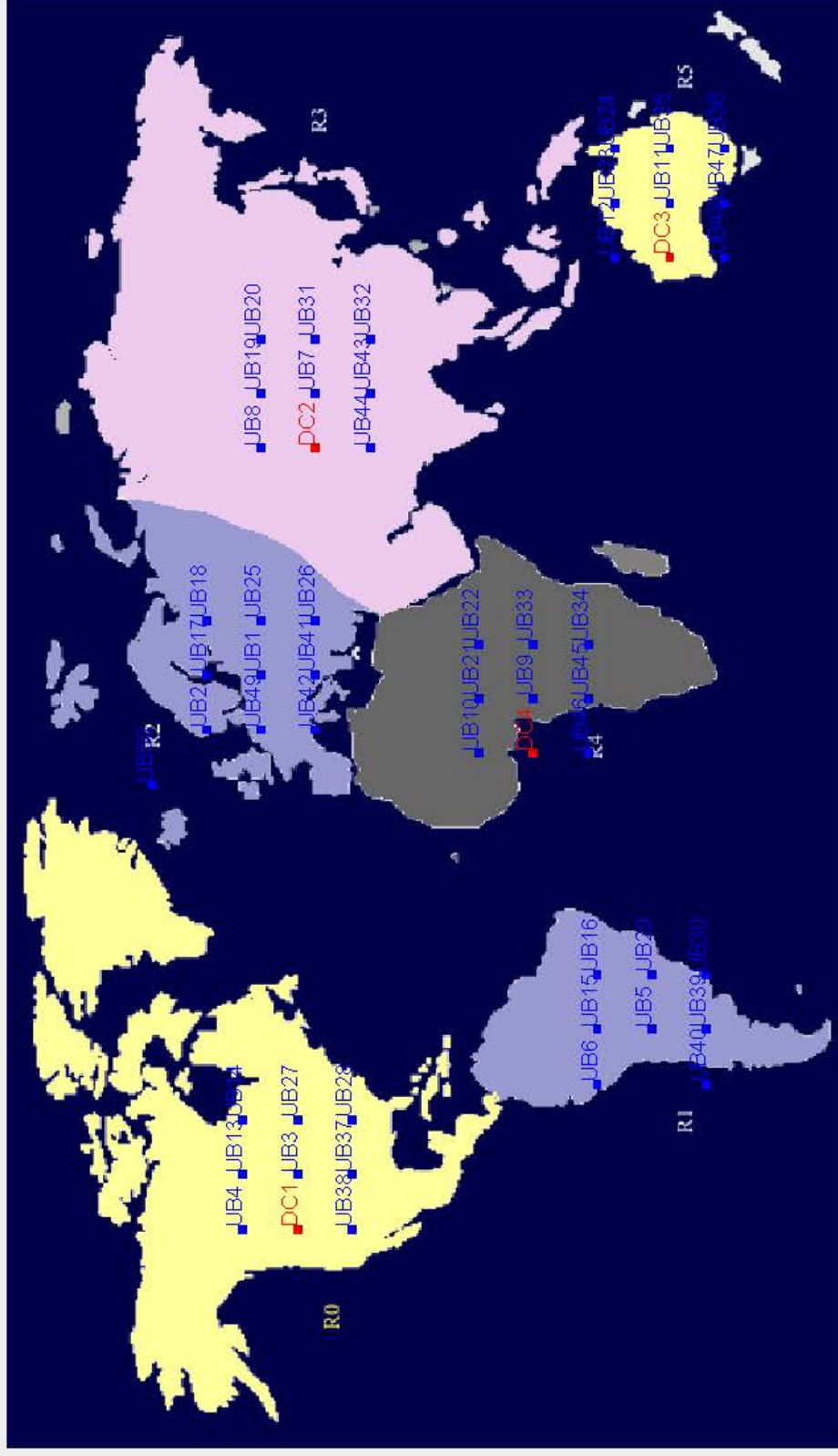
Configure Simulation

Define Internet
Characteristics

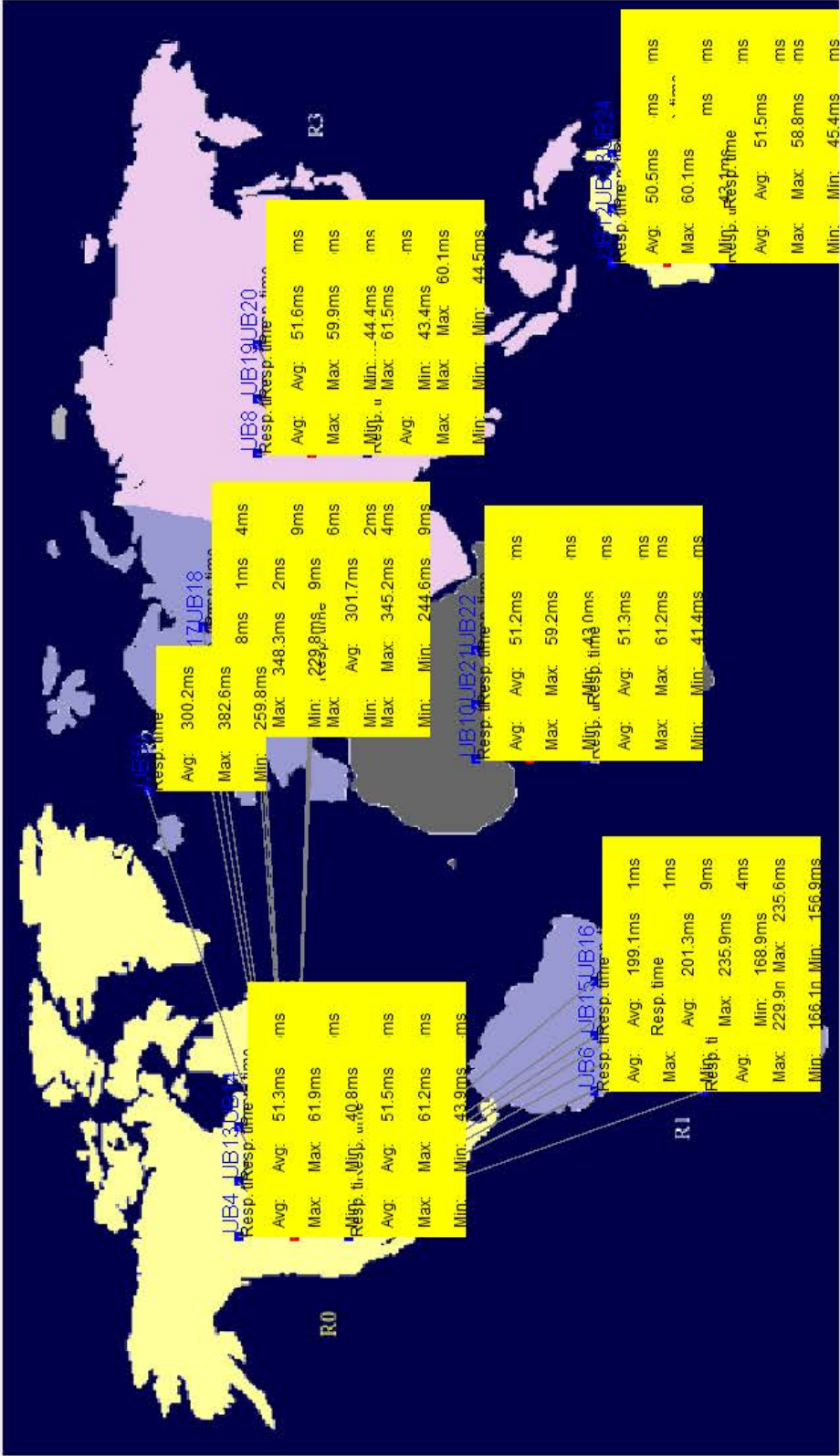
Run Simulation

Exit

Show Region Boundaries



Simulation Complete



Results of the Simulation Completed at: 23/01/2023 12:38:01

Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	125.36	39.25	382.63
Data Center processing time:	1.57	0.02	4.01

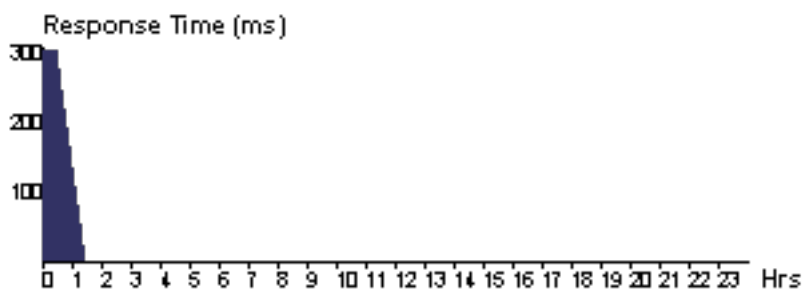
Response Time by Region

Userbase	Avg (ms)	Min (ms)	Max (ms)
UB10	51.12	41.41	60.09
UB11	50.87	42.77	62.88
UB12	50.65	43.10	60.13
UB13	51.30	40.80	61.89
UB14	51.29	41.09	62.64
UB15	199.53	171.87	236.90
UB16	204.00	161.90	243.12
UB17	299.04	250.89	337.90
UB18	301.34	261.23	363.49
UB19	51.67	43.26	59.89
UB1	302.55	261.25	349.82
UB20	51.23	41.84	59.89
UB21	51.08	43.04	59.16
UB22	51.30	43.66	61.79
UB23	51.33	42.33	61.14
UB24	51.75	39.83	59.88
UB25	300.55	258.18	358.63
UB26	301.11	243.28	342.40
UB27	51.58	42.28	60.50
UB28	51.38	41.82	59.62
UB29	201.03	171.03	223.19
UB2	303.93	229.84	348.32
UB30	201.49	156.89	235.55
UB31	51.53	44.07	60.85
UB32	51.20	45.12	60.14
UB33	51.34	42.97	60.05

UB34	51.01	42.58	58.95
UB35	50.97	42.33	63.23
UB36	50.71	40.09	59.63
UB37	51.11	41.35	60.64
UB38	51.83	42.39	58.62
UB39	202.62	166.14	251.99
UB3	51.50	43.88	59.13
UB40	200.32	166.11	229.88
UB41	301.08	244.58	345.17
UB42	302.40	252.16	361.90
UB43	51.45	44.05	58.39
UB44	51.30	43.34	59.64
UB45	51.67	41.41	61.17
UB46	50.99	42.66	59.17
UB47	51.19	44.11	58.85
UB48	52.19	42.73	61.39
UB49	302.07	250.90	375.32
UB4	50.52	39.25	59.64
UB50	298.82	253.58	382.63
UB5	201.77	168.88	235.90
UB6	199.35	164.28	262.76
UB7	51.47	43.36	61.45
UB8	51.84	44.91	59.64
UB9	51.33	40.59	60.18

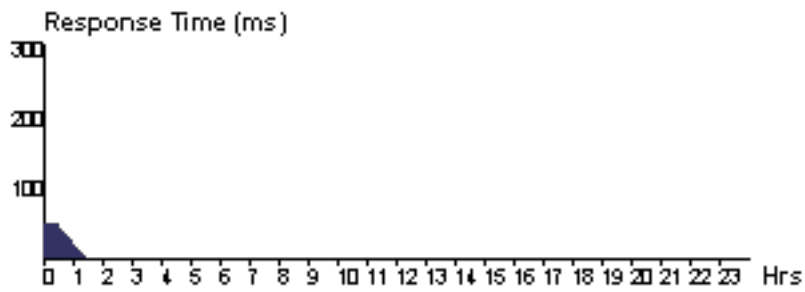
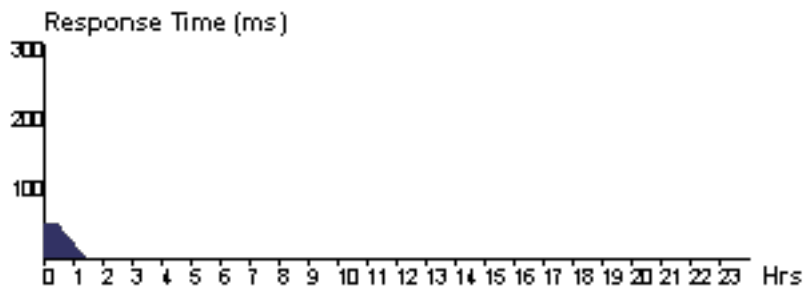
User Base Hourly Response Times

UB1

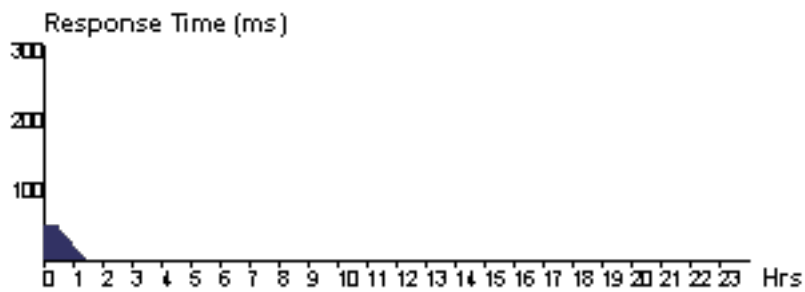


UB10

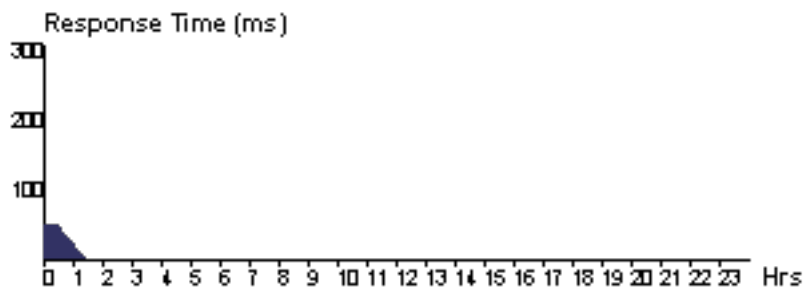
UB11



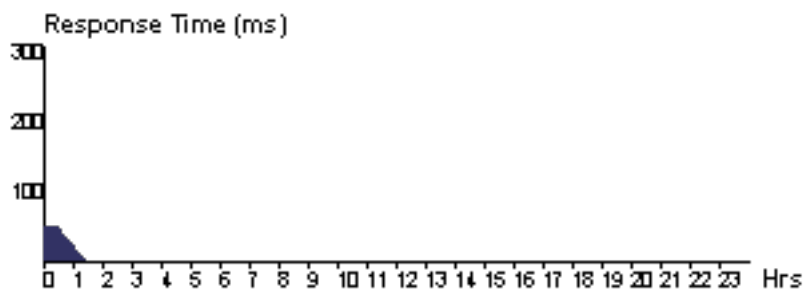
UB12



UB13

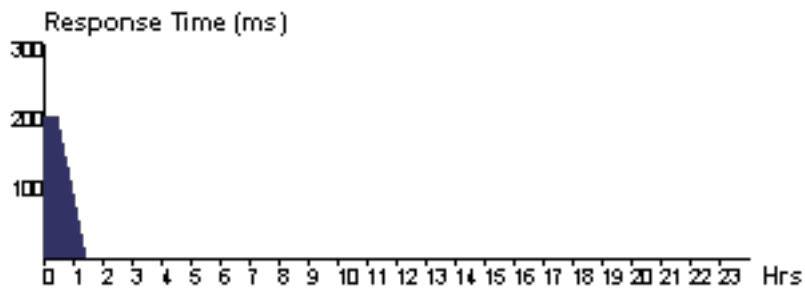
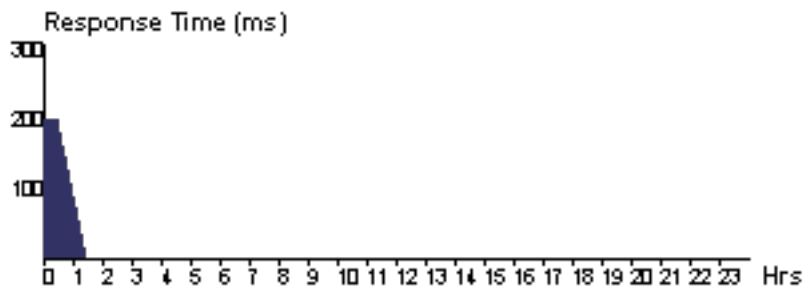


UB14

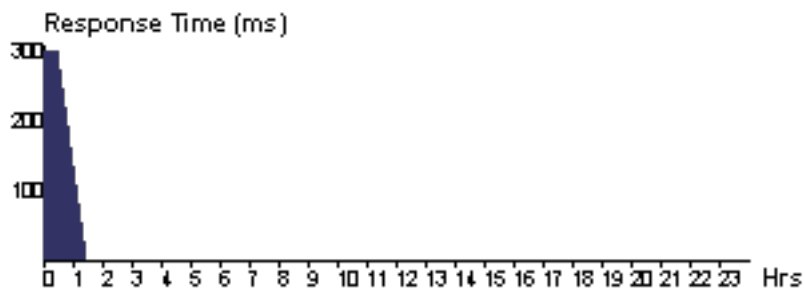


UB15

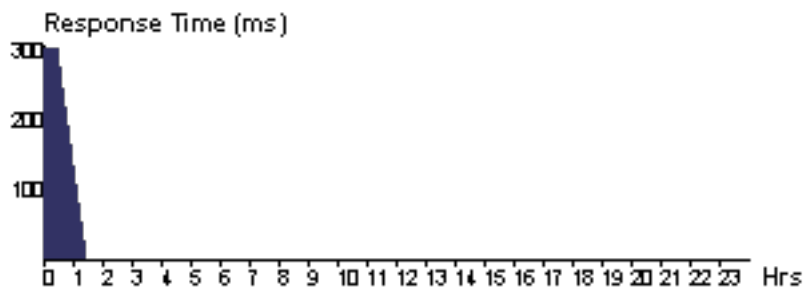
UB16



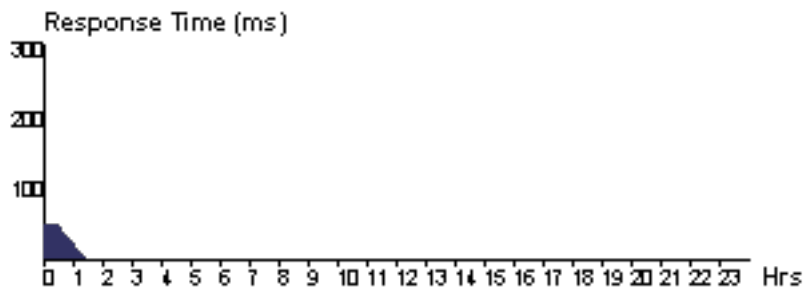
UB17



UB18

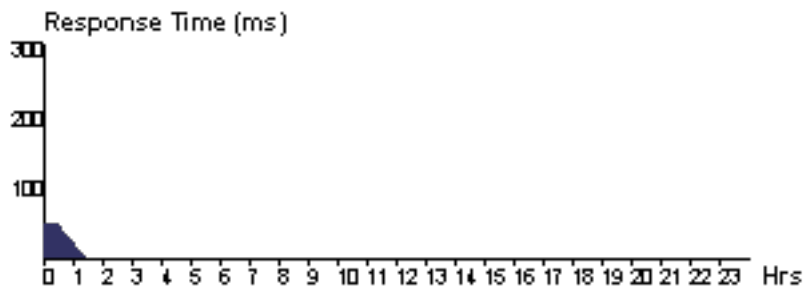
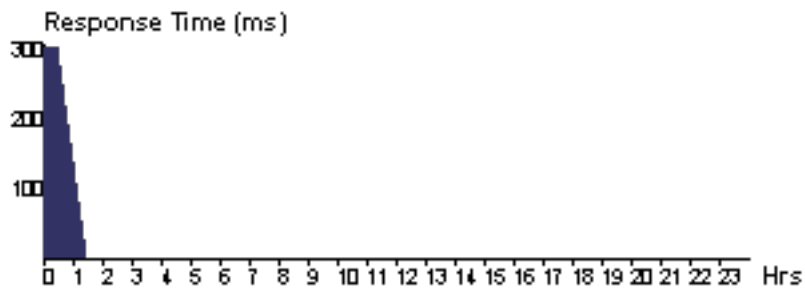


UB19

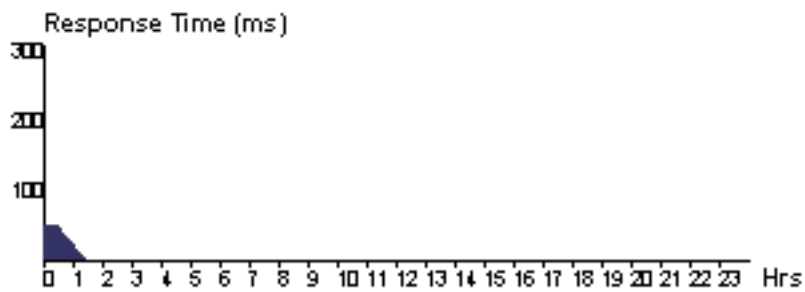


UB2

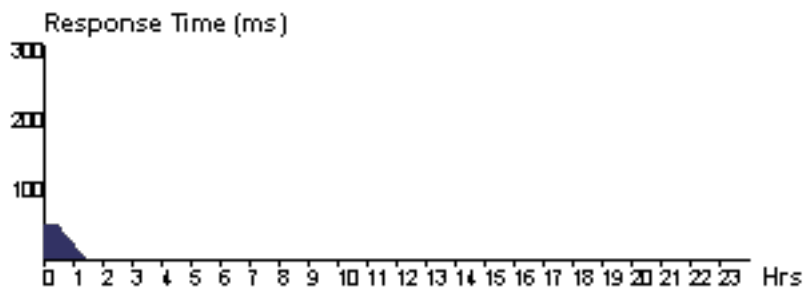
UB20



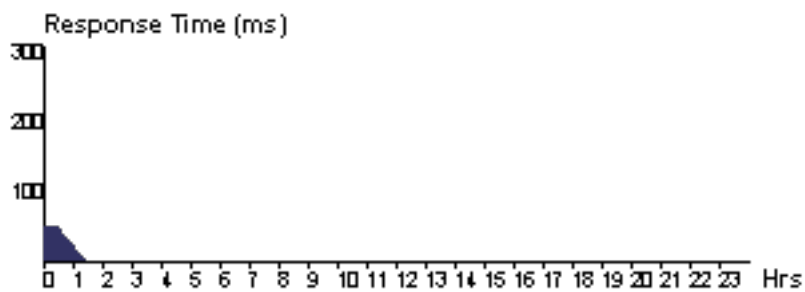
UB21



UB22

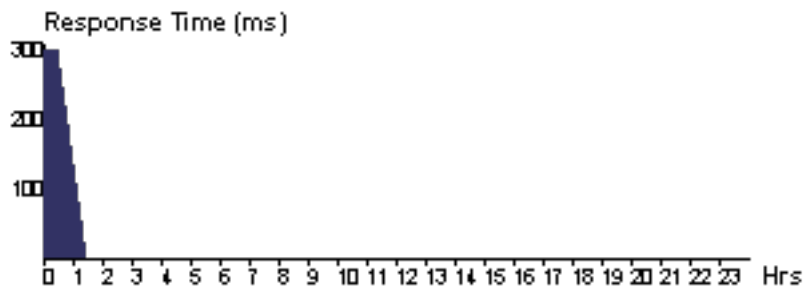
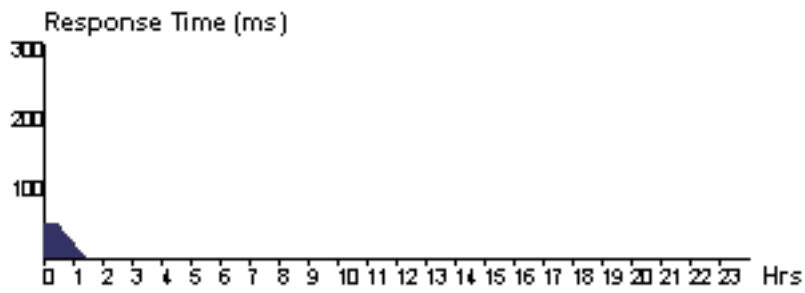


UB23

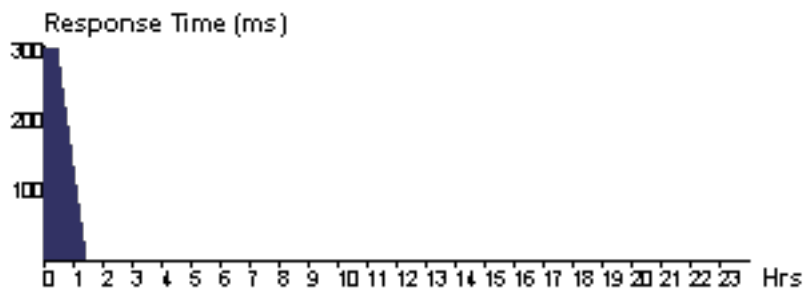


UB24

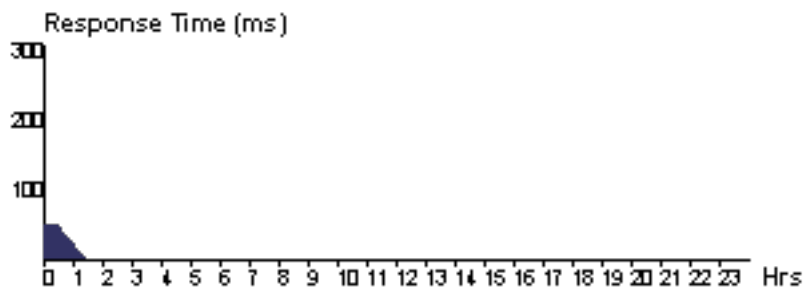
UB25



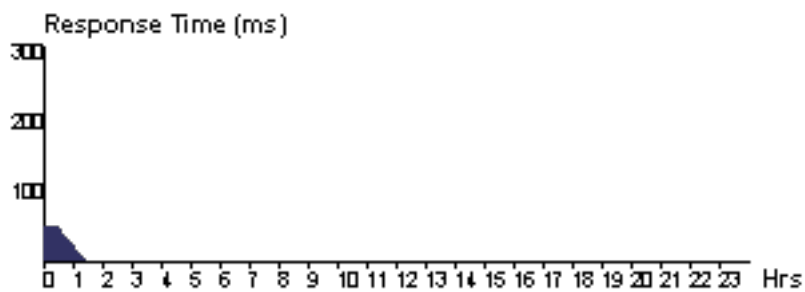
UB26



UB27

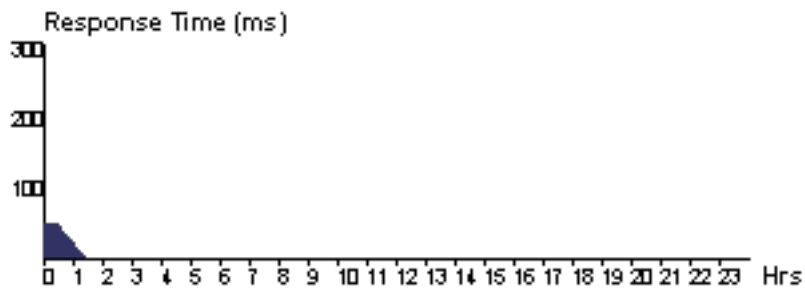
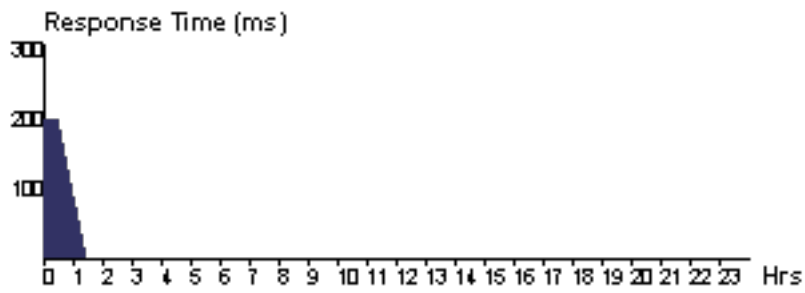


UB28

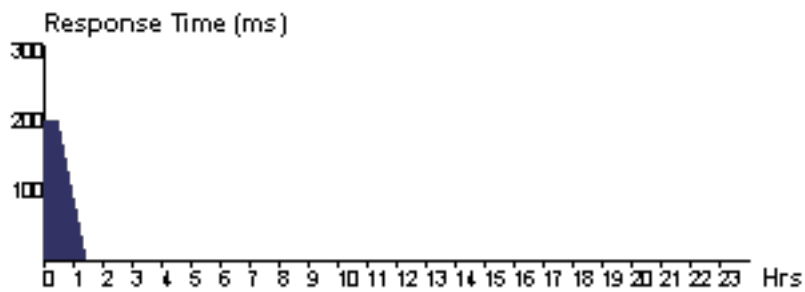


UB29

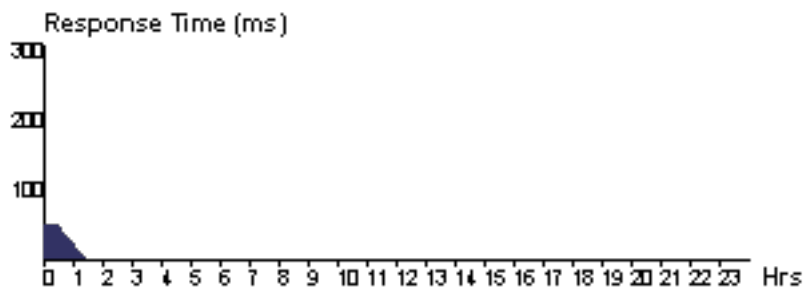
UB3



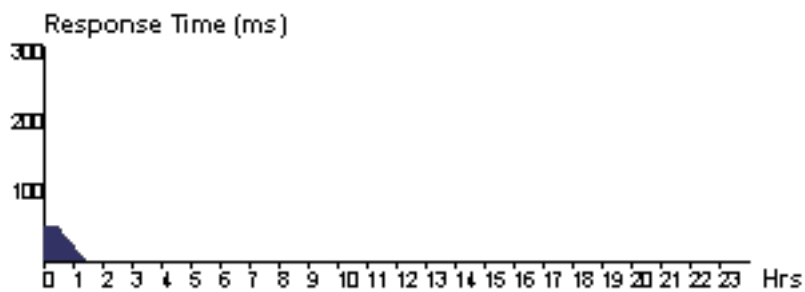
UB30



UB31

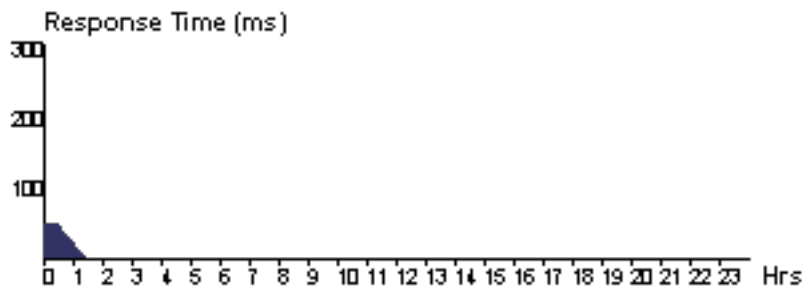
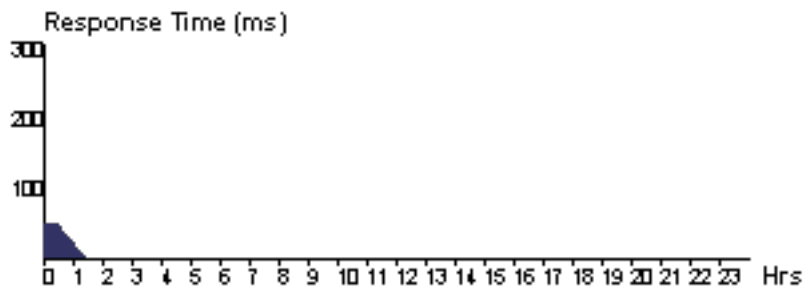


UB32

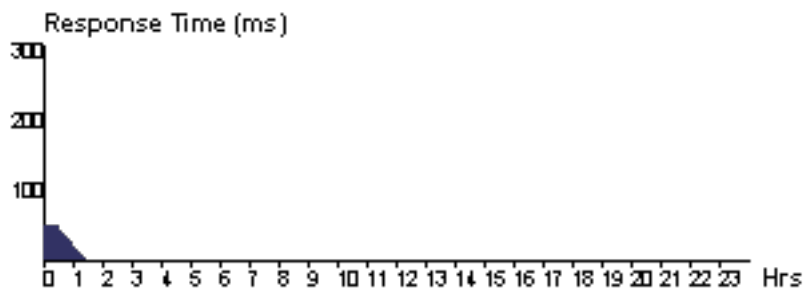


UB33

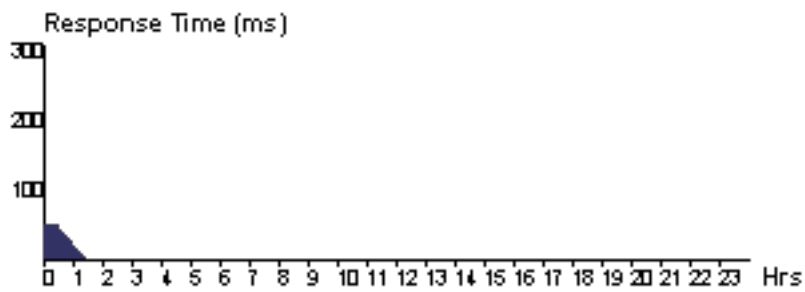
UB34



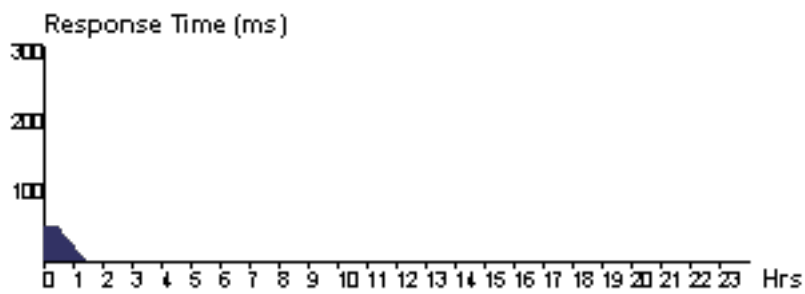
UB35



UB36

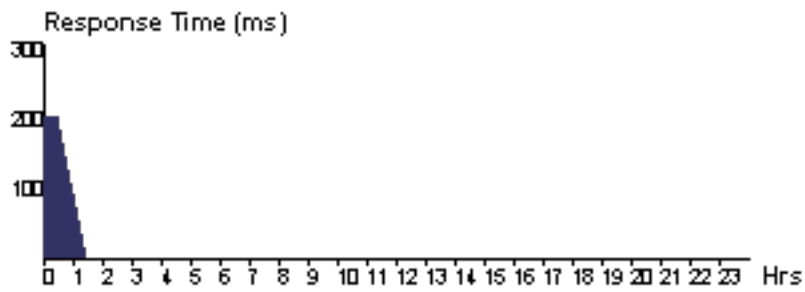
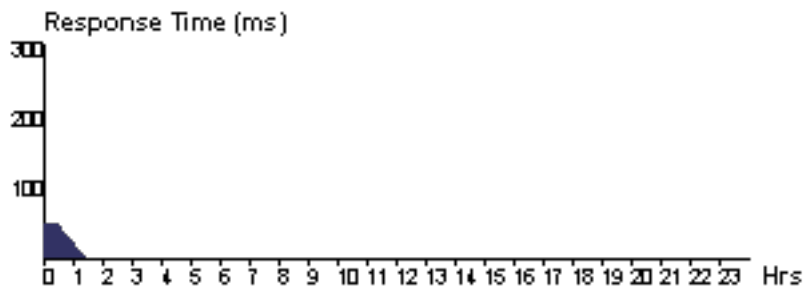


UB37

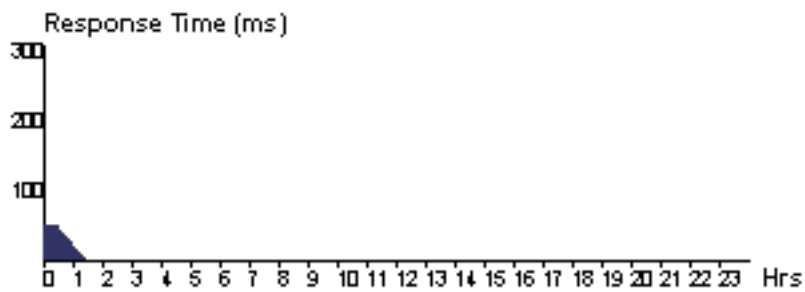


UB38

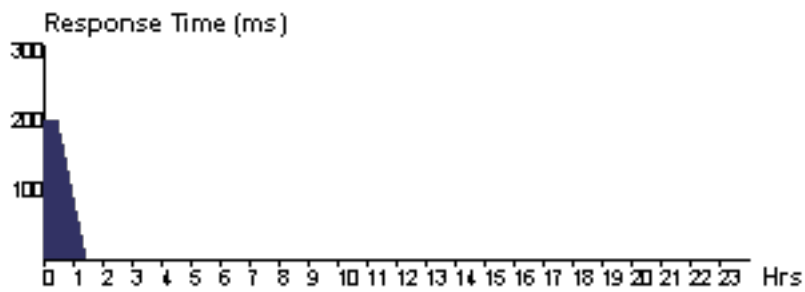
UB39



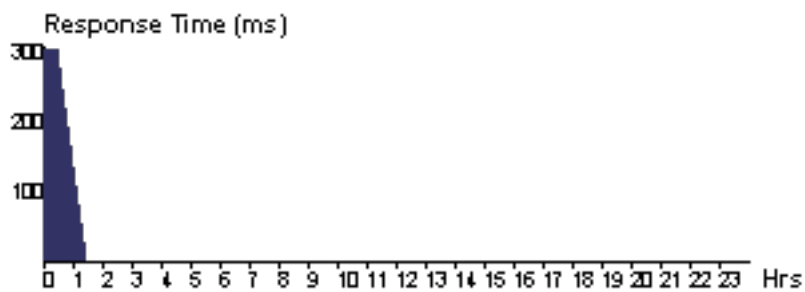
UB4



UB40

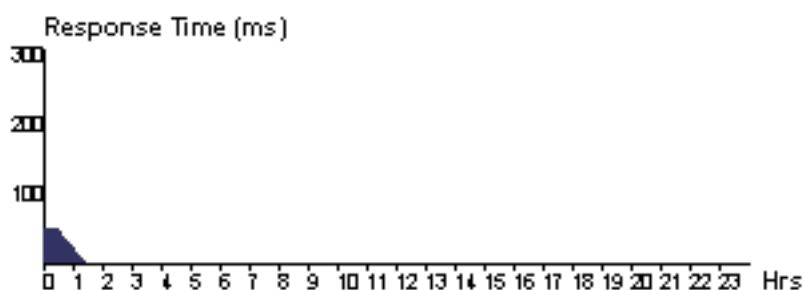
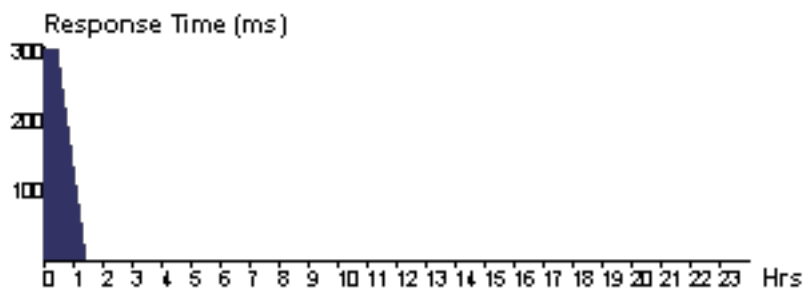


UB41

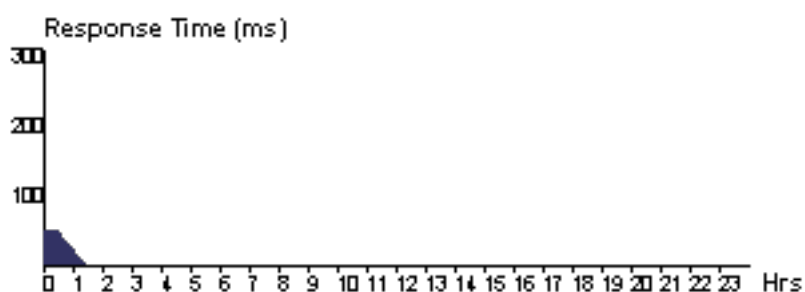


UB42

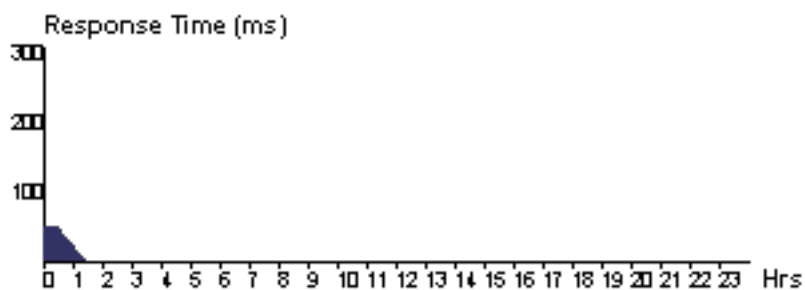
UB43



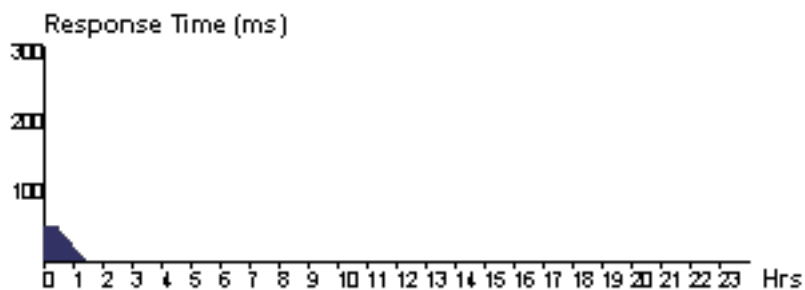
UB44



UB45

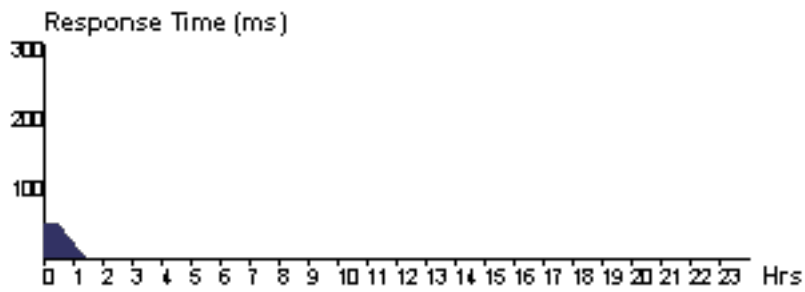
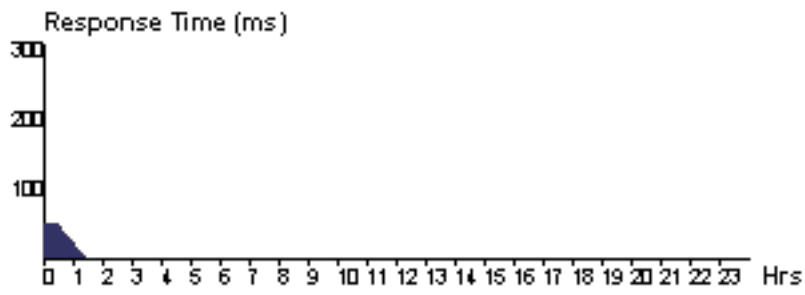


UB46

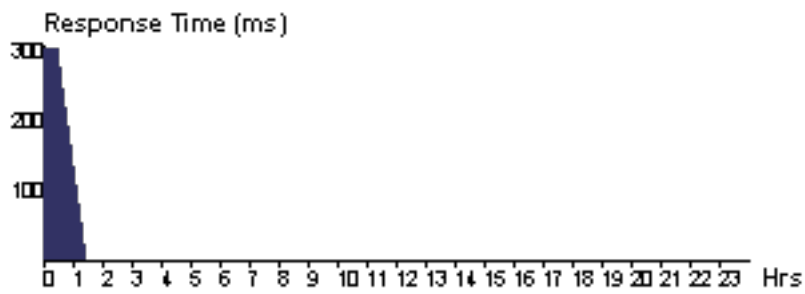


UB47

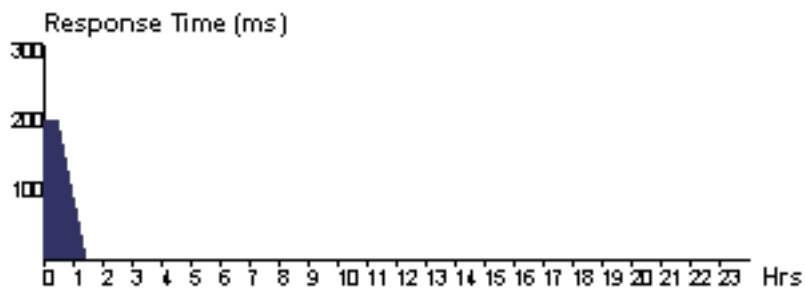
UB48



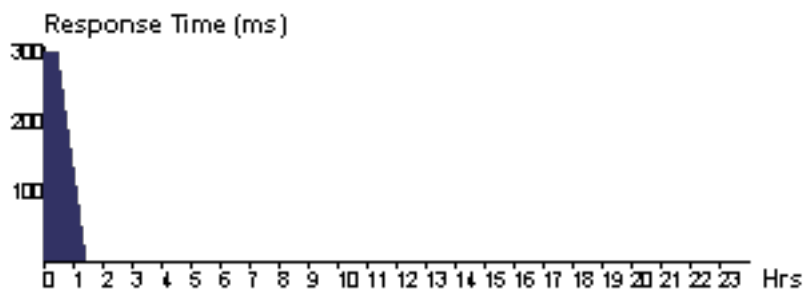
UB49



UB5

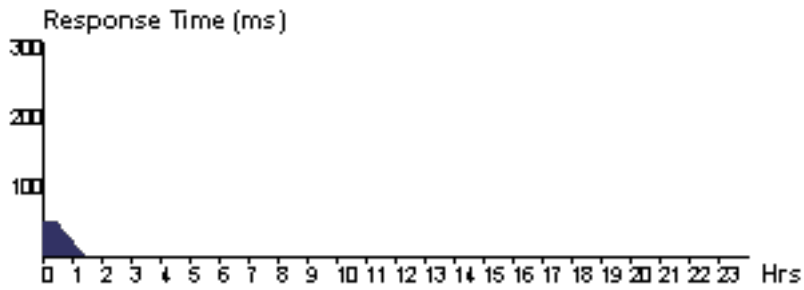
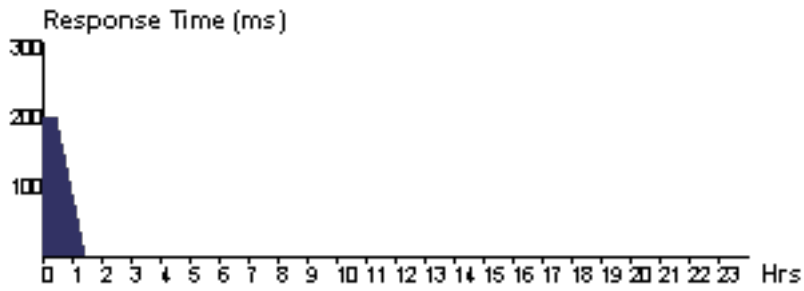


UB50

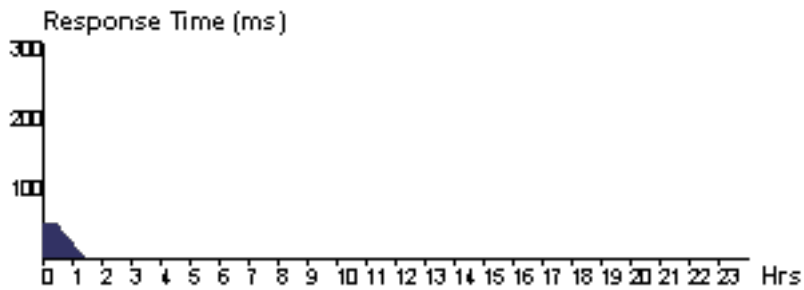


UB6

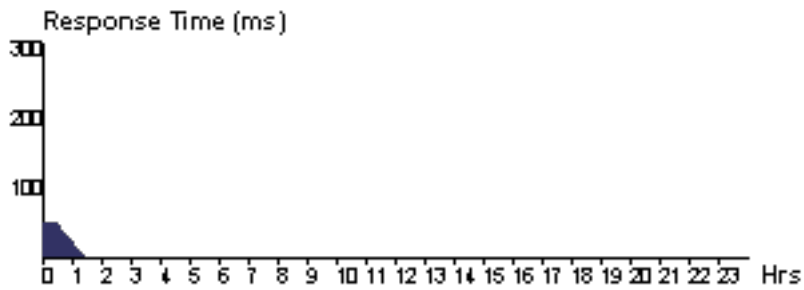
UB7



UB8



UB9

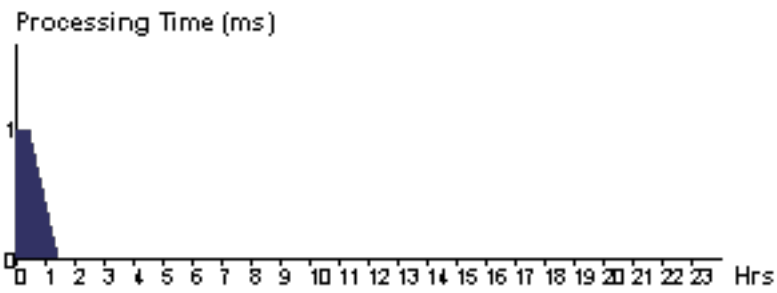


Data Center Request Servicing Times

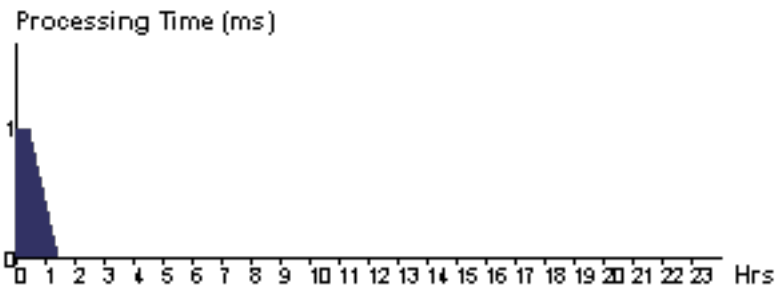
Data Center	Avg (ms)	Min (ms)	Max (ms)
DC1	1.49	0.02	3.60
DC2	1.64	0.02	3.07
DC3	1.66	0.02	4.01
DC4	1.66	0.04	3.00

Data Center Hourly Average Processing Times

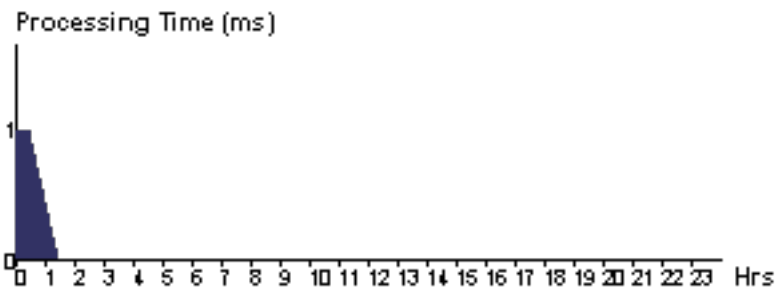
DC1



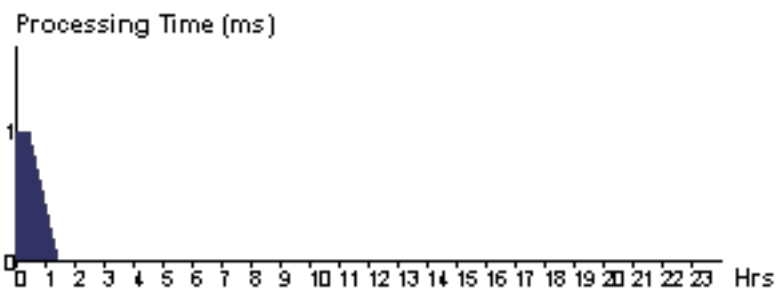
DC2



DC3

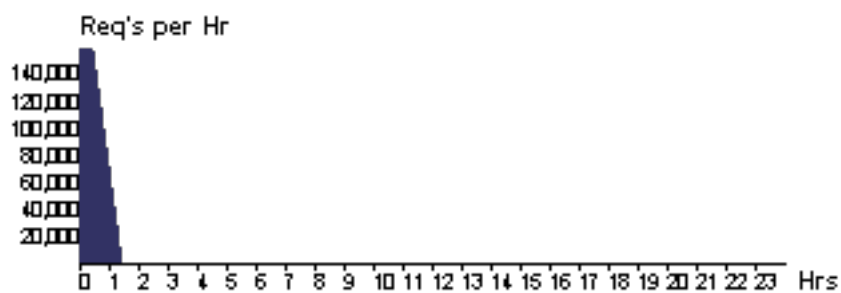


DC4

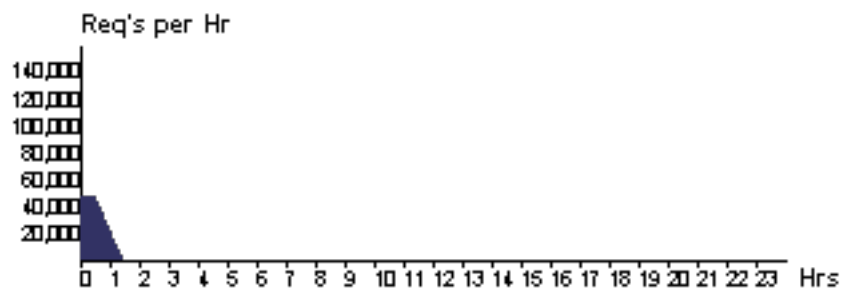


Data Center Hourly Loading

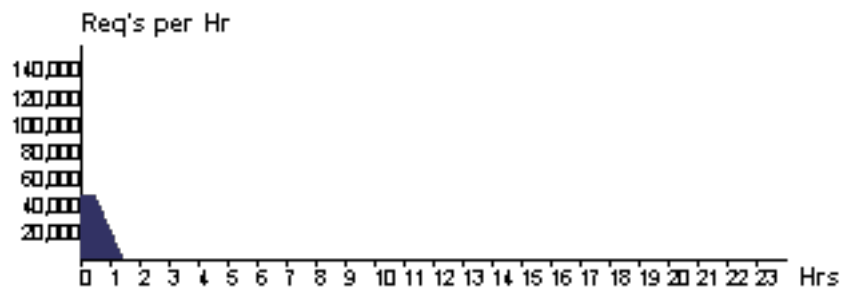
DC1



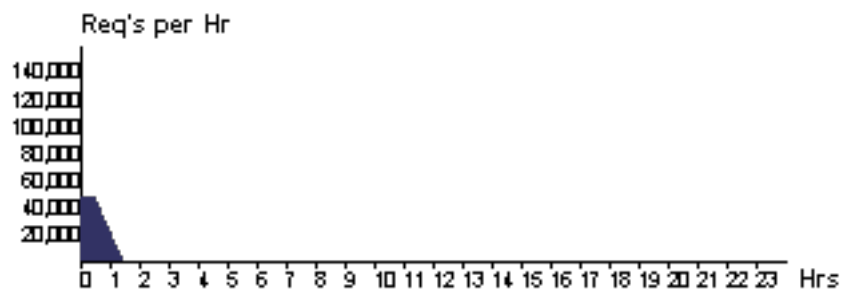
DC2



DC3



DC4

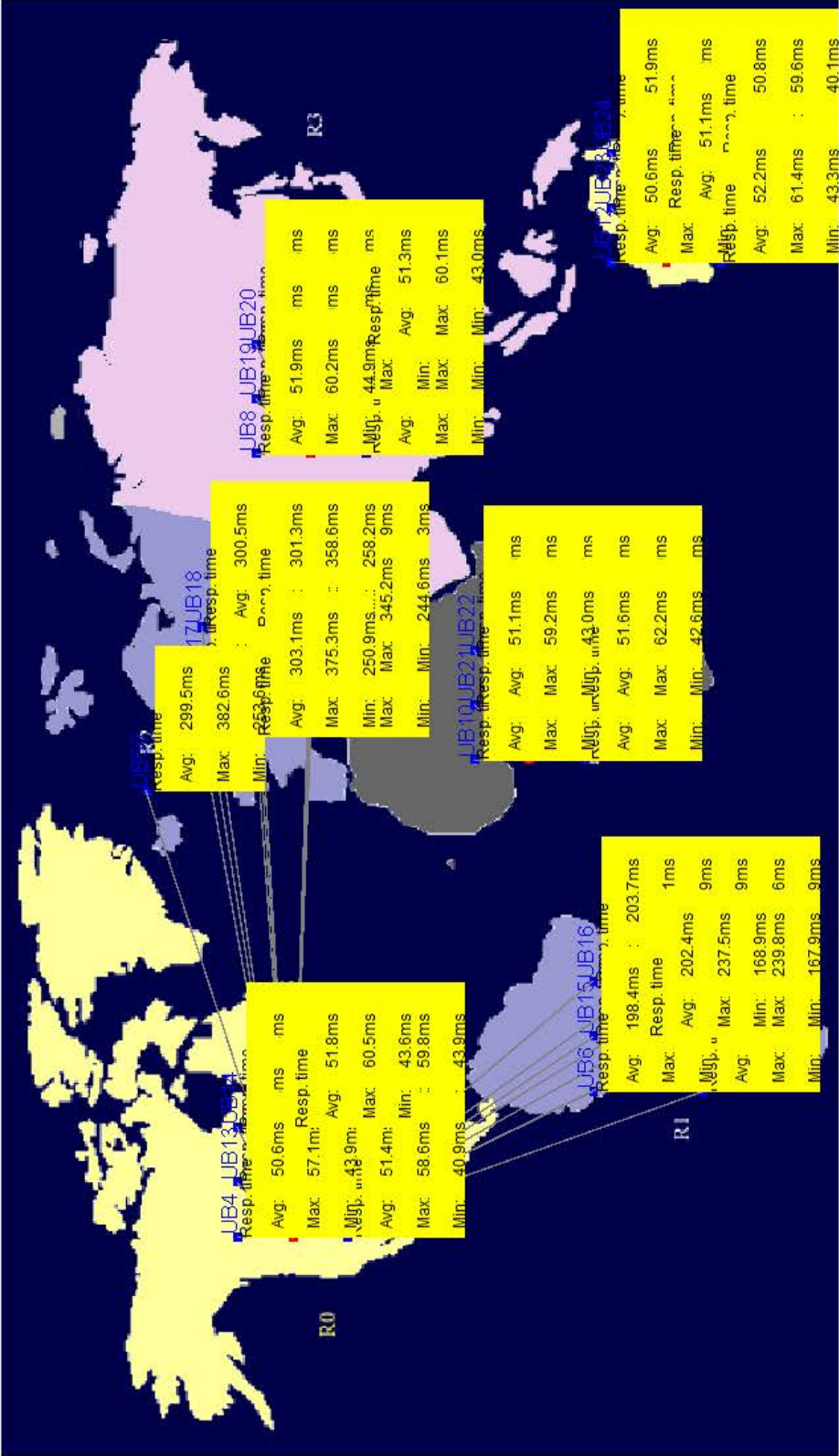


Cost

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	0.47	0.97
DC1	0.50	1.53	2.03
DC4	0.50	0.47	0.97
DC3	0.50	0.47	0.97

Simulation Complete



Results of the Simulation Completed at: 23/01/2023 12:39:02

Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	125.32	39.83	382.63
Data Center processing time:	1.57	0.02	2.78

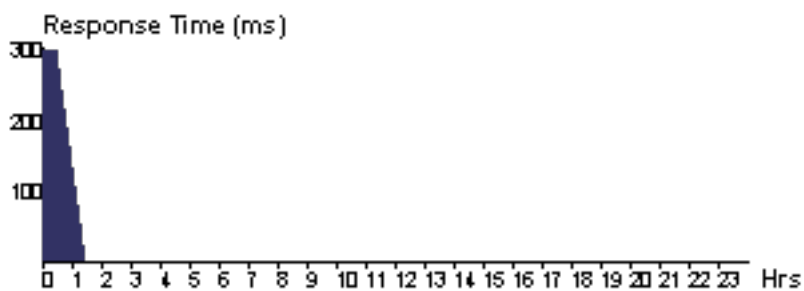
Response Time by Region

Userbase	Avg (ms)	Min (ms)	Max (ms)
UB10	51.10	41.41	60.09
UB11	50.93	42.77	62.88
UB12	50.76	43.10	60.13
UB13	51.34	42.48	61.89
UB14	51.29	41.09	61.10
UB15	198.60	171.89	236.90
UB16	203.33	161.90	243.12
UB17	298.99	250.89	348.42
UB18	299.79	253.86	363.49
UB19	51.72	44.36	59.89
UB1	301.77	258.39	349.82
UB20	51.23	42.05	59.89
UB21	51.32	43.42	59.16
UB22	51.40	44.07	61.79
UB23	51.48	40.89	61.14
UB24	51.60	39.83	59.88
UB25	301.00	259.76	358.63
UB26	302.46	258.06	342.40
UB27	51.38	42.28	60.50
UB28	51.62	43.93	57.98
UB29	200.79	171.03	223.19
UB2	303.04	229.84	346.89
UB30	201.66	156.89	231.90
UB31	51.40	41.38	60.85
UB32	51.40	44.49	60.14
UB33	51.54	42.97	60.05

UB34	50.87	42.58	58.30
UB35	51.22	42.62	63.23
UB36	50.81	40.09	59.63
UB37	51.23	41.35	60.64
UB38	51.67	40.89	59.50
UB39	202.00	167.91	239.77
UB3	51.59	43.88	59.13
UB40	200.10	166.11	229.88
UB41	301.04	244.58	345.17
UB42	301.48	252.16	361.90
UB43	51.23	44.05	59.85
UB44	51.32	43.34	59.64
UB45	51.69	42.55	61.17
UB46	50.93	42.66	60.91
UB47	51.25	45.43	58.85
UB48	52.30	43.35	61.39
UB49	302.74	250.90	375.32
UB4	50.55	43.85	59.64
UB50	300.84	261.07	382.63
UB5	201.97	168.88	235.90
UB6	198.59	164.28	262.76
UB7	51.39	43.36	61.45
UB8	51.36	43.64	59.64
UB9	51.33	40.59	60.18

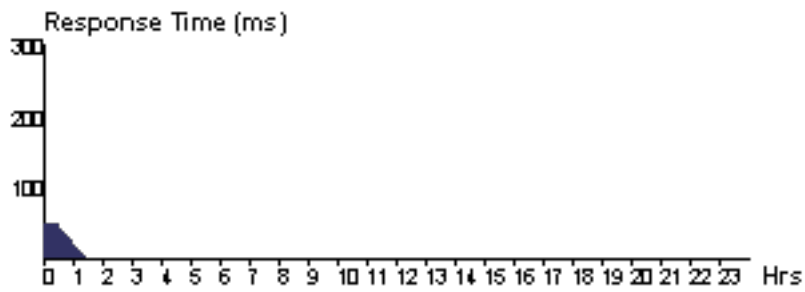
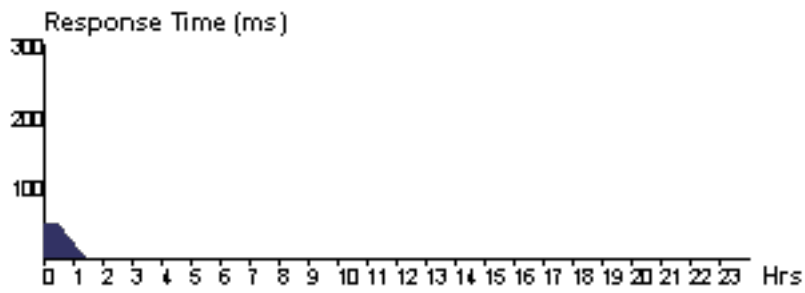
User Base Hourly Response Times

UB1

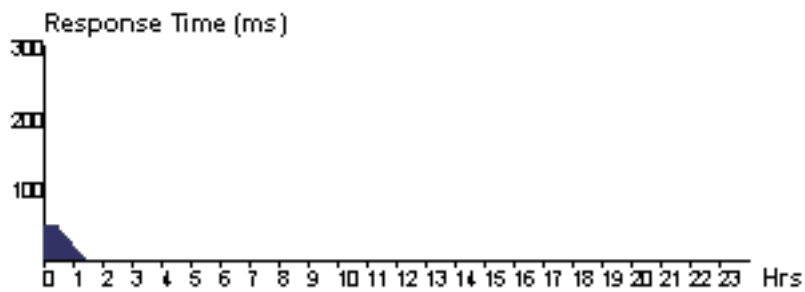


UB10

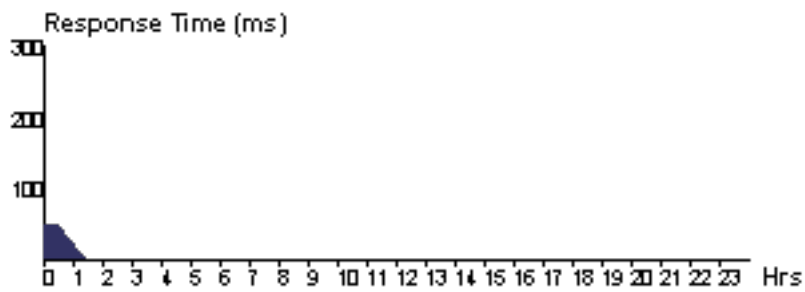
UB11



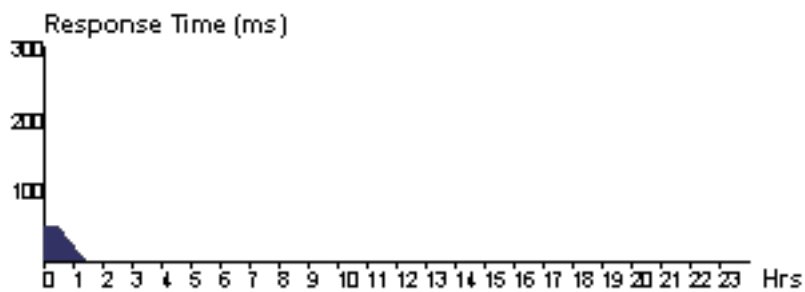
UB12



UB13

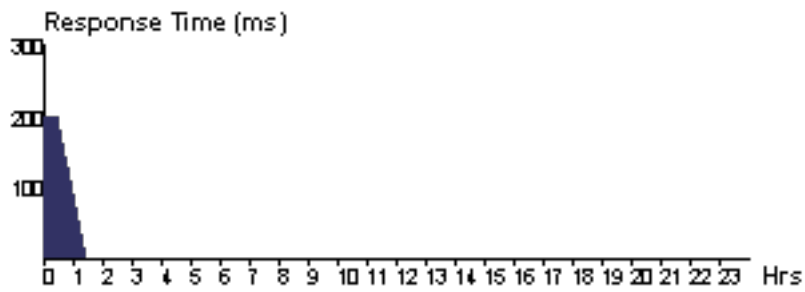
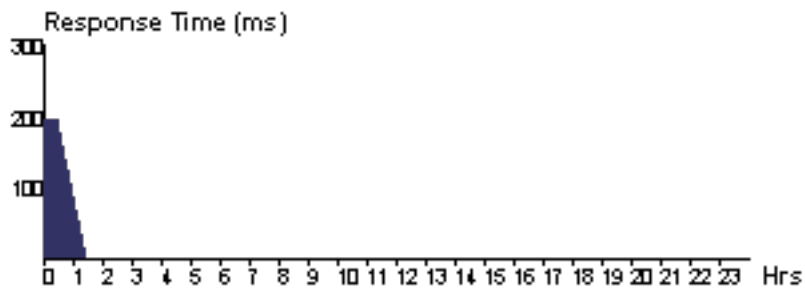


UB14

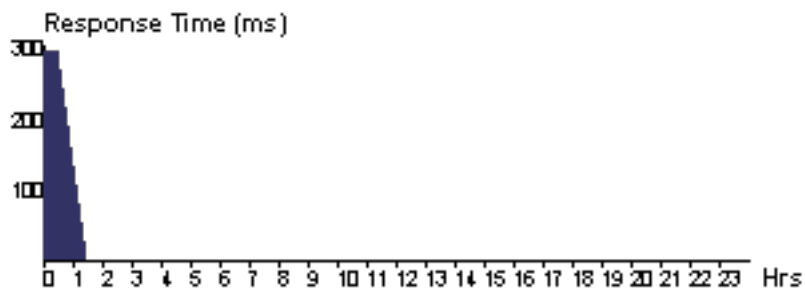


UB15

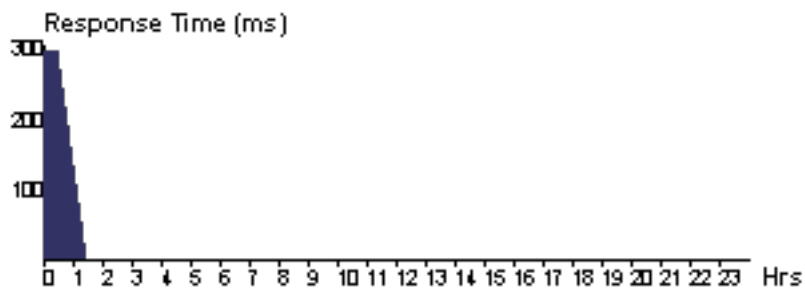
UB16



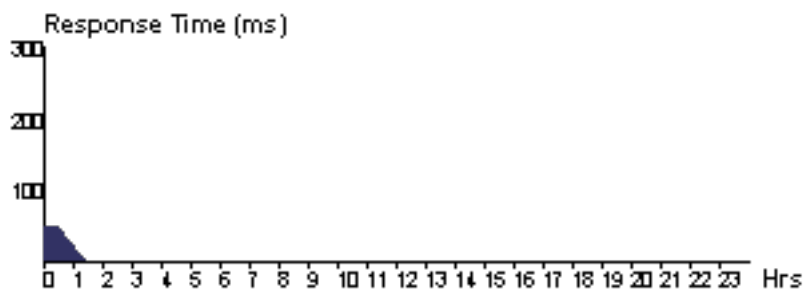
UB17



UB18

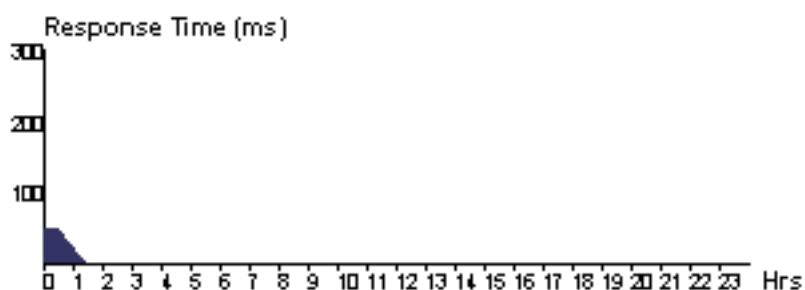
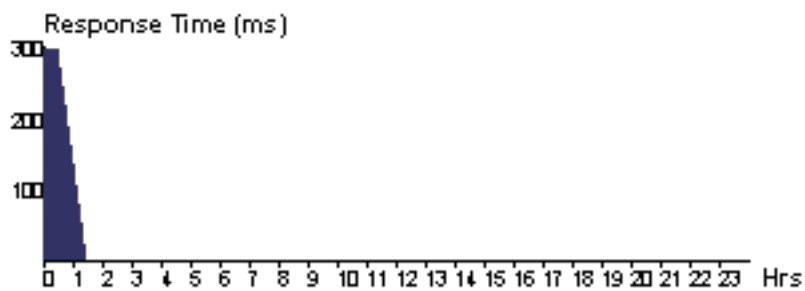


UB19

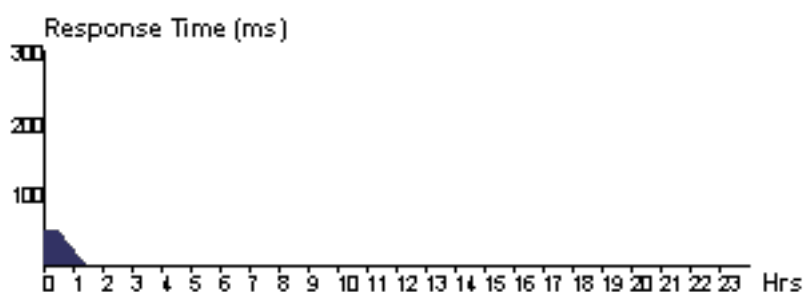


UB2

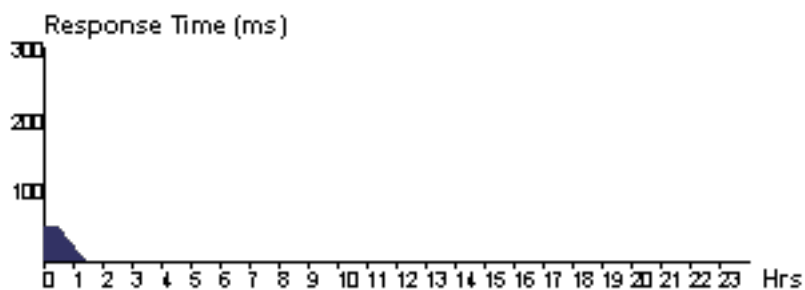
UB20



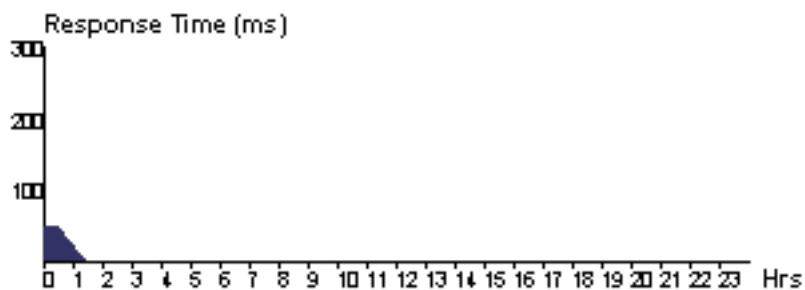
UB21



UB22

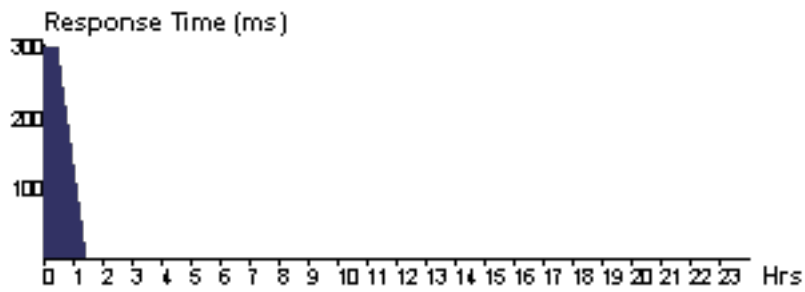
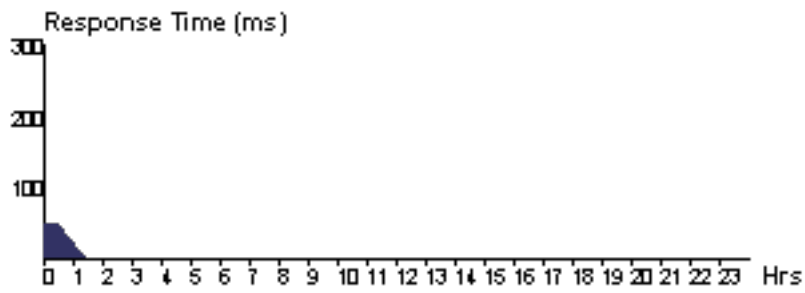


UB23

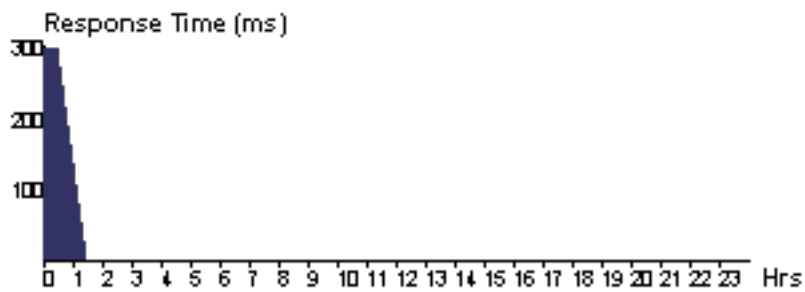


UB24

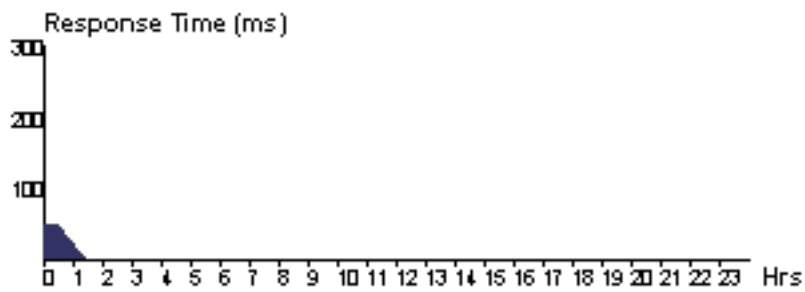
UB25



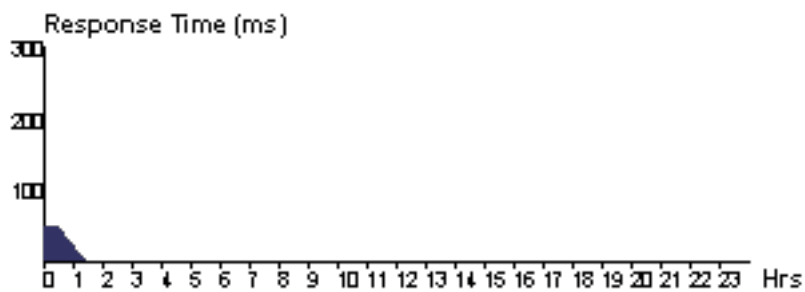
UB26



UB27

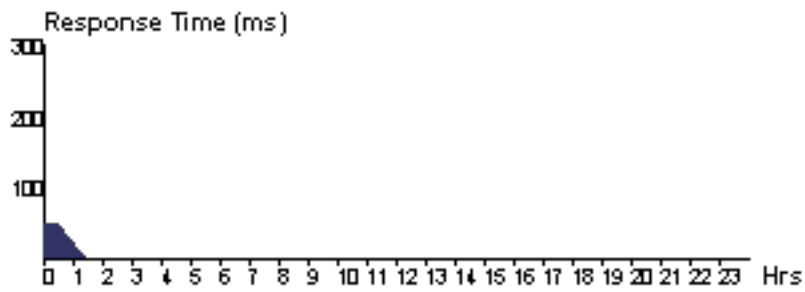
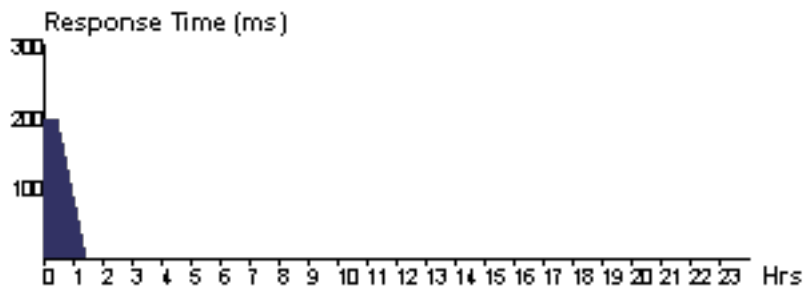


UB28

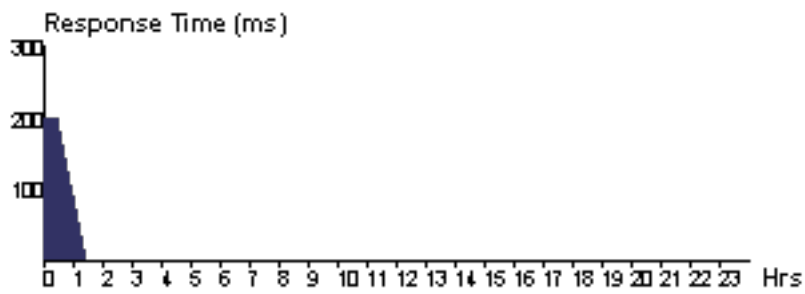


UB29

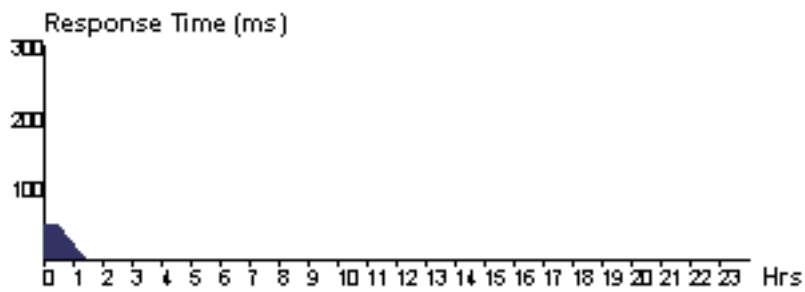
UB3



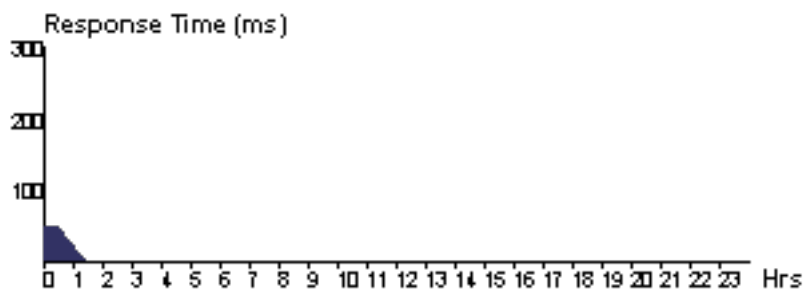
UB30



UB31

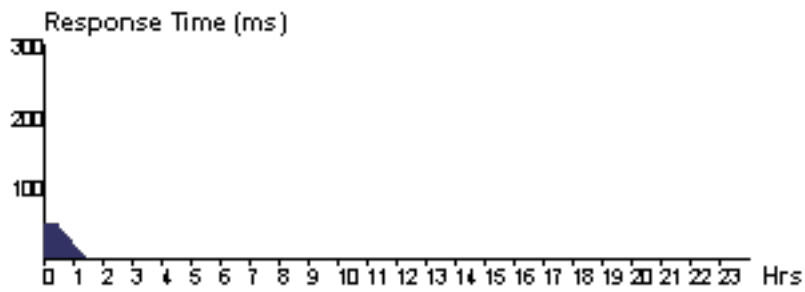
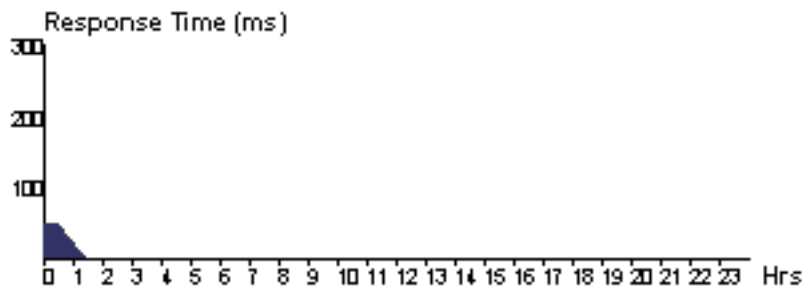


UB32

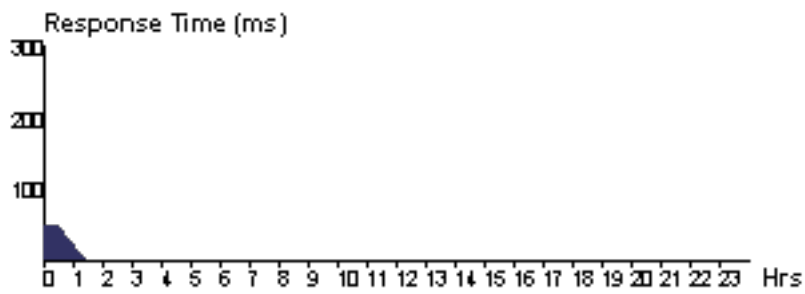


UB33

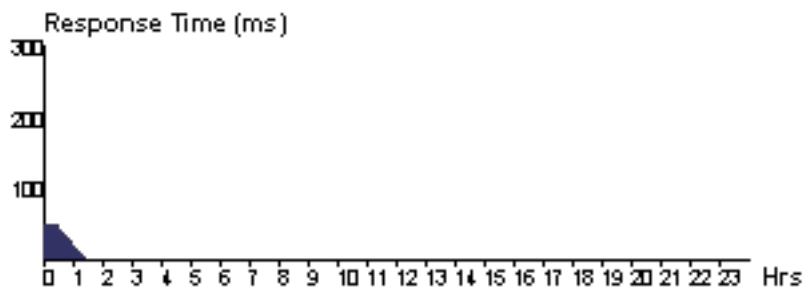
UB34



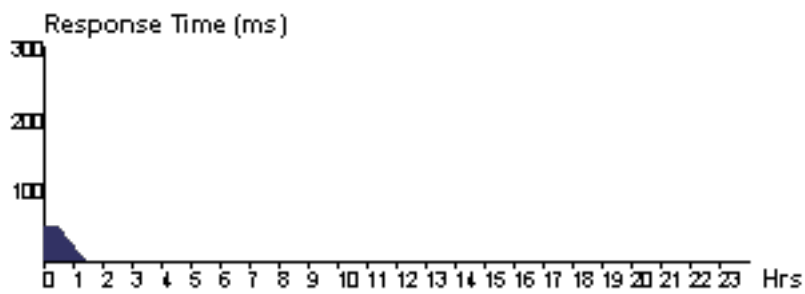
UB35



UB36

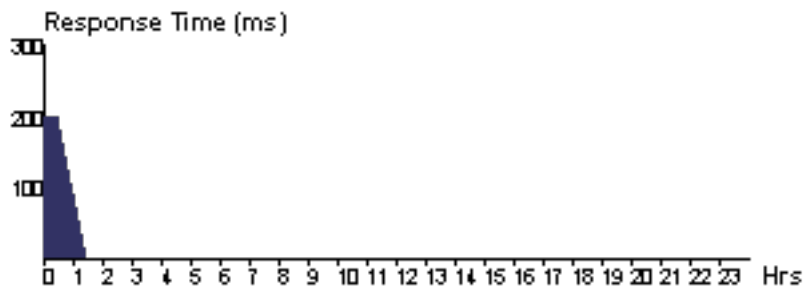
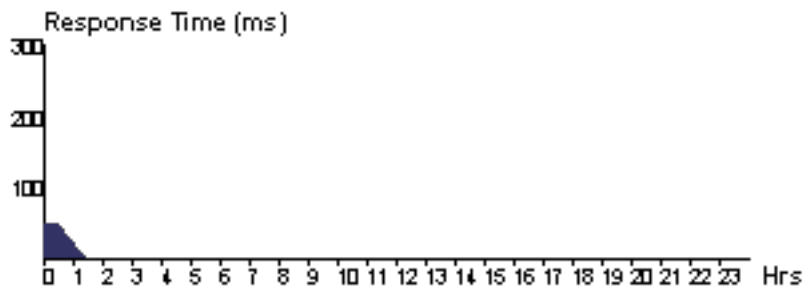


UB37

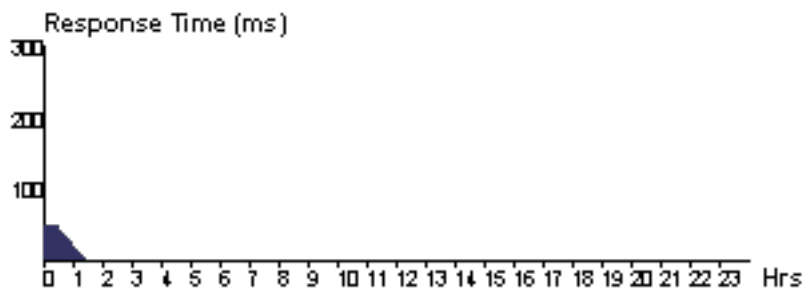


UB38

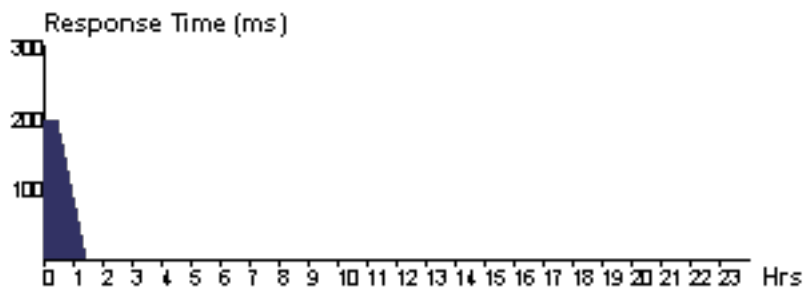
UB39



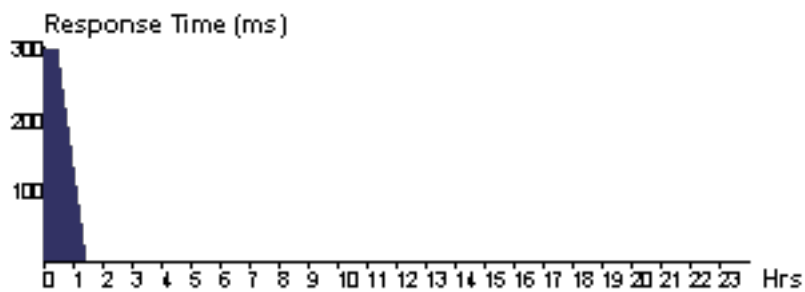
UB4



UB40

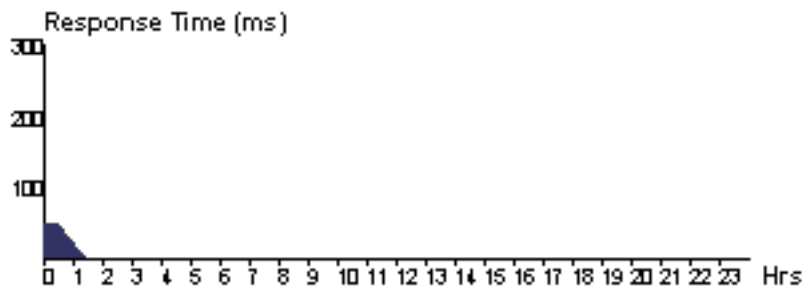
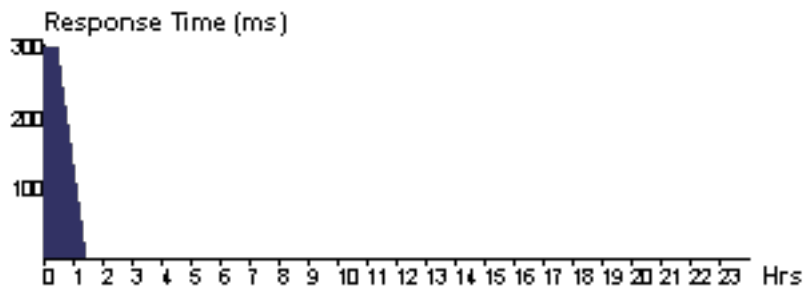


UB41

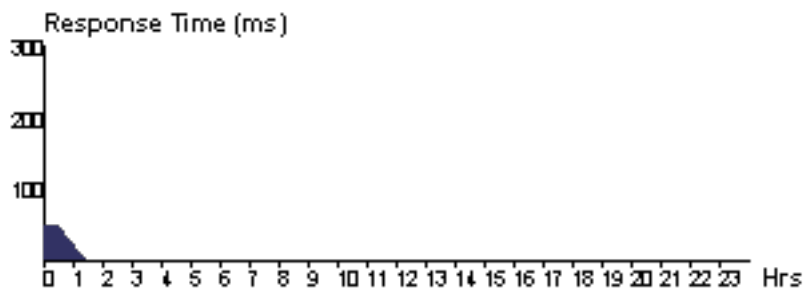


UB42

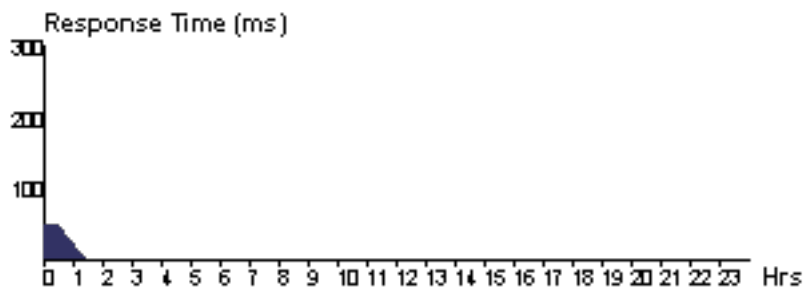
UB43



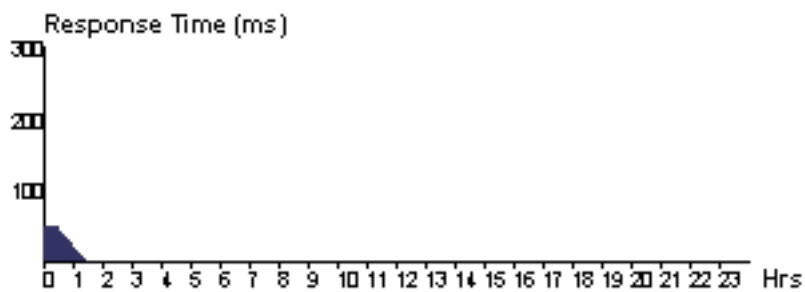
UB44



UB45

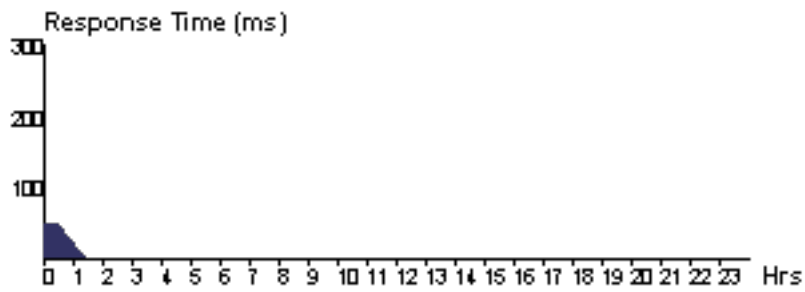
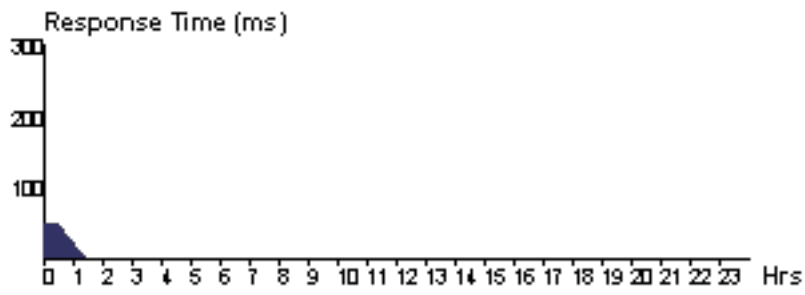


UB46

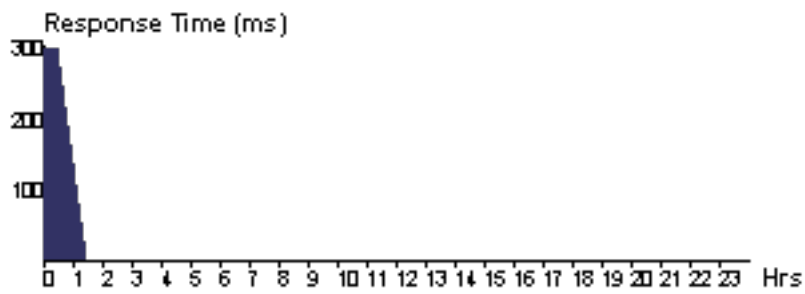


UB47

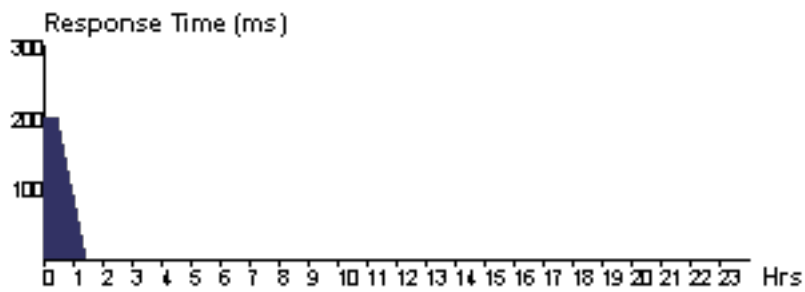
UB48



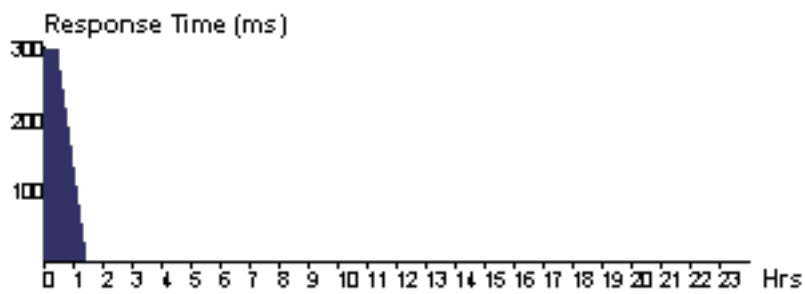
UB49



UB5

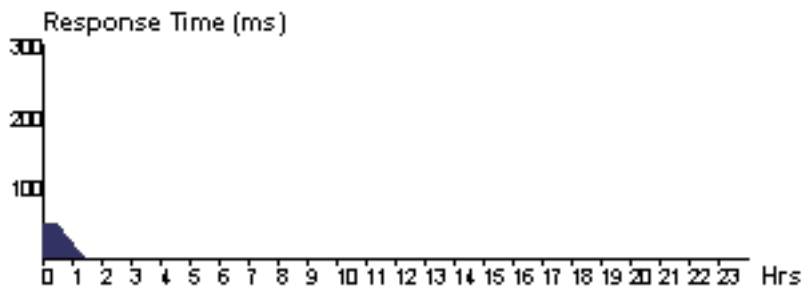
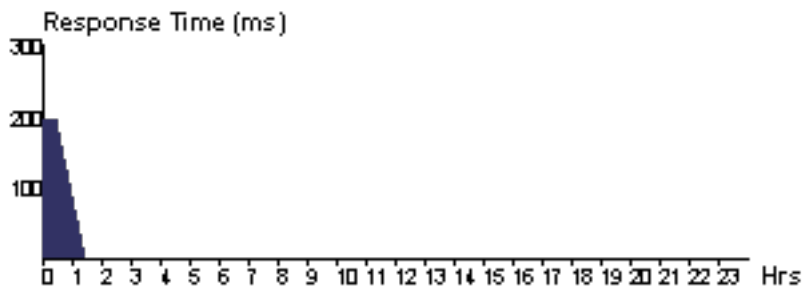


UB50

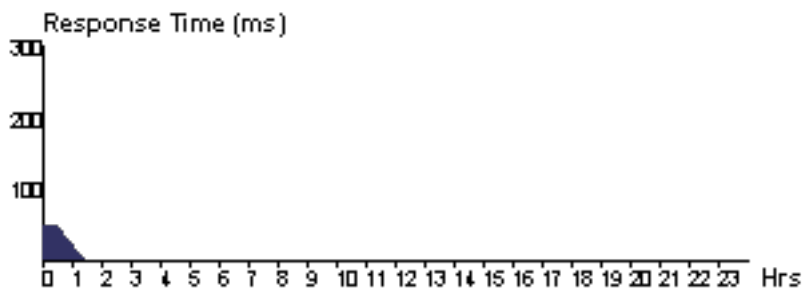


UB6

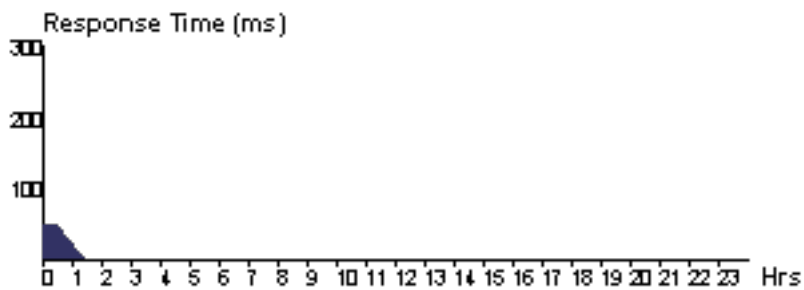
UB7



UB8



UB9

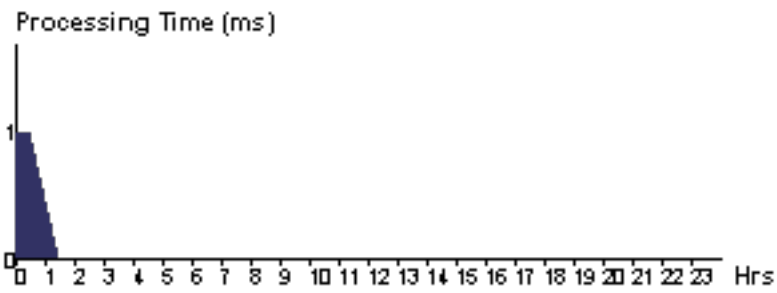


Data Center Request Servicing Times

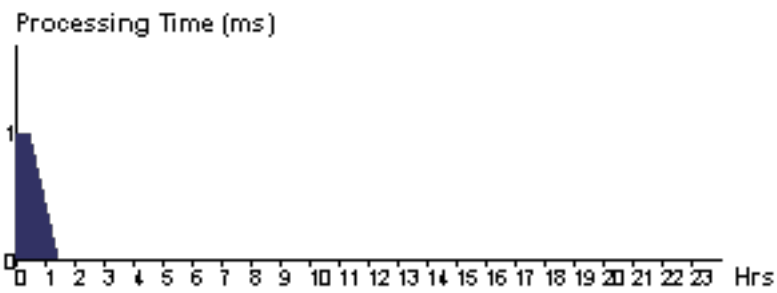
Data Center	Avg (ms)	Min (ms)	Max (ms)
DC1	1.49	0.02	2.66
DC2	1.65	0.02	2.64
DC3	1.65	0.02	2.64
DC4	1.67	0.04	2.78

Data Center Hourly Average Processing Times

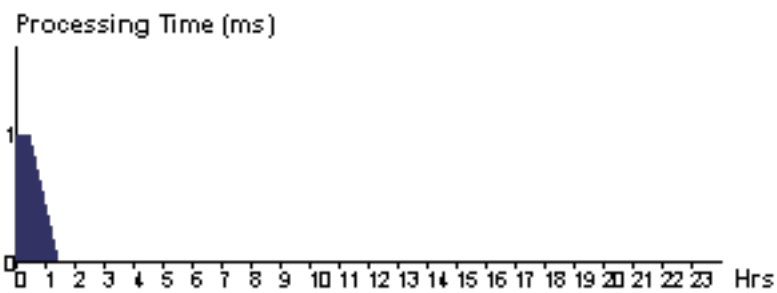
DC1



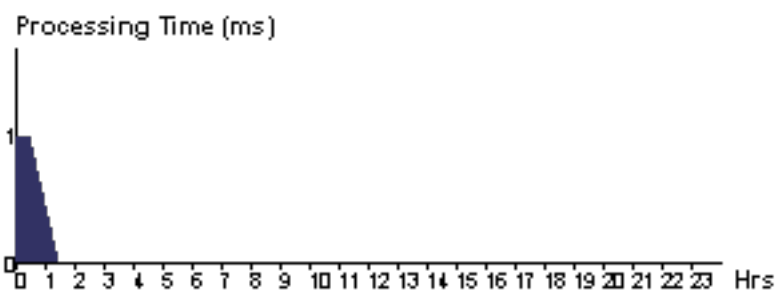
DC2



DC3

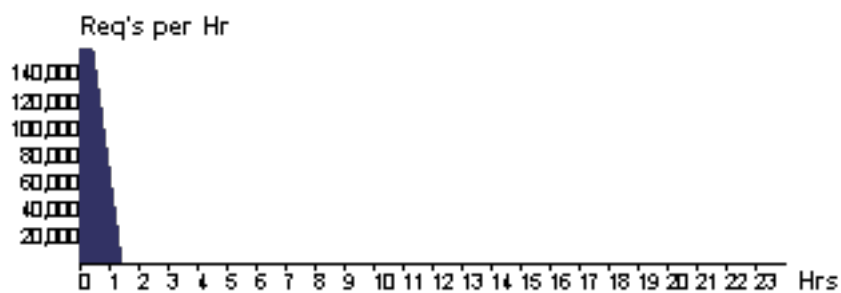


DC4

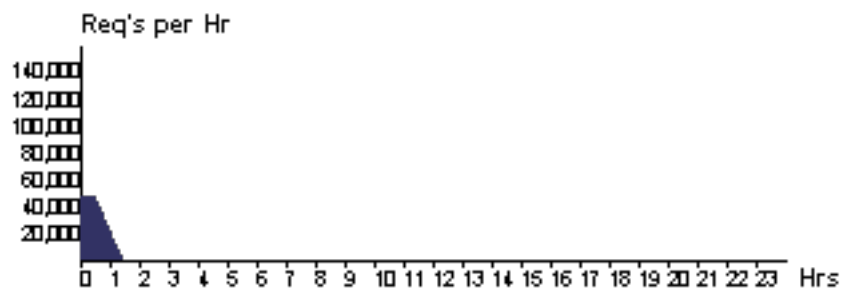


Data Center Hourly Loading

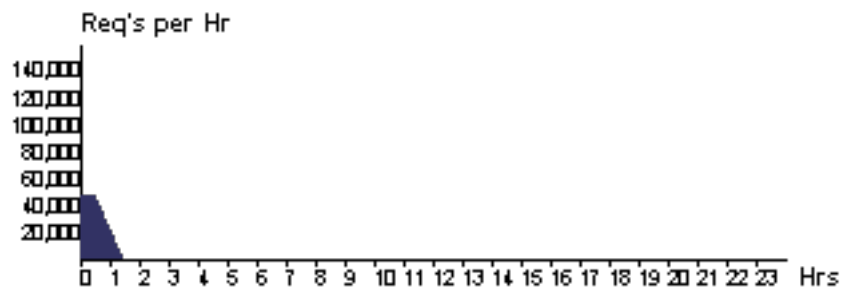
DC1



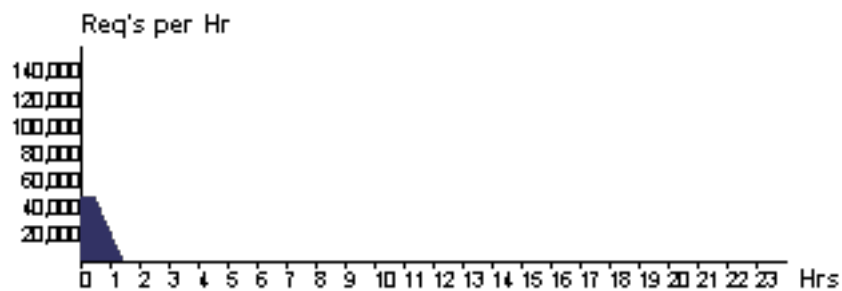
DC2



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	0.47	0.97
DC1	0.50	1.53	2.03
DC4	0.50	0.47	0.97
DC3	0.50	0.47	0.97

Simulation Complete



Results of the Simulation Completed at: 23/01/2023 12:41:40

Overall Response Time Summary

	Avg (ms)	Min (ms)	Max (ms)
Overall response time:	125.33	39.25	382.63
Data Center processing time:	1.57	0.02	2.67

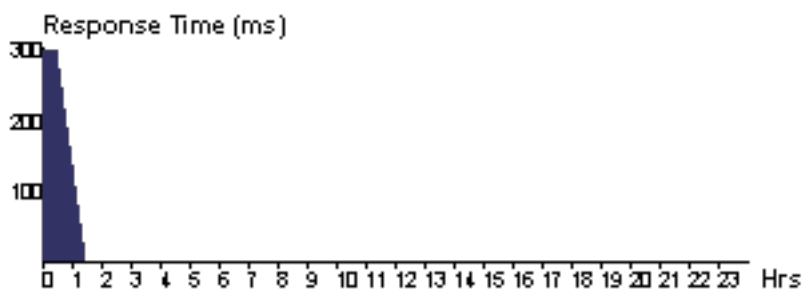
Response Time by Region

Userbase	Avg (ms)	Min (ms)	Max (ms)
UB10	50.88	41.40	60.09
UB11	50.97	42.77	62.88
UB12	50.82	43.10	60.13
UB13	51.21	40.80	61.89
UB14	51.40	41.09	61.10
UB15	199.47	171.87	236.90
UB16	204.18	161.90	243.12
UB17	300.32	250.89	355.90
UB18	299.00	261.23	363.49
UB19	51.85	44.36	59.89
UB1	302.92	261.25	349.82
UB20	51.35	42.05	59.89
UB21	50.94	43.04	59.96
UB22	51.38	44.07	61.79
UB23	51.53	42.33	61.14
UB24	51.75	41.49	59.88
UB25	300.81	259.76	358.63
UB26	301.59	258.06	342.40
UB27	51.19	41.30	60.50
UB28	51.74	44.35	59.62
UB29	201.23	171.03	223.19
UB2	303.35	229.84	346.89
UB30	202.69	156.89	235.55
UB31	51.43	44.07	60.85
UB32	51.20	44.50	60.14
UB33	51.50	43.58	60.05

UB34	51.03	42.58	58.30
UB35	50.98	42.33	63.23
UB36	51.08	40.09	59.63
UB37	51.30	43.88	60.64
UB38	51.85	42.39	58.62
UB39	201.22	167.91	235.88
UB3	51.47	43.88	59.13
UB40	200.26	166.11	229.88
UB41	300.78	244.58	345.17
UB42	300.39	252.16	361.90
UB43	51.10	44.05	58.39
UB44	51.35	43.34	59.64
UB45	51.44	41.41	61.17
UB46	51.04	42.66	60.91
UB47	51.25	45.43	58.85
UB48	51.92	43.35	61.39
UB49	301.24	250.90	375.32
UB4	50.70	39.25	57.08
UB50	300.87	255.39	382.63
UB5	202.61	168.88	237.52
UB6	198.67	164.28	262.76
UB7	51.33	43.36	59.64
UB8	51.47	43.64	59.64
UB9	51.36	40.59	58.42

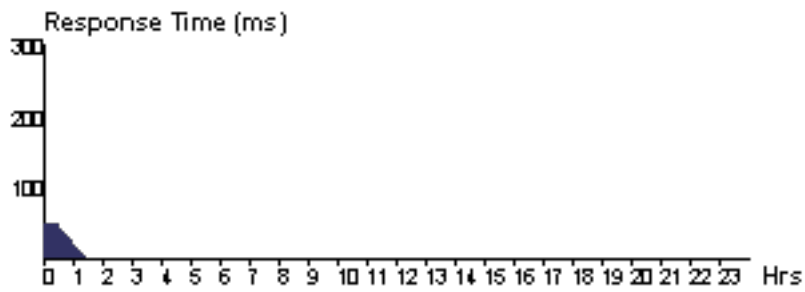
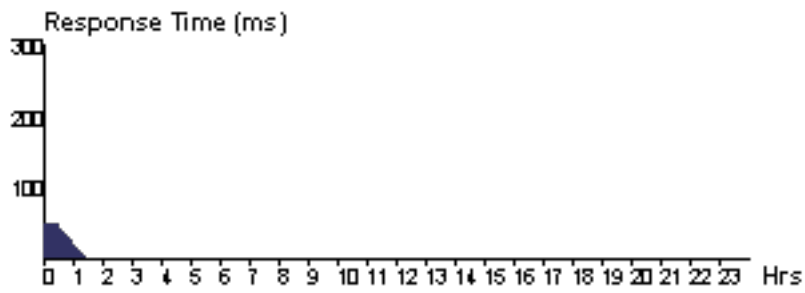
User Base Hourly Response Times

UB1

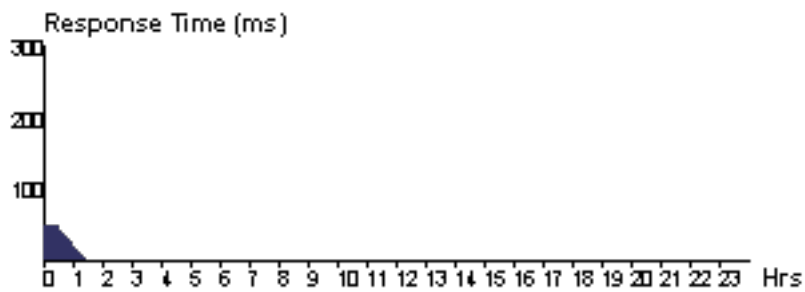


UB10

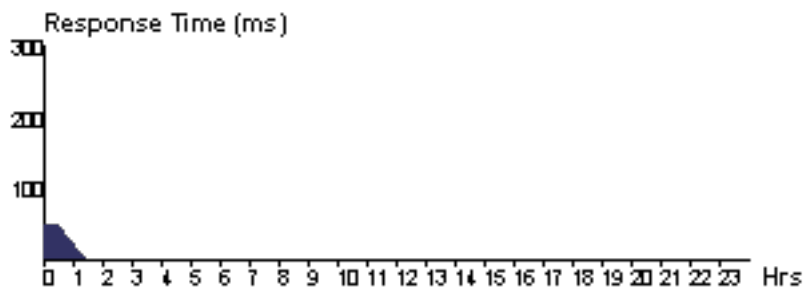
UB11



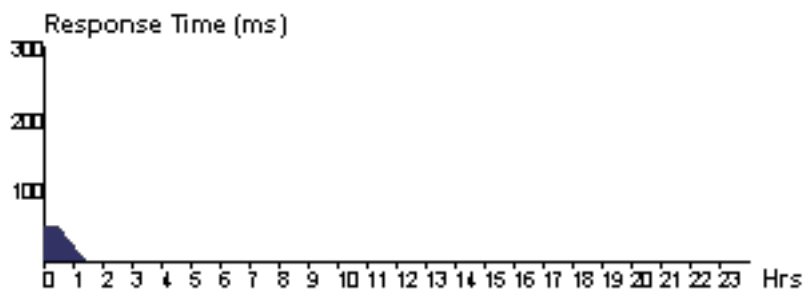
UB12



UB13

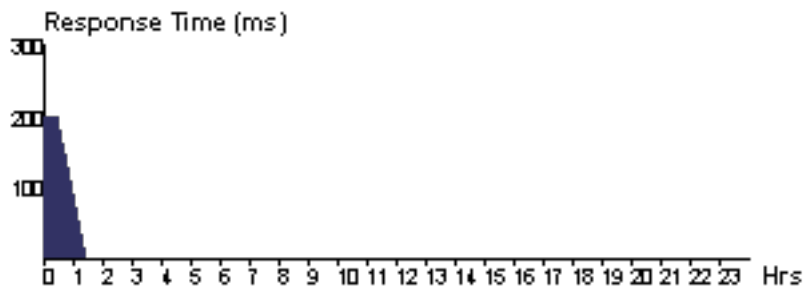
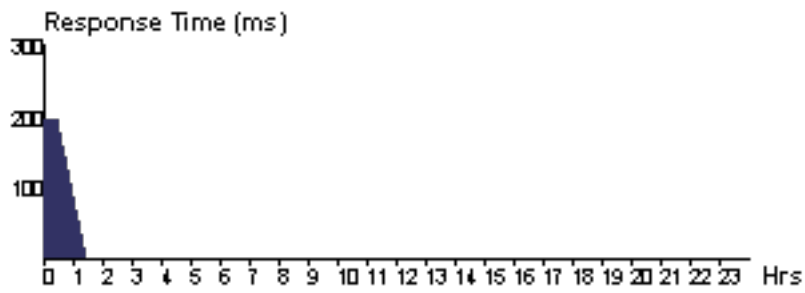


UB14

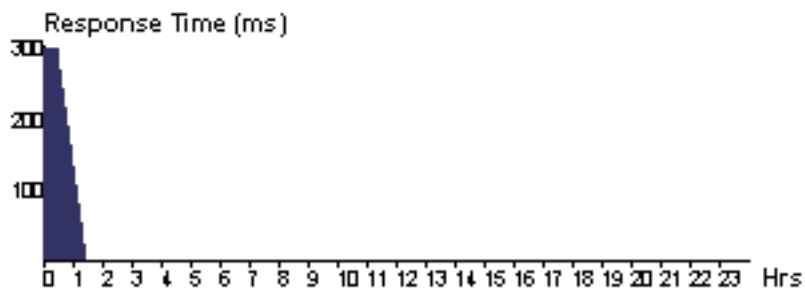


UB15

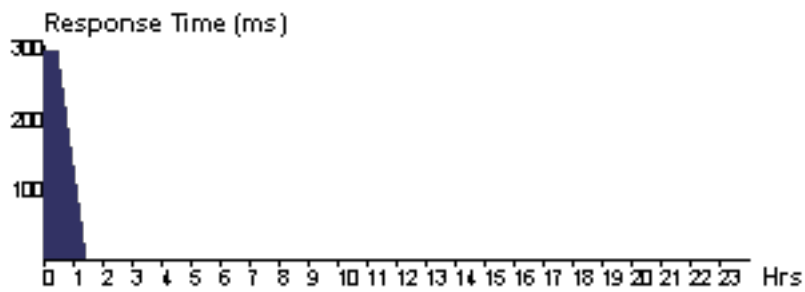
UB16



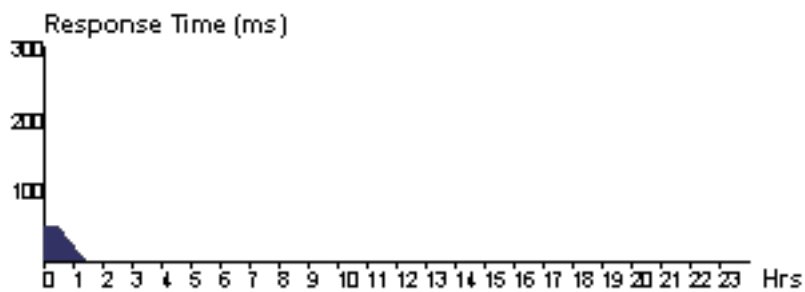
UB17



UB18

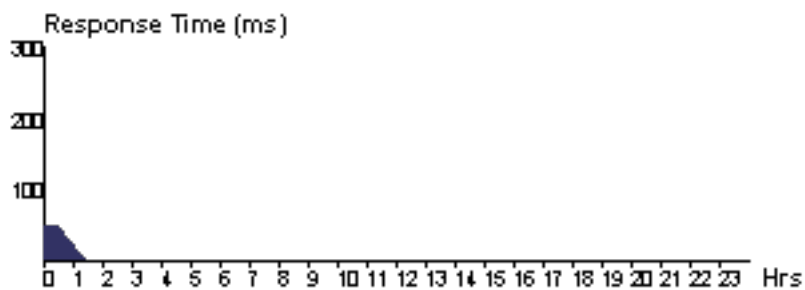
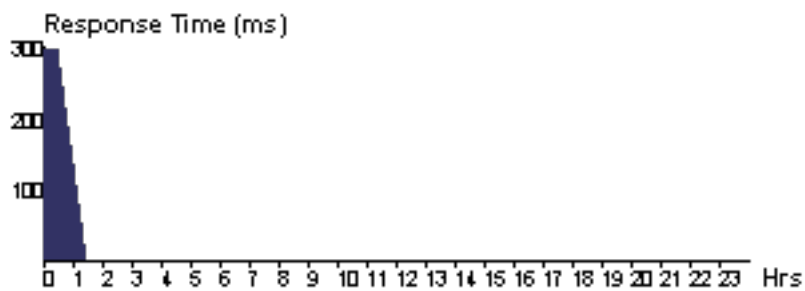


UB19

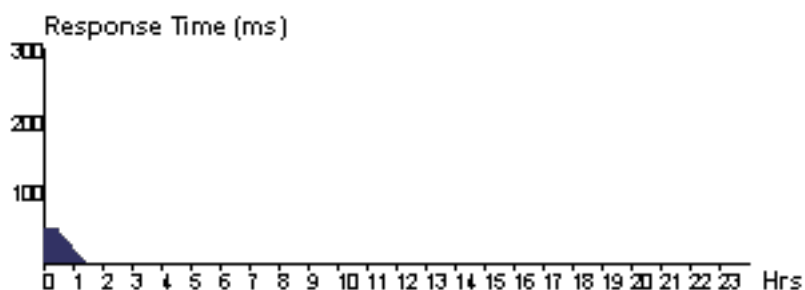


UB2

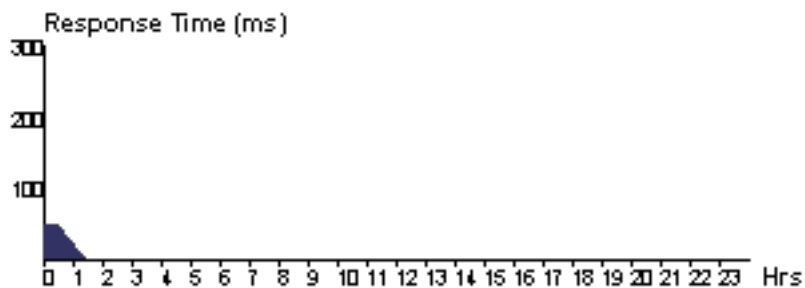
UB20



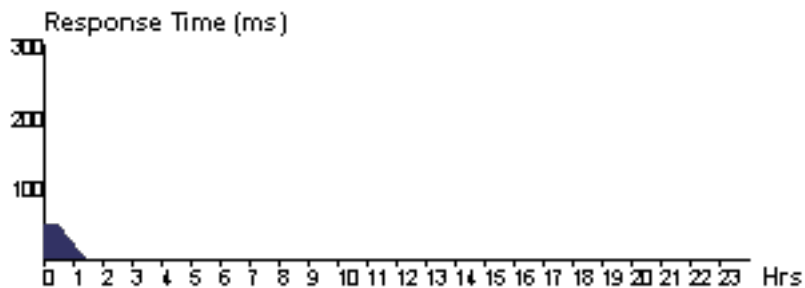
UB21



UB22

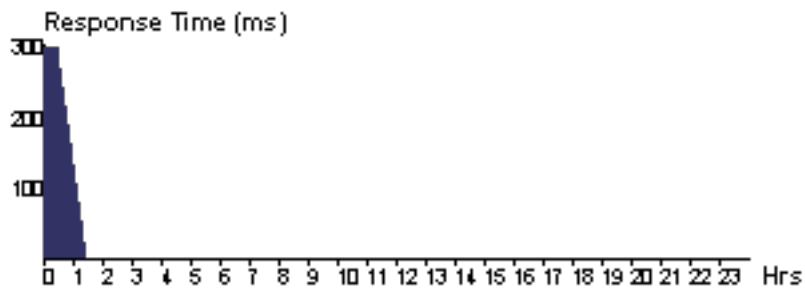
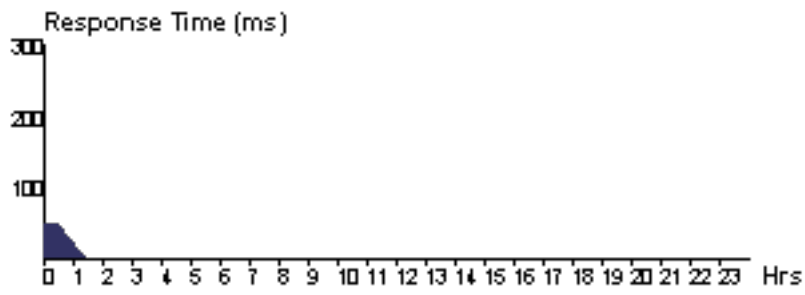


UB23

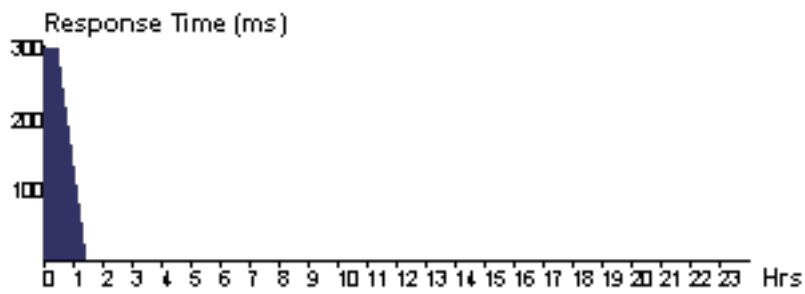


UB24

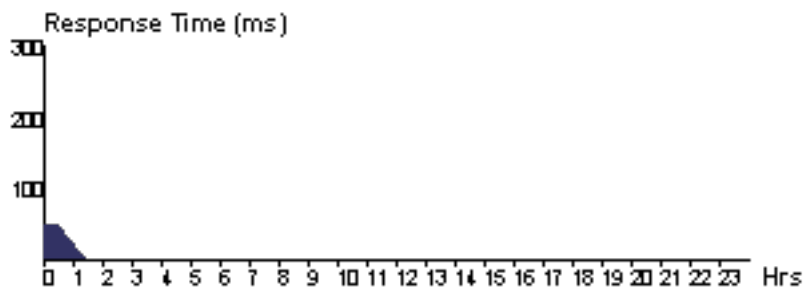
UB25



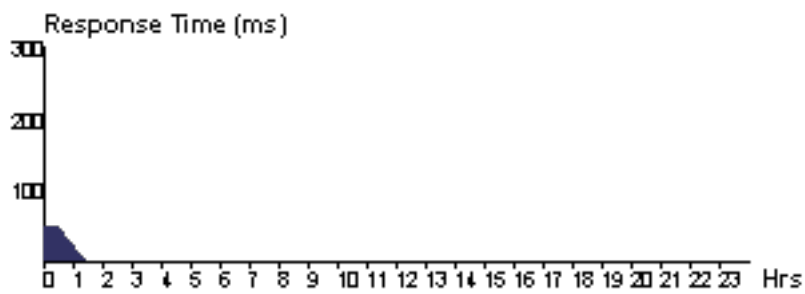
UB26



UB27

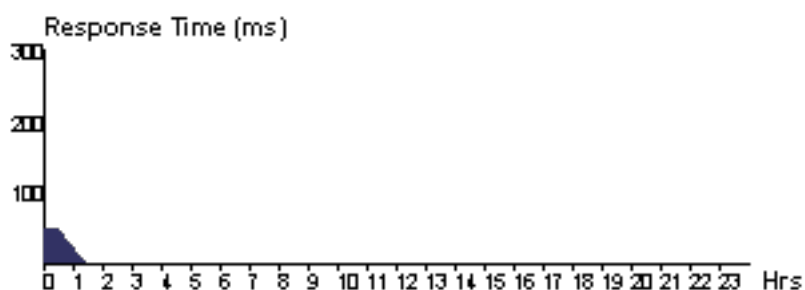
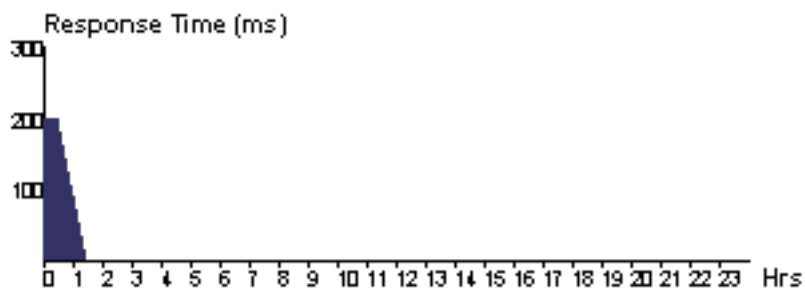


UB28

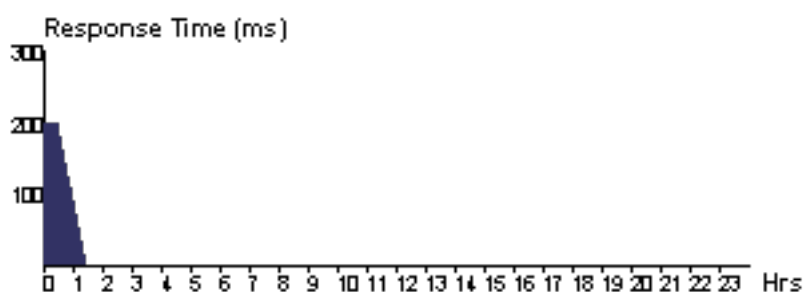


UB29

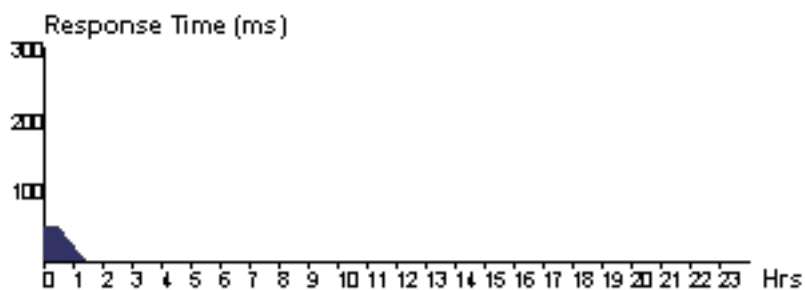
UB3



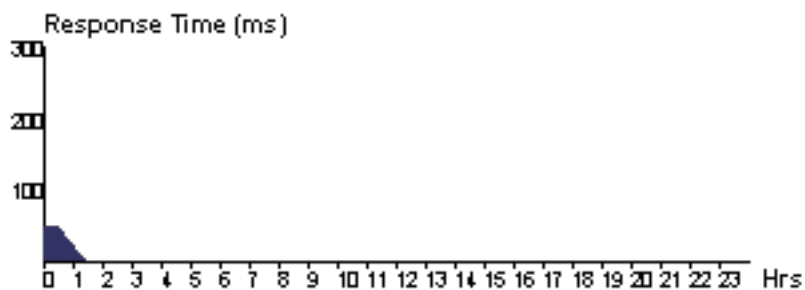
UB30



UB31

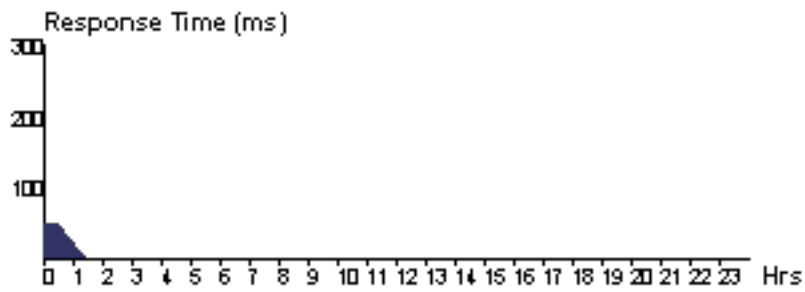
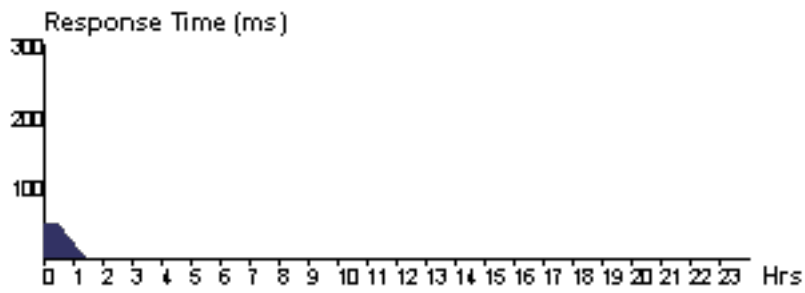


UB32

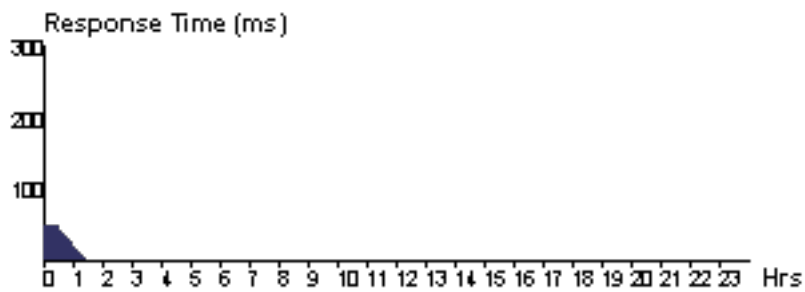


UB33

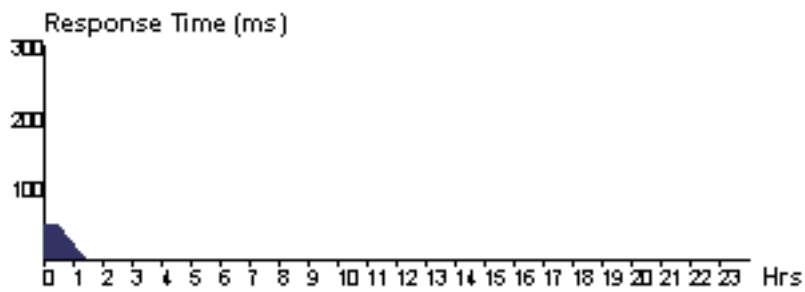
UB34



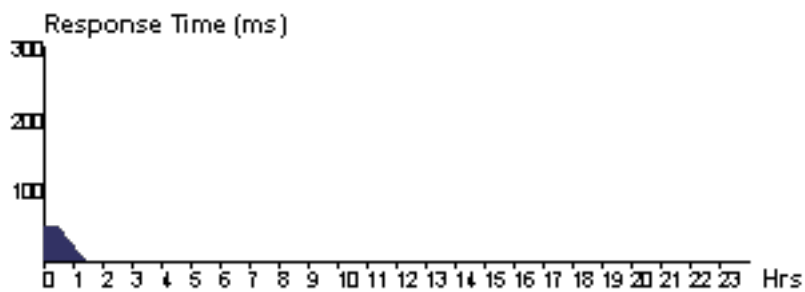
UB35



UB36

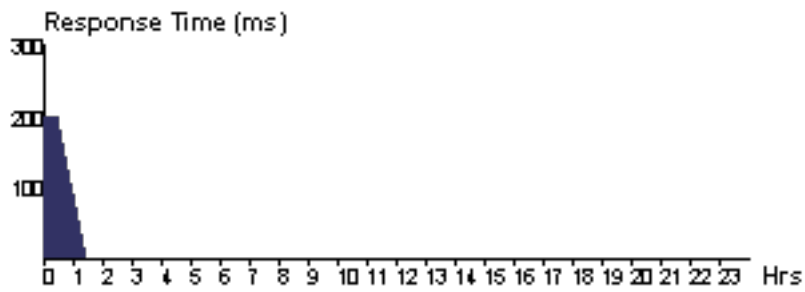
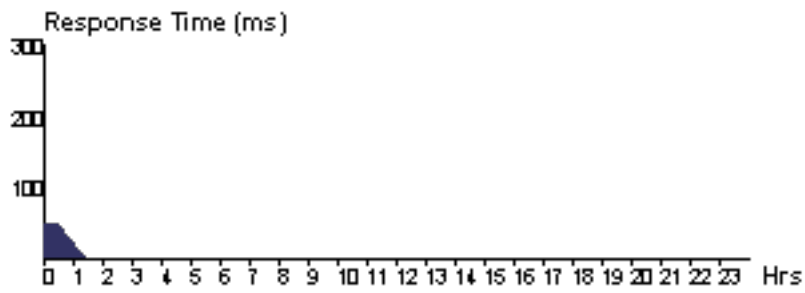


UB37

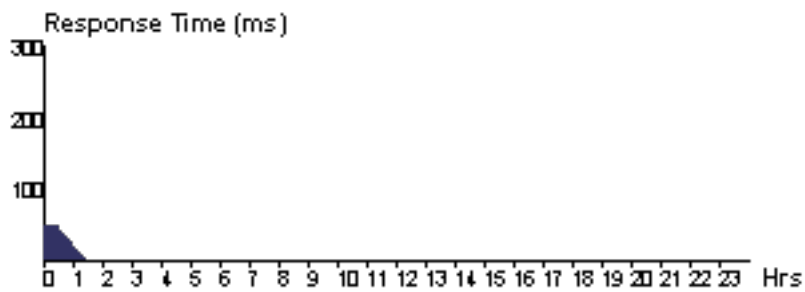


UB38

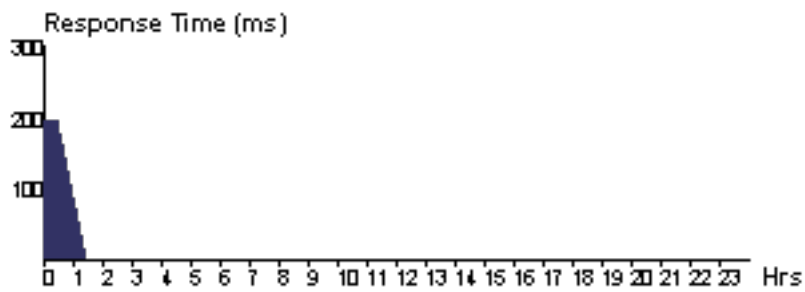
UB39



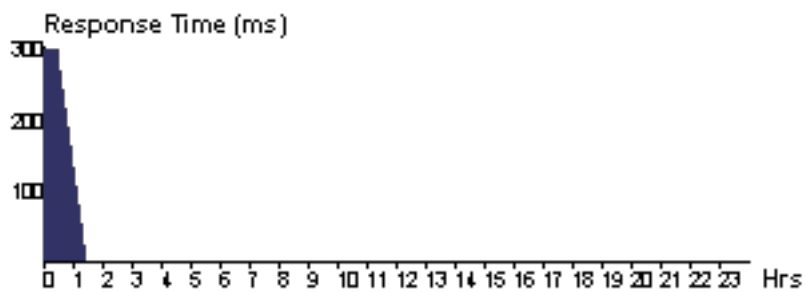
UB4



UB40

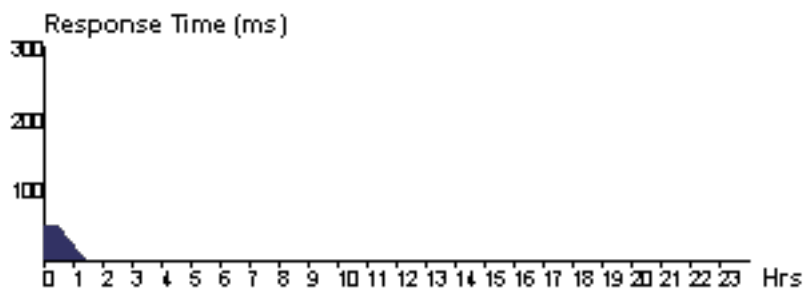
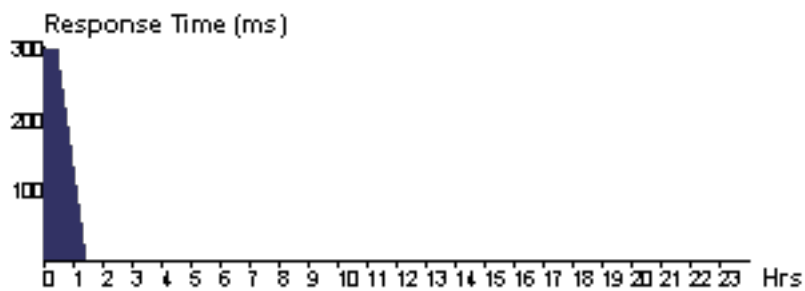


UB41

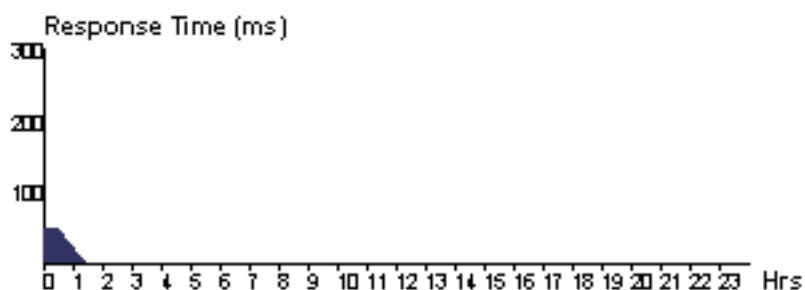


UB42

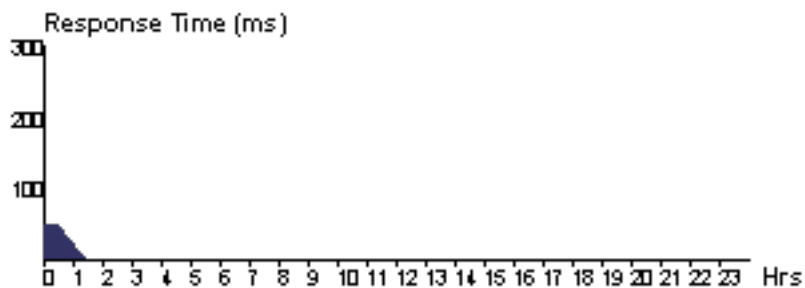
UB43



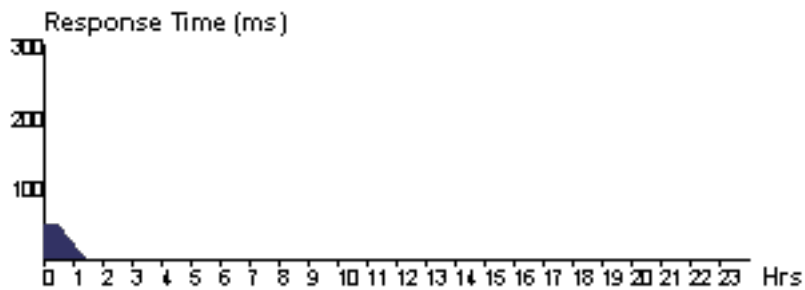
UB44



UB45

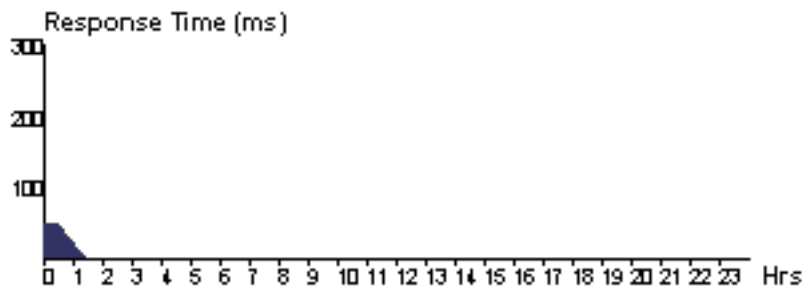
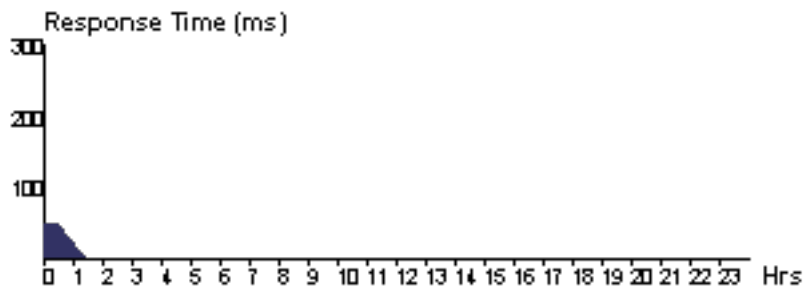


UB46

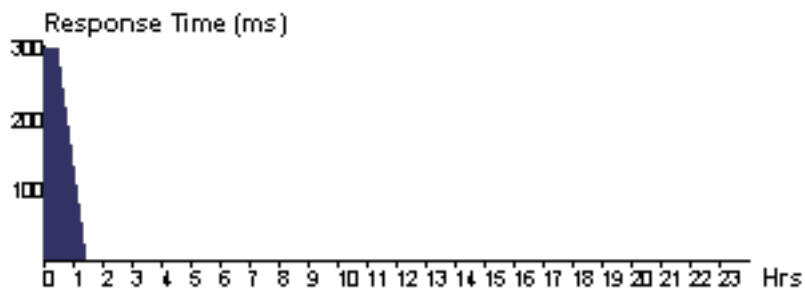


UB47

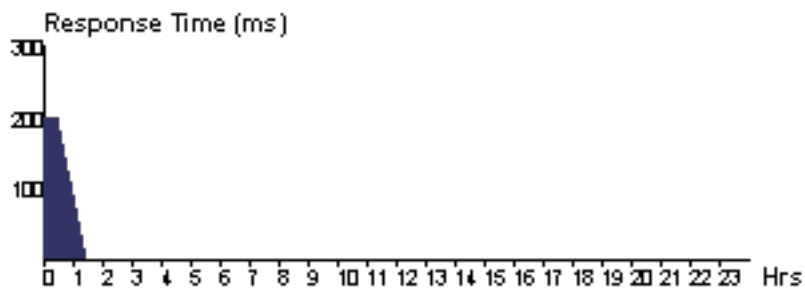
UB48



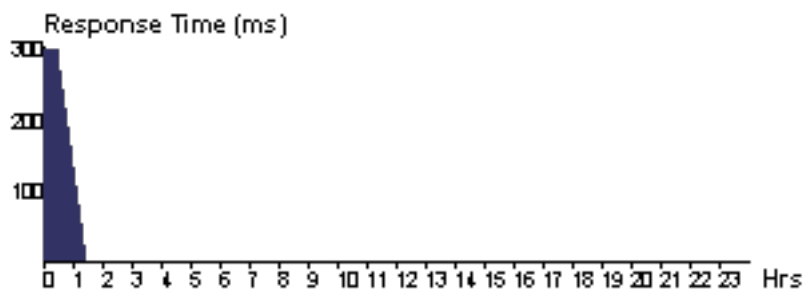
UB49



UB5

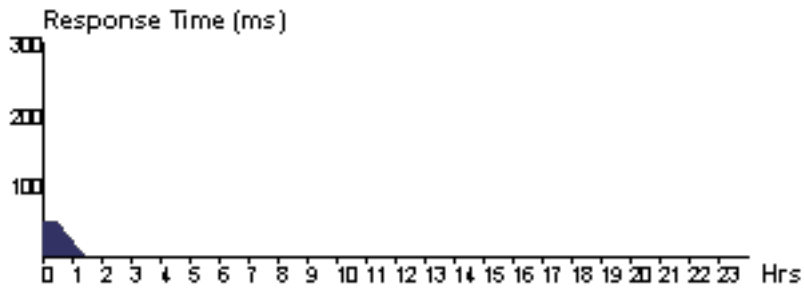
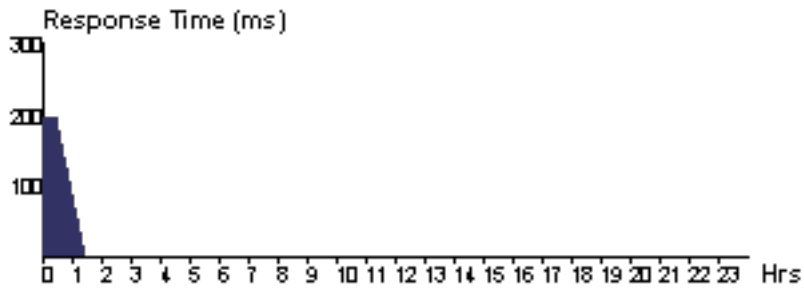


UB50

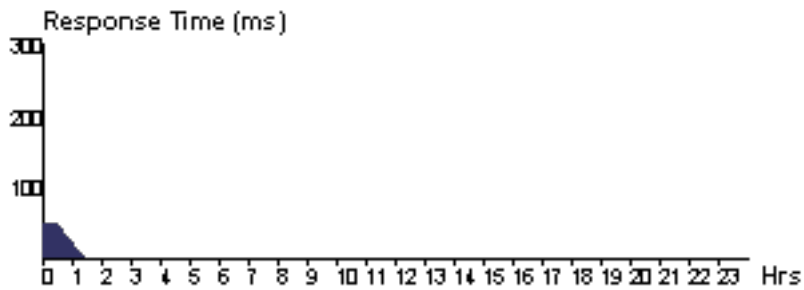


UB6

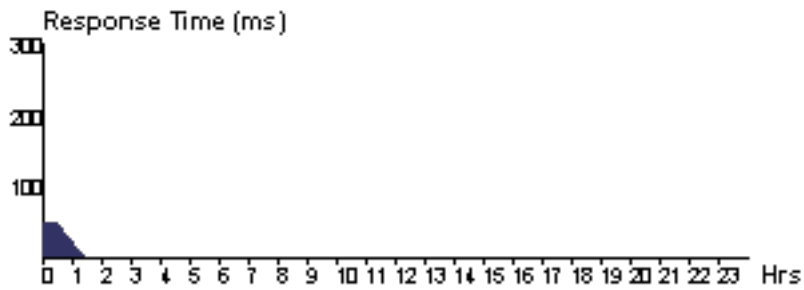
UB7



UB8



UB9

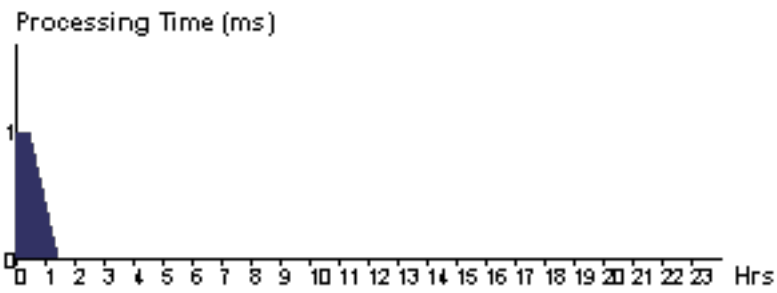


Data Center Request Servicing Times

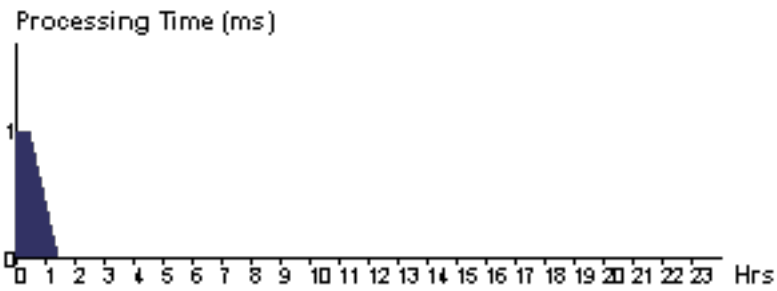
Data Center	Avg (ms)	Min (ms)	Max (ms)
DC1	1.49	0.02	2.67
DC2	1.64	0.02	2.64
DC3	1.64	0.02	2.63
DC4	1.67	0.04	2.66

Data Center Hourly Average Processing Times

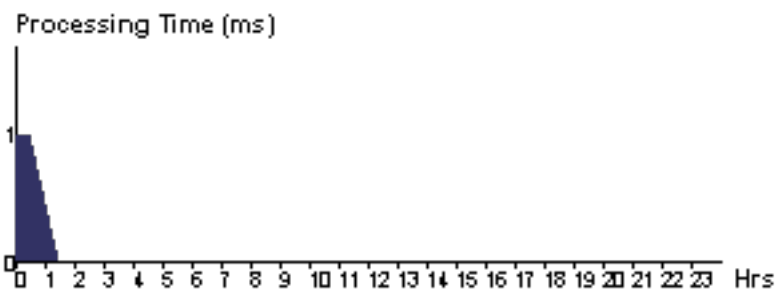
DC1



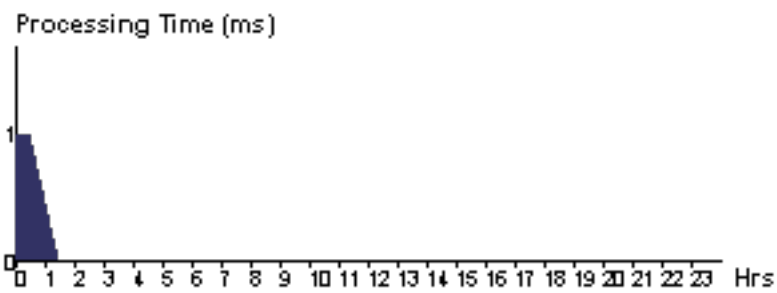
DC2



DC3

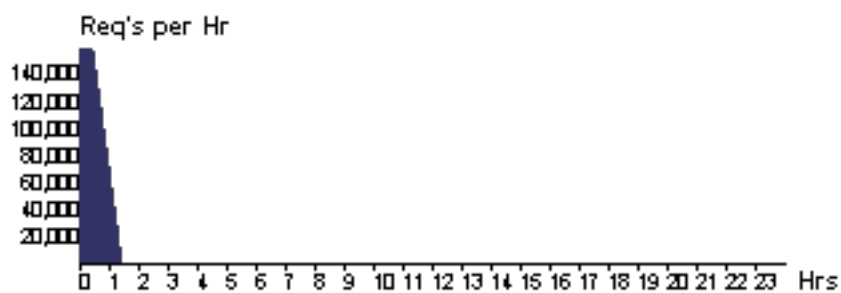


DC4

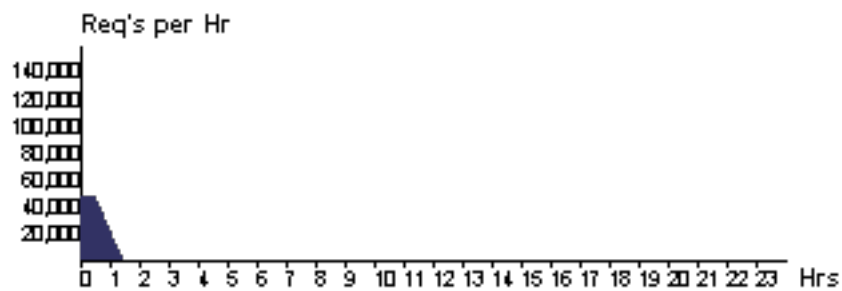


Data Center Hourly Loading

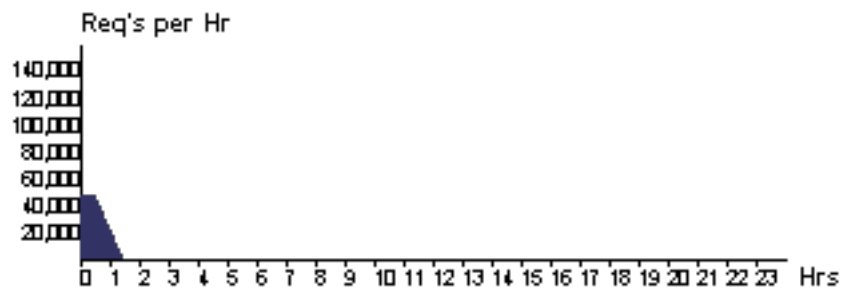
DC1



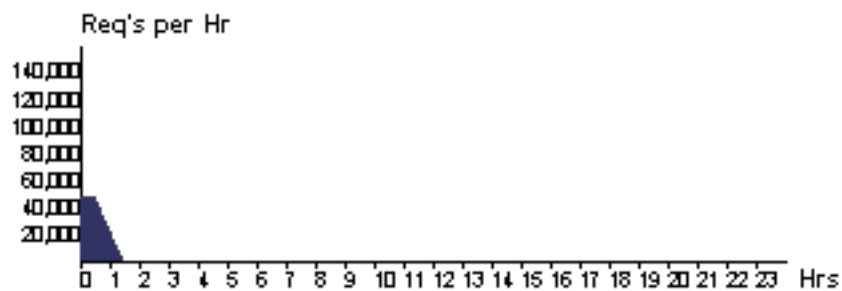
DC2



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	0.47	0.97
DC1	0.50	1.53	2.03
DC4	0.50	0.47	0.97
DC3	0.50	0.47	0.97

Avg RT

