

## Results of the Simulation Completed at: 08/02/2023 19:29:10

### Overall Response Time Summary

	<b>Avg (ms)</b>	<b>Min (ms)</b>	<b>Max (ms)</b>
Overall response time:	51.27	37.09	66.77
Data Center processing time:	1.65	0.02	4.87

### Response Time by Region

<b>Userbase</b>	<b>Avg (ms)</b>	<b>Min (ms)</b>	<b>Max (ms)</b>
UB100_643	50.97	42.89	58.41
UB101_643	51.63	43.79	59.90
UB102_643	51.45	40.56	59.39
UB103_643	51.78	41.91	60.88
UB104_643	51.41	42.70	61.15
UB105_643	50.90	41.26	58.39
UB106_643	51.35	43.19	58.14
UB107_643	51.47	44.64	60.84
UB108_643	51.56	42.14	59.02
UB109_643	50.85	43.63	58.24
UB10_643	51.87	39.85	59.12
UB110_643	51.34	43.10	60.30
UB111_643	51.25	42.21	58.96
UB112_643	51.07	38.81	62.06
UB113_643	51.68	43.42	61.16
UB114_643	50.93	42.17	58.57
UB115_643	50.96	42.07	59.36
UB116_643	51.79	44.13	59.35
UB117_643	50.95	40.92	62.51
UB118_643	51.08	41.70	58.90
UB119_643	50.75	43.12	59.88
UB11_643	51.32	42.14	60.14
UB120_643	50.99	41.46	61.09
UB121_643	51.16	43.09	59.74
UB122_643	50.80	41.21	59.51
UB123_643	51.48	45.45	62.01

UB124_643	51.11	43.59	58.59
UB125_643	51.60	41.21	59.55
UB126_643	50.98	40.97	58.79
UB127_643	50.58	43.82	60.97
UB128_643	51.39	40.42	59.67
UB129_643	50.88	41.91	58.66
UB12_643	50.90	42.12	59.64
UB130_643	51.38	40.36	59.46
UB131_643	51.52	43.66	61.29
UB132_643	51.68	42.35	61.16
UB133_643	51.64	44.41	60.76
UB134_643	51.82	44.10	59.45
UB135_643	51.42	41.46	61.09
UB136_643	51.61	43.37	61.91
UB137_643	50.79	42.28	57.78
UB138_643	50.73	44.18	59.48
UB139_643	51.51	41.35	61.37
UB13_643	51.23	44.09	61.92
UB140_643	51.64	42.11	63.13
UB141_643	52.00	44.40	59.16
UB142_643	51.21	43.77	61.45
UB143_643	51.38	45.91	61.36
UB144_643	51.43	43.07	60.00
UB145_643	51.40	41.69	57.93
UB146_643	51.95	44.31	59.94
UB147_643	50.59	41.49	60.16
UB148_643	51.37	38.66	59.16
UB149_643	51.99	43.11	57.59
UB14_643	51.88	44.44	60.84
UB150_643	50.86	43.72	59.67
UB151_643	50.61	43.51	60.55
UB152_643	50.84	41.78	58.91
UB153_643	52.08	44.51	61.92
UB154_643	50.78	42.70	58.48
UB155_643	51.85	41.91	63.41
UB156_643	51.37	43.55	61.15
UB157_643	51.52	44.10	59.52
UB158_643	51.55	42.82	59.60

UB159_643	51.15	42.39	60.85
UB15_643	51.67	42.38	61.36
UB160_643	52.44	44.39	61.14
UB161_643	50.69	39.10	58.39
UB162_643	51.27	42.87	61.70
UB163_643	51.50	42.69	60.14
UB164_643	51.19	41.80	60.16
UB165_643	51.63	43.18	62.70
UB166_643	51.20	44.01	58.19
UB167_643	50.54	40.59	57.88
UB168_643	51.22	43.37	59.89
UB169_643	51.18	43.47	58.06
UB16_643	51.15	44.64	59.14
UB170_643	51.94	44.80	59.85
UB171_643	50.80	42.23	63.73
UB172_643	50.96	39.53	59.73
UB173_643	51.05	42.13	59.62
UB174_643	50.81	37.88	60.75
UB175_643	50.78	44.85	62.56
UB176_643	50.89	43.24	59.26
UB177_643	51.86	40.57	63.23
UB178_643	51.42	42.78	61.38
UB179_643	50.86	41.75	61.42
UB17_643	51.68	39.60	61.78
UB180_643	51.04	42.33	61.58
UB181_643	51.48	45.23	59.76
UB182_643	51.12	43.29	60.64
UB183_643	51.35	38.84	59.40
UB184_643	51.22	40.71	58.64
UB185_643	51.84	40.62	62.14
UB186_643	51.90	42.95	65.38
UB187_643	51.42	42.64	63.89
UB188_643	51.72	41.40	60.12
UB189_643	51.38	45.12	61.21
UB18_643	51.04	43.05	62.64
UB190_643	51.53	43.63	60.55
UB191_643	51.13	41.08	58.47
UB192_643	51.18	43.30	57.88

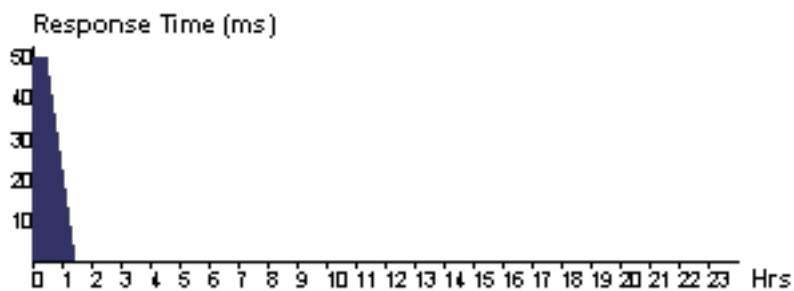
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UB197_643	51.44	42.16	61.14
UB198_643	50.63	42.39	60.13
UB199_643	51.01	42.64	57.97
UB19_643	51.67	40.73	62.40
UB1_643	51.50	43.55	59.32
UB200_643	50.83	42.06	58.32
UB20_643	49.87	40.32	60.07
UB21_643	51.53	40.41	59.89
UB22_643	50.32	41.53	64.39
UB23_643	51.22	42.03	58.89
UB24_643	51.22	41.44	58.99
UB25_643	51.47	41.71	58.64
UB26_643	51.18	42.99	57.89
UB27_643	51.32	44.52	59.65
UB28_643	52.19	44.13	59.39
UB29_643	51.36	41.53	63.14
UB2_643	50.29	42.50	60.84
UB30_643	51.58	41.80	61.58
UB31_643	51.06	41.61	60.10
UB32_643	50.85	42.21	57.90
UB33_643	51.11	40.09	59.31
UB34_643	51.49	42.83	62.06
UB35_643	50.94	43.03	58.95
UB36_643	51.48	38.55	61.85
UB37_643	50.74	42.62	60.60
UB38_643	51.01	40.07	59.51
UB39_643	50.86	42.31	59.30
UB3_643	51.27	39.68	57.89
UB40_643	51.52	42.26	62.37
UB41_643	51.85	43.60	59.87
UB42_643	50.74	41.14	58.24
UB43_643	51.27	41.60	58.62
UB44_643	51.33	44.38	61.00
UB45_643	50.55	39.05	61.88

UB46_643	51.12	42.72	59.21
UB47_643	51.45	42.41	60.63
UB48_643	51.83	42.33	59.99
UB49_643	50.75	43.62	60.03
UB4_643	51.68	42.41	66.77
UB50_643	51.54	42.66	62.64
UB51_643	51.24	41.20	61.88
UB52_643	50.70	43.47	58.06
UB53_643	51.63	44.07	58.12
UB54_643	51.02	44.27	57.23
UB55_643	51.52	45.21	61.40
UB56_643	51.15	43.64	60.95
UB57_643	51.44	43.20	60.99
UB58_643	51.29	41.64	61.34
UB59_643	51.19	38.87	62.01
UB5_643	51.53	41.41	59.90
UB60_643	51.06	44.40	59.81
UB61_643	50.94	40.41	58.89
UB62_643	51.52	43.45	60.26
UB63_643	51.27	44.64	59.73
UB64_643	51.20	41.71	59.32
UB65_643	51.70	44.95	60.40
UB66_643	51.35	43.65	60.79
UB67_643	50.57	43.54	57.89
UB68_643	51.99	44.72	61.36
UB69_643	51.33	43.28	59.93
UB6_643	50.40	41.10	57.73
UB70_643	51.06	41.93	59.60
UB71_643	50.89	42.07	61.85
UB72_643	51.35	41.79	60.14
UB73_643	51.68	40.07	61.39
UB74_643	51.04	43.88	57.66
UB75_643	51.25	44.53	58.81
UB76_643	51.36	42.19	59.39
UB77_643	51.71	43.09	60.66
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UB79_643	50.51	42.14	59.90
UB7_643	51.85	43.08	60.19

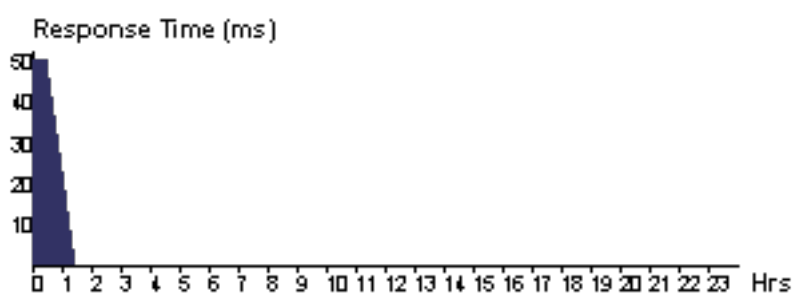
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UB84_643	51.32	42.32	61.64
UB85_643	51.20	42.91	63.09
UB86_643	50.83	39.81	57.69
UB87_643	50.77	43.20	58.64
UB88_643	51.32	39.10	61.39
UB89_643	51.23	42.39	58.89
UB8_643	51.27	42.11	60.84
UB90_643	51.33	43.78	58.15
UB91_643	51.08	43.89	61.39
UB92_643	51.03	42.89	59.14
UB93_643	51.67	44.39	62.58
UB94_643	51.65	44.13	61.96
UB95_643	51.67	42.55	61.89
UB96_643	51.25	42.76	58.33
UB97_643	51.21	39.97	60.64
UB98_643	51.92	42.45	61.37
UB99_643	51.05	40.93	58.64
UB9_643	51.36	37.09	59.51

## User Base Hourly Response Times

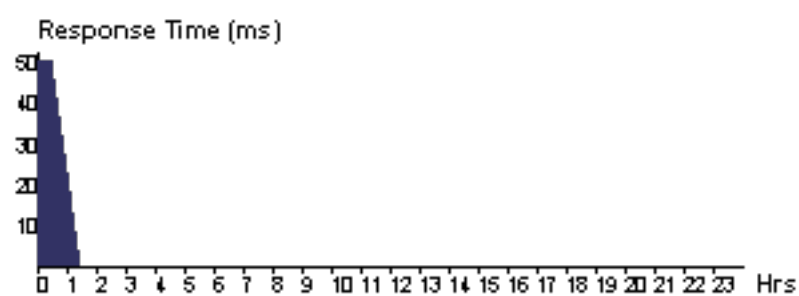
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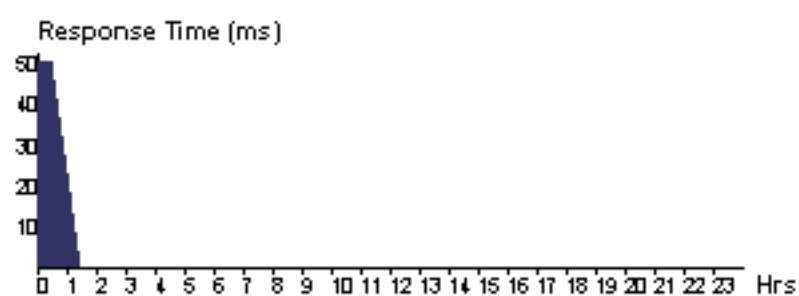
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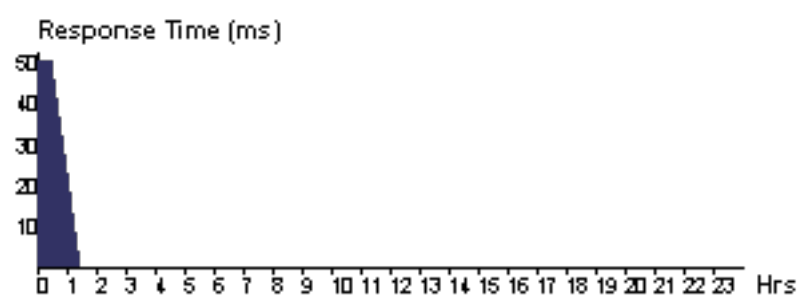
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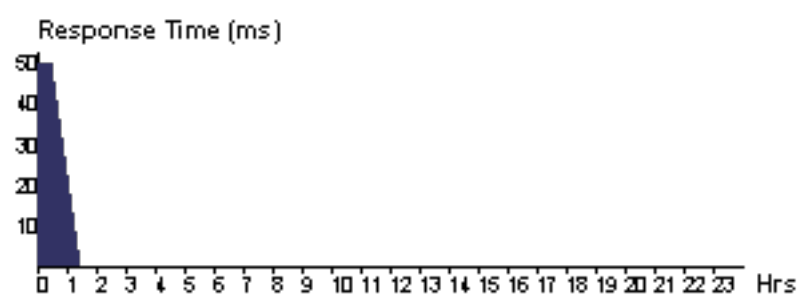
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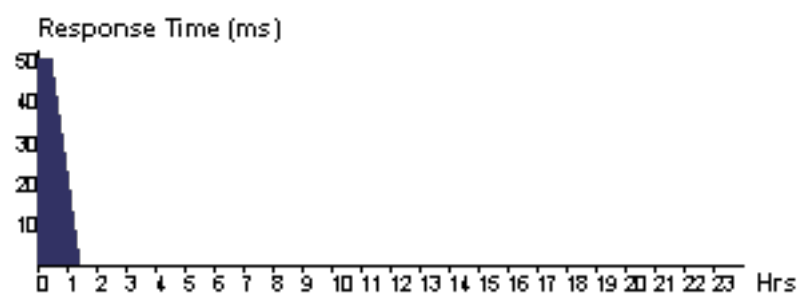
UB104\_643



UB105\_643

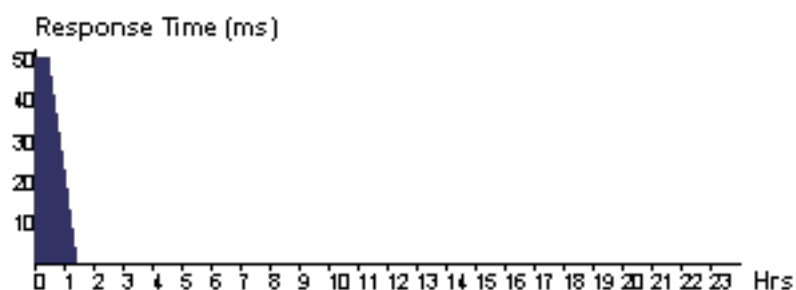
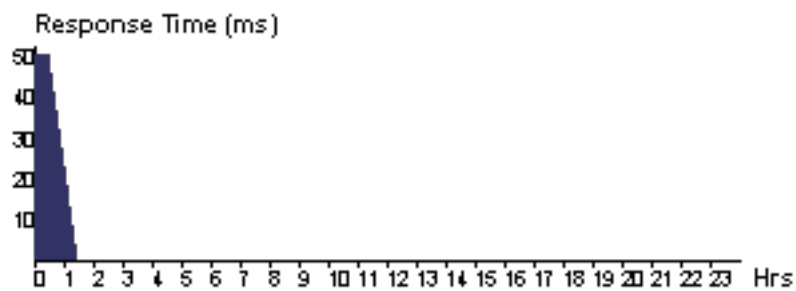


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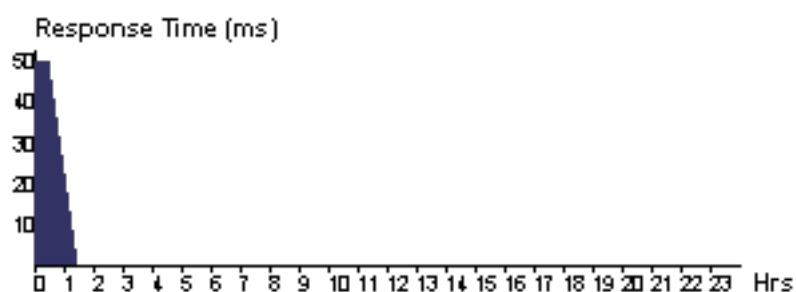


UB107\_643

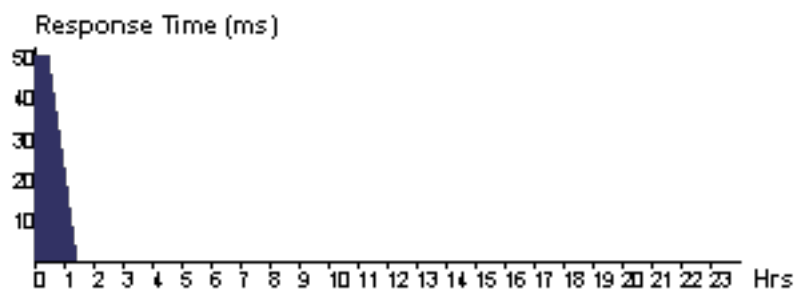
UB108\_643



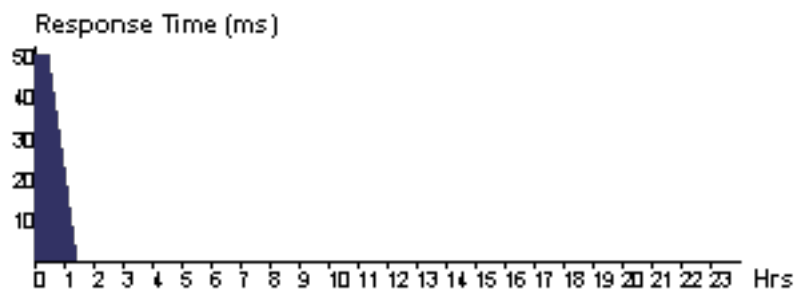
UB109\_643



UB10\_643



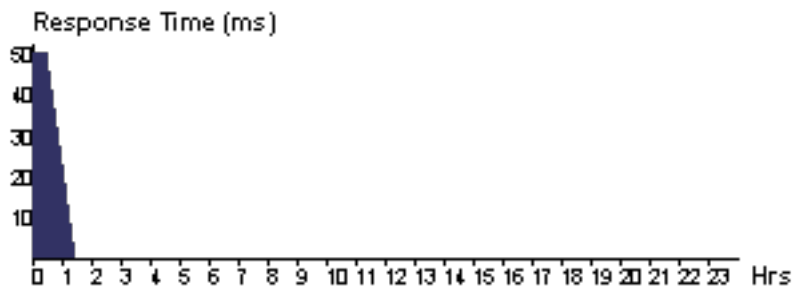
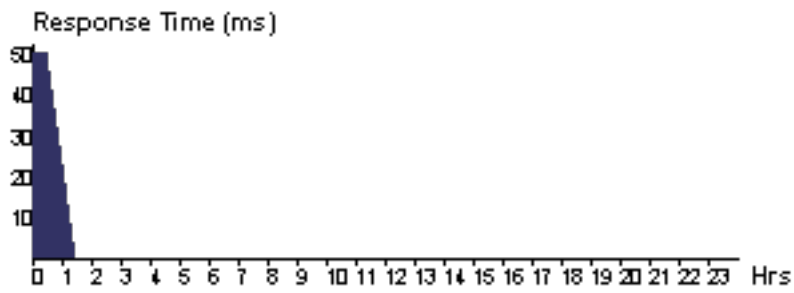
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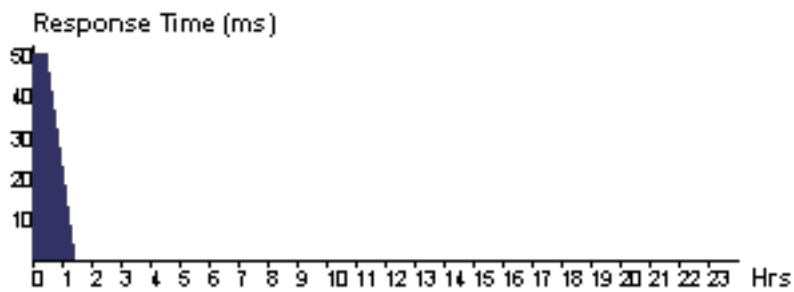
UB111\_643

UB112\_643

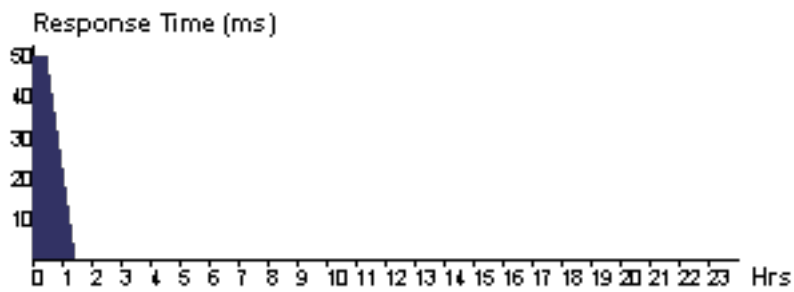




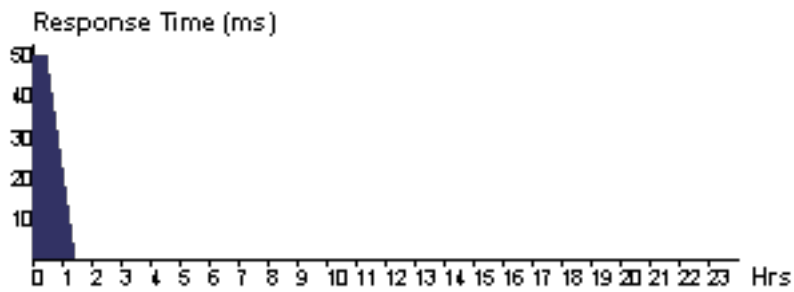
UB113\_643



UB114\_643

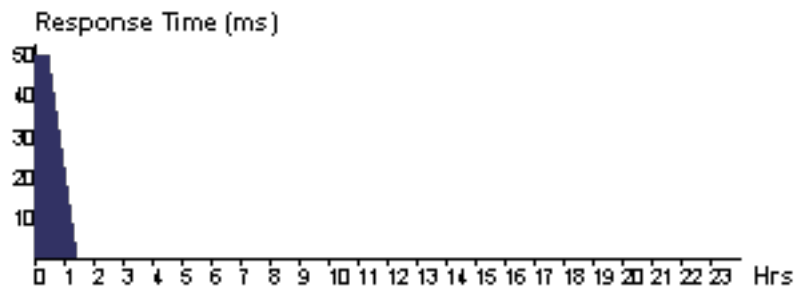
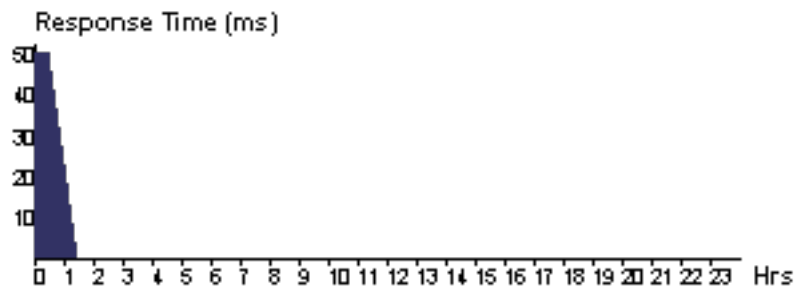


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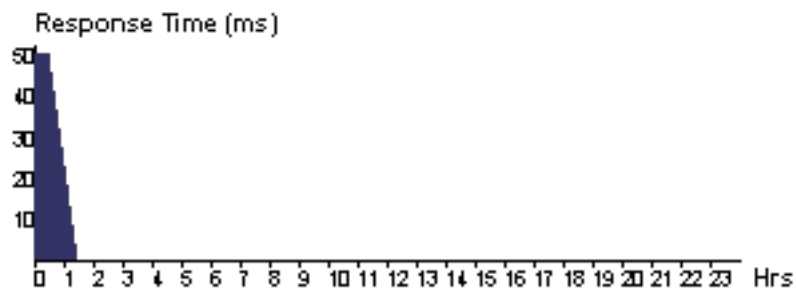


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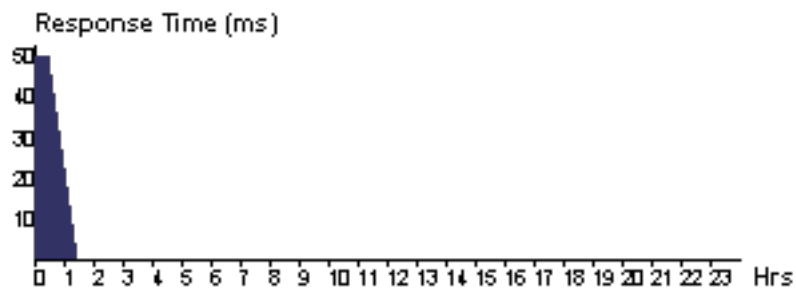
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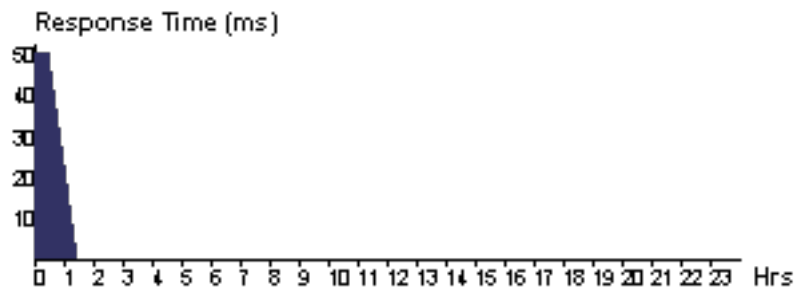
UB118\_643



UB119\_643

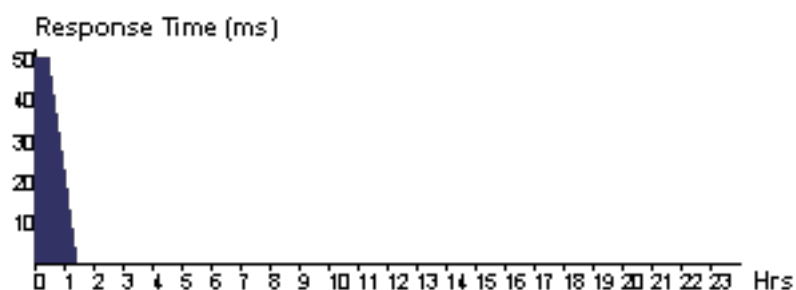
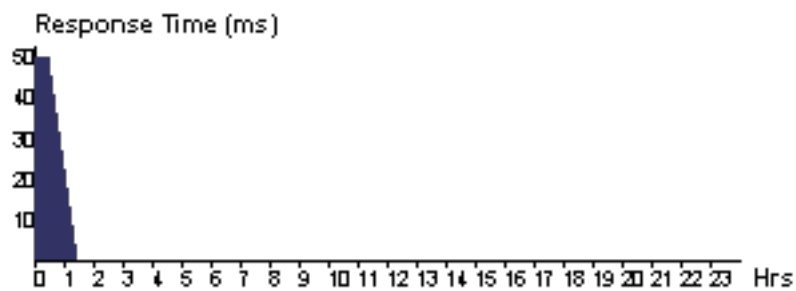


UB11\_643

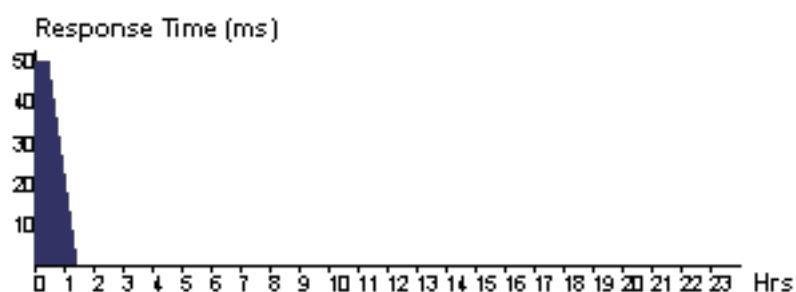


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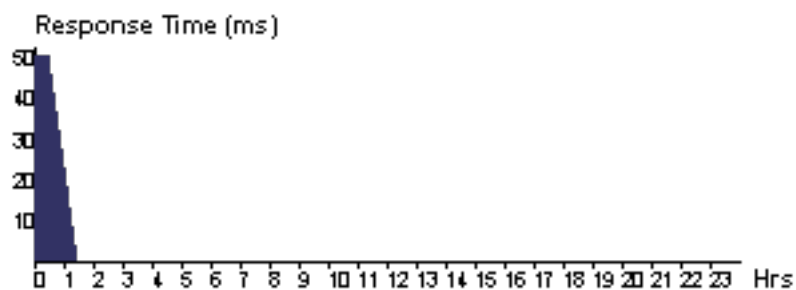
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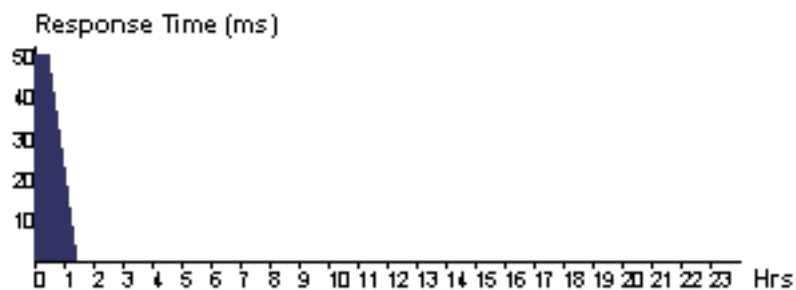
UB122\_643



UB123\_643

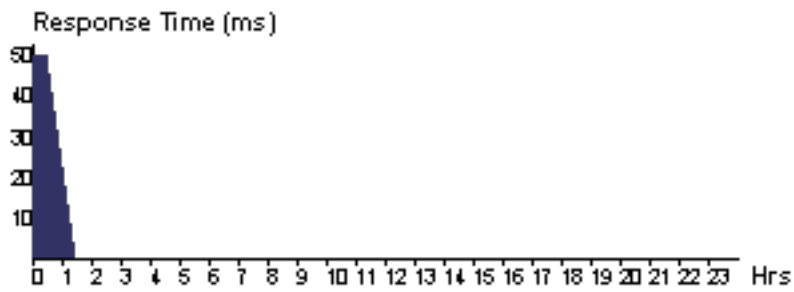
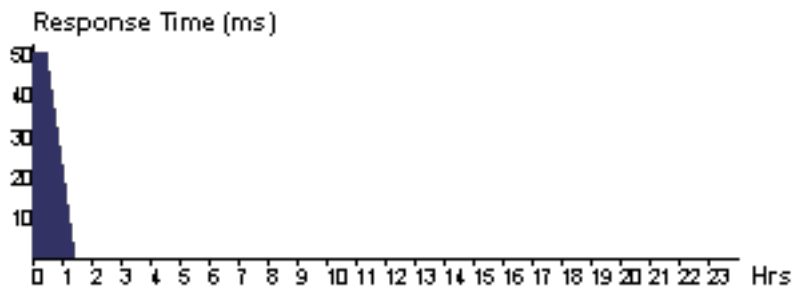


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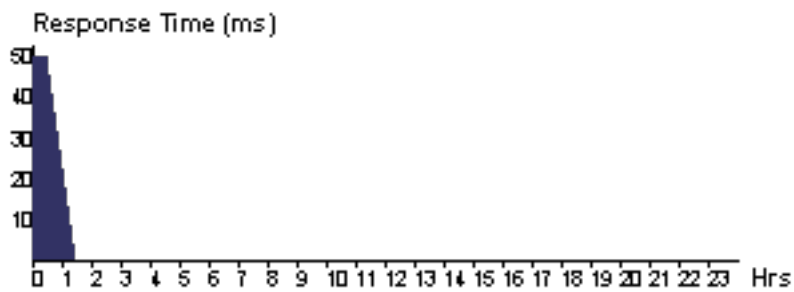


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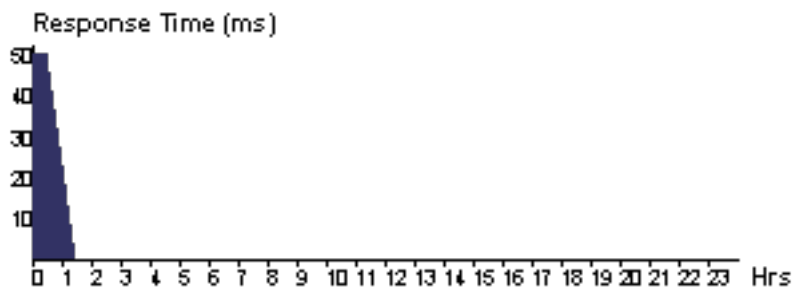
UB126\_643



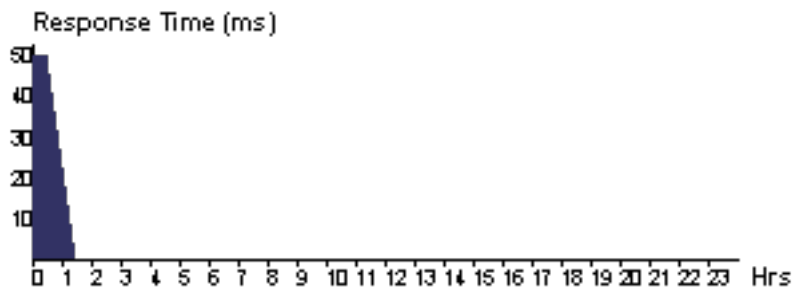
UB127\_643



UB128\_643

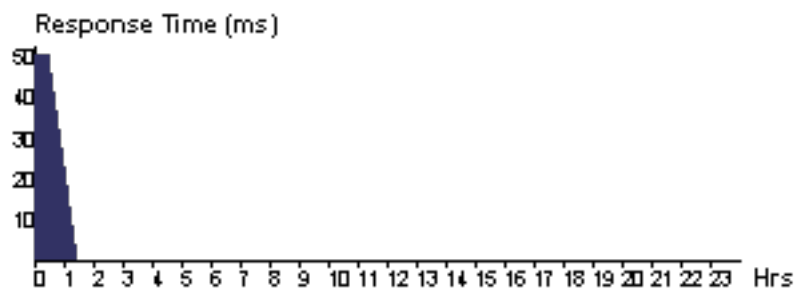
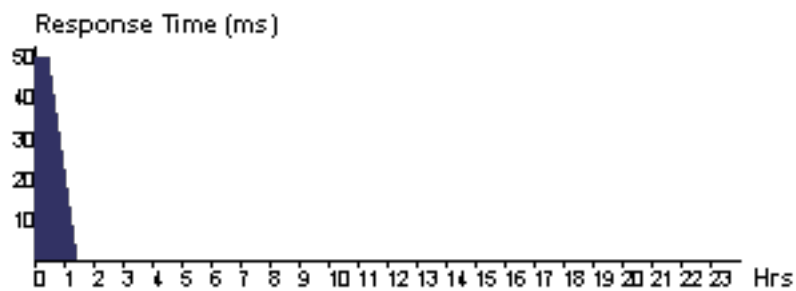


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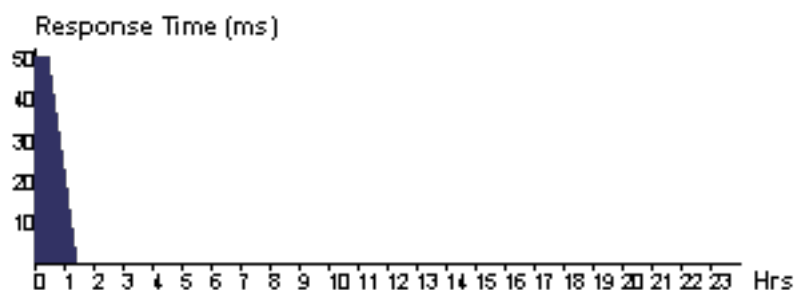


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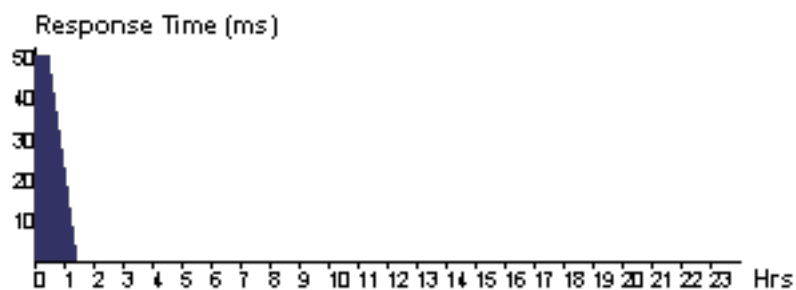
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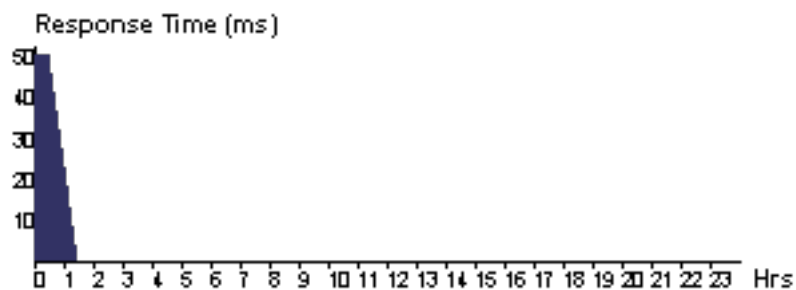
UB131\_643



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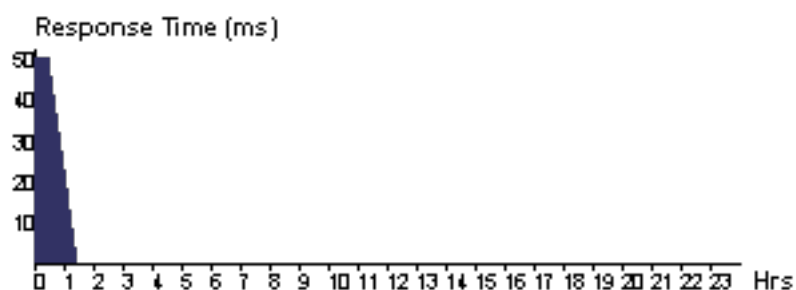
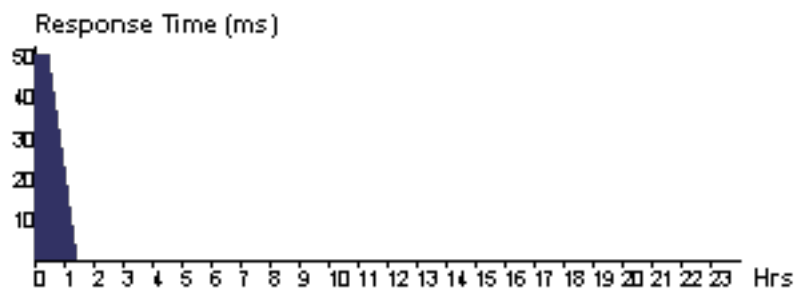


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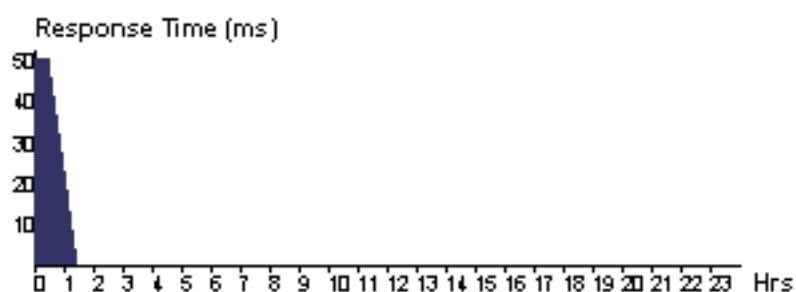


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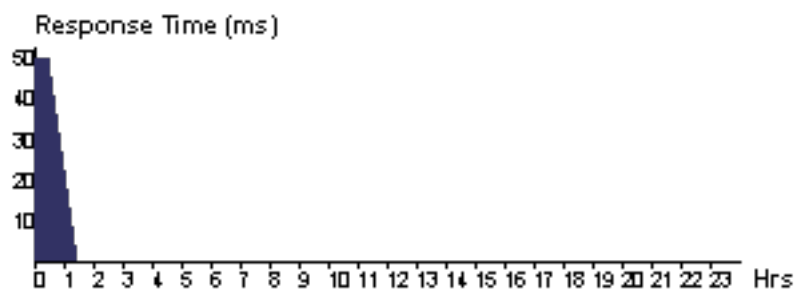
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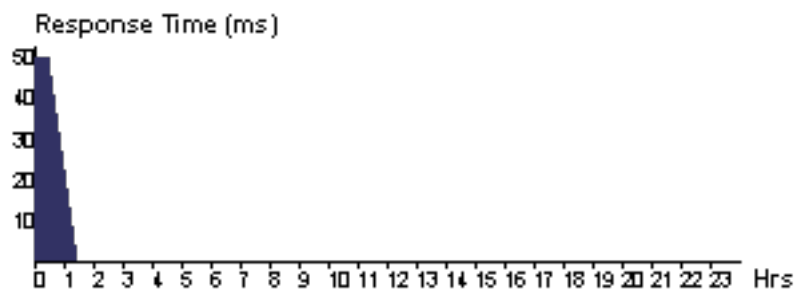
UB136\_643



UB137\_643

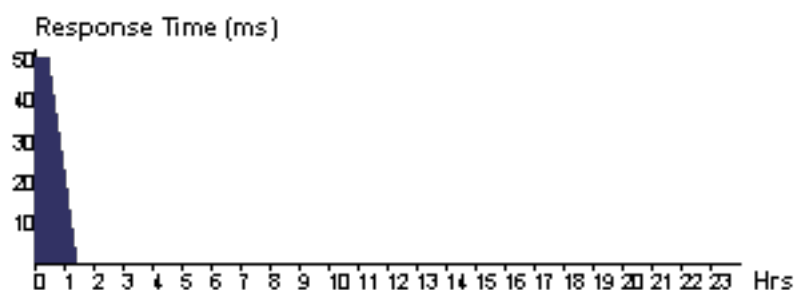
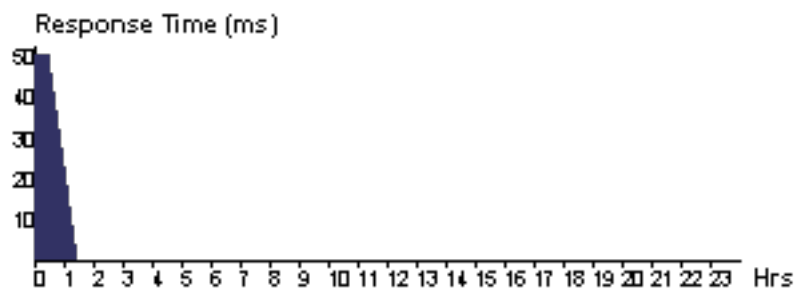


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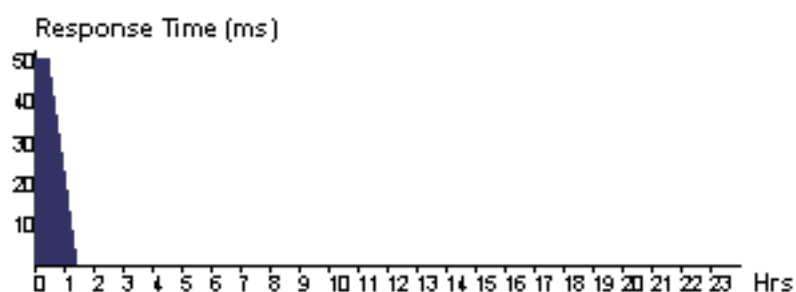


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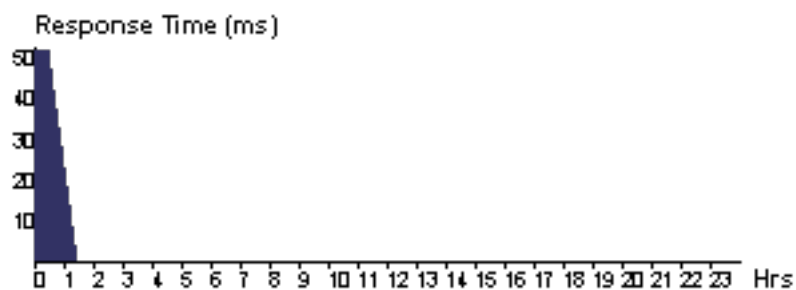
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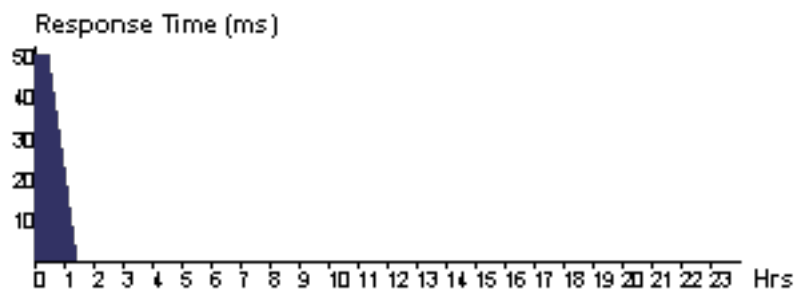
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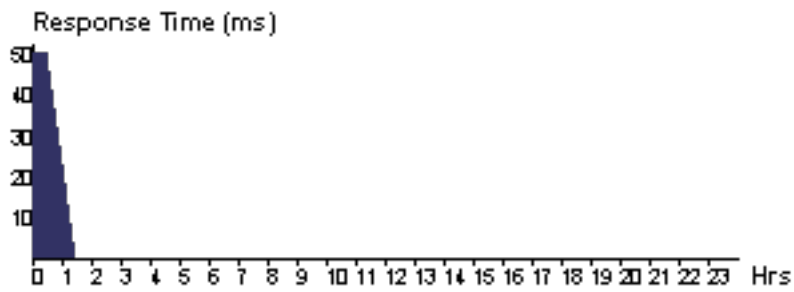
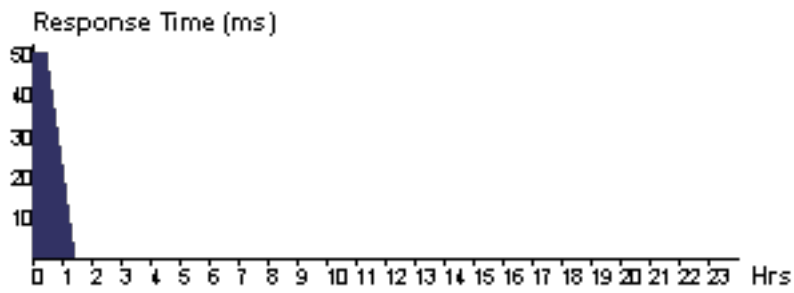


UB142\_643

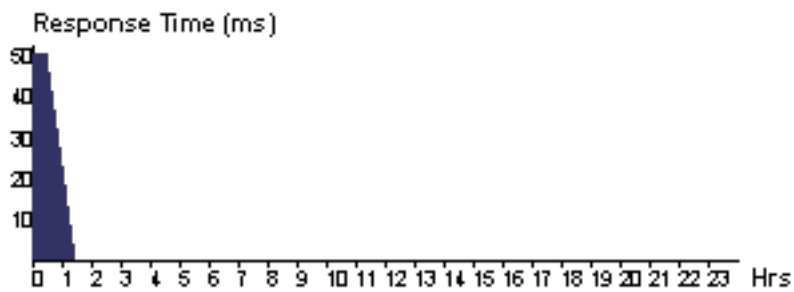


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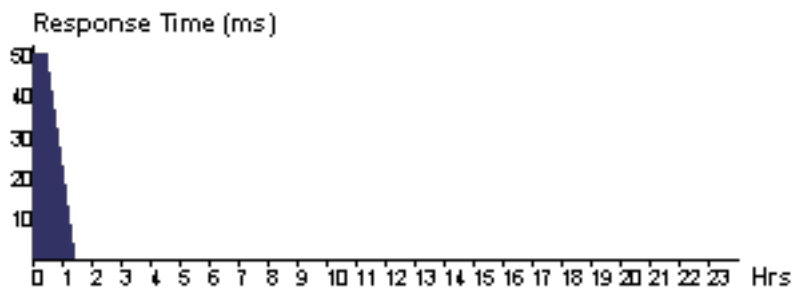
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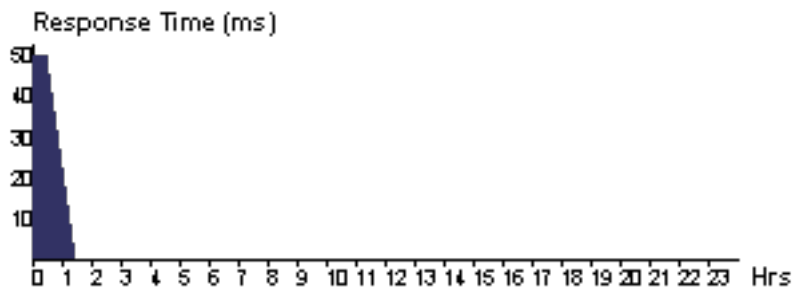
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UB146\_643



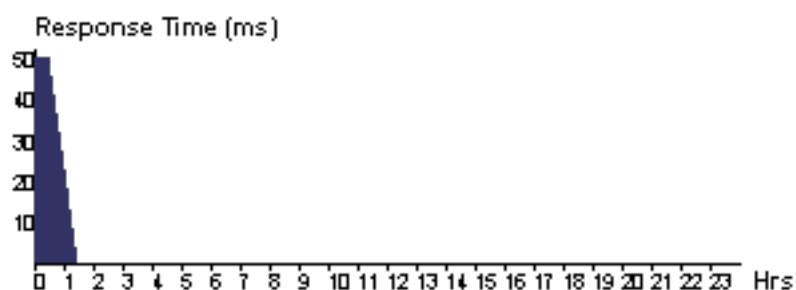
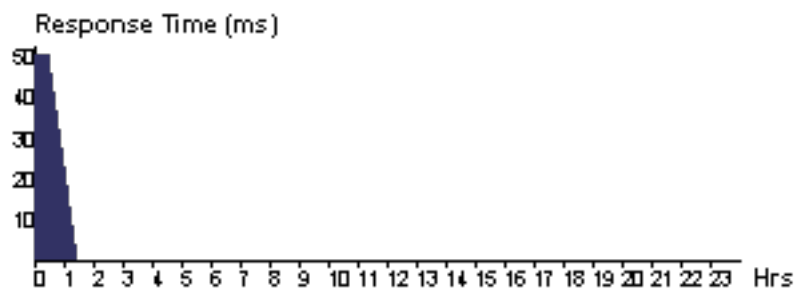
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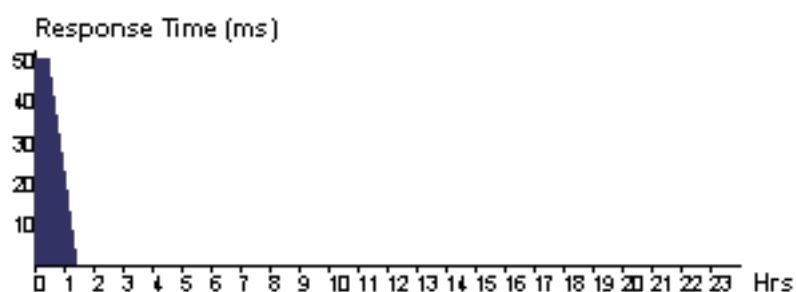
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UB149\_643

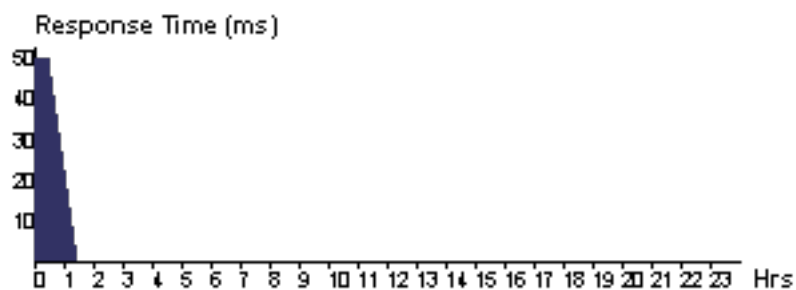




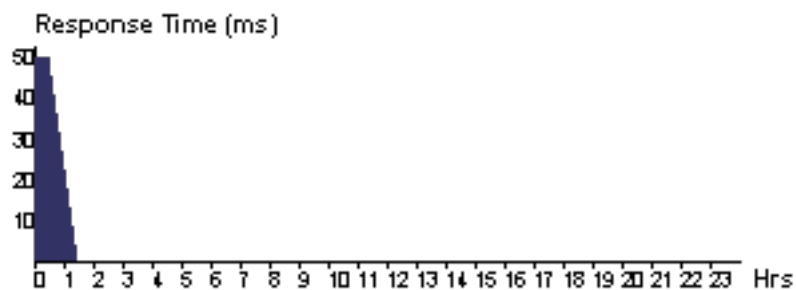
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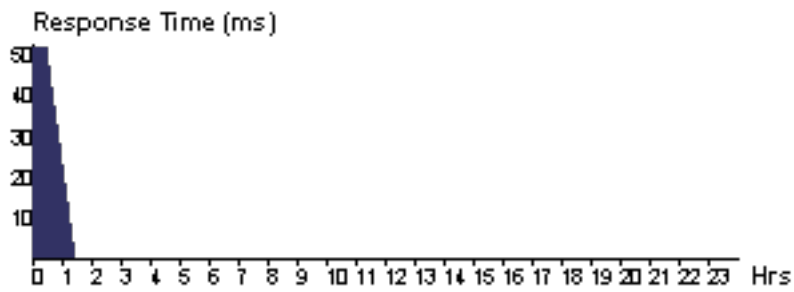
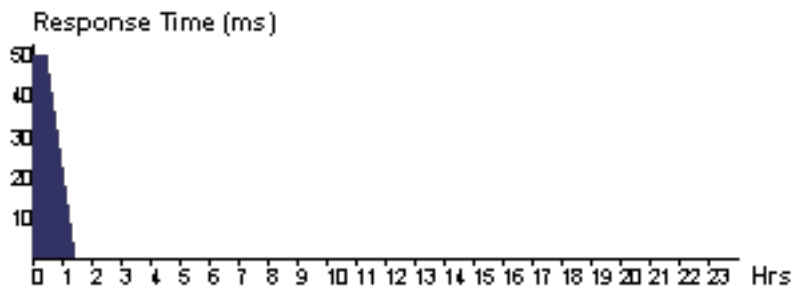


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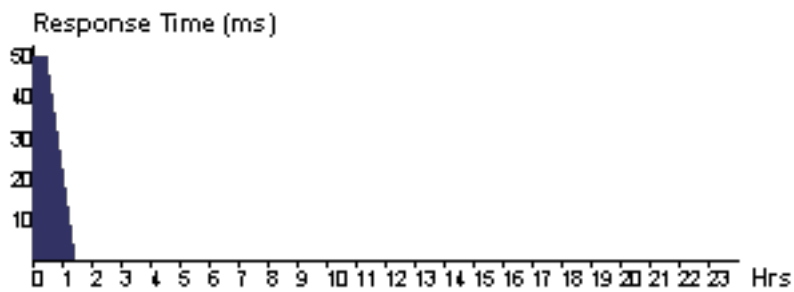


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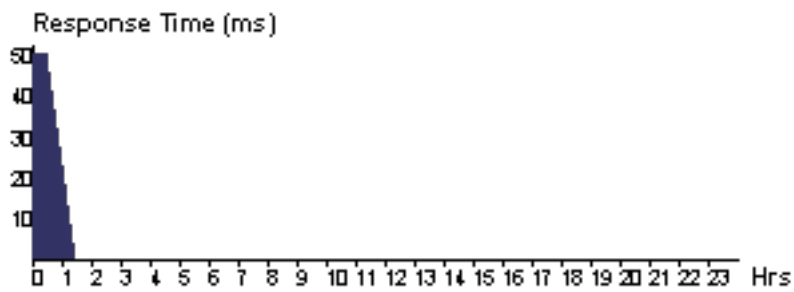
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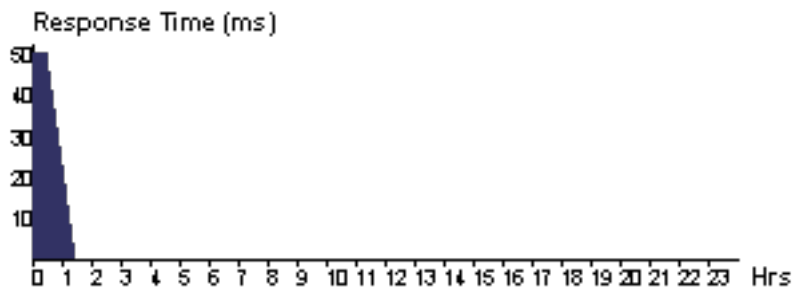
UB154\_643



UB155\_643

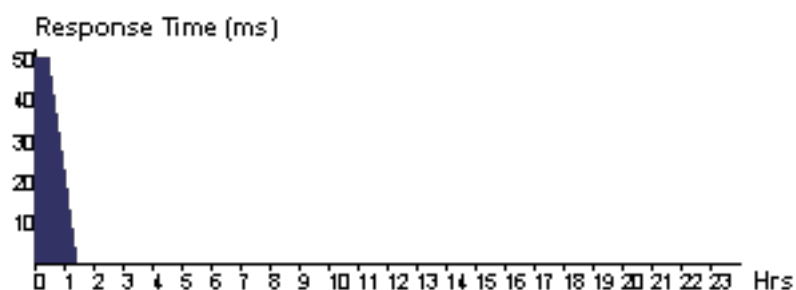
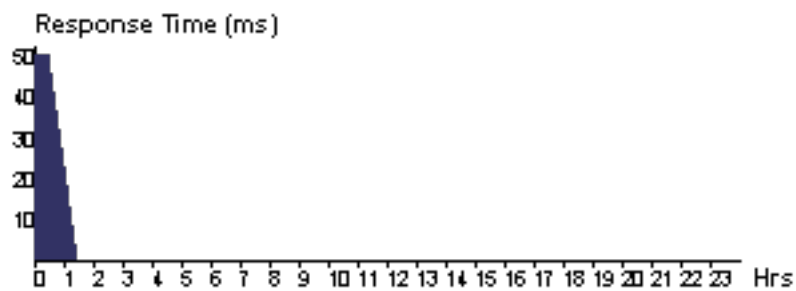


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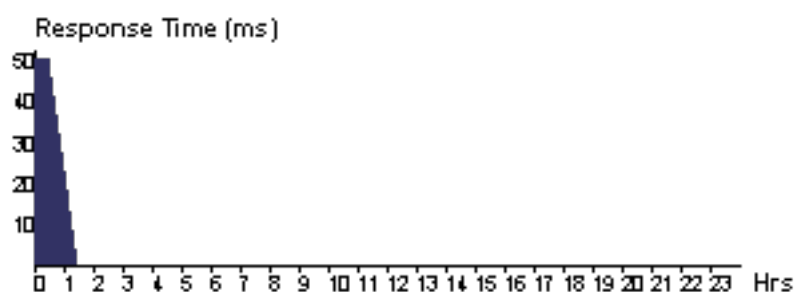


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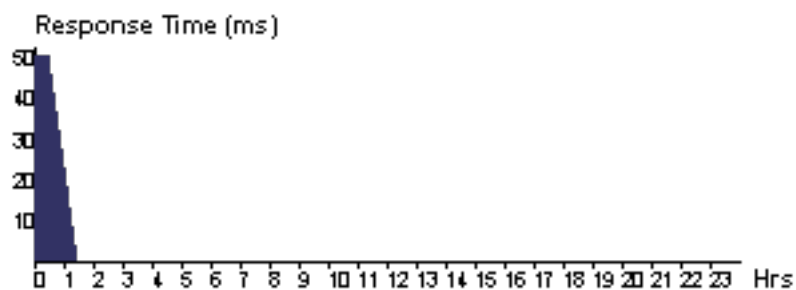
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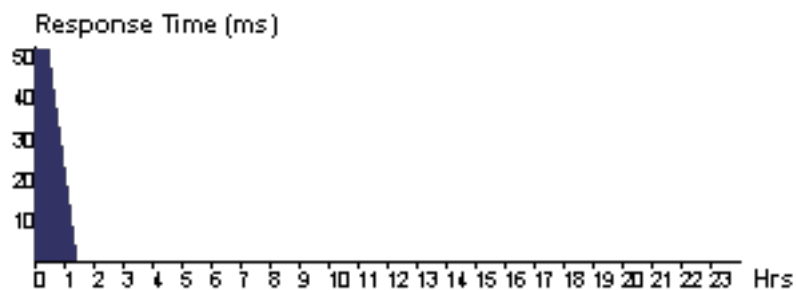
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UB15\_643

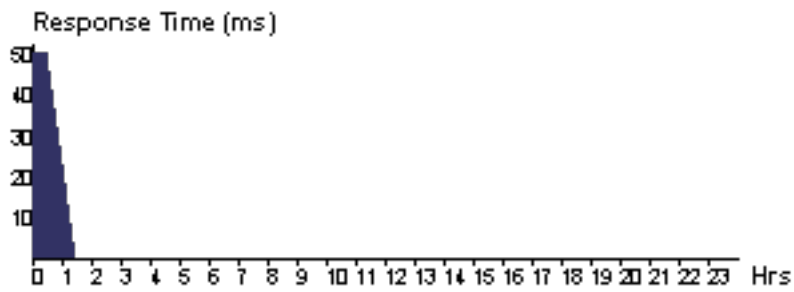
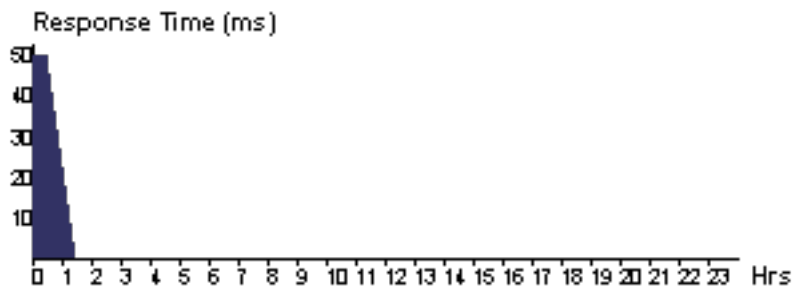


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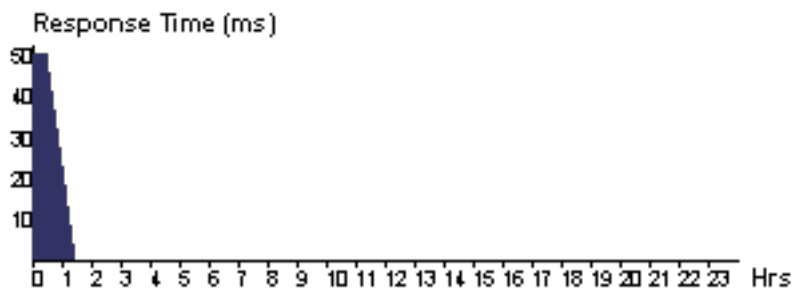


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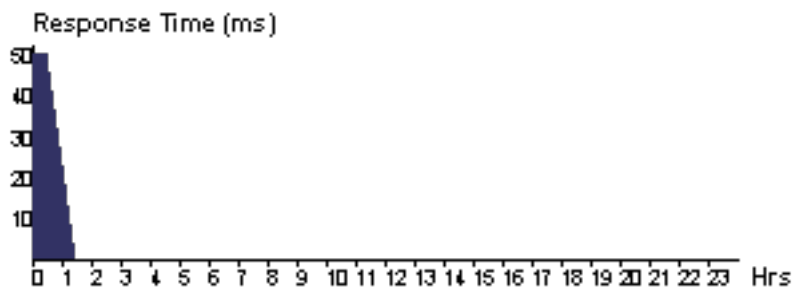
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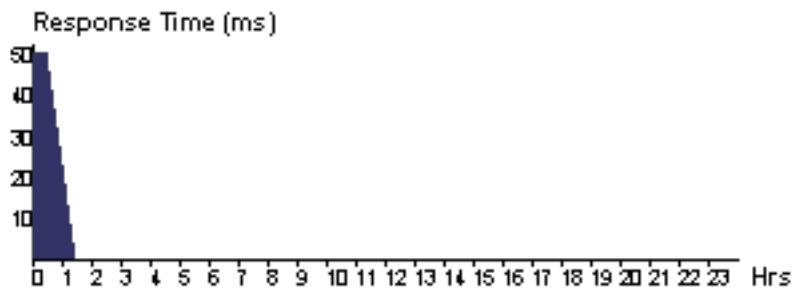
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UB164\_643

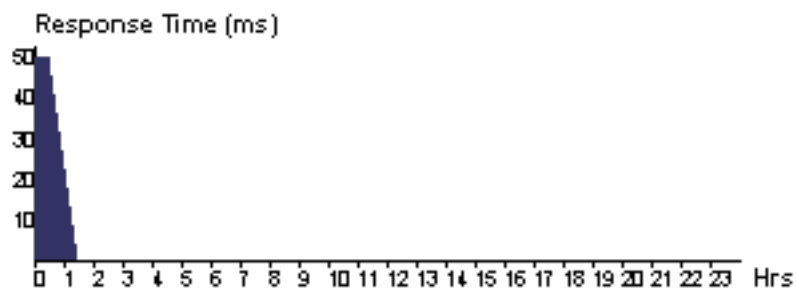
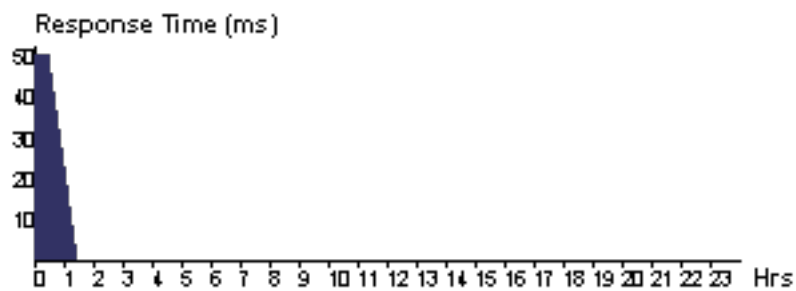


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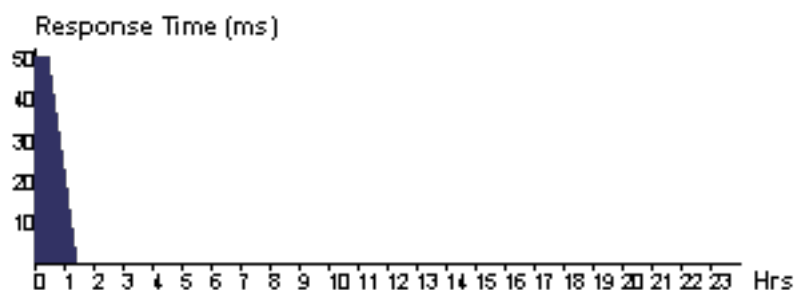


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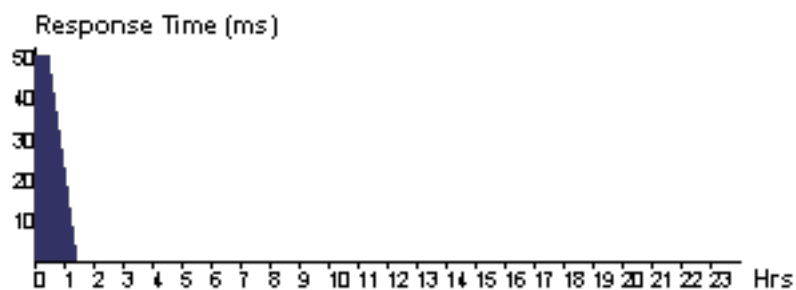
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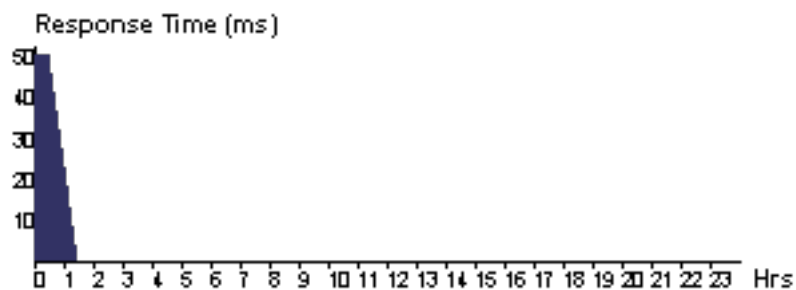
UB168\_643



UB169\_643

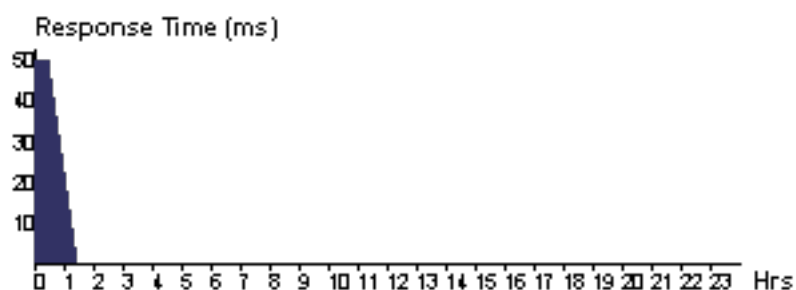
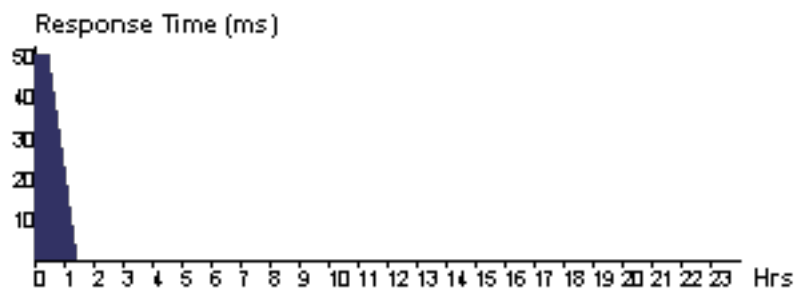


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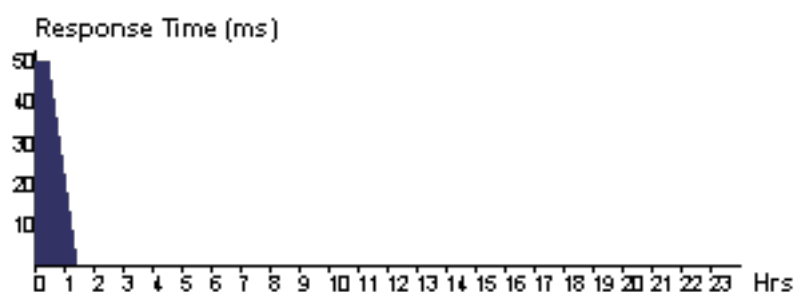


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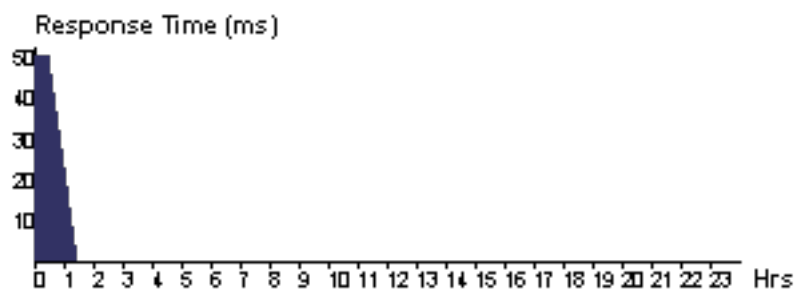
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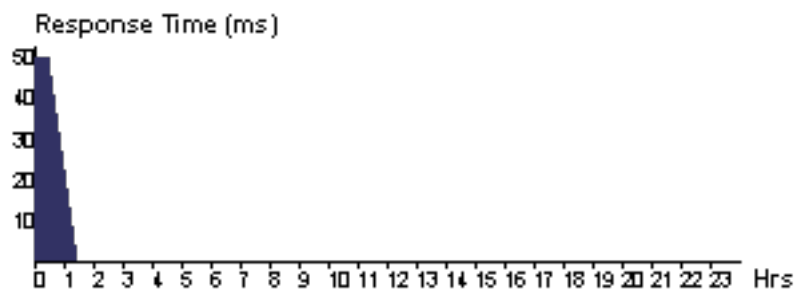
UB172\_643



UB173\_643

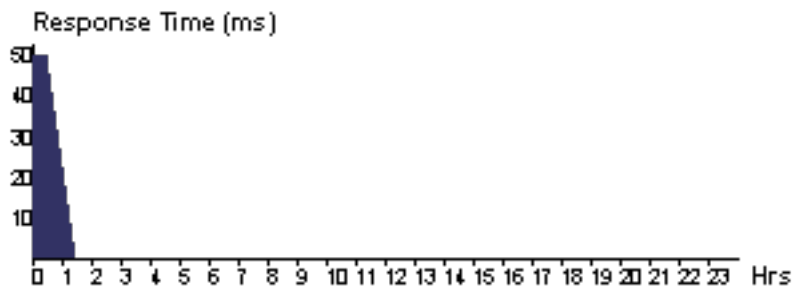
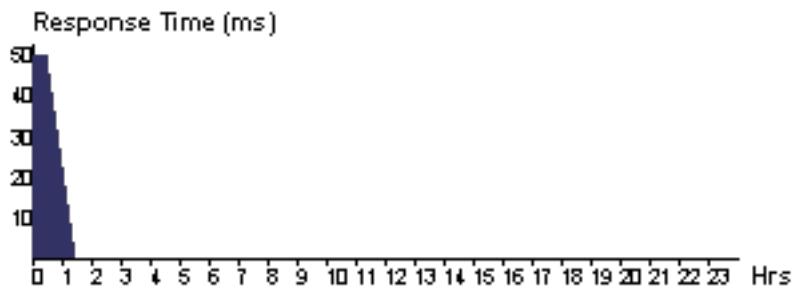


UB174\_643

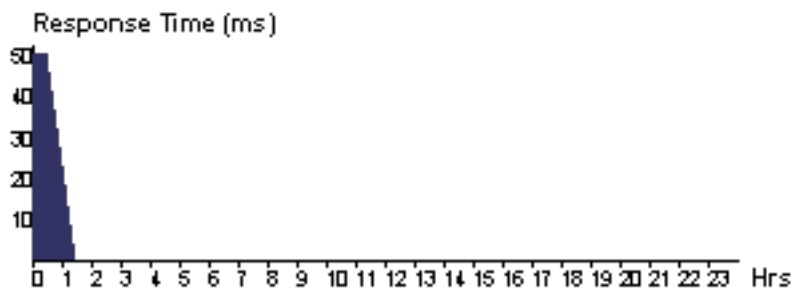


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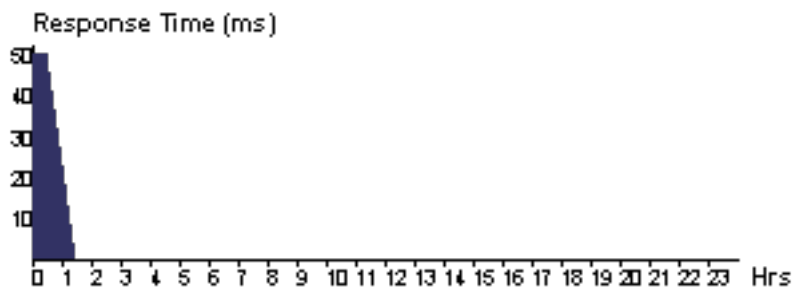
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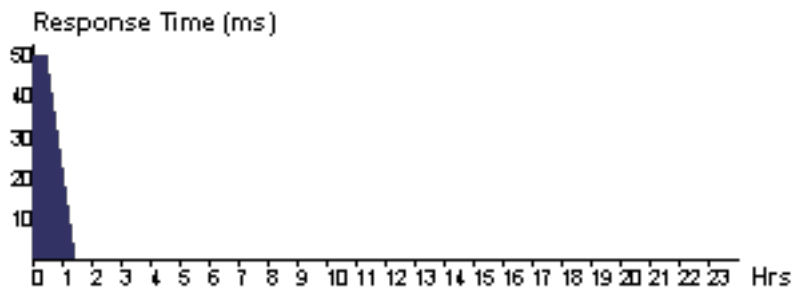
UB177\_643



UB178\_643

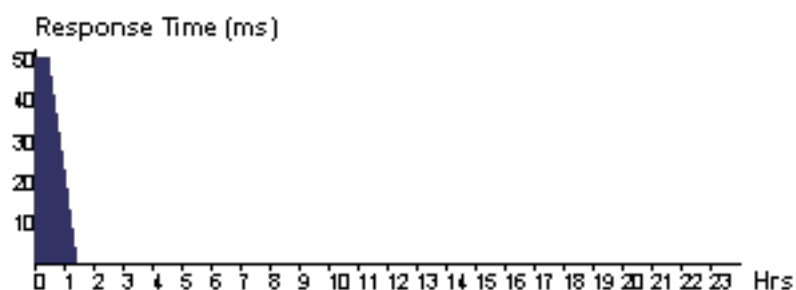
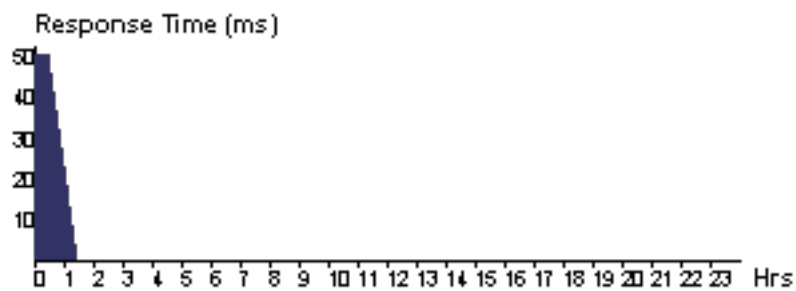


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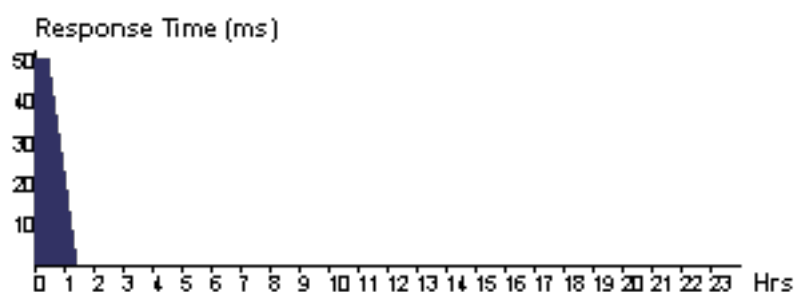


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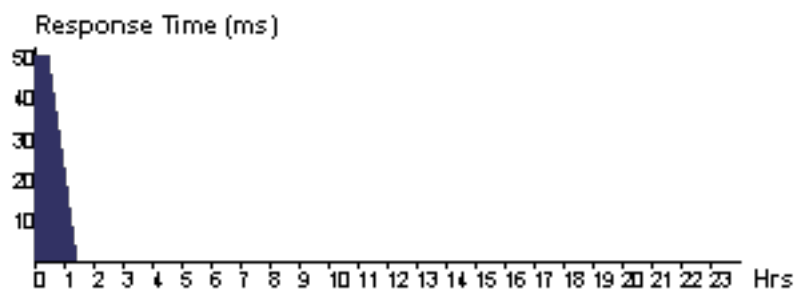
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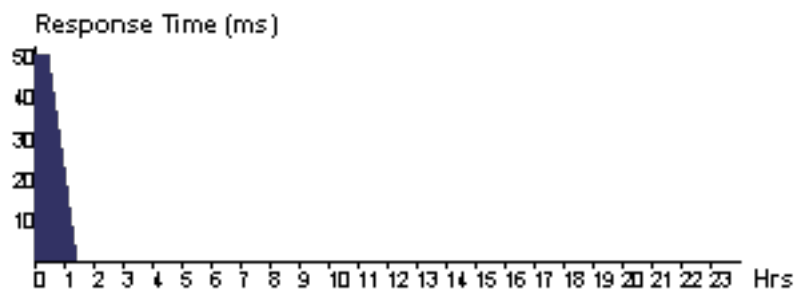
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UB182\_643



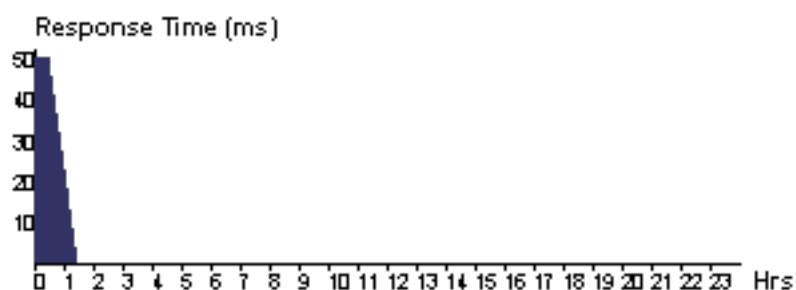
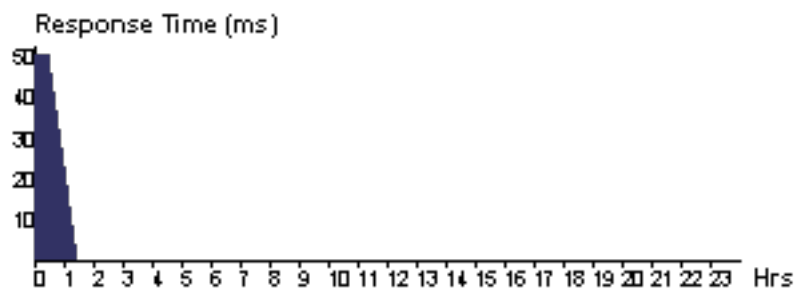
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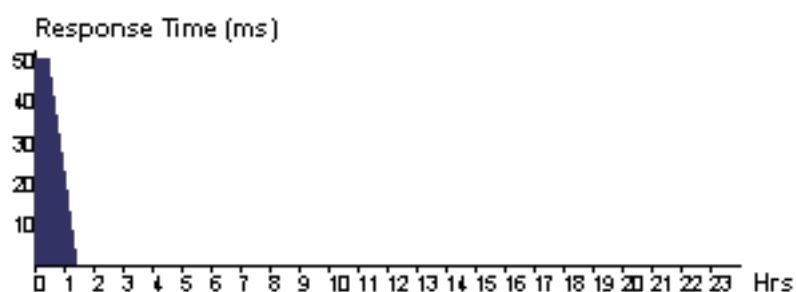
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UB185\_643

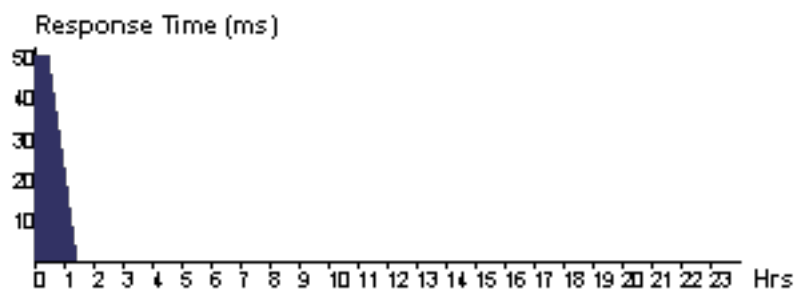




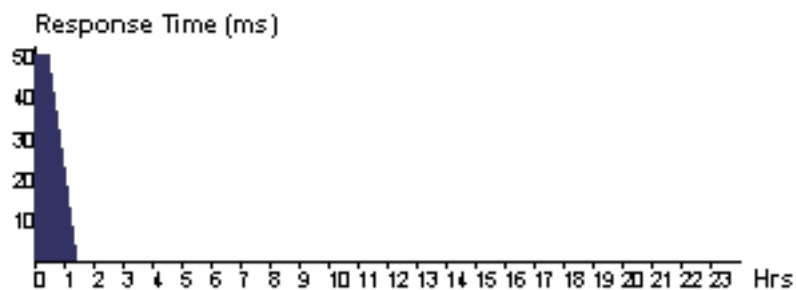
UB186\_643



UB187\_643

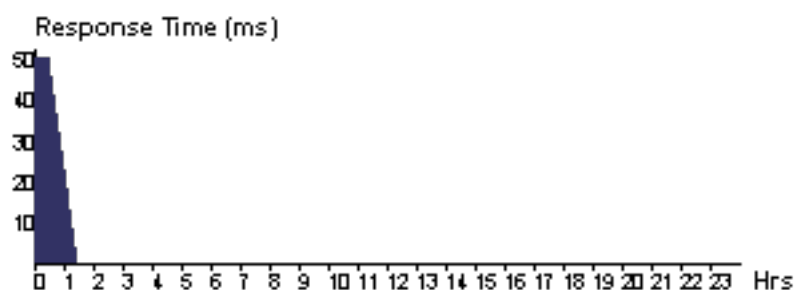
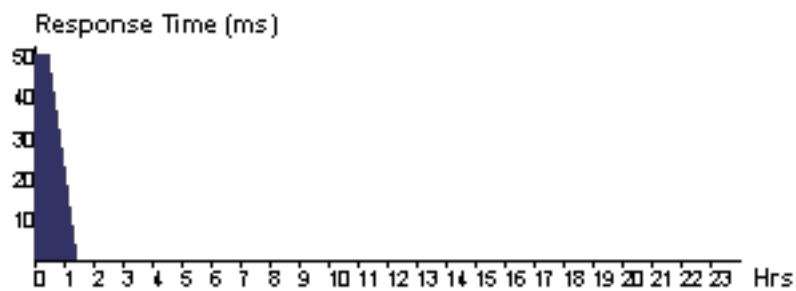


UB188\_643

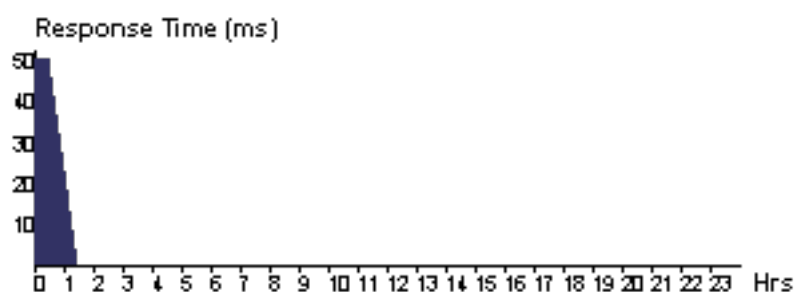


UB189\_643

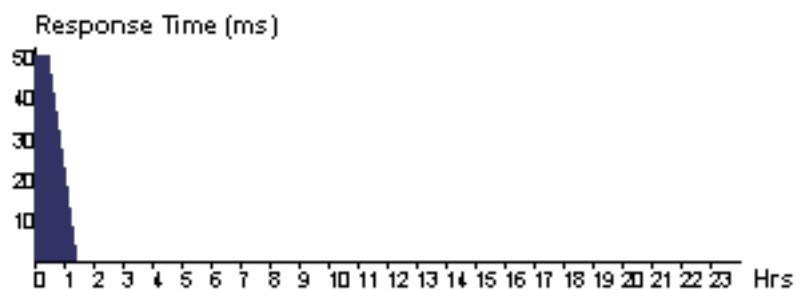
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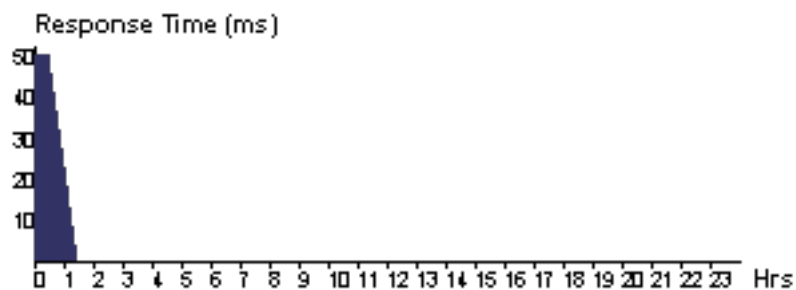
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UB191\_643

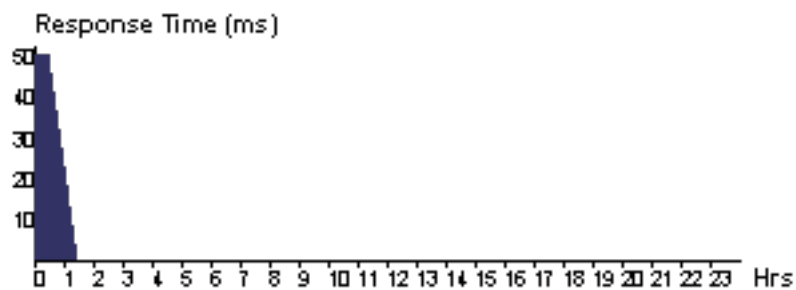
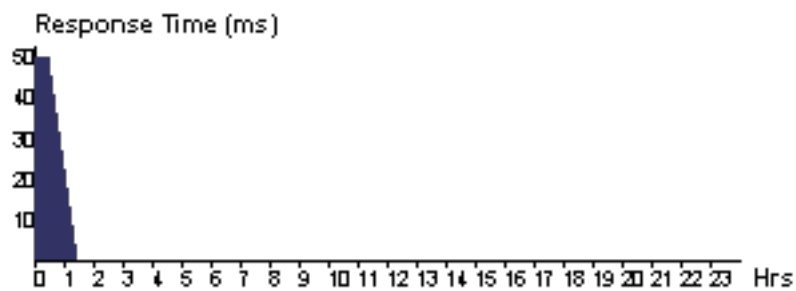


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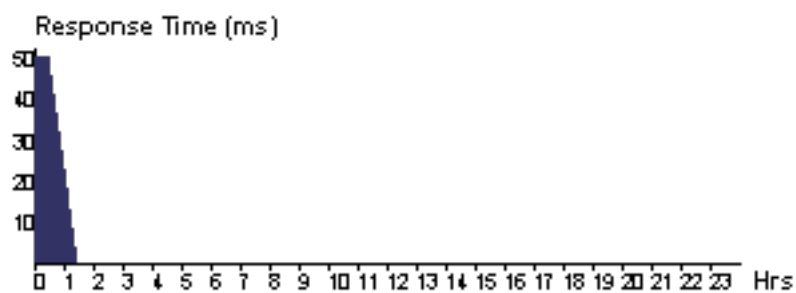


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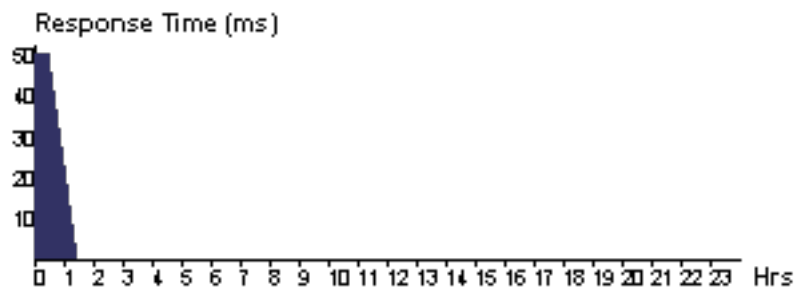
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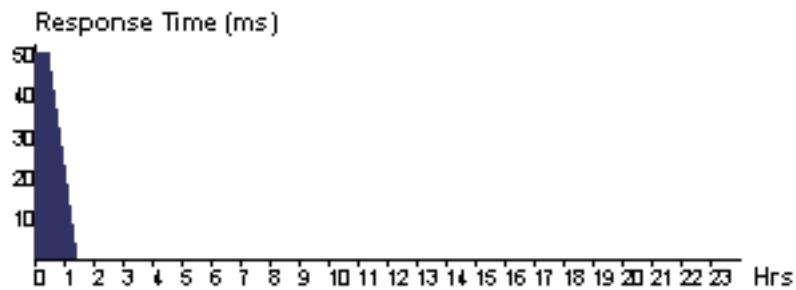
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UB196\_643

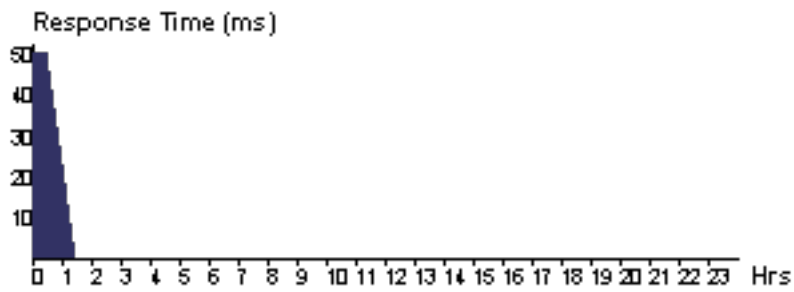
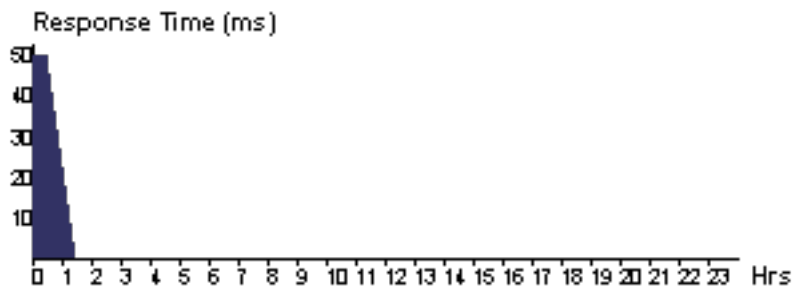


UB197\_643

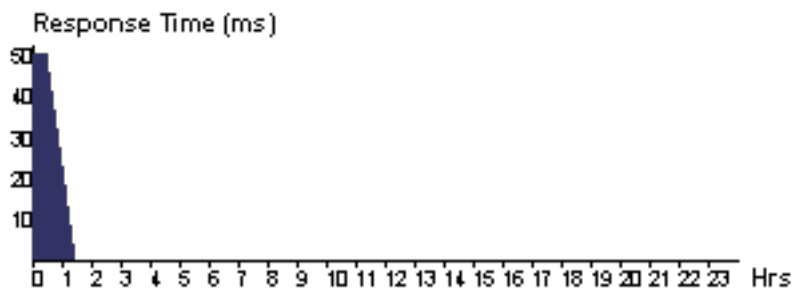


UB198\_643

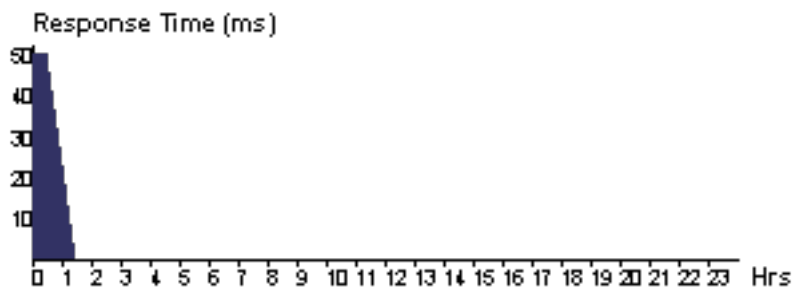
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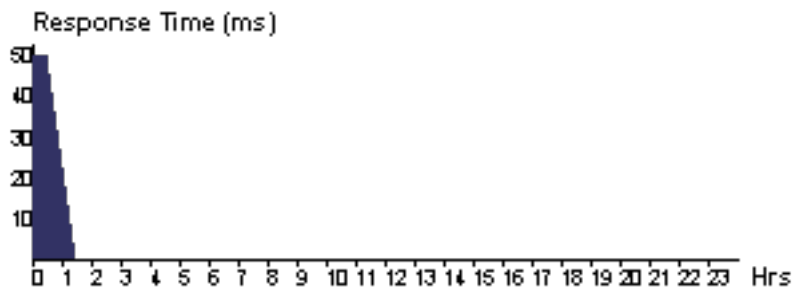
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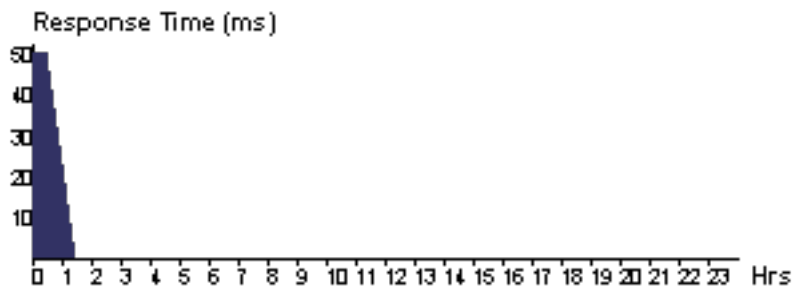
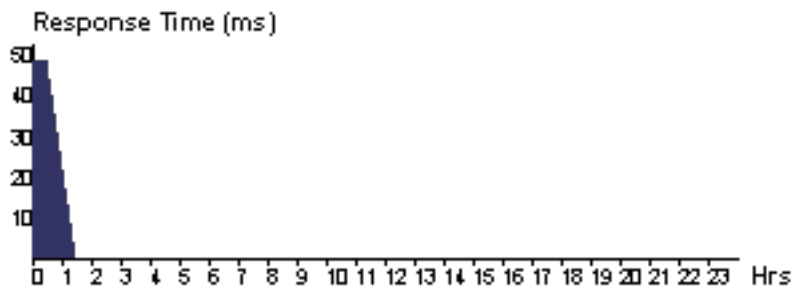


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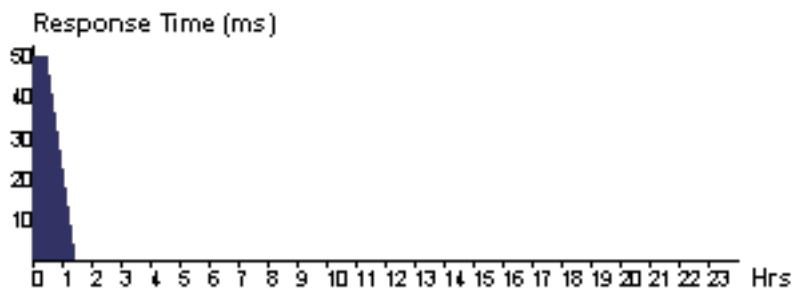


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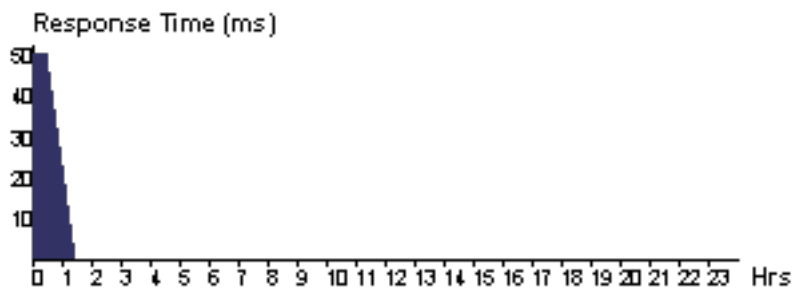
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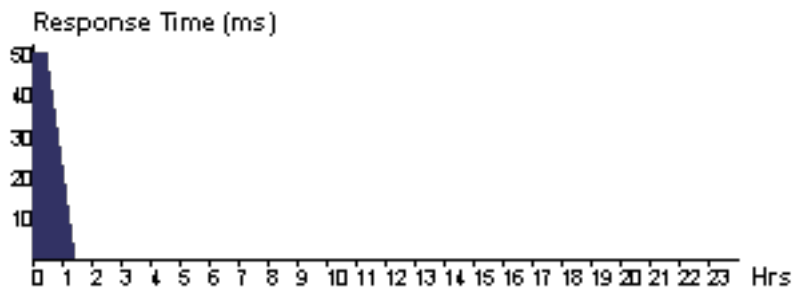
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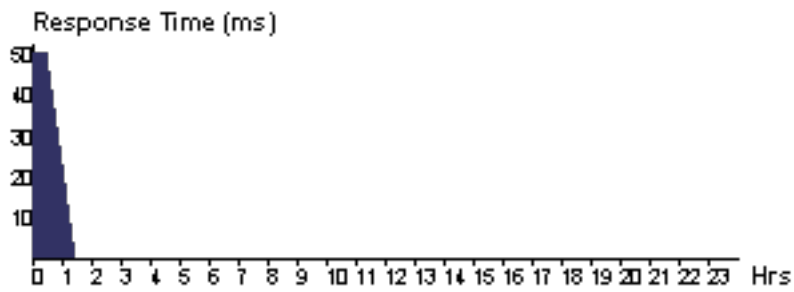
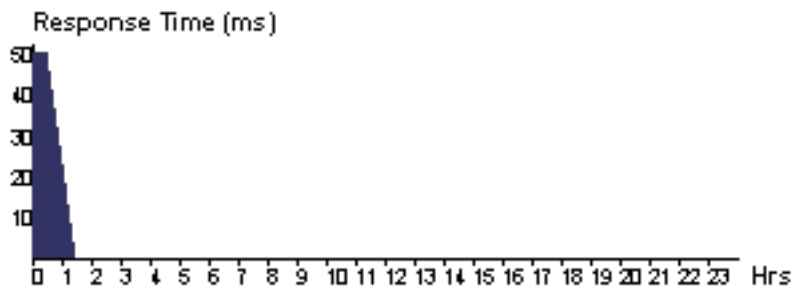


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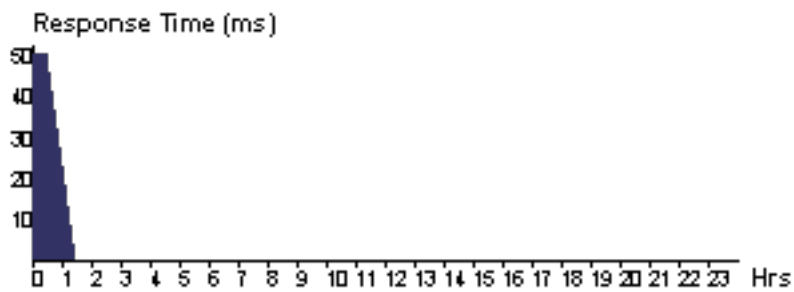


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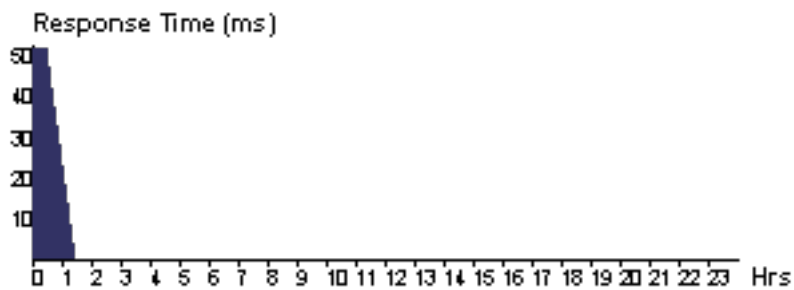
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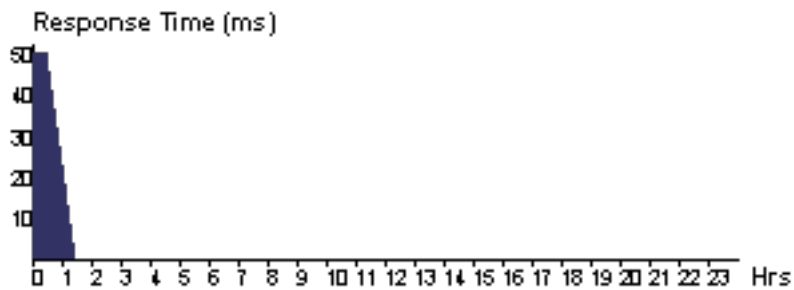
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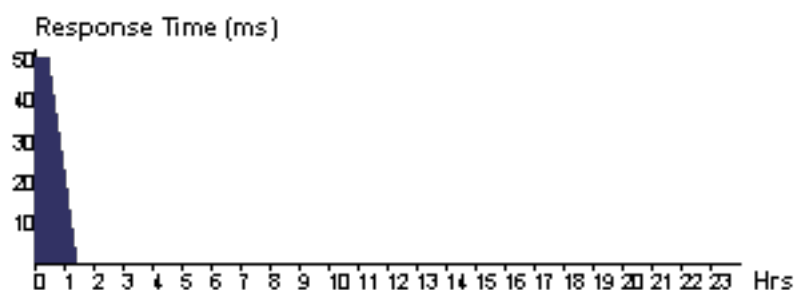
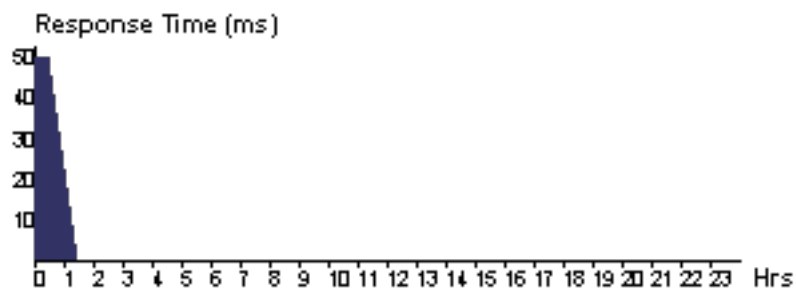


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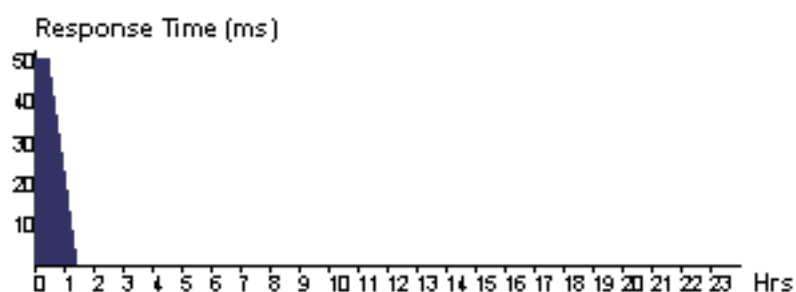


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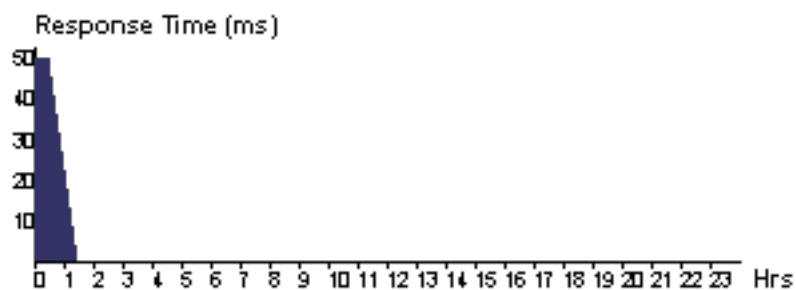
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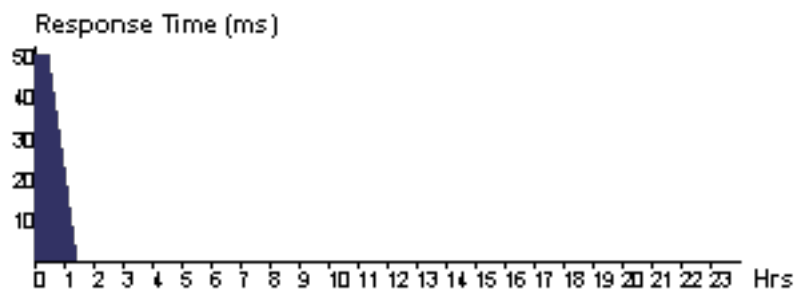
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UB32\_643

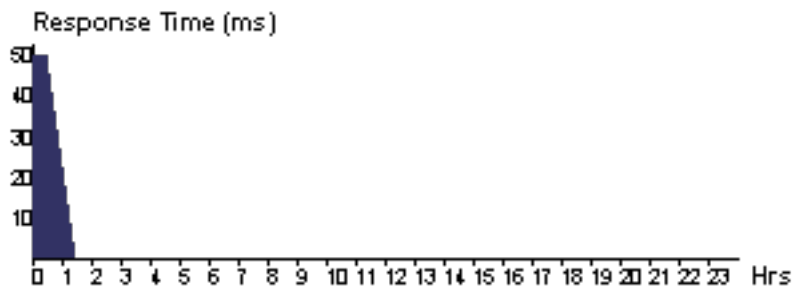
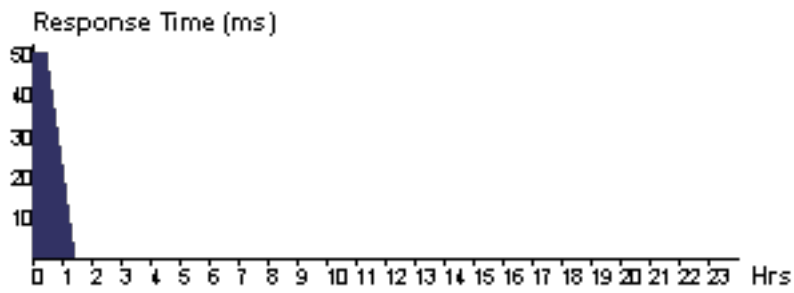


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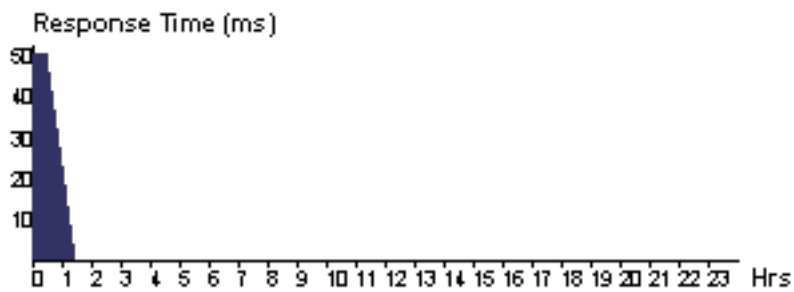


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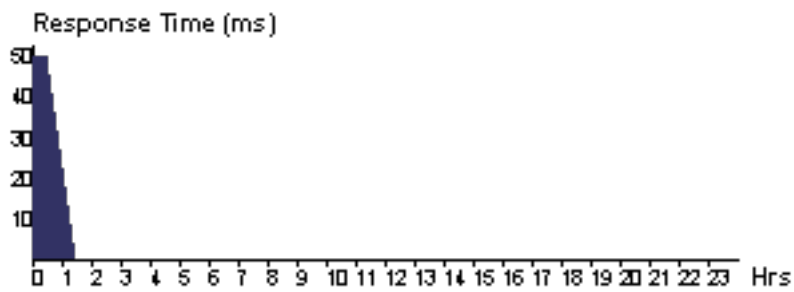
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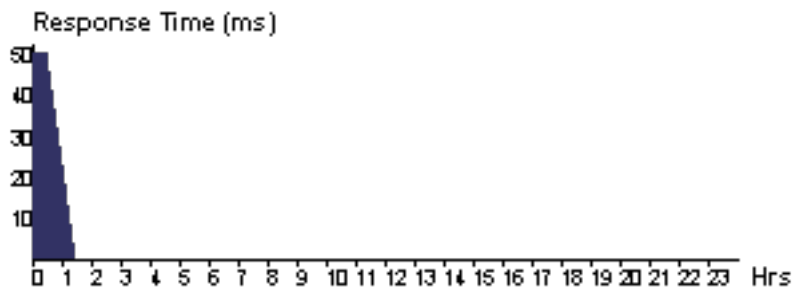
UB36\_643



UB37\_643



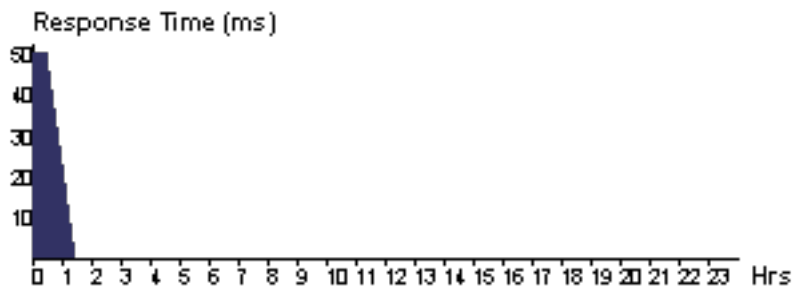
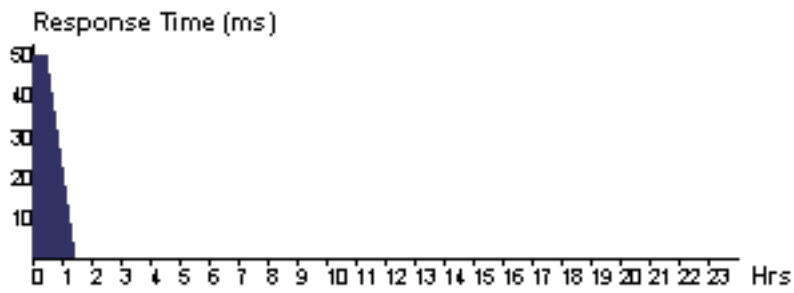
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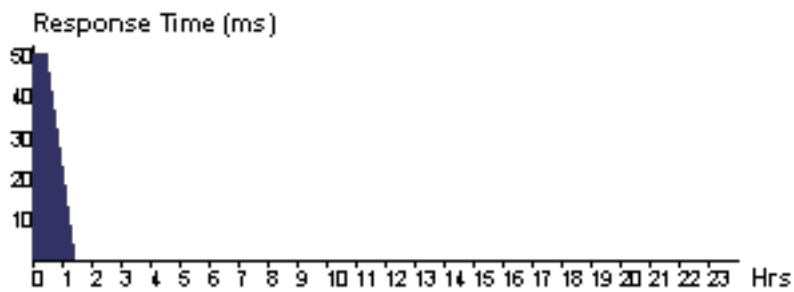
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UB3\_643

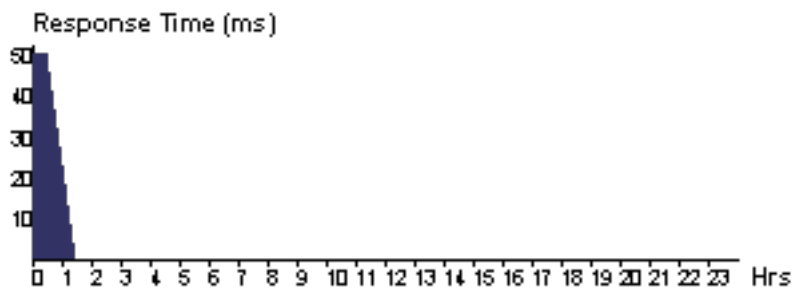




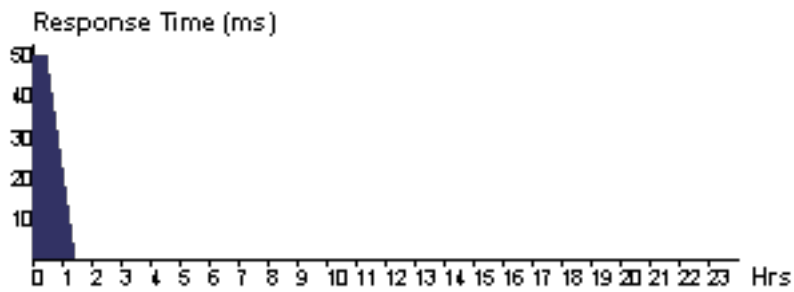
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UB41\_643

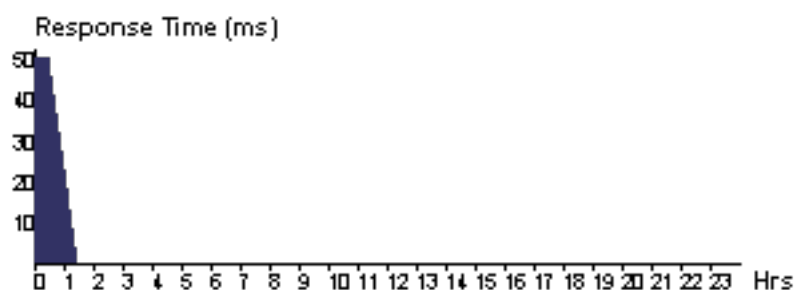
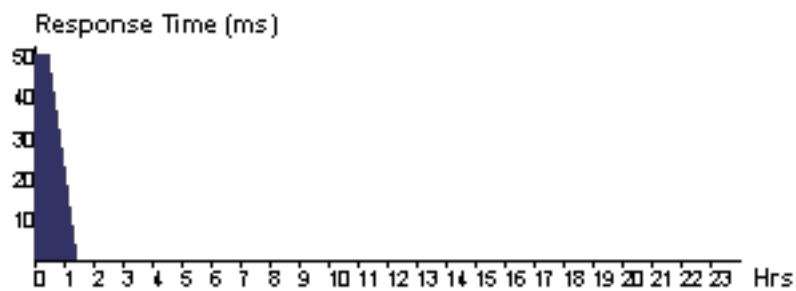


UB42\_643

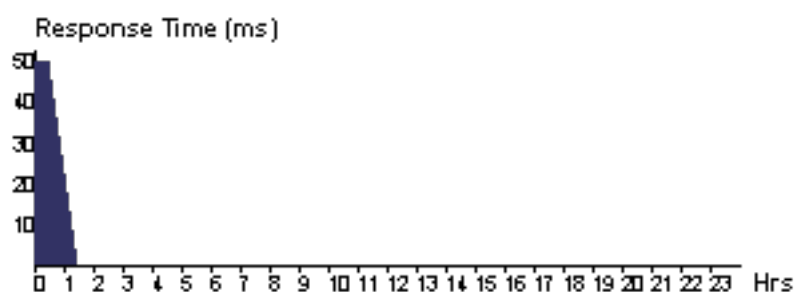


UB43\_643

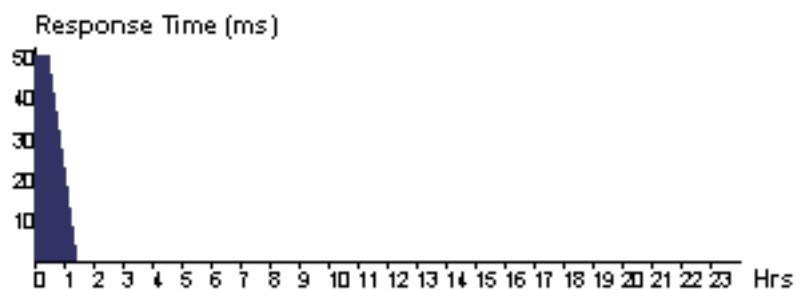
UB44\_643



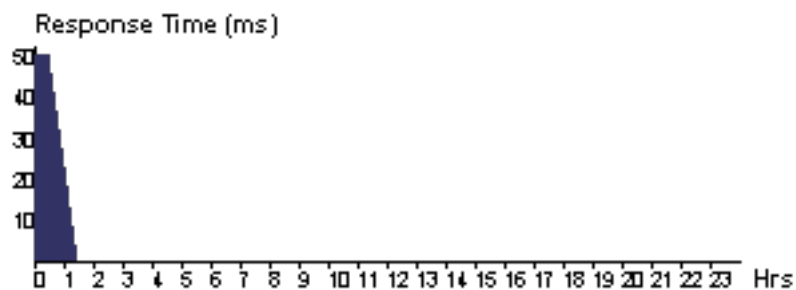
UB45\_643



UB46\_643

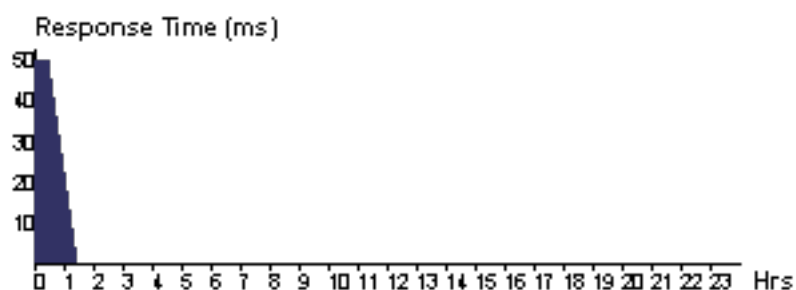
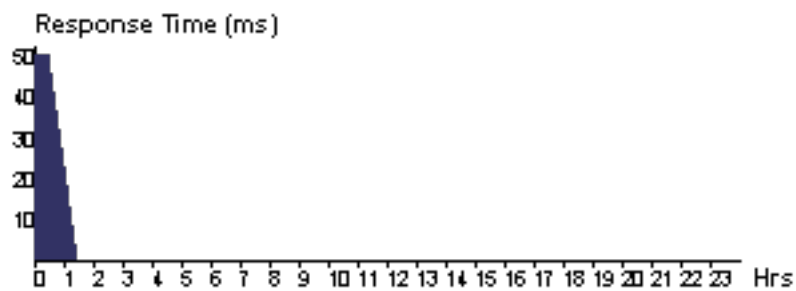


UB47\_643

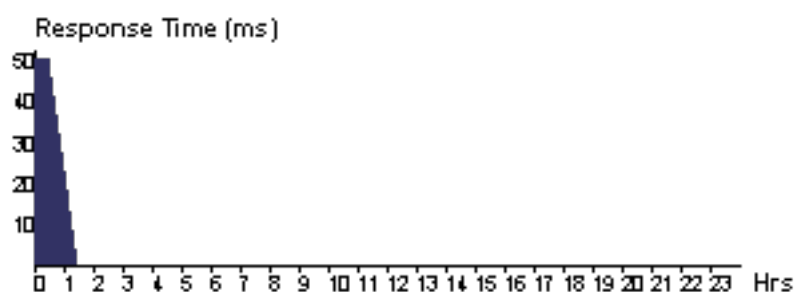


UB48\_643

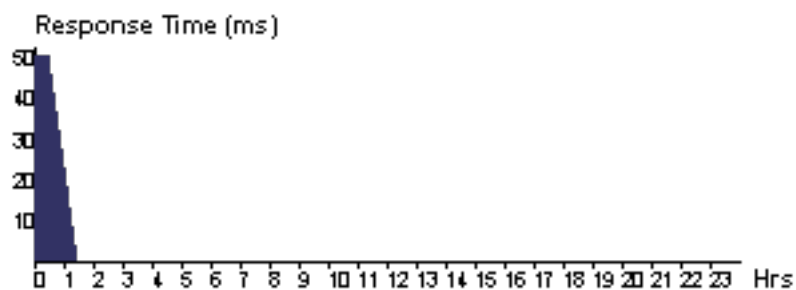
UB49\_643



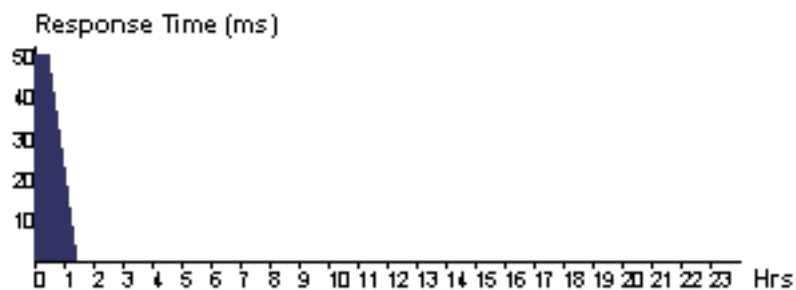
UB4\_643



UB50\_643

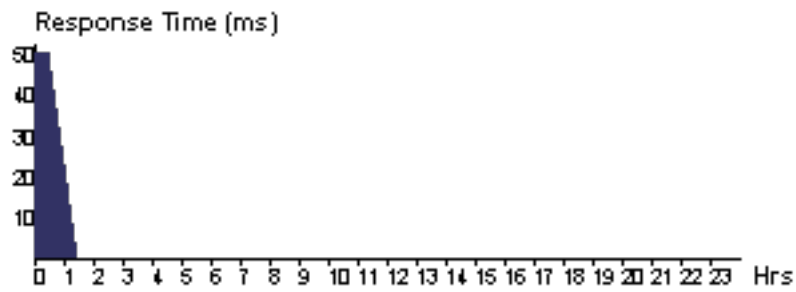
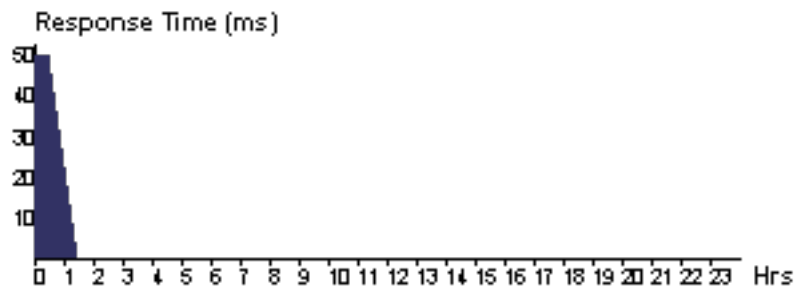


UB51\_643

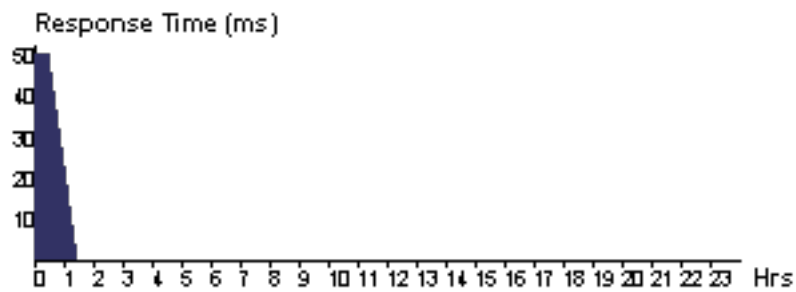


UB52\_643

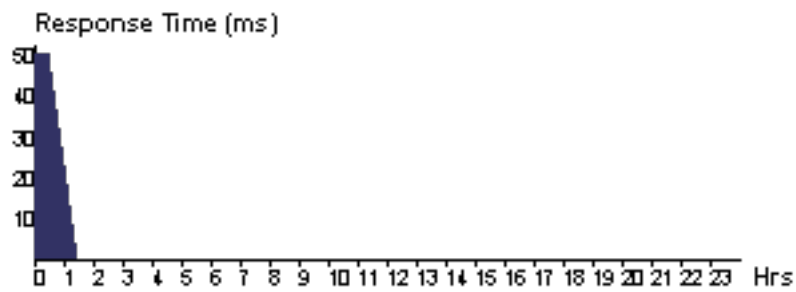
UB53\_643



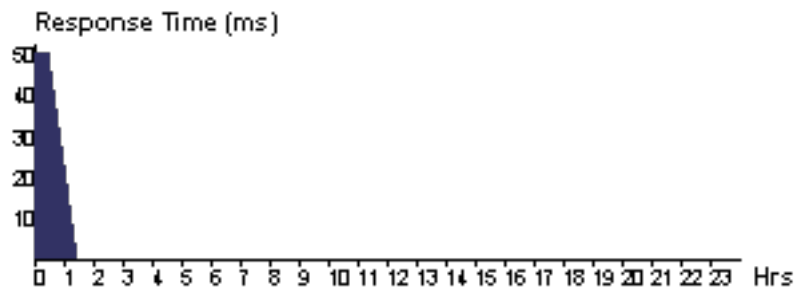
UB54\_643



UB55\_643

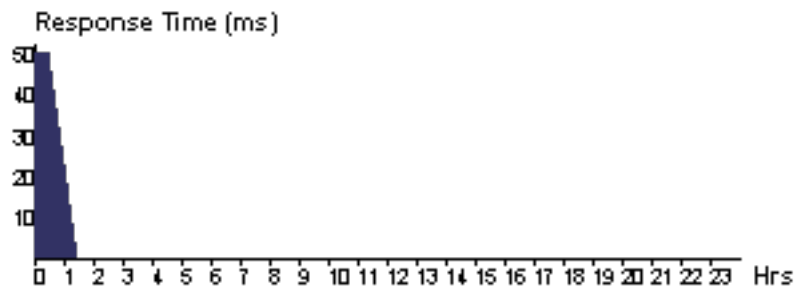
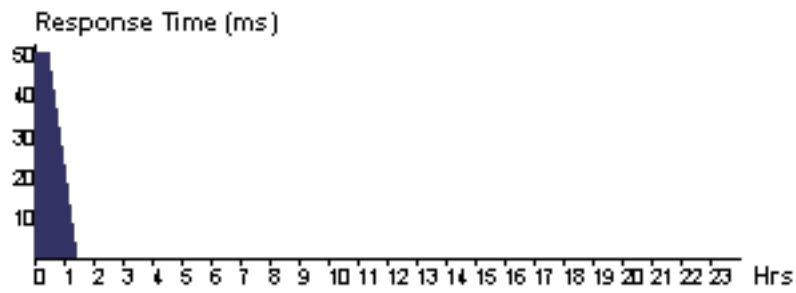


UB56\_643

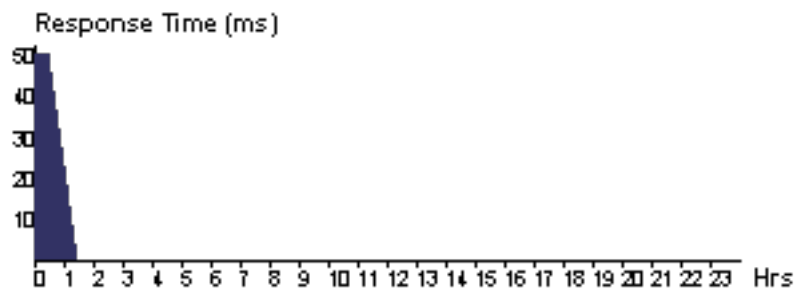


UB57\_643

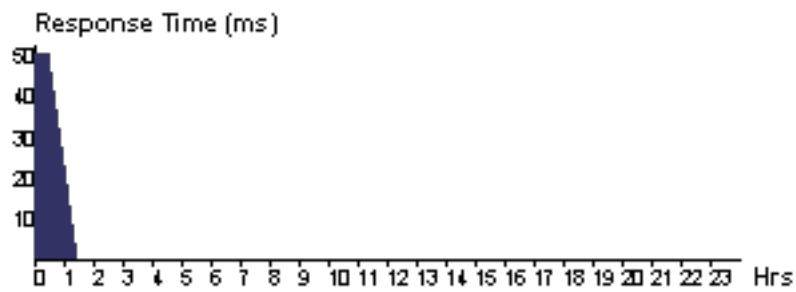
UB58\_643



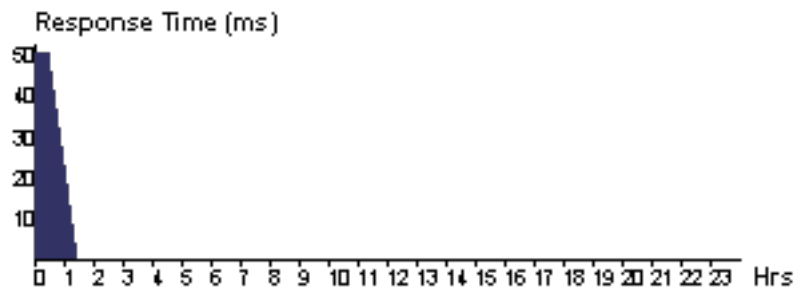
UB59\_643



UB5\_643

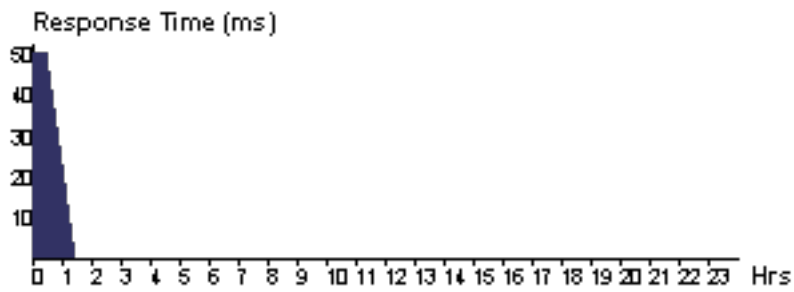
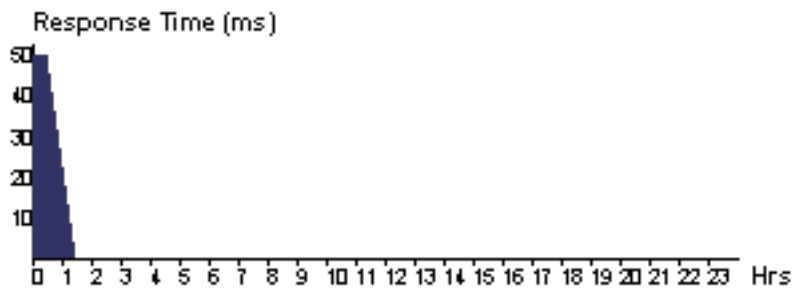


UB60\_643

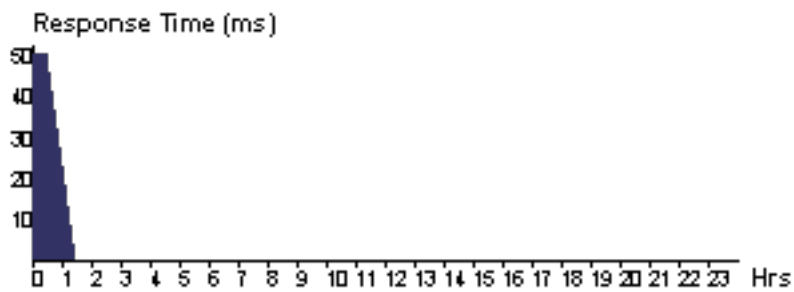


UB61\_643

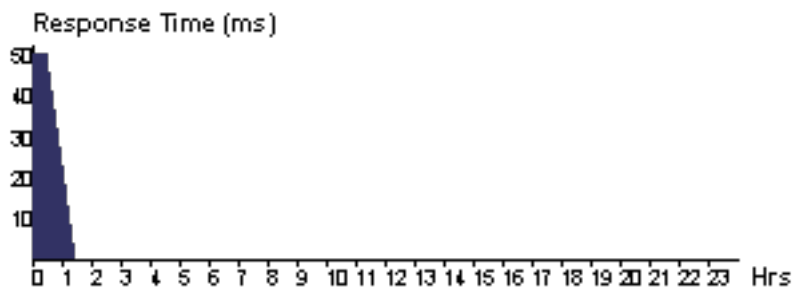
UB62\_643



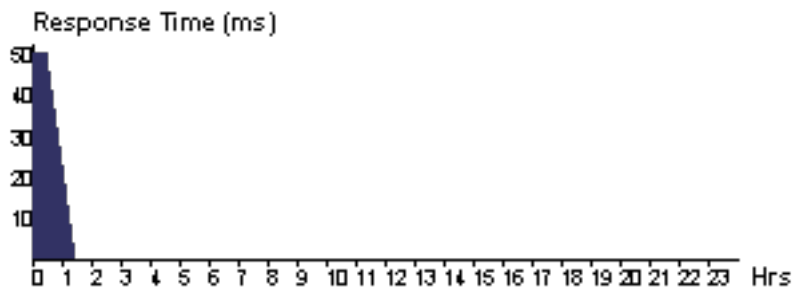
UB63\_643



UB64\_643

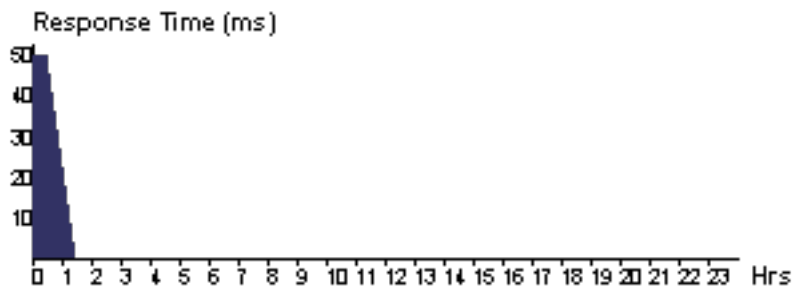
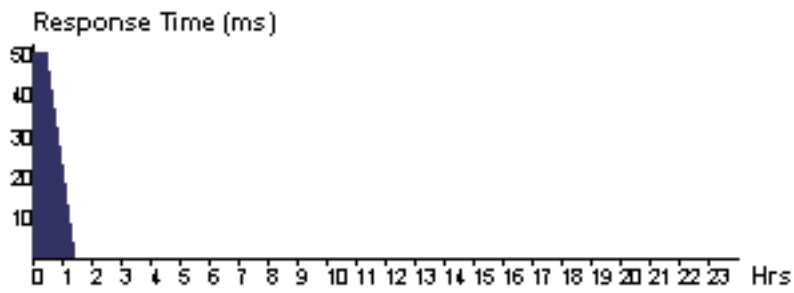


UB65\_643

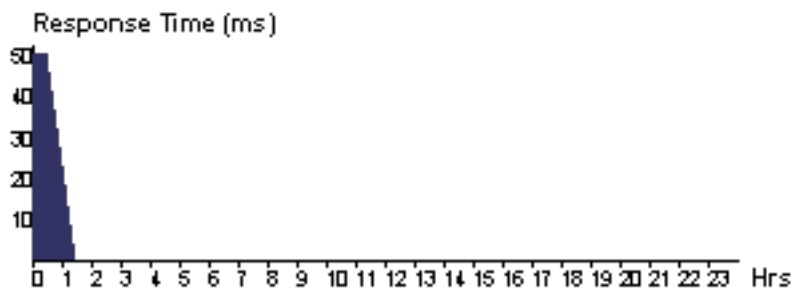


UB66\_643

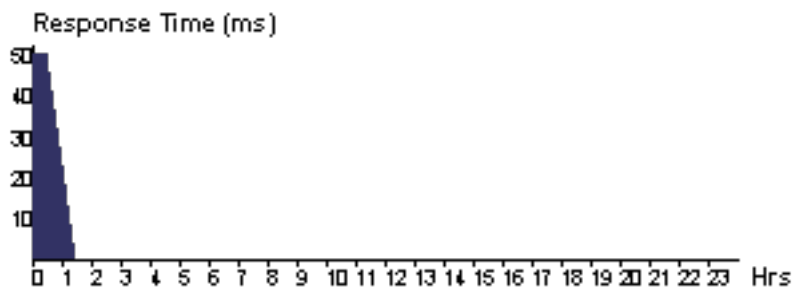
UB67\_643



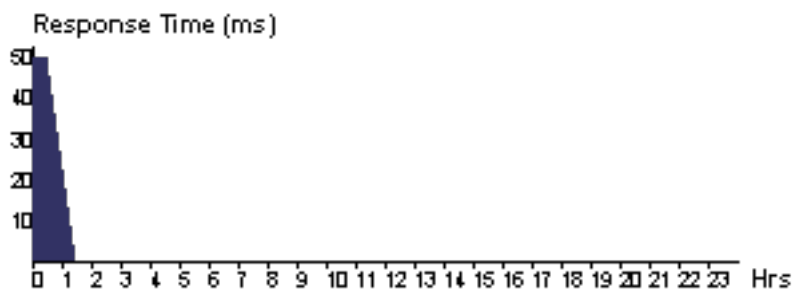
UB68\_643



UB69\_643

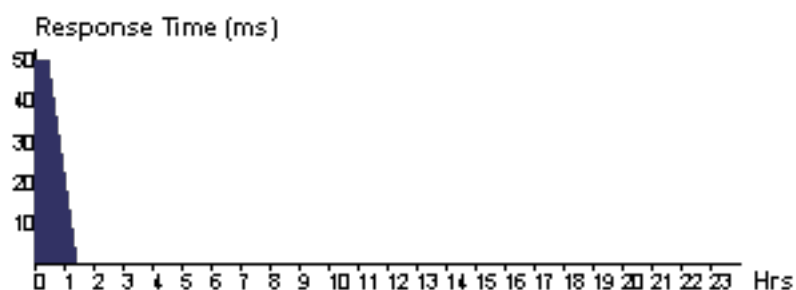
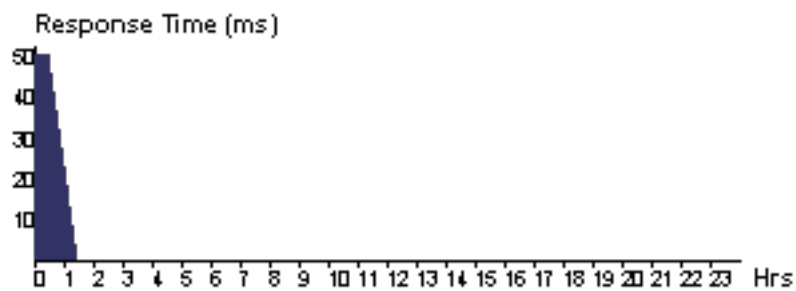


UB6\_643

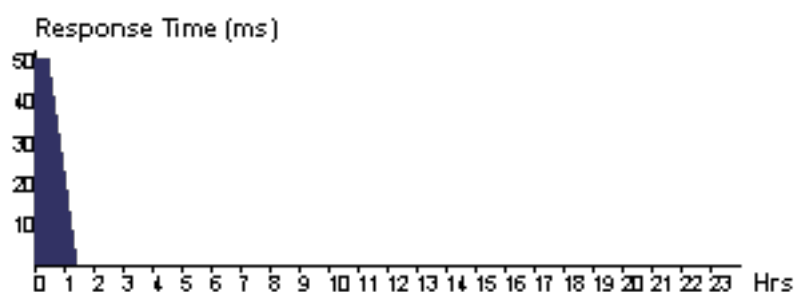


UB70\_643

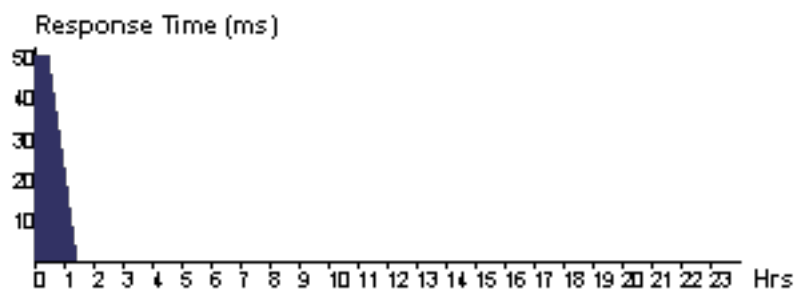
UB71\_643



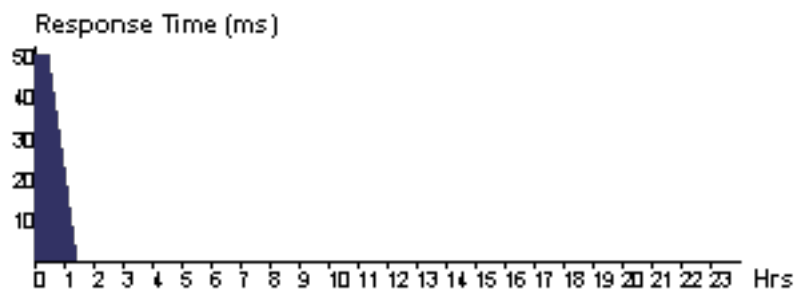
UB72\_643



UB73\_643



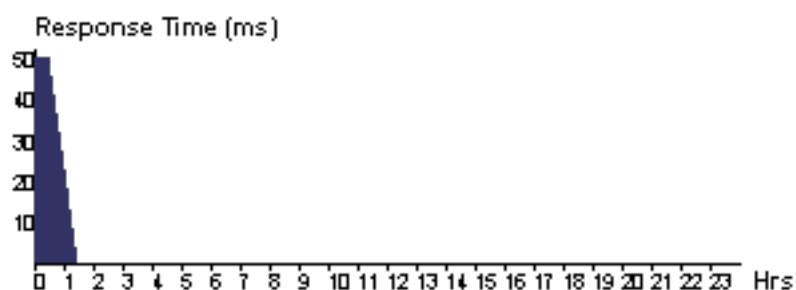
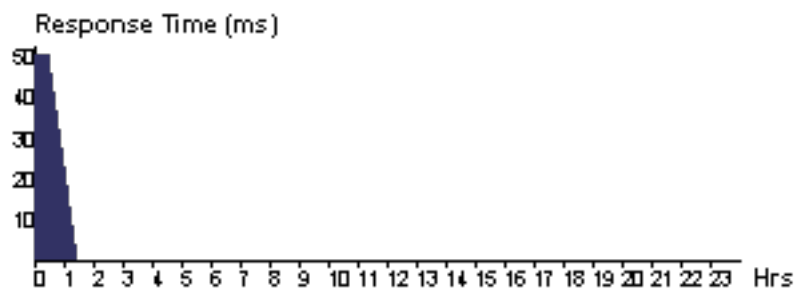
UB74\_643



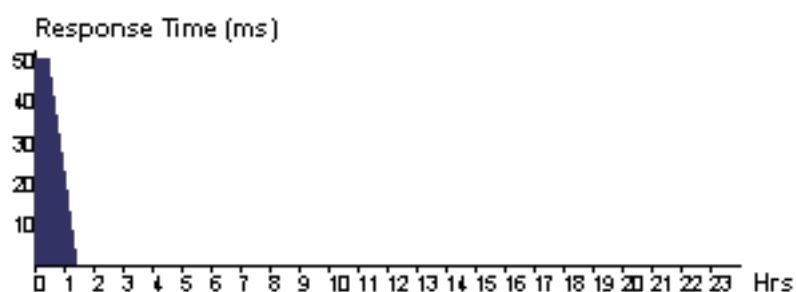
UB75\_643

UB76\_643

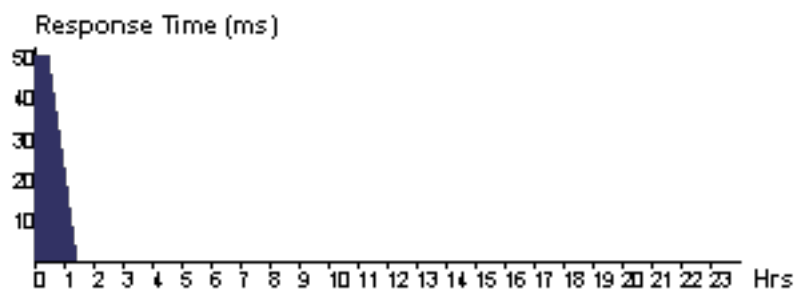




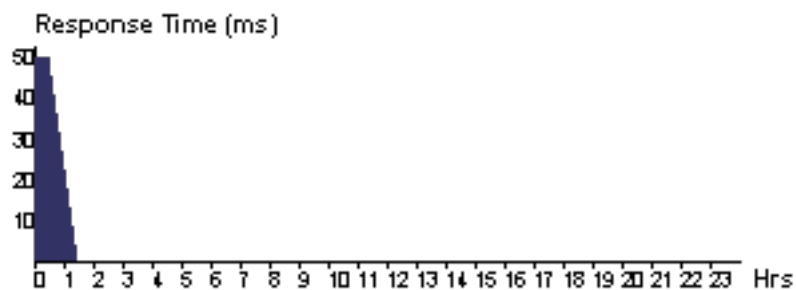
UB77\_643



UB78\_643

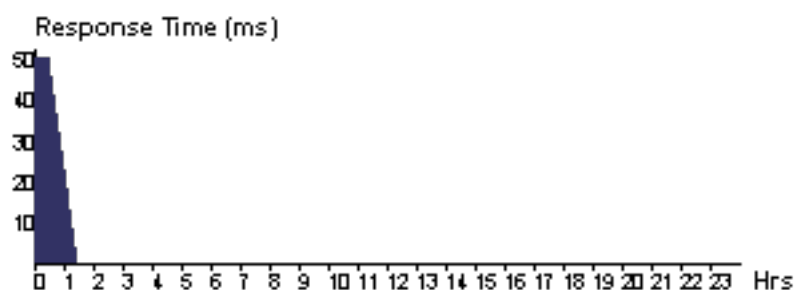
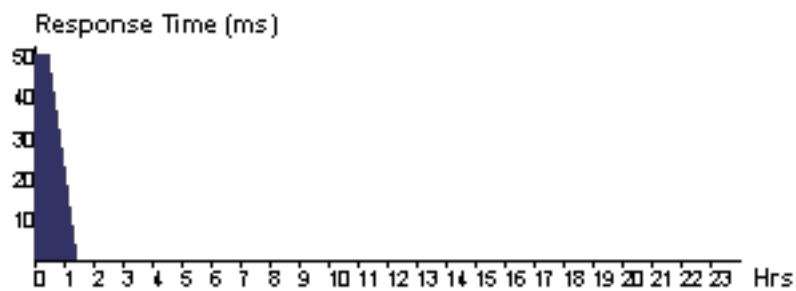


UB79\_643

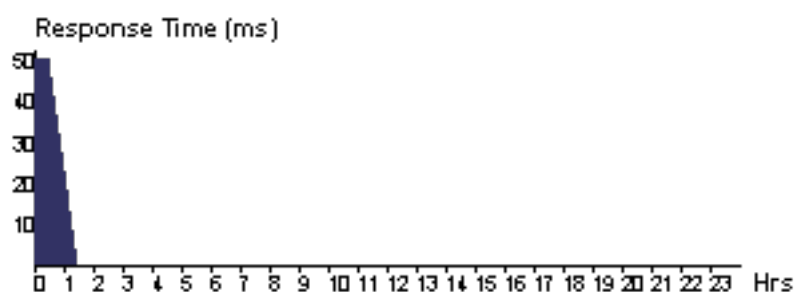


UB7\_643

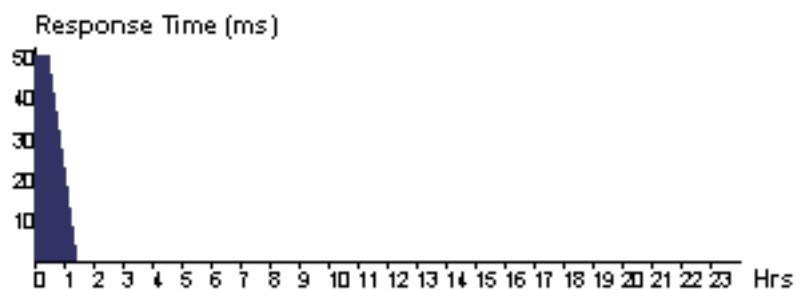
UB80\_643



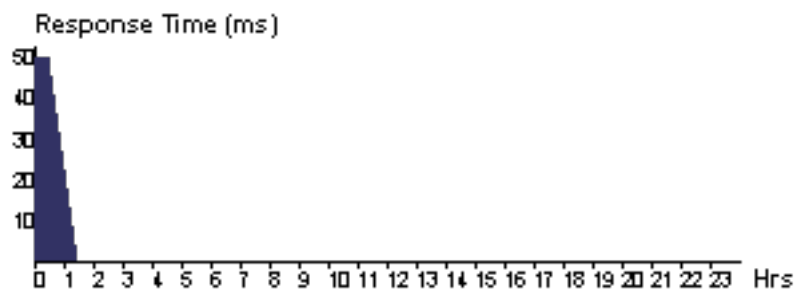
UB81\_643



UB82\_643

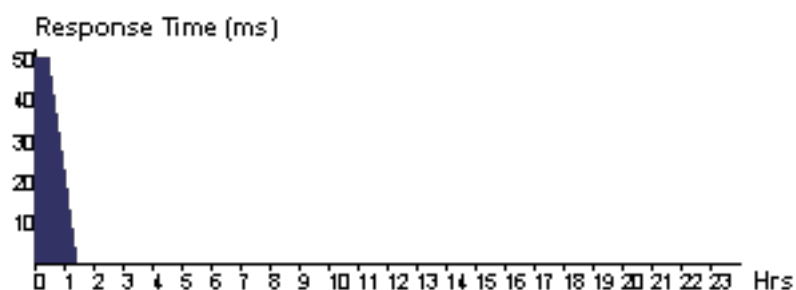
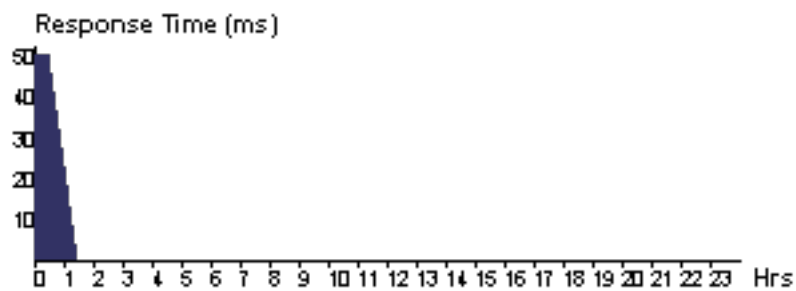


UB83\_643

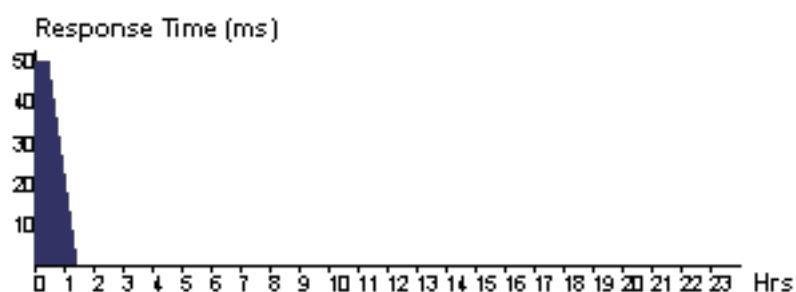


UB84\_643

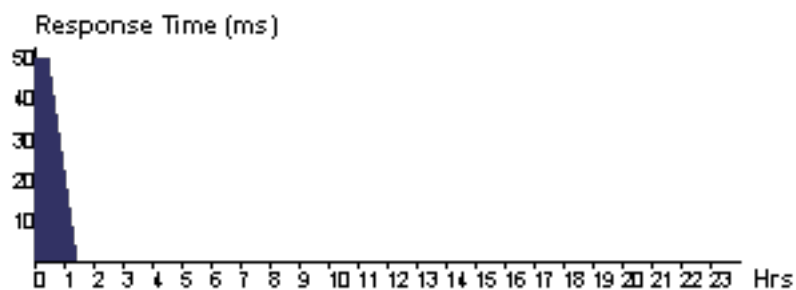
UB85\_643



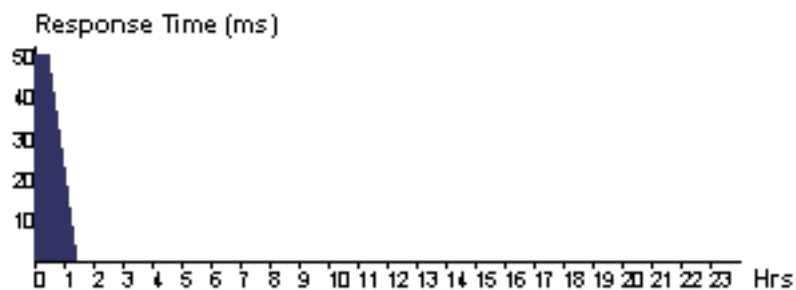
UB86\_643



UB87\_643

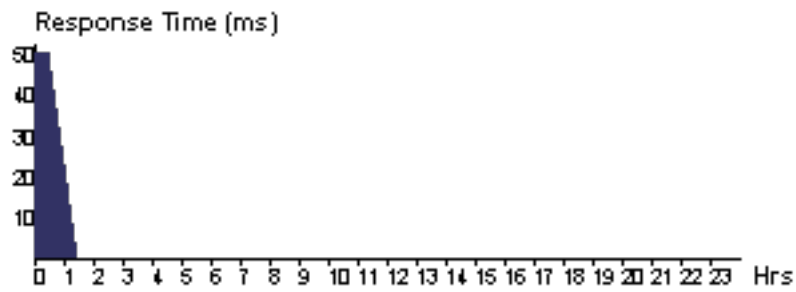
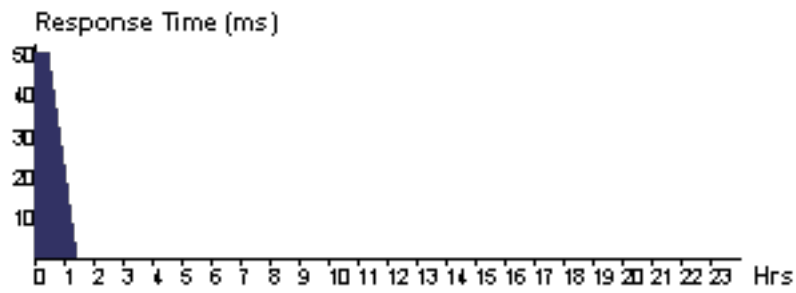


UB88\_643

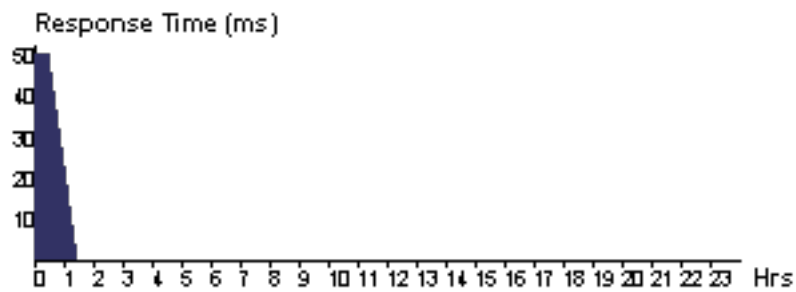


UB89\_643

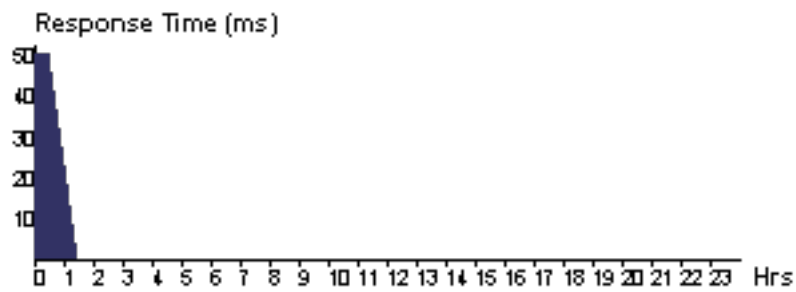
UB8\_643



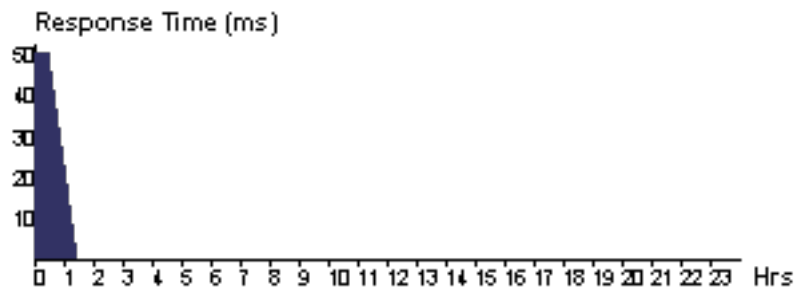
UB90\_643



UB91\_643

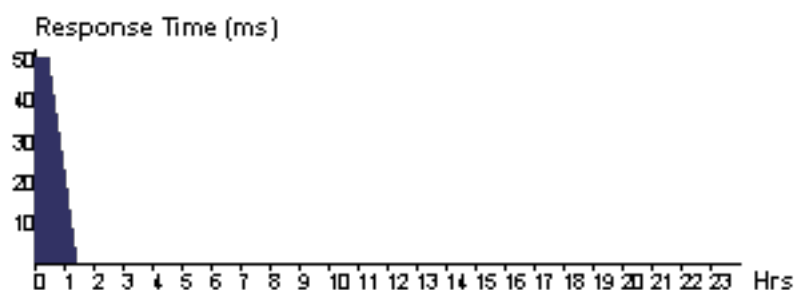
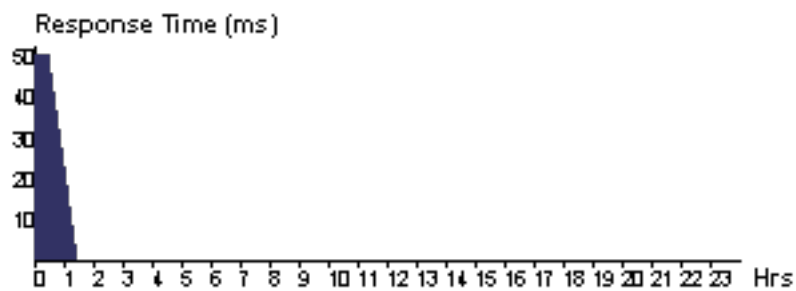


UB92\_643

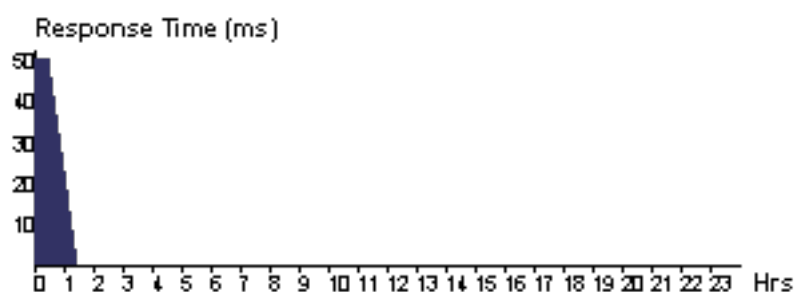


UB93\_643

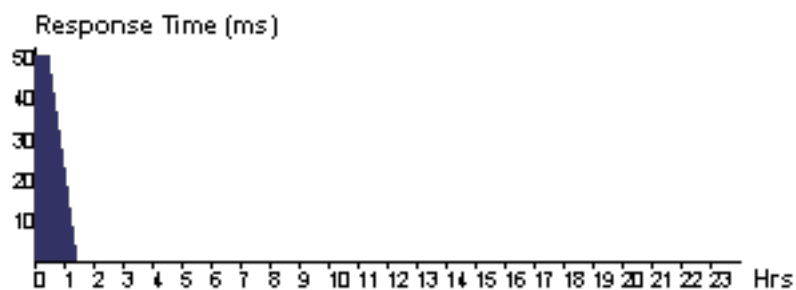
UB94\_643



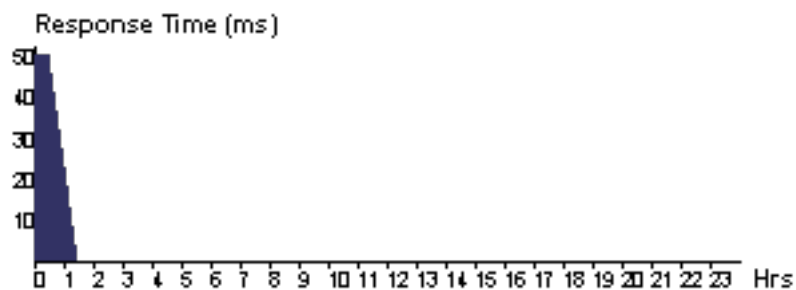
UB95\_643



UB96\_643

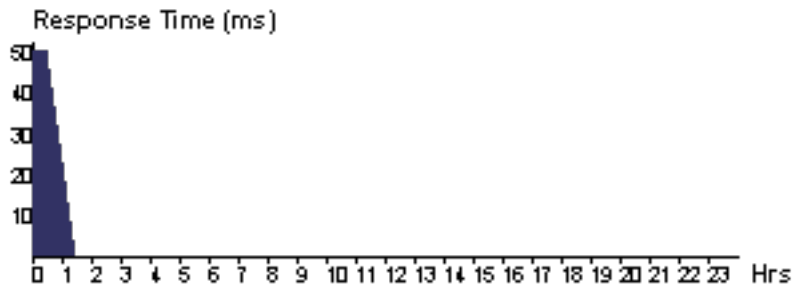
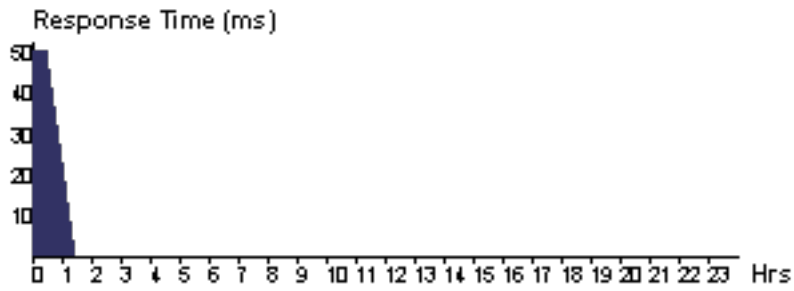


UB97\_643

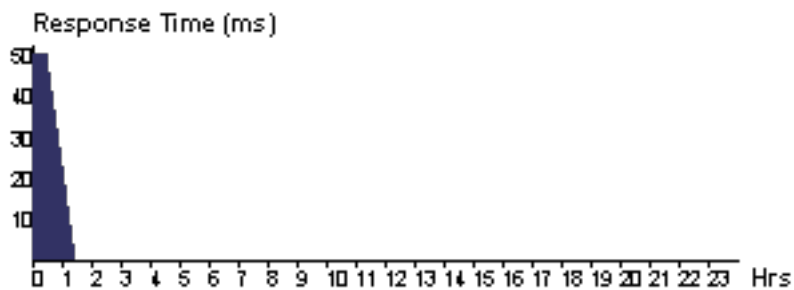


UB98\_643

UB99\_643



UB9\_643



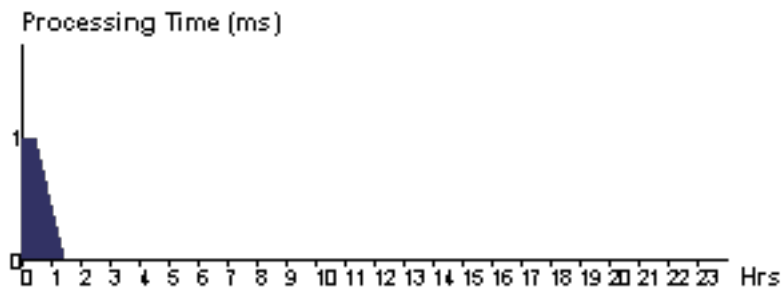
## Data Center Request Servicing Times

Data Center	Avg (ms)	Min (ms)	Max (ms)
DC10_643	1.66	0.02	3.83
DC11_643	1.66	0.02	3.74
DC12_643	1.66	0.04	2.82
DC13_643	1.65	0.02	2.65
DC14_643	1.65	0.02	4.02
DC15_643	1.62	0.02	2.78
DC16_643	1.67	0.04	2.72
DC17_643	1.68	0.02	2.64
DC18_643	1.65	0.02	2.66
DC19_643	1.68	0.02	2.83
DC1_643	1.38	0.02	2.30
DC20_643	1.66	0.04	2.72
DC2_643	1.65	0.02	2.78
DC3_643	1.63	0.02	2.85
DC4_643	1.75	0.05	4.36

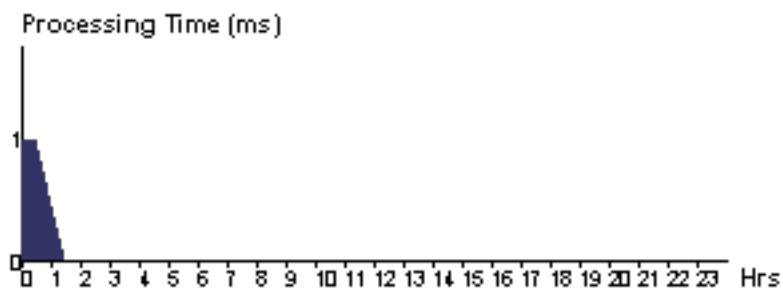
DC5_643	1.66	0.02	2.77
DC6_643	1.67	0.02	4.87
DC7_643	1.66	0.02	2.70
DC8_643	1.68	0.04	3.81
DC9_643	1.68	0.02	2.76

## Data Center Hourly Average Processing Times

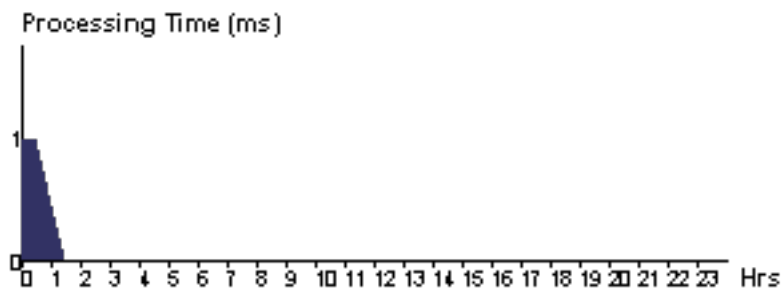
### DC10\_643



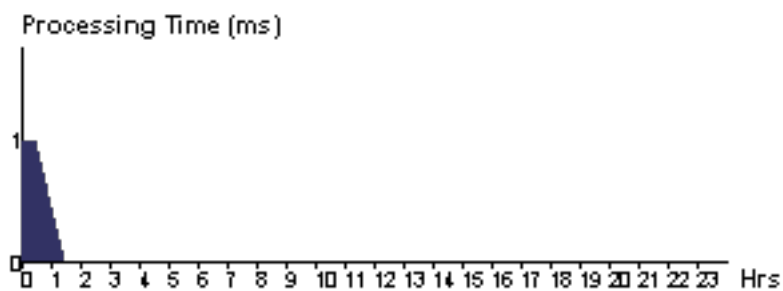
### DC11\_643



### DC12\_643

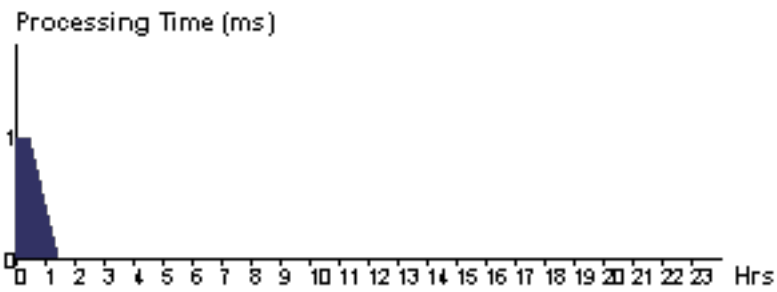
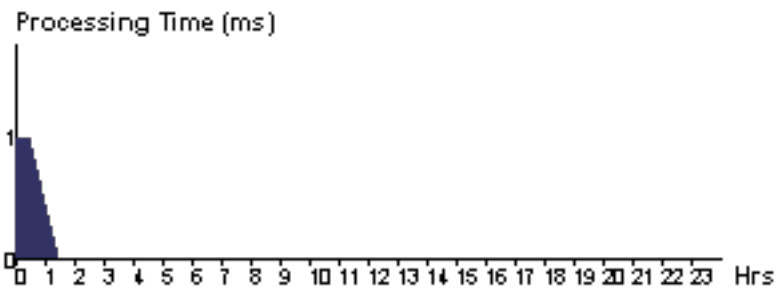


### DC13\_643

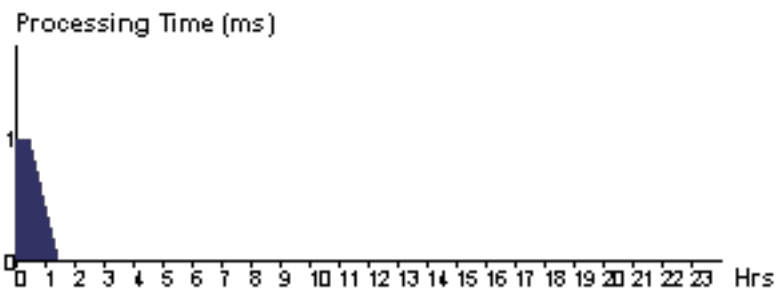


### DC14\_643

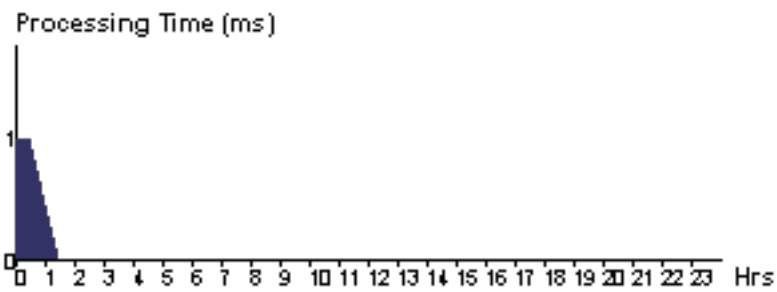
### DC15\_643



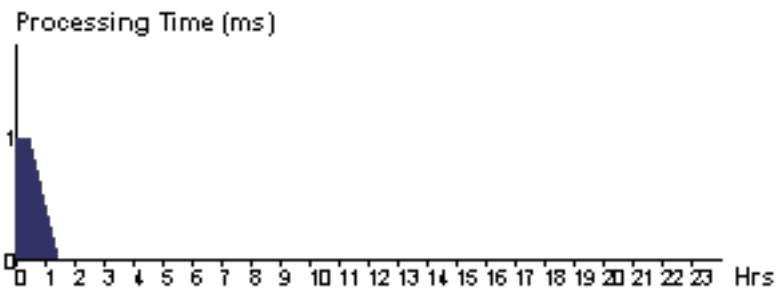
DC16\_643



DC17\_643



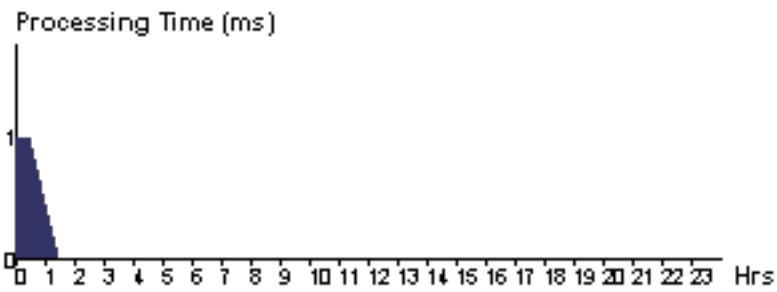
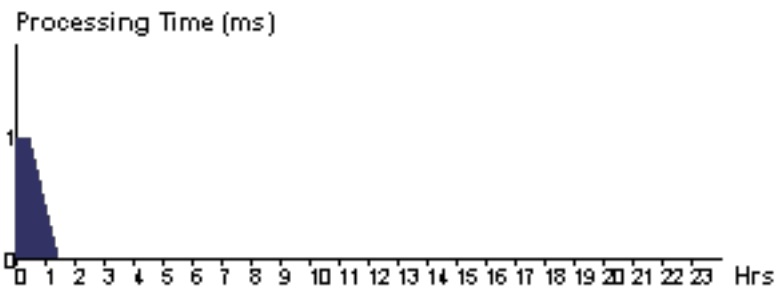
DC18\_643



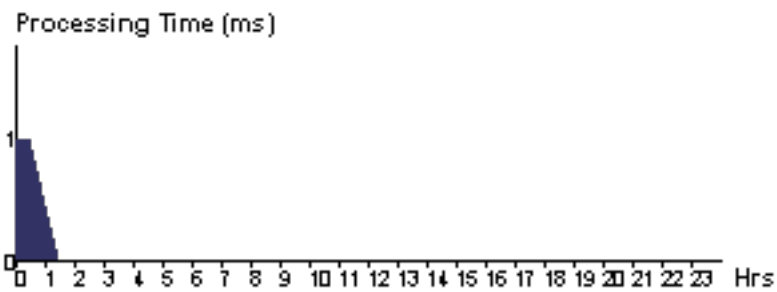
DC19\_643

DC1\_643

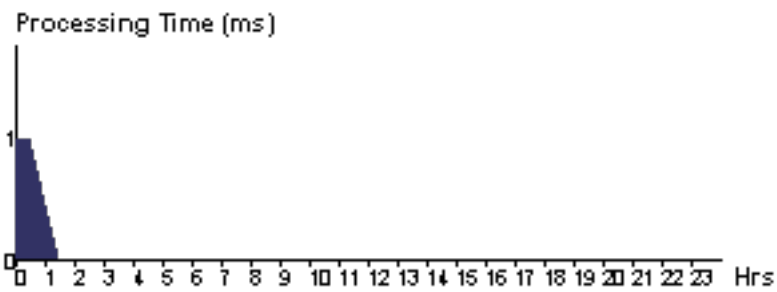




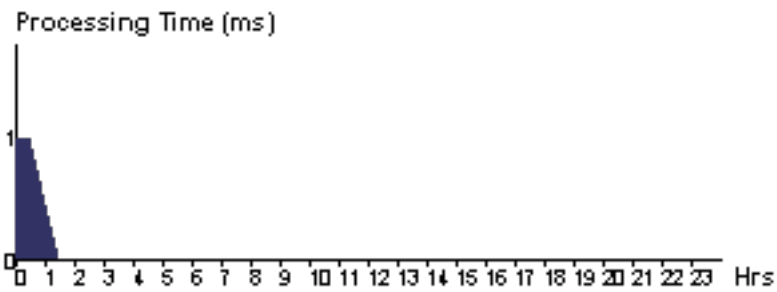
DC20\_643



DC2\_643

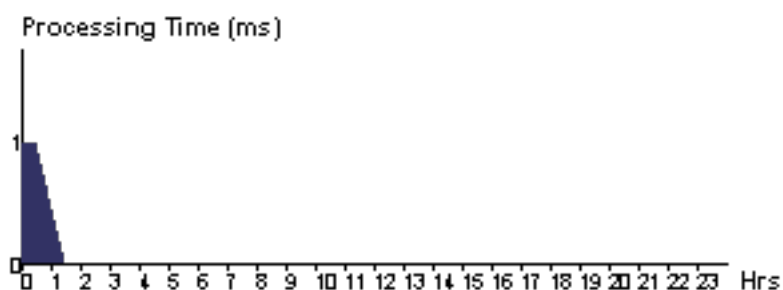
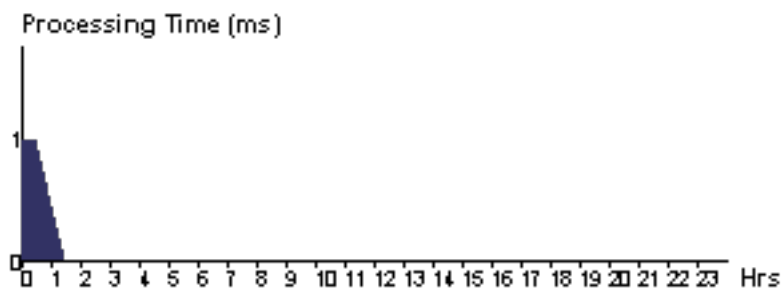


DC3\_643

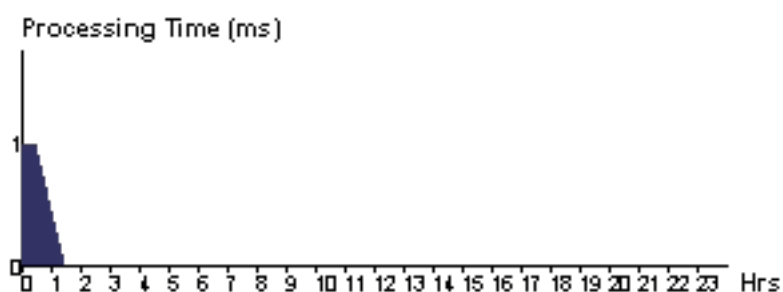


DC4\_643

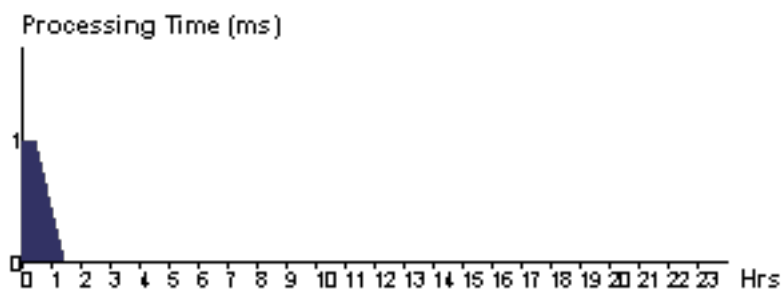
DC5\_643



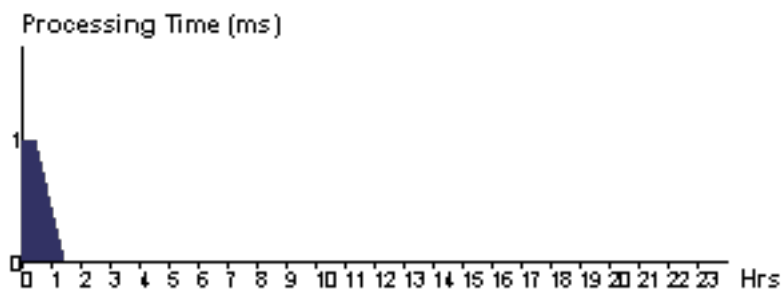
DC6\_643



DC7\_643



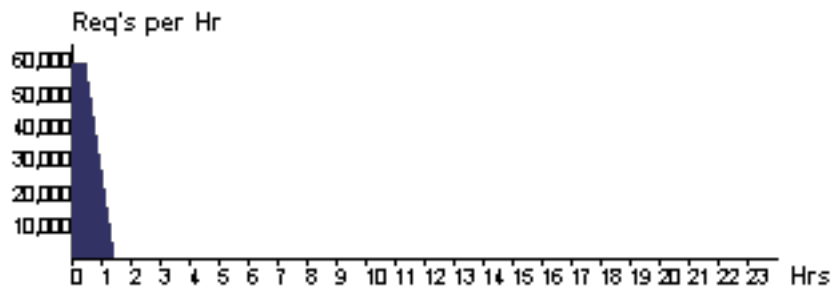
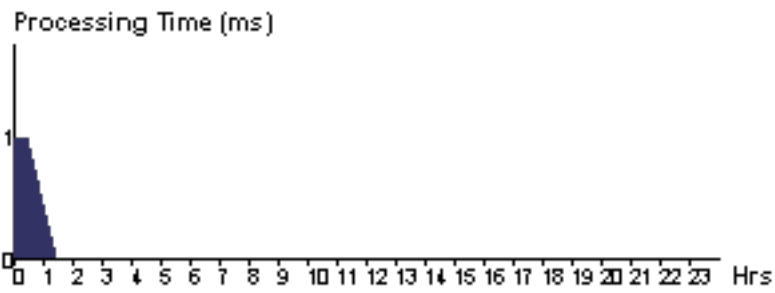
DC8\_643



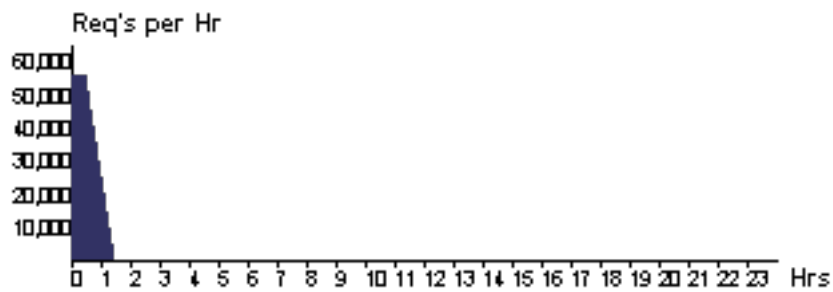
DC9\_643

Data Center Hourly Loading

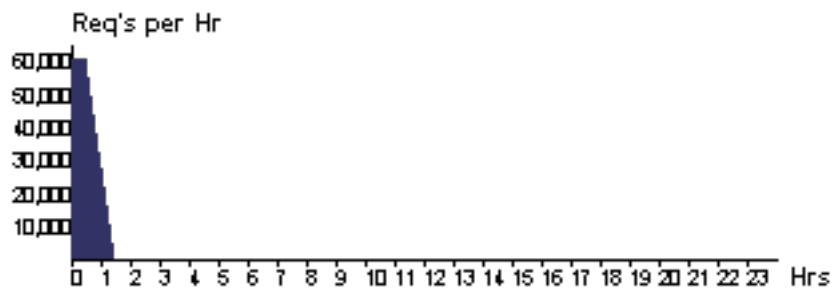
DC10\_643



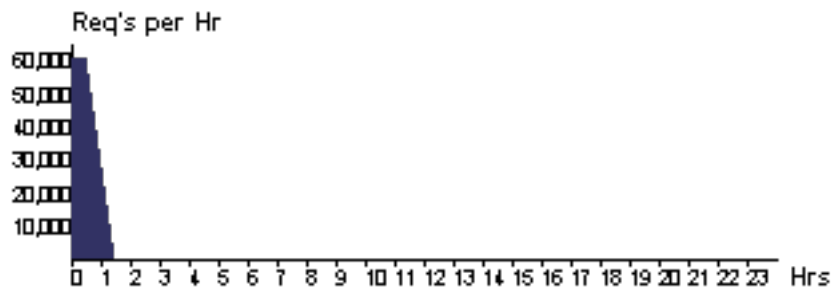
DC11\_643



DC12\_643

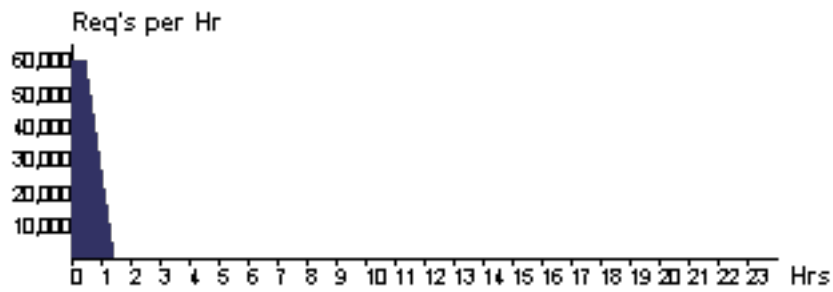


DC13\_643

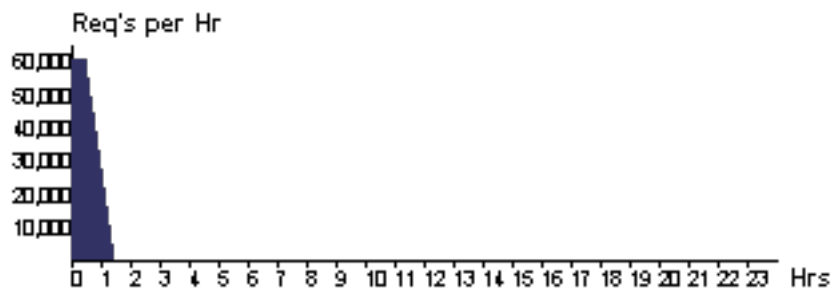


DC14\_643

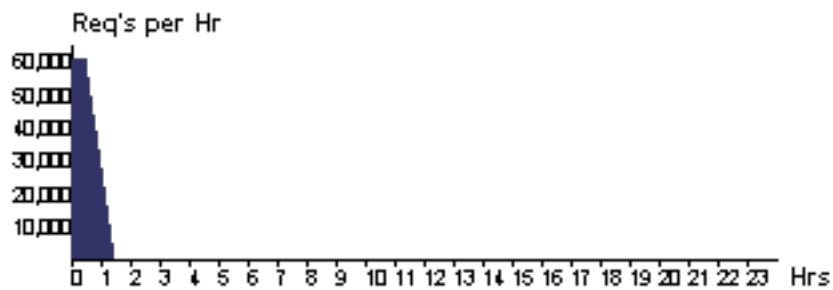
DC15\_643



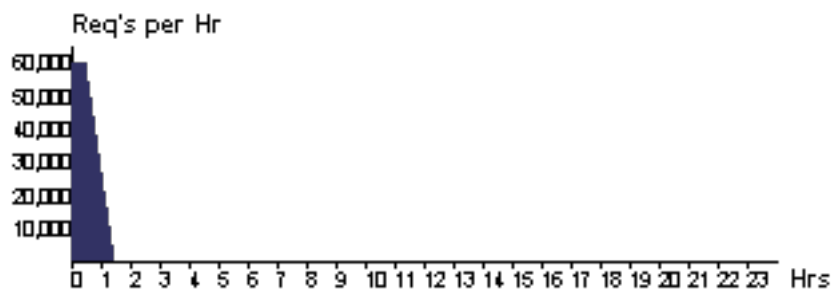
DC16\_643



DC17\_643

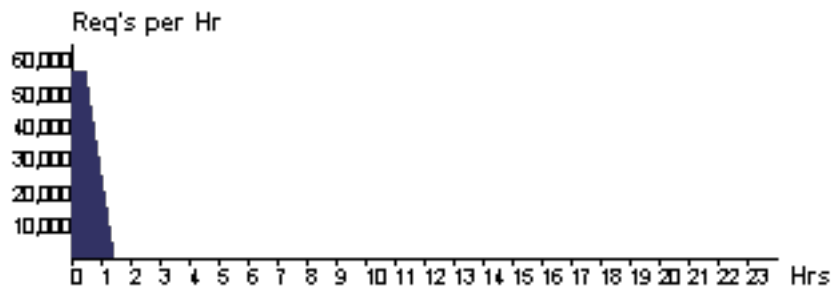
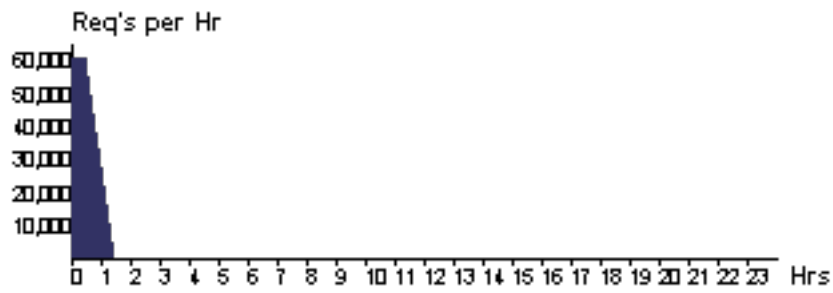


DC18\_643

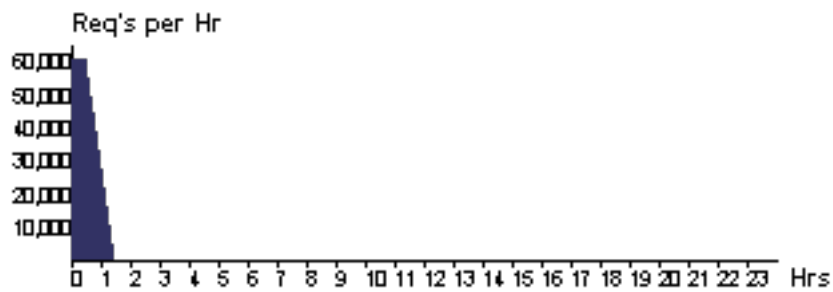


DC19\_643

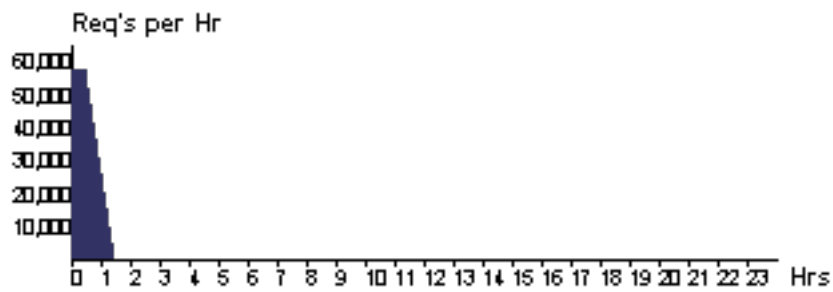
DC1\_643



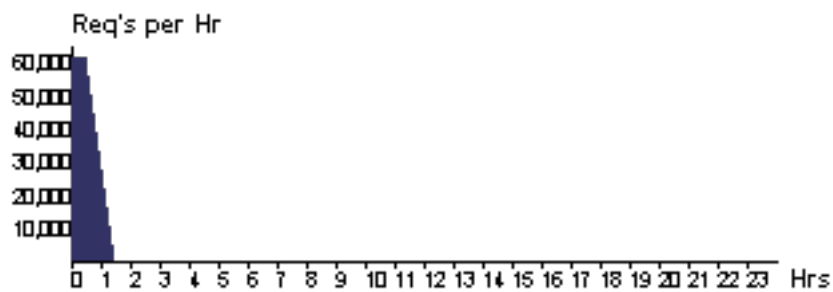
DC20\_643



DC2\_643

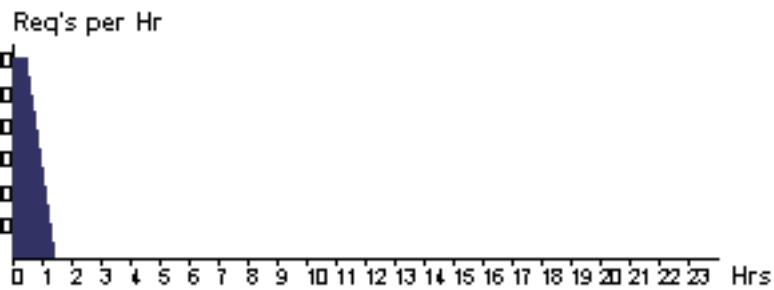
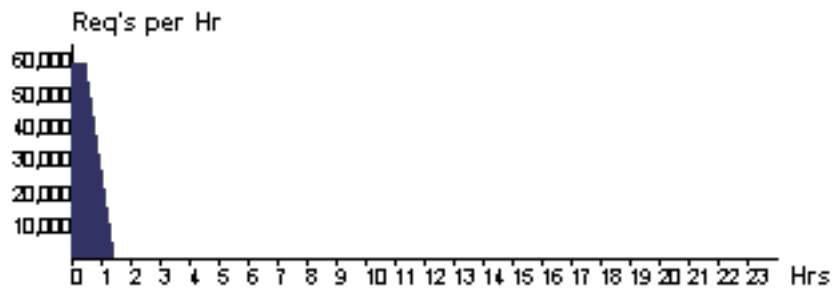


DC3\_643

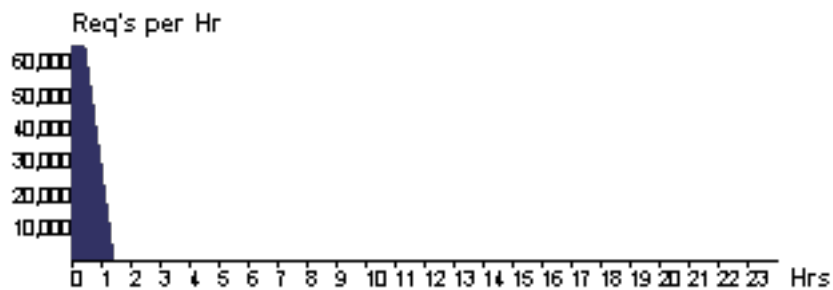


DC4\_643

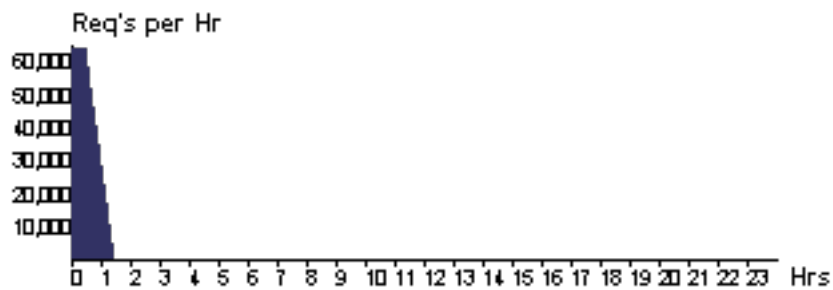
DC5\_643



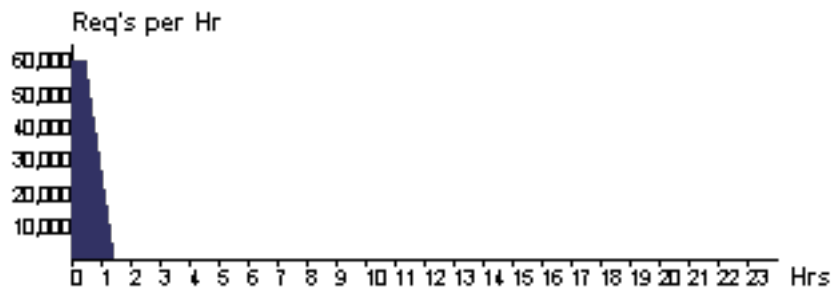
DC6\_643



DC7\_643



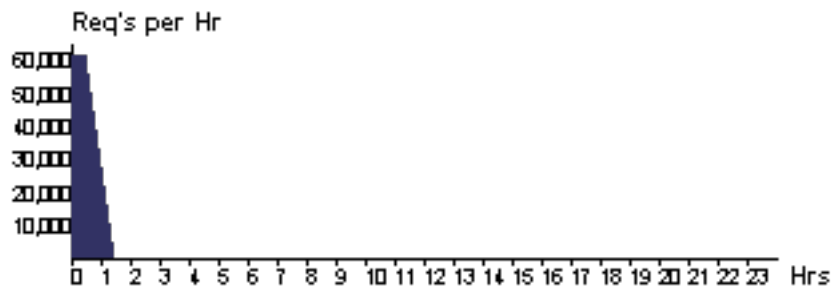
DC8\_643



DC9\_643

Cost

Total Virtual Machine Cost (\$):	10.00
Total Data Transfer Cost (\$):	11.73



Grand Total: (\$)

21.73

Data Center	VM Cost \$	Data Transfer Cost \$	Total \$
DC2_643	0.50	0.56	1.06
DC7_643	0.50	0.62	1.12
DC19_643	0.50	0.59	1.09
DC20_643	0.50	0.59	1.09
DC16_643	0.50	0.59	1.09
DC10_643	0.50	0.57	1.07
DC6_643	0.50	0.63	1.13
DC18_643	0.50	0.58	1.08
DC12_643	0.50	0.59	1.09
DC4_643	0.50	0.57	1.07
DC14_643	0.50	0.59	1.09
DC1_643	0.50	0.55	1.05
DC8_643	0.50	0.58	1.08
DC11_643	0.50	0.55	1.05
DC17_643	0.50	0.59	1.09
DC9_643	0.50	0.60	1.10
DC15_643	0.50	0.58	1.09
DC3_643	0.50	0.60	1.10
DC13_643	0.50	0.59	1.09
DC5_643	0.50	0.59	1.09