

time (ms)	voltage (mv)	Layer	frequency (Hz)	Number of spikes
8.204000e+02	5.201299e+00	L23	1.2189176012	73
8.205000e+02	2.424611e+01	L23	1.2187690433	73
8.206000e+02	1.513915e+01	L23	1.2186205216	73
8.207000e+02	4.031396e+00	L23	1.2184720361	73
8.980000e+02	1.469957e+00	L23	1.1135857461	73
8.981000e+02	2.581070e+01	L23	1.1134617526	73
8.982000e+02	1.740552e+01	L23	1.1133377867	73
8.983000e+02	5.849683e+00	L23	1.1132138484	73
9.363000e+02	1.170103e+01	L23	1.0680337499	73
9.364000e+02	2.505289e+01	L23	1.0679196924	73
9.365000e+02	1.437906e+01	L23	1.0678056594	73
9.366000e+02	3.457622e+00	L23	1.0676916507	73
9.956000e+02	2.104600e+01	L23	1.0044194456	73
9.957000e+02	2.171760e+01	L23	1.0043185699	73
9.958000e+02	9.960877e+00	L23	1.0042177144	73
9.959000e+02	1.269107e-01	L23	1.0041168792	73
1.042900e+03	2.255047e+01	L23	0.9588647042	73
1.043000e+03	2.040581e+01	L23	0.9587727709	73
1.043100e+03	8.616732e+00	L23	0.9586808551	73
1.148100e+03	1.777837e+01	L23	0.8710042679	73
1.148200e+03	2.160972e+01	L23	0.8709284097	73
1.148300e+03	1.038691e+01	L23	0.8708525647	73
1.148400e+03	3.740087e-01	L23	0.8707767328	73
1.211800e+03	6.468310e+00	L23	0.825218683	73
1.211900e+03	2.361910e+01	L23	0.82515059	73
1.212000e+03	1.438213e+01	L23	0.8250825083	73
1.212100e+03	3.447725e+00	L23	0.8250144378	73
1.290800e+03	2.399828e+01	L23	0.7747133561	73
1.290900e+03	1.820720e+01	L23	0.7746533426	73
1.291000e+03	6.620715e+00	L23	0.7745933385	73
1.360900e+03	2.454921e+01	L23	0.7348078477	73
1.361000e+03	1.739450e+01	L23	0.7347538575	73
1.361100e+03	5.930971e+00	L23	0.7346998751	73
1.429600e+03	2.370651e+01	L23	0.6994963626	73
1.429700e+03	1.794004e+01	L23	0.6994474365	73
1.429800e+03	6.429259e+00	L23	0.6993985173	73
1.643900e+03	9.279120e+00	L23	0.6083095079	73
1.644000e+03	2.383577e+01	L23	0.6082725061	73
1.644100e+03	1.392655e+01	L23	0.6082355088	73
1.644200e+03	3.080783e+00	L23	0.608198516	73
1.751900e+03	6.891214e+00	L23	0.5708088361	73
1.752000e+03	2.388461e+01	L23	0.5707762557	73
1.752100e+03	1.451163e+01	L23	0.570743679	73
1.752200e+03	3.538606e+00	L23	0.570711106	73
1.804800e+03	2.330044e+01	L23	0.5540780142	73
1.804900e+03	2.043079e+01	L23	0.5540473156	73
1.805000e+03	8.551441e+00	L23	0.5540166205	73
1.880300e+03	2.333498e+01	L23	0.5318300271	73
1.880400e+03	1.935843e+01	L23	0.5318017443	73
1.880500e+03	7.669116e+00	L23	0.5317734645	73
2.038200e+03	6.208720e-01	L23	0.4906289864	73
2.038300e+03	2.497564e+01	L23	0.4906049159	73

2.038400e+03	1.697333e+01	L23	0.4905808477	73
2.038500e+03	5.498326e+00	L23	0.4905567819	73
2.135500e+03	2.405647e+01	L23	0.4682744088	73
2.135600e+03	1.760978e+01	L23	0.4682524817	73
2.135700e+03	6.106544e+00	L23	0.4682305567	73
2.239400e+03	2.114411e+01	L23	0.4465481825	73
2.239500e+03	2.189324e+01	L23	0.4465282429	73
2.239600e+03	1.015552e+01	L23	0.4465083051	73
2.239700e+03	2.674184e-01	L23	0.446488369	73
2.343200e+03	1.277252e+01	L23	0.4267668146	73
2.343300e+03	2.412515e+01	L23	0.4267486024	73
2.343400e+03	1.346480e+01	L23	0.4267303917	73
2.343500e+03	2.723123e+00	L23	0.4267121826	73
2.514400e+03	1.863449e+00	L23	0.397709195	73
2.514500e+03	2.359106e+01	L23	0.3976933784	73
2.514600e+03	1.556846e+01	L23	0.397677563	73
2.514700e+03	4.423371e+00	L23	0.3976617489	73
2.597100e+03	1.804071e+01	L23	0.3850448577	73
2.597200e+03	2.196261e+01	L23	0.3850300323	73
2.597300e+03	1.065355e+01	L23	0.3850152081	73
2.597400e+03	5.815643e-01	L23	0.385000385	73

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L4

time (ms)	voltage (mv)	Layer	frequency (Hz)	Number of spikes
7.884000e+02	2.122128e+01	L4	1.2683916794	83
7.885000e+02	2.117739e+01	L4	1.268230818	83
7.886000e+02	9.454862e+00	L4	1.2680699975	83
8.268000e+02	2.090499e+01	L4	1.2094823416	83
8.269000e+02	2.118790e+01	L4	1.2093360745	83
8.270000e+02	9.492708e+00	L4	1.2091898428	83
8.919000e+02	1.676169e+01	L4	1.1212019285	83
8.920000e+02	2.216352e+01	L4	1.1210762332	83
8.921000e+02	1.100827e+01	L4	1.1209505661	83
8.922000e+02	8.508374e-01	L4	1.1208249271	83
9.653000e+02	2.388735e+01	L4	1.0359473739	83
9.654000e+02	1.700001e+01	L4	1.0358400663	83
9.655000e+02	5.598615e+00	L4	1.0357327809	83
1.042900e+03	2.189935e+01	L4	0.9588647042	83
1.043000e+03	1.963090e+01	L4	0.9587727709	83
1.043100e+03	8.068220e+00	L4	0.9586808551	83
1.084300e+03	1.338050e+01	L4	0.9222539887	83
1.084400e+03	2.357255e+01	L4	0.9221689414	83
1.084500e+03	1.272940e+01	L4	0.9220839096	83
1.084600e+03	2.143812e+00	L4	0.9219988936	83
1.132500e+03	1.867918e+01	L4	0.8830022075	83
1.132600e+03	2.199901e+01	L4	0.8829242451	83
1.132700e+03	1.054482e+01	L4	0.8828462965	83
1.132800e+03	5.169757e-01	L4	0.8827683616	83
1.197100e+03	2.358408e+01	L4	0.8353521009	83
1.197200e+03	1.754023e+01	L4	0.8352823254	83
1.197300e+03	6.088499e+00	L4	0.8352125616	83
1.290100e+03	1.245756e+01	L4	0.7751337106	83
1.290200e+03	2.365862e+01	L4	0.775073632	83
1.290300e+03	1.306063e+01	L4	0.7750135627	83
1.290400e+03	2.409763e+00	L4	0.7749535028	83
1.377600e+03	2.280161e+01	L4	0.7259001161	83
1.377700e+03	1.746877e+01	L4	0.7258474269	83
1.377800e+03	6.118349e+00	L4	0.7257947452	83
1.456500e+03	7.612563e+00	L4	0.6865774116	83
1.456600e+03	2.508588e+01	L4	0.686530276	83
1.456700e+03	1.532473e+01	L4	0.6864831468	83
1.456800e+03	4.210538e+00	L4	0.6864360242	83
1.554300e+03	2.399055e+01	L4	0.6433764396	83
1.554400e+03	1.918823e+01	L4	0.6433350489	83
1.554500e+03	7.501736e+00	L4	0.6432936636	83
1.637800e+03	3.778019e+00	L4	0.6105751618	83
1.637900e+03	2.510692e+01	L4	0.6105378839	83
1.638000e+03	1.625725e+01	L4	0.6105006105	83
1.638100e+03	4.933194e+00	L4	0.6104633417	83
1.692400e+03	2.329503e+01	L4	0.5908768613	83
1.692500e+03	1.886505e+01	L4	0.5908419498	83
1.692600e+03	7.255640e+00	L4	0.5908070424	83

L4

1.766900e+03	3.079686e+00	L4	0.565962986	83
1.767000e+03	2.406525e+01	L4	0.5659309564	83
1.767100e+03	1.559106e+01	L4	0.5658989305	83
1.767200e+03	4.413919e+00	L4	0.5658669081	83
1.879200e+03	1.440978e+01	L4	0.5321413367	83
1.879300e+03	2.472942e+01	L4	0.5321130208	83
1.879400e+03	1.368811e+01	L4	0.5320847079	83
1.879500e+03	2.947889e+00	L4	0.532056398	83
1.988600e+03	2.204542e+01	L4	0.5028663381	83
1.988700e+03	1.993694e+01	L4	0.5028410519	83
1.988800e+03	8.337952e+00	L4	0.5028157683	83
2.081500e+03	2.234948e+01	L4	0.480422772	83
2.081600e+03	1.894036e+01	L4	0.4803996925	83
2.081700e+03	7.424471e+00	L4	0.4803766153	83
2.235900e+03	9.943066e+00	L4	0.4472471935	83
2.236000e+03	2.422093e+01	L4	0.4472271914	83
2.236100e+03	1.409611e+01	L4	0.4472071911	83
2.236200e+03	3.213644e+00	L4	0.4471871926	83
2.323700e+03	1.961243e+01	L4	0.4303481517	83
2.323800e+03	2.025010e+01	L4	0.4303296325	83
2.323900e+03	8.926655e+00	L4	0.4303111149	83
2.392000e+03	2.244226e+01	L4	0.4180602007	83
2.392100e+03	2.010770e+01	L4	0.418042724	83
2.392200e+03	8.376965e+00	L4	0.4180252487	83
2.444000e+03	1.691057e+00	L4	0.4091653028	83
2.444100e+03	2.443676e+01	L4	0.4091485618	83
2.444200e+03	1.630181e+01	L4	0.4091318223	83
2.444300e+03	4.999268e+00	L4	0.4091150841	83
2.525900e+03	2.349548e+01	L4	0.3958984916	83
2.526000e+03	1.896579e+01	L4	0.3958828187	83
2.526100e+03	7.332736e+00	L4	0.395867147	83
2.665800e+03	1.145617e+01	L4	0.3751219146	83
2.665900e+03	2.348502e+01	L4	0.3751078435	83
2.666000e+03	1.319293e+01	L4	0.3750937734	83
2.666100e+03	2.530932e+00	L4	0.3750797044	83

L4

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L4

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L4

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L5

time (ms)	voltage (mv)	Layer	frequency (Hz)	Number of spikes
7.553000e+02	1.791714e+01	L5	1.3239772276	106
7.554000e+02	2.422150e+01	L5	1.3238019592	106
7.555000e+02	1.240991e+01	L5	1.3236267373	106
7.556000e+02	1.999548e+00	L5	1.3234515617	106
7.784000e+02	2.665226e+01	L5	1.2846865365	106
7.785000e+02	1.874902e+01	L5	1.2845215157	106
7.786000e+02	6.963680e+00	L5	1.2843565374	106
8.202000e+02	1.785145e+01	L5	1.2192148257	106
8.203000e+02	2.281686e+01	L5	1.2190661953	106
8.204000e+02	1.136609e+01	L5	1.2189176012	106
8.205000e+02	1.160214e+00	L5	1.2187690433	106
8.407000e+02	2.565747e+01	L5	1.189484953	106
8.408000e+02	1.992535e+01	L5	1.1893434824	106
8.409000e+02	8.012907e+00	L5	1.1892020454	106
8.867000e+02	4.665657e+00	L5	1.1277771512	106
8.868000e+02	2.386169e+01	L5	1.1276499774	106
8.869000e+02	1.501886e+01	L5	1.1275228323	106
8.870000e+02	3.954221e+00	L5	1.1273957159	106
9.299000e+02	2.040482e+01	L5	1.0753844499	106
9.300000e+02	2.181514e+01	L5	1.0752688172	106
9.301000e+02	1.016451e+01	L5	1.0751532093	106
9.302000e+02	2.671731e-01	L5	1.0750376263	106
9.740000e+02	2.369491e+01	L5	1.0266940452	106
9.741000e+02	2.137411e+01	L5	1.0265886459	106
9.742000e+02	9.396204e+00	L5	1.0264832683	106
1.023300e+03	1.932975e+01	L5	0.9772305287	106
1.023400e+03	2.120202e+01	L5	0.9771350401	106
1.023500e+03	9.843748e+00	L5	0.9770395701	106
1.067600e+03	2.338118e+01	L5	0.9366804046	106
1.067700e+03	2.032626e+01	L5	0.9365926758	106
1.067800e+03	8.543907e+00	L5	0.9365049635	106
1.103500e+03	1.649894e+01	L5	0.9062075215	106
1.103600e+03	2.279567e+01	L5	0.9061254078	106
1.103700e+03	1.153891e+01	L5	0.9060433089	106
1.103800e+03	1.269080e+00	L5	0.9059612249	106
1.139800e+03	2.233799e+01	L5	0.877346903	106
1.139900e+03	1.905328e+01	L5	0.877269936	106
1.140000e+03	7.522828e+00	L5	0.8771929825	106
1.195000e+03	2.841941e+00	L5	0.8368200837	106
1.195100e+03	2.381531e+01	L5	0.8367500628	106
1.195200e+03	1.560475e+01	L5	0.8366800535	106
1.195300e+03	4.529700e+00	L5	0.8366100561	106
1.331000e+03	2.252039e+01	L5	0.7513148009	106
1.331100e+03	1.902021e+01	L5	0.7512583577	106
1.331200e+03	7.525009e+00	L5	0.7512019231	106
1.384200e+03	2.230195e+01	L5	0.7224389539	106
1.384300e+03	1.764918e+01	L5	0.7223867659	106
1.384400e+03	6.355110e+00	L5	0.7223345854	106

L5

1.507200e+03	6.091182e+00	L5	0.6634819533	106
1.507300e+03	2.359808e+01	L5	0.6634379354	106
1.507400e+03	1.449039e+01	L5	0.6633939233	106
1.507500e+03	3.558100e+00	L5	0.6633499171	106
1.600300e+03	1.813972e+01	L5	0.6248828345	106
1.600400e+03	1.982852e+01	L5	0.6248437891	106
1.600500e+03	8.717367e+00	L5	0.6248047485	106
1.676700e+03	1.006384e+01	L5	0.5964096141	106
1.676800e+03	2.279440e+01	L5	0.5963740458	106
1.676900e+03	1.288511e+01	L5	0.5963384817	106
1.677000e+03	2.296267e+00	L5	0.5963029219	106
1.731700e+03	1.606557e+01	L5	0.5774672287	106
1.731800e+03	2.281518e+01	L5	0.5774338838	106
1.731900e+03	1.176132e+01	L5	0.5774005428	106
1.732000e+03	1.470120e+00	L5	0.5773672055	106
1.806100e+03	2.408182e+01	L5	0.5536791983	106
1.806200e+03	1.862918e+01	L5	0.5536485439	106
1.806300e+03	7.007839e+00	L5	0.5536178929	106
1.951800e+03	2.437893e+01	L5	0.5123475766	106
1.951900e+03	1.772346e+01	L5	0.5123213279	106
1.952000e+03	6.221353e+00	L5	0.512295082	106
1.986800e+03	1.511087e+01	L5	0.5033219247	106
1.986900e+03	2.238832e+01	L5	0.5032965927	106
1.987000e+03	1.151419e+01	L5	0.5032712632	106
1.987100e+03	1.240187e+00	L5	0.5032459363	106
2.079300e+03	1.431469e+01	L5	0.4809310826	106
2.079400e+03	2.269580e+01	L5	0.4809079542	106
2.079500e+03	1.199148e+01	L5	0.4808848281	106
2.079600e+03	1.617296e+00	L5	0.4808617042	106
2.121600e+03	1.974063e+01	L5	0.4713423831	106
2.121700e+03	2.113511e+01	L5	0.4713201678	106
2.121800e+03	9.731742e+00	L5	0.4712979546	106
2.301900e+03	5.096732e+00	L5	0.4344237369	106
2.302000e+03	2.501176e+01	L5	0.4344048653	106
2.302100e+03	1.589631e+01	L5	0.4343859954	106
2.302200e+03	4.664493e+00	L5	0.4343671271	106
2.351500e+03	1.663277e+01	L5	0.425260472	106
2.351600e+03	2.288153e+01	L5	0.4252423882	106
2.351700e+03	1.170473e+01	L5	0.4252243058	106
2.351800e+03	1.420957e+00	L5	0.425206225	106
2.394800e+03	2.324317e+01	L5	0.4175714047	106
2.394900e+03	2.014388e+01	L5	0.4175539689	106
2.395000e+03	8.367068e+00	L5	0.4175365344	106
2.450600e+03	1.268292e+01	L5	0.4080633314	106
2.450700e+03	2.346335e+01	L5	0.4080466805	106
2.450800e+03	1.293523e+01	L5	0.408030031	106
2.450900e+03	2.340957e+00	L5	0.4080133828	106
2.551800e+03	2.312330e+01	L5	0.3918802414	106
2.551900e+03	1.806897e+01	L5	0.391864885	106

L5

2.552000e+03	6.624966e+00	L5	0.3918495298	106
2.613800e+03	2.466962e+01	L5	0.3825847425	106
2.613900e+03	1.933146e+01	L5	0.382570106	106
2.614000e+03	7.586162e+00	L5	0.3825554705	106
2.660800e+03	3.501776e+00	L5	0.375826819	106
2.660900e+03	2.409459e+01	L5	0.375812695	106
2.661000e+03	1.563861e+01	L5	0.375798572	106
2.661100e+03	4.554959e+00	L5	0.37578445	106

L5

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L5

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L5

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L5

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L5

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L6

time (ms)	voltage (mv)	Layer	frequency (Hz)	Number of spikes
7.883000e+02	2.652704e+01	L6	1.2685525815	70
7.884000e+02	1.940227e+01	L6	1.2683916794	70
7.885000e+02	7.390251e+00	L6	1.268230818	70
8.282000e+02	2.625148e+00	L6	1.207437817	70
8.283000e+02	2.436721e+01	L6	1.2072920439	70
8.284000e+02	1.593151e+01	L6	1.2071463061	70
8.285000e+02	4.669262e+00	L6	1.2070006035	70
9.190000e+02	2.335252e+01	L6	1.0881392818	70
9.191000e+02	1.842043e+01	L6	1.08802089	70
9.192000e+02	6.862314e+00	L6	1.0879025239	70
1.009700e+03	2.281201e+01	L6	0.9903931861	70
1.009800e+03	1.892607e+01	L6	0.9902951079	70
1.009900e+03	7.349787e+00	L6	0.9901970492	70
1.106700e+03	4.047313e+00	L6	0.9035872413	70
1.106800e+03	2.481944e+01	L6	0.9035056017	70
1.106900e+03	1.594593e+01	L6	0.9034239769	70
1.107000e+03	4.683553e+00	L6	0.9033423668	70
1.145600e+03	9.613967e+00	L6	0.8729050279	70
1.145700e+03	2.498989e+01	L6	0.8728288383	70
1.145800e+03	1.470220e+01	L6	0.8727526619	70
1.145900e+03	3.687155e+00	L6	0.8726764988	70
1.237000e+03	1.896501e+01	L6	0.8084074373	70
1.237100e+03	2.191973e+01	L6	0.8083420904	70
1.237200e+03	1.045178e+01	L6	0.808276754	70
1.237300e+03	4.466631e-01	L6	0.8082114281	70
1.293200e+03	1.069505e+01	L6	0.7732755954	70
1.293300e+03	2.319145e+01	L6	0.7732158045	70
1.293400e+03	1.303412e+01	L6	0.7731560229	70
1.293500e+03	2.382924e+00	L6	0.7730962505	70
1.551700e+03	2.145013e+01	L6	0.6444544693	70
1.551800e+03	2.094901e+01	L6	0.6444129398	70
1.551900e+03	9.259293e+00	L6	0.6443714157	70
1.623000e+03	8.452650e+00	L6	0.6161429452	70
1.623100e+03	2.470182e+01	L6	0.6161049843	70
1.623200e+03	1.473041e+01	L6	0.6160670281	70
1.623300e+03	3.702836e+00	L6	0.6160290766	70
1.714900e+03	1.504309e+01	L6	0.5831243804	70
1.715000e+03	2.314212e+01	L6	0.583090379	70
1.715100e+03	1.218521e+01	L6	0.5830563816	70
1.715200e+03	1.750797e+00	L6	0.5830223881	70
1.797400e+03	7.702714e+00	L6	0.5563591855	70
1.797500e+03	2.617067e+01	L6	0.5563282337	70
1.797600e+03	1.612582e+01	L6	0.5562972853	70
1.797700e+03	4.820766e+00	L6	0.5562663403	70
1.901900e+03	6.641309e+00	L6	0.5257899995	70
1.902000e+03	2.486066e+01	L6	0.5257623554	70
1.902100e+03	1.524972e+01	L6	0.5257347143	70
1.902200e+03	4.106569e+00	L6	0.525707076	70

L6

2.043100e+03	2.142876e+01	L6	0.4894523029	70
2.043200e+03	1.960752e+01	L6	0.4894283477	70
2.043300e+03	8.043073e+00	L6	0.4894043949	70
2.217200e+03	2.030730e+01	L6	0.4510193036	70
2.217300e+03	2.315503e+01	L6	0.4509989627	70
2.217400e+03	1.133509e+01	L6	0.4509786236	70
2.217500e+03	1.198151e+00	L6	0.4509582864	70
2.307300e+03	2.551498e+00	L6	0.4334070125	70
2.307400e+03	2.362435e+01	L6	0.4333882292	70
2.307500e+03	1.546242e+01	L6	0.4333694475	70
2.307600e+03	4.346787e+00	L6	0.4333506674	70
2.377300e+03	2.120426e+01	L6	0.4206452698	70
2.377400e+03	1.955161e+01	L6	0.4206275763	70
2.377500e+03	8.082472e+00	L6	0.4206098843	70
2.437600e+03	2.281388e+01	L6	0.4102395799	70
2.437700e+03	1.777562e+01	L6	0.410222751	70
2.437800e+03	6.372975e+00	L6	0.4102059234	70
2.680000e+03	9.271655e+00	L6	0.3731343284	70
2.680100e+03	2.454711e+01	L6	0.373120406	70
2.680200e+03	1.443513e+01	L6	0.3731064846	70
2.680300e+03	3.473276e+00	L6	0.3730925643	70

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L6

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