Time	Average Signal	Aggressive Signal
0:00:00	-0.144251049	-0.282695264
0:00:04	-0.129648238	-0.273952544
0:00:08	-0.136013523	-0.265209794
0:00:12	-0.142378807	-0.256467074
0:00:16	-0.148744106	-0.247724339
0:00:20	-0.155109391	-0.2383544
0:00:24	-0.161474675	-0.228357255
0:00:28	-0.150013253	-0.218360111
0:00:32	-0.138551846	-0.208362967
0:00:36	-0.113525704	-0.198365822
0:00:40	-0.08397799	-0.18872872
0:00:44	-0.054430272	-0.179451689
0:00:48	-0.032121196	-0.170174643
0:00:52	-0.009812118	-0.164905593
0:00:56	0.00501351	-0.159636542
0:01:00	0.012355687	-0.139434874
0:01:04	0.019697864	-0.104300603
0:01:08	0.005642735	-0.069166332
0:01:12	-0.008412393	-0.025457811
0:01:16	-0.016135313	0.018250709
0:01:20	-0.017526021	0.050382435
0:01:24	-0.018916732	0.070937358
0:01:28	-0.007483151	0.091492288
0:01:32	0.003950429	0.096228711
0:01:36	0.016937084	0.100965127
0:01:40	0.030441433	0.101237461
0:01:44	0.043945782	0.097045712

Example Statistics	Standard Deviation	Sum of signal	Time at 1 (sec)	Time at -1 (sec)	% Time at 1	% Time at -1
Average Profile	0.361	-0.00065	0	0	0	0
Aggressive Signal	0.460	0.00175	164	132	2.28	1.83

Reference Statistics	Lowest Day	Avg Day #1	Avg Day #2	Avg Day #3	Highest Day
Standard Deviation	0.132	0.334	0.332	0.333	0.451

Duty Cycle
3 Average
1 Aggressive
3 Average
1 Aggressive
4 Average

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0:01:48	0.065859124	0.092853956
0:01:52	0.087772466	0.087061487
0:01:56	0.102681331	0.081269011
0:02:00	0.115255378	0.077279635
0:02:04	0.127829418	0.075093359
0:02:08	0.136286065	0.072907083
0:02:12	0.144742712	0.071547456
0:02:16	0.168096304	0.070187822
0:02:20	0.206346855	0.065275341
0:02:24	0.24459739	0.056809999
0:02:28	0.286141574	0.048344657
0:02:32	0.327685773	0.04501012
0:02:36	0.371769905	0.041675579
0:02:40	0.41839397	0.041155186
0:02:44	0.464600265	0.043448932
0:02:48	0.509553194	0.045742679
0:02:52	0.554506123	0.053398695
0:02:56	0.602924347	0.06105471
0:03:00	0.654807866	0.070469923
0:03:04	0.706691384	0.081644334
0:03:08	0.720910609	0.092818744
0:03:12	0.735129833	0.1054141
0:03:16	0.737693191	0.118009456
0:03:20	0.728600562	0.129463658
0:03:24	0.719507933	0.139776722
0:03:28	0.697333694	0.150089785
0:03:32	0.662077785	0.155796483
0:03:36	0.616101444	0.161503181
0:03:40	0.559404731	0.166243717

0:03:44	0.502707958	0.170018077
0:03:48	0.434835255	0.173792437
0:03:52	0.366962582	0.259592712
0:03:56	0.299703628	0.345392972
0:04:00	0.233058423	0.409059495
0:04:04	0.166413218	0.450592279
0:04:08	0.126902997	0.492125064
0:04:12	0.087392792	0.492103755
0:04:16	0.062752046	0.492082447
0:04:20	0.052980773	0.490190148
0:04:24	0.043209501	0.48642692
0:04:28	0.031373527	0.482663661
0:04:32	0.019537557	0.480816096
0:04:36	0.001462346	0.478968501
0:04:40	-0.022852104	0.480422795
0:04:44	-0.047166552	0.485178918
0:04:48	-0.057434734	0.48993507
0:04:52	-0.067702919	0.500819147
0:04:56	-0.080728419	0.511703193
0:05:00	-0.09651123	0.524471402
0:05:04	-0.112294048	0.539123714
0:05:08	-0.141811341	0.553776085
0:05:12	-0.171328619	0.570581317
0:05:16	-0.19213371	0.587386549
0:05:20	-0.210034728	0.60419178
0:05:24	-0.227935746	0.620996952
0:05:28	-0.252165616	0.63694191
0:05:32	-0.27639544	0.650305927
0:05:36	-0.296143562	0.663669944

0:05:40	-0.31140995	0.677338839
0:05:44	-0.326676309	0.691312611
0:05:48	-0.336338639	0.705286384
0:05:52	-0.346000969	0.719260216
0:05:56	-0.354167581	0.733233988
0:06:00	-0.361835599	0.745755792
0:06:04	-0.369503617	0.756825626
0:06:08	-0.382226527	0.767895401
0:06:12	-0.394949466	0.770347893
0:06:16	-0.413662046	0.772800386
0:06:20	-0.438364327	0.771793187
0:06:24	-0.463066578	0.767326355
0:06:28	-0.491415203	0.762859464
0:06:32	-0.519763827	0.758392572
0:06:36	-0.535574436	0.753925741
0:06:40	-0.53884691	0.74991554
0:06:44	-0.542119443	0.74636209
0:06:48	-0.525878966	0.74280864
0:06:52	-0.509638429	0.772468626
0:06:56	-0.485117942	0.802128613
0:07:00	-0.452317476	0.808736086
0:07:04	-0.41951701	0.792291105
0:07:08	-0.398959488	0.775846064
0:07:12	-0.378401995	0.776005566
0:07:16	-0.360686213	0.776165128
0:07:20	-0.345812142	0.778602719
0:07:24	-0.330938071	0.78331846
0:07:28	-0.311509281	0.788034201
0:07:32	-0.292080462	0.792749882

0:07:36	-0.264012247	0.797465622
0:07:40	-0.227304593	0.800635874
0:07:44	-0.190596953	0.802260756
0:07:48	-0.151647434	0.803885579
0:07:52	-0.112697922	0.802513361
0:07:56	-0.07070902	0.801141083
0:08:00	-0.02568073	0.796761096
0:08:04	0.019347558	0.789373279
0:08:08	0.066808105	0.781985462
0:08:12	0.114268646	0.768378317
0:08:16	0.149056494	0.754771113
0:08:20	0.179620102	0.737595737
0:08:24	0.21018371	0.716852129
0:08:28	0.226593435	0.69610852
0:08:32	0.243003175	0.673140526
0:08:36	0.260151565	0.650172532
0:08:40	0.278038591	0.625315309
0:08:44	0.295925617	0.598568857
0:08:48	0.345791727	0.571822405
0:08:52	0.395657867	0.540236712
0:08:56	0.416477412	0.508651018
0:09:00	0.427614808	0.475282341
0:09:04	0.438752174	0.440130711
0:09:08	0.484879583	0.40497905
0:09:12	0.531006992	0.368054479
0:09:16	0.564311445	0.331129909
0:09:20	0.584792912	0.294205308
0:09:24	0.605274379	0.257280737
0:09:28	0.625755847	0.220356166

0:09:32	0.646237314	0.184814364
0:09:36	0.653857112	0.149272561
0:09:40	0.648615301	0.115076534
0:09:44	0.643373489	0.082226284
0:09:48	0.618583143	0.049376033
0:09:52	0.593792737	-0.037982456
0:09:56	0.579453528	-0.125340939
0:10:00	0.568597972	-0.255351096
0:10:04	0.557742417	-0.428012878
0:10:08	0.534055412	-0.600674689
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0:10:16	0.484838426	-0.80367589
0:10:20	0.45746544	-0.875576496
0:10:24	0.430092424	-0.917877018
0:10:28	0.406610578	-0.9601776
0:10:32	0.383128703	-0.965281844
0:10:36	0.355775058	-0.970386088
0:10:40	0.324549615	-0.967141032
0:10:44	0.293324172	-0.955546677
0:10:48	0.249806523	-0.943952382
0:10:52	0.206288859	-0.924059927
0:10:56	0.163547352	-0.904167473
0:11:00	0.121064566	-0.882113814
0:11:04	0.078581773	-0.85789907
0:11:08	0.03163211	-0.833684206
0:11:12	-0.015317554	-0.809469461
0:11:16	-0.035845049	-0.785254598
0:11:20	-0.047565155	-0.761400461
0:11:24	-0.059285261	-0.737906992

0:11:28	-0.081598312	-0.714413524
0:11:32	-0.103911363	-0.690919995
0:11:36	-0.133230746	-0.667426527
0:11:40	-0.169556454	-0.644908607
0:11:44	-0.205882162	-0.623366296
0:11:48	-0.249970943	-0.601823986
0:11:52	-0.294059724	-0.585796714
0:11:56	-0.332335889	-0.569769442
0:12:00	-0.36479944	-0.555796027
0:12:04	-0.39726299	-0.54387635
0:12:08	-0.423568636	-0.531956732
0:12:12	-0.449874282	-0.5225811
0:12:16	-0.468467623	-0.513205469
0:12:20	-0.4793486	-0.503829837
0:12:24	-0.490229607	-0.494454175
0:12:28	-0.50880307	-0.485078543
0:12:32	-0.527376473	-0.479038358
0:12:36	-0.545949936	-0.472998172
0:12:40	-0.564523339	-0.46839875
0:12:44	-0.580560088	-0.465240091
0:12:48	-0.588986754	-0.462081432
0:12:52	-0.597413361	-0.518998981
0:12:56	-0.604643404	-0.575916529
0:13:00	-0.610676885	-0.614979267
0:13:04	-0.616710365	-0.636187255
0:13:08	-0.622743845	-0.657395244
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0:13:16	-0.645559728	-0.622857392
0:13:20	-0.673091054	-0.60193038

0:13:24	-0.700622439	-0.577345192
0:13:28	-0.725902319	-0.552760065
0:13:32	-0.751182139	-0.5223068
0:13:36	-0.763730168	-0.491853565
0:13:40	-0.763546348	-0.458480835
0:13:44	-0.763362527	-0.42218861
0:13:48	-0.741654694	-0.385896415
0:13:52	-0.719946861	-0.349604219
0:13:56	-0.693281531	-0.313311994
0:14:00	-0.661658645	-0.278122306
0:14:04	-0.630035758	-0.24403511
0:14:08	-0.601230502	-0.209947914
0:14:12	-0.572425187	-0.178580105
0:14:16	-0.558908641	-0.147212312
0:14:20	-0.560680866	-0.116548337
0:14:24	-0.562453032	-0.086588204
0:14:28	-0.544116855	-0.056628067
0:14:32	-0.525780678	-0.029614517
0:14:36	-0.51625663	-0.002600966
0:14:40	-0.515544653	0.021431228
0:14:44	-0.514832675	0.042482067
0:14:48	-0.516575634	0.063532904
0:14:52	-0.518318653	0.079306312
0:14:56	-0.517415941	0.09507972
0:15:00	-0.513867617	0.108115003
0:15:04	-0.510319233	0.118412152
0:15:08	-0.4926458	0.128709301
0:15:12	-0.474972397	0.135443151
0:15:16	-0.457298964	0.142177001

0:15:20	-0.439625561	0.14891085
0:15:24	-0.421952128	0.1556447
0:15:28	-0.400327325	0.16237855
0:15:32	-0.378702521	0.169112399
0:15:36	-0.357551008	0.175846249
0:15:40	-0.336872816	0.181683719
0:15:44	-0.316194624	0.18662481
0:15:48	-0.270259708	0.191565886
0:15:52	-0.224324822	0.179199785
0:15:56	-0.180791527	0.166833684
0:16:00	-0.138058767	0.168021813
0:16:04	-0.095325999	0.182764143
0:16:08	-0.056056872	0.197506472
0:16:12	-0.016787743	0.207903773
0:16:16	0.015659085	0.218301073
0:16:20	0.041283615	0.222491622
0:16:24	0.066908143	0.22047545
0:16:28	0.067889266	0.218459263
0:16:32	0.068870381	0.211035207
0:16:36	0.077603571	0.20361115
0:16:40	0.094088838	0.196187079
0:16:44	0.110574104	0.188763022
0:16:48	0.136972636	0.181338966
0:16:52	0.163371146	0.179294288
0:16:56	0.185547948	0.17724961
0:17:00	0.203503013	0.178608507
0:17:04	0.221458077	0.183370993
0:17:08	0.254830331	0.188133478
0:17:12	0.288202584	0.195357874

0:17:16	0.308368504	0.20258227
0:17:20	0.315328062	0.209177762
0:17:24	0.322287619	0.215144351
0:17:28	0.343709856	0.22111094
0:17:32	0.365132093	0.227077529
0:17:36	0.394949526	0.233044118
0:17:40	0.433162093	0.24098675
0:17:44	0.471374691	0.250905424
0:17:48	0.504213572	0.260824114
0:17:52	0.537052453	0.27278617
0:17:56	0.566769838	0.284748197
0:18:00	0.593365788	0.296710253
0:18:04	0.619961739	0.308672279
0:18:08	0.635332823	0.320634335
0:18:12	0.650703847	0.331750214
0:18:16	0.674778104	0.342866123
0:18:20	0.707555532	0.353982002
0:18:24	0.740332961	0.36509791
0:18:28	0.718795717	0.376213789
0:18:32	0.697258472	0.385999918
0:18:36	0.699237406	0.395786077
0:18:40	0.724732518	0.404150993
0:18:44	0.75022769	0.411094725
0:18:48	0.758759141	0.418038458
0:18:52	0.767290592	0.402234495
0:18:56	0.772988915	0.386430532
0:19:00	0.777742863	0.389041275
0:19:04	0.78249687	0.410066783
0:19:08	0.767407358	0.431092262

0:19:12	0.752317786	0.438400149
0:19:16	0.729599118	0.445708007
0:19:20	0.699251235	0.446326166
0:19:24	0.668903351	0.440254569
0:19:28	0.625755668	0.434182972
0:19:32	0.582608044	0.420326501
0:19:36	0.549489439	0.406470001
0:19:40	0.52639991	0.389910698
0:19:44	0.503310382	0.370648563
0:19:48	0.476496965	0.351386428
0:19:52	0.449683547	0.329670012
0:19:56	0.416702598	0.307953626
0:20:00	0.377554119	0.285160273
0:20:04	0.338405669	0.261289984
0:20:08	0.293863147	0.23741971
0:20:12	0.249320656	0.20944871
0:20:16	0.21532847	0.181477711
0:20:20	0.191886604	0.152413338
0:20:24	0.168444753	0.122255579
0:20:28	0.164989516	0.092097826
0:20:32	0.16153428	0.064982533
0:20:36	0.159856126	0.037867244
0:20:40	0.159955084	0.011721895
0:20:44	0.160054043	-0.013453512
0:20:48	0.147964299	-0.038628917
0:20:52	0.135874569	-0.060118832
0:20:56	0.123784833	-0.081608742
0:21:00	0.111695096	-0.100404285
0:21:04	0.099605359	-0.116505459

0:21:08	0.079348914	-0.132606626
0:21:12	0.059092466	-0.144333169
0:21:16	0.042184882	-0.156059712
0:21:20	0.028626161	-0.166475266
0:21:24	0.015067438	-0.175579831
0:21:28	0.017848149	-0.184684396
0:21:32	0.020628858	-0.191529721
0:21:36	0.02340957	-0.198375061
0:21:40	0.026190279	-0.204115883
0:21:44	0.02897099	-0.208752215
0:21:48	0.0401677	-0.213388532
0:21:52	0.051364414	-0.276733637
0:21:56	0.060832068	-0.340078741
0:22:00	0.068570666	-0.41006881
0:22:04	0.076309264	-0.486703902
0:22:08	0.077436797	-0.563338995
0:22:12	0.078564331	-0.593666375
0:22:16	0.080322295	-0.623993754
0:22:20	0.082710676	-0.643087745
0:22:24	0.085099056	-0.650948226
0:22:28	0.082506008	-0.658808768
0:22:32	0.079912961	-0.657201767
0:22:36	0.077319913	-0.655594766
0:22:40	0.074726865	-0.652006507
0:22:44	0.072133817	-0.646437109
0:22:48	0.057510268	-0.64086771
0:22:52	0.042886719	-0.635298252
0:22:56	0.041184116	-0.629728854
0:23:00	0.052402459	-0.624159396

0:23:04	0.063620806	-0.618589997
0:23:08	0.059617702	-0.613020539
0:23:12	0.055614598	-0.607451141
0:23:16	0.053781591	-0.601881742
0:23:20	0.054118682	-0.596915305
0:23:24	0.054455772	-0.592551947
0:23:28	0.052727923	-0.588188529
0:23:32	0.051000077	-0.586968243
0:23:36	0.053232357	-0.585747957
0:23:40	0.059424762	-0.586513758
0:23:44	0.065617166	-0.589265585
0:23:48	0.089973457	-0.592017412
0:23:52	0.114329748	-0.596220434
0:23:56	0.131035417	-0.600423455
0:24:00	0.140090451	-0.604626536
0:24:04	0.149145499	-0.608829558
0:24:08	0.142941609	-0.613032579
0:24:12	0.136737719	-0.614885211
0:24:16	0.139026091	-0.616737843
0:24:20	0.149806708	-0.616955578
0:24:24	0.160587341	-0.615538418
0:24:28	0.176043928	-0.614121258
0:24:32	0.191500515	-0.609662473
0:24:36	0.20613879	-0.605203629
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