

```
>> Untitled4  
Action_DEAF.csv
```

```
-----  
***Row Num = 1  
Min = 0.908200  
Max = 0.968750  
Mean = 0.938599  
std = 0.013063  
RMS = 0.938688  
-----
```

```
***Row Num = 2  
Min = -0.392580  
Max = -0.267090  
Mean = -0.326205  
std = 0.027859  
RMS = 0.327366  
-----
```

```
***Row Num = 3  
Min = 0.038574  
Max = 0.153810  
Mean = 0.079357  
std = 0.033287  
RMS = 0.085909  
-----
```

```
***Row Num = 4  
Min = -0.896000  
Max = 1.389600  
Mean = 0.361405  
std = 0.812836  
RMS = 0.881079  
-----
```

```
***Row Num = 5  
Min = 0.207520  
Max = 0.726560  
Mean = 0.369829  
std = 0.181298  
RMS = 0.410969  
-----
```

```
***Row Num = 6  
Min = -0.087891  
Max = 0.600100  
Mean = 0.169002  
std = 0.166548  
RMS = 0.235944  
-----
```

```
***Row Num = 7  
Min = -4.000000  
Max = 19.000000  
Mean = 0.000000  
std = 3.839816
```

RMS = 3.795931

***Row Num = 8
Min = -13.000000
Max = 6.000000
Mean = -1.386364
std = 2.821973
RMS = 3.115212

***Row Num = 9
Min = -4.000000
Max = 1.000000
Mean = -1.068182
std = 1.189053
RMS = 1.588310

***Row Num = 10
Min = -3.000000
Max = 1.000000
Mean = -0.818182
std = 1.105435
RMS = 1.365151

***Row Num = 11
Min = -4.000000
Max = 2.000000
Mean = -1.113636
std = 1.466144
RMS = 1.827815

***Row Num = 12
Min = -14.000000
Max = 6.000000
Mean = -1.568182
std = 2.765214
RMS = 3.151479

***Row Num = 13
Min = -28.000000
Max = 12.000000
Mean = -1.363636
std = 6.153429
RMS = 6.234071

***Row Num = 14
Min = -5.000000
Max = 4.000000
Mean = -0.954545
std = 1.940445
RMS = 2.142641

***Row Num = 15
Min = -32.000000
Max = 31.000000
Mean = 3.613636
std = 13.910371
RMS = 14.218266

***Row Num = 16
Min = -8.000000
Max = 17.000000
Mean = 0.340909
std = 5.890249
RMS = 5.832900

***Row Num = 17
Min = -13.000000
Max = 17.000000
Mean = 0.454545
std = 4.976477
RMS = 4.940556

***Row Num = 18
Min = -5.000000
Max = 9.000000
Mean = -0.181818
std = 2.830669
RMS = 2.804218

***Row Num = 19
Min = -9.000000
Max = 17.000000
Mean = -0.272727
std = 3.955353
RMS = 3.919647

***Row Num = 20
Min = -6.000000
Max = 19.000000
Mean = 2.363636
std = 4.993442
RMS = 5.473075

***Row Num = 21
Min = -19.000000
Max = 36.000000
Mean = -0.113636
std = 8.861245
RMS = 8.760708

```
***Row Num = 22
Min = -32.000000
Max = 73.000000
Mean = -1.522727
std = 14.708783
RMS = 14.620192
```

```
***Row Num = 23
Min = -25.438000
Max = 28.188000
Mean = 1.144898
std = 8.522337
RMS = 8.502373
```

```
***Row Num = 24
Min = -25.438000
Max = 28.188000
Mean = 1.144898
std = 8.522337
RMS = 8.502373
```

```
***Row Num = 25
Min = -25.438000
Max = 28.188000
Mean = 1.144898
std = 8.522337
RMS = 8.502373
```

```
***Row Num = 26
Min = -50.438000
Max = 67.188000
Mean = 1.731545
std = 17.740781
RMS = 17.623293
```

```
***Row Num = 27
Min = -50.438000
Max = 67.188000
Mean = 1.731545
std = 17.740781
RMS = 17.623293
```

```
***Row Num = 28
Min = -50.438000
Max = 67.188000
Mean = 1.731545
std = 17.740781
RMS = 17.623293
```

```
***Row Num = 29
```

```
Min = 2.742900
Max = 3.048900
Mean = 2.861123
std = 0.111111
RMS = 2.863230
```

```
***Row Num = 30
Min = 2.991600
Max = 3.102100
Mean = 3.044139
std = 0.045583
RMS = 3.044472
```

```
***Row Num = 31
Min = 6.898900
Max = 7.213700
Mean = 7.068959
std = 0.138508
RMS = 7.070285
```

```
***Row Num = 32
Min = 6.306100
Max = 7.553700
Mean = 6.981398
std = 0.268580
RMS = 6.986445
```

```
***Row Num = 33
Min = 2.846500
Max = 6.574500
Mean = 4.122898
std = 1.655878
RMS = 4.435978
```

```
***Row Num = 34
Min = 0.253250
Max = 9.967000
Mean = 6.330342
std = 3.877397
RMS = 7.400388
```

```
***Row Num = 35
Min = 0.896000
Max = 0.960940
Mean = 0.930974
std = 0.015814
RMS = 0.931106
```

```
***Row Num = 36
Min = -0.387700
```

```
Max = -0.308590
Mean = -0.342540
std = 0.022830
RMS = 0.343283
```

```
***Row Num = 37
Min = -0.005859
Max = 0.191890
Mean = 0.090476
std = 0.041730
RMS = 0.099437
```

```
***Row Num = 38
Min = -0.886720
Max = 1.425800
Mean = 0.267223
std = 0.824892
RMS = 0.858132
```

```
***Row Num = 39
Min = 0.193850
Max = 0.868160
Mean = 0.404874
std = 0.178663
RMS = 0.441722
```

```
***Row Num = 40
Min = -0.103030
Max = 0.640140
Mean = 0.203436
std = 0.187621
RMS = 0.275296
```

```
***Row Num = 41
Min = -4.000000
Max = 5.000000
Mean = -0.409091
std = 2.149291
RMS = 2.163751
```

```
***Row Num = 42
Min = -6.000000
Max = 2.000000
Mean = -1.022727
std = 1.704831
RMS = 1.971386
```

```
***Row Num = 43
Min = -3.000000
Max = 1.000000
```

```
Mean = -1.181818
std = 0.994701
RMS = 1.537412
```

```
-----
***Row Num = 44
Min = -4.000000
Max = 1.000000
Mean = -0.863636
std = 1.069469
RMS = 1.365151
```

```
-----
***Row Num = 45
Min = -3.000000
Max = 2.000000
Mean = -0.863636
std = 1.212165
RMS = 1.477098
```

```
-----
***Row Num = 46
Min = -5.000000
Max = 5.000000
Mean = -0.795455
std = 1.746485
RMS = 1.900957
```

```
-----
***Row Num = 47
Min = -7.000000
Max = 22.000000
Mean = 0.159091
std = 4.280530
RMS = 4.234598
```

```
-----
***Row Num = 48
Min = -4.000000
Max = 5.000000
Mean = -1.136364
std = 1.875062
RMS = 2.174229
```

```
-----
***Row Num = 49
Min = -75.000000
Max = 42.000000
Mean = -3.659091
std = 20.359494
RMS = 20.456717
```

```
-----
***Row Num = 50
Min = -33.000000
Max = 19.000000
Mean = -3.022727
```

```
std = 8.968909
RMS = 9.367497
```

```
-----
***Row Num = 51
Min = -25.000000
Max = 13.000000
Mean = -1.886364
std = 6.552883
RMS = 6.747053
```

```
-----
***Row Num = 52
Min = -9.000000
Max = 6.000000
Mean = -1.250000
std = 2.989322
RMS = 3.208653
```

```
-----
***Row Num = 53
Min = -66.000000
Max = 27.000000
Mean = -1.750000
std = 11.745608
RMS = 11.742502
```

```
-----
***Row Num = 54
Min = -20.000000
Max = 37.000000
Mean = 2.409091
std = 12.821345
RMS = 12.901726
```

```
-----
***Row Num = 55
Min = -18.000000
Max = 38.000000
Mean = 0.954545
std = 10.245713
RMS = 10.173495
```

```
-----
***Row Num = 56
Min = -40.000000
Max = 24.000000
Mean = -1.750000
std = 11.235585
RMS = 11.244190
```

```
-----
***Row Num = 57
Min = -42.688000
Max = 33.250000
Mean = -0.794068
std = 12.860642
```


RMS = 12.738433

***Row Num = 58
Min = -42.688000
Max = 33.250000
Mean = -0.794068
std = 12.860642
RMS = 12.738433

***Row Num = 59
Min = -42.688000
Max = 33.250000
Mean = -0.794068
std = 12.860642
RMS = 12.738433

***Row Num = 60
Min = -67.000000
Max = 60.188000
Mean = 2.005705
std = 22.161624
RMS = 21.999959

***Row Num = 61
Min = -67.000000
Max = 60.188000
Mean = 2.005705
std = 22.161624
RMS = 21.999959

***Row Num = 62
Min = -67.000000
Max = 60.188000
Mean = 2.005705
std = 22.161624
RMS = 21.999959

***Row Num = 63
Min = 2.686400
Max = 3.095300
Mean = 2.892775
std = 0.132682
RMS = 2.895747

***Row Num = 64
Min = 3.028600
Max = 3.128900
Mean = 3.077811
std = 0.045648
RMS = 3.078142

***Row Num = 65
Min = 6.896400
Max = 7.201200
Mean = 7.038618
std = 0.114286
RMS = 7.039525

***Row Num = 66
Min = 6.276300
Max = 7.467500
Mean = 6.932693
std = 0.287631
RMS = 6.938522

***Row Num = 67
Min = 2.885200
Max = 6.624600
Mean = 4.381964
std = 1.674920
RMS = 4.684357

***Row Num = 68
Min = 0.018220
Max = 9.984100
Mean = 5.921347
std = 4.056689
RMS = 7.151577

***Row Num = 69
Min = 0.884770
Max = 0.967770
Mean = 0.934227
std = 0.013220
RMS = 0.934318

***Row Num = 70
Min = -0.372070
Max = -0.302250
Mean = -0.338689
std = 0.013867
RMS = 0.338967

***Row Num = 71
Min = 0.039551
Max = 0.146970
Mean = 0.076261
std = 0.022901
RMS = 0.079550

```
***Row Num = 72
Min = -0.866210
Max = 1.314900
Mean = 0.225263
std = 0.819718
RMS = 0.841077
```

```
***Row Num = 73
Min = 0.108400
Max = 0.775880
Mean = 0.427934
std = 0.182256
RMS = 0.464316
```

```
***Row Num = 74
Min = -0.136720
Max = 0.715330
Mean = 0.237571
std = 0.182784
RMS = 0.298481
```

```
***Row Num = 75
Min = -3.000000
Max = 5.000000
Mean = -1.227273
std = 1.411969
RMS = 1.858641
```

```
***Row Num = 76
Min = -10.000000
Max = 1.000000
Mean = -1.454545
std = 1.823038
RMS = 2.315953
```

```
***Row Num = 77
Min = -4.000000
Max = 1.000000
Mean = -1.000000
std = 1.011561
RMS = 1.414214
```

```
***Row Num = 78
Min = -3.000000
Max = 1.000000
Mean = -0.818182
std = 1.062527
RMS = 1.331438
```

```
***Row Num = 79
```

```
Min = -3.000000
Max = 2.000000
Mean = -0.840909
std = 1.218905
RMS = 1.469385
```

```
***Row Num = 80
Min = -8.000000
Max = 4.000000
Mean = -1.250000
std = 1.658312
RMS = 2.061553
```

```
***Row Num = 81
Min = -12.000000
Max = 11.000000
Mean = -1.045455
std = 3.589096
RMS = 3.698894
```

```
***Row Num = 82
Min = -6.000000
Max = 3.000000
Mean = -0.954545
std = 1.554507
RMS = 1.809068
```

```
***Row Num = 83
Min = -52.000000
Max = 34.000000
Mean = -3.204545
std = 14.439255
RMS = 14.629516
```

```
***Row Num = 84
Min = -62.000000
Max = 16.000000
Mean = -1.409091
std = 11.320527
RMS = 11.279507
```

```
***Row Num = 85
Min = -43.000000
Max = 29.000000
Mean = 0.431818
std = 9.796529
RMS = 9.694188
```

```
***Row Num = 86
Min = -21.000000
```

```
Max = 9.000000  
Mean = -1.136364  
std = 4.791421  
RMS = 4.871065
```

```
***Row Num = 87  
Min = -73.000000  
Max = 22.000000  
Mean = -1.704545  
std = 12.275102  
RMS = 12.253942
```

```
***Row Num = 88  
Min = -47.000000  
Max = 54.000000  
Mean = 0.227273  
std = 13.814155  
RMS = 13.658164
```

```
***Row Num = 89  
Min = -17.000000  
Max = 31.000000  
Mean = -0.636364  
std = 9.683577  
RMS = 9.594032
```

```
***Row Num = 90  
Min = -46.000000  
Max = 25.000000  
Mean = -3.090909  
std = 13.545476  
RMS = 13.742767
```

```
***Row Num = 91  
Min = -32.313000  
Max = 42.875000  
Mean = 0.734386  
std = 12.076283  
RMS = 11.960830
```

```
***Row Num = 92  
Min = -32.313000  
Max = 42.875000  
Mean = 0.734386  
std = 12.076283  
RMS = 11.960830
```

```
***Row Num = 93  
Min = -32.313000  
Max = 42.875000
```

```
Mean = 0.734386
std = 12.076283
RMS = 11.960830
```

```
-----
***Row Num = 94
Min = -70.563000
Max = 44.125000
Mean = -1.681818
std = 21.855190
RMS = 21.670768
```

```
-----
***Row Num = 95
Min = -70.563000
Max = 44.125000
Mean = -1.681818
std = 21.855190
RMS = 21.670768
```

```
-----
***Row Num = 96
Min = -70.563000
Max = 44.125000
Mean = -1.681818
std = 21.855190
RMS = 21.670768
```

```
-----
***Row Num = 97
Min = 2.754200
Max = 2.960500
Mean = 2.841568
std = 0.057785
RMS = 2.842142
```

```
-----
***Row Num = 98
Min = 3.044900
Max = 3.075600
Mean = 3.062377
std = 0.009499
RMS = 3.062392
```

```
-----
***Row Num = 99
Min = 7.098700
Max = 7.180000
Mean = 7.122320
std = 0.015592
RMS = 7.122337
```

```
-----
***Row Num = 100
Min = 6.225400
Max = 7.300900
Mean = 6.814930
```

```
std = 0.232387  
RMS = 6.818801
```

```
-----  
***Row Num = 101  
Min = 2.866600  
Max = 6.537800  
Mean = 4.427555  
std = 1.646603  
RMS = 4.717300
```

```
-----  
***Row Num = 102  
Min = 0.155930  
Max = 9.982500  
Mean = 5.936923  
std = 4.057670  
RMS = 7.165023
```

```
-----  
***Row Num = 103  
Min = 0.893550  
Max = 0.963870  
Mean = 0.931740  
std = 0.012808  
RMS = 0.931826
```

```
-----  
***Row Num = 104  
Min = -0.397460  
Max = -0.300290  
Mean = -0.344227  
std = 0.017925  
RMS = 0.344683
```

```
-----  
***Row Num = 105  
Min = 0.057129  
Max = 0.147950  
Mean = 0.087991  
std = 0.017179  
RMS = 0.089615
```

```
-----  
***Row Num = 106  
Min = -0.909670  
Max = 1.236300  
Mean = 0.143041  
std = 0.822203  
RMS = 0.825296
```

```
-----  
***Row Num = 107  
Min = 0.096191  
Max = 1.068400  
Mean = 0.472125  
std = 0.187956
```

RMS = 0.507372

***Row Num = 108

Min = -0.200680

Max = 0.793460

Mean = 0.270097

std = 0.221116

RMS = 0.347467

***Row Num = 109

Min = -5.000000

Max = 1.000000

Mean = -1.227273

std = 1.327064

RMS = 1.796461

***Row Num = 110

Min = -4.000000

Max = 3.000000

Mean = -0.659091

std = 1.119451

RMS = 1.288057

***Row Num = 111

Min = -4.000000

Max = 1.000000

Mean = -1.181818

std = 1.105435

RMS = 1.609630

***Row Num = 112

Min = -4.000000

Max = 1.000000

Mean = -0.954545

std = 1.055540

RMS = 1.414214

***Row Num = 113

Min = -3.000000

Max = 1.000000

Mean = -1.000000

std = 1.034296

RMS = 1.430194

***Row Num = 114

Min = -6.000000

Max = 4.000000

Mean = -0.795455

std = 1.390659

RMS = 1.588310

***Row Num = 115
Min = -19.000000
Max = 32.000000
Mean = -0.272727
std = 5.985889
RMS = 5.923758

***Row Num = 116
Min = -6.000000
Max = 2.000000
Mean = -1.000000
std = 1.462715
RMS = 1.758098

***Row Num = 117
Min = -42.000000
Max = 38.000000
Mean = -3.409091
std = 15.655177
RMS = 15.847283

***Row Num = 118
Min = -21.000000
Max = 63.000000
Mean = 0.181818
std = 12.832141
RMS = 12.686786

***Row Num = 119
Min = -67.000000
Max = 22.000000
Mean = -4.863636
std = 15.570680
RMS = 16.142828

***Row Num = 120
Min = -17.000000
Max = 16.000000
Mean = -0.659091
std = 5.057544
RMS = 5.042997

***Row Num = 121
Min = -38.000000
Max = 72.000000
Mean = 0.386364
std = 13.171880
RMS = 13.027070

```
***Row Num = 122  
Min = -19.000000  
Max = 28.000000  
Mean = 1.295455  
std = 8.780474  
RMS = 8.776259
```

```
***Row Num = 123  
Min = -27.000000  
Max = 33.000000  
Mean = 1.500000  
std = 11.138661  
RMS = 11.113055
```

```
***Row Num = 124  
Min = -40.000000  
Max = 44.000000  
Mean = 0.909091  
std = 16.978534  
RMS = 16.809088
```

```
***Row Num = 125  
Min = -22.000000  
Max = 34.188000  
Mean = 0.271341  
std = 9.913138  
RMS = 9.803597
```

```
***Row Num = 126  
Min = -22.000000  
Max = 34.188000  
Mean = 0.271341  
std = 9.913138  
RMS = 9.803597
```

```
***Row Num = 127  
Min = -22.000000  
Max = 34.188000  
Mean = 0.271341  
std = 9.913138  
RMS = 9.803597
```

```
***Row Num = 128  
Min = -76.938000  
Max = 76.688000  
Mean = 2.265659  
std = 27.770052  
RMS = 27.546003
```

```
***Row Num = 129
```

```
Min = -76.938000
Max = 76.688000
Mean = 2.265659
std = 27.770052
RMS = 27.546003
```

```
***Row Num = 130
Min = -76.938000
Max = 76.688000
Mean = 2.265659
std = 27.770052
RMS = 27.546003
```

```
***Row Num = 131
Min = 2.812300
Max = 2.979000
Mean = 2.883107
std = 0.055000
RMS = 2.883619
```

```
***Row Num = 132
Min = 3.060900
Max = 3.093200
Mean = 3.077236
std = 0.010808
RMS = 3.077255
```

```
***Row Num = 133
Min = 7.033200
Max = 7.138200
Mean = 7.085866
std = 0.023613
RMS = 7.085904
```

```
***Row Num = 134
Min = 6.250900
Max = 7.256100
Mean = 6.803982
std = 0.292412
RMS = 6.810120
```

```
***Row Num = 135
Min = 2.882500
Max = 6.596500
Mean = 4.627745
std = 1.620807
RMS = 4.897279
```

```
***Row Num = 136
Min = 0.020836
```

```
Max = 9.928800
Mean = 5.757254
std = 4.168979
RMS = 7.080350
```

```
***Row Num = 137
Min = 0.897950
Max = 0.954100
Mean = 0.932274
std = 0.010462
RMS = 0.932331
```

```
***Row Num = 138
Min = -0.386230
Max = -0.321780
Mean = -0.346791
std = 0.014852
RMS = 0.347102
```

```
***Row Num = 139
Min = 0.059082
Max = 0.137700
Mean = 0.083507
std = 0.014943
RMS = 0.084804
```

```
***Row Num = 140
Min = -0.892090
Max = 1.191400
Mean = 0.083996
std = 0.813421
RMS = 0.808500
```

```
***Row Num = 141
Min = 0.215330
Max = 0.936520
Mean = 0.495562
std = 0.179755
RMS = 0.526459
```

```
***Row Num = 142
Min = -0.131840
Max = 0.733400
Mean = 0.298339
std = 0.221693
RMS = 0.370185
```

```
***Row Num = 143
Min = -5.000000
Max = 3.000000
```

```
Mean = -0.818182
std = 1.244013
RMS = 1.477098
```

```
***Row Num = 144
Min = -3.000000
Max = 1.000000
Mean = -0.954545
std = 0.913835
RMS = 1.314257
```

```
***Row Num = 145
Min = -3.000000
Max = 0.000000
Mean = -1.250000
std = 0.967495
RMS = 1.573935
```

```
***Row Num = 146
Min = -4.000000
Max = 1.000000
Mean = -1.295455
std = 1.001848
RMS = 1.630672
```

```
***Row Num = 147
Min = -3.000000
Max = 1.000000
Mean = -1.068182
std = 0.925045
RMS = 1.406155
```

```
***Row Num = 148
Min = -3.000000
Max = 4.000000
Mean = -0.977273
std = 1.454562
RMS = 1.738599
```

```
***Row Num = 149
Min = -11.000000
Max = 29.000000
Mean = 0.068182
std = 5.707595
RMS = 5.642775
```

```
***Row Num = 150
Min = -5.000000
Max = 2.000000
Mean = -0.954545
```

```
std = 1.461992
RMS = 1.732051
```

```
-----
***Row Num = 151
Min = -46.000000
Max = 34.000000
Mean = -1.772727
std = 16.674537
RMS = 16.579012
```

```
-----
***Row Num = 152
Min = -30.000000
Max = 66.000000
Mean = -1.090909
std = 14.285817
RMS = 14.164617
```

```
-----
***Row Num = 153
Min = -37.000000
Max = 24.000000
Mean = -3.295455
std = 10.208477
RMS = 10.616240
```

```
-----
***Row Num = 154
Min = -36.000000
Max = 10.000000
Mean = -2.409091
std = 7.108194
RMS = 7.428447
```

```
-----
***Row Num = 155
Min = -38.000000
Max = 41.000000
Mean = 1.250000
std = 11.539870
RMS = 11.476260
```

```
-----
***Row Num = 156
Min = -13.000000
Max = 37.000000
Mean = 1.386364
std = 8.167479
RMS = 8.192291
```

```
-----
***Row Num = 157
Min = -32.000000
Max = 30.000000
Mean = -1.000000
std = 11.301369
```

RMS = 11.216870

***Row Num = 158
Min = -24.000000
Max = 27.000000
Mean = 0.590909
std = 10.345920
RMS = 10.244733

***Row Num = 159
Min = -27.500000
Max = 35.688000
Mean = -0.237170
std = 10.504009
RMS = 10.386667

***Row Num = 160
Min = -27.500000
Max = 35.688000
Mean = -0.237170
std = 10.504009
RMS = 10.386667

***Row Num = 161
Min = -27.500000
Max = 35.688000
Mean = -0.237170
std = 10.504009
RMS = 10.386667

***Row Num = 162
Min = -61.125000
Max = 83.750000
Mean = 5.789830
std = 26.571525
RMS = 26.898357

***Row Num = 163
Min = -61.125000
Max = 83.750000
Mean = 5.789830
std = 26.571525
RMS = 26.898357

***Row Num = 164
Min = -61.125000
Max = 83.750000
Mean = 5.789830
std = 26.571525
RMS = 26.898357

***Row Num = 165

Min = 2.828500

Max = 2.947400

Mean = 2.862336

std = 0.031550

RMS = 2.862506

***Row Num = 166

Min = 3.056100

Max = 3.096200

Mean = 3.076361

std = 0.013293

RMS = 3.076389

***Row Num = 167

Min = 7.104600

Max = 7.219100

Mean = 7.139973

std = 0.022974

RMS = 7.140009

***Row Num = 168

Min = 6.234800

Max = 7.288700

Mean = 6.772925

std = 0.295369

RMS = 6.779216

***Row Num = 169

Min = 2.907300

Max = 6.548100

Mean = 4.736620

std = 1.585064

RMS = 4.989078

***Row Num = 170

Min = 0.170360

Max = 9.942000

Mean = 5.596829

std = 4.236121

RMS = 6.990091

***Row Num = 171

Min = 0.892580

Max = 0.960940

Mean = 0.934803

std = 0.011875

RMS = 0.934877

```
***Row Num = 172
Min = -0.380370
Max = -0.301760
Mean = -0.339656
std = 0.018244
RMS = 0.340134
```

```
***Row Num = 173
Min = 0.066895
Max = 0.140140
Mean = 0.086437
std = 0.013280
RMS = 0.087428
```

```
***Row Num = 174
Min = -0.840330
Max = 1.318400
Mean = 0.402413
std = 0.806601
RMS = 0.893171
```

```
***Row Num = 175
Min = 0.165530
Max = 0.698240
Mean = 0.381459
std = 0.176504
RMS = 0.419472
```

```
***Row Num = 176
Min = -0.274410
Max = 0.583010
Mean = 0.181852
std = 0.173662
RMS = 0.250086
```

```
***Row Num = 177
Min = -4.000000
Max = 1.000000
Mean = -1.204545
std = 1.192604
RMS = 1.685500
```

```
***Row Num = 178
Min = -3.000000
Max = 2.000000
Mean = -1.022727
std = 1.248043
RMS = 1.602555
```

```
***Row Num = 179
```

```
Min = -3.000000
Max = 1.000000
Mean = -1.159091
std = 0.986966
RMS = 1.515076
```

```
***Row Num = 180
Min = -3.000000
Max = 2.000000
Mean = -0.954545
std = 1.077347
RMS = 1.430194
```

```
***Row Num = 181
Min = -3.000000
Max = 2.000000
Mean = -1.022727
std = 1.045225
RMS = 1.453835
```

```
***Row Num = 182
Min = -3.000000
Max = 1.000000
Mean = -1.159091
std = 1.119451
RMS = 1.602555
```

```
***Row Num = 183
Min = -6.000000
Max = 4.000000
Mean = -0.886364
std = 1.919495
RMS = 2.094365
```

```
***Row Num = 184
Min = -4.000000
Max = 2.000000
Mean = -1.227273
std = 1.291540
RMS = 1.770978
```

```
***Row Num = 185
Min = -52.000000
Max = 34.000000
Mean = -4.659091
std = 21.403046
RMS = 21.665326
```

```
***Row Num = 186
Min = -30.000000
```

```
Max = 35.000000
Mean = -0.613636
std = 11.934347
RMS = 11.813898
```

```
***Row Num = 187
Min = -13.000000
Max = 75.000000
Mean = 1.500000
std = 12.403113
RMS = 12.352769
```

```
***Row Num = 188
Min = -7.000000
Max = 33.000000
Mean = 0.818182
std = 6.875209
RMS = 6.845702
```

```
***Row Num = 189
Min = -20.000000
Max = 74.000000
Mean = 3.250000
std = 16.788874
RMS = 16.912206
```

```
***Row Num = 190
Min = -31.000000
Max = 27.000000
Mean = 0.477273
std = 9.038647
RMS = 8.948083
```

```
***Row Num = 191
Min = -32.000000
Max = 12.000000
Mean = -1.181818
std = 8.035597
RMS = 8.031189
```

```
***Row Num = 192
Min = -31.000000
Max = 47.000000
Mean = -3.045455
std = 13.278685
RMS = 13.475567
```

```
***Row Num = 193
Min = -17.750000
Max = 33.500000
```

```
Mean = 0.586648
std = 9.072743
RMS = 8.988216
```

```
-----
***Row Num = 194
Min = -17.750000
Max = 33.500000
Mean = 0.586648
std = 9.072743
RMS = 8.988216
```

```
-----
***Row Num = 195
Min = -17.750000
Max = 33.500000
Mean = 0.586648
std = 9.072743
RMS = 8.988216
```

```
-----
***Row Num = 196
Min = -59.875000
Max = 34.438000
Mean = -5.245773
std = 18.109462
RMS = 18.655222
```

```
-----
***Row Num = 197
Min = -59.875000
Max = 34.438000
Mean = -5.245773
std = 18.109462
RMS = 18.655222
```

```
-----
***Row Num = 198
Min = -59.875000
Max = 34.438000
Mean = -5.245773
std = 18.109462
RMS = 18.655222
```

```
-----
***Row Num = 199
Min = 2.836600
Max = 2.971400
Mean = 2.904995
std = 0.039090
RMS = 2.905252
```

```
-----
***Row Num = 200
Min = 3.047900
Max = 3.094100
Mean = 3.065830
```

```
std = 0.015320  
RMS = 3.065867
```

```
-----  
***Row Num = 201  
Min = 7.106500  
Max = 7.218400  
Mean = 7.146675  
std = 0.023924  
RMS = 7.146714
```

```
-----  
***Row Num = 202  
Min = 6.278400  
Max = 7.447900  
Mean = 6.926420  
std = 0.217091  
RMS = 6.929744
```

```
-----  
***Row Num = 203  
Min = 2.827200  
Max = 6.473200  
Mean = 4.050064  
std = 1.577604  
RMS = 4.339964
```

```
-----  
***Row Num = 204  
Min = 0.130300  
Max = 9.919700  
Mean = 6.251286  
std = 3.729783  
RMS = 7.257665
```

```
-----  
***Row Num = 205  
Min = 0.897950  
Max = 0.957520  
Mean = 0.931352  
std = 0.009169  
RMS = 0.931396
```

```
-----  
***Row Num = 206  
Min = -0.373050  
Max = -0.320800  
Mean = -0.345959  
std = 0.012371  
RMS = 0.346175
```

```
-----  
***Row Num = 207  
Min = 0.061035  
Max = 0.114260  
Mean = 0.088168  
std = 0.010973
```

RMS = 0.088833

***Row Num = 208

Min = -0.899410

Max = 1.282700

Mean = 0.038399

std = 0.818638

RMS = 0.810192

***Row Num = 209

Min = 0.143070

Max = 0.834470

Mean = 0.520764

std = 0.165256

RMS = 0.545787

***Row Num = 210

Min = -0.060547

Max = 0.938480

Mean = 0.294811

std = 0.194705

RMS = 0.352082

***Row Num = 211

Min = -4.000000

Max = 0.000000

Mean = -1.000000

std = 0.988304

RMS = 1.398051

***Row Num = 212

Min = -3.000000

Max = 2.000000

Mean = -0.681818

std = 1.073415

RMS = 1.261312

***Row Num = 213

Min = -2.000000

Max = 2.000000

Mean = -0.977273

std = 1.067242

RMS = 1.438117

***Row Num = 214

Min = -3.000000

Max = 1.000000

Mean = -1.022727

std = 1.130726

RMS = 1.515076

***Row Num = 215
Min = -3.000000
Max = 0.000000
Mean = -1.045455
std = 0.861436
RMS = 1.348400

***Row Num = 216
Min = -3.000000
Max = 1.000000
Mean = -0.613636
std = 0.920463
RMS = 1.097518

***Row Num = 217
Min = -4.000000
Max = 5.000000
Mean = -0.704545
std = 1.692384
RMS = 1.815339

***Row Num = 218
Min = -3.000000
Max = 3.000000
Mean = -0.863636
std = 1.268416
RMS = 1.522558

***Row Num = 219
Min = -65.000000
Max = 33.000000
Mean = -1.681818
std = 20.379850
RMS = 20.217005

***Row Num = 220
Min = -62.000000
Max = 32.000000
Mean = -2.363636
std = 12.529205
RMS = 12.609520

***Row Num = 221
Min = -41.000000
Max = 76.000000
Mean = 1.181818
std = 20.831855
RMS = 20.627651

```
***Row Num = 222
Min = -14.000000
Max = 24.000000
Mean = -0.522727
std = 7.365819
RMS = 7.300374
```

```
-----
***Row Num = 223
Min = -39.000000
Max = 18.000000
Mean = -1.772727
std = 12.218674
RMS = 12.208417
```

```
-----
***Row Num = 224
Min = -52.000000
Max = 32.000000
Mean = 0.386364
std = 13.786100
RMS = 13.634015
```

```
-----
***Row Num = 225
Min = -27.000000
Max = 26.000000
Mean = -0.613636
std = 10.876080
RMS = 10.769274
```

```
-----
***Row Num = 226
Min = -37.000000
Max = 27.000000
Mean = 1.068182
std = 12.852287
RMS = 12.750223
```

```
-----
***Row Num = 227
Min = -10.188000
Max = 22.813000
Mean = 1.129284
std = 6.655222
RMS = 6.675375
```

```
-----
***Row Num = 228
Min = -10.188000
Max = 22.813000
Mean = 1.129284
std = 6.655222
RMS = 6.675375
```

```
-----
***Row Num = 229
```



```
Min = -10.188000
Max = 22.813000
Mean = 1.129284
std = 6.655222
RMS = 6.675375
```

```
-----
***Row Num = 230
Min = -43.688000
Max = 43.938000
Mean = 0.616466
std = 19.982496
RMS = 19.763734
```

```
-----
***Row Num = 231
Min = -43.688000
Max = 43.938000
Mean = 0.616466
std = 19.982496
RMS = 19.763734
```

```
-----
***Row Num = 232
Min = -43.688000
Max = 43.938000
Mean = 0.616466
std = 19.982496
RMS = 19.763734
```

```
-----
***Row Num = 233
Min = 2.861100
Max = 2.974600
Mean = 2.907452
std = 0.035874
RMS = 2.907669
```

```
-----
***Row Num = 234
Min = 3.063600
Max = 3.091100
Mean = 3.079252
std = 0.008112
RMS = 3.079263
```

```
-----
***Row Num = 235
Min = 7.159700
Max = 7.245600
Mean = 7.189130
std = 0.018333
RMS = 7.189152
```

```
-----
***Row Num = 236
Min = 6.279000
```

```
Max = 7.069300
Mean = 6.733625
std = 0.236760
RMS = 6.737692
```

```
***Row Num = 237
Min = 3.000300
Max = 6.502500
Mean = 4.879580
std = 1.528183
RMS = 5.108088
```

```
***Row Num = 238
Min = 0.010064
Max = 9.994300
Mean = 5.779733
std = 4.332020
RMS = 7.193414
```

```
***Row Num = 239
Min = 0.869140
Max = 0.954100
Mean = 0.911864
std = 0.015671
RMS = 0.911996
```

```
***Row Num = 240
Min = -0.447750
Max = -0.335940
Mean = -0.388894
std = 0.029229
RMS = 0.389966
```

```
***Row Num = 241
Min = 0.066406
Max = 0.190430
Mean = 0.117720
std = 0.026978
RMS = 0.120703
```

```
***Row Num = 242
Min = -0.926760
Max = 1.423800
Mean = 0.103792
std = 0.860458
RMS = 0.856932
```

```
***Row Num = 243
Min = 0.200680
Max = 0.937010
```

```
Mean = 0.465387
std = 0.184682
RMS = 0.499918
```

```
***Row Num = 244
Min = -0.159180
Max = 0.724610
Mean = 0.132591
std = 0.188904
RMS = 0.229029
```

```
***Row Num = 245
Min = -4.000000
Max = 7.000000
Mean = -0.977273
std = 1.810674
RMS = 2.039385
```

```
***Row Num = 246
Min = -3.000000
Max = 5.000000
Mean = -0.431818
std = 1.662133
RMS = 1.698930
```

```
***Row Num = 247
Min = -5.000000
Max = 3.000000
Mean = -0.909091
std = 1.394644
RMS = 1.651446
```

```
***Row Num = 248
Min = -4.000000
Max = 1.000000
Mean = -1.204545
std = 1.024798
RMS = 1.573935
```

```
***Row Num = 249
Min = -3.000000
Max = 1.000000
Mean = -1.136364
std = 0.978630
RMS = 1.492405
```

```
***Row Num = 250
Min = -8.000000
Max = 5.000000
Mean = -0.840909
```

```
std = 1.803655  
RMS = 1.971386
```

```
-----  
***Row Num = 251  
Min = -41.000000  
Max = 19.000000  
Mean = -0.840909  
std = 7.198007  
RMS = 7.165257
```

```
-----  
***Row Num = 252  
Min = -8.000000  
Max = 3.000000  
Mean = -0.681818  
std = 1.926229  
RMS = 2.022600
```

```
-----  
***Row Num = 253  
Min = -47.000000  
Max = 42.000000  
Mean = -3.386364  
std = 17.303335  
RMS = 17.437551
```

```
-----  
***Row Num = 254  
Min = -21.000000  
Max = 44.000000  
Mean = -0.227273  
std = 9.557327  
RMS = 9.450830
```

```
-----  
***Row Num = 255  
Min = -35.000000  
Max = 23.000000  
Mean = -1.477273  
std = 8.793466  
RMS = 8.817596
```

```
-----  
***Row Num = 256  
Min = -14.000000  
Max = 5.000000  
Mean = -1.409091  
std = 3.871891  
RMS = 4.078770
```

```
-----  
***Row Num = 257  
Min = -37.000000  
Max = 43.000000  
Mean = -1.318182  
std = 10.351436
```

RMS = 10.317681

***Row Num = 258
Min = -71.000000
Max = 38.000000
Mean = -0.704545
std = 16.650413
RMS = 16.475188

***Row Num = 259
Min = -34.000000
Max = 52.000000
Mean = -0.704545
std = 12.392007
RMS = 12.270623

***Row Num = 260
Min = -23.000000
Max = 49.000000
Mean = -0.931818
std = 13.737401
RMS = 13.612327

***Row Num = 261
Min = -17.250000
Max = 44.125000
Mean = 2.379284
std = 11.136681
RMS = 11.263565

***Row Num = 262
Min = -17.250000
Max = 44.125000
Mean = 2.379284
std = 11.136681
RMS = 11.263565

***Row Num = 263
Min = -17.250000
Max = 44.125000
Mean = 2.379284
std = 11.136681
RMS = 11.263565

***Row Num = 264
Min = -97.188000
Max = 118.440000
Mean = -2.600830
std = 32.423195
RMS = 32.157978

***Row Num = 265
Min = -97.188000
Max = 118.440000
Mean = -2.600830
std = 32.423195
RMS = 32.157978

***Row Num = 266
Min = -97.188000
Max = 118.440000
Mean = -2.600830
std = 32.423195
RMS = 32.157978

***Row Num = 267
Min = 2.924500
Max = 3.094900
Mean = 2.975843
std = 0.042713
RMS = 2.976143

***Row Num = 268
Min = 3.103100
Max = 3.212700
Mean = 3.162268
std = 0.043374
RMS = 3.162559

***Row Num = 269
Min = 6.855800
Max = 7.130500
Mean = 6.992207
std = 0.117812
RMS = 6.993177

***Row Num = 270
Min = 6.401900
Max = 7.657200
Mean = 7.138705
std = 0.304635
RMS = 7.145054

***Row Num = 271
Min = 2.888400
Max = 6.612000
Mean = 4.671852
std = 1.720563
RMS = 4.971847

```
***Row Num = 272
Min = 0.013754
Max = 9.942100
Mean = 5.469072
std = 4.057456
RMS = 6.782296
```

```
***Row Num = 273
Min = 0.902830
Max = 0.948240
Mean = 0.922852
std = 0.009258
RMS = 0.922897
```

```
***Row Num = 274
Min = -0.440920
Max = -0.311520
Mean = -0.367277
std = 0.021447
RMS = 0.367888
```

```
***Row Num = 275
Min = 0.061523
Max = 0.133790
Mean = 0.095825
std = 0.014979
RMS = 0.096962
```

```
***Row Num = 276
Min = -0.933590
Max = 1.435500
Mean = 0.022449
std = 0.815752
RMS = 0.806741
```

```
***Row Num = 277
Min = 0.210450
Max = 0.958500
Mean = 0.505450
std = 0.161828
RMS = 0.530163
```

```
***Row Num = 278
Min = -0.316410
Max = 0.729980
Mean = 0.261808
std = 0.215454
RMS = 0.337504
```

```
***Row Num = 279
```

```
Min = -3.000000
Max = 1.000000
Mean = -0.886364
std = 1.039139
RMS = 1.356801
```

```
***Row Num = 280
Min = -4.000000
Max = 1.000000
Mean = -1.272727
std = 1.042440
RMS = 1.637626
```

```
***Row Num = 281
Min = -3.000000
Max = 1.000000
Mean = -1.090909
std = 0.830191
RMS = 1.365151
```

```
***Row Num = 282
Min = -3.000000
Max = 1.000000
Mean = -0.840909
std = 0.913546
RMS = 1.233988
```

```
***Row Num = 283
Min = -3.000000
Max = 0.000000
Mean = -1.181818
std = 0.842828
RMS = 1.445998
```

```
***Row Num = 284
Min = -2.000000
Max = 2.000000
Mean = -0.795455
std = 1.024798
RMS = 1.288057
```

```
***Row Num = 285
Min = -15.000000
Max = 16.000000
Mean = -0.750000
std = 3.773377
RMS = 3.804901
```

```
***Row Num = 286
Min = -7.000000
```



```
Max = 2.000000  
Mean = -1.022727  
std = 1.547521  
RMS = 1.840207
```

```
***Row Num = 287  
Min = -36.000000  
Max = 23.000000  
Mean = -3.022727  
std = 15.049513  
RMS = 15.181478
```

```
***Row Num = 288  
Min = -24.000000  
Max = 15.000000  
Mean = -0.022727  
std = 7.394179  
RMS = 7.309707
```

```
***Row Num = 289  
Min = -62.000000  
Max = 11.000000  
Mean = -2.750000  
std = 10.899381  
RMS = 11.120211
```

```
***Row Num = 290  
Min = -13.000000  
Max = 10.000000  
Mean = -1.090909  
std = 3.709311  
RMS = 3.825750
```

```
***Row Num = 291  
Min = -17.000000  
Max = 18.000000  
Mean = -0.318182  
std = 5.281705  
RMS = 5.231026
```

```
***Row Num = 292  
Min = -46.000000  
Max = 19.000000  
Mean = -1.977273  
std = 10.478080  
RMS = 10.545357
```

```
***Row Num = 293  
Min = -33.000000  
Max = 13.000000
```

```
Mean = -2.204545
std = 8.737994
RMS = 8.915003
```

```
-----
***Row Num = 294
Min = -18.000000
Max = 26.000000
Mean = -1.659091
std = 8.954519
RMS = 9.006311
```

```
-----
***Row Num = 295
Min = -13.750000
Max = 27.813000
Mean = 0.826716
std = 8.224847
RMS = 8.172767
```

```
-----
***Row Num = 296
Min = -13.750000
Max = 27.813000
Mean = 0.826716
std = 8.224847
RMS = 8.172767
```

```
-----
***Row Num = 297
Min = -13.750000
Max = 27.813000
Mean = 0.826716
std = 8.224847
RMS = 8.172767
```

```
-----
***Row Num = 298
Min = -81.000000
Max = 56.063000
Mean = 8.548364
std = 27.435968
RMS = 28.437639
```

```
-----
***Row Num = 299
Min = -81.000000
Max = 56.063000
Mean = 8.548364
std = 27.435968
RMS = 28.437639
```

```
-----
***Row Num = 300
Min = -81.000000
Max = 56.063000
Mean = 8.548364
```

```
std = 27.435968
RMS = 28.437639
```

```
-----
***Row Num = 301
Min = 2.881900
Max = 2.998600
Mean = 2.918482
std = 0.032369
RMS = 2.918657
```

```
-----
***Row Num = 302
Min = 3.102300
Max = 3.132800
Mean = 3.121766
std = 0.008939
RMS = 3.121778
```

```
-----
***Row Num = 303
Min = 7.149600
Max = 7.262300
Mean = 7.209036
std = 0.034343
RMS = 7.209116
```

```
-----
***Row Num = 304
Min = 6.332300
Max = 7.394400
Mean = 6.867980
std = 0.290398
RMS = 6.873977
```

```
-----
***Row Num = 305
Min = 2.924700
Max = 6.623900
Mean = 4.924677
std = 1.585566
RMS = 5.168107
```

```
-----
***Row Num = 306
Min = 0.044496
Max = 9.987200
Mean = 7.991350
std = 2.940907
RMS = 8.503766
```

```
-----
***Row Num = 307
Min = 0.883790
Max = 0.964360
Mean = 0.925959
std = 0.012998
```

RMS = 0.926048

***Row Num = 308

Min = -0.422850

Max = -0.301760

Mean = -0.361439

std = 0.023827

RMS = 0.362206

***Row Num = 309

Min = 0.032227

Max = 0.157710

Mean = 0.094149

std = 0.021832

RMS = 0.096591

***Row Num = 310

Min = -0.901370

Max = 1.302700

Mean = -0.031185

std = 0.802051

RMS = 0.793498

***Row Num = 311

Min = 0.148440

Max = 0.839360

Mean = 0.488803

std = 0.178036

RMS = 0.519523

***Row Num = 312

Min = -0.184570

Max = 0.812500

Mean = 0.227783

std = 0.232527

RMS = 0.323613

***Row Num = 313

Min = -3.000000

Max = 3.000000

Mean = -0.704545

std = 1.339551

RMS = 1.500000

***Row Num = 314

Min = -15.000000

Max = 2.000000

Mean = -1.636364

std = 2.382991

RMS = 2.868322

***Row Num = 315
Min = -4.000000
Max = 1.000000
Mean = -1.113636
std = 1.261522
RMS = 1.671961

***Row Num = 316
Min = -3.000000
Max = 1.000000
Mean = -0.795455
std = 1.047245
RMS = 1.305582

***Row Num = 317
Min = -6.000000
Max = 1.000000
Mean = -1.272727
std = 1.300512
RMS = 1.809068

***Row Num = 318
Min = -9.000000
Max = 7.000000
Mean = -0.863636
std = 2.267987
RMS = 2.402650

***Row Num = 319
Min = -27.000000
Max = 25.000000
Mean = -0.045455
std = 6.860587
RMS = 6.782330

***Row Num = 320
Min = -5.000000
Max = 3.000000
Mean = -0.909091
std = 1.596773
RMS = 1.821588

***Row Num = 321
Min = -48.000000
Max = 43.000000
Mean = -1.659091
std = 20.972788
RMS = 20.799366

```
***Row Num = 322
Min = -36.000000
Max = 13.000000
Mean = -3.272727
std = 9.529303
RMS = 9.972690
```

```
***Row Num = 323
Min = -65.000000
Max = 21.000000
Mean = -4.136364
std = 12.435117
RMS = 12.970246
```

```
***Row Num = 324
Min = -18.000000
Max = 5.000000
Mean = -1.863636
std = 4.262279
RMS = 4.607306
```

```
***Row Num = 325
Min = -32.000000
Max = 61.000000
Mean = -0.977273
std = 11.932930
RMS = 11.836961
```

```
***Row Num = 326
Min = -40.000000
Max = 64.000000
Mean = -1.022727
std = 16.429538
RMS = 16.273933
```

```
***Row Num = 327
Min = -21.000000
Max = 28.000000
Mean = 1.136364
std = 10.038509
RMS = 9.988630
```

```
***Row Num = 328
Min = -34.000000
Max = 65.000000
Mean = -0.886364
std = 14.480486
RMS = 14.342404
```

```
***Row Num = 329
```

```
Min = -18.063000
Max = 35.688000
Mean = 0.941739
std = 9.834779
RMS = 9.767881
```

```
-----
***Row Num = 330
Min = -18.063000
Max = 35.688000
Mean = 0.941739
std = 9.834779
RMS = 9.767881
```

```
-----
***Row Num = 331
Min = -18.063000
Max = 35.688000
Mean = 0.941739
std = 9.834779
RMS = 9.767881
```

```
-----
***Row Num = 332
Min = -88.500000
Max = 79.063000
Mean = 4.545511
std = 30.361315
RMS = 30.356563
```

```
-----
***Row Num = 333
Min = -88.500000
Max = 79.063000
Mean = 4.545511
std = 30.361315
RMS = 30.356563
```

```
-----
***Row Num = 334
Min = -88.500000
Max = 79.063000
Mean = 4.545511
std = 30.361315
RMS = 30.356563
```

```
-----
***Row Num = 335
Min = 2.867800
Max = 3.027100
Mean = 2.916316
std = 0.038829
RMS = 2.916569
```

```
-----
***Row Num = 336
Min = 3.076400
```

```
Max = 3.130100
Mean = 3.110827
std = 0.014315
RMS = 3.110859
```

```
***Row Num = 337
Min = 7.285200
Max = 7.439600
Mean = 7.353795
std = 0.050600
RMS = 7.353966
```

```
***Row Num = 338
Min = 6.276300
Max = 7.450900
Mean = 6.992620
std = 0.346768
RMS = 7.001018
```

```
***Row Num = 339
Min = 2.882700
Max = 6.604700
Mean = 4.958832
std = 1.626585
RMS = 5.213028
```

```
***Row Num = 340
Min = 0.023510
Max = 9.926600
Mean = 6.854541
std = 3.747649
RMS = 7.791688
```

```
***Row Num = 341
Min = 0.882320
Max = 0.943850
Mean = 0.929332
std = 0.010468
RMS = 0.929390
```

```
***Row Num = 342
Min = -0.402340
Max = -0.312500
Mean = -0.351119
std = 0.018339
RMS = 0.351587
```

```
***Row Num = 343
Min = 0.036621
Max = 0.136230
```



```
Mean = 0.091619
std = 0.019614
RMS = 0.093649
```

```
-----
***Row Num = 344
Min = -0.925290
Max = 1.439500
Mean = 0.281028
std = 0.852695
RMS = 0.888561
```

```
-----
***Row Num = 345
Min = 0.196290
Max = 0.685060
Mean = 0.410333
std = 0.159199
RMS = 0.439479
```

```
-----
***Row Num = 346
Min = -0.257320
Max = 0.693850
Mean = 0.192183
std = 0.172761
RMS = 0.257104
```

```
-----
***Row Num = 347
Min = -7.000000
Max = 4.000000
Mean = -1.204545
std = 1.759751
RMS = 2.115957
```

```
-----
***Row Num = 348
Min = -5.000000
Max = 11.000000
Mean = -0.568182
std = 2.171675
RMS = 2.220770
```

```
-----
***Row Num = 349
Min = -3.000000
Max = 3.000000
Mean = -1.136364
std = 1.192826
RMS = 1.637626
```

```
-----
***Row Num = 350
Min = -4.000000
Max = 1.000000
Mean = -1.068182
```

```
std = 1.065260  
RMS = 1.500000
```

```
-----  
***Row Num = 351  
Min = -3.000000  
Max = 1.000000  
Mean = -1.272727  
std = 0.973214  
RMS = 1.595448
```

```
-----  
***Row Num = 352  
Min = -7.000000  
Max = 7.000000  
Mean = -0.818182  
std = 1.991525  
RMS = 2.132007
```

```
-----  
***Row Num = 353  
Min = -14.000000  
Max = 29.000000  
Mean = 0.318182  
std = 6.283136  
RMS = 6.219471
```

```
-----  
***Row Num = 354  
Min = -5.000000  
Max = 3.000000  
Mean = -1.477273  
std = 1.758549  
RMS = 2.281347
```

```
-----  
***Row Num = 355  
Min = -58.000000  
Max = 48.000000  
Mean = -3.386364  
std = 20.238365  
RMS = 20.291624
```

```
-----  
***Row Num = 356  
Min = -68.000000  
Max = 72.000000  
Mean = -0.250000  
std = 18.629965  
RMS = 18.418740
```

```
-----  
***Row Num = 357  
Min = -11.000000  
Max = 59.000000  
Mean = 2.000000  
std = 13.176794
```

RMS = 13.178840

***Row Num = 358

Min = -7.000000

Max = 14.000000

Mean = -0.477273

std = 3.884906

RMS = 3.870048

***Row Num = 359

Min = -43.000000

Max = 12.000000

Mean = -2.613636

std = 8.319816

RMS = 8.630022

***Row Num = 360

Min = -24.000000

Max = 33.000000

Mean = -0.590909

std = 9.619066

RMS = 9.527472

***Row Num = 361

Min = -23.000000

Max = 15.000000

Mean = -0.409091

std = 7.604522

RMS = 7.528733

***Row Num = 362

Min = -24.000000

Max = 27.000000

Mean = -1.659091

std = 9.313514

RMS = 9.355358

***Row Num = 363

Min = -25.938000

Max = 32.063000

Mean = 1.480136

std = 8.694837

RMS = 8.721973

***Row Num = 364

Min = -25.938000

Max = 32.063000

Mean = 1.480136

std = 8.694837

RMS = 8.721973

***Row Num = 365
Min = -25.938000
Max = 32.063000
Mean = 1.480136
std = 8.694837
RMS = 8.721973

***Row Num = 366
Min = -81.375000
Max = 99.750000
Mean = -0.970159
std = 30.326754
RMS = 29.995844

***Row Num = 367
Min = -81.375000
Max = 99.750000
Mean = -0.970159
std = 30.326754
RMS = 29.995844

***Row Num = 368
Min = -81.375000
Max = 99.750000
Mean = -0.970159
std = 30.326754
RMS = 29.995844

***Row Num = 369
Min = 2.864800
Max = 2.995700
Mean = 2.912273
std = 0.029810
RMS = 2.912422

***Row Num = 370
Min = 3.079100
Max = 3.104700
Mean = 3.090880
std = 0.007702
RMS = 3.090889

***Row Num = 371
Min = 7.525100
Max = 7.621500
Mean = 7.573536
std = 0.035038
RMS = 7.573616

```
***Row Num = 372
Min = 6.257400
Max = 7.447000
Mean = 6.929000
std = 0.214539
RMS = 6.932245
```

```
***Row Num = 373
Min = 2.887000
Max = 6.586200
Mean = 4.339000
std = 1.667629
RMS = 4.641627
```

```
***Row Num = 374
Min = 0.021973
Max = 9.990400
Mean = 7.917398
std = 2.626550
RMS = 8.332296
```

```
***Row Num = 375
Min = 0.899410
Max = 0.963870
Mean = 0.928423
std = 0.010655
RMS = 0.928482
```

```
***Row Num = 376
Min = -0.419430
Max = -0.313480
Mean = -0.352339
std = 0.018747
RMS = 0.352826
```

```
***Row Num = 377
Min = 0.064453
Max = 0.132810
Mean = 0.088768
std = 0.012687
RMS = 0.089649
```

```
***Row Num = 378
Min = -0.943360
Max = 1.311500
Mean = 0.233465
std = 0.829905
RMS = 0.852992
```

```
***Row Num = 379
```

```
Min = 0.150880
Max = 1.005900
Mean = 0.428168
std = 0.184989
RMS = 0.465587
```

```
***Row Num = 380
Min = -0.083008
Max = 0.615230
Mean = 0.205189
std = 0.167727
RMS = 0.263809
```

```
***Row Num = 381
Min = -4.000000
Max = 1.000000
Mean = -1.090909
std = 1.095831
RMS = 1.537412
```

```
***Row Num = 382
Min = -3.000000
Max = 1.000000
Mean = -1.022727
std = 0.976197
RMS = 1.406155
```

```
***Row Num = 383
Min = -3.000000
Max = 1.000000
Mean = -1.159091
std = 1.140036
RMS = 1.616674
```

```
***Row Num = 384
Min = -3.000000
Max = 1.000000
Mean = -1.045455
std = 1.010516
RMS = 1.445998
```

```
***Row Num = 385
Min = -3.000000
Max = 2.000000
Mean = -1.045455
std = 1.077347
RMS = 1.492405
```

```
***Row Num = 386
Min = -3.000000
```

```
Max = 1.000000  
Mean = -1.272727  
std = 0.973214  
RMS = 1.595448
```

```
***Row Num = 387  
Min = -4.000000  
Max = 4.000000  
Mean = -0.545455  
std = 1.717956  
RMS = 1.783765
```

```
***Row Num = 388  
Min = -6.000000  
Max = 2.000000  
Mean = -1.136364  
std = 1.503344  
RMS = 1.870829
```

```
***Row Num = 389  
Min = -36.000000  
Max = 21.000000  
Mean = -1.750000  
std = 12.992171  
RMS = 12.962358
```

```
***Row Num = 390  
Min = -19.000000  
Max = 38.000000  
Mean = -0.386364  
std = 9.158084  
RMS = 9.061657
```

```
***Row Num = 391  
Min = -18.000000  
Max = 29.000000  
Mean = 0.250000  
std = 7.411885  
RMS = 7.331439
```

```
***Row Num = 392  
Min = -11.000000  
Max = 11.000000  
Mean = -0.386364  
std = 3.571306  
RMS = 3.551568
```

```
***Row Num = 393  
Min = -9.000000  
Max = 95.000000
```

```
Mean = 2.909091
std = 15.139381
RMS = 15.246460
```

```
-----
***Row Num = 394
Min = -29.000000
Max = 13.000000
Mean = -2.204545
std = 8.345949
RMS = 8.540013
```

```
-----
***Row Num = 395
Min = -32.000000
Max = 30.000000
Mean = -1.568182
std = 10.323596
RMS = 10.325388
```

```
-----
***Row Num = 396
Min = -36.000000
Max = 22.000000
Mean = -2.204545
std = 10.413720
RMS = 10.528101
```

```
-----
***Row Num = 397
Min = -14.500000
Max = 30.250000
Mean = 0.982955
std = 7.632512
RMS = 7.609038
```

```
-----
***Row Num = 398
Min = -14.500000
Max = 30.250000
Mean = 0.982955
std = 7.632512
RMS = 7.609038
```

```
-----
***Row Num = 399
Min = -14.500000
Max = 30.250000
Mean = 0.982955
std = 7.632512
RMS = 7.609038
```

```
-----
***Row Num = 400
Min = -87.250000
Max = 125.560000
Mean = -0.630705
```



```
std = 30.554122
RMS = 30.211504
```

```
-----
***Row Num = 401
Min = -87.250000
Max = 125.560000
Mean = -0.630705
std = 30.554122
RMS = 30.211504
```

```
-----
***Row Num = 402
Min = -87.250000
Max = 125.560000
Mean = -0.630705
std = 30.554122
RMS = 30.211504
```

```
-----
***Row Num = 403
Min = 2.852300
Max = 2.968800
Mean = 2.904843
std = 0.030316
RMS = 2.904998
```

```
-----
***Row Num = 404
Min = 3.081600
Max = 3.110800
Mean = 3.095514
std = 0.009057
RMS = 3.095527
```

```
-----
***Row Num = 405
Min = 7.634600
Max = 7.704900
Mean = 7.660509
std = 0.015234
RMS = 7.660524
```

```
-----
***Row Num = 406
Min = 6.174200
Max = 7.329000
Mean = 6.892752
std = 0.244978
RMS = 6.897005
```

```
-----
***Row Num = 407
Min = 2.882300
Max = 6.653600
Mean = 4.467439
std = 1.693670
```

RMS = 4.770884

***Row Num = 408

Min = 0.012070

Max = 9.964700

Mean = 7.576592

std = 3.057691

RMS = 8.157312

***Row Num = 409

Min = 0.901860

Max = 0.970210

Mean = 0.927645

std = 0.013428

RMS = 0.927740

***Row Num = 410

Min = -0.440920

Max = -0.280760

Mean = -0.354703

std = 0.029298

RMS = 0.355884

***Row Num = 411

Min = 0.041992

Max = 0.138180

Mean = 0.089922

std = 0.018070

RMS = 0.091679

***Row Num = 412

Min = -0.980470

Max = 1.538100

Mean = 0.305420

std = 0.812304

RMS = 0.859141

***Row Num = 413

Min = 0.140630

Max = 0.749510

Mean = 0.439720

std = 0.181895

RMS = 0.475066

***Row Num = 414

Min = -0.581050

Max = 0.910160

Mean = 0.239369

std = 0.238416

RMS = 0.335929

```
***Row Num = 415
Min = -4.000000
Max = 4.000000
Mean = -0.954545
std = 1.238051
RMS = 1.552125
```

```
***Row Num = 416
Min = -3.000000
Max = 7.000000
Mean = -0.750000
std = 1.713490
RMS = 1.852517
```

```
***Row Num = 417
Min = -3.000000
Max = 1.000000
Mean = -1.318182
std = 0.934425
RMS = 1.609630
```

```
***Row Num = 418
Min = -4.000000
Max = 1.000000
Mean = -1.000000
std = 1.120631
RMS = 1.492405
```

```
***Row Num = 419
Min = -4.000000
Max = 1.000000
Mean = -1.250000
std = 1.163895
RMS = 1.698930
```

```
***Row Num = 420
Min = -9.000000
Max = 5.000000
Mean = -1.113636
std = 1.907341
RMS = 2.189853
```

```
***Row Num = 421
Min = -20.000000
Max = 20.000000
Mean = -0.818182
std = 5.217469
RMS = 5.222330
```

```
***Row Num = 422
Min = -4.000000
Max = 3.000000
Mean = -1.000000
std = 1.509659
RMS = 1.796461
-----
```

```
***Row Num = 423
Min = -39.000000
Max = 22.000000
Mean = 1.931818
std = 11.883930
RMS = 11.905881
-----
```

```
***Row Num = 424
Min = -14.000000
Max = 34.000000
Mean = 1.000000
std = 8.918233
RMS = 8.872839
-----
```

```
***Row Num = 425
Min = -40.000000
Max = 19.000000
Mean = -2.545455
std = 9.867623
RMS = 10.081486
-----
```

```
***Row Num = 426
Min = -14.000000
Max = 12.000000
Mean = -1.295455
std = 4.359323
RMS = 4.500000
-----
```

```
***Row Num = 427
Min = -61.000000
Max = 25.000000
Mean = -1.022727
std = 11.626931
RMS = 11.539458
-----
```

```
***Row Num = 428
Min = -16.000000
Max = 20.000000
Mean = -0.704545
std = 7.617543
RMS = 7.563369
-----
```

```
***Row Num = 429
```

```
Min = -28.000000
Max = 31.000000
Mean = -2.454545
std = 9.893513
RMS = 10.083740
```

```
***Row Num = 430
Min = -14.000000
Max = 25.000000
Mean = -0.545455
std = 8.050580
RMS = 7.977240
```

```
***Row Num = 431
Min = -22.563000
Max = 32.563000
Mean = 0.686068
std = 9.837864
RMS = 9.749596
```

```
***Row Num = 432
Min = -22.563000
Max = 32.563000
Mean = 0.686068
std = 9.837864
RMS = 9.749596
```

```
***Row Num = 433
Min = -22.563000
Max = 32.563000
Mean = 0.686068
std = 9.837864
RMS = 9.749596
```

```
***Row Num = 434
Min = -84.875000
Max = 58.063000
Mean = 5.349489
std = 31.191994
RMS = 31.296090
```

```
***Row Num = 435
Min = -84.875000
Max = 58.063000
Mean = 5.349489
std = 31.191994
RMS = 31.296090
```

```
***Row Num = 436
Min = -84.875000
```

```
Max = 58.063000
Mean = 5.349489
std = 31.191994
RMS = 31.296090
```

```
***Row Num = 437
Min = 2.848600
Max = 2.970400
Mean = 2.903066
std = 0.032379
RMS = 2.903242
```

```
***Row Num = 438
Min = 3.086000
Max = 3.118300
Mean = 3.099414
std = 0.008602
RMS = 3.099425
```

```
***Row Num = 439
Min = 7.725300
Max = 7.799300
Mean = 7.759693
std = 0.017175
RMS = 7.759712
```

```
***Row Num = 440
Min = 6.267600
Max = 7.296400
Mean = 6.836982
std = 0.257515
RMS = 6.841720
```

```
***Row Num = 441
Min = 2.839300
Max = 6.627700
Mean = 4.341161
std = 1.604065
RMS = 4.621713
```

```
***Row Num = 442
Min = 0.012512
Max = 9.977200
Mean = 8.070872
std = 2.310127
RMS = 8.387751
```

```
***Row Num = 443
Min = 0.895020
Max = 0.962890
```

```
Mean = 0.926569
std = 0.012210
RMS = 0.926648
```

```
***Row Num = 444
Min = -0.443360
Max = -0.286620
Mean = -0.357744
std = 0.029235
RMS = 0.358909
```

```
***Row Num = 445
Min = 0.050293
Max = 0.145020
Mean = 0.087647
std = 0.018186
RMS = 0.089471
```

```
***Row Num = 446
Min = -0.952150
Max = 1.599600
Mean = 0.232832
std = 0.860214
RMS = 0.881681
```

```
***Row Num = 447
Min = 0.229490
Max = 0.684080
Mean = 0.405606
std = 0.156665
RMS = 0.434169
```

```
***Row Num = 448
Min = -0.315920
Max = 0.641110
Mean = 0.193582
std = 0.169736
RMS = 0.256183
```

```
***Row Num = 449
Min = -5.000000
Max = 2.000000
Mean = -0.931818
std = 1.469025
RMS = 1.725478
```

```
***Row Num = 450
Min = -7.000000
Max = 2.000000
Mean = -1.545455
```

```
std = 1.634718  
RMS = 2.236068
```

```
-----  
***Row Num = 451  
Min = -3.000000  
Max = 1.000000  
Mean = -1.090909  
std = 0.801690  
RMS = 1.348400
```

```
-----  
***Row Num = 452  
Min = -3.000000  
Max = 1.000000  
Mean = -0.977273  
std = 0.952076  
RMS = 1.356801
```

```
-----  
***Row Num = 453  
Min = -3.000000  
Max = 0.000000  
Mean = -1.022727  
std = 0.820908  
RMS = 1.305582
```

```
-----  
***Row Num = 454  
Min = -3.000000  
Max = 3.000000  
Mean = -0.636364  
std = 1.331041  
RMS = 1.461630
```

```
-----  
***Row Num = 455  
Min = -10.000000  
Max = 6.000000  
Mean = -0.181818  
std = 2.661288  
RMS = 2.637147
```

```
-----  
***Row Num = 456  
Min = -4.000000  
Max = 4.000000  
Mean = -0.909091  
std = 1.611271  
RMS = 1.834022
```

```
-----  
***Row Num = 457  
Min = -39.000000  
Max = 41.000000  
Mean = -0.477273  
std = 16.543795
```


RMS = 16.361679

***Row Num = 458

Min = -13.000000

Max = 19.000000

Mean = 0.340909

std = 6.826566

RMS = 6.757151

***Row Num = 459

Min = -23.000000

Max = 20.000000

Mean = -0.454545

std = 6.184958

RMS = 6.131143

***Row Num = 460

Min = -16.000000

Max = 5.000000

Mean = -1.750000

std = 3.538000

RMS = 3.910940

***Row Num = 461

Min = -45.000000

Max = 14.000000

Mean = -1.272727

std = 10.171469

RMS = 10.135446

***Row Num = 462

Min = -72.000000

Max = 29.000000

Mean = -1.409091

std = 14.921996

RMS = 14.818600

***Row Num = 463

Min = -41.000000

Max = 25.000000

Mean = -1.931818

std = 11.552504

RMS = 11.582707

***Row Num = 464

Min = -61.000000

Max = 33.000000

Mean = -1.340909

std = 17.565748

RMS = 17.416685

***Row Num = 465
Min = -26.625000
Max = 30.125000
Mean = 0.257114
std = 9.050884
RMS = 8.951136

***Row Num = 466
Min = -26.625000
Max = 30.125000
Mean = 0.257114
std = 9.050884
RMS = 8.951136

***Row Num = 467
Min = -26.625000
Max = 30.125000
Mean = 0.257114
std = 9.050884
RMS = 8.951136

***Row Num = 468
Min = -91.750000
Max = 90.000000
Mean = 0.490091
std = 27.561988
RMS = 27.251391

***Row Num = 469
Min = -91.750000
Max = 90.000000
Mean = 0.490091
std = 27.561988
RMS = 27.251391

***Row Num = 470
Min = -91.750000
Max = 90.000000
Mean = 0.490091
std = 27.561988
RMS = 27.251391

***Row Num = 471
Min = 2.845600
Max = 2.974500
Mean = 2.894618
std = 0.033452
RMS = 2.894807

```
***Row Num = 472
Min = 3.083600
Max = 3.119500
Mean = 3.100439
std = 0.011703
RMS = 3.100460
-----
```

```
***Row Num = 473
Min = 7.795100
Max = 7.878300
Mean = 7.830043
std = 0.015673
RMS = 7.830059
-----
```

```
***Row Num = 474
Min = 6.292100
Max = 7.371000
Mean = 6.915920
std = 0.245721
RMS = 6.920185
-----
```

```
***Row Num = 475
Min = 2.862200
Max = 6.655200
Mean = 4.480689
std = 1.691352
RMS = 4.782492
-----
```

```
***Row Num = 476
Min = 0.003742
Max = 9.789800
Mean = 7.637011
std = 2.845109
RMS = 8.138465
-----
```

```
***Row Num = 477
Min = 0.890630
Max = 0.959960
Mean = 0.931074
std = 0.012285
RMS = 0.931154
-----
```

```
***Row Num = 478
Min = -0.434080
Max = -0.306640
Mean = -0.348500
std = 0.021981
RMS = 0.349177
-----
```

```
***Row Num = 479
```

```
Min = 0.039551
Max = 0.119630
Mean = 0.079224
std = 0.015753
RMS = 0.080740
```

```
***Row Num = 480
Min = -0.945310
Max = 1.088400
Mean = 0.369718
std = 0.819813
RMS = 0.890792
```

```
***Row Num = 481
Min = 0.193360
Max = 0.874510
Mean = 0.368608
std = 0.169184
RMS = 0.404777
```

```
***Row Num = 482
Min = -0.088379
Max = 0.640630
Mean = 0.138727
std = 0.174574
RMS = 0.221424
```

```
***Row Num = 483
Min = -8.000000
Max = 2.000000
Mean = -1.159091
std = 1.569227
RMS = 1.936492
```

```
***Row Num = 484
Min = -6.000000
Max = 4.000000
Mean = -1.159091
std = 1.524119
RMS = 1.900957
```

```
***Row Num = 485
Min = -4.000000
Max = 1.000000
Mean = -1.250000
std = 1.081020
RMS = 1.644550
```

```
***Row Num = 486
Min = -4.000000
```

```
Max = 1.000000  
Mean = -1.204545  
std = 1.069222  
RMS = 1.602555
```

```
***Row Num = 487  
Min = -3.000000  
Max = 1.000000  
Mean = -1.090909  
std = 1.197248  
RMS = 1.609630
```

```
***Row Num = 488  
Min = -3.000000  
Max = 1.000000  
Mean = -1.000000  
std = 0.940064  
RMS = 1.365151
```

```
***Row Num = 489  
Min = -11.000000  
Max = 8.000000  
Mean = -0.772727  
std = 3.333157  
RMS = 3.384456
```

```
***Row Num = 490  
Min = -7.000000  
Max = 1.000000  
Mean = -1.227273  
std = 1.582809  
RMS = 1.988604
```

```
***Row Num = 491  
Min = -47.000000  
Max = 30.000000  
Mean = -2.181818  
std = 15.714418  
RMS = 15.687285
```

```
***Row Num = 492  
Min = -26.000000  
Max = 69.000000  
Mean = -0.545455  
std = 13.182890  
RMS = 13.043633
```

```
***Row Num = 493  
Min = -40.000000  
Max = 50.000000
```

```
Mean = -1.272727
std = 11.125842
RMS = 11.072078
```

```
***Row Num = 494
Min = -10.000000
Max = 9.000000
Mean = -1.000000
std = 3.569900
RMS = 3.668044
```

```
***Row Num = 495
Min = -41.000000
Max = 64.000000
Mean = -1.159091
std = 14.438230
RMS = 14.320202
```

```
***Row Num = 496
Min = -17.000000
Max = 18.000000
Mean = -0.250000
std = 6.520540
RMS = 6.450863
```

```
***Row Num = 497
Min = -45.000000
Max = 18.000000
Mean = -1.522727
std = 9.367158
RMS = 9.384465
```

```
***Row Num = 498
Min = -32.000000
Max = 41.000000
Mean = 0.590909
std = 11.396283
RMS = 11.281521
```

```
***Row Num = 499
Min = -24.750000
Max = 31.000000
Mean = 0.340932
std = 9.113382
RMS = 9.015674
```

```
***Row Num = 500
Min = -24.750000
Max = 31.000000
Mean = 0.340932
```

```
std = 9.113382
RMS = 9.015674
```

```
-----
***Row Num = 501
Min = -24.750000
Max = 31.000000
Mean = 0.340932
std = 9.113382
RMS = 9.015674
```

```
-----
***Row Num = 502
Min = -84.125000
Max = 69.313000
Mean = -2.473011
std = 25.996583
RMS = 25.818181
```

```
-----
***Row Num = 503
Min = -84.125000
Max = 69.313000
Mean = -2.473011
std = 25.996583
RMS = 25.818181
```

```
-----
***Row Num = 504
Min = -84.125000
Max = 69.313000
Mean = -2.473011
std = 25.996583
RMS = 25.818181
```

```
-----
***Row Num = 505
Min = 2.820800
Max = 2.955700
Mean = 2.867018
std = 0.032888
RMS = 2.867203
```

```
-----
***Row Num = 506
Min = 3.061500
Max = 3.108900
Mean = 3.082448
std = 0.015382
RMS = 3.082485
```

```
-----
***Row Num = 507
Min = 7.818700
Max = 7.902800
Mean = 7.862525
std = 0.024486
```

RMS = 7.862562

***Row Num = 508

Min = 6.234700

Max = 7.538000

Mean = 7.084011

std = 0.322270

RMS = 7.091172

***Row Num = 509

Min = 2.854400

Max = 6.697700

Mean = 4.128659

std = 1.683022

RMS = 4.451293

***Row Num = 510

Min = 0.062270

Max = 9.995700

Mean = 7.587505

std = 2.528537

RMS = 7.988643

***Row Num = 511

Min = 0.913570

Max = 0.947270

Mean = 0.927945

std = 0.007606

RMS = 0.927976

***Row Num = 512

Min = -0.389160

Max = -0.316890

Mean = -0.356680

std = 0.014502

RMS = 0.356968

***Row Num = 513

Min = 0.049805

Max = 0.128420

Mean = 0.085138

std = 0.017429

RMS = 0.086864

***Row Num = 514

Min = -0.890630

Max = 1.255400

Mean = -0.065231

std = 0.803049

RMS = 0.796547

***Row Num = 515
Min = 0.214840
Max = 0.785640
Mean = 0.499256
std = 0.156041
RMS = 0.522544

***Row Num = 516
Min = -0.187010
Max = 0.716310
Mean = 0.257635
std = 0.205586
RMS = 0.328148

***Row Num = 517
Min = -3.000000
Max = 1.000000
Mean = -0.795455
std = 0.851252
RMS = 1.157976

***Row Num = 518
Min = -3.000000
Max = 1.000000
Mean = -1.250000
std = 0.892475
RMS = 1.530003

***Row Num = 519
Min = -3.000000
Max = 2.000000
Mean = -1.022727
std = 0.927328
RMS = 1.373450

***Row Num = 520
Min = -2.000000
Max = 1.000000
Mean = -0.909091
std = 0.830191
RMS = 1.224745

***Row Num = 521
Min = -3.000000
Max = 0.000000
Mean = -1.295455
std = 0.978360
RMS = 1.616674

```
***Row Num = 522
Min = -4.000000
Max = 1.000000
Mean = -0.977273
std = 1.151109
RMS = 1.500000
```

```
***Row Num = 523
Min = -4.000000
Max = 2.000000
Mean = -0.795455
std = 1.503168
RMS = 1.685500
```

```
***Row Num = 524
Min = -5.000000
Max = 3.000000
Mean = -0.795455
std = 1.563829
RMS = 1.738599
```

```
***Row Num = 525
Min = -55.000000
Max = 37.000000
Mean = 2.477273
std = 18.139625
RMS = 18.102612
```

```
***Row Num = 526
Min = -25.000000
Max = 28.000000
Mean = 1.136364
std = 10.689249
RMS = 10.628008
```

```
***Row Num = 527
Min = -41.000000
Max = 19.000000
Mean = 0.159091
std = 9.233264
RMS = 9.129124
```

```
***Row Num = 528
Min = -13.000000
Max = 13.000000
Mean = 0.431818
std = 5.280053
RMS = 5.237539
```

```
***Row Num = 529
```

```
Min = -36.000000
Max = 81.000000
Mean = 1.477273
std = 15.148089
RMS = 15.047652
```

```
***Row Num = 530
Min = -22.000000
Max = 20.000000
Mean = -2.113636
std = 7.815357
RMS = 8.009937
```

```
***Row Num = 531
Min = -30.000000
Max = 35.000000
Mean = -2.818182
std = 11.381897
RMS = 11.599373
```

```
***Row Num = 532
Min = -29.000000
Max = 36.000000
Mean = -0.136364
std = 14.218545
RMS = 14.056703
```

```
***Row Num = 533
Min = -12.188000
Max = 23.125000
Mean = 0.642045
std = 7.307209
RMS = 7.252172
```

```
***Row Num = 534
Min = -12.188000
Max = 23.125000
Mean = 0.642045
std = 7.307209
RMS = 7.252172
```

```
***Row Num = 535
Min = -12.188000
Max = 23.125000
Mean = 0.642045
std = 7.307209
RMS = 7.252172
```

```
***Row Num = 536
Min = -38.750000
```

```
Max = 67.750000  
Mean = 6.183273  
std = 19.567338  
RMS = 20.307923
```

```
***Row Num = 537  
Min = -38.750000  
Max = 67.750000  
Mean = 6.183273  
std = 19.567338  
RMS = 20.307923
```

```
***Row Num = 538  
Min = -38.750000  
Max = 67.750000  
Mean = 6.183273  
std = 19.567338  
RMS = 20.307923
```

```
***Row Num = 539  
Min = 2.831300  
Max = 2.965700  
Mean = 2.878914  
std = 0.039549  
RMS = 2.879179
```

```
***Row Num = 540  
Min = 3.078500  
Max = 3.106500  
Mean = 3.097432  
std = 0.005877  
RMS = 3.097437
```

```
***Row Num = 541  
Min = 7.830300  
Max = 7.905100  
Mean = 7.860091  
std = 0.016118  
RMS = 7.860107
```

```
***Row Num = 542  
Min = 6.321500  
Max = 7.404000  
Mean = 6.897852  
std = 0.266065  
RMS = 6.902865
```

```
***Row Num = 543  
Min = 2.887600  
Max = 6.593000
```

Mean = 5.055970
std = 1.589059
RMS = 5.294389

***Row Num = 544
Min = 7.435300
Max = 9.824700
Mean = 8.873784
std = 0.883650
RMS = 8.916677

***Row Num = 545
Min = 0.902340
Max = 0.963380
Mean = 0.928145
std = 0.009578
RMS = 0.928193

***Row Num = 546
Min = -0.398930
Max = -0.324710
Mean = -0.358653
std = 0.015780
RMS = 0.358992

***Row Num = 547
Min = 0.059082
Max = 0.131840
Mean = 0.080300
std = 0.012064
RMS = 0.081181

***Row Num = 548
Min = -0.909670
Max = 1.403800
Mean = -0.332409
std = 0.741015
RMS = 0.804437

***Row Num = 549
Min = 0.249020
Max = 0.891600
Mean = 0.542458
std = 0.118806
RMS = 0.555026

***Row Num = 550
Min = -0.062988
Max = 0.769530
Mean = 0.286299

```
std = 0.204591  
RMS = 0.350533
```

```
-----  
***Row Num = 551  
Min = -5.000000  
Max = 1.000000  
Mean = -0.977273  
std = 1.088815  
RMS = 1.453835
```

```
-----  
***Row Num = 552  
Min = -4.000000  
Max = 1.000000  
Mean = -1.181818  
std = 0.994701  
RMS = 1.537412
```

```
-----  
***Row Num = 553  
Min = -3.000000  
Max = 2.000000  
Mean = -0.909091  
std = 1.137484  
RMS = 1.445998
```

```
-----  
***Row Num = 554  
Min = -3.000000  
Max = 1.000000  
Mean = -1.045455  
std = 0.987234  
RMS = 1.430194
```

```
-----  
***Row Num = 555  
Min = -4.000000  
Max = 2.000000  
Mean = -1.340909  
std = 1.218905  
RMS = 1.802776
```

```
-----  
***Row Num = 556  
Min = -6.000000  
Max = 6.000000  
Mean = -1.272727  
std = 1.834598  
RMS = 2.215647
```

```
-----  
***Row Num = 557  
Min = -12.000000  
Max = 17.000000  
Mean = -1.022727  
std = 3.726016
```

RMS = 3.822779

***Row Num = 558

Min = -6.000000
Max = 3.000000
Mean = -0.818182
std = 1.991525
RMS = 2.132007

***Row Num = 559

Min = -77.000000
Max = 42.000000
Mean = -0.409091
std = 20.782728
RMS = 20.549276

***Row Num = 560

Min = -23.000000
Max = 17.000000
Mean = -0.931818
std = 9.163623
RMS = 9.106691

***Row Num = 561

Min = -90.000000
Max = 87.000000
Mean = 0.409091
std = 27.372808
RMS = 27.063058

***Row Num = 562

Min = -24.000000
Max = 14.000000
Mean = -0.772727
std = 6.678197
RMS = 6.646941

***Row Num = 563

Min = -34.000000
Max = 15.000000
Mean = -4.136364
std = 9.056903
RMS = 9.862694

***Row Num = 564

Min = -29.000000
Max = 37.000000
Mean = 0.681818
std = 11.506869
RMS = 11.395773

***Row Num = 565
Min = -25.000000
Max = 21.000000
Mean = 2.363636
std = 9.659532
RMS = 9.837313

***Row Num = 566
Min = -53.000000
Max = 67.000000
Mean = -1.409091
std = 20.131334
RMS = 19.951077

***Row Num = 567
Min = -14.875000
Max = 24.313000
Mean = -0.455966
std = 7.780962
RMS = 7.705536

***Row Num = 568
Min = -14.875000
Max = 24.313000
Mean = -0.455966
std = 7.780962
RMS = 7.705536

***Row Num = 569
Min = -14.875000
Max = 24.313000
Mean = -0.455966
std = 7.780962
RMS = 7.705536

***Row Num = 570
Min = -90.438000
Max = 82.188000
Mean = 5.458830
std = 31.380135
RMS = 31.498124

***Row Num = 571
Min = -90.438000
Max = 82.188000
Mean = 5.458830
std = 31.380135
RMS = 31.498124

```
***Row Num = 572  
Min = -90.438000  
Max = 82.188000  
Mean = 5.458830  
std = 31.380135  
RMS = 31.498124
```

```
***Row Num = 573  
Min = 2.836400  
Max = 2.950800  
Mean = 2.862316  
std = 0.028805  
RMS = 2.862458
```

```
***Row Num = 574  
Min = 3.084200  
Max = 3.109300  
Mean = 3.099386  
std = 0.006470  
RMS = 3.099393
```

```
***Row Num = 575  
Min = 7.831300  
Max = 7.908700  
Mean = 7.863730  
std = 0.013350  
RMS = 7.863741
```

```
***Row Num = 576  
Min = 6.255800  
Max = 7.534700  
Mean = 6.853511  
std = 0.331349  
RMS = 6.861335
```

```
***Row Num = 577  
Min = 2.850100  
Max = 6.622000  
Mean = 5.622680  
std = 1.355315  
RMS = 5.780109
```

```
***Row Num = 578  
Min = 7.320400  
Max = 9.745800  
Mean = 9.121636  
std = 0.734766  
RMS = 9.150511
```

```
***Row Num = 579
```

```
Min = 0.901370
Max = 0.962890
Mean = 0.928866
std = 0.008846
RMS = 0.928907
```

```
***Row Num = 580
Min = -0.386230
Max = -0.310550
Mean = -0.355935
std = 0.015263
RMS = 0.356254
```

```
***Row Num = 581
Min = 0.055176
Max = 0.120610
Mean = 0.078181
std = 0.014305
RMS = 0.079449
```

```
***Row Num = 582
Min = -0.884280
Max = 1.321300
Mean = 0.112516
std = 0.826618
RMS = 0.824881
```

```
***Row Num = 583
Min = 0.209470
Max = 0.688480
Mean = 0.467308
std = 0.164963
RMS = 0.494945
```

```
***Row Num = 584
Min = -0.288570
Max = 0.761720
Mean = 0.265192
std = 0.208438
RMS = 0.335837
```

```
***Row Num = 585
Min = -3.000000
Max = 2.000000
Mean = -0.704545
std = 1.024798
RMS = 1.233988
```

```
***Row Num = 586
Min = -3.000000
```

```
Max = 1.000000  
Mean = -0.931818  
std = 0.873318  
RMS = 1.270290
```

```
***Row Num = 587  
Min = -6.000000  
Max = 2.000000  
Mean = -1.068182  
std = 1.283124  
RMS = 1.658312
```

```
***Row Num = 588  
Min = -3.000000  
Max = 1.000000  
Mean = -0.954545  
std = 0.938939  
RMS = 1.331438
```

```
***Row Num = 589  
Min = -3.000000  
Max = 2.000000  
Mean = -1.000000  
std = 1.161395  
RMS = 1.522558
```

```
***Row Num = 590  
Min = -5.000000  
Max = 2.000000  
Mean = -1.000000  
std = 1.311842  
RMS = 1.637626
```

```
***Row Num = 591  
Min = -4.000000  
Max = 3.000000  
Mean = -0.750000  
std = 1.571919  
RMS = 1.725478
```

```
***Row Num = 592  
Min = -4.000000  
Max = 3.000000  
Mean = -0.863636  
std = 1.440137  
RMS = 1.665151
```

```
***Row Num = 593  
Min = -38.000000  
Max = 40.000000
```

```
Mean = -0.500000  
std = 17.337283  
RMS = 17.146428
```

```
-----  
***Row Num = 594  
Min = -18.000000  
Max = 25.000000  
Mean = -1.659091  
std = 9.838092  
RMS = 9.866150
```

```
-----  
***Row Num = 595  
Min = -36.000000  
Max = 39.000000  
Mean = -0.454545  
std = 11.923115  
RMS = 11.795608
```

```
-----  
***Row Num = 596  
Min = -11.000000  
Max = 28.000000  
Mean = 0.250000  
std = 5.926390  
RMS = 5.863989
```

```
-----  
***Row Num = 597  
Min = -25.000000  
Max = 32.000000  
Mean = -1.113636  
std = 9.580057  
RMS = 9.535818
```

```
-----  
***Row Num = 598  
Min = -25.000000  
Max = 29.000000  
Mean = -0.136364  
std = 8.814868  
RMS = 8.715191
```

```
-----  
***Row Num = 599  
Min = -27.000000  
Max = 33.000000  
Mean = -1.909091  
std = 11.387096  
RMS = 11.417690
```

```
-----  
***Row Num = 600  
Min = -20.000000  
Max = 47.000000  
Mean = -0.909091
```

```
std = 12.426188  
RMS = 12.317762
```

```
-----  
***Row Num = 601  
Min = -12.813000  
Max = 33.188000  
Mean = 0.313943  
std = 8.746827  
RMS = 8.652558
```

```
-----  
***Row Num = 602  
Min = -12.813000  
Max = 33.188000  
Mean = 0.313943  
std = 8.746827  
RMS = 8.652558
```

```
-----  
***Row Num = 603  
Min = -12.813000  
Max = 33.188000  
Mean = 0.313943  
std = 8.746827  
RMS = 8.652558
```

```
-----  
***Row Num = 604  
Min = -66.125000  
Max = 42.813000  
Mean = 0.850864  
std = 23.289762  
RMS = 23.039301
```

```
-----  
***Row Num = 605  
Min = -66.125000  
Max = 42.813000  
Mean = 0.850864  
std = 23.289762  
RMS = 23.039301
```

```
-----  
***Row Num = 606  
Min = -66.125000  
Max = 42.813000  
Mean = 0.850864  
std = 23.289762  
RMS = 23.039301
```

```
-----  
***Row Num = 607  
Min = 2.806400  
Max = 2.922000  
Mean = 2.850173  
std = 0.032053
```

RMS = 2.850349

***Row Num = 608

Min = 3.080400

Max = 3.107500

Mean = 3.094720

std = 0.008669

RMS = 3.094732

***Row Num = 609

Min = 7.859200

Max = 7.933600

Mean = 7.884627

std = 0.015330

RMS = 7.884642

***Row Num = 610

Min = 6.249600

Max = 7.564800

Mean = 6.818882

std = 0.294538

RMS = 6.825096

***Row Num = 611

Min = 2.851100

Max = 6.542200

Mean = 4.699632

std = 1.614554

RMS = 4.963273

***Row Num = 612

Min = 7.078000

Max = 9.580000

Mean = 8.562759

std = 0.846527

RMS = 8.603555

***Row Num = 613

Min = 0.903810

Max = 0.981930

Mean = 0.929134

std = 0.011382

RMS = 0.929202

***Row Num = 614

Min = -0.397950

Max = -0.300290

Mean = -0.354914

std = 0.019035

RMS = 0.355413

***Row Num = 615
Min = 0.050293
Max = 0.135250
Mean = 0.078658
std = 0.017720
RMS = 0.080585

***Row Num = 616
Min = -0.902830
Max = 1.404300
Mean = 0.138128
std = 0.850818
RMS = 0.852361

***Row Num = 617
Min = 0.203130
Max = 0.775880
Mean = 0.475697
std = 0.166775
RMS = 0.503458

***Row Num = 618
Min = -0.253420
Max = 0.766110
Mean = 0.252098
std = 0.219583
RMS = 0.332678

***Row Num = 619
Min = -3.000000
Max = 5.000000
Mean = -0.727273
std = 1.387044
RMS = 1.552125

***Row Num = 620
Min = -6.000000
Max = 1.000000
Mean = -0.863636
std = 1.268416
RMS = 1.522558

***Row Num = 621
Min = -4.000000
Max = 2.000000
Mean = -1.272727
std = 1.300512
RMS = 1.809068

```
***Row Num = 622  
Min = -4.000000  
Max = 2.000000  
Mean = -1.000000  
std = 1.200775  
RMS = 1.552125
```

```
***Row Num = 623  
Min = -3.000000  
Max = 0.000000  
Mean = -1.022727  
std = 0.792072  
RMS = 1.288057
```

```
***Row Num = 624  
Min = -3.000000  
Max = 2.000000  
Mean = -0.795455  
std = 1.132594  
RMS = 1.373450
```

```
***Row Num = 625  
Min = -8.000000  
Max = 3.000000  
Mean = -0.431818  
std = 2.004619  
RMS = 2.028210
```

```
***Row Num = 626  
Min = -3.000000  
Max = 2.000000  
Mean = -0.886364  
std = 1.204949  
RMS = 1.484771
```

```
***Row Num = 627  
Min = -55.000000  
Max = 31.000000  
Mean = -2.863636  
std = 21.864903  
RMS = 21.803878
```

```
***Row Num = 628  
Min = -33.000000  
Max = 25.000000  
Mean = -1.681818  
std = 9.795046  
RMS = 9.828067
```

```
***Row Num = 629
```



```
Min = -63.000000
Max = 68.000000
Mean = -1.295455
std = 18.188393
RMS = 18.027126
```

```
***Row Num = 630
Min = -14.000000
Max = 35.000000
Mean = 1.704545
std = 9.128487
RMS = 9.183731
```

```
***Row Num = 631
Min = -34.000000
Max = 98.000000
Mean = 3.568182
std = 22.577410
RMS = 22.602795
```

```
***Row Num = 632
Min = -37.000000
Max = 44.000000
Mean = 0.295455
std = 13.460674
RMS = 13.310112
```

```
***Row Num = 633
Min = -27.000000
Max = 36.000000
Mean = 2.568182
std = 13.312693
RMS = 13.408783
```

```
***Row Num = 634
Min = -40.000000
Max = 18.000000
Mean = -5.613636
std = 15.008859
RMS = 15.863767
```

```
***Row Num = 635
Min = -14.688000
Max = 28.375000
Mean = 0.355091
std = 8.277661
RMS = 8.190756
```

```
***Row Num = 636
Min = -14.688000
```

```
Max = 28.375000
Mean = 0.355091
std = 8.277661
RMS = 8.190756
```

```
***Row Num = 637
Min = -14.688000
Max = 28.375000
Mean = 0.355091
std = 8.277661
RMS = 8.190756
```

```
***Row Num = 638
Min = -85.438000
Max = 71.875000
Mean = 3.275625
std = 29.467219
RMS = 29.314028
```

```
***Row Num = 639
Min = -85.438000
Max = 71.875000
Mean = 3.275625
std = 29.467219
RMS = 29.314028
```

```
***Row Num = 640
Min = -85.438000
Max = 71.875000
Mean = 3.275625
std = 29.467219
RMS = 29.314028
```

```
***Row Num = 641
Min = 2.823300
Max = 2.936000
Mean = 2.864909
std = 0.032180
RMS = 2.865086
```

```
***Row Num = 642
Min = 3.080000
Max = 3.105700
Mean = 3.091389
std = 0.006972
RMS = 3.091396
```

```
***Row Num = 643
Min = 7.856300
Max = 7.914700
```

```
Mean = 7.883473
std = 0.014562
RMS = 7.883486
```

```
-----
***Row Num = 644
Min = 6.329200
Max = 7.358700
Mean = 6.895909
std = 0.297995
RMS = 6.902199
```

```
-----
***Row Num = 645
Min = 2.895300
Max = 6.607400
Mean = 4.712711
std = 1.632186
RMS = 4.981278
```

```
-----
***Row Num = 646
Min = 7.257800
Max = 9.612700
Mean = 8.526600
std = 0.847217
RMS = 8.567635
```

```
-----
***Row Num = 647
Min = 0.912600
Max = 0.959470
Mean = 0.931719
std = 0.008538
RMS = 0.931757
```

```
-----
***Row Num = 648
Min = -0.408690
Max = -0.290530
Mean = -0.351052
std = 0.020432
RMS = 0.351632
```

```
-----
***Row Num = 649
Min = 0.012695
Max = 0.151860
Mean = 0.081110
std = 0.021321
RMS = 0.083804
```

```
-----
***Row Num = 650
Min = -0.912110
Max = 1.830100
Mean = 0.173618
```

```
std = 0.865302
RMS = 0.872854
```

```
-----
***Row Num = 651
Min = 0.106450
Max = 0.758300
Mean = 0.412488
std = 0.177795
RMS = 0.448373
```

```
-----
***Row Num = 652
Min = -0.316890
Max = 0.688480
Mean = 0.187367
std = 0.208718
RMS = 0.278711
```

```
-----
***Row Num = 653
Min = -7.000000
Max = 2.000000
Mean = -1.113636
std = 1.543417
RMS = 1.888963
```

```
-----
***Row Num = 654
Min = -5.000000
Max = 2.000000
Mean = -0.886364
std = 1.384565
RMS = 1.630672
```

```
-----
***Row Num = 655
Min = -4.000000
Max = 2.000000
Mean = -1.454545
std = 1.109254
RMS = 1.821588
```

```
-----
***Row Num = 656
Min = -3.000000
Max = 1.000000
Mean = -1.113636
std = 0.920463
RMS = 1.438117
```

```
-----
***Row Num = 657
Min = -3.000000
Max = 0.000000
Mean = -1.204545
std = 0.929605
```

RMS = 1.515076

***Row Num = 658

Min = -3.000000

Max = 2.000000

Mean = -0.954545

std = 1.077347

RMS = 1.430194

***Row Num = 659

Min = -6.000000

Max = 4.000000

Mean = -0.750000

std = 2.136341

RMS = 2.241144

***Row Num = 660

Min = -5.000000

Max = 4.000000

Mean = -1.204545

std = 1.772917

RMS = 2.126670

***Row Num = 661

Min = -79.000000

Max = 56.000000

Mean = 0.704545

std = 27.277710

RMS = 26.975157

***Row Num = 662

Min = -53.000000

Max = 18.000000

Mean = -0.681818

std = 11.874876

RMS = 11.758942

***Row Num = 663

Min = -54.000000

Max = 19.000000

Mean = -3.090909

std = 10.443242

RMS = 10.776658

***Row Num = 664

Min = -14.000000

Max = 18.000000

Mean = -0.568182

std = 6.285449

RMS = 6.239537

```
***Row Num = 665
Min = -22.000000
Max = 21.000000
Mean = -0.590909
std = 9.850790
RMS = 9.756117
```

```
***Row Num = 666
Min = -43.000000
Max = 36.000000
Mean = -0.590909
std = 15.687824
RMS = 15.519782
```

```
***Row Num = 667
Min = -24.000000
Max = 19.000000
Mean = 0.363636
std = 8.768577
RMS = 8.675986
```

```
***Row Num = 668
Min = -21.000000
Max = 33.000000
Mean = 1.295455
std = 10.544655
RMS = 10.504328
```

```
***Row Num = 669
Min = -18.750000
Max = 28.813000
Mean = 0.769898
std = 8.451090
RMS = 8.389903
```

```
***Row Num = 670
Min = -18.750000
Max = 28.813000
Mean = 0.769898
std = 8.451090
RMS = 8.389903
```

```
***Row Num = 671
Min = -18.750000
Max = 28.813000
Mean = 0.769898
std = 8.451090
RMS = 8.389903
```

```
***Row Num = 672  
Min = -46.938000  
Max = 51.875000  
Mean = 3.355136  
std = 17.045012  
RMS = 17.180989
```

```
***Row Num = 673  
Min = -46.938000  
Max = 51.875000  
Mean = 3.355136  
std = 17.045012  
RMS = 17.180989
```

```
***Row Num = 674  
Min = -46.938000  
Max = 51.875000  
Mean = 3.355136  
std = 17.045012  
RMS = 17.180989
```

```
***Row Num = 675  
Min = 2.837700  
Max = 2.963400  
Mean = 2.867102  
std = 0.027918  
RMS = 2.867235
```

```
***Row Num = 676  
Min = 3.076700  
Max = 3.101500  
Mean = 3.087245  
std = 0.007152  
RMS = 3.087254
```

```
***Row Num = 677  
Min = 7.860500  
Max = 7.942300  
Mean = 7.898200  
std = 0.018346  
RMS = 7.898221
```

```
***Row Num = 678  
Min = 6.269600  
Max = 7.348700  
Mean = 7.022573  
std = 0.283437  
RMS = 7.028160
```

```
***Row Num = 679
```

```
Min = 2.878100  
Max = 6.630500  
Mean = 4.557980  
std = 1.736792  
RMS = 4.870633
```

```
-----  
***Row Num = 680
```

```
Min = 7.384900  
Max = 9.629500  
Mean = 8.387380  
std = 0.917613  
RMS = 8.436291
```

```
>>
```