

```
>> Untitled4
Action_AND.csv
-----
***Row Num = 1
Min = 0.636720
Max = 1.341800
Mean = 0.941661
std = 0.091034
RMS = 0.945952
-----
***Row Num = 2
Min = -0.639160
Max = -0.248050
Mean = -0.321256
std = 0.084510
RMS = 0.331941
-----
***Row Num = 3
Min = -0.428220
Max = 0.313960
Mean = 0.004195
std = 0.129283
RMS = 0.127874
-----
***Row Num = 4
Min = -1.511700
Max = 2.179200
Mean = 0.700530
std = 0.668414
RMS = 0.962998
-----
***Row Num = 5
Min = -0.059570
Max = 1.085000
Mean = 0.343363
std = 0.305356
RMS = 0.457189
-----
***Row Num = 6
Min = -1.450200
Max = 1.233400
Mean = 0.068626
std = 0.343099
RMS = 0.346051
-----
***Row Num = 7
Min = -32.000000
Max = 11.000000
Mean = -1.613636
std = 7.412171
```

RMS = 7.503030

***Row Num = 8
Min = -37.000000
Max = 14.000000
Mean = -1.159091
std = 7.541955
RMS = 7.545318

***Row Num = 9
Min = -13.000000
Max = 11.000000
Mean = -1.022727
std = 4.043304
RMS = 4.125861

***Row Num = 10
Min = -8.000000
Max = 3.000000
Mean = -0.909091
std = 2.228966
RMS = 2.383656

***Row Num = 11
Min = -9.000000
Max = 6.000000
Mean = -0.977273
std = 2.645651
RMS = 2.792034

***Row Num = 12
Min = -13.000000
Max = 6.000000
Mean = -0.636364
std = 3.918299
RMS = 3.925441

***Row Num = 13
Min = -48.000000
Max = 34.000000
Mean = -0.136364
std = 13.374031
RMS = 13.221883

***Row Num = 14
Min = -15.000000
Max = 14.000000
Mean = -0.136364
std = 5.156125
RMS = 5.099020

***Row Num = 15
Min = -87.000000
Max = 111.000000
Mean = 5.090909
std = 33.802998
RMS = 33.802232

***Row Num = 16
Min = -51.000000
Max = 79.000000
Mean = 0.250000
std = 18.411479
RMS = 18.202772

***Row Num = 17
Min = -18.000000
Max = 84.000000
Mean = 2.272727
std = 15.327986
RMS = 15.322295

***Row Num = 18
Min = -70.000000
Max = 127.000000
Mean = 7.227273
std = 31.559367
RMS = 32.024848

***Row Num = 19
Min = -128.000000
Max = 127.000000
Mean = 2.750000
std = 43.791326
RMS = 43.378095

***Row Num = 20
Min = -52.000000
Max = 114.000000
Mean = 3.454545
std = 32.669917
RMS = 32.480764

***Row Num = 21
Min = -67.000000
Max = 44.000000
Mean = -0.272727
std = 18.239191
RMS = 18.032798

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***Row Num = 22
Min = -36.000000
Max = 93.000000
Mean = 2.750000
std = 19.049660
RMS = 19.031672
```

```
***Row Num = 23
Min = -61.375000
Max = 63.438000
Mean = 1.008568
std = 19.890740
RMS = 19.689258
```

```
***Row Num = 24
Min = -61.375000
Max = 63.438000
Mean = 1.008568
std = 19.890740
RMS = 19.689258
```

```
***Row Num = 25
Min = -61.375000
Max = 63.438000
Mean = 1.008568
std = 19.890740
RMS = 19.689258
```

```
***Row Num = 26
Min = -120.940000
Max = 74.500000
Mean = -7.653420
std = 35.634471
RMS = 36.049008
```

```
***Row Num = 27
Min = -120.940000
Max = 74.500000
Mean = -7.653420
std = 35.634471
RMS = 36.049008
```

```
***Row Num = 28
Min = -120.940000
Max = 74.500000
Mean = -7.653420
std = 35.634471
RMS = 36.049008
```

```
***Row Num = 29
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Min = 2.192700
Max = 2.999800
Mean = 2.468632
std = 0.289106
RMS = 2.485121
```

```
***Row Num = 30
Min = 2.947400
Max = 3.275700
Mean = 3.043636
std = 0.121174
RMS = 3.045993
```

```
***Row Num = 31
Min = 0.511430
Max = 1.542500
Mean = 1.169664
std = 0.345343
RMS = 1.218469
```

```
***Row Num = 32
Min = 6.695800
Max = 7.820900
Mean = 7.362843
std = 0.240767
RMS = 7.366689
```

```
***Row Num = 33
Min = 2.862200
Max = 5.539500
Mean = 3.457711
std = 1.017762
RMS = 3.601120
```

```
***Row Num = 34
Min = 0.001066
Max = 3.051500
Mean = 0.826829
std = 0.854645
RMS = 1.182143
```

```
***Row Num = 35
Min = 0.896000
Max = 1.011200
Mean = 0.941716
std = 0.025682
RMS = 0.942058
```

```
***Row Num = 36
Min = -0.457030
```

```
Max = -0.183110
Mean = -0.335361
std = 0.044508
RMS = 0.338235
```

```
***Row Num = 37
Min = -0.116700
Max = 0.121090
Mean = 0.025823
std = 0.046452
RMS = 0.052684
```

```
***Row Num = 38
Min = -1.103000
Max = 1.804700
Mean = 0.207810
std = 0.725606
RMS = 0.746809
```

```
***Row Num = 39
Min = 0.185060
Max = 1.011700
Mean = 0.618753
std = 0.286660
RMS = 0.680560
```

```
***Row Num = 40
Min = -0.482910
Max = 1.144500
Mean = 0.341197
std = 0.336021
RMS = 0.476193
```

```
***Row Num = 41
Min = -9.000000
Max = 5.000000
Mean = -1.500000
std = 2.889435
RMS = 3.226312
```

```
***Row Num = 42
Min = -8.000000
Max = 14.000000
Mean = 0.000000
std = 4.324081
RMS = 4.274661
```

```
***Row Num = 43
Min = -6.000000
Max = 5.000000
```

```
Mean = -0.795455
std = 1.995105
RMS = 2.126670
```

```
-----
***Row Num = 44
Min = -5.000000
Max = 2.000000
Mean = -1.204545
std = 1.503168
RMS = 1.912875
```

```
-----
***Row Num = 45
Min = -6.000000
Max = 3.000000
Mean = -1.022727
std = 1.771724
RMS = 2.028210
```

```
-----
***Row Num = 46
Min = -7.000000
Max = 5.000000
Mean = -0.545455
std = 2.073695
RMS = 2.121320
```

```
-----
***Row Num = 47
Min = -17.000000
Max = 26.000000
Mean = 0.750000
std = 6.549010
RMS = 6.517459
```

```
-----
***Row Num = 48
Min = -9.000000
Max = 4.000000
Mean = -0.772727
std = 3.025962
RMS = 3.089572
```

```
-----
***Row Num = 49
Min = -127.000000
Max = 115.000000
Mean = 3.681818
std = 38.742905
RMS = 38.476675
```

```
-----
***Row Num = 50
Min = -79.000000
Max = 52.000000
Mean = -3.318182
```

```
std = 24.066548  
RMS = 24.021770
```

```
-----  
***Row Num = 51  
Min = -43.000000  
Max = 21.000000  
Mean = -1.590909  
std = 11.734105  
RMS = 11.708583
```

```
-----  
***Row Num = 52  
Min = -90.000000  
Max = 54.000000  
Mean = 1.477273  
std = 22.393405  
RMS = 22.186708
```

```
-----  
***Row Num = 53  
Min = -108.000000  
Max = 127.000000  
Mean = -5.590909  
std = 52.514148  
RMS = 52.214157
```

```
-----  
***Row Num = 54  
Min = -81.000000  
Max = 107.000000  
Mean = 4.227273  
std = 32.406476  
RMS = 32.313802
```

```
-----  
***Row Num = 55  
Min = -23.000000  
Max = 23.000000  
Mean = -1.454545  
std = 10.137323  
RMS = 10.126473
```

```
-----  
***Row Num = 56  
Min = -68.000000  
Max = 62.000000  
Mean = -2.659091  
std = 22.567669  
RMS = 22.467654
```

```
-----  
***Row Num = 57  
Min = -56.438000  
Max = 46.125000  
Mean = -2.656284  
std = 21.072744
```


RMS = 21.000574

***Row Num = 58
Min = -56.438000
Max = 46.125000
Mean = -2.656284
std = 21.072744
RMS = 21.000574

***Row Num = 59
Min = -56.438000
Max = 46.125000
Mean = -2.656284
std = 21.072744
RMS = 21.000574

***Row Num = 60
Min = -64.688000
Max = 105.130000
Mean = 3.350989
std = 32.221837
RMS = 32.029352

***Row Num = 61
Min = -64.688000
Max = 105.130000
Mean = 3.350989
std = 32.221837
RMS = 32.029352

***Row Num = 62
Min = -64.688000
Max = 105.130000
Mean = 3.350989
std = 32.221837
RMS = 32.029352

***Row Num = 63
Min = 2.461900
Max = 2.781800
Mean = 2.623105
std = 0.089693
RMS = 2.624603

***Row Num = 64
Min = 3.013300
Max = 3.061600
Mean = 3.040855
std = 0.013712
RMS = 3.040885

***Row Num = 65
Min = 0.956330
Max = 1.214100
Mean = 1.100581
std = 0.081119
RMS = 1.103499

***Row Num = 66
Min = 6.570000
Max = 7.708600
Mean = 7.040902
std = 0.325600
RMS = 7.048256

***Row Num = 67
Min = 2.903400
Max = 5.840000
Mean = 4.437695
std = 1.189225
RMS = 4.590779

***Row Num = 68
Min = 0.063699
Max = 9.789100
Mean = 1.675418
std = 2.025699
RMS = 2.610981

***Row Num = 69
Min = 0.868650
Max = 1.011700
Mean = 0.932905
std = 0.024387
RMS = 0.933216

***Row Num = 70
Min = -0.502440
Max = -0.249020
Mean = -0.346247
std = 0.041817
RMS = 0.348706

***Row Num = 71
Min = -0.068848
Max = 0.162110
Mean = 0.050326
std = 0.059310
RMS = 0.077269

```
***Row Num = 72
Min = -1.579100
Max = 1.888200
Mean = 0.167791
std = 0.756194
RMS = 0.766151
```

```
***Row Num = 73
Min = 0.030273
Max = 0.957520
Mean = 0.547297
std = 0.263934
RMS = 0.606310
```

```
***Row Num = 74
Min = -0.873540
Max = 1.274900
Mean = 0.399336
std = 0.371631
RMS = 0.542623
```

```
***Row Num = 75
Min = -6.000000
Max = 7.000000
Mean = -1.659091
std = 2.551271
RMS = 3.018880
```

```
***Row Num = 76
Min = -7.000000
Max = 6.000000
Mean = -1.250000
std = 2.383324
RMS = 2.667140
```

```
***Row Num = 77
Min = -7.000000
Max = 6.000000
Mean = -1.227273
std = 2.301300
RMS = 2.584921
```

```
***Row Num = 78
Min = -6.000000
Max = 1.000000
Mean = -1.340909
std = 1.237837
RMS = 1.815339
```

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

```
Min = -3.000000
Max = 1.000000
Mean = -0.954545
std = 1.077347
RMS = 1.430194
```

```
***Row Num = 80
Min = -4.000000
Max = 4.000000
Mean = -1.068182
std = 1.515773
RMS = 1.840207
```

```
***Row Num = 81
Min = -7.000000
Max = 7.000000
Mean = -0.454545
std = 3.288136
RMS = 3.282183
```

```
***Row Num = 82
Min = -7.000000
Max = 4.000000
Mean = -0.909091
std = 2.300841
RMS = 2.449490
```

```
***Row Num = 83
Min = -94.000000
Max = 92.000000
Mean = 1.090909
std = 37.202662
RMS = 36.793651
```

```
***Row Num = 84
Min = -85.000000
Max = 66.000000
Mean = -1.727273
std = 29.722252
RMS = 29.433284
```

```
***Row Num = 85
Min = -31.000000
Max = 78.000000
Mean = 3.477273
std = 21.129158
RMS = 21.175136
```

```
***Row Num = 86
Min = -113.000000
```

```
Max = 101.000000  
Mean = 1.340909  
std = 28.681039  
RMS = 28.384935
```

```
***Row Num = 87  
Min = -128.000000  
Max = 127.000000  
Mean = -2.568182  
std = 51.074227  
RMS = 50.555775
```

```
***Row Num = 88  
Min = -73.000000  
Max = 60.000000  
Mean = -0.931818  
std = 26.470166  
RMS = 26.184225
```

```
***Row Num = 89  
Min = -27.000000  
Max = 39.000000  
Mean = 2.659091  
std = 13.211945  
RMS = 13.328882
```

```
***Row Num = 90  
Min = -89.000000  
Max = 52.000000  
Mean = -3.636364  
std = 25.623473  
RMS = 25.590304
```

```
***Row Num = 91  
Min = -50.750000  
Max = 59.750000  
Mean = -1.387818  
std = 20.996962  
RMS = 20.803332
```

```
***Row Num = 92  
Min = -50.750000  
Max = 59.750000  
Mean = -1.387818  
std = 20.996962  
RMS = 20.803332
```

```
***Row Num = 93  
Min = -50.750000  
Max = 59.750000
```

```
Mean = -1.387818
std = 20.996962
RMS = 20.803332
```

```
***Row Num = 94
Min = -177.630000
Max = 104.630000
Mean = -4.048330
std = 47.593537
RMS = 47.223439
```

```
***Row Num = 95
Min = -177.630000
Max = 104.630000
Mean = -4.048330
std = 47.593537
RMS = 47.223439
```

```
***Row Num = 96
Min = -177.630000
Max = 104.630000
Mean = -4.048330
std = 47.593537
RMS = 47.223439
```

```
***Row Num = 97
Min = 2.495600
Max = 2.887100
Mean = 2.728395
std = 0.118006
RMS = 2.730888
```

```
***Row Num = 98
Min = 3.029400
Max = 3.100900
Mean = 3.066384
std = 0.021797
RMS = 3.066460
```

```
***Row Num = 99
Min = 0.814030
Max = 1.136400
Mean = 0.998747
std = 0.094370
RMS = 1.003094
```

```
***Row Num = 100
Min = 6.227500
Max = 8.132100
Mean = 6.923157
```

```
std = 0.514756  
RMS = 6.941833
```

```
-----  
***Row Num = 101  
Min = 2.885900  
Max = 5.860400  
Mean = 4.544648  
std = 1.168426  
RMS = 4.689138
```

```
-----  
***Row Num = 102  
Min = 0.020397  
Max = 9.975300  
Mean = 2.184565  
std = 2.908542  
RMS = 3.611050
```

```
-----  
***Row Num = 103  
Min = 0.856450  
Max = 1.050300  
Mean = 0.939532  
std = 0.041354  
RMS = 0.940421
```

```
-----  
***Row Num = 104  
Min = -0.493160  
Max = -0.180660  
Mean = -0.337558  
std = 0.057806  
RMS = 0.342361
```

```
-----  
***Row Num = 105  
Min = -0.126460  
Max = 0.158690  
Mean = 0.041793  
std = 0.053997  
RMS = 0.067794
```

```
-----  
***Row Num = 106  
Min = -1.766100  
Max = 2.466800  
Mean = 0.236759  
std = 0.836029  
RMS = 0.859718
```

```
-----  
***Row Num = 107  
Min = -0.209470  
Max = 1.014600  
Mean = 0.576015  
std = 0.295574
```

RMS = 0.645888

***Row Num = 108

Min = -1.574700

Max = 1.213900

Mean = 0.375534

std = 0.455580

RMS = 0.586397

***Row Num = 109

Min = -6.000000

Max = 13.000000

Mean = -0.045455

std = 3.728922

RMS = 3.686585

***Row Num = 110

Min = -9.000000

Max = 13.000000

Mean = -0.500000

std = 4.134371

RMS = 4.117590

***Row Num = 111

Min = -5.000000

Max = 11.000000

Mean = -0.568182

std = 2.983659

RMS = 3.003785

***Row Num = 112

Min = -5.000000

Max = 2.000000

Mean = -1.272727

std = 1.245711

RMS = 1.770978

***Row Num = 113

Min = -4.000000

Max = 3.000000

Mean = -1.386364

std = 1.401260

RMS = 1.959824

***Row Num = 114

Min = -7.000000

Max = 4.000000

Mean = -1.090909

std = 1.974467

RMS = 2.236068

***Row Num = 115
Min = -6.000000
Max = 6.000000
Mean = -0.636364
std = 3.327761
RMS = 3.350712

***Row Num = 116
Min = -7.000000
Max = 5.000000
Mean = -0.977273
std = 2.740638
RMS = 2.880183

***Row Num = 117
Min = -110.000000
Max = 79.000000
Mean = 1.159091
std = 39.670705
RMS = 39.234435

***Row Num = 118
Min = -95.000000
Max = 68.000000
Mean = 3.727273
std = 27.425471
RMS = 27.367034

***Row Num = 119
Min = -31.000000
Max = 46.000000
Mean = 4.318182
std = 15.833102
RMS = 16.236883

***Row Num = 120
Min = -55.000000
Max = 88.000000
Mean = 1.954545
std = 28.398292
RMS = 28.141687

***Row Num = 121
Min = -120.000000
Max = 127.000000
Mean = 4.113636
std = 57.643740
RMS = 57.133218

```
***Row Num = 122
Min = -86.000000
Max = 91.000000
Mean = 1.863636
std = 35.729338
RMS = 35.370121
```

```
***Row Num = 123
Min = -42.000000
Max = 66.000000
Mean = -0.863636
std = 19.151284
RMS = 18.952093
```

```
***Row Num = 124
Min = -128.000000
Max = 118.000000
Mean = -0.522727
std = 38.308107
RMS = 37.873894
```

```
***Row Num = 125
Min = -67.125000
Max = 56.000000
Mean = -0.068182
std = 21.681345
RMS = 21.433659
```

```
***Row Num = 126
Min = -67.125000
Max = 56.000000
Mean = -0.068182
std = 21.681345
RMS = 21.433659
```

```
***Row Num = 127
Min = -67.125000
Max = 56.000000
Mean = -0.068182
std = 21.681345
RMS = 21.433659
```

```
***Row Num = 128
Min = -133.380000
Max = 497.810000
Mean = 2.420068
std = 93.819755
RMS = 92.779062
```

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

```
Min = -133.380000
Max = 497.810000
Mean = 2.420068
std = 93.819755
RMS = 92.779062
```

```
***Row Num = 130
Min = -133.380000
Max = 497.810000
Mean = 2.420068
std = 93.819755
RMS = 92.779062
```

```
***Row Num = 131
Min = 2.533800
Max = 2.813700
Mean = 2.707427
std = 0.070417
RMS = 2.708322
```

```
***Row Num = 132
Min = 3.027600
Max = 3.096900
Mean = 3.060750
std = 0.014608
RMS = 3.060784
```

```
***Row Num = 133
Min = 0.826740
Max = 1.117900
Mean = 0.964614
std = 0.077299
RMS = 0.967636
```

```
***Row Num = 134
Min = 6.233800
Max = 7.680800
Mean = 6.872152
std = 0.357897
RMS = 6.881254
```

```
***Row Num = 135
Min = 2.858600
Max = 5.807800
Mean = 4.460855
std = 1.133459
RMS = 4.599430
```

```
***Row Num = 136
Min = 0.027495
```

```
Max = 2.757300
Mean = 1.183688
std = 0.858806
RMS = 1.456676
```

```
***Row Num = 137
Min = 0.838870
Max = 1.028800
Mean = 0.935136
std = 0.034917
RMS = 0.935773
```

```
***Row Num = 138
Min = -0.470210
Max = -0.200200
Mean = -0.342973
std = 0.047142
RMS = 0.346124
```

```
***Row Num = 139
Min = -0.123050
Max = 0.143550
Mean = 0.039084
std = 0.052334
RMS = 0.064840
```

```
***Row Num = 140
Min = -1.364300
Max = 2.252000
Mean = 0.165049
std = 0.778259
RMS = 0.786869
```

```
***Row Num = 141
Min = 0.053223
Max = 1.002900
Mean = 0.571444
std = 0.275094
RMS = 0.632855
```

```
***Row Num = 142
Min = -1.528800
Max = 1.299300
Mean = 0.402310
std = 0.436444
RMS = 0.589922
```

```
***Row Num = 143
Min = -7.000000
Max = 9.000000
```

```
Mean = -1.204545
std = 3.151814
RMS = 3.340523
```

```
-----
***Row Num = 144
Min = -19.000000
Max = 23.000000
Mean = -0.545455
std = 5.496107
RMS = 5.460603
```

```
-----
***Row Num = 145
Min = -9.000000
Max = 10.000000
Mean = -0.136364
std = 3.379768
RMS = 3.343923
```

```
-----
***Row Num = 146
Min = -3.000000
Max = 2.000000
Mean = -1.000000
std = 1.257535
RMS = 1.595448
```

```
-----
***Row Num = 147
Min = -4.000000
Max = 1.000000
Mean = -1.204545
std = 1.286415
RMS = 1.751623
```

```
-----
***Row Num = 148
Min = -5.000000
Max = 3.000000
Mean = -0.818182
std = 1.603379
RMS = 1.783765
```

```
-----
***Row Num = 149
Min = -7.000000
Max = 8.000000
Mean = -0.886364
std = 3.995439
RMS = 4.048007
```

```
-----
***Row Num = 150
Min = -7.000000
Max = 4.000000
Mean = -1.068182
```

```
std = 2.500211  
RMS = 2.692582
```

```
-----  
***Row Num = 151  
Min = -73.000000  
Max = 88.000000  
Mean = -2.863636  
std = 34.793471  
RMS = 34.514819
```

```
-----  
***Row Num = 152  
Min = -58.000000  
Max = 54.000000  
Mean = 3.931818  
std = 19.070735  
RMS = 19.258410
```

```
-----  
***Row Num = 153  
Min = -46.000000  
Max = 65.000000  
Mean = 3.863636  
std = 19.309705  
RMS = 19.476093
```

```
-----  
***Row Num = 154  
Min = -111.000000  
Max = 93.000000  
Mean = 1.272727  
std = 37.944490  
RMS = 37.532410
```

```
-----  
***Row Num = 155  
Min = -128.000000  
Max = 114.000000  
Mean = -7.909091  
std = 61.324459  
RMS = 61.137327
```

```
-----  
***Row Num = 156  
Min = -93.000000  
Max = 104.000000  
Mean = 4.136364  
std = 37.648676  
RMS = 37.447539
```

```
-----  
***Row Num = 157  
Min = -31.000000  
Max = 50.000000  
Mean = 3.727273  
std = 15.959780
```

RMS = 16.211668

***Row Num = 158

Min = -49.000000

Max = 86.000000

Mean = 1.931818

std = 22.480377

RMS = 22.307255

***Row Num = 159

Min = -53.625000

Max = 65.438000

Mean = -0.708830

std = 22.741235

RMS = 22.492498

***Row Num = 160

Min = -53.625000

Max = 65.438000

Mean = -0.708830

std = 22.741235

RMS = 22.492498

***Row Num = 161

Min = -53.625000

Max = 65.438000

Mean = -0.708830

std = 22.741235

RMS = 22.492498

***Row Num = 162

Min = -103.440000

Max = 155.060000

Mean = 1.080818

std = 43.895573

RMS = 43.407350

***Row Num = 163

Min = -103.440000

Max = 155.060000

Mean = 1.080818

std = 43.895573

RMS = 43.407350

***Row Num = 164

Min = -103.440000

Max = 155.060000

Mean = 1.080818

std = 43.895573

RMS = 43.407350

***Row Num = 165

Min = 2.533800

Max = 2.785200

Mean = 2.682400

std = 0.065672

RMS = 2.683186

***Row Num = 166

Min = 3.032500

Max = 3.097500

Mean = 3.060680

std = 0.016323

RMS = 3.060722

***Row Num = 167

Min = 0.930080

Max = 1.164200

Mean = 1.057562

std = 0.054135

RMS = 1.058915

***Row Num = 168

Min = 6.173500

Max = 8.104300

Mean = 6.848807

std = 0.416416

RMS = 6.861167

***Row Num = 169

Min = 2.926900

Max = 5.781200

Mean = 4.579800

std = 1.128212

RMS = 4.713651

***Row Num = 170

Min = 0.202290

Max = 9.711600

Mean = 1.444391

std = 1.534985

RMS = 2.094969

***Row Num = 171

Min = 0.882810

Max = 0.988770

Mean = 0.937290

std = 0.019193

RMS = 0.937482

```
***Row Num = 172
Min = -0.409180
Max = -0.279300
Mean = -0.336448
std = 0.026714
RMS = 0.337483
```

```
***Row Num = 173
Min = -0.035156
Max = 0.135740
Mean = 0.051258
std = 0.037644
RMS = 0.063343
```

```
***Row Num = 174
Min = -0.961910
Max = 1.645500
Mean = 0.127563
std = 0.704482
RMS = 0.708017
```

```
***Row Num = 175
Min = 0.176760
Max = 0.961910
Mean = 0.611617
std = 0.235706
RMS = 0.654500
```

```
***Row Num = 176
Min = -0.451170
Max = 1.007800
Mean = 0.413641
std = 0.309938
RMS = 0.514759
```

```
***Row Num = 177
Min = -6.000000
Max = 14.000000
Mean = -0.636364
std = 3.271376
RMS = 3.296003
```

```
***Row Num = 178
Min = -5.000000
Max = 9.000000
Mean = -1.068182
std = 2.346672
RMS = 2.553963
```

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

```
Min = -4.000000
Max = 3.000000
Mean = -1.136364
std = 1.706225
RMS = 2.033805
```

```
***Row Num = 180
Min = -4.000000
Max = 1.000000
Mean = -1.136364
std = 1.090997
RMS = 1.566699
```

```
***Row Num = 181
Min = -4.000000
Max = 2.000000
Mean = -0.886364
std = 1.104239
RMS = 1.406155
```

```
***Row Num = 182
Min = -8.000000
Max = 4.000000
Mean = -0.931818
std = 2.139308
RMS = 2.311041
```

```
***Row Num = 183
Min = -24.000000
Max = 10.000000
Mean = -1.181818
std = 5.690763
RMS = 5.748518
```

```
***Row Num = 184
Min = -5.000000
Max = 3.000000
Mean = -0.818182
std = 2.233703
RMS = 2.354879
```

```
***Row Num = 185
Min = -85.000000
Max = 100.000000
Mean = -1.886364
std = 28.370650
RMS = 28.109769
```

```
***Row Num = 186
Min = -57.000000
```

```
Max = 36.000000
Mean = 0.909091
std = 16.874114
RMS = 16.706014
```

```
***Row Num = 187
Min = -21.000000
Max = 94.000000
Mean = -0.863636
std = 18.008513
RMS = 17.823631
```

```
***Row Num = 188
Min = -36.000000
Max = 96.000000
Mean = 1.613636
std = 23.858318
RMS = 23.640778
```

```
***Row Num = 189
Min = -103.000000
Max = 123.000000
Mean = -13.840909
std = 50.075266
RMS = 51.401494
```

```
***Row Num = 190
Min = -54.000000
Max = 53.000000
Mean = -1.022727
std = 20.211082
RMS = 20.006249
```

```
***Row Num = 191
Min = -35.000000
Max = 16.000000
Mean = -3.909091
std = 12.443020
RMS = 12.907010
```

```
***Row Num = 192
Min = -60.000000
Max = 61.000000
Mean = -2.181818
std = 24.504649
RMS = 24.322642
```

```
***Row Num = 193
Min = -32.625000
Max = 48.375000
```

```
Mean = 0.029864
std = 16.197240
RMS = 16.012151
```

```
-----
***Row Num = 194
Min = -32.625000
Max = 48.375000
Mean = 0.029864
std = 16.197240
RMS = 16.012151
```

```
-----
***Row Num = 195
Min = -32.625000
Max = 48.375000
Mean = 0.029864
std = 16.197240
RMS = 16.012151
```

```
-----
***Row Num = 196
Min = -85.313000
Max = 79.188000
Mean = -3.845159
std = 37.479985
RMS = 37.250616
```

```
-----
***Row Num = 197
Min = -85.313000
Max = 79.188000
Mean = -3.845159
std = 37.479985
RMS = 37.250616
```

```
-----
***Row Num = 198
Min = -85.313000
Max = 79.188000
Mean = -3.845159
std = 37.479985
RMS = 37.250616
```

```
-----
***Row Num = 199
Min = 2.608200
Max = 2.910500
Mean = 2.760889
std = 0.085567
RMS = 2.762184
```

```
-----
***Row Num = 200
Min = 3.022500
Max = 3.096600
Mean = 3.055761
```

```
std = 0.020279
RMS = 3.055827
```

```
-----
***Row Num = 201
Min = 0.902610
Max = 1.096000
Mean = 1.013313
std = 0.049733
RMS = 1.014505
```

```
-----
***Row Num = 202
Min = 6.285300
Max = 7.688100
Mean = 6.858730
std = 0.434283
RMS = 6.872153
```

```
-----
***Row Num = 203
Min = 2.904200
Max = 5.779500
Mean = 4.647386
std = 1.121964
RMS = 4.777907
```

```
-----
***Row Num = 204
Min = 0.007728
Max = 9.990000
Mean = 3.015863
std = 3.367924
RMS = 4.492277
```

```
-----
***Row Num = 205
Min = 0.845700
Max = 1.004900
Mean = 0.940775
std = 0.025110
RMS = 0.941102
```

```
-----
***Row Num = 206
Min = -0.430180
Max = -0.251460
Mean = -0.331100
std = 0.040809
RMS = 0.333549
```

```
-----
***Row Num = 207
Min = -0.101070
Max = 0.113770
Mean = 0.036577
std = 0.045046
```

RMS = 0.057627

***Row Num = 208

Min = -1.119600

Max = 1.833500

Mean = 0.188465

std = 0.752019

RMS = 0.766941

***Row Num = 209

Min = 0.045410

Max = 1.023400

Mean = 0.586370

std = 0.280601

RMS = 0.648673

***Row Num = 210

Min = -1.040500

Max = 1.006300

Mean = 0.337701

std = 0.379365

RMS = 0.504667

***Row Num = 211

Min = -8.000000

Max = 6.000000

Mean = -1.909091

std = 3.422349

RMS = 3.884702

***Row Num = 212

Min = -7.000000

Max = 5.000000

Mean = -1.386364

std = 2.598890

RMS = 2.919371

***Row Num = 213

Min = -6.000000

Max = 5.000000

Mean = -1.295455

std = 2.416797

RMS = 2.717787

***Row Num = 214

Min = -3.000000

Max = 3.000000

Mean = -0.818182

std = 1.559259

RMS = 1.745123

```
***Row Num = 215
Min = -4.000000
Max = 2.000000
Mean = -0.818182
std = 1.280856
RMS = 1.507557
```

```
***Row Num = 216
Min = -4.000000
Max = 6.000000
Mean = -1.045455
std = 1.904151
RMS = 2.153222
```

```
***Row Num = 217
Min = -11.000000
Max = 24.000000
Mean = -0.545455
std = 5.384969
RMS = 5.351296
```

```
***Row Num = 218
Min = -7.000000
Max = 4.000000
Mean = -0.522727
std = 2.256656
RMS = 2.291288
```

```
***Row Num = 219
Min = -78.000000
Max = 119.000000
Mean = 2.454545
std = 32.973883
RMS = 32.689309
```

```
***Row Num = 220
Min = -68.000000
Max = 55.000000
Mean = -2.068182
std = 22.761042
RMS = 22.595756
```

```
***Row Num = 221
Min = -30.000000
Max = 29.000000
Mean = -0.681818
std = 8.896753
RMS = 8.821461
```

```
***Row Num = 222  
Min = -57.000000  
Max = 59.000000  
Mean = 2.295455  
std = 18.225435  
RMS = 18.162774
```

```
***Row Num = 223  
Min = -117.000000  
Max = 89.000000  
Mean = -5.000000  
std = 43.964573  
RMS = 43.748766
```

```
***Row Num = 224  
Min = -59.000000  
Max = 75.000000  
Mean = 2.340909  
std = 27.675817  
RMS = 27.459474
```

```
***Row Num = 225  
Min = -37.000000  
Max = 23.000000  
Mean = 0.909091  
std = 13.100361  
RMS = 12.982506
```

```
***Row Num = 226  
Min = -79.000000  
Max = 58.000000  
Mean = -3.909091  
std = 27.939984  
RMS = 27.895910
```

```
***Row Num = 227  
Min = -33.438000  
Max = 36.938000  
Mean = 0.413341  
std = 15.553435  
RMS = 15.381231
```

```
***Row Num = 228  
Min = -33.438000  
Max = 36.938000  
Mean = 0.413341  
std = 15.553435  
RMS = 15.381231
```

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



```
Min = -33.438000
Max = 36.938000
Mean = 0.413341
std = 15.553435
RMS = 15.381231
```

```
***Row Num = 230
Min = -74.625000
Max = 64.375000
Mean = 2.929000
std = 26.429187
RMS = 26.290796
```

```
***Row Num = 231
Min = -74.625000
Max = 64.375000
Mean = 2.929000
std = 26.429187
RMS = 26.290796
```

```
***Row Num = 232
Min = -74.625000
Max = 64.375000
Mean = 2.929000
std = 26.429187
RMS = 26.290796
```

```
***Row Num = 233
Min = 2.570600
Max = 2.784700
Mean = 2.671857
std = 0.059960
RMS = 2.672514
```

```
***Row Num = 234
Min = 3.020400
Max = 3.072100
Mean = 3.043759
std = 0.016454
RMS = 3.043803
```

```
***Row Num = 235
Min = 0.945670
Max = 1.123700
Mean = 1.064614
std = 0.042420
RMS = 1.065439
```

```
***Row Num = 236
Min = 6.490200
```

```
Max = 7.638800
Mean = 6.993536
std = 0.429635
RMS = 7.006421
```

```
***Row Num = 237
Min = 2.913500
Max = 5.790200
Mean = 4.506950
std = 1.230805
RMS = 4.668303
```

```
***Row Num = 238
Min = 0.002022
Max = 9.941300
Mean = 1.724205
std = 2.409572
RMS = 2.940572
```

```
***Row Num = 239
Min = 0.859860
Max = 1.006300
Mean = 0.938774
std = 0.025854
RMS = 0.939122
```

```
***Row Num = 240
Min = -0.440920
Max = -0.229000
Mean = -0.336802
std = 0.045303
RMS = 0.339767
```

```
***Row Num = 241
Min = -0.074707
Max = 0.111330
Mean = 0.020364
std = 0.034844
RMS = 0.040015
```

```
***Row Num = 242
Min = -1.248500
Max = 1.593800
Mean = 0.163076
std = 0.687649
RMS = 0.699077
```

```
***Row Num = 243
Min = 0.268550
Max = 1.085900
```

```
Mean = 0.637328
std = 0.255037
RMS = 0.685386
```

```
***Row Num = 244
Min = -0.885740
Max = 0.910640
Mean = 0.303023
std = 0.336658
RMS = 0.450096
```

```
***Row Num = 245
Min = -11.000000
Max = 12.000000
Mean = -2.204545
std = 3.714081
RMS = 4.282629
```

```
***Row Num = 246
Min = -18.000000
Max = 13.000000
Mean = -0.954545
std = 4.879738
RMS = 4.917501
```

```
***Row Num = 247
Min = -12.000000
Max = 8.000000
Mean = -1.113636
std = 3.804623
RMS = 3.922546
```

```
***Row Num = 248
Min = -3.000000
Max = 2.000000
Mean = -0.840909
std = 1.445815
RMS = 1.658312
```

```
***Row Num = 249
Min = -3.000000
Max = 2.000000
Mean = -0.954545
std = 1.363213
RMS = 1.651446
```

```
***Row Num = 250
Min = -9.000000
Max = 4.000000
Mean = -1.227273
```

```
std = 2.657710  
RMS = 2.899843
```

```
-----  
***Row Num = 251  
Min = -26.000000  
Max = 12.000000  
Mean = -1.568182  
std = 6.139456  
RMS = 6.268609
```

```
-----  
***Row Num = 252  
Min = -11.000000  
Max = 21.000000  
Mean = -0.477273  
std = 5.114906  
RMS = 5.078923
```

```
-----  
***Row Num = 253  
Min = -117.000000  
Max = 72.000000  
Mean = -6.795455  
std = 40.465075  
RMS = 40.575687
```

```
-----  
***Row Num = 254  
Min = -50.000000  
Max = 25.000000  
Mean = -5.386364  
std = 17.536959  
RMS = 18.154013
```

```
-----  
***Row Num = 255  
Min = -25.000000  
Max = 40.000000  
Mean = -1.590909  
std = 11.568438  
RMS = 11.546349
```

```
-----  
***Row Num = 256  
Min = -47.000000  
Max = 92.000000  
Mean = -0.204545  
std = 21.529406  
RMS = 21.284331
```

```
-----  
***Row Num = 257  
Min = -128.000000  
Max = 127.000000  
Mean = -3.227273  
std = 71.299194
```

RMS = 70.558164

***Row Num = 258

Min = -93.000000

Max = 82.000000

Mean = -0.227273

std = 33.993066

RMS = 33.605330

***Row Num = 259

Min = -39.000000

Max = 32.000000

Mean = -5.000000

std = 16.988368

RMS = 17.522713

***Row Num = 260

Min = -72.000000

Max = 69.000000

Mean = -1.818182

std = 28.656159

RMS = 28.386937

***Row Num = 261

Min = -39.750000

Max = 49.563000

Mean = -1.504273

std = 17.047227

RMS = 16.919399

***Row Num = 262

Min = -39.750000

Max = 49.563000

Mean = -1.504273

std = 17.047227

RMS = 16.919399

***Row Num = 263

Min = -39.750000

Max = 49.563000

Mean = -1.504273

std = 17.047227

RMS = 16.919399

***Row Num = 264

Min = -108.060000

Max = 74.000000

Mean = 1.686114

std = 34.367897

RMS = 34.016921

***Row Num = 265
Min = -108.060000
Max = 74.000000
Mean = 1.686114
std = 34.367897
RMS = 34.016921

***Row Num = 266
Min = -108.060000
Max = 74.000000
Mean = 1.686114
std = 34.367897
RMS = 34.016921

***Row Num = 267
Min = 2.513900
Max = 2.672700
Mean = 2.598380
std = 0.048098
RMS = 2.598815

***Row Num = 268
Min = 3.031700
Max = 3.069000
Mean = 3.048657
std = 0.011501
RMS = 3.048678

***Row Num = 269
Min = 0.857330
Max = 1.085000
Mean = 0.968121
std = 0.060377
RMS = 0.969959

***Row Num = 270
Min = 6.385800
Max = 7.696200
Mean = 7.096377
std = 0.398624
RMS = 7.107310

***Row Num = 271
Min = 2.988400
Max = 5.804700
Mean = 4.595568
std = 1.148081
RMS = 4.733643

```
***Row Num = 272
Min = 0.001511
Max = 9.994900
Mean = 3.117266
std = 3.598703
RMS = 4.730082
-----
```

```
***Row Num = 273
Min = 0.877930
Max = 1.046900
Mean = 0.935048
std = 0.031208
RMS = 0.935556
-----
```

```
***Row Num = 274
Min = -0.454100
Max = -0.169430
Mean = -0.345981
std = 0.050562
RMS = 0.349573
-----
```

```
***Row Num = 275
Min = -0.085449
Max = 0.141600
Mean = 0.041437
std = 0.045459
RMS = 0.061128
-----
```

```
***Row Num = 276
Min = -1.513700
Max = 2.049800
Mean = -0.001209
std = 0.687188
RMS = 0.679335
-----
```

```
***Row Num = 277
Min = 0.020996
Max = 1.082500
Mean = 0.716928
std = 0.254461
RMS = 0.759780
-----
```

```
***Row Num = 278
Min = -0.512210
Max = 1.142600
Mean = 0.404098
std = 0.284401
RMS = 0.492282
-----
```

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

```
Min = -6.000000
Max = 7.000000
Mean = -0.727273
std = 2.975588
RMS = 3.030152
```

```
***Row Num = 280
Min = -11.000000
Max = 12.000000
Mean = -0.704545
std = 4.934829
RMS = 4.929042
```

```
***Row Num = 281
Min = -16.000000
Max = 17.000000
Mean = -0.863636
std = 5.115371
RMS = 5.130125
```

```
***Row Num = 282
Min = -2.000000
Max = 2.000000
Mean = -0.636364
std = 1.013649
RMS = 1.187051
```

```
***Row Num = 283
Min = -4.000000
Max = 6.000000
Mean = -0.772727
std = 1.915222
RMS = 2.044949
```

```
***Row Num = 284
Min = -6.000000
Max = 5.000000
Mean = -0.818182
std = 2.202248
RMS = 2.325745
```

```
***Row Num = 285
Min = -22.000000
Max = 20.000000
Mean = -0.818182
std = 6.922403
RMS = 6.892024
```

```
***Row Num = 286
Min = -13.000000
```



```
Max = 17.000000
Mean = -0.863636
std = 4.648535
RMS = 4.675857
```

```
***Row Num = 287
Min = -126.000000
Max = 61.000000
Mean = 0.568182
std = 37.921828
RMS = 37.492727
```

```
***Row Num = 288
Min = -50.000000
Max = 65.000000
Mean = 0.477273
std = 27.156299
RMS = 26.850174
```

```
***Row Num = 289
Min = -21.000000
Max = 29.000000
Mean = -0.636364
std = 12.990320
RMS = 12.857612
```

```
***Row Num = 290
Min = -84.000000
Max = 57.000000
Mean = 0.159091
std = 23.777988
RMS = 23.506769
```

```
***Row Num = 291
Min = -107.000000
Max = 127.000000
Mean = 10.090909
std = 54.180928
RMS = 54.503961
```

```
***Row Num = 292
Min = -61.000000
Max = 68.000000
Mean = 9.704545
std = 26.623630
RMS = 28.051495
```

```
***Row Num = 293
Min = -59.000000
Max = 63.000000
```

```
Mean = 1.840909
std = 20.305737
RMS = 20.157899
```

```
-----
***Row Num = 294
Min = -61.000000
Max = 82.000000
Mean = -0.750000
std = 29.095772
RMS = 28.773015
```

```
-----
***Row Num = 295
Min = -47.313000
Max = 56.563000
Mean = -1.217295
std = 20.196149
RMS = 20.002404
```

```
-----
***Row Num = 296
Min = -47.313000
Max = 56.563000
Mean = -1.217295
std = 20.196149
RMS = 20.002404
```

```
-----
***Row Num = 297
Min = -47.313000
Max = 56.563000
Mean = -1.217295
std = 20.196149
RMS = 20.002404
```

```
-----
***Row Num = 298
Min = -176.380000
Max = 136.190000
Mean = -4.736091
std = 56.539411
RMS = 56.093522
```

```
-----
***Row Num = 299
Min = -176.380000
Max = 136.190000
Mean = -4.736091
std = 56.539411
RMS = 56.093522
```

```
-----
***Row Num = 300
Min = -176.380000
Max = 136.190000
Mean = -4.736091
```

```
std = 56.539411
RMS = 56.093522
```

```
-----
***Row Num = 301
Min = 2.546800
Max = 2.761800
Mean = 2.678400
std = 0.065069
RMS = 2.679172
```

```
-----
***Row Num = 302
Min = 3.039300
Max = 3.097200
Mean = 3.064325
std = 0.017550
RMS = 3.064374
```

```
-----
***Row Num = 303
Min = 0.787290
Max = 1.035200
Mean = 0.889599
std = 0.064351
RMS = 0.891871
```

```
-----
***Row Num = 304
Min = 6.416900
Max = 7.275100
Mean = 6.903489
std = 0.259475
RMS = 6.908252
```

```
-----
***Row Num = 305
Min = 2.958300
Max = 5.832700
Mean = 4.919673
std = 0.923739
RMS = 5.003707
```

```
-----
***Row Num = 306
Min = 0.188290
Max = 2.455300
Mean = 1.184464
std = 0.827028
RMS = 1.439231
```

```
-----
***Row Num = 307
Min = 0.816890
Max = 1.004400
Mean = 0.931584
std = 0.029118
```

RMS = 0.932029

***Row Num = 308

Min = -0.472170

Max = -0.263670

Mean = -0.355380

std = 0.038342

RMS = 0.357395

***Row Num = 309

Min = -0.116210

Max = 0.155760

Mean = 0.044944

std = 0.047617

RMS = 0.065083

***Row Num = 310

Min = -1.052700

Max = 2.172400

Mean = 0.009623

std = 0.688109

RMS = 0.680313

***Row Num = 311

Min = 0.204100

Max = 1.064000

Mean = 0.712280

std = 0.211120

RMS = 0.742227

***Row Num = 312

Min = -1.498000

Max = 1.168900

Mean = 0.403598

std = 0.421395

RMS = 0.580026

***Row Num = 313

Min = -7.000000

Max = 5.000000

Mean = -0.977273

std = 2.680582

RMS = 2.824407

***Row Num = 314

Min = -8.000000

Max = 11.000000

Mean = 0.090909

std = 3.765314

RMS = 3.723390

```
-----  
***Row Num = 315  
Min = -9.000000  
Max = 15.000000  
Mean = -0.272727  
std = 4.652399  
RMS = 4.607306  
-----
```

```
***Row Num = 316  
Min = -4.000000  
Max = 1.000000  
Mean = -1.204545  
std = 1.192604  
RMS = 1.685500  
-----
```

```
***Row Num = 317  
Min = -5.000000  
Max = 1.000000  
Mean = -1.431818  
std = 1.420739  
RMS = 2.005674  
-----
```

```
***Row Num = 318  
Min = -8.000000  
Max = 2.000000  
Mean = -1.159091  
std = 2.291980  
RMS = 2.545049  
-----
```

```
***Row Num = 319  
Min = -18.000000  
Max = 11.000000  
Mean = -1.409091  
std = 5.239910  
RMS = 5.368257  
-----
```

```
***Row Num = 320  
Min = -14.000000  
Max = 10.000000  
Mean = -0.886364  
std = 4.183111  
RMS = 4.229227  
-----
```

```
***Row Num = 321  
Min = -102.000000  
Max = 79.000000  
Mean = 2.045455  
std = 35.695713  
RMS = 35.346981  
-----
```

```
***Row Num = 322  
Min = -92.000000  
Max = 94.000000  
Mean = 1.818182  
std = 35.883709  
RMS = 35.520161
```

```
***Row Num = 323  
Min = -27.000000  
Max = 88.000000  
Mean = 2.090909  
std = 23.676913  
RMS = 23.499516
```

```
***Row Num = 324  
Min = -49.000000  
Max = 35.000000  
Mean = -3.363636  
std = 16.695760  
RMS = 16.844206
```

```
***Row Num = 325  
Min = -128.000000  
Max = 63.000000  
Mean = -21.977273  
std = 46.738007  
RMS = 51.164396
```

```
***Row Num = 326  
Min = -88.000000  
Max = 68.000000  
Mean = -1.590909  
std = 31.615656  
RMS = 31.294786
```

```
***Row Num = 327  
Min = -36.000000  
Max = 61.000000  
Mean = -1.159091  
std = 17.806379  
RMS = 17.640990
```

```
***Row Num = 328  
Min = -98.000000  
Max = 90.000000  
Mean = -5.681818  
std = 32.991735  
RMS = 33.105891
```

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

```
Min = -39.563000
Max = 30.813000
Mean = -0.684625
std = 14.127260
RMS = 13.982571
```

```
-----
***Row Num = 330
Min = -39.563000
Max = 30.813000
Mean = -0.684625
std = 14.127260
RMS = 13.982571
```

```
-----
***Row Num = 331
Min = -39.563000
Max = 30.813000
Mean = -0.684625
std = 14.127260
RMS = 13.982571
```

```
-----
***Row Num = 332
Min = -87.313000
Max = 125.880000
Mean = 7.504636
std = 46.716142
RMS = 46.788007
```

```
-----
***Row Num = 333
Min = -87.313000
Max = 125.880000
Mean = 7.504636
std = 46.716142
RMS = 46.788007
```

```
-----
***Row Num = 334
Min = -87.313000
Max = 125.880000
Mean = 7.504636
std = 46.716142
RMS = 46.788007
```

```
-----
***Row Num = 335
Min = 2.605600
Max = 2.774200
Mean = 2.703523
std = 0.046931
RMS = 2.703921
```

```
-----
***Row Num = 336
Min = 3.061700
```

```
Max = 3.108100
Mean = 3.085114
std = 0.012424
RMS = 3.085138
```

```
***Row Num = 337
Min = 0.786840
Max = 0.986220
Mean = 0.889899
std = 0.051293
RMS = 0.891343
```

```
***Row Num = 338
Min = 6.190200
Max = 7.424200
Mean = 6.880789
std = 0.363618
RMS = 6.890172
```

```
***Row Num = 339
Min = 3.019100
Max = 5.815300
Mean = 4.956784
std = 0.948277
RMS = 5.044651
```

```
***Row Num = 340
Min = 0.094847
Max = 2.291000
Mean = 1.031908
std = 0.799024
RMS = 1.299525
```

```
***Row Num = 341
Min = 0.866210
Max = 1.018600
Mean = 0.929389
std = 0.032897
RMS = 0.929958
```

```
***Row Num = 342
Min = -0.490230
Max = -0.193360
Mean = -0.368895
std = 0.052430
RMS = 0.372519
```

```
***Row Num = 343
Min = -0.065430
Max = 0.168460
```



```
Mean = 0.064198
std = 0.050768
RMS = 0.081488
```

```
-----
***Row Num = 344
Min = -1.459500
Max = 1.570800
Mean = -0.012398
std = 0.656004
RMS = 0.648625
```

```
-----
***Row Num = 345
Min = -0.089355
Max = 1.096200
Mean = 0.751377
std = 0.257272
RMS = 0.793254
```

```
-----
***Row Num = 346
Min = -3.159700
Max = 1.138700
Mean = 0.338944
std = 0.586649
RMS = 0.671728
```

```
-----
***Row Num = 347
Min = -18.000000
Max = 11.000000
Mean = -0.409091
std = 4.867157
RMS = 4.828890
```

```
-----
***Row Num = 348
Min = -14.000000
Max = 13.000000
Mean = -0.613636
std = 5.301232
RMS = 5.276449
```

```
-----
***Row Num = 349
Min = -7.000000
Max = 11.000000
Mean = -1.068182
std = 3.737912
RMS = 3.846486
```

```
-----
***Row Num = 350
Min = -6.000000
Max = 2.000000
Mean = -1.022727
```

```
std = 1.405779  
RMS = 1.725478
```

```
-----  
***Row Num = 351  
Min = -6.000000  
Max = 4.000000  
Mean = -1.068182  
std = 1.783617  
RMS = 2.061553
```

```
-----  
***Row Num = 352  
Min = -4.000000  
Max = 4.000000  
Mean = -0.909091  
std = 1.840351  
RMS = 2.033805
```

```
-----  
***Row Num = 353  
Min = -8.000000  
Max = 15.000000  
Mean = 0.000000  
std = 3.760257  
RMS = 3.717282
```

```
-----  
***Row Num = 354  
Min = -4.000000  
Max = 7.000000  
Mean = 0.090909  
std = 2.826932  
RMS = 2.796101
```

```
-----  
***Row Num = 355  
Min = -90.000000  
Max = 69.000000  
Mean = -1.295455  
std = 34.568826  
RMS = 34.198285
```

```
-----  
***Row Num = 356  
Min = -98.000000  
Max = 68.000000  
Mean = 5.386364  
std = 28.990950  
RMS = 29.161385
```

```
-----  
***Row Num = 357  
Min = -21.000000  
Max = 48.000000  
Mean = 4.113636  
std = 13.930418
```

RMS = 14.372480

***Row Num = 358

Min = -67.000000

Max = 46.000000

Mean = 0.409091

std = 19.880244

RMS = 19.657291

***Row Num = 359

Min = -128.000000

Max = 117.000000

Mean = 4.977273

std = 52.047603

RMS = 51.692931

***Row Num = 360

Min = -52.000000

Max = 60.000000

Mean = 2.409091

std = 25.387525

RMS = 25.212731

***Row Num = 361

Min = -42.000000

Max = 28.000000

Mean = -1.409091

std = 15.376391

RMS = 15.265826

***Row Num = 362

Min = -69.000000

Max = 127.000000

Mean = -2.204545

std = 35.262853

RMS = 34.929474

***Row Num = 363

Min = -37.188000

Max = 27.938000

Mean = -0.453114

std = 13.603141

RMS = 13.455303

***Row Num = 364

Min = -37.188000

Max = 27.938000

Mean = -0.453114

std = 13.603141

RMS = 13.455303

***Row Num = 365
Min = -37.188000
Max = 27.938000
Mean = -0.453114
std = 13.603141
RMS = 13.455303

***Row Num = 366
Min = -137.630000
Max = 247.380000
Mean = 7.127898
std = 57.703960
RMS = 57.488067

***Row Num = 367
Min = -137.630000
Max = 247.380000
Mean = 7.127898
std = 57.703960
RMS = 57.488067

***Row Num = 368
Min = -137.630000
Max = 247.380000
Mean = 7.127898
std = 57.703960
RMS = 57.488067

***Row Num = 369
Min = 2.654000
Max = 2.824700
Mean = 2.759380
std = 0.037601
RMS = 2.759630

***Row Num = 370
Min = 3.087100
Max = 3.129700
Mean = 3.104891
std = 0.010168
RMS = 3.104907

***Row Num = 371
Min = 0.721350
Max = 0.989350
Mean = 0.828969
std = 0.056320
RMS = 0.830836

```
***Row Num = 372
Min = 6.399700
Max = 7.603900
Mean = 6.963455
std = 0.275217
RMS = 6.968768
-----
```

```
***Row Num = 373
Min = 2.986700
Max = 5.765900
Mean = 4.988277
std = 0.840937
RMS = 5.057076
-----
```

```
***Row Num = 374
Min = 0.005392
Max = 2.427200
Mean = 1.046961
std = 0.711051
RMS = 1.261043
-----
```

```
***Row Num = 375
Min = 0.845700
Max = 1.082500
Mean = 0.917770
std = 0.042286
RMS = 0.918721
-----
```

```
***Row Num = 376
Min = -0.494140
Max = -0.310060
Mean = -0.372570
std = 0.037789
RMS = 0.374438
-----
```

```
***Row Num = 377
Min = -0.163570
Max = 0.260740
Mean = 0.103194
std = 0.080510
RMS = 0.130321
-----
```

```
***Row Num = 378
Min = -1.136700
Max = 2.035600
Mean = 0.062312
std = 0.700824
RMS = 0.695611
-----
```

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

```
Min = -0.049316
Max = 1.219200
Mean = 0.686866
std = 0.276898
RMS = 0.739402
```

```
***Row Num = 380
Min = -0.835940
Max = 1.453600
Mean = 0.423040
std = 0.396785
RMS = 0.576908
```

```
***Row Num = 381
Min = -7.000000
Max = 10.000000
Mean = -0.181818
std = 3.336010
RMS = 3.302891
```

```
***Row Num = 382
Min = -6.000000
Max = 16.000000
Mean = -0.136364
std = 3.997621
RMS = 3.954284
```

```
***Row Num = 383
Min = -11.000000
Max = 7.000000
Mean = -0.977273
std = 3.209641
RMS = 3.320049
```

```
***Row Num = 384
Min = -8.000000
Max = 2.000000
Mean = -1.613636
std = 1.673541
RMS = 2.311041
```

```
***Row Num = 385
Min = -5.000000
Max = 4.000000
Mean = -1.250000
std = 1.644229
RMS = 2.050499
```

```
***Row Num = 386
Min = -11.000000
```

```
Max = 11.000000
Mean = -0.818182
std = 3.149549
RMS = 3.219260
```

```
***Row Num = 387
Min = -33.000000
Max = 43.000000
Mean = 0.363636
std = 9.363688
RMS = 9.263810
```

```
***Row Num = 388
Min = -10.000000
Max = 8.000000
Mean = -0.272727
std = 3.315668
RMS = 3.289100
```

```
***Row Num = 389
Min = -128.000000
Max = 100.000000
Mean = -1.113636
std = 41.171347
RMS = 40.716034
```

```
***Row Num = 390
Min = -48.000000
Max = 40.000000
Mean = -1.840909
std = 18.115833
RMS = 18.003156
```

```
***Row Num = 391
Min = -28.000000
Max = 16.000000
Mean = -2.386364
std = 9.344109
RMS = 9.540583
```

```
***Row Num = 392
Min = -29.000000
Max = 82.000000
Mean = 2.068182
std = 18.092010
RMS = 18.004419
```

```
***Row Num = 393
Min = -128.000000
Max = 127.000000
```

```
Mean = -10.363636
std = 55.453350
RMS = 55.790599
```

```
-----
***Row Num = 394
Min = -98.000000
Max = 101.000000
Mean = -4.840909
std = 32.873926
RMS = 32.856783
```

```
-----
***Row Num = 395
Min = -29.000000
Max = 47.000000
Mean = 1.181818
std = 14.533478
RMS = 14.415900
```

```
-----
***Row Num = 396
Min = -71.000000
Max = 61.000000
Mean = -5.340909
std = 24.226588
RMS = 24.538004
```

```
-----
***Row Num = 397
Min = -84.313000
Max = 34.188000
Mean = -4.934727
std = 22.149486
RMS = 22.445518
```

```
-----
***Row Num = 398
Min = -84.313000
Max = 34.188000
Mean = -4.934727
std = 22.149486
RMS = 22.445518
```

```
-----
***Row Num = 399
Min = -84.313000
Max = 34.188000
Mean = -4.934727
std = 22.149486
RMS = 22.445518
```

```
-----
***Row Num = 400
Min = -112.560000
Max = 95.563000
Mean = 0.921875
```



```
std = 42.039710
RMS = 41.569464
```

```
-----
***Row Num = 401
Min = -112.560000
Max = 95.563000
Mean = 0.921875
std = 42.039710
RMS = 41.569464
```

```
-----
***Row Num = 402
Min = -112.560000
Max = 95.563000
Mean = 0.921875
std = 42.039710
RMS = 41.569464
```

```
-----
***Row Num = 403
Min = 2.525600
Max = 3.048900
Mean = 2.900168
std = 0.168312
RMS = 2.904937
```

```
-----
***Row Num = 404
Min = 3.054900
Max = 3.182100
Mean = 3.133159
std = 0.037458
RMS = 3.133378
```

```
-----
***Row Num = 405
Min = 0.394700
Max = 0.730610
Mean = 0.554434
std = 0.082430
RMS = 0.560390
```

```
-----
***Row Num = 406
Min = 6.465200
Max = 7.604500
Mean = 6.950905
std = 0.328077
RMS = 6.958467
```

```
-----
***Row Num = 407
Min = 3.041900
Max = 5.812800
Mean = 4.801255
std = 1.048353
```

RMS = 4.911834

***Row Num = 408

Min = 0.096076

Max = 9.988400

Mean = 4.957840

std = 4.397978

RMS = 6.594148

***Row Num = 409

Min = 0.813960

Max = 1.012200

Mean = 0.924506

std = 0.030201

RMS = 0.924988

***Row Num = 410

Min = -0.462890

Max = -0.310550

Mean = -0.369629

std = 0.031337

RMS = 0.370925

***Row Num = 411

Min = 0.012695

Max = 0.188480

Mean = 0.098200

std = 0.039276

RMS = 0.105597

***Row Num = 412

Min = -1.483900

Max = 1.699200

Mean = -0.077760

std = 0.597742

RMS = 0.596005

***Row Num = 413

Min = 0.212890

Max = 0.962890

Mean = 0.698840

std = 0.203105

RMS = 0.727112

***Row Num = 414

Min = -1.051800

Max = 0.990720

Mean = 0.444801

std = 0.318923

RMS = 0.545205

```
***Row Num = 415
Min = -11.000000
Max = 4.000000
Mean = -1.704545
std = 3.173873
RMS = 3.570714
```

```
***Row Num = 416
Min = -8.000000
Max = 13.000000
Mean = -0.090909
std = 4.062410
RMS = 4.017009
```

```
***Row Num = 417
Min = -21.000000
Max = 4.000000
Mean = -1.318182
std = 3.856572
RMS = 4.033947
```

```
***Row Num = 418
Min = -3.000000
Max = 3.000000
Mean = -0.818182
std = 1.368631
RMS = 1.581139
```

```
***Row Num = 419
Min = -3.000000
Max = 4.000000
Mean = -0.431818
std = 1.605191
RMS = 1.644550
```

```
***Row Num = 420
Min = -7.000000
Max = 13.000000
Mean = -0.659091
std = 3.041903
RMS = 3.078518
```

```
***Row Num = 421
Min = -57.000000
Max = 43.000000
Mean = -0.977273
std = 12.748896
RMS = 12.641023
```

```
***Row Num = 422
Min = -6.000000
Max = 16.000000
Mean = -0.545455
std = 3.656498
RMS = 3.655631
-----
```

```
***Row Num = 423
Min = -88.000000
Max = 58.000000
Mean = 2.045455
std = 31.437612
RMS = 31.145553
-----
```

```
***Row Num = 424
Min = -60.000000
Max = 44.000000
Mean = 2.954545
std = 19.870458
RMS = 19.864312
-----
```

```
***Row Num = 425
Min = -29.000000
Max = 21.000000
Mean = -0.431818
std = 10.597055
RMS = 10.484838
-----
```

```
***Row Num = 426
Min = -43.000000
Max = 61.000000
Mean = -3.500000
std = 16.374257
RMS = 16.561181
-----
```

```
***Row Num = 427
Min = -123.000000
Max = 127.000000
Mean = -5.477273
std = 54.408228
RMS = 54.064566
-----
```

```
***Row Num = 428
Min = -42.000000
Max = 79.000000
Mean = 8.681818
std = 22.609704
RMS = 23.978210
-----
```

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

```
Min = -60.000000
Max = 29.000000
Mean = -1.568182
std = 17.501359
RMS = 17.372261
```

```
***Row Num = 430
Min = -62.000000
Max = 59.000000
Mean = -5.818182
std = 26.974814
RMS = 27.293855
```

```
***Row Num = 431
Min = -62.375000
Max = 31.750000
Mean = -1.198898
std = 15.818581
RMS = 15.683681
```

```
***Row Num = 432
Min = -62.375000
Max = 31.750000
Mean = -1.198898
std = 15.818581
RMS = 15.683681
```

```
***Row Num = 433
Min = -62.375000
Max = 31.750000
Mean = -1.198898
std = 15.818581
RMS = 15.683681
```

```
***Row Num = 434
Min = -108.500000
Max = 80.750000
Mean = 4.120795
std = 36.098050
RMS = 35.922625
```

```
***Row Num = 435
Min = -108.500000
Max = 80.750000
Mean = 4.120795
std = 36.098050
RMS = 35.922625
```

```
***Row Num = 436
Min = -108.500000
```

```
Max = 80.750000
Mean = 4.120795
std = 36.098050
RMS = 35.922625
```

```
***Row Num = 437
Min = 2.685900
Max = 2.997800
Mean = 2.906173
std = 0.065593
RMS = 2.906896
```

```
***Row Num = 438
Min = 3.083600
Max = 3.149400
Mean = 3.125700
std = 0.015769
RMS = 3.125739
```

```
***Row Num = 439
Min = 0.357280
Max = 0.593570
Mean = 0.442607
std = 0.048433
RMS = 0.445189
```

```
***Row Num = 440
Min = 6.351100
Max = 7.634000
Mean = 6.798261
std = 0.318317
RMS = 6.805540
```

```
***Row Num = 441
Min = 2.896000
Max = 5.797400
Mean = 5.021764
std = 0.900685
RMS = 5.100089
```

```
***Row Num = 442
Min = 0.039035
Max = 9.680200
Mean = 1.920057
std = 2.873890
RMS = 3.429017
```

```
***Row Num = 443
Min = 0.848630
Max = 0.996090
```

```
Mean = 0.925148
std = 0.027533
RMS = 0.925548
```

```
-----
***Row Num = 444
Min = -0.497560
Max = -0.271480
Mean = -0.365356
std = 0.038633
RMS = 0.367347
```

```
-----
***Row Num = 445
Min = -0.107420
Max = 0.195800
Mean = 0.075240
std = 0.064368
RMS = 0.098540
```

```
-----
***Row Num = 446
Min = -1.490200
Max = 1.658200
Mean = -0.072352
std = 0.629705
RMS = 0.626698
```

```
-----
***Row Num = 447
Min = 0.104980
Max = 1.027800
Mean = 0.727772
std = 0.233514
RMS = 0.763506
```

```
-----
***Row Num = 448
Min = -1.492200
Max = 1.277800
Mean = 0.448929
std = 0.424615
RMS = 0.614604
```

```
-----
***Row Num = 449
Min = -24.000000
Max = 7.000000
Mean = -1.454545
std = 4.805300
RMS = 4.968080
```

```
-----
***Row Num = 450
Min = -14.000000
Max = 11.000000
Mean = -2.318182
```

```
std = 5.721330
RMS = 6.112580
```

```
-----
***Row Num = 451
Min = -11.000000
Max = 14.000000
Mean = -2.022727
std = 4.167921
RMS = 4.590009
```

```
-----
***Row Num = 452
Min = -6.000000
Max = 4.000000
Mean = -1.363636
std = 1.868850
RMS = 2.296242
```

```
-----
***Row Num = 453
Min = -6.000000
Max = 4.000000
Mean = -1.409091
std = 1.944798
RMS = 2.383656
```

```
-----
***Row Num = 454
Min = -14.000000
Max = 4.000000
Mean = -1.795455
std = 2.824968
RMS = 3.320049
```

```
-----
***Row Num = 455
Min = -25.000000
Max = 8.000000
Mean = -3.522727
std = 6.568029
RMS = 7.387028
```

```
-----
***Row Num = 456
Min = -8.000000
Max = 3.000000
Mean = -1.863636
std = 2.575293
RMS = 3.155082
```

```
-----
***Row Num = 457
Min = -100.000000
Max = 64.000000
Mean = -5.795455
std = 40.523080
```


RMS = 40.476986

***Row Num = 458
Min = -81.000000
Max = 68.000000
Mean = -7.795455
std = 28.959940
RMS = 29.671305

***Row Num = 459
Min = -23.000000
Max = 27.000000
Mean = -0.886364
std = 11.592331
RMS = 11.494070

***Row Num = 460
Min = -61.000000
Max = 41.000000
Mean = -4.590909
std = 20.617579
RMS = 20.892582

***Row Num = 461
Min = -128.000000
Max = 127.000000
Mean = -15.431818
std = 62.973009
RMS = 64.137459

***Row Num = 462
Min = -87.000000
Max = 96.000000
Mean = 1.704545
std = 38.760793
RMS = 38.355692

***Row Num = 463
Min = -43.000000
Max = 38.000000
Mean = -1.409091
std = 19.038905
RMS = 18.873984

***Row Num = 464
Min = -69.000000
Max = 125.000000
Mean = -4.977273
std = 31.578244
RMS = 31.611635

```
***Row Num = 465
Min = -79.313000
Max = 36.000000
Mean = -1.863659
std = 18.529109
RMS = 18.411903
```

```
***Row Num = 466
Min = -79.313000
Max = 36.000000
Mean = -1.863659
std = 18.529109
RMS = 18.411903
```

```
***Row Num = 467
Min = -79.313000
Max = 36.000000
Mean = -1.863659
std = 18.529109
RMS = 18.411903
```

```
***Row Num = 468
Min = -105.690000
Max = 237.630000
Mean = 8.964602
std = 52.800971
RMS = 52.961725
```

```
***Row Num = 469
Min = -105.690000
Max = 237.630000
Mean = 8.964602
std = 52.800971
RMS = 52.961725
```

```
***Row Num = 470
Min = -105.690000
Max = 237.630000
Mean = 8.964602
std = 52.800971
RMS = 52.961725
```

```
***Row Num = 471
Min = 2.512500
Max = 2.949300
Mean = 2.831882
std = 0.095975
RMS = 2.833471
```

```
***Row Num = 472
Min = 3.045300
Max = 3.148100
Mean = 3.110973
std = 0.027880
RMS = 3.111095
```

```
***Row Num = 473
Min = 0.455240
Max = 0.836990
Mean = 0.591720
std = 0.082864
RMS = 0.597364
```

```
***Row Num = 474
Min = 6.349600
Max = 7.651000
Mean = 6.839505
std = 0.341431
RMS = 6.847828
```

```
***Row Num = 475
Min = 2.964700
Max = 5.844200
Mean = 5.025495
std = 0.868612
RMS = 5.098328
```

```
***Row Num = 476
Min = 0.016322
Max = 9.583300
Mean = 1.955776
std = 2.862438
RMS = 3.439825
```

```
***Row Num = 477
Min = 0.878910
Max = 1.029300
Mean = 0.929343
std = 0.024186
RMS = 0.929651
```

```
***Row Num = 478
Min = -0.432130
Max = -0.293460
Mean = -0.355502
std = 0.030079
RMS = 0.356744
```

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

```
Min = -0.050293
Max = 0.168460
Mean = 0.076316
std = 0.040426
RMS = 0.086147
```

```
***Row Num = 480
Min = -1.252400
Max = 2.433100
Mean = -0.027167
std = 0.707081
RMS = 0.699527
```

```
***Row Num = 481
Min = -0.463380
Max = 0.940430
Mean = 0.659579
std = 0.274224
RMS = 0.713116
```

```
***Row Num = 482
Min = -0.079102
Max = 1.296400
Mean = 0.512662
std = 0.290290
RMS = 0.587516
```

```
***Row Num = 483
Min = -10.000000
Max = 10.000000
Mean = -0.704545
std = 3.239147
RMS = 3.278719
```

```
***Row Num = 484
Min = -14.000000
Max = 15.000000
Mean = -0.090909
std = 5.842181
RMS = 5.776126
```

```
***Row Num = 485
Min = -20.000000
Max = 12.000000
Mean = -0.522727
std = 5.440967
RMS = 5.404123
```

```
***Row Num = 486
Min = -5.000000
```

```
Max = 2.000000  
Mean = -1.363636  
std = 1.331041  
RMS = 1.894969
```

```
***Row Num = 487  
Min = -7.000000  
Max = 6.000000  
Mean = -1.113636  
std = 2.002509  
RMS = 2.271363
```

```
***Row Num = 488  
Min = -8.000000  
Max = 3.000000  
Mean = -0.977273  
std = 1.934853  
RMS = 2.147938
```

```
***Row Num = 489  
Min = -7.000000  
Max = 16.000000  
Mean = 0.477273  
std = 3.637586  
RMS = 3.627546
```

```
***Row Num = 490  
Min = -8.000000  
Max = 3.000000  
Mean = -0.931818  
std = 2.537145  
RMS = 2.675648
```

```
***Row Num = 491  
Min = -82.000000  
Max = 127.000000  
Mean = 0.454545  
std = 37.159277  
RMS = 36.737397
```

```
***Row Num = 492  
Min = -53.000000  
Max = 67.000000  
Mean = 1.431818  
std = 22.894498  
RMS = 22.678083
```

```
***Row Num = 493  
Min = -45.000000  
Max = 17.000000
```

```
Mean = -4.863636
std = 13.850684
RMS = 14.530532
```

```
***Row Num = 494
Min = -45.000000
Max = 62.000000
Mean = -1.181818
std = 21.342471
RMS = 21.131622
```

```
***Row Num = 495
Min = -128.000000
Max = 127.000000
Mean = -16.318182
std = 69.572707
RMS = 70.686890
```

```
***Row Num = 496
Min = -64.000000
Max = 87.000000
Mean = -0.272727
std = 28.842285
RMS = 28.513952
```

```
***Row Num = 497
Min = -40.000000
Max = 47.000000
Mean = -0.090909
std = 16.524567
RMS = 16.335961
```

```
***Row Num = 498
Min = -68.000000
Max = 91.000000
Mean = 5.295455
std = 33.179273
RMS = 33.224785
```

```
***Row Num = 499
Min = -29.813000
Max = 28.625000
Mean = -1.221614
std = 12.001371
RMS = 11.926935
```

```
***Row Num = 500
Min = -29.813000
Max = 28.625000
Mean = -1.221614
```

```
std = 12.001371
RMS = 11.926935
```

```
-----
***Row Num = 501
Min = -29.813000
Max = 28.625000
Mean = -1.221614
std = 12.001371
RMS = 11.926935
```

```
-----
***Row Num = 502
Min = -137.130000
Max = 178.500000
Mean = -0.798432
std = 54.220102
RMS = 53.606369
```

```
-----
***Row Num = 503
Min = -137.130000
Max = 178.500000
Mean = -0.798432
std = 54.220102
RMS = 53.606369
```

```
-----
***Row Num = 504
Min = -137.130000
Max = 178.500000
Mean = -0.798432
std = 54.220102
RMS = 53.606369
```

```
-----
***Row Num = 505
Min = 2.779500
Max = 2.908900
Mean = 2.827270
std = 0.031494
RMS = 2.827442
```

```
-----
***Row Num = 506
Min = 3.067400
Max = 3.114400
Mean = 3.088080
std = 0.014157
RMS = 3.088111
```

```
-----
***Row Num = 507
Min = 0.439480
Max = 0.636010
Mean = 0.547133
std = 0.035987
```

RMS = 0.548288

***Row Num = 508

Min = 6.262100

Max = 7.310900

Mean = 6.723568

std = 0.273073

RMS = 6.728985

***Row Num = 509

Min = 3.045600

Max = 5.769900

Mean = 4.990459

std = 0.833709

RMS = 5.058059

***Row Num = 510

Min = 0.000918

Max = 9.986300

Mean = 2.759189

std = 3.726204

RMS = 4.602409

***Row Num = 511

Min = 0.840820

Max = 0.996090

Mean = 0.927901

std = 0.030543

RMS = 0.928392

***Row Num = 512

Min = -0.447750

Max = -0.259280

Mean = -0.362193

std = 0.044519

RMS = 0.364857

***Row Num = 513

Min = -0.125000

Max = 0.143070

Mean = 0.044722

std = 0.054583

RMS = 0.070083

***Row Num = 514

Min = -1.536600

Max = 1.629900

Mean = 0.042702

std = 0.667263

RMS = 0.661018

```
***Row Num = 515
Min = 0.112790
Max = 1.022500
Mean = 0.648005
std = 0.258722
RMS = 0.696654
```

```
***Row Num = 516
Min = -0.592770
Max = 1.286100
Mean = 0.409367
std = 0.377971
RMS = 0.554253
```

```
***Row Num = 517
Min = -10.000000
Max = 13.000000
Mean = -0.454545
std = 5.262657
RMS = 5.222330
```

```
***Row Num = 518
Min = -18.000000
Max = 51.000000
Mean = 2.250000
std = 11.668134
RMS = 11.752176
```

```
***Row Num = 519
Min = -21.000000
Max = 51.000000
Mean = 1.204545
std = 11.780116
RMS = 11.707612
```

```
***Row Num = 520
Min = -8.000000
Max = 3.000000
Mean = -1.295455
std = 2.119451
RMS = 2.463368
```

```
***Row Num = 521
Min = -8.000000
Max = 10.000000
Mean = -1.022727
std = 3.030762
RMS = 3.165869
```

```
***Row Num = 522
Min = -19.000000
Max = 9.000000
Mean = -0.568182
std = 4.353014
RMS = 4.340612
```

```
***Row Num = 523
Min = -49.000000
Max = 32.000000
Mean = 0.045455
std = 13.454410
RMS = 13.300718
```

```
***Row Num = 524
Min = -19.000000
Max = 27.000000
Mean = -2.068182
std = 8.015676
RMS = 8.189517
```

```
***Row Num = 525
Min = -87.000000
Max = 94.000000
Mean = -2.159091
std = 42.488271
RMS = 42.058131
```

```
***Row Num = 526
Min = -55.000000
Max = 54.000000
Mean = -4.954545
std = 26.091034
RMS = 26.264390
```

```
***Row Num = 527
Min = -21.000000
Max = 17.000000
Mean = -1.909091
std = 9.382860
RMS = 9.470048
```

```
***Row Num = 528
Min = -46.000000
Max = 29.000000
Mean = -1.318182
std = 14.718716
RMS = 14.610084
```

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

```
Min = -122.000000
Max = 127.000000
Mean = 1.204545
std = 53.727815
RMS = 53.127420
```

```
***Row Num = 530
Min = -97.000000
Max = 62.000000
Mean = 2.568182
std = 30.768753
RMS = 30.525325
```

```
***Row Num = 531
Min = -68.000000
Max = 44.000000
Mean = -4.090909
std = 21.378992
RMS = 21.526939
```

```
***Row Num = 532
Min = -78.000000
Max = 114.000000
Mean = -4.022727
std = 34.680260
RMS = 34.519099
```

```
***Row Num = 533
Min = -27.688000
Max = 35.500000
Mean = -1.299750
std = 13.941700
RMS = 13.843512
```

```
***Row Num = 534
Min = -27.688000
Max = 35.500000
Mean = -1.299750
std = 13.941700
RMS = 13.843512
```

```
***Row Num = 535
Min = -27.688000
Max = 35.500000
Mean = -1.299750
std = 13.941700
RMS = 13.843512
```

```
***Row Num = 536
Min = -78.375000
```

```
Max = 159.440000  
Mean = 8.375170  
std = 42.708176  
RMS = 43.042740
```

```
***Row Num = 537  
Min = -78.375000  
Max = 159.440000  
Mean = 8.375170  
std = 42.708176  
RMS = 43.042740
```

```
***Row Num = 538  
Min = -78.375000  
Max = 159.440000  
Mean = 8.375170  
std = 42.708176  
RMS = 43.042740
```

```
***Row Num = 539  
Min = 2.547200  
Max = 2.817500  
Mean = 2.695907  
std = 0.079370  
RMS = 2.697048
```

```
***Row Num = 540  
Min = 3.044300  
Max = 3.124900  
Mean = 3.090402  
std = 0.022250  
RMS = 3.090481
```

```
***Row Num = 541  
Min = 0.301050  
Max = 0.632800  
Mean = 0.441791  
std = 0.072301  
RMS = 0.447536
```

```
***Row Num = 542  
Min = 6.237100  
Max = 7.844600  
Mean = 6.966782  
std = 0.438941  
RMS = 6.980282
```

```
***Row Num = 543  
Min = 2.914800  
Max = 5.709700
```

```
Mean = 4.791523
std = 1.054124
RMS = 4.903531
```

```
-----
***Row Num = 544
Min = 0.016316
Max = 9.986700
Mean = 4.067145
std = 4.299179
RMS = 5.882562
```

```
-----
***Row Num = 545
Min = 0.833010
Max = 1.011700
Mean = 0.931130
std = 0.035422
RMS = 0.931788
```

```
-----
***Row Num = 546
Min = -0.471190
Max = -0.247070
Mean = -0.353028
std = 0.049424
RMS = 0.356393
```

```
-----
***Row Num = 547
Min = -0.120610
Max = 0.168460
Mean = 0.058582
std = 0.051742
RMS = 0.077771
```

```
-----
***Row Num = 548
Min = -1.263700
Max = 1.982400
Mean = 0.152043
std = 0.719122
RMS = 0.726980
```

```
-----
***Row Num = 549
Min = -0.180660
Max = 0.942870
Mean = 0.611749
std = 0.274055
RMS = 0.669056
```

```
-----
***Row Num = 550
Min = -0.242680
Max = 1.239700
Mean = 0.424393
```

```
std = 0.323229  
RMS = 0.531237
```

```
-----  
***Row Num = 551  
Min = -17.000000  
Max = 18.000000  
Mean = -0.159091  
std = 7.077456  
RMS = 6.998376
```

```
-----  
***Row Num = 552  
Min = -19.000000  
Max = 14.000000  
Mean = -0.340909  
std = 5.681235  
RMS = 5.626641
```

```
-----  
***Row Num = 553  
Min = -7.000000  
Max = 14.000000  
Mean = -1.136364  
std = 3.137107  
RMS = 3.302891
```

```
-----  
***Row Num = 554  
Min = -7.000000  
Max = 2.000000  
Mean = -1.477273  
std = 1.731898  
RMS = 2.261335
```

```
-----  
***Row Num = 555  
Min = -8.000000  
Max = 5.000000  
Mean = -1.250000  
std = 2.393062  
RMS = 2.675648
```

```
-----  
***Row Num = 556  
Min = -14.000000  
Max = 4.000000  
Mean = -1.522727  
std = 2.921362  
RMS = 3.264826
```

```
-----  
***Row Num = 557  
Min = -47.000000  
Max = 29.000000  
Mean = -2.500000  
std = 10.471445
```

RMS = 10.649370

***Row Num = 558
Min = -47.000000
Max = 13.000000
Mean = -2.090909
std = 7.897065
RMS = 8.081966

***Row Num = 559
Min = -58.000000
Max = 65.000000
Mean = -1.295455
std = 30.696246
RMS = 30.373059

***Row Num = 560
Min = -79.000000
Max = 91.000000
Mean = -6.477273
std = 29.230033
RMS = 29.613035

***Row Num = 561
Min = -25.000000
Max = 45.000000
Mean = -0.545455
std = 14.337225
RMS = 14.183858

***Row Num = 562
Min = -57.000000
Max = 48.000000
Mean = -3.909091
std = 20.158463
RMS = 20.307858

***Row Num = 563
Min = -128.000000
Max = 127.000000
Mean = -13.386364
std = 55.892844
RMS = 56.852481

***Row Num = 564
Min = -82.000000
Max = 95.000000
Mean = 0.863636
std = 35.348492
RMS = 34.955166

***Row Num = 565
Min = -45.000000
Max = 27.000000
Mean = -0.795455
std = 15.075900
RMS = 14.924812

***Row Num = 566
Min = -51.000000
Max = 58.000000
Mean = -3.090909
std = 26.541602
RMS = 26.419690

***Row Num = 567
Min = -83.938000
Max = 56.500000
Mean = -0.036943
std = 20.243752
RMS = 20.012421

***Row Num = 568
Min = -83.938000
Max = 56.500000
Mean = -0.036943
std = 20.243752
RMS = 20.012421

***Row Num = 569
Min = -83.938000
Max = 56.500000
Mean = -0.036943
std = 20.243752
RMS = 20.012421

***Row Num = 570
Min = -104.440000
Max = 100.440000
Mean = 1.494352
std = 40.332985
RMS = 39.900015

***Row Num = 571
Min = -104.440000
Max = 100.440000
Mean = 1.494352
std = 40.332985
RMS = 39.900015

```
***Row Num = 572
Min = -104.440000
Max = 100.440000
Mean = 1.494352
std = 40.332985
RMS = 39.900015
```

```
***Row Num = 573
Min = 2.666900
Max = 2.855500
Mean = 2.747218
std = 0.044921
RMS = 2.747577
```

```
***Row Num = 574
Min = 3.041600
Max = 3.107800
Mean = 3.076534
std = 0.014941
RMS = 3.076570
```

```
***Row Num = 575
Min = 0.343500
Max = 0.518510
Mean = 0.442451
std = 0.044903
RMS = 0.444672
```

```
***Row Num = 576
Min = 6.319000
Max = 7.509100
Mean = 6.836639
std = 0.329338
RMS = 6.844386
```

```
***Row Num = 577
Min = 2.896700
Max = 5.840400
Mean = 4.638505
std = 1.140133
RMS = 4.773477
```

```
***Row Num = 578
Min = 0.100140
Max = 9.805600
Mean = 2.991307
std = 3.957071
RMS = 4.924475
```

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

```
Min = 0.857910
Max = 1.070300
Mean = 0.930620
std = 0.034548
RMS = 0.931246
```

```
***Row Num = 580
Min = -0.485840
Max = -0.248050
Mean = -0.358798
std = 0.051221
RMS = 0.362353
```

```
***Row Num = 581
Min = -0.101070
Max = 0.177730
Mean = 0.060758
std = 0.050250
RMS = 0.078480
```

```
***Row Num = 582
Min = -1.162600
Max = 2.114700
Mean = 0.200139
std = 0.736477
RMS = 0.755068
```

```
***Row Num = 583
Min = 0.083984
Max = 1.072800
Mean = 0.626088
std = 0.256949
RMS = 0.675654
```

```
***Row Num = 584
Min = -1.334000
Max = 1.179200
Mean = 0.410045
std = 0.402635
RMS = 0.571460
```

```
***Row Num = 585
Min = -15.000000
Max = 8.000000
Mean = -1.954545
std = 4.366652
RMS = 4.738623
```

```
***Row Num = 586
Min = -22.000000
```

```
Max = 20.000000  
Mean = -2.250000  
std = 7.939085  
RMS = 8.164502
```

```
***Row Num = 587  
Min = -30.000000  
Max = 9.000000  
Mean = -1.727273  
std = 5.362938  
RMS = 5.575922
```

```
***Row Num = 588  
Min = -5.000000  
Max = 3.000000  
Mean = -0.909091  
std = 1.639883  
RMS = 1.858641
```

```
***Row Num = 589  
Min = -4.000000  
Max = 2.000000  
Mean = -0.863636  
std = 1.472080  
RMS = 1.692228
```

```
***Row Num = 590  
Min = -8.000000  
Max = 12.000000  
Mean = -0.545455  
std = 3.223854  
RMS = 3.233349
```

```
***Row Num = 591  
Min = -30.000000  
Max = 24.000000  
Mean = -0.863636  
std = 8.165699  
RMS = 8.118441
```

```
***Row Num = 592  
Min = -10.000000  
Max = 8.000000  
Mean = -0.250000  
std = 3.531420  
RMS = 3.500000
```

```
***Row Num = 593  
Min = -85.000000  
Max = 71.000000
```

```
Mean = 0.931818  
std = 36.300040  
RMS = 35.897265
```

```
-----  
***Row Num = 594  
Min = -67.000000  
Max = 46.000000  
Mean = -4.022727  
std = 22.452522  
RMS = 22.557502
```

```
-----  
***Row Num = 595  
Min = -54.000000  
Max = 68.000000  
Mean = -0.977273  
std = 20.549983  
RMS = 20.338611
```

```
-----  
***Row Num = 596  
Min = -44.000000  
Max = 54.000000  
Mean = -3.840909  
std = 15.999917  
RMS = 16.276726
```

```
-----  
***Row Num = 597  
Min = -128.000000  
Max = 126.000000  
Mean = -16.159091  
std = 53.849464  
RMS = 55.632520
```

```
-----  
***Row Num = 598  
Min = -128.000000  
Max = 104.000000  
Mean = -8.477273  
std = 39.588281  
RMS = 40.043442
```

```
-----  
***Row Num = 599  
Min = -22.000000  
Max = 42.000000  
Mean = 0.204545  
std = 12.868891  
RMS = 12.723457
```

```
-----  
***Row Num = 600  
Min = -45.000000  
Max = 105.000000  
Mean = 7.068182
```

```
std = 30.431316
RMS = 30.902707
```

```
-----
***Row Num = 601
Min = -29.375000
Max = 47.563000
Mean = -0.235807
std = 14.754285
RMS = 14.587565
```

```
-----
***Row Num = 602
Min = -29.375000
Max = 47.563000
Mean = -0.235807
std = 14.754285
RMS = 14.587565
```

```
-----
***Row Num = 603
Min = -29.375000
Max = 47.563000
Mean = -0.235807
std = 14.754285
RMS = 14.587565
```

```
-----
***Row Num = 604
Min = -161.630000
Max = 119.250000
Mean = -1.069716
std = 50.618057
RMS = 50.050978
```

```
-----
***Row Num = 605
Min = -161.630000
Max = 119.250000
Mean = -1.069716
std = 50.618057
RMS = 50.050978
```

```
-----
***Row Num = 606
Min = -161.630000
Max = 119.250000
Mean = -1.069716
std = 50.618057
RMS = 50.050978
```

```
-----
***Row Num = 607
Min = 2.600700
Max = 2.853800
Mean = 2.766900
std = 0.059640
```

RMS = 2.767528

***Row Num = 608

Min = 3.042900

Max = 3.136700

Mean = 3.089970

std = 0.023462

RMS = 3.090058

***Row Num = 609

Min = 0.233680

Max = 0.541920

Mean = 0.348590

std = 0.071878

RMS = 0.355759

***Row Num = 610

Min = 6.320500

Max = 7.742900

Mean = 6.803725

std = 0.327305

RMS = 6.811415

***Row Num = 611

Min = 2.895100

Max = 5.734100

Mean = 4.640675

std = 1.092941

RMS = 4.764791

***Row Num = 612

Min = 0.051100

Max = 9.933700

Mean = 2.752375

std = 3.865115

RMS = 4.709051

***Row Num = 613

Min = 0.848630

Max = 1.002400

Mean = 0.933293

std = 0.026249

RMS = 0.933654

***Row Num = 614

Min = -0.487300

Max = -0.223140

Mean = -0.349864

std = 0.049961

RMS = 0.353333

***Row Num = 615
Min = -0.057129
Max = 0.166500
Mean = 0.056263
std = 0.049731
RMS = 0.074716

***Row Num = 616
Min = -1.043500
Max = 1.593300
Mean = 0.183074
std = 0.667964
RMS = 0.685239

***Row Num = 617
Min = 0.174800
Max = 0.992680
Mean = 0.606899
std = 0.250510
RMS = 0.655481

***Row Num = 618
Min = -0.403810
Max = 1.141100
Mean = 0.437733
std = 0.319481
RMS = 0.539776

***Row Num = 619
Min = -11.000000
Max = 16.000000
Mean = -0.727273
std = 5.177607
RMS = 5.169843

***Row Num = 620
Min = -20.000000
Max = 17.000000
Mean = -0.136364
std = 7.251595
RMS = 7.170013

***Row Num = 621
Min = -13.000000
Max = 22.000000
Mean = 0.000000
std = 5.569852
RMS = 5.506195

```
***Row Num = 622
Min = -5.000000
Max = 7.000000
Mean = -0.750000
std = 2.013039
RMS = 2.126670
```

```
***Row Num = 623
Min = -5.000000
Max = 4.000000
Mean = -1.250000
std = 1.713490
RMS = 2.105188
```

```
***Row Num = 624
Min = -6.000000
Max = 3.000000
Mean = -1.295455
std = 2.041198
RMS = 2.397916
```

```
***Row Num = 625
Min = -21.000000
Max = 13.000000
Mean = -0.363636
std = 5.452078
RMS = 5.402020
```

```
***Row Num = 626
Min = -20.000000
Max = 7.000000
Mean = -1.522727
std = 4.267174
RMS = 4.484823
```

```
***Row Num = 627
Min = -86.000000
Max = 59.000000
Mean = -4.000000
std = 30.258576
RMS = 30.179011
```

```
***Row Num = 628
Min = -76.000000
Max = 123.000000
Mean = 2.727273
std = 28.873714
RMS = 28.673713
```

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



```
Min = -43.000000
Max = 56.000000
Mean = 0.750000
std = 15.736382
RMS = 15.574601
```

```
***Row Num = 630
Min = -41.000000
Max = 44.000000
Mean = 1.113636
std = 13.289646
RMS = 13.184874
```

```
***Row Num = 631
Min = -126.000000
Max = 127.000000
Mean = 2.272727
std = 51.520311
RMS = 50.982172
```

```
***Row Num = 632
Min = -113.000000
Max = 73.000000
Mean = -6.840909
std = 37.626650
RMS = 37.820449
```

```
***Row Num = 633
Min = -103.000000
Max = 42.000000
Mean = -2.204545
std = 24.022838
RMS = 23.850386
```

```
***Row Num = 634
Min = -99.000000
Max = 74.000000
Mean = 1.545455
std = 32.085246
RMS = 31.756173
```

```
***Row Num = 635
Min = -39.813000
Max = 39.625000
Mean = 0.035500
std = 15.506308
RMS = 15.329128
```

```
***Row Num = 636
Min = -39.813000
```

```
Max = 39.625000
Mean = 0.035500
std = 15.506308
RMS = 15.329128
```

```
***Row Num = 637
Min = -39.813000
Max = 39.625000
Mean = 0.035500
std = 15.506308
RMS = 15.329128
```

```
***Row Num = 638
Min = -74.188000
Max = 94.625000
Mean = 1.088057
std = 35.432463
RMS = 35.044402
```

```
***Row Num = 639
Min = -74.188000
Max = 94.625000
Mean = 1.088057
std = 35.432463
RMS = 35.044402
```

```
***Row Num = 640
Min = -74.188000
Max = 94.625000
Mean = 1.088057
std = 35.432463
RMS = 35.044402
```

```
***Row Num = 641
Min = 2.694800
Max = 2.820000
Mean = 2.743102
std = 0.031757
RMS = 2.743282
```

```
***Row Num = 642
Min = 3.054200
Max = 3.111500
Mean = 3.075750
std = 0.015871
RMS = 3.075790
```

```
***Row Num = 643
Min = 0.198130
Max = 0.454770
```

```
Mean = 0.347018
std = 0.058277
RMS = 0.351767
```

```
-----
***Row Num = 644
Min = 6.290100
Max = 7.660600
Mean = 6.827025
std = 0.370649
RMS = 6.836851
```

```
-----
***Row Num = 645
Min = 2.871500
Max = 5.709100
Mean = 4.619584
std = 1.096485
RMS = 4.745051
```

```
-----
***Row Num = 646
Min = 0.035222
Max = 9.728600
Mean = 2.580592
std = 3.634800
RMS = 4.423907
```

```
-----
***Row Num = 647
Min = 0.815920
Max = 1.136200
Mean = 0.935713
std = 0.049338
RMS = 0.936983
```

```
-----
***Row Num = 648
Min = -0.528810
Max = -0.220700
Mean = -0.343417
std = 0.059198
RMS = 0.348368
```

```
-----
***Row Num = 649
Min = -0.135250
Max = 0.178220
Mean = 0.037154
std = 0.058290
RMS = 0.068563
```

```
-----
***Row Num = 650
Min = -1.425300
Max = 2.524400
Mean = 0.268778
```

```
std = 0.769900  
RMS = 0.807166
```

```
-----  
***Row Num = 651  
Min = -0.750490  
Max = 1.227500  
Mean = 0.552612  
std = 0.375085  
RMS = 0.665485
```

```
-----  
***Row Num = 652  
Min = -0.484380  
Max = 1.402800  
Mean = 0.342560  
std = 0.393041  
RMS = 0.517994
```

```
-----  
***Row Num = 653  
Min = -17.000000  
Max = 15.000000  
Mean = -0.522727  
std = 6.067407  
RMS = 6.020797
```

```
-----  
***Row Num = 654  
Min = -23.000000  
Max = 24.000000  
Mean = 0.613636  
std = 8.608314  
RMS = 8.532025
```

```
-----  
***Row Num = 655  
Min = -12.000000  
Max = 19.000000  
Mean = -0.363636  
std = 4.827686  
RMS = 4.786344
```

```
-----  
***Row Num = 656  
Min = -5.000000  
Max = 2.000000  
Mean = -1.250000  
std = 1.766945  
RMS = 2.147938
```

```
-----  
***Row Num = 657  
Min = -8.000000  
Max = 3.000000  
Mean = -1.113636  
std = 2.507810
```

RMS = 2.717787

***Row Num = 658
Min = -28.000000
Max = 15.000000
Mean = -1.250000
std = 5.953795
RMS = 6.017021

***Row Num = 659
Min = -61.000000
Max = 31.000000
Mean = -4.840909
std = 16.614568
RMS = 17.123217

***Row Num = 660
Min = -15.000000
Max = 16.000000
Mean = -1.204545
std = 5.441356
RMS = 5.512383

***Row Num = 661
Min = -56.000000
Max = 57.000000
Mean = 0.136364
std = 23.329382
RMS = 23.063154

***Row Num = 662
Min = -48.000000
Max = 49.000000
Mean = -0.386364
std = 17.593889
RMS = 17.397100

***Row Num = 663
Min = -76.000000
Max = 29.000000
Mean = -2.613636
std = 20.171608
RMS = 20.111620

***Row Num = 664
Min = -34.000000
Max = 53.000000
Mean = -1.068182
std = 17.283407
RMS = 17.119234

***Row Num = 665
Min = -98.000000
Max = 63.000000
Mean = -6.704545
std = 36.616542
RMS = 36.813720

***Row Num = 666
Min = -95.000000
Max = 46.000000
Mean = -3.840909
std = 31.382815
RMS = 31.260998

***Row Num = 667
Min = -47.000000
Max = 42.000000
Mean = -1.909091
std = 16.078034
RMS = 16.008520

***Row Num = 668
Min = -42.000000
Max = 80.000000
Mean = 1.750000
std = 23.128684
RMS = 22.931221

***Row Num = 669
Min = -35.375000
Max = 38.813000
Mean = 0.176125
std = 15.820648
RMS = 15.640826

***Row Num = 670
Min = -35.375000
Max = 38.813000
Mean = 0.176125
std = 15.820648
RMS = 15.640826

***Row Num = 671
Min = -35.375000
Max = 38.813000
Mean = 0.176125
std = 15.820648
RMS = 15.640826

```
***Row Num = 672
Min = -84.875000
Max = 150.130000
Mean = 1.997250
std = 39.554168
RMS = 39.153080
```

```
***Row Num = 673
Min = -84.875000
Max = 150.130000
Mean = 1.997250
std = 39.554168
RMS = 39.153080
```

```
***Row Num = 674
Min = -84.875000
Max = 150.130000
Mean = 1.997250
std = 39.554168
RMS = 39.153080
```

```
***Row Num = 675
Min = 2.524700
Max = 2.782300
Mean = 2.673984
std = 0.080771
RMS = 2.675176
```

```
***Row Num = 676
Min = 2.996600
Max = 3.118500
Mean = 3.058327
std = 0.042979
RMS = 3.058622
```

```
***Row Num = 677
Min = 0.266280
Max = 0.603090
Mean = 0.412882
std = 0.093360
RMS = 0.423071
```

```
***Row Num = 678
Min = 6.471300
Max = 7.672600
Mean = 7.022727
std = 0.344204
RMS = 7.030966
```

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

```
Min = 2.892800  
Max = 5.728300  
Mean = 4.359532  
std = 1.220734  
RMS = 4.523477
```

```
***Row Num = 680  
Min = 0.080943  
Max = 9.824600  
Mean = 4.294582  
std = 4.324322  
RMS = 6.059554  
>>
```