

```
In [ ]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import math
import seaborn as sns
```

```
In [ ]: # Set the header

row = ['CRIM', 'ZN', 'INDUS', 'CHAS', 'NOX', 'RM', 'AGE', 'DIS', 'RAD', 'TAX', 'PTRATIO']

# Load table
analysis = pd.read_table('boston.txt', names=row, delimiter=r'\s+', header=None, skiprows=1)
verifier = pd.read_table('boston.txt', names=row, delimiter=r'\s+', header=None, skiprows=1)
test = pd.read_table('boston.txt', names=row, delimiter=r'\s+', header=None, skiprows=1)

# Check the table size
print(analysis.shape, verifier.shape, test.shape)

(356, 14) (50, 14) (100, 14)
```

C:\Users\Sherry\AppData\Local\Programs\Python\Python39\lib\site-packages\pandas\util_decorators.py:311: ParserWarning: Falling back to the 'python' engine because the 'c' engine does not support skipfooter; you can avoid this warning by specifying engine='python'.

```
    return func(*args, **kwargs)
```

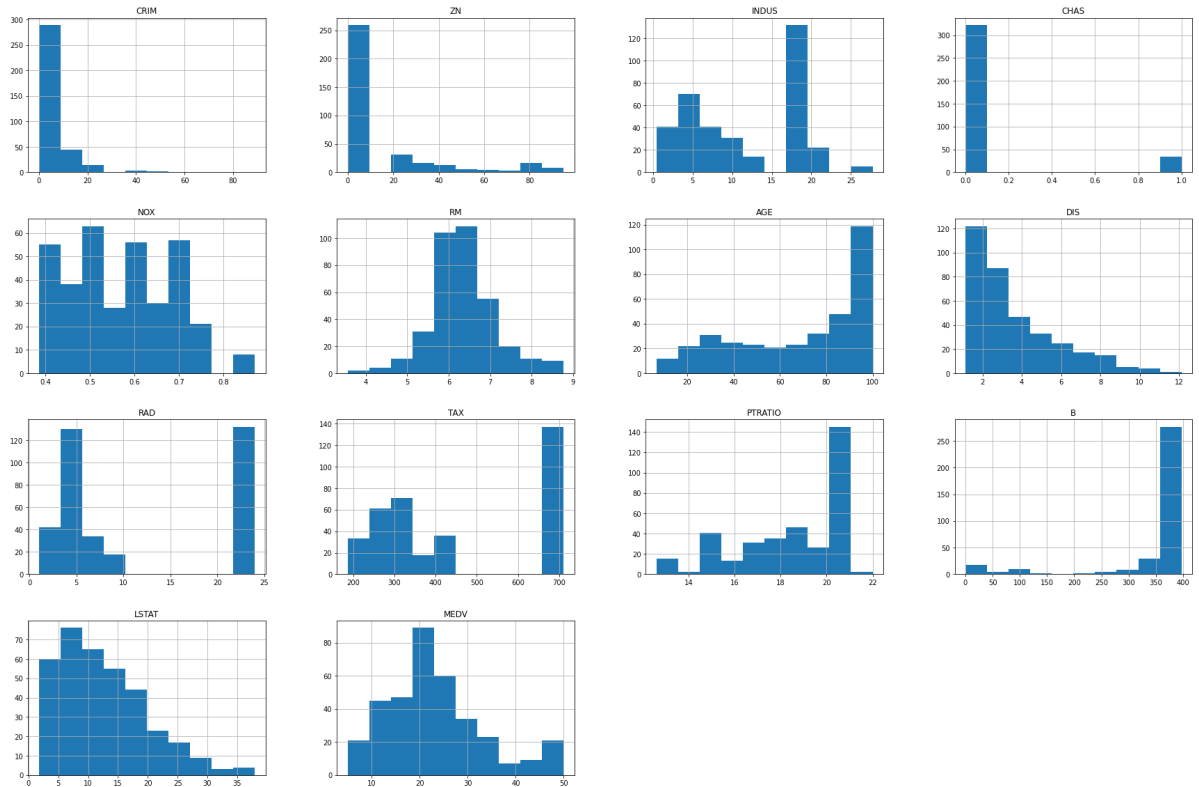
```
In [ ]: # Observe the data distribution
analysis.describe()
```

```
Out[ ]:
```

	CRIM	ZN	INDUS	CHAS	NOX	RM	AGE	
count	356.000000	356.000000	356.000000	356.000000	356.000000	356.000000	356.000000	356.000000
mean	4.957784	12.672753	11.571770	0.095506	0.568836	6.343020	68.944382	3.64
std	9.946949	24.626627	6.889486	0.294326	0.117562	0.769347	28.121430	2.18
min	0.009060	0.000000	0.460000	0.000000	0.385000	3.561000	6.800000	1.12
25%	0.083545	0.000000	4.950000	0.000000	0.470000	5.897500	43.475000	1.98
50%	0.455435	0.000000	10.590000	0.000000	0.573000	6.311000	78.200000	2.85
75%	6.567800	20.000000	18.100000	0.000000	0.671000	6.730750	94.025000	4.79
max	88.976200	95.000000	27.740000	1.000000	0.871000	8.780000	100.000000	12.12

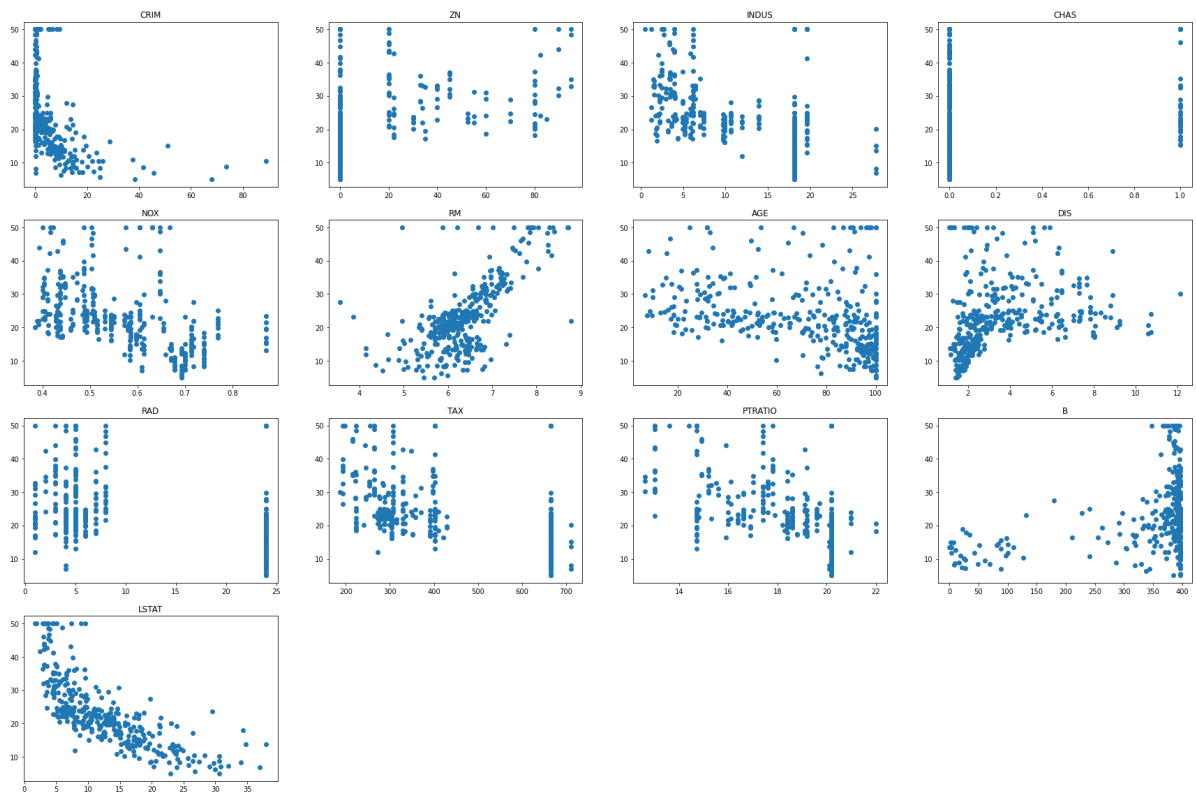
```
In [ ]: # Histogram of each feature
analysis.hist(figsize = (30,20))
```

```
Out[ ]: array([[<AxesSubplot:title={'center':'CRIM'}>,
      <AxesSubplot:title={'center':'ZN'}>,
      <AxesSubplot:title={'center':'INDUS'}>,
      <AxesSubplot:title={'center':'CHAS'}>],
      [<AxesSubplot:title={'center':'NOX'}>,
      <AxesSubplot:title={'center':'RM'}>,
      <AxesSubplot:title={'center':'AGE'}>,
      <AxesSubplot:title={'center':'DIS'}>],
      [<AxesSubplot:title={'center':'RAD'}>,
      <AxesSubplot:title={'center':'TAX'}>,
      <AxesSubplot:title={'center':'PTRATIO'}>,
      <AxesSubplot:title={'center':'B'}>],
      [<AxesSubplot:title={'center':'LSTAT'}>,
      <AxesSubplot:title={'center':'MEDV'}>], <AxesSubplot:>,
      <AxesSubplot:>]], dtype=object)
```



```
In [ ]: # Further analyze the correlation between characteristics and housing prices
```

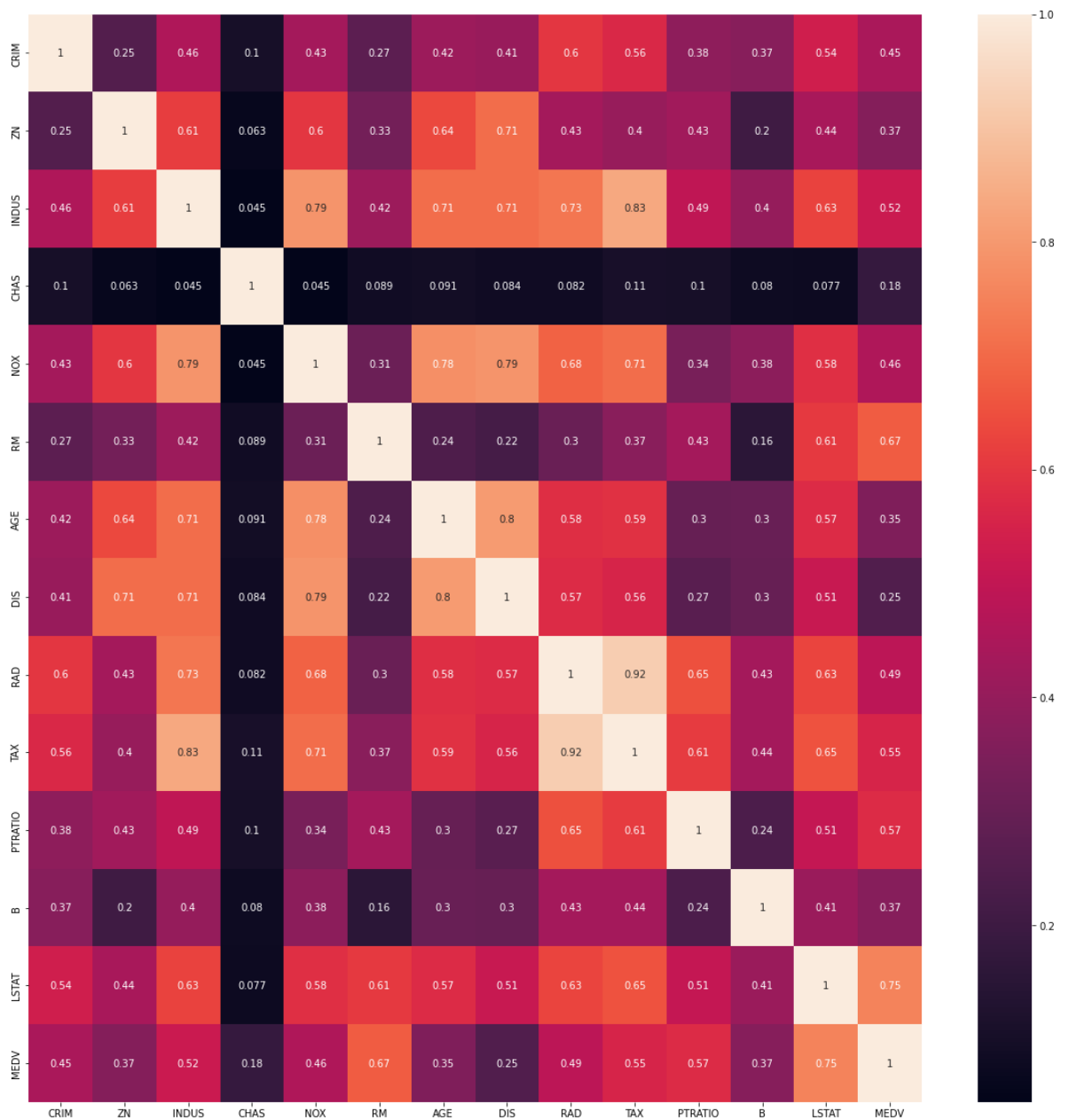
```
plt.figure(figsize=(30,20),)
for idx in range(13):
    plt.subplot(4,4,idx+1)
    plt.scatter(analysis[row[idx]], analysis['MEDV'])
    plt.title(row[idx])
```



```
In [ ]: # Quantify the correlation coefficient between features (between -1 and 1, 1 is a st
# The characteristics of RM, LSTAT, PTRATIO and MEDV are highly correlated
```

```
plt.figure(figsize=(20,20))
sns.heatmap(analysis.corr().abs(),annot=True)
```

```
Out[ ]: <AxesSubplot:>
```



```
In [ ]: # Train a linear regression model and use features with high correlation between RM,
parameter = np.random.rand(4,)
```

```
# y = parameter_0 + parameter_1*RM + parameter_1*LSTAT + parameter_2*PTRATIO
def function(x):
    return np.dot(parameter, x.T)

# Evaluation function
def mse(x,y):
    return np.sum ((function(x)-y)**2) / len(y)
```

```
In [ ]: # validation
```

```
train_x = verifier[['RM', 'LSTAT', 'PTRATIO']]

# standardization
train_x = (train_x-train_x.mean()) / train_x.std()

# For the constant item parameter 0 corresponds to input 1
train_x = np.insert(train_x.to_numpy(), 0, 1, axis=1)

# Set y
train_y = verifier['MEDV']
```

```
# Tested to be 0.0001 more appropriate
learning_rate = 0.0001

# Try to learn 10,000 times in a loop
for i in range(10000):
    parameter = parameter - learning_rate * np.dot(function(train_x)-train_y, train_y)
    metrics = mse(train_x, train_y)
    print('Round%d-----squared error: %.04f parameter: %s' % (i+1, metrics, str(parameter)))

print('\n\nFinal result')
parameter
```

Round1-----squared error: 322.4413 parameter: [0.75179088 0.27118425 0.62963231 0.39340306]
Round2-----squared error: 319.2160 parameter: [0.84002193 0.28181271 0.61661415 0.39752705]
Round3-----squared error: 316.0241 parameter: [0.92781182 0.29232743 0.60371051 0.40157382]
Round4-----squared error: 312.8652 parameter: [1.01516276 0.30272959 0.59092021 0.40554429]
Round5-----squared error: 309.7390 parameter: [1.10207695 0.31302041 0.5782421 0.4094394]
Round6-----squared error: 306.6451 parameter: [1.18855656 0.32320105 0.56567501 0.41326005]
Round7-----squared error: 303.5831 parameter: [1.27460378 0.33327269 0.5532178 0.41700714]
Round8-----squared error: 300.5528 parameter: [1.36022076 0.34323649 0.54086935 0.42068158]
Round9-----squared error: 297.5537 parameter: [1.44540966 0.35309359 0.52862855 0.42428424]
Round10-----squared error: 294.5855 parameter: [1.53017261 0.36284511 0.51649428 0.42781599]
Round11-----squared error: 291.6480 parameter: [1.61451174 0.37249219 0.50446545 0.4312777]
Round12-----squared error: 288.7408 parameter: [1.69842919 0.38203593 0.49254098 0.43467022]
Round13-----squared error: 285.8635 parameter: [1.78192704 0.39147742 0.4807198 0.43799439]
Round14-----squared error: 283.0159 parameter: [1.8650074 0.40081774 0.46900086 0.44125105]
Round15-----squared error: 280.1975 parameter: [1.94767237 0.41005798 0.4573831 0.44444102]
Round16-----squared error: 277.4082 parameter: [2.02992401 0.41919918 0.44586549 0.44756512]
Round17-----squared error: 274.6476 parameter: [2.11176439 0.42824241 0.43444701 0.45062416]
Round18-----squared error: 271.9154 parameter: [2.19319556 0.43718869 0.42312664 0.45361893]
Round19-----squared error: 269.2113 parameter: [2.27421959 0.44603906 0.41190338 0.45655023]
Round20-----squared error: 266.5350 parameter: [2.35483849 0.45479453 0.40077624 0.45941882]
Round21-----squared error: 263.8861 parameter: [2.4350543 0.4634561 0.38974423 0.46222549]
Round22-----squared error: 261.2645 parameter: [2.51486902 0.47202478 0.37880638 0.464971]
Round23-----squared error: 258.6698 parameter: [2.59428468 0.48050154 0.36796173 0.4676561]
Round24-----squared error: 256.1017 parameter: [2.67330326 0.48888735 0.35720934 0.47028153]
Round25-----squared error: 253.5600 parameter: [2.75192674 0.49718319 0.34654826 0.47284804]
Round26-----squared error: 251.0443 parameter: [2.83015711 0.50538999 0.33597755 0.47535635]
Round27-----squared error: 248.5544 parameter: [2.90799632 0.51350871 0.32549631 0.47780718]
Round28-----squared error: 246.0901 parameter: [2.98544634 0.52154028 0.31510361 0.48020125]
Round29-----squared error: 243.6510 parameter: [3.06250911 0.52948561 0.30479856 0.48253927]
Round30-----squared error: 241.2368 parameter: [3.13918656 0.53734562 0.29458027 0.48482192]
Round31-----squared error: 238.8474 parameter: [3.21548063 0.54512122 0.28444785 0.4870499]
Round32-----squared error: 236.4825 parameter: [3.29139323 0.55281329 0.27440043 0.48922389]

Round33-----squared error: 234.1417 parameter: [3.36692626 0.56042271 0.26443715
0.49134456]
Round34-----squared error: 231.8249 parameter: [3.44208163 0.56795037 0.25455715
0.49341259]
Round35-----squared error: 229.5318 parameter: [3.51686122 0.57539712 0.24475958
0.49542862]
Round36-----squared error: 227.2622 parameter: [3.59126691 0.58276383 0.23504362
0.49739331]
Round37-----squared error: 225.0157 parameter: [3.66530058 0.59005132 0.22540844
0.49930731]
Round38-----squared error: 222.7922 parameter: [3.73896408 0.59726046 0.2158532
0.50117125]
Round39-----squared error: 220.5914 parameter: [3.81225926 0.60439205 0.20637712
0.50298576]
Round40-----squared error: 218.4130 parameter: [3.88518796 0.61144692 0.19697938
0.50475147]
Round41-----squared error: 216.2570 parameter: [3.95775202 0.61842588 0.18765919
0.50646898]
Round42-----squared error: 214.1229 parameter: [4.02995326 0.62532973 0.17841577
0.50813892]
Round43-----squared error: 212.0105 parameter: [4.10179349 0.63215926 0.16924834
0.50976187]
Round44-----squared error: 209.9198 parameter: [4.17327453 0.63891527 0.16015614
0.51133845]
Round45-----squared error: 207.8503 parameter: [4.24439815 0.64559851 0.1511384
0.51286922]
Round46-----squared error: 205.8019 parameter: [4.31516616 0.65220977 0.14219437
0.51435479]
Round47-----squared error: 203.7745 parameter: [4.38558033 0.6587498 0.13332331
0.51579571]
Round48-----squared error: 201.7676 parameter: [4.45564243 0.66521935 0.12452449
0.51719257]
Round49-----squared error: 199.7812 parameter: [4.52535422 0.67161916 0.11579717
0.51854592]
Round50-----squared error: 197.8151 parameter: [4.59471745 0.67794998 0.10714064
0.51985632]
Round51-----squared error: 195.8689 parameter: [4.66373386 0.68421252 0.09855418
0.52112432]
Round52-----squared error: 193.9426 parameter: [4.73240519 0.69040751 0.0900371
0.52235047]
Round53-----squared error: 192.0358 parameter: [4.80073316 0.69653566 0.08158868
0.52353529]
Round54-----squared error: 190.1485 parameter: [4.8687195 0.70259767 0.07320825
0.52467933]
Round55-----squared error: 188.2803 parameter: [4.9363659 0.70859424 0.06489511
0.52578311]
Round56-----squared error: 186.4312 parameter: [5.00367407 0.71452607 0.0566486
0.52684714]
Round57-----squared error: 184.6008 parameter: [5.0706457 0.72039382 0.04846805
0.52787194]
Round58-----squared error: 182.7890 parameter: [5.13728247 0.72619818 0.04035278
0.52885803]
Round59-----squared error: 180.9957 parameter: [5.20358606 0.73193981 0.03230216
0.52980589]
Round60-----squared error: 179.2205 parameter: [5.26955813 0.73761937 0.02431554
0.53071603]
Round61-----squared error: 177.4634 parameter: [5.33520034 0.74323752 0.01639226
0.53158895]
Round62-----squared error: 175.7241 parameter: [5.40051434 0.74879491 0.00853171
0.53242511]
Round63-----squared error: 174.0025 parameter: [5.46550177e+00 7.54292162e-01 7.33
243602e-04 5.33225013e-01]
Round64-----squared error: 172.2983 parameter: [5.53016426 0.75972992 -0.0070037
5 0.53398912]

Round65-----squared error: 170.6115 parameter: [5.59450344 0.76510881 -0.0146798
8 0.53471791]
Round66-----squared error: 168.9417 parameter: [5.65852092 0.77042945 -0.0222957
6 0.53541184]
Round67-----squared error: 167.2889 parameter: [5.72221831 0.77569244 -0.0298519
9 0.53607136]
Round68-----squared error: 165.6528 parameter: [5.78559722 0.78089841 -0.0373491
6 0.53669694]
Round69-----squared error: 164.0333 parameter: [5.84865924 0.78604794 -0.0447878
7 0.53728903]
Round70-----squared error: 162.4303 parameter: [5.91140594 0.79114163 -0.0521686
9 0.53784805]
Round71-----squared error: 160.8434 parameter: [5.97383891 0.79618006 -0.0594922
0.53837446]
Round72-----squared error: 159.2727 parameter: [6.03595972 0.80116382 -0.0667589
6 0.53886869]
Round73-----squared error: 157.7178 parameter: [6.09776992 0.80609348 -0.0739695
5 0.53933115]
Round74-----squared error: 156.1787 parameter: [6.15927107 0.81096961 -0.0811245
2 0.53976229]
Round75-----squared error: 154.6552 parameter: [6.22046471 0.81579276 -0.0882244
2 0.54016251]
Round76-----squared error: 153.1471 parameter: [6.28135239 0.8205635 -0.0952698
0.54053223]
Round77-----squared error: 151.6543 parameter: [6.34193563 0.82528238 -0.1022611
9 0.54087185]
Round78-----squared error: 150.1765 parameter: [6.40221595 0.82994993 -0.1091991
4 0.54118179]
Round79-----squared error: 148.7137 parameter: [6.46219487 0.8345667 -0.1160841
6 0.54146244]
Round80-----squared error: 147.2657 parameter: [6.52187389 0.83913322 -0.1229167
9 0.5417142]
Round81-----squared error: 145.8324 parameter: [6.58125453 0.84365002 -0.1296975
5 0.54193746]
Round82-----squared error: 144.4135 parameter: [6.64033825 0.84811761 -0.1364269
3 0.5421326]
Round83-----squared error: 143.0090 parameter: [6.69912656 0.85253652 -0.1431054
6 0.5423]
Round84-----squared error: 141.6187 parameter: [6.75762093 0.85690725 -0.1497336
3 0.54244005]
Round85-----squared error: 140.2424 parameter: [6.81582282 0.86123031 -0.1563119
3 0.54255312]
Round86-----squared error: 138.8800 parameter: [6.87373371 0.86550619 -0.1628408
6 0.54263957]
Round87-----squared error: 137.5314 parameter: [6.93135504 0.86973539 -0.1693209
1 0.54269977]
Round88-----squared error: 136.1964 parameter: [6.98868827 0.87391841 -0.1757525
5 0.54273408]
Round89-----squared error: 134.8749 parameter: [7.04573482 0.87805571 -0.1821362
7 0.54274286]
Round90-----squared error: 133.5667 parameter: [7.10249615 0.88214779 -0.1884725
2 0.54272646]
Round91-----squared error: 132.2717 parameter: [7.15897367 0.88619511 -0.1947617
8 0.54268523]
Round92-----squared error: 130.9898 parameter: [7.2151688 0.89019814 -0.2010045
1 0.5426195]
Round93-----squared error: 129.7209 parameter: [7.27108296 0.89415735 -0.2072011
6 0.54252963]
Round94-----squared error: 128.4647 parameter: [7.32671754 0.89807319 -0.2133521
8 0.54241595]
Round95-----squared error: 127.2212 parameter: [7.38207395 0.90194612 -0.2194580
2 0.54227879]
Round96-----squared error: 125.9902 parameter: [7.43715359 0.90577658 -0.2255191
2 0.54211848]

Round97-----squared error: 124.7717 parameter: [7.49195782 0.90956502 -0.2315359
3 0.54193535]
Round98-----squared error: 123.5654 parameter: [7.54648803 0.91331187 -0.2375088
6 0.54172971]
Round99-----squared error: 122.3713 parameter: [7.60074559 0.91701758 -0.2434383
5 0.54150188]
Round100-----squared error: 121.1892 parameter: [7.65473186 0.92068257 -0.249324
82 0.54125218]
Round101-----squared error: 120.0191 parameter: [7.7084482 0.92430727 -0.255168
69 0.54098092]
Round102-----squared error: 118.8607 parameter: [7.76189596 0.92789209 -0.260970
38 0.54068841]
Round103-----squared error: 117.7140 parameter: [7.81507648 0.93143745 -0.266730
29 0.54037494]
Round104-----squared error: 116.5788 parameter: [7.8679911 0.93494377 -0.272448
83 0.54004082]
Round105-----squared error: 115.4551 parameter: [7.92064114 0.93841145 -0.278126
4 0.53968634]
Round106-----squared error: 114.3427 parameter: [7.97302794 0.94184089 -0.283763
4 0.5393118]
Round107-----squared error: 113.2415 parameter: [8.0251528 0.94523249 -0.289360
22 0.53891749]
Round108-----squared error: 112.1514 parameter: [8.07701703 0.94858665 -0.294917
25 0.53850369]
Round109-----squared error: 111.0722 parameter: [8.12862195 0.95190376 -0.300434
88 0.53807068]
Round110-----squared error: 110.0039 parameter: [8.17996884 0.9551842 -0.305913
48 0.53761875]
Round111-----squared error: 108.9464 parameter: [8.23105899 0.95842835 -0.311353
43 0.53714817]
Round112-----squared error: 107.8995 parameter: [8.2818937 0.9616366 -0.316755
11 0.53665921]
Round113-----squared error: 106.8631 parameter: [8.33247423 0.96480931 -0.322118
89 0.53615214]
Round114-----squared error: 105.8372 parameter: [8.38280186 0.96794686 -0.327445
12 0.53562724]
Round115-----squared error: 104.8215 parameter: [8.43287785 0.9710496 -0.332734
18 0.53508475]
Round116-----squared error: 103.8161 parameter: [8.48270346 0.97411792 -0.337986
41 0.53452496]
Round117-----squared error: 102.8208 parameter: [8.53227994 0.97715215 -0.343202
18 0.5339481]
Round118-----squared error: 101.8355 parameter: [8.58160854 0.98015265 -0.348381
82 0.53335445]
Round119-----squared error: 100.8601 parameter: [8.6306905 0.98311979 -0.353525
7 0.53274424]
Round120-----squared error: 99.8945 parameter: [8.67952705 0.98605389 -0.3586341
4 0.53211773]
Round121-----squared error: 98.9386 parameter: [8.72811941 0.98895531 -0.3637074
9 0.53147516]
Round122-----squared error: 97.9923 parameter: [8.77646882 0.99182439 -0.3687460
9 0.53081678]
Round123-----squared error: 97.0555 parameter: [8.82457647 0.99466145 -0.3737502
7 0.53014282]
Round124-----squared error: 96.1281 parameter: [8.87244359 0.99746684 -0.3787203
5 0.52945353]
Round125-----squared error: 95.2100 parameter: [8.92007137 1.00024088 -0.3836566
6 0.52874913]
Round126-----squared error: 94.3012 parameter: [8.96746101 1.0029839 -0.3885595
3 0.52802987]
Round127-----squared error: 93.4014 parameter: [9.01461371 1.00569621 -0.3934292
6 0.52729596]
Round128-----squared error: 92.5108 parameter: [9.06153064 1.00837815 -0.3982661
8 0.52654764]

Round129-----squared error: 91.6290 parameter: [9.10821299 1.01103001 -0.4030706
0.52578513]

Round130-----squared error: 90.7561 parameter: [9.15466192 1.01365211 -0.4078428
3 0.52500865]

Round131-----squared error: 89.8920 parameter: [9.20087861 1.01624477 -0.4125831
6 0.52421841]

Round132-----squared error: 89.0365 parameter: [9.24686422 1.01880828 -0.4172919
1 0.52341465]

Round133-----squared error: 88.1896 parameter: [9.2926199 1.02134296 -0.4219693
7 0.52259756]

Round134-----squared error: 87.3512 parameter: [9.3381468 1.02384908 -0.4266158
4 0.52176736]

Round135-----squared error: 86.5212 parameter: [9.38344607 1.02632696 -0.4312316
0.52092426]

Round136-----squared error: 85.6996 parameter: [9.42851884 1.02877688 -0.4358169
6 0.52006846]

Round137-----squared error: 84.8862 parameter: [9.47336624 1.03119914 -0.4403722
0.51920017]

Round138-----squared error: 84.0809 parameter: [9.51798941 1.03359402 -0.4448975
9 0.51831959]

Round139-----squared error: 83.2837 parameter: [9.56238946 1.03596179 -0.4493934
2 0.51742691]

Round140-----squared error: 82.4945 parameter: [9.60656752 1.03830275 -0.4538599
8 0.51652234]

Round141-----squared error: 81.7132 parameter: [9.65052468 1.04061717 -0.4582975
2 0.51560607]

Round142-----squared error: 80.9398 parameter: [9.69426205 1.04290532 -0.4627063
4 0.51467829]

Round143-----squared error: 80.1741 parameter: [9.73778074 1.04516748 -0.4670866
8 0.51373919]

Round144-----squared error: 79.4161 parameter: [9.78108184 1.0474039 -0.4714388
3 0.51278896]

Round145-----squared error: 78.6657 parameter: [9.82416643 1.04961487 -0.4757630
4 0.51182777]

Round146-----squared error: 77.9227 parameter: [9.8670356 1.05180064 -0.4800595
8 0.51085583]

Round147-----squared error: 77.1873 parameter: [9.90969042 1.05396146 -0.4843286
9 0.5098733]

Round148-----squared error: 76.4592 parameter: [9.95213197 1.05609761 -0.4885706
5 0.50888036]

Round149-----squared error: 75.7384 parameter: [9.99436131 1.05820933 -0.4927857
0.5078772]

Round150-----squared error: 75.0248 parameter: [10.0363795 1.06029687 -0.4969740
9 0.50686398]

Round151-----squared error: 74.3183 parameter: [10.07818761 1.06236048 -0.5011360
7 0.50584088]

Round152-----squared error: 73.6190 parameter: [10.11978667 1.06440041 -0.5052718
9 0.50480806]

Round153-----squared error: 72.9266 parameter: [10.16117773 1.0664169 -0.5093817
8 0.50376571]

Round154-----squared error: 72.2412 parameter: [10.20236185 1.0684102 -0.5134659
8 0.50271397]

Round155-----squared error: 71.5626 parameter: [10.24334004 1.07038054 -0.5175247
4 0.50165303]

Round156-----squared error: 70.8908 parameter: [10.28411334 1.07232816 -0.5215582
9 0.50058303]

Round157-----squared error: 70.2258 parameter: [10.32468277 1.07425329 -0.5255668
6 0.49950415]

Round158-----squared error: 69.5674 parameter: [10.36504936 1.07615616 -0.5295506
8 0.49841653]

Round159-----squared error: 68.9156 parameter: [10.40521411 1.07803701 -0.5335099
8 0.49732033]

Round160-----squared error: 68.2703 parameter: [10.44517804 1.07989605 -0.5374449
9 0.49621572]

Round161-----squared error: 67.6314 parameter: [10.48494215 1.08173352 -0.5413559
2 0.49510284]
Round162-----squared error: 66.9990 parameter: [10.52450744 1.08354962 -0.545243
0.49398184]
Round163-----squared error: 66.3729 parameter: [10.5638749 1.08534459 -0.5491064
4 0.49285288]
Round164-----squared error: 65.7530 parameter: [10.60304553 1.08711864 -0.5529464
7 0.49171609]
Round165-----squared error: 65.1394 parameter: [10.6420203 1.08887199 -0.5567633
0.49057163]
Round166-----squared error: 64.5319 parameter: [10.6808002 1.09060484 -0.5605571
3 0.48941964]
Round167-----squared error: 63.9304 parameter: [10.7193862 1.0923174 -0.5643281
9 0.48826026]
Round168-----squared error: 63.3350 parameter: [10.75777926 1.09400989 -0.5680766
6 0.48709363]
Round169-----squared error: 62.7455 parameter: [10.79598037 1.09568251 -0.5718027
7 0.4859199]
Round170-----squared error: 62.1620 parameter: [10.83399047 1.09733546 -0.5755067
1 0.48473919]
Round171-----squared error: 61.5842 parameter: [10.87181051 1.09896894 -0.5791886
9 0.48355165]
Round172-----squared error: 61.0122 parameter: [10.90944146 1.10058316 -0.5828489
0.4823574]
Round173-----squared error: 60.4460 parameter: [10.94688425 1.10217831 -0.5864875
4 0.48115658]
Round174-----squared error: 59.8854 parameter: [10.98413983 1.10375458 -0.5901048
1 0.47994932]
Round175-----squared error: 59.3304 parameter: [11.02120913 1.10531217 -0.5937008
9 0.47873575]
Round176-----squared error: 58.7810 parameter: [11.05809309 1.10685127 -0.5972759
9 0.47751599]
Round177-----squared error: 58.2370 parameter: [11.09479262 1.10837207 -0.6008302
8 0.47629018]
Round178-----squared error: 57.6985 parameter: [11.13130866 1.10987475 -0.6043639
6 0.47505843]
Round179-----squared error: 57.1653 parameter: [11.16764212 1.1113595 -0.6078772
0.47382087]
Round180-----squared error: 56.6375 parameter: [11.20379391 1.11282651 -0.6113702
1 0.47257762]
Round181-----squared error: 56.1150 parameter: [11.23976494 1.11427594 -0.6148431
4 0.4713288]
Round182-----squared error: 55.5977 parameter: [11.27555611 1.11570799 -0.6182961
9 0.47007452]
Round183-----squared error: 55.0855 parameter: [11.31116833 1.11712283 -0.6217295
3 0.46881491]
Round184-----squared error: 54.5785 parameter: [11.34660249 1.11852063 -0.6251433
4 0.46755009]
Round185-----squared error: 54.0765 parameter: [11.38185948 1.11990157 -0.6285377
8 0.46628015]
Round186-----squared error: 53.5795 parameter: [11.41694018 1.12126582 -0.6319130
5 0.46500522]
Round187-----squared error: 53.0875 parameter: [11.45184548 1.12261355 -0.6352692
9 0.46372541]
Round188-----squared error: 52.6004 parameter: [11.48657625 1.12394493 -0.6386066
9 0.46244083]
Round189-----squared error: 52.1182 parameter: [11.52113337 1.12526012 -0.6419254
0.46115158]
Round190-----squared error: 51.6408 parameter: [11.5555177 1.12655929 -0.6452256
0.45985778]
Round191-----squared error: 51.1681 parameter: [11.58973011 1.12784261 -0.6485074
5 0.45855952]
Round192-----squared error: 50.7002 parameter: [11.62377146 1.12911022 -0.6517711
1 0.45725692]

Round193-----squared error: 50.2369 parameter: [11.65764261 1.1303623 -0.6550167
4 0.45595008]
Round194-----squared error: 49.7783 parameter: [11.69134439 1.13159899 -0.6582444
9 0.45463909]
Round195-----squared error: 49.3242 parameter: [11.72487767 1.13282046 -0.6614545
3 0.45332407]
Round196-----squared error: 48.8747 parameter: [11.75824328 1.13402686 -0.6646470
2 0.4520051]
Round197-----squared error: 48.4296 parameter: [11.79144207 1.13521835 -0.6678220
9 0.45068229]
Round198-----squared error: 47.9890 parameter: [11.82447486 1.13639507 -0.6709799
1 0.44935573]
Round199-----squared error: 47.5528 parameter: [11.85734248 1.13755717 -0.6741206
3 0.44802552]
Round200-----squared error: 47.1209 parameter: [11.89004577 1.1387048 -0.6772444
0.44669176]
Round201-----squared error: 46.6934 parameter: [11.92258554 1.13983811 -0.6803513
6 0.44535453]
Round202-----squared error: 46.2701 parameter: [11.95496261 1.14095724 -0.6834416
5 0.44401393]
Round203-----squared error: 45.8510 parameter: [11.9871778 1.14206234 -0.6865154
3 0.44267005]
Round204-----squared error: 45.4361 parameter: [12.01923191 1.14315355 -0.6895728
4 0.44132299]
Round205-----squared error: 45.0254 parameter: [12.05112575 1.14423101 -0.6926140
2 0.43997282]
Round206-----squared error: 44.6187 parameter: [12.08286012 1.14529485 -0.6956391
1 0.43861964]
Round207-----squared error: 44.2161 parameter: [12.11443582 1.14634522 -0.6986482
4 0.43726353]
Round208-----squared error: 43.8176 parameter: [12.14585364 1.14738225 -0.7016415
6 0.43590458]
Round209-----squared error: 43.4229 parameter: [12.17711437 1.14840607 -0.7046192
0.43454287]
Round210-----squared error: 43.0323 parameter: [12.2082188 1.14941683 -0.7075813
0.43317849]
Round211-----squared error: 42.6455 parameter: [12.23916771 1.15041464 -0.7105279
8 0.43181151]
Round212-----squared error: 42.2626 parameter: [12.26996187 1.15139965 -0.7134593
9 0.43044203]
Round213-----squared error: 41.8834 parameter: [12.30060206 1.15237197 -0.7163756
5 0.42907011]
Round214-----squared error: 41.5081 parameter: [12.33108905 1.15333174 -0.7192768
8 0.42769585]
Round215-----squared error: 41.1365 parameter: [12.36142361 1.15427909 -0.7221632
3 0.42631931]
Round216-----squared error: 40.7686 parameter: [12.39160649 1.15521414 -0.7250348
1 0.42494057]
Round217-----squared error: 40.4044 parameter: [12.42163845 1.156137 -0.7278917
5 0.42355971]
Round218-----squared error: 40.0438 parameter: [12.45152026 1.15704782 -0.7307341
7 0.42217681]
Round219-----squared error: 39.6868 parameter: [12.48125266 1.1579467 -0.7335622
0.42079194]
Round220-----squared error: 39.3334 parameter: [12.5108364 1.15883376 -0.7363759
6 0.41940517]
Round221-----squared error: 38.9834 parameter: [12.54027222 1.15970913 -0.7391755
7 0.41801657]
Round222-----squared error: 38.6370 parameter: [12.56956085 1.16057292 -0.7419611
5 0.41662622]
Round223-----squared error: 38.2940 parameter: [12.59870305 1.16142525 -0.7447328
1 0.41523418]
Round224-----squared error: 37.9544 parameter: [12.62769954 1.16226624 -0.7474906
7 0.41384053]

Round225-----squared error: 37.6182 parameter: [12.65655104 1.16309599 -0.7502348
6 0.41244534]
Round226-----squared error: 37.2854 parameter: [12.68525828 1.16391462 -0.7529654
7 0.41104866]
Round227-----squared error: 36.9559 parameter: [12.71382199 1.16472224 -0.7556826
3 0.40965058]
Round228-----squared error: 36.6296 parameter: [12.74224288 1.16551896 -0.7583864
5 0.40825115]
Round229-----squared error: 36.3066 parameter: [12.77052167 1.16630489 -0.7610770
4 0.40685043]
Round230-----squared error: 35.9869 parameter: [12.79865906 1.16708014 -0.7637545
0.4054485]
Round231-----squared error: 35.6703 parameter: [12.82665576 1.16784482 -0.7664189
5 0.40404542]
Round232-----squared error: 35.3568 parameter: [12.85451248 1.16859902 -0.7690705
0.40264125]
Round233-----squared error: 35.0465 parameter: [12.88222992 1.16934286 -0.7717092
5 0.40123605]
Round234-----squared error: 34.7393 parameter: [12.90980877 1.17007644 -0.7743353
1 0.39982988]
Round235-----squared error: 34.4351 parameter: [12.93724973 1.17079986 -0.7769487
7 0.3984228]
Round236-----squared error: 34.1339 parameter: [12.96455348 1.17151322 -0.7795497
6 0.39701488]
Round237-----squared error: 33.8358 parameter: [12.99172071 1.17221662 -0.7821383
5 0.39560616]
Round238-----squared error: 33.5406 parameter: [13.01875211 1.17291017 -0.7847146
7 0.39419671]
Round239-----squared error: 33.2484 parameter: [13.04564835 1.17359395 -0.7872788
1 0.39278659]
Round240-----squared error: 32.9590 parameter: [13.07241011 1.17426807 -0.7898308
6 0.39137585]
Round241-----squared error: 32.6726 parameter: [13.09903806 1.17493263 -0.7923709
3 0.38996454]
Round242-----squared error: 32.3890 parameter: [13.12553287 1.17558771 -0.7948991
2 0.38855272]
Round243-----squared error: 32.1082 parameter: [13.1518952 1.17623342 -0.7974155
1 0.38714045]
Round244-----squared error: 31.8302 parameter: [13.17812573 1.17686984 -0.7999202
1 0.38572778]
Round245-----squared error: 31.5550 parameter: [13.2042251 1.17749707 -0.8024133
2 0.38431475]
Round246-----squared error: 31.2825 parameter: [13.23019397 1.1781152 -0.8048949
1 0.38290143]
Round247-----squared error: 31.0127 parameter: [13.256033 1.17872432 -0.8073650
9 0.38148786]
Round248-----squared error: 30.7456 parameter: [13.28174284 1.17932452 -0.8098239
5 0.3800741]
Round249-----squared error: 30.4812 parameter: [13.30732412 1.17991588 -0.8122715
8 0.37866019]
Round250-----squared error: 30.2194 parameter: [13.3327775 1.1804985 -0.8147080
6 0.37724618]
Round251-----squared error: 29.9602 parameter: [13.35810361 1.18107246 -0.8171334
9 0.37583212]
Round252-----squared error: 29.7035 parameter: [13.3833031 1.18163785 -0.8195479
6 0.37441806]
Round253-----squared error: 29.4495 parameter: [13.40837658 1.18219475 -0.8219515
5 0.37300405]
Round254-----squared error: 29.1979 parameter: [13.4333247 1.18274325 -0.8243443
5 0.37159013]
Round255-----squared error: 28.9489 parameter: [13.45814807 1.18328342 -0.8267264
5 0.37017634]
Round256-----squared error: 28.7023 parameter: [13.48284733 1.18381536 -0.8290979
2 0.36876274]

Round257-----squared error: 28.4582 parameter: [13.5074231 1.18433914 -0.8314588
6 0.36734937]
Round258-----squared error: 28.2165 parameter: [13.53187598 1.18485485 -0.8338093
4 0.36593626]
Round259-----squared error: 27.9772 parameter: [13.5562066 1.18536255 -0.8361494
5 0.36452347]
Round260-----squared error: 27.7403 parameter: [13.58041557 1.18586234 -0.8384792
7 0.36311104]
Round261-----squared error: 27.5058 parameter: [13.60450349 1.18635429 -0.8407988
8 0.36169901]
Round262-----squared error: 27.2735 parameter: [13.62847097 1.18683847 -0.8431083
6 0.36028742]
Round263-----squared error: 27.0436 parameter: [13.65231862 1.18731497 -0.8454077
9 0.3588763]
Round264-----squared error: 26.8160 parameter: [13.67604703 1.18778386 -0.8476972
5 0.35746571]
Round265-----squared error: 26.5906 parameter: [13.69965679 1.18824521 -0.8499768
1 0.35605569]
Round266-----squared error: 26.3675 parameter: [13.72314851 1.1886991 -0.8522465
5 0.35464626]
Round267-----squared error: 26.1466 parameter: [13.74652276 1.18914561 -0.8545065
5 0.35323747]
Round268-----squared error: 25.9279 parameter: [13.76978015 1.18958479 -0.8567568
8 0.35182936]
Round269-----squared error: 25.7114 parameter: [13.79292125 1.19001673 -0.8589976
2 0.35042196]
Round270-----squared error: 25.4970 parameter: [13.81594664 1.1904415 -0.8612288
4 0.34901532]
Round271-----squared error: 25.2847 parameter: [13.83885691 1.19085917 -0.8634506
1 0.34760946]
Round272-----squared error: 25.0746 parameter: [13.86165263 1.1912698 -0.865663
0.34620443]
Round273-----squared error: 24.8665 parameter: [13.88433436 1.19167347 -0.8678661
0.34480025]
Round274-----squared error: 24.6605 parameter: [13.90690269 1.19207025 -0.8700599
6 0.34339698]
Round275-----squared error: 24.4566 parameter: [13.92935818 1.19246019 -0.8722446
6 0.34199462]
Round276-----squared error: 24.2546 parameter: [13.95170139 1.19284338 -0.8744202
7 0.34059324]
Round277-----squared error: 24.0547 parameter: [13.97393288 1.19321986 -0.8765868
5 0.33919284]
Round278-----squared error: 23.8568 parameter: [13.99605321 1.19358972 -0.8787444
8 0.33779348]
Round279-----squared error: 23.6608 parameter: [14.01806295 1.19395302 -0.8808932
2 0.33639518]
Round280-----squared error: 23.4668 parameter: [14.03996263 1.19430981 -0.8830331
4 0.33499797]
Round281-----squared error: 23.2747 parameter: [14.06175282 1.19466016 -0.8851643
1 0.33360189]
Round282-----squared error: 23.0845 parameter: [14.08343406 1.19500414 -0.8872867
8 0.33220696]
Round283-----squared error: 22.8962 parameter: [14.10500689 1.19534181 -0.8894006
3 0.33081321]
Round284-----squared error: 22.7098 parameter: [14.12647185 1.19567322 -0.8915059
2 0.32942069]
Round285-----squared error: 22.5252 parameter: [14.14782949 1.19599845 -0.8936027
2 0.32802941]
Round286-----squared error: 22.3425 parameter: [14.16908035 1.19631754 -0.8956910
8 0.3266394]
Round287-----squared error: 22.1616 parameter: [14.19022494 1.19663057 -0.8977710
7 0.3252507]
Round288-----squared error: 21.9824 parameter: [14.21126382 1.19693758 -0.8998427
5 0.32386333]

Round289-----squared error: 21.8051 parameter: [14.2321975 1.19723864 -0.9019061
8 0.32247731]
Round290-----squared error: 21.6295 parameter: [14.25302651 1.19753381 -0.9039614
2 0.32109269]
Round291-----squared error: 21.4557 parameter: [14.27375138 1.19782313 -0.9060085
4 0.31970948]
Round292-----squared error: 21.2835 parameter: [14.29437262 1.19810668 -0.9080475
9 0.31832771]
Round293-----squared error: 21.1131 parameter: [14.31489076 1.1983845 -0.9100786
3 0.31694741]
Round294-----squared error: 20.9444 parameter: [14.33530631 1.19865665 -0.9121017
2 0.3155686]
Round295-----squared error: 20.7773 parameter: [14.35561977 1.19892318 -0.9141169
1 0.3141913]
Round296-----squared error: 20.6119 parameter: [14.37583168 1.19918416 -0.9161242
7 0.31281555]
Round297-----squared error: 20.4482 parameter: [14.39594252 1.19943963 -0.9181238
5 0.31144137]
Round298-----squared error: 20.2861 parameter: [14.4159528 1.19968964 -0.9201157
1 0.31006878]
Round299-----squared error: 20.1256 parameter: [14.43586304 1.19993425 -0.9220999
0.3086978]
Round300-----squared error: 19.9666 parameter: [14.45567373 1.20017352 -0.9240764
8 0.30732847]
Round301-----squared error: 19.8093 parameter: [14.47538536 1.20040749 -0.9260455
0.30596079]
Round302-----squared error: 19.6535 parameter: [14.49499843 1.20063621 -0.9280070
2 0.3045948]
Round303-----squared error: 19.4993 parameter: [14.51451344 1.20085973 -0.9299610
9 0.30323052]
Round304-----squared error: 19.3465 parameter: [14.53393087 1.20107812 -0.9319077
5 0.30186796]
Round305-----squared error: 19.1953 parameter: [14.55325122 1.2012914 -0.9338470
8 0.30050716]
Round306-----squared error: 19.0456 parameter: [14.57247496 1.20149964 -0.9357791
1 0.29914812]
Round307-----squared error: 18.8974 parameter: [14.59160259 1.20170288 -0.9377039
0.29779088]
Round308-----squared error: 18.7507 parameter: [14.61063457 1.20190117 -0.9396215
0.29643545]
Round309-----squared error: 18.6054 parameter: [14.6295714 1.20209456 -0.9415319
6 0.29508186]
Round310-----squared error: 18.4616 parameter: [14.64841354 1.20228309 -0.9434353
3 0.29373012]
Round311-----squared error: 18.3191 parameter: [14.66716147 1.20246682 -0.9453316
6 0.29238025]
Round312-----squared error: 18.1781 parameter: [14.68581567 1.20264578 -0.9472209
9 0.29103227]
Round313-----squared error: 18.0385 parameter: [14.70437659 1.20282003 -0.9491033
9 0.2896862]
Round314-----squared error: 17.9003 parameter: [14.72284471 1.2029896 -0.9509788
9 0.28834206]
Round315-----squared error: 17.7634 parameter: [14.74122048 1.20315455 -0.9528475
4 0.28699987]
Round316-----squared error: 17.6279 parameter: [14.75950438 1.20331491 -0.9547094
0.28565964]
Round317-----squared error: 17.4938 parameter: [14.77769686 1.20347074 -0.9565645
0.2843214]
Round318-----squared error: 17.3610 parameter: [14.79579837 1.20362207 -0.9584129
0.28298516]
Round319-----squared error: 17.2295 parameter: [14.81380938 1.20376894 -0.9602546
3 0.28165093]
Round320-----squared error: 17.0992 parameter: [14.83173034 1.20391141 -0.9620897
5 0.28031874]

Round321-----squared error: 16.9703 parameter: [14.84956168 1.20404951 -0.9639183
0.2789886]
Round322-----squared error: 16.8427 parameter: [14.86730387 1.20418329 -0.9657403
3 0.27766052]
Round323-----squared error: 16.7163 parameter: [14.88495736 1.20431277 -0.9675558
8 0.27633453]
Round324-----squared error: 16.5912 parameter: [14.90252257 1.20443802 -0.9693649
8 0.27501063]
Round325-----squared error: 16.4673 parameter: [14.91999996 1.20455906 -0.9711677
0.27368885]
Round326-----squared error: 16.3447 parameter: [14.93738996 1.20467594 -0.9729640
6 0.2723692]
Round327-----squared error: 16.2232 parameter: [14.95469301 1.20478869 -0.9747541
2 0.27105169]
Round328-----squared error: 16.1030 parameter: [14.97190954 1.20489736 -0.9765379
1 0.26973633]
Round329-----squared error: 15.9840 parameter: [14.98903999 1.20500199 -0.9783154
8 0.26842315]
Round330-----squared error: 15.8661 parameter: [15.00608479 1.2051026 -0.9800868
6 0.26711215]
Round331-----squared error: 15.7494 parameter: [15.02304437 1.20519925 -0.9818521
1 0.26580335]
Round332-----squared error: 15.6339 parameter: [15.03991915 1.20529197 -0.9836112
5 0.26449676]
Round333-----squared error: 15.5195 parameter: [15.05670955 1.20538079 -0.9853643
3 0.2631924]
Round334-----squared error: 15.4062 parameter: [15.073416 1.20546575 -0.9871113
9 0.26189028]
Round335-----squared error: 15.2941 parameter: [15.09003892 1.20554689 -0.9888524
7 0.2605904]
Round336-----squared error: 15.1830 parameter: [15.10657873 1.20562425 -0.9905876
1 0.25929279]
Round337-----squared error: 15.0731 parameter: [15.12303584 1.20569786 -0.9923168
5 0.25799746]
Round338-----squared error: 14.9643 parameter: [15.13941066 1.20576775 -0.9940402
2 0.25670441]
Round339-----squared error: 14.8565 parameter: [15.1557036 1.20583397 -0.9957577
7 0.25541366]
Round340-----squared error: 14.7498 parameter: [15.17191509 1.20589654 -0.9974695
3 0.25412522]
Round341-----squared error: 14.6442 parameter: [15.18804551 1.20595551 -0.9991755
3 0.25283911]
Round342-----squared error: 14.5396 parameter: [15.20409528 1.2060109 -1.0008758
3 0.25155532]
Round343-----squared error: 14.4360 parameter: [15.22006481 1.20606274 -1.0025704
4 0.25027388]
Round344-----squared error: 14.3335 parameter: [15.23595448 1.20611108 -1.0042594
2 0.24899479]
Round345-----squared error: 14.2319 parameter: [15.25176471 1.20615594 -1.0059427
9 0.24771807]
Round346-----squared error: 14.1314 parameter: [15.26749589 1.20619737 -1.0076205
9 0.24644372]
Round347-----squared error: 14.0319 parameter: [15.28314841 1.20623538 -1.0092928
5 0.24517175]
Round348-----squared error: 13.9334 parameter: [15.29872266 1.20627001 -1.0109596
2 0.24390218]
Round349-----squared error: 13.8358 parameter: [15.31421905 1.2063013 -1.0126209
3 0.24263501]
Round350-----squared error: 13.7392 parameter: [15.32963796 1.20632927 -1.0142768
1 0.24137026]
Round351-----squared error: 13.6436 parameter: [15.34497977 1.20635396 -1.0159272
9 0.24010792]
Round352-----squared error: 13.5489 parameter: [15.36024487 1.20637539 -1.0175724
1 0.23884801]

Round353-----squared error: 13.4551 parameter: [15.37543364 1.20639361 -1.0192122
0.23759055]
Round354-----squared error: 13.3623 parameter: [15.39054648 1.20640863 -1.0208467
0.23633553]
Round355-----squared error: 13.2704 parameter: [15.40558374 1.20642049 -1.0224759
4 0.23508296]
Round356-----squared error: 13.1794 parameter: [15.42054582 1.20642921 -1.0240999
5 0.23383286]
Round357-----squared error: 13.0893 parameter: [15.43543309 1.20643483 -1.0257187
6 0.23258523]
Round358-----squared error: 13.0001 parameter: [15.45024593 1.20643738 -1.0273324
1 0.23134008]
Round359-----squared error: 12.9118 parameter: [15.4649847 1.20643688 -1.0289409
2 0.23009742]
Round360-----squared error: 12.8243 parameter: [15.47964978 1.20643337 -1.0305443
3 0.22885725]
Round361-----squared error: 12.7377 parameter: [15.49424153 1.20642687 -1.0321426
8 0.22761958]
Round362-----squared error: 12.6520 parameter: [15.50876032 1.2064174 -1.0337359
8 0.22638441]
Round363-----squared error: 12.5671 parameter: [15.52320652 1.206405 -1.0353242
8 0.22515177]
Round364-----squared error: 12.4831 parameter: [15.53758049 1.2063897 -1.0369076
0.22392164]
Round365-----squared error: 12.3999 parameter: [15.55188258 1.20637152 -1.0384859
7 0.22269404]
Round366-----squared error: 12.3175 parameter: [15.56611317 1.20635048 -1.0400594
2 0.22146897]
Round367-----squared error: 12.2359 parameter: [15.5802726 1.20632662 -1.0416279
9 0.22024645]
Round368-----squared error: 12.1551 parameter: [15.59436124 1.20629996 -1.0431916
9 0.21902647]
Round369-----squared error: 12.0752 parameter: [15.60837944 1.20627052 -1.0447505
7 0.21780904]
Round370-----squared error: 11.9960 parameter: [15.62232754 1.20623834 -1.0463046
4 0.21659416]
Round371-----squared error: 11.9176 parameter: [15.6362059 1.20620343 -1.0478539
4 0.21538185]
Round372-----squared error: 11.8400 parameter: [15.65001487 1.20616583 -1.0493985
0.21417211]
Round373-----squared error: 11.7631 parameter: [15.6637548 1.20612556 -1.0509383
4 0.21296494]
Round374-----squared error: 11.6870 parameter: [15.67742602 1.20608264 -1.0524734
9 0.21176035]
Round375-----squared error: 11.6117 parameter: [15.69102889 1.20603709 -1.0540039
8 0.21055834]
Round376-----squared error: 11.5371 parameter: [15.70456375 1.20598895 -1.0555298
4 0.20935892]
Round377-----squared error: 11.4632 parameter: [15.71803093 1.20593823 -1.0570510
9 0.20816209]
Round378-----squared error: 11.3901 parameter: [15.73143077 1.20588496 -1.0585677
6 0.20696785]
Round379-----squared error: 11.3177 parameter: [15.74476362 1.20582917 -1.0600798
7 0.20577622]
Round380-----squared error: 11.2460 parameter: [15.7580298 1.20577087 -1.0615874
6 0.20458719]
Round381-----squared error: 11.1750 parameter: [15.77122965 1.20571009 -1.0630905
5 0.20340077]
Round382-----squared error: 11.1047 parameter: [15.78436351 1.20564685 -1.0645891
7 0.20221696]
Round383-----squared error: 11.0351 parameter: [15.79743169 1.20558118 -1.0660833
3 0.20103577]
Round384-----squared error: 10.9662 parameter: [15.81043453 1.2055131 -1.0675730
7 0.19985719]

Round385-----squared error: 10.8980 parameter: [15.82337236 1.20544262 -1.0690584
2 0.19868124]
Round386-----squared error: 10.8304 parameter: [15.83624549 1.20536978 -1.0705393
9 0.19750791]
Round387-----squared error: 10.7635 parameter: [15.84905427 1.20529459 -1.0720160
1 0.19633722]
Round388-----squared error: 10.6973 parameter: [15.861799 1.20521707 -1.0734883
0.19516915]
Round389-----squared error: 10.6318 parameter: [15.87448 1.20513726 -1.0749563
0.19400372]
Round390-----squared error: 10.5668 parameter: [15.8870976 1.20505515 -1.0764200
2 0.19284093]
Round391-----squared error: 10.5026 parameter: [15.89965211 1.20497079 -1.0778794
9 0.19168078]
Round392-----squared error: 10.4389 parameter: [15.91214385 1.20488419 -1.0793347
4 0.19052327]
Round393-----squared error: 10.3759 parameter: [15.92457313 1.20479537 -1.0807857
7 0.18936841]
Round394-----squared error: 10.3135 parameter: [15.93694027 1.20470434 -1.0822326
3 0.18821619]
Round395-----squared error: 10.2517 parameter: [15.94924557 1.20461114 -1.0836753
3 0.18706662]
Round396-----squared error: 10.1905 parameter: [15.96148934 1.20451578 -1.0851139
0.18591971]
Round397-----squared error: 10.1300 parameter: [15.97367189 1.20441827 -1.0865483
5 0.18477545]
Round398-----squared error: 10.0700 parameter: [15.98579353 1.20431865 -1.0879787
1 0.18363384]
Round399-----squared error: 10.0106 parameter: [15.99785456 1.20421692 -1.0894050
1 0.18249489]
Round400-----squared error: 9.9518 parameter: [16.00985529 1.20411312 -1.09082726
0.1813586]
Round401-----squared error: 9.8936 parameter: [16.02179602 1.20400725 -1.09224549
0.18022497]
Round402-----squared error: 9.8360 parameter: [16.03367704 1.20389934 -1.09365972
0.179094]
Round403-----squared error: 9.7789 parameter: [16.04549865 1.2037894 -1.09506997
0.1779657]
Round404-----squared error: 9.7224 parameter: [16.05726116 1.20367745 -1.09647626
0.17684005]
Round405-----squared error: 9.6665 parameter: [16.06896485 1.20356352 -1.09787861
0.17571708]
Round406-----squared error: 9.6111 parameter: [16.08061003 1.20344762 -1.09927705
0.17459677]
Round407-----squared error: 9.5562 parameter: [16.09219698 1.20332976 -1.1006716
0.17347912]
Round408-----squared error: 9.5019 parameter: [16.10372599 1.20320997 -1.10206227
0.17236415]
Round409-----squared error: 9.4481 parameter: [16.11519736 1.20308826 -1.10344909
0.17125184]
Round410-----squared error: 9.3949 parameter: [16.12661137 1.20296465 -1.10483207
0.1701422]
Round411-----squared error: 9.3422 parameter: [16.13796832 1.20283916 -1.10621124
0.16903523]
Round412-----squared error: 9.2900 parameter: [16.14926848 1.20271181 -1.10758662
0.16793093]
Round413-----squared error: 9.2383 parameter: [16.16051213 1.2025826 -1.10895823
0.1668293]
Round414-----squared error: 9.1871 parameter: [16.17169957 1.20245157 -1.11032608
0.16573034]
Round415-----squared error: 9.1364 parameter: [16.18283108 1.20231872 -1.1116902
0.16463405]
Round416-----squared error: 9.0863 parameter: [16.19390692 1.20218407 -1.11305061
0.16354043]

Round417-----squared error: 9.0366 parameter: [16.20492739 1.20204764 -1.11440732
0.16244948]
Round418-----squared error: 8.9874 parameter: [16.21589275 1.20190944 -1.11576036
0.1613612]
Round419-----squared error: 8.9387 parameter: [16.22680328 1.20176949 -1.11710974
0.1602756]
Round420-----squared error: 8.8905 parameter: [16.23765927 1.20162781 -1.11845548
0.15919266]
Round421-----squared error: 8.8427 parameter: [16.24846097 1.20148441 -1.1197976
0.15811239]
Round422-----squared error: 8.7955 parameter: [16.25920867 1.20133931 -1.12113612
0.15703479]
Round423-----squared error: 8.7486 parameter: [16.26990262 1.20119252 -1.12247106
0.15595986]
Round424-----squared error: 8.7023 parameter: [16.28054311 1.20104406 -1.12380243
0.15488759]
Round425-----squared error: 8.6564 parameter: [16.2911304 1.20089394 -1.12513026
0.15381799]
Round426-----squared error: 8.6110 parameter: [16.30166474 1.20074217 -1.12645456
0.15275106]
Round427-----squared error: 8.5660 parameter: [16.31214642 1.20058879 -1.12777535
0.15168679]
Round428-----squared error: 8.5214 parameter: [16.32257569 1.20043378 -1.12909265
0.15062519]
Round429-----squared error: 8.4773 parameter: [16.33295281 1.20027718 -1.13040647
0.14956625]
Round430-----squared error: 8.4336 parameter: [16.34327804 1.200119 -1.13171683
0.14850998]
Round431-----squared error: 8.3904 parameter: [16.35355165 1.19995925 -1.13302376
0.14745636]
Round432-----squared error: 8.3475 parameter: [16.3637739 1.19979794 -1.13432725
0.1464054]
Round433-----squared error: 8.3051 parameter: [16.37394503 1.19963509 -1.13562734
0.14535711]
Round434-----squared error: 8.2632 parameter: [16.3840653 1.19947071 -1.13692404
0.14431147]
Round435-----squared error: 8.2216 parameter: [16.39413498 1.19930482 -1.13821737
0.14326848]
Round436-----squared error: 8.1804 parameter: [16.4041543 1.19913743 -1.13950734
0.14222815]
Round437-----squared error: 8.1397 parameter: [16.41412353 1.19896856 -1.14079397
0.14119048]
Round438-----squared error: 8.0993 parameter: [16.42404291 1.19879821 -1.14207727
0.14015545]
Round439-----squared error: 8.0594 parameter: [16.4339127 1.1986264 -1.14335727
0.13912307]
Round440-----squared error: 8.0198 parameter: [16.44373313 1.19845314 -1.14463397
0.13809334]
Round441-----squared error: 7.9806 parameter: [16.45350447 1.19827845 -1.1459074
0.13706626]
Round442-----squared error: 7.9418 parameter: [16.46322695 1.19810234 -1.14717756
0.13604182]
Round443-----squared error: 7.9034 parameter: [16.47290081 1.19792482 -1.14844448
0.13502002]
Round444-----squared error: 7.8654 parameter: [16.48252631 1.1977459 -1.14970817
0.13400086]
Round445-----squared error: 7.8277 parameter: [16.49210367 1.1975656 -1.15096865
0.13298435]
Round446-----squared error: 7.7904 parameter: [16.50163316 1.19738393 -1.15222593
0.13197046]
Round447-----squared error: 7.7535 parameter: [16.51111499 1.19720091 -1.15348002
0.13095921]
Round448-----squared error: 7.7169 parameter: [16.52054942 1.19701653 -1.15473094
0.12995059]

Round449-----squared error: 7.6807 parameter: [16.52993667 1.19683083 -1.15597871
0.1289446]
Round450-----squared error: 7.6449 parameter: [16.53927699 1.1966438 -1.15722334
0.12794124]
Round451-----squared error: 7.6094 parameter: [16.5485706 1.19645546 -1.15846485
0.1269405]
Round452-----squared error: 7.5743 parameter: [16.55781775 1.19626582 -1.15970325
0.12594239]
Round453-----squared error: 7.5395 parameter: [16.56701866 1.19607489 -1.16093855
0.12494689]
Round454-----squared error: 7.5050 parameter: [16.57617357 1.19588269 -1.16217076
0.12395401]
Round455-----squared error: 7.4709 parameter: [16.5852827 1.19568923 -1.16339992
0.12296375]
Round456-----squared error: 7.4371 parameter: [16.59434628 1.19549451 -1.16462602
0.1219761]
Round457-----squared error: 7.4037 parameter: [16.60336455 1.19529855 -1.16584908
0.12099105]
Round458-----squared error: 7.3705 parameter: [16.61233773 1.19510136 -1.16706911
0.12000861]
Round459-----squared error: 7.3377 parameter: [16.62126604 1.19490295 -1.16828613
0.11902878]
Round460-----squared error: 7.3053 parameter: [16.63014971 1.19470334 -1.16950016
0.11805155]
Round461-----squared error: 7.2731 parameter: [16.63898896 1.19450252 -1.1707112
0.11707691]
Round462-----squared error: 7.2413 parameter: [16.64778402 1.19430052 -1.17191928
0.11610487]
Round463-----squared error: 7.2097 parameter: [16.6565351 1.19409734 -1.17312439
0.11513543]
Round464-----squared error: 7.1785 parameter: [16.66524242 1.193893 -1.17432656
0.11416857]
Round465-----squared error: 7.1476 parameter: [16.67390621 1.1936875 -1.1755258
0.11320429]
Round466-----squared error: 7.1170 parameter: [16.68252668 1.19348086 -1.17672213
0.11224261]
Round467-----squared error: 7.0867 parameter: [16.69110405 1.19327308 -1.17791554
0.1112835]
Round468-----squared error: 7.0567 parameter: [16.69963853 1.19306417 -1.17910607
0.11032696]
Round469-----squared error: 7.0270 parameter: [16.70813033 1.19285415 -1.18029372
0.109373]
Round470-----squared error: 6.9975 parameter: [16.71657968 1.19264303 -1.1814785
0.10842161]
Round471-----squared error: 6.9684 parameter: [16.72498678 1.19243081 -1.18266043
0.10747279]
Round472-----squared error: 6.9395 parameter: [16.73335185 1.19221751 -1.18383952
0.10652653]
Round473-----squared error: 6.9110 parameter: [16.74167509 1.19200313 -1.18501578
0.10558283]
Round474-----squared error: 6.8827 parameter: [16.74995671 1.19178768 -1.18618922
0.10464169]
Round475-----squared error: 6.8547 parameter: [16.75819693 1.19157118 -1.18735986
0.1037031]
Round476-----squared error: 6.8269 parameter: [16.76639595 1.19135363 -1.18852771
0.10276706]
Round477-----squared error: 6.7995 parameter: [16.77455397 1.19113505 -1.18969277
0.10183357]
Round478-----squared error: 6.7723 parameter: [16.7826712 1.19091543 -1.19085507
0.10090262]
Round479-----squared error: 6.7454 parameter: [16.79074784 1.1906948 -1.19201462
0.09997421]
Round480-----squared error: 6.7187 parameter: [16.7987841 1.19047315 -1.19317142
0.09904834]

Round481-----squared error: 6.6923 parameter: [16.80678018 1.19025051 -1.19432549
0.098125]
Round482-----squared error: 6.6661 parameter: [16.81473628 1.19002687 -1.19547683
0.09720418]
Round483-----squared error: 6.6403 parameter: [16.8226526 1.18980225 -1.19662547
0.0962859]
Round484-----squared error: 6.6146 parameter: [16.83052934 1.18957666 -1.19777141
0.09537013]
Round485-----squared error: 6.5892 parameter: [16.83836669 1.1893501 -1.19891466
0.09445688]
Round486-----squared error: 6.5641 parameter: [16.84616486 1.18912258 -1.20005524
0.09354614]
Round487-----squared error: 6.5392 parameter: [16.85392403 1.18889411 -1.20119316
0.09263791]
Round488-----squared error: 6.5146 parameter: [16.86164441 1.18866471 -1.20232842
0.09173219]
Round489-----squared error: 6.4902 parameter: [16.86932619 1.18843437 -1.20346104
0.09082897]
Round490-----squared error: 6.4660 parameter: [16.87696956 1.1882031 -1.20459103
0.08992825]
Round491-----squared error: 6.4421 parameter: [16.88457471 1.18797093 -1.2057184
0.08903002]
Round492-----squared error: 6.4184 parameter: [16.89214184 1.18773784 -1.20684317
0.08813428]
Round493-----squared error: 6.3949 parameter: [16.89967113 1.18750386 -1.20796533
0.08724103]
Round494-----squared error: 6.3717 parameter: [16.90716277 1.18726898 -1.20908491
0.08635026]
Round495-----squared error: 6.3487 parameter: [16.91461696 1.18703323 -1.21020191
0.08546197]
Round496-----squared error: 6.3259 parameter: [16.92203387 1.18679659 -1.21131634
0.08457615]
Round497-----squared error: 6.3033 parameter: [16.9294137 1.18655909 -1.21242822
0.0836928]
Round498-----squared error: 6.2810 parameter: [16.93675664 1.18632073 -1.21353755
0.08281192]
Round499-----squared error: 6.2589 parameter: [16.94406285 1.18608152 -1.21464435
0.0819335]
Round500-----squared error: 6.2370 parameter: [16.95133254 1.18584147 -1.21574862
0.08105754]
Round501-----squared error: 6.2153 parameter: [16.95856587 1.18560057 -1.21685038
0.08018403]
Round502-----squared error: 6.1938 parameter: [16.96576305 1.18535885 -1.21794963
0.07931297]
Round503-----squared error: 6.1725 parameter: [16.97292423 1.18511631 -1.21904639
0.07844436]
Round504-----squared error: 6.1515 parameter: [16.98004961 1.18487295 -1.22014067
0.07757818]
Round505-----squared error: 6.1306 parameter: [16.98713936 1.18462878 -1.22123247
0.07671444]
Round506-----squared error: 6.1100 parameter: [16.99419366 1.18438382 -1.2223218
0.07585314]
Round507-----squared error: 6.0895 parameter: [17.0012127 1.18413806 -1.22340868
0.07499426]
Round508-----squared error: 6.0693 parameter: [17.00819663 1.18389152 -1.22449312
0.0741378]
Round509-----squared error: 6.0492 parameter: [17.01514565 1.18364419 -1.22557511
0.07328377]
Round510-----squared error: 6.0294 parameter: [17.02205992 1.1833961 -1.22665469
0.07243215]
Round511-----squared error: 6.0097 parameter: [17.02893962 1.18314724 -1.22773184
0.07158294]
Round512-----squared error: 5.9902 parameter: [17.03578492 1.18289762 -1.22880659
0.07073613]

Round513-----squared error: 5.9710 parameter: [17.042596 1.18264725 -1.22987894
0.06989173]
Round514-----squared error: 5.9519 parameter: [17.04937302 1.18239614 -1.23094891
0.06904972]
Round515-----squared error: 5.9330 parameter: [17.05611615 1.18214429 -1.23201649
0.06821011]
Round516-----squared error: 5.9142 parameter: [17.06282557 1.18189171 -1.2330817
0.06737288]
Round517-----squared error: 5.8957 parameter: [17.06950145 1.1816384 -1.23414456
0.06653804]
Round518-----squared error: 5.8773 parameter: [17.07614394 1.18138438 -1.23520506
0.06570558]
Round519-----squared error: 5.8592 parameter: [17.08275322 1.18112964 -1.23626321
0.06487549]
Round520-----squared error: 5.8412 parameter: [17.08932945 1.1808742 -1.23731904
0.06404778]
Round521-----squared error: 5.8233 parameter: [17.0958728 1.18061806 -1.23837254
0.06322243]
Round522-----squared error: 5.8057 parameter: [17.10238344 1.18036123 -1.23942372
0.06239944]
Round523-----squared error: 5.7882 parameter: [17.10886152 1.18010371 -1.24047259
0.0615788]
Round524-----squared error: 5.7709 parameter: [17.11530722 1.17984551 -1.24151917
0.06076052]
Round525-----squared error: 5.7538 parameter: [17.12172068 1.17958664 -1.24256346
0.05994459]
Round526-----squared error: 5.7368 parameter: [17.12810208 1.1793271 -1.24360546
0.05913099]
Round527-----squared error: 5.7200 parameter: [17.13445157 1.1790669 -1.24464519
0.05831974]
Round528-----squared error: 5.7033 parameter: [17.14076931 1.17880604 -1.24568266
0.05751082]
Round529-----squared error: 5.6869 parameter: [17.14705546 1.17854453 -1.24671787
0.05670423]
Round530-----squared error: 5.6705 parameter: [17.15331018 1.17828238 -1.24775084
0.05589996]
Round531-----squared error: 5.6544 parameter: [17.15953363 1.17801959 -1.24878156
0.05509801]
Round532-----squared error: 5.6384 parameter: [17.16572597 1.17775616 -1.24981006
0.05429838]
Round533-----squared error: 5.6225 parameter: [17.17188734 1.17749211 -1.25083633
0.05350106]
Round534-----squared error: 5.6068 parameter: [17.1780179 1.17722744 -1.25186038
0.05270604]
Round535-----squared error: 5.5913 parameter: [17.18411781 1.17696216 -1.25288224
0.05191332]
Round536-----squared error: 5.5759 parameter: [17.19018722 1.17669626 -1.25390189
0.0511229]
Round537-----squared error: 5.5606 parameter: [17.19622628 1.17642976 -1.25491935
0.05033477]
Round538-----squared error: 5.5455 parameter: [17.20223515 1.17616266 -1.25593463
0.04954893]
Round539-----squared error: 5.5306 parameter: [17.20821398 1.17589497 -1.25694773
0.04876537]
Round540-----squared error: 5.5158 parameter: [17.21416291 1.17562669 -1.25795867
0.04798408]
Round541-----squared error: 5.5011 parameter: [17.22008209 1.17535783 -1.25896745
0.04720507]
Round542-----squared error: 5.4866 parameter: [17.22597168 1.17508839 -1.25997408
0.04642833]
Round543-----squared error: 5.4722 parameter: [17.23183182 1.17481838 -1.26097856
0.04565385]
Round544-----squared error: 5.4580 parameter: [17.23766266 1.1745478 -1.26198091
0.04488162]

Round545-----squared error: 5.4439 parameter: [17.24346435 1.17427666 -1.26298114
0.04411165]
Round546-----squared error: 5.4300 parameter: [17.24923703 1.17400496 -1.26397924
0.04334393]
Round547-----squared error: 5.4161 parameter: [17.25498084 1.17373272 -1.26497523
0.04257845]
Round548-----squared error: 5.4024 parameter: [17.26069594 1.17345992 -1.26596911
0.04181521]
Round549-----squared error: 5.3889 parameter: [17.26638246 1.17318659 -1.26696089
0.0410542]
Round550-----squared error: 5.3755 parameter: [17.27204055 1.17291272 -1.26795059
0.04029542]
Round551-----squared error: 5.3622 parameter: [17.27767035 1.17263832 -1.2689382
0.03953887]
Round552-----squared error: 5.3490 parameter: [17.28327199 1.17236339 -1.26992374
0.03878453]
Round553-----squared error: 5.3360 parameter: [17.28884563 1.17208794 -1.2709072
0.03803241]
Round554-----squared error: 5.3231 parameter: [17.29439141 1.17181197 -1.27188861
0.0372825]
Round555-----squared error: 5.3103 parameter: [17.29990945 1.17153549 -1.27286796
0.0365348]
Round556-----squared error: 5.2976 parameter: [17.3053999 1.17125851 -1.27384526
0.03578929]
Round557-----squared error: 5.2851 parameter: [17.3108629 1.17098102 -1.27482053
0.03504598]
Round558-----squared error: 5.2726 parameter: [17.31629859 1.17070303 -1.27579376
0.03430486]
Round559-----squared error: 5.2604 parameter: [17.32170709 1.17042455 -1.27676497
0.03356592]
Round560-----squared error: 5.2482 parameter: [17.32708856 1.17014559 -1.27773415
0.03282917]
Round561-----squared error: 5.2361 parameter: [17.33244312 1.16986613 -1.27870133
0.03209459]
Round562-----squared error: 5.2242 parameter: [17.3377709 1.1695862 -1.2796665
0.03136218]
Round563-----squared error: 5.2123 parameter: [17.34307205 1.1693058 -1.28062967
0.03063193]
Round564-----squared error: 5.2006 parameter: [17.34834669 1.16902492 -1.28159085
0.02990385]
Round565-----squared error: 5.1890 parameter: [17.35359495 1.16874358 -1.28255004
0.02917792]
Round566-----squared error: 5.1775 parameter: [17.35881698 1.16846177 -1.28350726
0.02845415]
Round567-----squared error: 5.1662 parameter: [17.36401289 1.16817951 -1.28446251
0.02773252]
Round568-----squared error: 5.1549 parameter: [17.36918283 1.1678968 -1.28541579
0.02701303]
Round569-----squared error: 5.1437 parameter: [17.37432691 1.16761363 -1.28636711
0.02629567]
Round570-----squared error: 5.1327 parameter: [17.37944528 1.16733003 -1.28731648
0.02558045]
Round571-----squared error: 5.1217 parameter: [17.38453805 1.16704598 -1.28826391
0.02486736]
Round572-----squared error: 5.1109 parameter: [17.38960536 1.16676149 -1.2892094
0.02415638]
Round573-----squared error: 5.1002 parameter: [17.39464734 1.16647658 -1.29015296
0.02344753]
Round574-----squared error: 5.0896 parameter: [17.3996641 1.16619123 -1.29109459
0.02274078]
Round575-----squared error: 5.0790 parameter: [17.40465578 1.16590546 -1.2920343
0.02203614]
Round576-----squared error: 5.0686 parameter: [17.4096225 1.16561927 -1.2929721
0.02133361]

Round577-----squared error: 5.0583 parameter: [17.41456439 1.16533267 -1.29390799
0.02063317]
Round578-----squared error: 5.0481 parameter: [17.41948157 1.16504565 -1.29484198
0.01993482]
Round579-----squared error: 5.0379 parameter: [17.42437416 1.16475823 -1.29577408
0.01923856]
Round580-----squared error: 5.0279 parameter: [17.42924229 1.1644704 -1.29670429
0.01854438]
Round581-----squared error: 5.0180 parameter: [17.43408608 1.16418217 -1.29763262
0.01785228]
Round582-----squared error: 5.0081 parameter: [1.74389056e+01 1.16389354e+00 -1.
29855907e+00 1.71622470e-02]
Round583-----squared error: 4.9984 parameter: [1.74437011e+01 1.16360453e+00 -1.
29948366e+00 1.64742853e-02]
Round584-----squared error: 4.9888 parameter: [1.74484726e+01 1.16331512e+00 -1.
30040638e+00 1.57883860e-02]
Round585-----squared error: 4.9792 parameter: [1.74532202e+01 1.16302533e+00 -1.
30132724e+00 1.51045443e-02]
Round586-----squared error: 4.9697 parameter: [1.74579441e+01 1.16273516e+00 -1.
30224625e+00 1.44227552e-02]
Round587-----squared error: 4.9604 parameter: [1.74626444e+01 1.16244461e+00 -1.
30316342e+00 1.37430138e-02]
Round588-----squared error: 4.9511 parameter: [1.74673212e+01 1.16215369e+00 -1.
30407875e+00 1.30653153e-02]
Round589-----squared error: 4.9419 parameter: [1.74719746e+01 1.16186239e+00 -1.
30499224e+00 1.23896546e-02]
Round590-----squared error: 4.9328 parameter: [1.74766047e+01 1.16157073e+00 -1.
30590391e+00 1.17160269e-02]
Round591-----squared error: 4.9238 parameter: [1.74812117e+01 1.16127871e+00 -1.
30681375e+00 1.10444272e-02]
Round592-----squared error: 4.9149 parameter: [1.74857956e+01 1.16098633e+00 -1.
30772178e+00 1.03748507e-02]
Round593-----squared error: 4.9060 parameter: [1.74903567e+01 1.16069359e+00 -1.
30862800e+00 9.70729245e-03]
Round594-----squared error: 4.8973 parameter: [1.74948949e+01 1.16040050e+00 -1.
30953241e+00 9.04174752e-03]
Round595-----squared error: 4.8886 parameter: [1.74994104e+01 1.16010706e+00 -1.
31043503e+00 8.37821101e-03]
Round596-----squared error: 4.8800 parameter: [1.75039034e+01 1.15981328e+00 -1.
31133585e+00 7.71667802e-03]
Round597-----squared error: 4.8715 parameter: [1.75083738e+01 1.15951915e+00 -1.
31223488e+00 7.05714366e-03]
Round598-----squared error: 4.8631 parameter: [1.75128220e+01 1.15922469e+00 -1.
31313214e+00 6.39960301e-03]
Round599-----squared error: 4.8547 parameter: [1.75172479e+01 1.15892989e+00 -1.
31402762e+00 5.74405119e-03]
Round600-----squared error: 4.8465 parameter: [1.75216516e+01 1.15863476e+00 -1.
31492132e+00 5.09048331e-03]
Round601-----squared error: 4.8383 parameter: [1.75260334e+01 1.15833930e+00 -1.
31581326e+00 4.43889446e-03]
Round602-----squared error: 4.8302 parameter: [1.75303932e+01 1.15804351e+00 -1.
31670345e+00 3.78927976e-03]
Round603-----squared error: 4.8222 parameter: [1.75347312e+01 1.15774740e+00 -1.
31759187e+00 3.14163434e-03]
Round604-----squared error: 4.8142 parameter: [1.75390476e+01 1.15745098e+00 -1.
31847855e+00 2.49595329e-03]
Round605-----squared error: 4.8063 parameter: [1.75433423e+01 1.15715424e+00 -1.
31936349e+00 1.85223175e-03]
Round606-----squared error: 4.7985 parameter: [1.75476156e+01 1.15685719e+00 -1.
32024669e+00 1.21046484e-03]
Round607-----squared error: 4.7908 parameter: [1.75518675e+01 1.15655982e+00 -1.
32112815e+00 5.70647688e-04]
Round608-----squared error: 4.7832 parameter: [1.75560982e+01 1.15626216e+00 -1.
32200789e+00 -6.72245775e-05]

Round609-----squared error: 4.7756 parameter: [1.75603077e+01 1.15596419e+00 -1.32288591e+00 -7.03156820e-04]
 Round610-----squared error: 4.7681 parameter: [1.75644962e+01 1.15566592e+00 -1.32376221e+00 -1.33715390e-03]
 Round611-----squared error: 4.7607 parameter: [1.75686637e+01 1.15536735e+00 -1.32463680e+00 -1.96922068e-03]
 Round612-----squared error: 4.7533 parameter: [1.75728104e+01 1.15506849e+00 -1.32550968e+00 -2.59936201e-03]
 Round613-----squared error: 4.7460 parameter: [1.75769363e+01 1.15476934e+00 -1.32638087e+00 -3.22758273e-03]
 Round614-----squared error: 4.7388 parameter: [1.75810416e+01 1.15446990e+00 -1.32725035e+00 -3.85388770e-03]
 Round615-----squared error: 4.7316 parameter: [1.75851264e+01 1.15417018e+00 -1.32811815e+00 -4.47828176e-03]
 Round616-----squared error: 4.7246 parameter: [1.75891908e+01 1.15387018e+00 -1.32898426e+00 -5.10076974e-03]
 Round617-----squared error: 4.7175 parameter: [1.75932349e+01 1.15356990e+00 -1.32984869e+00 -5.72135648e-03]
 Round618-----squared error: 4.7106 parameter: [1.75972587e+01 1.15326934e+00 -1.33071145e+00 -6.34004680e-03]
 Round619-----squared error: 4.7037 parameter: [1.76012624e+01 1.15296851e+00 -1.33157253e+00 -6.95684553e-03]
 Round620-----squared error: 4.6969 parameter: [1.76052461e+01 1.15266742e+00 -1.33243195e+00 -7.57175749e-03]
 Round621-----squared error: 4.6901 parameter: [1.76092098e+01 1.15236605e+00 -1.33328971e+00 -8.18478748e-03]
 Round622-----squared error: 4.6835 parameter: [1.76131538e+01 1.15206442e+00 -1.33414582e+00 -8.79594033e-03]
 Round623-----squared error: 4.6768 parameter: [1.76170780e+01 1.15176253e+00 -1.33500027e+00 -9.40522082e-03]
 Round624-----squared error: 4.6703 parameter: [1.76209826e+01 1.15146038e+00 -1.33585308e+00 -1.00126338e-02]
 Round625-----squared error: 4.6638 parameter: [1.76248677e+01 1.15115798e+00 -1.33670425e+00 -1.06181840e-02]
 Round626-----squared error: 4.6574 parameter: [1.76287334e+01 1.15085532e+00 -1.33755378e+00 -1.12218762e-02]
 Round627-----squared error: 4.6510 parameter: [1.76325797e+01 1.15055242e+00 -1.33840169e+00 -1.18237152e-02]
 Round628-----squared error: 4.6447 parameter: [1.76364068e+01 1.15024926e+00 -1.33924796e+00 -1.24237059e-02]
 Round629-----squared error: 4.6384 parameter: [1.76402148e+01 1.14994586e+00 -1.34009262e+00 -1.30218529e-02]
 Round630-----squared error: 4.6322 parameter: [1.76440037e+01 1.14964222e+00 -1.34093566e+00 -1.36181610e-02]
 Round631-----squared error: 4.6261 parameter: [1.76477737e+01 1.14933834e+00 -1.34177709e+00 -1.42126351e-02]
 Round632-----squared error: 4.6200 parameter: [1.76515248e+01 1.14903423e+00 -1.34261691e+00 -1.48052798e-02]
 Round633-----squared error: 4.6140 parameter: [1.76552572e+01 1.14872988e+00 -1.34345513e+00 -1.53960999e-02]
 Round634-----squared error: 4.6081 parameter: [1.76589709e+01 1.14842530e+00 -1.34429175e+00 -1.59851001e-02]
 Round635-----squared error: 4.6022 parameter: [1.76626661e+01 1.14812049e+00 -1.34512678e+00 -1.65722852e-02]
 Round636-----squared error: 4.5963 parameter: [1.76663427e+01 1.14781545e+00 -1.34596022e+00 -1.71576600e-02]
 Round637-----squared error: 4.5905 parameter: [17.67000101 1.14751019 -1.34679207 -0.01774123]
 Round638-----squared error: 4.5848 parameter: [17.67364101 1.14720471 -1.34762235 -0.018323]
 Round639-----squared error: 4.5791 parameter: [17.6772628 1.14689901 -1.34845106 -0.01890297]
 Round640-----squared error: 4.5735 parameter: [17.68086649 1.1465931 -1.34927819 -0.01948115]

Round641-----squared error: 4.5679 parameter: [17.68445216 1.14628697 -1.35010376
-0.02005754]
Round642-----squared error: 4.5624 parameter: [17.68801989 1.14598063 -1.35092777
-0.02063215]
Round643-----squared error: 4.5569 parameter: [17.69156979 1.14567408 -1.35175022
-0.02120499]
Round644-----squared error: 4.5515 parameter: [17.69510195 1.14536733 -1.35257112
-0.02177605]
Round645-----squared error: 4.5461 parameter: [17.69861644 1.14506037 -1.35339047
-0.02234534]
Round646-----squared error: 4.5408 parameter: [17.70211335 1.14475321 -1.35420828
-0.02291287]
Round647-----squared error: 4.5356 parameter: [17.70559279 1.14444585 -1.35502455
-0.02347864]
Round648-----squared error: 4.5304 parameter: [17.70905482 1.1441383 -1.35583929
-0.02404266]
Round649-----squared error: 4.5252 parameter: [17.71249955 1.14383055 -1.35665249
-0.02460493]
Round650-----squared error: 4.5201 parameter: [17.71592705 1.14352261 -1.35746417
-0.02516545]
Round651-----squared error: 4.5150 parameter: [17.71933742 1.14321448 -1.35827433
-0.02572423]
Round652-----squared error: 4.5100 parameter: [17.72273073 1.14290616 -1.35908298
-0.02628128]
Round653-----squared error: 4.5050 parameter: [17.72610708 1.14259766 -1.35989011
-0.0268366]
Round654-----squared error: 4.5001 parameter: [17.72946654 1.14228897 -1.36069573
-0.02739019]
Round655-----squared error: 4.4952 parameter: [17.73280921 1.14198011 -1.36149985
-0.02794205]
Round656-----squared error: 4.4904 parameter: [17.73613516 1.14167106 -1.36230247
-0.02849221]
Round657-----squared error: 4.4856 parameter: [17.73944449 1.14136184 -1.36310359
-0.02904064]
Round658-----squared error: 4.4809 parameter: [17.74273726 1.14105245 -1.36390322
-0.02958737]
Round659-----squared error: 4.4762 parameter: [17.74601358 1.14074288 -1.36470137
-0.0301324]
Round660-----squared error: 4.4715 parameter: [17.74927351 1.14043315 -1.36549803
-0.03067573]
Round661-----squared error: 4.4669 parameter: [17.75251714 1.14012325 -1.36629321
-0.03121736]
Round662-----squared error: 4.4624 parameter: [17.75574456 1.13981318 -1.36708692
-0.03175731]
Round663-----squared error: 4.4578 parameter: [17.75895583 1.13950295 -1.36787916
-0.03229557]
Round664-----squared error: 4.4534 parameter: [17.76215105 1.13919256 -1.36866993
-0.03283215]
Round665-----squared error: 4.4489 parameter: [17.76533303 1.13888201 -1.36945923
-0.03336705]
Round666-----squared error: 4.4445 parameter: [17.76849365 1.1385713 -1.37024708
-0.03390028]
Round667-----squared error: 4.4402 parameter: [17.77164118 1.13826044 -1.37103348
-0.03443185]
Round668-----squared error: 4.4359 parameter: [17.77477297 1.13794943 -1.37181842
-0.03496175]
Round669-----squared error: 4.4316 parameter: [17.77788911 1.13763826 -1.37260192
-0.03548999]
Round670-----squared error: 4.4274 parameter: [17.78098966 1.13732695 -1.37338397
-0.03601658]
Round671-----squared error: 4.4232 parameter: [17.78407471 1.13701549 -1.37416459
-0.03654152]
Round672-----squared error: 4.4190 parameter: [17.78714434 1.13670389 -1.37494377
-0.03706482]

Round673-----squared error: 4.4149 parameter: [17.79019862 1.13639214 -1.37572152
-0.03758648]
Round674-----squared error: 4.4108 parameter: [17.79323763 1.13608026 -1.37649784
-0.0381065]
Round675-----squared error: 4.4068 parameter: [17.79626144 1.13576823 -1.37727274
-0.03862489]
Round676-----squared error: 4.4028 parameter: [17.79927013 1.13545607 -1.37804623
-0.03914165]
Round677-----squared error: 4.3989 parameter: [17.80226378 1.13514377 -1.37881829
-0.03965679]
Round678-----squared error: 4.3949 parameter: [17.80524246 1.13483135 -1.37958895
-0.04017032]
Round679-----squared error: 4.3910 parameter: [17.80820625 1.13451879 -1.38035819
-0.04068223]
Round680-----squared error: 4.3872 parameter: [17.81115522 1.1342061 -1.38112604
-0.04119253]
Round681-----squared error: 4.3834 parameter: [17.81408944 1.13389328 -1.38189248
-0.04170123]
Round682-----squared error: 4.3796 parameter: [17.81700899 1.13358034 -1.38265753
-0.04220832]
Round683-----squared error: 4.3759 parameter: [17.81991395 1.13326728 -1.38342118
-0.04271382]
Round684-----squared error: 4.3722 parameter: [17.82280438 1.1329541 -1.38418344
-0.04321773]
Round685-----squared error: 4.3685 parameter: [17.82568036 1.13264079 -1.38494432
-0.04372005]
Round686-----squared error: 4.3649 parameter: [17.82854196 1.13232737 -1.38570382
-0.04422079]
Round687-----squared error: 4.3612 parameter: [17.83138925 1.13201383 -1.38646194
-0.04471995]
Round688-----squared error: 4.3577 parameter: [17.8342223 1.13170018 -1.38721869
-0.04521754]
Round689-----squared error: 4.3541 parameter: [17.83704119 1.13138641 -1.38797407
-0.04571356]
Round690-----squared error: 4.3506 parameter: [17.83984598 1.13107254 -1.38872808
-0.04620801]
Round691-----squared error: 4.3472 parameter: [17.84263675 1.13075856 -1.38948072
-0.0467009]
Round692-----squared error: 4.3437 parameter: [17.84541357 1.13044447 -1.39023201
-0.04719224]
Round693-----squared error: 4.3403 parameter: [17.8481765 1.13013027 -1.39098194
-0.04768202]
Round694-----squared error: 4.3370 parameter: [17.85092562 1.12981597 -1.39173052
-0.04817025]
Round695-----squared error: 4.3336 parameter: [17.85366099 1.12950157 -1.39247775
-0.04865694]
Round696-----squared error: 4.3303 parameter: [17.85638269 1.12918707 -1.39322364
-0.0491421]
Round697-----squared error: 4.3270 parameter: [17.85909077 1.12887247 -1.39396818
-0.04962571]
Round698-----squared error: 4.3238 parameter: [17.86178532 1.12855777 -1.39471139
-0.0501078]
Round699-----squared error: 4.3205 parameter: [17.86446639 1.12824298 -1.39545326
-0.05058836]
Round700-----squared error: 4.3174 parameter: [17.86713406 1.1279281 -1.3961938
-0.05106739]
Round701-----squared error: 4.3142 parameter: [17.86978839 1.12761312 -1.39693301
-0.05154491]
Round702-----squared error: 4.3111 parameter: [17.87242945 1.12729806 -1.3976709
-0.05202091]
Round703-----squared error: 4.3080 parameter: [17.8750573 1.1269829 -1.39840746
-0.05249541]
Round704-----squared error: 4.3049 parameter: [17.87767201 1.12666766 -1.39914271
-0.0529684]

Round705-----squared error: 4.3018 parameter: [17.88027365 1.12635234 -1.39987665
-0.05343988]
Round706-----squared error: 4.2988 parameter: [17.88286228 1.12603693 -1.40060928
-0.05390987]
Round707-----squared error: 4.2958 parameter: [17.88543797 1.12572143 -1.40134059
-0.05437837]
Round708-----squared error: 4.2929 parameter: [17.88800078 1.12540586 -1.40207061
-0.05484538]
Round709-----squared error: 4.2899 parameter: [17.89055078 1.12509021 -1.40279932
-0.0553109]
Round710-----squared error: 4.2870 parameter: [17.89308803 1.12477448 -1.40352674
-0.05577494]
Round711-----squared error: 4.2842 parameter: [17.89561259 1.12445868 -1.40425287
-0.05623751]
Round712-----squared error: 4.2813 parameter: [17.89812452 1.1241428 -1.4049777
-0.05669861]
Round713-----squared error: 4.2785 parameter: [17.9006239 1.12382685 -1.40570125
-0.05715823]
Round714-----squared error: 4.2757 parameter: [17.90311078 1.12351083 -1.40642351
-0.0576164]
Round715-----squared error: 4.2729 parameter: [17.90558523 1.12319474 -1.40714449
-0.0580731]
Round716-----squared error: 4.2702 parameter: [17.9080473 1.12287858 -1.4078642
-0.05852835]
Round717-----squared error: 4.2674 parameter: [17.91049706 1.12256236 -1.40858263
-0.05898214]
Round718-----squared error: 4.2647 parameter: [17.91293458 1.12224607 -1.40929979
-0.05943449]
Round719-----squared error: 4.2621 parameter: [17.91535991 1.12192971 -1.41001569
-0.0598854]
Round720-----squared error: 4.2594 parameter: [17.91777311 1.1216133 -1.41073032
-0.06033486]
Round721-----squared error: 4.2568 parameter: [17.92017424 1.12129682 -1.41144369
-0.06078289]
Round722-----squared error: 4.2542 parameter: [17.92256337 1.12098029 -1.4121558
-0.06122949]
Round723-----squared error: 4.2516 parameter: [17.92494055 1.12066369 -1.41286666
-0.06167467]
Round724-----squared error: 4.2491 parameter: [17.92730585 1.12034704 -1.41357627
-0.06211842]
Round725-----squared error: 4.2465 parameter: [17.92965932 1.12003034 -1.41428463
-0.06256075]
Round726-----squared error: 4.2440 parameter: [17.93200102 1.11971358 -1.41499174
-0.06300166]
Round727-----squared error: 4.2416 parameter: [17.93433102 1.11939677 -1.41569761
-0.06344116]
Round728-----squared error: 4.2391 parameter: [17.93664936 1.11907991 -1.41640224
-0.06387926]
Round729-----squared error: 4.2367 parameter: [17.93895612 1.118763 -1.41710564
-0.06431596]
Round730-----squared error: 4.2342 parameter: [17.94125134 1.11844605 -1.41780781
-0.06475125]
Round731-----squared error: 4.2318 parameter: [17.94353508 1.11812904 -1.41850874
-0.06518515]
Round732-----squared error: 4.2295 parameter: [17.9458074 1.11781199 -1.41920845
-0.06561766]
Round733-----squared error: 4.2271 parameter: [17.94806837 1.1174949 -1.41990694
-0.06604878]
Round734-----squared error: 4.2248 parameter: [17.95031803 1.11717777 -1.42060421
-0.06647852]
Round735-----squared error: 4.2225 parameter: [17.95255644 1.11686059 -1.42130026
-0.06690688]
Round736-----squared error: 4.2202 parameter: [17.95478365 1.11654337 -1.42199509
-0.06733386]

Round737-----squared error: 4.2179 parameter: [17.95699974 1.11622612 -1.42268872
-0.06775947]
Round738-----squared error: 4.2157 parameter: [17.95920474 1.11590883 -1.42338113
-0.06818372]
Round739-----squared error: 4.2135 parameter: [17.96139871 1.1155915 -1.42407235
-0.0686066]
Round740-----squared error: 4.2113 parameter: [17.96358172 1.11527414 -1.42476236
-0.06902812]
Round741-----squared error: 4.2091 parameter: [17.96575381 1.11495675 -1.42545117
-0.06944828]
Round742-----squared error: 4.2069 parameter: [17.96791504 1.11463932 -1.42613878
-0.0698671]
Round743-----squared error: 4.2048 parameter: [17.97006547 1.11432186 -1.4268252
-0.07028456]
Round744-----squared error: 4.2027 parameter: [17.97220514 1.11400438 -1.42751044
-0.07070068]
Round745-----squared error: 4.2006 parameter: [17.97433411 1.11368686 -1.42819448
-0.07111546]
Round746-----squared error: 4.1985 parameter: [17.97645244 1.11336932 -1.42887734
-0.07152891]
Round747-----squared error: 4.1964 parameter: [17.97856018 1.11305175 -1.42955902
-0.07194102]
Round748-----squared error: 4.1944 parameter: [17.98065738 1.11273416 -1.43023952
-0.0723518]
Round749-----squared error: 4.1923 parameter: [17.98274409 1.11241655 -1.43091885
-0.07276126]
Round750-----squared error: 4.1903 parameter: [17.98482037 1.11209891 -1.431597
-0.07316939]
Round751-----squared error: 4.1883 parameter: [17.98688627 1.11178126 -1.43227398
-0.07357621]
Round752-----squared error: 4.1863 parameter: [17.98894184 1.11146358 -1.4329498
-0.07398172]
Round753-----squared error: 4.1844 parameter: [17.99098713 1.11114588 -1.43362445
-0.07438591]
Round754-----squared error: 4.1825 parameter: [17.99302219 1.11082817 -1.43429794
-0.0747888]
Round755-----squared error: 4.1805 parameter: [17.99504708 1.11051045 -1.43497027
-0.07519039]
Round756-----squared error: 4.1786 parameter: [17.99706185 1.1101927 -1.43564145
-0.07559067]
Round757-----squared error: 4.1767 parameter: [17.99906654 1.10987495 -1.43631148
-0.07598967]
Round758-----squared error: 4.1749 parameter: [18.00106121 1.10955718 -1.43698035
-0.07638737]
Round759-----squared error: 4.1730 parameter: [18.0030459 1.1092394 -1.43764808
-0.07678378]
Round760-----squared error: 4.1712 parameter: [18.00502067 1.10892161 -1.43831466
-0.07717891]
Round761-----squared error: 4.1694 parameter: [18.00698557 1.10860381 -1.4389801
-0.07757276]
Round762-----squared error: 4.1676 parameter: [18.00894064 1.10828601 -1.43964441
-0.07796533]
Round763-----squared error: 4.1658 parameter: [18.01088594 1.1079682 -1.44030757
-0.07835664]
Round764-----squared error: 4.1640 parameter: [18.01282151 1.10765038 -1.44096961
-0.07874667]
Round765-----squared error: 4.1622 parameter: [18.0147474 1.10733256 -1.44163051
-0.07913543]
Round766-----squared error: 4.1605 parameter: [18.01666366 1.10701473 -1.44229029
-0.07952294]
Round767-----squared error: 4.1588 parameter: [18.01857034 1.1066969 -1.44294894
-0.07990919]
Round768-----squared error: 4.1571 parameter: [18.02046749 1.10637907 -1.44360646
-0.08029418]

Round769-----squared error: 4.1554 parameter: [18.02235515 1.10606125 -1.44426287
-0.08067792]
Round770-----squared error: 4.1537 parameter: [18.02423338 1.10574342 -1.44491816
-0.08106042]
Round771-----squared error: 4.1520 parameter: [18.02610221 1.10542559 -1.44557234
-0.08144167]
Round772-----squared error: 4.1504 parameter: [18.0279617 1.10510777 -1.44622541
-0.08182168]
Round773-----squared error: 4.1488 parameter: [18.02981189 1.10478995 -1.44687736
-0.08220045]
Round774-----squared error: 4.1471 parameter: [18.03165283 1.10447214 -1.44752821
-0.082578]
Round775-----squared error: 4.1455 parameter: [18.03348457 1.10415434 -1.44817796
-0.08295431]
Round776-----squared error: 4.1439 parameter: [18.03530715 1.10383654 -1.44882661
-0.0833294]
Round777-----squared error: 4.1424 parameter: [18.03712061 1.10351875 -1.44947415
-0.08370326]
Round778-----squared error: 4.1408 parameter: [18.03892501 1.10320097 -1.45012061
-0.08407591]
Round779-----squared error: 4.1393 parameter: [18.04072038 1.1028832 -1.45076596
-0.08444734]
Round780-----squared error: 4.1377 parameter: [18.04250678 1.10256545 -1.45141023
-0.08481757]
Round781-----squared error: 4.1362 parameter: [18.04428425 1.1022477 -1.45205341
-0.08518658]
Round782-----squared error: 4.1347 parameter: [18.04605282 1.10192997 -1.45269551
-0.08555439]
Round783-----squared error: 4.1332 parameter: [18.04781256 1.10161225 -1.45333652
-0.085921]
Round784-----squared error: 4.1317 parameter: [18.0495635 1.10129455 -1.45397645
-0.08628641]
Round785-----squared error: 4.1303 parameter: [18.05130568 1.10097687 -1.4546153
-0.08665063]
Round786-----squared error: 4.1288 parameter: [18.05303915 1.10065921 -1.45525308
-0.08701365]
Round787-----squared error: 4.1274 parameter: [18.05476396 1.10034156 -1.45588979
-0.08737549]
Round788-----squared error: 4.1259 parameter: [18.05648014 1.10002393 -1.45652542
-0.08773615]
Round789-----squared error: 4.1245 parameter: [18.05818774 1.09970632 -1.45715999
-0.08809563]
Round790-----squared error: 4.1231 parameter: [18.0598868 1.09938874 -1.45779349
-0.08845393]
Round791-----squared error: 4.1217 parameter: [18.06157736 1.09907118 -1.45842593
-0.08881106]
Round792-----squared error: 4.1203 parameter: [18.06325948 1.09875364 -1.45905731
-0.08916701]
Round793-----squared error: 4.1190 parameter: [18.06493318 1.09843613 -1.45968764
-0.0895218]
Round794-----squared error: 4.1176 parameter: [18.06659851 1.09811864 -1.4603169
-0.08987543]
Round795-----squared error: 4.1163 parameter: [18.06825552 1.09780117 -1.46094512
-0.0902279]
Round796-----squared error: 4.1149 parameter: [18.06990424 1.09748374 -1.46157228
-0.09057922]
Round797-----squared error: 4.1136 parameter: [18.07154472 1.09716633 -1.4621984
-0.09092938]
Round798-----squared error: 4.1123 parameter: [18.073177 1.09684896 -1.46282347
-0.09127839]
Round799-----squared error: 4.1110 parameter: [18.07480111 1.09653161 -1.4634475
-0.09162626]
Round800-----squared error: 4.1097 parameter: [18.07641711 1.09621429 -1.46407049
-0.09197298]

Round801-----squared error: 4.1085 parameter: [18.07802502 1.09589701 -1.46469244
-0.09231857]
Round802-----squared error: 4.1072 parameter: [18.0796249 1.09557976 -1.46531336
-0.09266301]
Round803-----squared error: 4.1059 parameter: [18.08121677 1.09526254 -1.46593324
-0.09300633]
Round804-----squared error: 4.1047 parameter: [18.08280069 1.09494536 -1.46655209
-0.09334852]
Round805-----squared error: 4.1035 parameter: [18.08437668 1.09462821 -1.46716991
-0.09368958]
Round806-----squared error: 4.1023 parameter: [18.0859448 1.0943111 -1.46778671
-0.09402952]
Round807-----squared error: 4.1010 parameter: [18.08750508 1.09399403 -1.46840248
-0.09436834]
Round808-----squared error: 4.0998 parameter: [18.08905755 1.09367699 -1.46901723
-0.09470604]
Round809-----squared error: 4.0987 parameter: [18.09060226 1.09336 -1.46963097
-0.09504263]
Round810-----squared error: 4.0975 parameter: [18.09213925 1.09304304 -1.47024368
-0.09537812]
Round811-----squared error: 4.0963 parameter: [18.09366856 1.09272613 -1.47085539
-0.09571249]
Round812-----squared error: 4.0952 parameter: [18.09519021 1.09240925 -1.47146608
-0.09604577]
Round813-----squared error: 4.0940 parameter: [18.09670426 1.09209242 -1.47207576
-0.09637794]
Round814-----squared error: 4.0929 parameter: [18.09821074 1.09177563 -1.47268443
-0.09670902]
Round815-----squared error: 4.0917 parameter: [18.09970969 1.09145889 -1.4732921
-0.097039]
Round816-----squared error: 4.0906 parameter: [18.10120114 1.09114219 -1.47389877
-0.0973679]
Round817-----squared error: 4.0895 parameter: [18.10268513 1.09082554 -1.47450443
-0.09769571]
Round818-----squared error: 4.0884 parameter: [18.10416171 1.09050893 -1.4751091
-0.09802243]
Round819-----squared error: 4.0873 parameter: [18.1056309 1.09019238 -1.47571277
-0.09834808]
Round820-----squared error: 4.0862 parameter: [18.10709275 1.08987587 -1.47631545
-0.09867264]
Round821-----squared error: 4.0852 parameter: [18.10854728 1.08955941 -1.47691714
-0.09899614]
Round822-----squared error: 4.0841 parameter: [18.10999454 1.08924299 -1.47751784
-0.09931856]
Round823-----squared error: 4.0831 parameter: [18.11143457 1.08892663 -1.47811755
-0.09963992]
Round824-----squared error: 4.0820 parameter: [18.1128674 1.08861033 -1.47871628
-0.09996021]
Round825-----squared error: 4.0810 parameter: [18.11429306 1.08829407 -1.47931402
-0.10027944]
Round826-----squared error: 4.0800 parameter: [18.1157116 1.08797787 -1.47991079
-0.10059761]
Round827-----squared error: 4.0789 parameter: [18.11712304 1.08766172 -1.48050658
-0.10091473]
Round828-----squared error: 4.0779 parameter: [18.11852742 1.08734563 -1.48110139
-0.10123079]
Round829-----squared error: 4.0769 parameter: [18.11992479 1.08702959 -1.48169523
-0.10154581]
Round830-----squared error: 4.0759 parameter: [18.12131516 1.08671361 -1.4822881
-0.10185978]
Round831-----squared error: 4.0750 parameter: [18.12269859 1.08639768 -1.48288
-0.10217271]
Round832-----squared error: 4.0740 parameter: [18.12407509 1.08608181 -1.48347093
-0.1024846]

Round833-----squared error: 4.0730 parameter: [18.12544472 1.08576601 -1.4840609
-0.10279545]
Round834-----squared error: 4.0721 parameter: [18.12680749 1.08545026 -1.4846499
-0.10310527]
Round835-----squared error: 4.0711 parameter: [18.12816346 1.08513457 -1.48523795
-0.10341406]
Round836-----squared error: 4.0702 parameter: [18.12951264 1.08481894 -1.48582504
-0.10372182]
Round837-----squared error: 4.0692 parameter: [18.13085508 1.08450337 -1.48641117
-0.10402856]
Round838-----squared error: 4.0683 parameter: [18.1321908 1.08418787 -1.48699635
-0.10433428]
Round839-----squared error: 4.0674 parameter: [18.13351985 1.08387243 -1.48758058
-0.10463898]
Round840-----squared error: 4.0665 parameter: [18.13484225 1.08355705 -1.48816385
-0.10494266]
Round841-----squared error: 4.0656 parameter: [18.13615804 1.08324174 -1.48874618
-0.10524534]
Round842-----squared error: 4.0647 parameter: [18.13746725 1.08292649 -1.48932757
-0.105547]
Round843-----squared error: 4.0638 parameter: [18.13876991 1.08261131 -1.48990801
-0.10584766]
Round844-----squared error: 4.0629 parameter: [18.14006606 1.0822962 -1.49048751
-0.10614731]
Round845-----squared error: 4.0620 parameter: [18.14135573 1.08198115 -1.49106608
-0.10644597]
Round846-----squared error: 4.0612 parameter: [18.14263895 1.08166617 -1.4916437
-0.10674363]
Round847-----squared error: 4.0603 parameter: [18.14391576 1.08135126 -1.49222039
-0.10704029]
Round848-----squared error: 4.0595 parameter: [18.14518618 1.08103642 -1.49279615
-0.10733597]
Round849-----squared error: 4.0586 parameter: [18.14645025 1.08072165 -1.49337098
-0.10763065]
Round850-----squared error: 4.0578 parameter: [18.147708 1.08040695 -1.49394488
-0.10792435]
Round851-----squared error: 4.0570 parameter: [18.14895946 1.08009232 -1.49451786
-0.10821707]
Round852-----squared error: 4.0561 parameter: [18.15020466 1.07977777 -1.49508991
-0.10850881]
Round853-----squared error: 4.0553 parameter: [18.15144364 1.07946329 -1.49566104
-0.10879957]
Round854-----squared error: 4.0545 parameter: [18.15267642 1.07914888 -1.49623124
-0.10908936]
Round855-----squared error: 4.0537 parameter: [18.15390304 1.07883454 -1.49680053
-0.10937818]
Round856-----squared error: 4.0529 parameter: [18.15512352 1.07852029 -1.49736891
-0.10966603]
Round857-----squared error: 4.0521 parameter: [18.1563379 1.0782061 -1.49793637
-0.10995292]
Round858-----squared error: 4.0513 parameter: [18.15754621 1.077892 -1.49850292
-0.11023884]
Round859-----squared error: 4.0506 parameter: [18.15874848 1.07757797 -1.49906855
-0.11052381]
Round860-----squared error: 4.0498 parameter: [18.15994474 1.07726401 -1.49963328
-0.11080782]
Round861-----squared error: 4.0490 parameter: [18.16113502 1.07695014 -1.50019711
-0.11109087]
Round862-----squared error: 4.0483 parameter: [18.16231934 1.07663635 -1.50076003
-0.11137298]
Round863-----squared error: 4.0475 parameter: [18.16349774 1.07632263 -1.50132205
-0.11165414]
Round864-----squared error: 4.0468 parameter: [18.16467026 1.076009 -1.50188317
-0.11193435]

Round865-----squared error: 4.0460 parameter: [18.1658369 1.07569544 -1.50244339
-0.11221362]
Round866-----squared error: 4.0453 parameter: [18.16699772 1.07538197 -1.50300271
-0.11249195]
Round867-----squared error: 4.0446 parameter: [18.16815273 1.07506858 -1.50356114
-0.11276935]
Round868-----squared error: 4.0439 parameter: [18.16930197 1.07475528 -1.50411868
-0.11304581]
Round869-----squared error: 4.0431 parameter: [18.17044546 1.07444205 -1.50467533
-0.11332135]
Round870-----squared error: 4.0424 parameter: [18.17158323 1.07412891 -1.50523109
-0.11359595]
Round871-----squared error: 4.0417 parameter: [18.17271531 1.07381586 -1.50578597
-0.11386963]
Round872-----squared error: 4.0410 parameter: [18.17384174 1.07350289 -1.50633996
-0.11414239]
Round873-----squared error: 4.0403 parameter: [18.17496253 1.07319001 -1.50689306
-0.11441422]
Round874-----squared error: 4.0396 parameter: [18.17607772 1.07287721 -1.50744529
-0.11468514]
Round875-----squared error: 4.0390 parameter: [18.17718733 1.0725645 -1.50799664
-0.11495515]
Round876-----squared error: 4.0383 parameter: [18.17829139 1.07225188 -1.50854711
-0.11522425]
Round877-----squared error: 4.0376 parameter: [18.17938993 1.07193934 -1.50909671
-0.11549243]
Round878-----squared error: 4.0370 parameter: [18.18048298 1.0716269 -1.50964544
-0.11575971]
Round879-----squared error: 4.0363 parameter: [18.18157057 1.07131455 -1.51019329
-0.11602609]
Round880-----squared error: 4.0356 parameter: [18.18265272 1.07100228 -1.51074028
-0.11629157]
Round881-----squared error: 4.0350 parameter: [18.18372945 1.07069011 -1.5112864
-0.11655615]
Round882-----squared error: 4.0344 parameter: [18.18480081 1.07037802 -1.51183165
-0.11681984]
Round883-----squared error: 4.0337 parameter: [18.1858668 1.07006603 -1.51237604
-0.11708263]
Round884-----squared error: 4.0331 parameter: [18.18692747 1.06975414 -1.51291957
-0.11734453]
Round885-----squared error: 4.0325 parameter: [18.18798283 1.06944233 -1.51346224
-0.11760555]
Round886-----squared error: 4.0318 parameter: [18.18903292 1.06913062 -1.51400406
-0.11786568]
Round887-----squared error: 4.0312 parameter: [18.19007775 1.068819 -1.51454501
-0.11812493]
Round888-----squared error: 4.0306 parameter: [18.19111736 1.06850748 -1.51508511
-0.1183833]
Round889-----squared error: 4.0300 parameter: [18.19215178 1.06819605 -1.51562437
-0.1186408]
Round890-----squared error: 4.0294 parameter: [18.19318102 1.06788472 -1.51616277
-0.11889742]
Round891-----squared error: 4.0288 parameter: [18.19420511 1.06757349 -1.51670032
-0.11915317]
Round892-----squared error: 4.0282 parameter: [18.19522409 1.06726235 -1.51723702
-0.11940805]
Round893-----squared error: 4.0276 parameter: [18.19623797 1.06695131 -1.51777289
-0.11966207]
Round894-----squared error: 4.0270 parameter: [18.19724678 1.06664037 -1.5183079
-0.11991522]
Round895-----squared error: 4.0264 parameter: [18.19825054 1.06632952 -1.51884208
-0.12016751]
Round896-----squared error: 4.0259 parameter: [18.19924929 1.06601878 -1.51937542
-0.12041895]

Round897-----squared error: 4.0253 parameter: [18.20024304 1.06570813 -1.51990792
-0.12066953]
Round898-----squared error: 4.0247 parameter: [18.20123183 1.06539759 -1.52043958
-0.12091925]
Round899-----squared error: 4.0242 parameter: [18.20221567 1.06508715 -1.52097041
-0.12116813]
Round900-----squared error: 4.0236 parameter: [18.20319459 1.06477681 -1.52150041
-0.12141616]
Round901-----squared error: 4.0231 parameter: [18.20416862 1.06446657 -1.52202958
-0.12166334]
Round902-----squared error: 4.0225 parameter: [18.20513777 1.06415643 -1.52255792
-0.12190968]
Round903-----squared error: 4.0220 parameter: [18.20610209 1.06384639 -1.52308544
-0.12215518]
Round904-----squared error: 4.0214 parameter: [18.20706158 1.06353646 -1.52361212
-0.12239985]
Round905-----squared error: 4.0209 parameter: [18.20801627 1.06322663 -1.52413799
-0.12264368]
Round906-----squared error: 4.0204 parameter: [18.20896619 1.06291691 -1.52466303
-0.12288667]
Round907-----squared error: 4.0198 parameter: [18.20991136 1.06260729 -1.52518726
-0.12312884]
Round908-----squared error: 4.0193 parameter: [18.2108518 1.06229778 -1.52571066
-0.12337018]
Round909-----squared error: 4.0188 parameter: [18.21178754 1.06198837 -1.52623325
-0.12361069]
Round910-----squared error: 4.0183 parameter: [18.2127186 1.06167907 -1.52675503
-0.12385038]
Round911-----squared error: 4.0178 parameter: [18.21364501 1.06136988 -1.52727599
-0.12408925]
Round912-----squared error: 4.0172 parameter: [18.21456678 1.06106079 -1.52779615
-0.12432731]
Round913-----squared error: 4.0167 parameter: [18.21548395 1.06075182 -1.52831549
-0.12456455]
Round914-----squared error: 4.0162 parameter: [18.21639653 1.06044295 -1.52883402
-0.12480097]
Round915-----squared error: 4.0157 parameter: [18.21730455 1.06013419 -1.52935175
-0.12503659]
Round916-----squared error: 4.0152 parameter: [18.21820802 1.05982554 -1.52986868
-0.1252714]
Round917-----squared error: 4.0148 parameter: [18.21910698 1.059517 -1.5303848
-0.1255054]
Round918-----squared error: 4.0143 parameter: [18.22000145 1.05920857 -1.53090013
-0.12573861]
Round919-----squared error: 4.0138 parameter: [18.22089144 1.05890025 -1.53141465
-0.12597101]
Round920-----squared error: 4.0133 parameter: [18.22177699 1.05859204 -1.53192838
-0.12620261]
Round921-----squared error: 4.0128 parameter: [18.2226581 1.05828394 -1.53244131
-0.12643342]
Round922-----squared error: 4.0124 parameter: [18.22353481 1.05797596 -1.53295344
-0.12666343]
Round923-----squared error: 4.0119 parameter: [18.22440714 1.05766809 -1.53346479
-0.12689266]
Round924-----squared error: 4.0114 parameter: [18.2252751 1.05736033 -1.53397534
-0.12712109]
Round925-----squared error: 4.0110 parameter: [18.22613872 1.05705268 -1.53448511
-0.12734874]
Round926-----squared error: 4.0105 parameter: [18.22699803 1.05674515 -1.53499409
-0.12757561]
Round927-----squared error: 4.0101 parameter: [18.22785304 1.05643774 -1.53550228
-0.1278017]
Round928-----squared error: 4.0096 parameter: [18.22870378 1.05613044 -1.53600969
-0.128027]

Round929-----squared error: 4.0092 parameter: [18.22955026 1.05582325 -1.53651631
-0.12825153]
Round930-----squared error: 4.0087 parameter: [18.23039251 1.05551618 -1.53702216
-0.12847529]
Round931-----squared error: 4.0083 parameter: [18.23123054 1.05520923 -1.53752722
-0.12869828]
Round932-----squared error: 4.0079 parameter: [18.23206439 1.0549024 -1.53803151
-0.12892049]
Round933-----squared error: 4.0074 parameter: [18.23289407 1.05459568 -1.53853503
-0.12914194]
Round934-----squared error: 4.0070 parameter: [18.2337196 1.05428908 -1.53903777
-0.12936263]
Round935-----squared error: 4.0066 parameter: [18.234541 1.05398259 -1.53953973
-0.12958255]
Round936-----squared error: 4.0061 parameter: [18.23535829 1.05367623 -1.54004093
-0.12980171]
Round937-----squared error: 4.0057 parameter: [18.2361715 1.05336999 -1.54054136
-0.13002012]
Round938-----squared error: 4.0053 parameter: [18.23698065 1.05306386 -1.54104102
-0.13023777]
Round939-----squared error: 4.0049 parameter: [18.23778574 1.05275786 -1.54153991
-0.13045466]
Round940-----squared error: 4.0045 parameter: [18.23858681 1.05245197 -1.54203804
-0.13067081]
Round941-----squared error: 4.0041 parameter: [18.23938388 1.05214621 -1.54253541
-0.13088621]
Round942-----squared error: 4.0037 parameter: [18.24017696 1.05184056 -1.54303201
-0.13110086]
Round943-----squared error: 4.0033 parameter: [18.24096608 1.05153504 -1.54352786
-0.13131476]
Round944-----squared error: 4.0029 parameter: [18.24175125 1.05122964 -1.54402294
-0.13152793]
Round945-----squared error: 4.0025 parameter: [18.24253249 1.05092437 -1.54451728
-0.13174036]
Round946-----squared error: 4.0021 parameter: [18.24330983 1.05061921 -1.54501085
-0.13195205]
Round947-----squared error: 4.0017 parameter: [18.24408328 1.05031418 -1.54550367
-0.132163]
Round948-----squared error: 4.0013 parameter: [18.24485286 1.05000928 -1.54599575
-0.13237322]
Round949-----squared error: 4.0009 parameter: [18.2456186 1.04970449 -1.54648707
-0.13258271]
Round950-----squared error: 4.0005 parameter: [18.2463805 1.04939983 -1.54697764
-0.13279148]
Round951-----squared error: 4.0001 parameter: [18.2471386 1.0490953 -1.54746746
-0.13299951]
Round952-----squared error: 3.9998 parameter: [18.24789291 1.04879089 -1.54795654
-0.13320683]
Round953-----squared error: 3.9994 parameter: [18.24864344 1.04848661 -1.54844488
-0.13341342]
Round954-----squared error: 3.9990 parameter: [18.24939023 1.04818245 -1.54893247
-0.13361929]
Round955-----squared error: 3.9987 parameter: [18.25013328 1.04787842 -1.54941933
-0.13382445]
Round956-----squared error: 3.9983 parameter: [18.25087261 1.04757452 -1.54990544
-0.13402889]
Round957-----squared error: 3.9979 parameter: [18.25160825 1.04727075 -1.55039081
-0.13423262]
Round958-----squared error: 3.9976 parameter: [18.2523402 1.0469671 -1.55087545
-0.13443563]
Round959-----squared error: 3.9972 parameter: [18.2530685 1.04666358 -1.55135936
-0.13463794]
Round960-----squared error: 3.9969 parameter: [18.25379316 1.04636019 -1.55184253
-0.13483954]

Round961-----squared error: 3.9965 parameter: [18.2545142 1.04605692 -1.55232497
-0.13504044]
Round962-----squared error: 3.9961 parameter: [18.25523162 1.04575379 -1.55280668
-0.13524064]
Round963-----squared error: 3.9958 parameter: [18.25594547 1.04545079 -1.55328766
-0.13544014]
Round964-----squared error: 3.9955 parameter: [18.25665574 1.04514791 -1.55376791
-0.13563894]
Round965-----squared error: 3.9951 parameter: [18.25736246 1.04484517 -1.55424744
-0.13583704]
Round966-----squared error: 3.9948 parameter: [18.25806565 1.04454256 -1.55472624
-0.13603445]
Round967-----squared error: 3.9944 parameter: [18.25876532 1.04424007 -1.55520432
-0.13623117]
Round968-----squared error: 3.9941 parameter: [18.25946149 1.04393772 -1.55568168
-0.1364272]
Round969-----squared error: 3.9938 parameter: [18.26015419 1.0436355 -1.55615832
-0.13662254]
Round970-----squared error: 3.9934 parameter: [18.26084341 1.04333342 -1.55663424
-0.1368172]
Round971-----squared error: 3.9931 parameter: [18.2615292 1.04303146 -1.55710944
-0.13701118]
Round972-----squared error: 3.9928 parameter: [18.26221155 1.04272964 -1.55758393
-0.13720447]
Round973-----squared error: 3.9924 parameter: [18.26289049 1.04242795 -1.5580577
-0.13739709]
Round974-----squared error: 3.9921 parameter: [18.26356604 1.0421264 -1.55853077
-0.13758902]
Round975-----squared error: 3.9918 parameter: [18.26423821 1.04182498 -1.55900312
-0.13778029]
Round976-----squared error: 3.9915 parameter: [18.26490702 1.04152369 -1.55947476
-0.13797088]
Round977-----squared error: 3.9912 parameter: [18.26557249 1.04122254 -1.55994569
-0.1381608]
Round978-----squared error: 3.9909 parameter: [18.26623462 1.04092152 -1.56041592
-0.13835006]
Round979-----squared error: 3.9905 parameter: [18.26689345 1.04062064 -1.56088544
-0.13853864]
Round980-----squared error: 3.9902 parameter: [18.26754898 1.0403199 -1.56135426
-0.13872657]
Round981-----squared error: 3.9899 parameter: [18.26820124 1.04001929 -1.56182237
-0.13891383]
Round982-----squared error: 3.9896 parameter: [18.26885023 1.03971881 -1.56228979
-0.13910043]
Round983-----squared error: 3.9893 parameter: [18.26949598 1.03941848 -1.5627565
-0.13928637]
Round984-----squared error: 3.9890 parameter: [18.2701385 1.03911828 -1.56322252
-0.13947166]
Round985-----squared error: 3.9887 parameter: [18.27077781 1.03881821 -1.56368784
-0.13965629]
Round986-----squared error: 3.9884 parameter: [18.27141392 1.03851829 -1.56415246
-0.13984027]
Round987-----squared error: 3.9881 parameter: [18.27204685 1.0382185 -1.56461639
-0.1400236]
Round988-----squared error: 3.9878 parameter: [18.27267661 1.03791885 -1.56507963
-0.14020628]
Round989-----squared error: 3.9875 parameter: [18.27330323 1.03761934 -1.56554218
-0.14038832]
Round990-----squared error: 3.9873 parameter: [18.27392672 1.03731997 -1.56600404
-0.14056971]
Round991-----squared error: 3.9870 parameter: [18.27454708 1.03702074 -1.56646521
-0.14075046]
Round992-----squared error: 3.9867 parameter: [18.27516435 1.03672165 -1.56692569
-0.14093057]

Round993-----squared error: 3.9864 parameter: [18.27577852 1.0364227 -1.56738549
-0.14111004]
Round994-----squared error: 3.9861 parameter: [18.27638963 1.03612388 -1.5678446
-0.14128888]
Round995-----squared error: 3.9858 parameter: [18.27699768 1.03582521 -1.56830303
-0.14146708]
Round996-----squared error: 3.9856 parameter: [18.2776027 1.03552668 -1.56876078
-0.14164464]
Round997-----squared error: 3.9853 parameter: [18.27820468 1.03522829 -1.56921785
-0.14182158]
Round998-----squared error: 3.9850 parameter: [18.27880366 1.03493005 -1.56967424
-0.14199789]
Round999-----squared error: 3.9847 parameter: [18.27939964 1.03463194 -1.57012996
-0.14217357]
Round1000-----squared error: 3.9845 parameter: [18.27999264 1.03433397 -1.570585
-0.14234863]
Round1001-----squared error: 3.9842 parameter: [18.28058268 1.03403615 -1.5710393
6 -0.14252307]
Round1002-----squared error: 3.9839 parameter: [18.28116977 1.03373847 -1.5714930
5 -0.14269688]
Round1003-----squared error: 3.9837 parameter: [18.28175392 1.03344094 -1.5719460
7 -0.14287008]
Round1004-----squared error: 3.9834 parameter: [18.28233515 1.03314355 -1.5723984
2 -0.14304266]
Round1005-----squared error: 3.9831 parameter: [18.28291347 1.0328463 -1.5728501
-0.14321462]
Round1006-----squared error: 3.9829 parameter: [18.2834889 1.03254919 -1.5733011
1 -0.14338598]
Round1007-----squared error: 3.9826 parameter: [18.28406146 1.03225223 -1.5737514
5 -0.14355671]
Round1008-----squared error: 3.9824 parameter: [18.28463115 1.03195541 -1.5742011
3 -0.14372685]
Round1009-----squared error: 3.9821 parameter: [18.285198 1.03165874 -1.5746501
5 -0.14389637]
Round1010-----squared error: 3.9818 parameter: [18.28576201 1.03136222 -1.5750985
-0.14406529]
Round1011-----squared error: 3.9816 parameter: [18.2863232 1.03106583 -1.5755462
-0.1442336]
Round1012-----squared error: 3.9813 parameter: [18.28688158 1.0307696 -1.5759932
3 -0.14440131]
Round1013-----squared error: 3.9811 parameter: [18.28743717 1.03047351 -1.5764396
-0.14456842]
Round1014-----squared error: 3.9808 parameter: [18.28798999 1.03017756 -1.5768853
2 -0.14473494]
Round1015-----squared error: 3.9806 parameter: [18.28854004 1.02988177 -1.5773303
8 -0.14490085]
Round1016-----squared error: 3.9804 parameter: [18.28908734 1.02958612 -1.5777747
9 -0.14506618]
Round1017-----squared error: 3.9801 parameter: [18.2896319 1.02929061 -1.5782185
4 -0.14523091]
Round1018-----squared error: 3.9799 parameter: [18.29017374 1.02899526 -1.5786616
5 -0.14539505]
Round1019-----squared error: 3.9796 parameter: [18.29071287 1.02870005 -1.5791041
-0.1455586]
Round1020-----squared error: 3.9794 parameter: [18.29124931 1.02840499 -1.5795459
-0.14572156]
Round1021-----squared error: 3.9792 parameter: [18.29178306 1.02811007 -1.5799870
6 -0.14588394]
Round1022-----squared error: 3.9789 parameter: [18.29231415 1.02781531 -1.5804275
6 -0.14604573]
Round1023-----squared error: 3.9787 parameter: [18.29284257 1.02752069 -1.5808674
3 -0.14620694]
Round1024-----squared error: 3.9785 parameter: [18.29336836 1.02722623 -1.5813066
4 -0.14636758]

Round1025-----squared error: 3.9782 parameter: [18.29389152 1.02693191 -1.5817452
2 -0.14652763]
Round1026-----squared error: 3.9780 parameter: [18.29441206 1.02663774 -1.5821831
5 -0.14668711]
Round1027-----squared error: 3.9778 parameter: [18.29493 1.02634372 -1.5826204
5 -0.14684601]
Round1028-----squared error: 3.9775 parameter: [18.29544535 1.02604986 -1.5830571
-0.14700434]
Round1029-----squared error: 3.9773 parameter: [18.29595813 1.02575614 -1.5834931
2 -0.1471621]
Round1030-----squared error: 3.9771 parameter: [18.29646833 1.02546257 -1.5839285
-0.14731929]
Round1031-----squared error: 3.9769 parameter: [18.29697599 1.02516915 -1.5843632
4 -0.14747591]
Round1032-----squared error: 3.9766 parameter: [18.29748111 1.02487589 -1.5847973
5 -0.14763197]
Round1033-----squared error: 3.9764 parameter: [18.29798371 1.02458277 -1.5852308
3 -0.14778746]
Round1034-----squared error: 3.9762 parameter: [18.29848379 1.02428981 -1.5856636
8 -0.14794239]
Round1035-----squared error: 3.9760 parameter: [18.29898137 1.023997 -1.5860958
9 -0.14809676]
Round1036-----squared error: 3.9758 parameter: [18.29947646 1.02370434 -1.5865274
8 -0.14825057]
Round1037-----squared error: 3.9756 parameter: [18.29996908 1.02341183 -1.5869584
4 -0.14840383]
Round1038-----squared error: 3.9753 parameter: [18.30045924 1.02311947 -1.5873887
7 -0.14855653]
Round1039-----squared error: 3.9751 parameter: [18.30094694 1.02282727 -1.5878184
8 -0.14870867]
Round1040-----squared error: 3.9749 parameter: [18.3014322 1.02253522 -1.5882475
7 -0.14886027]
Round1041-----squared error: 3.9747 parameter: [18.30191504 1.02224332 -1.5886760
3 -0.14901131]
Round1042-----squared error: 3.9745 parameter: [18.30239547 1.02195158 -1.5891038
7 -0.1491618]
Round1043-----squared error: 3.9743 parameter: [18.30287349 1.02165999 -1.5895310
8 -0.14931175]
Round1044-----squared error: 3.9741 parameter: [18.30334912 1.02136856 -1.5899576
8 -0.14946115]
Round1045-----squared error: 3.9739 parameter: [18.30382238 1.02107728 -1.5903836
7 -0.14961001]
Round1046-----squared error: 3.9737 parameter: [18.30429327 1.02078615 -1.5908090
3 -0.14975833]
Round1047-----squared error: 3.9735 parameter: [18.3047618 1.02049518 -1.5912337
8 -0.14990611]
Round1048-----squared error: 3.9733 parameter: [18.30522799 1.02020436 -1.5916579
1 -0.15005335]
Round1049-----squared error: 3.9731 parameter: [18.30569185 1.0199137 -1.5920814
4 -0.15020005]
Round1050-----squared error: 3.9729 parameter: [18.30615339 1.01962319 -1.5925043
5 -0.15034622]
Round1051-----squared error: 3.9727 parameter: [18.30661262 1.01933284 -1.5929266
4 -0.15049185]
Round1052-----squared error: 3.9725 parameter: [18.30706956 1.01904264 -1.5933483
3 -0.15063695]
Round1053-----squared error: 3.9723 parameter: [18.30752421 1.0187526 -1.5937694
2 -0.15078153]
Round1054-----squared error: 3.9721 parameter: [18.30797659 1.01846272 -1.5941898
9 -0.15092557]
Round1055-----squared error: 3.9719 parameter: [18.30842671 1.01817299 -1.5946097
6 -0.15106909]
Round1056-----squared error: 3.9717 parameter: [18.30887458 1.01788342 -1.5950290
2 -0.15121208]

Round1057-----squared error: 3.9715 parameter: [18.3093202 1.017594 -1.5954476
 8 -0.15135455]
 Round1058-----squared error: 3.9713 parameter: [18.3097636 1.01730475 -1.5958657
 4 -0.15149649]
 Round1059-----squared error: 3.9711 parameter: [18.31020478 1.01701565 -1.5962831
 9 -0.15163792]
 Round1060-----squared error: 3.9710 parameter: [18.31064376 1.0167267 -1.5967000
 5 -0.15177883]
 Round1061-----squared error: 3.9708 parameter: [18.31108054 1.01643792 -1.5971163
 -0.15191922]
 Round1062-----squared error: 3.9706 parameter: [18.31151514 1.01614929 -1.5975319
 6 -0.15205909]
 Round1063-----squared error: 3.9704 parameter: [18.31194756 1.01586082 -1.5979470
 2 -0.15219846]
 Round1064-----squared error: 3.9702 parameter: [18.31237783 1.01557251 -1.5983614
 9 -0.1523373]
 Round1065-----squared error: 3.9700 parameter: [18.31280594 1.01528436 -1.5987753
 6 -0.15247564]
 Round1066-----squared error: 3.9699 parameter: [18.31323191 1.01499637 -1.5991886
 4 -0.15261347]
 Round1067-----squared error: 3.9697 parameter: [18.31365575 1.01470853 -1.5996013
 3 -0.1527508]
 Round1068-----squared error: 3.9695 parameter: [18.31407747 1.01442086 -1.6000134
 2 -0.15288761]
 Round1069-----squared error: 3.9693 parameter: [18.31449708 1.01413334 -1.6004249
 3 -0.15302392]
 Round1070-----squared error: 3.9691 parameter: [18.3149146 1.01384598 -1.6008358
 5 -0.15315973]
 Round1071-----squared error: 3.9690 parameter: [18.31533002 1.01355879 -1.6012461
 8 -0.15329504]
 Round1072-----squared error: 3.9688 parameter: [18.31574337 1.01327175 -1.6016559
 2 -0.15342985]
 Round1073-----squared error: 3.9686 parameter: [18.31615466 1.01298487 -1.6020650
 8 -0.15356416]
 Round1074-----squared error: 3.9684 parameter: [18.31656388 1.01269815 -1.6024736
 6 -0.15369798]
 Round1075-----squared error: 3.9683 parameter: [18.31697106 1.0124116 -1.6028816
 5 -0.15383129]
 Round1076-----squared error: 3.9681 parameter: [18.31737621 1.0121252 -1.6032890
 6 -0.15396412]
 Round1077-----squared error: 3.9679 parameter: [18.31777933 1.01183897 -1.6036958
 9 -0.15409645]
 Round1078-----squared error: 3.9678 parameter: [18.31818043 1.01155289 -1.6041021
 4 -0.1542283]
 Round1079-----squared error: 3.9676 parameter: [18.31857953 1.01126698 -1.6045078
 1 -0.15435965]
 Round1080-----squared error: 3.9674 parameter: [18.31897663 1.01098123 -1.6049129
 -0.15449052]
 Round1081-----squared error: 3.9673 parameter: [18.31937175 1.01069564 -1.6053174
 2 -0.1546209]
 Round1082-----squared error: 3.9671 parameter: [18.31976489 1.01041021 -1.6057213
 6 -0.1547508]
 Round1083-----squared error: 3.9669 parameter: [18.32015606 1.01012495 -1.6061247
 3 -0.15488021]
 Round1084-----squared error: 3.9668 parameter: [18.32054528 1.00983984 -1.6065275
 3 -0.15500915]
 Round1085-----squared error: 3.9666 parameter: [18.32093256 1.0095549 -1.6069297
 5 -0.1551376]
 Round1086-----squared error: 3.9664 parameter: [18.32131789 1.00927012 -1.6073314
 -0.15526558]
 Round1087-----squared error: 3.9663 parameter: [18.3217013 1.00898551 -1.6077324
 9 -0.15539308]
 Round1088-----squared error: 3.9661 parameter: [18.3220828 1.00870105 -1.608133
 -0.1555201]

Round1089-----squared error: 3.9659 parameter: [18.32246238 1.00841676 -1.6085329
 5 -0.15564665]
 Round1090-----squared error: 3.9658 parameter: [18.32284007 1.00813263 -1.6089323
 3 -0.15577273]
 Round1091-----squared error: 3.9656 parameter: [18.32321587 1.00784867 -1.6093311
 4 -0.15589834]
 Round1092-----squared error: 3.9655 parameter: [18.32358979 1.00756487 -1.6097294
 -0.15602347]
 Round1093-----squared error: 3.9653 parameter: [18.32396184 1.00728123 -1.6101270
 8 -0.15614814]
 Round1094-----squared error: 3.9652 parameter: [18.32433203 1.00699776 -1.6105242
 1 -0.15627235]
 Round1095-----squared error: 3.9650 parameter: [18.32470037 1.00671445 -1.6109207
 7 -0.15639609]
 Round1096-----squared error: 3.9648 parameter: [18.32506687 1.00643131 -1.6113167
 8 -0.15651936]
 Round1097-----squared error: 3.9647 parameter: [18.32543154 1.00614833 -1.6117122
 3 -0.15664217]
 Round1098-----squared error: 3.9645 parameter: [18.32579438 1.00586551 -1.6121071
 1 -0.15676453]
 Round1099-----squared error: 3.9644 parameter: [18.32615541 1.00558286 -1.6125014
 5 -0.15688642]
 Round1100-----squared error: 3.9642 parameter: [18.32651463 1.00530037 -1.6128952
 2 -0.15700786]
 Round1101-----squared error: 3.9641 parameter: [18.32687206 1.00501805 -1.6132884
 4 -0.15712884]
 Round1102-----squared error: 3.9639 parameter: [18.3272277 1.0047359 -1.6136811
 1 -0.15724936]
 Round1103-----squared error: 3.9638 parameter: [18.32758156 1.00445391 -1.6140732
 3 -0.15736943]
 Round1104-----squared error: 3.9636 parameter: [18.32793365 1.00417208 -1.6144647
 9 -0.15748905]
 Round1105-----squared error: 3.9635 parameter: [18.32828398 1.00389042 -1.6148558
 -0.15760822]
 Round1106-----squared error: 3.9633 parameter: [18.32863256 1.00360893 -1.6152462
 7 -0.15772694]
 Round1107-----squared error: 3.9632 parameter: [18.3289794 1.0033276 -1.6156361
 8 -0.15784521]
 Round1108-----squared error: 3.9631 parameter: [18.3293245 1.00304644 -1.6160255
 5 -0.15796304]
 Round1109-----squared error: 3.9629 parameter: [18.32966788 1.00276545 -1.6164143
 7 -0.15808042]
 Round1110-----squared error: 3.9628 parameter: [18.33000954 1.00248462 -1.6168026
 5 -0.15819735]
 Round1111-----squared error: 3.9626 parameter: [18.33034949 1.00220396 -1.6171903
 8 -0.15831385]
 Round1112-----squared error: 3.9625 parameter: [18.33068775 1.00192346 -1.6175775
 7 -0.1584299]
 Round1113-----squared error: 3.9623 parameter: [18.33102431 1.00164313 -1.6179642
 2 -0.15854552]
 Round1114-----squared error: 3.9622 parameter: [18.33135919 1.00136297 -1.6183503
 2 -0.15866069]
 Round1115-----squared error: 3.9621 parameter: [18.33169239 1.00108298 -1.6187358
 9 -0.15877543]
 Round1116-----squared error: 3.9619 parameter: [18.33202393 1.00080315 -1.6191209
 2 -0.15888974]
 Round1117-----squared error: 3.9618 parameter: [18.33235381 1.00052349 -1.6195054
 1 -0.15900361]
 Round1118-----squared error: 3.9616 parameter: [18.33268204 1.000244 -1.6198893
 6 -0.15911705]
 Round1119-----squared error: 3.9615 parameter: [18.33300863 0.99996467 -1.6202727
 7 -0.15923005]
 Round1120-----squared error: 3.9614 parameter: [18.33333359 0.99968552 -1.6206556
 5 -0.15934263]

Round1121-----squared error: 3.9612 parameter: [18.33365692 0.99940653 -1.621038
-0.15945478]
Round1122-----squared error: 3.9611 parameter: [18.33397863 0.99912771 -1.6214198
1 -0.1595665]
Round1123-----squared error: 3.9610 parameter: [18.33429874 0.99884906 -1.6218010
9 -0.1596778]
Round1124-----squared error: 3.9608 parameter: [18.33461725 0.99857057 -1.6221818
4 -0.15978867]
Round1125-----squared error: 3.9607 parameter: [18.33493416 0.99829226 -1.6225620
6 -0.15989912]
Round1126-----squared error: 3.9606 parameter: [18.33524949 0.99801411 -1.6229417
5 -0.16000914]
Round1127-----squared error: 3.9604 parameter: [18.33556324 0.99773614 -1.6233209
2 -0.16011875]
Round1128-----squared error: 3.9603 parameter: [18.33587543 0.99745833 -1.6236995
5 -0.16022794]
Round1129-----squared error: 3.9602 parameter: [18.33618605 0.99718069 -1.6240776
6 -0.16033671]
Round1130-----squared error: 3.9600 parameter: [18.33649512 0.99690322 -1.6244552
5 -0.16044506]
Round1131-----squared error: 3.9599 parameter: [18.33680264 0.99662592 -1.6248323
1 -0.160553]
Round1132-----squared error: 3.9598 parameter: [18.33710863 0.99634879 -1.6252088
5 -0.16066052]
Round1133-----squared error: 3.9596 parameter: [18.33741309 0.99607182 -1.6255848
6 -0.16076763]
Round1134-----squared error: 3.9595 parameter: [18.33771602 0.99579503 -1.6259603
5 -0.16087433]
Round1135-----squared error: 3.9594 parameter: [18.33801744 0.99551841 -1.6263353
3 -0.16098062]
Round1136-----squared error: 3.9593 parameter: [18.33831735 0.99524196 -1.6267097
8 -0.1610865]
Round1137-----squared error: 3.9591 parameter: [18.33861577 0.99496568 -1.6270837
2 -0.16119198]
Round1138-----squared error: 3.9590 parameter: [18.33891269 0.99468956 -1.6274571
4 -0.16129704]
Round1139-----squared error: 3.9589 parameter: [18.33920813 0.99441362 -1.6278300
4 -0.16140171]
Round1140-----squared error: 3.9588 parameter: [18.33950208 0.99413785 -1.6282024
3 -0.16150596]
Round1141-----squared error: 3.9586 parameter: [18.33979457 0.99386225 -1.6285743
-0.16160982]
Round1142-----squared error: 3.9585 parameter: [18.3400856 0.99358682 -1.6289456
6 -0.16171328]
Round1143-----squared error: 3.9584 parameter: [18.34037517 0.99331156 -1.6293165
-0.16181633]
Round1144-----squared error: 3.9583 parameter: [18.3406633 0.99303647 -1.6296868
4 -0.16191899]
Round1145-----squared error: 3.9581 parameter: [18.34094998 0.99276156 -1.6300566
6 -0.16202125]
Round1146-----squared error: 3.9580 parameter: [18.34123523 0.99248681 -1.6304259
8 -0.16212312]
Round1147-----squared error: 3.9579 parameter: [18.34151905 0.99221224 -1.6307947
8 -0.16222459]
Round1148-----squared error: 3.9578 parameter: [18.34180146 0.99193783 -1.6311630
8 -0.16232566]
Round1149-----squared error: 3.9577 parameter: [18.34208245 0.9916636 -1.6315308
7 -0.16242635]
Round1150-----squared error: 3.9575 parameter: [18.34236204 0.99138954 -1.6318981
6 -0.16252664]
Round1151-----squared error: 3.9574 parameter: [18.34264023 0.99111565 -1.6322649
4 -0.16262654]
Round1152-----squared error: 3.9573 parameter: [18.34291703 0.99084193 -1.6326312
1 -0.16272606]

Round1153-----squared error: 3.9572 parameter: [18.34319244 0.99056839 -1.6329969
 9 -0.16282518]
 Round1154-----squared error: 3.9571 parameter: [18.34346648 0.99029502 -1.6333622
 6 -0.16292392]
 Round1155-----squared error: 3.9570 parameter: [18.34373915 0.99002182 -1.6337270
 3 -0.16302228]
 Round1156-----squared error: 3.9568 parameter: [18.34401045 0.98974879 -1.6340912
 9 -0.16312025]
 Round1157-----squared error: 3.9567 parameter: [18.3442804 0.98947593 -1.6344550
 6 -0.16321784]
 Round1158-----squared error: 3.9566 parameter: [18.344549 0.98920325 -1.6348183
 4 -0.16331505]
 Round1159-----squared error: 3.9565 parameter: [18.34481625 0.98893074 -1.6351811
 1 -0.16341188]
 Round1160-----squared error: 3.9564 parameter: [18.34508217 0.9886584 -1.6355433
 8 -0.16350833]
 Round1161-----squared error: 3.9563 parameter: [18.34534676 0.98838623 -1.6359051
 7 -0.1636044]
 Round1162-----squared error: 3.9562 parameter: [18.34561003 0.98811424 -1.6362664
 5 -0.1637001]
 Round1163-----squared error: 3.9560 parameter: [18.34587198 0.98784242 -1.6366272
 4 -0.16379542]
 Round1164-----squared error: 3.9559 parameter: [18.34613262 0.98757077 -1.6369875
 4 -0.16389037]
 Round1165-----squared error: 3.9558 parameter: [18.34639195 0.9872993 -1.6373473
 5 -0.16398494]
 Round1166-----squared error: 3.9557 parameter: [18.34664999 0.987028 -1.6377066
 6 -0.16407914]
 Round1167-----squared error: 3.9556 parameter: [18.34690675 0.98675687 -1.6380654
 9 -0.16417298]
 Round1168-----squared error: 3.9555 parameter: [18.34716221 0.98648592 -1.6384238
 3 -0.16426644]
 Round1169-----squared error: 3.9554 parameter: [18.3474164 0.98621514 -1.6387816
 7 -0.16435953]
 Round1170-----squared error: 3.9553 parameter: [18.34766932 0.98594453 -1.6391390
 3 -0.16445226]
 Round1171-----squared error: 3.9552 parameter: [18.34792097 0.9856741 -1.6394959
 -0.16454462]
 Round1172-----squared error: 3.9550 parameter: [18.34817137 0.98540384 -1.6398522
 9 -0.16463662]
 Round1173-----squared error: 3.9549 parameter: [18.34842051 0.98513375 -1.6402081
 9 -0.16472825]
 Round1174-----squared error: 3.9548 parameter: [18.34866841 0.98486384 -1.6405636
 1 -0.16481952]
 Round1175-----squared error: 3.9547 parameter: [18.34891507 0.9845941 -1.6409185
 4 -0.16491043]
 Round1176-----squared error: 3.9546 parameter: [18.34916049 0.98432454 -1.641273
 -0.16500098]
 Round1177-----squared error: 3.9545 parameter: [18.34940469 0.98405515 -1.6416269
 7 -0.16509117]
 Round1178-----squared error: 3.9544 parameter: [18.34964766 0.98378593 -1.6419804
 6 -0.16518101]
 Round1179-----squared error: 3.9543 parameter: [18.34988943 0.98351689 -1.6423334
 7 -0.16527048]
 Round1180-----squared error: 3.9542 parameter: [18.35012998 0.98324803 -1.642686
 -0.1653596]
 Round1181-----squared error: 3.9541 parameter: [18.35036933 0.98297933 -1.6430380
 5 -0.16544837]
 Round1182-----squared error: 3.9540 parameter: [18.35060748 0.98271082 -1.6433896
 3 -0.16553678]
 Round1183-----squared error: 3.9539 parameter: [18.35084444 0.98244248 -1.6437407
 3 -0.16562484]
 Round1184-----squared error: 3.9538 parameter: [18.35108022 0.98217431 -1.6440913
 5 -0.16571255]

Round1185-----squared error: 3.9537 parameter: [18.35131482 0.98190631 -1.6444415
-0.16579991]
Round1186-----squared error: 3.9536 parameter: [18.35154825 0.9816385 -1.6447911
8 -0.16588693]
Round1187-----squared error: 3.9535 parameter: [18.35178051 0.98137085 -1.6451403
8 -0.16597359]
Round1188-----squared error: 3.9534 parameter: [18.3520116 0.98110339 -1.6454891
1 -0.16605991]
Round1189-----squared error: 3.9533 parameter: [18.35224155 0.98083609 -1.6458373
7 -0.16614588]
Round1190-----squared error: 3.9532 parameter: [18.35247034 0.98056898 -1.6461851
6 -0.1662315]
Round1191-----squared error: 3.9531 parameter: [18.35269799 0.98030204 -1.6465324
8 -0.16631679]
Round1192-----squared error: 3.9530 parameter: [18.3529245 0.98003527 -1.6468793
4 -0.16640173]
Round1193-----squared error: 3.9529 parameter: [18.35314987 0.97976868 -1.6472257
2 -0.16648633]
Round1194-----squared error: 3.9528 parameter: [18.35337412 0.97950226 -1.6475716
4 -0.16657059]
Round1195-----squared error: 3.9527 parameter: [18.35359725 0.97923602 -1.6479170
9 -0.16665451]
Round1196-----squared error: 3.9526 parameter: [18.35381927 0.97896996 -1.6482620
8 -0.1667381]
Round1197-----squared error: 3.9525 parameter: [18.35404017 0.97870407 -1.6486066
-0.16682135]
Round1198-----squared error: 3.9524 parameter: [18.35425997 0.97843836 -1.6489506
6 -0.16690426]
Round1199-----squared error: 3.9523 parameter: [18.35447867 0.97817282 -1.6492942
5 -0.16698683]
Round1200-----squared error: 3.9522 parameter: [18.35469628 0.97790746 -1.6496373
9 -0.16706908]
Round1201-----squared error: 3.9521 parameter: [18.3549128 0.97764227 -1.6499800
6 -0.16715099]
Round1202-----squared error: 3.9520 parameter: [18.35512823 0.97737726 -1.6503222
7 -0.16723257]
Round1203-----squared error: 3.9519 parameter: [18.35534259 0.97711243 -1.6506640
3 -0.16731382]
Round1204-----squared error: 3.9518 parameter: [18.35555588 0.97684778 -1.6510053
2 -0.16739474]
Round1205-----squared error: 3.9517 parameter: [18.3557681 0.9765833 -1.6513461
6 -0.16747533]
Round1206-----squared error: 3.9516 parameter: [18.35597926 0.97631899 -1.6516865
4 -0.16755559]
Round1207-----squared error: 3.9515 parameter: [18.35618936 0.97605486 -1.6520264
6 -0.16763553]
Round1208-----squared error: 3.9514 parameter: [18.35639841 0.97579091 -1.6523659
3 -0.16771514]
Round1209-----squared error: 3.9513 parameter: [18.35660642 0.97552714 -1.6527049
5 -0.16779443]
Round1210-----squared error: 3.9512 parameter: [18.35681339 0.97526354 -1.6530435
1 -0.1678734]
Round1211-----squared error: 3.9511 parameter: [18.35701932 0.97500012 -1.6533816
2 -0.16795204]
Round1212-----squared error: 3.9511 parameter: [18.35722423 0.97473687 -1.6537192
7 -0.16803036]
Round1213-----squared error: 3.9510 parameter: [18.35742811 0.97447381 -1.6540564
8 -0.16810837]
Round1214-----squared error: 3.9509 parameter: [18.35763097 0.97421091 -1.6543932
3 -0.16818605]
Round1215-----squared error: 3.9508 parameter: [18.35783281 0.9739482 -1.6547295
4 -0.16826342]
Round1216-----squared error: 3.9507 parameter: [18.35803365 0.97368566 -1.6550653
9 -0.16834047]

Round1217-----squared error: 3.9506 parameter: [18.35823348 0.9734233 -1.6554008
-0.1684172]
Round1218-----squared error: 3.9505 parameter: [18.35843231 0.97316112 -1.6557357
6 -0.16849362]
Round1219-----squared error: 3.9504 parameter: [18.35863015 0.97289911 -1.6560702
8 -0.16856972]
Round1220-----squared error: 3.9503 parameter: [18.358827 0.97263728 -1.6564043
5 -0.16864551]
Round1221-----squared error: 3.9502 parameter: [18.35902286 0.97237563 -1.6567379
7 -0.16872099]
Round1222-----squared error: 3.9501 parameter: [18.35921775 0.97211416 -1.6570711
5 -0.16879616]
Round1223-----squared error: 3.9501 parameter: [18.35941166 0.97185286 -1.6574038
9 -0.16887102]
Round1224-----squared error: 3.9500 parameter: [18.3596046 0.97159174 -1.6577361
8 -0.16894557]
Round1225-----squared error: 3.9499 parameter: [18.35979658 0.9713308 -1.6580680
3 -0.16901981]
Round1226-----squared error: 3.9498 parameter: [18.3599876 0.97107003 -1.6583994
5 -0.16909375]
Round1227-----squared error: 3.9497 parameter: [18.36017766 0.97080944 -1.6587304
2 -0.16916738]
Round1228-----squared error: 3.9496 parameter: [18.36036677 0.97054903 -1.6590609
5 -0.1692407]
Round1229-----squared error: 3.9495 parameter: [18.36055494 0.9702888 -1.6593910
4 -0.16931372]
Round1230-----squared error: 3.9494 parameter: [18.36074216 0.97002874 -1.6597207
-0.16938644]
Round1231-----squared error: 3.9494 parameter: [18.36092845 0.96976886 -1.6600499
2 -0.16945885]
Round1232-----squared error: 3.9493 parameter: [18.36111381 0.96950916 -1.6603787
-0.16953097]
Round1233-----squared error: 3.9492 parameter: [18.36129824 0.96924964 -1.6607070
5 -0.16960278]
Round1234-----squared error: 3.9491 parameter: [18.36148175 0.9689903 -1.6610349
6 -0.1696743]
Round1235-----squared error: 3.9490 parameter: [18.36166434 0.96873113 -1.6613624
4 -0.16974552]
Round1236-----squared error: 3.9489 parameter: [18.36184602 0.96847214 -1.6616894
9 -0.16981644]
Round1237-----squared error: 3.9488 parameter: [18.36202679 0.96821333 -1.6620161
-0.16988706]
Round1238-----squared error: 3.9488 parameter: [18.36220665 0.9679547 -1.6623422
8 -0.16995739]
Round1239-----squared error: 3.9487 parameter: [18.36238562 0.96769624 -1.6626680
3 -0.17002742]
Round1240-----squared error: 3.9486 parameter: [18.36256369 0.96743797 -1.6629933
5 -0.17009716]
Round1241-----squared error: 3.9485 parameter: [18.36274087 0.96717987 -1.6633182
5 -0.17016661]
Round1242-----squared error: 3.9484 parameter: [18.36291717 0.96692194 -1.6636427
1 -0.17023577]
Round1243-----squared error: 3.9483 parameter: [18.36309258 0.9666642 -1.6639667
4 -0.17030463]
Round1244-----squared error: 3.9483 parameter: [18.36326712 0.96640664 -1.6642903
5 -0.17037321]
Round1245-----squared error: 3.9482 parameter: [18.36344078 0.96614925 -1.6646135
3 -0.1704415]
Round1246-----squared error: 3.9481 parameter: [18.36361358 0.96589204 -1.6649362
9 -0.1705095]
Round1247-----squared error: 3.9480 parameter: [18.36378551 0.96563501 -1.6652586
2 -0.17057721]
Round1248-----squared error: 3.9479 parameter: [18.36395659 0.96537816 -1.6655805
3 -0.17064464]

Round1249-----squared error: 3.9479 parameter: [18.3641268 0.96512149 -1.6659020
1 -0.17071178]
Round1250-----squared error: 3.9478 parameter: [18.36429617 0.96486499 -1.6662230
7 -0.17077863]
Round1251-----squared error: 3.9477 parameter: [18.36446469 0.96460867 -1.6665437
1 -0.17084521]
Round1252-----squared error: 3.9476 parameter: [18.36463236 0.96435254 -1.6668639
3 -0.1709115]
Round1253-----squared error: 3.9475 parameter: [18.3647992 0.96409658 -1.6671837
3 -0.17097751]
Round1254-----squared error: 3.9475 parameter: [18.36496521 0.96384079 -1.6675031
-0.17104324]
Round1255-----squared error: 3.9474 parameter: [18.36513038 0.96358519 -1.6678220
6 -0.17110869]
Round1256-----squared error: 3.9473 parameter: [18.36529473 0.96332977 -1.6681406
-0.17117387]
Round1257-----squared error: 3.9472 parameter: [18.36545825 0.96307452 -1.6684587
3 -0.17123876]
Round1258-----squared error: 3.9471 parameter: [18.36562096 0.96281945 -1.6687764
3 -0.17130338]
Round1259-----squared error: 3.9471 parameter: [18.36578286 0.96256457 -1.6690937
2 -0.17136772]
Round1260-----squared error: 3.9470 parameter: [18.36594394 0.96230986 -1.6694106
-0.17143179]
Round1261-----squared error: 3.9469 parameter: [18.36610422 0.96205532 -1.6697270
6 -0.17149558]
Round1262-----squared error: 3.9468 parameter: [18.3662637 0.96180097 -1.6700431
1 -0.1715591]
Round1263-----squared error: 3.9468 parameter: [18.36642239 0.9615468 -1.6703587
4 -0.17162235]
Round1264-----squared error: 3.9467 parameter: [18.36658027 0.9612928 -1.6706739
6 -0.17168532]
Round1265-----squared error: 3.9466 parameter: [18.36673737 0.96103899 -1.6709887
7 -0.17174803]
Round1266-----squared error: 3.9465 parameter: [18.36689369 0.96078535 -1.6713031
7 -0.17181046]
Round1267-----squared error: 3.9464 parameter: [18.36704922 0.96053189 -1.6716171
6 -0.17187263]
Round1268-----squared error: 3.9464 parameter: [18.36720397 0.96027861 -1.6719307
4 -0.17193453]
Round1269-----squared error: 3.9463 parameter: [18.36735795 0.96002551 -1.6722439
-0.17199616]
Round1270-----squared error: 3.9462 parameter: [18.36751116 0.95977258 -1.6725566
7 -0.17205752]
Round1271-----squared error: 3.9461 parameter: [18.36766361 0.95951984 -1.6728690
2 -0.17211862]
Round1272-----squared error: 3.9461 parameter: [18.36781529 0.95926728 -1.6731809
7 -0.17217946]
Round1273-----squared error: 3.9460 parameter: [18.36796621 0.95901489 -1.6734925
1 -0.17224003]
Round1274-----squared error: 3.9459 parameter: [18.36811638 0.95876268 -1.6738036
4 -0.17230034]
Round1275-----squared error: 3.9458 parameter: [18.3682658 0.95851065 -1.6741143
8 -0.17236038]
Round1276-----squared error: 3.9458 parameter: [18.36841447 0.95825881 -1.6744247
-0.17242017]
Round1277-----squared error: 3.9457 parameter: [18.3685624 0.95800714 -1.6747346
3 -0.17247969]
Round1278-----squared error: 3.9456 parameter: [18.36870958 0.95775564 -1.6750441
5 -0.17253896]
Round1279-----squared error: 3.9455 parameter: [18.36885604 0.95750433 -1.6753532
7 -0.17259796]
Round1280-----squared error: 3.9455 parameter: [18.36900176 0.9572532 -1.6756619
9 -0.17265671]

Round1281-----squared error: 3.9454 parameter: [18.36914675 0.95700224 -1.6759703
-0.1727152]
Round1282-----squared error: 3.9453 parameter: [18.36929101 0.95675147 -1.6762782
2 -0.17277344]
Round1283-----squared error: 3.9453 parameter: [18.36943456 0.95650087 -1.6765857
4 -0.17283142]
Round1284-----squared error: 3.9452 parameter: [18.36957739 0.95625046 -1.6768928
6 -0.17288914]
Round1285-----squared error: 3.9451 parameter: [18.3697195 0.95600022 -1.6771995
9 -0.17294662]
Round1286-----squared error: 3.9450 parameter: [18.3698609 0.95575016 -1.6775059
1 -0.17300384]
Round1287-----squared error: 3.9450 parameter: [18.3700016 0.95550028 -1.6778118
4 -0.1730608]
Round1288-----squared error: 3.9449 parameter: [18.37014159 0.95525058 -1.6781173
7 -0.17311752]
Round1289-----squared error: 3.9448 parameter: [18.37028088 0.95500106 -1.6784225
1 -0.17317398]
Round1290-----squared error: 3.9448 parameter: [18.37041948 0.95475171 -1.6787272
6 -0.1732302]
Round1291-----squared error: 3.9447 parameter: [18.37055738 0.95450255 -1.6790316
1 -0.17328617]
Round1292-----squared error: 3.9446 parameter: [18.37069459 0.95425357 -1.6793355
7 -0.17334189]
Round1293-----squared error: 3.9445 parameter: [18.37083112 0.95400476 -1.6796391
3 -0.17339736]
Round1294-----squared error: 3.9445 parameter: [18.37096696 0.95375614 -1.6799423
1 -0.17345259]
Round1295-----squared error: 3.9444 parameter: [18.37110213 0.95350769 -1.6802450
9 -0.17350757]
Round1296-----squared error: 3.9443 parameter: [18.37123662 0.95325942 -1.6805474
8 -0.1735623]
Round1297-----squared error: 3.9443 parameter: [18.37137044 0.95301133 -1.6808494
8 -0.17361679]
Round1298-----squared error: 3.9442 parameter: [18.37150358 0.95276342 -1.6811511
-0.17367104]
Round1299-----squared error: 3.9441 parameter: [18.37163607 0.95251569 -1.6814523
2 -0.17372505]
Round1300-----squared error: 3.9441 parameter: [18.37176788 0.95226814 -1.6817531
6 -0.17377881]
Round1301-----squared error: 3.9440 parameter: [18.37189905 0.95202077 -1.6820536
1 -0.17383234]
Round1302-----squared error: 3.9439 parameter: [18.37202955 0.95177358 -1.6823536
8 -0.17388562]
Round1303-----squared error: 3.9439 parameter: [18.3721594 0.95152656 -1.6826533
5 -0.17393867]
Round1304-----squared error: 3.9438 parameter: [18.37228861 0.95127973 -1.6829526
5 -0.17399147]
Round1305-----squared error: 3.9437 parameter: [18.37241716 0.95103307 -1.6832515
6 -0.17404404]
Round1306-----squared error: 3.9437 parameter: [18.37254508 0.9507866 -1.6835500
8 -0.17409638]
Round1307-----squared error: 3.9436 parameter: [18.37267235 0.9505403 -1.6838482
3 -0.17414847]
Round1308-----squared error: 3.9435 parameter: [18.37279899 0.95029418 -1.6841459
9 -0.17420033]
Round1309-----squared error: 3.9434 parameter: [18.37292499 0.95004825 -1.6844433
6 -0.17425196]
Round1310-----squared error: 3.9434 parameter: [18.37305037 0.94980249 -1.6847403
6 -0.17430335]
Round1311-----squared error: 3.9433 parameter: [18.37317512 0.94955691 -1.6850369
8 -0.17435451]
Round1312-----squared error: 3.9433 parameter: [18.37329924 0.9493115 -1.6853332
2 -0.17440544]

Round1313-----squared error: 3.9432 parameter: [18.37342275 0.94906628 -1.6856290
7 -0.17445613]
Round1314-----squared error: 3.9431 parameter: [18.37354563 0.94882124 -1.6859245
5 -0.1745066]
Round1315-----squared error: 3.9431 parameter: [18.3736679 0.94857638 -1.6862196
5 -0.17455683]
Round1316-----squared error: 3.9430 parameter: [18.37378956 0.94833169 -1.6865143
8 -0.17460684]
Round1317-----squared error: 3.9429 parameter: [18.37391062 0.94808719 -1.6868087
3 -0.17465662]
Round1318-----squared error: 3.9429 parameter: [18.37403106 0.94784286 -1.6871027
-0.17470616]
Round1319-----squared error: 3.9428 parameter: [18.37415091 0.94759871 -1.6873962
9 -0.17475549]
Round1320-----squared error: 3.9427 parameter: [18.37427015 0.94735474 -1.6876895
1 -0.17480458]
Round1321-----squared error: 3.9427 parameter: [18.3743888 0.94711096 -1.6879823
6 -0.17485345]
Round1322-----squared error: 3.9426 parameter: [18.37450686 0.94686735 -1.6882748
3 -0.1749021]
Round1323-----squared error: 3.9425 parameter: [18.37462432 0.94662391 -1.6885669
4 -0.17495052]
Round1324-----squared error: 3.9425 parameter: [18.3747412 0.94638066 -1.6888586
6 -0.17499872]
Round1325-----squared error: 3.9424 parameter: [18.3748575 0.94613759 -1.6891500
2 -0.1750467]
Round1326-----squared error: 3.9423 parameter: [18.37497321 0.9458947 -1.6894410
1 -0.17509445]
Round1327-----squared error: 3.9423 parameter: [18.37508834 0.94565198 -1.6897316
2 -0.17514198]
Round1328-----squared error: 3.9422 parameter: [18.3752029 0.94540945 -1.6900218
7 -0.1751893]
Round1329-----squared error: 3.9422 parameter: [18.37531689 0.94516709 -1.6903117
4 -0.17523639]
Round1330-----squared error: 3.9421 parameter: [18.3754303 0.94492491 -1.6906012
5 -0.17528326]
Round1331-----squared error: 3.9420 parameter: [18.37554315 0.94468291 -1.6908903
9 -0.17532992]
Round1332-----squared error: 3.9420 parameter: [18.37565544 0.94444109 -1.6911791
7 -0.17537636]
Round1333-----squared error: 3.9419 parameter: [18.37576716 0.94419945 -1.6914675
7 -0.17542258]
Round1334-----squared error: 3.9418 parameter: [18.37587832 0.94395799 -1.6917556
1 -0.17546859]
Round1335-----squared error: 3.9418 parameter: [18.37598893 0.94371671 -1.6920432
9 -0.17551438]
Round1336-----squared error: 3.9417 parameter: [18.37609899 0.94347561 -1.6923306
-0.17555995]
Round1337-----squared error: 3.9417 parameter: [18.37620849 0.94323468 -1.6926175
4 -0.17560531]
Round1338-----squared error: 3.9416 parameter: [18.37631745 0.94299393 -1.6929041
3 -0.17565046]
Round1339-----squared error: 3.9415 parameter: [18.37642586 0.94275337 -1.6931903
5 -0.1756954]
Round1340-----squared error: 3.9415 parameter: [18.37653373 0.94251298 -1.6934762
-0.17574012]
Round1341-----squared error: 3.9414 parameter: [18.37664106 0.94227277 -1.6937617
-0.17578463]
Round1342-----squared error: 3.9413 parameter: [18.37674786 0.94203274 -1.6940468
3 -0.17582894]
Round1343-----squared error: 3.9413 parameter: [18.37685412 0.94179289 -1.6943316
1 -0.17587303]
Round1344-----squared error: 3.9412 parameter: [18.37695985 0.94155321 -1.6946160
2 -0.17591691]

Round1345-----squared error: 3.9412 parameter: [18.37706505 0.94131372 -1.6949000
7 -0.17596059]
Round1346-----squared error: 3.9411 parameter: [18.37716972 0.9410744 -1.6951837
7 -0.17600406]
Round1347-----squared error: 3.9410 parameter: [18.37727388 0.94083527 -1.6954671
-0.17604732]
Round1348-----squared error: 3.9410 parameter: [18.37737751 0.94059631 -1.6957500
8 -0.17609037]
Round1349-----squared error: 3.9409 parameter: [18.37748062 0.94035753 -1.6960327
1 -0.17613322]
Round1350-----squared error: 3.9409 parameter: [18.37758322 0.94011893 -1.6963149
7 -0.17617586]
Round1351-----squared error: 3.9408 parameter: [18.3776853 0.93988051 -1.6965968
8 -0.1762183]
Round1352-----squared error: 3.9407 parameter: [18.37778687 0.93964226 -1.6968784
4 -0.17626054]
Round1353-----squared error: 3.9407 parameter: [18.37788794 0.9394042 -1.6971596
4 -0.17630257]
Round1354-----squared error: 3.9406 parameter: [18.3779885 0.93916631 -1.6974404
8 -0.1763444]
Round1355-----squared error: 3.9406 parameter: [18.37808856 0.9389286 -1.6977209
8 -0.17638603]
Round1356-----squared error: 3.9405 parameter: [18.37818811 0.93869107 -1.6980011
2 -0.17642746]
Round1357-----squared error: 3.9405 parameter: [18.37828717 0.93845372 -1.6982809
-0.17646868]
Round1358-----squared error: 3.9404 parameter: [18.37838574 0.93821655 -1.6985603
4 -0.17650971]
Round1359-----squared error: 3.9403 parameter: [18.37848381 0.93797956 -1.6988394
2 -0.17655054]
Round1360-----squared error: 3.9403 parameter: [18.37858139 0.93774274 -1.6991181
6 -0.17659117]
Round1361-----squared error: 3.9402 parameter: [18.37867848 0.9375061 -1.6993965
4 -0.1766316]
Round1362-----squared error: 3.9402 parameter: [18.37877509 0.93726965 -1.6996745
8 -0.17667184]
Round1363-----squared error: 3.9401 parameter: [18.37887121 0.93703337 -1.6999522
6 -0.17671188]
Round1364-----squared error: 3.9400 parameter: [18.37896686 0.93679726 -1.7002296
-0.17675172]
Round1365-----squared error: 3.9400 parameter: [18.37906202 0.93656134 -1.7005065
9 -0.17679137]
Round1366-----squared error: 3.9399 parameter: [18.37915671 0.93632559 -1.7007832
3 -0.17683083]
Round1367-----squared error: 3.9399 parameter: [18.37925093 0.93609003 -1.7010595
3 -0.17687009]
Round1368-----squared error: 3.9398 parameter: [18.37934468 0.93585464 -1.7013354
8 -0.17690916]
Round1369-----squared error: 3.9398 parameter: [18.37943795 0.93561943 -1.7016110
8 -0.17694803]
Round1370-----squared error: 3.9397 parameter: [18.37953076 0.9353844 -1.7018863
4 -0.17698672]
Round1371-----squared error: 3.9397 parameter: [18.37962311 0.93514954 -1.7021612
6 -0.17702521]
Round1372-----squared error: 3.9396 parameter: [18.37971499 0.93491486 -1.7024358
3 -0.17706351]
Round1373-----squared error: 3.9395 parameter: [18.37980642 0.93468037 -1.7027100
6 -0.17710162]
Round1374-----squared error: 3.9395 parameter: [18.37989739 0.93444605 -1.7029839
5 -0.17713954]
Round1375-----squared error: 3.9394 parameter: [18.3799879 0.9342119 -1.7032574
9 -0.17717728]
Round1376-----squared error: 3.9394 parameter: [18.38007796 0.93397794 -1.7035306
9 -0.17721482]

Round1377-----squared error: 3.9393 parameter: [18.38016757 0.93374415 -1.70380356 -0.17725218]
Round1378-----squared error: 3.9393 parameter: [18.38025673 0.93351054 -1.70407608 -0.17728936]
Round1379-----squared error: 3.9392 parameter: [18.38034545 0.93327711 -1.70434826 -0.17732634]
Round1380-----squared error: 3.9392 parameter: [18.38043372 0.93304386 -1.7046201 -0.17736314]
Round1381-----squared error: 3.9391 parameter: [18.38052155 0.93281079 -1.7048916 -0.17739976]
Round1382-----squared error: 3.9390 parameter: [18.38060894 0.93257789 -1.70516277 -0.17743619]
Round1383-----squared error: 3.9390 parameter: [18.3806959 0.93234517 -1.7054336 -0.17747243]
Round1384-----squared error: 3.9389 parameter: [18.38078242 0.93211263 -1.70570409 -0.1775085]
Round1385-----squared error: 3.9389 parameter: [18.38086851 0.93188026 -1.70597424 -0.17754438]
Round1386-----squared error: 3.9388 parameter: [18.38095417 0.93164808 -1.70624406 -0.17758008]
Round1387-----squared error: 3.9388 parameter: [18.3810394 0.93141607 -1.70651354 -0.1776156]
Round1388-----squared error: 3.9387 parameter: [18.3811242 0.93118424 -1.70678269 -0.17765094]
Round1389-----squared error: 3.9387 parameter: [18.38120858 0.93095258 -1.70705151 -0.17768609]
Round1390-----squared error: 3.9386 parameter: [18.38129253 0.93072111 -1.70731999 -0.17772107]
Round1391-----squared error: 3.9386 parameter: [18.38137607 0.93048981 -1.70758813 -0.17775587]
Round1392-----squared error: 3.9385 parameter: [18.38145919 0.93025869 -1.70785595 -0.17779049]
Round1393-----squared error: 3.9385 parameter: [18.3815419 0.93002774 -1.70812343 -0.17782494]
Round1394-----squared error: 3.9384 parameter: [18.38162419 0.92979698 -1.70839058 -0.1778592]
Round1395-----squared error: 3.9383 parameter: [18.38170606 0.92956639 -1.7086574 -0.17789329]
Round1396-----squared error: 3.9383 parameter: [18.38178753 0.92933597 -1.70892389 -0.17792721]
Round1397-----squared error: 3.9382 parameter: [18.3818686 0.92910574 -1.70919004 -0.17796095]
Round1398-----squared error: 3.9382 parameter: [18.38194925 0.92887568 -1.70945587 -0.17799451]
Round1399-----squared error: 3.9381 parameter: [18.38202951 0.9286458 -1.70972137 -0.1780279]
Round1400-----squared error: 3.9381 parameter: [18.38210936 0.9284161 -1.70998654 -0.17806112]
Round1401-----squared error: 3.9380 parameter: [18.38218881 0.92818657 -1.71025139 -0.17809416]
Round1402-----squared error: 3.9380 parameter: [18.38226787 0.92795722 -1.71051591 -0.17812703]
Round1403-----squared error: 3.9379 parameter: [18.38234653 0.92772805 -1.71078009 -0.17815973]
Round1404-----squared error: 3.9379 parameter: [18.3824248 0.92749905 -1.71104396 -0.17819226]
Round1405-----squared error: 3.9378 parameter: [18.38250267 0.92727024 -1.7113075 -0.17822462]
Round1406-----squared error: 3.9378 parameter: [18.38258016 0.92704159 -1.71157071 -0.1782568]
Round1407-----squared error: 3.9377 parameter: [18.38265726 0.92681313 -1.7118336 -0.17828882]
Round1408-----squared error: 3.9377 parameter: [18.38273397 0.92658484 -1.71209616 -0.17832067]

Round1409-----squared error: 3.9376 parameter: [18.3828103 0.92635673 -1.7123584
-0.17835235]
Round1410-----squared error: 3.9376 parameter: [18.38288625 0.92612879 -1.7126203
1 -0.17838386]
Round1411-----squared error: 3.9375 parameter: [18.38296182 0.92590104 -1.7128819
1 -0.17841521]
Round1412-----squared error: 3.9375 parameter: [18.38303701 0.92567345 -1.7131431
8 -0.17844639]
Round1413-----squared error: 3.9374 parameter: [18.38311183 0.92544605 -1.7134041
3 -0.1784774]
Round1414-----squared error: 3.9374 parameter: [18.38318627 0.92521882 -1.7136647
6 -0.17850825]
Round1415-----squared error: 3.9373 parameter: [18.38326034 0.92499177 -1.7139250
7 -0.17853893]
Round1416-----squared error: 3.9373 parameter: [18.38333403 0.92476489 -1.7141850
5 -0.17856945]
Round1417-----squared error: 3.9372 parameter: [18.38340736 0.92453819 -1.7144447
2 -0.1785998]
Round1418-----squared error: 3.9372 parameter: [18.38348033 0.92431167 -1.7147040
7 -0.17862999]
Round1419-----squared error: 3.9371 parameter: [18.38355293 0.92408532 -1.7149631
-0.17866002]
Round1420-----squared error: 3.9371 parameter: [18.38362516 0.92385915 -1.7152218
2 -0.17868988]
Round1421-----squared error: 3.9370 parameter: [18.38369703 0.92363316 -1.7154802
1 -0.17871959]
Round1422-----squared error: 3.9370 parameter: [18.38376855 0.92340734 -1.7157382
9 -0.17874913]
Round1423-----squared error: 3.9369 parameter: [18.38383971 0.9231817 -1.7159960
5 -0.17877851]
Round1424-----squared error: 3.9369 parameter: [18.38391051 0.92295623 -1.7162535
-0.17880773]
Round1425-----squared error: 3.9368 parameter: [18.38398096 0.92273094 -1.7165106
3 -0.1788368]
Round1426-----squared error: 3.9368 parameter: [18.38405105 0.92250583 -1.7167674
4 -0.1788657]
Round1427-----squared error: 3.9367 parameter: [18.3841208 0.92228089 -1.7170239
4 -0.17889444]
Round1428-----squared error: 3.9367 parameter: [18.38419019 0.92205613 -1.7172801
3 -0.17892303]
Round1429-----squared error: 3.9366 parameter: [18.38425924 0.92183154 -1.717536
-0.17895146]
Round1430-----squared error: 3.9366 parameter: [18.38432794 0.92160713 -1.7177915
6 -0.17897973]
Round1431-----squared error: 3.9365 parameter: [18.3843963 0.9213829 -1.7180468
1 -0.17900785]
Round1432-----squared error: 3.9365 parameter: [18.38446432 0.92115884 -1.7183017
5 -0.17903581]
Round1433-----squared error: 3.9364 parameter: [18.384532 0.92093495 -1.7185563
7 -0.17906362]
Round1434-----squared error: 3.9364 parameter: [18.38459934 0.92071124 -1.7188106
8 -0.17909127]
Round1435-----squared error: 3.9363 parameter: [18.38466635 0.92048771 -1.7190646
9 -0.17911876]
Round1436-----squared error: 3.9363 parameter: [18.38473301 0.92026435 -1.7193183
8 -0.17914611]
Round1437-----squared error: 3.9362 parameter: [18.38479935 0.92004117 -1.7195717
6 -0.17917329]
Round1438-----squared error: 3.9362 parameter: [18.38486535 0.91981816 -1.7198248
4 -0.17920033]
Round1439-----squared error: 3.9361 parameter: [18.38493102 0.91959533 -1.7200776
-0.17922722]
Round1440-----squared error: 3.9361 parameter: [18.38499637 0.91937268 -1.7203300
6 -0.17925395]

Round1441-----squared error: 3.9361 parameter: [18.38506139 0.91915019 -1.7205822
1 -0.17928053]
Round1442-----squared error: 3.9360 parameter: [18.38512608 0.91892789 -1.7208340
5 -0.17930696]
Round1443-----squared error: 3.9360 parameter: [18.38519045 0.91870576 -1.7210855
9 -0.17933324]
Round1444-----squared error: 3.9359 parameter: [18.3852545 0.9184838 -1.7213368
2 -0.17935937]
Round1445-----squared error: 3.9359 parameter: [18.38531823 0.91826202 -1.7215877
4 -0.17938536]
Round1446-----squared error: 3.9358 parameter: [18.38538163 0.91804041 -1.7218383
6 -0.17941119]
Round1447-----squared error: 3.9358 parameter: [18.38544473 0.91781898 -1.7220886
7 -0.17943688]
Round1448-----squared error: 3.9357 parameter: [18.3855075 0.91759773 -1.7223386
8 -0.17946242]
Round1449-----squared error: 3.9357 parameter: [18.38556997 0.91737664 -1.7225883
9 -0.17948781]
Round1450-----squared error: 3.9356 parameter: [18.38563212 0.91715574 -1.7228377
9 -0.17951305]
Round1451-----squared error: 3.9356 parameter: [18.38569395 0.916935 -1.7230868
9 -0.17953815]
Round1452-----squared error: 3.9355 parameter: [18.38575549 0.91671445 -1.7233356
9 -0.1795631]
Round1453-----squared error: 3.9355 parameter: [18.38581671 0.91649406 -1.7235841
8 -0.17958791]
Round1454-----squared error: 3.9354 parameter: [18.38587762 0.91627385 -1.7238323
8 -0.17961257]
Round1455-----squared error: 3.9354 parameter: [18.38593824 0.91605382 -1.7240802
7 -0.17963709]
Round1456-----squared error: 3.9354 parameter: [18.38599854 0.91583396 -1.7243278
6 -0.17966147]
Round1457-----squared error: 3.9353 parameter: [18.38605855 0.91561427 -1.7245751
6 -0.1796857]
Round1458-----squared error: 3.9353 parameter: [18.38611826 0.91539476 -1.7248221
5 -0.17970979]
Round1459-----squared error: 3.9352 parameter: [18.38617767 0.91517542 -1.7250688
4 -0.17973374]
Round1460-----squared error: 3.9352 parameter: [18.38623678 0.91495626 -1.7253152
4 -0.17975755]
Round1461-----squared error: 3.9351 parameter: [18.3862956 0.91473727 -1.7255613
4 -0.17978121]
Round1462-----squared error: 3.9351 parameter: [18.38635412 0.91451845 -1.7258071
4 -0.17980474]
Round1463-----squared error: 3.9350 parameter: [18.38641235 0.91429981 -1.7260526
4 -0.17982812]
Round1464-----squared error: 3.9350 parameter: [18.38647029 0.91408135 -1.7262978
5 -0.17985136]
Round1465-----squared error: 3.9350 parameter: [18.38652793 0.91386305 -1.7265427
6 -0.17987447]
Round1466-----squared error: 3.9349 parameter: [18.38658529 0.91364493 -1.7267873
7 -0.17989744]
Round1467-----squared error: 3.9349 parameter: [18.38664237 0.91342698 -1.7270316
9 -0.17992026]
Round1468-----squared error: 3.9348 parameter: [18.38669916 0.91320921 -1.7272757
1 -0.17994295]
Round1469-----squared error: 3.9348 parameter: [18.38675566 0.91299161 -1.7275194
4 -0.17996551]
Round1470-----squared error: 3.9347 parameter: [18.38681188 0.91277419 -1.7277628
8 -0.17998792]
Round1471-----squared error: 3.9347 parameter: [18.38686782 0.91255693 -1.7280060
2 -0.1800102]
Round1472-----squared error: 3.9346 parameter: [18.38692348 0.91233985 -1.7282488
7 -0.18003235]

Round1473-----squared error: 3.9346 parameter: [18.38697887 0.91212295 -1.7284914
3 -0.18005436]
Round1474-----squared error: 3.9346 parameter: [18.38703397 0.91190622 -1.7287336
9 -0.18007623]
Round1475-----squared error: 3.9345 parameter: [18.3870888 0.91168966 -1.7289756
7 -0.18009797]
Round1476-----squared error: 3.9345 parameter: [18.38714336 0.91147327 -1.7292173
5 -0.18011957]
Round1477-----squared error: 3.9344 parameter: [18.38719764 0.91125706 -1.7294587
4 -0.18014104]
Round1478-----squared error: 3.9344 parameter: [18.38725165 0.91104102 -1.7296998
4 -0.18016238]
Round1479-----squared error: 3.9343 parameter: [18.38730539 0.91082515 -1.7299406
5 -0.18018359]
Round1480-----squared error: 3.9343 parameter: [18.38735887 0.91060946 -1.7301811
7 -0.18020466]
Round1481-----squared error: 3.9343 parameter: [18.38741207 0.91039393 -1.7304214
-0.1802256]
Round1482-----squared error: 3.9342 parameter: [18.38746501 0.91017859 -1.7306613
5 -0.18024641]
Round1483-----squared error: 3.9342 parameter: [18.38751769 0.90996341 -1.730901
-0.18026709]
Round1484-----squared error: 3.9341 parameter: [18.3875701 0.90974841 -1.7311403
7 -0.18028764]
Round1485-----squared error: 3.9341 parameter: [18.38762225 0.90953358 -1.7313794
5 -0.18030806]
Round1486-----squared error: 3.9340 parameter: [18.38767414 0.90931892 -1.7316182
4 -0.18032835]
Round1487-----squared error: 3.9340 parameter: [18.38772577 0.90910443 -1.7318567
5 -0.18034851]
Round1488-----squared error: 3.9340 parameter: [18.38777714 0.90889012 -1.7320949
7 -0.18036854]
Round1489-----squared error: 3.9339 parameter: [18.38782825 0.90867598 -1.7323329
1 -0.18038844]
Round1490-----squared error: 3.9339 parameter: [18.38787911 0.90846201 -1.7325705
6 -0.18040822]
Round1491-----squared error: 3.9338 parameter: [18.38792972 0.90824821 -1.7328079
3 -0.18042786]
Round1492-----squared error: 3.9338 parameter: [18.38798007 0.90803459 -1.7330450
1 -0.18044739]
Round1493-----squared error: 3.9337 parameter: [18.38803017 0.90782113 -1.7332818
1 -0.18046678]
Round1494-----squared error: 3.9337 parameter: [18.38808002 0.90760785 -1.7335183
3 -0.18048605]
Round1495-----squared error: 3.9337 parameter: [18.38812962 0.90739474 -1.7337545
6 -0.18050519]
Round1496-----squared error: 3.9336 parameter: [18.38817897 0.90718181 -1.7339905
1 -0.18052421]
Round1497-----squared error: 3.9336 parameter: [18.38822807 0.90696904 -1.7342261
8 -0.1805431]
Round1498-----squared error: 3.9335 parameter: [18.38827693 0.90675645 -1.7344615
6 -0.18056187]
Round1499-----squared error: 3.9335 parameter: [18.38832555 0.90654402 -1.7346966
7 -0.18058052]
Round1500-----squared error: 3.9335 parameter: [18.38837392 0.90633177 -1.7349315
-0.18059904]
Round1501-----squared error: 3.9334 parameter: [18.38842205 0.90611969 -1.7351660
4 -0.18061744]
Round1502-----squared error: 3.9334 parameter: [18.38846994 0.90590779 -1.7354003
1 -0.18063571]
Round1503-----squared error: 3.9333 parameter: [18.38851759 0.90569605 -1.7356342
9 -0.18065387]
Round1504-----squared error: 3.9333 parameter: [18.388565 0.90548449 -1.735868
-0.1806719]

Round1505-----squared error: 3.9333 parameter: [18.38861218 0.90527309 -1.7361014
3 -0.18068981]
Round1506-----squared error: 3.9332 parameter: [18.38865912 0.90506187 -1.7363345
8 -0.1807076]
Round1507-----squared error: 3.9332 parameter: [18.38870582 0.90485082 -1.7365674
5 -0.18072527]
Round1508-----squared error: 3.9331 parameter: [18.38875229 0.90463994 -1.7368000
5 -0.18074282]
Round1509-----squared error: 3.9331 parameter: [18.38879853 0.90442923 -1.7370323
7 -0.18076025]
Round1510-----squared error: 3.9330 parameter: [18.38884454 0.90421869 -1.7372644
1 -0.18077756]
Round1511-----squared error: 3.9330 parameter: [18.38889032 0.90400832 -1.7374961
7 -0.18079475]
Round1512-----squared error: 3.9330 parameter: [18.38893586 0.90379812 -1.7377276
6 -0.18081183]
Round1513-----squared error: 3.9329 parameter: [18.38898118 0.9035881 -1.7379588
8 -0.18082878]
Round1514-----squared error: 3.9329 parameter: [18.38902628 0.90337824 -1.7381898
2 -0.18084562]
Round1515-----squared error: 3.9328 parameter: [18.38907115 0.90316855 -1.7384204
9 -0.18086234]
Round1516-----squared error: 3.9328 parameter: [18.38911579 0.90295904 -1.7386508
8 -0.18087895]
Round1517-----squared error: 3.9328 parameter: [18.38916021 0.90274969 -1.738881
-0.18089544]
Round1518-----squared error: 3.9327 parameter: [18.38920441 0.90254052 -1.7391108
5 -0.18091181]
Round1519-----squared error: 3.9327 parameter: [18.38924839 0.90233151 -1.7393404
2 -0.18092807]
Round1520-----squared error: 3.9327 parameter: [18.38929215 0.90212268 -1.7395697
2 -0.18094421]
Round1521-----squared error: 3.9326 parameter: [18.38933569 0.90191402 -1.7397987
5 -0.18096023]
Round1522-----squared error: 3.9326 parameter: [18.38937901 0.90170552 -1.7400275
1 -0.18097615]
Round1523-----squared error: 3.9325 parameter: [18.38942211 0.9014972 -1.740256
-0.18099194]
Round1524-----squared error: 3.9325 parameter: [18.389465 0.90128904 -1.7404842
1 -0.18100763]
Round1525-----squared error: 3.9325 parameter: [18.38950768 0.90108106 -1.7407121
6 -0.1810232]
Round1526-----squared error: 3.9324 parameter: [18.38955014 0.90087324 -1.7409398
4 -0.18103866]
Round1527-----squared error: 3.9324 parameter: [18.38959239 0.9006656 -1.7411672
4 -0.18105401]
Round1528-----squared error: 3.9323 parameter: [18.38963443 0.90045812 -1.7413943
8 -0.18106924]
Round1529-----squared error: 3.9323 parameter: [18.38967625 0.90025082 -1.7416212
5 -0.18108437]
Round1530-----squared error: 3.9323 parameter: [18.38971787 0.90004368 -1.7418478
5 -0.18109938]
Round1531-----squared error: 3.9322 parameter: [18.38975928 0.89983671 -1.7420741
9 -0.18111428]
Round1532-----squared error: 3.9322 parameter: [18.38980049 0.89962991 -1.7423002
5 -0.18112907]
Round1533-----squared error: 3.9321 parameter: [18.38984148 0.89942328 -1.7425260
5 -0.18114375]
Round1534-----squared error: 3.9321 parameter: [18.38988228 0.89921682 -1.7427515
8 -0.18115833]
Round1535-----squared error: 3.9321 parameter: [18.38992287 0.89901053 -1.7429768
5 -0.18117279]
Round1536-----squared error: 3.9320 parameter: [18.38996325 0.89880441 -1.7432018
5 -0.18118714]

Round1537-----squared error: 3.9320 parameter: [18.39000344 0.89859846 -1.7434265
9 -0.18120139]
Round1538-----squared error: 3.9320 parameter: [18.39004342 0.89839267 -1.7436510
6 -0.18121552]
Round1539-----squared error: 3.9319 parameter: [18.3900832 0.89818706 -1.7438752
7 -0.18122955]
Round1540-----squared error: 3.9319 parameter: [18.39012279 0.89798161 -1.7440992
1 -0.18124348]
Round1541-----squared error: 3.9318 parameter: [18.39016217 0.89777633 -1.7443228
9 -0.18125729]
Round1542-----squared error: 3.9318 parameter: [18.39020136 0.89757122 -1.7445463
-0.181271]
Round1543-----squared error: 3.9318 parameter: [18.39024035 0.89736628 -1.7447694
5 -0.1812846]
Round1544-----squared error: 3.9317 parameter: [18.39027915 0.89716151 -1.7449923
4 -0.1812981]
Round1545-----squared error: 3.9317 parameter: [18.39031776 0.8969569 -1.7452149
7 -0.18131149]
Round1546-----squared error: 3.9317 parameter: [18.39035617 0.89675247 -1.7454373
3 -0.18132478]
Round1547-----squared error: 3.9316 parameter: [18.39039439 0.8965482 -1.7456594
4 -0.18133796]
Round1548-----squared error: 3.9316 parameter: [18.39043241 0.8963441 -1.7458812
8 -0.18135104]
Round1549-----squared error: 3.9315 parameter: [18.39047025 0.89614017 -1.7461028
6 -0.18136401]
Round1550-----squared error: 3.9315 parameter: [18.3905079 0.8959364 -1.7463241
9 -0.18137688]
Round1551-----squared error: 3.9315 parameter: [18.39054536 0.8957328 -1.7465452
5 -0.18138965]
Round1552-----squared error: 3.9314 parameter: [18.39058263 0.89552938 -1.7467660
5 -0.18140231]
Round1553-----squared error: 3.9314 parameter: [18.39061972 0.89532611 -1.7469866
-0.18141487]
Round1554-----squared error: 3.9314 parameter: [18.39065662 0.89512302 -1.7472068
8 -0.18142733]
Round1555-----squared error: 3.9313 parameter: [18.39069334 0.89492009 -1.7474269
1 -0.18143969]
Round1556-----squared error: 3.9313 parameter: [18.39072987 0.89471733 -1.7476466
8 -0.18145195]
Round1557-----squared error: 3.9313 parameter: [18.39076622 0.89451474 -1.7478661
9 -0.1814641]
Round1558-----squared error: 3.9312 parameter: [18.39080239 0.89431232 -1.7480854
4 -0.18147616]
Round1559-----squared error: 3.9312 parameter: [18.39083838 0.89411006 -1.7483044
4 -0.18148811]
Round1560-----squared error: 3.9311 parameter: [18.39087419 0.89390797 -1.7485231
8 -0.18149996]
Round1561-----squared error: 3.9311 parameter: [18.39090982 0.89370605 -1.7487416
7 -0.18151172]
Round1562-----squared error: 3.9311 parameter: [18.39094527 0.89350429 -1.7489599
-0.18152337]
Round1563-----squared error: 3.9310 parameter: [18.39098054 0.8933027 -1.7491778
7 -0.18153493]
Round1564-----squared error: 3.9310 parameter: [18.39101564 0.89310128 -1.7493955
9 -0.18154639]
Round1565-----squared error: 3.9310 parameter: [18.39105056 0.89290002 -1.7496130
5 -0.18155775]
Round1566-----squared error: 3.9309 parameter: [18.39108531 0.89269893 -1.7498302
7 -0.18156901]
Round1567-----squared error: 3.9309 parameter: [18.39111988 0.89249801 -1.7500472
2 -0.18158017]
Round1568-----squared error: 3.9309 parameter: [18.39115428 0.89229725 -1.7502639
3 -0.18159124]

Round1569-----squared error: 3.9308 parameter: [18.39118851 0.89209666 -1.7504803
 8 -0.18160221]
 Round1570-----squared error: 3.9308 parameter: [18.39122257 0.89189624 -1.7506965
 8 -0.18161309]
 Round1571-----squared error: 3.9308 parameter: [18.39125646 0.89169598 -1.7509125
 2 -0.18162386]
 Round1572-----squared error: 3.9307 parameter: [18.39129017 0.89149589 -1.7511282
 2 -0.18163455]
 Round1573-----squared error: 3.9307 parameter: [18.39132372 0.89129597 -1.7513436
 6 -0.18164513]
 Round1574-----squared error: 3.9307 parameter: [18.3913571 0.89109621 -1.7515588
 5 -0.18165562]
 Round1575-----squared error: 3.9306 parameter: [18.39139032 0.89089661 -1.7517737
 9 -0.18166602]
 Round1576-----squared error: 3.9306 parameter: [18.39142337 0.89069719 -1.7519884
 8 -0.18167632]
 Round1577-----squared error: 3.9305 parameter: [18.39145625 0.89049792 -1.7522029
 2 -0.18168653]
 Round1578-----squared error: 3.9305 parameter: [18.39148897 0.89029883 -1.7524171
 1 -0.18169665]
 Round1579-----squared error: 3.9305 parameter: [18.39152152 0.8900999 -1.7526310
 5 -0.18170667]
 Round1580-----squared error: 3.9304 parameter: [18.39155392 0.88990113 -1.7528447
 4 -0.1817166]
 Round1581-----squared error: 3.9304 parameter: [18.39158615 0.88970253 -1.7530581
 9 -0.18172643]
 Round1582-----squared error: 3.9304 parameter: [18.39161822 0.8895041 -1.7532713
 8 -0.18173617]
 Round1583-----squared error: 3.9303 parameter: [18.39165013 0.88930583 -1.7534843
 3 -0.18174583]
 Round1584-----squared error: 3.9303 parameter: [18.39168187 0.88910772 -1.7536970
 3 -0.18175538]
 Round1585-----squared error: 3.9303 parameter: [18.39171347 0.88890978 -1.7539094
 8 -0.18176485]
 Round1586-----squared error: 3.9302 parameter: [18.3917449 0.88871201 -1.7541216
 9 -0.18177423]
 Round1587-----squared error: 3.9302 parameter: [18.39177617 0.8885144 -1.7543336
 5 -0.18178352]
 Round1588-----squared error: 3.9302 parameter: [18.39180729 0.88831696 -1.7545453
 7 -0.18179271]
 Round1589-----squared error: 3.9301 parameter: [18.39183826 0.88811968 -1.7547568
 3 -0.18180182]
 Round1590-----squared error: 3.9301 parameter: [18.39186906 0.88792256 -1.7549680
 6 -0.18181083]
 Round1591-----squared error: 3.9301 parameter: [18.39189972 0.88772561 -1.7551790
 3 -0.18181976]
 Round1592-----squared error: 3.9300 parameter: [18.39193022 0.88752882 -1.7553897
 7 -0.1818286]
 Round1593-----squared error: 3.9300 parameter: [18.39196057 0.8873322 -1.7556002
 6 -0.18183735]
 Round1594-----squared error: 3.9300 parameter: [18.39199077 0.88713574 -1.7558105
 -0.18184601]
 Round1595-----squared error: 3.9299 parameter: [18.39202081 0.88693945 -1.7560205
 1 -0.18185458]
 Round1596-----squared error: 3.9299 parameter: [18.39205071 0.88674332 -1.7562302
 6 -0.18186306]
 Round1597-----squared error: 3.9299 parameter: [18.39208046 0.88654736 -1.7564397
 8 -0.18187146]
 Round1598-----squared error: 3.9298 parameter: [18.39211005 0.88635156 -1.7566490
 5 -0.18187977]
 Round1599-----squared error: 3.9298 parameter: [18.3921395 0.88615592 -1.7568580
 8 -0.18188799]
 Round1600-----squared error: 3.9298 parameter: [18.39216881 0.88596044 -1.7570668
 7 -0.18189613]

Round1601-----squared error: 3.9297 parameter: [18.39219796 0.88576513 -1.7572754
2 -0.18190417]
Round1602-----squared error: 3.9297 parameter: [18.39222697 0.88556999 -1.7574837
3 -0.18191214]
Round1603-----squared error: 3.9297 parameter: [18.39225584 0.885375 -1.7576918
-0.18192002]
Round1604-----squared error: 3.9296 parameter: [18.39228456 0.88518019 -1.7578996
2 -0.18192781]
Round1605-----squared error: 3.9296 parameter: [18.39231313 0.88498553 -1.7581072
1 -0.18193552]
Round1606-----squared error: 3.9296 parameter: [18.39234157 0.88479104 -1.7583145
6 -0.18194314]
Round1607-----squared error: 3.9295 parameter: [18.39236986 0.88459671 -1.7585216
6 -0.18195068]
Round1608-----squared error: 3.9295 parameter: [18.39239801 0.88440254 -1.7587285
3 -0.18195813]
Round1609-----squared error: 3.9295 parameter: [18.39242602 0.88420854 -1.7589351
6 -0.1819655]
Round1610-----squared error: 3.9294 parameter: [18.39245389 0.8840147 -1.7591415
5 -0.18197279]
Round1611-----squared error: 3.9294 parameter: [18.39248162 0.88382102 -1.7593477
1 -0.18198]
Round1612-----squared error: 3.9294 parameter: [18.39250921 0.8836275 -1.7595536
2 -0.18198712]
Round1613-----squared error: 3.9293 parameter: [18.39253667 0.88343415 -1.7597593
-0.18199415]
Round1614-----squared error: 3.9293 parameter: [18.39256398 0.88324096 -1.7599647
4 -0.18200111]
Round1615-----squared error: 3.9293 parameter: [18.39259116 0.88304793 -1.7601699
5 -0.18200799]
Round1616-----squared error: 3.9292 parameter: [18.39261821 0.88285507 -1.7603749
2 -0.18201478]
Round1617-----squared error: 3.9292 parameter: [18.39264512 0.88266237 -1.7605796
5 -0.18202149]
Round1618-----squared error: 3.9292 parameter: [18.39267189 0.88246983 -1.7607841
5 -0.18202812]
Round1619-----squared error: 3.9292 parameter: [18.39269853 0.88227745 -1.7609884
1 -0.18203467]
Round1620-----squared error: 3.9291 parameter: [18.39272504 0.88208523 -1.7611924
4 -0.18204114]
Round1621-----squared error: 3.9291 parameter: [18.39275142 0.88189318 -1.7613962
3 -0.18204753]
Round1622-----squared error: 3.9291 parameter: [18.39277766 0.88170129 -1.7615997
9 -0.18205384]
Round1623-----squared error: 3.9290 parameter: [18.39280377 0.88150956 -1.7618031
1 -0.18206007]
Round1624-----squared error: 3.9290 parameter: [18.39282975 0.88131799 -1.7620062
1 -0.18206622]
Round1625-----squared error: 3.9290 parameter: [18.3928556 0.88112658 -1.7622090
6 -0.18207229]
Round1626-----squared error: 3.9289 parameter: [18.39288132 0.88093533 -1.7624116
9 -0.18207828]
Round1627-----squared error: 3.9289 parameter: [18.39290692 0.88074425 -1.7626140
8 -0.18208419]
Round1628-----squared error: 3.9289 parameter: [18.39293238 0.88055333 -1.7628162
4 -0.18209003]
Round1629-----squared error: 3.9288 parameter: [18.39295772 0.88036256 -1.7630181
7 -0.18209579]
Round1630-----squared error: 3.9288 parameter: [18.39298293 0.88017196 -1.7632198
7 -0.18210147]
Round1631-----squared error: 3.9288 parameter: [18.39300802 0.87998152 -1.7634213
4 -0.18210707]
Round1632-----squared error: 3.9287 parameter: [18.39303298 0.87979125 -1.7636225
7 -0.1821126]

Round1633-----squared error: 3.9287 parameter: [18.39305781 0.87960113 -1.7638235
8 -0.18211804]
Round1634-----squared error: 3.9287 parameter: [18.39308252 0.87941117 -1.7640243
5 -0.18212342]
Round1635-----squared error: 3.9287 parameter: [18.39310711 0.87922137 -1.7642249
-0.18212871]
Round1636-----squared error: 3.9286 parameter: [18.39313158 0.87903174 -1.7644252
1 -0.18213393]
Round1637-----squared error: 3.9286 parameter: [18.39315592 0.87884226 -1.7646253
-0.18213908]
Round1638-----squared error: 3.9286 parameter: [18.39318014 0.87865295 -1.7648251
5 -0.18214415]
Round1639-----squared error: 3.9285 parameter: [18.39320424 0.8784638 -1.7650247
8 -0.18214914]
Round1640-----squared error: 3.9285 parameter: [18.39322822 0.8782748 -1.7652241
8 -0.18215406]
Round1641-----squared error: 3.9285 parameter: [18.39325208 0.87808597 -1.7654233
6 -0.18215891]
Round1642-----squared error: 3.9284 parameter: [18.39327581 0.87789729 -1.7656223
-0.18216368]
Round1643-----squared error: 3.9284 parameter: [18.39329944 0.87770878 -1.7658210
2 -0.18216838]
Round1644-----squared error: 3.9284 parameter: [18.39332294 0.87752043 -1.7660195
1 -0.182173]
Round1645-----squared error: 3.9283 parameter: [18.39334632 0.87733223 -1.7662177
8 -0.18217755]
Round1646-----squared error: 3.9283 parameter: [18.39336959 0.8771442 -1.7664158
1 -0.18218203]
Round1647-----squared error: 3.9283 parameter: [18.39339274 0.87695632 -1.7666136
3 -0.18218643]
Round1648-----squared error: 3.9283 parameter: [18.39341578 0.87676861 -1.7668112
1 -0.18219077]
Round1649-----squared error: 3.9282 parameter: [18.3934387 0.87658105 -1.7670085
7 -0.18219503]
Round1650-----squared error: 3.9282 parameter: [18.39346151 0.87639366 -1.7672057
1 -0.18219921]
Round1651-----squared error: 3.9282 parameter: [18.3934842 0.87620642 -1.7674026
2 -0.18220333]
Round1652-----squared error: 3.9281 parameter: [18.39350678 0.87601934 -1.7675993
1 -0.18220737]
Round1653-----squared error: 3.9281 parameter: [18.39352925 0.87583242 -1.7677957
7 -0.18221135]
Round1654-----squared error: 3.9281 parameter: [18.3935516 0.87564566 -1.7679920
1 -0.18221525]
Round1655-----squared error: 3.9281 parameter: [18.39357384 0.87545906 -1.7681880
3 -0.18221908]
Round1656-----squared error: 3.9280 parameter: [18.39359597 0.87527262 -1.7683838
2 -0.18222284]
Round1657-----squared error: 3.9280 parameter: [18.39361799 0.87508634 -1.7685793
9 -0.18222653]
Round1658-----squared error: 3.9280 parameter: [18.3936399 0.87490021 -1.7687747
4 -0.18223015]
Round1659-----squared error: 3.9279 parameter: [18.3936617 0.87471425 -1.7689698
6 -0.1822337]
Round1660-----squared error: 3.9279 parameter: [18.39368339 0.87452844 -1.7691647
7 -0.18223719]
Round1661-----squared error: 3.9279 parameter: [18.39370498 0.87434279 -1.7693594
5 -0.1822406]
Round1662-----squared error: 3.9278 parameter: [18.39372645 0.8741573 -1.7695539
1 -0.18224394]
Round1663-----squared error: 3.9278 parameter: [18.39374782 0.87397196 -1.7697481
5 -0.18224722]
Round1664-----squared error: 3.9278 parameter: [18.39376908 0.87378679 -1.7699421
7 -0.18225042]

Round1665-----squared error: 3.9278 parameter: [18.39379024 0.87360177 -1.7701359
7 -0.18225356]
Round1666-----squared error: 3.9277 parameter: [18.39381128 0.87341691 -1.7703295
5 -0.18225663]
Round1667-----squared error: 3.9277 parameter: [18.39383223 0.87323221 -1.7705229
1 -0.18225964]
Round1668-----squared error: 3.9277 parameter: [18.39385307 0.87304767 -1.7707160
5 -0.18226257]
Round1669-----squared error: 3.9276 parameter: [18.3938738 0.87286328 -1.7709089
7 -0.18226544]
Round1670-----squared error: 3.9276 parameter: [18.39389443 0.87267905 -1.7711016
7 -0.18226825]
Round1671-----squared error: 3.9276 parameter: [18.39391496 0.87249498 -1.7712941
6 -0.18227098]
Round1672-----squared error: 3.9276 parameter: [18.39393539 0.87231107 -1.7714864
2 -0.18227365]
Round1673-----squared error: 3.9275 parameter: [18.39395571 0.87212731 -1.7716784
7 -0.18227625]
Round1674-----squared error: 3.9275 parameter: [18.39397593 0.87194371 -1.7718703
-0.18227879]
Round1675-----squared error: 3.9275 parameter: [18.39399605 0.87176027 -1.7720619
2 -0.18228126]
Round1676-----squared error: 3.9274 parameter: [18.39401607 0.87157699 -1.7722533
1 -0.18228367]
Round1677-----squared error: 3.9274 parameter: [18.39403599 0.87139386 -1.7724444
9 -0.18228601]
Round1678-----squared error: 3.9274 parameter: [18.39405581 0.87121089 -1.7726354
6 -0.18228829]
Round1679-----squared error: 3.9274 parameter: [18.39407553 0.87102807 -1.7728262
-0.1822905]
Round1680-----squared error: 3.9273 parameter: [18.39409515 0.87084541 -1.7730167
4 -0.18229265]
Round1681-----squared error: 3.9273 parameter: [18.39411468 0.87066291 -1.7732070
5 -0.18229473]
Round1682-----squared error: 3.9273 parameter: [18.3941341 0.87048057 -1.7733971
5 -0.18229675]
Round1683-----squared error: 3.9273 parameter: [18.39415343 0.87029838 -1.7735870
4 -0.18229871]
Round1684-----squared error: 3.9272 parameter: [18.39417267 0.87011634 -1.7737767
1 -0.1823006]
Round1685-----squared error: 3.9272 parameter: [18.3941918 0.86993447 -1.7739661
7 -0.18230243]
Round1686-----squared error: 3.9272 parameter: [18.39421084 0.86975275 -1.7741554
2 -0.1823042]
Round1687-----squared error: 3.9271 parameter: [18.39422979 0.86957118 -1.7743444
5 -0.1823059]
Round1688-----squared error: 3.9271 parameter: [18.39424864 0.86938977 -1.7745332
6 -0.18230754]
Round1689-----squared error: 3.9271 parameter: [18.3942674 0.86920852 -1.7747218
7 -0.18230912]
Round1690-----squared error: 3.9271 parameter: [18.39428606 0.86902742 -1.7749102
6 -0.18231064]
Round1691-----squared error: 3.9270 parameter: [18.39430463 0.86884648 -1.7750984
4 -0.18231209]
Round1692-----squared error: 3.9270 parameter: [18.39432311 0.86866569 -1.7752864
1 -0.18231349]
Round1693-----squared error: 3.9270 parameter: [18.39434149 0.86848506 -1.7754741
6 -0.18231482]
Round1694-----squared error: 3.9269 parameter: [18.39435978 0.86830458 -1.7756617
1 -0.18231609]
Round1695-----squared error: 3.9269 parameter: [18.39437799 0.86812426 -1.7758490
4 -0.18231731]
Round1696-----squared error: 3.9269 parameter: [18.3943961 0.8679441 -1.7760361
6 -0.18231846]

Round1697-----squared error: 3.9269 parameter: [18.39441411 0.86776409 -1.77622307 -0.18231955]
Round1698-----squared error: 3.9268 parameter: [18.39443204 0.86758423 -1.77640977 -0.18232058]
Round1699-----squared error: 3.9268 parameter: [18.39444988 0.86740453 -1.77659626 -0.18232155]
Round1700-----squared error: 3.9268 parameter: [18.39446763 0.86722498 -1.77678254 -0.18232246]
Round1701-----squared error: 3.9268 parameter: [18.3944853 0.86704559 -1.77696862 -0.18232331]
Round1702-----squared error: 3.9267 parameter: [18.39450287 0.86686635 -1.77715448 -0.1823241]
Round1703-----squared error: 3.9267 parameter: [18.39452036 0.86668727 -1.77734013 -0.18232484]
Round1704-----squared error: 3.9267 parameter: [18.39453775 0.86650834 -1.77752558 -0.18232551]
Round1705-----squared error: 3.9267 parameter: [18.39455507 0.86632957 -1.77771081 -0.18232613]
Round1706-----squared error: 3.9266 parameter: [18.39457229 0.86615094 -1.77789584 -0.18232669]
Round1707-----squared error: 3.9266 parameter: [18.39458943 0.86597248 -1.77808066 -0.18232719]
Round1708-----squared error: 3.9266 parameter: [18.39460648 0.86579417 -1.77826528 -0.18232763]
Round1709-----squared error: 3.9265 parameter: [18.39462345 0.86561601 -1.77844968 -0.18232802]
Round1710-----squared error: 3.9265 parameter: [18.39464033 0.865438 -1.77863388 -0.18232834]
Round1711-----squared error: 3.9265 parameter: [18.39465713 0.86526015 -1.77881787 -0.18232862]
Round1712-----squared error: 3.9265 parameter: [18.39467384 0.86508245 -1.77900166 -0.18232883]
Round1713-----squared error: 3.9264 parameter: [18.39469048 0.86490491 -1.77918524 -0.18232899]
Round1714-----squared error: 3.9264 parameter: [18.39470702 0.86472752 -1.77936862 -0.18232909]
Round1715-----squared error: 3.9264 parameter: [18.39472349 0.86455028 -1.77955179 -0.18232913]
Round1716-----squared error: 3.9264 parameter: [18.39473987 0.8643732 -1.77973475 -0.18232912]
Round1717-----squared error: 3.9263 parameter: [18.39475617 0.86419626 -1.77991751 -0.18232905]
Round1718-----squared error: 3.9263 parameter: [18.39477239 0.86401949 -1.78010006 -0.18232893]
Round1719-----squared error: 3.9263 parameter: [18.39478853 0.86384286 -1.78028241 -0.18232875]
Round1720-----squared error: 3.9263 parameter: [18.39480459 0.86366639 -1.78046456 -0.18232852]
Round1721-----squared error: 3.9262 parameter: [18.39482056 0.86349007 -1.7806465 -0.18232823]
Round1722-----squared error: 3.9262 parameter: [18.39483646 0.8633139 -1.78082824 -0.18232788]
Round1723-----squared error: 3.9262 parameter: [18.39485228 0.86313788 -1.78100978 -0.18232749]
Round1724-----squared error: 3.9262 parameter: [18.39486802 0.86296202 -1.78119111 -0.18232704]
Round1725-----squared error: 3.9261 parameter: [18.39488368 0.86278631 -1.78137224 -0.18232653]
Round1726-----squared error: 3.9261 parameter: [18.39489926 0.86261075 -1.78155317 -0.18232597]
Round1727-----squared error: 3.9261 parameter: [18.39491476 0.86243535 -1.78173389 -0.18232536]
Round1728-----squared error: 3.9261 parameter: [18.39493019 0.86226009 -1.78191442 -0.18232469]

Round1729-----squared error: 3.9260 parameter: [18.39494554 0.86208499 -1.7820947
4 -0.18232397]
Round1730-----squared error: 3.9260 parameter: [18.39496081 0.86191004 -1.7822748
6 -0.18232319]
Round1731-----squared error: 3.9260 parameter: [18.394976 0.86173524 -1.7824547
8 -0.18232237]
Round1732-----squared error: 3.9260 parameter: [18.39499112 0.86156059 -1.7826345
-0.18232149]
Round1733-----squared error: 3.9259 parameter: [18.39500617 0.8613861 -1.7828140
2 -0.18232056]
Round1734-----squared error: 3.9259 parameter: [18.39502114 0.86121176 -1.7829933
4 -0.18231958]
Round1735-----squared error: 3.9259 parameter: [18.39503603 0.86103756 -1.7831724
5 -0.18231854]
Round1736-----squared error: 3.9259 parameter: [18.39505085 0.86086352 -1.7833513
7 -0.18231745]
Round1737-----squared error: 3.9258 parameter: [18.3950656 0.86068963 -1.7835300
9 -0.18231631]
Round1738-----squared error: 3.9258 parameter: [18.39508027 0.86051589 -1.7837086
1 -0.18231512]
Round1739-----squared error: 3.9258 parameter: [18.39509487 0.8603423 -1.7838869
4 -0.18231388]
Round1740-----squared error: 3.9258 parameter: [18.39510939 0.86016886 -1.7840650
6 -0.18231259]
Round1741-----squared error: 3.9257 parameter: [18.39512385 0.85999558 -1.7842429
8 -0.18231125]
Round1742-----squared error: 3.9257 parameter: [18.39513823 0.85982244 -1.7844207
1 -0.18230985]
Round1743-----squared error: 3.9257 parameter: [18.39515254 0.85964946 -1.7845982
4 -0.18230841]
Round1744-----squared error: 3.9257 parameter: [18.39516677 0.85947662 -1.7847755
7 -0.18230692]
Round1745-----squared error: 3.9256 parameter: [18.39518094 0.85930394 -1.7849527
1 -0.18230537]
Round1746-----squared error: 3.9256 parameter: [18.39519504 0.8591314 -1.7851296
4 -0.18230378]
Round1747-----squared error: 3.9256 parameter: [18.39520906 0.85895902 -1.7853063
8 -0.18230213]
Round1748-----squared error: 3.9256 parameter: [18.39522302 0.85878678 -1.7854829
3 -0.18230044]
Round1749-----squared error: 3.9255 parameter: [18.3952369 0.8586147 -1.7856592
8 -0.1822987]
Round1750-----squared error: 3.9255 parameter: [18.39525072 0.85844276 -1.7858354
3 -0.18229691]
Round1751-----squared error: 3.9255 parameter: [18.39526446 0.85827098 -1.7860113
9 -0.18229507]
Round1752-----squared error: 3.9255 parameter: [18.39527814 0.85809934 -1.7861871
5 -0.18229318]
Round1753-----squared error: 3.9254 parameter: [18.39529175 0.85792786 -1.7863627
1 -0.18229124]
Round1754-----squared error: 3.9254 parameter: [18.39530529 0.85775652 -1.7865380
8 -0.18228926]
Round1755-----squared error: 3.9254 parameter: [18.39531876 0.85758533 -1.7867132
6 -0.18228722]
Round1756-----squared error: 3.9254 parameter: [18.39533217 0.8574143 -1.7868882
4 -0.18228514]
Round1757-----squared error: 3.9253 parameter: [18.39534551 0.85724341 -1.7870630
3 -0.18228301]
Round1758-----squared error: 3.9253 parameter: [18.39535878 0.85707267 -1.7872376
3 -0.18228084]
Round1759-----squared error: 3.9253 parameter: [18.39537199 0.85690208 -1.7874120
3 -0.18227862]
Round1760-----squared error: 3.9253 parameter: [18.39538513 0.85673164 -1.7875862
4 -0.18227635]

Round1761-----squared error: 3.9252 parameter: [18.3953982 0.85656134 -1.7877602
5 -0.18227403]
Round1762-----squared error: 3.9252 parameter: [18.39541121 0.8563912 -1.7879340
8 -0.18227166]
Round1763-----squared error: 3.9252 parameter: [18.39542416 0.85622121 -1.7881077
1 -0.18226925]
Round1764-----squared error: 3.9252 parameter: [18.39543703 0.85605136 -1.7882811
4 -0.1822668]
Round1765-----squared error: 3.9251 parameter: [18.39544985 0.85588166 -1.7884543
9 -0.1822643]
Round1766-----squared error: 3.9251 parameter: [18.3954626 0.85571211 -1.7886274
4 -0.18226175]
Round1767-----squared error: 3.9251 parameter: [18.39547529 0.85554271 -1.7888003
1 -0.18225915]
Round1768-----squared error: 3.9251 parameter: [18.39548791 0.85537345 -1.7889729
8 -0.18225651]
Round1769-----squared error: 3.9251 parameter: [18.39550047 0.85520435 -1.7891454
6 -0.18225383]
Round1770-----squared error: 3.9250 parameter: [18.39551297 0.85503539 -1.7893177
5 -0.1822511]
Round1771-----squared error: 3.9250 parameter: [18.3955254 0.85486658 -1.7894898
5 -0.18224832]
Round1772-----squared error: 3.9250 parameter: [18.39553778 0.85469792 -1.7896617
6 -0.1822455]
Round1773-----squared error: 3.9250 parameter: [18.39555009 0.8545294 -1.7898334
8 -0.18224264]
Round1774-----squared error: 3.9249 parameter: [18.39556234 0.85436103 -1.7900050
1 -0.18223973]
Round1775-----squared error: 3.9249 parameter: [18.39557453 0.85419281 -1.7901763
5 -0.18223677]
Round1776-----squared error: 3.9249 parameter: [18.39558665 0.85402474 -1.7903475
-0.18223377]
Round1777-----squared error: 3.9249 parameter: [18.39559872 0.85385682 -1.7905184
6 -0.18223073]
Round1778-----squared error: 3.9248 parameter: [18.39561073 0.85368904 -1.7906892
3 -0.18222765]
Round1779-----squared error: 3.9248 parameter: [18.39562267 0.85352141 -1.7908598
2 -0.18222452]
Round1780-----squared error: 3.9248 parameter: [18.39563456 0.85335392 -1.7910302
2 -0.18222135]
Round1781-----squared error: 3.9248 parameter: [18.39564639 0.85318658 -1.7912004
2 -0.18221813]
Round1782-----squared error: 3.9248 parameter: [18.39565815 0.85301939 -1.7913704
5 -0.18221487]
Round1783-----squared error: 3.9247 parameter: [18.39566986 0.85285235 -1.7915402
8 -0.18221157]
Round1784-----squared error: 3.9247 parameter: [18.39568151 0.85268545 -1.7917099
3 -0.18220823]
Round1785-----squared error: 3.9247 parameter: [18.39569311 0.8525187 -1.7918793
9 -0.18220484]
Round1786-----squared error: 3.9247 parameter: [18.39570464 0.85235209 -1.7920486
6 -0.18220141]
Round1787-----squared error: 3.9246 parameter: [18.39571612 0.85218564 -1.7922177
5 -0.18219794]
Round1788-----squared error: 3.9246 parameter: [18.39572754 0.85201932 -1.7923866
5 -0.18219443]
Round1789-----squared error: 3.9246 parameter: [18.3957389 0.85185316 -1.7925553
7 -0.18219087]
Round1790-----squared error: 3.9246 parameter: [18.39575021 0.85168713 -1.7927239
-0.18218727]
Round1791-----squared error: 3.9246 parameter: [18.39576145 0.85152126 -1.7928922
4 -0.18218364]
Round1792-----squared error: 3.9245 parameter: [18.39577265 0.85135553 -1.7930604
-0.18217996]

Round1793-----squared error: 3.9245 parameter: [18.39578378 0.85118995 -1.7932283
7 -0.18217624]
Round1794-----squared error: 3.9245 parameter: [18.39579486 0.85102451 -1.7933961
6 -0.18217248]
Round1795-----squared error: 3.9245 parameter: [18.39580589 0.85085922 -1.7935637
7 -0.18216867]
Round1796-----squared error: 3.9244 parameter: [18.39581686 0.85069407 -1.7937311
9 -0.18216483]
Round1797-----squared error: 3.9244 parameter: [18.39582778 0.85052907 -1.7938984
3 -0.18216095]
Round1798-----squared error: 3.9244 parameter: [18.39583864 0.85036421 -1.7940654
8 -0.18215702]
Round1799-----squared error: 3.9244 parameter: [18.39584944 0.8501995 -1.7942323
5 -0.18215306]
Round1800-----squared error: 3.9244 parameter: [18.3958602 0.85003493 -1.7943990
4 -0.18214906]
Round1801-----squared error: 3.9243 parameter: [18.3958709 0.84987051 -1.7945655
4 -0.18214501]
Round1802-----squared error: 3.9243 parameter: [18.39588154 0.84970623 -1.7947318
6 -0.18214093]
Round1803-----squared error: 3.9243 parameter: [18.39589213 0.8495421 -1.794898
-0.18213681]
Round1804-----squared error: 3.9243 parameter: [18.39590267 0.84937811 -1.7950639
6 -0.18213265]
Round1805-----squared error: 3.9242 parameter: [18.39591316 0.84921426 -1.7952297
3 -0.18212845]
Round1806-----squared error: 3.9242 parameter: [18.39592359 0.84905056 -1.7953953
2 -0.18212421]
Round1807-----squared error: 3.9242 parameter: [18.39593398 0.84888701 -1.7955607
3 -0.18211993]
Round1808-----squared error: 3.9242 parameter: [18.39594431 0.8487236 -1.7957259
6 -0.18211561]
Round1809-----squared error: 3.9242 parameter: [18.39595459 0.84856033 -1.7958910
1 -0.18211126]
Round1810-----squared error: 3.9241 parameter: [18.39596481 0.84839721 -1.7960558
8 -0.18210686]
Round1811-----squared error: 3.9241 parameter: [18.39597499 0.84823423 -1.7962205
7 -0.18210243]
Round1812-----squared error: 3.9241 parameter: [18.39598511 0.84807139 -1.7963850
7 -0.18209796]
Round1813-----squared error: 3.9241 parameter: [18.39599519 0.8479087 -1.7965494
-0.18209345]
Round1814-----squared error: 3.9240 parameter: [18.39600521 0.84774615 -1.7967135
5 -0.18208891]
Round1815-----squared error: 3.9240 parameter: [18.39601519 0.84758374 -1.7968775
2 -0.18208432]
Round1816-----squared error: 3.9240 parameter: [18.39602511 0.84742148 -1.7970413
-0.1820797]
Round1817-----squared error: 3.9240 parameter: [18.39603498 0.84725936 -1.7972049
1 -0.18207505]
Round1818-----squared error: 3.9240 parameter: [18.39604481 0.84709739 -1.7973683
4 -0.18207035]
Round1819-----squared error: 3.9239 parameter: [18.39605459 0.84693556 -1.7975316
-0.18206562]
Round1820-----squared error: 3.9239 parameter: [18.39606431 0.84677387 -1.7976946
7 -0.18206085]
Round1821-----squared error: 3.9239 parameter: [18.39607399 0.84661232 -1.7978575
6 -0.18205605]
Round1822-----squared error: 3.9239 parameter: [18.39608362 0.84645092 -1.7980202
8 -0.18205121]
Round1823-----squared error: 3.9239 parameter: [18.3960932 0.84628965 -1.7981828
2 -0.18204633]
Round1824-----squared error: 3.9238 parameter: [18.39610274 0.84612853 -1.7983451
8 -0.18204142]

Round1825-----squared error: 3.9238 parameter: [18.39611222 0.84596756 -1.7985073
7 -0.18203647]
Round1826-----squared error: 3.9238 parameter: [18.39612166 0.84580672 -1.7986693
7 -0.18203148]
Round1827-----squared error: 3.9238 parameter: [18.39613105 0.84564603 -1.7988312
-0.18202646]
Round1828-----squared error: 3.9238 parameter: [18.3961404 0.84548548 -1.7989928
6 -0.18202141]
Round1829-----squared error: 3.9237 parameter: [18.3961497 0.84532507 -1.7991543
4 -0.18201632]
Round1830-----squared error: 3.9237 parameter: [18.39615895 0.84516481 -1.7993156
4 -0.18201119]
Round1831-----squared error: 3.9237 parameter: [18.39616815 0.84500469 -1.7994767
6 -0.18200603]
Round1832-----squared error: 3.9237 parameter: [18.39617731 0.8448447 -1.7996377
1 -0.18200083]
Round1833-----squared error: 3.9237 parameter: [18.39618643 0.84468486 -1.7997984
9 -0.1819956]
Round1834-----squared error: 3.9236 parameter: [18.39619549 0.84452516 -1.7999590
9 -0.18199033]
Round1835-----squared error: 3.9236 parameter: [18.39620452 0.84436561 -1.8001195
1 -0.18198503]
Round1836-----squared error: 3.9236 parameter: [18.39621349 0.84420619 -1.8002797
6 -0.1819797]
Round1837-----squared error: 3.9236 parameter: [18.39622243 0.84404691 -1.8004398
4 -0.18197433]
Round1838-----squared error: 3.9235 parameter: [18.39623131 0.84388778 -1.8005997
4 -0.18196893]
Round1839-----squared error: 3.9235 parameter: [18.39624016 0.84372879 -1.8007594
7 -0.18196349]
Round1840-----squared error: 3.9235 parameter: [18.39624896 0.84356994 -1.8009190
2 -0.18195802]
Round1841-----squared error: 3.9235 parameter: [18.39625771 0.84341122 -1.8010784
-0.18195252]
Round1842-----squared error: 3.9235 parameter: [18.39626642 0.84325265 -1.8012376
-0.18194698]
Round1843-----squared error: 3.9234 parameter: [18.39627509 0.84309422 -1.8013966
4 -0.18194141]
Round1844-----squared error: 3.9234 parameter: [18.39628372 0.84293593 -1.8015555
-0.18193581]
Round1845-----squared error: 3.9234 parameter: [18.3962923 0.84277779 -1.8017141
9 -0.18193017]
Round1846-----squared error: 3.9234 parameter: [18.39630084 0.84261978 -1.8018727
-0.18192451]
Round1847-----squared error: 3.9234 parameter: [18.39630933 0.84246191 -1.8020310
4 -0.1819188]
Round1848-----squared error: 3.9233 parameter: [18.39631778 0.84230418 -1.8021892
1 -0.18191307]
Round1849-----squared error: 3.9233 parameter: [18.3963262 0.84214659 -1.8023472
1 -0.1819073]
Round1850-----squared error: 3.9233 parameter: [18.39633456 0.84198914 -1.8025050
4 -0.1819015]
Round1851-----squared error: 3.9233 parameter: [18.39634289 0.84183184 -1.8026627
-0.18189567]
Round1852-----squared error: 3.9233 parameter: [18.39635118 0.84167467 -1.8028201
8 -0.18188981]
Round1853-----squared error: 3.9232 parameter: [18.39635942 0.84151764 -1.8029774
9 -0.18188392]
Round1854-----squared error: 3.9232 parameter: [18.39636762 0.84136075 -1.8031346
4 -0.18187799]
Round1855-----squared error: 3.9232 parameter: [18.39637579 0.841204 -1.8032916
1 -0.18187203]
Round1856-----squared error: 3.9232 parameter: [18.39638391 0.84104739 -1.8034484
1 -0.18186604]

Round1857-----squared error: 3.9232 parameter: [18.39639199 0.84089092 -1.80360504 -0.18186002]
Round1858-----squared error: 3.9231 parameter: [18.39640003 0.84073458 -1.80376151 -0.18185397]
Round1859-----squared error: 3.9231 parameter: [18.39640803 0.84057839 -1.8039178 -0.18184789]
Round1860-----squared error: 3.9231 parameter: [18.39641599 0.84042234 -1.80407392 -0.18184178]
Round1861-----squared error: 3.9231 parameter: [18.39642391 0.84026642 -1.80422988 -0.18183563]
Round1862-----squared error: 3.9231 parameter: [18.39643179 0.84011064 -1.80438566 -0.18182946]
Round1863-----squared error: 3.9231 parameter: [18.39643963 0.83995501 -1.80454128 -0.18182325]
Round1864-----squared error: 3.9230 parameter: [18.39644743 0.83979951 -1.80469673 -0.18181702]
Round1865-----squared error: 3.9230 parameter: [18.39645519 0.83964415 -1.80485201 -0.18181075]
Round1866-----squared error: 3.9230 parameter: [18.39646292 0.83948892 -1.80500712 -0.18180446]
Round1867-----squared error: 3.9230 parameter: [18.3964706 0.83933384 -1.80516207 -0.18179813]
Round1868-----squared error: 3.9230 parameter: [18.39647825 0.83917889 -1.80531684 -0.18179178]
Round1869-----squared error: 3.9229 parameter: [18.39648586 0.83902408 -1.80547145 -0.18178539]
Round1870-----squared error: 3.9229 parameter: [18.39649343 0.83886941 -1.80562589 -0.18177898]
Round1871-----squared error: 3.9229 parameter: [18.39650096 0.83871488 -1.80578017 -0.18177253]
Round1872-----squared error: 3.9229 parameter: [18.39650846 0.83856048 -1.80593428 -0.18176606]
Round1873-----squared error: 3.9229 parameter: [18.39651592 0.83840623 -1.80608822 -0.18175956]
Round1874-----squared error: 3.9228 parameter: [18.39652334 0.83825211 -1.80624199 -0.18175303]
Round1875-----squared error: 3.9228 parameter: [18.39653072 0.83809812 -1.8063956 -0.18174647]
Round1876-----squared error: 3.9228 parameter: [18.39653807 0.83794428 -1.80654904 -0.18173988]
Round1877-----squared error: 3.9228 parameter: [18.39654538 0.83779057 -1.80670232 -0.18173326]
Round1878-----squared error: 3.9228 parameter: [18.39655265 0.837637 -1.80685543 -0.18172662]
Round1879-----squared error: 3.9227 parameter: [18.39655989 0.83748357 -1.80700838 -0.18171994]
Round1880-----squared error: 3.9227 parameter: [18.39656709 0.83733027 -1.80716116 -0.18171324]
Round1881-----squared error: 3.9227 parameter: [18.39657425 0.83717711 -1.80731378 -0.18170651]
Round1882-----squared error: 3.9227 parameter: [18.39658138 0.83702409 -1.80746623 -0.18169976]
Round1883-----squared error: 3.9227 parameter: [18.39658847 0.8368712 -1.80761852 -0.18169297]
Round1884-----squared error: 3.9227 parameter: [18.39659553 0.83671845 -1.80777064 -0.18168616]
Round1885-----squared error: 3.9226 parameter: [18.39660255 0.83656584 -1.8079226 -0.18167932]
Round1886-----squared error: 3.9226 parameter: [18.39660954 0.83641336 -1.80807439 -0.18167245]
Round1887-----squared error: 3.9226 parameter: [18.39661649 0.83626102 -1.80822603 -0.18166555]
Round1888-----squared error: 3.9226 parameter: [18.39662341 0.83610881 -1.80837749 -0.18165863]

Round1889-----squared error: 3.9226 parameter: [18.39663029 0.83595674 -1.8085288
-0.18165168]
Round1890-----squared error: 3.9225 parameter: [18.39663714 0.83580481 -1.8086799
4 -0.1816447]
Round1891-----squared error: 3.9225 parameter: [18.39664396 0.83565301 -1.8088309
2 -0.1816377]
Round1892-----squared error: 3.9225 parameter: [18.39665074 0.83550135 -1.8089817
4 -0.18163067]
Round1893-----squared error: 3.9225 parameter: [18.39665748 0.83534983 -1.8091323
9 -0.18162361]
Round1894-----squared error: 3.9225 parameter: [18.39666419 0.83519843 -1.8092828
8 -0.18161653]
Round1895-----squared error: 3.9225 parameter: [18.39667087 0.83504718 -1.8094332
2 -0.18160942]
Round1896-----squared error: 3.9224 parameter: [18.39667752 0.83489606 -1.8095833
8 -0.18160229]
Round1897-----squared error: 3.9224 parameter: [18.39668413 0.83474508 -1.8097333
9 -0.18159512]
Round1898-----squared error: 3.9224 parameter: [18.39669071 0.83459423 -1.8098832
4 -0.18158794]
Round1899-----squared error: 3.9224 parameter: [18.39669726 0.83444351 -1.8100329
2 -0.18158072]
Round1900-----squared error: 3.9224 parameter: [18.39670377 0.83429293 -1.8101824
4 -0.18157349]
Round1901-----squared error: 3.9223 parameter: [18.39671025 0.83414249 -1.8103318
1 -0.18156622]
Round1902-----squared error: 3.9223 parameter: [18.3967167 0.83399218 -1.8104810
1 -0.18155893]
Round1903-----squared error: 3.9223 parameter: [18.39672312 0.833842 -1.8106300
5 -0.18155162]
Round1904-----squared error: 3.9223 parameter: [18.3967295 0.83369196 -1.8107789
3 -0.18154428]
Round1905-----squared error: 3.9223 parameter: [18.39673585 0.83354206 -1.8109276
6 -0.18153691]
Round1906-----squared error: 3.9223 parameter: [18.39674217 0.83339228 -1.8110762
2 -0.18152952]
Round1907-----squared error: 3.9222 parameter: [18.39674846 0.83324265 -1.8112246
2 -0.1815221]
Round1908-----squared error: 3.9222 parameter: [18.39675472 0.83309314 -1.8113728
7 -0.18151466]
Round1909-----squared error: 3.9222 parameter: [18.39676095 0.83294377 -1.8115209
5 -0.1815072]
Round1910-----squared error: 3.9222 parameter: [18.39676714 0.83279454 -1.8116688
8 -0.18149971]
Round1911-----squared error: 3.9222 parameter: [18.39677331 0.83264544 -1.8118166
4 -0.1814922]
Round1912-----squared error: 3.9221 parameter: [18.39677944 0.83249647 -1.8119642
5 -0.18148466]
Round1913-----squared error: 3.9221 parameter: [18.39678554 0.83234763 -1.8121117
-0.1814771]
Round1914-----squared error: 3.9221 parameter: [18.39679162 0.83219893 -1.8122589
9 -0.18146951]
Round1915-----squared error: 3.9221 parameter: [18.39679766 0.83205037 -1.8124061
3 -0.1814619]
Round1916-----squared error: 3.9221 parameter: [18.39680367 0.83190193 -1.8125531
-0.18145427]
Round1917-----squared error: 3.9221 parameter: [18.39680965 0.83175363 -1.8126999
2 -0.18144661]
Round1918-----squared error: 3.9220 parameter: [18.3968156 0.83160546 -1.8128465
8 -0.18143893]
Round1919-----squared error: 3.9220 parameter: [18.39682153 0.83145743 -1.8129930
9 -0.18143122]
Round1920-----squared error: 3.9220 parameter: [18.39682742 0.83130953 -1.8131394
4 -0.1814235]

Round1921-----squared error: 3.9220 parameter: [18.39683328 0.83116176 -1.8132856
3 -0.18141575]
Round1922-----squared error: 3.9220 parameter: [18.39683911 0.83101412 -1.8134316
6 -0.18140797]
Round1923-----squared error: 3.9220 parameter: [18.39684492 0.83086662 -1.8135775
4 -0.18140017]
Round1924-----squared error: 3.9219 parameter: [18.39685069 0.83071925 -1.8137232
6 -0.18139235]
Round1925-----squared error: 3.9219 parameter: [18.39685644 0.83057201 -1.8138688
3 -0.18138451]
Round1926-----squared error: 3.9219 parameter: [18.39686216 0.8304249 -1.8140142
4 -0.18137665]
Round1927-----squared error: 3.9219 parameter: [18.39686785 0.83027793 -1.8141594
9 -0.18136876]
Round1928-----squared error: 3.9219 parameter: [18.39687351 0.83013108 -1.8143045
9 -0.18136085]
Round1929-----squared error: 3.9219 parameter: [18.39687914 0.82998437 -1.8144495
4 -0.18135291]
Round1930-----squared error: 3.9218 parameter: [18.39688474 0.8298378 -1.8145943
3 -0.18134496]
Round1931-----squared error: 3.9218 parameter: [18.39689032 0.82969135 -1.8147389
6 -0.18133698]
Round1932-----squared error: 3.9218 parameter: [18.39689587 0.82954504 -1.8148834
4 -0.18132898]
Round1933-----squared error: 3.9218 parameter: [18.39690139 0.82939885 -1.8150277
7 -0.18132096]
Round1934-----squared error: 3.9218 parameter: [18.39690688 0.8292528 -1.8151719
4 -0.18131292]
Round1935-----squared error: 3.9218 parameter: [18.39691235 0.82910688 -1.8153159
5 -0.18130485]
Round1936-----squared error: 3.9217 parameter: [18.39691779 0.82896109 -1.8154598
2 -0.18129677]
Round1937-----squared error: 3.9217 parameter: [18.3969232 0.82881543 -1.8156035
3 -0.18128866]
Round1938-----squared error: 3.9217 parameter: [18.39692858 0.82866991 -1.8157470
9 -0.18128053]
Round1939-----squared error: 3.9217 parameter: [18.39693394 0.82852451 -1.8158904
9 -0.18127238]
Round1940-----squared error: 3.9217 parameter: [18.39693927 0.82837925 -1.8160337
4 -0.18126421]
Round1941-----squared error: 3.9217 parameter: [18.39694457 0.82823412 -1.8161768
4 -0.18125601]
Round1942-----squared error: 3.9216 parameter: [18.39694985 0.82808911 -1.8163197
8 -0.1812478]
Round1943-----squared error: 3.9216 parameter: [18.3969551 0.82794424 -1.8164625
7 -0.18123956]
Round1944-----squared error: 3.9216 parameter: [18.39696033 0.8277995 -1.8166052
1 -0.18123131]
Round1945-----squared error: 3.9216 parameter: [18.39696552 0.82765489 -1.8167477
-0.18122303]
Round1946-----squared error: 3.9216 parameter: [18.3969707 0.82751041 -1.8168900
4 -0.18121474]
Round1947-----squared error: 3.9216 parameter: [18.39697584 0.82736606 -1.8170322
2 -0.18120642]
Round1948-----squared error: 3.9215 parameter: [18.39698096 0.82722184 -1.8171742
6 -0.18119808]
Round1949-----squared error: 3.9215 parameter: [18.39698606 0.82707775 -1.8173161
4 -0.18118972]
Round1950-----squared error: 3.9215 parameter: [18.39699113 0.82693379 -1.8174578
7 -0.18118135]
Round1951-----squared error: 3.9215 parameter: [18.39699617 0.82678995 -1.8175994
5 -0.18117295]
Round1952-----squared error: 3.9215 parameter: [18.39700119 0.82664625 -1.8177408
8 -0.18116453]

Round1953-----squared error: 3.9215 parameter: [18.39700619 0.82650268 -1.8178821
6 -0.18115609]
Round1954-----squared error: 3.9214 parameter: [18.39701116 0.82635924 -1.8180232
9 -0.18114764]
Round1955-----squared error: 3.9214 parameter: [18.3970161 0.82621593 -1.8181642
6 -0.18113916]
Round1956-----squared error: 3.9214 parameter: [18.39702102 0.82607275 -1.8183050
9 -0.18113066]
Round1957-----squared error: 3.9214 parameter: [18.39702591 0.82592969 -1.8184457
7 -0.18112215]
Round1958-----squared error: 3.9214 parameter: [18.39703078 0.82578677 -1.8185863
-0.18111361]
Round1959-----squared error: 3.9214 parameter: [18.39703563 0.82564397 -1.8187266
8 -0.18110506]
Round1960-----squared error: 3.9213 parameter: [18.39704045 0.82550131 -1.8188669
1 -0.18109648]
Round1961-----squared error: 3.9213 parameter: [18.39704525 0.82535877 -1.8190069
9 -0.18108789]
Round1962-----squared error: 3.9213 parameter: [18.39705002 0.82521636 -1.8191469
2 -0.18107928]
Round1963-----squared error: 3.9213 parameter: [18.39705477 0.82507408 -1.8192867
-0.18107065]
Round1964-----squared error: 3.9213 parameter: [18.3970595 0.82493193 -1.8194263
4 -0.181062]
Round1965-----squared error: 3.9213 parameter: [18.3970642 0.8247899 -1.8195658
2 -0.18105333]
Round1966-----squared error: 3.9212 parameter: [18.39706888 0.82464801 -1.8197051
6 -0.18104465]
Round1967-----squared error: 3.9212 parameter: [18.39707354 0.82450624 -1.8198443
5 -0.18103594]
Round1968-----squared error: 3.9212 parameter: [18.39707817 0.8243646 -1.8199833
9 -0.18102722]
Round1969-----squared error: 3.9212 parameter: [18.39708278 0.82422309 -1.8201222
9 -0.18101848]
Round1970-----squared error: 3.9212 parameter: [18.39708736 0.82408171 -1.8202610
4 -0.18100972]
Round1971-----squared error: 3.9212 parameter: [18.39709193 0.82394046 -1.8203996
4 -0.18100094]
Round1972-----squared error: 3.9212 parameter: [18.39709647 0.82379933 -1.8205380
9 -0.18099215]
Round1973-----squared error: 3.9211 parameter: [18.39710099 0.82365833 -1.8206764
-0.18098333]
Round1974-----squared error: 3.9211 parameter: [18.39710548 0.82351746 -1.8208145
6 -0.1809745]
Round1975-----squared error: 3.9211 parameter: [18.39710995 0.82337671 -1.8209525
7 -0.18096565]
Round1976-----squared error: 3.9211 parameter: [18.3971144 0.8232361 -1.8210904
3 -0.18095679]
Round1977-----squared error: 3.9211 parameter: [18.39711883 0.82309561 -1.8212281
6 -0.1809479]
Round1978-----squared error: 3.9211 parameter: [18.39712324 0.82295524 -1.8213657
3 -0.180939]
Round1979-----squared error: 3.9210 parameter: [18.39712762 0.82281501 -1.8215031
6 -0.18093008]
Round1980-----squared error: 3.9210 parameter: [18.39713198 0.8226749 -1.8216404
4 -0.18092115]
Round1981-----squared error: 3.9210 parameter: [18.39713632 0.82253492 -1.8217775
8 -0.18091219]
Round1982-----squared error: 3.9210 parameter: [18.39714064 0.82239506 -1.8219145
7 -0.18090322]
Round1983-----squared error: 3.9210 parameter: [18.39714494 0.82225534 -1.8220514
2 -0.18089424]
Round1984-----squared error: 3.9210 parameter: [18.39714921 0.82211573 -1.8221881
2 -0.18088523]

Round1985-----squared error: 3.9209 parameter: [18.39715347 0.82197626 -1.8223246
8 -0.18087621]
Round1986-----squared error: 3.9209 parameter: [18.3971577 0.82183691 -1.8224610
9 -0.18086718]
Round1987-----squared error: 3.9209 parameter: [18.39716191 0.82169769 -1.8225973
6 -0.18085812]
Round1988-----squared error: 3.9209 parameter: [18.3971661 0.82155859 -1.8227334
9 -0.18084905]
Round1989-----squared error: 3.9209 parameter: [18.39717027 0.82141962 -1.8228694
7 -0.18083997]
Round1990-----squared error: 3.9209 parameter: [18.39717442 0.82128078 -1.8230053
-0.18083086]
Round1991-----squared error: 3.9209 parameter: [18.39717855 0.82114206 -1.823141
-0.18082174]
Round1992-----squared error: 3.9208 parameter: [18.39718266 0.82100347 -1.8232765
5 -0.18081261]
Round1993-----squared error: 3.9208 parameter: [18.39718674 0.820865 -1.8234119
5 -0.18080346]
Round1994-----squared error: 3.9208 parameter: [18.39719081 0.82072666 -1.8235472
2 -0.18079429]
Round1995-----squared error: 3.9208 parameter: [18.39719485 0.82058844 -1.8236823
4 -0.18078511]
Round1996-----squared error: 3.9208 parameter: [18.39719888 0.82045035 -1.8238173
1 -0.18077591]
Round1997-----squared error: 3.9208 parameter: [18.39720289 0.82031239 -1.8239521
5 -0.18076669]
Round1998-----squared error: 3.9208 parameter: [18.39720687 0.82017455 -1.8240868
4 -0.18075746]
Round1999-----squared error: 3.9207 parameter: [18.39721084 0.82003683 -1.8242213
9 -0.18074822]
Round2000-----squared error: 3.9207 parameter: [18.39721478 0.81989924 -1.8243558
-0.18073895]
Round2001-----squared error: 3.9207 parameter: [18.39721871 0.81976178 -1.8244900
7 -0.18072968]
Round2002-----squared error: 3.9207 parameter: [18.39722262 0.81962444 -1.8246241
9 -0.18072039]
Round2003-----squared error: 3.9207 parameter: [18.3972265 0.81948722 -1.8247581
7 -0.18071108]
Round2004-----squared error: 3.9207 parameter: [18.39723037 0.81935013 -1.8248920
1 -0.18070176]
Round2005-----squared error: 3.9207 parameter: [18.39723422 0.81921317 -1.8250257
1 -0.18069242]
Round2006-----squared error: 3.9206 parameter: [18.39723805 0.81907632 -1.8251592
7 -0.18068307]
Round2007-----squared error: 3.9206 parameter: [18.39724186 0.81893961 -1.8252926
9 -0.1806737]
Round2008-----squared error: 3.9206 parameter: [18.39724565 0.81880301 -1.8254259
7 -0.18066432]
Round2009-----squared error: 3.9206 parameter: [18.39724942 0.81866654 -1.8255591
1 -0.18065492]
Round2010-----squared error: 3.9206 parameter: [18.39725317 0.8185302 -1.8256921
-0.18064551]
Round2011-----squared error: 3.9206 parameter: [18.39725691 0.81839398 -1.8258249
6 -0.18063609]
Round2012-----squared error: 3.9205 parameter: [18.39726062 0.81825788 -1.8259576
8 -0.18062665]
Round2013-----squared error: 3.9205 parameter: [18.39726432 0.81812191 -1.8260902
5 -0.18061719]
Round2014-----squared error: 3.9205 parameter: [18.397268 0.81798606 -1.8262226
9 -0.18060772]
Round2015-----squared error: 3.9205 parameter: [18.39727166 0.81785033 -1.8263549
9 -0.18059824]
Round2016-----squared error: 3.9205 parameter: [18.3972753 0.81771473 -1.8264871
5 -0.18058874]

Round2017-----squared error: 3.9205 parameter: [18.39727892 0.81757925 -1.8266191
7 -0.18057923]
Round2018-----squared error: 3.9205 parameter: [18.39728253 0.81744389 -1.8267510
5 -0.18056971]
Round2019-----squared error: 3.9204 parameter: [18.39728611 0.81730866 -1.8268827
9 -0.18056017]
Round2020-----squared error: 3.9204 parameter: [18.39728968 0.81717355 -1.8270143
9 -0.18055062]
Round2021-----squared error: 3.9204 parameter: [18.39729324 0.81703856 -1.8271458
5 -0.18054105]
Round2022-----squared error: 3.9204 parameter: [18.39729677 0.8169037 -1.8272771
8 -0.18053147]
Round2023-----squared error: 3.9204 parameter: [18.39730029 0.81676895 -1.8274083
7 -0.18052188]
Round2024-----squared error: 3.9204 parameter: [18.39730378 0.81663434 -1.8275394
2 -0.18051227]
Round2025-----squared error: 3.9204 parameter: [18.39730727 0.81649984 -1.8276703
3 -0.18050265]
Round2026-----squared error: 3.9203 parameter: [18.39731073 0.81636546 -1.8278011
-0.18049302]
Round2027-----squared error: 3.9203 parameter: [18.39731418 0.81623121 -1.8279317
4 -0.18048337]
Round2028-----squared error: 3.9203 parameter: [18.3973176 0.81609708 -1.8280622
4 -0.18047372]
Round2029-----squared error: 3.9203 parameter: [18.39732102 0.81596308 -1.8281926
-0.18046404]
Round2030-----squared error: 3.9203 parameter: [18.39732441 0.81582919 -1.8283228
2 -0.18045436]
Round2031-----squared error: 3.9203 parameter: [18.39732779 0.81569543 -1.8284529
1 -0.18044466]
Round2032-----squared error: 3.9203 parameter: [18.39733115 0.81556179 -1.8285828
6 -0.18043495]
Round2033-----squared error: 3.9203 parameter: [18.39733449 0.81542827 -1.8287126
8 -0.18042522]
Round2034-----squared error: 3.9202 parameter: [18.39733782 0.81529487 -1.8288423
6 -0.18041549]
Round2035-----squared error: 3.9202 parameter: [18.39734113 0.81516159 -1.8289719
-0.18040574]
Round2036-----squared error: 3.9202 parameter: [18.39734443 0.81502844 -1.8291013
1 -0.18039598]
Round2037-----squared error: 3.9202 parameter: [18.39734771 0.8148954 -1.8292305
8 -0.1803862]
Round2038-----squared error: 3.9202 parameter: [18.39735097 0.81476249 -1.8293597
1 -0.18037642]
Round2039-----squared error: 3.9202 parameter: [18.39735421 0.8146297 -1.8294887
1 -0.18036662]
Round2040-----squared error: 3.9202 parameter: [18.39735744 0.81449703 -1.8296175
7 -0.18035681]
Round2041-----squared error: 3.9201 parameter: [18.39736065 0.81436448 -1.8297463
-0.18034698]
Round2042-----squared error: 3.9201 parameter: [18.39736385 0.81423206 -1.8298749
-0.18033715]
Round2043-----squared error: 3.9201 parameter: [18.39736703 0.81409975 -1.8300033
6 -0.1803273]
Round2044-----squared error: 3.9201 parameter: [18.3973702 0.81396756 -1.8301316
8 -0.18031744]
Round2045-----squared error: 3.9201 parameter: [18.39737335 0.8138355 -1.8302598
7 -0.18030757]
Round2046-----squared error: 3.9201 parameter: [18.39737648 0.81370355 -1.8303879
3 -0.18029769]
Round2047-----squared error: 3.9201 parameter: [18.3973796 0.81357173 -1.8305158
5 -0.18028779]
Round2048-----squared error: 3.9200 parameter: [18.3973827 0.81344002 -1.8306436
3 -0.18027789]

Round2049-----squared error: 3.9200 parameter: [18.39738578 0.81330844 -1.8307712
9 -0.18026797]
Round2050-----squared error: 3.9200 parameter: [18.39738886 0.81317697 -1.8308988
1 -0.18025804]
Round2051-----squared error: 3.9200 parameter: [18.39739191 0.81304563 -1.8310261
9 -0.1802481]
Round2052-----squared error: 3.9200 parameter: [18.39739495 0.81291441 -1.8311534
5 -0.18023815]
Round2053-----squared error: 3.9200 parameter: [18.39739798 0.8127833 -1.8312805
6 -0.18022819]
Round2054-----squared error: 3.9200 parameter: [18.39740099 0.81265232 -1.8314075
5 -0.18021821]
Round2055-----squared error: 3.9200 parameter: [18.39740398 0.81252145 -1.8315344
-0.18020823]
Round2056-----squared error: 3.9199 parameter: [18.39740696 0.81239071 -1.8316611
2 -0.18019823]
Round2057-----squared error: 3.9199 parameter: [18.39740993 0.81226008 -1.8317877
1 -0.18018822]
Round2058-----squared error: 3.9199 parameter: [18.39741288 0.81212957 -1.8319141
7 -0.1801782]
Round2059-----squared error: 3.9199 parameter: [18.39741581 0.81199919 -1.8320404
9 -0.18016818]
Round2060-----squared error: 3.9199 parameter: [18.39741873 0.81186892 -1.8321666
8 -0.18015814]
Round2061-----squared error: 3.9199 parameter: [18.39742164 0.81173877 -1.8322927
4 -0.18014809]
Round2062-----squared error: 3.9199 parameter: [18.39742453 0.81160874 -1.8324186
7 -0.18013802]
Round2063-----squared error: 3.9198 parameter: [18.39742741 0.81147883 -1.8325444
6 -0.18012795]
Round2064-----squared error: 3.9198 parameter: [18.39743027 0.81134904 -1.8326701
3 -0.18011787]
Round2065-----squared error: 3.9198 parameter: [18.39743312 0.81121936 -1.8327956
6 -0.18010778]
Round2066-----squared error: 3.9198 parameter: [18.39743596 0.81108981 -1.8329210
6 -0.18009768]
Round2067-----squared error: 3.9198 parameter: [18.39743878 0.81096037 -1.8330463
3 -0.18008756]
Round2068-----squared error: 3.9198 parameter: [18.39744158 0.81083105 -1.8331714
7 -0.18007744]
Round2069-----squared error: 3.9198 parameter: [18.39744437 0.81070185 -1.8332964
8 -0.18006731]
Round2070-----squared error: 3.9198 parameter: [18.39744715 0.81057277 -1.8334213
6 -0.18005716]
Round2071-----squared error: 3.9197 parameter: [18.39744992 0.81044381 -1.8335461
-0.18004701]
Round2072-----squared error: 3.9197 parameter: [18.39745267 0.81031496 -1.8336707
2 -0.18003685]
Round2073-----squared error: 3.9197 parameter: [18.3974554 0.81018624 -1.8337952
1 -0.18002667]
Round2074-----squared error: 3.9197 parameter: [18.39745813 0.81005763 -1.8339195
7 -0.18001649]
Round2075-----squared error: 3.9197 parameter: [18.39746084 0.80992913 -1.8340437
9 -0.1800063]
Round2076-----squared error: 3.9197 parameter: [18.39746353 0.80980076 -1.8341678
9 -0.17999609]
Round2077-----squared error: 3.9197 parameter: [18.39746621 0.8096725 -1.8342918
6 -0.17998588]
Round2078-----squared error: 3.9197 parameter: [18.39746888 0.80954436 -1.8344157
-0.17997566]
Round2079-----squared error: 3.9196 parameter: [18.39747154 0.80941634 -1.8345394
1 -0.17996543]
Round2080-----squared error: 3.9196 parameter: [18.39747418 0.80928844 -1.8346629
9 -0.17995519]

Round2081-----squared error: 3.9196 parameter: [18.39747681 0.80916065 -1.8347864
4 -0.17994494]
Round2082-----squared error: 3.9196 parameter: [18.39747943 0.80903298 -1.8349097
7 -0.17993468]
Round2083-----squared error: 3.9196 parameter: [18.39748203 0.80890543 -1.8350329
6 -0.17992441]
Round2084-----squared error: 3.9196 parameter: [18.39748462 0.80877799 -1.8351560
3 -0.17991414]
Round2085-----squared error: 3.9196 parameter: [18.3974872 0.80865067 -1.8352789
6 -0.17990385]
Round2086-----squared error: 3.9196 parameter: [18.39748976 0.80852347 -1.8354017
7 -0.17989355]
Round2087-----squared error: 3.9195 parameter: [18.39749231 0.80839638 -1.8355244
6 -0.17988325]
Round2088-----squared error: 3.9195 parameter: [18.39749485 0.80826941 -1.8356470
1 -0.17987294]
Round2089-----squared error: 3.9195 parameter: [18.39749738 0.80814256 -1.8357694
4 -0.17986261]
Round2090-----squared error: 3.9195 parameter: [18.39749989 0.80801582 -1.8358917
4 -0.17985228]
Round2091-----squared error: 3.9195 parameter: [18.39750239 0.8078892 -1.8360139
1 -0.17984194]
Round2092-----squared error: 3.9195 parameter: [18.39750488 0.80776269 -1.8361359
5 -0.1798316]
Round2093-----squared error: 3.9195 parameter: [18.39750735 0.8076363 -1.8362578
7 -0.17982124]
Round2094-----squared error: 3.9195 parameter: [18.39750982 0.80751003 -1.8363796
6 -0.17981087]
Round2095-----squared error: 3.9194 parameter: [18.39751227 0.80738387 -1.8365013
2 -0.1798005]
Round2096-----squared error: 3.9194 parameter: [18.39751471 0.80725783 -1.8366228
6 -0.17979012]
Round2097-----squared error: 3.9194 parameter: [18.39751713 0.80713191 -1.8367442
7 -0.17977973]
Round2098-----squared error: 3.9194 parameter: [18.39751955 0.80700609 -1.8368655
6 -0.17976933]
Round2099-----squared error: 3.9194 parameter: [18.39752195 0.8068804 -1.8369867
1 -0.17975892]
Round2100-----squared error: 3.9194 parameter: [18.39752434 0.80675482 -1.8371077
5 -0.17974851]
Round2101-----squared error: 3.9194 parameter: [18.39752672 0.80662936 -1.8372286
5 -0.17973809]
Round2102-----squared error: 3.9194 parameter: [18.39752908 0.80650401 -1.8373494
3 -0.17972765]
Round2103-----squared error: 3.9193 parameter: [18.39753144 0.80637877 -1.8374700
9 -0.17971722]
Round2104-----squared error: 3.9193 parameter: [18.39753378 0.80625365 -1.8375906
2 -0.17970677]
Round2105-----squared error: 3.9193 parameter: [18.39753611 0.80612865 -1.8377110
2 -0.17969631]
Round2106-----squared error: 3.9193 parameter: [18.39753843 0.80600376 -1.8378313
-0.17968585]
Round2107-----squared error: 3.9193 parameter: [18.39754074 0.80587899 -1.8379514
5 -0.17967538]
Round2108-----squared error: 3.9193 parameter: [18.39754304 0.80575433 -1.8380714
8 -0.1796649]
Round2109-----squared error: 3.9193 parameter: [18.39754532 0.80562978 -1.8381913
9 -0.17965442]
Round2110-----squared error: 3.9193 parameter: [18.39754759 0.80550535 -1.8383111
7 -0.17964393]
Round2111-----squared error: 3.9192 parameter: [18.39754986 0.80538103 -1.8384308
3 -0.17963343]
Round2112-----squared error: 3.9192 parameter: [18.39755211 0.80525683 -1.8385503
6 -0.17962292]

Round2113-----squared error: 3.9192 parameter: [18.39755435 0.80513274 -1.8386697
6 -0.1796124]
Round2114-----squared error: 3.9192 parameter: [18.39755657 0.80500877 -1.8387890
5 -0.17960188]
Round2115-----squared error: 3.9192 parameter: [18.39755879 0.80488491 -1.8389082
1 -0.17959135]
Round2116-----squared error: 3.9192 parameter: [18.397561 0.80476116 -1.8390272
4 -0.17958081]
Round2117-----squared error: 3.9192 parameter: [18.39756319 0.80463753 -1.8391461
6 -0.17957027]
Round2118-----squared error: 3.9192 parameter: [18.39756538 0.80451401 -1.8392649
5 -0.17955972]
Round2119-----squared error: 3.9192 parameter: [18.39756755 0.8043906 -1.8393836
1 -0.17954916]
Round2120-----squared error: 3.9191 parameter: [18.39756971 0.80426731 -1.8395021
5 -0.1795386]
Round2121-----squared error: 3.9191 parameter: [18.39757186 0.80414413 -1.8396205
7 -0.17952803]
Round2122-----squared error: 3.9191 parameter: [18.397574 0.80402107 -1.8397388
7 -0.17951745]
Round2123-----squared error: 3.9191 parameter: [18.39757613 0.80389812 -1.8398570
5 -0.17950686]
Round2124-----squared error: 3.9191 parameter: [18.39757825 0.80377528 -1.8399751
-0.17949627]
Round2125-----squared error: 3.9191 parameter: [18.39758036 0.80365255 -1.8400930
3 -0.17948567]
Round2126-----squared error: 3.9191 parameter: [18.39758246 0.80352994 -1.8402108
4 -0.17947506]
Round2127-----squared error: 3.9191 parameter: [18.39758455 0.80340744 -1.8403285
2 -0.17946445]
Round2128-----squared error: 3.9190 parameter: [18.39758663 0.80328505 -1.8404460
8 -0.17945383]
Round2129-----squared error: 3.9190 parameter: [18.39758869 0.80316277 -1.8405635
3 -0.17944321]
Round2130-----squared error: 3.9190 parameter: [18.39759075 0.80304061 -1.8406808
5 -0.17943258]
Round2131-----squared error: 3.9190 parameter: [18.39759279 0.80291856 -1.8407980
5 -0.17942194]
Round2132-----squared error: 3.9190 parameter: [18.39759483 0.80279662 -1.8409151
2 -0.1794113]
Round2133-----squared error: 3.9190 parameter: [18.39759686 0.8026748 -1.8410320
8 -0.17940065]
Round2134-----squared error: 3.9190 parameter: [18.39759887 0.80255309 -1.8411489
1 -0.17938999]
Round2135-----squared error: 3.9190 parameter: [18.39760088 0.80243149 -1.8412656
3 -0.17937933]
Round2136-----squared error: 3.9190 parameter: [18.39760287 0.80231 -1.8413822
2 -0.17936866]
Round2137-----squared error: 3.9189 parameter: [18.39760486 0.80218862 -1.8414986
9 -0.17935798]
Round2138-----squared error: 3.9189 parameter: [18.39760683 0.80206735 -1.8416150
5 -0.1793473]
Round2139-----squared error: 3.9189 parameter: [18.3976088 0.8019462 -1.8417312
8 -0.17933662]
Round2140-----squared error: 3.9189 parameter: [18.39761076 0.80182516 -1.8418473
9 -0.17932593]
Round2141-----squared error: 3.9189 parameter: [18.3976127 0.80170423 -1.8419633
8 -0.17931523]
Round2142-----squared error: 3.9189 parameter: [18.39761464 0.80158341 -1.8420792
5 -0.17930452]
Round2143-----squared error: 3.9189 parameter: [18.39761657 0.8014627 -1.842195
-0.17929381]
Round2144-----squared error: 3.9189 parameter: [18.39761848 0.8013421 -1.8423106
3 -0.1792831]

Round2145-----squared error: 3.9189 parameter: [18.39762039 0.80122162 -1.8424261
5 -0.17927238]
Round2146-----squared error: 3.9188 parameter: [18.39762229 0.80110125 -1.8425415
4 -0.17926165]
Round2147-----squared error: 3.9188 parameter: [18.39762418 0.80098098 -1.8426568
1 -0.17925092]
Round2148-----squared error: 3.9188 parameter: [18.39762606 0.80086083 -1.8427719
7 -0.17924018]
Round2149-----squared error: 3.9188 parameter: [18.39762793 0.80074079 -1.842887
-0.17922944]
Round2150-----squared error: 3.9188 parameter: [18.39762979 0.80062086 -1.8430019
2 -0.17921869]
Round2151-----squared error: 3.9188 parameter: [18.39763164 0.80050104 -1.8431167
2 -0.17920794]
Round2152-----squared error: 3.9188 parameter: [18.39763348 0.80038133 -1.8432314
-0.17919718]
Round2153-----squared error: 3.9188 parameter: [18.39763531 0.80026173 -1.8433459
6 -0.17918642]
Round2154-----squared error: 3.9188 parameter: [18.39763714 0.80014224 -1.8434604
-0.17917565]
Round2155-----squared error: 3.9187 parameter: [18.39763895 0.80002286 -1.8435747
3 -0.17916487]
Round2156-----squared error: 3.9187 parameter: [18.39764076 0.79990359 -1.8436889
3 -0.1791541]
Round2157-----squared error: 3.9187 parameter: [18.39764255 0.79978443 -1.8438030
2 -0.17914331]
Round2158-----squared error: 3.9187 parameter: [18.39764434 0.79966538 -1.8439169
9 -0.17913252]
Round2159-----squared error: 3.9187 parameter: [18.39764612 0.79954644 -1.8440308
5 -0.17912173]
Round2160-----squared error: 3.9187 parameter: [18.39764789 0.79942762 -1.8441445
8 -0.17911093]
Round2161-----squared error: 3.9187 parameter: [18.39764965 0.7993089 -1.8442582
-0.17910013]
Round2162-----squared error: 3.9187 parameter: [18.3976514 0.79919029 -1.8443717
-0.17908932]
Round2163-----squared error: 3.9187 parameter: [18.39765314 0.79907179 -1.8444850
9 -0.17907851]
Round2164-----squared error: 3.9186 parameter: [18.39765488 0.79895339 -1.8445983
6 -0.17906769]
Round2165-----squared error: 3.9186 parameter: [18.3976566 0.79883511 -1.8447115
1 -0.17905687]
Round2166-----squared error: 3.9186 parameter: [18.39765832 0.79871694 -1.8448245
4 -0.17904604]
Round2167-----squared error: 3.9186 parameter: [18.39766003 0.79859888 -1.8449374
6 -0.17903521]
Round2168-----squared error: 3.9186 parameter: [18.39766173 0.79848092 -1.8450502
6 -0.17902438]
Round2169-----squared error: 3.9186 parameter: [18.39766342 0.79836308 -1.8451629
4 -0.17901354]
Round2170-----squared error: 3.9186 parameter: [18.3976651 0.79824534 -1.8452755
1 -0.17900269]
Round2171-----squared error: 3.9186 parameter: [18.39766678 0.79812771 -1.8453879
7 -0.17899184]
Round2172-----squared error: 3.9186 parameter: [18.39766844 0.7980102 -1.8455003
-0.17898099]
Round2173-----squared error: 3.9185 parameter: [18.3976701 0.79789278 -1.8456125
2 -0.17897013]
Round2174-----squared error: 3.9185 parameter: [18.39767175 0.79777548 -1.8457246
3 -0.17895927]
Round2175-----squared error: 3.9185 parameter: [18.39767339 0.79765829 -1.8458366
2 -0.17894841]
Round2176-----squared error: 3.9185 parameter: [18.39767502 0.7975412 -1.8459484
9 -0.17893754]

Round2177-----squared error: 3.9185 parameter: [18.39767665 0.79742423 -1.8460602
5 -0.17892667]
Round2178-----squared error: 3.9185 parameter: [18.39767827 0.79730736 -1.8461719
-0.17891579]
Round2179-----squared error: 3.9185 parameter: [18.39767987 0.7971906 -1.8462834
3 -0.17890491]
Round2180-----squared error: 3.9185 parameter: [18.39768147 0.79707394 -1.8463948
4 -0.17889402]
Round2181-----squared error: 3.9185 parameter: [18.39768307 0.7969574 -1.8465061
4 -0.17888314]
Round2182-----squared error: 3.9185 parameter: [18.39768465 0.79684096 -1.8466173
3 -0.17887224]
Round2183-----squared error: 3.9184 parameter: [18.39768623 0.79672463 -1.8467284
-0.17886135]
Round2184-----squared error: 3.9184 parameter: [18.3976878 0.79660841 -1.8468393
6 -0.17885045]
Round2185-----squared error: 3.9184 parameter: [18.39768936 0.7964923 -1.8469502
-0.17883954]
Round2186-----squared error: 3.9184 parameter: [18.39769091 0.79637629 -1.8470609
3 -0.17882864]
Round2187-----squared error: 3.9184 parameter: [18.39769246 0.79626039 -1.8471715
5 -0.17881772]
Round2188-----squared error: 3.9184 parameter: [18.39769399 0.7961446 -1.8472820
5 -0.17880681]
Round2189-----squared error: 3.9184 parameter: [18.39769552 0.79602891 -1.8473924
3 -0.17879589]
Round2190-----squared error: 3.9184 parameter: [18.39769705 0.79591333 -1.8475027
1 -0.17878497]
Round2191-----squared error: 3.9184 parameter: [18.39769856 0.79579786 -1.8476128
7 -0.17877405]
Round2192-----squared error: 3.9184 parameter: [18.39770007 0.7956825 -1.8477229
2 -0.17876312]
Round2193-----squared error: 3.9183 parameter: [18.39770157 0.79556724 -1.8478328
5 -0.17875219]
Round2194-----squared error: 3.9183 parameter: [18.39770306 0.79545209 -1.8479426
7 -0.17874125]
Round2195-----squared error: 3.9183 parameter: [18.39770455 0.79533704 -1.8480523
8 -0.17873032]
Round2196-----squared error: 3.9183 parameter: [18.39770602 0.79522211 -1.8481619
8 -0.17871938]
Round2197-----squared error: 3.9183 parameter: [18.39770749 0.79510727 -1.8482714
6 -0.17870843]
Round2198-----squared error: 3.9183 parameter: [18.39770896 0.79499255 -1.8483808
3 -0.17869748]
Round2199-----squared error: 3.9183 parameter: [18.39771041 0.79487793 -1.8484900
9 -0.17868653]
Round2200-----squared error: 3.9183 parameter: [18.39771186 0.79476342 -1.8485992
4 -0.17867558]
Round2201-----squared error: 3.9183 parameter: [18.3977133 0.79464901 -1.8487082
8 -0.17866463]
Round2202-----squared error: 3.9182 parameter: [18.39771473 0.79453471 -1.8488172
-0.17865367]
Round2203-----squared error: 3.9182 parameter: [18.39771616 0.79442051 -1.8489260
1 -0.1786427]
Round2204-----squared error: 3.9182 parameter: [18.39771758 0.79430642 -1.8490347
1 -0.17863174]
Round2205-----squared error: 3.9182 parameter: [18.39771899 0.79419244 -1.8491433
-0.17862077]
Round2206-----squared error: 3.9182 parameter: [18.3977204 0.79407856 -1.8492517
7 -0.1786098]
Round2207-----squared error: 3.9182 parameter: [18.39772179 0.79396479 -1.8493601
4 -0.17859883]
Round2208-----squared error: 3.9182 parameter: [18.39772318 0.79385112 -1.8494683
9 -0.17858785]

Round2209-----squared error: 3.9182 parameter: [18.39772457 0.79373756 -1.8495765
4 -0.17857688]
Round2210-----squared error: 3.9182 parameter: [18.39772595 0.79362411 -1.8496845
7 -0.1785659]
Round2211-----squared error: 3.9182 parameter: [18.39772732 0.79351075 -1.8497924
9 -0.17855491]
Round2212-----squared error: 3.9181 parameter: [18.39772868 0.79339751 -1.8499003
-0.17854393]
Round2213-----squared error: 3.9181 parameter: [18.39773004 0.79328437 -1.850008
-0.17853294]
Round2214-----squared error: 3.9181 parameter: [18.39773139 0.79317133 -1.8501155
9 -0.17852195]
Round2215-----squared error: 3.9181 parameter: [18.39773273 0.7930584 -1.8502230
7 -0.17851096]
Round2216-----squared error: 3.9181 parameter: [18.39773407 0.79294557 -1.8503304
4 -0.17849996]
Round2217-----squared error: 3.9181 parameter: [18.39773539 0.79283285 -1.8504377
-0.17848896]
Round2218-----squared error: 3.9181 parameter: [18.39773672 0.79272023 -1.8505448
5 -0.17847796]
Round2219-----squared error: 3.9181 parameter: [18.39773803 0.79260772 -1.8506518
9 -0.17846696]
Round2220-----squared error: 3.9181 parameter: [18.39773934 0.79249531 -1.8507588
2 -0.17845596]
Round2221-----squared error: 3.9181 parameter: [18.39774065 0.792383 -1.8508656
4 -0.17844495]
Round2222-----squared error: 3.9181 parameter: [18.39774194 0.7922708 -1.8509723
5 -0.17843394]
Round2223-----squared error: 3.9180 parameter: [18.39774323 0.79215871 -1.8510789
5 -0.17842293]
Round2224-----squared error: 3.9180 parameter: [18.39774452 0.79204672 -1.8511854
4 -0.17841192]
Round2225-----squared error: 3.9180 parameter: [18.3977458 0.79193483 -1.8512918
3 -0.1784009]
Round2226-----squared error: 3.9180 parameter: [18.39774707 0.79182304 -1.8513981
-0.17838989]
Round2227-----squared error: 3.9180 parameter: [18.39774833 0.79171136 -1.8515042
7 -0.17837887]
Round2228-----squared error: 3.9180 parameter: [18.39774959 0.79159978 -1.8516103
2 -0.17836785]
Round2229-----squared error: 3.9180 parameter: [18.39775084 0.79148831 -1.8517162
7 -0.17835683]
Round2230-----squared error: 3.9180 parameter: [18.39775209 0.79137694 -1.8518221
1 -0.1783458]
Round2231-----squared error: 3.9180 parameter: [18.39775333 0.79126567 -1.8519278
5 -0.17833478]
Round2232-----squared error: 3.9180 parameter: [18.39775456 0.79115451 -1.8520334
7 -0.17832375]
Round2233-----squared error: 3.9179 parameter: [18.39775579 0.79104345 -1.8521389
9 -0.17831272]
Round2234-----squared error: 3.9179 parameter: [18.39775701 0.79093249 -1.8522443
9 -0.17830169]
Round2235-----squared error: 3.9179 parameter: [18.39775822 0.79082164 -1.8523496
9 -0.17829066]
Round2236-----squared error: 3.9179 parameter: [18.39775943 0.79071089 -1.8524548
9 -0.17827963]
Round2237-----squared error: 3.9179 parameter: [18.39776064 0.79060024 -1.8525599
7 -0.17826859]
Round2238-----squared error: 3.9179 parameter: [18.39776183 0.79048969 -1.8526649
5 -0.17825755]
Round2239-----squared error: 3.9179 parameter: [18.39776302 0.79037925 -1.8527698
2 -0.17824652]
Round2240-----squared error: 3.9179 parameter: [18.39776421 0.79026891 -1.8528745
8 -0.17823548]

Round2241-----squared error: 3.9179 parameter: [18.39776539 0.79015867 -1.8529792
4 -0.17822444]
Round2242-----squared error: 3.9179 parameter: [18.39776656 0.79004853 -1.8530837
9 -0.17821339]
Round2243-----squared error: 3.9179 parameter: [18.39776773 0.7899385 -1.8531882
3 -0.17820235]
Round2244-----squared error: 3.9178 parameter: [18.39776889 0.78982857 -1.8532925
7 -0.17819131]
Round2245-----squared error: 3.9178 parameter: [18.39777004 0.78971874 -1.8533968
-0.17818026]
Round2246-----squared error: 3.9178 parameter: [18.39777119 0.78960902 -1.8535009
2 -0.17816921]
Round2247-----squared error: 3.9178 parameter: [18.39777234 0.78949939 -1.8536049
3 -0.17815816]
Round2248-----squared error: 3.9178 parameter: [18.39777348 0.78938987 -1.8537088
4 -0.17814711]
Round2249-----squared error: 3.9178 parameter: [18.39777461 0.78928045 -1.8538126
5 -0.17813606]
Round2250-----squared error: 3.9178 parameter: [18.39777574 0.78917113 -1.8539163
5 -0.17812501]
Round2251-----squared error: 3.9178 parameter: [18.39777686 0.78906191 -1.8540199
4 -0.17811396]
Round2252-----squared error: 3.9178 parameter: [18.39777797 0.78895279 -1.8541234
2 -0.17810291]
Round2253-----squared error: 3.9178 parameter: [18.39777908 0.78884378 -1.8542268
1 -0.17809185]
Round2254-----squared error: 3.9178 parameter: [18.39778019 0.78873486 -1.8543300
8 -0.1780808]
Round2255-----squared error: 3.9177 parameter: [18.39778129 0.78862605 -1.8544332
5 -0.17806974]
Round2256-----squared error: 3.9177 parameter: [18.39778238 0.78851734 -1.8545363
2 -0.17805868]
Round2257-----squared error: 3.9177 parameter: [18.39778347 0.78840873 -1.8546392
7 -0.17804762]
Round2258-----squared error: 3.9177 parameter: [18.39778455 0.78830022 -1.8547421
3 -0.17803657]
Round2259-----squared error: 3.9177 parameter: [18.39778563 0.78819181 -1.8548448
8 -0.17802551]
Round2260-----squared error: 3.9177 parameter: [18.3977867 0.78808351 -1.8549475
2 -0.17801445]
Round2261-----squared error: 3.9177 parameter: [18.39778777 0.7879753 -1.8550500
6 -0.17800338]
Round2262-----squared error: 3.9177 parameter: [18.39778883 0.7878672 -1.8551525
-0.17799232]
Round2263-----squared error: 3.9177 parameter: [18.39778988 0.78775919 -1.8552548
3 -0.17798126]
Round2264-----squared error: 3.9177 parameter: [18.39779093 0.78765129 -1.8553570
6 -0.1779702]
Round2265-----squared error: 3.9177 parameter: [18.39779198 0.78754348 -1.8554591
8 -0.17795914]
Round2266-----squared error: 3.9176 parameter: [18.39779302 0.78743578 -1.8555612
-0.17794807]
Round2267-----squared error: 3.9176 parameter: [18.39779405 0.78732817 -1.8556631
1 -0.17793701]
Round2268-----squared error: 3.9176 parameter: [18.39779508 0.78722067 -1.8557649
2 -0.17792594]
Round2269-----squared error: 3.9176 parameter: [18.39779611 0.78711327 -1.8558666
3 -0.17791488]
Round2270-----squared error: 3.9176 parameter: [18.39779713 0.78700596 -1.8559682
3 -0.17790381]
Round2271-----squared error: 3.9176 parameter: [18.39779814 0.78689876 -1.8560697
3 -0.17789275]
Round2272-----squared error: 3.9176 parameter: [18.39779915 0.78679166 -1.8561711
3 -0.17788168]

Round2273-----squared error: 3.9176 parameter: [18.39780016 0.78668465 -1.8562724
2 -0.17787061]
Round2274-----squared error: 3.9176 parameter: [18.39780116 0.78657775 -1.8563736
1 -0.17785955]
Round2275-----squared error: 3.9176 parameter: [18.39780215 0.78647094 -1.8564747
-0.17784848]
Round2276-----squared error: 3.9176 parameter: [18.39780314 0.78636424 -1.8565756
9 -0.17783741]
Round2277-----squared error: 3.9176 parameter: [18.39780412 0.78625763 -1.8566765
7 -0.17782635]
Round2278-----squared error: 3.9175 parameter: [18.3978051 0.78615113 -1.8567773
5 -0.17781528]
Round2279-----squared error: 3.9175 parameter: [18.39780608 0.78604472 -1.8568780
2 -0.17780421]
Round2280-----squared error: 3.9175 parameter: [18.39780705 0.78593841 -1.8569786
-0.17779315]
Round2281-----squared error: 3.9175 parameter: [18.39780801 0.7858322 -1.8570790
7 -0.17778208]
Round2282-----squared error: 3.9175 parameter: [18.39780897 0.78572609 -1.8571794
4 -0.17777101]
Round2283-----squared error: 3.9175 parameter: [18.39780993 0.78562008 -1.8572797
-0.17775994]
Round2284-----squared error: 3.9175 parameter: [18.39781088 0.78551417 -1.8573798
7 -0.17774888]
Round2285-----squared error: 3.9175 parameter: [18.39781182 0.78540835 -1.8574799
3 -0.17773781]
Round2286-----squared error: 3.9175 parameter: [18.39781276 0.78530264 -1.8575798
9 -0.17772674]
Round2287-----squared error: 3.9175 parameter: [18.3978137 0.78519702 -1.8576797
5 -0.17771568]
Round2288-----squared error: 3.9175 parameter: [18.39781463 0.7850915 -1.8577795
1 -0.17770461]
Round2289-----squared error: 3.9174 parameter: [18.39781556 0.78498608 -1.8578791
7 -0.17769354]
Round2290-----squared error: 3.9174 parameter: [18.39781648 0.78488076 -1.8579787
2 -0.17768248]
Round2291-----squared error: 3.9174 parameter: [18.3978174 0.78477553 -1.8580781
8 -0.17767141]
Round2292-----squared error: 3.9174 parameter: [18.39781831 0.78467041 -1.8581775
3 -0.17766035]
Round2293-----squared error: 3.9174 parameter: [18.39781922 0.78456538 -1.8582767
8 -0.17764928]
Round2294-----squared error: 3.9174 parameter: [18.39782012 0.78446045 -1.8583759
3 -0.17763822]
Round2295-----squared error: 3.9174 parameter: [18.39782102 0.78435562 -1.8584749
9 -0.17762715]
Round2296-----squared error: 3.9174 parameter: [18.39782192 0.78425089 -1.8585739
4 -0.17761609]
Round2297-----squared error: 3.9174 parameter: [18.39782281 0.78414625 -1.8586727
8 -0.17760502]
Round2298-----squared error: 3.9174 parameter: [18.39782369 0.78404171 -1.8587715
3 -0.17759396]
Round2299-----squared error: 3.9174 parameter: [18.39782458 0.78393727 -1.8588701
8 -0.1775829]
Round2300-----squared error: 3.9174 parameter: [18.39782545 0.78383292 -1.8589687
3 -0.17757184]
Round2301-----squared error: 3.9173 parameter: [18.39782633 0.78372868 -1.8590671
8 -0.17756078]
Round2302-----squared error: 3.9173 parameter: [18.39782719 0.78362453 -1.8591655
3 -0.17754971]
Round2303-----squared error: 3.9173 parameter: [18.39782806 0.78352048 -1.8592637
8 -0.17753865]
Round2304-----squared error: 3.9173 parameter: [18.39782892 0.78341652 -1.8593619
3 -0.1775276]

Round2305-----squared error: 3.9173 parameter: [18.39782977 0.78331266 -1.8594599
7 -0.17751654]
Round2306-----squared error: 3.9173 parameter: [18.39783062 0.7832089 -1.8595579
2 -0.17750548]
Round2307-----squared error: 3.9173 parameter: [18.39783147 0.78310524 -1.8596557
7 -0.17749442]
Round2308-----squared error: 3.9173 parameter: [18.39783231 0.78300167 -1.8597535
3 -0.17748336]
Round2309-----squared error: 3.9173 parameter: [18.39783315 0.7828982 -1.8598511
8 -0.17747231]
Round2310-----squared error: 3.9173 parameter: [18.39783399 0.78279482 -1.8599487
3 -0.17746125]
Round2311-----squared error: 3.9173 parameter: [18.39783482 0.78269155 -1.8600461
8 -0.1774502]
Round2312-----squared error: 3.9173 parameter: [18.39783564 0.78258836 -1.8601435
4 -0.17743915]
Round2313-----squared error: 3.9172 parameter: [18.39783646 0.78248528 -1.8602407
9 -0.1774281]
Round2314-----squared error: 3.9172 parameter: [18.39783728 0.78238229 -1.8603379
5 -0.17741704]
Round2315-----squared error: 3.9172 parameter: [18.39783809 0.7822794 -1.8604350
1 -0.17740599]
Round2316-----squared error: 3.9172 parameter: [18.3978389 0.7821766 -1.8605319
7 -0.17739495]
Round2317-----squared error: 3.9172 parameter: [18.39783971 0.7820739 -1.8606288
3 -0.1773839]
Round2318-----squared error: 3.9172 parameter: [18.39784051 0.78197129 -1.8607256
-0.17737285]
Round2319-----squared error: 3.9172 parameter: [18.39784131 0.78186879 -1.8608222
6 -0.1773618]
Round2320-----squared error: 3.9172 parameter: [18.3978421 0.78176637 -1.8609188
3 -0.17735076]
Round2321-----squared error: 3.9172 parameter: [18.39784289 0.78166405 -1.8610153
-0.17733972]
Round2322-----squared error: 3.9172 parameter: [18.39784368 0.78156183 -1.8611116
7 -0.17732867]
Round2323-----squared error: 3.9172 parameter: [18.39784446 0.78145971 -1.8612079
5 -0.17731763]
Round2324-----squared error: 3.9172 parameter: [18.39784524 0.78135767 -1.8613041
3 -0.17730659]
Round2325-----squared error: 3.9172 parameter: [18.39784601 0.78125574 -1.8614002
1 -0.17729555]
Round2326-----squared error: 3.9171 parameter: [18.39784678 0.7811539 -1.8614961
9 -0.17728452]
Round2327-----squared error: 3.9171 parameter: [18.39784755 0.78105215 -1.8615920
7 -0.17727348]
Round2328-----squared error: 3.9171 parameter: [18.39784831 0.7809505 -1.8616878
6 -0.17726244]
Round2329-----squared error: 3.9171 parameter: [18.39784907 0.78084895 -1.8617835
5 -0.17725141]
Round2330-----squared error: 3.9171 parameter: [18.39784982 0.78074749 -1.8618791
5 -0.17724038]
Round2331-----squared error: 3.9171 parameter: [18.39785057 0.78064612 -1.8619746
4 -0.17722935]
Round2332-----squared error: 3.9171 parameter: [18.39785132 0.78054485 -1.8620700
4 -0.17721832]
Round2333-----squared error: 3.9171 parameter: [18.39785206 0.78044367 -1.8621653
5 -0.17720729]
Round2334-----squared error: 3.9171 parameter: [18.3978528 0.78034259 -1.8622605
6 -0.17719626]
Round2335-----squared error: 3.9171 parameter: [18.39785354 0.7802416 -1.8623556
7 -0.17718524]
Round2336-----squared error: 3.9171 parameter: [18.39785427 0.78014071 -1.8624506
8 -0.17717422]

Round2337-----squared error: 3.9171 parameter: [18.397855 0.78003991 -1.8625456
-0.17716319]
Round2338-----squared error: 3.9171 parameter: [18.39785572 0.77993921 -1.8626404
2 -0.17715217]
Round2339-----squared error: 3.9170 parameter: [18.39785645 0.7798386 -1.8627351
5 -0.17714116]
Round2340-----squared error: 3.9170 parameter: [18.39785716 0.77973808 -1.8628297
8 -0.17713014]
Round2341-----squared error: 3.9170 parameter: [18.39785788 0.77963766 -1.8629243
2 -0.17711912]
Round2342-----squared error: 3.9170 parameter: [18.39785859 0.77953733 -1.8630187
6 -0.17710811]
Round2343-----squared error: 3.9170 parameter: [18.3978593 0.7794371 -1.8631131 -
0.1770971]
Round2344-----squared error: 3.9170 parameter: [18.39786 0.77933696 -1.8632073
5 -0.17708609]
Round2345-----squared error: 3.9170 parameter: [18.3978607 0.77923691 -1.8633015
-0.17707508]
Round2346-----squared error: 3.9170 parameter: [18.3978614 0.77913696 -1.8633955
6 -0.17706407]
Round2347-----squared error: 3.9170 parameter: [18.39786209 0.7790371 -1.8634895
2 -0.17705307]
Round2348-----squared error: 3.9170 parameter: [18.39786278 0.77893733 -1.8635833
9 -0.17704206]
Round2349-----squared error: 3.9170 parameter: [18.39786346 0.77883766 -1.8636771
7 -0.17703106]
Round2350-----squared error: 3.9170 parameter: [18.39786415 0.77873808 -1.8637708
4 -0.17702006]
Round2351-----squared error: 3.9170 parameter: [18.39786483 0.77863859 -1.8638644
3 -0.17700907]
Round2352-----squared error: 3.9169 parameter: [18.3978655 0.7785392 -1.8639579
2 -0.17699807]
Round2353-----squared error: 3.9169 parameter: [18.39786617 0.7784399 -1.8640513
1 -0.17698708]
Round2354-----squared error: 3.9169 parameter: [18.39786684 0.77834069 -1.8641446
1 -0.17697609]
Round2355-----squared error: 3.9169 parameter: [18.39786751 0.77824157 -1.8642378
2 -0.1769651]
Round2356-----squared error: 3.9169 parameter: [18.39786817 0.77814255 -1.8643309
3 -0.17695411]
Round2357-----squared error: 3.9169 parameter: [18.39786883 0.77804362 -1.8644239
5 -0.17694312]
Round2358-----squared error: 3.9169 parameter: [18.39786949 0.77794478 -1.8645168
7 -0.17693214]
Round2359-----squared error: 3.9169 parameter: [18.39787014 0.77784604 -1.8646097
-0.17692116]
Round2360-----squared error: 3.9169 parameter: [18.39787079 0.77774739 -1.8647024
4 -0.17691018]
Round2361-----squared error: 3.9169 parameter: [18.39787144 0.77764883 -1.8647950
8 -0.1768992]
Round2362-----squared error: 3.9169 parameter: [18.39787208 0.77755036 -1.8648876
3 -0.17688823]
Round2363-----squared error: 3.9169 parameter: [18.39787272 0.77745199 -1.8649800
8 -0.17687725]
Round2364-----squared error: 3.9169 parameter: [18.39787335 0.7773537 -1.8650724
5 -0.17686628]
Round2365-----squared error: 3.9169 parameter: [18.39787399 0.77725551 -1.8651647
2 -0.17685532]
Round2366-----squared error: 3.9168 parameter: [18.39787462 0.77715741 -1.8652568
9 -0.17684435]
Round2367-----squared error: 3.9168 parameter: [18.39787524 0.77705941 -1.8653489
7 -0.17683338]
Round2368-----squared error: 3.9168 parameter: [18.39787587 0.77696149 -1.8654409
6 -0.17682242]

Round2369-----squared error: 3.9168 parameter: [18.39787649 0.77686367 -1.8655328
6 -0.17681146]
Round2370-----squared error: 3.9168 parameter: [18.39787711 0.77676594 -1.8656246
7 -0.17680051]
Round2371-----squared error: 3.9168 parameter: [18.39787772 0.7766683 -1.8657163
8 -0.17678955]
Round2372-----squared error: 3.9168 parameter: [18.39787833 0.77657075 -1.865808
-0.1767786]
Round2373-----squared error: 3.9168 parameter: [18.39787894 0.77647329 -1.8658995
2 -0.17676765]
Round2374-----squared error: 3.9168 parameter: [18.39787955 0.77637592 -1.8659909
6 -0.1767567]
Round2375-----squared error: 3.9168 parameter: [18.39788015 0.77627865 -1.8660823
-0.17674576]
Round2376-----squared error: 3.9168 parameter: [18.39788075 0.77618146 -1.8661735
5 -0.17673482]
Round2377-----squared error: 3.9168 parameter: [18.39788134 0.77608437 -1.8662647
1 -0.17672388]
Round2378-----squared error: 3.9168 parameter: [18.39788194 0.77598737 -1.8663557
8 -0.17671294]
Round2379-----squared error: 3.9167 parameter: [18.39788253 0.77589046 -1.8664467
5 -0.176702]
Round2380-----squared error: 3.9167 parameter: [18.39788311 0.77579364 -1.8665376
3 -0.17669107]
Round2381-----squared error: 3.9167 parameter: [18.3978837 0.77569691 -1.8666284
2 -0.17668014]
Round2382-----squared error: 3.9167 parameter: [18.39788428 0.77560027 -1.8667191
2 -0.17666921]
Round2383-----squared error: 3.9167 parameter: [18.39788486 0.77550372 -1.8668097
3 -0.17665829]
Round2384-----squared error: 3.9167 parameter: [18.39788543 0.77540727 -1.8669002
5 -0.17664737]
Round2385-----squared error: 3.9167 parameter: [18.39788601 0.7753109 -1.8669906
7 -0.17663645]
Round2386-----squared error: 3.9167 parameter: [18.39788658 0.77521462 -1.8670810
1 -0.17662553]
Round2387-----squared error: 3.9167 parameter: [18.39788714 0.77511844 -1.8671712
5 -0.17661462]
Round2388-----squared error: 3.9167 parameter: [18.39788771 0.77502234 -1.8672614
-0.1766037]
Round2389-----squared error: 3.9167 parameter: [18.39788827 0.77492633 -1.8673514
7 -0.1765928]
Round2390-----squared error: 3.9167 parameter: [18.39788883 0.77483042 -1.8674414
4 -0.17658189]
Round2391-----squared error: 3.9167 parameter: [18.39788938 0.77473459 -1.8675313
2 -0.17657099]
Round2392-----squared error: 3.9167 parameter: [18.39788994 0.77463885 -1.8676211
1 -0.17656009]
Round2393-----squared error: 3.9167 parameter: [18.39789049 0.77454321 -1.8677108
1 -0.17654919]
Round2394-----squared error: 3.9166 parameter: [18.39789104 0.77444765 -1.8678004
2 -0.17653829]
Round2395-----squared error: 3.9166 parameter: [18.39789158 0.77435218 -1.8678899
4 -0.1765274]
Round2396-----squared error: 3.9166 parameter: [18.39789212 0.77425681 -1.8679793
7 -0.17651651]
Round2397-----squared error: 3.9166 parameter: [18.39789266 0.77416152 -1.8680687
-0.17650563]
Round2398-----squared error: 3.9166 parameter: [18.3978932 0.77406632 -1.8681579
5 -0.17649474]
Round2399-----squared error: 3.9166 parameter: [18.39789373 0.77397121 -1.8682471
1 -0.17648386]
Round2400-----squared error: 3.9166 parameter: [18.39789426 0.77387619 -1.8683361
8 -0.17647299]

Round2401-----squared error: 3.9166 parameter: [18.39789479 0.77378126 -1.8684251
6 -0.17646211]
Round2402-----squared error: 3.9166 parameter: [18.39789532 0.77368641 -1.8685140
5 -0.17645124]
Round2403-----squared error: 3.9166 parameter: [18.39789584 0.77359166 -1.8686028
5 -0.17644037]
Round2404-----squared error: 3.9166 parameter: [18.39789636 0.773497 -1.8686915
6 -0.17642951]
Round2405-----squared error: 3.9166 parameter: [18.39789688 0.77340242 -1.8687801
9 -0.17641864]
Round2406-----squared error: 3.9166 parameter: [18.3978974 0.77330794 -1.8688687
2 -0.17640779]
Round2407-----squared error: 3.9166 parameter: [18.39789791 0.77321354 -1.8689571
6 -0.17639693]
Round2408-----squared error: 3.9165 parameter: [18.39789842 0.77311923 -1.8690455
2 -0.17638608]
Round2409-----squared error: 3.9165 parameter: [18.39789893 0.77302501 -1.8691337
8 -0.17637523]
Round2410-----squared error: 3.9165 parameter: [18.39789943 0.77293088 -1.8692219
6 -0.17636438]
Round2411-----squared error: 3.9165 parameter: [18.39789994 0.77283683 -1.8693100
5 -0.17635354]
Round2412-----squared error: 3.9165 parameter: [18.39790044 0.77274288 -1.8693980
5 -0.1763427]
Round2413-----squared error: 3.9165 parameter: [18.39790093 0.77264901 -1.8694859
6 -0.17633186]
Round2414-----squared error: 3.9165 parameter: [18.39790143 0.77255523 -1.8695737
9 -0.17632102]
Round2415-----squared error: 3.9165 parameter: [18.39790192 0.77246154 -1.8696615
2 -0.17631019]
Round2416-----squared error: 3.9165 parameter: [18.39790241 0.77236793 -1.8697491
7 -0.17629937]
Round2417-----squared error: 3.9165 parameter: [18.3979029 0.77227442 -1.8698367
3 -0.17628854]
Round2418-----squared error: 3.9165 parameter: [18.39790339 0.77218099 -1.8699242
-0.17627772]
Round2419-----squared error: 3.9165 parameter: [18.39790387 0.77208765 -1.8700115
8 -0.1762669]
Round2420-----squared error: 3.9165 parameter: [18.39790435 0.7719944 -1.8700988
8 -0.17625609]
Round2421-----squared error: 3.9165 parameter: [18.39790483 0.77190123 -1.8701860
8 -0.17624528]
Round2422-----squared error: 3.9165 parameter: [18.3979053 0.77180816 -1.8702732
-0.17623447]
Round2423-----squared error: 3.9164 parameter: [18.39790578 0.77171517 -1.8703602
3 -0.17622366]
Round2424-----squared error: 3.9164 parameter: [18.39790625 0.77162226 -1.8704471
8 -0.17621286]
Round2425-----squared error: 3.9164 parameter: [18.39790672 0.77152945 -1.8705340
4 -0.17620207]
Round2426-----squared error: 3.9164 parameter: [18.39790718 0.77143672 -1.8706208
1 -0.17619127]
Round2427-----squared error: 3.9164 parameter: [18.39790765 0.77134408 -1.8707074
9 -0.17618048]
Round2428-----squared error: 3.9164 parameter: [18.39790811 0.77125153 -1.8707940
9 -0.17616969]
Round2429-----squared error: 3.9164 parameter: [18.39790857 0.77115906 -1.8708806
-0.17615891]
Round2430-----squared error: 3.9164 parameter: [18.39790903 0.77106668 -1.8709670
2 -0.17614813]
Round2431-----squared error: 3.9164 parameter: [18.39790948 0.77097439 -1.8710533
5 -0.17613735]
Round2432-----squared error: 3.9164 parameter: [18.39790993 0.77088218 -1.8711396
-0.17612658]

Round2433-----squared error: 3.9164 parameter: [18.39791038 0.77079006 -1.8712257
7 -0.17611581]
Round2434-----squared error: 3.9164 parameter: [18.39791083 0.77069803 -1.8713118
4 -0.17610504]
Round2435-----squared error: 3.9164 parameter: [18.39791128 0.77060608 -1.8713978
3 -0.17609428]
Round2436-----squared error: 3.9164 parameter: [18.39791172 0.77051422 -1.8714837
3 -0.17608352]
Round2437-----squared error: 3.9164 parameter: [18.39791216 0.77042245 -1.8715695
5 -0.17607277]
Round2438-----squared error: 3.9164 parameter: [18.3979126 0.77033076 -1.8716552
8 -0.17606201]
Round2439-----squared error: 3.9163 parameter: [18.39791304 0.77023916 -1.8717409
3 -0.17605127]
Round2440-----squared error: 3.9163 parameter: [18.39791347 0.77014764 -1.8718264
9 -0.17604052]
Round2441-----squared error: 3.9163 parameter: [18.39791391 0.77005621 -1.8719119
6 -0.17602978]
Round2442-----squared error: 3.9163 parameter: [18.39791434 0.76996487 -1.8719973
5 -0.17601904]
Round2443-----squared error: 3.9163 parameter: [18.39791477 0.76987361 -1.8720826
5 -0.17600831]
Round2444-----squared error: 3.9163 parameter: [18.39791519 0.76978244 -1.8721678
6 -0.17599758]
Round2445-----squared error: 3.9163 parameter: [18.39791562 0.76969136 -1.872253
-0.17598685]
Round2446-----squared error: 3.9163 parameter: [18.39791604 0.76960036 -1.8723380
4 -0.17597613]
Round2447-----squared error: 3.9163 parameter: [18.39791646 0.76950944 -1.872423
-0.17596541]
Round2448-----squared error: 3.9163 parameter: [18.39791688 0.76941861 -1.8725078
8 -0.1759547]
Round2449-----squared error: 3.9163 parameter: [18.39791729 0.76932787 -1.8725926
7 -0.17594399]
Round2450-----squared error: 3.9163 parameter: [18.3979177 0.76923721 -1.8726773
7 -0.17593328]
Round2451-----squared error: 3.9163 parameter: [18.39791812 0.76914664 -1.8727619
9 -0.17592258]
Round2452-----squared error: 3.9163 parameter: [18.39791853 0.76905615 -1.8728465
3 -0.17591188]
Round2453-----squared error: 3.9163 parameter: [18.39791893 0.76896575 -1.8729309
8 -0.17590118]
Round2454-----squared error: 3.9163 parameter: [18.39791934 0.76887543 -1.8730153
4 -0.17589049]
Round2455-----squared error: 3.9162 parameter: [18.39791974 0.7687852 -1.8730996
2 -0.1758798]
Round2456-----squared error: 3.9162 parameter: [18.39792014 0.76869505 -1.8731838
2 -0.17586912]
Round2457-----squared error: 3.9162 parameter: [18.39792054 0.76860499 -1.8732679
3 -0.17585844]
Round2458-----squared error: 3.9162 parameter: [18.39792094 0.76851501 -1.8733519
6 -0.17584776]
Round2459-----squared error: 3.9162 parameter: [18.39792133 0.76842511 -1.8734359
1 -0.17583709]
Round2460-----squared error: 3.9162 parameter: [18.39792173 0.7683353 -1.8735197
7 -0.17582642]
Round2461-----squared error: 3.9162 parameter: [18.39792212 0.76824558 -1.8736035
4 -0.17581576]
Round2462-----squared error: 3.9162 parameter: [18.39792251 0.76815594 -1.8736872
3 -0.1758051]
Round2463-----squared error: 3.9162 parameter: [18.3979229 0.76806638 -1.8737708
4 -0.17579444]
Round2464-----squared error: 3.9162 parameter: [18.39792328 0.76797691 -1.8738543
7 -0.17578379]

Round2465-----squared error: 3.9162 parameter: [18.39792367 0.76788753 -1.8739378
1 -0.17577314]
Round2466-----squared error: 3.9162 parameter: [18.39792405 0.76779822 -1.8740211
6 -0.1757625]
Round2467-----squared error: 3.9162 parameter: [18.39792443 0.767709 -1.8741044
4 -0.17575186]
Round2468-----squared error: 3.9162 parameter: [18.3979248 0.76761987 -1.8741876
3 -0.17574122]
Round2469-----squared error: 3.9162 parameter: [18.39792518 0.76753082 -1.8742707
4 -0.17573059]
Round2470-----squared error: 3.9162 parameter: [18.39792555 0.76744185 -1.8743537
6 -0.17571996]
Round2471-----squared error: 3.9162 parameter: [18.39792593 0.76735297 -1.8744367
-0.17570934]
Round2472-----squared error: 3.9161 parameter: [18.3979263 0.76726417 -1.8745195
6 -0.17569872]
Round2473-----squared error: 3.9161 parameter: [18.39792667 0.76717545 -1.8746023
3 -0.1756881]
Round2474-----squared error: 3.9161 parameter: [18.39792703 0.76708682 -1.8746850
3 -0.17567749]
Round2475-----squared error: 3.9161 parameter: [18.3979274 0.76699827 -1.8747676
4 -0.17566689]
Round2476-----squared error: 3.9161 parameter: [18.39792776 0.7669098 -1.8748501
6 -0.17565628]
Round2477-----squared error: 3.9161 parameter: [18.39792812 0.76682142 -1.8749326
1 -0.17564568]
Round2478-----squared error: 3.9161 parameter: [18.39792848 0.76673312 -1.8750149
7 -0.17563509]
Round2479-----squared error: 3.9161 parameter: [18.39792884 0.7666449 -1.8750972
5 -0.1756245]
Round2480-----squared error: 3.9161 parameter: [18.39792919 0.76655677 -1.8751794
5 -0.17561391]
Round2481-----squared error: 3.9161 parameter: [18.39792955 0.76646872 -1.8752615
6 -0.17560333]
Round2482-----squared error: 3.9161 parameter: [18.3979299 0.76638075 -1.8753435
9 -0.17559275]
Round2483-----squared error: 3.9161 parameter: [18.39793025 0.76629287 -1.8754255
4 -0.17558218]
Round2484-----squared error: 3.9161 parameter: [18.3979306 0.76620507 -1.8755074
1 -0.17557161]
Round2485-----squared error: 3.9161 parameter: [18.39793095 0.76611735 -1.8755892
-0.17556105]
Round2486-----squared error: 3.9161 parameter: [18.39793129 0.76602971 -1.8756709
-0.17555049]
Round2487-----squared error: 3.9161 parameter: [18.39793164 0.76594216 -1.8757525
3 -0.17553993]
Round2488-----squared error: 3.9161 parameter: [18.39793198 0.76585469 -1.8758340
7 -0.17552938]
Round2489-----squared error: 3.9160 parameter: [18.39793232 0.7657673 -1.8759155
3 -0.17551883]
Round2490-----squared error: 3.9160 parameter: [18.39793266 0.76567999 -1.8759969
1 -0.17550829]
Round2491-----squared error: 3.9160 parameter: [18.39793299 0.76559277 -1.8760782
1 -0.17549775]
Round2492-----squared error: 3.9160 parameter: [18.39793333 0.76550563 -1.8761594
2 -0.17548722]
Round2493-----squared error: 3.9160 parameter: [18.39793366 0.76541857 -1.8762405
6 -0.17547669]
Round2494-----squared error: 3.9160 parameter: [18.39793399 0.76533159 -1.8763216
1 -0.17546616]
Round2495-----squared error: 3.9160 parameter: [18.39793432 0.76524469 -1.8764025
9 -0.17545564]
Round2496-----squared error: 3.9160 parameter: [18.39793465 0.76515788 -1.8764834
8 -0.17544513]

Round2497-----squared error: 3.9160 parameter: [18.39793498 0.76507115 -1.8765642
9 -0.17543461]
Round2498-----squared error: 3.9160 parameter: [18.3979353 0.7649845 -1.8766450
2 -0.17542411]
Round2499-----squared error: 3.9160 parameter: [18.39793563 0.76489793 -1.8767256
7 -0.1754136]
Round2500-----squared error: 3.9160 parameter: [18.39793595 0.76481144 -1.8768062
4 -0.17540311]
Round2501-----squared error: 3.9160 parameter: [18.39793627 0.76472504 -1.8768867
3 -0.17539261]
Round2502-----squared error: 3.9160 parameter: [18.39793659 0.76463871 -1.8769671
4 -0.17538212]
Round2503-----squared error: 3.9160 parameter: [18.3979369 0.76455247 -1.8770474
7 -0.17537164]
Round2504-----squared error: 3.9160 parameter: [18.39793722 0.76446631 -1.8771277
2 -0.17536116]
Round2505-----squared error: 3.9160 parameter: [18.39793753 0.76438023 -1.8772078
8 -0.17535068]
Round2506-----squared error: 3.9159 parameter: [18.39793785 0.76429423 -1.8772879
7 -0.17534021]
Round2507-----squared error: 3.9159 parameter: [18.39793816 0.76420831 -1.8773679
8 -0.17532974]
Round2508-----squared error: 3.9159 parameter: [18.39793847 0.76412248 -1.8774479
1 -0.17531928]
Round2509-----squared error: 3.9159 parameter: [18.39793877 0.76403672 -1.8775277
6 -0.17530882]
Round2510-----squared error: 3.9159 parameter: [18.39793908 0.76395105 -1.8776075
3 -0.17529837]
Round2511-----squared error: 3.9159 parameter: [18.39793938 0.76386545 -1.8776872
1 -0.17528792]
Round2512-----squared error: 3.9159 parameter: [18.39793969 0.76377994 -1.8777668
2 -0.17527748]
Round2513-----squared error: 3.9159 parameter: [18.39793999 0.76369451 -1.8778463
5 -0.17526704]
Round2514-----squared error: 3.9159 parameter: [18.39794029 0.76360915 -1.8779258
1 -0.17525661]
Round2515-----squared error: 3.9159 parameter: [18.39794059 0.76352388 -1.8780051
8 -0.17524618]
Round2516-----squared error: 3.9159 parameter: [18.39794088 0.76343869 -1.8780844
7 -0.17523575]
Round2517-----squared error: 3.9159 parameter: [18.39794118 0.76335358 -1.8781636
8 -0.17522533]
Round2518-----squared error: 3.9159 parameter: [18.39794147 0.76326855 -1.8782428
2 -0.17521492]
Round2519-----squared error: 3.9159 parameter: [18.39794177 0.7631836 -1.8783218
7 -0.17520451]
Round2520-----squared error: 3.9159 parameter: [18.39794206 0.76309873 -1.8784008
5 -0.1751941]
Round2521-----squared error: 3.9159 parameter: [18.39794235 0.76301394 -1.8784797
5 -0.1751837]
Round2522-----squared error: 3.9159 parameter: [18.39794264 0.76292923 -1.8785585
7 -0.1751733]
Round2523-----squared error: 3.9159 parameter: [18.39794292 0.7628446 -1.8786373
1 -0.17516291]
Round2524-----squared error: 3.9159 parameter: [18.39794321 0.76276005 -1.8787159
7 -0.17515252]
Round2525-----squared error: 3.9158 parameter: [18.39794349 0.76267558 -1.8787945
5 -0.17514214]
Round2526-----squared error: 3.9158 parameter: [18.39794377 0.76259119 -1.8788730
6 -0.17513176]
Round2527-----squared error: 3.9158 parameter: [18.39794406 0.76250688 -1.8789514
8 -0.17512139]
Round2528-----squared error: 3.9158 parameter: [18.39794434 0.76242264 -1.8790298
3 -0.17511102]

Round2529-----squared error: 3.9158 parameter: [18.39794461 0.76233849 -1.8791081
-0.17510066]
Round2530-----squared error: 3.9158 parameter: [18.39794489 0.76225442 -1.8791863
-0.1750903]
Round2531-----squared error: 3.9158 parameter: [18.39794517 0.76217043 -1.8792644
1 -0.17507995]
Round2532-----squared error: 3.9158 parameter: [18.39794544 0.76208651 -1.8793424
5 -0.1750696]
Round2533-----squared error: 3.9158 parameter: [18.39794571 0.76200268 -1.8794204
1 -0.17505926]
Round2534-----squared error: 3.9158 parameter: [18.39794598 0.76191892 -1.8794982
9 -0.17504892]
Round2535-----squared error: 3.9158 parameter: [18.39794626 0.76183525 -1.8795760
9 -0.17503859]
Round2536-----squared error: 3.9158 parameter: [18.39794652 0.76175165 -1.8796538
2 -0.17502826]
Round2537-----squared error: 3.9158 parameter: [18.39794679 0.76166813 -1.8797314
7 -0.17501793]
Round2538-----squared error: 3.9158 parameter: [18.39794706 0.76158469 -1.8798090
4 -0.17500761]
Round2539-----squared error: 3.9158 parameter: [18.39794732 0.76150133 -1.8798865
3 -0.1749973]
Round2540-----squared error: 3.9158 parameter: [18.39794759 0.76141805 -1.8799639
5 -0.17498699]
Round2541-----squared error: 3.9158 parameter: [18.39794785 0.76133484 -1.8800412
9 -0.17497669]
Round2542-----squared error: 3.9158 parameter: [18.39794811 0.76125172 -1.8801185
5 -0.17496639]
Round2543-----squared error: 3.9158 parameter: [18.39794837 0.76116867 -1.8801957
4 -0.17495609]
Round2544-----squared error: 3.9157 parameter: [18.39794863 0.7610857 -1.8802728
5 -0.1749458]
Round2545-----squared error: 3.9157 parameter: [18.39794888 0.76100281 -1.8803498
8 -0.17493552]
Round2546-----squared error: 3.9157 parameter: [18.39794914 0.76092 -1.8804268
3 -0.17492524]
Round2547-----squared error: 3.9157 parameter: [18.39794939 0.76083727 -1.8805037
1 -0.17491497]
Round2548-----squared error: 3.9157 parameter: [18.39794965 0.76075461 -1.8805805
1 -0.1749047]
Round2549-----squared error: 3.9157 parameter: [18.3979499 0.76067204 -1.8806572
4 -0.17489443]
Round2550-----squared error: 3.9157 parameter: [18.39795015 0.76058954 -1.8807338
9 -0.17488417]
Round2551-----squared error: 3.9157 parameter: [18.3979504 0.76050711 -1.8808104
6 -0.17487392]
Round2552-----squared error: 3.9157 parameter: [18.39795065 0.76042477 -1.8808869
6 -0.17486367]
Round2553-----squared error: 3.9157 parameter: [18.39795089 0.76034251 -1.8809633
8 -0.17485343]
Round2554-----squared error: 3.9157 parameter: [18.39795114 0.76026032 -1.8810397
3 -0.17484319]
Round2555-----squared error: 3.9157 parameter: [18.39795138 0.76017821 -1.8811159
9 -0.17483295]
Round2556-----squared error: 3.9157 parameter: [18.39795162 0.76009618 -1.8811921
9 -0.17482272]
Round2557-----squared error: 3.9157 parameter: [18.39795187 0.76001422 -1.8812683
-0.1748125]
Round2558-----squared error: 3.9157 parameter: [18.39795211 0.75993234 -1.8813443
5 -0.17480228]
Round2559-----squared error: 3.9157 parameter: [18.39795235 0.75985054 -1.8814203
1 -0.17479207]
Round2560-----squared error: 3.9157 parameter: [18.39795259 0.75976882 -1.8814962
-0.17478186]

Round2561-----squared error: 3.9157 parameter: [18.39795282 0.75968717 -1.8815720
2 -0.17477166]
Round2562-----squared error: 3.9157 parameter: [18.39795306 0.75960561 -1.8816477
6 -0.17476146]
Round2563-----squared error: 3.9156 parameter: [18.39795329 0.75952411 -1.8817234
2 -0.17475126]
Round2564-----squared error: 3.9156 parameter: [18.39795353 0.7594427 -1.8817990
1 -0.17474108]
Round2565-----squared error: 3.9156 parameter: [18.39795376 0.75936136 -1.8818745
2 -0.17473089]
Round2566-----squared error: 3.9156 parameter: [18.39795399 0.7592801 -1.8819499
6 -0.17472072]
Round2567-----squared error: 3.9156 parameter: [18.39795422 0.75919892 -1.8820253
2 -0.17471054]
Round2568-----squared error: 3.9156 parameter: [18.39795445 0.75911781 -1.8821006
1 -0.17470038]
Round2569-----squared error: 3.9156 parameter: [18.39795468 0.75903678 -1.8821758
3 -0.17469022]
Round2570-----squared error: 3.9156 parameter: [18.3979549 0.75895583 -1.8822509
6 -0.17468006]
Round2571-----squared error: 3.9156 parameter: [18.39795513 0.75887495 -1.8823260
3 -0.17466991]
Round2572-----squared error: 3.9156 parameter: [18.39795535 0.75879415 -1.8824010
2 -0.17465976]
Round2573-----squared error: 3.9156 parameter: [18.39795558 0.75871342 -1.8824759
3 -0.17464962]
Round2574-----squared error: 3.9156 parameter: [18.3979558 0.75863277 -1.8825507
7 -0.17463948]
Round2575-----squared error: 3.9156 parameter: [18.39795602 0.7585522 -1.8826255
4 -0.17462935]
Round2576-----squared error: 3.9156 parameter: [18.39795624 0.75847171 -1.8827002
3 -0.17461923]
Round2577-----squared error: 3.9156 parameter: [18.39795646 0.75839129 -1.8827748
5 -0.17460911]
Round2578-----squared error: 3.9156 parameter: [18.39795668 0.75831094 -1.8828493
9 -0.17459899]
Round2579-----squared error: 3.9156 parameter: [18.39795689 0.75823068 -1.8829238
6 -0.17458889]
Round2580-----squared error: 3.9156 parameter: [18.39795711 0.75815048 -1.8829982
6 -0.17457878]
Round2581-----squared error: 3.9156 parameter: [18.39795732 0.75807037 -1.8830725
8 -0.17456868]
Round2582-----squared error: 3.9156 parameter: [18.39795754 0.75799033 -1.8831468
2 -0.17455859]
Round2583-----squared error: 3.9156 parameter: [18.39795775 0.75791036 -1.883221
-0.1745485]
Round2584-----squared error: 3.9155 parameter: [18.39795796 0.75783048 -1.8832951
-0.17453842]
Round2585-----squared error: 3.9155 parameter: [18.39795817 0.75775066 -1.8833691
2 -0.17452834]
Round2586-----squared error: 3.9155 parameter: [18.39795838 0.75767092 -1.8834430
8 -0.17451827]
Round2587-----squared error: 3.9155 parameter: [18.39795859 0.75759126 -1.8835169
6 -0.1745082]
Round2588-----squared error: 3.9155 parameter: [18.39795879 0.75751168 -1.8835907
6 -0.17449814]
Round2589-----squared error: 3.9155 parameter: [18.397959 0.75743216 -1.8836645
-0.17448808]
Round2590-----squared error: 3.9155 parameter: [18.3979592 0.75735273 -1.8837381
6 -0.17447803]
Round2591-----squared error: 3.9155 parameter: [18.39795941 0.75727337 -1.8838117
4 -0.17446799]
Round2592-----squared error: 3.9155 parameter: [18.39795961 0.75719408 -1.8838852
6 -0.17445795]

Round2593-----squared error: 3.9155 parameter: [18.39795981 0.75711487 -1.8839587
-0.17444791]
Round2594-----squared error: 3.9155 parameter: [18.39796001 0.75703573 -1.8840320
6 -0.17443788]
Round2595-----squared error: 3.9155 parameter: [18.39796021 0.75695667 -1.8841053
6 -0.17442786]
Round2596-----squared error: 3.9155 parameter: [18.39796041 0.75687768 -1.8841785
8 -0.17441784]
Round2597-----squared error: 3.9155 parameter: [18.39796061 0.75679877 -1.8842517
3 -0.17440783]
Round2598-----squared error: 3.9155 parameter: [18.39796081 0.75671994 -1.8843248
1 -0.17439782]
Round2599-----squared error: 3.9155 parameter: [18.397961 0.75664117 -1.8843978
1 -0.17438782]
Round2600-----squared error: 3.9155 parameter: [18.3979612 0.75656249 -1.8844707
4 -0.17437782]
Round2601-----squared error: 3.9155 parameter: [18.39796139 0.75648387 -1.8845436
-0.17436783]
Round2602-----squared error: 3.9155 parameter: [18.39796159 0.75640533 -1.8846163
9 -0.17435785]
Round2603-----squared error: 3.9155 parameter: [18.39796178 0.75632687 -1.8846891
-0.17434787]
Round2604-----squared error: 3.9155 parameter: [18.39796197 0.75624848 -1.8847617
4 -0.17433789]
Round2605-----squared error: 3.9154 parameter: [18.39796216 0.75617016 -1.8848343
1 -0.17432792]
Round2606-----squared error: 3.9154 parameter: [18.39796235 0.75609192 -1.8849068
1 -0.17431796]
Round2607-----squared error: 3.9154 parameter: [18.39796254 0.75601375 -1.8849792
4 -0.174308]
Round2608-----squared error: 3.9154 parameter: [18.39796272 0.75593566 -1.8850515
9 -0.17429805]
Round2609-----squared error: 3.9154 parameter: [18.39796291 0.75585764 -1.8851238
8 -0.1742881]
Round2610-----squared error: 3.9154 parameter: [18.3979631 0.75577969 -1.8851960
9 -0.17427816]
Round2611-----squared error: 3.9154 parameter: [18.39796328 0.75570182 -1.8852682
3 -0.17426822]
Round2612-----squared error: 3.9154 parameter: [18.39796346 0.75562402 -1.8853403
-0.17425829]
Round2613-----squared error: 3.9154 parameter: [18.39796365 0.75554629 -1.8854122
9 -0.17424836]
Round2614-----squared error: 3.9154 parameter: [18.39796383 0.75546864 -1.8854842
2 -0.17423845]
Round2615-----squared error: 3.9154 parameter: [18.39796401 0.75539106 -1.8855560
7 -0.17422853]
Round2616-----squared error: 3.9154 parameter: [18.39796419 0.75531356 -1.8856278
5 -0.17421862]
Round2617-----squared error: 3.9154 parameter: [18.39796437 0.75523613 -1.8856995
7 -0.17420872]
Round2618-----squared error: 3.9154 parameter: [18.39796455 0.75515877 -1.8857712
1 -0.17419882]
Round2619-----squared error: 3.9154 parameter: [18.39796472 0.75508149 -1.8858427
8 -0.17418893]
Round2620-----squared error: 3.9154 parameter: [18.3979649 0.75500427 -1.8859142
7 -0.17417904]
Round2621-----squared error: 3.9154 parameter: [18.39796508 0.75492714 -1.8859857
-0.17416916]
Round2622-----squared error: 3.9154 parameter: [18.39796525 0.75485007 -1.8860570
6 -0.17415929]
Round2623-----squared error: 3.9154 parameter: [18.39796542 0.75477308 -1.8861283
4 -0.17414942]
Round2624-----squared error: 3.9154 parameter: [18.3979656 0.75469616 -1.8861995
6 -0.17413955]

Round2625-----squared error: 3.9154 parameter: [18.39796577 0.75461931 -1.8862707
-0.1741297]
Round2626-----squared error: 3.9154 parameter: [18.39796594 0.75454254 -1.8863417
8 -0.17411984]
Round2627-----squared error: 3.9153 parameter: [18.39796611 0.75446584 -1.8864127
8 -0.17411]
Round2628-----squared error: 3.9153 parameter: [18.39796628 0.75438921 -1.8864837
1 -0.17410015]
Round2629-----squared error: 3.9153 parameter: [18.39796645 0.75431265 -1.8865545
8 -0.17409032]
Round2630-----squared error: 3.9153 parameter: [18.39796662 0.75423617 -1.8866253
7 -0.17408049]
Round2631-----squared error: 3.9153 parameter: [18.39796678 0.75415976 -1.8866960
9 -0.17407066]
Round2632-----squared error: 3.9153 parameter: [18.39796695 0.75408342 -1.8867667
5 -0.17406084]
Round2633-----squared error: 3.9153 parameter: [18.39796711 0.75400715 -1.8868373
3 -0.17405103]
Round2634-----squared error: 3.9153 parameter: [18.39796728 0.75393096 -1.8869078
4 -0.17404122]
Round2635-----squared error: 3.9153 parameter: [18.39796744 0.75385484 -1.8869782
8 -0.17403142]
Round2636-----squared error: 3.9153 parameter: [18.39796761 0.75377879 -1.8870486
6 -0.17402163]
Round2637-----squared error: 3.9153 parameter: [18.39796777 0.75370281 -1.8871189
6 -0.17401183]
Round2638-----squared error: 3.9153 parameter: [18.39796793 0.75362691 -1.8871892
-0.17400205]
Round2639-----squared error: 3.9153 parameter: [18.39796809 0.75355107 -1.8872593
6 -0.17399227]
Round2640-----squared error: 3.9153 parameter: [18.39796825 0.75347531 -1.8873294
5 -0.1739825]
Round2641-----squared error: 3.9153 parameter: [18.39796841 0.75339962 -1.8873994
8 -0.17397273]
Round2642-----squared error: 3.9153 parameter: [18.39796857 0.753324 -1.8874694
4 -0.17396297]
Round2643-----squared error: 3.9153 parameter: [18.39796872 0.75324846 -1.8875393
2 -0.17395321]
Round2644-----squared error: 3.9153 parameter: [18.39796888 0.75317298 -1.8876091
4 -0.17394346]
Round2645-----squared error: 3.9153 parameter: [18.39796903 0.75309758 -1.8876788
9 -0.17393371]
Round2646-----squared error: 3.9153 parameter: [18.39796919 0.75302225 -1.8877485
7 -0.17392398]
Round2647-----squared error: 3.9153 parameter: [18.39796934 0.75294699 -1.8878181
8 -0.17391424]
Round2648-----squared error: 3.9153 parameter: [18.3979695 0.7528718 -1.8878877
2 -0.17390451]
Round2649-----squared error: 3.9153 parameter: [18.39796965 0.75279668 -1.8879571
9 -0.17389479]
Round2650-----squared error: 3.9153 parameter: [18.3979698 0.75272163 -1.8880266
-0.17388508]
Round2651-----squared error: 3.9152 parameter: [18.39796995 0.75264666 -1.8880959
3 -0.17387536]
Round2652-----squared error: 3.9152 parameter: [18.3979701 0.75257175 -1.8881652
-0.17386566]
Round2653-----squared error: 3.9152 parameter: [18.39797025 0.75249692 -1.8882344
-0.17385596]
Round2654-----squared error: 3.9152 parameter: [18.3979704 0.75242216 -1.8883035
3 -0.17384627]
Round2655-----squared error: 3.9152 parameter: [18.39797055 0.75234746 -1.8883725
9 -0.17383658]
Round2656-----squared error: 3.9152 parameter: [18.3979707 0.75227284 -1.8884415
8 -0.1738269]

Round2657-----squared error: 3.9152 parameter: [18.39797084 0.75219829 -1.8885105
1 -0.17381722]
Round2658-----squared error: 3.9152 parameter: [18.39797099 0.75212381 -1.8885793
6 -0.17380755]
Round2659-----squared error: 3.9152 parameter: [18.39797113 0.7520494 -1.8886481
5 -0.17379789]
Round2660-----squared error: 3.9152 parameter: [18.39797128 0.75197507 -1.8887168
7 -0.17378823]
Round2661-----squared error: 3.9152 parameter: [18.39797142 0.7519008 -1.8887855
2 -0.17377858]
Round2662-----squared error: 3.9152 parameter: [18.39797156 0.7518266 -1.8888541
1 -0.17376893]
Round2663-----squared error: 3.9152 parameter: [18.39797171 0.75175247 -1.8889226
2 -0.17375929]
Round2664-----squared error: 3.9152 parameter: [18.39797185 0.75167842 -1.8889910
7 -0.17374965]
Round2665-----squared error: 3.9152 parameter: [18.39797199 0.75160443 -1.8890594
5 -0.17374002]
Round2666-----squared error: 3.9152 parameter: [18.39797213 0.75153051 -1.8891277
7 -0.1737304]
Round2667-----squared error: 3.9152 parameter: [18.39797227 0.75145667 -1.8891960
1 -0.17372078]
Round2668-----squared error: 3.9152 parameter: [18.39797241 0.75138289 -1.8892641
9 -0.17371117]
Round2669-----squared error: 3.9152 parameter: [18.39797254 0.75130919 -1.8893323
-0.17370156]
Round2670-----squared error: 3.9152 parameter: [18.39797268 0.75123555 -1.8894003
5 -0.17369196]
Round2671-----squared error: 3.9152 parameter: [18.39797282 0.75116198 -1.8894683
2 -0.17368237]
Round2672-----squared error: 3.9152 parameter: [18.39797295 0.75108849 -1.8895362
3 -0.17367278]
Round2673-----squared error: 3.9152 parameter: [18.39797309 0.75101506 -1.8896040
7 -0.1736632]
Round2674-----squared error: 3.9152 parameter: [18.39797322 0.7509417 -1.8896718
5 -0.17365362]
Round2675-----squared error: 3.9151 parameter: [18.39797336 0.75086842 -1.8897395
6 -0.17364405]
Round2676-----squared error: 3.9151 parameter: [18.39797349 0.7507952 -1.8898072
-0.17363448]
Round2677-----squared error: 3.9151 parameter: [18.39797362 0.75072205 -1.8898747
7 -0.17362492]
Round2678-----squared error: 3.9151 parameter: [18.39797376 0.75064897 -1.8899422
8 -0.17361537]
Round2679-----squared error: 3.9151 parameter: [18.39797389 0.75057596 -1.8900097
2 -0.17360582]
Round2680-----squared error: 3.9151 parameter: [18.39797402 0.75050302 -1.8900770
9 -0.17359628]
Round2681-----squared error: 3.9151 parameter: [18.39797415 0.75043015 -1.8901444
-0.17358674]
Round2682-----squared error: 3.9151 parameter: [18.39797428 0.75035734 -1.8902116
4 -0.17357721]
Round2683-----squared error: 3.9151 parameter: [18.39797441 0.75028461 -1.8902788
2 -0.17356769]
Round2684-----squared error: 3.9151 parameter: [18.39797453 0.75021195 -1.8903459
3 -0.17355817]
Round2685-----squared error: 3.9151 parameter: [18.39797466 0.75013935 -1.8904129
7 -0.17354866]
Round2686-----squared error: 3.9151 parameter: [18.39797479 0.75006683 -1.8904799
4 -0.17353915]
Round2687-----squared error: 3.9151 parameter: [18.39797491 0.74999437 -1.8905468
5 -0.17352965]
Round2688-----squared error: 3.9151 parameter: [18.39797504 0.74992198 -1.8906137
-0.17352016]

Round2689-----squared error: 3.9151 parameter: [18.39797516 0.74984966 -1.8906804
7 -0.17351067]
Round2690-----squared error: 3.9151 parameter: [18.39797529 0.74977741 -1.8907471
8 -0.17350119]
Round2691-----squared error: 3.9151 parameter: [18.39797541 0.74970522 -1.8908138
3 -0.17349171]
Round2692-----squared error: 3.9151 parameter: [18.39797553 0.74963311 -1.8908804
1 -0.17348224]
Round2693-----squared error: 3.9151 parameter: [18.39797566 0.74956106 -1.8909469
2 -0.17347277]
Round2694-----squared error: 3.9151 parameter: [18.39797578 0.74948909 -1.8910133
7 -0.17346331]
Round2695-----squared error: 3.9151 parameter: [18.3979759 0.74941718 -1.8910797
5 -0.17345386]
Round2696-----squared error: 3.9151 parameter: [18.39797602 0.74934534 -1.8911460
7 -0.17344441]
Round2697-----squared error: 3.9151 parameter: [18.39797614 0.74927356 -1.8912123
2 -0.17343497]
Round2698-----squared error: 3.9151 parameter: [18.39797626 0.74920186 -1.8912785
1 -0.17342554]
Round2699-----squared error: 3.9151 parameter: [18.39797638 0.74913022 -1.8913446
3 -0.17341611]
Round2700-----squared error: 3.9150 parameter: [18.3979765 0.74905865 -1.8914106
9 -0.17340668]
Round2701-----squared error: 3.9150 parameter: [18.39797661 0.74898715 -1.8914766
8 -0.17339727]
Round2702-----squared error: 3.9150 parameter: [18.39797673 0.74891572 -1.8915426
-0.17338785]
Round2703-----squared error: 3.9150 parameter: [18.39797685 0.74884436 -1.8916084
6 -0.17337845]
Round2704-----squared error: 3.9150 parameter: [18.39797696 0.74877306 -1.8916742
6 -0.17336905]
Round2705-----squared error: 3.9150 parameter: [18.39797708 0.74870183 -1.8917399
9 -0.17335966]
Round2706-----squared error: 3.9150 parameter: [18.39797719 0.74863067 -1.8918056
5 -0.17335027]
Round2707-----squared error: 3.9150 parameter: [18.39797731 0.74855957 -1.8918712
5 -0.17334089]
Round2708-----squared error: 3.9150 parameter: [18.39797742 0.74848855 -1.8919367
9 -0.17333151]
Round2709-----squared error: 3.9150 parameter: [18.39797753 0.74841759 -1.8920022
6 -0.17332214]
Round2710-----squared error: 3.9150 parameter: [18.39797764 0.74834669 -1.8920676
7 -0.17331278]
Round2711-----squared error: 3.9150 parameter: [18.39797776 0.74827587 -1.8921330
1 -0.17330342]
Round2712-----squared error: 3.9150 parameter: [18.39797787 0.74820511 -1.8921982
9 -0.17329407]
Round2713-----squared error: 3.9150 parameter: [18.39797798 0.74813442 -1.8922635
-0.17328472]
Round2714-----squared error: 3.9150 parameter: [18.39797809 0.7480638 -1.8923286
5 -0.17327538]
Round2715-----squared error: 3.9150 parameter: [18.3979782 0.74799324 -1.8923937
3 -0.17326605]
Round2716-----squared error: 3.9150 parameter: [18.39797831 0.74792275 -1.8924587
5 -0.17325672]
Round2717-----squared error: 3.9150 parameter: [18.39797842 0.74785233 -1.8925237
1 -0.1732474]
Round2718-----squared error: 3.9150 parameter: [18.39797852 0.74778198 -1.8925886
-0.17323808]
Round2719-----squared error: 3.9150 parameter: [18.39797863 0.74771169 -1.8926534
3 -0.17322878]
Round2720-----squared error: 3.9150 parameter: [18.39797874 0.74764147 -1.8927181
9 -0.17321947]

Round2721-----squared error: 3.9150 parameter: [18.39797884 0.74757131 -1.8927828
9 -0.17321017]
Round2722-----squared error: 3.9150 parameter: [18.39797895 0.74750122 -1.8928475
3 -0.17320088]
Round2723-----squared error: 3.9150 parameter: [18.39797906 0.7474312 -1.8929121
-0.1731916]
Round2724-----squared error: 3.9150 parameter: [18.39797916 0.74736125 -1.8929766
1 -0.17318232]
Round2725-----squared error: 3.9150 parameter: [18.39797926 0.74729136 -1.8930410
6 -0.17317304]
Round2726-----squared error: 3.9150 parameter: [18.39797937 0.74722154 -1.8931054
4 -0.17316378]
Round2727-----squared error: 3.9149 parameter: [18.39797947 0.74715178 -1.8931697
6 -0.17315452]
Round2728-----squared error: 3.9149 parameter: [18.39797957 0.74708209 -1.8932340
1 -0.17314526]
Round2729-----squared error: 3.9149 parameter: [18.39797968 0.74701247 -1.8932982
-0.17313601]
Round2730-----squared error: 3.9149 parameter: [18.39797978 0.74694291 -1.8933623
3 -0.17312677]
Round2731-----squared error: 3.9149 parameter: [18.39797988 0.74687342 -1.8934264
-0.17311753]
Round2732-----squared error: 3.9149 parameter: [18.39797998 0.74680399 -1.8934904
-0.1731083]
Round2733-----squared error: 3.9149 parameter: [18.39798008 0.74673463 -1.8935543
4 -0.17309907]
Round2734-----squared error: 3.9149 parameter: [18.39798018 0.74666534 -1.8936182
1 -0.17308985]
Round2735-----squared error: 3.9149 parameter: [18.39798028 0.74659611 -1.8936820
2 -0.17308064]
Round2736-----squared error: 3.9149 parameter: [18.39798038 0.74652695 -1.8937457
7 -0.17307143]
Round2737-----squared error: 3.9149 parameter: [18.39798047 0.74645786 -1.8938094
6 -0.17306223]
Round2738-----squared error: 3.9149 parameter: [18.39798057 0.74638883 -1.8938730
9 -0.17305304]
Round2739-----squared error: 3.9149 parameter: [18.39798067 0.74631986 -1.8939366
5 -0.17304385]
Round2740-----squared error: 3.9149 parameter: [18.39798077 0.74625096 -1.8940001
5 -0.17303467]
Round2741-----squared error: 3.9149 parameter: [18.39798086 0.74618213 -1.8940635
8 -0.17302549]
Round2742-----squared error: 3.9149 parameter: [18.39798096 0.74611336 -1.8941269
6 -0.17301632]
Round2743-----squared error: 3.9149 parameter: [18.39798105 0.74604466 -1.8941902
7 -0.17300716]
Round2744-----squared error: 3.9149 parameter: [18.39798115 0.74597602 -1.8942535
2 -0.172998]
Round2745-----squared error: 3.9149 parameter: [18.39798124 0.74590745 -1.8943167
-0.17298885]
Round2746-----squared error: 3.9149 parameter: [18.39798134 0.74583894 -1.8943798
3 -0.1729797]
Round2747-----squared error: 3.9149 parameter: [18.39798143 0.7457705 -1.8944428
9 -0.17297056]
Round2748-----squared error: 3.9149 parameter: [18.39798152 0.74570212 -1.8945058
9 -0.17296143]
Round2749-----squared error: 3.9149 parameter: [18.39798161 0.74563381 -1.8945688
3 -0.1729523]
Round2750-----squared error: 3.9149 parameter: [18.39798171 0.74556556 -1.8946317
-0.17294318]
Round2751-----squared error: 3.9149 parameter: [18.3979818 0.74549738 -1.8946945
2 -0.17293406]
Round2752-----squared error: 3.9149 parameter: [18.39798189 0.74542926 -1.8947572
7 -0.17292495]

Round2753-----squared error: 3.9149 parameter: [18.39798198 0.74536121 -1.8948199
6 -0.17291585]
Round2754-----squared error: 3.9149 parameter: [18.39798207 0.74529322 -1.8948825
9 -0.17290675]
Round2755-----squared error: 3.9149 parameter: [18.39798216 0.7452253 -1.8949451
6 -0.17289766]
Round2756-----squared error: 3.9148 parameter: [18.39798225 0.74515744 -1.8950076
6 -0.17288857]
Round2757-----squared error: 3.9148 parameter: [18.39798234 0.74508965 -1.8950701
1 -0.17287949]
Round2758-----squared error: 3.9148 parameter: [18.39798243 0.74502192 -1.8951324
9 -0.17287042]
Round2759-----squared error: 3.9148 parameter: [18.39798251 0.74495425 -1.8951948
1 -0.17286135]
Round2760-----squared error: 3.9148 parameter: [18.3979826 0.74488665 -1.8952570
7 -0.17285229]
Round2761-----squared error: 3.9148 parameter: [18.39798269 0.74481911 -1.8953192
7 -0.17284324]
Round2762-----squared error: 3.9148 parameter: [18.39798277 0.74475164 -1.8953814
1 -0.17283419]
Round2763-----squared error: 3.9148 parameter: [18.39798286 0.74468423 -1.8954434
8 -0.17282515]
Round2764-----squared error: 3.9148 parameter: [18.39798295 0.74461689 -1.8955055
-0.17281611]
Round2765-----squared error: 3.9148 parameter: [18.39798303 0.74454961 -1.8955674
5 -0.17280708]
Round2766-----squared error: 3.9148 parameter: [18.39798312 0.74448239 -1.8956293
4 -0.17279806]
Round2767-----squared error: 3.9148 parameter: [18.3979832 0.74441524 -1.8956911
8 -0.17278904]
Round2768-----squared error: 3.9148 parameter: [18.39798328 0.74434815 -1.8957529
5 -0.17278003]
Round2769-----squared error: 3.9148 parameter: [18.39798337 0.74428113 -1.8958146
6 -0.17277102]
Round2770-----squared error: 3.9148 parameter: [18.39798345 0.74421417 -1.8958763
1 -0.17276202]
Round2771-----squared error: 3.9148 parameter: [18.39798353 0.74414727 -1.8959379
-0.17275303]
Round2772-----squared error: 3.9148 parameter: [18.39798362 0.74408044 -1.8959994
2 -0.17274404]
Round2773-----squared error: 3.9148 parameter: [18.3979837 0.74401367 -1.8960608
9 -0.17273506]
Round2774-----squared error: 3.9148 parameter: [18.39798378 0.74394696 -1.8961223
-0.17272608]
Round2775-----squared error: 3.9148 parameter: [18.39798386 0.74388032 -1.8961836
5 -0.17271712]
Round2776-----squared error: 3.9148 parameter: [18.39798394 0.74381374 -1.8962449
3 -0.17270815]
Round2777-----squared error: 3.9148 parameter: [18.39798402 0.74374722 -1.8963061
6 -0.1726992]
Round2778-----squared error: 3.9148 parameter: [18.3979841 0.74368077 -1.8963673
2 -0.17269025]
Round2779-----squared error: 3.9148 parameter: [18.39798418 0.74361438 -1.8964284
3 -0.1726813]
Round2780-----squared error: 3.9148 parameter: [18.39798426 0.74354805 -1.8964894
7 -0.17267236]
Round2781-----squared error: 3.9148 parameter: [18.39798434 0.74348179 -1.8965504
6 -0.17266343]
Round2782-----squared error: 3.9148 parameter: [18.39798442 0.74341559 -1.8966113
9 -0.1726545]
Round2783-----squared error: 3.9148 parameter: [18.3979845 0.74334945 -1.8966722
5 -0.17264558]
Round2784-----squared error: 3.9148 parameter: [18.39798457 0.74328338 -1.8967330
6 -0.17263667]

Round2785-----squared error: 3.9147 parameter: [18.39798465 0.74321736 -1.8967938
-0.17262776]
Round2786-----squared error: 3.9147 parameter: [18.39798473 0.74315141 -1.8968544
9 -0.17261886]
Round2787-----squared error: 3.9147 parameter: [18.3979848 0.74308553 -1.8969151
2 -0.17260997]
Round2788-----squared error: 3.9147 parameter: [18.39798488 0.74301971 -1.8969756
8 -0.17260108]
Round2789-----squared error: 3.9147 parameter: [18.39798495 0.74295394 -1.8970361
9 -0.17259219]
Round2790-----squared error: 3.9147 parameter: [18.39798503 0.74288825 -1.8970966
4 -0.17258332]
Round2791-----squared error: 3.9147 parameter: [18.3979851 0.74282261 -1.8971570
3 -0.17257445]
Round2792-----squared error: 3.9147 parameter: [18.39798518 0.74275704 -1.8972173
6 -0.17256558]
Round2793-----squared error: 3.9147 parameter: [18.39798525 0.74269153 -1.8972776
3 -0.17255672]
Round2794-----squared error: 3.9147 parameter: [18.39798533 0.74262608 -1.8973378
4 -0.17254787]
Round2795-----squared error: 3.9147 parameter: [18.3979854 0.74256069 -1.8973979
9 -0.17253903]
Round2796-----squared error: 3.9147 parameter: [18.39798547 0.74249537 -1.8974580
8 -0.17253019]
Round2797-----squared error: 3.9147 parameter: [18.39798555 0.74243011 -1.8975181
1 -0.17252135]
Round2798-----squared error: 3.9147 parameter: [18.39798562 0.74236491 -1.8975780
9 -0.17251253]
Round2799-----squared error: 3.9147 parameter: [18.39798569 0.74229977 -1.897638
-0.1725037]
Round2800-----squared error: 3.9147 parameter: [18.39798576 0.74223469 -1.8976978
6 -0.17249489]
Round2801-----squared error: 3.9147 parameter: [18.39798583 0.74216968 -1.8977576
5 -0.17248608]
Round2802-----squared error: 3.9147 parameter: [18.3979859 0.74210473 -1.8978173
9 -0.17247728]
Round2803-----squared error: 3.9147 parameter: [18.39798597 0.74203984 -1.8978770
7 -0.17246848]
Round2804-----squared error: 3.9147 parameter: [18.39798604 0.74197501 -1.8979366
9 -0.17245969]
Round2805-----squared error: 3.9147 parameter: [18.39798611 0.74191024 -1.8979962
6 -0.17245091]
Round2806-----squared error: 3.9147 parameter: [18.39798618 0.74184554 -1.8980557
6 -0.17244213]
Round2807-----squared error: 3.9147 parameter: [18.39798625 0.74178089 -1.8981152
1 -0.17243336]
Round2808-----squared error: 3.9147 parameter: [18.39798632 0.74171631 -1.8981745
9 -0.17242459]
Round2809-----squared error: 3.9147 parameter: [18.39798639 0.74165179 -1.8982339
2 -0.17241583]
Round2810-----squared error: 3.9147 parameter: [18.39798646 0.74158733 -1.8982931
9 -0.17240708]
Round2811-----squared error: 3.9147 parameter: [18.39798653 0.74152294 -1.8983524
1 -0.17239833]
Round2812-----squared error: 3.9147 parameter: [18.39798659 0.7414586 -1.8984115
6 -0.17238959]
Round2813-----squared error: 3.9147 parameter: [18.39798666 0.74139433 -1.8984706
6 -0.17238085]
Round2814-----squared error: 3.9147 parameter: [18.39798673 0.74133011 -1.8985296
9 -0.17237213]
Round2815-----squared error: 3.9147 parameter: [18.39798679 0.74126596 -1.8985886
7 -0.1723634]
Round2816-----squared error: 3.9147 parameter: [18.39798686 0.74120187 -1.8986476
-0.17235469]

Round2817-----squared error: 3.9146 parameter: [18.39798692 0.74113784 -1.8987064
6 -0.17234598]
Round2818-----squared error: 3.9146 parameter: [18.39798699 0.74107387 -1.8987652
7 -0.17233727]
Round2819-----squared error: 3.9146 parameter: [18.39798706 0.74100996 -1.8988240
1 -0.17232857]
Round2820-----squared error: 3.9146 parameter: [18.39798712 0.74094611 -1.8988827
1 -0.17231988]
Round2821-----squared error: 3.9146 parameter: [18.39798718 0.74088232 -1.8989413
4 -0.1723112]
Round2822-----squared error: 3.9146 parameter: [18.39798725 0.7408186 -1.8989999
1 -0.17230252]
Round2823-----squared error: 3.9146 parameter: [18.39798731 0.74075493 -1.8990584
3 -0.17229384]
Round2824-----squared error: 3.9146 parameter: [18.39798738 0.74069133 -1.8991168
9 -0.17228518]
Round2825-----squared error: 3.9146 parameter: [18.39798744 0.74062778 -1.8991753
-0.17227652]
Round2826-----squared error: 3.9146 parameter: [18.3979875 0.7405643 -1.8992336
4 -0.17226786]
Round2827-----squared error: 3.9146 parameter: [18.39798756 0.74050088 -1.8992919
3 -0.17225921]
Round2828-----squared error: 3.9146 parameter: [18.39798763 0.74043751 -1.8993501
6 -0.17225057]
Round2829-----squared error: 3.9146 parameter: [18.39798769 0.74037421 -1.8994083
4 -0.17224194]
Round2830-----squared error: 3.9146 parameter: [18.39798775 0.74031097 -1.8994664
5 -0.17223331]
Round2831-----squared error: 3.9146 parameter: [18.39798781 0.74024779 -1.8995245
1 -0.17222468]
Round2832-----squared error: 3.9146 parameter: [18.39798787 0.74018466 -1.8995825
2 -0.17221606]
Round2833-----squared error: 3.9146 parameter: [18.39798793 0.7401216 -1.8996404
6 -0.17220745]
Round2834-----squared error: 3.9146 parameter: [18.39798799 0.7400586 -1.8996983
5 -0.17219885]
Round2835-----squared error: 3.9146 parameter: [18.39798805 0.73999566 -1.8997561
8 -0.17219025]
Round2836-----squared error: 3.9146 parameter: [18.39798811 0.73993278 -1.8998139
6 -0.17218166]
Round2837-----squared error: 3.9146 parameter: [18.39798817 0.73986996 -1.8998716
8 -0.17217307]
Round2838-----squared error: 3.9146 parameter: [18.39798823 0.73980719 -1.8999293
4 -0.17216449]
Round2839-----squared error: 3.9146 parameter: [18.39798829 0.73974449 -1.8999869
5 -0.17215591]
Round2840-----squared error: 3.9146 parameter: [18.39798835 0.73968185 -1.9000444
9 -0.17214735]
Round2841-----squared error: 3.9146 parameter: [18.39798841 0.73961927 -1.9001019
9 -0.17213878]
Round2842-----squared error: 3.9146 parameter: [18.39798846 0.73955674 -1.9001594
2 -0.17213023]
Round2843-----squared error: 3.9146 parameter: [18.39798852 0.73949428 -1.9002168
-0.17212168]
Round2844-----squared error: 3.9146 parameter: [18.39798858 0.73943187 -1.9002741
3 -0.17211314]
Round2845-----squared error: 3.9146 parameter: [18.39798864 0.73936953 -1.9003313
9 -0.1721046]
Round2846-----squared error: 3.9146 parameter: [18.39798869 0.73930725 -1.9003886
-0.17209607]
Round2847-----squared error: 3.9146 parameter: [18.39798875 0.73924502 -1.9004457
6 -0.17208754]
Round2848-----squared error: 3.9146 parameter: [18.39798881 0.73918285 -1.9005028
6 -0.17207903]

Round2849-----squared error: 3.9146 parameter: [18.39798886 0.73912075 -1.9005599
-0.17207051]
Round2850-----squared error: 3.9146 parameter: [18.39798892 0.7390587 -1.9006168
9 -0.17206201]
Round2851-----squared error: 3.9145 parameter: [18.39798897 0.73899671 -1.9006738
2 -0.17205351]
Round2852-----squared error: 3.9145 parameter: [18.39798903 0.73893478 -1.9007306
9 -0.17204501]
Round2853-----squared error: 3.9145 parameter: [18.39798908 0.73887291 -1.9007875
1 -0.17203653]
Round2854-----squared error: 3.9145 parameter: [18.39798914 0.73881109 -1.9008442
8 -0.17202804]
Round2855-----squared error: 3.9145 parameter: [18.39798919 0.73874934 -1.9009009
8 -0.17201957]
Round2856-----squared error: 3.9145 parameter: [18.39798925 0.73868765 -1.9009576
4 -0.1720111]
Round2857-----squared error: 3.9145 parameter: [18.3979893 0.73862601 -1.9010142
3 -0.17200264]
Round2858-----squared error: 3.9145 parameter: [18.39798935 0.73856444 -1.9010707
7 -0.17199418]
Round2859-----squared error: 3.9145 parameter: [18.39798941 0.73850292 -1.9011272
6 -0.17198573]
Round2860-----squared error: 3.9145 parameter: [18.39798946 0.73844146 -1.9011836
9 -0.17197728]
Round2861-----squared error: 3.9145 parameter: [18.39798951 0.73838006 -1.9012400
7 -0.17196885]
Round2862-----squared error: 3.9145 parameter: [18.39798957 0.73831871 -1.9012963
9 -0.17196041]
Round2863-----squared error: 3.9145 parameter: [18.39798962 0.73825743 -1.9013526
5 -0.17195199]
Round2864-----squared error: 3.9145 parameter: [18.39798967 0.73819621 -1.9014088
6 -0.17194357]
Round2865-----squared error: 3.9145 parameter: [18.39798972 0.73813504 -1.9014650
1 -0.17193516]
Round2866-----squared error: 3.9145 parameter: [18.39798977 0.73807393 -1.9015211
1 -0.17192675]
Round2867-----squared error: 3.9145 parameter: [18.39798982 0.73801288 -1.9015771
6 -0.17191835]
Round2868-----squared error: 3.9145 parameter: [18.39798987 0.73795189 -1.9016331
5 -0.17190995]
Round2869-----squared error: 3.9145 parameter: [18.39798992 0.73789095 -1.9016890
8 -0.17190156]
Round2870-----squared error: 3.9145 parameter: [18.39798998 0.73783008 -1.9017449
6 -0.17189318]
Round2871-----squared error: 3.9145 parameter: [18.39799003 0.73776926 -1.9018007
8 -0.1718848]
Round2872-----squared error: 3.9145 parameter: [18.39799008 0.7377085 -1.9018565
5 -0.17187643]
Round2873-----squared error: 3.9145 parameter: [18.39799012 0.7376478 -1.9019122
7 -0.17186807]
Round2874-----squared error: 3.9145 parameter: [18.39799017 0.73758715 -1.9019679
3 -0.17185971]
Round2875-----squared error: 3.9145 parameter: [18.39799022 0.73752656 -1.9020235
4 -0.17185136]
Round2876-----squared error: 3.9145 parameter: [18.39799027 0.73746604 -1.9020790
9 -0.17184302]
Round2877-----squared error: 3.9145 parameter: [18.39799032 0.73740556 -1.9021345
8 -0.17183468]
Round2878-----squared error: 3.9145 parameter: [18.39799037 0.73734515 -1.9021900
3 -0.17182634]
Round2879-----squared error: 3.9145 parameter: [18.39799042 0.7372848 -1.9022454
1 -0.17181802]
Round2880-----squared error: 3.9145 parameter: [18.39799047 0.7372245 -1.9023007
5 -0.1718097]

Round2881-----squared error: 3.9145 parameter: [18.39799051 0.73716426 -1.9023560
3 -0.17180138]
Round2882-----squared error: 3.9145 parameter: [18.39799056 0.73710407 -1.9024112
5 -0.17179307]
Round2883-----squared error: 3.9145 parameter: [18.39799061 0.73704395 -1.9024664
3 -0.17178477]
Round2884-----squared error: 3.9145 parameter: [18.39799065 0.73698388 -1.9025215
4 -0.17177647]
Round2885-----squared error: 3.9145 parameter: [18.3979907 0.73692387 -1.9025766
1 -0.17176818]
Round2886-----squared error: 3.9145 parameter: [18.39799075 0.73686391 -1.9026316
2 -0.1717599]
Round2887-----squared error: 3.9144 parameter: [18.39799079 0.73680402 -1.9026865
7 -0.17175162]
Round2888-----squared error: 3.9144 parameter: [18.39799084 0.73674418 -1.9027414
7 -0.17174335]
Round2889-----squared error: 3.9144 parameter: [18.39799089 0.73668439 -1.9027963
2 -0.17173509]
Round2890-----squared error: 3.9144 parameter: [18.39799093 0.73662467 -1.9028511
2 -0.17172683]
Round2891-----squared error: 3.9144 parameter: [18.39799098 0.736565 -1.9029058
6 -0.17171858]
Round2892-----squared error: 3.9144 parameter: [18.39799102 0.73650539 -1.9029605
4 -0.17171033]
Round2893-----squared error: 3.9144 parameter: [18.39799107 0.73644583 -1.9030151
8 -0.17170209]
Round2894-----squared error: 3.9144 parameter: [18.39799111 0.73638633 -1.9030697
6 -0.17169385]
Round2895-----squared error: 3.9144 parameter: [18.39799116 0.73632689 -1.9031242
8 -0.17168563]
Round2896-----squared error: 3.9144 parameter: [18.3979912 0.73626751 -1.9031787
6 -0.1716774]
Round2897-----squared error: 3.9144 parameter: [18.39799124 0.73620818 -1.9032331
7 -0.17166919]
Round2898-----squared error: 3.9144 parameter: [18.39799129 0.73614891 -1.9032875
4 -0.17166098]
Round2899-----squared error: 3.9144 parameter: [18.39799133 0.73608969 -1.9033418
5 -0.17165277]
Round2900-----squared error: 3.9144 parameter: [18.39799137 0.73603053 -1.9033961
1 -0.17164458]
Round2901-----squared error: 3.9144 parameter: [18.39799142 0.73597143 -1.9034503
2 -0.17163639]
Round2902-----squared error: 3.9144 parameter: [18.39799146 0.73591238 -1.9035044
7 -0.1716282]
Round2903-----squared error: 3.9144 parameter: [18.3979915 0.7358534 -1.9035585
7 -0.17162002]
Round2904-----squared error: 3.9144 parameter: [18.39799155 0.73579446 -1.9036126
2 -0.17161185]
Round2905-----squared error: 3.9144 parameter: [18.39799159 0.73573559 -1.9036666
2 -0.17160368]
Round2906-----squared error: 3.9144 parameter: [18.39799163 0.73567676 -1.9037205
6 -0.17159552]
Round2907-----squared error: 3.9144 parameter: [18.39799167 0.735618 -1.9037744
5 -0.17158737]
Round2908-----squared error: 3.9144 parameter: [18.39799171 0.73555929 -1.9038282
8 -0.17157922]
Round2909-----squared error: 3.9144 parameter: [18.39799176 0.73550064 -1.9038820
7 -0.17157108]
Round2910-----squared error: 3.9144 parameter: [18.3979918 0.73544204 -1.9039358
-0.17156294]
Round2911-----squared error: 3.9144 parameter: [18.39799184 0.7353835 -1.9039894
8 -0.17155481]
Round2912-----squared error: 3.9144 parameter: [18.39799188 0.73532502 -1.9040431
-0.17154669]

Round2913-----squared error: 3.9144 parameter: [18.39799192 0.73526659 -1.9040966
8 -0.17153857]
Round2914-----squared error: 3.9144 parameter: [18.39799196 0.73520821 -1.9041502
-0.17153046]
Round2915-----squared error: 3.9144 parameter: [18.397992 0.7351499 -1.9042036
6 -0.17152236]
Round2916-----squared error: 3.9144 parameter: [18.39799204 0.73509163 -1.9042570
8 -0.17151426]
Round2917-----squared error: 3.9144 parameter: [18.39799208 0.73503343 -1.9043104
4 -0.17150616]
Round2918-----squared error: 3.9144 parameter: [18.39799212 0.73497528 -1.9043637
6 -0.17149808]
Round2919-----squared error: 3.9144 parameter: [18.39799216 0.73491718 -1.9044170
1 -0.17149]
Round2920-----squared error: 3.9144 parameter: [18.3979922 0.73485914 -1.9044702
2 -0.17148192]
Round2921-----squared error: 3.9144 parameter: [18.39799224 0.73480116 -1.9045233
8 -0.17147385]
Round2922-----squared error: 3.9144 parameter: [18.39799228 0.73474323 -1.9045764
8 -0.17146579]
Round2923-----squared error: 3.9144 parameter: [18.39799231 0.73468535 -1.9046295
3 -0.17145774]
Round2924-----squared error: 3.9144 parameter: [18.39799235 0.73462753 -1.9046825
3 -0.17144969]
Round2925-----squared error: 3.9144 parameter: [18.39799239 0.73456977 -1.9047354
8 -0.17144164]
Round2926-----squared error: 3.9143 parameter: [18.39799243 0.73451206 -1.9047883
7 -0.17143361]
Round2927-----squared error: 3.9143 parameter: [18.39799247 0.73445441 -1.9048412
2 -0.17142557]
Round2928-----squared error: 3.9143 parameter: [18.3979925 0.73439681 -1.9048940
1 -0.17141755]
Round2929-----squared error: 3.9143 parameter: [18.39799254 0.73433927 -1.9049467
5 -0.17140953]
Round2930-----squared error: 3.9143 parameter: [18.39799258 0.73428178 -1.9049994
4 -0.17140152]
Round2931-----squared error: 3.9143 parameter: [18.39799262 0.73422434 -1.9050520
8 -0.17139351]
Round2932-----squared error: 3.9143 parameter: [18.39799265 0.73416696 -1.9051046
6 -0.17138551]
Round2933-----squared error: 3.9143 parameter: [18.39799269 0.73410964 -1.9051571
9 -0.17137751]
Round2934-----squared error: 3.9143 parameter: [18.39799273 0.73405237 -1.9052096
8 -0.17136953]
Round2935-----squared error: 3.9143 parameter: [18.39799276 0.73399516 -1.9052621
1 -0.17136154]
Round2936-----squared error: 3.9143 parameter: [18.3979928 0.733938 -1.9053144
9 -0.17135357]
Round2937-----squared error: 3.9143 parameter: [18.39799283 0.73388089 -1.9053668
2 -0.1713456]
Round2938-----squared error: 3.9143 parameter: [18.39799287 0.73382384 -1.9054191
-0.17133763]
Round2939-----squared error: 3.9143 parameter: [18.39799291 0.73376684 -1.9054713
2 -0.17132968]
Round2940-----squared error: 3.9143 parameter: [18.39799294 0.7337099 -1.9055235
-0.17132172]
Round2941-----squared error: 3.9143 parameter: [18.39799298 0.73365301 -1.9055756
2 -0.17131378]
Round2942-----squared error: 3.9143 parameter: [18.39799301 0.73359618 -1.9056277
-0.17130584]
Round2943-----squared error: 3.9143 parameter: [18.39799305 0.7335394 -1.9056797
2 -0.17129791]
Round2944-----squared error: 3.9143 parameter: [18.39799308 0.73348267 -1.9057316
9 -0.17128998]

Round2945-----squared error: 3.9143 parameter: [18.39799312 0.733426 -1.9057836
1 -0.17128206]
Round2946-----squared error: 3.9143 parameter: [18.39799315 0.73336939 -1.9058354
8 -0.17127414]
Round2947-----squared error: 3.9143 parameter: [18.39799319 0.73331282 -1.9058873
-0.17126623]
Round2948-----squared error: 3.9143 parameter: [18.39799322 0.73325631 -1.9059390
7 -0.17125833]
Round2949-----squared error: 3.9143 parameter: [18.39799325 0.73319986 -1.9059907
9 -0.17125043]
Round2950-----squared error: 3.9143 parameter: [18.39799329 0.73314346 -1.9060424
6 -0.17124254]
Round2951-----squared error: 3.9143 parameter: [18.39799332 0.73308711 -1.9060940
7 -0.17123466]
Round2952-----squared error: 3.9143 parameter: [18.39799335 0.73303082 -1.9061456
4 -0.17122678]
Round2953-----squared error: 3.9143 parameter: [18.39799339 0.73297458 -1.9061971
5 -0.17121891]
Round2954-----squared error: 3.9143 parameter: [18.39799342 0.73291839 -1.9062486
2 -0.17121104]
Round2955-----squared error: 3.9143 parameter: [18.39799345 0.73286226 -1.9063000
4 -0.17120318]
Round2956-----squared error: 3.9143 parameter: [18.39799349 0.73280618 -1.9063514
-0.17119533]
Round2957-----squared error: 3.9143 parameter: [18.39799352 0.73275016 -1.9064027
2 -0.17118748]
Round2958-----squared error: 3.9143 parameter: [18.39799355 0.73269418 -1.9064539
8 -0.17117964]
Round2959-----squared error: 3.9143 parameter: [18.39799358 0.73263827 -1.9065051
9 -0.1711718]
Round2960-----squared error: 3.9143 parameter: [18.39799362 0.7325824 -1.9065563
6 -0.17116397]
Round2961-----squared error: 3.9143 parameter: [18.39799365 0.73252659 -1.9066074
7 -0.17115615]
Round2962-----squared error: 3.9143 parameter: [18.39799368 0.73247083 -1.9066585
4 -0.17114833]
Round2963-----squared error: 3.9143 parameter: [18.39799371 0.73241513 -1.9067095
5 -0.17114052]
Round2964-----squared error: 3.9143 parameter: [18.39799374 0.73235947 -1.9067605
2 -0.17113271]
Round2965-----squared error: 3.9143 parameter: [18.39799377 0.73230387 -1.9068114
3 -0.17112492]
Round2966-----squared error: 3.9143 parameter: [18.3979938 0.73224833 -1.9068623
-0.17111712]
Round2967-----squared error: 3.9143 parameter: [18.39799384 0.73219284 -1.9069131
1 -0.17110933]
Round2968-----squared error: 3.9142 parameter: [18.39799387 0.7321374 -1.9069638
8 -0.17110155]
Round2969-----squared error: 3.9142 parameter: [18.3979939 0.73208201 -1.9070146
-0.17109378]
Round2970-----squared error: 3.9142 parameter: [18.39799393 0.73202668 -1.9070652
6 -0.17108601]
Round2971-----squared error: 3.9142 parameter: [18.39799396 0.7319714 -1.9071158
8 -0.17107825]
Round2972-----squared error: 3.9142 parameter: [18.39799399 0.73191617 -1.9071664
5 -0.17107049]
Round2973-----squared error: 3.9142 parameter: [18.39799402 0.73186099 -1.9072169
6 -0.17106274]
Round2974-----squared error: 3.9142 parameter: [18.39799405 0.73180587 -1.9072674
3 -0.171055]
Round2975-----squared error: 3.9142 parameter: [18.39799408 0.7317508 -1.9073178
5 -0.17104726]
Round2976-----squared error: 3.9142 parameter: [18.39799411 0.73169578 -1.9073682
2 -0.17103952]

Round2977-----squared error: 3.9142 parameter: [18.39799414 0.73164082 -1.9074185
4 -0.1710318]
Round2978-----squared error: 3.9142 parameter: [18.39799417 0.73158591 -1.9074688
2 -0.17102408]
Round2979-----squared error: 3.9142 parameter: [18.3979942 0.73153105 -1.9075190
4 -0.17101636]
Round2980-----squared error: 3.9142 parameter: [18.39799422 0.73147624 -1.9075692
1 -0.17100865]
Round2981-----squared error: 3.9142 parameter: [18.39799425 0.73142148 -1.9076193
4 -0.17100095]
Round2982-----squared error: 3.9142 parameter: [18.39799428 0.73136678 -1.9076694
1 -0.17099326]
Round2983-----squared error: 3.9142 parameter: [18.39799431 0.73131213 -1.9077194
4 -0.17098557]
Round2984-----squared error: 3.9142 parameter: [18.39799434 0.73125753 -1.9077694
2 -0.17097788]
Round2985-----squared error: 3.9142 parameter: [18.39799437 0.73120298 -1.9078193
5 -0.1709702]
Round2986-----squared error: 3.9142 parameter: [18.3979944 0.73114849 -1.9078692
3 -0.17096253]
Round2987-----squared error: 3.9142 parameter: [18.39799442 0.73109405 -1.9079190
6 -0.17095487]
Round2988-----squared error: 3.9142 parameter: [18.39799445 0.73103966 -1.9079688
4 -0.17094721]
Round2989-----squared error: 3.9142 parameter: [18.39799448 0.73098532 -1.9080185
8 -0.17093955]
Round2990-----squared error: 3.9142 parameter: [18.39799451 0.73093103 -1.9080682
6 -0.17093191]
Round2991-----squared error: 3.9142 parameter: [18.39799453 0.7308768 -1.9081179
-0.17092426]
Round2992-----squared error: 3.9142 parameter: [18.39799456 0.73082262 -1.9081674
9 -0.17091663]
Round2993-----squared error: 3.9142 parameter: [18.39799459 0.73076849 -1.9082170
3 -0.170909]
Round2994-----squared error: 3.9142 parameter: [18.39799462 0.73071441 -1.9082665
2 -0.17090137]
Round2995-----squared error: 3.9142 parameter: [18.39799464 0.73066038 -1.9083159
6 -0.17089376]
Round2996-----squared error: 3.9142 parameter: [18.39799467 0.7306064 -1.9083653
6 -0.17088614]
Round2997-----squared error: 3.9142 parameter: [18.3979947 0.73055248 -1.9084147
1 -0.17087854]
Round2998-----squared error: 3.9142 parameter: [18.39799472 0.73049861 -1.908464
-0.17087094]
Round2999-----squared error: 3.9142 parameter: [18.39799475 0.73044479 -1.9085132
5 -0.17086335]
Round3000-----squared error: 3.9142 parameter: [18.39799478 0.73039102 -1.9085624
6 -0.17085576]
Round3001-----squared error: 3.9142 parameter: [18.3979948 0.7303373 -1.9086116
1 -0.17084818]
Round3002-----squared error: 3.9142 parameter: [18.39799483 0.73028363 -1.9086607
2 -0.1708406]
Round3003-----squared error: 3.9142 parameter: [18.39799485 0.73023002 -1.9087097
8 -0.17083303]
Round3004-----squared error: 3.9142 parameter: [18.39799488 0.73017645 -1.9087587
9 -0.17082547]
Round3005-----squared error: 3.9142 parameter: [18.3979949 0.73012294 -1.9088077
5 -0.17081791]
Round3006-----squared error: 3.9142 parameter: [18.39799493 0.73006947 -1.9088566
7 -0.17081036]
Round3007-----squared error: 3.9142 parameter: [18.39799496 0.73001606 -1.9089055
3 -0.17080281]
Round3008-----squared error: 3.9142 parameter: [18.39799498 0.7299627 -1.9089543
5 -0.17079527]

Round3009-----squared error: 3.9142 parameter: [18.39799501 0.72990939 -1.9090031
2 -0.17078774]
Round3010-----squared error: 3.9142 parameter: [18.39799503 0.72985614 -1.9090518
5 -0.17078021]
Round3011-----squared error: 3.9142 parameter: [18.39799506 0.72980293 -1.9091005
3 -0.17077269]
Round3012-----squared error: 3.9142 parameter: [18.39799508 0.72974977 -1.9091491
5 -0.17076518]
Round3013-----squared error: 3.9142 parameter: [18.3979951 0.72969667 -1.9091977
4 -0.17075767]
Round3014-----squared error: 3.9141 parameter: [18.39799513 0.72964361 -1.9092462
7 -0.17075016]
Round3015-----squared error: 3.9141 parameter: [18.39799515 0.72959061 -1.9092947
6 -0.17074267]
Round3016-----squared error: 3.9141 parameter: [18.39799518 0.72953765 -1.9093432
-0.17073517]
Round3017-----squared error: 3.9141 parameter: [18.3979952 0.72948475 -1.9093915
9 -0.17072769]
Round3018-----squared error: 3.9141 parameter: [18.39799523 0.7294319 -1.9094399
3 -0.17072021]
Round3019-----squared error: 3.9141 parameter: [18.39799525 0.7293791 -1.9094882
3 -0.17071274]
Round3020-----squared error: 3.9141 parameter: [18.39799527 0.72932635 -1.9095364
8 -0.17070527]
Round3021-----squared error: 3.9141 parameter: [18.3979953 0.72927364 -1.9095846
9 -0.17069781]
Round3022-----squared error: 3.9141 parameter: [18.39799532 0.72922099 -1.9096328
4 -0.17069035]
Round3023-----squared error: 3.9141 parameter: [18.39799534 0.72916839 -1.9096809
5 -0.1706829]
Round3024-----squared error: 3.9141 parameter: [18.39799537 0.72911584 -1.9097290
2 -0.17067546]
Round3025-----squared error: 3.9141 parameter: [18.39799539 0.72906334 -1.9097770
3 -0.17066802]
Round3026-----squared error: 3.9141 parameter: [18.39799541 0.72901089 -1.909825
-0.17066059]
Round3027-----squared error: 3.9141 parameter: [18.39799544 0.72895849 -1.9098729
2 -0.17065316]
Round3028-----squared error: 3.9141 parameter: [18.39799546 0.72890614 -1.9099208
-0.17064574]
Round3029-----squared error: 3.9141 parameter: [18.39799548 0.72885385 -1.9099686
3 -0.17063833]
Round3030-----squared error: 3.9141 parameter: [18.3979955 0.7288016 -1.9100164
1 -0.17063092]
Round3031-----squared error: 3.9141 parameter: [18.39799553 0.7287494 -1.9100641
4 -0.17062352]
Round3032-----squared error: 3.9141 parameter: [18.39799555 0.72869725 -1.9101118
3 -0.17061612]
Round3033-----squared error: 3.9141 parameter: [18.39799557 0.72864515 -1.9101594
7 -0.17060873]
Round3034-----squared error: 3.9141 parameter: [18.39799559 0.7285931 -1.9102070
7 -0.17060135]
Round3035-----squared error: 3.9141 parameter: [18.39799562 0.7285411 -1.9102546
2 -0.17059397]
Round3036-----squared error: 3.9141 parameter: [18.39799564 0.72848915 -1.9103021
2 -0.1705866]
Round3037-----squared error: 3.9141 parameter: [18.39799566 0.72843725 -1.9103495
8 -0.17057923]
Round3038-----squared error: 3.9141 parameter: [18.39799568 0.72838539 -1.9103969
9 -0.17057187]
Round3039-----squared error: 3.9141 parameter: [18.3979957 0.72833359 -1.9104443
5 -0.17056451]
Round3040-----squared error: 3.9141 parameter: [18.39799572 0.72828184 -1.9104916
7 -0.17055717]

Round3041-----squared error: 3.9141 parameter: [18.39799575 0.72823014 -1.9105389
4 -0.17054982]
Round3042-----squared error: 3.9141 parameter: [18.39799577 0.72817849 -1.9105861
7 -0.17054249]
Round3043-----squared error: 3.9141 parameter: [18.39799579 0.72812688 -1.9106333
5 -0.17053516]
Round3044-----squared error: 3.9141 parameter: [18.39799581 0.72807533 -1.9106804
8 -0.17052783]
Round3045-----squared error: 3.9141 parameter: [18.39799583 0.72802382 -1.9107275
7 -0.17052051]
Round3046-----squared error: 3.9141 parameter: [18.39799585 0.72797237 -1.9107746
1 -0.1705132]
Round3047-----squared error: 3.9141 parameter: [18.39799587 0.72792096 -1.9108216
1 -0.17050589]
Round3048-----squared error: 3.9141 parameter: [18.39799589 0.7278696 -1.9108685
6 -0.17049859]
Round3049-----squared error: 3.9141 parameter: [18.39799591 0.72781829 -1.9109154
6 -0.17049129]
Round3050-----squared error: 3.9141 parameter: [18.39799593 0.72776703 -1.9109623
2 -0.17048401]
Round3051-----squared error: 3.9141 parameter: [18.39799595 0.72771582 -1.9110091
3 -0.17047672]
Round3052-----squared error: 3.9141 parameter: [18.39799597 0.72766466 -1.9110559
-0.17046944]
Round3053-----squared error: 3.9141 parameter: [18.39799599 0.72761355 -1.9111026
2 -0.17046217]
Round3054-----squared error: 3.9141 parameter: [18.39799601 0.72756249 -1.9111493
-0.17045491]
Round3055-----squared error: 3.9141 parameter: [18.39799603 0.72751147 -1.9111959
3 -0.17044765]
Round3056-----squared error: 3.9141 parameter: [18.39799605 0.72746051 -1.9112425
1 -0.17044039]
Round3057-----squared error: 3.9141 parameter: [18.39799607 0.72740959 -1.9112890
5 -0.17043314]
Round3058-----squared error: 3.9141 parameter: [18.39799609 0.72735872 -1.9113355
5 -0.1704259]
Round3059-----squared error: 3.9141 parameter: [18.39799611 0.7273079 -1.9113819
9 -0.17041867]
Round3060-----squared error: 3.9141 parameter: [18.39799613 0.72725713 -1.9114284
-0.17041143]
Round3061-----squared error: 3.9141 parameter: [18.39799615 0.72720641 -1.9114747
6 -0.17040421]
Round3062-----squared error: 3.9141 parameter: [18.39799617 0.72715573 -1.9115210
7 -0.17039699]
Round3063-----squared error: 3.9141 parameter: [18.39799619 0.7271051 -1.9115673
4 -0.17038978]
Round3064-----squared error: 3.9140 parameter: [18.39799621 0.72705453 -1.9116135
6 -0.17038257]
Round3065-----squared error: 3.9140 parameter: [18.39799623 0.727004 -1.9116597
4 -0.17037537]
Round3066-----squared error: 3.9140 parameter: [18.39799625 0.72695352 -1.9117058
7 -0.17036817]
Round3067-----squared error: 3.9140 parameter: [18.39799627 0.72690309 -1.9117519
6 -0.17036099]
Round3068-----squared error: 3.9140 parameter: [18.39799628 0.7268527 -1.911798
-0.1703538]
Round3069-----squared error: 3.9140 parameter: [18.3979963 0.72680237 -1.911844
-0.17034662]
Round3070-----squared error: 3.9140 parameter: [18.39799632 0.72675208 -1.9118899
5 -0.17033945]
Round3071-----squared error: 3.9140 parameter: [18.39799634 0.72670184 -1.9119358
6 -0.17033229]
Round3072-----squared error: 3.9140 parameter: [18.39799636 0.72665165 -1.9119817
2 -0.17032513]

Round3073-----squared error: 3.9140 parameter: [18.39799638 0.7266015 -1.9120275
4 -0.17031797]
Round3074-----squared error: 3.9140 parameter: [18.39799639 0.72655141 -1.9120733
2 -0.17031082]
Round3075-----squared error: 3.9140 parameter: [18.39799641 0.72650136 -1.9121190
5 -0.17030368]
Round3076-----squared error: 3.9140 parameter: [18.39799643 0.72645136 -1.9121647
3 -0.17029654]
Round3077-----squared error: 3.9140 parameter: [18.39799645 0.72640141 -1.9122103
7 -0.17028941]
Round3078-----squared error: 3.9140 parameter: [18.39799647 0.7263515 -1.9122559
7 -0.17028229]
Round3079-----squared error: 3.9140 parameter: [18.39799648 0.72630165 -1.9123015
2 -0.17027517]
Round3080-----squared error: 3.9140 parameter: [18.3979965 0.72625184 -1.9123470
3 -0.17026806]
Round3081-----squared error: 3.9140 parameter: [18.39799652 0.72620207 -1.9123924
9 -0.17026095]
Round3082-----squared error: 3.9140 parameter: [18.39799654 0.72615236 -1.9124379
1 -0.17025385]
Round3083-----squared error: 3.9140 parameter: [18.39799655 0.7261027 -1.9124832
8 -0.17024675]
Round3084-----squared error: 3.9140 parameter: [18.39799657 0.72605308 -1.9125286
1 -0.17023966]
Round3085-----squared error: 3.9140 parameter: [18.39799659 0.72600351 -1.9125739
-0.17023258]
Round3086-----squared error: 3.9140 parameter: [18.3979966 0.72595398 -1.9126191
4 -0.1702255]
Round3087-----squared error: 3.9140 parameter: [18.39799662 0.72590451 -1.9126643
4 -0.17021842]
Round3088-----squared error: 3.9140 parameter: [18.39799664 0.72585508 -1.9127094
9 -0.17021136]
Round3089-----squared error: 3.9140 parameter: [18.39799666 0.72580569 -1.9127546
-0.1702043]
Round3090-----squared error: 3.9140 parameter: [18.39799667 0.72575636 -1.9127996
6 -0.17019724]
Round3091-----squared error: 3.9140 parameter: [18.39799669 0.72570707 -1.9128446
9 -0.17019019]
Round3092-----squared error: 3.9140 parameter: [18.39799671 0.72565783 -1.9128896
6 -0.17018315]
Round3093-----squared error: 3.9140 parameter: [18.39799672 0.72560864 -1.9129346
-0.17017611]
Round3094-----squared error: 3.9140 parameter: [18.39799674 0.72555949 -1.9129794
9 -0.17016908]
Round3095-----squared error: 3.9140 parameter: [18.39799675 0.72551039 -1.9130243
3 -0.17016205]
Round3096-----squared error: 3.9140 parameter: [18.39799677 0.72546134 -1.9130691
4 -0.17015503]
Round3097-----squared error: 3.9140 parameter: [18.39799679 0.72541234 -1.9131139
-0.17014802]
Round3098-----squared error: 3.9140 parameter: [18.3979968 0.72536338 -1.9131586
1 -0.17014101]
Round3099-----squared error: 3.9140 parameter: [18.39799682 0.72531447 -1.9132032
8 -0.170134]
Round3100-----squared error: 3.9140 parameter: [18.39799683 0.7252656 -1.9132479
1 -0.17012701]
Round3101-----squared error: 3.9140 parameter: [18.39799685 0.72521679 -1.9132925
-0.17012002]
Round3102-----squared error: 3.9140 parameter: [18.39799687 0.72516801 -1.9133370
4 -0.17011303]
Round3103-----squared error: 3.9140 parameter: [18.39799688 0.72511929 -1.9133815
4 -0.17010605]
Round3104-----squared error: 3.9140 parameter: [18.3979969 0.72507061 -1.9134259
9 -0.17009908]

Round3105-----squared error: 3.9140 parameter: [18.39799691 0.72502198 -1.9134704
-0.17009211]
Round3106-----squared error: 3.9140 parameter: [18.39799693 0.7249734 -1.9135147
-0.17008514]
Round3107-----squared error: 3.9140 parameter: [18.39799694 0.72492486 -1.9135591
-0.17007819]
Round3108-----squared error: 3.9140 parameter: [18.39799696 0.72487637 -1.9136033
8 -0.17007124]
Round3109-----squared error: 3.9140 parameter: [18.39799697 0.72482792 -1.9136476
2 -0.17006429]
Round3110-----squared error: 3.9140 parameter: [18.39799699 0.72477952 -1.9136918
1 -0.17005735]
Round3111-----squared error: 3.9140 parameter: [18.397997 0.72473117 -1.9137359
7 -0.17005042]
Round3112-----squared error: 3.9140 parameter: [18.39799702 0.72468286 -1.9137800
8 -0.17004349]
Round3113-----squared error: 3.9140 parameter: [18.39799703 0.7246346 -1.9138241
4 -0.17003657]
Round3114-----squared error: 3.9140 parameter: [18.39799705 0.72458639 -1.9138681
7 -0.17002965]
Round3115-----squared error: 3.9140 parameter: [18.39799706 0.72453822 -1.9139121
5 -0.17002274]
Round3116-----squared error: 3.9140 parameter: [18.39799708 0.7244901 -1.9139560
9 -0.17001583]
Round3117-----squared error: 3.9140 parameter: [18.39799709 0.72444202 -1.9139999
8 -0.17000893]
Round3118-----squared error: 3.9140 parameter: [18.39799711 0.72439399 -1.9140438
3 -0.17000204]
Round3119-----squared error: 3.9140 parameter: [18.39799712 0.72434601 -1.9140876
4 -0.16999515]
Round3120-----squared error: 3.9139 parameter: [18.39799714 0.72429807 -1.9141314
1 -0.16998827]
Round3121-----squared error: 3.9139 parameter: [18.39799715 0.72425018 -1.9141751
4 -0.16998139]
Round3122-----squared error: 3.9139 parameter: [18.39799717 0.72420233 -1.9142188
2 -0.16997452]
Round3123-----squared error: 3.9139 parameter: [18.39799718 0.72415453 -1.9142624
6 -0.16996766]
Round3124-----squared error: 3.9139 parameter: [18.39799719 0.72410678 -1.9143060
6 -0.1699608]
Round3125-----squared error: 3.9139 parameter: [18.39799721 0.72405907 -1.9143496
1 -0.16995394]
Round3126-----squared error: 3.9139 parameter: [18.39799722 0.72401141 -1.9143931
2 -0.16994709]
Round3127-----squared error: 3.9139 parameter: [18.39799724 0.72396379 -1.9144365
9 -0.16994025]
Round3128-----squared error: 3.9139 parameter: [18.39799725 0.72391622 -1.9144800
2 -0.16993341]
Round3129-----squared error: 3.9139 parameter: [18.39799726 0.72386869 -1.9145234
-0.16992658]
Round3130-----squared error: 3.9139 parameter: [18.39799728 0.72382121 -1.9145667
5 -0.16991976]
Round3131-----squared error: 3.9139 parameter: [18.39799729 0.72377377 -1.9146100
5 -0.16991294]
Round3132-----squared error: 3.9139 parameter: [18.3979973 0.72372638 -1.9146533
1 -0.16990612]
Round3133-----squared error: 3.9139 parameter: [18.39799732 0.72367904 -1.9146965
2 -0.16989932]
Round3134-----squared error: 3.9139 parameter: [18.39799733 0.72363174 -1.9147397
-0.16989251]
Round3135-----squared error: 3.9139 parameter: [18.39799734 0.72358449 -1.9147828
3 -0.16988572]
Round3136-----squared error: 3.9139 parameter: [18.39799736 0.72353728 -1.9148259
2 -0.16987893]

Round3137-----squared error: 3.9139 parameter: [18.39799737 0.72349011 -1.9148689
7 -0.16987214]
Round3138-----squared error: 3.9139 parameter: [18.39799738 0.72344299 -1.9149119
8 -0.16986536]
Round3139-----squared error: 3.9139 parameter: [18.3979974 0.72339592 -1.9149549
4 -0.16985859]
Round3140-----squared error: 3.9139 parameter: [18.39799741 0.72334889 -1.9149978
6 -0.16985182]
Round3141-----squared error: 3.9139 parameter: [18.39799742 0.72330191 -1.9150407
5 -0.16984505]
Round3142-----squared error: 3.9139 parameter: [18.39799744 0.72325497 -1.9150835
9 -0.1698383]
Round3143-----squared error: 3.9139 parameter: [18.39799745 0.72320808 -1.9151263
8 -0.16983155]
Round3144-----squared error: 3.9139 parameter: [18.39799746 0.72316123 -1.9151691
4 -0.1698248]
Round3145-----squared error: 3.9139 parameter: [18.39799747 0.72311442 -1.9152118
5 -0.16981806]
Round3146-----squared error: 3.9139 parameter: [18.39799749 0.72306767 -1.9152545
3 -0.16981132]
Round3147-----squared error: 3.9139 parameter: [18.3979975 0.72302095 -1.9152971
6 -0.1698046]
Round3148-----squared error: 3.9139 parameter: [18.39799751 0.72297428 -1.9153397
5 -0.16979787]
Round3149-----squared error: 3.9139 parameter: [18.39799752 0.72292766 -1.9153823
-0.16979115]
Round3150-----squared error: 3.9139 parameter: [18.39799754 0.72288108 -1.9154248
-0.16978444]
Round3151-----squared error: 3.9139 parameter: [18.39799755 0.72283454 -1.9154672
7 -0.16977774]
Round3152-----squared error: 3.9139 parameter: [18.39799756 0.72278805 -1.9155096
9 -0.16977103]
Round3153-----squared error: 3.9139 parameter: [18.39799757 0.7227416 -1.9155520
8 -0.16976434]
Round3154-----squared error: 3.9139 parameter: [18.39799759 0.7226952 -1.9155944
2 -0.16975765]
Round3155-----squared error: 3.9139 parameter: [18.3979976 0.72264884 -1.9156367
2 -0.16975097]
Round3156-----squared error: 3.9139 parameter: [18.39799761 0.72260253 -1.9156789
8 -0.16974429]
Round3157-----squared error: 3.9139 parameter: [18.39799762 0.72255626 -1.9157212
-0.16973761]
Round3158-----squared error: 3.9139 parameter: [18.39799763 0.72251004 -1.9157633
8 -0.16973095]
Round3159-----squared error: 3.9139 parameter: [18.39799765 0.72246386 -1.9158055
1 -0.16972429]
Round3160-----squared error: 3.9139 parameter: [18.39799766 0.72241772 -1.9158476
1 -0.16971763]
Round3161-----squared error: 3.9139 parameter: [18.39799767 0.72237163 -1.9158896
6 -0.16971098]
Round3162-----squared error: 3.9139 parameter: [18.39799768 0.72232558 -1.9159316
7 -0.16970433]
Round3163-----squared error: 3.9139 parameter: [18.39799769 0.72227958 -1.9159736
5 -0.1696977]
Round3164-----squared error: 3.9139 parameter: [18.3979977 0.72223362 -1.9160155
8 -0.16969106]
Round3165-----squared error: 3.9139 parameter: [18.39799772 0.7221877 -1.9160574
7 -0.16968443]
Round3166-----squared error: 3.9139 parameter: [18.39799773 0.72214183 -1.9160993
2 -0.16967781]
Round3167-----squared error: 3.9139 parameter: [18.39799774 0.722096 -1.9161411
3 -0.1696712]
Round3168-----squared error: 3.9139 parameter: [18.39799775 0.72205022 -1.9161829
-0.16966458]

Round3169-----squared error: 3.9139 parameter: [18.39799776 0.72200448 -1.9162246
3 -0.16965798]
Round3170-----squared error: 3.9139 parameter: [18.39799777 0.72195878 -1.9162663
1 -0.16965138]
Round3171-----squared error: 3.9139 parameter: [18.39799778 0.72191313 -1.9163079
6 -0.16964478]
Round3172-----squared error: 3.9139 parameter: [18.39799779 0.72186752 -1.9163495
7 -0.16963819]
Round3173-----squared error: 3.9139 parameter: [18.3979978 0.72182196 -1.9163911
3 -0.16963161]
Round3174-----squared error: 3.9139 parameter: [18.39799782 0.72177643 -1.9164326
6 -0.16962503]
Round3175-----squared error: 3.9139 parameter: [18.39799783 0.72173096 -1.9164741
5 -0.16961846]
Round3176-----squared error: 3.9139 parameter: [18.39799784 0.72168552 -1.9165155
9 -0.16961189]
Round3177-----squared error: 3.9139 parameter: [18.39799785 0.72164013 -1.916557
-0.16960533]
Round3178-----squared error: 3.9139 parameter: [18.39799786 0.72159478 -1.9165983
6 -0.16959878]
Round3179-----squared error: 3.9139 parameter: [18.39799787 0.72154948 -1.9166396
8 -0.16959223]
Round3180-----squared error: 3.9139 parameter: [18.39799788 0.72150422 -1.9166809
7 -0.16958568]
Round3181-----squared error: 3.9139 parameter: [18.39799789 0.721459 -1.9167222
1 -0.16957914]
Round3182-----squared error: 3.9138 parameter: [18.3979979 0.72141383 -1.9167634
2 -0.16957261]
Round3183-----squared error: 3.9138 parameter: [18.39799791 0.7213687 -1.9168045
8 -0.16956608]
Round3184-----squared error: 3.9138 parameter: [18.39799792 0.72132361 -1.9168457
-0.16955956]
Round3185-----squared error: 3.9138 parameter: [18.39799793 0.72127857 -1.9168867
9 -0.16955304]
Round3186-----squared error: 3.9138 parameter: [18.39799794 0.72123357 -1.9169278
3 -0.16954653]
Round3187-----squared error: 3.9138 parameter: [18.39799795 0.72118861 -1.9169688
3 -0.16954003]
Round3188-----squared error: 3.9138 parameter: [18.39799796 0.72114369 -1.9170098
-0.16953353]
Round3189-----squared error: 3.9138 parameter: [18.39799797 0.72109882 -1.9170507
2 -0.16952703]
Round3190-----squared error: 3.9138 parameter: [18.39799798 0.72105399 -1.9170916
1 -0.16952054]
Round3191-----squared error: 3.9138 parameter: [18.39799799 0.72100921 -1.9171324
5 -0.16951406]
Round3192-----squared error: 3.9138 parameter: [18.397998 0.72096446 -1.9171732
6 -0.16950758]
Round3193-----squared error: 3.9138 parameter: [18.39799801 0.72091976 -1.9172140
2 -0.16950111]
Round3194-----squared error: 3.9138 parameter: [18.39799802 0.72087511 -1.9172547
5 -0.16949464]
Round3195-----squared error: 3.9138 parameter: [18.39799803 0.72083049 -1.9172954
3 -0.16948818]
Round3196-----squared error: 3.9138 parameter: [18.39799804 0.72078592 -1.9173360
8 -0.16948172]
Round3197-----squared error: 3.9138 parameter: [18.39799805 0.72074139 -1.9173766
8 -0.16947527]
Round3198-----squared error: 3.9138 parameter: [18.39799806 0.7206969 -1.9174172
5 -0.16946883]
Round3199-----squared error: 3.9138 parameter: [18.39799807 0.72065246 -1.9174577
8 -0.16946239]
Round3200-----squared error: 3.9138 parameter: [18.39799808 0.72060806 -1.9174982
7 -0.16945595]

Round3201-----squared error: 3.9138 parameter: [18.39799809 0.7205637 -1.9175387
2 -0.16944952]
Round3202-----squared error: 3.9138 parameter: [18.3979981 0.72051938 -1.9175791
3 -0.1694431]
Round3203-----squared error: 3.9138 parameter: [18.39799811 0.72047511 -1.9176195
-0.16943668]
Round3204-----squared error: 3.9138 parameter: [18.39799812 0.72043088 -1.9176598
3 -0.16943027]
Round3205-----squared error: 3.9138 parameter: [18.39799813 0.72038669 -1.9177001
2 -0.16942386]
Round3206-----squared error: 3.9138 parameter: [18.39799814 0.72034254 -1.9177403
7 -0.16941746]
Round3207-----squared error: 3.9138 parameter: [18.39799815 0.72029844 -1.9177805
9 -0.16941107]
Round3208-----squared error: 3.9138 parameter: [18.39799816 0.72025438 -1.9178207
6 -0.16940468]
Round3209-----squared error: 3.9138 parameter: [18.39799817 0.72021036 -1.9178609
-0.16939829]
Round3210-----squared error: 3.9138 parameter: [18.39799818 0.72016638 -1.917901
-0.16939191]
Round3211-----squared error: 3.9138 parameter: [18.39799819 0.72012244 -1.9179410
5 -0.16938554]
Round3212-----squared error: 3.9138 parameter: [18.39799819 0.72007855 -1.9179810
7 -0.16937917]
Round3213-----squared error: 3.9138 parameter: [18.3979982 0.7200347 -1.9180210
5 -0.1693728]
Round3214-----squared error: 3.9138 parameter: [18.39799821 0.71999089 -1.9180609
9 -0.16936645]
Round3215-----squared error: 3.9138 parameter: [18.39799822 0.71994712 -1.9181009
-0.16936009]
Round3216-----squared error: 3.9138 parameter: [18.39799823 0.71990339 -1.9181407
6 -0.16935375]
Round3217-----squared error: 3.9138 parameter: [18.39799824 0.71985971 -1.9181805
8 -0.16934741]
Round3218-----squared error: 3.9138 parameter: [18.39799825 0.71981607 -1.9182203
7 -0.16934107]
Round3219-----squared error: 3.9138 parameter: [18.39799826 0.71977247 -1.9182601
2 -0.16933474]
Round3220-----squared error: 3.9138 parameter: [18.39799827 0.71972891 -1.9182998
3 -0.16932841]
Round3221-----squared error: 3.9138 parameter: [18.39799827 0.71968539 -1.9183395
-0.16932209]
Round3222-----squared error: 3.9138 parameter: [18.39799828 0.71964192 -1.9183791
3 -0.16931578]
Round3223-----squared error: 3.9138 parameter: [18.39799829 0.71959848 -1.9184187
2 -0.16930947]
Round3224-----squared error: 3.9138 parameter: [18.3979983 0.71955509 -1.9184582
8 -0.16930317]
Round3225-----squared error: 3.9138 parameter: [18.39799831 0.71951174 -1.9184977
9 -0.16929687]
Round3226-----squared error: 3.9138 parameter: [18.39799832 0.71946843 -1.9185372
7 -0.16929057]
Round3227-----squared error: 3.9138 parameter: [18.39799833 0.71942517 -1.9185767
1 -0.16928429]
Round3228-----squared error: 3.9138 parameter: [18.39799833 0.71938194 -1.9186161
1 -0.169278]
Round3229-----squared error: 3.9138 parameter: [18.39799834 0.71933876 -1.9186554
7 -0.16927173]
Round3230-----squared error: 3.9138 parameter: [18.39799835 0.71929562 -1.9186948
-0.16926546]
Round3231-----squared error: 3.9138 parameter: [18.39799836 0.71925251 -1.9187340
8 -0.16925919]
Round3232-----squared error: 3.9138 parameter: [18.39799837 0.71920945 -1.9187733
3 -0.16925293]

Round3233-----squared error: 3.9138 parameter: [18.39799838 0.71916643 -1.9188125
4 -0.16924668]
Round3234-----squared error: 3.9138 parameter: [18.39799838 0.71912346 -1.9188517
1 -0.16924043]
Round3235-----squared error: 3.9138 parameter: [18.39799839 0.71908052 -1.9188908
5 -0.16923418]
Round3236-----squared error: 3.9138 parameter: [18.3979984 0.71903763 -1.9189299
4 -0.16922794]
Round3237-----squared error: 3.9138 parameter: [18.39799841 0.71899477 -1.918969
-0.16922171]
Round3238-----squared error: 3.9138 parameter: [18.39799842 0.71895196 -1.9190080
2 -0.16921548]
Round3239-----squared error: 3.9138 parameter: [18.39799842 0.71890919 -1.919047
-0.16920926]
Round3240-----squared error: 3.9138 parameter: [18.39799843 0.71886645 -1.9190859
5 -0.16920304]
Round3241-----squared error: 3.9138 parameter: [18.39799844 0.71882376 -1.9191248
5 -0.16919683]
Round3242-----squared error: 3.9138 parameter: [18.39799845 0.71878112 -1.9191637
2 -0.16919062]
Round3243-----squared error: 3.9138 parameter: [18.39799845 0.71873851 -1.9192025
5 -0.16918442]
Round3244-----squared error: 3.9138 parameter: [18.39799846 0.71869594 -1.9192413
5 -0.16917822]
Round3245-----squared error: 3.9138 parameter: [18.39799847 0.71865341 -1.9192801
-0.16917203]
Round3246-----squared error: 3.9138 parameter: [18.39799848 0.71861093 -1.9193188
2 -0.16916584]
Round3247-----squared error: 3.9138 parameter: [18.39799849 0.71856848 -1.9193575
-0.16915966]
Round3248-----squared error: 3.9138 parameter: [18.39799849 0.71852608 -1.9193961
4 -0.16915349]
Round3249-----squared error: 3.9138 parameter: [18.3979985 0.71848371 -1.9194347
5 -0.16914732]
Round3250-----squared error: 3.9138 parameter: [18.39799851 0.71844139 -1.9194733
2 -0.16914116]
Round3251-----squared error: 3.9138 parameter: [18.39799852 0.71839911 -1.9195118
5 -0.169135]
Round3252-----squared error: 3.9138 parameter: [18.39799852 0.71835686 -1.9195503
4 -0.16912884]
Round3253-----squared error: 3.9137 parameter: [18.39799853 0.71831466 -1.9195887
9 -0.16912269]
Round3254-----squared error: 3.9137 parameter: [18.39799854 0.7182725 -1.9196272
1 -0.16911655]
Round3255-----squared error: 3.9137 parameter: [18.39799854 0.71823038 -1.9196655
9 -0.16911041]
Round3256-----squared error: 3.9137 parameter: [18.39799855 0.7181883 -1.9197039
4 -0.16910428]
Round3257-----squared error: 3.9137 parameter: [18.39799856 0.71814626 -1.9197422
4 -0.16909815]
Round3258-----squared error: 3.9137 parameter: [18.39799857 0.71810426 -1.9197805
1 -0.16909203]
Round3259-----squared error: 3.9137 parameter: [18.39799857 0.7180623 -1.9198187
4 -0.16908591]
Round3260-----squared error: 3.9137 parameter: [18.39799858 0.71802038 -1.9198569
4 -0.1690798]
Round3261-----squared error: 3.9137 parameter: [18.39799859 0.7179785 -1.9198950
9 -0.1690737]
Round3262-----squared error: 3.9137 parameter: [18.39799859 0.71793666 -1.9199332
2 -0.1690676]
Round3263-----squared error: 3.9137 parameter: [18.3979986 0.71789486 -1.9199713
-0.1690615]
Round3264-----squared error: 3.9137 parameter: [18.39799861 0.7178531 -1.9200093
5 -0.16905541]

Round3265-----squared error: 3.9137 parameter: [18.39799862 0.71781138 -1.9200473
5 -0.16904933]
Round3266-----squared error: 3.9137 parameter: [18.39799862 0.71776971 -1.9200853
3 -0.16904325]
Round3267-----squared error: 3.9137 parameter: [18.39799863 0.71772807 -1.9201232
6 -0.16903717]
Round3268-----squared error: 3.9137 parameter: [18.39799864 0.71768647 -1.9201611
6 -0.1690311]
Round3269-----squared error: 3.9137 parameter: [18.39799864 0.71764491 -1.9201990
2 -0.16902504]
Round3270-----squared error: 3.9137 parameter: [18.39799865 0.71760339 -1.9202368
5 -0.16901898]
Round3271-----squared error: 3.9137 parameter: [18.39799866 0.71756191 -1.9202746
4 -0.16901293]
Round3272-----squared error: 3.9137 parameter: [18.39799866 0.71752047 -1.9203123
9 -0.16900688]
Round3273-----squared error: 3.9137 parameter: [18.39799867 0.71747907 -1.9203501
1 -0.16900084]
Round3274-----squared error: 3.9137 parameter: [18.39799868 0.71743771 -1.9203877
8 -0.1689948]
Round3275-----squared error: 3.9137 parameter: [18.39799868 0.71739639 -1.9204254
3 -0.16898877]
Round3276-----squared error: 3.9137 parameter: [18.39799869 0.71735511 -1.9204630
3 -0.16898274]
Round3277-----squared error: 3.9137 parameter: [18.3979987 0.71731386 -1.9205006
-0.16897672]
Round3278-----squared error: 3.9137 parameter: [18.3979987 0.71727266 -1.9205381
3 -0.1689707]
Round3279-----squared error: 3.9137 parameter: [18.39799871 0.7172315 -1.9205756
3 -0.16896469]
Round3280-----squared error: 3.9137 parameter: [18.39799872 0.71719038 -1.9206130
9 -0.16895868]
Round3281-----squared error: 3.9137 parameter: [18.39799872 0.71714929 -1.9206505
1 -0.16895268]
Round3282-----squared error: 3.9137 parameter: [18.39799873 0.71710825 -1.9206879
-0.16894668]
Round3283-----squared error: 3.9137 parameter: [18.39799874 0.71706724 -1.9207252
5 -0.16894069]
Round3284-----squared error: 3.9137 parameter: [18.39799874 0.71702628 -1.9207625
7 -0.16893471]
Round3285-----squared error: 3.9137 parameter: [18.39799875 0.71698535 -1.9207998
4 -0.16892873]
Round3286-----squared error: 3.9137 parameter: [18.39799875 0.71694446 -1.9208370
9 -0.16892275]
Round3287-----squared error: 3.9137 parameter: [18.39799876 0.71690362 -1.9208742
9 -0.16891678]
Round3288-----squared error: 3.9137 parameter: [18.39799877 0.71686281 -1.9209114
6 -0.16891082]
Round3289-----squared error: 3.9137 parameter: [18.39799877 0.71682204 -1.9209486
-0.16890486]
Round3290-----squared error: 3.9137 parameter: [18.39799878 0.71678131 -1.9209856
9 -0.1688989]
Round3291-----squared error: 3.9137 parameter: [18.39799878 0.71674062 -1.9210227
5 -0.16889295]
Round3292-----squared error: 3.9137 parameter: [18.39799879 0.71669996 -1.9210597
8 -0.16888701]
Round3293-----squared error: 3.9137 parameter: [18.3979988 0.71665935 -1.9210967
7 -0.16888107]
Round3294-----squared error: 3.9137 parameter: [18.3979988 0.71661878 -1.9211337
2 -0.16887514]
Round3295-----squared error: 3.9137 parameter: [18.39799881 0.71657824 -1.9211706
4 -0.16886921]
Round3296-----squared error: 3.9137 parameter: [18.39799882 0.71653774 -1.9212075
2 -0.16886329]

Round3297-----squared error: 3.9137 parameter: [18.39799882 0.71649728 -1.9212443
7 -0.16885737]
Round3298-----squared error: 3.9137 parameter: [18.39799883 0.71645687 -1.9212811
8 -0.16885146]
Round3299-----squared error: 3.9137 parameter: [18.39799883 0.71641649 -1.9213179
6 -0.16884555]
Round3300-----squared error: 3.9137 parameter: [18.39799884 0.71637614 -1.9213547
-0.16883964]
Round3301-----squared error: 3.9137 parameter: [18.39799884 0.71633584 -1.9213914
-0.16883375]
Round3302-----squared error: 3.9137 parameter: [18.39799885 0.71629558 -1.9214280
7 -0.16882785]
Round3303-----squared error: 3.9137 parameter: [18.39799886 0.71625535 -1.9214647
-0.16882197]
Round3304-----squared error: 3.9137 parameter: [18.39799886 0.71621516 -1.9215013
-0.16881609]
Round3305-----squared error: 3.9137 parameter: [18.39799887 0.71617501 -1.9215378
6 -0.16881021]
Round3306-----squared error: 3.9137 parameter: [18.39799887 0.7161349 -1.9215743
8 -0.16880434]
Round3307-----squared error: 3.9137 parameter: [18.39799888 0.71609483 -1.9216108
7 -0.16879847]
Round3308-----squared error: 3.9137 parameter: [18.39799888 0.7160548 -1.9216473
3 -0.16879261]
Round3309-----squared error: 3.9137 parameter: [18.39799889 0.7160148 -1.9216837
5 -0.16878675]
Round3310-----squared error: 3.9137 parameter: [18.3979989 0.71597485 -1.9217201
3 -0.1687809]
Round3311-----squared error: 3.9137 parameter: [18.3979989 0.71593493 -1.9217564
8 -0.16877505]
Round3312-----squared error: 3.9137 parameter: [18.39799891 0.71589505 -1.9217927
9 -0.16876921]
Round3313-----squared error: 3.9137 parameter: [18.39799891 0.71585521 -1.9218290
7 -0.16876338]
Round3314-----squared error: 3.9137 parameter: [18.39799892 0.7158154 -1.9218653
2 -0.16875755]
Round3315-----squared error: 3.9137 parameter: [18.39799892 0.71577564 -1.9219015
2 -0.16875172]
Round3316-----squared error: 3.9137 parameter: [18.39799893 0.71573591 -1.9219377
-0.1687459]
Round3317-----squared error: 3.9137 parameter: [18.39799893 0.71569622 -1.9219738
4 -0.16874008]
Round3318-----squared error: 3.9137 parameter: [18.39799894 0.71565657 -1.9220099
4 -0.16873427]
Round3319-----squared error: 3.9137 parameter: [18.39799894 0.71561696 -1.9220460
1 -0.16872847]
Round3320-----squared error: 3.9137 parameter: [18.39799895 0.71557738 -1.9220820
4 -0.16872267]
Round3321-----squared error: 3.9137 parameter: [18.39799895 0.71553785 -1.9221180
4 -0.16871687]
Round3322-----squared error: 3.9137 parameter: [18.39799896 0.71549835 -1.922154
-0.16871108]
Round3323-----squared error: 3.9137 parameter: [18.39799897 0.71545888 -1.9221899
3 -0.1687053]
Round3324-----squared error: 3.9137 parameter: [18.39799897 0.71541946 -1.9222258
2 -0.16869952]
Round3325-----squared error: 3.9137 parameter: [18.39799898 0.71538008 -1.9222616
8 -0.16869374]
Round3326-----squared error: 3.9137 parameter: [18.39799898 0.71534073 -1.9222975
-0.16868797]
Round3327-----squared error: 3.9137 parameter: [18.39799899 0.71530142 -1.9223332
9 -0.16868221]
Round3328-----squared error: 3.9137 parameter: [18.39799899 0.71526215 -1.9223690
5 -0.16867645]

Round3329-----squared error: 3.9137 parameter: [18.397999 0.71522291 -1.9224047
6 -0.16867069]
Round3330-----squared error: 3.9137 parameter: [18.397999 0.71518371 -1.9224404
5 -0.16866494]
Round3331-----squared error: 3.9137 parameter: [18.39799901 0.71514455 -1.9224761
-0.1686592]
Round3332-----squared error: 3.9137 parameter: [18.39799901 0.71510543 -1.9225117
2 -0.16865346]
Round3333-----squared error: 3.9137 parameter: [18.39799902 0.71506635 -1.9225473
-0.16864772]
Round3334-----squared error: 3.9137 parameter: [18.39799902 0.7150273 -1.9225828
4 -0.16864199]
Round3335-----squared error: 3.9136 parameter: [18.39799903 0.71498829 -1.9226183
5 -0.16863627]
Round3336-----squared error: 3.9136 parameter: [18.39799903 0.71494932 -1.9226538
3 -0.16863055]
Round3337-----squared error: 3.9136 parameter: [18.39799904 0.71491038 -1.9226892
8 -0.16862484]
Round3338-----squared error: 3.9136 parameter: [18.39799904 0.71487149 -1.9227246
8 -0.16861913]
Round3339-----squared error: 3.9136 parameter: [18.39799904 0.71483263 -1.9227600
6 -0.16861342]
Round3340-----squared error: 3.9136 parameter: [18.39799905 0.7147938 -1.9227954
-0.16860772]
Round3341-----squared error: 3.9136 parameter: [18.39799905 0.71475502 -1.9228307
-0.16860203]
Round3342-----squared error: 3.9136 parameter: [18.39799906 0.71471627 -1.9228659
8 -0.16859634]
Round3343-----squared error: 3.9136 parameter: [18.39799906 0.71467756 -1.9229012
1 -0.16859065]
Round3344-----squared error: 3.9136 parameter: [18.39799907 0.71463888 -1.9229364
2 -0.16858498]
Round3345-----squared error: 3.9136 parameter: [18.39799907 0.71460025 -1.9229715
9 -0.1685793]
Round3346-----squared error: 3.9136 parameter: [18.39799908 0.71456165 -1.9230067
2 -0.16857363]
Round3347-----squared error: 3.9136 parameter: [18.39799908 0.71452308 -1.9230418
2 -0.16856797]
Round3348-----squared error: 3.9136 parameter: [18.39799909 0.71448456 -1.9230768
9 -0.16856231]
Round3349-----squared error: 3.9136 parameter: [18.39799909 0.71444607 -1.9231119
2 -0.16855665]
Round3350-----squared error: 3.9136 parameter: [18.3979991 0.71440762 -1.9231469
2 -0.168551]
Round3351-----squared error: 3.9136 parameter: [18.3979991 0.7143692 -1.9231818
8 -0.16854536]
Round3352-----squared error: 3.9136 parameter: [18.39799911 0.71433082 -1.9232168
2 -0.16853972]
Round3353-----squared error: 3.9136 parameter: [18.39799911 0.71429248 -1.9232517
1 -0.16853409]
Round3354-----squared error: 3.9136 parameter: [18.39799911 0.71425418 -1.9232865
8 -0.16852846]
Round3355-----squared error: 3.9136 parameter: [18.39799912 0.71421591 -1.9233214
1 -0.16852283]
Round3356-----squared error: 3.9136 parameter: [18.39799912 0.71417768 -1.9233562
-0.16851721]
Round3357-----squared error: 3.9136 parameter: [18.39799913 0.71413948 -1.9233909
6 -0.1685116]
Round3358-----squared error: 3.9136 parameter: [18.39799913 0.71410132 -1.9234256
9 -0.16850599]
Round3359-----squared error: 3.9136 parameter: [18.39799914 0.7140632 -1.9234603
9 -0.16850038]
Round3360-----squared error: 3.9136 parameter: [18.39799914 0.71402512 -1.9234950
5 -0.16849478]

Round3361-----squared error: 3.9136 parameter: [18.39799914 0.71398707 -1.9235296
7 -0.16848919]
Round3362-----squared error: 3.9136 parameter: [18.39799915 0.71394906 -1.9235642
7 -0.1684836]
Round3363-----squared error: 3.9136 parameter: [18.39799915 0.71391108 -1.9235988
3 -0.16847801]
Round3364-----squared error: 3.9136 parameter: [18.39799916 0.71387314 -1.9236333
6 -0.16847243]
Round3365-----squared error: 3.9136 parameter: [18.39799916 0.71383524 -1.9236678
5 -0.16846686]
Round3366-----squared error: 3.9136 parameter: [18.39799917 0.71379737 -1.9237023
1 -0.16846129]
Round3367-----squared error: 3.9136 parameter: [18.39799917 0.71375954 -1.9237367
3 -0.16845572]
Round3368-----squared error: 3.9136 parameter: [18.39799917 0.71372175 -1.9237711
3 -0.16845016]
Round3369-----squared error: 3.9136 parameter: [18.39799918 0.71368399 -1.9238054
9 -0.16844461]
Round3370-----squared error: 3.9136 parameter: [18.39799918 0.71364627 -1.9238398
1 -0.16843906]
Round3371-----squared error: 3.9136 parameter: [18.39799919 0.71360859 -1.9238741
1 -0.16843351]
Round3372-----squared error: 3.9136 parameter: [18.39799919 0.71357094 -1.9239083
7 -0.16842797]
Round3373-----squared error: 3.9136 parameter: [18.39799919 0.71353333 -1.9239425
9 -0.16842243]
Round3374-----squared error: 3.9136 parameter: [18.3979992 0.71349575 -1.9239767
9 -0.1684169]
Round3375-----squared error: 3.9136 parameter: [18.3979992 0.71345821 -1.9240109
5 -0.16841138]
Round3376-----squared error: 3.9136 parameter: [18.39799921 0.71342071 -1.9240450
7 -0.16840586]
Round3377-----squared error: 3.9136 parameter: [18.39799921 0.71338324 -1.9240791
7 -0.16840034]
Round3378-----squared error: 3.9136 parameter: [18.39799921 0.7133458 -1.9241132
3 -0.16839483]
Round3379-----squared error: 3.9136 parameter: [18.39799922 0.71330841 -1.9241472
6 -0.16838932]
Round3380-----squared error: 3.9136 parameter: [18.39799922 0.71327105 -1.9241812
5 -0.16838382]
Round3381-----squared error: 3.9136 parameter: [18.39799923 0.71323372 -1.9242152
1 -0.16837832]
Round3382-----squared error: 3.9136 parameter: [18.39799923 0.71319643 -1.9242491
4 -0.16837283]
Round3383-----squared error: 3.9136 parameter: [18.39799923 0.71315918 -1.9242830
4 -0.16836734]
Round3384-----squared error: 3.9136 parameter: [18.39799924 0.71312196 -1.9243169
-0.16836186]
Round3385-----squared error: 3.9136 parameter: [18.39799924 0.71308478 -1.9243507
3 -0.16835638]
Round3386-----squared error: 3.9136 parameter: [18.39799925 0.71304763 -1.9243845
3 -0.16835091]
Round3387-----squared error: 3.9136 parameter: [18.39799925 0.71301052 -1.9244183
-0.16834544]
Round3388-----squared error: 3.9136 parameter: [18.39799925 0.71297345 -1.9244520
3 -0.16833998]
Round3389-----squared error: 3.9136 parameter: [18.39799926 0.71293641 -1.9244857
3 -0.16833452]
Round3390-----squared error: 3.9136 parameter: [18.39799926 0.71289941 -1.9245193
9 -0.16832907]
Round3391-----squared error: 3.9136 parameter: [18.39799926 0.71286244 -1.9245530
3 -0.16832362]
Round3392-----squared error: 3.9136 parameter: [18.39799927 0.7128255 -1.9245866
3 -0.16831818]

Round3393-----squared error: 3.9136 parameter: [18.39799927 0.71278861 -1.9246202
-0.16831274]
Round3394-----squared error: 3.9136 parameter: [18.39799927 0.71275174 -1.9246537
4 -0.16830731]
Round3395-----squared error: 3.9136 parameter: [18.39799928 0.71271492 -1.9246872
4 -0.16830188]
Round3396-----squared error: 3.9136 parameter: [18.39799928 0.71267813 -1.9247207
1 -0.16829645]
Round3397-----squared error: 3.9136 parameter: [18.39799929 0.71264137 -1.9247541
5 -0.16829103]
Round3398-----squared error: 3.9136 parameter: [18.39799929 0.71260465 -1.9247875
6 -0.16828562]
Round3399-----squared error: 3.9136 parameter: [18.39799929 0.71256796 -1.9248209
3 -0.16828021]
Round3400-----squared error: 3.9136 parameter: [18.3979993 0.71253131 -1.9248542
7 -0.16827481]
Round3401-----squared error: 3.9136 parameter: [18.3979993 0.7124947 -1.9248875
8 -0.16826941]
Round3402-----squared error: 3.9136 parameter: [18.3979993 0.71245812 -1.9249208
6 -0.16826401]
Round3403-----squared error: 3.9136 parameter: [18.39799931 0.71242157 -1.9249541
1 -0.16825862]
Round3404-----squared error: 3.9136 parameter: [18.39799931 0.71238506 -1.9249873
2 -0.16825323]
Round3405-----squared error: 3.9136 parameter: [18.39799931 0.71234859 -1.9250205
-0.16824785]
Round3406-----squared error: 3.9136 parameter: [18.39799932 0.71231215 -1.9250536
5 -0.16824248]
Round3407-----squared error: 3.9136 parameter: [18.39799932 0.71227574 -1.9250867
7 -0.16823711]
Round3408-----squared error: 3.9136 parameter: [18.39799932 0.71223937 -1.9251198
5 -0.16823174]
Round3409-----squared error: 3.9136 parameter: [18.39799933 0.71220304 -1.9251529
-0.16822638]
Round3410-----squared error: 3.9136 parameter: [18.39799933 0.71216674 -1.9251859
2 -0.16822102]
Round3411-----squared error: 3.9136 parameter: [18.39799933 0.71213047 -1.9252189
1 -0.16821567]
Round3412-----squared error: 3.9136 parameter: [18.39799934 0.71209424 -1.9252518
7 -0.16821032]
Round3413-----squared error: 3.9136 parameter: [18.39799934 0.71205805 -1.9252847
9 -0.16820498]
Round3414-----squared error: 3.9136 parameter: [18.39799934 0.71202189 -1.9253176
8 -0.16819964]
Round3415-----squared error: 3.9136 parameter: [18.39799935 0.71198576 -1.9253505
5 -0.16819431]
Round3416-----squared error: 3.9136 parameter: [18.39799935 0.71194967 -1.9253833
7 -0.16818898]
Round3417-----squared error: 3.9136 parameter: [18.39799935 0.71191361 -1.9254161
7 -0.16818366]
Round3418-----squared error: 3.9136 parameter: [18.39799936 0.71187759 -1.9254489
4 -0.16817834]
Round3419-----squared error: 3.9136 parameter: [18.39799936 0.7118416 -1.9254816
7 -0.16817302]
Round3420-----squared error: 3.9136 parameter: [18.39799936 0.71180565 -1.9255143
7 -0.16816771]
Round3421-----squared error: 3.9136 parameter: [18.39799937 0.71176973 -1.9255470
4 -0.16816241]
Round3422-----squared error: 3.9136 parameter: [18.39799937 0.71173385 -1.9255796
8 -0.16815711]
Round3423-----squared error: 3.9136 parameter: [18.39799937 0.711698 -1.9256122
9 -0.16815181]
Round3424-----squared error: 3.9136 parameter: [18.39799938 0.71166218 -1.9256448
6 -0.16814652]

Round3425-----squared error: 3.9136 parameter: [18.39799938 0.7116264 -1.9256774
1 -0.16814124]
Round3426-----squared error: 3.9136 parameter: [18.39799938 0.71159065 -1.9257099
2 -0.16813596]
Round3427-----squared error: 3.9136 parameter: [18.39799939 0.71155494 -1.9257424
-0.16813068]
Round3428-----squared error: 3.9136 parameter: [18.39799939 0.71151926 -1.9257748
5 -0.16812541]
Round3429-----squared error: 3.9136 parameter: [18.39799939 0.71148362 -1.9258072
7 -0.16812014]
Round3430-----squared error: 3.9136 parameter: [18.39799939 0.71144801 -1.9258396
5 -0.16811488]
Round3431-----squared error: 3.9136 parameter: [18.3979994 0.71141243 -1.9258720
1 -0.16810962]
Round3432-----squared error: 3.9135 parameter: [18.3979994 0.71137689 -1.9259043
3 -0.16810437]
Round3433-----squared error: 3.9135 parameter: [18.3979994 0.71134138 -1.9259366
2 -0.16809912]
Round3434-----squared error: 3.9135 parameter: [18.39799941 0.71130591 -1.9259688
8 -0.16809388]
Round3435-----squared error: 3.9135 parameter: [18.39799941 0.71127047 -1.9260011
1 -0.16808864]
Round3436-----squared error: 3.9135 parameter: [18.39799941 0.71123507 -1.9260333
1 -0.16808341]
Round3437-----squared error: 3.9135 parameter: [18.39799942 0.7111997 -1.9260654
8 -0.16807818]
Round3438-----squared error: 3.9135 parameter: [18.39799942 0.71116436 -1.9260976
2 -0.16807295]
Round3439-----squared error: 3.9135 parameter: [18.39799942 0.71112906 -1.9261297
2 -0.16806773]
Round3440-----squared error: 3.9135 parameter: [18.39799942 0.71109379 -1.9261617
9 -0.16806252]
Round3441-----squared error: 3.9135 parameter: [18.39799943 0.71105855 -1.9261938
4 -0.16805731]
Round3442-----squared error: 3.9135 parameter: [18.39799943 0.71102335 -1.9262258
5 -0.1680521]
Round3443-----squared error: 3.9135 parameter: [18.39799943 0.71098818 -1.9262578
3 -0.1680469]
Round3444-----squared error: 3.9135 parameter: [18.39799944 0.71095305 -1.9262897
8 -0.1680417]
Round3445-----squared error: 3.9135 parameter: [18.39799944 0.71091795 -1.9263217
-0.16803651]
Round3446-----squared error: 3.9135 parameter: [18.39799944 0.71088288 -1.9263535
9 -0.16803132]
Round3447-----squared error: 3.9135 parameter: [18.39799944 0.71084785 -1.9263854
4 -0.16802614]
Round3448-----squared error: 3.9135 parameter: [18.39799945 0.71081285 -1.9264172
7 -0.16802096]
Round3449-----squared error: 3.9135 parameter: [18.39799945 0.71077788 -1.9264490
6 -0.16801579]
Round3450-----squared error: 3.9135 parameter: [18.39799945 0.71074295 -1.9264808
3 -0.16801062]
Round3451-----squared error: 3.9135 parameter: [18.39799946 0.71070805 -1.9265125
6 -0.16800546]
Round3452-----squared error: 3.9135 parameter: [18.39799946 0.71067318 -1.9265442
7 -0.1680003]
Round3453-----squared error: 3.9135 parameter: [18.39799946 0.71063835 -1.9265759
4 -0.16799514]
Round3454-----squared error: 3.9135 parameter: [18.39799946 0.71060355 -1.9266075
8 -0.16798999]
Round3455-----squared error: 3.9135 parameter: [18.39799947 0.71056879 -1.9266391
9 -0.16798484]
Round3456-----squared error: 3.9135 parameter: [18.39799947 0.71053406 -1.9266707
7 -0.1679797]

Round3457-----squared error: 3.9135 parameter: [18.39799947 0.71049936 -1.9267023
2 -0.16797457]
Round3458-----squared error: 3.9135 parameter: [18.39799947 0.71046469 -1.9267338
4 -0.16796944]
Round3459-----squared error: 3.9135 parameter: [18.39799948 0.71043006 -1.9267653
3 -0.16796431]
Round3460-----squared error: 3.9135 parameter: [18.39799948 0.71039546 -1.9267967
9 -0.16795919]
Round3461-----squared error: 3.9135 parameter: [18.39799948 0.7103609 -1.9268282
2 -0.16795407]
Round3462-----squared error: 3.9135 parameter: [18.39799948 0.71032637 -1.9268596
1 -0.16794895]
Round3463-----squared error: 3.9135 parameter: [18.39799949 0.71029187 -1.9268909
8 -0.16794385]
Round3464-----squared error: 3.9135 parameter: [18.39799949 0.7102574 -1.9269223
2 -0.16793874]
Round3465-----squared error: 3.9135 parameter: [18.39799949 0.71022297 -1.9269536
2 -0.16793364]
Round3466-----squared error: 3.9135 parameter: [18.39799949 0.71018857 -1.9269849
-0.16792855]
Round3467-----squared error: 3.9135 parameter: [18.3979995 0.7101542 -1.9270161
5 -0.16792346]
Round3468-----squared error: 3.9135 parameter: [18.3979995 0.71011987 -1.9270473
6 -0.16791837]
Round3469-----squared error: 3.9135 parameter: [18.3979995 0.71008557 -1.9270785
5 -0.16791329]
Round3470-----squared error: 3.9135 parameter: [18.3979995 0.7100513 -1.9271097
-0.16790821]
Round3471-----squared error: 3.9135 parameter: [18.39799951 0.71001707 -1.9271408
3 -0.16790314]
Round3472-----squared error: 3.9135 parameter: [18.39799951 0.70998286 -1.9271719
2 -0.16789807]
Round3473-----squared error: 3.9135 parameter: [18.39799951 0.70994869 -1.9272029
8 -0.16789301]
Round3474-----squared error: 3.9135 parameter: [18.39799951 0.70991456 -1.9272340
2 -0.16788795]
Round3475-----squared error: 3.9135 parameter: [18.39799952 0.70988045 -1.9272650
2 -0.1678829]
Round3476-----squared error: 3.9135 parameter: [18.39799952 0.70984638 -1.927296
-0.16787785]
Round3477-----squared error: 3.9135 parameter: [18.39799952 0.70981235 -1.9273269
4 -0.1678728]
Round3478-----squared error: 3.9135 parameter: [18.39799952 0.70977834 -1.9273578
6 -0.16786776]
Round3479-----squared error: 3.9135 parameter: [18.39799953 0.70974437 -1.9273887
4 -0.16786273]
Round3480-----squared error: 3.9135 parameter: [18.39799953 0.70971043 -1.9274196
-0.16785769]
Round3481-----squared error: 3.9135 parameter: [18.39799953 0.70967652 -1.9274504
2 -0.16785267]
Round3482-----squared error: 3.9135 parameter: [18.39799953 0.70964264 -1.9274812
2 -0.16784764]
Round3483-----squared error: 3.9135 parameter: [18.39799954 0.7096088 -1.9275119
8 -0.16784263]
Round3484-----squared error: 3.9135 parameter: [18.39799954 0.70957499 -1.9275427
2 -0.16783761]
Round3485-----squared error: 3.9135 parameter: [18.39799954 0.70954121 -1.9275734
2 -0.16783261]
Round3486-----squared error: 3.9135 parameter: [18.39799954 0.70950747 -1.9276041
-0.1678276]
Round3487-----squared error: 3.9135 parameter: [18.39799955 0.70947376 -1.9276347
4 -0.1678226]
Round3488-----squared error: 3.9135 parameter: [18.39799955 0.70944008 -1.9276653
6 -0.16781761]

Round3489-----squared error: 3.9135 parameter: [18.39799955 0.70940643 -1.9276959
5 -0.16781262]
Round3490-----squared error: 3.9135 parameter: [18.39799955 0.70937281 -1.9277265
-0.16780763]
Round3491-----squared error: 3.9135 parameter: [18.39799955 0.70933923 -1.9277570
3 -0.16780265]
Round3492-----squared error: 3.9135 parameter: [18.39799956 0.70930568 -1.9277875
3 -0.16779767]
Round3493-----squared error: 3.9135 parameter: [18.39799956 0.70927216 -1.927818
-0.1677927]
Round3494-----squared error: 3.9135 parameter: [18.39799956 0.70923867 -1.9278484
4 -0.16778773]
Round3495-----squared error: 3.9135 parameter: [18.39799956 0.70920522 -1.9278788
5 -0.16778277]
Round3496-----squared error: 3.9135 parameter: [18.39799957 0.70917179 -1.9279092
3 -0.16777781]
Round3497-----squared error: 3.9135 parameter: [18.39799957 0.7091384 -1.9279395
8 -0.16777285]
Round3498-----squared error: 3.9135 parameter: [18.39799957 0.70910505 -1.9279699
-0.1677679]
Round3499-----squared error: 3.9135 parameter: [18.39799957 0.70907172 -1.9280001
9 -0.16776296]
Round3500-----squared error: 3.9135 parameter: [18.39799957 0.70903842 -1.9280304
5 -0.16775801]
Round3501-----squared error: 3.9135 parameter: [18.39799958 0.70900516 -1.9280606
9 -0.16775308]
Round3502-----squared error: 3.9135 parameter: [18.39799958 0.70897193 -1.9280908
9 -0.16774814]
Round3503-----squared error: 3.9135 parameter: [18.39799958 0.70893873 -1.9281210
7 -0.16774322]
Round3504-----squared error: 3.9135 parameter: [18.39799958 0.70890557 -1.9281512
1 -0.16773829]
Round3505-----squared error: 3.9135 parameter: [18.39799958 0.70887243 -1.9281813
3 -0.16773337]
Round3506-----squared error: 3.9135 parameter: [18.39799959 0.70883933 -1.9282114
2 -0.16772846]
Round3507-----squared error: 3.9135 parameter: [18.39799959 0.70880626 -1.9282414
7 -0.16772355]
Round3508-----squared error: 3.9135 parameter: [18.39799959 0.70877322 -1.9282715
-0.16771864]
Round3509-----squared error: 3.9135 parameter: [18.39799959 0.70874021 -1.9283015
-0.16771374]
Round3510-----squared error: 3.9135 parameter: [18.39799959 0.70870723 -1.9283314
7 -0.16770884]
Round3511-----squared error: 3.9135 parameter: [18.3979996 0.70867429 -1.9283614
2 -0.16770395]
Round3512-----squared error: 3.9135 parameter: [18.3979996 0.70864138 -1.9283913
3 -0.16769906]
Round3513-----squared error: 3.9135 parameter: [18.3979996 0.7086085 -1.9284212
1 -0.16769418]
Round3514-----squared error: 3.9135 parameter: [18.3979996 0.70857565 -1.9284510
7 -0.1676893]
Round3515-----squared error: 3.9135 parameter: [18.3979996 0.70854283 -1.9284808
9 -0.16768443]
Round3516-----squared error: 3.9135 parameter: [18.39799961 0.70851004 -1.9285106
9 -0.16767956]
Round3517-----squared error: 3.9135 parameter: [18.39799961 0.70847729 -1.9285404
6 -0.16767469]
Round3518-----squared error: 3.9135 parameter: [18.39799961 0.70844456 -1.9285702
-0.16766983]
Round3519-----squared error: 3.9135 parameter: [18.39799961 0.70841187 -1.9285999
1 -0.16766497]
Round3520-----squared error: 3.9135 parameter: [18.39799961 0.70837921 -1.9286295
9 -0.16766012]

Round3521-----squared error: 3.9135 parameter: [18.39799962 0.70834658 -1.9286592
5 -0.16765527]
Round3522-----squared error: 3.9135 parameter: [18.39799962 0.70831398 -1.9286888
7 -0.16765043]
Round3523-----squared error: 3.9135 parameter: [18.39799962 0.70828142 -1.9287184
7 -0.16764559]
Round3524-----squared error: 3.9135 parameter: [18.39799962 0.70824888 -1.9287480
3 -0.16764075]
Round3525-----squared error: 3.9135 parameter: [18.39799962 0.70821638 -1.9287775
7 -0.16763592]
Round3526-----squared error: 3.9135 parameter: [18.39799963 0.7081839 -1.9288070
8 -0.16763109]
Round3527-----squared error: 3.9135 parameter: [18.39799963 0.70815146 -1.9288365
7 -0.16762627]
Round3528-----squared error: 3.9135 parameter: [18.39799963 0.70811905 -1.9288660
2 -0.16762145]
Round3529-----squared error: 3.9135 parameter: [18.39799963 0.70808667 -1.9288954
4 -0.16761664]
Round3530-----squared error: 3.9135 parameter: [18.39799963 0.70805432 -1.9289248
4 -0.16761183]
Round3531-----squared error: 3.9135 parameter: [18.39799964 0.70802201 -1.9289542
1 -0.16760703]
Round3532-----squared error: 3.9135 parameter: [18.39799964 0.70798972 -1.9289835
5 -0.16760222]
Round3533-----squared error: 3.9135 parameter: [18.39799964 0.70795746 -1.9290128
6 -0.16759743]
Round3534-----squared error: 3.9135 parameter: [18.39799964 0.70792524 -1.9290421
4 -0.16759264]
Round3535-----squared error: 3.9135 parameter: [18.39799964 0.70789305 -1.9290713
9 -0.16758785]
Round3536-----squared error: 3.9135 parameter: [18.39799964 0.70786088 -1.9291006
2 -0.16758307]
Round3537-----squared error: 3.9135 parameter: [18.39799965 0.70782875 -1.9291298
2 -0.16757829]
Round3538-----squared error: 3.9135 parameter: [18.39799965 0.70779665 -1.9291589
9 -0.16757351]
Round3539-----squared error: 3.9135 parameter: [18.39799965 0.70776458 -1.9291881
3 -0.16756874]
Round3540-----squared error: 3.9135 parameter: [18.39799965 0.70773254 -1.9292172
4 -0.16756398]
Round3541-----squared error: 3.9135 parameter: [18.39799965 0.70770053 -1.9292463
3 -0.16755922]
Round3542-----squared error: 3.9135 parameter: [18.39799965 0.70766856 -1.9292753
8 -0.16755446]
Round3543-----squared error: 3.9135 parameter: [18.39799966 0.70763661 -1.9293044
1 -0.16754971]
Round3544-----squared error: 3.9135 parameter: [18.39799966 0.70760469 -1.9293334
1 -0.16754496]
Round3545-----squared error: 3.9135 parameter: [18.39799966 0.70757281 -1.9293623
8 -0.16754021]
Round3546-----squared error: 3.9135 parameter: [18.39799966 0.70754095 -1.9293913
3 -0.16753548]
Round3547-----squared error: 3.9135 parameter: [18.39799966 0.70750913 -1.9294202
4 -0.16753074]
Round3548-----squared error: 3.9135 parameter: [18.39799966 0.70747733 -1.9294491
3 -0.16752601]
Round3549-----squared error: 3.9135 parameter: [18.39799967 0.70744557 -1.9294779
9 -0.16752128]
Round3550-----squared error: 3.9135 parameter: [18.39799967 0.70741384 -1.9295068
2 -0.16751656]
Round3551-----squared error: 3.9135 parameter: [18.39799967 0.70738213 -1.9295356
3 -0.16751184]
Round3552-----squared error: 3.9134 parameter: [18.39799967 0.70735046 -1.9295644
1 -0.16750713]

Round3553-----squared error: 3.9134 parameter: [18.39799967 0.70731882 -1.9295931
5 -0.16750242]
Round3554-----squared error: 3.9134 parameter: [18.39799967 0.70728721 -1.9296218
8 -0.16749771]
Round3555-----squared error: 3.9134 parameter: [18.39799968 0.70725563 -1.9296505
7 -0.16749301]
Round3556-----squared error: 3.9134 parameter: [18.39799968 0.70722408 -1.9296792
3 -0.16748831]
Round3557-----squared error: 3.9134 parameter: [18.39799968 0.70719256 -1.9297078
7 -0.16748362]
Round3558-----squared error: 3.9134 parameter: [18.39799968 0.70716107 -1.9297364
8 -0.16747893]
Round3559-----squared error: 3.9134 parameter: [18.39799968 0.70712961 -1.9297650
6 -0.16747425]
Round3560-----squared error: 3.9134 parameter: [18.39799968 0.70709818 -1.9297936
2 -0.16746957]
Round3561-----squared error: 3.9134 parameter: [18.39799969 0.70706678 -1.9298221
5 -0.16746489]
Round3562-----squared error: 3.9134 parameter: [18.39799969 0.70703541 -1.9298506
5 -0.16746022]
Round3563-----squared error: 3.9134 parameter: [18.39799969 0.70700407 -1.9298791
2 -0.16745555]
Round3564-----squared error: 3.9134 parameter: [18.39799969 0.70697276 -1.9299075
6 -0.16745089]
Round3565-----squared error: 3.9134 parameter: [18.39799969 0.70694149 -1.9299359
8 -0.16744623]
Round3566-----squared error: 3.9134 parameter: [18.39799969 0.70691024 -1.9299643
7 -0.16744158]
Round3567-----squared error: 3.9134 parameter: [18.3979997 0.70687902 -1.9299927
3 -0.16743693]
Round3568-----squared error: 3.9134 parameter: [18.3979997 0.70684783 -1.9300210
6 -0.16743228]
Round3569-----squared error: 3.9134 parameter: [18.3979997 0.70681667 -1.9300493
7 -0.16742764]
Round3570-----squared error: 3.9134 parameter: [18.3979997 0.70678554 -1.9300776
5 -0.167423]
Round3571-----squared error: 3.9134 parameter: [18.3979997 0.70675444 -1.9301059
-0.16741837]
Round3572-----squared error: 3.9134 parameter: [18.3979997 0.70672337 -1.9301341
3 -0.16741374]
Round3573-----squared error: 3.9134 parameter: [18.3979997 0.70669234 -1.9301623
3 -0.16740912]
Round3574-----squared error: 3.9134 parameter: [18.39799971 0.70666133 -1.9301905
-0.1674045]
Round3575-----squared error: 3.9134 parameter: [18.39799971 0.70663035 -1.9302186
4 -0.16739988]
Round3576-----squared error: 3.9134 parameter: [18.39799971 0.7065994 -1.9302467
6 -0.16739527]
Round3577-----squared error: 3.9134 parameter: [18.39799971 0.70656848 -1.9302748
4 -0.16739066]
Round3578-----squared error: 3.9134 parameter: [18.39799971 0.70653759 -1.9303029
1 -0.16738606]
Round3579-----squared error: 3.9134 parameter: [18.39799971 0.70650673 -1.9303309
4 -0.16738146]
Round3580-----squared error: 3.9134 parameter: [18.39799971 0.7064759 -1.9303589
5 -0.16737686]
Round3581-----squared error: 3.9134 parameter: [18.39799972 0.70644509 -1.9303869
3 -0.16737227]
Round3582-----squared error: 3.9134 parameter: [18.39799972 0.70641432 -1.9304148
8 -0.16736768]
Round3583-----squared error: 3.9134 parameter: [18.39799972 0.70638358 -1.9304428
1 -0.1673631]
Round3584-----squared error: 3.9134 parameter: [18.39799972 0.70635287 -1.9304707
1 -0.16735852]

Round3585-----squared error: 3.9134 parameter: [18.39799972 0.70632218 -1.9304985
8 -0.16735395]
Round3586-----squared error: 3.9134 parameter: [18.39799972 0.70629153 -1.9305264
2 -0.16734938]
Round3587-----squared error: 3.9134 parameter: [18.39799972 0.70626091 -1.9305542
4 -0.16734481]
Round3588-----squared error: 3.9134 parameter: [18.39799973 0.70623031 -1.9305820
3 -0.16734025]
Round3589-----squared error: 3.9134 parameter: [18.39799973 0.70619975 -1.9306098
-0.16733569]
Round3590-----squared error: 3.9134 parameter: [18.39799973 0.70616921 -1.9306375
3 -0.16733114]
Round3591-----squared error: 3.9134 parameter: [18.39799973 0.7061387 -1.9306652
4 -0.16732659]
Round3592-----squared error: 3.9134 parameter: [18.39799973 0.70610822 -1.9306929
3 -0.16732204]
Round3593-----squared error: 3.9134 parameter: [18.39799973 0.70607778 -1.9307205
9 -0.1673175]
Round3594-----squared error: 3.9134 parameter: [18.39799973 0.70604736 -1.9307482
2 -0.16731297]
Round3595-----squared error: 3.9134 parameter: [18.39799974 0.70601697 -1.9307758
2 -0.16730843]
Round3596-----squared error: 3.9134 parameter: [18.39799974 0.70598661 -1.9308034
-0.1673039]
Round3597-----squared error: 3.9134 parameter: [18.39799974 0.70595628 -1.9308309
5 -0.16729938]
Round3598-----squared error: 3.9134 parameter: [18.39799974 0.70592597 -1.9308584
7 -0.16729486]
Round3599-----squared error: 3.9134 parameter: [18.39799974 0.7058957 -1.9308859
7 -0.16729034]
Round3600-----squared error: 3.9134 parameter: [18.39799974 0.70586546 -1.9309134
4 -0.16728583]
Round3601-----squared error: 3.9134 parameter: [18.39799974 0.70583524 -1.9309408
8 -0.16728132]
Round3602-----squared error: 3.9134 parameter: [18.39799974 0.70580506 -1.9309683
-0.16727682]
Round3603-----squared error: 3.9134 parameter: [18.39799975 0.7057749 -1.9309956
9 -0.16727232]
Round3604-----squared error: 3.9134 parameter: [18.39799975 0.70574477 -1.9310230
5 -0.16726782]
Round3605-----squared error: 3.9134 parameter: [18.39799975 0.70571467 -1.9310503
9 -0.16726333]
Round3606-----squared error: 3.9134 parameter: [18.39799975 0.7056846 -1.9310777
-0.16725884]
Round3607-----squared error: 3.9134 parameter: [18.39799975 0.70565456 -1.9311049
9 -0.16725436]
Round3608-----squared error: 3.9134 parameter: [18.39799975 0.70562455 -1.9311322
5 -0.16724988]
Round3609-----squared error: 3.9134 parameter: [18.39799975 0.70559456 -1.9311594
8 -0.16724541]
Round3610-----squared error: 3.9134 parameter: [18.39799975 0.70556461 -1.9311866
9 -0.16724093]
Round3611-----squared error: 3.9134 parameter: [18.39799976 0.70553468 -1.9312138
6 -0.16723647]
Round3612-----squared error: 3.9134 parameter: [18.39799976 0.70550479 -1.9312410
2 -0.167232]
Round3613-----squared error: 3.9134 parameter: [18.39799976 0.70547492 -1.9312681
5 -0.16722755]
Round3614-----squared error: 3.9134 parameter: [18.39799976 0.70544508 -1.9312952
5 -0.16722309]
Round3615-----squared error: 3.9134 parameter: [18.39799976 0.70541527 -1.9313223
2 -0.16721864]
Round3616-----squared error: 3.9134 parameter: [18.39799976 0.70538548 -1.9313493
7 -0.16721419]

Round3617-----squared error: 3.9134 parameter: [18.39799976 0.70535573 -1.9313763
9 -0.16720975]
Round3618-----squared error: 3.9134 parameter: [18.39799976 0.705326 -1.9314033
9 -0.16720531]
Round3619-----squared error: 3.9134 parameter: [18.39799977 0.70529631 -1.9314303
6 -0.16720088]
Round3620-----squared error: 3.9134 parameter: [18.39799977 0.70526664 -1.9314573
-0.16719645]
Round3621-----squared error: 3.9134 parameter: [18.39799977 0.705237 -1.9314842
2 -0.16719202]
Round3622-----squared error: 3.9134 parameter: [18.39799977 0.70520739 -1.9315111
1 -0.1671876]
Round3623-----squared error: 3.9134 parameter: [18.39799977 0.70517781 -1.9315379
8 -0.16718318]
Round3624-----squared error: 3.9134 parameter: [18.39799977 0.70514825 -1.9315648
2 -0.16717877]
Round3625-----squared error: 3.9134 parameter: [18.39799977 0.70511873 -1.9315916
3 -0.16717436]
Round3626-----squared error: 3.9134 parameter: [18.39799977 0.70508923 -1.9316184
2 -0.16716995]
Round3627-----squared error: 3.9134 parameter: [18.39799977 0.70505976 -1.9316451
8 -0.16716555]
Round3628-----squared error: 3.9134 parameter: [18.39799978 0.70503032 -1.9316719
2 -0.16716115]
Round3629-----squared error: 3.9134 parameter: [18.39799978 0.7050009 -1.9316986
3 -0.16715676]
Round3630-----squared error: 3.9134 parameter: [18.39799978 0.70497152 -1.9317253
1 -0.16715237]
Round3631-----squared error: 3.9134 parameter: [18.39799978 0.70494216 -1.9317519
7 -0.16714798]
Round3632-----squared error: 3.9134 parameter: [18.39799978 0.70491284 -1.9317786
-0.1671436]
Round3633-----squared error: 3.9134 parameter: [18.39799978 0.70488354 -1.9318052
1 -0.16713922]
Round3634-----squared error: 3.9134 parameter: [18.39799978 0.70485426 -1.9318317
9 -0.16713485]
Round3635-----squared error: 3.9134 parameter: [18.39799978 0.70482502 -1.9318583
5 -0.16713048]
Round3636-----squared error: 3.9134 parameter: [18.39799978 0.70479581 -1.9318848
8 -0.16712611]
Round3637-----squared error: 3.9134 parameter: [18.39799979 0.70476662 -1.9319113
8 -0.16712175]
Round3638-----squared error: 3.9134 parameter: [18.39799979 0.70473746 -1.9319378
6 -0.16711739]
Round3639-----squared error: 3.9134 parameter: [18.39799979 0.70470833 -1.9319643
2 -0.16711304]
Round3640-----squared error: 3.9134 parameter: [18.39799979 0.70467922 -1.9319907
4 -0.16710869]
Round3641-----squared error: 3.9134 parameter: [18.39799979 0.70465015 -1.9320171
5 -0.16710434]
Round3642-----squared error: 3.9134 parameter: [18.39799979 0.7046211 -1.9320435
2 -0.1671]
Round3643-----squared error: 3.9134 parameter: [18.39799979 0.70459208 -1.9320698
7 -0.16709566]
Round3644-----squared error: 3.9134 parameter: [18.39799979 0.70456309 -1.9320962
-0.16709133]
Round3645-----squared error: 3.9134 parameter: [18.39799979 0.70453413 -1.9321225
-0.167087]
Round3646-----squared error: 3.9134 parameter: [18.39799979 0.70450519 -1.9321487
7 -0.16708267]
Round3647-----squared error: 3.9134 parameter: [18.3979998 0.70447628 -1.9321750
2 -0.16707835]
Round3648-----squared error: 3.9134 parameter: [18.3979998 0.7044474 -1.9322012
5 -0.16707403]

Round3649-----squared error: 3.9134 parameter: [18.3979998 0.70441855 -1.9322274
 5 -0.16706972]
 Round3650-----squared error: 3.9134 parameter: [18.3979998 0.70438973 -1.9322536
 2 -0.16706541]
 Round3651-----squared error: 3.9134 parameter: [18.3979998 0.70436093 -1.9322797
 7 -0.1670611]
 Round3652-----squared error: 3.9134 parameter: [18.3979998 0.70433216 -1.9323058
 9 -0.1670568]
 Round3653-----squared error: 3.9134 parameter: [18.3979998 0.70430342 -1.9323319
 9 -0.1670525]
 Round3654-----squared error: 3.9134 parameter: [18.3979998 0.7042747 -1.9323580
 6 -0.16704821]
 Round3655-----squared error: 3.9134 parameter: [18.3979998 0.70424602 -1.9323841
 1 -0.16704392]
 Round3656-----squared error: 3.9134 parameter: [18.39799981 0.70421736 -1.9324101
 3 -0.16703963]
 Round3657-----squared error: 3.9134 parameter: [18.39799981 0.70418873 -1.9324361
 2 -0.16703535]
 Round3658-----squared error: 3.9134 parameter: [18.39799981 0.70416012 -1.9324621
 -0.16703107]
 Round3659-----squared error: 3.9134 parameter: [18.39799981 0.70413154 -1.9324880
 4 -0.1670268]
 Round3660-----squared error: 3.9134 parameter: [18.39799981 0.704103 -1.9325139
 6 -0.16702253]
 Round3661-----squared error: 3.9134 parameter: [18.39799981 0.70407447 -1.9325398
 6 -0.16701826]
 Round3662-----squared error: 3.9134 parameter: [18.39799981 0.70404598 -1.9325657
 3 -0.167014]
 Round3663-----squared error: 3.9134 parameter: [18.39799981 0.70401751 -1.9325915
 8 -0.16700974]
 Round3664-----squared error: 3.9134 parameter: [18.39799981 0.70398907 -1.9326174
 -0.16700548]
 Round3665-----squared error: 3.9134 parameter: [18.39799981 0.70396066 -1.9326432
 -0.16700123]
 Round3666-----squared error: 3.9134 parameter: [18.39799981 0.70393228 -1.9326689
 7 -0.16699698]
 Round3667-----squared error: 3.9134 parameter: [18.39799982 0.70390392 -1.9326947
 1 -0.16699274]
 Round3668-----squared error: 3.9134 parameter: [18.39799982 0.70387559 -1.9327204
 4 -0.1669885]
 Round3669-----squared error: 3.9134 parameter: [18.39799982 0.70384729 -1.9327461
 3 -0.16698427]
 Round3670-----squared error: 3.9134 parameter: [18.39799982 0.70381901 -1.9327718
 -0.16698003]
 Round3671-----squared error: 3.9134 parameter: [18.39799982 0.70379076 -1.9327974
 5 -0.16697581]
 Round3672-----squared error: 3.9134 parameter: [18.39799982 0.70376254 -1.9328230
 7 -0.16697158]
 Round3673-----squared error: 3.9134 parameter: [18.39799982 0.70373434 -1.9328486
 7 -0.16696736]
 Round3674-----squared error: 3.9134 parameter: [18.39799982 0.70370618 -1.9328742
 4 -0.16696315]
 Round3675-----squared error: 3.9134 parameter: [18.39799982 0.70367804 -1.9328997
 9 -0.16695893]
 Round3676-----squared error: 3.9134 parameter: [18.39799982 0.70364992 -1.9329253
 1 -0.16695473]
 Round3677-----squared error: 3.9134 parameter: [18.39799982 0.70362184 -1.9329508
 1 -0.16695052]
 Round3678-----squared error: 3.9134 parameter: [18.39799983 0.70359378 -1.9329762
 9 -0.16694632]
 Round3679-----squared error: 3.9134 parameter: [18.39799983 0.70356575 -1.9330017
 4 -0.16694213]
 Round3680-----squared error: 3.9134 parameter: [18.39799983 0.70353774 -1.9330271
 6 -0.16693793]

Round3681-----squared error: 3.9134 parameter: [18.39799983 0.70350976 -1.9330525
6 -0.16693374]
Round3682-----squared error: 3.9134 parameter: [18.39799983 0.70348181 -1.9330779
4 -0.16692956]
Round3683-----squared error: 3.9134 parameter: [18.39799983 0.70345389 -1.9331032
9 -0.16692538]
Round3684-----squared error: 3.9134 parameter: [18.39799983 0.70342599 -1.9331286
2 -0.1669212]
Round3685-----squared error: 3.9134 parameter: [18.39799983 0.70339812 -1.9331539
2 -0.16691703]
Round3686-----squared error: 3.9134 parameter: [18.39799983 0.70337027 -1.9331792
-0.16691286]
Round3687-----squared error: 3.9134 parameter: [18.39799983 0.70334246 -1.9332044
5 -0.16690869]
Round3688-----squared error: 3.9134 parameter: [18.39799983 0.70331466 -1.9332296
8 -0.16690453]
Round3689-----squared error: 3.9134 parameter: [18.39799983 0.7032869 -1.9332548
8 -0.16690037]
Round3690-----squared error: 3.9134 parameter: [18.39799984 0.70325916 -1.9332800
6 -0.16689622]
Round3691-----squared error: 3.9134 parameter: [18.39799984 0.70323145 -1.9333052
2 -0.16689207]
Round3692-----squared error: 3.9134 parameter: [18.39799984 0.70320377 -1.9333303
5 -0.16688792]
Round3693-----squared error: 3.9134 parameter: [18.39799984 0.70317611 -1.9333554
6 -0.16688378]
Round3694-----squared error: 3.9134 parameter: [18.39799984 0.70314848 -1.9333805
4 -0.16687964]
Round3695-----squared error: 3.9134 parameter: [18.39799984 0.70312088 -1.9334056
-0.1668755]
Round3696-----squared error: 3.9134 parameter: [18.39799984 0.7030933 -1.9334306
3 -0.16687137]
Round3697-----squared error: 3.9134 parameter: [18.39799984 0.70306575 -1.9334556
4 -0.16686724]
Round3698-----squared error: 3.9134 parameter: [18.39799984 0.70303822 -1.9334806
3 -0.16686312]
Round3699-----squared error: 3.9134 parameter: [18.39799984 0.70301072 -1.9335055
9 -0.166859]
Round3700-----squared error: 3.9134 parameter: [18.39799984 0.70298325 -1.9335305
3 -0.16685488]
Round3701-----squared error: 3.9134 parameter: [18.39799984 0.70295581 -1.9335554
4 -0.16685077]
Round3702-----squared error: 3.9134 parameter: [18.39799985 0.70292839 -1.9335803
3 -0.16684666]
Round3703-----squared error: 3.9134 parameter: [18.39799985 0.70290099 -1.9336052
-0.16684256]
Round3704-----squared error: 3.9134 parameter: [18.39799985 0.70287363 -1.9336300
4 -0.16683846]
Round3705-----squared error: 3.9134 parameter: [18.39799985 0.70284629 -1.9336548
6 -0.16683436]
Round3706-----squared error: 3.9134 parameter: [18.39799985 0.70281897 -1.9336796
5 -0.16683027]
Round3707-----squared error: 3.9134 parameter: [18.39799985 0.70279169 -1.9337044
2 -0.16682618]
Round3708-----squared error: 3.9133 parameter: [18.39799985 0.70276442 -1.9337291
7 -0.16682209]
Round3709-----squared error: 3.9133 parameter: [18.39799985 0.70273719 -1.9337538
9 -0.16681801]
Round3710-----squared error: 3.9133 parameter: [18.39799985 0.70270998 -1.9337785
9 -0.16681393]
Round3711-----squared error: 3.9133 parameter: [18.39799985 0.7026828 -1.9338032
6 -0.16680986]
Round3712-----squared error: 3.9133 parameter: [18.39799985 0.70265564 -1.9338279
1 -0.16680579]

Round3713-----squared error: 3.9133 parameter: [18.39799985 0.70262851 -1.9338525
4 -0.16680172]
Round3714-----squared error: 3.9133 parameter: [18.39799985 0.7026014 -1.9338771
4 -0.16679766]
Round3715-----squared error: 3.9133 parameter: [18.39799985 0.70257433 -1.9339017
2 -0.1667936]
Round3716-----squared error: 3.9133 parameter: [18.39799986 0.70254727 -1.9339262
7 -0.16678954]
Round3717-----squared error: 3.9133 parameter: [18.39799986 0.70252025 -1.9339508
1 -0.16678549]
Round3718-----squared error: 3.9133 parameter: [18.39799986 0.70249325 -1.9339753
1 -0.16678144]
Round3719-----squared error: 3.9133 parameter: [18.39799986 0.70246627 -1.9339998
-0.1667774]
Round3720-----squared error: 3.9133 parameter: [18.39799986 0.70243932 -1.9340242
6 -0.16677336]
Round3721-----squared error: 3.9133 parameter: [18.39799986 0.7024124 -1.9340486
9 -0.16676932]
Round3722-----squared error: 3.9133 parameter: [18.39799986 0.7023855 -1.9340731
1 -0.16676528]
Round3723-----squared error: 3.9133 parameter: [18.39799986 0.70235863 -1.9340975
-0.16676126]
Round3724-----squared error: 3.9133 parameter: [18.39799986 0.70233179 -1.9341218
6 -0.16675723]
Round3725-----squared error: 3.9133 parameter: [18.39799986 0.70230497 -1.9341462
-0.16675321]
Round3726-----squared error: 3.9133 parameter: [18.39799986 0.70227817 -1.9341705
2 -0.16674919]
Round3727-----squared error: 3.9133 parameter: [18.39799986 0.70225141 -1.9341948
2 -0.16674517]
Round3728-----squared error: 3.9133 parameter: [18.39799986 0.70222466 -1.9342190
9 -0.16674116]
Round3729-----squared error: 3.9133 parameter: [18.39799986 0.70219795 -1.9342433
4 -0.16673716]
Round3730-----squared error: 3.9133 parameter: [18.39799987 0.70217126 -1.9342675
6 -0.16673315]
Round3731-----squared error: 3.9133 parameter: [18.39799987 0.70214459 -1.9342917
7 -0.16672915]
Round3732-----squared error: 3.9133 parameter: [18.39799987 0.70211795 -1.9343159
4 -0.16672516]
Round3733-----squared error: 3.9133 parameter: [18.39799987 0.70209134 -1.9343401
-0.16672116]
Round3734-----squared error: 3.9133 parameter: [18.39799987 0.70206475 -1.9343642
3 -0.16671718]
Round3735-----squared error: 3.9133 parameter: [18.39799987 0.70203819 -1.9343883
4 -0.16671319]
Round3736-----squared error: 3.9133 parameter: [18.39799987 0.70201165 -1.9344124
2 -0.16670921]
Round3737-----squared error: 3.9133 parameter: [18.39799987 0.70198514 -1.9344364
9 -0.16670523]
Round3738-----squared error: 3.9133 parameter: [18.39799987 0.70195865 -1.9344605
2 -0.16670126]
Round3739-----squared error: 3.9133 parameter: [18.39799987 0.70193219 -1.9344845
4 -0.16669729]
Round3740-----squared error: 3.9133 parameter: [18.39799987 0.70190576 -1.9345085
3 -0.16669332]
Round3741-----squared error: 3.9133 parameter: [18.39799987 0.70187935 -1.9345325
-0.16668936]
Round3742-----squared error: 3.9133 parameter: [18.39799987 0.70185296 -1.9345564
5 -0.1666854]
Round3743-----squared error: 3.9133 parameter: [18.39799987 0.7018266 -1.9345803
7 -0.16668144]
Round3744-----squared error: 3.9133 parameter: [18.39799987 0.70180027 -1.9346042
7 -0.16667749]

Round3745-----squared error: 3.9133 parameter: [18.39799988 0.70177396 -1.9346281
4 -0.16667354]
Round3746-----squared error: 3.9133 parameter: [18.39799988 0.70174768 -1.934652
-0.1666696]
Round3747-----squared error: 3.9133 parameter: [18.39799988 0.70172142 -1.9346758
3 -0.16666566]
Round3748-----squared error: 3.9133 parameter: [18.39799988 0.70169519 -1.9346996
3 -0.16666172]
Round3749-----squared error: 3.9133 parameter: [18.39799988 0.70166898 -1.9347234
2 -0.16665779]
Round3750-----squared error: 3.9133 parameter: [18.39799988 0.7016428 -1.9347471
8 -0.16665386]
Round3751-----squared error: 3.9133 parameter: [18.39799988 0.70161664 -1.9347709
2 -0.16664993]
Round3752-----squared error: 3.9133 parameter: [18.39799988 0.70159051 -1.9347946
3 -0.16664601]
Round3753-----squared error: 3.9133 parameter: [18.39799988 0.7015644 -1.9348183
2 -0.16664209]
Round3754-----squared error: 3.9133 parameter: [18.39799988 0.70153832 -1.9348419
9 -0.16663817]
Round3755-----squared error: 3.9133 parameter: [18.39799988 0.70151226 -1.9348656
4 -0.16663426]
Round3756-----squared error: 3.9133 parameter: [18.39799988 0.70148623 -1.9348892
6 -0.16663035]
Round3757-----squared error: 3.9133 parameter: [18.39799988 0.70146022 -1.9349128
7 -0.16662645]
Round3758-----squared error: 3.9133 parameter: [18.39799988 0.70143424 -1.9349364
4 -0.16662255]
Round3759-----squared error: 3.9133 parameter: [18.39799988 0.70140829 -1.93496
-0.16661865]
Round3760-----squared error: 3.9133 parameter: [18.39799988 0.70138235 -1.9349835
3 -0.16661475]
Round3761-----squared error: 3.9133 parameter: [18.39799988 0.70135645 -1.9350070
4 -0.16661086]
Round3762-----squared error: 3.9133 parameter: [18.39799989 0.70133056 -1.9350305
3 -0.16660698]
Round3763-----squared error: 3.9133 parameter: [18.39799989 0.70130471 -1.9350539
9 -0.16660309]
Round3764-----squared error: 3.9133 parameter: [18.39799989 0.70127888 -1.9350774
4 -0.16659921]
Round3765-----squared error: 3.9133 parameter: [18.39799989 0.70125307 -1.9351008
5 -0.16659534]
Round3766-----squared error: 3.9133 parameter: [18.39799989 0.70122729 -1.9351242
5 -0.16659147]
Round3767-----squared error: 3.9133 parameter: [18.39799989 0.70120153 -1.9351476
3 -0.1665876]
Round3768-----squared error: 3.9133 parameter: [18.39799989 0.7011758 -1.9351709
8 -0.16658373]
Round3769-----squared error: 3.9133 parameter: [18.39799989 0.70115009 -1.9351943
1 -0.16657987]
Round3770-----squared error: 3.9133 parameter: [18.39799989 0.7011244 -1.9352176
1 -0.16657601]
Round3771-----squared error: 3.9133 parameter: [18.39799989 0.70109874 -1.9352409
-0.16657216]
Round3772-----squared error: 3.9133 parameter: [18.39799989 0.70107311 -1.9352641
6 -0.16656831]
Round3773-----squared error: 3.9133 parameter: [18.39799989 0.7010475 -1.9352874
-0.16656446]
Round3774-----squared error: 3.9133 parameter: [18.39799989 0.70102192 -1.9353106
1 -0.16656062]
Round3775-----squared error: 3.9133 parameter: [18.39799989 0.70099636 -1.9353338
1 -0.16655678]
Round3776-----squared error: 3.9133 parameter: [18.39799989 0.70097082 -1.9353569
8 -0.16655294]

Round3777-----squared error: 3.9133 parameter: [18.39799989 0.70094531 -1.9353801
3 -0.16654911]
Round3778-----squared error: 3.9133 parameter: [18.39799989 0.70091982 -1.9354032
5 -0.16654528]
Round3779-----squared error: 3.9133 parameter: [18.39799989 0.70089436 -1.9354263
6 -0.16654145]
Round3780-----squared error: 3.9133 parameter: [18.3979999 0.70086892 -1.9354494
4 -0.16653763]
Round3781-----squared error: 3.9133 parameter: [18.3979999 0.70084351 -1.9354725
-0.16653381]
Round3782-----squared error: 3.9133 parameter: [18.3979999 0.70081812 -1.9354955
4 -0.16653]
Round3783-----squared error: 3.9133 parameter: [18.3979999 0.70079276 -1.9355185
5 -0.16652619]
Round3784-----squared error: 3.9133 parameter: [18.3979999 0.70076742 -1.9355415
5 -0.16652238]
Round3785-----squared error: 3.9133 parameter: [18.3979999 0.7007421 -1.9355645
2 -0.16651857]
Round3786-----squared error: 3.9133 parameter: [18.3979999 0.70071681 -1.9355874
7 -0.16651477]
Round3787-----squared error: 3.9133 parameter: [18.3979999 0.70069154 -1.9356103
9 -0.16651098]
Round3788-----squared error: 3.9133 parameter: [18.3979999 0.7006663 -1.9356333
-0.16650718]
Round3789-----squared error: 3.9133 parameter: [18.3979999 0.70064108 -1.9356561
8 -0.16650339]
Round3790-----squared error: 3.9133 parameter: [18.3979999 0.70061589 -1.9356790
4 -0.16649961]
Round3791-----squared error: 3.9133 parameter: [18.3979999 0.70059072 -1.9357018
8 -0.16649582]
Round3792-----squared error: 3.9133 parameter: [18.3979999 0.70056557 -1.9357246
9 -0.16649204]
Round3793-----squared error: 3.9133 parameter: [18.3979999 0.70054045 -1.9357474
9 -0.16648827]
Round3794-----squared error: 3.9133 parameter: [18.3979999 0.70051535 -1.9357702
6 -0.16648449]
Round3795-----squared error: 3.9133 parameter: [18.3979999 0.70049028 -1.9357930
1 -0.16648072]
Round3796-----squared error: 3.9133 parameter: [18.3979999 0.70046523 -1.9358157
4 -0.16647696]
Round3797-----squared error: 3.9133 parameter: [18.3979999 0.7004402 -1.9358384
4 -0.1664732]
Round3798-----squared error: 3.9133 parameter: [18.3979999 0.7004152 -1.9358611
3 -0.16646944]
Round3799-----squared error: 3.9133 parameter: [18.3979999 0.70039023 -1.9358837
9 -0.16646568]
Round3800-----squared error: 3.9133 parameter: [18.39799991 0.70036527 -1.9359064
3 -0.16646193]
Round3801-----squared error: 3.9133 parameter: [18.39799991 0.70034034 -1.9359290
5 -0.16645818]
Round3802-----squared error: 3.9133 parameter: [18.39799991 0.70031544 -1.9359516
4 -0.16645444]
Round3803-----squared error: 3.9133 parameter: [18.39799991 0.70029056 -1.9359742
2 -0.1664507]
Round3804-----squared error: 3.9133 parameter: [18.39799991 0.7002657 -1.9359967
7 -0.16644696]
Round3805-----squared error: 3.9133 parameter: [18.39799991 0.70024087 -1.9360193
-0.16644322]
Round3806-----squared error: 3.9133 parameter: [18.39799991 0.70021606 -1.9360418
1 -0.16643949]
Round3807-----squared error: 3.9133 parameter: [18.39799991 0.70019127 -1.9360643
-0.16643577]
Round3808-----squared error: 3.9133 parameter: [18.39799991 0.70016651 -1.9360867
7 -0.16643204]

Round3809-----squared error: 3.9133 parameter: [18.39799991 0.70014177 -1.9361092
1 -0.16642832]
Round3810-----squared error: 3.9133 parameter: [18.39799991 0.70011706 -1.9361316
3 -0.1664246]
Round3811-----squared error: 3.9133 parameter: [18.39799991 0.70009237 -1.9361540
3 -0.16642089]
Round3812-----squared error: 3.9133 parameter: [18.39799991 0.7000677 -1.9361764
1 -0.16641718]
Round3813-----squared error: 3.9133 parameter: [18.39799991 0.70004306 -1.9361987
7 -0.16641347]
Round3814-----squared error: 3.9133 parameter: [18.39799991 0.70001844 -1.9362211
1 -0.16640977]
Round3815-----squared error: 3.9133 parameter: [18.39799991 0.69999384 -1.9362434
2 -0.16640607]
Round3816-----squared error: 3.9133 parameter: [18.39799991 0.69996927 -1.9362657
2 -0.16640237]
Round3817-----squared error: 3.9133 parameter: [18.39799991 0.69994472 -1.9362879
9 -0.16639868]
Round3818-----squared error: 3.9133 parameter: [18.39799991 0.6999202 -1.9363102
4 -0.16639499]
Round3819-----squared error: 3.9133 parameter: [18.39799991 0.6998957 -1.9363324
7 -0.16639131]
Round3820-----squared error: 3.9133 parameter: [18.39799991 0.69987122 -1.9363546
7 -0.16638762]
Round3821-----squared error: 3.9133 parameter: [18.39799991 0.69984677 -1.9363768
6 -0.16638394]
Round3822-----squared error: 3.9133 parameter: [18.39799992 0.69982234 -1.9363990
2 -0.16638027]
Round3823-----squared error: 3.9133 parameter: [18.39799992 0.69979793 -1.9364211
7 -0.1663766]
Round3824-----squared error: 3.9133 parameter: [18.39799992 0.69977355 -1.9364432
9 -0.16637293]
Round3825-----squared error: 3.9133 parameter: [18.39799992 0.69974919 -1.9364653
9 -0.16636926]
Round3826-----squared error: 3.9133 parameter: [18.39799992 0.69972485 -1.9364874
7 -0.1663656]
Round3827-----squared error: 3.9133 parameter: [18.39799992 0.69970054 -1.9365095
2 -0.16636194]
Round3828-----squared error: 3.9133 parameter: [18.39799992 0.69967625 -1.9365315
6 -0.16635829]
Round3829-----squared error: 3.9133 parameter: [18.39799992 0.69965198 -1.9365535
7 -0.16635463]
Round3830-----squared error: 3.9133 parameter: [18.39799992 0.69962774 -1.9365755
7 -0.16635099]
Round3831-----squared error: 3.9133 parameter: [18.39799992 0.69960352 -1.9365975
4 -0.16634734]
Round3832-----squared error: 3.9133 parameter: [18.39799992 0.69957932 -1.9366194
9 -0.1663437]
Round3833-----squared error: 3.9133 parameter: [18.39799992 0.69955515 -1.9366414
2 -0.16634006]
Round3834-----squared error: 3.9133 parameter: [18.39799992 0.699531 -1.9366633
3 -0.16633643]
Round3835-----squared error: 3.9133 parameter: [18.39799992 0.69950687 -1.9366852
2 -0.1663328]
Round3836-----squared error: 3.9133 parameter: [18.39799992 0.69948277 -1.9367070
8 -0.16632917]
Round3837-----squared error: 3.9133 parameter: [18.39799992 0.69945868 -1.9367289
3 -0.16632554]
Round3838-----squared error: 3.9133 parameter: [18.39799992 0.69943463 -1.9367507
5 -0.16632192]
Round3839-----squared error: 3.9133 parameter: [18.39799992 0.69941059 -1.9367725
6 -0.1663183]
Round3840-----squared error: 3.9133 parameter: [18.39799992 0.69938658 -1.9367943
4 -0.16631469]

Round3841-----squared error: 3.9133 parameter: [18.39799992 0.69936259 -1.9368161
-0.16631108]
Round3842-----squared error: 3.9133 parameter: [18.39799992 0.69933863 -1.9368378
4 -0.16630747]
Round3843-----squared error: 3.9133 parameter: [18.39799992 0.69931469 -1.9368595
6 -0.16630387]
Round3844-----squared error: 3.9133 parameter: [18.39799992 0.69929077 -1.9368812
6 -0.16630026]
Round3845-----squared error: 3.9133 parameter: [18.39799992 0.69926687 -1.9369029
3 -0.16629667]
Round3846-----squared error: 3.9133 parameter: [18.39799992 0.699243 -1.9369245
9 -0.16629307]
Round3847-----squared error: 3.9133 parameter: [18.39799993 0.69921915 -1.9369462
2 -0.16628948]
Round3848-----squared error: 3.9133 parameter: [18.39799993 0.69919532 -1.9369678
4 -0.16628589]
Round3849-----squared error: 3.9133 parameter: [18.39799993 0.69917152 -1.9369894
3 -0.16628231]
Round3850-----squared error: 3.9133 parameter: [18.39799993 0.69914774 -1.937011
-0.16627873]
Round3851-----squared error: 3.9133 parameter: [18.39799993 0.69912398 -1.9370325
6 -0.16627515]
Round3852-----squared error: 3.9133 parameter: [18.39799993 0.69910024 -1.9370540
9 -0.16627158]
Round3853-----squared error: 3.9133 parameter: [18.39799993 0.69907653 -1.9370756
-0.16626801]
Round3854-----squared error: 3.9133 parameter: [18.39799993 0.69905284 -1.9370970
9 -0.16626444]
Round3855-----squared error: 3.9133 parameter: [18.39799993 0.69902917 -1.9371185
6 -0.16626087]
Round3856-----squared error: 3.9133 parameter: [18.39799993 0.69900553 -1.93714
-0.16625731]
Round3857-----squared error: 3.9133 parameter: [18.39799993 0.69898191 -1.9371614
3 -0.16625376]
Round3858-----squared error: 3.9133 parameter: [18.39799993 0.69895831 -1.9371828
4 -0.1662502]
Round3859-----squared error: 3.9133 parameter: [18.39799993 0.69893473 -1.9372042
2 -0.16624665]
Round3860-----squared error: 3.9133 parameter: [18.39799993 0.69891118 -1.9372255
9 -0.1662431]
Round3861-----squared error: 3.9133 parameter: [18.39799993 0.69888765 -1.9372469
3 -0.16623956]
Round3862-----squared error: 3.9133 parameter: [18.39799993 0.69886414 -1.9372682
6 -0.16623602]
Round3863-----squared error: 3.9133 parameter: [18.39799993 0.69884065 -1.9372895
6 -0.16623248]
Round3864-----squared error: 3.9133 parameter: [18.39799993 0.69881719 -1.9373108
4 -0.16622895]
Round3865-----squared error: 3.9133 parameter: [18.39799993 0.69879375 -1.9373321
1 -0.16622541]
Round3866-----squared error: 3.9133 parameter: [18.39799993 0.69877033 -1.9373533
5 -0.16622189]
Round3867-----squared error: 3.9133 parameter: [18.39799993 0.69874694 -1.9373745
7 -0.16621836]
Round3868-----squared error: 3.9133 parameter: [18.39799993 0.69872356 -1.9373957
7 -0.16621484]
Round3869-----squared error: 3.9133 parameter: [18.39799993 0.69870021 -1.9374169
5 -0.16621132]
Round3870-----squared error: 3.9133 parameter: [18.39799993 0.69867689 -1.9374381
1 -0.16620781]
Round3871-----squared error: 3.9133 parameter: [18.39799993 0.69865358 -1.9374592
5 -0.1662043]
Round3872-----squared error: 3.9133 parameter: [18.39799993 0.6986303 -1.9374803
7 -0.16620079]

Round3873-----squared error: 3.9133 parameter: [18.39799993 0.69860704 -1.9375014
7 -0.16619728]
Round3874-----squared error: 3.9133 parameter: [18.39799993 0.6985838 -1.9375225
5 -0.16619378]
Round3875-----squared error: 3.9133 parameter: [18.39799993 0.69856058 -1.9375436
-0.16619028]
Round3876-----squared error: 3.9133 parameter: [18.39799994 0.69853739 -1.9375646
4 -0.16618679]
Round3877-----squared error: 3.9133 parameter: [18.39799994 0.69851422 -1.9375856
6 -0.1661833]
Round3878-----squared error: 3.9133 parameter: [18.39799994 0.69849107 -1.9376066
6 -0.16617981]
Round3879-----squared error: 3.9133 parameter: [18.39799994 0.69846794 -1.9376276
3 -0.16617632]
Round3880-----squared error: 3.9133 parameter: [18.39799994 0.69844484 -1.9376485
9 -0.16617284]
Round3881-----squared error: 3.9133 parameter: [18.39799994 0.69842175 -1.9376695
3 -0.16616936]
Round3882-----squared error: 3.9133 parameter: [18.39799994 0.69839869 -1.9376904
4 -0.16616589]
Round3883-----squared error: 3.9133 parameter: [18.39799994 0.69837565 -1.9377113
4 -0.16616242]
Round3884-----squared error: 3.9133 parameter: [18.39799994 0.69835264 -1.9377322
1 -0.16615895]
Round3885-----squared error: 3.9133 parameter: [18.39799994 0.69832965 -1.9377530
7 -0.16615548]
Round3886-----squared error: 3.9133 parameter: [18.39799994 0.69830667 -1.9377739
-0.16615202]
Round3887-----squared error: 3.9133 parameter: [18.39799994 0.69828372 -1.9377947
2 -0.16614856]
Round3888-----squared error: 3.9133 parameter: [18.39799994 0.6982608 -1.9378155
2 -0.1661451]
Round3889-----squared error: 3.9133 parameter: [18.39799994 0.69823789 -1.9378362
9 -0.16614165]
Round3890-----squared error: 3.9133 parameter: [18.39799994 0.69821501 -1.9378570
5 -0.1661382]
Round3891-----squared error: 3.9133 parameter: [18.39799994 0.69819215 -1.9378777
8 -0.16613475]
Round3892-----squared error: 3.9133 parameter: [18.39799994 0.69816931 -1.9378985
-0.16613131]
Round3893-----squared error: 3.9133 parameter: [18.39799994 0.69814649 -1.9379191
9 -0.16612787]
Round3894-----squared error: 3.9133 parameter: [18.39799994 0.69812369 -1.9379398
7 -0.16612443]
Round3895-----squared error: 3.9133 parameter: [18.39799994 0.69810092 -1.9379605
2 -0.166121]
Round3896-----squared error: 3.9133 parameter: [18.39799994 0.69807817 -1.9379811
6 -0.16611757]
Round3897-----squared error: 3.9133 parameter: [18.39799994 0.69805544 -1.9380017
7 -0.16611414]
Round3898-----squared error: 3.9133 parameter: [18.39799994 0.69803273 -1.9380223
7 -0.16611072]
Round3899-----squared error: 3.9133 parameter: [18.39799994 0.69801004 -1.9380429
4 -0.1661073]
Round3900-----squared error: 3.9133 parameter: [18.39799994 0.69798738 -1.9380635
-0.16610388]
Round3901-----squared error: 3.9133 parameter: [18.39799994 0.69796474 -1.9380840
3 -0.16610047]
Round3902-----squared error: 3.9133 parameter: [18.39799994 0.69794212 -1.9381045
5 -0.16609706]
Round3903-----squared error: 3.9133 parameter: [18.39799994 0.69791952 -1.9381250
5 -0.16609365]
Round3904-----squared error: 3.9133 parameter: [18.39799994 0.69789694 -1.9381455
2 -0.16609024]

Round3905-----squared error: 3.9133 parameter: [18.39799994 0.69787439 -1.9381659
8 -0.16608684]
Round3906-----squared error: 3.9133 parameter: [18.39799994 0.69785185 -1.9381864
2 -0.16608344]
Round3907-----squared error: 3.9133 parameter: [18.39799994 0.69782934 -1.9382068
3 -0.16608005]
Round3908-----squared error: 3.9133 parameter: [18.39799994 0.69780685 -1.9382272
3 -0.16607666]
Round3909-----squared error: 3.9133 parameter: [18.39799995 0.69778438 -1.9382476
1 -0.16607327]
Round3910-----squared error: 3.9133 parameter: [18.39799995 0.69776193 -1.9382679
7 -0.16606988]
Round3911-----squared error: 3.9133 parameter: [18.39799995 0.69773951 -1.9382883
-0.1660665]
Round3912-----squared error: 3.9133 parameter: [18.39799995 0.6977171 -1.9383086
2 -0.16606312]
Round3913-----squared error: 3.9133 parameter: [18.39799995 0.69769472 -1.9383289
2 -0.16605975]
Round3914-----squared error: 3.9133 parameter: [18.39799995 0.69767236 -1.9383492
-0.16605637]
Round3915-----squared error: 3.9133 parameter: [18.39799995 0.69765002 -1.9383694
6 -0.166053]
Round3916-----squared error: 3.9133 parameter: [18.39799995 0.6976277 -1.9383897
-0.16604964]
Round3917-----squared error: 3.9133 parameter: [18.39799995 0.6976054 -1.9384099
2 -0.16604627]
Round3918-----squared error: 3.9133 parameter: [18.39799995 0.69758313 -1.9384301
2 -0.16604291]
Round3919-----squared error: 3.9133 parameter: [18.39799995 0.69756088 -1.9384503
1 -0.16603956]
Round3920-----squared error: 3.9133 parameter: [18.39799995 0.69753864 -1.9384704
7 -0.1660362]
Round3921-----squared error: 3.9133 parameter: [18.39799995 0.69751643 -1.9384906
1 -0.16603285]
Round3922-----squared error: 3.9133 parameter: [18.39799995 0.69749424 -1.9385107
4 -0.1660295]
Round3923-----squared error: 3.9133 parameter: [18.39799995 0.69747207 -1.9385308
4 -0.16602616]
Round3924-----squared error: 3.9133 parameter: [18.39799995 0.69744993 -1.9385509
2 -0.16602282]
Round3925-----squared error: 3.9133 parameter: [18.39799995 0.6974278 -1.9385709
9 -0.16601948]
Round3926-----squared error: 3.9133 parameter: [18.39799995 0.6974057 -1.9385910
4 -0.16601614]
Round3927-----squared error: 3.9133 parameter: [18.39799995 0.69738361 -1.9386110
6 -0.16601281]
Round3928-----squared error: 3.9133 parameter: [18.39799995 0.69736155 -1.9386310
7 -0.16600948]
Round3929-----squared error: 3.9133 parameter: [18.39799995 0.69733951 -1.9386510
6 -0.16600616]
Round3930-----squared error: 3.9133 parameter: [18.39799995 0.69731749 -1.9386710
3 -0.16600284]
Round3931-----squared error: 3.9133 parameter: [18.39799995 0.69729549 -1.9386909
8 -0.16599952]
Round3932-----squared error: 3.9133 parameter: [18.39799995 0.69727352 -1.9387109
1 -0.1659962]
Round3933-----squared error: 3.9132 parameter: [18.39799995 0.69725156 -1.9387308
2 -0.16599289]
Round3934-----squared error: 3.9132 parameter: [18.39799995 0.69722963 -1.9387507
1 -0.16598958]
Round3935-----squared error: 3.9132 parameter: [18.39799995 0.69720771 -1.9387705
8 -0.16598627]
Round3936-----squared error: 3.9132 parameter: [18.39799995 0.69718582 -1.9387904
3 -0.16598296]

Round3937-----squared error: 3.9132 parameter: [18.39799995 0.69716395 -1.9388102
7 -0.16597966]
Round3938-----squared error: 3.9132 parameter: [18.39799995 0.6971421 -1.9388300
8 -0.16597637]
Round3939-----squared error: 3.9132 parameter: [18.39799995 0.69712027 -1.9388498
8 -0.16597307]
Round3940-----squared error: 3.9132 parameter: [18.39799995 0.69709846 -1.9388696
6 -0.16596978]
Round3941-----squared error: 3.9132 parameter: [18.39799995 0.69707667 -1.9388894
1 -0.16596649]
Round3942-----squared error: 3.9132 parameter: [18.39799995 0.69705491 -1.9389091
5 -0.16596321]
Round3943-----squared error: 3.9132 parameter: [18.39799995 0.69703316 -1.9389288
7 -0.16595992]
Round3944-----squared error: 3.9132 parameter: [18.39799995 0.69701143 -1.9389485
7 -0.16595664]
Round3945-----squared error: 3.9132 parameter: [18.39799995 0.69698973 -1.9389682
5 -0.16595337]
Round3946-----squared error: 3.9132 parameter: [18.39799995 0.69696805 -1.9389879
2 -0.16595009]
Round3947-----squared error: 3.9132 parameter: [18.39799995 0.69694639 -1.9390075
6 -0.16594682]
Round3948-----squared error: 3.9132 parameter: [18.39799995 0.69692474 -1.9390271
8 -0.16594356]
Round3949-----squared error: 3.9132 parameter: [18.39799996 0.69690312 -1.9390467
9 -0.16594029]
Round3950-----squared error: 3.9132 parameter: [18.39799996 0.69688152 -1.9390663
8 -0.16593703]
Round3951-----squared error: 3.9132 parameter: [18.39799996 0.69685994 -1.9390859
4 -0.16593378]
Round3952-----squared error: 3.9132 parameter: [18.39799996 0.69683839 -1.9391054
9 -0.16593052]
Round3953-----squared error: 3.9132 parameter: [18.39799996 0.69681685 -1.9391250
2 -0.16592727]
Round3954-----squared error: 3.9132 parameter: [18.39799996 0.69679533 -1.9391445
3 -0.16592402]
Round3955-----squared error: 3.9132 parameter: [18.39799996 0.69677384 -1.9391640
3 -0.16592077]
Round3956-----squared error: 3.9132 parameter: [18.39799996 0.69675236 -1.9391835
-0.16591753]
Round3957-----squared error: 3.9132 parameter: [18.39799996 0.69673091 -1.9392029
6 -0.16591429]
Round3958-----squared error: 3.9132 parameter: [18.39799996 0.69670947 -1.9392223
9 -0.16591106]
Round3959-----squared error: 3.9132 parameter: [18.39799996 0.69668806 -1.9392418
1 -0.16590782]
Round3960-----squared error: 3.9132 parameter: [18.39799996 0.69666667 -1.9392612
1 -0.16590459]
Round3961-----squared error: 3.9132 parameter: [18.39799996 0.69664529 -1.9392805
9 -0.16590136]
Round3962-----squared error: 3.9132 parameter: [18.39799996 0.69662394 -1.9392999
5 -0.16589814]
Round3963-----squared error: 3.9132 parameter: [18.39799996 0.69660261 -1.9393192
9 -0.16589492]
Round3964-----squared error: 3.9132 parameter: [18.39799996 0.6965813 -1.9393386
1 -0.1658917]
Round3965-----squared error: 3.9132 parameter: [18.39799996 0.69656001 -1.9393579
2 -0.16588849]
Round3966-----squared error: 3.9132 parameter: [18.39799996 0.69653874 -1.9393772
1 -0.16588527]
Round3967-----squared error: 3.9132 parameter: [18.39799996 0.69651749 -1.9393964
7 -0.16588206]
Round3968-----squared error: 3.9132 parameter: [18.39799996 0.69649626 -1.9394157
2 -0.16587886]

Round3969-----squared error: 3.9132 parameter: [18.39799996 0.69647505 -1.9394349
5 -0.16587566]
Round3970-----squared error: 3.9132 parameter: [18.39799996 0.69645387 -1.9394541
7 -0.16587245]
Round3971-----squared error: 3.9132 parameter: [18.39799996 0.6964327 -1.9394733
6 -0.16586926]
Round3972-----squared error: 3.9132 parameter: [18.39799996 0.69641155 -1.9394925
3 -0.16586606]
Round3973-----squared error: 3.9132 parameter: [18.39799996 0.69639042 -1.9395116
9 -0.16586287]
Round3974-----squared error: 3.9132 parameter: [18.39799996 0.69636932 -1.9395308
3 -0.16585968]
Round3975-----squared error: 3.9132 parameter: [18.39799996 0.69634823 -1.9395499
5 -0.1658565]
Round3976-----squared error: 3.9132 parameter: [18.39799996 0.69632716 -1.9395690
5 -0.16585332]
Round3977-----squared error: 3.9132 parameter: [18.39799996 0.69630612 -1.9395881
3 -0.16585014]
Round3978-----squared error: 3.9132 parameter: [18.39799996 0.69628509 -1.9396072
-0.16584696]
Round3979-----squared error: 3.9132 parameter: [18.39799996 0.69626409 -1.9396262
4 -0.16584379]
Round3980-----squared error: 3.9132 parameter: [18.39799996 0.6962431 -1.9396452
7 -0.16584062]
Round3981-----squared error: 3.9132 parameter: [18.39799996 0.69622214 -1.9396642
8 -0.16583745]
Round3982-----squared error: 3.9132 parameter: [18.39799996 0.69620119 -1.9396832
7 -0.16583429]
Round3983-----squared error: 3.9132 parameter: [18.39799996 0.69618027 -1.9397022
4 -0.16583113]
Round3984-----squared error: 3.9132 parameter: [18.39799996 0.69615936 -1.9397212
-0.16582797]
Round3985-----squared error: 3.9132 parameter: [18.39799996 0.69613848 -1.9397401
3 -0.16582481]
Round3986-----squared error: 3.9132 parameter: [18.39799996 0.69611762 -1.9397590
5 -0.16582166]
Round3987-----squared error: 3.9132 parameter: [18.39799996 0.69609677 -1.9397779
5 -0.16581851]
Round3988-----squared error: 3.9132 parameter: [18.39799996 0.69607595 -1.9397968
3 -0.16581536]
Round3989-----squared error: 3.9132 parameter: [18.39799996 0.69605514 -1.9398156
9 -0.16581222]
Round3990-----squared error: 3.9132 parameter: [18.39799996 0.69603436 -1.9398345
4 -0.16580908]
Round3991-----squared error: 3.9132 parameter: [18.39799996 0.6960136 -1.9398533
7 -0.16580594]
Round3992-----squared error: 3.9132 parameter: [18.39799996 0.69599285 -1.9398721
7 -0.16580281]
Round3993-----squared error: 3.9132 parameter: [18.39799996 0.69597213 -1.9398909
6 -0.16579968]
Round3994-----squared error: 3.9132 parameter: [18.39799996 0.69595142 -1.9399097
4 -0.16579655]
Round3995-----squared error: 3.9132 parameter: [18.39799996 0.69593074 -1.9399284
9 -0.16579342]
Round3996-----squared error: 3.9132 parameter: [18.39799996 0.69591007 -1.9399472
3 -0.1657903]
Round3997-----squared error: 3.9132 parameter: [18.39799996 0.69588943 -1.9399659
4 -0.16578718]
Round3998-----squared error: 3.9132 parameter: [18.39799996 0.6958688 -1.9399846
4 -0.16578406]
Round3999-----squared error: 3.9132 parameter: [18.39799997 0.6958482 -1.9400033
3 -0.16578095]
Round4000-----squared error: 3.9132 parameter: [18.39799997 0.69582761 -1.9400219
9 -0.16577784]

Round4001-----squared error: 3.9132 parameter: [18.39799997 0.69580705 -1.9400406
4 -0.16577473]
Round4002-----squared error: 3.9132 parameter: [18.39799997 0.6957865 -1.9400592
6 -0.16577162]
Round4003-----squared error: 3.9132 parameter: [18.39799997 0.69576598 -1.9400778
7 -0.16576852]
Round4004-----squared error: 3.9132 parameter: [18.39799997 0.69574547 -1.9400964
6 -0.16576542]
Round4005-----squared error: 3.9132 parameter: [18.39799997 0.69572499 -1.9401150
4 -0.16576232]
Round4006-----squared error: 3.9132 parameter: [18.39799997 0.69570452 -1.9401335
9 -0.16575923]
Round4007-----squared error: 3.9132 parameter: [18.39799997 0.69568407 -1.9401521
3 -0.16575614]
Round4008-----squared error: 3.9132 parameter: [18.39799997 0.69566365 -1.9401706
5 -0.16575305]
Round4009-----squared error: 3.9132 parameter: [18.39799997 0.69564324 -1.9401891
5 -0.16574997]
Round4010-----squared error: 3.9132 parameter: [18.39799997 0.69562285 -1.9402076
4 -0.16574689]
Round4011-----squared error: 3.9132 parameter: [18.39799997 0.69560248 -1.9402261
1 -0.16574381]
Round4012-----squared error: 3.9132 parameter: [18.39799997 0.69558213 -1.9402445
5 -0.16574073]
Round4013-----squared error: 3.9132 parameter: [18.39799997 0.6955618 -1.9402629
9 -0.16573766]
Round4014-----squared error: 3.9132 parameter: [18.39799997 0.69554149 -1.9402814
-0.16573459]
Round4015-----squared error: 3.9132 parameter: [18.39799997 0.6955212 -1.9402997
9 -0.16573152]
Round4016-----squared error: 3.9132 parameter: [18.39799997 0.69550093 -1.9403181
7 -0.16572845]
Round4017-----squared error: 3.9132 parameter: [18.39799997 0.69548068 -1.9403365
3 -0.16572539]
Round4018-----squared error: 3.9132 parameter: [18.39799997 0.69546045 -1.9403548
7 -0.16572233]
Round4019-----squared error: 3.9132 parameter: [18.39799997 0.69544024 -1.9403732
-0.16571928]
Round4020-----squared error: 3.9132 parameter: [18.39799997 0.69542005 -1.9403915
1 -0.16571622]
Round4021-----squared error: 3.9132 parameter: [18.39799997 0.69539987 -1.9404097
9 -0.16571317]
Round4022-----squared error: 3.9132 parameter: [18.39799997 0.69537972 -1.9404280
7 -0.16571013]
Round4023-----squared error: 3.9132 parameter: [18.39799997 0.69535959 -1.9404463
2 -0.16570708]
Round4024-----squared error: 3.9132 parameter: [18.39799997 0.69533947 -1.9404645
6 -0.16570404]
Round4025-----squared error: 3.9132 parameter: [18.39799997 0.69531938 -1.9404827
7 -0.165701]
Round4026-----squared error: 3.9132 parameter: [18.39799997 0.6952993 -1.9405009
8 -0.16569797]
Round4027-----squared error: 3.9132 parameter: [18.39799997 0.69527924 -1.9405191
6 -0.16569493]
Round4028-----squared error: 3.9132 parameter: [18.39799997 0.6952592 -1.9405373
3 -0.1656919]
Round4029-----squared error: 3.9132 parameter: [18.39799997 0.69523919 -1.9405554
7 -0.16568888]
Round4030-----squared error: 3.9132 parameter: [18.39799997 0.69521919 -1.9405736
-0.16568585]
Round4031-----squared error: 3.9132 parameter: [18.39799997 0.69519921 -1.9405917
2 -0.16568283]
Round4032-----squared error: 3.9132 parameter: [18.39799997 0.69517925 -1.9406098
1 -0.16567981]

Round4033-----squared error: 3.9132 parameter: [18.39799997 0.6951593 -1.9406278
9 -0.1656768]
Round4034-----squared error: 3.9132 parameter: [18.39799997 0.69513938 -1.9406459
5 -0.16567378]
Round4035-----squared error: 3.9132 parameter: [18.39799997 0.69511948 -1.940664
-0.16567077]
Round4036-----squared error: 3.9132 parameter: [18.39799997 0.69509959 -1.9406820
2 -0.16566776]
Round4037-----squared error: 3.9132 parameter: [18.39799997 0.69507973 -1.9407000
3 -0.16566476]
Round4038-----squared error: 3.9132 parameter: [18.39799997 0.69505988 -1.9407180
2 -0.16566176]
Round4039-----squared error: 3.9132 parameter: [18.39799997 0.69504006 -1.940736
-0.16565876]
Round4040-----squared error: 3.9132 parameter: [18.39799997 0.69502025 -1.9407539
6 -0.16565576]
Round4041-----squared error: 3.9132 parameter: [18.39799997 0.69500046 -1.9407719
-0.16565277]
Round4042-----squared error: 3.9132 parameter: [18.39799997 0.69498069 -1.9407898
2 -0.16564978]
Round4043-----squared error: 3.9132 parameter: [18.39799997 0.69496094 -1.9408077
2 -0.16564679]
Round4044-----squared error: 3.9132 parameter: [18.39799997 0.69494121 -1.9408256
1 -0.16564381]
Round4045-----squared error: 3.9132 parameter: [18.39799997 0.6949215 -1.9408434
8 -0.16564083]
Round4046-----squared error: 3.9132 parameter: [18.39799997 0.6949018 -1.9408613
3 -0.16563785]
Round4047-----squared error: 3.9132 parameter: [18.39799997 0.69488213 -1.9408791
7 -0.16563487]
Round4048-----squared error: 3.9132 parameter: [18.39799997 0.69486247 -1.9408969
9 -0.1656319]
Round4049-----squared error: 3.9132 parameter: [18.39799997 0.69484284 -1.9409147
9 -0.16562893]
Round4050-----squared error: 3.9132 parameter: [18.39799997 0.69482322 -1.9409325
7 -0.16562596]
Round4051-----squared error: 3.9132 parameter: [18.39799997 0.69480362 -1.9409503
4 -0.16562299]
Round4052-----squared error: 3.9132 parameter: [18.39799997 0.69478404 -1.9409680
9 -0.16562003]
Round4053-----squared error: 3.9132 parameter: [18.39799997 0.69476448 -1.9409858
2 -0.16561707]
Round4054-----squared error: 3.9132 parameter: [18.39799997 0.69474494 -1.9410035
4 -0.16561411]
Round4055-----squared error: 3.9132 parameter: [18.39799997 0.69472541 -1.9410212
4 -0.16561116]
Round4056-----squared error: 3.9132 parameter: [18.39799997 0.69470591 -1.9410389
2 -0.16560821]
Round4057-----squared error: 3.9132 parameter: [18.39799997 0.69468642 -1.9410565
8 -0.16560526]
Round4058-----squared error: 3.9132 parameter: [18.39799997 0.69466695 -1.9410742
3 -0.16560231]
Round4059-----squared error: 3.9132 parameter: [18.39799997 0.6946475 -1.9410918
6 -0.16559937]
Round4060-----squared error: 3.9132 parameter: [18.39799997 0.69462807 -1.9411094
8 -0.16559643]
Round4061-----squared error: 3.9132 parameter: [18.39799997 0.69460866 -1.9411270
7 -0.16559349]
Round4062-----squared error: 3.9132 parameter: [18.39799997 0.69458927 -1.9411446
5 -0.16559056]
Round4063-----squared error: 3.9132 parameter: [18.39799997 0.6945699 -1.9411622
2 -0.16558763]
Round4064-----squared error: 3.9132 parameter: [18.39799997 0.69455054 -1.9411797
6 -0.1655847]

Round4065-----squared error: 3.9132 parameter: [18.39799997 0.6945312 -1.9411972
9 -0.16558177]
Round4066-----squared error: 3.9132 parameter: [18.39799998 0.69451189 -1.9412148
-0.16557885]
Round4067-----squared error: 3.9132 parameter: [18.39799998 0.69449259 -1.9412323
-0.16557593]
Round4068-----squared error: 3.9132 parameter: [18.39799998 0.69447331 -1.9412497
7 -0.16557301]
Round4069-----squared error: 3.9132 parameter: [18.39799998 0.69445404 -1.9412672
4 -0.1655701]
Round4070-----squared error: 3.9132 parameter: [18.39799998 0.6944348 -1.9412846
8 -0.16556718]
Round4071-----squared error: 3.9132 parameter: [18.39799998 0.69441557 -1.9413021
1 -0.16556427]
Round4072-----squared error: 3.9132 parameter: [18.39799998 0.69439637 -1.9413195
2 -0.16556137]
Round4073-----squared error: 3.9132 parameter: [18.39799998 0.69437718 -1.9413369
1 -0.16555846]
Round4074-----squared error: 3.9132 parameter: [18.39799998 0.69435801 -1.9413542
9 -0.16555556]
Round4075-----squared error: 3.9132 parameter: [18.39799998 0.69433886 -1.9413716
5 -0.16555266]
Round4076-----squared error: 3.9132 parameter: [18.39799998 0.69431972 -1.9413889
9 -0.16554977]
Round4077-----squared error: 3.9132 parameter: [18.39799998 0.69430061 -1.9414063
2 -0.16554687]
Round4078-----squared error: 3.9132 parameter: [18.39799998 0.69428151 -1.9414236
3 -0.16554398]
Round4079-----squared error: 3.9132 parameter: [18.39799998 0.69426244 -1.9414409
2 -0.16554109]
Round4080-----squared error: 3.9132 parameter: [18.39799998 0.69424338 -1.9414582
-0.16553821]
Round4081-----squared error: 3.9132 parameter: [18.39799998 0.69422434 -1.9414754
6 -0.16553533]
Round4082-----squared error: 3.9132 parameter: [18.39799998 0.69420531 -1.9414927
-0.16553245]
Round4083-----squared error: 3.9132 parameter: [18.39799998 0.69418631 -1.9415099
3 -0.16552957]
Round4084-----squared error: 3.9132 parameter: [18.39799998 0.69416732 -1.9415271
4 -0.1655267]
Round4085-----squared error: 3.9132 parameter: [18.39799998 0.69414835 -1.9415443
4 -0.16552383]
Round4086-----squared error: 3.9132 parameter: [18.39799998 0.6941294 -1.9415615
1 -0.16552096]
Round4087-----squared error: 3.9132 parameter: [18.39799998 0.69411047 -1.9415786
7 -0.16551809]
Round4088-----squared error: 3.9132 parameter: [18.39799998 0.69409156 -1.9415958
2 -0.16551523]
Round4089-----squared error: 3.9132 parameter: [18.39799998 0.69407266 -1.9416129
4 -0.16551237]
Round4090-----squared error: 3.9132 parameter: [18.39799998 0.69405379 -1.9416300
5 -0.16550951]
Round4091-----squared error: 3.9132 parameter: [18.39799998 0.69403493 -1.9416471
5 -0.16550665]
Round4092-----squared error: 3.9132 parameter: [18.39799998 0.69401609 -1.9416642
3 -0.1655038]
Round4093-----squared error: 3.9132 parameter: [18.39799998 0.69399726 -1.9416812
9 -0.16550095]
Round4094-----squared error: 3.9132 parameter: [18.39799998 0.69397846 -1.9416983
3 -0.1654981]
Round4095-----squared error: 3.9132 parameter: [18.39799998 0.69395967 -1.9417153
6 -0.16549526]
Round4096-----squared error: 3.9132 parameter: [18.39799998 0.69394091 -1.9417323
7 -0.16549242]

Round4097-----squared error: 3.9132 parameter: [18.39799998 0.69392216 -1.9417493
7 -0.16548958]
Round4098-----squared error: 3.9132 parameter: [18.39799998 0.69390342 -1.9417663
5 -0.16548674]
Round4099-----squared error: 3.9132 parameter: [18.39799998 0.69388471 -1.9417833
1 -0.16548391]
Round4100-----squared error: 3.9132 parameter: [18.39799998 0.69386601 -1.9418002
6 -0.16548108]
Round4101-----squared error: 3.9132 parameter: [18.39799998 0.69384733 -1.9418171
9 -0.16547825]
Round4102-----squared error: 3.9132 parameter: [18.39799998 0.69382867 -1.9418341
-0.16547542]
Round4103-----squared error: 3.9132 parameter: [18.39799998 0.69381003 -1.941851
-0.1654726]
Round4104-----squared error: 3.9132 parameter: [18.39799998 0.69379141 -1.9418678
8 -0.16546978]
Round4105-----squared error: 3.9132 parameter: [18.39799998 0.6937728 -1.9418847
5 -0.16546696]
Round4106-----squared error: 3.9132 parameter: [18.39799998 0.69375421 -1.9419016
-0.16546415]
Round4107-----squared error: 3.9132 parameter: [18.39799998 0.69373564 -1.9419184
3 -0.16546133]
Round4108-----squared error: 3.9132 parameter: [18.39799998 0.69371709 -1.9419352
4 -0.16545852]
Round4109-----squared error: 3.9132 parameter: [18.39799998 0.69369856 -1.9419520
4 -0.16545572]
Round4110-----squared error: 3.9132 parameter: [18.39799998 0.69368004 -1.9419688
3 -0.16545291]
Round4111-----squared error: 3.9132 parameter: [18.39799998 0.69366154 -1.9419856
-0.16545011]
Round4112-----squared error: 3.9132 parameter: [18.39799998 0.69364306 -1.9420023
5 -0.16544731]
Round4113-----squared error: 3.9132 parameter: [18.39799998 0.69362459 -1.9420190
8 -0.16544452]
Round4114-----squared error: 3.9132 parameter: [18.39799998 0.69360615 -1.9420358
-0.16544172]
Round4115-----squared error: 3.9132 parameter: [18.39799998 0.69358772 -1.9420525
-0.16543893]
Round4116-----squared error: 3.9132 parameter: [18.39799998 0.69356931 -1.9420691
9 -0.16543614]
Round4117-----squared error: 3.9132 parameter: [18.39799998 0.69355092 -1.9420858
6 -0.16543336]
Round4118-----squared error: 3.9132 parameter: [18.39799998 0.69353254 -1.9421025
2 -0.16543057]
Round4119-----squared error: 3.9132 parameter: [18.39799998 0.69351418 -1.9421191
6 -0.16542779]
Round4120-----squared error: 3.9132 parameter: [18.39799998 0.69349585 -1.9421357
8 -0.16542501]
Round4121-----squared error: 3.9132 parameter: [18.39799998 0.69347752 -1.9421523
8 -0.16542224]
Round4122-----squared error: 3.9132 parameter: [18.39799998 0.69345922 -1.9421689
8 -0.16541947]
Round4123-----squared error: 3.9132 parameter: [18.39799998 0.69344093 -1.9421855
5 -0.1654167]
Round4124-----squared error: 3.9132 parameter: [18.39799998 0.69342266 -1.9422021
1 -0.16541393]
Round4125-----squared error: 3.9132 parameter: [18.39799998 0.69340441 -1.9422186
5 -0.16541116]
Round4126-----squared error: 3.9132 parameter: [18.39799998 0.69338618 -1.9422351
8 -0.1654084]
Round4127-----squared error: 3.9132 parameter: [18.39799998 0.69336796 -1.9422516
9 -0.16540564]
Round4128-----squared error: 3.9132 parameter: [18.39799998 0.69334976 -1.9422681
8 -0.16540288]

Round4129-----squared error: 3.9132 parameter: [18.39799998 0.69333158 -1.9422846
6 -0.16540013]
Round4130-----squared error: 3.9132 parameter: [18.39799998 0.69331342 -1.9423011
3 -0.16539738]
Round4131-----squared error: 3.9132 parameter: [18.39799998 0.69329527 -1.9423175
7 -0.16539463]
Round4132-----squared error: 3.9132 parameter: [18.39799998 0.69327714 -1.942334
-0.16539188]
Round4133-----squared error: 3.9132 parameter: [18.39799998 0.69325903 -1.9423504
2 -0.16538914]
Round4134-----squared error: 3.9132 parameter: [18.39799998 0.69324094 -1.9423668
2 -0.1653864]
Round4135-----squared error: 3.9132 parameter: [18.39799998 0.69322286 -1.9423832
-0.16538366]
Round4136-----squared error: 3.9132 parameter: [18.39799998 0.6932048 -1.9423995
7 -0.16538092]
Round4137-----squared error: 3.9132 parameter: [18.39799998 0.69318676 -1.9424159
2 -0.16537819]
Round4138-----squared error: 3.9132 parameter: [18.39799998 0.69316873 -1.9424322
6 -0.16537546]
Round4139-----squared error: 3.9132 parameter: [18.39799998 0.69315073 -1.9424485
8 -0.16537273]
Round4140-----squared error: 3.9132 parameter: [18.39799998 0.69313274 -1.9424648
8 -0.16537]
Round4141-----squared error: 3.9132 parameter: [18.39799998 0.69311476 -1.9424811
7 -0.16536728]
Round4142-----squared error: 3.9132 parameter: [18.39799998 0.69309681 -1.9424974
5 -0.16536456]
Round4143-----squared error: 3.9132 parameter: [18.39799998 0.69307887 -1.9425137
1 -0.16536184]
Round4144-----squared error: 3.9132 parameter: [18.39799998 0.69306095 -1.9425299
5 -0.16535912]
Round4145-----squared error: 3.9132 parameter: [18.39799998 0.69304305 -1.9425461
7 -0.16535641]
Round4146-----squared error: 3.9132 parameter: [18.39799998 0.69302516 -1.9425623
8 -0.1653537]
Round4147-----squared error: 3.9132 parameter: [18.39799998 0.69300729 -1.9425785
8 -0.16535099]
Round4148-----squared error: 3.9132 parameter: [18.39799998 0.69298944 -1.9425947
6 -0.16534829]
Round4149-----squared error: 3.9132 parameter: [18.39799998 0.6929716 -1.9426109
2 -0.16534558]
Round4150-----squared error: 3.9132 parameter: [18.39799998 0.69295379 -1.9426270
7 -0.16534288]
Round4151-----squared error: 3.9132 parameter: [18.39799998 0.69293599 -1.9426432
-0.16534019]
Round4152-----squared error: 3.9132 parameter: [18.39799998 0.6929182 -1.9426593
2 -0.16533749]
Round4153-----squared error: 3.9132 parameter: [18.39799998 0.69290044 -1.9426754
2 -0.1653348]
Round4154-----squared error: 3.9132 parameter: [18.39799998 0.69288269 -1.9426915
1 -0.16533211]
Round4155-----squared error: 3.9132 parameter: [18.39799998 0.69286495 -1.9427075
8 -0.16532942]
Round4156-----squared error: 3.9132 parameter: [18.39799998 0.69284724 -1.9427236
4 -0.16532674]
Round4157-----squared error: 3.9132 parameter: [18.39799998 0.69282954 -1.9427396
8 -0.16532405]
Round4158-----squared error: 3.9132 parameter: [18.39799998 0.69281186 -1.9427557
-0.16532137]
Round4159-----squared error: 3.9132 parameter: [18.39799998 0.6927942 -1.9427717
1 -0.1653187]
Round4160-----squared error: 3.9132 parameter: [18.39799998 0.69277655 -1.9427877
-0.16531602]

Round4161-----squared error: 3.9132 parameter: [18.39799998 0.69275892 -1.9428036
8 -0.16531335]
Round4162-----squared error: 3.9132 parameter: [18.39799998 0.69274131 -1.9428196
4 -0.16531068]
Round4163-----squared error: 3.9132 parameter: [18.39799998 0.69272371 -1.9428355
9 -0.16530801]
Round4164-----squared error: 3.9132 parameter: [18.39799998 0.69270613 -1.9428515
2 -0.16530535]
Round4165-----squared error: 3.9132 parameter: [18.39799998 0.69268857 -1.9428674
4 -0.16530269]
Round4166-----squared error: 3.9132 parameter: [18.39799998 0.69267102 -1.9428833
4 -0.16530003]
Round4167-----squared error: 3.9132 parameter: [18.39799998 0.6926535 -1.9428992
2 -0.16529737]
Round4168-----squared error: 3.9132 parameter: [18.39799999 0.69263599 -1.9429150
9 -0.16529471]
Round4169-----squared error: 3.9132 parameter: [18.39799999 0.69261849 -1.9429309
5 -0.16529206]
Round4170-----squared error: 3.9132 parameter: [18.39799999 0.69260101 -1.9429467
9 -0.16528941]
Round4171-----squared error: 3.9132 parameter: [18.39799999 0.69258355 -1.9429626
1 -0.16528677]
Round4172-----squared error: 3.9132 parameter: [18.39799999 0.69256611 -1.9429784
2 -0.16528412]
Round4173-----squared error: 3.9132 parameter: [18.39799999 0.69254868 -1.9429942
2 -0.16528148]
Round4174-----squared error: 3.9132 parameter: [18.39799999 0.69253127 -1.94301
-0.16527884]
Round4175-----squared error: 3.9132 parameter: [18.39799999 0.69251388 -1.9430257
6 -0.1652762]
Round4176-----squared error: 3.9132 parameter: [18.39799999 0.6924965 -1.9430415
1 -0.16527357]
Round4177-----squared error: 3.9132 parameter: [18.39799999 0.69247914 -1.9430572
4 -0.16527094]
Round4178-----squared error: 3.9132 parameter: [18.39799999 0.69246179 -1.9430729
6 -0.16526831]
Round4179-----squared error: 3.9132 parameter: [18.39799999 0.69244447 -1.9430886
6 -0.16526568]
Round4180-----squared error: 3.9132 parameter: [18.39799999 0.69242716 -1.9431043
5 -0.16526306]
Round4181-----squared error: 3.9132 parameter: [18.39799999 0.69240986 -1.9431200
2 -0.16526043]
Round4182-----squared error: 3.9132 parameter: [18.39799999 0.69239259 -1.9431356
8 -0.16525781]
Round4183-----squared error: 3.9132 parameter: [18.39799999 0.69237533 -1.9431513
2 -0.1652552]
Round4184-----squared error: 3.9132 parameter: [18.39799999 0.69235808 -1.9431669
5 -0.16525258]
Round4185-----squared error: 3.9132 parameter: [18.39799999 0.69234085 -1.9431825
6 -0.16524997]
Round4186-----squared error: 3.9132 parameter: [18.39799999 0.69232364 -1.9431981
6 -0.16524736]
Round4187-----squared error: 3.9132 parameter: [18.39799999 0.69230645 -1.9432137
4 -0.16524475]
Round4188-----squared error: 3.9132 parameter: [18.39799999 0.69228927 -1.9432293
1 -0.16524215]
Round4189-----squared error: 3.9132 parameter: [18.39799999 0.69227211 -1.9432448
6 -0.16523955]
Round4190-----squared error: 3.9132 parameter: [18.39799999 0.69225497 -1.9432604
-0.16523695]
Round4191-----squared error: 3.9132 parameter: [18.39799999 0.69223784 -1.9432759
2 -0.16523435]
Round4192-----squared error: 3.9132 parameter: [18.39799999 0.69222073 -1.9432914
2 -0.16523175]

Round4193-----squared error: 3.9132 parameter: [18.39799999 0.69220363 -1.9433069
2 -0.16522916]
Round4194-----squared error: 3.9132 parameter: [18.39799999 0.69218655 -1.9433223
9 -0.16522657]
Round4195-----squared error: 3.9132 parameter: [18.39799999 0.69216949 -1.9433378
6 -0.16522398]
Round4196-----squared error: 3.9132 parameter: [18.39799999 0.69215245 -1.9433533
-0.1652214]
Round4197-----squared error: 3.9132 parameter: [18.39799999 0.69213542 -1.9433687
4 -0.16521882]
Round4198-----squared error: 3.9132 parameter: [18.39799999 0.6921184 -1.9433841
5 -0.16521624]
Round4199-----squared error: 3.9132 parameter: [18.39799999 0.69210141 -1.9433995
6 -0.16521366]
Round4200-----squared error: 3.9132 parameter: [18.39799999 0.69208443 -1.9434149
4 -0.16521108]
Round4201-----squared error: 3.9132 parameter: [18.39799999 0.69206746 -1.9434303
2 -0.16520851]
Round4202-----squared error: 3.9132 parameter: [18.39799999 0.69205051 -1.9434456
8 -0.16520594]
Round4203-----squared error: 3.9132 parameter: [18.39799999 0.69203358 -1.9434610
2 -0.16520337]
Round4204-----squared error: 3.9132 parameter: [18.39799999 0.69201667 -1.9434763
5 -0.16520081]
Round4205-----squared error: 3.9132 parameter: [18.39799999 0.69199977 -1.9434916
6 -0.16519824]
Round4206-----squared error: 3.9132 parameter: [18.39799999 0.69198289 -1.9435069
6 -0.16519568]
Round4207-----squared error: 3.9132 parameter: [18.39799999 0.69196602 -1.9435222
4 -0.16519312]
Round4208-----squared error: 3.9132 parameter: [18.39799999 0.69194917 -1.9435375
1 -0.16519057]
Round4209-----squared error: 3.9132 parameter: [18.39799999 0.69193234 -1.9435527
7 -0.16518801]
Round4210-----squared error: 3.9132 parameter: [18.39799999 0.69191552 -1.9435680
1 -0.16518546]
Round4211-----squared error: 3.9132 parameter: [18.39799999 0.69189872 -1.9435832
3 -0.16518292]
Round4212-----squared error: 3.9132 parameter: [18.39799999 0.69188193 -1.9435984
5 -0.16518037]
Round4213-----squared error: 3.9132 parameter: [18.39799999 0.69186516 -1.9436136
4 -0.16517783]
Round4214-----squared error: 3.9132 parameter: [18.39799999 0.69184841 -1.9436288
2 -0.16517528]
Round4215-----squared error: 3.9132 parameter: [18.39799999 0.69183167 -1.9436439
9 -0.16517275]
Round4216-----squared error: 3.9132 parameter: [18.39799999 0.69181495 -1.9436591
4 -0.16517021]
Round4217-----squared error: 3.9132 parameter: [18.39799999 0.69179825 -1.9436742
8 -0.16516767]
Round4218-----squared error: 3.9132 parameter: [18.39799999 0.69178156 -1.9436894
-0.16516514]
Round4219-----squared error: 3.9132 parameter: [18.39799999 0.69176489 -1.9437045
1 -0.16516261]
Round4220-----squared error: 3.9132 parameter: [18.39799999 0.69174823 -1.9437196
-0.16516009]
Round4221-----squared error: 3.9132 parameter: [18.39799999 0.69173159 -1.9437346
8 -0.16515756]
Round4222-----squared error: 3.9132 parameter: [18.39799999 0.69171497 -1.9437497
5 -0.16515504]
Round4223-----squared error: 3.9132 parameter: [18.39799999 0.69169836 -1.9437648
-0.16515252]
Round4224-----squared error: 3.9132 parameter: [18.39799999 0.69168177 -1.9437798
3 -0.16515]

Round4225-----squared error: 3.9132 parameter: [18.39799999 0.69166519 -1.9437948
6 -0.16514749]
Round4226-----squared error: 3.9132 parameter: [18.39799999 0.69164863 -1.9438098
6 -0.16514498]
Round4227-----squared error: 3.9132 parameter: [18.39799999 0.69163208 -1.9438248
6 -0.16514247]
Round4228-----squared error: 3.9132 parameter: [18.39799999 0.69161556 -1.9438398
3 -0.16513996]
Round4229-----squared error: 3.9132 parameter: [18.39799999 0.69159904 -1.9438548
-0.16513745]
Round4230-----squared error: 3.9132 parameter: [18.39799999 0.69158255 -1.9438697
5 -0.16513495]
Round4231-----squared error: 3.9132 parameter: [18.39799999 0.69156607 -1.9438846
8 -0.16513245]
Round4232-----squared error: 3.9132 parameter: [18.39799999 0.6915496 -1.9438996
-0.16512995]
Round4233-----squared error: 3.9132 parameter: [18.39799999 0.69153315 -1.9439145
1 -0.16512746]
Round4234-----squared error: 3.9132 parameter: [18.39799999 0.69151672 -1.9439294
-0.16512496]
Round4235-----squared error: 3.9132 parameter: [18.39799999 0.6915003 -1.9439442
7 -0.16512247]
Round4236-----squared error: 3.9132 parameter: [18.39799999 0.6914839 -1.9439591
4 -0.16511998]
Round4237-----squared error: 3.9132 parameter: [18.39799999 0.69146751 -1.9439739
8 -0.1651175]
Round4238-----squared error: 3.9132 parameter: [18.39799999 0.69145114 -1.9439888
2 -0.16511501]
Round4239-----squared error: 3.9132 parameter: [18.39799999 0.69143479 -1.9440036
4 -0.16511253]
Round4240-----squared error: 3.9132 parameter: [18.39799999 0.69141845 -1.9440184
4 -0.16511005]
Round4241-----squared error: 3.9132 parameter: [18.39799999 0.69140213 -1.9440332
4 -0.16510757]
Round4242-----squared error: 3.9132 parameter: [18.39799999 0.69138582 -1.9440480
1 -0.1651051]
Round4243-----squared error: 3.9132 parameter: [18.39799999 0.69136953 -1.9440627
7 -0.16510263]
Round4244-----squared error: 3.9132 parameter: [18.39799999 0.69135325 -1.9440775
2 -0.16510016]
Round4245-----squared error: 3.9132 parameter: [18.39799999 0.69133699 -1.9440922
6 -0.16509769]
Round4246-----squared error: 3.9132 parameter: [18.39799999 0.69132075 -1.9441069
8 -0.16509522]
Round4247-----squared error: 3.9132 parameter: [18.39799999 0.69130452 -1.9441216
8 -0.16509276]
Round4248-----squared error: 3.9132 parameter: [18.39799999 0.6912883 -1.9441363
7 -0.1650903]
Round4249-----squared error: 3.9132 parameter: [18.39799999 0.69127211 -1.9441510
5 -0.16508784]
Round4250-----squared error: 3.9132 parameter: [18.39799999 0.69125592 -1.9441657
2 -0.16508539]
Round4251-----squared error: 3.9132 parameter: [18.39799999 0.69123976 -1.9441803
6 -0.16508293]
Round4252-----squared error: 3.9132 parameter: [18.39799999 0.69122361 -1.944195
-0.16508048]
Round4253-----squared error: 3.9132 parameter: [18.39799999 0.69120747 -1.9442096
2 -0.16507803]
Round4254-----squared error: 3.9132 parameter: [18.39799999 0.69119135 -1.9442242
3 -0.16507559]
Round4255-----squared error: 3.9132 parameter: [18.39799999 0.69117525 -1.9442388
2 -0.16507314]
Round4256-----squared error: 3.9132 parameter: [18.39799999 0.69115916 -1.9442534
-0.1650707]

Round4257-----squared error: 3.9132 parameter: [18.39799999 0.69114308 -1.9442679
6 -0.16506826]
Round4258-----squared error: 3.9132 parameter: [18.39799999 0.69112703 -1.9442825
1 -0.16506582]
Round4259-----squared error: 3.9132 parameter: [18.39799999 0.69111098 -1.9442970
5 -0.16506339]
Round4260-----squared error: 3.9132 parameter: [18.39799999 0.69109496 -1.9443115
7 -0.16506096]
Round4261-----squared error: 3.9132 parameter: [18.39799999 0.69107894 -1.9443260
8 -0.16505852]
Round4262-----squared error: 3.9132 parameter: [18.39799999 0.69106295 -1.9443405
8 -0.1650561]
Round4263-----squared error: 3.9132 parameter: [18.39799999 0.69104697 -1.9443550
6 -0.16505367]
Round4264-----squared error: 3.9132 parameter: [18.39799999 0.691031 -1.9443695
2 -0.16505125]
Round4265-----squared error: 3.9132 parameter: [18.39799999 0.69101505 -1.9443839
8 -0.16504883]
Round4266-----squared error: 3.9132 parameter: [18.39799999 0.69099912 -1.9443984
1 -0.16504641]
Round4267-----squared error: 3.9132 parameter: [18.39799999 0.6909832 -1.9444128
4 -0.16504399]
Round4268-----squared error: 3.9132 parameter: [18.39799999 0.69096729 -1.9444272
5 -0.16504158]
Round4269-----squared error: 3.9132 parameter: [18.39799999 0.6909514 -1.9444416
5 -0.16503916]
Round4270-----squared error: 3.9132 parameter: [18.39799999 0.69093553 -1.9444560
3 -0.16503676]
Round4271-----squared error: 3.9132 parameter: [18.39799999 0.69091967 -1.9444704
-0.16503435]
Round4272-----squared error: 3.9132 parameter: [18.39799999 0.69090383 -1.9444847
6 -0.16503194]
Round4273-----squared error: 3.9132 parameter: [18.39799999 0.690888 -1.9444991
-0.16502954]
Round4274-----squared error: 3.9132 parameter: [18.39799999 0.69087219 -1.9445134
2 -0.16502714]
Round4275-----squared error: 3.9132 parameter: [18.39799999 0.69085639 -1.9445277
4 -0.16502474]
Round4276-----squared error: 3.9132 parameter: [18.39799999 0.69084061 -1.9445420
4 -0.16502235]
Round4277-----squared error: 3.9132 parameter: [18.39799999 0.69082484 -1.9445563
2 -0.16501995]
Round4278-----squared error: 3.9132 parameter: [18.39799999 0.69080909 -1.9445706
-0.16501756]
Round4279-----squared error: 3.9132 parameter: [18.39799999 0.69079335 -1.9445848
6 -0.16501517]
Round4280-----squared error: 3.9132 parameter: [18.39799999 0.69077763 -1.9445991
-0.16501278]
Round4281-----squared error: 3.9132 parameter: [18.39799999 0.69076193 -1.9446133
3 -0.1650104]
Round4282-----squared error: 3.9132 parameter: [18.39799999 0.69074623 -1.9446275
5 -0.16500802]
Round4283-----squared error: 3.9132 parameter: [18.39799999 0.69073056 -1.9446417
5 -0.16500564]
Round4284-----squared error: 3.9132 parameter: [18.39799999 0.6907149 -1.9446559
4 -0.16500326]
Round4285-----squared error: 3.9132 parameter: [18.39799999 0.69069925 -1.9446701
2 -0.16500088]
Round4286-----squared error: 3.9132 parameter: [18.39799999 0.69068362 -1.9446842
8 -0.16499851]
Round4287-----squared error: 3.9132 parameter: [18.39799999 0.690668 -1.9446984
3 -0.16499614]
Round4288-----squared error: 3.9132 parameter: [18.39799999 0.6906524 -1.9447125
7 -0.16499377]

Round4289-----squared error: 3.9132 parameter: [18.39799999 0.69063682 -1.9447266
9 -0.1649914]
Round4290-----squared error: 3.9132 parameter: [18.39799999 0.69062125 -1.9447408
-0.16498904]
Round4291-----squared error: 3.9132 parameter: [18.39799999 0.69060569 -1.9447548
9 -0.16498668]
Round4292-----squared error: 3.9132 parameter: [18.39799999 0.69059015 -1.9447689
7 -0.16498432]
Round4293-----squared error: 3.9132 parameter: [18.39799999 0.69057462 -1.9447830
4 -0.16498196]
Round4294-----squared error: 3.9132 parameter: [18.39799999 0.69055911 -1.9447971
-0.16497961]
Round4295-----squared error: 3.9132 parameter: [18.39799999 0.69054362 -1.9448111
4 -0.16497725]
Round4296-----squared error: 3.9132 parameter: [18.39799999 0.69052814 -1.9448251
6 -0.1649749]
Round4297-----squared error: 3.9132 parameter: [18.39799999 0.69051267 -1.9448391
8 -0.16497255]
Round4298-----squared error: 3.9132 parameter: [18.39799999 0.69049722 -1.9448531
8 -0.16497021]
Round4299-----squared error: 3.9132 parameter: [18.39799999 0.69048178 -1.9448671
6 -0.16496786]
Round4300-----squared error: 3.9132 parameter: [18.39799999 0.69046636 -1.9448811
4 -0.16496552]
Round4301-----squared error: 3.9132 parameter: [18.39799999 0.69045095 -1.9448951
-0.16496318]
Round4302-----squared error: 3.9132 parameter: [18.39799999 0.69043556 -1.9449090
4 -0.16496084]
Round4303-----squared error: 3.9132 parameter: [18.39799999 0.69042018 -1.9449229
7 -0.16495851]
Round4304-----squared error: 3.9132 parameter: [18.39799999 0.69040482 -1.9449368
9 -0.16495617]
Round4305-----squared error: 3.9132 parameter: [18.39799999 0.69038947 -1.9449508
-0.16495384]
Round4306-----squared error: 3.9132 parameter: [18.39799999 0.69037414 -1.9449646
9 -0.16495152]
Round4307-----squared error: 3.9132 parameter: [18.39799999 0.69035882 -1.9449785
7 -0.16494919]
Round4308-----squared error: 3.9132 parameter: [18.39799999 0.69034352 -1.9449924
4 -0.16494686]
Round4309-----squared error: 3.9132 parameter: [18.39799999 0.69032823 -1.9450062
9 -0.16494454]
Round4310-----squared error: 3.9132 parameter: [18.39799999 0.69031296 -1.9450201
3 -0.16494222]
Round4311-----squared error: 3.9132 parameter: [18.39799999 0.6902977 -1.9450339
5 -0.16493991]
Round4312-----squared error: 3.9132 parameter: [18.39799999 0.69028245 -1.9450477
6 -0.16493759]
Round4313-----squared error: 3.9132 parameter: [18.39799999 0.69026722 -1.9450615
6 -0.16493528]
Round4314-----squared error: 3.9132 parameter: [18.39799999 0.69025201 -1.9450753
5 -0.16493297]
Round4315-----squared error: 3.9132 parameter: [18.39799999 0.69023681 -1.9450891
2 -0.16493066]
Round4316-----squared error: 3.9132 parameter: [18.39799999 0.69022162 -1.9451028
8 -0.16492835]
Round4317-----squared error: 3.9132 parameter: [18.39799999 0.69020645 -1.9451166
3 -0.16492605]
Round4318-----squared error: 3.9132 parameter: [18.39799999 0.69019129 -1.9451303
6 -0.16492374]
Round4319-----squared error: 3.9132 parameter: [18.39799999 0.69017615 -1.9451440
8 -0.16492144]
Round4320-----squared error: 3.9132 parameter: [18.39799999 0.69016102 -1.9451577
8 -0.16491915]

Round4321-----squared error: 3.9132 parameter: [18.39799999 0.69014591 -1.9451714
8 -0.16491685]
Round4322-----squared error: 3.9132 parameter: [18.39799999 0.69013081 -1.9451851
5 -0.16491456]
Round4323-----squared error: 3.9132 parameter: [18.39799999 0.69011573 -1.9451988
2 -0.16491227]
Round4324-----squared error: 3.9132 parameter: [18.39799999 0.69010066 -1.9452124
7 -0.16490998]
Round4325-----squared error: 3.9132 parameter: [18.39799999 0.69008561 -1.9452261
1 -0.16490769]
Round4326-----squared error: 3.9132 parameter: [18.39799999 0.69007057 -1.9452397
4 -0.16490541]
Round4327-----squared error: 3.9132 parameter: [18.39799999 0.69005554 -1.9452533
6 -0.16490312]
Round4328-----squared error: 3.9132 parameter: [18.39799999 0.69004053 -1.9452669
6 -0.16490084]
Round4329-----squared error: 3.9132 parameter: [18.39799999 0.69002553 -1.9452805
4 -0.16489857]
Round4330-----squared error: 3.9132 parameter: [18.39799999 0.69001055 -1.9452941
2 -0.16489629]
Round4331-----squared error: 3.9132 parameter: [18.39799999 0.68999558 -1.9453076
8 -0.16489402]
Round4332-----squared error: 3.9132 parameter: [18.39799999 0.68998063 -1.9453212
3 -0.16489174]
Round4333-----squared error: 3.9132 parameter: [18.39799999 0.68996569 -1.9453347
6 -0.16488947]
Round4334-----squared error: 3.9132 parameter: [18.39799999 0.68995076 -1.9453482
8 -0.16488721]
Round4335-----squared error: 3.9132 parameter: [18.39799999 0.68993585 -1.9453617
9 -0.16488494]
Round4336-----squared error: 3.9132 parameter: [18.39799999 0.68992096 -1.9453752
9 -0.16488268]
Round4337-----squared error: 3.9132 parameter: [18.39799999 0.68990607 -1.9453887
7 -0.16488042]
Round4338-----squared error: 3.9131 parameter: [18.39799999 0.68989121 -1.9454022
4 -0.16487816]
Round4339-----squared error: 3.9131 parameter: [18.39799999 0.68987635 -1.9454157
-0.1648759]
Round4340-----squared error: 3.9131 parameter: [18.39799999 0.68986151 -1.9454291
4 -0.16487365]
Round4341-----squared error: 3.9131 parameter: [18.39799999 0.68984669 -1.9454425
8 -0.1648714]
Round4342-----squared error: 3.9131 parameter: [18.39799999 0.68983188 -1.9454559
9 -0.16486915]
Round4343-----squared error: 3.9131 parameter: [18.39799999 0.68981708 -1.9454694
-0.1648669]
Round4344-----squared error: 3.9131 parameter: [18.39799999 0.6898023 -1.9454827
9 -0.16486465]
Round4345-----squared error: 3.9131 parameter: [18.39799999 0.68978753 -1.9454961
7 -0.16486241]
Round4346-----squared error: 3.9131 parameter: [18.39799999 0.68977278 -1.9455095
4 -0.16486017]
Round4347-----squared error: 3.9131 parameter: [18.39799999 0.68975804 -1.9455228
9 -0.16485793]
Round4348-----squared error: 3.9131 parameter: [18.39799999 0.68974332 -1.9455362
3 -0.16485569]
Round4349-----squared error: 3.9131 parameter: [18.39799999 0.6897286 -1.9455495
6 -0.16485345]
Round4350-----squared error: 3.9131 parameter: [18.39799999 0.68971391 -1.9455628
7 -0.16485122]
Round4351-----squared error: 3.9131 parameter: [18.39799999 0.68969922 -1.9455761
8 -0.16484899]
Round4352-----squared error: 3.9131 parameter: [18.39799999 0.68968456 -1.9455894
7 -0.16484676]

Round4353-----squared error: 3.9131 parameter: [18.39799999 0.6896699 -1.9456027
4 -0.16484454]
Round4354-----squared error: 3.9131 parameter: [18.39799999 0.68965526 -1.9456160
1 -0.16484231]
Round4355-----squared error: 3.9131 parameter: [18.39799999 0.68964064 -1.9456292
6 -0.16484009]
Round4356-----squared error: 3.9131 parameter: [18.39799999 0.68962602 -1.9456425
-0.16483787]
Round4357-----squared error: 3.9131 parameter: [18.39799999 0.68961143 -1.9456557
2 -0.16483565]
Round4358-----squared error: 3.9131 parameter: [18.39799999 0.68959684 -1.9456689
3 -0.16483343]
Round4359-----squared error: 3.9131 parameter: [18.39799999 0.68958227 -1.9456821
3 -0.16483122]
Round4360-----squared error: 3.9131 parameter: [18.39799999 0.68956772 -1.9456953
2 -0.16482901]
Round4361-----squared error: 3.9131 parameter: [18.39799999 0.68955317 -1.9457085
-0.1648268]
Round4362-----squared error: 3.9131 parameter: [18.39799999 0.68953865 -1.9457216
6 -0.16482459]
Round4363-----squared error: 3.9131 parameter: [18.39799999 0.68952413 -1.9457348
1 -0.16482238]
Round4364-----squared error: 3.9131 parameter: [18.39799999 0.68950963 -1.9457479
4 -0.16482018]
Round4365-----squared error: 3.9131 parameter: [18.39799999 0.68949515 -1.9457610
7 -0.16481798]
Round4366-----squared error: 3.9131 parameter: [18.39799999 0.68948067 -1.9457741
8 -0.16481578]
Round4367-----squared error: 3.9131 parameter: [18.39799999 0.68946622 -1.9457872
8 -0.16481358]
Round4368-----squared error: 3.9131 parameter: [18.39799999 0.68945177 -1.9458003
6 -0.16481139]
Round4369-----squared error: 3.9131 parameter: [18.39799999 0.68943734 -1.9458134
4 -0.1648092]
Round4370-----squared error: 3.9131 parameter: [18.39799999 0.68942292 -1.9458265
-0.164807]
Round4371-----squared error: 3.9131 parameter: [18.39799999 0.68940852 -1.9458395
5 -0.16480482]
Round4372-----squared error: 3.9131 parameter: [18.39799999 0.68939413 -1.9458525
8 -0.16480263]
Round4373-----squared error: 3.9131 parameter: [18.39799999 0.68937976 -1.9458656
-0.16480044]
Round4374-----squared error: 3.9131 parameter: [18.39799999 0.6893654 -1.9458786
1 -0.16479826]
Round4375-----squared error: 3.9131 parameter: [18.39799999 0.68935105 -1.9458916
1 -0.16479608]
Round4376-----squared error: 3.9131 parameter: [18.39799999 0.68933672 -1.9459046
-0.1647939]
Round4377-----squared error: 3.9131 parameter: [18.39799999 0.6893224 -1.9459175
7 -0.16479173]
Round4378-----squared error: 3.9131 parameter: [18.39799999 0.68930809 -1.9459305
3 -0.16478955]
Round4379-----squared error: 3.9131 parameter: [18.39799999 0.6892938 -1.9459434
8 -0.16478738]
Round4380-----squared error: 3.9131 parameter: [18.39799999 0.68927952 -1.9459564
1 -0.16478521]
Round4381-----squared error: 3.9131 parameter: [18.39799999 0.68926526 -1.9459693
4 -0.16478304]
Round4382-----squared error: 3.9131 parameter: [18.39799999 0.68925101 -1.9459822
5 -0.16478088]
Round4383-----squared error: 3.9131 parameter: [18.39799999 0.68923677 -1.9459951
5 -0.16477871]
Round4384-----squared error: 3.9131 parameter: [18.39799999 0.68922255 -1.9460080
3 -0.16477655]

Round4385-----squared error: 3.9131 parameter: [18.39799999 0.68920834 -1.9460209
 -0.16477439]
 Round4386-----squared error: 3.9131 parameter: [18.39799999 0.68919414 -1.9460337
 7 -0.16477223]
 Round4387-----squared error: 3.9131 parameter: [18.398 0.68917996 -1.9460466
 1 -0.16477008]
 Round4388-----squared error: 3.9131 parameter: [18.398 0.68916579 -1.9460594
 5 -0.16476792]
 Round4389-----squared error: 3.9131 parameter: [18.398 0.68915163 -1.9460722
 7 -0.16476577]
 Round4390-----squared error: 3.9131 parameter: [18.398 0.68913749 -1.9460850
 8 -0.16476362]
 Round4391-----squared error: 3.9131 parameter: [18.398 0.68912336 -1.9460978
 8 -0.16476147]
 Round4392-----squared error: 3.9131 parameter: [18.398 0.68910925 -1.9461106
 7 -0.16475933]
 Round4393-----squared error: 3.9131 parameter: [18.398 0.68909515 -1.9461234
 4 -0.16475719]
 Round4394-----squared error: 3.9131 parameter: [18.398 0.68908106 -1.9461362
 1 -0.16475504]
 Round4395-----squared error: 3.9131 parameter: [18.398 0.68906699 -1.9461489
 6 -0.1647529]
 Round4396-----squared error: 3.9131 parameter: [18.398 0.68905293 -1.9461616
 9 -0.16475077]
 Round4397-----squared error: 3.9131 parameter: [18.398 0.68903888 -1.9461744
 2 -0.16474863]
 Round4398-----squared error: 3.9131 parameter: [18.398 0.68902485 -1.9461871
 3 -0.1647465]
 Round4399-----squared error: 3.9131 parameter: [18.398 0.68901083 -1.9461998
 3 -0.16474437]
 Round4400-----squared error: 3.9131 parameter: [18.398 0.68899682 -1.9462125
 2 -0.16474224]
 Round4401-----squared error: 3.9131 parameter: [18.398 0.68898283 -1.9462252
 -0.16474011]
 Round4402-----squared error: 3.9131 parameter: [18.398 0.68896885 -1.9462378
 6 -0.16473799]
 Round4403-----squared error: 3.9131 parameter: [18.398 0.68895489 -1.9462505
 1 -0.16473586]
 Round4404-----squared error: 3.9131 parameter: [18.398 0.68894093 -1.9462631
 5 -0.16473374]
 Round4405-----squared error: 3.9131 parameter: [18.398 0.688927 -1.9462757
 8 -0.16473162]
 Round4406-----squared error: 3.9131 parameter: [18.398 0.68891307 -1.9462883
 9 -0.16472951]
 Round4407-----squared error: 3.9131 parameter: [18.398 0.68889916 -1.946301
 -0.16472739]
 Round4408-----squared error: 3.9131 parameter: [18.398 0.68888526 -1.9463135
 9 -0.16472528]
 Round4409-----squared error: 3.9131 parameter: [18.398 0.68887138 -1.9463261
 7 -0.16472317]
 Round4410-----squared error: 3.9131 parameter: [18.398 0.6888575 -1.9463387
 3 -0.16472106]
 Round4411-----squared error: 3.9131 parameter: [18.398 0.68884365 -1.9463512
 9 -0.16471895]
 Round4412-----squared error: 3.9131 parameter: [18.398 0.6888298 -1.9463638
 3 -0.16471685]
 Round4413-----squared error: 3.9131 parameter: [18.398 0.68881597 -1.9463763
 6 -0.16471474]
 Round4414-----squared error: 3.9131 parameter: [18.398 0.68880215 -1.9463888
 8 -0.16471264]
 Round4415-----squared error: 3.9131 parameter: [18.398 0.68878835 -1.9464013
 8 -0.16471054]
 Round4416-----squared error: 3.9131 parameter: [18.398 0.68877455 -1.9464138
 8 -0.16470845]

Round4417-----squared error: 3.9131 parameter: [18.398 6 -0.16470635]	0.68876077 -1.9464263
Round4418-----squared error: 3.9131 parameter: [18.398 3 -0.16470426]	0.68874701 -1.9464388
Round4419-----squared error: 3.9131 parameter: [18.398 9 -0.16470217]	0.68873326 -1.9464512
Round4420-----squared error: 3.9131 parameter: [18.398 3 -0.16470008]	0.68871952 -1.9464637
Round4421-----squared error: 3.9131 parameter: [18.398 7 -0.16469799]	0.68870579 -1.9464761
Round4422-----squared error: 3.9131 parameter: [18.398 9 -0.16469591]	0.68869208 -1.9464885
Round4423-----squared error: 3.9131 parameter: [18.398 -0.16469382]	0.68867838 -1.946501
Round4424-----squared error: 3.9131 parameter: [18.398 -0.16469174]	0.6886647 -1.9465134
Round4425-----squared error: 3.9131 parameter: [18.398 8 -0.16468966]	0.68865102 -1.9465257
Round4426-----squared error: 3.9131 parameter: [18.398 6 -0.16468759]	0.68863736 -1.9465381
Round4427-----squared error: 3.9131 parameter: [18.398 2 -0.16468551]	0.68862372 -1.9465505
Round4428-----squared error: 3.9131 parameter: [18.398 7 -0.16468344]	0.68861008 -1.9465628
Round4429-----squared error: 3.9131 parameter: [18.398 1 -0.16468137]	0.68859646 -1.9465752
Round4430-----squared error: 3.9131 parameter: [18.398 4 -0.1646793]	0.68858286 -1.9465875
Round4431-----squared error: 3.9131 parameter: [18.398 5 -0.16467723]	0.68856926 -1.9465998
Round4432-----squared error: 3.9131 parameter: [18.398 5 -0.16467517]	0.68855568 -1.9466121
Round4433-----squared error: 3.9131 parameter: [18.398 4 -0.1646731]	0.68854211 -1.9466244
Round4434-----squared error: 3.9131 parameter: [18.398 2 -0.16467104]	0.68852856 -1.9466367
Round4435-----squared error: 3.9131 parameter: [18.398 9 -0.16466898]	0.68851502 -1.9466489
Round4436-----squared error: 3.9131 parameter: [18.398 5 -0.16466693]	0.68850149 -1.9466612
Round4437-----squared error: 3.9131 parameter: [18.398 9 -0.16466487]	0.68848797 -1.9466734
Round4438-----squared error: 3.9131 parameter: [18.398 2 -0.16466282]	0.68847447 -1.9466857
Round4439-----squared error: 3.9131 parameter: [18.398 4 -0.16466077]	0.68846098 -1.9466979
Round4440-----squared error: 3.9131 parameter: [18.398 5 -0.16465872]	0.6884475 -1.9467101
Round4441-----squared error: 3.9131 parameter: [18.398 5 -0.16465667]	0.68843404 -1.9467223
Round4442-----squared error: 3.9131 parameter: [18.398 3 -0.16465462]	0.68842059 -1.9467345
Round4443-----squared error: 3.9131 parameter: [18.398 -0.16465258]	0.68840715 -1.9467467
Round4444-----squared error: 3.9131 parameter: [18.398 6 -0.16465054]	0.68839373 -1.9467588
Round4445-----squared error: 3.9131 parameter: [18.398 1 -0.1646485]	0.68838031 -1.9467710
Round4446-----squared error: 3.9131 parameter: [18.398 5 -0.16464646]	0.68836692 -1.9467831
Round4447-----squared error: 3.9131 parameter: [18.398 8 -0.16464442]	0.68835353 -1.9467952
Round4448-----squared error: 3.9131 parameter: [18.398 9 -0.16464239]	0.68834016 -1.9468073

Round4449-----squared error: 3.9131 parameter: [18.398 -0.16464036]	0.6883268 -1.9468195
Round4450-----squared error: 3.9131 parameter: [18.398 9 -0.16463833]	0.68831345 -1.9468315
Round4451-----squared error: 3.9131 parameter: [18.398 7 -0.1646363]	0.68830011 -1.9468436
Round4452-----squared error: 3.9131 parameter: [18.398 3 -0.16463427]	0.68828679 -1.9468557
Round4453-----squared error: 3.9131 parameter: [18.398 9 -0.16463225]	0.68827348 -1.9468677
Round4454-----squared error: 3.9131 parameter: [18.398 3 -0.16463023]	0.68826019 -1.9468798
Round4455-----squared error: 3.9131 parameter: [18.398 7 -0.16462821]	0.6882469 -1.9468918
Round4456-----squared error: 3.9131 parameter: [18.398 9 -0.16462619]	0.68823363 -1.9469038
Round4457-----squared error: 3.9131 parameter: [18.398 -0.16462417]	0.68822037 -1.9469159
Round4458-----squared error: 3.9131 parameter: [18.398 -0.16462216]	0.68820713 -1.9469279
Round4459-----squared error: 3.9131 parameter: [18.398 8 -0.16462015]	0.6881939 -1.9469398
Round4460-----squared error: 3.9131 parameter: [18.398 6 -0.16461813]	0.68818068 -1.9469518
Round4461-----squared error: 3.9131 parameter: [18.398 2 -0.16461613]	0.68816747 -1.9469638
Round4462-----squared error: 3.9131 parameter: [18.398 7 -0.16461412]	0.68815428 -1.9469757
Round4463-----squared error: 3.9131 parameter: [18.398 1 -0.16461211]	0.68814109 -1.9469877
Round4464-----squared error: 3.9131 parameter: [18.398 4 -0.16461011]	0.68812793 -1.9469996
Round4465-----squared error: 3.9131 parameter: [18.398 6 -0.16460811]	0.68811477 -1.9470115
Round4466-----squared error: 3.9131 parameter: [18.398 7 -0.16460611]	0.68810163 -1.9470234
Round4467-----squared error: 3.9131 parameter: [18.398 6 -0.16460411]	0.6880885 -1.9470353
Round4468-----squared error: 3.9131 parameter: [18.398 4 -0.16460212]	0.68807538 -1.9470472
Round4469-----squared error: 3.9131 parameter: [18.398 2 -0.16460012]	0.68806227 -1.9470591
Round4470-----squared error: 3.9131 parameter: [18.398 8 -0.16459813]	0.68804918 -1.9470709
Round4471-----squared error: 3.9131 parameter: [18.398 2 -0.16459614]	0.6880361 -1.9470828
Round4472-----squared error: 3.9131 parameter: [18.398 6 -0.16459416]	0.68802303 -1.9470946
Round4473-----squared error: 3.9131 parameter: [18.398 9 -0.16459217]	0.68800998 -1.9471064
Round4474-----squared error: 3.9131 parameter: [18.398 -0.16459019]	0.68799693 -1.9471183
Round4475-----squared error: 3.9131 parameter: [18.398 1 -0.1645882]	0.6879839 -1.9471301
Round4476-----squared error: 3.9131 parameter: [18.398 -0.16458622]	0.68797089 -1.9471419
Round4477-----squared error: 3.9131 parameter: [18.398 8 -0.16458424]	0.68795788 -1.9471536
Round4478-----squared error: 3.9131 parameter: [18.398 5 -0.16458227]	0.68794489 -1.9471654
Round4479-----squared error: 3.9131 parameter: [18.398 -0.16458029]	0.68793191 -1.9471772
Round4480-----squared error: 3.9131 parameter: [18.398 5 -0.16457832]	0.68791894 -1.9471889

Round4481-----squared error: 3.9131 parameter: [18.398 9 -0.16457635]	0.68790599 -1.9472006
Round4482-----squared error: 3.9131 parameter: [18.398 1 -0.16457438]	0.68789304 -1.9472124
Round4483-----squared error: 3.9131 parameter: [18.398 2 -0.16457241]	0.68788011 -1.9472241
Round4484-----squared error: 3.9131 parameter: [18.398 2 -0.16457045]	0.6878672 -1.9472358
Round4485-----squared error: 3.9131 parameter: [18.398 1 -0.16456849]	0.68785429 -1.9472475
Round4486-----squared error: 3.9131 parameter: [18.398 9 -0.16456652]	0.6878414 -1.9472591
Round4487-----squared error: 3.9131 parameter: [18.398 6 -0.16456456]	0.68782852 -1.9472708
Round4488-----squared error: 3.9131 parameter: [18.398 1 -0.16456261]	0.68781565 -1.9472825
Round4489-----squared error: 3.9131 parameter: [18.398 6 -0.16456065]	0.68780279 -1.9472941
Round4490-----squared error: 3.9131 parameter: [18.398 9 -0.1645587]	0.68778995 -1.9473057
Round4491-----squared error: 3.9131 parameter: [18.398 2 -0.16455675]	0.68777712 -1.9473174
Round4492-----squared error: 3.9131 parameter: [18.398 3 -0.1645548]	0.6877643 -1.9473290
Round4493-----squared error: 3.9131 parameter: [18.398 3 -0.16455285]	0.6877515 -1.9473406
Round4494-----squared error: 3.9131 parameter: [18.398 2 -0.1645509]	0.6877387 -1.9473522
Round4495-----squared error: 3.9131 parameter: [18.398 9 -0.16454896]	0.68772592 -1.9473637
Round4496-----squared error: 3.9131 parameter: [18.398 6 -0.16454701]	0.68771315 -1.9473753
Round4497-----squared error: 3.9131 parameter: [18.398 2 -0.16454507]	0.68770039 -1.9473869
Round4498-----squared error: 3.9131 parameter: [18.398 6 -0.16454313]	0.68768765 -1.9473984
Round4499-----squared error: 3.9131 parameter: [18.398 9 -0.1645412]	0.68767492 -1.9474099
Round4500-----squared error: 3.9131 parameter: [18.398 1 -0.16453926]	0.6876622 -1.9474215
Round4501-----squared error: 3.9131 parameter: [18.398 3 -0.16453733]	0.68764949 -1.9474330
Round4502-----squared error: 3.9131 parameter: [18.398 3 -0.1645354]	0.68763679 -1.9474445
Round4503-----squared error: 3.9131 parameter: [18.398 1 -0.16453347]	0.68762411 -1.9474560
Round4504-----squared error: 3.9131 parameter: [18.398 9 -0.16453154]	0.68761144 -1.9474674
Round4505-----squared error: 3.9131 parameter: [18.398 6 -0.16452961]	0.68759878 -1.9474789
Round4506-----squared error: 3.9131 parameter: [18.398 1 -0.16452769]	0.68758613 -1.9474904
Round4507-----squared error: 3.9131 parameter: [18.398 6 -0.16452576]	0.6875735 -1.9475018
Round4508-----squared error: 3.9131 parameter: [18.398 9 -0.16452384]	0.68756088 -1.9475132
Round4509-----squared error: 3.9131 parameter: [18.398 1 -0.16452193]	0.68754827 -1.9475247
Round4510-----squared error: 3.9131 parameter: [18.398 3 -0.16452001]	0.68753567 -1.9475361
Round4511-----squared error: 3.9131 parameter: [18.398 3 -0.16451809]	0.68752308 -1.9475475
Round4512-----squared error: 3.9131 parameter: [18.398 2 -0.16451618]	0.68751051 -1.9475589

Round4513-----squared error: 3.9131 parameter: [18.398 9 -0.16451427]	0.68749795 -1.9475702
Round4514-----squared error: 3.9131 parameter: [18.398 6 -0.16451236]	0.6874854 -1.9475816
Round4515-----squared error: 3.9131 parameter: [18.398 2 -0.16451045]	0.68747286 -1.9475930
Round4516-----squared error: 3.9131 parameter: [18.398 6 -0.16450854]	0.68746033 -1.9476043
Round4517-----squared error: 3.9131 parameter: [18.398 -0.16450664]	0.68744782 -1.9476157
Round4518-----squared error: 3.9131 parameter: [18.398 2 -0.16450474]	0.68743532 -1.9476270
Round4519-----squared error: 3.9131 parameter: [18.398 4 -0.16450284]	0.68742283 -1.9476383
Round4520-----squared error: 3.9131 parameter: [18.398 4 -0.16450094]	0.68741035 -1.9476496
Round4521-----squared error: 3.9131 parameter: [18.398 3 -0.16449904]	0.68739789 -1.9476609
Round4522-----squared error: 3.9131 parameter: [18.398 1 -0.16449715]	0.68738543 -1.9476722
Round4523-----squared error: 3.9131 parameter: [18.398 8 -0.16449525]	0.68737299 -1.9476834
Round4524-----squared error: 3.9131 parameter: [18.398 4 -0.16449336]	0.68736056 -1.9476947
Round4525-----squared error: 3.9131 parameter: [18.398 8 -0.16449147]	0.68734814 -1.9477059
Round4526-----squared error: 3.9131 parameter: [18.398 2 -0.16448958]	0.68733574 -1.9477172
Round4527-----squared error: 3.9131 parameter: [18.398 5 -0.1644877]	0.68732335 -1.9477284
Round4528-----squared error: 3.9131 parameter: [18.398 6 -0.16448581]	0.68731096 -1.9477396
Round4529-----squared error: 3.9131 parameter: [18.398 7 -0.16448393]	0.68729859 -1.9477508
Round4530-----squared error: 3.9131 parameter: [18.398 6 -0.16448205]	0.68728624 -1.9477620
Round4531-----squared error: 3.9131 parameter: [18.398 4 -0.16448017]	0.68727389 -1.9477732
Round4532-----squared error: 3.9131 parameter: [18.398 1 -0.1644783]	0.68726156 -1.9477844
Round4533-----squared error: 3.9131 parameter: [18.398 8 -0.16447642]	0.68724923 -1.9477955
Round4534-----squared error: 3.9131 parameter: [18.398 3 -0.16447455]	0.68723692 -1.9478067
Round4535-----squared error: 3.9131 parameter: [18.398 7 -0.16447267]	0.68722463 -1.9478178
Round4536-----squared error: 3.9131 parameter: [18.398 9 -0.1644708]	0.68721234 -1.9478289
Round4537-----squared error: 3.9131 parameter: [18.398 1 -0.16446894]	0.68720006 -1.9478401
Round4538-----squared error: 3.9131 parameter: [18.398 2 -0.16446707]	0.6871878 -1.9478512
Round4539-----squared error: 3.9131 parameter: [18.398 2 -0.16446521]	0.68717555 -1.9478623
Round4540-----squared error: 3.9131 parameter: [18.398 -0.16446334]	0.68716331 -1.9478734
Round4541-----squared error: 3.9131 parameter: [18.398 8 -0.16446148]	0.68715108 -1.9478844
Round4542-----squared error: 3.9131 parameter: [18.398 4 -0.16445962]	0.68713887 -1.9478955
Round4543-----squared error: 3.9131 parameter: [18.398 -0.16445777]	0.68712666 -1.9479066
Round4544-----squared error: 3.9131 parameter: [18.398 4 -0.16445591]	0.68711447 -1.9479176

Round4545-----squared error: 3.9131 parameter: [18.398 7 -0.16445406]	0.68710229 -1.9479286
Round4546-----squared error: 3.9131 parameter: [18.398 -0.1644522]	0.68709012 -1.9479397
Round4547-----squared error: 3.9131 parameter: [18.398 1 -0.16445035]	0.68707796 -1.9479507
Round4548-----squared error: 3.9131 parameter: [18.398 1 -0.1644485]	0.68706582 -1.9479617
Round4549-----squared error: 3.9131 parameter: [18.398 -0.16444666]	0.68705369 -1.9479727
Round4550-----squared error: 3.9131 parameter: [18.398 8 -0.16444481]	0.68704156 -1.9479836
Round4551-----squared error: 3.9131 parameter: [18.398 5 -0.16444297]	0.68702945 -1.9479946
Round4552-----squared error: 3.9131 parameter: [18.398 1 -0.16444113]	0.68701735 -1.9480056
Round4553-----squared error: 3.9131 parameter: [18.398 5 -0.16443929]	0.68700527 -1.9480165
Round4554-----squared error: 3.9131 parameter: [18.398 9 -0.16443745]	0.68699319 -1.9480274
Round4555-----squared error: 3.9131 parameter: [18.398 2 -0.16443561]	0.68698113 -1.9480384
Round4556-----squared error: 3.9131 parameter: [18.398 4 -0.16443378]	0.68696908 -1.9480493
Round4557-----squared error: 3.9131 parameter: [18.398 4 -0.16443195]	0.68695703 -1.9480602
Round4558-----squared error: 3.9131 parameter: [18.398 4 -0.16443012]	0.68694501 -1.9480711
Round4559-----squared error: 3.9131 parameter: [18.398 2 -0.16442829]	0.68693299 -1.9480820
Round4560-----squared error: 3.9131 parameter: [18.398 -0.16442646]	0.68692098 -1.9480929
Round4561-----squared error: 3.9131 parameter: [18.398 6 -0.16442463]	0.68690899 -1.9481037
Round4562-----squared error: 3.9131 parameter: [18.398 1 -0.16442281]	0.68689701 -1.9481146
Round4563-----squared error: 3.9131 parameter: [18.398 6 -0.16442099]	0.68688503 -1.9481254
Round4564-----squared error: 3.9131 parameter: [18.398 9 -0.16441917]	0.68687307 -1.9481362
Round4565-----squared error: 3.9131 parameter: [18.398 1 -0.16441735]	0.68686113 -1.9481471
Round4566-----squared error: 3.9131 parameter: [18.398 2 -0.16441553]	0.68684919 -1.9481579
Round4567-----squared error: 3.9131 parameter: [18.398 2 -0.16441372]	0.68683726 -1.9481687
Round4568-----squared error: 3.9131 parameter: [18.398 2 -0.1644119]	0.68682535 -1.9481795
Round4569-----squared error: 3.9131 parameter: [18.398 -0.16441009]	0.68681345 -1.9481903
Round4570-----squared error: 3.9131 parameter: [18.398 7 -0.16440828]	0.68680156 -1.9482010
Round4571-----squared error: 3.9131 parameter: [18.398 3 -0.16440647]	0.68678968 -1.9482118
Round4572-----squared error: 3.9131 parameter: [18.398 7 -0.16440466]	0.68677781 -1.9482225
Round4573-----squared error: 3.9131 parameter: [18.398 1 -0.16440286]	0.68676595 -1.9482333
Round4574-----squared error: 3.9131 parameter: [18.398 4 -0.16440106]	0.68675411 -1.9482440
Round4575-----squared error: 3.9131 parameter: [18.398 6 -0.16439925]	0.68674227 -1.9482547
Round4576-----squared error: 3.9131 parameter: [18.398 7 -0.16439746]	0.68673045 -1.9482654

Round4577-----squared error: 3.9131 parameter: [18.398 7 -0.16439566]	0.68671864 -1.9482761
Round4578-----squared error: 3.9131 parameter: [18.398 5 -0.16439386]	0.68670684 -1.9482868
Round4579-----squared error: 3.9131 parameter: [18.398 3 -0.16439207]	0.68669505 -1.9482975
Round4580-----squared error: 3.9131 parameter: [18.398 -0.16439027]	0.68668328 -1.9483082
Round4581-----squared error: 3.9131 parameter: [18.398 5 -0.16438848]	0.68667151 -1.9483188
Round4582-----squared error: 3.9131 parameter: [18.398 -0.16438669]	0.68665976 -1.9483295
Round4583-----squared error: 3.9131 parameter: [18.398 4 -0.1643849]	0.68664801 -1.9483401
Round4584-----squared error: 3.9131 parameter: [18.398 6 -0.16438312]	0.68663628 -1.9483507
Round4585-----squared error: 3.9131 parameter: [18.398 8 -0.16438133]	0.68662456 -1.9483613
Round4586-----squared error: 3.9131 parameter: [18.398 8 -0.16437955]	0.68661285 -1.9483719
Round4587-----squared error: 3.9131 parameter: [18.398 8 -0.16437777]	0.68660116 -1.9483825
Round4588-----squared error: 3.9131 parameter: [18.398 6 -0.16437599]	0.68658947 -1.9483931
Round4589-----squared error: 3.9131 parameter: [18.398 4 -0.16437421]	0.68657779 -1.9484037
Round4590-----squared error: 3.9131 parameter: [18.398 -0.16437244]	0.68656613 -1.9484143
Round4591-----squared error: 3.9131 parameter: [18.398 6 -0.16437066]	0.68655448 -1.9484248
Round4592-----squared error: 3.9131 parameter: [18.398 -0.16436889]	0.68654284 -1.9484354
Round4593-----squared error: 3.9131 parameter: [18.398 3 -0.16436712]	0.68653121 -1.9484459
Round4594-----squared error: 3.9131 parameter: [18.398 6 -0.16436535]	0.68651959 -1.9484564
Round4595-----squared error: 3.9131 parameter: [18.398 7 -0.16436358]	0.68650798 -1.9484669
Round4596-----squared error: 3.9131 parameter: [18.398 7 -0.16436182]	0.68649638 -1.9484774
Round4597-----squared error: 3.9131 parameter: [18.398 7 -0.16436006]	0.6864848 -1.9484879
Round4598-----squared error: 3.9131 parameter: [18.398 5 -0.16435829]	0.68647322 -1.9484984
Round4599-----squared error: 3.9131 parameter: [18.398 2 -0.16435653]	0.68646166 -1.9485089
Round4600-----squared error: 3.9131 parameter: [18.398 9 -0.16435477]	0.68645011 -1.9485193
Round4601-----squared error: 3.9131 parameter: [18.398 4 -0.16435302]	0.68643857 -1.9485298
Round4602-----squared error: 3.9131 parameter: [18.398 8 -0.16435126]	0.68642704 -1.9485402
Round4603-----squared error: 3.9131 parameter: [18.398 2 -0.16434951]	0.68641552 -1.9485507
Round4604-----squared error: 3.9131 parameter: [18.398 4 -0.16434775]	0.68640401 -1.9485611
Round4605-----squared error: 3.9131 parameter: [18.398 5 -0.164346]	0.68639251 -1.9485715
Round4606-----squared error: 3.9131 parameter: [18.398 5 -0.16434426]	0.68638103 -1.9485819
Round4607-----squared error: 3.9131 parameter: [18.398 5 -0.16434251]	0.68636955 -1.9485923
Round4608-----squared error: 3.9131 parameter: [18.398 3 -0.16434076]	0.68635809 -1.9486027

Round4609-----squared error: 3.9131 parameter: [18.398 -0.16433902]	0.68634664 -1.9486131
Round4610-----squared error: 3.9131 parameter: [18.398 7 -0.16433728]	0.68633519 -1.9486234
Round4611-----squared error: 3.9131 parameter: [18.398 2 -0.16433554]	0.68632376 -1.9486338
Round4612-----squared error: 3.9131 parameter: [18.398 6 -0.1643338]	0.68631234 -1.9486441
Round4613-----squared error: 3.9131 parameter: [18.398 9 -0.16433206]	0.68630094 -1.9486544
Round4614-----squared error: 3.9131 parameter: [18.398 2 -0.16433032]	0.68628954 -1.9486648
Round4615-----squared error: 3.9131 parameter: [18.398 3 -0.16432859]	0.68627815 -1.9486751
Round4616-----squared error: 3.9131 parameter: [18.398 3 -0.16432686]	0.68626678 -1.9486854
Round4617-----squared error: 3.9131 parameter: [18.398 2 -0.16432513]	0.68625541 -1.9486957
Round4618-----squared error: 3.9131 parameter: [18.398 1 -0.1643234]	0.68624406 -1.9487060
Round4619-----squared error: 3.9131 parameter: [18.398 8 -0.16432167]	0.68623272 -1.9487162
Round4620-----squared error: 3.9131 parameter: [18.398 4 -0.16431995]	0.68622138 -1.9487265
Round4621-----squared error: 3.9131 parameter: [18.398 -0.16431822]	0.68621006 -1.9487368
Round4622-----squared error: 3.9131 parameter: [18.398 4 -0.1643165]	0.68619875 -1.9487470
Round4623-----squared error: 3.9131 parameter: [18.398 7 -0.16431478]	0.68618745 -1.9487572
Round4624-----squared error: 3.9131 parameter: [18.398 -0.16431306]	0.68617617 -1.9487675
Round4625-----squared error: 3.9131 parameter: [18.398 1 -0.16431134]	0.68616489 -1.9487777
Round4626-----squared error: 3.9131 parameter: [18.398 2 -0.16430963]	0.68615362 -1.9487879
Round4627-----squared error: 3.9131 parameter: [18.398 1 -0.16430791]	0.68614237 -1.9487981
Round4628-----squared error: 3.9131 parameter: [18.398 -0.1643062]	0.68613112 -1.9488083
Round4629-----squared error: 3.9131 parameter: [18.398 7 -0.16430449]	0.68611989 -1.9488184
Round4630-----squared error: 3.9131 parameter: [18.398 3 -0.16430278]	0.68610866 -1.9488286
Round4631-----squared error: 3.9131 parameter: [18.398 9 -0.16430107]	0.68609745 -1.9488387
Round4632-----squared error: 3.9131 parameter: [18.398 3 -0.16429937]	0.68608625 -1.9488489
Round4633-----squared error: 3.9131 parameter: [18.398 7 -0.16429766]	0.68607506 -1.9488590
Round4634-----squared error: 3.9131 parameter: [18.398 -0.16429596]	0.68606388 -1.9488692
Round4635-----squared error: 3.9131 parameter: [18.398 1 -0.16429426]	0.68605271 -1.9488793
Round4636-----squared error: 3.9131 parameter: [18.398 2 -0.16429256]	0.68604155 -1.9488894
Round4637-----squared error: 3.9131 parameter: [18.398 1 -0.16429086]	0.6860304 -1.9488995
Round4638-----squared error: 3.9131 parameter: [18.398 -0.16428917]	0.68601927 -1.9489096
Round4639-----squared error: 3.9131 parameter: [18.398 8 -0.16428747]	0.68600814 -1.9489196
Round4640-----squared error: 3.9131 parameter: [18.398 5 -0.16428578]	0.68599703 -1.9489297

Round4641-----squared error: 3.9131 parameter: [18.398 -0.16428409]	0.68598592 -1.9489398
Round4642-----squared error: 3.9131 parameter: [18.398 5 -0.1642824]	0.68597483 -1.9489498
Round4643-----squared error: 3.9131 parameter: [18.398 9 -0.16428071]	0.68596374 -1.9489598
Round4644-----squared error: 3.9131 parameter: [18.398 2 -0.16427902]	0.68595267 -1.9489699
Round4645-----squared error: 3.9131 parameter: [18.398 4 -0.16427734]	0.68594161 -1.9489799
Round4646-----squared error: 3.9131 parameter: [18.398 5 -0.16427566]	0.68593056 -1.9489899
Round4647-----squared error: 3.9131 parameter: [18.398 5 -0.16427397]	0.68591952 -1.9489999
Round4648-----squared error: 3.9131 parameter: [18.398 4 -0.16427229]	0.68590849 -1.9490099
Round4649-----squared error: 3.9131 parameter: [18.398 2 -0.16427062]	0.68589747 -1.9490199
Round4650-----squared error: 3.9131 parameter: [18.398 9 -0.16426894]	0.68588646 -1.9490298
Round4651-----squared error: 3.9131 parameter: [18.398 5 -0.16426726]	0.68587546 -1.9490398
Round4652-----squared error: 3.9131 parameter: [18.398 -0.16426559]	0.68586447 -1.9490498
Round4653-----squared error: 3.9131 parameter: [18.398 4 -0.16426392]	0.68585349 -1.9490597
Round4654-----squared error: 3.9131 parameter: [18.398 7 -0.16426225]	0.68584253 -1.9490696
Round4655-----squared error: 3.9131 parameter: [18.398 -0.16426058]	0.68583157 -1.9490796
Round4656-----squared error: 3.9131 parameter: [18.398 1 -0.16425891]	0.68582062 -1.9490895
Round4657-----squared error: 3.9131 parameter: [18.398 1 -0.16425725]	0.68580969 -1.9490994
Round4658-----squared error: 3.9131 parameter: [18.398 1 -0.16425558]	0.68579877 -1.9491093
Round4659-----squared error: 3.9131 parameter: [18.398 9 -0.16425392]	0.68578785 -1.9491191
Round4660-----squared error: 3.9131 parameter: [18.398 7 -0.16425226]	0.68577695 -1.9491290
Round4661-----squared error: 3.9131 parameter: [18.398 3 -0.1642506]	0.68576605 -1.9491389
Round4662-----squared error: 3.9131 parameter: [18.398 9 -0.16424894]	0.68575517 -1.9491487
Round4663-----squared error: 3.9131 parameter: [18.398 3 -0.16424729]	0.6857443 -1.9491586
Round4664-----squared error: 3.9131 parameter: [18.398 7 -0.16424563]	0.68573344 -1.9491684
Round4665-----squared error: 3.9131 parameter: [18.398 -0.16424398]	0.68572259 -1.9491783
Round4666-----squared error: 3.9131 parameter: [18.398 2 -0.16424233]	0.68571175 -1.9491881
Round4667-----squared error: 3.9131 parameter: [18.398 3 -0.16424068]	0.68570092 -1.9491979
Round4668-----squared error: 3.9131 parameter: [18.398 3 -0.16423903]	0.6856901 -1.9492077
Round4669-----squared error: 3.9131 parameter: [18.398 2 -0.16423738]	0.68567929 -1.9492175
Round4670-----squared error: 3.9131 parameter: [18.398 -0.16423574]	0.68566849 -1.9492273
Round4671-----squared error: 3.9131 parameter: [18.398 7 -0.1642341]	0.6856577 -1.9492370
Round4672-----squared error: 3.9131 parameter: [18.398 3 -0.16423245]	0.68564692 -1.9492468

Round4673-----squared error: 3.9131 parameter: [18.398 8 -0.16423081]	0.68563615 -1.9492565
Round4674-----squared error: 3.9131 parameter: [18.398 2 -0.16422918]	0.6856254 -1.9492663
Round4675-----squared error: 3.9131 parameter: [18.398 6 -0.16422754]	0.68561465 -1.9492760
Round4676-----squared error: 3.9131 parameter: [18.398 8 -0.1642259]	0.68560391 -1.9492857
Round4677-----squared error: 3.9131 parameter: [18.398 9 -0.16422427]	0.68559319 -1.9492954
Round4678-----squared error: 3.9131 parameter: [18.398 -0.16422264]	0.68558247 -1.9493052
Round4679-----squared error: 3.9131 parameter: [18.398 -0.16422101]	0.68557176 -1.9493149
Round4680-----squared error: 3.9131 parameter: [18.398 8 -0.16421938]	0.68556107 -1.9493245
Round4681-----squared error: 3.9131 parameter: [18.398 6 -0.16421775]	0.68555038 -1.9493342
Round4682-----squared error: 3.9131 parameter: [18.398 3 -0.16421612]	0.68553971 -1.9493439
Round4683-----squared error: 3.9131 parameter: [18.398 9 -0.1642145]	0.68552904 -1.9493535
Round4684-----squared error: 3.9131 parameter: [18.398 3 -0.16421288]	0.68551839 -1.9493632
Round4685-----squared error: 3.9131 parameter: [18.398 7 -0.16421125]	0.68550775 -1.9493728
Round4686-----squared error: 3.9131 parameter: [18.398 1 -0.16420963]	0.68549711 -1.9493825
Round4687-----squared error: 3.9131 parameter: [18.398 3 -0.16420802]	0.68548649 -1.9493921
Round4688-----squared error: 3.9131 parameter: [18.398 4 -0.1642064]	0.68547587 -1.9494017
Round4689-----squared error: 3.9131 parameter: [18.398 4 -0.16420478]	0.68546527 -1.9494113
Round4690-----squared error: 3.9131 parameter: [18.398 4 -0.16420317]	0.68545468 -1.9494209
Round4691-----squared error: 3.9131 parameter: [18.398 2 -0.16420156]	0.6854441 -1.9494305
Round4692-----squared error: 3.9131 parameter: [18.398 9 -0.16419995]	0.68543352 -1.9494400
Round4693-----squared error: 3.9131 parameter: [18.398 6 -0.16419834]	0.68542296 -1.9494496
Round4694-----squared error: 3.9131 parameter: [18.398 2 -0.16419673]	0.68541241 -1.9494592
Round4695-----squared error: 3.9131 parameter: [18.398 6 -0.16419512]	0.68540187 -1.9494687
Round4696-----squared error: 3.9131 parameter: [18.398 -0.16419352]	0.68539133 -1.9494783
Round4697-----squared error: 3.9131 parameter: [18.398 3 -0.16419192]	0.68538081 -1.9494878
Round4698-----squared error: 3.9131 parameter: [18.398 5 -0.16419032]	0.6853703 -1.9494973
Round4699-----squared error: 3.9131 parameter: [18.398 6 -0.16418872]	0.6853598 -1.9495068
Round4700-----squared error: 3.9131 parameter: [18.398 6 -0.16418712]	0.68534931 -1.9495163
Round4701-----squared error: 3.9131 parameter: [18.398 6 -0.16418552]	0.68533883 -1.9495258
Round4702-----squared error: 3.9131 parameter: [18.398 4 -0.16418393]	0.68532836 -1.9495353
Round4703-----squared error: 3.9131 parameter: [18.398 1 -0.16418233]	0.68531789 -1.9495448
Round4704-----squared error: 3.9131 parameter: [18.398 8 -0.16418074]	0.68530744 -1.9495542

Round4705-----squared error: 3.9131 parameter: [18.398 3 -0.16417915]	0.685297 -1.9495637
Round4706-----squared error: 3.9131 parameter: [18.398 8 -0.16417756]	0.68528657 -1.9495731
Round4707-----squared error: 3.9131 parameter: [18.398 2 -0.16417597]	0.68527615 -1.9495826
Round4708-----squared error: 3.9131 parameter: [18.398 5 -0.16417439]	0.68526574 -1.9495920
Round4709-----squared error: 3.9131 parameter: [18.398 7 -0.1641728]	0.68525534 -1.9496014
Round4710-----squared error: 3.9131 parameter: [18.398 8 -0.16417122]	0.68524495 -1.9496108
Round4711-----squared error: 3.9131 parameter: [18.398 8 -0.16416964]	0.68523457 -1.9496202
Round4712-----squared error: 3.9131 parameter: [18.398 7 -0.16416806]	0.6852242 -1.9496296
Round4713-----squared error: 3.9131 parameter: [18.398 5 -0.16416648]	0.68521383 -1.9496390
Round4714-----squared error: 3.9131 parameter: [18.398 3 -0.1641649]	0.68520348 -1.9496484
Round4715-----squared error: 3.9131 parameter: [18.398 9 -0.16416333]	0.68519314 -1.9496577
Round4716-----squared error: 3.9131 parameter: [18.398 5 -0.16416175]	0.68518281 -1.9496671
Round4717-----squared error: 3.9131 parameter: [18.398 -0.16416018]	0.68517249 -1.9496765
Round4718-----squared error: 3.9131 parameter: [18.398 4 -0.16415861]	0.68516218 -1.9496858
Round4719-----squared error: 3.9131 parameter: [18.398 6 -0.16415704]	0.68515188 -1.9496951
Round4720-----squared error: 3.9131 parameter: [18.398 8 -0.16415547]	0.68514159 -1.9497044
Round4721-----squared error: 3.9131 parameter: [18.398 -0.1641539]	0.68513131 -1.9497138
Round4722-----squared error: 3.9131 parameter: [18.398 -0.16415234]	0.68512103 -1.9497231
Round4723-----squared error: 3.9131 parameter: [18.398 9 -0.16415078]	0.68511077 -1.9497323
Round4724-----squared error: 3.9131 parameter: [18.398 8 -0.16414921]	0.68510052 -1.9497416
Round4725-----squared error: 3.9131 parameter: [18.398 5 -0.16414765]	0.68509028 -1.9497509
Round4726-----squared error: 3.9131 parameter: [18.398 2 -0.16414609]	0.68508005 -1.9497602
Round4727-----squared error: 3.9131 parameter: [18.398 7 -0.16414454]	0.68506983 -1.9497694
Round4728-----squared error: 3.9131 parameter: [18.398 2 -0.16414298]	0.68505961 -1.9497787
Round4729-----squared error: 3.9131 parameter: [18.398 6 -0.16414143]	0.68504941 -1.9497879
Round4730-----squared error: 3.9131 parameter: [18.398 9 -0.16413987]	0.68503922 -1.9497971
Round4731-----squared error: 3.9131 parameter: [18.398 2 -0.16413832]	0.68502904 -1.9498064
Round4732-----squared error: 3.9131 parameter: [18.398 3 -0.16413677]	0.68501886 -1.9498156
Round4733-----squared error: 3.9131 parameter: [18.398 3 -0.16413522]	0.6850087 -1.9498248
Round4734-----squared error: 3.9131 parameter: [18.398 3 -0.16413368]	0.68499855 -1.9498340
Round4735-----squared error: 3.9131 parameter: [18.398 1 -0.16413213]	0.6849884 -1.9498432
Round4736-----squared error: 3.9131 parameter: [18.398 9 -0.16413059]	0.68497827 -1.9498523

Round4737-----squared error: 3.9131 parameter: [18.398 6 -0.16412904]	0.68496814 -1.9498615
Round4738-----squared error: 3.9131 parameter: [18.398 2 -0.1641275]	0.68495803 -1.9498707
Round4739-----squared error: 3.9131 parameter: [18.398 7 -0.16412596]	0.68494793 -1.9498798
Round4740-----squared error: 3.9131 parameter: [18.398 1 -0.16412442]	0.68493783 -1.9498890
Round4741-----squared error: 3.9131 parameter: [18.398 5 -0.16412289]	0.68492775 -1.9498981
Round4742-----squared error: 3.9131 parameter: [18.398 7 -0.16412135]	0.68491767 -1.9499072
Round4743-----squared error: 3.9131 parameter: [18.398 9 -0.16411982]	0.6849076 -1.9499163
Round4744-----squared error: 3.9131 parameter: [18.398 9 -0.16411829]	0.68489755 -1.9499254
Round4745-----squared error: 3.9131 parameter: [18.398 9 -0.16411675]	0.6848875 -1.9499345
Round4746-----squared error: 3.9131 parameter: [18.398 8 -0.16411523]	0.68487746 -1.9499436
Round4747-----squared error: 3.9131 parameter: [18.398 6 -0.1641137]	0.68486744 -1.9499527
Round4748-----squared error: 3.9131 parameter: [18.398 3 -0.16411217]	0.68485742 -1.9499618
Round4749-----squared error: 3.9131 parameter: [18.398 -0.16411065]	0.68484741 -1.9499709
Round4750-----squared error: 3.9131 parameter: [18.398 5 -0.16410912]	0.68483741 -1.9499799
Round4751-----squared error: 3.9131 parameter: [18.398 -0.1641076]	0.68482743 -1.949989
Round4752-----squared error: 3.9131 parameter: [18.398 3 -0.16410608]	0.68481745 -1.9499980
Round4753-----squared error: 3.9131 parameter: [18.398 6 -0.16410456]	0.68480748 -1.9500070
Round4754-----squared error: 3.9131 parameter: [18.398 8 -0.16410304]	0.68479752 -1.9500160
Round4755-----squared error: 3.9131 parameter: [18.398 9 -0.16410153]	0.68478757 -1.9500250
Round4756-----squared error: 3.9131 parameter: [18.398 -0.16410001]	0.68477763 -1.9500341
Round4757-----squared error: 3.9131 parameter: [18.398 9 -0.1640985]	0.6847677 -1.9500430
Round4758-----squared error: 3.9131 parameter: [18.398 7 -0.16409699]	0.68475777 -1.9500520
Round4759-----squared error: 3.9131 parameter: [18.398 5 -0.16409548]	0.68474786 -1.9500610
Round4760-----squared error: 3.9131 parameter: [18.398 2 -0.16409397]	0.68473796 -1.9500700
Round4761-----squared error: 3.9131 parameter: [18.398 8 -0.16409246]	0.68472807 -1.9500789
Round4762-----squared error: 3.9131 parameter: [18.398 3 -0.16409095]	0.68471818 -1.9500879
Round4763-----squared error: 3.9131 parameter: [18.398 7 -0.16408945]	0.68470831 -1.9500968
Round4764-----squared error: 3.9131 parameter: [18.398 -0.16408794]	0.68469845 -1.9501058
Round4765-----squared error: 3.9131 parameter: [18.398 3 -0.16408644]	0.68468859 -1.9501147
Round4766-----squared error: 3.9131 parameter: [18.398 4 -0.16408494]	0.68467875 -1.9501236
Round4767-----squared error: 3.9131 parameter: [18.398 5 -0.16408344]	0.68466891 -1.9501325
Round4768-----squared error: 3.9131 parameter: [18.398 5 -0.16408195]	0.68465908 -1.9501414

Round4769-----squared error: 3.9131 parameter: [18.398 4 -0.16408045]	0.68464927 -1.9501503
Round4770-----squared error: 3.9131 parameter: [18.398 2 -0.16407896]	0.68463946 -1.9501592
Round4771-----squared error: 3.9131 parameter: [18.398 9 -0.16407746]	0.68462966 -1.9501680
Round4772-----squared error: 3.9131 parameter: [18.398 6 -0.16407597]	0.68461987 -1.9501769
Round4773-----squared error: 3.9131 parameter: [18.398 1 -0.16407448]	0.68461009 -1.9501858
Round4774-----squared error: 3.9131 parameter: [18.398 6 -0.16407299]	0.68460033 -1.9501946
Round4775-----squared error: 3.9131 parameter: [18.398 -0.1640715]	0.68459056 -1.9502035
Round4776-----squared error: 3.9131 parameter: [18.398 3 -0.16407002]	0.68458081 -1.9502123
Round4777-----squared error: 3.9131 parameter: [18.398 5 -0.16406853]	0.68457107 -1.9502211
Round4778-----squared error: 3.9131 parameter: [18.398 7 -0.16406705]	0.68456134 -1.9502299
Round4779-----squared error: 3.9131 parameter: [18.398 7 -0.16406557]	0.68455162 -1.9502387
Round4780-----squared error: 3.9131 parameter: [18.398 7 -0.16406409]	0.6845419 -1.9502475
Round4781-----squared error: 3.9131 parameter: [18.398 6 -0.16406261]	0.6845322 -1.9502563
Round4782-----squared error: 3.9131 parameter: [18.398 4 -0.16406113]	0.68452251 -1.9502651
Round4783-----squared error: 3.9131 parameter: [18.398 1 -0.16405965]	0.68451282 -1.9502739
Round4784-----squared error: 3.9131 parameter: [18.398 7 -0.16405818]	0.68450314 -1.9502826
Round4785-----squared error: 3.9131 parameter: [18.398 2 -0.16405671]	0.68449348 -1.9502914
Round4786-----squared error: 3.9131 parameter: [18.398 7 -0.16405524]	0.68448382 -1.9503001
Round4787-----squared error: 3.9131 parameter: [18.398 1 -0.16405376]	0.68447417 -1.9503089
Round4788-----squared error: 3.9131 parameter: [18.398 3 -0.1640523]	0.68446453 -1.9503176
Round4789-----squared error: 3.9131 parameter: [18.398 6 -0.16405083]	0.6844549 -1.9503263
Round4790-----squared error: 3.9131 parameter: [18.398 7 -0.16404936]	0.68444528 -1.9503350
Round4791-----squared error: 3.9131 parameter: [18.398 7 -0.1640479]	0.68443567 -1.9503437
Round4792-----squared error: 3.9131 parameter: [18.398 7 -0.16404643]	0.68442607 -1.9503524
Round4793-----squared error: 3.9131 parameter: [18.398 5 -0.16404497]	0.68441648 -1.9503611
Round4794-----squared error: 3.9131 parameter: [18.398 3 -0.16404351]	0.6844069 -1.9503698
Round4795-----squared error: 3.9131 parameter: [18.398 -0.16404205]	0.68439732 -1.9503785
Round4796-----squared error: 3.9131 parameter: [18.398 6 -0.16404059]	0.68438776 -1.9503871
Round4797-----squared error: 3.9131 parameter: [18.398 2 -0.16403914]	0.6843782 -1.9503958
Round4798-----squared error: 3.9131 parameter: [18.398 6 -0.16403768]	0.68436865 -1.9504044
Round4799-----squared error: 3.9131 parameter: [18.398 -0.16403623]	0.68435912 -1.9504131
Round4800-----squared error: 3.9131 parameter: [18.398 3 -0.16403478]	0.68434959 -1.9504217

Round4801-----squared error: 3.9131 parameter: [18.398 5 -0.16403333]	0.68434007 -1.9504303
Round4802-----squared error: 3.9131 parameter: [18.398 6 -0.16403188]	0.68433056 -1.9504389
Round4803-----squared error: 3.9131 parameter: [18.398 6 -0.16403043]	0.68432106 -1.9504475
Round4804-----squared error: 3.9131 parameter: [18.398 6 -0.16402898]	0.68431157 -1.9504561
Round4805-----squared error: 3.9131 parameter: [18.398 5 -0.16402754]	0.68430209 -1.9504647
Round4806-----squared error: 3.9131 parameter: [18.398 2 -0.16402609]	0.68429261 -1.9504733
Round4807-----squared error: 3.9131 parameter: [18.398 9 -0.16402465]	0.68428315 -1.9504818
Round4808-----squared error: 3.9131 parameter: [18.398 6 -0.16402321]	0.68427369 -1.9504904
Round4809-----squared error: 3.9131 parameter: [18.398 1 -0.16402177]	0.68426425 -1.9504990
Round4810-----squared error: 3.9131 parameter: [18.398 6 -0.16402033]	0.68425481 -1.9505075
Round4811-----squared error: 3.9131 parameter: [18.398 9 -0.16401889]	0.68424538 -1.9505160
Round4812-----squared error: 3.9131 parameter: [18.398 2 -0.16401746]	0.68423597 -1.9505246
Round4813-----squared error: 3.9131 parameter: [18.398 4 -0.16401602]	0.68422656 -1.9505331
Round4814-----squared error: 3.9131 parameter: [18.398 6 -0.16401459]	0.68421716 -1.9505416
Round4815-----squared error: 3.9131 parameter: [18.398 6 -0.16401316]	0.68420776 -1.9505501
Round4816-----squared error: 3.9131 parameter: [18.398 6 -0.16401173]	0.68419838 -1.9505586
Round4817-----squared error: 3.9131 parameter: [18.398 5 -0.1640103]	0.68418901 -1.9505671
Round4818-----squared error: 3.9131 parameter: [18.398 3 -0.16400887]	0.68417964 -1.9505756
Round4819-----squared error: 3.9131 parameter: [18.398 -0.16400745]	0.68417029 -1.9505841
Round4820-----squared error: 3.9131 parameter: [18.398 6 -0.16400602]	0.68416094 -1.9505925
Round4821-----squared error: 3.9131 parameter: [18.398 2 -0.1640046]	0.68415161 -1.9506010
Round4822-----squared error: 3.9131 parameter: [18.398 7 -0.16400318]	0.68414228 -1.9506094
Round4823-----squared error: 3.9131 parameter: [18.398 -0.16400176]	0.68413296 -1.9506179
Round4824-----squared error: 3.9131 parameter: [18.398 4 -0.16400034]	0.68412365 -1.9506263
Round4825-----squared error: 3.9131 parameter: [18.398 6 -0.16399892]	0.68411435 -1.9506347
Round4826-----squared error: 3.9131 parameter: [18.398 7 -0.1639975]	0.68410505 -1.9506431
Round4827-----squared error: 3.9131 parameter: [18.398 8 -0.16399609]	0.68409577 -1.9506515
Round4828-----squared error: 3.9131 parameter: [18.398 8 -0.16399467]	0.6840865 -1.9506599
Round4829-----squared error: 3.9131 parameter: [18.398 7 -0.16399326]	0.68407723 -1.9506683
Round4830-----squared error: 3.9131 parameter: [18.398 5 -0.16399185]	0.68406797 -1.9506767
Round4831-----squared error: 3.9131 parameter: [18.398 3 -0.16399044]	0.68405873 -1.9506851
Round4832-----squared error: 3.9131 parameter: [18.398 9 -0.16398903]	0.68404949 -1.9506934

Round4833-----squared error: 3.9131 parameter: [18.398 5 -0.16398762]	0.68404026 -1.9507018
Round4834-----squared error: 3.9131 parameter: [18.398 -0.16398622]	0.68403104 -1.9507102
Round4835-----squared error: 3.9131 parameter: [18.398 4 -0.16398481]	0.68402182 -1.9507185
Round4836-----squared error: 3.9131 parameter: [18.398 8 -0.16398341]	0.68401262 -1.9507268
Round4837-----squared error: 3.9131 parameter: [18.398 -0.16398201]	0.68400343 -1.9507352
Round4838-----squared error: 3.9131 parameter: [18.398 2 -0.16398061]	0.68399424 -1.9507435
Round4839-----squared error: 3.9131 parameter: [18.398 3 -0.16397921]	0.68398506 -1.9507518
Round4840-----squared error: 3.9131 parameter: [18.398 4 -0.16397781]	0.6839759 -1.9507601
Round4841-----squared error: 3.9131 parameter: [18.398 3 -0.16397642]	0.68396674 -1.9507684
Round4842-----squared error: 3.9131 parameter: [18.398 2 -0.16397502]	0.68395759 -1.9507767
Round4843-----squared error: 3.9131 parameter: [18.398 9 -0.16397363]	0.68394845 -1.9507849
Round4844-----squared error: 3.9131 parameter: [18.398 6 -0.16397224]	0.68393931 -1.9507932
Round4845-----squared error: 3.9131 parameter: [18.398 3 -0.16397085]	0.68393019 -1.9508015
Round4846-----squared error: 3.9131 parameter: [18.398 8 -0.16396946]	0.68392107 -1.9508097
Round4847-----squared error: 3.9131 parameter: [18.398 3 -0.16396807]	0.68391197 -1.9508180
Round4848-----squared error: 3.9131 parameter: [18.398 7 -0.16396668]	0.68390287 -1.9508262
Round4849-----squared error: 3.9131 parameter: [18.398 -0.16396529]	0.68389378 -1.9508345
Round4850-----squared error: 3.9131 parameter: [18.398 2 -0.16396391]	0.6838847 -1.9508427
Round4851-----squared error: 3.9131 parameter: [18.398 3 -0.16396253]	0.68387563 -1.9508509
Round4852-----squared error: 3.9131 parameter: [18.398 4 -0.16396115]	0.68386657 -1.9508591
Round4853-----squared error: 3.9131 parameter: [18.398 4 -0.16395977]	0.68385751 -1.9508673
Round4854-----squared error: 3.9131 parameter: [18.398 3 -0.16395839]	0.68384847 -1.9508755
Round4855-----squared error: 3.9131 parameter: [18.398 1 -0.16395701]	0.68383943 -1.9508837
Round4856-----squared error: 3.9131 parameter: [18.398 9 -0.16395563]	0.6838304 -1.9508918
Round4857-----squared error: 3.9131 parameter: [18.398 5 -0.16395426]	0.68382138 -1.9509000
Round4858-----squared error: 3.9131 parameter: [18.398 1 -0.16395288]	0.68381237 -1.9509082
Round4859-----squared error: 3.9131 parameter: [18.398 7 -0.16395151]	0.68380337 -1.9509163
Round4860-----squared error: 3.9131 parameter: [18.398 1 -0.16395014]	0.68379438 -1.9509245
Round4861-----squared error: 3.9131 parameter: [18.398 4 -0.16394877]	0.6837854 -1.9509326
Round4862-----squared error: 3.9131 parameter: [18.398 7 -0.1639474]	0.68377642 -1.9509407
Round4863-----squared error: 3.9131 parameter: [18.398 9 -0.16394604]	0.68376745 -1.9509488
Round4864-----squared error: 3.9131 parameter: [18.398 1 -0.16394467]	0.68375849 -1.9509570

Round4865-----squared error: 3.9131 parameter: [18.398 1 -0.16394331]	0.68374954 -1.9509651
Round4866-----squared error: 3.9131 parameter: [18.398 1 -0.16394194]	0.6837406 -1.9509732
Round4867-----squared error: 3.9131 parameter: [18.398 -0.16394058]	0.68373167 -1.9509813
Round4868-----squared error: 3.9131 parameter: [18.398 8 -0.16393922]	0.68372275 -1.9509893
Round4869-----squared error: 3.9131 parameter: [18.398 5 -0.16393786]	0.68371383 -1.9509974
Round4870-----squared error: 3.9131 parameter: [18.398 2 -0.1639365]	0.68370492 -1.9510055
Round4871-----squared error: 3.9131 parameter: [18.398 7 -0.16393515]	0.68369603 -1.9510135
Round4872-----squared error: 3.9131 parameter: [18.398 2 -0.16393379]	0.68368714 -1.9510216
Round4873-----squared error: 3.9131 parameter: [18.398 7 -0.16393244]	0.68367826 -1.9510296
Round4874-----squared error: 3.9131 parameter: [18.398 -0.16393108]	0.68366938 -1.9510377
Round4875-----squared error: 3.9131 parameter: [18.398 3 -0.16392973]	0.68366052 -1.9510457
Round4876-----squared error: 3.9131 parameter: [18.398 5 -0.16392838]	0.68365166 -1.9510537
Round4877-----squared error: 3.9131 parameter: [18.398 6 -0.16392703]	0.68364282 -1.9510617
Round4878-----squared error: 3.9131 parameter: [18.398 6 -0.16392569]	0.68363398 -1.9510697
Round4879-----squared error: 3.9131 parameter: [18.398 6 -0.16392434]	0.68362515 -1.9510777
Round4880-----squared error: 3.9131 parameter: [18.398 4 -0.16392299]	0.68361633 -1.9510857
Round4881-----squared error: 3.9131 parameter: [18.398 3 -0.16392165]	0.68360751 -1.9510937
Round4882-----squared error: 3.9131 parameter: [18.398 -0.16392031]	0.68359871 -1.9511017
Round4883-----squared error: 3.9131 parameter: [18.398 6 -0.16391897]	0.68358991 -1.9511096
Round4884-----squared error: 3.9131 parameter: [18.398 2 -0.16391763]	0.68358113 -1.9511176
Round4885-----squared error: 3.9131 parameter: [18.398 7 -0.16391629]	0.68357235 -1.9511255
Round4886-----squared error: 3.9131 parameter: [18.398 1 -0.16391495]	0.68356358 -1.9511335
Round4887-----squared error: 3.9131 parameter: [18.398 5 -0.16391362]	0.68355481 -1.9511414
Round4888-----squared error: 3.9131 parameter: [18.398 7 -0.16391228]	0.68354606 -1.9511493
Round4889-----squared error: 3.9131 parameter: [18.398 9 -0.16391095]	0.68353732 -1.9511572
Round4890-----squared error: 3.9131 parameter: [18.398 -0.16390961]	0.68352858 -1.9511652
Round4891-----squared error: 3.9131 parameter: [18.398 1 -0.16390828]	0.68351985 -1.9511731
Round4892-----squared error: 3.9131 parameter: [18.398 -0.16390695]	0.68351113 -1.951181
Round4893-----squared error: 3.9131 parameter: [18.398 9 -0.16390563]	0.68350242 -1.9511888
Round4894-----squared error: 3.9131 parameter: [18.398 7 -0.1639043]	0.68349372 -1.9511967
Round4895-----squared error: 3.9131 parameter: [18.398 5 -0.16390297]	0.68348502 -1.9512046
Round4896-----squared error: 3.9131 parameter: [18.398 1 -0.16390165]	0.68347633 -1.9512125

Round4897-----squared error: 3.9131 parameter: [18.398 7 -0.16390033]	0.68346766 -1.9512203
Round4898-----squared error: 3.9131 parameter: [18.398 2 -0.163899]	0.68345899 -1.9512282
Round4899-----squared error: 3.9131 parameter: [18.398 7 -0.16389768]	0.68345033 -1.9512360
Round4900-----squared error: 3.9131 parameter: [18.398 -0.16389636]	0.68344167 -1.9512439
Round4901-----squared error: 3.9131 parameter: [18.398 3 -0.16389505]	0.68343303 -1.9512517
Round4902-----squared error: 3.9131 parameter: [18.398 5 -0.16389373]	0.68342439 -1.9512595
Round4903-----squared error: 3.9131 parameter: [18.398 6 -0.16389241]	0.68341576 -1.9512673
Round4904-----squared error: 3.9131 parameter: [18.398 7 -0.1638911]	0.68340714 -1.9512751
Round4905-----squared error: 3.9131 parameter: [18.398 7 -0.16388979]	0.68339853 -1.9512829
Round4906-----squared error: 3.9131 parameter: [18.398 6 -0.16388847]	0.68338993 -1.9512907
Round4907-----squared error: 3.9131 parameter: [18.398 4 -0.16388716]	0.68338133 -1.9512985
Round4908-----squared error: 3.9131 parameter: [18.398 2 -0.16388585]	0.68337275 -1.9513063
Round4909-----squared error: 3.9131 parameter: [18.398 8 -0.16388455]	0.68336417 -1.9513140
Round4910-----squared error: 3.9131 parameter: [18.398 5 -0.16388324]	0.6833556 -1.9513218
Round4911-----squared error: 3.9131 parameter: [18.398 -0.16388193]	0.68334704 -1.9513296
Round4912-----squared error: 3.9131 parameter: [18.398 4 -0.16388063]	0.68333848 -1.9513373
Round4913-----squared error: 3.9131 parameter: [18.398 8 -0.16387933]	0.68332994 -1.9513450
Round4914-----squared error: 3.9131 parameter: [18.398 1 -0.16387802]	0.6833214 -1.9513528
Round4915-----squared error: 3.9131 parameter: [18.398 4 -0.16387672]	0.68331287 -1.9513605
Round4916-----squared error: 3.9131 parameter: [18.398 5 -0.16387542]	0.68330435 -1.9513682
Round4917-----squared error: 3.9131 parameter: [18.398 6 -0.16387413]	0.68329584 -1.9513759
Round4918-----squared error: 3.9131 parameter: [18.398 6 -0.16387283]	0.68328733 -1.9513836
Round4919-----squared error: 3.9131 parameter: [18.398 5 -0.16387153]	0.68327884 -1.9513913
Round4920-----squared error: 3.9131 parameter: [18.398 4 -0.16387024]	0.68327035 -1.9513990
Round4921-----squared error: 3.9131 parameter: [18.398 2 -0.16386895]	0.68326187 -1.9514067
Round4922-----squared error: 3.9131 parameter: [18.398 9 -0.16386765]	0.6832534 -1.9514143
Round4923-----squared error: 3.9131 parameter: [18.398 5 -0.16386636]	0.68324493 -1.9514220
Round4924-----squared error: 3.9131 parameter: [18.398 1 -0.16386507]	0.68323648 -1.9514297
Round4925-----squared error: 3.9131 parameter: [18.398 6 -0.16386379]	0.68322803 -1.9514373
Round4926-----squared error: 3.9131 parameter: [18.398 -0.1638625]	0.68321959 -1.951445
Round4927-----squared error: 3.9131 parameter: [18.398 4 -0.16386121]	0.68321116 -1.9514526
Round4928-----squared error: 3.9131 parameter: [18.398 6 -0.16385993]	0.68320274 -1.9514602

Round4929-----squared error: 3.9131 parameter: [18.398 8 -0.16385865]	0.68319432 -1.9514678
Round4930-----squared error: 3.9131 parameter: [18.398 -0.16385736]	0.68318592 -1.9514755
Round4931-----squared error: 3.9131 parameter: [18.398 -0.16385608]	0.68317752 -1.9514831
Round4932-----squared error: 3.9131 parameter: [18.398 -0.1638548]	0.68316913 -1.9514907
Round4933-----squared error: 3.9131 parameter: [18.398 9 -0.16385353]	0.68316075 -1.9514982
Round4934-----squared error: 3.9131 parameter: [18.398 7 -0.16385225]	0.68315237 -1.9515058
Round4935-----squared error: 3.9131 parameter: [18.398 5 -0.16385097]	0.68314401 -1.9515134
Round4936-----squared error: 3.9131 parameter: [18.398 2 -0.1638497]	0.68313565 -1.9515210
Round4937-----squared error: 3.9131 parameter: [18.398 8 -0.16384842]	0.6831273 -1.9515285
Round4938-----squared error: 3.9131 parameter: [18.398 3 -0.16384715]	0.68311896 -1.9515361
Round4939-----squared error: 3.9131 parameter: [18.398 8 -0.16384588]	0.68311062 -1.9515436
Round4940-----squared error: 3.9131 parameter: [18.398 2 -0.16384461]	0.6831023 -1.9515512
Round4941-----squared error: 3.9131 parameter: [18.398 5 -0.16384334]	0.68309398 -1.9515587
Round4942-----squared error: 3.9131 parameter: [18.398 7 -0.16384208]	0.68308567 -1.9515662
Round4943-----squared error: 3.9131 parameter: [18.398 9 -0.16384081]	0.68307737 -1.9515737
Round4944-----squared error: 3.9131 parameter: [18.398 -0.16383955]	0.68306907 -1.9515813
Round4945-----squared error: 3.9131 parameter: [18.398 1 -0.16383828]	0.68306079 -1.9515888
Round4946-----squared error: 3.9131 parameter: [18.398 -0.16383702]	0.68305251 -1.9515963
Round4947-----squared error: 3.9131 parameter: [18.398 9 -0.16383576]	0.68304424 -1.9516037
Round4948-----squared error: 3.9131 parameter: [18.398 7 -0.1638345]	0.68303598 -1.9516112
Round4949-----squared error: 3.9131 parameter: [18.398 5 -0.16383324]	0.68302772 -1.9516187
Round4950-----squared error: 3.9131 parameter: [18.398 1 -0.16383198]	0.68301948 -1.9516262
Round4951-----squared error: 3.9131 parameter: [18.398 7 -0.16383073]	0.68301124 -1.9516336
Round4952-----squared error: 3.9131 parameter: [18.398 3 -0.16382947]	0.68300301 -1.9516411
Round4953-----squared error: 3.9131 parameter: [18.398 7 -0.16382822]	0.68299478 -1.9516485
Round4954-----squared error: 3.9131 parameter: [18.398 1 -0.16382696]	0.68298657 -1.9516560
Round4955-----squared error: 3.9131 parameter: [18.398 4 -0.16382571]	0.68297836 -1.9516634
Round4956-----squared error: 3.9131 parameter: [18.398 6 -0.16382446]	0.68297016 -1.9516708
Round4957-----squared error: 3.9131 parameter: [18.398 8 -0.16382321]	0.68296197 -1.9516782
Round4958-----squared error: 3.9131 parameter: [18.398 9 -0.16382196]	0.68295379 -1.9516856
Round4959-----squared error: 3.9131 parameter: [18.398 9 -0.16382072]	0.68294562 -1.9516930
Round4960-----squared error: 3.9131 parameter: [18.398 9 -0.16381947]	0.68293745 -1.9517004

Round4961-----squared error: 3.9131 parameter: [18.398 8 -0.16381823]	0.68292929 -1.9517078
Round4962-----squared error: 3.9131 parameter: [18.398 6 -0.16381698]	0.68292114 -1.9517152
Round4963-----squared error: 3.9131 parameter: [18.398 3 -0.16381574]	0.68291299 -1.9517226
Round4964-----squared error: 3.9131 parameter: [18.398 -0.1638145]	0.68290486 -1.95173
Round4965-----squared error: 3.9131 parameter: [18.398 6 -0.16381326]	0.68289673 -1.9517373
Round4966-----squared error: 3.9131 parameter: [18.398 1 -0.16381202]	0.68288861 -1.9517447
Round4967-----squared error: 3.9131 parameter: [18.398 6 -0.16381079]	0.6828805 -1.9517520
Round4968-----squared error: 3.9131 parameter: [18.398 -0.16380955]	0.68287239 -1.9517594
Round4969-----squared error: 3.9131 parameter: [18.398 3 -0.16380832]	0.6828643 -1.9517667
Round4970-----squared error: 3.9131 parameter: [18.398 5 -0.16380708]	0.68285621 -1.9517740
Round4971-----squared error: 3.9131 parameter: [18.398 7 -0.16380585]	0.68284813 -1.9517813
Round4972-----squared error: 3.9131 parameter: [18.398 8 -0.16380462]	0.68284005 -1.9517886
Round4973-----squared error: 3.9131 parameter: [18.398 8 -0.16380339]	0.68283199 -1.9517959
Round4974-----squared error: 3.9131 parameter: [18.398 8 -0.16380216]	0.68282393 -1.9518032
Round4975-----squared error: 3.9131 parameter: [18.398 7 -0.16380093]	0.68281588 -1.9518105
Round4976-----squared error: 3.9131 parameter: [18.398 5 -0.1637997]	0.68280784 -1.9518178
Round4977-----squared error: 3.9131 parameter: [18.398 3 -0.16379848]	0.6827998 -1.9518251
Round4978-----squared error: 3.9131 parameter: [18.398 -0.16379725]	0.68279178 -1.9518324
Round4979-----squared error: 3.9131 parameter: [18.398 6 -0.16379603]	0.68278376 -1.9518396
Round4980-----squared error: 3.9131 parameter: [18.398 1 -0.16379481]	0.68277575 -1.9518469
Round4981-----squared error: 3.9131 parameter: [18.398 6 -0.16379359]	0.68276774 -1.9518541
Round4982-----squared error: 3.9131 parameter: [18.398 -0.16379237]	0.68275975 -1.9518614
Round4983-----squared error: 3.9131 parameter: [18.398 3 -0.16379115]	0.68275176 -1.9518686
Round4984-----squared error: 3.9131 parameter: [18.398 6 -0.16378993]	0.68274378 -1.9518758
Round4985-----squared error: 3.9131 parameter: [18.398 8 -0.16378872]	0.68273581 -1.9518830
Round4986-----squared error: 3.9131 parameter: [18.398 9 -0.1637875]	0.68272784 -1.9518902
Round4987-----squared error: 3.9131 parameter: [18.398 -0.16378629]	0.68271988 -1.9518975
Round4988-----squared error: 3.9131 parameter: [18.398 9 -0.16378508]	0.68271193 -1.9519046
Round4989-----squared error: 3.9131 parameter: [18.398 9 -0.16378387]	0.68270399 -1.9519118
Round4990-----squared error: 3.9131 parameter: [18.398 7 -0.16378266]	0.68269606 -1.9519190
Round4991-----squared error: 3.9131 parameter: [18.398 5 -0.16378145]	0.68268813 -1.9519262
Round4992-----squared error: 3.9131 parameter: [18.398 2 -0.16378024]	0.68268021 -1.9519334

Round4993-----squared error: 3.9131 parameter: [18.398 8 -0.16377903]	0.6826723 -1.9519405
Round4994-----squared error: 3.9131 parameter: [18.398 4 -0.16377783]	0.6826644 -1.9519477
Round4995-----squared error: 3.9131 parameter: [18.398 9 -0.16377662]	0.6826565 -1.9519548
Round4996-----squared error: 3.9131 parameter: [18.398 3 -0.16377542]	0.68264861 -1.9519620
Round4997-----squared error: 3.9131 parameter: [18.398 7 -0.16377422]	0.68264073 -1.9519691
Round4998-----squared error: 3.9131 parameter: [18.398 -0.16377302]	0.68263286 -1.9519763
Round4999-----squared error: 3.9131 parameter: [18.398 2 -0.16377182]	0.68262499 -1.9519834
Round5000-----squared error: 3.9131 parameter: [18.398 4 -0.16377062]	0.68261713 -1.9519905
Round5001-----squared error: 3.9131 parameter: [18.398 5 -0.16376942]	0.68260928 -1.9519976
Round5002-----squared error: 3.9131 parameter: [18.398 5 -0.16376822]	0.68260144 -1.9520047
Round5003-----squared error: 3.9131 parameter: [18.398 4 -0.16376703]	0.6825936 -1.9520118
Round5004-----squared error: 3.9131 parameter: [18.398 3 -0.16376583]	0.68258577 -1.9520189
Round5005-----squared error: 3.9131 parameter: [18.398 1 -0.16376464]	0.68257795 -1.9520260
Round5006-----squared error: 3.9131 parameter: [18.398 9 -0.16376345]	0.68257014 -1.9520330
Round5007-----squared error: 3.9131 parameter: [18.398 6 -0.16376226]	0.68256233 -1.9520401
Round5008-----squared error: 3.9131 parameter: [18.398 2 -0.16376107]	0.68255454 -1.9520472
Round5009-----squared error: 3.9131 parameter: [18.398 7 -0.16375988]	0.68254674 -1.9520542
Round5010-----squared error: 3.9131 parameter: [18.398 2 -0.16375869]	0.68253896 -1.9520613
Round5011-----squared error: 3.9131 parameter: [18.398 6 -0.16375751]	0.68253119 -1.9520683
Round5012-----squared error: 3.9131 parameter: [18.398 9 -0.16375632]	0.68252342 -1.9520753
Round5013-----squared error: 3.9131 parameter: [18.398 2 -0.16375514]	0.68251566 -1.9520824
Round5014-----squared error: 3.9131 parameter: [18.398 4 -0.16375396]	0.6825079 -1.9520894
Round5015-----squared error: 3.9131 parameter: [18.398 6 -0.16375277]	0.68250016 -1.9520964
Round5016-----squared error: 3.9131 parameter: [18.398 6 -0.16375159]	0.68249242 -1.9521034
Round5017-----squared error: 3.9131 parameter: [18.398 6 -0.16375042]	0.68248469 -1.9521104
Round5018-----squared error: 3.9131 parameter: [18.398 6 -0.16374924]	0.68247697 -1.9521174
Round5019-----squared error: 3.9131 parameter: [18.398 4 -0.16374806]	0.68246925 -1.9521244
Round5020-----squared error: 3.9131 parameter: [18.398 2 -0.16374688]	0.68246154 -1.9521314
Round5021-----squared error: 3.9131 parameter: [18.398 -0.16374571]	0.68245384 -1.9521384
Round5022-----squared error: 3.9131 parameter: [18.398 6 -0.16374454]	0.68244615 -1.9521453
Round5023-----squared error: 3.9131 parameter: [18.398 2 -0.16374336]	0.68243846 -1.9521523
Round5024-----squared error: 3.9131 parameter: [18.398 8 -0.16374219]	0.68243078 -1.9521592

Round5025-----squared error: 3.9131 parameter: [18.398 2 -0.16374102]	0.68242311 -1.9521662
Round5026-----squared error: 3.9131 parameter: [18.398 6 -0.16373985]	0.68241545 -1.9521731
Round5027-----squared error: 3.9131 parameter: [18.398 -0.16373869]	0.68240779 -1.9521801
Round5028-----squared error: 3.9131 parameter: [18.398 2 -0.16373752]	0.68240014 -1.9521870
Round5029-----squared error: 3.9131 parameter: [18.398 4 -0.16373635]	0.6823925 -1.9521939
Round5030-----squared error: 3.9131 parameter: [18.398 5 -0.16373519]	0.68238486 -1.9522008
Round5031-----squared error: 3.9131 parameter: [18.398 6 -0.16373402]	0.68237724 -1.9522077
Round5032-----squared error: 3.9131 parameter: [18.398 6 -0.16373286]	0.68236962 -1.9522146
Round5033-----squared error: 3.9131 parameter: [18.398 5 -0.1637317]	0.682362 -1.9522215
Round5034-----squared error: 3.9131 parameter: [18.398 4 -0.16373054]	0.6823544 -1.9522284
Round5035-----squared error: 3.9131 parameter: [18.398 2 -0.16372938]	0.6823468 -1.9522353
Round5036-----squared error: 3.9131 parameter: [18.398 9 -0.16372822]	0.68233921 -1.9522421
Round5037-----squared error: 3.9131 parameter: [18.398 6 -0.16372707]	0.68233163 -1.9522490
Round5038-----squared error: 3.9131 parameter: [18.398 2 -0.16372591]	0.68232405 -1.9522559
Round5039-----squared error: 3.9131 parameter: [18.398 7 -0.16372476]	0.68231648 -1.9522627
Round5040-----squared error: 3.9131 parameter: [18.398 2 -0.1637236]	0.68230892 -1.9522696
Round5041-----squared error: 3.9131 parameter: [18.398 6 -0.16372245]	0.68230137 -1.9522764
Round5042-----squared error: 3.9131 parameter: [18.398 9 -0.1637213]	0.68229382 -1.9522832
Round5043-----squared error: 3.9131 parameter: [18.398 2 -0.16372015]	0.68228628 -1.9522901
Round5044-----squared error: 3.9131 parameter: [18.398 4 -0.163719]	0.68227875 -1.9522969
Round5045-----squared error: 3.9131 parameter: [18.398 5 -0.16371785]	0.68227122 -1.9523037
Round5046-----squared error: 3.9131 parameter: [18.398 6 -0.16371671]	0.6822637 -1.9523105
Round5047-----squared error: 3.9131 parameter: [18.398 6 -0.16371556]	0.68225619 -1.9523173
Round5048-----squared error: 3.9131 parameter: [18.398 6 -0.16371442]	0.68224869 -1.9523241
Round5049-----squared error: 3.9131 parameter: [18.398 4 -0.16371327]	0.68224119 -1.9523309
Round5050-----squared error: 3.9131 parameter: [18.398 2 -0.16371213]	0.68223371 -1.9523377
Round5051-----squared error: 3.9131 parameter: [18.398 -0.16371099]	0.68222622 -1.9523445
Round5052-----squared error: 3.9131 parameter: [18.398 7 -0.16370985]	0.68221875 -1.9523512
Round5053-----squared error: 3.9131 parameter: [18.398 3 -0.16370871]	0.68221128 -1.9523580
Round5054-----squared error: 3.9131 parameter: [18.398 8 -0.16370757]	0.68220382 -1.9523647
Round5055-----squared error: 3.9131 parameter: [18.398 3 -0.16370643]	0.68219637 -1.9523715
Round5056-----squared error: 3.9131 parameter: [18.398 7 -0.1637053]	0.68218892 -1.9523782

Round5057-----squared error: 3.9131 parameter: [18.398 1 -0.16370416]	0.68218149 -1.9523850
Round5058-----squared error: 3.9131 parameter: [18.398 4 -0.16370303]	0.68217405 -1.9523917
Round5059-----squared error: 3.9131 parameter: [18.398 6 -0.1637019]	0.68216663 -1.9523984
Round5060-----squared error: 3.9131 parameter: [18.398 8 -0.16370077]	0.68215921 -1.9524051
Round5061-----squared error: 3.9131 parameter: [18.398 9 -0.16369963]	0.6821518 -1.9524118
Round5062-----squared error: 3.9131 parameter: [18.398 9 -0.16369851]	0.6821444 -1.9524185
Round5063-----squared error: 3.9131 parameter: [18.398 9 -0.16369738]	0.682137 -1.9524252
Round5064-----squared error: 3.9131 parameter: [18.398 8 -0.16369625]	0.68212962 -1.9524319
Round5065-----squared error: 3.9131 parameter: [18.398 6 -0.16369512]	0.68212223 -1.9524386
Round5066-----squared error: 3.9131 parameter: [18.398 4 -0.163694]	0.68211486 -1.9524453
Round5067-----squared error: 3.9131 parameter: [18.398 1 -0.16369287]	0.68210749 -1.9524520
Round5068-----squared error: 3.9131 parameter: [18.398 7 -0.16369175]	0.68210013 -1.9524586
Round5069-----squared error: 3.9131 parameter: [18.398 3 -0.16369063]	0.68209278 -1.9524653
Round5070-----squared error: 3.9131 parameter: [18.398 8 -0.16368951]	0.68208543 -1.9524719
Round5071-----squared error: 3.9131 parameter: [18.398 3 -0.16368839]	0.68207809 -1.9524786
Round5072-----squared error: 3.9131 parameter: [18.398 7 -0.16368727]	0.68207076 -1.9524852
Round5073-----squared error: 3.9131 parameter: [18.398 -0.16368615]	0.68206344 -1.9524919
Round5074-----squared error: 3.9131 parameter: [18.398 2 -0.16368504]	0.68205612 -1.9524985
Round5075-----squared error: 3.9131 parameter: [18.398 4 -0.16368392]	0.68204881 -1.9525051
Round5076-----squared error: 3.9131 parameter: [18.398 6 -0.16368281]	0.68204151 -1.9525117
Round5077-----squared error: 3.9131 parameter: [18.398 6 -0.16368169]	0.68203421 -1.9525183
Round5078-----squared error: 3.9131 parameter: [18.398 7 -0.16368058]	0.68202692 -1.9525249
Round5079-----squared error: 3.9131 parameter: [18.398 6 -0.16367947]	0.68201964 -1.9525315
Round5080-----squared error: 3.9131 parameter: [18.398 5 -0.16367836]	0.68201236 -1.9525381
Round5081-----squared error: 3.9131 parameter: [18.398 3 -0.16367725]	0.68200509 -1.9525447
Round5082-----squared error: 3.9131 parameter: [18.398 -0.16367614]	0.68199783 -1.9525513
Round5083-----squared error: 3.9131 parameter: [18.398 7 -0.16367504]	0.68199058 -1.9525578
Round5084-----squared error: 3.9131 parameter: [18.398 3 -0.16367393]	0.68198333 -1.9525644
Round5085-----squared error: 3.9131 parameter: [18.398 9 -0.16367283]	0.68197609 -1.9525709
Round5086-----squared error: 3.9131 parameter: [18.398 4 -0.16367172]	0.68196885 -1.9525775
Round5087-----squared error: 3.9131 parameter: [18.398 8 -0.16367062]	0.68196163 -1.9525840
Round5088-----squared error: 3.9131 parameter: [18.398 2 -0.16366952]	0.68195441 -1.9525906

Round5089-----squared error: 3.9131 parameter: [18.398 5 -0.16366842]	0.68194719 -1.9525971
Round5090-----squared error: 3.9131 parameter: [18.398 8 -0.16366732]	0.68193999 -1.9526036
Round5091-----squared error: 3.9131 parameter: [18.398 -0.16366622]	0.68193279 -1.9526102
Round5092-----squared error: 3.9131 parameter: [18.398 1 -0.16366512]	0.6819256 -1.9526167
Round5093-----squared error: 3.9131 parameter: [18.398 1 -0.16366403]	0.68191841 -1.9526232
Round5094-----squared error: 3.9131 parameter: [18.398 1 -0.16366293]	0.68191123 -1.9526297
Round5095-----squared error: 3.9131 parameter: [18.398 1 -0.16366184]	0.68190406 -1.9526362
Round5096-----squared error: 3.9131 parameter: [18.398 9 -0.16366075]	0.6818969 -1.9526426
Round5097-----squared error: 3.9131 parameter: [18.398 7 -0.16365965]	0.68188974 -1.9526491
Round5098-----squared error: 3.9131 parameter: [18.398 5 -0.16365856]	0.68188259 -1.9526556
Round5099-----squared error: 3.9131 parameter: [18.398 2 -0.16365747]	0.68187545 -1.9526621
Round5100-----squared error: 3.9131 parameter: [18.398 8 -0.16365638]	0.68186831 -1.9526685
Round5101-----squared error: 3.9131 parameter: [18.398 3 -0.1636553]	0.68186118 -1.9526750
Round5102-----squared error: 3.9131 parameter: [18.398 8 -0.16365421]	0.68185406 -1.9526814
Round5103-----squared error: 3.9131 parameter: [18.398 3 -0.16365312]	0.68184694 -1.9526879
Round5104-----squared error: 3.9131 parameter: [18.398 6 -0.16365204]	0.68183983 -1.9526943
Round5105-----squared error: 3.9131 parameter: [18.398 -0.16365096]	0.68183273 -1.9527008
Round5106-----squared error: 3.9131 parameter: [18.398 2 -0.16364987]	0.68182563 -1.9527072
Round5107-----squared error: 3.9131 parameter: [18.398 4 -0.16364879]	0.68181855 -1.9527136
Round5108-----squared error: 3.9131 parameter: [18.398 5 -0.16364771]	0.68181146 -1.9527200
Round5109-----squared error: 3.9131 parameter: [18.398 6 -0.16364663]	0.68180439 -1.9527264
Round5110-----squared error: 3.9131 parameter: [18.398 6 -0.16364555]	0.68179732 -1.9527328
Round5111-----squared error: 3.9131 parameter: [18.398 5 -0.16364448]	0.68179026 -1.9527392
Round5112-----squared error: 3.9131 parameter: [18.398 4 -0.1636434]	0.6817832 -1.9527456
Round5113-----squared error: 3.9131 parameter: [18.398 2 -0.16364232]	0.68177616 -1.9527520
Round5114-----squared error: 3.9131 parameter: [18.398 -0.16364125]	0.68176912 -1.9527584
Round5115-----squared error: 3.9131 parameter: [18.398 7 -0.16364018]	0.68176208 -1.9527647
Round5116-----squared error: 3.9131 parameter: [18.398 3 -0.1636391]	0.68175505 -1.9527711
Round5117-----squared error: 3.9131 parameter: [18.398 9 -0.16363803]	0.68174803 -1.9527774
Round5118-----squared error: 3.9131 parameter: [18.398 4 -0.16363696]	0.68174102 -1.9527838
Round5119-----squared error: 3.9131 parameter: [18.398 8 -0.16363589]	0.68173401 -1.9527901
Round5120-----squared error: 3.9131 parameter: [18.398 2 -0.16363483]	0.68172701 -1.9527965

Round5121-----squared error: 3.9131 parameter: [18.398 5 -0.16363376]	0.68172002 -1.9528028
Round5122-----squared error: 3.9131 parameter: [18.398 8 -0.16363269]	0.68171303 -1.9528091
Round5123-----squared error: 3.9131 parameter: [18.398 -0.16363163]	0.68170605 -1.9528155
Round5124-----squared error: 3.9131 parameter: [18.398 1 -0.16363056]	0.68169908 -1.9528218
Round5125-----squared error: 3.9131 parameter: [18.398 2 -0.1636295]	0.68169211 -1.9528281
Round5126-----squared error: 3.9131 parameter: [18.398 3 -0.16362844]	0.68168515 -1.9528344
Round5127-----squared error: 3.9131 parameter: [18.398 2 -0.16362738]	0.68167819 -1.9528407
Round5128-----squared error: 3.9131 parameter: [18.398 1 -0.16362632]	0.68167125 -1.9528470
Round5129-----squared error: 3.9131 parameter: [18.398 -0.16362526]	0.68166431 -1.9528533
Round5130-----squared error: 3.9131 parameter: [18.398 7 -0.1636242]	0.68165737 -1.9528595
Round5131-----squared error: 3.9131 parameter: [18.398 5 -0.16362314]	0.68165045 -1.9528658
Round5132-----squared error: 3.9131 parameter: [18.398 1 -0.16362209]	0.68164353 -1.9528721
Round5133-----squared error: 3.9131 parameter: [18.398 7 -0.16362103]	0.68163661 -1.9528783
Round5134-----squared error: 3.9131 parameter: [18.398 2 -0.16361998]	0.68162971 -1.9528846
Round5135-----squared error: 3.9131 parameter: [18.398 7 -0.16361893]	0.68162281 -1.9528908
Round5136-----squared error: 3.9131 parameter: [18.398 1 -0.16361787]	0.68161591 -1.9528971
Round5137-----squared error: 3.9131 parameter: [18.398 5 -0.16361682]	0.68160903 -1.9529033
Round5138-----squared error: 3.9131 parameter: [18.398 8 -0.16361577]	0.68160215 -1.9529095
Round5139-----squared error: 3.9131 parameter: [18.398 -0.16361473]	0.68159527 -1.9529158
Round5140-----squared error: 3.9131 parameter: [18.398 2 -0.16361368]	0.68158841 -1.9529220
Round5141-----squared error: 3.9131 parameter: [18.398 3 -0.16361263]	0.68158155 -1.9529282
Round5142-----squared error: 3.9131 parameter: [18.398 4 -0.16361159]	0.68157469 -1.9529344
Round5143-----squared error: 3.9131 parameter: [18.398 4 -0.16361054]	0.68156784 -1.9529406
Round5144-----squared error: 3.9131 parameter: [18.398 3 -0.1636095]	0.681561 -1.9529468
Round5145-----squared error: 3.9131 parameter: [18.398 2 -0.16360845]	0.68155417 -1.9529530
Round5146-----squared error: 3.9131 parameter: [18.398 -0.16360741]	0.68154734 -1.9529592
Round5147-----squared error: 3.9131 parameter: [18.398 8 -0.16360637]	0.68154052 -1.9529653
Round5148-----squared error: 3.9131 parameter: [18.398 5 -0.16360533]	0.68153371 -1.9529715
Round5149-----squared error: 3.9131 parameter: [18.398 1 -0.16360429]	0.6815269 -1.9529777
Round5150-----squared error: 3.9131 parameter: [18.398 7 -0.16360326]	0.6815201 -1.9529838
Round5151-----squared error: 3.9131 parameter: [18.398 2 -0.16360222]	0.6815133 -1.9529900
Round5152-----squared error: 3.9131 parameter: [18.398 7 -0.16360118]	0.68150652 -1.9529961

Round5153-----squared error: 3.9131 parameter: [18.398 1 -0.16360015]	0.68149973 -1.9530023
Round5154-----squared error: 3.9131 parameter: [18.398 4 -0.16359911]	0.68149296 -1.9530084
Round5155-----squared error: 3.9131 parameter: [18.398 7 -0.16359808]	0.68148619 -1.9530145
Round5156-----squared error: 3.9131 parameter: [18.398 9 -0.16359705]	0.68147943 -1.9530206
Round5157-----squared error: 3.9131 parameter: [18.398 1 -0.16359602]	0.68147267 -1.9530268
Round5158-----squared error: 3.9131 parameter: [18.398 2 -0.16359499]	0.68146592 -1.9530329
Round5159-----squared error: 3.9131 parameter: [18.398 3 -0.16359396]	0.68145918 -1.9530390
Round5160-----squared error: 3.9131 parameter: [18.398 3 -0.16359293]	0.68145245 -1.9530451
Round5161-----squared error: 3.9131 parameter: [18.398 2 -0.16359191]	0.68144572 -1.9530512
Round5162-----squared error: 3.9131 parameter: [18.398 1 -0.16359088]	0.68143899 -1.9530573
Round5163-----squared error: 3.9131 parameter: [18.398 9 -0.16358985]	0.68143228 -1.9530633
Round5164-----squared error: 3.9131 parameter: [18.398 6 -0.16358883]	0.68142557 -1.9530694
Round5165-----squared error: 3.9131 parameter: [18.398 3 -0.16358781]	0.68141886 -1.9530755
Round5166-----squared error: 3.9131 parameter: [18.398 -0.16358679]	0.68141217 -1.9530816
Round5167-----squared error: 3.9131 parameter: [18.398 5 -0.16358576]	0.68140548 -1.9530876
Round5168-----squared error: 3.9131 parameter: [18.398 1 -0.16358474]	0.68139879 -1.9530937
Round5169-----squared error: 3.9131 parameter: [18.398 5 -0.16358373]	0.68139211 -1.9530997
Round5170-----squared error: 3.9131 parameter: [18.398 9 -0.16358271]	0.68138544 -1.9531057
Round5171-----squared error: 3.9131 parameter: [18.398 3 -0.16358169]	0.68137878 -1.9531118
Round5172-----squared error: 3.9131 parameter: [18.398 6 -0.16358067]	0.68137212 -1.9531178
Round5173-----squared error: 3.9131 parameter: [18.398 8 -0.16357966]	0.68136547 -1.9531238
Round5174-----squared error: 3.9131 parameter: [18.398 -0.16357865]	0.68135882 -1.9531299
Round5175-----squared error: 3.9131 parameter: [18.398 1 -0.16357763]	0.68135218 -1.9531359
Round5176-----squared error: 3.9131 parameter: [18.398 1 -0.16357662]	0.68134555 -1.9531419
Round5177-----squared error: 3.9131 parameter: [18.398 1 -0.16357561]	0.68133892 -1.9531479
Round5178-----squared error: 3.9131 parameter: [18.398 1 -0.1635746]	0.6813323 -1.9531539
Round5179-----squared error: 3.9131 parameter: [18.398 -0.16357359]	0.68132569 -1.9531599
Round5180-----squared error: 3.9131 parameter: [18.398 8 -0.16357258]	0.68131908 -1.9531658
Round5181-----squared error: 3.9131 parameter: [18.398 6 -0.16357157]	0.68131248 -1.9531718
Round5182-----squared error: 3.9131 parameter: [18.398 3 -0.16357057]	0.68130589 -1.9531778
Round5183-----squared error: 3.9131 parameter: [18.398 9 -0.16356956]	0.6812993 -1.9531837
Round5184-----squared error: 3.9131 parameter: [18.398 5 -0.16356856]	0.68129271 -1.9531897

Round5185-----squared error: 3.9131 parameter: [18.398 1 -0.16356755]	0.68128614 -1.9531957
Round5186-----squared error: 3.9131 parameter: [18.398 5 -0.16356655]	0.68127957 -1.9532016
Round5187-----squared error: 3.9131 parameter: [18.398 -0.16356555]	0.68127301 -1.9532076
Round5188-----squared error: 3.9131 parameter: [18.398 3 -0.16356455]	0.68126645 -1.9532135
Round5189-----squared error: 3.9131 parameter: [18.398 6 -0.16356355]	0.6812599 -1.9532194
Round5190-----squared error: 3.9131 parameter: [18.398 9 -0.16356255]	0.68125336 -1.9532253
Round5191-----squared error: 3.9131 parameter: [18.398 1 -0.16356155]	0.68124682 -1.9532313
Round5192-----squared error: 3.9131 parameter: [18.398 2 -0.16356056]	0.68124029 -1.9532372
Round5193-----squared error: 3.9131 parameter: [18.398 3 -0.16355956]	0.68123376 -1.9532431
Round5194-----squared error: 3.9131 parameter: [18.398 3 -0.16355857]	0.68122724 -1.9532490
Round5195-----squared error: 3.9131 parameter: [18.398 3 -0.16355757]	0.68122073 -1.9532549
Round5196-----squared error: 3.9131 parameter: [18.398 2 -0.16355658]	0.68121422 -1.9532608
Round5197-----squared error: 3.9131 parameter: [18.398 1 -0.16355559]	0.68120772 -1.9532667
Round5198-----squared error: 3.9131 parameter: [18.398 9 -0.1635546]	0.68120123 -1.9532725
Round5199-----squared error: 3.9131 parameter: [18.398 6 -0.16355361]	0.68119474 -1.9532784
Round5200-----squared error: 3.9131 parameter: [18.398 3 -0.16355262]	0.68118826 -1.9532843
Round5201-----squared error: 3.9131 parameter: [18.398 9 -0.16355163]	0.68118179 -1.9532901
Round5202-----squared error: 3.9131 parameter: [18.398 5 -0.16355064]	0.68117532 -1.9532960
Round5203-----squared error: 3.9131 parameter: [18.398 -0.16354966]	0.68116885 -1.9533019
Round5204-----squared error: 3.9131 parameter: [18.398 5 -0.16354867]	0.6811624 -1.9533077
Round5205-----squared error: 3.9131 parameter: [18.398 9 -0.16354769]	0.68115595 -1.9533135
Round5206-----squared error: 3.9131 parameter: [18.398 2 -0.1635467]	0.6811495 -1.9533194
Round5207-----squared error: 3.9131 parameter: [18.398 5 -0.16354572]	0.68114307 -1.9533252
Round5208-----squared error: 3.9131 parameter: [18.398 7 -0.16354474]	0.68113663 -1.9533310
Round5209-----squared error: 3.9131 parameter: [18.398 9 -0.16354376]	0.68113021 -1.9533368
Round5210-----squared error: 3.9131 parameter: [18.398 -0.16354278]	0.68112379 -1.9533427
Round5211-----squared error: 3.9131 parameter: [18.398 1 -0.1635418]	0.68111738 -1.9533485
Round5212-----squared error: 3.9131 parameter: [18.398 1 -0.16354082]	0.68111097 -1.9533543
Round5213-----squared error: 3.9131 parameter: [18.398 1 -0.16353985]	0.68110457 -1.9533601
Round5214-----squared error: 3.9131 parameter: [18.398 -0.16353887]	0.68109817 -1.9533659
Round5215-----squared error: 3.9131 parameter: [18.398 8 -0.1635379]	0.68109179 -1.9533716
Round5216-----squared error: 3.9131 parameter: [18.398 6 -0.16353692]	0.6810854 -1.9533774

Round5217-----squared error: 3.9131 parameter: [18.398 3 -0.16353595]	0.68107903 -1.9533832
Round5218-----squared error: 3.9131 parameter: [18.398 -0.16353498]	0.68107266 -1.953389
Round5219-----squared error: 3.9131 parameter: [18.398 6 -0.16353401]	0.68106629 -1.9533947
Round5220-----squared error: 3.9131 parameter: [18.398 2 -0.16353304]	0.68105994 -1.9534005
Round5221-----squared error: 3.9131 parameter: [18.398 7 -0.16353207]	0.68105359 -1.9534062
Round5222-----squared error: 3.9131 parameter: [18.398 1 -0.1635311]	0.68104724 -1.9534120
Round5223-----squared error: 3.9131 parameter: [18.398 5 -0.16353013]	0.6810409 -1.9534177
Round5224-----squared error: 3.9131 parameter: [18.398 9 -0.16352916]	0.68103457 -1.9534234
Round5225-----squared error: 3.9131 parameter: [18.398 2 -0.1635282]	0.68102824 -1.9534292
Round5226-----squared error: 3.9131 parameter: [18.398 4 -0.16352723]	0.68102192 -1.9534349
Round5227-----squared error: 3.9131 parameter: [18.398 6 -0.16352627]	0.6810156 -1.9534406
Round5228-----squared error: 3.9131 parameter: [18.398 7 -0.16352531]	0.6810093 -1.9534463
Round5229-----squared error: 3.9131 parameter: [18.398 8 -0.16352435]	0.68100299 -1.9534520
Round5230-----squared error: 3.9131 parameter: [18.398 8 -0.16352338]	0.6809967 -1.9534577
Round5231-----squared error: 3.9131 parameter: [18.398 7 -0.16352242]	0.68099041 -1.9534634
Round5232-----squared error: 3.9131 parameter: [18.398 6 -0.16352147]	0.68098412 -1.9534691
Round5233-----squared error: 3.9131 parameter: [18.398 5 -0.16352051]	0.68097784 -1.9534748
Round5234-----squared error: 3.9131 parameter: [18.398 3 -0.16351955]	0.68097157 -1.9534805
Round5235-----squared error: 3.9131 parameter: [18.398 -0.16351859]	0.6809653 -1.9534862
Round5236-----squared error: 3.9131 parameter: [18.398 7 -0.16351764]	0.68095904 -1.9534918
Round5237-----squared error: 3.9131 parameter: [18.398 3 -0.16351668]	0.68095279 -1.9534975
Round5238-----squared error: 3.9131 parameter: [18.398 9 -0.16351573]	0.68094654 -1.9535031
Round5239-----squared error: 3.9131 parameter: [18.398 4 -0.16351478]	0.6809403 -1.9535088
Round5240-----squared error: 3.9131 parameter: [18.398 9 -0.16351383]	0.68093406 -1.9535144
Round5241-----squared error: 3.9131 parameter: [18.398 3 -0.16351287]	0.68092783 -1.9535201
Round5242-----squared error: 3.9131 parameter: [18.398 7 -0.16351192]	0.68092161 -1.9535257
Round5243-----squared error: 3.9131 parameter: [18.398 -0.16351098]	0.68091539 -1.9535314
Round5244-----squared error: 3.9131 parameter: [18.398 2 -0.16351003]	0.68090918 -1.9535370
Round5245-----squared error: 3.9131 parameter: [18.398 4 -0.16350908]	0.68090297 -1.9535426
Round5246-----squared error: 3.9131 parameter: [18.398 5 -0.16350813]	0.68089677 -1.9535482
Round5247-----squared error: 3.9131 parameter: [18.398 6 -0.16350719]	0.68089057 -1.9535538
Round5248-----squared error: 3.9131 parameter: [18.398 7 -0.16350624]	0.68088439 -1.9535594

Round5249-----squared error: 3.9131 parameter: [18.398 6 -0.1635053]	0.6808782 -1.9535650
Round5250-----squared error: 3.9131 parameter: [18.398 6 -0.16350436]	0.68087203 -1.9535706
Round5251-----squared error: 3.9131 parameter: [18.398 4 -0.16350342]	0.68086586 -1.9535762
Round5252-----squared error: 3.9131 parameter: [18.398 2 -0.16350248]	0.68085969 -1.9535818
Round5253-----squared error: 3.9131 parameter: [18.398 -0.16350154]	0.68085353 -1.9535874
Round5254-----squared error: 3.9131 parameter: [18.398 7 -0.1635006]	0.68084738 -1.9535929
Round5255-----squared error: 3.9131 parameter: [18.398 4 -0.16349966]	0.68084123 -1.9535985
Round5256-----squared error: 3.9131 parameter: [18.398 -0.16349872]	0.68083509 -1.9536041
Round5257-----squared error: 3.9131 parameter: [18.398 5 -0.16349778]	0.68082896 -1.9536096
Round5258-----squared error: 3.9131 parameter: [18.398 -0.16349685]	0.68082283 -1.9536152
Round5259-----squared error: 3.9131 parameter: [18.398 5 -0.16349591]	0.68081671 -1.9536207
Round5260-----squared error: 3.9131 parameter: [18.398 8 -0.16349498]	0.68081059 -1.9536262
Round5261-----squared error: 3.9131 parameter: [18.398 2 -0.16349405]	0.68080448 -1.9536318
Round5262-----squared error: 3.9131 parameter: [18.398 5 -0.16349312]	0.68079837 -1.9536373
Round5263-----squared error: 3.9131 parameter: [18.398 7 -0.16349219]	0.68079227 -1.9536428
Round5264-----squared error: 3.9131 parameter: [18.398 9 -0.16349126]	0.68078618 -1.9536483
Round5265-----squared error: 3.9131 parameter: [18.398 -0.16349033]	0.68078009 -1.9536539
Round5266-----squared error: 3.9131 parameter: [18.398 1 -0.1634894]	0.68077401 -1.9536594
Round5267-----squared error: 3.9131 parameter: [18.398 1 -0.16348847]	0.68076793 -1.9536649
Round5268-----squared error: 3.9131 parameter: [18.398 -0.16348754]	0.68076186 -1.9536704
Round5269-----squared error: 3.9131 parameter: [18.398 9 -0.16348662]	0.6807558 -1.9536758
Round5270-----squared error: 3.9131 parameter: [18.398 8 -0.16348569]	0.68074974 -1.9536813
Round5271-----squared error: 3.9131 parameter: [18.398 6 -0.16348477]	0.68074368 -1.9536868
Round5272-----squared error: 3.9131 parameter: [18.398 4 -0.16348385]	0.68073764 -1.9536923
Round5273-----squared error: 3.9131 parameter: [18.398 -0.16348293]	0.6807316 -1.9536978
Round5274-----squared error: 3.9131 parameter: [18.398 7 -0.163482]	0.68072556 -1.9537032
Round5275-----squared error: 3.9131 parameter: [18.398 3 -0.16348108]	0.68071953 -1.9537087
Round5276-----squared error: 3.9131 parameter: [18.398 8 -0.16348016]	0.68071351 -1.9537141
Round5277-----squared error: 3.9131 parameter: [18.398 3 -0.16347925]	0.68070749 -1.9537196
Round5278-----squared error: 3.9131 parameter: [18.398 7 -0.16347833]	0.68070148 -1.9537250
Round5279-----squared error: 3.9131 parameter: [18.398 1 -0.16347741]	0.68069547 -1.9537305
Round5280-----squared error: 3.9131 parameter: [18.398 5 -0.1634765]	0.68068947 -1.9537359

Round5281-----squared error: 3.9131 parameter: [18.398 7 -0.16347558]	0.68068348 -1.9537413
Round5282-----squared error: 3.9131 parameter: [18.398 -0.16347467]	0.68067749 -1.9537468
Round5283-----squared error: 3.9131 parameter: [18.398 1 -0.16347375]	0.6806715 -1.9537522
Round5284-----squared error: 3.9131 parameter: [18.398 3 -0.16347284]	0.68066553 -1.9537576
Round5285-----squared error: 3.9131 parameter: [18.398 3 -0.16347193]	0.68065955 -1.9537630
Round5286-----squared error: 3.9131 parameter: [18.398 3 -0.16347102]	0.68065359 -1.9537684
Round5287-----squared error: 3.9131 parameter: [18.398 3 -0.16347011]	0.68064763 -1.9537738
Round5288-----squared error: 3.9131 parameter: [18.398 2 -0.1634692]	0.68064167 -1.9537792
Round5289-----squared error: 3.9131 parameter: [18.398 1 -0.16346829]	0.68063572 -1.9537846
Round5290-----squared error: 3.9131 parameter: [18.398 9 -0.16346739]	0.68062978 -1.9537899
Round5291-----squared error: 3.9131 parameter: [18.398 7 -0.16346648]	0.68062384 -1.9537953
Round5292-----squared error: 3.9131 parameter: [18.398 4 -0.16346557]	0.68061791 -1.9538007
Round5293-----squared error: 3.9131 parameter: [18.398 -0.16346467]	0.68061199 -1.9538061
Round5294-----squared error: 3.9131 parameter: [18.398 6 -0.16346377]	0.68060607 -1.9538114
Round5295-----squared error: 3.9131 parameter: [18.398 2 -0.16346286]	0.68060015 -1.9538168
Round5296-----squared error: 3.9131 parameter: [18.398 7 -0.16346196]	0.68059424 -1.9538221
Round5297-----squared error: 3.9131 parameter: [18.398 1 -0.16346106]	0.68058834 -1.9538275
Round5298-----squared error: 3.9131 parameter: [18.398 5 -0.16346016]	0.68058244 -1.9538328
Round5299-----squared error: 3.9131 parameter: [18.398 9 -0.16345926]	0.68057655 -1.9538381
Round5300-----squared error: 3.9131 parameter: [18.398 1 -0.16345836]	0.68057067 -1.9538435
Round5301-----squared error: 3.9131 parameter: [18.398 4 -0.16345747]	0.68056478 -1.9538488
Round5302-----squared error: 3.9131 parameter: [18.398 6 -0.16345657]	0.68055891 -1.9538541
Round5303-----squared error: 3.9131 parameter: [18.398 7 -0.16345567]	0.68055304 -1.9538594
Round5304-----squared error: 3.9131 parameter: [18.398 8 -0.16345478]	0.68054718 -1.9538647
Round5305-----squared error: 3.9131 parameter: [18.398 8 -0.16345388]	0.68054132 -1.9538700
Round5306-----squared error: 3.9131 parameter: [18.398 8 -0.16345299]	0.68053547 -1.9538753
Round5307-----squared error: 3.9131 parameter: [18.398 8 -0.1634521]	0.68052962 -1.9538806
Round5308-----squared error: 3.9131 parameter: [18.398 7 -0.16345121]	0.68052378 -1.9538859
Round5309-----squared error: 3.9131 parameter: [18.398 5 -0.16345032]	0.68051794 -1.9538912
Round5310-----squared error: 3.9131 parameter: [18.398 3 -0.16344943]	0.68051212 -1.9538965
Round5311-----squared error: 3.9131 parameter: [18.398 -0.16344854]	0.68050629 -1.9539018
Round5312-----squared error: 3.9131 parameter: [18.398 7 -0.16344765]	0.68050047 -1.9539070

Round5313-----squared error: 3.9131 parameter: [18.398 3 -0.16344676]	0.68049466 -1.9539123
Round5314-----squared error: 3.9131 parameter: [18.398 9 -0.16344588]	0.68048885 -1.9539175
Round5315-----squared error: 3.9131 parameter: [18.398 4 -0.16344499]	0.68048305 -1.9539228
Round5316-----squared error: 3.9131 parameter: [18.398 9 -0.16344411]	0.68047725 -1.9539280
Round5317-----squared error: 3.9131 parameter: [18.398 3 -0.16344322]	0.68047146 -1.9539333
Round5318-----squared error: 3.9131 parameter: [18.398 7 -0.16344234]	0.68046568 -1.9539385
Round5319-----squared error: 3.9131 parameter: [18.398 -0.16344146]	0.6804599 -1.9539438
Round5320-----squared error: 3.9131 parameter: [18.398 3 -0.16344058]	0.68045413 -1.9539490
Round5321-----squared error: 3.9131 parameter: [18.398 5 -0.1634397]	0.68044836 -1.9539542
Round5322-----squared error: 3.9131 parameter: [18.398 7 -0.16343882]	0.6804426 -1.9539594
Round5323-----squared error: 3.9131 parameter: [18.398 8 -0.16343794]	0.68043684 -1.9539646
Round5324-----squared error: 3.9131 parameter: [18.398 9 -0.16343706]	0.68043109 -1.9539698
Round5325-----squared error: 3.9131 parameter: [18.398 9 -0.16343618]	0.68042534 -1.9539750
Round5326-----squared error: 3.9131 parameter: [18.398 9 -0.16343531]	0.6804196 -1.9539802
Round5327-----squared error: 3.9131 parameter: [18.398 8 -0.16343443]	0.68041387 -1.9539854
Round5328-----squared error: 3.9131 parameter: [18.398 7 -0.16343356]	0.68040814 -1.9539906
Round5329-----squared error: 3.9131 parameter: [18.398 5 -0.16343268]	0.68040241 -1.9539958
Round5330-----squared error: 3.9131 parameter: [18.398 3 -0.16343181]	0.68039669 -1.9540010
Round5331-----squared error: 3.9131 parameter: [18.398 -0.16343094]	0.68039098 -1.9540062
Round5332-----squared error: 3.9131 parameter: [18.398 7 -0.16343007]	0.68038527 -1.9540113
Round5333-----squared error: 3.9131 parameter: [18.398 3 -0.1634292]	0.68037957 -1.9540165
Round5334-----squared error: 3.9131 parameter: [18.398 9 -0.16342833]	0.68037388 -1.9540216
Round5335-----squared error: 3.9131 parameter: [18.398 4 -0.16342746]	0.68036818 -1.9540268
Round5336-----squared error: 3.9131 parameter: [18.398 9 -0.16342659]	0.6803625 -1.9540319
Round5337-----squared error: 3.9131 parameter: [18.398 3 -0.16342572]	0.68035682 -1.9540371
Round5338-----squared error: 3.9131 parameter: [18.398 7 -0.16342486]	0.68035114 -1.9540422
Round5339-----squared error: 3.9131 parameter: [18.398 -0.16342399]	0.68034548 -1.9540474
Round5340-----squared error: 3.9131 parameter: [18.398 3 -0.16342313]	0.68033981 -1.9540525
Round5341-----squared error: 3.9131 parameter: [18.398 5 -0.16342226]	0.68033415 -1.9540576
Round5342-----squared error: 3.9131 parameter: [18.398 7 -0.1634214]	0.6803285 -1.9540627
Round5343-----squared error: 3.9131 parameter: [18.398 9 -0.16342054]	0.68032285 -1.9540678
Round5344-----squared error: 3.9131 parameter: [18.398 9 -0.16341968]	0.68031721 -1.9540729

Round5345-----squared error: 3.9131 parameter: [18.398 -0.16341882]	0.68031158 -1.9540781
Round5346-----squared error: 3.9131 parameter: [18.398 9 -0.16341796]	0.68030594 -1.9540831
Round5347-----squared error: 3.9131 parameter: [18.398 9 -0.1634171]	0.68030032 -1.9540882
Round5348-----squared error: 3.9131 parameter: [18.398 8 -0.16341624]	0.6802947 -1.9540933
Round5349-----squared error: 3.9131 parameter: [18.398 6 -0.16341538]	0.68028908 -1.9540984
Round5350-----squared error: 3.9131 parameter: [18.398 4 -0.16341453]	0.68028347 -1.9541035
Round5351-----squared error: 3.9131 parameter: [18.398 1 -0.16341367]	0.68027787 -1.9541086
Round5352-----squared error: 3.9131 parameter: [18.398 8 -0.16341282]	0.68027227 -1.9541136
Round5353-----squared error: 3.9131 parameter: [18.398 5 -0.16341196]	0.68026668 -1.9541187
Round5354-----squared error: 3.9131 parameter: [18.398 -0.16341111]	0.68026109 -1.9541238
Round5355-----squared error: 3.9131 parameter: [18.398 6 -0.16341026]	0.68025551 -1.9541288
Round5356-----squared error: 3.9131 parameter: [18.398 1 -0.16340941]	0.68024993 -1.9541339
Round5357-----squared error: 3.9131 parameter: [18.398 5 -0.16340856]	0.68024436 -1.9541389
Round5358-----squared error: 3.9131 parameter: [18.398 9 -0.16340771]	0.68023879 -1.9541439
Round5359-----squared error: 3.9131 parameter: [18.398 3 -0.16340686]	0.68023323 -1.9541490
Round5360-----squared error: 3.9131 parameter: [18.398 6 -0.16340601]	0.68022768 -1.9541540
Round5361-----squared error: 3.9131 parameter: [18.398 8 -0.16340516]	0.68022213 -1.9541590
Round5362-----squared error: 3.9131 parameter: [18.398 -0.16340432]	0.68021658 -1.9541641
Round5363-----squared error: 3.9131 parameter: [18.398 2 -0.16340347]	0.68021104 -1.9541691
Round5364-----squared error: 3.9131 parameter: [18.398 3 -0.16340263]	0.68020551 -1.9541741
Round5365-----squared error: 3.9131 parameter: [18.398 3 -0.16340178]	0.68019998 -1.9541791
Round5366-----squared error: 3.9131 parameter: [18.398 4 -0.16340094]	0.68019446 -1.9541841
Round5367-----squared error: 3.9131 parameter: [18.398 3 -0.1634001]	0.68018894 -1.9541891
Round5368-----squared error: 3.9131 parameter: [18.398 2 -0.16339926]	0.68018343 -1.9541941
Round5369-----squared error: 3.9131 parameter: [18.398 1 -0.16339842]	0.68017792 -1.9541991
Round5370-----squared error: 3.9131 parameter: [18.398 9 -0.16339758]	0.68017242 -1.9542040
Round5371-----squared error: 3.9131 parameter: [18.398 7 -0.16339674]	0.68016692 -1.9542090
Round5372-----squared error: 3.9131 parameter: [18.398 4 -0.1633959]	0.68016143 -1.9542140
Round5373-----squared error: 3.9131 parameter: [18.398 1 -0.16339506]	0.68015594 -1.9542190
Round5374-----squared error: 3.9131 parameter: [18.398 7 -0.16339422]	0.68015046 -1.9542239
Round5375-----squared error: 3.9131 parameter: [18.398 3 -0.16339339]	0.68014498 -1.9542289
Round5376-----squared error: 3.9131 parameter: [18.398 8 -0.16339255]	0.68013951 -1.9542338

Round5377-----squared error: 3.9131 parameter: [18.398 3 -0.16339172]	0.68013405 -1.9542388
Round5378-----squared error: 3.9131 parameter: [18.398 7 -0.16339089]	0.68012859 -1.9542437
Round5379-----squared error: 3.9131 parameter: [18.398 1 -0.16339005]	0.68012313 -1.9542487
Round5380-----squared error: 3.9131 parameter: [18.398 5 -0.16338922]	0.68011768 -1.9542536
Round5381-----squared error: 3.9131 parameter: [18.398 7 -0.16338839]	0.68011224 -1.9542585
Round5382-----squared error: 3.9131 parameter: [18.398 -0.16338756]	0.6801068 -1.9542635
Round5383-----squared error: 3.9131 parameter: [18.398 2 -0.16338673]	0.68010137 -1.9542684
Round5384-----squared error: 3.9131 parameter: [18.398 3 -0.1633859]	0.68009594 -1.9542733
Round5385-----squared error: 3.9131 parameter: [18.398 4 -0.16338507]	0.68009052 -1.9542782
Round5386-----squared error: 3.9131 parameter: [18.398 5 -0.16338425]	0.6800851 -1.9542831
Round5387-----squared error: 3.9131 parameter: [18.398 5 -0.16338342]	0.68007968 -1.9542880
Round5388-----squared error: 3.9131 parameter: [18.398 5 -0.16338259]	0.68007428 -1.9542929
Round5389-----squared error: 3.9131 parameter: [18.398 4 -0.16338177]	0.68006887 -1.9542978
Round5390-----squared error: 3.9131 parameter: [18.398 2 -0.16338095]	0.68006348 -1.9543027
Round5391-----squared error: 3.9131 parameter: [18.398 1 -0.16338012]	0.68005809 -1.9543076
Round5392-----squared error: 3.9131 parameter: [18.398 8 -0.1633793]	0.6800527 -1.9543124
Round5393-----squared error: 3.9131 parameter: [18.398 6 -0.16337848]	0.68004732 -1.9543173
Round5394-----squared error: 3.9131 parameter: [18.398 2 -0.16337766]	0.68004194 -1.9543222
Round5395-----squared error: 3.9131 parameter: [18.398 9 -0.16337684]	0.68003657 -1.9543270
Round5396-----squared error: 3.9131 parameter: [18.398 5 -0.16337602]	0.6800312 -1.9543319
Round5397-----squared error: 3.9131 parameter: [18.398 -0.1633752]	0.68002584 -1.9543368
Round5398-----squared error: 3.9131 parameter: [18.398 5 -0.16337438]	0.68002049 -1.9543416
Round5399-----squared error: 3.9131 parameter: [18.398 9 -0.16337357]	0.68001514 -1.9543464
Round5400-----squared error: 3.9131 parameter: [18.398 3 -0.16337275]	0.68000979 -1.9543513
Round5401-----squared error: 3.9131 parameter: [18.398 7 -0.16337194]	0.68000445 -1.9543561
Round5402-----squared error: 3.9131 parameter: [18.398 -0.16337112]	0.67999911 -1.954361
Round5403-----squared error: 3.9131 parameter: [18.398 2 -0.16337031]	0.67999378 -1.9543658
Round5404-----squared error: 3.9131 parameter: [18.398 5 -0.16336949]	0.67998846 -1.9543706
Round5405-----squared error: 3.9131 parameter: [18.398 6 -0.16336868]	0.67998314 -1.9543754
Round5406-----squared error: 3.9131 parameter: [18.398 7 -0.16336787]	0.67997782 -1.9543802
Round5407-----squared error: 3.9131 parameter: [18.398 8 -0.16336706]	0.67997252 -1.9543850
Round5408-----squared error: 3.9131 parameter: [18.398 8 -0.16336625]	0.67996721 -1.9543898

Round5409-----squared error: 3.9131 parameter: [18.398 8 -0.16336544]	0.67996191 -1.9543946
Round5410-----squared error: 3.9131 parameter: [18.398 7 -0.16336463]	0.67995662 -1.9543994
Round5411-----squared error: 3.9131 parameter: [18.398 6 -0.16336383]	0.67995133 -1.9544042
Round5412-----squared error: 3.9131 parameter: [18.398 5 -0.16336302]	0.67994604 -1.9544090
Round5413-----squared error: 3.9131 parameter: [18.398 3 -0.16336221]	0.67994077 -1.9544138
Round5414-----squared error: 3.9131 parameter: [18.398 -0.16336141]	0.67993549 -1.9544186
Round5415-----squared error: 3.9131 parameter: [18.398 7 -0.1633606]	0.67993022 -1.9544233
Round5416-----squared error: 3.9131 parameter: [18.398 4 -0.1633598]	0.67992496 -1.9544281
Round5417-----squared error: 3.9131 parameter: [18.398 0.163359]	0.6799197 -1.9544329 -
Round5418-----squared error: 3.9131 parameter: [18.398 6 -0.1633582]	0.67991445 -1.9544376
Round5419-----squared error: 3.9131 parameter: [18.398 1 -0.16335739]	0.6799092 -1.9544424
Round5420-----squared error: 3.9131 parameter: [18.398 6 -0.16335659]	0.67990395 -1.9544471
Round5421-----squared error: 3.9131 parameter: [18.398 -0.16335579]	0.67989872 -1.9544519
Round5422-----squared error: 3.9131 parameter: [18.398 4 -0.163355]	0.67989348 -1.9544566
Round5423-----squared error: 3.9131 parameter: [18.398 7 -0.1633542]	0.67988825 -1.9544613
Round5424-----squared error: 3.9131 parameter: [18.398 -0.1633534]	0.67988303 -1.9544661
Round5425-----squared error: 3.9131 parameter: [18.398 2 -0.1633526]	0.67987781 -1.9544708
Round5426-----squared error: 3.9131 parameter: [18.398 4 -0.16335181]	0.6798726 -1.9544755
Round5427-----squared error: 3.9131 parameter: [18.398 6 -0.16335101]	0.67986739 -1.9544802
Round5428-----squared error: 3.9131 parameter: [18.398 7 -0.16335022]	0.67986219 -1.9544849
Round5429-----squared error: 3.9131 parameter: [18.398 8 -0.16334942]	0.67985699 -1.9544896
Round5430-----squared error: 3.9131 parameter: [18.398 8 -0.16334863]	0.6798518 -1.9544943
Round5431-----squared error: 3.9131 parameter: [18.398 8 -0.16334784]	0.67984661 -1.9544990
Round5432-----squared error: 3.9131 parameter: [18.398 7 -0.16334705]	0.67984142 -1.9545037
Round5433-----squared error: 3.9131 parameter: [18.398 6 -0.16334626]	0.67983625 -1.9545084
Round5434-----squared error: 3.9131 parameter: [18.398 4 -0.16334547]	0.67983107 -1.9545131
Round5435-----squared error: 3.9131 parameter: [18.398 2 -0.16334468]	0.67982591 -1.9545178
Round5436-----squared error: 3.9131 parameter: [18.398 9 -0.16334389]	0.67982074 -1.9545224
Round5437-----squared error: 3.9131 parameter: [18.398 7 -0.1633431]	0.67981558 -1.9545271
Round5438-----squared error: 3.9131 parameter: [18.398 3 -0.16334232]	0.67981043 -1.9545318
Round5439-----squared error: 3.9131 parameter: [18.398 9 -0.16334153]	0.67980528 -1.9545364
Round5440-----squared error: 3.9131 parameter: [18.398 5 -0.16334075]	0.67980014 -1.9545411

Round5441-----squared error: 3.9131 parameter: [18.398 -0.16333996]	0.679795 -1.9545458
Round5442-----squared error: 3.9131 parameter: [18.398 5 -0.16333918]	0.67978987 -1.9545504
Round5443-----squared error: 3.9131 parameter: [18.398 9 -0.16333839]	0.67978474 -1.9545550
Round5444-----squared error: 3.9131 parameter: [18.398 3 -0.16333761]	0.67977961 -1.9545597
Round5445-----squared error: 3.9131 parameter: [18.398 7 -0.16333683]	0.6797745 -1.9545643
Round5446-----squared error: 3.9131 parameter: [18.398 -0.16333605]	0.67976938 -1.954569
Round5447-----squared error: 3.9131 parameter: [18.398 2 -0.16333527]	0.67976427 -1.9545736
Round5448-----squared error: 3.9131 parameter: [18.398 4 -0.16333449]	0.67975917 -1.9545782
Round5449-----squared error: 3.9131 parameter: [18.398 6 -0.16333371]	0.67975407 -1.9545828
Round5450-----squared error: 3.9131 parameter: [18.398 7 -0.16333294]	0.67974898 -1.9545874
Round5451-----squared error: 3.9131 parameter: [18.398 8 -0.16333216]	0.67974389 -1.9545920
Round5452-----squared error: 3.9131 parameter: [18.398 8 -0.16333138]	0.6797388 -1.9545966
Round5453-----squared error: 3.9131 parameter: [18.398 8 -0.16333061]	0.67973372 -1.9546012
Round5454-----squared error: 3.9131 parameter: [18.398 8 -0.16332983]	0.67972865 -1.9546058
Round5455-----squared error: 3.9131 parameter: [18.398 7 -0.16332906]	0.67972358 -1.9546104
Round5456-----squared error: 3.9131 parameter: [18.398 5 -0.16332828]	0.67971851 -1.9546150
Round5457-----squared error: 3.9131 parameter: [18.398 3 -0.16332751]	0.67971345 -1.9546196
Round5458-----squared error: 3.9131 parameter: [18.398 1 -0.16332674]	0.6797084 -1.9546242
Round5459-----squared error: 3.9131 parameter: [18.398 8 -0.16332597]	0.67970335 -1.9546287
Round5460-----squared error: 3.9131 parameter: [18.398 5 -0.1633252]	0.6796983 -1.9546333
Round5461-----squared error: 3.9131 parameter: [18.398 1 -0.16332443]	0.67969326 -1.9546379
Round5462-----squared error: 3.9131 parameter: [18.398 7 -0.16332366]	0.67968823 -1.9546424
Round5463-----squared error: 3.9131 parameter: [18.398 3 -0.16332289]	0.6796832 -1.9546470
Round5464-----squared error: 3.9131 parameter: [18.398 8 -0.16332213]	0.67967817 -1.9546515
Round5465-----squared error: 3.9131 parameter: [18.398 2 -0.16332136]	0.67967315 -1.9546561
Round5466-----squared error: 3.9131 parameter: [18.398 6 -0.16332059]	0.67966813 -1.9546606
Round5467-----squared error: 3.9131 parameter: [18.398 -0.16331983]	0.67966312 -1.9546652
Round5468-----squared error: 3.9131 parameter: [18.398 3 -0.16331906]	0.67965812 -1.9546697
Round5469-----squared error: 3.9131 parameter: [18.398 6 -0.1633183]	0.67965311 -1.9546742
Round5470-----squared error: 3.9131 parameter: [18.398 9 -0.16331754]	0.67964812 -1.9546787
Round5471-----squared error: 3.9131 parameter: [18.398 1 -0.16331678]	0.67964313 -1.9546833
Round5472-----squared error: 3.9131 parameter: [18.398 2 -0.16331601]	0.67963814 -1.9546878

Round5473-----squared error: 3.9131 parameter: [18.398 3 -0.16331525]	0.67963316 -1.9546923
Round5474-----squared error: 3.9131 parameter: [18.398 4 -0.16331449]	0.67962818 -1.9546968
Round5475-----squared error: 3.9131 parameter: [18.398 4 -0.16331373]	0.6796232 -1.9547013
Round5476-----squared error: 3.9131 parameter: [18.398 4 -0.16331298]	0.67961824 -1.9547058
Round5477-----squared error: 3.9131 parameter: [18.398 3 -0.16331222]	0.67961327 -1.9547103
Round5478-----squared error: 3.9131 parameter: [18.398 2 -0.16331146]	0.67960831 -1.9547148
Round5479-----squared error: 3.9131 parameter: [18.398 1 -0.16331071]	0.67960336 -1.9547193
Round5480-----squared error: 3.9131 parameter: [18.398 9 -0.16330995]	0.67959841 -1.9547237
Round5481-----squared error: 3.9131 parameter: [18.398 7 -0.16330919]	0.67959347 -1.9547282
Round5482-----squared error: 3.9131 parameter: [18.398 4 -0.16330844]	0.67958853 -1.9547327
Round5483-----squared error: 3.9131 parameter: [18.398 1 -0.16330769]	0.67958359 -1.9547372
Round5484-----squared error: 3.9131 parameter: [18.398 7 -0.16330693]	0.67957866 -1.9547416
Round5485-----squared error: 3.9131 parameter: [18.398 3 -0.16330618]	0.67957374 -1.9547461
Round5486-----squared error: 3.9131 parameter: [18.398 8 -0.16330543]	0.67956882 -1.9547505
Round5487-----squared error: 3.9131 parameter: [18.398 3 -0.16330468]	0.6795639 -1.9547550
Round5488-----squared error: 3.9131 parameter: [18.398 8 -0.16330393]	0.67955899 -1.9547594
Round5489-----squared error: 3.9131 parameter: [18.398 2 -0.16330318]	0.67955408 -1.9547639
Round5490-----squared error: 3.9131 parameter: [18.398 6 -0.16330243]	0.67954918 -1.9547683
Round5491-----squared error: 3.9131 parameter: [18.398 9 -0.16330169]	0.67954429 -1.9547727
Round5492-----squared error: 3.9131 parameter: [18.398 2 -0.16330094]	0.67953939 -1.9547772
Round5493-----squared error: 3.9131 parameter: [18.398 5 -0.16330019]	0.67953451 -1.9547816
Round5494-----squared error: 3.9131 parameter: [18.398 7 -0.16329945]	0.67952962 -1.9547860
Round5495-----squared error: 3.9131 parameter: [18.398 8 -0.1632987]	0.67952475 -1.9547904
Round5496-----squared error: 3.9131 parameter: [18.398 -0.16329796]	0.67951987 -1.9547949
Round5497-----squared error: 3.9131 parameter: [18.398 -0.16329722]	0.679515 -1.9547993
Round5498-----squared error: 3.9131 parameter: [18.398 1 -0.16329647]	0.67951014 -1.9548037
Round5499-----squared error: 3.9131 parameter: [18.398 1 -0.16329573]	0.67950528 -1.9548081
Round5500-----squared error: 3.9131 parameter: [18.398 -0.16329499]	0.67950043 -1.9548125
Round5501-----squared error: 3.9131 parameter: [18.398 9 -0.16329425]	0.67949558 -1.9548168
Round5502-----squared error: 3.9131 parameter: [18.398 8 -0.16329351]	0.67949073 -1.9548212
Round5503-----squared error: 3.9131 parameter: [18.398 6 -0.16329277]	0.67948589 -1.9548256
Round5504-----squared error: 3.9131 parameter: [18.398 4 -0.16329203]	0.67948106 -1.9548300

Round5505-----squared error: 3.9131 parameter: [18.398 2 -0.1632913]	0.67947622 -1.9548344
Round5506-----squared error: 3.9131 parameter: [18.398 9 -0.16329056]	0.6794714 -1.9548387
Round5507-----squared error: 3.9131 parameter: [18.398 5 -0.16328982]	0.67946658 -1.9548431
Round5508-----squared error: 3.9131 parameter: [18.398 1 -0.16328909]	0.67946176 -1.9548475
Round5509-----squared error: 3.9131 parameter: [18.398 7 -0.16328835]	0.67945695 -1.9548518
Round5510-----squared error: 3.9131 parameter: [18.398 2 -0.16328762]	0.67945214 -1.9548562
Round5511-----squared error: 3.9131 parameter: [18.398 7 -0.16328688]	0.67944733 -1.9548605
Round5512-----squared error: 3.9131 parameter: [18.398 2 -0.16328615]	0.67944254 -1.9548649
Round5513-----squared error: 3.9131 parameter: [18.398 6 -0.16328542]	0.67943774 -1.9548692
Round5514-----squared error: 3.9131 parameter: [18.398 9 -0.16328469]	0.67943295 -1.9548735
Round5515-----squared error: 3.9131 parameter: [18.398 3 -0.16328396]	0.67942817 -1.9548779
Round5516-----squared error: 3.9131 parameter: [18.398 5 -0.16328323]	0.67942339 -1.9548822
Round5517-----squared error: 3.9131 parameter: [18.398 8 -0.1632825]	0.67941861 -1.9548865
Round5518-----squared error: 3.9131 parameter: [18.398 -0.16328177]	0.67941384 -1.9548909
Round5519-----squared error: 3.9131 parameter: [18.398 1 -0.16328104]	0.67940907 -1.9548952
Round5520-----squared error: 3.9131 parameter: [18.398 2 -0.16328032]	0.67940431 -1.9548995
Round5521-----squared error: 3.9131 parameter: [18.398 3 -0.16327959]	0.67939955 -1.9549038
Round5522-----squared error: 3.9131 parameter: [18.398 3 -0.16327886]	0.6793948 -1.9549081
Round5523-----squared error: 3.9131 parameter: [18.398 3 -0.16327814]	0.67939005 -1.9549124
Round5524-----squared error: 3.9131 parameter: [18.398 3 -0.16327741]	0.67938531 -1.9549167
Round5525-----squared error: 3.9131 parameter: [18.398 2 -0.16327669]	0.67938057 -1.9549210
Round5526-----squared error: 3.9131 parameter: [18.398 -0.16327597]	0.67937584 -1.9549253
Round5527-----squared error: 3.9131 parameter: [18.398 9 -0.16327525]	0.67937111 -1.9549295
Round5528-----squared error: 3.9131 parameter: [18.398 6 -0.16327453]	0.67936638 -1.9549338
Round5529-----squared error: 3.9131 parameter: [18.398 4 -0.1632738]	0.67936166 -1.9549381
Round5530-----squared error: 3.9131 parameter: [18.398 1 -0.16327308]	0.67935694 -1.9549424
Round5531-----squared error: 3.9131 parameter: [18.398 7 -0.16327236]	0.67935223 -1.9549466
Round5532-----squared error: 3.9131 parameter: [18.398 4 -0.16327165]	0.67934752 -1.9549509
Round5533-----squared error: 3.9131 parameter: [18.398 9 -0.16327093]	0.67934282 -1.9549551
Round5534-----squared error: 3.9131 parameter: [18.398 5 -0.16327021]	0.67933812 -1.9549594
Round5535-----squared error: 3.9131 parameter: [18.398 -0.16326949]	0.67933343 -1.9549637
Round5536-----squared error: 3.9131 parameter: [18.398 4 -0.16326878]	0.67932874 -1.9549679

Round5537-----squared error: 3.9131 parameter: [18.398 8 -0.16326806]	0.67932406 -1.9549721
Round5538-----squared error: 3.9131 parameter: [18.398 2 -0.16326735]	0.67931938 -1.9549764
Round5539-----squared error: 3.9131 parameter: [18.398 5 -0.16326663]	0.6793147 -1.9549806
Round5540-----squared error: 3.9131 parameter: [18.398 8 -0.16326592]	0.67931003 -1.9549848
Round5541-----squared error: 3.9131 parameter: [18.398 1 -0.16326521]	0.67930536 -1.9549891
Round5542-----squared error: 3.9131 parameter: [18.398 3 -0.1632645]	0.6793007 -1.9549933
Round5543-----squared error: 3.9131 parameter: [18.398 5 -0.16326379]	0.67929604 -1.9549975
Round5544-----squared error: 3.9131 parameter: [18.398 6 -0.16326308]	0.67929139 -1.9550017
Round5545-----squared error: 3.9131 parameter: [18.398 7 -0.16326237]	0.67928674 -1.9550059
Round5546-----squared error: 3.9131 parameter: [18.398 7 -0.16326166]	0.6792821 -1.9550101
Round5547-----squared error: 3.9131 parameter: [18.398 7 -0.16326095]	0.67927746 -1.9550143
Round5548-----squared error: 3.9131 parameter: [18.398 7 -0.16326024]	0.67927282 -1.9550185
Round5549-----squared error: 3.9131 parameter: [18.398 6 -0.16325953]	0.67926819 -1.9550227
Round5550-----squared error: 3.9131 parameter: [18.398 5 -0.16325883]	0.67926357 -1.9550269
Round5551-----squared error: 3.9131 parameter: [18.398 3 -0.16325812]	0.67925894 -1.9550311
Round5552-----squared error: 3.9131 parameter: [18.398 1 -0.16325742]	0.67925433 -1.9550353
Round5553-----squared error: 3.9131 parameter: [18.398 9 -0.16325671]	0.67924971 -1.9550394
Round5554-----squared error: 3.9131 parameter: [18.398 6 -0.16325601]	0.67924511 -1.9550436
Round5555-----squared error: 3.9131 parameter: [18.398 3 -0.16325531]	0.6792405 -1.9550478
Round5556-----squared error: 3.9131 parameter: [18.398 0.1632546]	0.6792359 -1.955052 -
Round5557-----squared error: 3.9131 parameter: [18.398 6 -0.1632539]	0.67923131 -1.9550561
Round5558-----squared error: 3.9131 parameter: [18.398 1 -0.1632532]	0.67922672 -1.9550603
Round5559-----squared error: 3.9131 parameter: [18.398 7 -0.1632525]	0.67922213 -1.9550644
Round5560-----squared error: 3.9131 parameter: [18.398 1 -0.1632518]	0.67921755 -1.9550686
Round5561-----squared error: 3.9131 parameter: [18.398 6 -0.1632511]	0.67921297 -1.9550727
Round5562-----squared error: 3.9131 parameter: [18.398 0.1632504]	0.6792084 -1.9550769 -
Round5563-----squared error: 3.9131 parameter: [18.398 3 -0.16324971]	0.67920383 -1.9550810
Round5564-----squared error: 3.9131 parameter: [18.398 7 -0.16324901]	0.67919926 -1.9550851
Round5565-----squared error: 3.9131 parameter: [18.398 -0.16324831]	0.6791947 -1.9550893
Round5566-----squared error: 3.9131 parameter: [18.398 2 -0.16324762]	0.67919015 -1.9550934
Round5567-----squared error: 3.9131 parameter: [18.398 4 -0.16324692]	0.6791856 -1.9550975
Round5568-----squared error: 3.9131 parameter: [18.398 6 -0.16324623]	0.67918105 -1.9551016

Round5569-----squared error: 3.9131 parameter: [18.398 7 -0.16324554]	0.67917651 -1.9551057
Round5570-----squared error: 3.9131 parameter: [18.398 8 -0.16324484]	0.67917197 -1.9551098
Round5571-----squared error: 3.9131 parameter: [18.398 8 -0.16324415]	0.67916744 -1.9551139
Round5572-----squared error: 3.9131 parameter: [18.398 8 -0.16324346]	0.67916291 -1.9551180
Round5573-----squared error: 3.9131 parameter: [18.398 8 -0.16324277]	0.67915838 -1.9551221
Round5574-----squared error: 3.9131 parameter: [18.398 7 -0.16324208]	0.67915386 -1.9551262
Round5575-----squared error: 3.9131 parameter: [18.398 6 -0.16324139]	0.67914935 -1.9551303
Round5576-----squared error: 3.9131 parameter: [18.398 5 -0.1632407]	0.67914483 -1.9551344
Round5577-----squared error: 3.9131 parameter: [18.398 3 -0.16324001]	0.67914033 -1.9551385
Round5578-----squared error: 3.9131 parameter: [18.398 -0.16323932]	0.67913582 -1.9551426
Round5579-----squared error: 3.9131 parameter: [18.398 8 -0.16323864]	0.67913133 -1.9551466
Round5580-----squared error: 3.9131 parameter: [18.398 5 -0.16323795]	0.67912683 -1.9551507
Round5581-----squared error: 3.9131 parameter: [18.398 1 -0.16323727]	0.67912234 -1.9551548
Round5582-----squared error: 3.9131 parameter: [18.398 7 -0.16323658]	0.67911785 -1.9551588
Round5583-----squared error: 3.9131 parameter: [18.398 3 -0.1632359]	0.67911337 -1.9551629
Round5584-----squared error: 3.9131 parameter: [18.398 8 -0.16323521]	0.6791089 -1.9551669
Round5585-----squared error: 3.9131 parameter: [18.398 3 -0.16323453]	0.67910442 -1.9551710
Round5586-----squared error: 3.9131 parameter: [18.398 8 -0.16323385]	0.67909995 -1.9551750
Round5587-----squared error: 3.9131 parameter: [18.398 2 -0.16323317]	0.67909549 -1.9551791
Round5588-----squared error: 3.9131 parameter: [18.398 6 -0.16323248]	0.67909103 -1.9551831
Round5589-----squared error: 3.9131 parameter: [18.398 9 -0.1632318]	0.67908657 -1.9551871
Round5590-----squared error: 3.9131 parameter: [18.398 2 -0.16323112]	0.67908212 -1.9551912
Round5591-----squared error: 3.9131 parameter: [18.398 5 -0.16323045]	0.67907768 -1.9551952
Round5592-----squared error: 3.9131 parameter: [18.398 7 -0.16322977]	0.67907323 -1.9551992
Round5593-----squared error: 3.9131 parameter: [18.398 9 -0.16322909]	0.67906879 -1.9552032
Round5594-----squared error: 3.9131 parameter: [18.398 -0.16322841]	0.67906436 -1.9552073
Round5595-----squared error: 3.9131 parameter: [18.398 2 -0.16322774]	0.67905993 -1.9552113
Round5596-----squared error: 3.9131 parameter: [18.398 2 -0.16322706]	0.67905551 -1.9552153
Round5597-----squared error: 3.9131 parameter: [18.398 3 -0.16322639]	0.67905108 -1.9552193
Round5598-----squared error: 3.9131 parameter: [18.398 2 -0.16322571]	0.67904667 -1.9552233
Round5599-----squared error: 3.9131 parameter: [18.398 2 -0.16322504]	0.67904225 -1.9552273
Round5600-----squared error: 3.9131 parameter: [18.398 1 -0.16322436]	0.67903784 -1.9552313

Round5601-----squared error: 3.9131 parameter: [18.398 -0.16322369]	0.67903344 -1.9552353
Round5602-----squared error: 3.9131 parameter: [18.398 8 -0.16322302]	0.67902904 -1.9552392
Round5603-----squared error: 3.9131 parameter: [18.398 6 -0.16322235]	0.67902464 -1.9552432
Round5604-----squared error: 3.9131 parameter: [18.398 4 -0.16322168]	0.67902025 -1.9552472
Round5605-----squared error: 3.9131 parameter: [18.398 1 -0.16322101]	0.67901586 -1.9552512
Round5606-----squared error: 3.9131 parameter: [18.398 8 -0.16322034]	0.67901148 -1.9552551
Round5607-----squared error: 3.9131 parameter: [18.398 4 -0.16321967]	0.6790071 -1.9552591
Round5608-----squared error: 3.9131 parameter: [18.398 -0.163219]	0.67900273 -1.9552631
Round5609-----squared error: 3.9131 parameter: [18.398 6 -0.16321833]	0.67899836 -1.9552670
Round5610-----squared error: 3.9131 parameter: [18.398 2 -0.16321767]	0.67899399 -1.9552710
Round5611-----squared error: 3.9131 parameter: [18.398 6 -0.163217]	0.67898963 -1.9552749
Round5612-----squared error: 3.9131 parameter: [18.398 1 -0.16321634]	0.67898527 -1.9552789
Round5613-----squared error: 3.9131 parameter: [18.398 5 -0.16321567]	0.67898092 -1.9552828
Round5614-----squared error: 3.9131 parameter: [18.398 9 -0.16321501]	0.67897657 -1.9552867
Round5615-----squared error: 3.9131 parameter: [18.398 2 -0.16321434]	0.67897222 -1.9552907
Round5616-----squared error: 3.9131 parameter: [18.398 5 -0.16321368]	0.67896788 -1.9552946
Round5617-----squared error: 3.9131 parameter: [18.398 8 -0.16321302]	0.67896354 -1.9552985
Round5618-----squared error: 3.9131 parameter: [18.398 -0.16321236]	0.67895921 -1.9553025
Round5619-----squared error: 3.9131 parameter: [18.398 2 -0.1632117]	0.67895488 -1.9553064
Round5620-----squared error: 3.9131 parameter: [18.398 4 -0.16321104]	0.67895056 -1.9553103
Round5621-----squared error: 3.9131 parameter: [18.398 5 -0.16321038]	0.67894624 -1.9553142
Round5622-----squared error: 3.9131 parameter: [18.398 6 -0.16320972]	0.67894192 -1.9553181
Round5623-----squared error: 3.9131 parameter: [18.398 6 -0.16320906]	0.67893761 -1.9553220
Round5624-----squared error: 3.9131 parameter: [18.398 6 -0.1632084]	0.6789333 -1.9553259
Round5625-----squared error: 3.9131 parameter: [18.398 6 -0.16320774]	0.678929 -1.9553298
Round5626-----squared error: 3.9131 parameter: [18.398 5 -0.16320709]	0.6789247 -1.9553337
Round5627-----squared error: 3.9131 parameter: [18.398 4 -0.16320643]	0.6789204 -1.9553376
Round5628-----squared error: 3.9131 parameter: [18.398 3 -0.16320578]	0.67891611 -1.9553415
Round5629-----squared error: 3.9131 parameter: [18.398 1 -0.16320512]	0.67891182 -1.9553454
Round5630-----squared error: 3.9131 parameter: [18.398 8 -0.16320447]	0.67890754 -1.9553492
Round5631-----squared error: 3.9131 parameter: [18.398 6 -0.16320381]	0.67890326 -1.9553531
Round5632-----squared error: 3.9131 parameter: [18.398 3 -0.16320316]	0.67889899 -1.9553570

Round5633-----squared error: 3.9131 parameter: [18.398 -0.16320251]	0.67889472 -1.9553609
Round5634-----squared error: 3.9131 parameter: [18.398 6 -0.16320186]	0.67889045 -1.9553647
Round5635-----squared error: 3.9131 parameter: [18.398 2 -0.16320121]	0.67888619 -1.9553686
Round5636-----squared error: 3.9131 parameter: [18.398 7 -0.16320056]	0.67888193 -1.9553724
Round5637-----squared error: 3.9131 parameter: [18.398 2 -0.16319991]	0.67887767 -1.9553763
Round5638-----squared error: 3.9131 parameter: [18.398 7 -0.16319926]	0.67887342 -1.9553801
Round5639-----squared error: 3.9131 parameter: [18.398 2 -0.16319861]	0.67886918 -1.9553840
Round5640-----squared error: 3.9131 parameter: [18.398 6 -0.16319796]	0.67886493 -1.9553878
Round5641-----squared error: 3.9131 parameter: [18.398 9 -0.16319732]	0.6788607 -1.9553916
Round5642-----squared error: 3.9131 parameter: [18.398 3 -0.16319667]	0.67885646 -1.9553955
Round5643-----squared error: 3.9131 parameter: [18.398 6 -0.16319602]	0.67885223 -1.9553993
Round5644-----squared error: 3.9131 parameter: [18.398 8 -0.16319538]	0.67884801 -1.9554031
Round5645-----squared error: 3.9131 parameter: [18.398 -0.16319473]	0.67884379 -1.955407
Round5646-----squared error: 3.9131 parameter: [18.398 2 -0.16319409]	0.67883957 -1.9554108
Round5647-----squared error: 3.9131 parameter: [18.398 4 -0.16319345]	0.67883535 -1.9554146
Round5648-----squared error: 3.9131 parameter: [18.398 5 -0.1631928]	0.67883115 -1.9554184
Round5649-----squared error: 3.9131 parameter: [18.398 6 -0.16319216]	0.67882694 -1.9554222
Round5650-----squared error: 3.9131 parameter: [18.398 6 -0.16319152]	0.67882274 -1.9554260
Round5651-----squared error: 3.9131 parameter: [18.398 6 -0.16319088]	0.67881854 -1.9554298
Round5652-----squared error: 3.9131 parameter: [18.398 6 -0.16319024]	0.67881435 -1.9554336
Round5653-----squared error: 3.9131 parameter: [18.398 5 -0.1631896]	0.67881016 -1.9554374
Round5654-----squared error: 3.9131 parameter: [18.398 4 -0.16318896]	0.67880597 -1.9554412
Round5655-----squared error: 3.9131 parameter: [18.398 2 -0.16318832]	0.67880179 -1.9554450
Round5656-----squared error: 3.9131 parameter: [18.398 1 -0.16318768]	0.67879762 -1.9554488
Round5657-----squared error: 3.9131 parameter: [18.398 8 -0.16318705]	0.67879344 -1.9554525
Round5658-----squared error: 3.9131 parameter: [18.398 6 -0.16318641]	0.67878927 -1.9554563
Round5659-----squared error: 3.9131 parameter: [18.398 3 -0.16318577]	0.67878511 -1.9554601
Round5660-----squared error: 3.9131 parameter: [18.398 -0.16318514]	0.67878095 -1.9554639
Round5661-----squared error: 3.9131 parameter: [18.398 6 -0.1631845]	0.67877679 -1.9554676
Round5662-----squared error: 3.9131 parameter: [18.398 2 -0.16318387]	0.67877264 -1.9554714
Round5663-----squared error: 3.9131 parameter: [18.398 8 -0.16318324]	0.67876849 -1.9554751
Round5664-----squared error: 3.9131 parameter: [18.398 3 -0.1631826]	0.67876434 -1.9554789

Round5665-----squared error: 3.9131 parameter: [18.398 8 -0.16318197]	0.6787602 -1.9554826
Round5666-----squared error: 3.9131 parameter: [18.398 2 -0.16318134]	0.67875606 -1.9554864
Round5667-----squared error: 3.9131 parameter: [18.398 7 -0.16318071]	0.67875193 -1.9554901
Round5668-----squared error: 3.9131 parameter: [18.398 -0.16318008]	0.6787478 -1.9554939
Round5669-----squared error: 3.9131 parameter: [18.398 4 -0.16317945]	0.67874368 -1.9554976
Round5670-----squared error: 3.9131 parameter: [18.398 7 -0.16317882]	0.67873956 -1.9555013
Round5671-----squared error: 3.9131 parameter: [18.398 -0.16317819]	0.67873544 -1.9555051
Round5672-----squared error: 3.9131 parameter: [18.398 2 -0.16317756]	0.67873133 -1.9555088
Round5673-----squared error: 3.9131 parameter: [18.398 4 -0.16317693]	0.67872722 -1.9555125
Round5674-----squared error: 3.9131 parameter: [18.398 6 -0.16317631]	0.67872311 -1.9555162
Round5675-----squared error: 3.9131 parameter: [18.398 7 -0.16317568]	0.67871901 -1.9555199
Round5676-----squared error: 3.9131 parameter: [18.398 8 -0.16317506]	0.67871491 -1.9555236
Round5677-----squared error: 3.9131 parameter: [18.398 9 -0.16317443]	0.67871082 -1.9555273
Round5678-----squared error: 3.9131 parameter: [18.398 9 -0.16317381]	0.67870673 -1.9555310
Round5679-----squared error: 3.9131 parameter: [18.398 9 -0.16317318]	0.67870264 -1.9555347
Round5680-----squared error: 3.9131 parameter: [18.398 9 -0.16317256]	0.67869856 -1.9555384
Round5681-----squared error: 3.9131 parameter: [18.398 8 -0.16317194]	0.67869448 -1.9555421
Round5682-----squared error: 3.9131 parameter: [18.398 7 -0.16317131]	0.67869041 -1.9555458
Round5683-----squared error: 3.9131 parameter: [18.398 5 -0.16317069]	0.67868634 -1.9555495
Round5684-----squared error: 3.9131 parameter: [18.398 3 -0.16317007]	0.67868227 -1.9555532
Round5685-----squared error: 3.9131 parameter: [18.398 1 -0.16316945]	0.67867821 -1.9555569
Round5686-----squared error: 3.9131 parameter: [18.398 8 -0.16316883]	0.67867415 -1.9555605
Round5687-----squared error: 3.9131 parameter: [18.398 5 -0.16316821]	0.6786701 -1.9555642
Round5688-----squared error: 3.9131 parameter: [18.398 2 -0.16316759]	0.67866605 -1.9555679
Round5689-----squared error: 3.9131 parameter: [18.398 8 -0.16316698]	0.678662 -1.9555715
Round5690-----squared error: 3.9131 parameter: [18.398 4 -0.16316636]	0.67865796 -1.9555752
Round5691-----squared error: 3.9131 parameter: [18.398 -0.16316574]	0.67865392 -1.9555789
Round5692-----squared error: 3.9131 parameter: [18.398 5 -0.16316513]	0.67864989 -1.9555825
Round5693-----squared error: 3.9131 parameter: [18.398 -0.16316451]	0.67864586 -1.9555862
Round5694-----squared error: 3.9131 parameter: [18.398 5 -0.1631639]	0.67864183 -1.9555898
Round5695-----squared error: 3.9131 parameter: [18.398 9 -0.16316328]	0.67863781 -1.9555934
Round5696-----squared error: 3.9131 parameter: [18.398 3 -0.16316267]	0.67863379 -1.9555971

Round5697-----squared error: 3.9131 parameter: [18.398 6 -0.16316205]	0.67862977 -1.9556007
Round5698-----squared error: 3.9131 parameter: [18.398 -0.16316144]	0.67862576 -1.9556044
Round5699-----squared error: 3.9131 parameter: [18.398 2 -0.16316083]	0.67862175 -1.9556080
Round5700-----squared error: 3.9131 parameter: [18.398 5 -0.16316022]	0.67861775 -1.9556116
Round5701-----squared error: 3.9131 parameter: [18.398 7 -0.16315961]	0.67861375 -1.9556152
Round5702-----squared error: 3.9131 parameter: [18.398 9 -0.163159]	0.67860975 -1.9556188
Round5703-----squared error: 3.9131 parameter: [18.398 -0.16315839]	0.67860576 -1.9556225
Round5704-----squared error: 3.9131 parameter: [18.398 1 -0.16315778]	0.67860177 -1.9556261
Round5705-----squared error: 3.9131 parameter: [18.398 2 -0.16315717]	0.67859779 -1.9556297
Round5706-----squared error: 3.9131 parameter: [18.398 3 -0.16315656]	0.67859381 -1.9556333
Round5707-----squared error: 3.9131 parameter: [18.398 3 -0.16315596]	0.67858983 -1.9556369
Round5708-----squared error: 3.9131 parameter: [18.398 2 -0.16315535]	0.67858586 -1.9556405
Round5709-----squared error: 3.9131 parameter: [18.398 2 -0.16315474]	0.67858189 -1.9556441
Round5710-----squared error: 3.9131 parameter: [18.398 1 -0.16315414]	0.67857792 -1.9556477
Round5711-----squared error: 3.9131 parameter: [18.398 9 -0.16315353]	0.67857396 -1.9556512
Round5712-----squared error: 3.9131 parameter: [18.398 8 -0.16315293]	0.67857 -1.9556548
Round5713-----squared error: 3.9131 parameter: [18.398 6 -0.16315232]	0.67856605 -1.9556584
Round5714-----squared error: 3.9131 parameter: [18.398 3 -0.16315172]	0.6785621 -1.9556620
Round5715-----squared error: 3.9131 parameter: [18.398 1 -0.16315112]	0.67855815 -1.9556656
Round5716-----squared error: 3.9131 parameter: [18.398 7 -0.16315052]	0.67855421 -1.9556691
Round5717-----squared error: 3.9131 parameter: [18.398 4 -0.16314991]	0.67855027 -1.9556727
Round5718-----squared error: 3.9131 parameter: [18.398 -0.16314931]	0.67854634 -1.9556763
Round5719-----squared error: 3.9131 parameter: [18.398 6 -0.16314871]	0.6785424 -1.9556798
Round5720-----squared error: 3.9131 parameter: [18.398 2 -0.16314811]	0.67853848 -1.9556834
Round5721-----squared error: 3.9131 parameter: [18.398 7 -0.16314751]	0.67853455 -1.9556869
Round5722-----squared error: 3.9131 parameter: [18.398 2 -0.16314692]	0.67853063 -1.9556905
Round5723-----squared error: 3.9131 parameter: [18.398 6 -0.16314632]	0.67852672 -1.9556940
Round5724-----squared error: 3.9131 parameter: [18.398 1 -0.16314572]	0.67852281 -1.9556976
Round5725-----squared error: 3.9131 parameter: [18.398 5 -0.16314512]	0.6785189 -1.9557011
Round5726-----squared error: 3.9131 parameter: [18.398 8 -0.16314453]	0.67851499 -1.9557046
Round5727-----squared error: 3.9131 parameter: [18.398 1 -0.16314393]	0.67851109 -1.9557082
Round5728-----squared error: 3.9131 parameter: [18.398 4 -0.16314334]	0.67850719 -1.9557117

Round5729-----squared error: 3.9131 parameter: [18.398 7 -0.16314274]	0.6785033 -1.9557152
Round5730-----squared error: 3.9131 parameter: [18.398 9 -0.16314215]	0.67849941 -1.9557187
Round5731-----squared error: 3.9131 parameter: [18.398 1 -0.16314156]	0.67849552 -1.9557223
Round5732-----squared error: 3.9131 parameter: [18.398 2 -0.16314096]	0.67849164 -1.9557258
Round5733-----squared error: 3.9131 parameter: [18.398 3 -0.16314037]	0.67848776 -1.9557293
Round5734-----squared error: 3.9131 parameter: [18.398 4 -0.16313978]	0.67848389 -1.9557328
Round5735-----squared error: 3.9131 parameter: [18.398 4 -0.16313919]	0.67848002 -1.9557363
Round5736-----squared error: 3.9131 parameter: [18.398 5 -0.1631386]	0.67847615 -1.9557398
Round5737-----squared error: 3.9131 parameter: [18.398 4 -0.16313801]	0.67847229 -1.9557433
Round5738-----squared error: 3.9131 parameter: [18.398 4 -0.16313742]	0.67846843 -1.9557468
Round5739-----squared error: 3.9131 parameter: [18.398 3 -0.16313683]	0.67846457 -1.9557503
Round5740-----squared error: 3.9131 parameter: [18.398 2 -0.16313624]	0.67846072 -1.9557538
Round5741-----squared error: 3.9131 parameter: [18.398 -0.16313565]	0.67845687 -1.9557573
Round5742-----squared error: 3.9131 parameter: [18.398 8 -0.16313507]	0.67845303 -1.9557607
Round5743-----squared error: 3.9131 parameter: [18.398 6 -0.16313448]	0.67844918 -1.9557642
Round5744-----squared error: 3.9131 parameter: [18.398 3 -0.16313389]	0.67844535 -1.9557677
Round5745-----squared error: 3.9131 parameter: [18.398 1 -0.16313331]	0.67844151 -1.9557712
Round5746-----squared error: 3.9131 parameter: [18.398 7 -0.16313272]	0.67843768 -1.9557746
Round5747-----squared error: 3.9131 parameter: [18.398 4 -0.16313214]	0.67843386 -1.9557781
Round5748-----squared error: 3.9131 parameter: [18.398 -0.16313155]	0.67843003 -1.9557816
Round5749-----squared error: 3.9131 parameter: [18.398 6 -0.16313097]	0.67842621 -1.9557850
Round5750-----squared error: 3.9131 parameter: [18.398 1 -0.16313039]	0.6784224 -1.9557885
Round5751-----squared error: 3.9131 parameter: [18.398 6 -0.16312981]	0.67841859 -1.9557919
Round5752-----squared error: 3.9131 parameter: [18.398 1 -0.16312922]	0.67841478 -1.9557954
Round5753-----squared error: 3.9131 parameter: [18.398 5 -0.16312864]	0.67841097 -1.9557988
Round5754-----squared error: 3.9131 parameter: [18.398 9 -0.16312806]	0.67840717 -1.9558022
Round5755-----squared error: 3.9131 parameter: [18.398 3 -0.16312748]	0.67840338 -1.9558057
Round5756-----squared error: 3.9131 parameter: [18.398 7 -0.1631269]	0.67839958 -1.9558091
Round5757-----squared error: 3.9131 parameter: [18.398 -0.16312633]	0.67839579 -1.9558126
Round5758-----squared error: 3.9131 parameter: [18.398 3 -0.16312575]	0.67839201 -1.9558160
Round5759-----squared error: 3.9131 parameter: [18.398 5 -0.16312517]	0.67838822 -1.9558194
Round5760-----squared error: 3.9131 parameter: [18.398 7 -0.16312459]	0.67838444 -1.9558228

Round5761-----squared error: 3.9131 parameter: [18.398 9 -0.16312402]	0.67838067 -1.9558262
Round5762-----squared error: 3.9131 parameter: [18.398 -0.16312344]	0.6783769 -1.9558297
Round5763-----squared error: 3.9131 parameter: [18.398 2 -0.16312287]	0.67837313 -1.9558331
Round5764-----squared error: 3.9131 parameter: [18.398 2 -0.16312229]	0.67836937 -1.9558365
Round5765-----squared error: 3.9131 parameter: [18.398 3 -0.16312172]	0.6783656 -1.9558399
Round5766-----squared error: 3.9131 parameter: [18.398 3 -0.16312114]	0.67836185 -1.9558433
Round5767-----squared error: 3.9131 parameter: [18.398 3 -0.16312057]	0.67835809 -1.9558467
Round5768-----squared error: 3.9131 parameter: [18.398 2 -0.16312]	0.67835434 -1.9558501
Round5769-----squared error: 3.9131 parameter: [18.398 1 -0.16311942]	0.6783506 -1.9558535
Round5770-----squared error: 3.9131 parameter: [18.398 -0.16311885]	0.67834686 -1.9558569
Round5771-----squared error: 3.9131 parameter: [18.398 9 -0.16311828]	0.67834312 -1.9558602
Round5772-----squared error: 3.9131 parameter: [18.398 7 -0.16311771]	0.67833938 -1.9558636
Round5773-----squared error: 3.9131 parameter: [18.398 5 -0.16311714]	0.67833565 -1.9558670
Round5774-----squared error: 3.9131 parameter: [18.398 2 -0.16311657]	0.67833192 -1.9558704
Round5775-----squared error: 3.9131 parameter: [18.398 0.163116]	0.6783282 -1.9558738 -
Round5776-----squared error: 3.9131 parameter: [18.398 7 -0.16311544]	0.67832447 -1.9558771
Round5777-----squared error: 3.9131 parameter: [18.398 3 -0.16311487]	0.67832076 -1.9558805
Round5778-----squared error: 3.9131 parameter: [18.398 9 -0.1631143]	0.67831704 -1.9558838
Round5779-----squared error: 3.9131 parameter: [18.398 5 -0.16311373]	0.67831333 -1.9558872
Round5780-----squared error: 3.9131 parameter: [18.398 1 -0.16311317]	0.67830963 -1.9558906
Round5781-----squared error: 3.9131 parameter: [18.398 6 -0.1631126]	0.67830592 -1.9558939
Round5782-----squared error: 3.9131 parameter: [18.398 1 -0.16311204]	0.67830222 -1.9558973
Round5783-----squared error: 3.9131 parameter: [18.398 6 -0.16311147]	0.67829853 -1.9559006
Round5784-----squared error: 3.9131 parameter: [18.398 -0.16311091]	0.67829483 -1.955904
Round5785-----squared error: 3.9131 parameter: [18.398 4 -0.16311035]	0.67829115 -1.9559073
Round5786-----squared error: 3.9131 parameter: [18.398 8 -0.16310978]	0.67828746 -1.9559106
Round5787-----squared error: 3.9131 parameter: [18.398 1 -0.16310922]	0.67828378 -1.9559140
Round5788-----squared error: 3.9131 parameter: [18.398 4 -0.16310866]	0.6782801 -1.9559173
Round5789-----squared error: 3.9131 parameter: [18.398 7 -0.1631081]	0.67827642 -1.9559206
Round5790-----squared error: 3.9131 parameter: [18.398 9 -0.16310754]	0.67827275 -1.9559239
Round5791-----squared error: 3.9131 parameter: [18.398 1 -0.16310698]	0.67826909 -1.9559273
Round5792-----squared error: 3.9131 parameter: [18.398 3 -0.16310642]	0.67826542 -1.9559306

Round5793-----squared error: 3.9131 parameter: [18.398 4 -0.16310586]	0.67826176 -1.9559339
Round5794-----squared error: 3.9131 parameter: [18.398 5 -0.1631053]	0.6782581 -1.9559372
Round5795-----squared error: 3.9131 parameter: [18.398 6 -0.16310474]	0.67825445 -1.9559405
Round5796-----squared error: 3.9131 parameter: [18.398 7 -0.16310418]	0.6782508 -1.9559438
Round5797-----squared error: 3.9131 parameter: [18.398 7 -0.16310363]	0.67824715 -1.9559471
Round5798-----squared error: 3.9131 parameter: [18.398 7 -0.16310307]	0.67824351 -1.9559504
Round5799-----squared error: 3.9131 parameter: [18.398 6 -0.16310252]	0.67823987 -1.9559537
Round5800-----squared error: 3.9131 parameter: [18.398 5 -0.16310196]	0.67823624 -1.9559570
Round5801-----squared error: 3.9131 parameter: [18.398 4 -0.16310141]	0.6782326 -1.9559603
Round5802-----squared error: 3.9131 parameter: [18.398 3 -0.16310085]	0.67822897 -1.9559636
Round5803-----squared error: 3.9131 parameter: [18.398 1 -0.1631003]	0.67822535 -1.9559669
Round5804-----squared error: 3.9131 parameter: [18.398 9 -0.16309974]	0.67822173 -1.9559701
Round5805-----squared error: 3.9131 parameter: [18.398 6 -0.16309919]	0.67821811 -1.9559734
Round5806-----squared error: 3.9131 parameter: [18.398 4 -0.16309864]	0.67821449 -1.9559767
Round5807-----squared error: 3.9131 parameter: [18.398 1 -0.16309809]	0.67821088 -1.9559800
Round5808-----squared error: 3.9131 parameter: [18.398 7 -0.16309754]	0.67820727 -1.9559832
Round5809-----squared error: 3.9131 parameter: [18.398 4 -0.16309699]	0.67820367 -1.9559865
Round5810-----squared error: 3.9131 parameter: [18.398 -0.16309644]	0.67820007 -1.9559898
Round5811-----squared error: 3.9131 parameter: [18.398 6 -0.16309589]	0.67819647 -1.9559930
Round5812-----squared error: 3.9131 parameter: [18.398 1 -0.16309534]	0.67819287 -1.9559963
Round5813-----squared error: 3.9131 parameter: [18.398 6 -0.16309479]	0.67818928 -1.9559995
Round5814-----squared error: 3.9131 parameter: [18.398 1 -0.16309424]	0.6781857 -1.9560028
Round5815-----squared error: 3.9131 parameter: [18.398 5 -0.1630937]	0.67818211 -1.9560060
Round5816-----squared error: 3.9131 parameter: [18.398 9 -0.16309315]	0.67817853 -1.9560092
Round5817-----squared error: 3.9131 parameter: [18.398 3 -0.1630926]	0.67817496 -1.9560125
Round5818-----squared error: 3.9131 parameter: [18.398 7 -0.16309206]	0.67817138 -1.9560157
Round5819-----squared error: 3.9131 parameter: [18.398 -0.16309151]	0.67816781 -1.956019
Round5820-----squared error: 3.9131 parameter: [18.398 3 -0.16309097]	0.67816424 -1.9560222
Round5821-----squared error: 3.9131 parameter: [18.398 5 -0.16309042]	0.67816068 -1.9560254
Round5822-----squared error: 3.9131 parameter: [18.398 8 -0.16308988]	0.67815712 -1.9560286
Round5823-----squared error: 3.9131 parameter: [18.398 -0.16308934]	0.67815357 -1.9560319
Round5824-----squared error: 3.9131 parameter: [18.398 1 -0.16308879]	0.67815001 -1.9560351

Round5825-----squared error: 3.9131 parameter: [18.398 3 -0.16308825]	0.67814646 -1.9560383
Round5826-----squared error: 3.9131 parameter: [18.398 4 -0.16308771]	0.67814292 -1.9560415
Round5827-----squared error: 3.9131 parameter: [18.398 5 -0.16308717]	0.67813937 -1.9560447
Round5828-----squared error: 3.9131 parameter: [18.398 5 -0.16308663]	0.67813583 -1.9560479
Round5829-----squared error: 3.9131 parameter: [18.398 5 -0.16308609]	0.6781323 -1.9560511
Round5830-----squared error: 3.9131 parameter: [18.398 5 -0.16308555]	0.67812877 -1.9560543
Round5831-----squared error: 3.9131 parameter: [18.398 4 -0.16308501]	0.67812524 -1.9560575
Round5832-----squared error: 3.9131 parameter: [18.398 4 -0.16308447]	0.67812171 -1.9560607
Round5833-----squared error: 3.9131 parameter: [18.398 2 -0.16308393]	0.67811819 -1.9560639
Round5834-----squared error: 3.9131 parameter: [18.398 1 -0.1630834]	0.67811467 -1.9560671
Round5835-----squared error: 3.9131 parameter: [18.398 9 -0.16308286]	0.67811115 -1.9560702
Round5836-----squared error: 3.9131 parameter: [18.398 7 -0.16308232]	0.67810764 -1.9560734
Round5837-----squared error: 3.9131 parameter: [18.398 5 -0.16308179]	0.67810413 -1.9560766
Round5838-----squared error: 3.9131 parameter: [18.398 2 -0.16308125]	0.67810063 -1.9560798
Round5839-----squared error: 3.9131 parameter: [18.398 9 -0.16308072]	0.67809713 -1.9560829
Round5840-----squared error: 3.9131 parameter: [18.398 6 -0.16308018]	0.67809363 -1.9560861
Round5841-----squared error: 3.9131 parameter: [18.398 3 -0.16307965]	0.67809013 -1.9560893
Round5842-----squared error: 3.9131 parameter: [18.398 9 -0.16307912]	0.67808664 -1.9560924
Round5843-----squared error: 3.9131 parameter: [18.398 5 -0.16307858]	0.67808315 -1.9560956
Round5844-----squared error: 3.9131 parameter: [18.398 -0.16307805]	0.67807967 -1.9560988
Round5845-----squared error: 3.9131 parameter: [18.398 5 -0.16307752]	0.67807619 -1.9561019
Round5846-----squared error: 3.9131 parameter: [18.398 -0.16307699]	0.67807271 -1.9561051
Round5847-----squared error: 3.9131 parameter: [18.398 5 -0.16307646]	0.67806923 -1.9561082
Round5848-----squared error: 3.9131 parameter: [18.398 9 -0.16307593]	0.67806576 -1.9561113
Round5849-----squared error: 3.9131 parameter: [18.398 3 -0.1630754]	0.67806229 -1.9561145
Round5850-----squared error: 3.9131 parameter: [18.398 7 -0.16307487]	0.67805883 -1.9561176
Round5851-----squared error: 3.9131 parameter: [18.398 -0.16307434]	0.67805537 -1.9561208
Round5852-----squared error: 3.9131 parameter: [18.398 3 -0.16307381]	0.67805191 -1.9561239
Round5853-----squared error: 3.9131 parameter: [18.398 6 -0.16307328]	0.67804845 -1.9561270
Round5854-----squared error: 3.9131 parameter: [18.398 9 -0.16307276]	0.678045 -1.9561301
Round5855-----squared error: 3.9131 parameter: [18.398 1 -0.16307223]	0.67804155 -1.9561333
Round5856-----squared error: 3.9131 parameter: [18.398 3 -0.1630717]	0.67803811 -1.9561364

Round5857-----squared error: 3.9131 parameter: [18.398 4 -0.16307118]	0.67803466 -1.9561395
Round5858-----squared error: 3.9131 parameter: [18.398 6 -0.16307065]	0.67803123 -1.9561426
Round5859-----squared error: 3.9131 parameter: [18.398 7 -0.16307013]	0.67802779 -1.9561457
Round5860-----squared error: 3.9131 parameter: [18.398 7 -0.1630696]	0.67802436 -1.9561488
Round5861-----squared error: 3.9131 parameter: [18.398 8 -0.16306908]	0.67802093 -1.9561519
Round5862-----squared error: 3.9131 parameter: [18.398 8 -0.16306856]	0.67801751 -1.9561550
Round5863-----squared error: 3.9131 parameter: [18.398 8 -0.16306804]	0.67801408 -1.9561581
Round5864-----squared error: 3.9131 parameter: [18.398 7 -0.16306751]	0.67801067 -1.9561612
Round5865-----squared error: 3.9131 parameter: [18.398 6 -0.16306699]	0.67800725 -1.9561643
Round5866-----squared error: 3.9131 parameter: [18.398 5 -0.16306647]	0.67800384 -1.9561674
Round5867-----squared error: 3.9131 parameter: [18.398 4 -0.16306595]	0.67800043 -1.9561705
Round5868-----squared error: 3.9131 parameter: [18.398 2 -0.16306543]	0.67799702 -1.9561736
Round5869-----squared error: 3.9131 parameter: [18.398 -0.16306491]	0.67799362 -1.9561767
Round5870-----squared error: 3.9131 parameter: [18.398 8 -0.16306439]	0.67799022 -1.9561797
Round5871-----squared error: 3.9131 parameter: [18.398 5 -0.16306387]	0.67798683 -1.9561828
Round5872-----squared error: 3.9131 parameter: [18.398 2 -0.16306335]	0.67798343 -1.9561859
Round5873-----squared error: 3.9131 parameter: [18.398 9 -0.16306284]	0.67798005 -1.9561889
Round5874-----squared error: 3.9131 parameter: [18.398 6 -0.16306232]	0.67797666 -1.9561920
Round5875-----squared error: 3.9131 parameter: [18.398 2 -0.1630618]	0.67797328 -1.9561951
Round5876-----squared error: 3.9131 parameter: [18.398 8 -0.16306129]	0.6779699 -1.9561981
Round5877-----squared error: 3.9131 parameter: [18.398 4 -0.16306077]	0.67796652 -1.9562012
Round5878-----squared error: 3.9131 parameter: [18.398 9 -0.16306026]	0.67796315 -1.9562042
Round5879-----squared error: 3.9131 parameter: [18.398 4 -0.16305974]	0.67795978 -1.9562073
Round5880-----squared error: 3.9131 parameter: [18.398 9 -0.16305923]	0.67795641 -1.9562103
Round5881-----squared error: 3.9131 parameter: [18.398 3 -0.16305871]	0.67795305 -1.9562134
Round5882-----squared error: 3.9131 parameter: [18.398 8 -0.1630582]	0.67794969 -1.9562164
Round5883-----squared error: 3.9131 parameter: [18.398 1 -0.16305769]	0.67794633 -1.9562195
Round5884-----squared error: 3.9131 parameter: [18.398 5 -0.16305718]	0.67794298 -1.9562225
Round5885-----squared error: 3.9131 parameter: [18.398 8 -0.16305667]	0.67793963 -1.9562255
Round5886-----squared error: 3.9131 parameter: [18.398 1 -0.16305615]	0.67793628 -1.9562286
Round5887-----squared error: 3.9131 parameter: [18.398 4 -0.16305564]	0.67793294 -1.9562316
Round5888-----squared error: 3.9131 parameter: [18.398 6 -0.16305513]	0.6779296 -1.9562346

Round5889-----squared error: 3.9131 parameter: [18.398 9 -0.16305462]	0.67792626 -1.9562376
Round5890-----squared error: 3.9131 parameter: [18.398 -0.16305411]	0.67792293 -1.9562407
Round5891-----squared error: 3.9131 parameter: [18.398 2 -0.16305361]	0.6779196 -1.9562437
Round5892-----squared error: 3.9131 parameter: [18.398 3 -0.1630531]	0.67791627 -1.9562467
Round5893-----squared error: 3.9131 parameter: [18.398 4 -0.16305259]	0.67791294 -1.9562497
Round5894-----squared error: 3.9131 parameter: [18.398 5 -0.16305208]	0.67790962 -1.9562527
Round5895-----squared error: 3.9131 parameter: [18.398 5 -0.16305158]	0.6779063 -1.9562557
Round5896-----squared error: 3.9131 parameter: [18.398 5 -0.16305107]	0.67790299 -1.9562587
Round5897-----squared error: 3.9131 parameter: [18.398 5 -0.16305056]	0.67789968 -1.9562617
Round5898-----squared error: 3.9131 parameter: [18.398 5 -0.16305006]	0.67789637 -1.9562647
Round5899-----squared error: 3.9131 parameter: [18.398 4 -0.16304955]	0.67789306 -1.9562677
Round5900-----squared error: 3.9131 parameter: [18.398 3 -0.16304905]	0.67788976 -1.9562707
Round5901-----squared error: 3.9131 parameter: [18.398 2 -0.16304855]	0.67788646 -1.9562737
Round5902-----squared error: 3.9131 parameter: [18.398 -0.16304804]	0.67788317 -1.9562767
Round5903-----squared error: 3.9131 parameter: [18.398 8 -0.16304754]	0.67787987 -1.9562796
Round5904-----squared error: 3.9131 parameter: [18.398 6 -0.16304704]	0.67787659 -1.9562826
Round5905-----squared error: 3.9131 parameter: [18.398 3 -0.16304654]	0.6778733 -1.9562856
Round5906-----squared error: 3.9131 parameter: [18.398 1 -0.16304603]	0.67787002 -1.9562886
Round5907-----squared error: 3.9131 parameter: [18.398 8 -0.16304553]	0.67786674 -1.9562915
Round5908-----squared error: 3.9131 parameter: [18.398 4 -0.16304503]	0.67786346 -1.9562945
Round5909-----squared error: 3.9131 parameter: [18.398 1 -0.16304453]	0.67786019 -1.9562975
Round5910-----squared error: 3.9131 parameter: [18.398 7 -0.16304403]	0.67785692 -1.9563004
Round5911-----squared error: 3.9131 parameter: [18.398 3 -0.16304353]	0.67785365 -1.9563034
Round5912-----squared error: 3.9131 parameter: [18.398 8 -0.16304304]	0.67785038 -1.9563063
Round5913-----squared error: 3.9131 parameter: [18.398 3 -0.16304254]	0.67784712 -1.9563093
Round5914-----squared error: 3.9131 parameter: [18.398 8 -0.16304204]	0.67784387 -1.9563122
Round5915-----squared error: 3.9131 parameter: [18.398 3 -0.16304154]	0.67784061 -1.9563152
Round5916-----squared error: 3.9131 parameter: [18.398 7 -0.16304105]	0.67783736 -1.9563181
Round5917-----squared error: 3.9131 parameter: [18.398 1 -0.16304055]	0.67783411 -1.9563211
Round5918-----squared error: 3.9131 parameter: [18.398 5 -0.16304006]	0.67783087 -1.9563240
Round5919-----squared error: 3.9131 parameter: [18.398 9 -0.16303956]	0.67782762 -1.9563269
Round5920-----squared error: 3.9131 parameter: [18.398 2 -0.16303907]	0.67782438 -1.9563299

Round5921-----squared error: 3.9131 parameter: [18.398 5 -0.16303857]	0.67782115 -1.9563328
Round5922-----squared error: 3.9131 parameter: [18.398 8 -0.16303808]	0.67781791 -1.9563357
Round5923-----squared error: 3.9131 parameter: [18.398 -0.16303758]	0.67781469 -1.9563387
Round5924-----squared error: 3.9131 parameter: [18.398 2 -0.16303709]	0.67781146 -1.9563416
Round5925-----squared error: 3.9131 parameter: [18.398 4 -0.1630366]	0.67780824 -1.9563445
Round5926-----squared error: 3.9131 parameter: [18.398 5 -0.16303611]	0.67780501 -1.9563474
Round5927-----squared error: 3.9131 parameter: [18.398 7 -0.16303562]	0.6778018 -1.9563503
Round5928-----squared error: 3.9131 parameter: [18.398 8 -0.16303513]	0.67779858 -1.9563532
Round5929-----squared error: 3.9131 parameter: [18.398 8 -0.16303463]	0.67779537 -1.9563561
Round5930-----squared error: 3.9131 parameter: [18.398 9 -0.16303414]	0.67779216 -1.9563590
Round5931-----squared error: 3.9131 parameter: [18.398 9 -0.16303366]	0.67778896 -1.9563619
Round5932-----squared error: 3.9131 parameter: [18.398 9 -0.16303317]	0.67778576 -1.9563648
Round5933-----squared error: 3.9131 parameter: [18.398 9 -0.16303268]	0.67778256 -1.9563677
Round5934-----squared error: 3.9131 parameter: [18.398 8 -0.16303219]	0.67777936 -1.9563706
Round5935-----squared error: 3.9131 parameter: [18.398 7 -0.1630317]	0.67777617 -1.9563735
Round5936-----squared error: 3.9131 parameter: [18.398 6 -0.16303122]	0.67777298 -1.9563764
Round5937-----squared error: 3.9131 parameter: [18.398 4 -0.16303073]	0.67776979 -1.9563793
Round5938-----squared error: 3.9131 parameter: [18.398 2 -0.16303024]	0.67776661 -1.9563822
Round5939-----squared error: 3.9131 parameter: [18.398 -0.16302976]	0.67776343 -1.9563851
Round5940-----squared error: 3.9131 parameter: [18.398 8 -0.16302927]	0.67776025 -1.9563879
Round5941-----squared error: 3.9131 parameter: [18.398 5 -0.16302879]	0.67775708 -1.9563908
Round5942-----squared error: 3.9131 parameter: [18.398 2 -0.1630283]	0.67775391 -1.9563937
Round5943-----squared error: 3.9131 parameter: [18.398 9 -0.16302782]	0.67775074 -1.9563965
Round5944-----squared error: 3.9131 parameter: [18.398 6 -0.16302734]	0.67774757 -1.9563994
Round5945-----squared error: 3.9131 parameter: [18.398 2 -0.16302685]	0.67774441 -1.9564023
Round5946-----squared error: 3.9131 parameter: [18.398 8 -0.16302637]	0.67774125 -1.9564051
Round5947-----squared error: 3.9131 parameter: [18.398 4 -0.16302589]	0.6777381 -1.9564080
Round5948-----squared error: 3.9131 parameter: [18.398 9 -0.16302541]	0.67773494 -1.9564108
Round5949-----squared error: 3.9131 parameter: [18.398 4 -0.16302493]	0.67773179 -1.9564137
Round5950-----squared error: 3.9131 parameter: [18.398 9 -0.16302444]	0.67772865 -1.9564165
Round5951-----squared error: 3.9131 parameter: [18.398 4 -0.16302396]	0.6777255 -1.9564194
Round5952-----squared error: 3.9131 parameter: [18.398 8 -0.16302348]	0.67772236 -1.9564222

Round5953-----squared error: 3.9131 parameter: [18.398 2 -0.16302301]	0.67771923 -1.9564251
Round5954-----squared error: 3.9131 parameter: [18.398 6 -0.16302253]	0.67771609 -1.9564279
Round5955-----squared error: 3.9131 parameter: [18.398 -0.16302205]	0.67771296 -1.9564308
Round5956-----squared error: 3.9131 parameter: [18.398 3 -0.16302157]	0.67770983 -1.9564336
Round5957-----squared error: 3.9131 parameter: [18.398 6 -0.16302109]	0.67770671 -1.9564364
Round5958-----squared error: 3.9131 parameter: [18.398 9 -0.16302062]	0.67770358 -1.9564392
Round5959-----squared error: 3.9131 parameter: [18.398 1 -0.16302014]	0.67770046 -1.9564421
Round5960-----squared error: 3.9131 parameter: [18.398 3 -0.16301966]	0.67769735 -1.9564449
Round5961-----squared error: 3.9131 parameter: [18.398 5 -0.16301919]	0.67769423 -1.9564477
Round5962-----squared error: 3.9131 parameter: [18.398 7 -0.16301871]	0.67769112 -1.9564505
Round5963-----squared error: 3.9131 parameter: [18.398 8 -0.16301824]	0.67768801 -1.9564533
Round5964-----squared error: 3.9131 parameter: [18.398 9 -0.16301776]	0.67768491 -1.9564561
Round5965-----squared error: 3.9131 parameter: [18.398 -0.16301729]	0.67768181 -1.956459
Round5966-----squared error: 3.9131 parameter: [18.398 -0.16301682]	0.67767871 -1.9564618
Round5967-----squared error: 3.9131 parameter: [18.398 1 -0.16301635]	0.67767561 -1.9564646
Round5968-----squared error: 3.9131 parameter: [18.398 1 -0.16301587]	0.67767252 -1.9564674
Round5969-----squared error: 3.9131 parameter: [18.398 -0.1630154]	0.67766943 -1.9564702
Round5970-----squared error: 3.9131 parameter: [18.398 -0.16301493]	0.67766634 -1.956473
Round5971-----squared error: 3.9131 parameter: [18.398 9 -0.16301446]	0.67766326 -1.9564757
Round5972-----squared error: 3.9131 parameter: [18.398 8 -0.16301399]	0.67766018 -1.9564785
Round5973-----squared error: 3.9131 parameter: [18.398 7 -0.16301352]	0.6776571 -1.9564813
Round5974-----squared error: 3.9131 parameter: [18.398 5 -0.16301305]	0.67765403 -1.9564841
Round5975-----squared error: 3.9131 parameter: [18.398 3 -0.16301258]	0.67765096 -1.9564869
Round5976-----squared error: 3.9131 parameter: [18.398 1 -0.16301211]	0.67764789 -1.9564897
Round5977-----squared error: 3.9131 parameter: [18.398 8 -0.16301164]	0.67764482 -1.9564924
Round5978-----squared error: 3.9131 parameter: [18.398 6 -0.16301117]	0.67764176 -1.9564952
Round5979-----squared error: 3.9131 parameter: [18.398 3 -0.16301071]	0.6776387 -1.9564980
Round5980-----squared error: 3.9131 parameter: [18.398 -0.16301024]	0.67763564 -1.9565008
Round5981-----squared error: 3.9131 parameter: [18.398 6 -0.16300977]	0.67763259 -1.9565035
Round5982-----squared error: 3.9131 parameter: [18.398 2 -0.16300931]	0.67762953 -1.9565063
Round5983-----squared error: 3.9131 parameter: [18.398 8 -0.16300884]	0.67762649 -1.9565090
Round5984-----squared error: 3.9131 parameter: [18.398 4 -0.16300838]	0.67762344 -1.9565118

Round5985-----squared error: 3.9131 parameter: [18.398 9 -0.16300791]	0.6776204 -1.9565145
Round5986-----squared error: 3.9131 parameter: [18.398 5 -0.16300745]	0.67761736 -1.9565173
Round5987-----squared error: 3.9131 parameter: [18.398 -0.16300698]	0.67761432 -1.9565201
Round5988-----squared error: 3.9131 parameter: [18.398 4 -0.16300652]	0.67761129 -1.9565228
Round5989-----squared error: 3.9131 parameter: [18.398 9 -0.16300606]	0.67760826 -1.9565255
Round5990-----squared error: 3.9131 parameter: [18.398 3 -0.1630056]	0.67760523 -1.9565283
Round5991-----squared error: 3.9131 parameter: [18.398 7 -0.16300513]	0.6776022 -1.9565310
Round5992-----squared error: 3.9131 parameter: [18.398 -0.16300467]	0.67759918 -1.9565338
Round5993-----squared error: 3.9131 parameter: [18.398 4 -0.16300421]	0.67759616 -1.9565365
Round5994-----squared error: 3.9131 parameter: [18.398 7 -0.16300375]	0.67759315 -1.9565392
Round5995-----squared error: 3.9131 parameter: [18.398 9 -0.16300329]	0.67759013 -1.9565419
Round5996-----squared error: 3.9131 parameter: [18.398 2 -0.16300283]	0.67758712 -1.9565447
Round5997-----squared error: 3.9131 parameter: [18.398 4 -0.16300237]	0.67758412 -1.9565474
Round5998-----squared error: 3.9131 parameter: [18.398 6 -0.16300191]	0.67758111 -1.9565501
Round5999-----squared error: 3.9131 parameter: [18.398 8 -0.16300145]	0.67757811 -1.9565528
Round6000-----squared error: 3.9131 parameter: [18.398 9 -0.163001]	0.67757511 -1.9565555
Round6001-----squared error: 3.9131 parameter: [18.398 1 -0.16300054]	0.67757212 -1.9565583
Round6002-----squared error: 3.9131 parameter: [18.398 2 -0.16300008]	0.67756912 -1.9565610
Round6003-----squared error: 3.9131 parameter: [18.398 2 -0.16299962]	0.67756613 -1.9565637
Round6004-----squared error: 3.9131 parameter: [18.398 3 -0.16299917]	0.67756314 -1.9565664
Round6005-----squared error: 3.9131 parameter: [18.398 3 -0.16299871]	0.67756016 -1.9565691
Round6006-----squared error: 3.9131 parameter: [18.398 3 -0.16299826]	0.67755718 -1.9565718
Round6007-----squared error: 3.9131 parameter: [18.398 3 -0.1629978]	0.6775542 -1.9565745
Round6008-----squared error: 3.9131 parameter: [18.398 2 -0.16299735]	0.67755122 -1.9565772
Round6009-----squared error: 3.9131 parameter: [18.398 1 -0.16299689]	0.67754825 -1.9565799
Round6010-----squared error: 3.9131 parameter: [18.398 -0.16299644]	0.67754528 -1.9565826
Round6011-----squared error: 3.9131 parameter: [18.398 9 -0.16299599]	0.67754231 -1.9565852
Round6012-----squared error: 3.9131 parameter: [18.398 7 -0.16299553]	0.67753935 -1.9565879
Round6013-----squared error: 3.9131 parameter: [18.398 5 -0.16299508]	0.67753639 -1.9565906
Round6014-----squared error: 3.9131 parameter: [18.398 3 -0.16299463]	0.67753343 -1.9565933
Round6015-----squared error: 3.9131 parameter: [18.398 1 -0.16299418]	0.67753047 -1.9565960
Round6016-----squared error: 3.9131 parameter: [18.398 8 -0.16299373]	0.67752752 -1.9565986

Round6017-----squared error: 3.9131 parameter: [18.398 5 -0.16299328]	0.67752457 -1.9566013
Round6018-----squared error: 3.9131 parameter: [18.398 2 -0.16299283]	0.67752162 -1.9566040
Round6019-----squared error: 3.9131 parameter: [18.398 8 -0.16299238]	0.67751868 -1.9566066
Round6020-----squared error: 3.9131 parameter: [18.398 5 -0.16299193]	0.67751574 -1.9566093
Round6021-----squared error: 3.9131 parameter: [18.398 1 -0.16299148]	0.6775128 -1.9566120
Round6022-----squared error: 3.9131 parameter: [18.398 7 -0.16299103]	0.67750986 -1.9566146
Round6023-----squared error: 3.9131 parameter: [18.398 2 -0.16299058]	0.67750693 -1.9566173
Round6024-----squared error: 3.9131 parameter: [18.398 7 -0.16299014]	0.677504 -1.9566199
Round6025-----squared error: 3.9131 parameter: [18.398 2 -0.16298969]	0.67750107 -1.9566226
Round6026-----squared error: 3.9131 parameter: [18.398 7 -0.16298924]	0.67749815 -1.9566252
Round6027-----squared error: 3.9131 parameter: [18.398 2 -0.1629888]	0.67749523 -1.9566279
Round6028-----squared error: 3.9131 parameter: [18.398 6 -0.16298835]	0.67749231 -1.9566305
Round6029-----squared error: 3.9131 parameter: [18.398 -0.1629879]	0.67748939 -1.9566332
Round6030-----squared error: 3.9131 parameter: [18.398 4 -0.16298746]	0.67748648 -1.9566358
Round6031-----squared error: 3.9131 parameter: [18.398 7 -0.16298702]	0.67748357 -1.9566384
Round6032-----squared error: 3.9131 parameter: [18.398 1 -0.16298657]	0.67748066 -1.9566411
Round6033-----squared error: 3.9131 parameter: [18.398 4 -0.16298613]	0.67747775 -1.9566437
Round6034-----squared error: 3.9131 parameter: [18.398 6 -0.16298568]	0.67747485 -1.9566463
Round6035-----squared error: 3.9131 parameter: [18.398 9 -0.16298524]	0.67747195 -1.9566489
Round6036-----squared error: 3.9131 parameter: [18.398 1 -0.1629848]	0.67746906 -1.9566516
Round6037-----squared error: 3.9131 parameter: [18.398 3 -0.16298436]	0.67746616 -1.9566542
Round6038-----squared error: 3.9131 parameter: [18.398 5 -0.16298392]	0.67746327 -1.9566568
Round6039-----squared error: 3.9131 parameter: [18.398 6 -0.16298347]	0.67746038 -1.9566594
Round6040-----squared error: 3.9131 parameter: [18.398 7 -0.16298303]	0.6774575 -1.9566620
Round6041-----squared error: 3.9131 parameter: [18.398 8 -0.16298259]	0.67745461 -1.9566646
Round6042-----squared error: 3.9131 parameter: [18.398 9 -0.16298215]	0.67745173 -1.9566672
Round6043-----squared error: 3.9131 parameter: [18.398 -0.16298171]	0.67744886 -1.9566699
Round6044-----squared error: 3.9131 parameter: [18.398 -0.16298128]	0.67744598 -1.9566725
Round6045-----squared error: 3.9131 parameter: [18.398 -0.16298084]	0.67744311 -1.9566751
Round6046-----squared error: 3.9131 parameter: [18.398 -0.1629804]	0.67744024 -1.9566777
Round6047-----squared error: 3.9131 parameter: [18.398 9 -0.16297996]	0.67743738 -1.9566802
Round6048-----squared error: 3.9131 parameter: [18.398 8 -0.16297952]	0.67743451 -1.9566828

Round6049-----squared error: 3.9131 parameter: [18.398 7 -0.16297909]	0.67743165 -1.9566854
Round6050-----squared error: 3.9131 parameter: [18.398 6 -0.16297865]	0.67742879 -1.9566880
Round6051-----squared error: 3.9131 parameter: [18.398 4 -0.16297821]	0.67742594 -1.9566906
Round6052-----squared error: 3.9131 parameter: [18.398 3 -0.16297778]	0.67742309 -1.9566932
Round6053-----squared error: 3.9131 parameter: [18.398 1 -0.16297734]	0.67742024 -1.9566958
Round6054-----squared error: 3.9131 parameter: [18.398 8 -0.16297691]	0.67741739 -1.9566983
Round6055-----squared error: 3.9131 parameter: [18.398 6 -0.16297647]	0.67741455 -1.9567009
Round6056-----squared error: 3.9131 parameter: [18.398 3 -0.16297604]	0.67741171 -1.9567035
Round6057-----squared error: 3.9131 parameter: [18.398 -0.16297561]	0.67740887 -1.9567061
Round6058-----squared error: 3.9131 parameter: [18.398 7 -0.16297517]	0.67740603 -1.9567086
Round6059-----squared error: 3.9131 parameter: [18.398 3 -0.16297474]	0.6774032 -1.9567112
Round6060-----squared error: 3.9131 parameter: [18.398 -0.16297431]	0.67740037 -1.9567138
Round6061-----squared error: 3.9131 parameter: [18.398 6 -0.16297388]	0.67739754 -1.9567163
Round6062-----squared error: 3.9131 parameter: [18.398 1 -0.16297345]	0.67739472 -1.9567189
Round6063-----squared error: 3.9131 parameter: [18.398 7 -0.16297301]	0.67739189 -1.9567214
Round6064-----squared error: 3.9131 parameter: [18.398 2 -0.16297258]	0.67738907 -1.9567240
Round6065-----squared error: 3.9131 parameter: [18.398 7 -0.16297215]	0.67738626 -1.9567265
Round6066-----squared error: 3.9131 parameter: [18.398 2 -0.16297172]	0.67738344 -1.9567291
Round6067-----squared error: 3.9131 parameter: [18.398 6 -0.16297129]	0.67738063 -1.9567316
Round6068-----squared error: 3.9131 parameter: [18.398 1 -0.16297087]	0.67737782 -1.9567342
Round6069-----squared error: 3.9131 parameter: [18.398 5 -0.16297044]	0.67737502 -1.9567367
Round6070-----squared error: 3.9131 parameter: [18.398 8 -0.16297001]	0.67737221 -1.9567392
Round6071-----squared error: 3.9131 parameter: [18.398 2 -0.16296958]	0.67736941 -1.9567418
Round6072-----squared error: 3.9131 parameter: [18.398 5 -0.16296915]	0.67736662 -1.9567443
Round6073-----squared error: 3.9131 parameter: [18.398 8 -0.16296873]	0.67736382 -1.9567468
Round6074-----squared error: 3.9131 parameter: [18.398 1 -0.1629683]	0.67736103 -1.9567494
Round6075-----squared error: 3.9131 parameter: [18.398 4 -0.16296787]	0.67735824 -1.9567519
Round6076-----squared error: 3.9131 parameter: [18.398 6 -0.16296745]	0.67735545 -1.9567544
Round6077-----squared error: 3.9131 parameter: [18.398 8 -0.16296702]	0.67735267 -1.9567569
Round6078-----squared error: 3.9131 parameter: [18.398 -0.1629666]	0.67734988 -1.9567595
Round6079-----squared error: 3.9131 parameter: [18.398 2 -0.16296617]	0.67734711 -1.9567620
Round6080-----squared error: 3.9131 parameter: [18.398 3 -0.16296575]	0.67734433 -1.9567645

Round6081-----squared error: 3.9131 parameter: [18.398 4 -0.16296533]	0.67734156 -1.9567670
Round6082-----squared error: 3.9131 parameter: [18.398 5 -0.1629649]	0.67733878 -1.9567695
Round6083-----squared error: 3.9131 parameter: [18.398 6 -0.16296448]	0.67733602 -1.9567720
Round6084-----squared error: 3.9131 parameter: [18.398 6 -0.16296406]	0.67733325 -1.9567745
Round6085-----squared error: 3.9131 parameter: [18.398 6 -0.16296364]	0.67733049 -1.9567770
Round6086-----squared error: 3.9131 parameter: [18.398 6 -0.16296321]	0.67732773 -1.9567795
Round6087-----squared error: 3.9131 parameter: [18.398 6 -0.16296279]	0.67732497 -1.9567820
Round6088-----squared error: 3.9131 parameter: [18.398 5 -0.16296237]	0.67732221 -1.9567845
Round6089-----squared error: 3.9131 parameter: [18.398 4 -0.16296195]	0.67731946 -1.9567870
Round6090-----squared error: 3.9131 parameter: [18.398 3 -0.16296153]	0.67731671 -1.9567895
Round6091-----squared error: 3.9131 parameter: [18.398 2 -0.16296111]	0.67731396 -1.9567920
Round6092-----squared error: 3.9131 parameter: [18.398 -0.16296069]	0.67731122 -1.9567945
Round6093-----squared error: 3.9131 parameter: [18.398 9 -0.16296027]	0.67730848 -1.9567969
Round6094-----squared error: 3.9131 parameter: [18.398 7 -0.16295986]	0.67730574 -1.9567994
Round6095-----squared error: 3.9131 parameter: [18.398 4 -0.16295944]	0.677303 -1.9568019
Round6096-----squared error: 3.9131 parameter: [18.398 2 -0.16295902]	0.67730027 -1.9568044
Round6097-----squared error: 3.9131 parameter: [18.398 9 -0.1629586]	0.67729754 -1.9568068
Round6098-----squared error: 3.9131 parameter: [18.398 6 -0.16295819]	0.67729481 -1.9568093
Round6099-----squared error: 3.9131 parameter: [18.398 3 -0.16295777]	0.67729208 -1.9568118
Round6100-----squared error: 3.9131 parameter: [18.398 9 -0.16295735]	0.67728936 -1.9568142
Round6101-----squared error: 3.9131 parameter: [18.398 6 -0.16295694]	0.67728664 -1.9568167
Round6102-----squared error: 3.9131 parameter: [18.398 2 -0.16295652]	0.67728392 -1.9568192
Round6103-----squared error: 3.9131 parameter: [18.398 8 -0.16295611]	0.67728121 -1.9568216
Round6104-----squared error: 3.9131 parameter: [18.398 3 -0.16295569]	0.67727849 -1.9568241
Round6105-----squared error: 3.9131 parameter: [18.398 9 -0.16295528]	0.67727578 -1.9568265
Round6106-----squared error: 3.9131 parameter: [18.398 4 -0.16295487]	0.67727307 -1.9568290
Round6107-----squared error: 3.9131 parameter: [18.398 9 -0.16295445]	0.67727037 -1.9568314
Round6108-----squared error: 3.9131 parameter: [18.398 3 -0.16295404]	0.67726767 -1.9568339
Round6109-----squared error: 3.9131 parameter: [18.398 8 -0.16295363]	0.67726497 -1.9568363
Round6110-----squared error: 3.9131 parameter: [18.398 2 -0.16295322]	0.67726227 -1.9568388
Round6111-----squared error: 3.9131 parameter: [18.398 6 -0.16295281]	0.67725957 -1.9568412
Round6112-----squared error: 3.9131 parameter: [18.398 -0.16295239]	0.67725688 -1.9568437

Round6113-----squared error: 3.9131 parameter: [18.398 3 -0.16295198]	0.67725419 -1.9568461
Round6114-----squared error: 3.9131 parameter: [18.398 6 -0.16295157]	0.67725151 -1.9568485
Round6115-----squared error: 3.9131 parameter: [18.398 9 -0.16295116]	0.67724882 -1.9568509
Round6116-----squared error: 3.9131 parameter: [18.398 2 -0.16295075]	0.67724614 -1.9568534
Round6117-----squared error: 3.9131 parameter: [18.398 5 -0.16295034]	0.67724346 -1.9568558
Round6118-----squared error: 3.9131 parameter: [18.398 7 -0.16294994]	0.67724078 -1.9568582
Round6119-----squared error: 3.9131 parameter: [18.398 9 -0.16294953]	0.67723811 -1.9568606
Round6120-----squared error: 3.9131 parameter: [18.398 1 -0.16294912]	0.67723544 -1.9568631
Round6121-----squared error: 3.9131 parameter: [18.398 3 -0.16294871]	0.67723277 -1.9568655
Round6122-----squared error: 3.9131 parameter: [18.398 4 -0.1629483]	0.6772301 -1.9568679
Round6123-----squared error: 3.9131 parameter: [18.398 5 -0.1629479]	0.67722744 -1.9568703
Round6124-----squared error: 3.9131 parameter: [18.398 6 -0.16294749]	0.67722478 -1.9568727
Round6125-----squared error: 3.9131 parameter: [18.398 7 -0.16294709]	0.67722212 -1.9568751
Round6126-----squared error: 3.9131 parameter: [18.398 7 -0.16294668]	0.67721946 -1.9568775
Round6127-----squared error: 3.9131 parameter: [18.398 7 -0.16294627]	0.67721681 -1.9568799
Round6128-----squared error: 3.9131 parameter: [18.398 7 -0.16294587]	0.67721416 -1.9568823
Round6129-----squared error: 3.9131 parameter: [18.398 7 -0.16294546]	0.67721151 -1.9568847
Round6130-----squared error: 3.9131 parameter: [18.398 7 -0.16294506]	0.67720887 -1.9568871
Round6131-----squared error: 3.9131 parameter: [18.398 6 -0.16294466]	0.67720622 -1.9568895
Round6132-----squared error: 3.9131 parameter: [18.398 5 -0.16294425]	0.67720358 -1.9568919
Round6133-----squared error: 3.9131 parameter: [18.398 4 -0.16294385]	0.67720094 -1.9568943
Round6134-----squared error: 3.9131 parameter: [18.398 3 -0.16294345]	0.67719831 -1.9568967
Round6135-----squared error: 3.9131 parameter: [18.398 1 -0.16294305]	0.67719568 -1.9568991
Round6136-----squared error: 3.9131 parameter: [18.398 9 -0.16294264]	0.67719304 -1.9569014
Round6137-----squared error: 3.9131 parameter: [18.398 7 -0.16294224]	0.67719042 -1.9569038
Round6138-----squared error: 3.9131 parameter: [18.398 5 -0.16294184]	0.67718779 -1.9569062
Round6139-----squared error: 3.9131 parameter: [18.398 2 -0.16294144]	0.67718517 -1.9569086
Round6140-----squared error: 3.9131 parameter: [18.398 9 -0.16294104]	0.67718255 -1.9569109
Round6141-----squared error: 3.9131 parameter: [18.398 6 -0.16294064]	0.67717993 -1.9569133
Round6142-----squared error: 3.9131 parameter: [18.398 3 -0.16294024]	0.67717731 -1.9569157
Round6143-----squared error: 3.9131 parameter: [18.398 -0.16293984]	0.6771747 -1.9569181
Round6144-----squared error: 3.9131 parameter: [18.398 6 -0.16293944]	0.67717209 -1.9569204

Round6145-----squared error: 3.9131 parameter: [18.398 2 -0.16293905]	0.67716948 -1.9569228
Round6146-----squared error: 3.9131 parameter: [18.398 8 -0.16293865]	0.67716688 -1.9569251
Round6147-----squared error: 3.9131 parameter: [18.398 4 -0.16293825]	0.67716428 -1.9569275
Round6148-----squared error: 3.9131 parameter: [18.398 9 -0.16293785]	0.67716168 -1.9569298
Round6149-----squared error: 3.9131 parameter: [18.398 4 -0.16293746]	0.67715908 -1.9569322
Round6150-----squared error: 3.9131 parameter: [18.398 9 -0.16293706]	0.67715648 -1.9569345
Round6151-----squared error: 3.9131 parameter: [18.398 4 -0.16293666]	0.67715389 -1.9569369
Round6152-----squared error: 3.9131 parameter: [18.398 8 -0.16293627]	0.6771513 -1.9569392
Round6153-----squared error: 3.9131 parameter: [18.398 3 -0.16293587]	0.67714871 -1.9569416
Round6154-----squared error: 3.9131 parameter: [18.398 7 -0.16293548]	0.67714613 -1.9569439
Round6155-----squared error: 3.9131 parameter: [18.398 1 -0.16293508]	0.67714354 -1.9569463
Round6156-----squared error: 3.9131 parameter: [18.398 4 -0.16293469]	0.67714096 -1.9569486
Round6157-----squared error: 3.9131 parameter: [18.398 8 -0.1629343]	0.67713838 -1.9569509
Round6158-----squared error: 3.9131 parameter: [18.398 1 -0.1629339]	0.67713581 -1.9569533
Round6159-----squared error: 3.9131 parameter: [18.398 4 -0.16293351]	0.67713324 -1.9569556
Round6160-----squared error: 3.9131 parameter: [18.398 6 -0.16293312]	0.67713067 -1.9569579
Round6161-----squared error: 3.9131 parameter: [18.398 9 -0.16293272]	0.6771281 -1.9569602
Round6162-----squared error: 3.9131 parameter: [18.398 1 -0.16293233]	0.67712553 -1.9569626
Round6163-----squared error: 3.9131 parameter: [18.398 3 -0.16293194]	0.67712297 -1.9569649
Round6164-----squared error: 3.9131 parameter: [18.398 5 -0.16293155]	0.67712041 -1.9569672
Round6165-----squared error: 3.9131 parameter: [18.398 7 -0.16293116]	0.67711785 -1.9569695
Round6166-----squared error: 3.9131 parameter: [18.398 8 -0.16293077]	0.6771153 -1.9569718
Round6167-----squared error: 3.9131 parameter: [18.398 9 -0.16293038]	0.67711274 -1.9569741
Round6168-----squared error: 3.9131 parameter: [18.398 -0.16292999]	0.67711019 -1.9569765
Round6169-----squared error: 3.9131 parameter: [18.398 1 -0.1629296]	0.67710764 -1.9569788
Round6170-----squared error: 3.9131 parameter: [18.398 1 -0.16292921]	0.6771051 -1.9569811
Round6171-----squared error: 3.9131 parameter: [18.398 1 -0.16292882]	0.67710255 -1.9569834
Round6172-----squared error: 3.9131 parameter: [18.398 1 -0.16292844]	0.67710001 -1.9569857
Round6173-----squared error: 3.9131 parameter: [18.398 1 -0.16292805]	0.67709747 -1.9569880
Round6174-----squared error: 3.9131 parameter: [18.398 1 -0.16292766]	0.67709494 -1.9569903
Round6175-----squared error: 3.9131 parameter: [18.398 -0.16292727]	0.67709241 -1.9569926
Round6176-----squared error: 3.9131 parameter: [18.398 9 -0.16292689]	0.67708987 -1.9569948

Round6177-----squared error: 3.9131 parameter: [18.398 8 -0.1629265]	0.67708735 -1.9569971
Round6178-----squared error: 3.9131 parameter: [18.398 7 -0.16292611]	0.67708482 -1.9569994
Round6179-----squared error: 3.9131 parameter: [18.398 6 -0.16292573]	0.6770823 -1.9570017
Round6180-----squared error: 3.9131 parameter: [18.398 4 -0.16292534]	0.67707977 -1.9570040
Round6181-----squared error: 3.9131 parameter: [18.398 2 -0.16292496]	0.67707726 -1.9570063
Round6182-----squared error: 3.9131 parameter: [18.398 -0.16292458]	0.67707474 -1.9570086
Round6183-----squared error: 3.9131 parameter: [18.398 7 -0.16292419]	0.67707222 -1.9570108
Round6184-----squared error: 3.9131 parameter: [18.398 5 -0.16292381]	0.67706971 -1.9570131
Round6185-----squared error: 3.9131 parameter: [18.398 2 -0.16292342]	0.6770672 -1.9570154
Round6186-----squared error: 3.9131 parameter: [18.398 9 -0.16292304]	0.6770647 -1.9570176
Round6187-----squared error: 3.9131 parameter: [18.398 6 -0.16292266]	0.67706219 -1.9570199
Round6188-----squared error: 3.9131 parameter: [18.398 2 -0.16292228]	0.67705969 -1.9570222
Round6189-----squared error: 3.9131 parameter: [18.398 8 -0.1629219]	0.67705719 -1.9570244
Round6190-----squared error: 3.9131 parameter: [18.398 4 -0.16292151]	0.67705469 -1.9570267
Round6191-----squared error: 3.9131 parameter: [18.398 -0.16292113]	0.6770522 -1.957029
Round6192-----squared error: 3.9131 parameter: [18.398 6 -0.16292075]	0.67704971 -1.9570312
Round6193-----squared error: 3.9131 parameter: [18.398 1 -0.16292037]	0.67704722 -1.9570335
Round6194-----squared error: 3.9131 parameter: [18.398 7 -0.16291999]	0.67704473 -1.9570357
Round6195-----squared error: 3.9131 parameter: [18.398 2 -0.16291961]	0.67704224 -1.9570380
Round6196-----squared error: 3.9131 parameter: [18.398 6 -0.16291923]	0.67703976 -1.9570402
Round6197-----squared error: 3.9131 parameter: [18.398 1 -0.16291885]	0.67703728 -1.9570425
Round6198-----squared error: 3.9131 parameter: [18.398 5 -0.16291848]	0.6770348 -1.9570447
Round6199-----squared error: 3.9131 parameter: [18.398 9 -0.1629181]	0.67703233 -1.9570469
Round6200-----squared error: 3.9131 parameter: [18.398 3 -0.16291772]	0.67702985 -1.9570492
Round6201-----squared error: 3.9131 parameter: [18.398 7 -0.16291734]	0.67702738 -1.9570514
Round6202-----squared error: 3.9131 parameter: [18.398 -0.16291697]	0.67702491 -1.9570537
Round6203-----squared error: 3.9131 parameter: [18.398 4 -0.16291659]	0.67702245 -1.9570559
Round6204-----squared error: 3.9131 parameter: [18.398 7 -0.16291621]	0.67701998 -1.9570581
Round6205-----squared error: 3.9131 parameter: [18.398 -0.16291584]	0.67701752 -1.9570604
Round6206-----squared error: 3.9131 parameter: [18.398 2 -0.16291546]	0.67701506 -1.9570626
Round6207-----squared error: 3.9131 parameter: [18.398 5 -0.16291509]	0.67701261 -1.9570648
Round6208-----squared error: 3.9131 parameter: [18.398 7 -0.16291471]	0.67701015 -1.9570670

Round6209-----squared error: 3.9131 parameter: [18.398 9 -0.16291434]	0.6770077 -1.9570692
Round6210-----squared error: 3.9131 parameter: [18.398 1 -0.16291396]	0.67700525 -1.9570715
Round6211-----squared error: 3.9131 parameter: [18.398 2 -0.16291359]	0.6770028 -1.9570737
Round6212-----squared error: 3.9131 parameter: [18.398 3 -0.16291321]	0.67700036 -1.9570759
Round6213-----squared error: 3.9131 parameter: [18.398 5 -0.16291284]	0.67699792 -1.9570781
Round6214-----squared error: 3.9131 parameter: [18.398 5 -0.16291247]	0.67699548 -1.9570803
Round6215-----squared error: 3.9131 parameter: [18.398 6 -0.1629121]	0.67699304 -1.9570825
Round6216-----squared error: 3.9131 parameter: [18.398 7 -0.16291172]	0.6769906 -1.9570847
Round6217-----squared error: 3.9131 parameter: [18.398 7 -0.16291135]	0.67698817 -1.9570869
Round6218-----squared error: 3.9131 parameter: [18.398 7 -0.16291098]	0.67698574 -1.9570891
Round6219-----squared error: 3.9131 parameter: [18.398 7 -0.16291061]	0.67698331 -1.9570913
Round6220-----squared error: 3.9131 parameter: [18.398 6 -0.16291024]	0.67698089 -1.9570935
Round6221-----squared error: 3.9131 parameter: [18.398 6 -0.16290987]	0.67697846 -1.9570957
Round6222-----squared error: 3.9131 parameter: [18.398 5 -0.1629095]	0.67697604 -1.9570979
Round6223-----squared error: 3.9131 parameter: [18.398 4 -0.16290913]	0.67697362 -1.9571001
Round6224-----squared error: 3.9131 parameter: [18.398 3 -0.16290876]	0.6769712 -1.9571023
Round6225-----squared error: 3.9131 parameter: [18.398 1 -0.16290839]	0.67696879 -1.9571045
Round6226-----squared error: 3.9131 parameter: [18.398 -0.16290802]	0.67696638 -1.9571067
Round6227-----squared error: 3.9131 parameter: [18.398 8 -0.16290766]	0.67696397 -1.9571088
Round6228-----squared error: 3.9131 parameter: [18.398 6 -0.16290729]	0.67696156 -1.9571110
Round6229-----squared error: 3.9131 parameter: [18.398 4 -0.16290692]	0.67695916 -1.9571132
Round6230-----squared error: 3.9131 parameter: [18.398 1 -0.16290655]	0.67695675 -1.9571154
Round6231-----squared error: 3.9131 parameter: [18.398 9 -0.16290619]	0.67695435 -1.9571175
Round6232-----squared error: 3.9131 parameter: [18.398 6 -0.16290582]	0.67695195 -1.9571197
Round6233-----squared error: 3.9131 parameter: [18.398 3 -0.16290546]	0.67694956 -1.9571219
Round6234-----squared error: 3.9131 parameter: [18.398 9 -0.16290509]	0.67694717 -1.9571240
Round6235-----squared error: 3.9131 parameter: [18.398 6 -0.16290473]	0.67694477 -1.9571262
Round6236-----squared error: 3.9131 parameter: [18.398 2 -0.16290436]	0.67694238 -1.9571284
Round6237-----squared error: 3.9131 parameter: [18.398 8 -0.162904]	0.67694 -1.9571305
Round6238-----squared error: 3.9131 parameter: [18.398 4 -0.16290363]	0.67693761 -1.9571327
Round6239-----squared error: 3.9131 parameter: [18.398 -0.16290327]	0.67693523 -1.9571349
Round6240-----squared error: 3.9131 parameter: [18.398 5 -0.1629029]	0.67693285 -1.9571370

Round6241-----squared error: 3.9131 parameter: [18.398 -0.16290254]	0.67693047 -1.9571392
Round6242-----squared error: 3.9131 parameter: [18.398 5 -0.16290218]	0.6769281 -1.9571413
Round6243-----squared error: 3.9131 parameter: [18.398 -0.16290182]	0.67692573 -1.9571435
Round6244-----squared error: 3.9131 parameter: [18.398 5 -0.16290145]	0.67692336 -1.9571456
Round6245-----squared error: 3.9131 parameter: [18.398 9 -0.16290109]	0.67692099 -1.9571477
Round6246-----squared error: 3.9131 parameter: [18.398 3 -0.16290073]	0.67691862 -1.9571499
Round6247-----squared error: 3.9131 parameter: [18.398 7 -0.16290037]	0.67691626 -1.9571520
Round6248-----squared error: 3.9131 parameter: [18.398 1 -0.16290001]	0.6769139 -1.9571542
Round6249-----squared error: 3.9131 parameter: [18.398 5 -0.16289965]	0.67691154 -1.9571563
Round6250-----squared error: 3.9131 parameter: [18.398 8 -0.16289929]	0.67690918 -1.9571584
Round6251-----squared error: 3.9131 parameter: [18.398 1 -0.16289893]	0.67690683 -1.9571606
Round6252-----squared error: 3.9131 parameter: [18.398 4 -0.16289857]	0.67690447 -1.9571627
Round6253-----squared error: 3.9131 parameter: [18.398 7 -0.16289821]	0.67690212 -1.9571648
Round6254-----squared error: 3.9131 parameter: [18.398 -0.16289785]	0.67689978 -1.957167
Round6255-----squared error: 3.9131 parameter: [18.398 2 -0.16289749]	0.67689743 -1.9571691
Round6256-----squared error: 3.9131 parameter: [18.398 4 -0.16289714]	0.67689509 -1.9571712
Round6257-----squared error: 3.9131 parameter: [18.398 6 -0.16289678]	0.67689275 -1.9571733
Round6258-----squared error: 3.9131 parameter: [18.398 8 -0.16289642]	0.67689041 -1.9571754
Round6259-----squared error: 3.9131 parameter: [18.398 9 -0.16289606]	0.67688807 -1.9571775
Round6260-----squared error: 3.9131 parameter: [18.398 1 -0.16289571]	0.67688574 -1.9571797
Round6261-----squared error: 3.9131 parameter: [18.398 2 -0.16289535]	0.6768834 -1.9571818
Round6262-----squared error: 3.9131 parameter: [18.398 3 -0.162895]	0.67688107 -1.9571839
Round6263-----squared error: 3.9131 parameter: [18.398 3 -0.16289464]	0.67687875 -1.9571860
Round6264-----squared error: 3.9131 parameter: [18.398 4 -0.16289429]	0.67687642 -1.9571881
Round6265-----squared error: 3.9131 parameter: [18.398 4 -0.16289393]	0.6768741 -1.9571902
Round6266-----squared error: 3.9131 parameter: [18.398 4 -0.16289358]	0.67687178 -1.9571923
Round6267-----squared error: 3.9131 parameter: [18.398 4 -0.16289322]	0.67686946 -1.9571944
Round6268-----squared error: 3.9131 parameter: [18.398 4 -0.16289287]	0.67686714 -1.9571965
Round6269-----squared error: 3.9131 parameter: [18.398 3 -0.16289251]	0.67686483 -1.9571986
Round6270-----squared error: 3.9131 parameter: [18.398 3 -0.16289216]	0.67686252 -1.9572007
Round6271-----squared error: 3.9131 parameter: [18.398 2 -0.16289181]	0.67686021 -1.9572028
Round6272-----squared error: 3.9131 parameter: [18.398 1 -0.16289146]	0.6768579 -1.9572049

Round6273-----squared error: 3.9131 parameter: [18.398 9 -0.1628911]	0.67685559 -1.9572069
Round6274-----squared error: 3.9131 parameter: [18.398 8 -0.16289075]	0.67685329 -1.9572090
Round6275-----squared error: 3.9131 parameter: [18.398 6 -0.1628904]	0.67685099 -1.9572111
Round6276-----squared error: 3.9131 parameter: [18.398 4 -0.16289005]	0.67684869 -1.9572132
Round6277-----squared error: 3.9131 parameter: [18.398 2 -0.1628897]	0.67684639 -1.9572153
Round6278-----squared error: 3.9131 parameter: [18.398 -0.16288935]	0.6768441 -1.9572174
Round6279-----squared error: 3.9131 parameter: [18.398 7 -0.162889]	0.67684181 -1.9572194
Round6280-----squared error: 3.9131 parameter: [18.398 5 -0.16288865]	0.67683952 -1.9572215
Round6281-----squared error: 3.9131 parameter: [18.398 2 -0.1628883]	0.67683723 -1.9572236
Round6282-----squared error: 3.9131 parameter: [18.398 9 -0.16288795]	0.67683494 -1.9572256
Round6283-----squared error: 3.9131 parameter: [18.398 5 -0.1628876]	0.67683266 -1.9572277
Round6284-----squared error: 3.9131 parameter: [18.398 2 -0.16288725]	0.67683038 -1.9572298
Round6285-----squared error: 3.9131 parameter: [18.398 8 -0.16288691]	0.6768281 -1.9572318
Round6286-----squared error: 3.9131 parameter: [18.398 4 -0.16288656]	0.67682583 -1.9572339
Round6287-----squared error: 3.9131 parameter: [18.398 -0.16288621]	0.67682355 -1.957236
Round6288-----squared error: 3.9131 parameter: [18.398 6 -0.16288586]	0.67682128 -1.9572380
Round6289-----squared error: 3.9131 parameter: [18.398 2 -0.16288552]	0.67681901 -1.9572401
Round6290-----squared error: 3.9131 parameter: [18.398 7 -0.16288517]	0.67681674 -1.9572421
Round6291-----squared error: 3.9131 parameter: [18.398 2 -0.16288482]	0.67681447 -1.9572442
Round6292-----squared error: 3.9131 parameter: [18.398 7 -0.16288448]	0.67681221 -1.9572462
Round6293-----squared error: 3.9131 parameter: [18.398 2 -0.16288413]	0.67680995 -1.9572483
Round6294-----squared error: 3.9131 parameter: [18.398 6 -0.16288379]	0.67680769 -1.9572503
Round6295-----squared error: 3.9131 parameter: [18.398 -0.16288344]	0.67680543 -1.9572524
Round6296-----squared error: 3.9131 parameter: [18.398 5 -0.1628831]	0.67680318 -1.9572544
Round6297-----squared error: 3.9131 parameter: [18.398 9 -0.16288275]	0.67680093 -1.9572564
Round6298-----squared error: 3.9131 parameter: [18.398 2 -0.16288241]	0.67679868 -1.9572585
Round6299-----squared error: 3.9131 parameter: [18.398 6 -0.16288207]	0.67679643 -1.9572605
Round6300-----squared error: 3.9131 parameter: [18.398 9 -0.16288172]	0.67679418 -1.9572625
Round6301-----squared error: 3.9131 parameter: [18.398 2 -0.16288138]	0.67679194 -1.9572646
Round6302-----squared error: 3.9131 parameter: [18.398 5 -0.16288104]	0.6767897 -1.9572666
Round6303-----squared error: 3.9131 parameter: [18.398 8 -0.1628807]	0.67678746 -1.9572686
Round6304-----squared error: 3.9131 parameter: [18.398 1 -0.16288036]	0.67678522 -1.9572707

Round6305-----squared error: 3.9131 parameter: [18.398 3 -0.16288001]	0.67678298 -1.9572727
Round6306-----squared error: 3.9131 parameter: [18.398 5 -0.16287967]	0.67678075 -1.9572747
Round6307-----squared error: 3.9131 parameter: [18.398 7 -0.16287933]	0.67677852 -1.9572767
Round6308-----squared error: 3.9131 parameter: [18.398 9 -0.16287899]	0.67677629 -1.9572787
Round6309-----squared error: 3.9131 parameter: [18.398 -0.16287865]	0.67677406 -1.9572808
Round6310-----squared error: 3.9131 parameter: [18.398 2 -0.16287831]	0.67677184 -1.9572828
Round6311-----squared error: 3.9131 parameter: [18.398 3 -0.16287797]	0.67676962 -1.9572848
Round6312-----squared error: 3.9131 parameter: [18.398 4 -0.16287763]	0.6767674 -1.9572868
Round6313-----squared error: 3.9131 parameter: [18.398 5 -0.16287729]	0.67676518 -1.9572888
Round6314-----squared error: 3.9131 parameter: [18.398 5 -0.16287696]	0.67676296 -1.9572908
Round6315-----squared error: 3.9131 parameter: [18.398 6 -0.16287662]	0.67676075 -1.9572928
Round6316-----squared error: 3.9131 parameter: [18.398 6 -0.16287628]	0.67675854 -1.9572948
Round6317-----squared error: 3.9131 parameter: [18.398 6 -0.16287594]	0.67675633 -1.9572968
Round6318-----squared error: 3.9131 parameter: [18.398 6 -0.16287561]	0.67675412 -1.9572988
Round6319-----squared error: 3.9131 parameter: [18.398 6 -0.16287527]	0.67675191 -1.9573008
Round6320-----squared error: 3.9131 parameter: [18.398 5 -0.16287493]	0.67674971 -1.9573028
Round6321-----squared error: 3.9131 parameter: [18.398 4 -0.1628746]	0.67674751 -1.9573048
Round6322-----squared error: 3.9131 parameter: [18.398 3 -0.16287426]	0.67674531 -1.9573068
Round6323-----squared error: 3.9131 parameter: [18.398 2 -0.16287392]	0.67674311 -1.9573088
Round6324-----squared error: 3.9131 parameter: [18.398 1 -0.16287359]	0.67674092 -1.9573108
Round6325-----squared error: 3.9131 parameter: [18.398 -0.16287325]	0.67673873 -1.9573128
Round6326-----squared error: 3.9131 parameter: [18.398 8 -0.16287292]	0.67673654 -1.9573147
Round6327-----squared error: 3.9131 parameter: [18.398 6 -0.16287259]	0.67673435 -1.9573167
Round6328-----squared error: 3.9131 parameter: [18.398 4 -0.16287225]	0.67673216 -1.9573187
Round6329-----squared error: 3.9131 parameter: [18.398 2 -0.16287192]	0.67672998 -1.9573207
Round6330-----squared error: 3.9131 parameter: [18.398 9 -0.16287158]	0.6767278 -1.9573226
Round6331-----squared error: 3.9131 parameter: [18.398 7 -0.16287125]	0.67672562 -1.9573246
Round6332-----squared error: 3.9131 parameter: [18.398 4 -0.16287092]	0.67672344 -1.9573266
Round6333-----squared error: 3.9131 parameter: [18.398 1 -0.16287059]	0.67672126 -1.9573286
Round6334-----squared error: 3.9131 parameter: [18.398 8 -0.16287025]	0.67671909 -1.9573305
Round6335-----squared error: 3.9131 parameter: [18.398 4 -0.16286992]	0.67671692 -1.9573325
Round6336-----squared error: 3.9131 parameter: [18.398 1 -0.16286959]	0.67671475 -1.9573345

Round6337-----squared error: 3.9131 parameter: [18.398 7 -0.16286926]	0.67671258 -1.9573364
Round6338-----squared error: 3.9131 parameter: [18.398 3 -0.16286893]	0.67671041 -1.9573384
Round6339-----squared error: 3.9131 parameter: [18.398 9 -0.1628686]	0.67670825 -1.9573403
Round6340-----squared error: 3.9131 parameter: [18.398 4 -0.16286827]	0.67670609 -1.9573423
Round6341-----squared error: 3.9131 parameter: [18.398 -0.16286794]	0.67670393 -1.9573443
Round6342-----squared error: 3.9131 parameter: [18.398 5 -0.16286761]	0.67670177 -1.9573462
Round6343-----squared error: 3.9131 parameter: [18.398 -0.16286728]	0.67669962 -1.9573482
Round6344-----squared error: 3.9131 parameter: [18.398 5 -0.16286695]	0.67669747 -1.9573501
Round6345-----squared error: 3.9131 parameter: [18.398 -0.16286662]	0.67669532 -1.9573521
Round6346-----squared error: 3.9131 parameter: [18.398 4 -0.1628663]	0.67669317 -1.9573540
Round6347-----squared error: 3.9131 parameter: [18.398 9 -0.16286597]	0.67669102 -1.9573559
Round6348-----squared error: 3.9131 parameter: [18.398 3 -0.16286564]	0.67668888 -1.9573579
Round6349-----squared error: 3.9131 parameter: [18.398 7 -0.16286531]	0.67668673 -1.9573598
Round6350-----squared error: 3.9131 parameter: [18.398 1 -0.16286499]	0.67668459 -1.9573618
Round6351-----squared error: 3.9131 parameter: [18.398 4 -0.16286466]	0.67668245 -1.9573637
Round6352-----squared error: 3.9131 parameter: [18.398 8 -0.16286433]	0.67668032 -1.9573656
Round6353-----squared error: 3.9131 parameter: [18.398 1 -0.16286401]	0.67667818 -1.9573676
Round6354-----squared error: 3.9131 parameter: [18.398 4 -0.16286368]	0.67667605 -1.9573695
Round6355-----squared error: 3.9131 parameter: [18.398 7 -0.16286336]	0.67667392 -1.9573714
Round6356-----squared error: 3.9131 parameter: [18.398 9 -0.16286303]	0.67667179 -1.9573733
Round6357-----squared error: 3.9131 parameter: [18.398 2 -0.16286271]	0.67666967 -1.9573753
Round6358-----squared error: 3.9131 parameter: [18.398 4 -0.16286238]	0.67666754 -1.9573772
Round6359-----squared error: 3.9131 parameter: [18.398 6 -0.16286206]	0.67666542 -1.9573791
Round6360-----squared error: 3.9131 parameter: [18.398 8 -0.16286173]	0.6766633 -1.9573810
Round6361-----squared error: 3.9131 parameter: [18.398 -0.16286141]	0.67666118 -1.957383
Round6362-----squared error: 3.9131 parameter: [18.398 1 -0.16286109]	0.67665907 -1.9573849
Round6363-----squared error: 3.9131 parameter: [18.398 3 -0.16286076]	0.67665695 -1.9573868
Round6364-----squared error: 3.9131 parameter: [18.398 4 -0.16286044]	0.67665484 -1.9573887
Round6365-----squared error: 3.9131 parameter: [18.398 5 -0.16286012]	0.67665273 -1.9573906
Round6366-----squared error: 3.9131 parameter: [18.398 6 -0.1628598]	0.67665062 -1.9573925
Round6367-----squared error: 3.9131 parameter: [18.398 6 -0.16285948]	0.67664852 -1.9573944
Round6368-----squared error: 3.9131 parameter: [18.398 7 -0.16285915]	0.67664641 -1.9573963

Round6369-----squared error: 3.9131 parameter: [18.398 7 -0.16285883]	0.67664431 -1.9573982
Round6370-----squared error: 3.9131 parameter: [18.398 7 -0.16285851]	0.67664221 -1.9574001
Round6371-----squared error: 3.9131 parameter: [18.398 7 -0.16285819]	0.67664012 -1.9574020
Round6372-----squared error: 3.9131 parameter: [18.398 7 -0.16285787]	0.67663802 -1.9574039
Round6373-----squared error: 3.9131 parameter: [18.398 6 -0.16285755]	0.67663593 -1.9574058
Round6374-----squared error: 3.9131 parameter: [18.398 6 -0.16285723]	0.67663383 -1.9574077
Round6375-----squared error: 3.9131 parameter: [18.398 5 -0.16285691]	0.67663175 -1.9574096
Round6376-----squared error: 3.9131 parameter: [18.398 4 -0.1628566]	0.67662966 -1.9574115
Round6377-----squared error: 3.9131 parameter: [18.398 3 -0.16285628]	0.67662757 -1.9574134
Round6378-----squared error: 3.9131 parameter: [18.398 1 -0.16285596]	0.67662549 -1.9574153
Round6379-----squared error: 3.9131 parameter: [18.398 -0.16285564]	0.67662341 -1.9574172
Round6380-----squared error: 3.9131 parameter: [18.398 8 -0.16285532]	0.67662133 -1.9574190
Round6381-----squared error: 3.9131 parameter: [18.398 6 -0.16285501]	0.67661925 -1.9574209
Round6382-----squared error: 3.9131 parameter: [18.398 4 -0.16285469]	0.67661717 -1.9574228
Round6383-----squared error: 3.9131 parameter: [18.398 2 -0.16285437]	0.6766151 -1.9574247
Round6384-----squared error: 3.9131 parameter: [18.398 9 -0.16285406]	0.67661303 -1.9574265
Round6385-----squared error: 3.9131 parameter: [18.398 7 -0.16285374]	0.67661096 -1.9574284
Round6386-----squared error: 3.9131 parameter: [18.398 4 -0.16285342]	0.67660889 -1.9574303
Round6387-----squared error: 3.9131 parameter: [18.398 1 -0.16285311]	0.67660683 -1.9574322
Round6388-----squared error: 3.9131 parameter: [18.398 8 -0.16285279]	0.67660476 -1.9574340
Round6389-----squared error: 3.9131 parameter: [18.398 4 -0.16285248]	0.6766027 -1.9574359
Round6390-----squared error: 3.9131 parameter: [18.398 1 -0.16285216]	0.67660064 -1.9574378
Round6391-----squared error: 3.9131 parameter: [18.398 7 -0.16285185]	0.67659859 -1.9574396
Round6392-----squared error: 3.9131 parameter: [18.398 3 -0.16285154]	0.67659653 -1.9574415
Round6393-----squared error: 3.9131 parameter: [18.398 9 -0.16285122]	0.67659448 -1.9574433
Round6394-----squared error: 3.9131 parameter: [18.398 5 -0.16285091]	0.67659242 -1.9574452
Round6395-----squared error: 3.9131 parameter: [18.398 -0.1628506]	0.67659037 -1.9574471
Round6396-----squared error: 3.9131 parameter: [18.398 6 -0.16285028]	0.67658833 -1.9574489
Round6397-----squared error: 3.9131 parameter: [18.398 1 -0.16284997]	0.67658628 -1.9574508
Round6398-----squared error: 3.9131 parameter: [18.398 6 -0.16284966]	0.67658424 -1.9574526
Round6399-----squared error: 3.9131 parameter: [18.398 1 -0.16284935]	0.6765822 -1.9574545
Round6400-----squared error: 3.9131 parameter: [18.398 5 -0.16284903]	0.67658016 -1.9574563

Round6401-----squared error: 3.9131 parameter: [18.398 -0.16284872]	0.67657812 -1.9574582
Round6402-----squared error: 3.9131 parameter: [18.398 4 -0.16284841]	0.67657608 -1.9574600
Round6403-----squared error: 3.9131 parameter: [18.398 8 -0.1628481]	0.67657405 -1.9574618
Round6404-----squared error: 3.9131 parameter: [18.398 2 -0.16284779]	0.67657202 -1.9574637
Round6405-----squared error: 3.9131 parameter: [18.398 6 -0.16284748]	0.67656999 -1.9574655
Round6406-----squared error: 3.9131 parameter: [18.398 -0.16284717]	0.67656796 -1.9574674
Round6407-----squared error: 3.9131 parameter: [18.398 3 -0.16284686]	0.67656593 -1.9574692
Round6408-----squared error: 3.9131 parameter: [18.398 6 -0.16284655]	0.67656391 -1.9574710
Round6409-----squared error: 3.9131 parameter: [18.398 9 -0.16284624]	0.67656189 -1.9574728
Round6410-----squared error: 3.9131 parameter: [18.398 2 -0.16284594]	0.67655987 -1.9574747
Round6411-----squared error: 3.9131 parameter: [18.398 5 -0.16284563]	0.67655785 -1.9574765
Round6412-----squared error: 3.9131 parameter: [18.398 7 -0.16284532]	0.67655583 -1.9574783
Round6413-----squared error: 3.9131 parameter: [18.398 -0.16284501]	0.67655382 -1.9574802
Round6414-----squared error: 3.9131 parameter: [18.398 2 -0.1628447]	0.6765518 -1.9574820
Round6415-----squared error: 3.9131 parameter: [18.398 4 -0.1628444]	0.67654979 -1.9574838
Round6416-----squared error: 3.9131 parameter: [18.398 6 -0.16284409]	0.67654779 -1.9574856
Round6417-----squared error: 3.9131 parameter: [18.398 8 -0.16284378]	0.67654578 -1.9574874
Round6418-----squared error: 3.9131 parameter: [18.398 9 -0.16284348]	0.67654377 -1.9574892
Round6419-----squared error: 3.9131 parameter: [18.398 -0.16284317]	0.67654177 -1.9574911
Round6420-----squared error: 3.9131 parameter: [18.398 2 -0.16284287]	0.67653977 -1.9574929
Round6421-----squared error: 3.9131 parameter: [18.398 3 -0.16284256]	0.67653777 -1.9574947
Round6422-----squared error: 3.9131 parameter: [18.398 3 -0.16284226]	0.67653577 -1.9574965
Round6423-----squared error: 3.9131 parameter: [18.398 4 -0.16284195]	0.67653378 -1.9574983
Round6424-----squared error: 3.9131 parameter: [18.398 4 -0.16284165]	0.67653179 -1.9575001
Round6425-----squared error: 3.9131 parameter: [18.398 5 -0.16284134]	0.67652979 -1.9575019
Round6426-----squared error: 3.9131 parameter: [18.398 5 -0.16284104]	0.67652781 -1.9575037
Round6427-----squared error: 3.9131 parameter: [18.398 5 -0.16284073]	0.67652582 -1.9575055
Round6428-----squared error: 3.9131 parameter: [18.398 4 -0.16284043]	0.67652383 -1.9575073
Round6429-----squared error: 3.9131 parameter: [18.398 4 -0.16284013]	0.67652185 -1.9575091
Round6430-----squared error: 3.9131 parameter: [18.398 3 -0.16283983]	0.67651987 -1.9575109
Round6431-----squared error: 3.9131 parameter: [18.398 3 -0.16283952]	0.67651789 -1.9575127
Round6432-----squared error: 3.9131 parameter: [18.398 2 -0.16283922]	0.67651591 -1.9575145

Round6433-----squared error: 3.9131 parameter: [18.398 1 -0.16283892]	0.67651393 -1.9575163
Round6434-----squared error: 3.9131 parameter: [18.398 9 -0.16283862]	0.67651196 -1.9575180
Round6435-----squared error: 3.9131 parameter: [18.398 8 -0.16283832]	0.67650999 -1.9575198
Round6436-----squared error: 3.9131 parameter: [18.398 6 -0.16283802]	0.67650802 -1.9575216
Round6437-----squared error: 3.9131 parameter: [18.398 4 -0.16283771]	0.67650605 -1.9575234
Round6438-----squared error: 3.9131 parameter: [18.398 2 -0.16283741]	0.67650408 -1.9575252
Round6439-----squared error: 3.9131 parameter: [18.398 -0.16283711]	0.67650212 -1.957527
Round6440-----squared error: 3.9131 parameter: [18.398 8 -0.16283681]	0.67650016 -1.9575287
Round6441-----squared error: 3.9131 parameter: [18.398 5 -0.16283652]	0.67649819 -1.9575305
Round6442-----squared error: 3.9131 parameter: [18.398 3 -0.16283622]	0.67649624 -1.9575323
Round6443-----squared error: 3.9131 parameter: [18.398 -0.16283592]	0.67649428 -1.9575341
Round6444-----squared error: 3.9131 parameter: [18.398 7 -0.16283562]	0.67649232 -1.9575358
Round6445-----squared error: 3.9131 parameter: [18.398 4 -0.16283532]	0.67649037 -1.9575376
Round6446-----squared error: 3.9131 parameter: [18.398 1 -0.16283502]	0.67648842 -1.9575394
Round6447-----squared error: 3.9131 parameter: [18.398 7 -0.16283472]	0.67648647 -1.9575411
Round6448-----squared error: 3.9131 parameter: [18.398 3 -0.16283443]	0.67648452 -1.9575429
Round6449-----squared error: 3.9131 parameter: [18.398 9 -0.16283413]	0.67648258 -1.9575446
Round6450-----squared error: 3.9131 parameter: [18.398 5 -0.16283383]	0.67648063 -1.9575464
Round6451-----squared error: 3.9131 parameter: [18.398 1 -0.16283354]	0.67647869 -1.9575482
Round6452-----squared error: 3.9131 parameter: [18.398 7 -0.16283324]	0.67647675 -1.9575499
Round6453-----squared error: 3.9131 parameter: [18.398 2 -0.16283294]	0.67647481 -1.9575517
Round6454-----squared error: 3.9131 parameter: [18.398 8 -0.16283265]	0.67647288 -1.9575534
Round6455-----squared error: 3.9131 parameter: [18.398 3 -0.16283235]	0.67647094 -1.9575552
Round6456-----squared error: 3.9131 parameter: [18.398 8 -0.16283206]	0.67646901 -1.9575569
Round6457-----squared error: 3.9131 parameter: [18.398 3 -0.16283176]	0.67646708 -1.9575587
Round6458-----squared error: 3.9131 parameter: [18.398 7 -0.16283147]	0.67646515 -1.9575604
Round6459-----squared error: 3.9131 parameter: [18.398 2 -0.16283117]	0.67646322 -1.9575622
Round6460-----squared error: 3.9131 parameter: [18.398 6 -0.16283088]	0.6764613 -1.9575639
Round6461-----squared error: 3.9131 parameter: [18.398 -0.16283059]	0.67645937 -1.9575657
Round6462-----squared error: 3.9131 parameter: [18.398 4 -0.16283029]	0.67645745 -1.9575674
Round6463-----squared error: 3.9131 parameter: [18.398 8 -0.16283]	0.67645553 -1.9575691
Round6464-----squared error: 3.9131 parameter: [18.398 1 -0.16282971]	0.67645361 -1.9575709

Round6465-----squared error: 3.9131 parameter: [18.398 5 -0.16282941]	0.6764517 -1.9575726
Round6466-----squared error: 3.9131 parameter: [18.398 8 -0.16282912]	0.67644978 -1.9575743
Round6467-----squared error: 3.9131 parameter: [18.398 1 -0.16282883]	0.67644787 -1.9575761
Round6468-----squared error: 3.9131 parameter: [18.398 4 -0.16282854]	0.67644596 -1.9575778
Round6469-----squared error: 3.9131 parameter: [18.398 7 -0.16282825]	0.67644405 -1.9575795
Round6470-----squared error: 3.9131 parameter: [18.398 -0.16282795]	0.67644215 -1.9575813
Round6471-----squared error: 3.9131 parameter: [18.398 2 -0.16282766]	0.67644024 -1.9575830
Round6472-----squared error: 3.9131 parameter: [18.398 4 -0.16282737]	0.67643834 -1.9575847
Round6473-----squared error: 3.9131 parameter: [18.398 7 -0.16282708]	0.67643644 -1.9575864
Round6474-----squared error: 3.9131 parameter: [18.398 9 -0.16282679]	0.67643454 -1.9575881
Round6475-----squared error: 3.9131 parameter: [18.398 -0.1628265]	0.67643264 -1.9575899
Round6476-----squared error: 3.9131 parameter: [18.398 2 -0.16282621]	0.67643074 -1.9575916
Round6477-----squared error: 3.9131 parameter: [18.398 3 -0.16282592]	0.67642885 -1.9575933
Round6478-----squared error: 3.9131 parameter: [18.398 5 -0.16282563]	0.67642696 -1.9575950
Round6479-----squared error: 3.9131 parameter: [18.398 6 -0.16282535]	0.67642507 -1.9575967
Round6480-----squared error: 3.9131 parameter: [18.398 7 -0.16282506]	0.67642318 -1.9575984
Round6481-----squared error: 3.9131 parameter: [18.398 8 -0.16282477]	0.67642129 -1.9576001
Round6482-----squared error: 3.9131 parameter: [18.398 8 -0.16282448]	0.67641941 -1.9576018
Round6483-----squared error: 3.9131 parameter: [18.398 9 -0.16282419]	0.67641752 -1.9576035
Round6484-----squared error: 3.9131 parameter: [18.398 9 -0.16282391]	0.67641564 -1.9576052
Round6485-----squared error: 3.9131 parameter: [18.398 9 -0.16282362]	0.67641376 -1.9576069
Round6486-----squared error: 3.9131 parameter: [18.398 9 -0.16282333]	0.67641189 -1.9576086
Round6487-----squared error: 3.9131 parameter: [18.398 9 -0.16282305]	0.67641001 -1.9576103
Round6488-----squared error: 3.9131 parameter: [18.398 9 -0.16282276]	0.67640814 -1.9576120
Round6489-----squared error: 3.9131 parameter: [18.398 8 -0.16282247]	0.67640626 -1.9576137
Round6490-----squared error: 3.9131 parameter: [18.398 7 -0.16282219]	0.67640439 -1.9576154
Round6491-----squared error: 3.9131 parameter: [18.398 7 -0.1628219]	0.67640252 -1.9576171
Round6492-----squared error: 3.9131 parameter: [18.398 6 -0.16282162]	0.67640066 -1.9576188
Round6493-----squared error: 3.9131 parameter: [18.398 4 -0.16282133]	0.67639879 -1.9576205
Round6494-----squared error: 3.9131 parameter: [18.398 3 -0.16282105]	0.67639693 -1.9576222
Round6495-----squared error: 3.9131 parameter: [18.398 2 -0.16282076]	0.67639507 -1.9576239
Round6496-----squared error: 3.9131 parameter: [18.398 -0.16282048]	0.67639321 -1.9576256

Round6497-----squared error: 3.9131 parameter: [18.398 8 -0.1628202]	0.67639135 -1.9576272
Round6498-----squared error: 3.9131 parameter: [18.398 6 -0.16281991]	0.67638949 -1.9576289
Round6499-----squared error: 3.9131 parameter: [18.398 4 -0.16281963]	0.67638764 -1.9576306
Round6500-----squared error: 3.9131 parameter: [18.398 2 -0.16281935]	0.67638579 -1.9576323
Round6501-----squared error: 3.9131 parameter: [18.398 9 -0.16281906]	0.67638394 -1.9576339
Round6502-----squared error: 3.9131 parameter: [18.398 7 -0.16281878]	0.67638209 -1.9576356
Round6503-----squared error: 3.9131 parameter: [18.398 4 -0.1628185]	0.67638024 -1.9576373
Round6504-----squared error: 3.9131 parameter: [18.398 1 -0.16281822]	0.6763784 -1.9576390
Round6505-----squared error: 3.9131 parameter: [18.398 8 -0.16281794]	0.67637655 -1.9576406
Round6506-----squared error: 3.9131 parameter: [18.398 5 -0.16281765]	0.67637471 -1.9576423
Round6507-----squared error: 3.9131 parameter: [18.398 1 -0.16281737]	0.67637287 -1.9576440
Round6508-----squared error: 3.9131 parameter: [18.398 8 -0.16281709]	0.67637103 -1.9576456
Round6509-----squared error: 3.9131 parameter: [18.398 4 -0.16281681]	0.6763692 -1.9576473
Round6510-----squared error: 3.9131 parameter: [18.398 -0.16281653]	0.67636736 -1.957649
Round6511-----squared error: 3.9131 parameter: [18.398 6 -0.16281625]	0.67636553 -1.9576506
Round6512-----squared error: 3.9131 parameter: [18.398 2 -0.16281597]	0.6763637 -1.9576523
Round6513-----squared error: 3.9131 parameter: [18.398 7 -0.16281569]	0.67636187 -1.9576539
Round6514-----squared error: 3.9131 parameter: [18.398 3 -0.16281541]	0.67636004 -1.9576556
Round6515-----squared error: 3.9131 parameter: [18.398 8 -0.16281513]	0.67635821 -1.9576572
Round6516-----squared error: 3.9131 parameter: [18.398 3 -0.16281486]	0.67635639 -1.9576589
Round6517-----squared error: 3.9131 parameter: [18.398 8 -0.16281458]	0.67635457 -1.9576605
Round6518-----squared error: 3.9131 parameter: [18.398 3 -0.1628143]	0.67635275 -1.9576622
Round6519-----squared error: 3.9131 parameter: [18.398 8 -0.16281402]	0.67635093 -1.9576638
Round6520-----squared error: 3.9131 parameter: [18.398 2 -0.16281374]	0.67634911 -1.9576655
Round6521-----squared error: 3.9131 parameter: [18.398 7 -0.16281347]	0.6763473 -1.9576671
Round6522-----squared error: 3.9131 parameter: [18.398 1 -0.16281319]	0.67634548 -1.9576688
Round6523-----squared error: 3.9131 parameter: [18.398 5 -0.16281291]	0.67634367 -1.9576704
Round6524-----squared error: 3.9131 parameter: [18.398 9 -0.16281264]	0.67634186 -1.9576720
Round6525-----squared error: 3.9131 parameter: [18.398 2 -0.16281236]	0.67634005 -1.9576737
Round6526-----squared error: 3.9131 parameter: [18.398 6 -0.16281208]	0.67633825 -1.9576753
Round6527-----squared error: 3.9131 parameter: [18.398 9 -0.16281181]	0.67633644 -1.9576769
Round6528-----squared error: 3.9131 parameter: [18.398 3 -0.16281153]	0.67633464 -1.9576786

Round6529-----squared error: 3.9131 parameter: [18.398 6 -0.16281126]	0.67633284 -1.9576802
Round6530-----squared error: 3.9131 parameter: [18.398 9 -0.16281098]	0.67633104 -1.9576818
Round6531-----squared error: 3.9131 parameter: [18.398 1 -0.16281071]	0.67632924 -1.9576835
Round6532-----squared error: 3.9131 parameter: [18.398 4 -0.16281043]	0.67632744 -1.9576851
Round6533-----squared error: 3.9131 parameter: [18.398 6 -0.16281016]	0.67632565 -1.9576867
Round6534-----squared error: 3.9131 parameter: [18.398 9 -0.16280989]	0.67632386 -1.9576883
Round6535-----squared error: 3.9131 parameter: [18.398 1 -0.16280961]	0.67632206 -1.9576900
Round6536-----squared error: 3.9131 parameter: [18.398 3 -0.16280934]	0.67632027 -1.9576916
Round6537-----squared error: 3.9131 parameter: [18.398 5 -0.16280907]	0.67631849 -1.9576932
Round6538-----squared error: 3.9131 parameter: [18.398 6 -0.16280879]	0.6763167 -1.9576948
Round6539-----squared error: 3.9131 parameter: [18.398 8 -0.16280852]	0.67631492 -1.9576964
Round6540-----squared error: 3.9131 parameter: [18.398 9 -0.16280825]	0.67631313 -1.9576980
Round6541-----squared error: 3.9131 parameter: [18.398 -0.16280798]	0.67631135 -1.9576997
Round6542-----squared error: 3.9131 parameter: [18.398 2 -0.16280771]	0.67630958 -1.9577013
Round6543-----squared error: 3.9131 parameter: [18.398 2 -0.16280743]	0.6763078 -1.9577029
Round6544-----squared error: 3.9131 parameter: [18.398 3 -0.16280716]	0.67630602 -1.9577045
Round6545-----squared error: 3.9131 parameter: [18.398 4 -0.16280689]	0.67630425 -1.9577061
Round6546-----squared error: 3.9131 parameter: [18.398 4 -0.16280662]	0.67630248 -1.9577077
Round6547-----squared error: 3.9131 parameter: [18.398 4 -0.16280635]	0.67630071 -1.9577093
Round6548-----squared error: 3.9131 parameter: [18.398 5 -0.16280608]	0.67629894 -1.9577109
Round6549-----squared error: 3.9131 parameter: [18.398 5 -0.16280581]	0.67629717 -1.9577125
Round6550-----squared error: 3.9131 parameter: [18.398 4 -0.16280554]	0.6762954 -1.9577141
Round6551-----squared error: 3.9131 parameter: [18.398 4 -0.16280527]	0.67629364 -1.9577157
Round6552-----squared error: 3.9131 parameter: [18.398 4 -0.162805]	0.67629188 -1.9577173
Round6553-----squared error: 3.9131 parameter: [18.398 3 -0.16280473]	0.67629012 -1.9577189
Round6554-----squared error: 3.9131 parameter: [18.398 2 -0.16280446]	0.67628836 -1.9577205
Round6555-----squared error: 3.9131 parameter: [18.398 1 -0.1628042]	0.6762866 -1.9577221
Round6556-----squared error: 3.9131 parameter: [18.398 -0.16280393]	0.67628485 -1.9577237
Round6557-----squared error: 3.9131 parameter: [18.398 9 -0.16280366]	0.6762831 -1.9577252
Round6558-----squared error: 3.9131 parameter: [18.398 7 -0.16280339]	0.67628134 -1.9577268
Round6559-----squared error: 3.9131 parameter: [18.398 6 -0.16280313]	0.67627959 -1.9577284
Round6560-----squared error: 3.9131 parameter: [18.398 4 -0.16280286]	0.67627784 -1.9577300

Round6561-----squared error: 3.9131 parameter: [18.398 2 -0.16280259]	0.6762761 -1.9577316
Round6562-----squared error: 3.9131 parameter: [18.398 -0.16280233]	0.67627435 -1.9577332
Round6563-----squared error: 3.9131 parameter: [18.398 8 -0.16280206]	0.67627261 -1.9577347
Round6564-----squared error: 3.9131 parameter: [18.398 6 -0.16280179]	0.67627087 -1.9577363
Round6565-----squared error: 3.9131 parameter: [18.398 3 -0.16280153]	0.67626913 -1.9577379
Round6566-----squared error: 3.9131 parameter: [18.398 1 -0.16280126]	0.67626739 -1.9577395
Round6567-----squared error: 3.9131 parameter: [18.398 8 -0.162801]	0.67626565 -1.9577410
Round6568-----squared error: 3.9131 parameter: [18.398 5 -0.16280073]	0.67626392 -1.9577426
Round6569-----squared error: 3.9131 parameter: [18.398 2 -0.16280047]	0.67626218 -1.9577442
Round6570-----squared error: 3.9131 parameter: [18.398 9 -0.1628002]	0.67626045 -1.9577457
Round6571-----squared error: 3.9131 parameter: [18.398 5 -0.16279994]	0.67625872 -1.9577473
Round6572-----squared error: 3.9131 parameter: [18.398 2 -0.16279967]	0.67625699 -1.9577489
Round6573-----squared error: 3.9131 parameter: [18.398 8 -0.16279941]	0.67625527 -1.9577504
Round6574-----squared error: 3.9131 parameter: [18.398 4 -0.16279915]	0.67625354 -1.9577520
Round6575-----squared error: 3.9131 parameter: [18.398 -0.16279888]	0.67625182 -1.9577536
Round6576-----squared error: 3.9131 parameter: [18.398 6 -0.16279862]	0.6762501 -1.9577551
Round6577-----squared error: 3.9131 parameter: [18.398 2 -0.16279836]	0.67624838 -1.9577567
Round6578-----squared error: 3.9131 parameter: [18.398 7 -0.1627981]	0.67624666 -1.9577582
Round6579-----squared error: 3.9131 parameter: [18.398 3 -0.16279783]	0.67624494 -1.9577598
Round6580-----squared error: 3.9131 parameter: [18.398 8 -0.16279757]	0.67624323 -1.9577613
Round6581-----squared error: 3.9131 parameter: [18.398 3 -0.16279731]	0.67624151 -1.9577629
Round6582-----squared error: 3.9131 parameter: [18.398 8 -0.16279705]	0.6762398 -1.9577644
Round6583-----squared error: 3.9131 parameter: [18.398 3 -0.16279679]	0.67623809 -1.9577660
Round6584-----squared error: 3.9131 parameter: [18.398 8 -0.16279653]	0.67623638 -1.9577675
Round6585-----squared error: 3.9131 parameter: [18.398 2 -0.16279626]	0.67623468 -1.9577691
Round6586-----squared error: 3.9131 parameter: [18.398 6 -0.162796]	0.67623297 -1.9577706
Round6587-----squared error: 3.9131 parameter: [18.398 1 -0.16279574]	0.67623127 -1.9577722
Round6588-----squared error: 3.9131 parameter: [18.398 5 -0.16279548]	0.67622957 -1.9577737
Round6589-----squared error: 3.9131 parameter: [18.398 9 -0.16279522]	0.67622787 -1.9577752
Round6590-----squared error: 3.9131 parameter: [18.398 2 -0.16279497]	0.67622617 -1.9577768
Round6591-----squared error: 3.9131 parameter: [18.398 6 -0.16279471]	0.67622447 -1.9577783
Round6592-----squared error: 3.9131 parameter: [18.398 -0.16279445]	0.67622278 -1.9577799

Round6593-----squared error: 3.9131 parameter: [18.398 3 -0.16279419]	0.67622108 -1.9577814
Round6594-----squared error: 3.9131 parameter: [18.398 6 -0.16279393]	0.67621939 -1.9577829
Round6595-----squared error: 3.9131 parameter: [18.398 9 -0.16279367]	0.6762177 -1.9577844
Round6596-----squared error: 3.9131 parameter: [18.398 2 -0.16279341]	0.67621601 -1.9577860
Round6597-----squared error: 3.9131 parameter: [18.398 5 -0.16279316]	0.67621432 -1.9577875
Round6598-----squared error: 3.9131 parameter: [18.398 7 -0.1627929]	0.67621264 -1.9577890
Round6599-----squared error: 3.9131 parameter: [18.398 -0.16279264]	0.67621095 -1.9577906
Round6600-----squared error: 3.9131 parameter: [18.398 2 -0.16279238]	0.67620927 -1.9577921
Round6601-----squared error: 3.9131 parameter: [18.398 4 -0.16279213]	0.67620759 -1.9577936
Round6602-----squared error: 3.9131 parameter: [18.398 6 -0.16279187]	0.67620591 -1.9577951
Round6603-----squared error: 3.9131 parameter: [18.398 8 -0.16279161]	0.67620423 -1.9577966
Round6604-----squared error: 3.9131 parameter: [18.398 -0.16279136]	0.67620256 -1.9577982
Round6605-----squared error: 3.9131 parameter: [18.398 1 -0.1627911]	0.67620088 -1.9577997
Round6606-----squared error: 3.9131 parameter: [18.398 3 -0.16279085]	0.67619921 -1.9578012
Round6607-----squared error: 3.9131 parameter: [18.398 4 -0.16279059]	0.67619754 -1.9578027
Round6608-----squared error: 3.9131 parameter: [18.398 5 -0.16279034]	0.67619587 -1.9578042
Round6609-----squared error: 3.9131 parameter: [18.398 6 -0.16279008]	0.6761942 -1.9578057
Round6610-----squared error: 3.9131 parameter: [18.398 7 -0.16278983]	0.67619254 -1.9578072
Round6611-----squared error: 3.9131 parameter: [18.398 8 -0.16278957]	0.67619087 -1.9578087
Round6612-----squared error: 3.9131 parameter: [18.398 8 -0.16278932]	0.67618921 -1.9578102
Round6613-----squared error: 3.9131 parameter: [18.398 9 -0.16278907]	0.67618755 -1.9578117
Round6614-----squared error: 3.9131 parameter: [18.398 9 -0.16278881]	0.67618589 -1.9578132
Round6615-----squared error: 3.9131 parameter: [18.398 9 -0.16278856]	0.67618423 -1.9578147
Round6616-----squared error: 3.9131 parameter: [18.398 9 -0.16278831]	0.67618257 -1.9578162
Round6617-----squared error: 3.9131 parameter: [18.398 9 -0.16278805]	0.67618092 -1.9578177
Round6618-----squared error: 3.9131 parameter: [18.398 9 -0.1627878]	0.67617927 -1.9578192
Round6619-----squared error: 3.9131 parameter: [18.398 8 -0.16278755]	0.67617761 -1.9578207
Round6620-----squared error: 3.9131 parameter: [18.398 8 -0.1627873]	0.67617596 -1.9578222
Round6621-----squared error: 3.9131 parameter: [18.398 7 -0.16278704]	0.67617432 -1.9578237
Round6622-----squared error: 3.9131 parameter: [18.398 6 -0.16278679]	0.67617267 -1.9578252
Round6623-----squared error: 3.9131 parameter: [18.398 5 -0.16278654]	0.67617102 -1.9578267
Round6624-----squared error: 3.9131 parameter: [18.398 4 -0.16278629]	0.67616938 -1.9578282

Round6625-----squared error: 3.9131 parameter: [18.398 2 -0.16278604]	0.67616774 -1.9578297
Round6626-----squared error: 3.9131 parameter: [18.398 1 -0.16278579]	0.6761661 -1.9578312
Round6627-----squared error: 3.9131 parameter: [18.398 9 -0.16278554]	0.67616446 -1.9578326
Round6628-----squared error: 3.9131 parameter: [18.398 8 -0.16278529]	0.67616282 -1.9578341
Round6629-----squared error: 3.9131 parameter: [18.398 6 -0.16278504]	0.67616118 -1.9578356
Round6630-----squared error: 3.9131 parameter: [18.398 4 -0.16278479]	0.67615955 -1.9578371
Round6631-----squared error: 3.9131 parameter: [18.398 1 -0.16278454]	0.67615792 -1.9578386
Round6632-----squared error: 3.9131 parameter: [18.398 9 -0.16278429]	0.67615629 -1.9578400
Round6633-----squared error: 3.9131 parameter: [18.398 7 -0.16278404]	0.67615466 -1.9578415
Round6634-----squared error: 3.9131 parameter: [18.398 4 -0.16278379]	0.67615303 -1.9578430
Round6635-----squared error: 3.9131 parameter: [18.398 1 -0.16278354]	0.6761514 -1.9578445
Round6636-----squared error: 3.9131 parameter: [18.398 8 -0.1627833]	0.67614978 -1.9578459
Round6637-----squared error: 3.9131 parameter: [18.398 5 -0.16278305]	0.67614815 -1.9578474
Round6638-----squared error: 3.9131 parameter: [18.398 2 -0.1627828]	0.67614653 -1.9578489
Round6639-----squared error: 3.9131 parameter: [18.398 9 -0.16278255]	0.67614491 -1.9578503
Round6640-----squared error: 3.9131 parameter: [18.398 5 -0.16278231]	0.67614329 -1.9578518
Round6641-----squared error: 3.9131 parameter: [18.398 2 -0.16278206]	0.67614167 -1.9578533
Round6642-----squared error: 3.9131 parameter: [18.398 8 -0.16278181]	0.67614006 -1.9578547
Round6643-----squared error: 3.9131 parameter: [18.398 4 -0.16278157]	0.67613845 -1.9578562
Round6644-----squared error: 3.9131 parameter: [18.398 -0.16278132]	0.67613683 -1.9578577
Round6645-----squared error: 3.9131 parameter: [18.398 6 -0.16278107]	0.67613522 -1.9578591
Round6646-----squared error: 3.9131 parameter: [18.398 2 -0.16278083]	0.67613361 -1.9578606
Round6647-----squared error: 3.9131 parameter: [18.398 7 -0.16278058]	0.676132 -1.9578620
Round6648-----squared error: 3.9131 parameter: [18.398 3 -0.16278034]	0.6761304 -1.9578635
Round6649-----squared error: 3.9131 parameter: [18.398 8 -0.16278009]	0.67612879 -1.9578649
Round6650-----squared error: 3.9131 parameter: [18.398 3 -0.16277985]	0.67612719 -1.9578664
Round6651-----squared error: 3.9131 parameter: [18.398 8 -0.1627796]	0.67612559 -1.9578678
Round6652-----squared error: 3.9131 parameter: [18.398 3 -0.16277936]	0.67612399 -1.9578693
Round6653-----squared error: 3.9131 parameter: [18.398 8 -0.16277911]	0.67612239 -1.9578707
Round6654-----squared error: 3.9131 parameter: [18.398 2 -0.16277887]	0.67612079 -1.9578722
Round6655-----squared error: 3.9131 parameter: [18.398 7 -0.16277863]	0.6761192 -1.9578736
Round6656-----squared error: 3.9131 parameter: [18.398 1 -0.16277838]	0.6761176 -1.9578751

Round6657-----squared error: 3.9131 parameter: [18.398 5 -0.16277814]	0.67611601 -1.9578765
Round6658-----squared error: 3.9131 parameter: [18.398 9 -0.1627779]	0.67611442 -1.9578779
Round6659-----squared error: 3.9131 parameter: [18.398 3 -0.16277765]	0.67611283 -1.9578794
Round6660-----squared error: 3.9131 parameter: [18.398 7 -0.16277741]	0.67611124 -1.9578808
Round6661-----squared error: 3.9131 parameter: [18.398 -0.16277717]	0.67610966 -1.9578823
Round6662-----squared error: 3.9131 parameter: [18.398 4 -0.16277693]	0.67610807 -1.9578837
Round6663-----squared error: 3.9131 parameter: [18.398 7 -0.16277668]	0.67610649 -1.9578851
Round6664-----squared error: 3.9131 parameter: [18.398 -0.16277644]	0.67610491 -1.9578866
Round6665-----squared error: 3.9131 parameter: [18.398 3 -0.1627762]	0.67610333 -1.9578880
Round6666-----squared error: 3.9131 parameter: [18.398 6 -0.16277596]	0.67610175 -1.9578894
Round6667-----squared error: 3.9131 parameter: [18.398 9 -0.16277572]	0.67610017 -1.9578908
Round6668-----squared error: 3.9131 parameter: [18.398 2 -0.16277548]	0.6760986 -1.9578923
Round6669-----squared error: 3.9131 parameter: [18.398 4 -0.16277524]	0.67609702 -1.9578937
Round6670-----squared error: 3.9131 parameter: [18.398 7 -0.162775]	0.67609545 -1.9578951
Round6671-----squared error: 3.9131 parameter: [18.398 9 -0.16277476]	0.67609388 -1.9578965
Round6672-----squared error: 3.9131 parameter: [18.398 1 -0.16277452]	0.67609231 -1.9578980
Round6673-----squared error: 3.9131 parameter: [18.398 3 -0.16277428]	0.67609074 -1.9578994
Round6674-----squared error: 3.9131 parameter: [18.398 5 -0.16277404]	0.67608917 -1.9579008
Round6675-----squared error: 3.9131 parameter: [18.398 6 -0.1627738]	0.67608761 -1.9579022
Round6676-----squared error: 3.9131 parameter: [18.398 8 -0.16277356]	0.67608604 -1.9579036
Round6677-----squared error: 3.9131 parameter: [18.398 9 -0.16277332]	0.67608448 -1.9579050
Round6678-----squared error: 3.9131 parameter: [18.398 1 -0.16277308]	0.67608292 -1.9579065
Round6679-----squared error: 3.9131 parameter: [18.398 2 -0.16277285]	0.67608136 -1.9579079
Round6680-----squared error: 3.9131 parameter: [18.398 3 -0.16277261]	0.67607981 -1.9579093
Round6681-----squared error: 3.9131 parameter: [18.398 4 -0.16277237]	0.67607825 -1.9579107
Round6682-----squared error: 3.9131 parameter: [18.398 4 -0.16277213]	0.6760767 -1.9579121
Round6683-----squared error: 3.9131 parameter: [18.398 5 -0.1627719]	0.67607514 -1.9579135
Round6684-----squared error: 3.9131 parameter: [18.398 6 -0.16277166]	0.67607359 -1.9579149
Round6685-----squared error: 3.9131 parameter: [18.398 6 -0.16277142]	0.67607204 -1.9579163
Round6686-----squared error: 3.9131 parameter: [18.398 6 -0.16277119]	0.67607049 -1.9579177
Round6687-----squared error: 3.9131 parameter: [18.398 6 -0.16277095]	0.67606895 -1.9579191
Round6688-----squared error: 3.9131 parameter: [18.398 6 -0.16277071]	0.6760674 -1.9579205

Round6689-----squared error: 3.9131 parameter: [18.398 6 -0.16277048]	0.67606586 -1.9579219
Round6690-----squared error: 3.9131 parameter: [18.398 5 -0.16277024]	0.67606431 -1.9579233
Round6691-----squared error: 3.9131 parameter: [18.398 5 -0.16277001]	0.67606277 -1.9579247
Round6692-----squared error: 3.9131 parameter: [18.398 4 -0.16276977]	0.67606123 -1.9579261
Round6693-----squared error: 3.9131 parameter: [18.398 4 -0.16276954]	0.67605969 -1.9579275
Round6694-----squared error: 3.9131 parameter: [18.398 3 -0.1627693]	0.67605816 -1.9579289
Round6695-----squared error: 3.9131 parameter: [18.398 2 -0.16276907]	0.67605662 -1.9579303
Round6696-----squared error: 3.9131 parameter: [18.398 1 -0.16276883]	0.67605509 -1.9579317
Round6697-----squared error: 3.9131 parameter: [18.398 9 -0.1627686]	0.67605356 -1.9579330
Round6698-----squared error: 3.9131 parameter: [18.398 8 -0.16276837]	0.67605203 -1.9579344
Round6699-----squared error: 3.9131 parameter: [18.398 6 -0.16276813]	0.6760505 -1.9579358
Round6700-----squared error: 3.9131 parameter: [18.398 5 -0.1627679]	0.67604897 -1.9579372
Round6701-----squared error: 3.9131 parameter: [18.398 3 -0.16276767]	0.67604744 -1.9579386
Round6702-----squared error: 3.9131 parameter: [18.398 1 -0.16276743]	0.67604592 -1.9579400
Round6703-----squared error: 3.9131 parameter: [18.398 9 -0.1627672]	0.67604439 -1.9579413
Round6704-----squared error: 3.9131 parameter: [18.398 7 -0.16276697]	0.67604287 -1.9579427
Round6705-----squared error: 3.9131 parameter: [18.398 4 -0.16276674]	0.67604135 -1.9579441
Round6706-----squared error: 3.9131 parameter: [18.398 2 -0.1627665]	0.67603983 -1.9579455
Round6707-----squared error: 3.9131 parameter: [18.398 9 -0.16276627]	0.67603832 -1.9579468
Round6708-----squared error: 3.9131 parameter: [18.398 6 -0.16276604]	0.6760368 -1.9579482
Round6709-----squared error: 3.9131 parameter: [18.398 3 -0.16276581]	0.67603528 -1.9579496
Round6710-----squared error: 3.9131 parameter: [18.398 -0.16276558]	0.67603377 -1.957951
Round6711-----squared error: 3.9131 parameter: [18.398 7 -0.16276535]	0.67603226 -1.9579523
Round6712-----squared error: 3.9131 parameter: [18.398 4 -0.16276512]	0.67603075 -1.9579537
Round6713-----squared error: 3.9131 parameter: [18.398 1 -0.16276489]	0.67602924 -1.9579551
Round6714-----squared error: 3.9131 parameter: [18.398 7 -0.16276465]	0.67602773 -1.9579564
Round6715-----squared error: 3.9131 parameter: [18.398 3 -0.16276442]	0.67602623 -1.9579578
Round6716-----squared error: 3.9131 parameter: [18.398 -0.1627642]	0.67602472 -1.9579592
Round6717-----squared error: 3.9131 parameter: [18.398 6 -0.16276397]	0.67602322 -1.9579605
Round6718-----squared error: 3.9131 parameter: [18.398 2 -0.16276374]	0.67602172 -1.9579619
Round6719-----squared error: 3.9131 parameter: [18.398 7 -0.16276351]	0.67602022 -1.9579632
Round6720-----squared error: 3.9131 parameter: [18.398 3 -0.16276328]	0.67601872 -1.9579646

Round6721-----squared error: 3.9131 parameter: [18.398 9 -0.16276305]	0.67601722 -1.9579659
Round6722-----squared error: 3.9131 parameter: [18.398 4 -0.16276282]	0.67601573 -1.9579673
Round6723-----squared error: 3.9131 parameter: [18.398 9 -0.16276259]	0.67601423 -1.9579686
Round6724-----squared error: 3.9131 parameter: [18.398 4 -0.16276236]	0.67601274 -1.9579700
Round6725-----squared error: 3.9131 parameter: [18.398 9 -0.16276214]	0.67601125 -1.9579713
Round6726-----squared error: 3.9131 parameter: [18.398 4 -0.16276191]	0.67600976 -1.9579727
Round6727-----squared error: 3.9131 parameter: [18.398 9 -0.16276168]	0.67600827 -1.9579740
Round6728-----squared error: 3.9131 parameter: [18.398 4 -0.16276145]	0.67600678 -1.9579754
Round6729-----squared error: 3.9131 parameter: [18.398 8 -0.16276123]	0.6760053 -1.9579767
Round6730-----squared error: 3.9131 parameter: [18.398 3 -0.162761]	0.67600381 -1.9579781
Round6731-----squared error: 3.9131 parameter: [18.398 7 -0.16276077]	0.67600233 -1.9579794
Round6732-----squared error: 3.9131 parameter: [18.398 1 -0.16276055]	0.67600085 -1.9579808
Round6733-----squared error: 3.9131 parameter: [18.398 5 -0.16276032]	0.67599937 -1.9579821
Round6734-----squared error: 3.9131 parameter: [18.398 9 -0.1627601]	0.67599789 -1.9579834
Round6735-----squared error: 3.9131 parameter: [18.398 3 -0.16275987]	0.67599641 -1.9579848
Round6736-----squared error: 3.9131 parameter: [18.398 6 -0.16275965]	0.67599494 -1.9579861
Round6737-----squared error: 3.9131 parameter: [18.398 -0.16275942]	0.67599346 -1.9579875
Round6738-----squared error: 3.9131 parameter: [18.398 3 -0.1627592]	0.67599199 -1.9579888
Round6739-----squared error: 3.9131 parameter: [18.398 6 -0.16275897]	0.67599052 -1.9579901
Round6740-----squared error: 3.9131 parameter: [18.398 9 -0.16275875]	0.67598905 -1.9579914
Round6741-----squared error: 3.9131 parameter: [18.398 2 -0.16275852]	0.67598758 -1.9579928
Round6742-----squared error: 3.9131 parameter: [18.398 5 -0.1627583]	0.67598611 -1.9579941
Round6743-----squared error: 3.9131 parameter: [18.398 8 -0.16275807]	0.67598465 -1.9579954
Round6744-----squared error: 3.9131 parameter: [18.398 -0.16275785]	0.67598318 -1.9579968
Round6745-----squared error: 3.9131 parameter: [18.398 3 -0.16275763]	0.67598172 -1.9579981
Round6746-----squared error: 3.9131 parameter: [18.398 5 -0.1627574]	0.67598026 -1.9579994
Round6747-----squared error: 3.9131 parameter: [18.398 7 -0.16275718]	0.6759788 -1.9580007
Round6748-----squared error: 3.9131 parameter: [18.398 9 -0.16275696]	0.67597734 -1.9580020
Round6749-----squared error: 3.9131 parameter: [18.398 1 -0.16275673]	0.67597588 -1.9580034
Round6750-----squared error: 3.9131 parameter: [18.398 3 -0.16275651]	0.67597443 -1.9580047
Round6751-----squared error: 3.9131 parameter: [18.398 5 -0.16275629]	0.67597297 -1.9580060
Round6752-----squared error: 3.9131 parameter: [18.398 6 -0.16275607]	0.67597152 -1.9580073

Round6753-----squared error: 3.9131 parameter: [18.398 8 -0.16275585]	0.67597007 -1.9580086
Round6754-----squared error: 3.9131 parameter: [18.398 9 -0.16275562]	0.67596862 -1.9580099
Round6755-----squared error: 3.9131 parameter: [18.398 -0.1627554]	0.67596717 -1.9580113
Round6756-----squared error: 3.9131 parameter: [18.398 1 -0.16275518]	0.67596572 -1.9580126
Round6757-----squared error: 3.9131 parameter: [18.398 2 -0.16275496]	0.67596427 -1.9580139
Round6758-----squared error: 3.9131 parameter: [18.398 3 -0.16275474]	0.67596283 -1.9580152
Round6759-----squared error: 3.9131 parameter: [18.398 4 -0.16275452]	0.67596139 -1.9580165
Round6760-----squared error: 3.9131 parameter: [18.398 4 -0.1627543]	0.67595994 -1.9580178
Round6761-----squared error: 3.9131 parameter: [18.398 5 -0.16275408]	0.6759585 -1.9580191
Round6762-----squared error: 3.9131 parameter: [18.398 5 -0.16275386]	0.67595706 -1.9580204
Round6763-----squared error: 3.9131 parameter: [18.398 5 -0.16275364]	0.67595563 -1.9580217
Round6764-----squared error: 3.9131 parameter: [18.398 5 -0.16275342]	0.67595419 -1.9580230
Round6765-----squared error: 3.9131 parameter: [18.398 5 -0.1627532]	0.67595275 -1.9580243
Round6766-----squared error: 3.9131 parameter: [18.398 5 -0.16275298]	0.67595132 -1.9580256
Round6767-----squared error: 3.9131 parameter: [18.398 4 -0.16275276]	0.67594989 -1.9580269
Round6768-----squared error: 3.9131 parameter: [18.398 4 -0.16275255]	0.67594846 -1.9580282
Round6769-----squared error: 3.9131 parameter: [18.398 3 -0.16275233]	0.67594703 -1.9580295
Round6770-----squared error: 3.9131 parameter: [18.398 3 -0.16275211]	0.6759456 -1.9580308
Round6771-----squared error: 3.9131 parameter: [18.398 2 -0.16275189]	0.67594417 -1.9580321
Round6772-----squared error: 3.9131 parameter: [18.398 1 -0.16275167]	0.67594275 -1.9580334
Round6773-----squared error: 3.9131 parameter: [18.398 -0.16275146]	0.67594132 -1.9580347
Round6774-----squared error: 3.9131 parameter: [18.398 9 -0.16275124]	0.6759399 -1.9580359
Round6775-----squared error: 3.9131 parameter: [18.398 7 -0.16275102]	0.67593848 -1.9580372
Round6776-----squared error: 3.9131 parameter: [18.398 6 -0.1627508]	0.67593706 -1.9580385
Round6777-----squared error: 3.9131 parameter: [18.398 4 -0.16275059]	0.67593564 -1.9580398
Round6778-----squared error: 3.9131 parameter: [18.398 3 -0.16275037]	0.67593422 -1.9580411
Round6779-----squared error: 3.9131 parameter: [18.398 1 -0.16275016]	0.67593281 -1.9580424
Round6780-----squared error: 3.9131 parameter: [18.398 9 -0.16274994]	0.67593139 -1.9580436
Round6781-----squared error: 3.9131 parameter: [18.398 7 -0.16274972]	0.67592998 -1.9580449
Round6782-----squared error: 3.9131 parameter: [18.398 5 -0.16274951]	0.67592857 -1.9580462
Round6783-----squared error: 3.9131 parameter: [18.398 2 -0.16274929]	0.67592716 -1.9580475
Round6784-----squared error: 3.9131 parameter: [18.398 -0.16274908]	0.67592575 -1.9580488

Round6785-----squared error: 3.9131 parameter: [18.398 7 -0.16274886]	0.67592434 -1.9580500
Round6786-----squared error: 3.9131 parameter: [18.398 5 -0.16274865]	0.67592294 -1.9580513
Round6787-----squared error: 3.9131 parameter: [18.398 2 -0.16274843]	0.67592153 -1.9580526
Round6788-----squared error: 3.9131 parameter: [18.398 9 -0.16274822]	0.67592013 -1.9580538
Round6789-----squared error: 3.9131 parameter: [18.398 6 -0.162748]	0.67591872 -1.9580551
Round6790-----squared error: 3.9131 parameter: [18.398 3 -0.16274779]	0.67591732 -1.9580564
Round6791-----squared error: 3.9131 parameter: [18.398 9 -0.16274758]	0.67591592 -1.9580576
Round6792-----squared error: 3.9131 parameter: [18.398 6 -0.16274736]	0.67591453 -1.9580589
Round6793-----squared error: 3.9131 parameter: [18.398 2 -0.16274715]	0.67591313 -1.9580602
Round6794-----squared error: 3.9131 parameter: [18.398 9 -0.16274694]	0.67591173 -1.9580614
Round6795-----squared error: 3.9131 parameter: [18.398 5 -0.16274672]	0.67591034 -1.9580627
Round6796-----squared error: 3.9131 parameter: [18.398 1 -0.16274651]	0.67590895 -1.9580640
Round6797-----squared error: 3.9131 parameter: [18.398 7 -0.1627463]	0.67590756 -1.9580652
Round6798-----squared error: 3.9131 parameter: [18.398 3 -0.16274609]	0.67590616 -1.9580665
Round6799-----squared error: 3.9131 parameter: [18.398 9 -0.16274587]	0.67590478 -1.9580677
Round6800-----squared error: 3.9131 parameter: [18.398 4 -0.16274566]	0.67590339 -1.9580690
Round6801-----squared error: 3.9131 parameter: [18.398 -0.16274545]	0.675902 -1.9580703
Round6802-----squared error: 3.9131 parameter: [18.398 5 -0.16274524]	0.67590062 -1.9580715
Round6803-----squared error: 3.9131 parameter: [18.398 -0.16274503]	0.67589923 -1.9580728
Round6804-----squared error: 3.9131 parameter: [18.398 5 -0.16274482]	0.67589785 -1.9580740
Round6805-----squared error: 3.9131 parameter: [18.398 -0.1627446]	0.67589647 -1.9580753
Round6806-----squared error: 3.9131 parameter: [18.398 5 -0.16274439]	0.67589509 -1.9580765
Round6807-----squared error: 3.9131 parameter: [18.398 -0.16274418]	0.67589371 -1.9580778
Round6808-----squared error: 3.9131 parameter: [18.398 5 -0.16274397]	0.67589234 -1.9580790
Round6809-----squared error: 3.9131 parameter: [18.398 9 -0.16274376]	0.67589096 -1.9580802
Round6810-----squared error: 3.9131 parameter: [18.398 4 -0.16274355]	0.67588959 -1.9580815
Round6811-----squared error: 3.9131 parameter: [18.398 8 -0.16274334]	0.67588821 -1.9580827
Round6812-----squared error: 3.9131 parameter: [18.398 2 -0.16274313]	0.67588684 -1.9580840
Round6813-----squared error: 3.9131 parameter: [18.398 6 -0.16274292]	0.67588547 -1.9580852
Round6814-----squared error: 3.9131 parameter: [18.398 -0.16274272]	0.6758841 -1.9580865
Round6815-----squared error: 3.9131 parameter: [18.398 4 -0.16274251]	0.67588274 -1.9580877
Round6816-----squared error: 3.9131 parameter: [18.398 8 -0.1627423]	0.67588137 -1.9580889

Round6817-----squared error: 3.9131 parameter: [18.398 1 -0.16274209]	0.67588001 -1.9580902
Round6818-----squared error: 3.9131 parameter: [18.398 5 -0.16274188]	0.67587864 -1.9580914
Round6819-----squared error: 3.9131 parameter: [18.398 8 -0.16274167]	0.67587728 -1.9580926
Round6820-----squared error: 3.9131 parameter: [18.398 1 -0.16274147]	0.67587592 -1.9580939
Round6821-----squared error: 3.9131 parameter: [18.398 4 -0.16274126]	0.67587456 -1.9580951
Round6822-----squared error: 3.9131 parameter: [18.398 7 -0.16274105]	0.6758732 -1.9580963
Round6823-----squared error: 3.9131 parameter: [18.398 -0.16274084]	0.67587184 -1.9580976
Round6824-----squared error: 3.9131 parameter: [18.398 3 -0.16274064]	0.67587049 -1.9580988
Round6825-----squared error: 3.9131 parameter: [18.398 5 -0.16274043]	0.67586913 -1.9581000
Round6826-----squared error: 3.9131 parameter: [18.398 8 -0.16274022]	0.67586778 -1.9581012
Round6827-----squared error: 3.9131 parameter: [18.398 -0.16274002]	0.67586643 -1.9581025
Round6828-----squared error: 3.9131 parameter: [18.398 3 -0.16273981]	0.67586508 -1.9581037
Round6829-----squared error: 3.9131 parameter: [18.398 5 -0.1627396]	0.67586373 -1.9581049
Round6830-----squared error: 3.9131 parameter: [18.398 7 -0.1627394]	0.67586238 -1.9581061
Round6831-----squared error: 3.9131 parameter: [18.398 9 -0.16273919]	0.67586103 -1.9581073
Round6832-----squared error: 3.9131 parameter: [18.398 -0.16273899]	0.67585969 -1.9581086
Round6833-----squared error: 3.9131 parameter: [18.398 2 -0.16273878]	0.67585834 -1.9581098
Round6834-----squared error: 3.9131 parameter: [18.398 4 -0.16273858]	0.675857 -1.9581110
Round6835-----squared error: 3.9131 parameter: [18.398 5 -0.16273837]	0.67585566 -1.9581122
Round6836-----squared error: 3.9131 parameter: [18.398 6 -0.16273817]	0.67585432 -1.9581134
Round6837-----squared error: 3.9131 parameter: [18.398 8 -0.16273796]	0.67585298 -1.9581146
Round6838-----squared error: 3.9131 parameter: [18.398 9 -0.16273776]	0.67585164 -1.9581158
Round6839-----squared error: 3.9131 parameter: [18.398 -0.16273755]	0.67585031 -1.9581171
Round6840-----squared error: 3.9131 parameter: [18.398 1 -0.16273735]	0.67584897 -1.9581183
Round6841-----squared error: 3.9131 parameter: [18.398 1 -0.16273715]	0.67584764 -1.9581195
Round6842-----squared error: 3.9131 parameter: [18.398 2 -0.16273694]	0.67584631 -1.9581207
Round6843-----squared error: 3.9131 parameter: [18.398 2 -0.16273674]	0.67584497 -1.9581219
Round6844-----squared error: 3.9131 parameter: [18.398 3 -0.16273654]	0.67584364 -1.9581231
Round6845-----squared error: 3.9131 parameter: [18.398 3 -0.16273633]	0.67584232 -1.9581243
Round6846-----squared error: 3.9131 parameter: [18.398 3 -0.16273613]	0.67584099 -1.9581255
Round6847-----squared error: 3.9131 parameter: [18.398 3 -0.16273593]	0.67583966 -1.9581267
Round6848-----squared error: 3.9131 parameter: [18.398 3 -0.16273573]	0.67583834 -1.9581279

Round6849-----squared error: 3.9131 parameter: [18.398 3 -0.16273552]	0.67583701 -1.9581291
Round6850-----squared error: 3.9131 parameter: [18.398 3 -0.16273532]	0.67583569 -1.9581303
Round6851-----squared error: 3.9131 parameter: [18.398 2 -0.16273512]	0.67583437 -1.9581315
Round6852-----squared error: 3.9131 parameter: [18.398 2 -0.16273492]	0.67583305 -1.9581327
Round6853-----squared error: 3.9131 parameter: [18.398 1 -0.16273472]	0.67583173 -1.9581339
Round6854-----squared error: 3.9131 parameter: [18.398 -0.16273452]	0.67583042 -1.9581351
Round6855-----squared error: 3.9131 parameter: [18.398 -0.16273431]	0.6758291 -1.9581363
Round6856-----squared error: 3.9131 parameter: [18.398 9 -0.16273411]	0.67582779 -1.9581374
Round6857-----squared error: 3.9131 parameter: [18.398 7 -0.16273391]	0.67582647 -1.9581386
Round6858-----squared error: 3.9131 parameter: [18.398 6 -0.16273371]	0.67582516 -1.9581398
Round6859-----squared error: 3.9131 parameter: [18.398 5 -0.16273351]	0.67582385 -1.9581410
Round6860-----squared error: 3.9131 parameter: [18.398 3 -0.16273331]	0.67582254 -1.9581422
Round6861-----squared error: 3.9131 parameter: [18.398 2 -0.16273311]	0.67582123 -1.9581434
Round6862-----squared error: 3.9131 parameter: [18.398 -0.16273291]	0.67581992 -1.9581446
Round6863-----squared error: 3.9131 parameter: [18.398 8 -0.16273271]	0.67581862 -1.9581457
Round6864-----squared error: 3.9131 parameter: [18.398 7 -0.16273251]	0.67581731 -1.9581469
Round6865-----squared error: 3.9131 parameter: [18.398 5 -0.16273231]	0.67581601 -1.9581481
Round6866-----squared error: 3.9131 parameter: [18.398 2 -0.16273212]	0.67581471 -1.9581493
Round6867-----squared error: 3.9131 parameter: [18.398 -0.16273192]	0.67581341 -1.9581505
Round6868-----squared error: 3.9131 parameter: [18.398 8 -0.16273172]	0.67581211 -1.9581516
Round6869-----squared error: 3.9131 parameter: [18.398 5 -0.16273152]	0.67581081 -1.9581528
Round6870-----squared error: 3.9131 parameter: [18.398 3 -0.16273132]	0.67580951 -1.9581540
Round6871-----squared error: 3.9131 parameter: [18.398 -0.16273112]	0.67580822 -1.9581552
Round6872-----squared error: 3.9131 parameter: [18.398 7 -0.16273093]	0.67580692 -1.9581563
Round6873-----squared error: 3.9131 parameter: [18.398 4 -0.16273073]	0.67580563 -1.9581575
Round6874-----squared error: 3.9131 parameter: [18.398 1 -0.16273053]	0.67580434 -1.9581587
Round6875-----squared error: 3.9131 parameter: [18.398 8 -0.16273033]	0.67580305 -1.9581598
Round6876-----squared error: 3.9131 parameter: [18.398 5 -0.16273014]	0.67580176 -1.9581610
Round6877-----squared error: 3.9131 parameter: [18.398 2 -0.16272994]	0.67580047 -1.9581622
Round6878-----squared error: 3.9131 parameter: [18.398 8 -0.16272974]	0.67579918 -1.9581633
Round6879-----squared error: 3.9131 parameter: [18.398 4 -0.16272955]	0.6757979 -1.9581645
Round6880-----squared error: 3.9131 parameter: [18.398 1 -0.16272935]	0.67579661 -1.9581657

Round6881-----squared error: 3.9131 parameter: [18.398 7 -0.16272916]	0.67579533 -1.9581668
Round6882-----squared error: 3.9131 parameter: [18.398 3 -0.16272896]	0.67579405 -1.9581680
Round6883-----squared error: 3.9131 parameter: [18.398 9 -0.16272876]	0.67579277 -1.9581691
Round6884-----squared error: 3.9131 parameter: [18.398 5 -0.16272857]	0.67579149 -1.9581703
Round6885-----squared error: 3.9131 parameter: [18.398 1 -0.16272837]	0.67579021 -1.9581715
Round6886-----squared error: 3.9131 parameter: [18.398 6 -0.16272818]	0.67578893 -1.9581726
Round6887-----squared error: 3.9131 parameter: [18.398 2 -0.16272798]	0.67578766 -1.9581738
Round6888-----squared error: 3.9131 parameter: [18.398 7 -0.16272779]	0.67578638 -1.9581749
Round6889-----squared error: 3.9131 parameter: [18.398 2 -0.16272759]	0.67578511 -1.9581761
Round6890-----squared error: 3.9131 parameter: [18.398 8 -0.1627274]	0.67578383 -1.9581772
Round6891-----squared error: 3.9131 parameter: [18.398 3 -0.16272721]	0.67578256 -1.9581784
Round6892-----squared error: 3.9131 parameter: [18.398 8 -0.16272701]	0.67578129 -1.9581795
Round6893-----squared error: 3.9131 parameter: [18.398 2 -0.16272682]	0.67578003 -1.9581807
Round6894-----squared error: 3.9131 parameter: [18.398 7 -0.16272662]	0.67577876 -1.9581818
Round6895-----squared error: 3.9131 parameter: [18.398 2 -0.16272643]	0.67577749 -1.9581830
Round6896-----squared error: 3.9131 parameter: [18.398 6 -0.16272624]	0.67577623 -1.9581841
Round6897-----squared error: 3.9131 parameter: [18.398 1 -0.16272604]	0.67577496 -1.9581853
Round6898-----squared error: 3.9131 parameter: [18.398 5 -0.16272585]	0.6757737 -1.9581864
Round6899-----squared error: 3.9131 parameter: [18.398 9 -0.16272566]	0.67577244 -1.9581875
Round6900-----squared error: 3.9131 parameter: [18.398 3 -0.16272547]	0.67577118 -1.9581887
Round6901-----squared error: 3.9131 parameter: [18.398 7 -0.16272527]	0.67576992 -1.9581898
Round6902-----squared error: 3.9131 parameter: [18.398 1 -0.16272508]	0.67576866 -1.9581910
Round6903-----squared error: 3.9131 parameter: [18.398 5 -0.16272489]	0.67576741 -1.9581921
Round6904-----squared error: 3.9131 parameter: [18.398 8 -0.1627247]	0.67576615 -1.9581932
Round6905-----squared error: 3.9131 parameter: [18.398 2 -0.16272451]	0.6757649 -1.9581944
Round6906-----squared error: 3.9131 parameter: [18.398 5 -0.16272432]	0.67576365 -1.9581955
Round6907-----squared error: 3.9131 parameter: [18.398 9 -0.16272412]	0.67576239 -1.9581966
Round6908-----squared error: 3.9131 parameter: [18.398 2 -0.16272393]	0.67576114 -1.9581978
Round6909-----squared error: 3.9131 parameter: [18.398 5 -0.16272374]	0.67575989 -1.9581989
Round6910-----squared error: 3.9131 parameter: [18.398 8 -0.16272355]	0.67575865 -1.9582000
Round6911-----squared error: 3.9131 parameter: [18.398 1 -0.16272336]	0.6757574 -1.9582012
Round6912-----squared error: 3.9131 parameter: [18.398 4 -0.16272317]	0.67575615 -1.9582023

Round6913-----squared error: 3.9131 parameter: [18.398 6 -0.16272298]	0.67575491 -1.9582034
Round6914-----squared error: 3.9131 parameter: [18.398 9 -0.16272279]	0.67575367 -1.9582045
Round6915-----squared error: 3.9131 parameter: [18.398 1 -0.1627226]	0.67575242 -1.9582057
Round6916-----squared error: 3.9131 parameter: [18.398 3 -0.16272241]	0.67575118 -1.9582068
Round6917-----squared error: 3.9131 parameter: [18.398 6 -0.16272222]	0.67574994 -1.9582079
Round6918-----squared error: 3.9131 parameter: [18.398 8 -0.16272203]	0.67574871 -1.9582090
Round6919-----squared error: 3.9131 parameter: [18.398 -0.16272184]	0.67574747 -1.9582102
Round6920-----squared error: 3.9131 parameter: [18.398 2 -0.16272166]	0.67574623 -1.9582113
Round6921-----squared error: 3.9131 parameter: [18.398 3 -0.16272147]	0.675745 -1.9582124
Round6922-----squared error: 3.9131 parameter: [18.398 5 -0.16272128]	0.67574376 -1.9582135
Round6923-----squared error: 3.9131 parameter: [18.398 7 -0.16272109]	0.67574253 -1.9582146
Round6924-----squared error: 3.9131 parameter: [18.398 8 -0.1627209]	0.6757413 -1.9582157
Round6925-----squared error: 3.9131 parameter: [18.398 -0.16272071]	0.67574007 -1.9582169
Round6926-----squared error: 3.9131 parameter: [18.398 1 -0.16272053]	0.67573884 -1.9582180
Round6927-----squared error: 3.9131 parameter: [18.398 2 -0.16272034]	0.67573761 -1.9582191
Round6928-----squared error: 3.9131 parameter: [18.398 3 -0.16272015]	0.67573639 -1.9582202
Round6929-----squared error: 3.9131 parameter: [18.398 4 -0.16271997]	0.67573516 -1.9582213
Round6930-----squared error: 3.9131 parameter: [18.398 5 -0.16271978]	0.67573394 -1.9582224
Round6931-----squared error: 3.9131 parameter: [18.398 5 -0.16271959]	0.67573271 -1.9582235
Round6932-----squared error: 3.9131 parameter: [18.398 6 -0.1627194]	0.67573149 -1.9582246
Round6933-----squared error: 3.9131 parameter: [18.398 7 -0.16271922]	0.67573027 -1.9582257
Round6934-----squared error: 3.9131 parameter: [18.398 7 -0.16271903]	0.67572905 -1.9582268
Round6935-----squared error: 3.9131 parameter: [18.398 7 -0.16271885]	0.67572783 -1.9582279
Round6936-----squared error: 3.9131 parameter: [18.398 7 -0.16271866]	0.67572662 -1.9582290
Round6937-----squared error: 3.9131 parameter: [18.398 8 -0.16271847]	0.6757254 -1.9582301
Round6938-----squared error: 3.9131 parameter: [18.398 7 -0.16271829]	0.67572419 -1.9582312
Round6939-----squared error: 3.9131 parameter: [18.398 7 -0.1627181]	0.67572297 -1.9582323
Round6940-----squared error: 3.9131 parameter: [18.398 7 -0.16271792]	0.67572176 -1.9582334
Round6941-----squared error: 3.9131 parameter: [18.398 7 -0.16271773]	0.67572055 -1.9582345
Round6942-----squared error: 3.9131 parameter: [18.398 6 -0.16271755]	0.67571934 -1.9582356
Round6943-----squared error: 3.9131 parameter: [18.398 6 -0.16271736]	0.67571813 -1.9582367
Round6944-----squared error: 3.9131 parameter: [18.398 5 -0.16271718]	0.67571692 -1.9582378

Round6945-----squared error: 3.9131 parameter: [18.398 4 -0.16271699]	0.67571572 -1.9582389
Round6946-----squared error: 3.9131 parameter: [18.398 3 -0.16271681]	0.67571451 -1.9582400
Round6947-----squared error: 3.9131 parameter: [18.398 2 -0.16271663]	0.67571331 -1.9582411
Round6948-----squared error: 3.9131 parameter: [18.398 1 -0.16271644]	0.6757121 -1.9582422
Round6949-----squared error: 3.9131 parameter: [18.398 -0.16271626]	0.6757109 -1.9582433
Round6950-----squared error: 3.9131 parameter: [18.398 9 -0.16271608]	0.6757097 -1.9582443
Round6951-----squared error: 3.9131 parameter: [18.398 8 -0.16271589]	0.6757085 -1.9582454
Round6952-----squared error: 3.9131 parameter: [18.398 6 -0.16271571]	0.6757073 -1.9582465
Round6953-----squared error: 3.9131 parameter: [18.398 4 -0.16271553]	0.67570611 -1.9582476
Round6954-----squared error: 3.9131 parameter: [18.398 3 -0.16271534]	0.67570491 -1.9582487
Round6955-----squared error: 3.9131 parameter: [18.398 1 -0.16271516]	0.67570371 -1.9582498
Round6956-----squared error: 3.9131 parameter: [18.398 9 -0.16271498]	0.67570252 -1.9582508
Round6957-----squared error: 3.9131 parameter: [18.398 7 -0.1627148]	0.67570133 -1.9582519
Round6958-----squared error: 3.9131 parameter: [18.398 5 -0.16271461]	0.67570014 -1.9582530
Round6959-----squared error: 3.9131 parameter: [18.398 3 -0.16271443]	0.67569895 -1.9582541
Round6960-----squared error: 3.9131 parameter: [18.398 -0.16271425]	0.67569776 -1.9582552
Round6961-----squared error: 3.9131 parameter: [18.398 8 -0.16271407]	0.67569657 -1.9582562
Round6962-----squared error: 3.9131 parameter: [18.398 5 -0.16271389]	0.67569538 -1.9582573
Round6963-----squared error: 3.9131 parameter: [18.398 3 -0.16271371]	0.6756942 -1.9582584
Round6964-----squared error: 3.9131 parameter: [18.398 -0.16271353]	0.67569301 -1.9582595
Round6965-----squared error: 3.9131 parameter: [18.398 7 -0.16271335]	0.67569183 -1.9582605
Round6966-----squared error: 3.9131 parameter: [18.398 4 -0.16271317]	0.67569065 -1.9582616
Round6967-----squared error: 3.9131 parameter: [18.398 1 -0.16271298]	0.67568946 -1.9582627
Round6968-----squared error: 3.9131 parameter: [18.398 8 -0.1627128]	0.67568828 -1.9582637
Round6969-----squared error: 3.9131 parameter: [18.398 5 -0.16271262]	0.67568711 -1.9582648
Round6970-----squared error: 3.9131 parameter: [18.398 1 -0.16271244]	0.67568593 -1.9582659
Round6971-----squared error: 3.9131 parameter: [18.398 8 -0.16271226]	0.67568475 -1.9582669
Round6972-----squared error: 3.9131 parameter: [18.398 4 -0.16271209]	0.67568357 -1.9582680
Round6973-----squared error: 3.9131 parameter: [18.398 -0.16271191]	0.6756824 -1.9582691
Round6974-----squared error: 3.9131 parameter: [18.398 7 -0.16271173]	0.67568123 -1.9582701
Round6975-----squared error: 3.9131 parameter: [18.398 3 -0.16271155]	0.67568005 -1.9582712
Round6976-----squared error: 3.9131 parameter: [18.398 9 -0.16271137]	0.67567888 -1.9582722

Round6977-----squared error: 3.9131 parameter: [18.398 5 -0.16271119]	0.67567771 -1.9582733
Round6978-----squared error: 3.9131 parameter: [18.398 1 -0.16271101]	0.67567655 -1.9582744
Round6979-----squared error: 3.9131 parameter: [18.398 6 -0.16271083]	0.67567538 -1.9582754
Round6980-----squared error: 3.9131 parameter: [18.398 2 -0.16271065]	0.67567421 -1.9582765
Round6981-----squared error: 3.9131 parameter: [18.398 7 -0.16271048]	0.67567305 -1.9582775
Round6982-----squared error: 3.9131 parameter: [18.398 3 -0.1627103]	0.67567188 -1.9582786
Round6983-----squared error: 3.9131 parameter: [18.398 8 -0.16271012]	0.67567072 -1.9582796
Round6984-----squared error: 3.9131 parameter: [18.398 3 -0.16270994]	0.67566956 -1.9582807
Round6985-----squared error: 3.9131 parameter: [18.398 8 -0.16270977]	0.67566839 -1.9582817
Round6986-----squared error: 3.9131 parameter: [18.398 3 -0.16270959]	0.67566724 -1.9582828
Round6987-----squared error: 3.9131 parameter: [18.398 8 -0.16270941]	0.67566608 -1.9582838
Round6988-----squared error: 3.9131 parameter: [18.398 3 -0.16270924]	0.67566492 -1.9582849
Round6989-----squared error: 3.9131 parameter: [18.398 8 -0.16270906]	0.67566376 -1.9582859
Round6990-----squared error: 3.9131 parameter: [18.398 2 -0.16270888]	0.67566261 -1.9582870
Round6991-----squared error: 3.9131 parameter: [18.398 7 -0.16270871]	0.67566145 -1.9582880
Round6992-----squared error: 3.9131 parameter: [18.398 1 -0.16270853]	0.6756603 -1.9582891
Round6993-----squared error: 3.9131 parameter: [18.398 6 -0.16270835]	0.67565915 -1.9582901
Round6994-----squared error: 3.9131 parameter: [18.398 -0.16270818]	0.675658 -1.9582912
Round6995-----squared error: 3.9131 parameter: [18.398 4 -0.162708]	0.67565685 -1.9582922
Round6996-----squared error: 3.9131 parameter: [18.398 8 -0.16270783]	0.6756557 -1.9582932
Round6997-----squared error: 3.9131 parameter: [18.398 2 -0.16270765]	0.67565455 -1.9582943
Round6998-----squared error: 3.9131 parameter: [18.398 6 -0.16270748]	0.6756534 -1.9582953
Round6999-----squared error: 3.9131 parameter: [18.398 9 -0.1627073]	0.67565226 -1.9582963
Round7000-----squared error: 3.9131 parameter: [18.398 3 -0.16270713]	0.67565111 -1.9582974
Round7001-----squared error: 3.9131 parameter: [18.398 6 -0.16270695]	0.67564997 -1.9582984
Round7002-----squared error: 3.9131 parameter: [18.398 -0.16270678]	0.67564883 -1.9582995
Round7003-----squared error: 3.9131 parameter: [18.398 3 -0.1627066]	0.67564769 -1.9583005
Round7004-----squared error: 3.9131 parameter: [18.398 6 -0.16270643]	0.67564655 -1.9583015
Round7005-----squared error: 3.9131 parameter: [18.398 9 -0.16270626]	0.67564541 -1.9583025
Round7006-----squared error: 3.9131 parameter: [18.398 2 -0.16270608]	0.67564427 -1.9583036
Round7007-----squared error: 3.9131 parameter: [18.398 5 -0.16270591]	0.67564313 -1.9583046
Round7008-----squared error: 3.9131 parameter: [18.398 8 -0.16270573]	0.675642 -1.9583056

Round7009-----squared error: 3.9131 parameter: [18.398 1 -0.16270556]	0.67564086 -1.9583067
Round7010-----squared error: 3.9131 parameter: [18.398 3 -0.16270539]	0.67563973 -1.9583077
Round7011-----squared error: 3.9131 parameter: [18.398 6 -0.16270522]	0.6756386 -1.9583087
Round7012-----squared error: 3.9131 parameter: [18.398 8 -0.16270504]	0.67563747 -1.9583097
Round7013-----squared error: 3.9131 parameter: [18.398 1 -0.16270487]	0.67563634 -1.9583108
Round7014-----squared error: 3.9131 parameter: [18.398 3 -0.1627047]	0.67563521 -1.9583118
Round7015-----squared error: 3.9131 parameter: [18.398 5 -0.16270452]	0.67563408 -1.9583128
Round7016-----squared error: 3.9131 parameter: [18.398 7 -0.16270435]	0.67563295 -1.9583138
Round7017-----squared error: 3.9131 parameter: [18.398 9 -0.16270418]	0.67563183 -1.9583148
Round7018-----squared error: 3.9131 parameter: [18.398 1 -0.16270401]	0.6756307 -1.9583159
Round7019-----squared error: 3.9131 parameter: [18.398 2 -0.16270384]	0.67562958 -1.9583169
Round7020-----squared error: 3.9131 parameter: [18.398 4 -0.16270367]	0.67562846 -1.9583179
Round7021-----squared error: 3.9131 parameter: [18.398 5 -0.16270349]	0.67562734 -1.9583189
Round7022-----squared error: 3.9131 parameter: [18.398 7 -0.16270332]	0.67562622 -1.9583199
Round7023-----squared error: 3.9131 parameter: [18.398 8 -0.16270315]	0.6756251 -1.9583209
Round7024-----squared error: 3.9131 parameter: [18.398 9 -0.16270298]	0.67562398 -1.9583219
Round7025-----squared error: 3.9131 parameter: [18.398 1 -0.16270281]	0.67562286 -1.9583230
Round7026-----squared error: 3.9131 parameter: [18.398 2 -0.16270264]	0.67562175 -1.9583240
Round7027-----squared error: 3.9131 parameter: [18.398 3 -0.16270247]	0.67562063 -1.9583250
Round7028-----squared error: 3.9131 parameter: [18.398 3 -0.1627023]	0.67561952 -1.9583260
Round7029-----squared error: 3.9131 parameter: [18.398 4 -0.16270213]	0.6756184 -1.9583270
Round7030-----squared error: 3.9131 parameter: [18.398 5 -0.16270196]	0.67561729 -1.9583280
Round7031-----squared error: 3.9131 parameter: [18.398 5 -0.16270179]	0.67561618 -1.9583290
Round7032-----squared error: 3.9131 parameter: [18.398 6 -0.16270162]	0.67561507 -1.9583300
Round7033-----squared error: 3.9131 parameter: [18.398 6 -0.16270145]	0.67561396 -1.9583310
Round7034-----squared error: 3.9131 parameter: [18.398 6 -0.16270128]	0.67561286 -1.9583320
Round7035-----squared error: 3.9131 parameter: [18.398 7 -0.16270111]	0.67561175 -1.9583330
Round7036-----squared error: 3.9131 parameter: [18.398 7 -0.16270095]	0.67561065 -1.9583340
Round7037-----squared error: 3.9131 parameter: [18.398 7 -0.16270078]	0.67560954 -1.9583350
Round7038-----squared error: 3.9131 parameter: [18.398 6 -0.16270061]	0.67560844 -1.9583360
Round7039-----squared error: 3.9131 parameter: [18.398 6 -0.16270044]	0.67560734 -1.9583370
Round7040-----squared error: 3.9131 parameter: [18.398 6 -0.16270027]	0.67560623 -1.9583380

Round7041-----squared error: 3.9131 parameter: [18.398 5 -0.1627001]	0.67560513 -1.9583390
Round7042-----squared error: 3.9131 parameter: [18.398 5 -0.16269994]	0.67560404 -1.9583400
Round7043-----squared error: 3.9131 parameter: [18.398 4 -0.16269977]	0.67560294 -1.9583410
Round7044-----squared error: 3.9131 parameter: [18.398 4 -0.1626996]	0.67560184 -1.9583420
Round7045-----squared error: 3.9131 parameter: [18.398 3 -0.16269943]	0.67560075 -1.9583430
Round7046-----squared error: 3.9131 parameter: [18.398 2 -0.16269927]	0.67559965 -1.9583440
Round7047-----squared error: 3.9131 parameter: [18.398 1 -0.1626991]	0.67559856 -1.9583450
Round7048-----squared error: 3.9131 parameter: [18.398 -0.16269893]	0.67559746 -1.958346
Round7049-----squared error: 3.9131 parameter: [18.398 9 -0.16269876]	0.67559637 -1.9583469
Round7050-----squared error: 3.9131 parameter: [18.398 7 -0.1626986]	0.67559528 -1.9583479
Round7051-----squared error: 3.9131 parameter: [18.398 6 -0.16269843]	0.67559419 -1.9583489
Round7052-----squared error: 3.9131 parameter: [18.398 5 -0.16269827]	0.6755931 -1.9583499
Round7053-----squared error: 3.9131 parameter: [18.398 3 -0.1626981]	0.67559202 -1.9583509
Round7054-----squared error: 3.9131 parameter: [18.398 1 -0.16269793]	0.67559093 -1.9583519
Round7055-----squared error: 3.9131 parameter: [18.398 -0.16269777]	0.67558985 -1.9583529
Round7056-----squared error: 3.9131 parameter: [18.398 8 -0.1626976]	0.67558876 -1.9583538
Round7057-----squared error: 3.9131 parameter: [18.398 6 -0.16269744]	0.67558768 -1.9583548
Round7058-----squared error: 3.9131 parameter: [18.398 4 -0.16269727]	0.6755866 -1.9583558
Round7059-----squared error: 3.9131 parameter: [18.398 2 -0.16269711]	0.67558551 -1.9583568
Round7060-----squared error: 3.9131 parameter: [18.398 9 -0.16269694]	0.67558443 -1.9583577
Round7061-----squared error: 3.9131 parameter: [18.398 7 -0.16269678]	0.67558336 -1.9583587
Round7062-----squared error: 3.9131 parameter: [18.398 5 -0.16269661]	0.67558228 -1.9583597
Round7063-----squared error: 3.9131 parameter: [18.398 2 -0.16269645]	0.6755812 -1.9583607
Round7064-----squared error: 3.9131 parameter: [18.398 -0.16269628]	0.67558013 -1.9583617
Round7065-----squared error: 3.9131 parameter: [18.398 7 -0.16269612]	0.67557905 -1.9583626
Round7066-----squared error: 3.9131 parameter: [18.398 4 -0.16269595]	0.67557798 -1.9583636
Round7067-----squared error: 3.9131 parameter: [18.398 1 -0.16269579]	0.6755769 -1.9583646
Round7068-----squared error: 3.9131 parameter: [18.398 8 -0.16269563]	0.67557583 -1.9583655
Round7069-----squared error: 3.9131 parameter: [18.398 5 -0.16269546]	0.67557476 -1.9583665
Round7070-----squared error: 3.9131 parameter: [18.398 2 -0.1626953]	0.67557369 -1.9583675
Round7071-----squared error: 3.9131 parameter: [18.398 9 -0.16269514]	0.67557262 -1.9583684
Round7072-----squared error: 3.9131 parameter: [18.398 5 -0.16269497]	0.67557156 -1.9583694

Round7073-----squared error: 3.9131 parameter: [18.398 2 -0.16269481]	0.67557049 -1.9583704
Round7074-----squared error: 3.9131 parameter: [18.398 8 -0.16269465]	0.67556942 -1.9583713
Round7075-----squared error: 3.9131 parameter: [18.398 5 -0.16269449]	0.67556836 -1.9583723
Round7076-----squared error: 3.9131 parameter: [18.398 1 -0.16269432]	0.6755673 -1.9583733
Round7077-----squared error: 3.9131 parameter: [18.398 7 -0.16269416]	0.67556623 -1.9583742
Round7078-----squared error: 3.9131 parameter: [18.398 3 -0.162694]	0.67556517 -1.9583752
Round7079-----squared error: 3.9131 parameter: [18.398 9 -0.16269384]	0.67556411 -1.9583761
Round7080-----squared error: 3.9131 parameter: [18.398 5 -0.16269368]	0.67556305 -1.9583771
Round7081-----squared error: 3.9131 parameter: [18.398 1 -0.16269351]	0.67556199 -1.9583781
Round7082-----squared error: 3.9131 parameter: [18.398 7 -0.16269335]	0.67556094 -1.9583790
Round7083-----squared error: 3.9131 parameter: [18.398 2 -0.16269319]	0.67555988 -1.9583800
Round7084-----squared error: 3.9131 parameter: [18.398 8 -0.16269303]	0.67555882 -1.9583809
Round7085-----squared error: 3.9131 parameter: [18.398 3 -0.16269287]	0.67555777 -1.9583819
Round7086-----squared error: 3.9131 parameter: [18.398 9 -0.16269271]	0.67555672 -1.9583828
Round7087-----squared error: 3.9131 parameter: [18.398 4 -0.16269255]	0.67555566 -1.9583838
Round7088-----squared error: 3.9131 parameter: [18.398 9 -0.16269239]	0.67555461 -1.9583847
Round7089-----squared error: 3.9131 parameter: [18.398 4 -0.16269223]	0.67555356 -1.9583857
Round7090-----squared error: 3.9131 parameter: [18.398 9 -0.16269207]	0.67555251 -1.9583866
Round7091-----squared error: 3.9131 parameter: [18.398 4 -0.16269191]	0.67555147 -1.9583876
Round7092-----squared error: 3.9131 parameter: [18.398 9 -0.16269175]	0.67555042 -1.9583885
Round7093-----squared error: 3.9131 parameter: [18.398 4 -0.16269159]	0.67554937 -1.9583895
Round7094-----squared error: 3.9131 parameter: [18.398 8 -0.16269143]	0.67554833 -1.9583904
Round7095-----squared error: 3.9131 parameter: [18.398 3 -0.16269127]	0.67554728 -1.9583914
Round7096-----squared error: 3.9131 parameter: [18.398 7 -0.16269111]	0.67554624 -1.9583923
Round7097-----squared error: 3.9131 parameter: [18.398 2 -0.16269095]	0.6755452 -1.9583933
Round7098-----squared error: 3.9131 parameter: [18.398 6 -0.16269079]	0.67554416 -1.9583942
Round7099-----squared error: 3.9131 parameter: [18.398 -0.16269063]	0.67554312 -1.9583952
Round7100-----squared error: 3.9131 parameter: [18.398 4 -0.16269047]	0.67554208 -1.9583961
Round7101-----squared error: 3.9131 parameter: [18.398 8 -0.16269031]	0.67554104 -1.9583970
Round7102-----squared error: 3.9131 parameter: [18.398 2 -0.16269015]	0.67554 -1.9583980
Round7103-----squared error: 3.9131 parameter: [18.398 6 -0.16269]	0.67553896 -1.9583989
Round7104-----squared error: 3.9131 parameter: [18.398 -0.16268984]	0.67553793 -1.9583999

Round7105-----squared error: 3.9131 parameter: [18.398 3 -0.16268968]	0.6755369 -1.9584008
Round7106-----squared error: 3.9131 parameter: [18.398 7 -0.16268952]	0.67553586 -1.9584017
Round7107-----squared error: 3.9131 parameter: [18.398 -0.16268936]	0.67553483 -1.9584027
Round7108-----squared error: 3.9131 parameter: [18.398 4 -0.16268921]	0.6755338 -1.9584036
Round7109-----squared error: 3.9131 parameter: [18.398 7 -0.16268905]	0.67553277 -1.9584045
Round7110-----squared error: 3.9131 parameter: [18.398 -0.16268889]	0.67553174 -1.9584055
Round7111-----squared error: 3.9131 parameter: [18.398 3 -0.16268874]	0.67553071 -1.9584064
Round7112-----squared error: 3.9131 parameter: [18.398 6 -0.16268858]	0.67552968 -1.9584073
Round7113-----squared error: 3.9131 parameter: [18.398 9 -0.16268842]	0.67552866 -1.9584082
Round7114-----squared error: 3.9131 parameter: [18.398 2 -0.16268826]	0.67552763 -1.9584092
Round7115-----squared error: 3.9131 parameter: [18.398 5 -0.16268811]	0.67552661 -1.9584101
Round7116-----squared error: 3.9131 parameter: [18.398 7 -0.16268795]	0.67552558 -1.9584110
Round7117-----squared error: 3.9131 parameter: [18.398 -0.1626878]	0.67552456 -1.958412
Round7118-----squared error: 3.9131 parameter: [18.398 2 -0.16268764]	0.67552354 -1.9584129
Round7119-----squared error: 3.9131 parameter: [18.398 5 -0.16268748]	0.67552252 -1.9584138
Round7120-----squared error: 3.9131 parameter: [18.398 7 -0.16268733]	0.6755215 -1.9584147
Round7121-----squared error: 3.9131 parameter: [18.398 9 -0.16268717]	0.67552048 -1.9584156
Round7122-----squared error: 3.9131 parameter: [18.398 1 -0.16268702]	0.67551947 -1.9584166
Round7123-----squared error: 3.9131 parameter: [18.398 3 -0.16268686]	0.67551845 -1.9584175
Round7124-----squared error: 3.9131 parameter: [18.398 5 -0.16268671]	0.67551743 -1.9584184
Round7125-----squared error: 3.9131 parameter: [18.398 7 -0.16268655]	0.67551642 -1.9584193
Round7126-----squared error: 3.9131 parameter: [18.398 9 -0.1626864]	0.67551541 -1.9584202
Round7127-----squared error: 3.9131 parameter: [18.398 -0.16268624]	0.67551439 -1.9584212
Round7128-----squared error: 3.9131 parameter: [18.398 2 -0.16268609]	0.67551338 -1.9584221
Round7129-----squared error: 3.9131 parameter: [18.398 3 -0.16268593]	0.67551237 -1.9584230
Round7130-----squared error: 3.9131 parameter: [18.398 5 -0.16268578]	0.67551136 -1.9584239
Round7131-----squared error: 3.9131 parameter: [18.398 6 -0.16268563]	0.67551035 -1.9584248
Round7132-----squared error: 3.9131 parameter: [18.398 7 -0.16268547]	0.67550934 -1.9584257
Round7133-----squared error: 3.9131 parameter: [18.398 9 -0.16268532]	0.67550834 -1.9584266
Round7134-----squared error: 3.9131 parameter: [18.398 -0.16268516]	0.67550733 -1.9584276
Round7135-----squared error: 3.9131 parameter: [18.398 1 -0.16268501]	0.67550633 -1.9584285
Round7136-----squared error: 3.9131 parameter: [18.398 1 -0.16268486]	0.67550532 -1.9584294

Round7137-----squared error: 3.9131 parameter: [18.398 2 -0.1626847]	0.67550432 -1.9584303
Round7138-----squared error: 3.9131 parameter: [18.398 3 -0.16268455]	0.67550332 -1.9584312
Round7139-----squared error: 3.9131 parameter: [18.398 3 -0.1626844]	0.67550232 -1.9584321
Round7140-----squared error: 3.9131 parameter: [18.398 4 -0.16268425]	0.67550132 -1.9584330
Round7141-----squared error: 3.9131 parameter: [18.398 4 -0.16268409]	0.67550032 -1.9584339
Round7142-----squared error: 3.9131 parameter: [18.398 5 -0.16268394]	0.67549932 -1.9584348
Round7143-----squared error: 3.9131 parameter: [18.398 5 -0.16268379]	0.67549832 -1.9584357
Round7144-----squared error: 3.9131 parameter: [18.398 5 -0.16268364]	0.67549733 -1.9584366
Round7145-----squared error: 3.9131 parameter: [18.398 5 -0.16268348]	0.67549633 -1.9584375
Round7146-----squared error: 3.9131 parameter: [18.398 5 -0.16268333]	0.67549534 -1.9584384
Round7147-----squared error: 3.9131 parameter: [18.398 5 -0.16268318]	0.67549435 -1.9584393
Round7148-----squared error: 3.9131 parameter: [18.398 5 -0.16268303]	0.67549335 -1.9584402
Round7149-----squared error: 3.9131 parameter: [18.398 5 -0.16268288]	0.67549236 -1.9584411
Round7150-----squared error: 3.9131 parameter: [18.398 4 -0.16268273]	0.67549137 -1.9584420
Round7151-----squared error: 3.9131 parameter: [18.398 4 -0.16268257]	0.67549038 -1.9584429
Round7152-----squared error: 3.9131 parameter: [18.398 4 -0.16268242]	0.67548939 -1.9584438
Round7153-----squared error: 3.9131 parameter: [18.398 3 -0.16268227]	0.67548841 -1.9584447
Round7154-----squared error: 3.9131 parameter: [18.398 2 -0.16268212]	0.67548742 -1.9584456
Round7155-----squared error: 3.9131 parameter: [18.398 1 -0.16268197]	0.67548643 -1.9584465
Round7156-----squared error: 3.9131 parameter: [18.398 1 -0.16268182]	0.67548545 -1.9584474
Round7157-----squared error: 3.9131 parameter: [18.398 -0.16268167]	0.67548447 -1.9584483
Round7158-----squared error: 3.9131 parameter: [18.398 9 -0.16268152]	0.67548348 -1.9584491
Round7159-----squared error: 3.9131 parameter: [18.398 7 -0.16268137]	0.6754825 -1.9584500
Round7160-----squared error: 3.9131 parameter: [18.398 6 -0.16268122]	0.67548152 -1.9584509
Round7161-----squared error: 3.9131 parameter: [18.398 5 -0.16268107]	0.67548054 -1.9584518
Round7162-----squared error: 3.9131 parameter: [18.398 4 -0.16268092]	0.67547956 -1.9584527
Round7163-----squared error: 3.9131 parameter: [18.398 2 -0.16268077]	0.67547858 -1.9584536
Round7164-----squared error: 3.9131 parameter: [18.398 1 -0.16268062]	0.67547761 -1.9584545
Round7165-----squared error: 3.9131 parameter: [18.398 9 -0.16268047]	0.67547663 -1.9584553
Round7166-----squared error: 3.9131 parameter: [18.398 7 -0.16268033]	0.67547566 -1.9584562
Round7167-----squared error: 3.9131 parameter: [18.398 5 -0.16268018]	0.67547468 -1.9584571
Round7168-----squared error: 3.9131 parameter: [18.398 4 -0.16268003]	0.67547371 -1.9584580

Round7169-----squared error: 3.9131 parameter: [18.398 2 -0.16267988]	0.67547274 -1.9584589
Round7170-----squared error: 3.9131 parameter: [18.398 -0.16267973]	0.67547176 -1.9584598
Round7171-----squared error: 3.9131 parameter: [18.398 7 -0.16267958]	0.67547079 -1.9584606
Round7172-----squared error: 3.9131 parameter: [18.398 5 -0.16267943]	0.67546982 -1.9584615
Round7173-----squared error: 3.9131 parameter: [18.398 3 -0.16267929]	0.67546886 -1.9584624
Round7174-----squared error: 3.9131 parameter: [18.398 -0.16267914]	0.67546789 -1.9584633
Round7175-----squared error: 3.9131 parameter: [18.398 8 -0.16267899]	0.67546692 -1.9584641
Round7176-----squared error: 3.9131 parameter: [18.398 5 -0.16267884]	0.67546596 -1.9584650
Round7177-----squared error: 3.9131 parameter: [18.398 3 -0.1626787]	0.67546499 -1.9584659
Round7178-----squared error: 3.9131 parameter: [18.398 -0.16267855]	0.67546403 -1.9584668
Round7179-----squared error: 3.9131 parameter: [18.398 7 -0.1626784]	0.67546306 -1.9584676
Round7180-----squared error: 3.9131 parameter: [18.398 4 -0.16267825]	0.6754621 -1.9584685
Round7181-----squared error: 3.9131 parameter: [18.398 1 -0.16267811]	0.67546114 -1.9584694
Round7182-----squared error: 3.9131 parameter: [18.398 8 -0.16267796]	0.67546018 -1.9584702
Round7183-----squared error: 3.9131 parameter: [18.398 5 -0.16267781]	0.67545922 -1.9584711
Round7184-----squared error: 3.9131 parameter: [18.398 2 -0.16267767]	0.67545826 -1.9584720
Round7185-----squared error: 3.9131 parameter: [18.398 9 -0.16267752]	0.67545731 -1.9584728
Round7186-----squared error: 3.9131 parameter: [18.398 5 -0.16267738]	0.67545635 -1.9584737
Round7187-----squared error: 3.9131 parameter: [18.398 2 -0.16267723]	0.67545539 -1.9584746
Round7188-----squared error: 3.9131 parameter: [18.398 8 -0.16267708]	0.67545444 -1.9584754
Round7189-----squared error: 3.9131 parameter: [18.398 4 -0.16267694]	0.67545348 -1.9584763
Round7190-----squared error: 3.9131 parameter: [18.398 1 -0.16267679]	0.67545253 -1.9584772
Round7191-----squared error: 3.9131 parameter: [18.398 7 -0.16267665]	0.67545158 -1.9584780
Round7192-----squared error: 3.9131 parameter: [18.398 3 -0.1626765]	0.67545063 -1.9584789
Round7193-----squared error: 3.9131 parameter: [18.398 9 -0.16267636]	0.67544968 -1.9584797
Round7194-----squared error: 3.9131 parameter: [18.398 5 -0.16267621]	0.67544873 -1.9584806
Round7195-----squared error: 3.9131 parameter: [18.398 1 -0.16267607]	0.67544778 -1.9584815
Round7196-----squared error: 3.9131 parameter: [18.398 7 -0.16267592]	0.67544683 -1.9584823
Round7197-----squared error: 3.9131 parameter: [18.398 2 -0.16267578]	0.67544589 -1.9584832
Round7198-----squared error: 3.9131 parameter: [18.398 8 -0.16267563]	0.67544494 -1.9584840
Round7199-----squared error: 3.9131 parameter: [18.398 3 -0.16267549]	0.675444 -1.9584849
Round7200-----squared error: 3.9131 parameter: [18.398 9 -0.16267535]	0.67544305 -1.9584857

Round7201-----squared error: 3.9131 parameter: [18.398 4 -0.1626752]	0.67544211 -1.9584866
Round7202-----squared error: 3.9131 parameter: [18.398 9 -0.16267506]	0.67544117 -1.9584874
Round7203-----squared error: 3.9131 parameter: [18.398 5 -0.16267491]	0.67544023 -1.9584883
Round7204-----squared error: 3.9131 parameter: [18.398 -0.16267477]	0.67543929 -1.9584892
Round7205-----squared error: 3.9131 parameter: [18.398 5 -0.16267463]	0.67543835 -1.9584900
Round7206-----squared error: 3.9131 parameter: [18.398 -0.16267448]	0.67543741 -1.9584909
Round7207-----squared error: 3.9131 parameter: [18.398 5 -0.16267434]	0.67543647 -1.9584917
Round7208-----squared error: 3.9131 parameter: [18.398 9 -0.1626742]	0.67543554 -1.9584925
Round7209-----squared error: 3.9131 parameter: [18.398 4 -0.16267405]	0.6754346 -1.9584934
Round7210-----squared error: 3.9131 parameter: [18.398 9 -0.16267391]	0.67543367 -1.9584942
Round7211-----squared error: 3.9131 parameter: [18.398 3 -0.16267377]	0.67543273 -1.9584951
Round7212-----squared error: 3.9131 parameter: [18.398 8 -0.16267363]	0.6754318 -1.9584959
Round7213-----squared error: 3.9131 parameter: [18.398 2 -0.16267348]	0.67543087 -1.9584968
Round7214-----squared error: 3.9131 parameter: [18.398 6 -0.16267334]	0.67542994 -1.9584976
Round7215-----squared error: 3.9131 parameter: [18.398 1 -0.1626732]	0.67542901 -1.9584985
Round7216-----squared error: 3.9131 parameter: [18.398 5 -0.16267306]	0.67542808 -1.9584993
Round7217-----squared error: 3.9131 parameter: [18.398 9 -0.16267292]	0.67542715 -1.9585001
Round7218-----squared error: 3.9131 parameter: [18.398 3 -0.16267277]	0.67542622 -1.9585010
Round7219-----squared error: 3.9131 parameter: [18.398 7 -0.16267263]	0.67542529 -1.9585018
Round7220-----squared error: 3.9131 parameter: [18.398 -0.16267249]	0.67542437 -1.9585027
Round7221-----squared error: 3.9131 parameter: [18.398 4 -0.16267235]	0.67542344 -1.9585035
Round7222-----squared error: 3.9131 parameter: [18.398 8 -0.16267221]	0.67542252 -1.9585043
Round7223-----squared error: 3.9131 parameter: [18.398 1 -0.16267207]	0.6754216 -1.9585052
Round7224-----squared error: 3.9131 parameter: [18.398 5 -0.16267193]	0.67542067 -1.9585060
Round7225-----squared error: 3.9131 parameter: [18.398 8 -0.16267179]	0.67541975 -1.9585068
Round7226-----squared error: 3.9131 parameter: [18.398 2 -0.16267165]	0.67541883 -1.9585077
Round7227-----squared error: 3.9131 parameter: [18.398 5 -0.1626715]	0.67541791 -1.9585085
Round7228-----squared error: 3.9131 parameter: [18.398 8 -0.16267136]	0.67541699 -1.9585093
Round7229-----squared error: 3.9131 parameter: [18.398 1 -0.16267122]	0.67541608 -1.9585102
Round7230-----squared error: 3.9131 parameter: [18.398 4 -0.16267108]	0.67541516 -1.9585110
Round7231-----squared error: 3.9131 parameter: [18.398 7 -0.16267094]	0.67541424 -1.9585118
Round7232-----squared error: 3.9131 parameter: [18.398 -0.1626708]	0.67541333 -1.9585127

Round7233-----squared error: 3.9131 parameter: [18.398 3 -0.16267066]	0.67541241 -1.9585135
Round7234-----squared error: 3.9131 parameter: [18.398 5 -0.16267053]	0.67541115 -1.9585143
Round7235-----squared error: 3.9131 parameter: [18.398 8 -0.16267039]	0.67541059 -1.9585151
Round7236-----squared error: 3.9131 parameter: [18.398 -0.16267025]	0.67540968 -1.958516
Round7237-----squared error: 3.9131 parameter: [18.398 3 -0.16267011]	0.67540877 -1.9585168
Round7238-----squared error: 3.9131 parameter: [18.398 5 -0.16266997]	0.67540786 -1.9585176
Round7239-----squared error: 3.9131 parameter: [18.398 8 -0.16266983]	0.67540695 -1.9585184
Round7240-----squared error: 3.9131 parameter: [18.398 -0.16266969]	0.67540604 -1.9585193
Round7241-----squared error: 3.9131 parameter: [18.398 2 -0.16266955]	0.67540513 -1.9585201
Round7242-----squared error: 3.9131 parameter: [18.398 4 -0.16266941]	0.67540423 -1.9585209
Round7243-----squared error: 3.9131 parameter: [18.398 6 -0.16266928]	0.67540332 -1.9585217
Round7244-----squared error: 3.9131 parameter: [18.398 8 -0.16266914]	0.67540242 -1.9585225
Round7245-----squared error: 3.9131 parameter: [18.398 -0.162669]	0.67540151 -1.9585234
Round7246-----squared error: 3.9131 parameter: [18.398 1 -0.16266886]	0.67540061 -1.9585242
Round7247-----squared error: 3.9131 parameter: [18.398 3 -0.16266872]	0.67539971 -1.9585250
Round7248-----squared error: 3.9131 parameter: [18.398 5 -0.16266859]	0.67539881 -1.9585258
Round7249-----squared error: 3.9131 parameter: [18.398 6 -0.16266845]	0.67539791 -1.9585266
Round7250-----squared error: 3.9131 parameter: [18.398 8 -0.16266831]	0.67539701 -1.9585274
Round7251-----squared error: 3.9131 parameter: [18.398 9 -0.16266817]	0.67539611 -1.9585282
Round7252-----squared error: 3.9131 parameter: [18.398 -0.16266804]	0.67539521 -1.9585291
Round7253-----squared error: 3.9131 parameter: [18.398 1 -0.1626679]	0.67539431 -1.9585299
Round7254-----squared error: 3.9131 parameter: [18.398 2 -0.16266776]	0.67539342 -1.9585307
Round7255-----squared error: 3.9131 parameter: [18.398 3 -0.16266763]	0.67539252 -1.9585315
Round7256-----squared error: 3.9131 parameter: [18.398 4 -0.16266749]	0.67539163 -1.9585323
Round7257-----squared error: 3.9131 parameter: [18.398 5 -0.16266735]	0.67539073 -1.9585331
Round7258-----squared error: 3.9131 parameter: [18.398 6 -0.16266722]	0.67538984 -1.9585339
Round7259-----squared error: 3.9131 parameter: [18.398 7 -0.16266708]	0.67538895 -1.9585347
Round7260-----squared error: 3.9131 parameter: [18.398 7 -0.16266694]	0.67538806 -1.9585355
Round7261-----squared error: 3.9131 parameter: [18.398 8 -0.16266681]	0.67538717 -1.9585363
Round7262-----squared error: 3.9131 parameter: [18.398 8 -0.16266667]	0.67538628 -1.9585371
Round7263-----squared error: 3.9131 parameter: [18.398 9 -0.16266654]	0.67538539 -1.9585379
Round7264-----squared error: 3.9131 parameter: [18.398 9 -0.1626664]	0.67538451 -1.9585387

Round7265-----squared error: 3.9131 parameter: [18.398 9 -0.16266627]	0.67538362 -1.9585395
Round7266-----squared error: 3.9131 parameter: [18.398 -0.16266613]	0.67538273 -1.9585404
Round7267-----squared error: 3.9131 parameter: [18.398 -0.162666]	0.67538185 -1.9585412
Round7268-----squared error: 3.9131 parameter: [18.398 -0.16266586]	0.67538096 -1.958542
Round7269-----squared error: 3.9131 parameter: [18.398 -0.16266573]	0.67538008 -1.9585428
Round7270-----squared error: 3.9131 parameter: [18.398 -0.16266559]	0.6753792 -1.9585436
Round7271-----squared error: 3.9131 parameter: [18.398 9 -0.16266546]	0.67537832 -1.9585443
Round7272-----squared error: 3.9131 parameter: [18.398 9 -0.16266532]	0.67537744 -1.9585451
Round7273-----squared error: 3.9131 parameter: [18.398 9 -0.16266519]	0.67537656 -1.9585459
Round7274-----squared error: 3.9131 parameter: [18.398 8 -0.16266505]	0.67537568 -1.9585467
Round7275-----squared error: 3.9131 parameter: [18.398 8 -0.16266492]	0.6753748 -1.9585475
Round7276-----squared error: 3.9131 parameter: [18.398 7 -0.16266479]	0.67537392 -1.9585483
Round7277-----squared error: 3.9131 parameter: [18.398 6 -0.16266465]	0.67537305 -1.9585491
Round7278-----squared error: 3.9131 parameter: [18.398 6 -0.16266452]	0.67537217 -1.9585499
Round7279-----squared error: 3.9131 parameter: [18.398 5 -0.16266438]	0.6753713 -1.9585507
Round7280-----squared error: 3.9131 parameter: [18.398 4 -0.16266425]	0.67537042 -1.9585515
Round7281-----squared error: 3.9131 parameter: [18.398 3 -0.16266412]	0.67536955 -1.9585523
Round7282-----squared error: 3.9131 parameter: [18.398 2 -0.16266398]	0.67536868 -1.9585531
Round7283-----squared error: 3.9131 parameter: [18.398 1 -0.16266385]	0.67536781 -1.9585539
Round7284-----squared error: 3.9131 parameter: [18.398 -0.16266372]	0.67536694 -1.9585547
Round7285-----squared error: 3.9131 parameter: [18.398 8 -0.16266359]	0.67536607 -1.9585554
Round7286-----squared error: 3.9131 parameter: [18.398 7 -0.16266345]	0.6753652 -1.9585562
Round7287-----squared error: 3.9131 parameter: [18.398 6 -0.16266332]	0.67536433 -1.9585570
Round7288-----squared error: 3.9131 parameter: [18.398 4 -0.16266319]	0.67536346 -1.9585578
Round7289-----squared error: 3.9131 parameter: [18.398 3 -0.16266306]	0.6753626 -1.9585586
Round7290-----squared error: 3.9131 parameter: [18.398 1 -0.16266292]	0.67536173 -1.9585594
Round7291-----squared error: 3.9131 parameter: [18.398 9 -0.16266279]	0.67536087 -1.9585601
Round7292-----squared error: 3.9131 parameter: [18.398 7 -0.16266266]	0.67536 -1.9585609
Round7293-----squared error: 3.9131 parameter: [18.398 5 -0.16266253]	0.67535914 -1.9585617
Round7294-----squared error: 3.9131 parameter: [18.398 3 -0.1626624]	0.67535828 -1.9585625
Round7295-----squared error: 3.9131 parameter: [18.398 1 -0.16266226]	0.67535742 -1.9585633
Round7296-----squared error: 3.9131 parameter: [18.398 9 -0.16266213]	0.67535656 -1.9585640

Round7297-----squared error: 3.9131 parameter: [18.398 7 -0.162662]	0.6753557 -1.9585648
Round7298-----squared error: 3.9131 parameter: [18.398 5 -0.16266187]	0.67535484 -1.9585656
Round7299-----squared error: 3.9131 parameter: [18.398 3 -0.16266174]	0.67535398 -1.9585664
Round7300-----squared error: 3.9131 parameter: [18.398 -0.16266161]	0.67535312 -1.9585672
Round7301-----squared error: 3.9131 parameter: [18.398 8 -0.16266148]	0.67535227 -1.9585679
Round7302-----squared error: 3.9131 parameter: [18.398 5 -0.16266135]	0.67535141 -1.9585687
Round7303-----squared error: 3.9131 parameter: [18.398 2 -0.16266122]	0.67535056 -1.9585695
Round7304-----squared error: 3.9131 parameter: [18.398 -0.16266109]	0.6753497 -1.9585703
Round7305-----squared error: 3.9131 parameter: [18.398 7 -0.16266096]	0.67534885 -1.9585710
Round7306-----squared error: 3.9131 parameter: [18.398 4 -0.16266083]	0.675348 -1.9585718
Round7307-----squared error: 3.9131 parameter: [18.398 1 -0.1626607]	0.67534715 -1.9585726
Round7308-----squared error: 3.9131 parameter: [18.398 8 -0.16266057]	0.6753463 -1.9585733
Round7309-----squared error: 3.9131 parameter: [18.398 5 -0.16266044]	0.67534545 -1.9585741
Round7310-----squared error: 3.9131 parameter: [18.398 2 -0.16266031]	0.6753446 -1.9585749
Round7311-----squared error: 3.9131 parameter: [18.398 9 -0.16266018]	0.67534375 -1.9585756
Round7312-----squared error: 3.9131 parameter: [18.398 5 -0.16266005]	0.6753429 -1.9585764
Round7313-----squared error: 3.9131 parameter: [18.398 2 -0.16265992]	0.67534206 -1.9585772
Round7314-----squared error: 3.9131 parameter: [18.398 9 -0.16265979]	0.67534121 -1.9585779
Round7315-----squared error: 3.9131 parameter: [18.398 5 -0.16265966]	0.67534037 -1.9585787
Round7316-----squared error: 3.9131 parameter: [18.398 1 -0.16265953]	0.67533952 -1.9585795
Round7317-----squared error: 3.9131 parameter: [18.398 8 -0.1626594]	0.67533868 -1.9585802
Round7318-----squared error: 3.9131 parameter: [18.398 4 -0.16265927]	0.67533784 -1.9585810
Round7319-----squared error: 3.9131 parameter: [18.398 -0.16265914]	0.675337 -1.9585818
Round7320-----squared error: 3.9131 parameter: [18.398 6 -0.16265902]	0.67533616 -1.9585825
Round7321-----squared error: 3.9131 parameter: [18.398 2 -0.16265889]	0.67533532 -1.9585833
Round7322-----squared error: 3.9131 parameter: [18.398 8 -0.16265876]	0.67533448 -1.9585840
Round7323-----squared error: 3.9131 parameter: [18.398 4 -0.16265863]	0.67533364 -1.9585848
Round7324-----squared error: 3.9131 parameter: [18.398 0.1626585]	0.6753328 -1.9585856 -
Round7325-----squared error: 3.9131 parameter: [18.398 6 -0.16265838]	0.67533196 -1.9585863
Round7326-----squared error: 3.9131 parameter: [18.398 1 -0.16265825]	0.67533113 -1.9585871
Round7327-----squared error: 3.9131 parameter: [18.398 7 -0.16265812]	0.67533029 -1.9585878
Round7328-----squared error: 3.9131 parameter: [18.398 3 -0.16265799]	0.67532946 -1.9585886

Round7329-----squared error: 3.9131 parameter: [18.398 8 -0.16265787]	0.67532863 -1.9585893
Round7330-----squared error: 3.9131 parameter: [18.398 3 -0.16265774]	0.67532779 -1.9585901
Round7331-----squared error: 3.9131 parameter: [18.398 9 -0.16265761]	0.67532696 -1.9585908
Round7332-----squared error: 3.9131 parameter: [18.398 4 -0.16265748]	0.67532613 -1.9585916
Round7333-----squared error: 3.9131 parameter: [18.398 9 -0.16265736]	0.6753253 -1.9585923
Round7334-----squared error: 3.9131 parameter: [18.398 4 -0.16265723]	0.67532447 -1.9585931
Round7335-----squared error: 3.9131 parameter: [18.398 9 -0.1626571]	0.67532364 -1.9585938
Round7336-----squared error: 3.9131 parameter: [18.398 4 -0.16265698]	0.67532281 -1.9585946
Round7337-----squared error: 3.9131 parameter: [18.398 9 -0.16265685]	0.67532199 -1.9585953
Round7338-----squared error: 3.9131 parameter: [18.398 4 -0.16265673]	0.67532116 -1.9585961
Round7339-----squared error: 3.9131 parameter: [18.398 9 -0.1626566]	0.67532034 -1.9585968
Round7340-----squared error: 3.9131 parameter: [18.398 3 -0.16265647]	0.67531951 -1.9585976
Round7341-----squared error: 3.9131 parameter: [18.398 8 -0.16265635]	0.67531869 -1.9585983
Round7342-----squared error: 3.9131 parameter: [18.398 2 -0.16265622]	0.67531786 -1.9585991
Round7343-----squared error: 3.9131 parameter: [18.398 7 -0.1626561]	0.67531704 -1.9585998
Round7344-----squared error: 3.9131 parameter: [18.398 1 -0.16265597]	0.67531622 -1.9586006
Round7345-----squared error: 3.9131 parameter: [18.398 5 -0.16265585]	0.6753154 -1.9586013
Round7346-----squared error: 3.9131 parameter: [18.398 -0.16265572]	0.67531458 -1.9586021
Round7347-----squared error: 3.9131 parameter: [18.398 4 -0.1626556]	0.67531376 -1.9586028
Round7348-----squared error: 3.9131 parameter: [18.398 8 -0.16265547]	0.67531294 -1.9586035
Round7349-----squared error: 3.9131 parameter: [18.398 2 -0.16265535]	0.67531212 -1.9586043
Round7350-----squared error: 3.9131 parameter: [18.398 6 -0.16265522]	0.67531131 -1.9586050
Round7351-----squared error: 3.9131 parameter: [18.398 -0.1626551]	0.67531049 -1.9586058
Round7352-----squared error: 3.9131 parameter: [18.398 4 -0.16265497]	0.67530968 -1.9586065
Round7353-----squared error: 3.9131 parameter: [18.398 7 -0.16265485]	0.67530886 -1.9586072
Round7354-----squared error: 3.9131 parameter: [18.398 1 -0.16265472]	0.67530805 -1.9586080
Round7355-----squared error: 3.9131 parameter: [18.398 5 -0.1626546]	0.67530724 -1.9586087
Round7356-----squared error: 3.9131 parameter: [18.398 8 -0.16265447]	0.67530642 -1.9586094
Round7357-----squared error: 3.9131 parameter: [18.398 2 -0.16265435]	0.67530561 -1.9586102
Round7358-----squared error: 3.9131 parameter: [18.398 5 -0.16265423]	0.6753048 -1.9586109
Round7359-----squared error: 3.9131 parameter: [18.398 8 -0.1626541]	0.67530399 -1.9586116
Round7360-----squared error: 3.9131 parameter: [18.398 1 -0.16265398]	0.67530318 -1.9586124

Round7361-----squared error: 3.9131 parameter: [18.398 5 -0.16265386]	0.67530237 -1.9586131
Round7362-----squared error: 3.9131 parameter: [18.398 8 -0.16265373]	0.67530157 -1.9586138
Round7363-----squared error: 3.9131 parameter: [18.398 1 -0.16265361]	0.67530076 -1.9586146
Round7364-----squared error: 3.9131 parameter: [18.398 4 -0.16265349]	0.67529995 -1.9586153
Round7365-----squared error: 3.9131 parameter: [18.398 7 -0.16265336]	0.67529915 -1.9586160
Round7366-----squared error: 3.9131 parameter: [18.398 9 -0.16265324]	0.67529835 -1.9586167
Round7367-----squared error: 3.9131 parameter: [18.398 2 -0.16265312]	0.67529754 -1.9586175
Round7368-----squared error: 3.9131 parameter: [18.398 5 -0.162653]	0.67529674 -1.9586182
Round7369-----squared error: 3.9131 parameter: [18.398 7 -0.16265287]	0.67529594 -1.9586189
Round7370-----squared error: 3.9131 parameter: [18.398 -0.16265275]	0.67529514 -1.9586197
Round7371-----squared error: 3.9131 parameter: [18.398 2 -0.16265263]	0.67529434 -1.9586204
Round7372-----squared error: 3.9131 parameter: [18.398 5 -0.16265251]	0.67529354 -1.9586211
Round7373-----squared error: 3.9131 parameter: [18.398 7 -0.16265238]	0.67529274 -1.9586218
Round7374-----squared error: 3.9131 parameter: [18.398 9 -0.16265226]	0.67529194 -1.9586225
Round7375-----squared error: 3.9131 parameter: [18.398 2 -0.16265214]	0.67529114 -1.9586233
Round7376-----squared error: 3.9131 parameter: [18.398 4 -0.16265202]	0.67529035 -1.9586240
Round7377-----squared error: 3.9131 parameter: [18.398 6 -0.1626519]	0.67528955 -1.9586247
Round7378-----squared error: 3.9131 parameter: [18.398 8 -0.16265178]	0.67528875 -1.9586254
Round7379-----squared error: 3.9131 parameter: [18.398 -0.16265165]	0.67528796 -1.9586262
Round7380-----squared error: 3.9131 parameter: [18.398 1 -0.16265153]	0.67528717 -1.9586269
Round7381-----squared error: 3.9131 parameter: [18.398 3 -0.16265141]	0.67528637 -1.9586276
Round7382-----squared error: 3.9131 parameter: [18.398 5 -0.16265129]	0.67528558 -1.9586283
Round7383-----squared error: 3.9131 parameter: [18.398 6 -0.16265117]	0.67528479 -1.9586290
Round7384-----squared error: 3.9131 parameter: [18.398 8 -0.16265105]	0.675284 -1.9586297
Round7385-----squared error: 3.9131 parameter: [18.398 -0.16265093]	0.67528321 -1.9586305
Round7386-----squared error: 3.9131 parameter: [18.398 1 -0.16265081]	0.67528242 -1.9586312
Round7387-----squared error: 3.9131 parameter: [18.398 2 -0.16265069]	0.67528163 -1.9586319
Round7388-----squared error: 3.9131 parameter: [18.398 4 -0.16265057]	0.67528085 -1.9586326
Round7389-----squared error: 3.9131 parameter: [18.398 5 -0.16265045]	0.67528006 -1.9586333
Round7390-----squared error: 3.9131 parameter: [18.398 6 -0.16265033]	0.67527927 -1.9586340
Round7391-----squared error: 3.9131 parameter: [18.398 7 -0.16265021]	0.67527849 -1.9586347
Round7392-----squared error: 3.9131 parameter: [18.398 8 -0.16265009]	0.6752777 -1.9586354

Round7393-----squared error: 3.9131 parameter: [18.398 9 -0.16264997]	0.67527692 -1.9586361
Round7394-----squared error: 3.9131 parameter: [18.398 -0.16264985]	0.67527614 -1.9586369
Round7395-----squared error: 3.9131 parameter: [18.398 1 -0.16264973]	0.67527536 -1.9586376
Round7396-----squared error: 3.9131 parameter: [18.398 1 -0.16264961]	0.67527457 -1.9586383
Round7397-----squared error: 3.9131 parameter: [18.398 2 -0.16264949]	0.67527379 -1.9586390
Round7398-----squared error: 3.9131 parameter: [18.398 3 -0.16264937]	0.67527301 -1.9586397
Round7399-----squared error: 3.9131 parameter: [18.398 3 -0.16264925]	0.67527223 -1.9586404
Round7400-----squared error: 3.9131 parameter: [18.398 4 -0.16264913]	0.67527146 -1.9586411
Round7401-----squared error: 3.9131 parameter: [18.398 4 -0.16264901]	0.67527068 -1.9586418
Round7402-----squared error: 3.9131 parameter: [18.398 4 -0.1626489]	0.6752699 -1.9586425
Round7403-----squared error: 3.9131 parameter: [18.398 5 -0.16264878]	0.67526913 -1.9586432
Round7404-----squared error: 3.9131 parameter: [18.398 5 -0.16264866]	0.67526835 -1.9586439
Round7405-----squared error: 3.9131 parameter: [18.398 5 -0.16264854]	0.67526758 -1.9586446
Round7406-----squared error: 3.9131 parameter: [18.398 5 -0.16264842]	0.6752668 -1.9586453
Round7407-----squared error: 3.9131 parameter: [18.398 5 -0.1626483]	0.67526603 -1.9586460
Round7408-----squared error: 3.9131 parameter: [18.398 5 -0.16264819]	0.67526526 -1.9586467
Round7409-----squared error: 3.9131 parameter: [18.398 5 -0.16264807]	0.67526448 -1.9586474
Round7410-----squared error: 3.9131 parameter: [18.398 5 -0.16264795]	0.67526371 -1.9586481
Round7411-----squared error: 3.9131 parameter: [18.398 4 -0.16264783]	0.67526294 -1.9586488
Round7412-----squared error: 3.9131 parameter: [18.398 4 -0.16264772]	0.67526217 -1.9586495
Round7413-----squared error: 3.9131 parameter: [18.398 4 -0.1626476]	0.67526141 -1.9586502
Round7414-----squared error: 3.9131 parameter: [18.398 3 -0.16264748]	0.67526064 -1.9586509
Round7415-----squared error: 3.9131 parameter: [18.398 3 -0.16264736]	0.67525987 -1.9586516
Round7416-----squared error: 3.9131 parameter: [18.398 2 -0.16264725]	0.6752591 -1.9586523
Round7417-----squared error: 3.9131 parameter: [18.398 1 -0.16264713]	0.67525834 -1.9586530
Round7418-----squared error: 3.9131 parameter: [18.398 -0.16264701]	0.67525757 -1.9586537
Round7419-----squared error: 3.9131 parameter: [18.398 -0.1626469]	0.67525681 -1.9586544
Round7420-----squared error: 3.9131 parameter: [18.398 9 -0.16264678]	0.67525605 -1.9586550
Round7421-----squared error: 3.9131 parameter: [18.398 8 -0.16264666]	0.67525528 -1.9586557
Round7422-----squared error: 3.9131 parameter: [18.398 7 -0.16264655]	0.67525452 -1.9586564
Round7423-----squared error: 3.9131 parameter: [18.398 6 -0.16264643]	0.67525376 -1.9586571
Round7424-----squared error: 3.9131 parameter: [18.398 5 -0.16264631]	0.675253 -1.9586578

Round7425-----squared error: 3.9131 parameter: [18.398 3 -0.1626462]	0.67525224 -1.9586585
Round7426-----squared error: 3.9131 parameter: [18.398 2 -0.16264608]	0.67525148 -1.9586592
Round7427-----squared error: 3.9131 parameter: [18.398 1 -0.16264597]	0.67525072 -1.9586599
Round7428-----squared error: 3.9131 parameter: [18.398 9 -0.16264585]	0.67524996 -1.9586605
Round7429-----squared error: 3.9131 parameter: [18.398 8 -0.16264573]	0.67524921 -1.9586612
Round7430-----squared error: 3.9131 parameter: [18.398 6 -0.16264562]	0.67524845 -1.9586619
Round7431-----squared error: 3.9131 parameter: [18.398 5 -0.1626455]	0.6752477 -1.9586626
Round7432-----squared error: 3.9131 parameter: [18.398 3 -0.16264539]	0.67524694 -1.9586633
Round7433-----squared error: 3.9131 parameter: [18.398 1 -0.16264527]	0.67524619 -1.9586640
Round7434-----squared error: 3.9131 parameter: [18.398 -0.16264516]	0.67524543 -1.9586647
Round7435-----squared error: 3.9131 parameter: [18.398 8 -0.16264504]	0.67524468 -1.9586653
Round7436-----squared error: 3.9131 parameter: [18.398 6 -0.16264493]	0.67524393 -1.9586660
Round7437-----squared error: 3.9131 parameter: [18.398 4 -0.16264481]	0.67524318 -1.9586667
Round7438-----squared error: 3.9131 parameter: [18.398 2 -0.1626447]	0.67524243 -1.9586674
Round7439-----squared error: 3.9131 parameter: [18.398 9 -0.16264458]	0.67524168 -1.9586680
Round7440-----squared error: 3.9131 parameter: [18.398 7 -0.16264447]	0.67524093 -1.9586687
Round7441-----squared error: 3.9131 parameter: [18.398 5 -0.16264436]	0.67524018 -1.9586694
Round7442-----squared error: 3.9131 parameter: [18.398 3 -0.16264424]	0.67523943 -1.9586701
Round7443-----squared error: 3.9131 parameter: [18.398 -0.16264413]	0.67523869 -1.9586708
Round7444-----squared error: 3.9131 parameter: [18.398 8 -0.16264401]	0.67523794 -1.9586714
Round7445-----squared error: 3.9131 parameter: [18.398 5 -0.1626439]	0.6752372 -1.9586721
Round7446-----squared error: 3.9131 parameter: [18.398 3 -0.16264379]	0.67523645 -1.9586728
Round7447-----squared error: 3.9131 parameter: [18.398 -0.16264367]	0.67523571 -1.9586735
Round7448-----squared error: 3.9131 parameter: [18.398 7 -0.16264356]	0.67523496 -1.9586741
Round7449-----squared error: 3.9131 parameter: [18.398 5 -0.16264345]	0.67523422 -1.9586748
Round7450-----squared error: 3.9131 parameter: [18.398 2 -0.16264333]	0.67523348 -1.9586755
Round7451-----squared error: 3.9131 parameter: [18.398 9 -0.16264322]	0.67523274 -1.9586761
Round7452-----squared error: 3.9131 parameter: [18.398 6 -0.16264311]	0.675232 -1.9586768
Round7453-----squared error: 3.9131 parameter: [18.398 3 -0.16264299]	0.67523126 -1.9586775
Round7454-----squared error: 3.9131 parameter: [18.398 -0.16264288]	0.67523052 -1.9586782
Round7455-----squared error: 3.9131 parameter: [18.398 6 -0.16264277]	0.67522978 -1.9586788
Round7456-----squared error: 3.9131 parameter: [18.398 3 -0.16264265]	0.67522904 -1.9586795

Round7457-----squared error: 3.9131 parameter: [18.398 -0.16264254]	0.67522831 -1.9586802
Round7458-----squared error: 3.9131 parameter: [18.398 7 -0.16264243]	0.67522757 -1.9586808
Round7459-----squared error: 3.9131 parameter: [18.398 3 -0.16264232]	0.67522684 -1.9586815
Round7460-----squared error: 3.9131 parameter: [18.398 -0.16264221]	0.6752261 -1.9586822
Round7461-----squared error: 3.9131 parameter: [18.398 6 -0.16264209]	0.67522537 -1.9586828
Round7462-----squared error: 3.9131 parameter: [18.398 2 -0.16264198]	0.67522463 -1.9586835
Round7463-----squared error: 3.9131 parameter: [18.398 9 -0.16264187]	0.6752239 -1.9586841
Round7464-----squared error: 3.9131 parameter: [18.398 5 -0.16264176]	0.67522317 -1.9586848
Round7465-----squared error: 3.9131 parameter: [18.398 1 -0.16264165]	0.67522244 -1.9586855
Round7466-----squared error: 3.9131 parameter: [18.398 7 -0.16264153]	0.67522171 -1.9586861
Round7467-----squared error: 3.9131 parameter: [18.398 3 -0.16264142]	0.67522098 -1.9586868
Round7468-----squared error: 3.9131 parameter: [18.398 9 -0.16264131]	0.67522025 -1.9586874
Round7469-----squared error: 3.9131 parameter: [18.398 5 -0.1626412]	0.67521952 -1.9586881
Round7470-----squared error: 3.9131 parameter: [18.398 1 -0.16264109]	0.67521879 -1.9586888
Round7471-----squared error: 3.9131 parameter: [18.398 7 -0.16264098]	0.67521807 -1.9586894
Round7472-----squared error: 3.9131 parameter: [18.398 3 -0.16264087]	0.67521734 -1.9586901
Round7473-----squared error: 3.9131 parameter: [18.398 8 -0.16264076]	0.67521662 -1.9586907
Round7474-----squared error: 3.9131 parameter: [18.398 4 -0.16264065]	0.67521589 -1.9586914
Round7475-----squared error: 3.9131 parameter: [18.398 -0.16264053]	0.67521517 -1.9586921
Round7476-----squared error: 3.9131 parameter: [18.398 5 -0.16264042]	0.67521444 -1.9586927
Round7477-----squared error: 3.9131 parameter: [18.398 1 -0.16264031]	0.67521372 -1.9586934
Round7478-----squared error: 3.9131 parameter: [18.398 6 -0.1626402]	0.675213 -1.9586940
Round7479-----squared error: 3.9131 parameter: [18.398 1 -0.16264009]	0.67521228 -1.9586947
Round7480-----squared error: 3.9131 parameter: [18.398 6 -0.16263998]	0.67521156 -1.9586953
Round7481-----squared error: 3.9131 parameter: [18.398 2 -0.16263987]	0.67521084 -1.9586960
Round7482-----squared error: 3.9131 parameter: [18.398 7 -0.16263976]	0.67521012 -1.9586966
Round7483-----squared error: 3.9131 parameter: [18.398 2 -0.16263965]	0.6752094 -1.9586973
Round7484-----squared error: 3.9131 parameter: [18.398 7 -0.16263954]	0.67520868 -1.9586979
Round7485-----squared error: 3.9131 parameter: [18.398 2 -0.16263943]	0.67520796 -1.9586986
Round7486-----squared error: 3.9131 parameter: [18.398 7 -0.16263933]	0.67520725 -1.9586992
Round7487-----squared error: 3.9131 parameter: [18.398 1 -0.16263922]	0.67520653 -1.9586999
Round7488-----squared error: 3.9131 parameter: [18.398 6 -0.16263911]	0.67520582 -1.9587005

Round7489-----squared error: 3.9131 parameter: [18.398 1 -0.162639]	0.6752051 -1.9587012
Round7490-----squared error: 3.9131 parameter: [18.398 5 -0.16263889]	0.67520439 -1.9587018
Round7491-----squared error: 3.9131 parameter: [18.398 -0.16263878]	0.67520368 -1.9587025
Round7492-----squared error: 3.9131 parameter: [18.398 4 -0.16263867]	0.67520296 -1.9587031
Round7493-----squared error: 3.9131 parameter: [18.398 9 -0.16263856]	0.67520225 -1.9587037
Round7494-----squared error: 3.9131 parameter: [18.398 3 -0.16263845]	0.67520154 -1.9587044
Round7495-----squared error: 3.9131 parameter: [18.398 8 -0.16263835]	0.67520083 -1.9587050
Round7496-----squared error: 3.9131 parameter: [18.398 2 -0.16263824]	0.67520012 -1.9587057
Round7497-----squared error: 3.9131 parameter: [18.398 6 -0.16263813]	0.67519941 -1.9587063
Round7498-----squared error: 3.9131 parameter: [18.398 -0.16263802]	0.6751987 -1.958707
Round7499-----squared error: 3.9131 parameter: [18.398 4 -0.16263791]	0.675198 -1.9587076
Round7500-----squared error: 3.9131 parameter: [18.398 8 -0.1626378]	0.67519729 -1.9587082
Round7501-----squared error: 3.9131 parameter: [18.398 2 -0.1626377]	0.67519658 -1.9587089
Round7502-----squared error: 3.9131 parameter: [18.398 6 -0.16263759]	0.67519588 -1.9587095
Round7503-----squared error: 3.9131 parameter: [18.398 -0.16263748]	0.67519517 -1.9587102
Round7504-----squared error: 3.9131 parameter: [18.398 3 -0.16263737]	0.67519447 -1.9587108
Round7505-----squared error: 3.9131 parameter: [18.398 7 -0.16263727]	0.67519377 -1.9587114
Round7506-----squared error: 3.9131 parameter: [18.398 1 -0.16263716]	0.67519306 -1.9587121
Round7507-----squared error: 3.9131 parameter: [18.398 4 -0.16263705]	0.67519236 -1.9587127
Round7508-----squared error: 3.9131 parameter: [18.398 8 -0.16263694]	0.67519166 -1.9587133
Round7509-----squared error: 3.9131 parameter: [18.398 1 -0.16263684]	0.67519096 -1.9587140
Round7510-----squared error: 3.9131 parameter: [18.398 5 -0.16263673]	0.67519026 -1.9587146
Round7511-----squared error: 3.9131 parameter: [18.398 8 -0.16263662]	0.67518956 -1.9587152
Round7512-----squared error: 3.9131 parameter: [18.398 1 -0.16263652]	0.67518886 -1.9587159
Round7513-----squared error: 3.9131 parameter: [18.398 4 -0.16263641]	0.67518816 -1.9587165
Round7514-----squared error: 3.9131 parameter: [18.398 8 -0.1626363]	0.67518746 -1.9587171
Round7515-----squared error: 3.9131 parameter: [18.398 1 -0.1626362]	0.67518677 -1.9587178
Round7516-----squared error: 3.9131 parameter: [18.398 4 -0.16263609]	0.67518607 -1.9587184
Round7517-----squared error: 3.9131 parameter: [18.398 7 -0.16263598]	0.67518538 -1.9587190
Round7518-----squared error: 3.9131 parameter: [18.398 9 -0.16263588]	0.67518468 -1.9587196
Round7519-----squared error: 3.9131 parameter: [18.398 2 -0.16263577]	0.67518399 -1.9587203
Round7520-----squared error: 3.9131 parameter: [18.398 5 -0.16263567]	0.67518329 -1.9587209

Round7521-----squared error: 3.9131 parameter: [18.398 8 -0.16263556]	0.6751826 -1.9587215
Round7522-----squared error: 3.9131 parameter: [18.398 -0.16263545]	0.67518191 -1.9587222
Round7523-----squared error: 3.9131 parameter: [18.398 3 -0.16263535]	0.67518122 -1.9587228
Round7524-----squared error: 3.9131 parameter: [18.398 6 -0.16263524]	0.67518053 -1.9587234
Round7525-----squared error: 3.9131 parameter: [18.398 8 -0.16263514]	0.67517984 -1.9587240
Round7526-----squared error: 3.9131 parameter: [18.398 -0.16263503]	0.67517915 -1.9587247
Round7527-----squared error: 3.9131 parameter: [18.398 3 -0.16263493]	0.67517846 -1.9587253
Round7528-----squared error: 3.9131 parameter: [18.398 5 -0.16263482]	0.67517777 -1.9587259
Round7529-----squared error: 3.9131 parameter: [18.398 7 -0.16263472]	0.67517708 -1.9587265
Round7530-----squared error: 3.9131 parameter: [18.398 9 -0.16263461]	0.6751764 -1.9587271
Round7531-----squared error: 3.9131 parameter: [18.398 2 -0.16263451]	0.67517571 -1.9587278
Round7532-----squared error: 3.9131 parameter: [18.398 4 -0.1626344]	0.67517503 -1.9587284
Round7533-----squared error: 3.9131 parameter: [18.398 6 -0.1626343]	0.67517434 -1.9587290
Round7534-----squared error: 3.9131 parameter: [18.398 8 -0.16263419]	0.67517366 -1.9587296
Round7535-----squared error: 3.9131 parameter: [18.398 9 -0.16263409]	0.67517297 -1.9587302
Round7536-----squared error: 3.9131 parameter: [18.398 1 -0.16263399]	0.67517229 -1.9587309
Round7537-----squared error: 3.9131 parameter: [18.398 3 -0.16263388]	0.67517161 -1.9587315
Round7538-----squared error: 3.9131 parameter: [18.398 5 -0.16263378]	0.67517093 -1.9587321
Round7539-----squared error: 3.9131 parameter: [18.398 6 -0.16263367]	0.67517025 -1.9587327
Round7540-----squared error: 3.9131 parameter: [18.398 8 -0.16263357]	0.67516957 -1.9587333
Round7541-----squared error: 3.9131 parameter: [18.398 9 -0.16263347]	0.67516889 -1.9587339
Round7542-----squared error: 3.9131 parameter: [18.398 1 -0.16263336]	0.67516821 -1.9587346
Round7543-----squared error: 3.9131 parameter: [18.398 2 -0.16263326]	0.67516753 -1.9587352
Round7544-----squared error: 3.9131 parameter: [18.398 4 -0.16263315]	0.67516685 -1.9587358
Round7545-----squared error: 3.9131 parameter: [18.398 5 -0.16263305]	0.67516618 -1.9587364
Round7546-----squared error: 3.9131 parameter: [18.398 6 -0.16263295]	0.6751655 -1.9587370
Round7547-----squared error: 3.9131 parameter: [18.398 7 -0.16263284]	0.67516482 -1.9587376
Round7548-----squared error: 3.9131 parameter: [18.398 8 -0.16263274]	0.67516415 -1.9587382
Round7549-----squared error: 3.9131 parameter: [18.398 9 -0.16263264]	0.67516347 -1.9587388
Round7550-----squared error: 3.9131 parameter: [18.398 -0.16263254]	0.6751628 -1.9587395
Round7551-----squared error: 3.9131 parameter: [18.398 1 -0.16263243]	0.67516213 -1.9587401
Round7552-----squared error: 3.9131 parameter: [18.398 2 -0.16263233]	0.67516146 -1.9587407

Round7553-----squared error: 3.9131 parameter: [18.398 3 -0.16263223]	0.67516078 -1.9587413
Round7554-----squared error: 3.9131 parameter: [18.398 4 -0.16263213]	0.67516011 -1.9587419
Round7555-----squared error: 3.9131 parameter: [18.398 4 -0.16263202]	0.67515944 -1.9587425
Round7556-----squared error: 3.9131 parameter: [18.398 5 -0.16263192]	0.67515877 -1.9587431
Round7557-----squared error: 3.9131 parameter: [18.398 6 -0.16263182]	0.6751581 -1.9587437
Round7558-----squared error: 3.9131 parameter: [18.398 6 -0.16263172]	0.67515743 -1.9587443
Round7559-----squared error: 3.9131 parameter: [18.398 7 -0.16263161]	0.67515677 -1.9587449
Round7560-----squared error: 3.9131 parameter: [18.398 7 -0.16263151]	0.6751561 -1.9587455
Round7561-----squared error: 3.9131 parameter: [18.398 7 -0.16263141]	0.67515543 -1.9587461
Round7562-----squared error: 3.9131 parameter: [18.398 8 -0.16263131]	0.67515477 -1.9587467
Round7563-----squared error: 3.9131 parameter: [18.398 8 -0.16263121]	0.6751541 -1.9587473
Round7564-----squared error: 3.9131 parameter: [18.398 8 -0.16263111]	0.67515344 -1.9587479
Round7565-----squared error: 3.9131 parameter: [18.398 8 -0.162631]	0.67515277 -1.9587485
Round7566-----squared error: 3.9131 parameter: [18.398 8 -0.1626309]	0.67515211 -1.9587491
Round7567-----squared error: 3.9131 parameter: [18.398 8 -0.1626308]	0.67515145 -1.9587497
Round7568-----squared error: 3.9131 parameter: [18.398 8 -0.1626307]	0.67515079 -1.9587503
Round7569-----squared error: 3.9131 parameter: [18.398 8 -0.1626306]	0.67515012 -1.9587509
Round7570-----squared error: 3.9131 parameter: [18.398 8 -0.1626305]	0.67514946 -1.9587515
Round7571-----squared error: 3.9131 parameter: [18.398 8 -0.1626304]	0.6751488 -1.9587521
Round7572-----squared error: 3.9131 parameter: [18.398 7 -0.1626303]	0.67514814 -1.9587527
Round7573-----squared error: 3.9131 parameter: [18.398 7 -0.1626302]	0.67514749 -1.9587533
Round7574-----squared error: 3.9131 parameter: [18.398 6 -0.1626301]	0.67514683 -1.9587539
Round7575-----squared error: 3.9131 parameter: [18.398 6 -0.16263]	0.67514617 -1.9587545
Round7576-----squared error: 3.9131 parameter: [18.398 5 -0.1626299]	0.67514551 -1.9587551
Round7577-----squared error: 3.9131 parameter: [18.398 5 -0.16262979]	0.67514486 -1.9587557
Round7578-----squared error: 3.9131 parameter: [18.398 4 -0.16262969]	0.6751442 -1.9587563
Round7579-----squared error: 3.9131 parameter: [18.398 4 -0.16262959]	0.67514355 -1.9587569
Round7580-----squared error: 3.9131 parameter: [18.398 3 -0.16262949]	0.67514289 -1.9587575
Round7581-----squared error: 3.9131 parameter: [18.398 2 -0.16262939]	0.67514224 -1.9587581
Round7582-----squared error: 3.9131 parameter: [18.398 1 -0.16262929]	0.67514158 -1.9587587
Round7583-----squared error: 3.9131 parameter: [18.398 -0.1626292]	0.67514093 -1.9587593
Round7584-----squared error: 3.9131 parameter: [18.398 9 -0.1626291]	0.67514028 -1.9587598

Round7585-----squared error: 3.9131 parameter: [18.398 8 -0.162629]	0.67513963 -1.9587604
Round7586-----squared error: 3.9131 parameter: [18.398 7 -0.1626289]	0.67513898 -1.9587610
Round7587-----squared error: 3.9131 parameter: [18.398 6 -0.1626288]	0.67513833 -1.9587616
Round7588-----squared error: 3.9131 parameter: [18.398 5 -0.1626287]	0.67513768 -1.9587622
Round7589-----squared error: 3.9131 parameter: [18.398 3 -0.1626286]	0.67513703 -1.9587628
Round7590-----squared error: 3.9131 parameter: [18.398 2 -0.1626285]	0.67513638 -1.9587634
Round7591-----squared error: 3.9131 parameter: [18.398 1 -0.1626284]	0.67513573 -1.9587640
Round7592-----squared error: 3.9131 parameter: [18.398 9 -0.1626283]	0.67513509 -1.9587645
Round7593-----squared error: 3.9131 parameter: [18.398 8 -0.1626282]	0.67513444 -1.9587651
Round7594-----squared error: 3.9131 parameter: [18.398 6 -0.16262811]	0.67513379 -1.9587657
Round7595-----squared error: 3.9131 parameter: [18.398 5 -0.16262801]	0.67513315 -1.9587663
Round7596-----squared error: 3.9131 parameter: [18.398 3 -0.16262791]	0.67513251 -1.9587669
Round7597-----squared error: 3.9131 parameter: [18.398 1 -0.16262781]	0.67513186 -1.9587675
Round7598-----squared error: 3.9131 parameter: [18.398 -0.16262771]	0.67513122 -1.9587681
Round7599-----squared error: 3.9131 parameter: [18.398 8 -0.16262761]	0.67513058 -1.9587686
Round7600-----squared error: 3.9131 parameter: [18.398 6 -0.16262752]	0.67512993 -1.9587692
Round7601-----squared error: 3.9131 parameter: [18.398 4 -0.16262742]	0.67512929 -1.9587698
Round7602-----squared error: 3.9131 parameter: [18.398 2 -0.16262732]	0.67512865 -1.9587704
Round7603-----squared error: 3.9131 parameter: [18.398 -0.16262722]	0.67512801 -1.958771
Round7604-----squared error: 3.9131 parameter: [18.398 8 -0.16262712]	0.67512737 -1.9587715
Round7605-----squared error: 3.9131 parameter: [18.398 6 -0.16262703]	0.67512673 -1.9587721
Round7606-----squared error: 3.9131 parameter: [18.398 3 -0.16262693]	0.6751261 -1.9587727
Round7607-----squared error: 3.9131 parameter: [18.398 1 -0.16262683]	0.67512546 -1.9587733
Round7608-----squared error: 3.9131 parameter: [18.398 9 -0.16262673]	0.67512482 -1.9587738
Round7609-----squared error: 3.9131 parameter: [18.398 6 -0.16262664]	0.67512418 -1.9587744
Round7610-----squared error: 3.9131 parameter: [18.398 4 -0.16262654]	0.67512355 -1.9587750
Round7611-----squared error: 3.9131 parameter: [18.398 1 -0.16262644]	0.67512291 -1.9587756
Round7612-----squared error: 3.9131 parameter: [18.398 9 -0.16262635]	0.67512228 -1.9587761
Round7613-----squared error: 3.9131 parameter: [18.398 6 -0.16262625]	0.67512164 -1.9587767
Round7614-----squared error: 3.9131 parameter: [18.398 4 -0.16262615]	0.67512101 -1.9587773
Round7615-----squared error: 3.9131 parameter: [18.398 1 -0.16262606]	0.67512038 -1.9587779
Round7616-----squared error: 3.9131 parameter: [18.398 8 -0.16262596]	0.67511975 -1.9587784

Round7617-----squared error: 3.9131 parameter: [18.398 5 -0.16262586]	0.67511912 -1.9587790
Round7618-----squared error: 3.9131 parameter: [18.398 2 -0.16262577]	0.67511848 -1.9587796
Round7619-----squared error: 3.9131 parameter: [18.398 9 -0.16262567]	0.67511785 -1.9587801
Round7620-----squared error: 3.9131 parameter: [18.398 6 -0.16262557]	0.67511722 -1.9587807
Round7621-----squared error: 3.9131 parameter: [18.398 3 -0.16262548]	0.6751166 -1.9587813
Round7622-----squared error: 3.9131 parameter: [18.398 -0.16262538]	0.67511597 -1.9587819
Round7623-----squared error: 3.9131 parameter: [18.398 7 -0.16262529]	0.67511534 -1.9587824
Round7624-----squared error: 3.9131 parameter: [18.398 4 -0.16262519]	0.67511471 -1.9587830
Round7625-----squared error: 3.9131 parameter: [18.398 1 -0.16262509]	0.67511408 -1.9587836
Round7626-----squared error: 3.9131 parameter: [18.398 7 -0.162625]	0.67511346 -1.9587841
Round7627-----squared error: 3.9131 parameter: [18.398 4 -0.1626249]	0.67511283 -1.9587847
Round7628-----squared error: 3.9131 parameter: [18.398 1 -0.16262481]	0.67511221 -1.9587853
Round7629-----squared error: 3.9131 parameter: [18.398 7 -0.16262471]	0.67511158 -1.9587858
Round7630-----squared error: 3.9131 parameter: [18.398 3 -0.16262462]	0.67511096 -1.9587864
Round7631-----squared error: 3.9131 parameter: [18.398 -0.16262452]	0.67511034 -1.958787
Round7632-----squared error: 3.9131 parameter: [18.398 6 -0.16262443]	0.67510972 -1.9587875
Round7633-----squared error: 3.9131 parameter: [18.398 3 -0.16262433]	0.67510909 -1.9587881
Round7634-----squared error: 3.9131 parameter: [18.398 9 -0.16262424]	0.67510847 -1.9587886
Round7635-----squared error: 3.9131 parameter: [18.398 5 -0.16262414]	0.67510785 -1.9587892
Round7636-----squared error: 3.9131 parameter: [18.398 1 -0.16262405]	0.67510723 -1.9587898
Round7637-----squared error: 3.9131 parameter: [18.398 7 -0.16262395]	0.67510661 -1.9587903
Round7638-----squared error: 3.9131 parameter: [18.398 3 -0.16262386]	0.67510599 -1.9587909
Round7639-----squared error: 3.9131 parameter: [18.398 9 -0.16262376]	0.67510537 -1.9587914
Round7640-----squared error: 3.9131 parameter: [18.398 5 -0.16262367]	0.67510476 -1.9587920
Round7641-----squared error: 3.9131 parameter: [18.398 1 -0.16262358]	0.67510414 -1.9587926
Round7642-----squared error: 3.9131 parameter: [18.398 7 -0.16262348]	0.67510352 -1.9587931
Round7643-----squared error: 3.9131 parameter: [18.398 3 -0.16262339]	0.67510291 -1.9587937
Round7644-----squared error: 3.9131 parameter: [18.398 8 -0.16262329]	0.67510229 -1.9587942
Round7645-----squared error: 3.9131 parameter: [18.398 4 -0.1626232]	0.67510168 -1.9587948
Round7646-----squared error: 3.9131 parameter: [18.398 9 -0.16262311]	0.67510106 -1.9587953
Round7647-----squared error: 3.9131 parameter: [18.398 5 -0.16262301]	0.67510045 -1.9587959
Round7648-----squared error: 3.9131 parameter: [18.398 1 -0.16262292]	0.67509984 -1.9587965

Round7649-----squared error: 3.9131 parameter: [18.398 6 -0.16262282]	0.67509922 -1.9587970
Round7650-----squared error: 3.9131 parameter: [18.398 1 -0.16262273]	0.67509861 -1.9587976
Round7651-----squared error: 3.9131 parameter: [18.398 7 -0.16262264]	0.675098 -1.9587981
Round7652-----squared error: 3.9131 parameter: [18.398 2 -0.16262254]	0.67509739 -1.9587987
Round7653-----squared error: 3.9131 parameter: [18.398 7 -0.16262245]	0.67509678 -1.9587992
Round7654-----squared error: 3.9131 parameter: [18.398 2 -0.16262236]	0.67509617 -1.9587998
Round7655-----squared error: 3.9131 parameter: [18.398 7 -0.16262227]	0.67509556 -1.9588003
Round7656-----squared error: 3.9131 parameter: [18.398 2 -0.16262217]	0.67509495 -1.9588009
Round7657-----squared error: 3.9131 parameter: [18.398 8 -0.16262208]	0.67509435 -1.9588014
Round7658-----squared error: 3.9131 parameter: [18.398 2 -0.16262199]	0.67509374 -1.9588020
Round7659-----squared error: 3.9131 parameter: [18.398 7 -0.16262189]	0.67509313 -1.9588025
Round7660-----squared error: 3.9131 parameter: [18.398 2 -0.1626218]	0.67509253 -1.9588031
Round7661-----squared error: 3.9131 parameter: [18.398 7 -0.16262171]	0.67509192 -1.9588036
Round7662-----squared error: 3.9131 parameter: [18.398 2 -0.16262162]	0.67509132 -1.9588042
Round7663-----squared error: 3.9131 parameter: [18.398 6 -0.16262152]	0.67509071 -1.9588047
Round7664-----squared error: 3.9131 parameter: [18.398 1 -0.16262143]	0.67509011 -1.9588053
Round7665-----squared error: 3.9131 parameter: [18.398 6 -0.16262134]	0.67508951 -1.9588058
Round7666-----squared error: 3.9131 parameter: [18.398 -0.16262125]	0.6750889 -1.9588064
Round7667-----squared error: 3.9131 parameter: [18.398 5 -0.16262116]	0.6750883 -1.9588069
Round7668-----squared error: 3.9131 parameter: [18.398 9 -0.16262106]	0.6750877 -1.9588074
Round7669-----squared error: 3.9131 parameter: [18.398 3 -0.16262097]	0.6750871 -1.9588080
Round7670-----squared error: 3.9131 parameter: [18.398 8 -0.16262088]	0.6750865 -1.9588085
Round7671-----squared error: 3.9131 parameter: [18.398 2 -0.16262079]	0.6750859 -1.9588091
Round7672-----squared error: 3.9131 parameter: [18.398 6 -0.1626207]	0.6750853 -1.9588096
Round7673-----squared error: 3.9131 parameter: [18.398 -0.16262061]	0.6750847 -1.9588102
Round7674-----squared error: 3.9131 parameter: [18.398 5 -0.16262052]	0.67508411 -1.9588107
Round7675-----squared error: 3.9131 parameter: [18.398 9 -0.16262042]	0.67508351 -1.9588112
Round7676-----squared error: 3.9131 parameter: [18.398 3 -0.16262033]	0.67508291 -1.9588118
Round7677-----squared error: 3.9131 parameter: [18.398 7 -0.16262024]	0.67508232 -1.9588123
Round7678-----squared error: 3.9131 parameter: [18.398 1 -0.16262015]	0.67508172 -1.9588129
Round7679-----squared error: 3.9131 parameter: [18.398 4 -0.16262006]	0.67508113 -1.9588134
Round7680-----squared error: 3.9131 parameter: [18.398 8 -0.16261997]	0.67508053 -1.9588139

Round7681-----squared error: 3.9131 parameter: [18.398 2 -0.16261988]	0.67507994 -1.9588145
Round7682-----squared error: 3.9131 parameter: [18.398 6 -0.16261979]	0.67507935 -1.9588150
Round7683-----squared error: 3.9131 parameter: [18.398 9 -0.1626197]	0.67507875 -1.9588155
Round7684-----squared error: 3.9131 parameter: [18.398 3 -0.16261961]	0.67507816 -1.9588161
Round7685-----squared error: 3.9131 parameter: [18.398 6 -0.16261952]	0.67507757 -1.9588166
Round7686-----squared error: 3.9131 parameter: [18.398 -0.16261943]	0.67507698 -1.9588172
Round7687-----squared error: 3.9131 parameter: [18.398 3 -0.16261934]	0.67507639 -1.9588177
Round7688-----squared error: 3.9131 parameter: [18.398 7 -0.16261925]	0.6750758 -1.9588182
Round7689-----squared error: 3.9131 parameter: [18.398 -0.16261916]	0.67507521 -1.9588188
Round7690-----squared error: 3.9131 parameter: [18.398 3 -0.16261907]	0.67507462 -1.9588193
Round7691-----squared error: 3.9131 parameter: [18.398 7 -0.16261898]	0.67507403 -1.9588198
Round7692-----squared error: 3.9131 parameter: [18.398 -0.16261889]	0.67507344 -1.9588204
Round7693-----squared error: 3.9131 parameter: [18.398 3 -0.1626188]	0.67507286 -1.9588209
Round7694-----squared error: 3.9131 parameter: [18.398 6 -0.16261871]	0.67507227 -1.9588214
Round7695-----squared error: 3.9131 parameter: [18.398 9 -0.16261862]	0.67507169 -1.9588219
Round7696-----squared error: 3.9131 parameter: [18.398 2 -0.16261853]	0.6750711 -1.9588225
Round7697-----squared error: 3.9131 parameter: [18.398 5 -0.16261844]	0.67507052 -1.9588230
Round7698-----squared error: 3.9131 parameter: [18.398 8 -0.16261835]	0.67506993 -1.9588235
Round7699-----squared error: 3.9131 parameter: [18.398 1 -0.16261826]	0.67506935 -1.9588241
Round7700-----squared error: 3.9131 parameter: [18.398 3 -0.16261817]	0.67506877 -1.9588246
Round7701-----squared error: 3.9131 parameter: [18.398 6 -0.16261808]	0.67506818 -1.9588251
Round7702-----squared error: 3.9131 parameter: [18.398 9 -0.16261799]	0.6750676 -1.9588256
Round7703-----squared error: 3.9131 parameter: [18.398 1 -0.1626179]	0.67506702 -1.9588262
Round7704-----squared error: 3.9131 parameter: [18.398 4 -0.16261782]	0.67506644 -1.9588267
Round7705-----squared error: 3.9131 parameter: [18.398 7 -0.16261773]	0.67506586 -1.9588272
Round7706-----squared error: 3.9131 parameter: [18.398 9 -0.16261764]	0.67506528 -1.9588277
Round7707-----squared error: 3.9131 parameter: [18.398 1 -0.16261755]	0.6750647 -1.9588283
Round7708-----squared error: 3.9131 parameter: [18.398 4 -0.16261746]	0.67506412 -1.9588288
Round7709-----squared error: 3.9131 parameter: [18.398 6 -0.16261737]	0.67506354 -1.9588293
Round7710-----squared error: 3.9131 parameter: [18.398 8 -0.16261729]	0.67506297 -1.9588298
Round7711-----squared error: 3.9131 parameter: [18.398 1 -0.1626172]	0.67506239 -1.9588304
Round7712-----squared error: 3.9131 parameter: [18.398 3 -0.16261711]	0.67506181 -1.9588309

Round7713-----squared error: 3.9131 parameter: [18.398 5 -0.16261702]	0.67506124 -1.9588314
Round7714-----squared error: 3.9131 parameter: [18.398 7 -0.16261693]	0.67506066 -1.9588319
Round7715-----squared error: 3.9131 parameter: [18.398 9 -0.16261685]	0.67506009 -1.9588324
Round7716-----squared error: 3.9131 parameter: [18.398 1 -0.16261676]	0.67505951 -1.9588330
Round7717-----squared error: 3.9131 parameter: [18.398 3 -0.16261667]	0.67505894 -1.9588335
Round7718-----squared error: 3.9131 parameter: [18.398 5 -0.16261658]	0.67505837 -1.9588340
Round7719-----squared error: 3.9131 parameter: [18.398 7 -0.1626165]	0.67505779 -1.9588345
Round7720-----squared error: 3.9131 parameter: [18.398 8 -0.16261641]	0.67505722 -1.9588350
Round7721-----squared error: 3.9131 parameter: [18.398 -0.16261632]	0.67505665 -1.9588356
Round7722-----squared error: 3.9131 parameter: [18.398 2 -0.16261623]	0.67505608 -1.9588361
Round7723-----squared error: 3.9131 parameter: [18.398 3 -0.16261615]	0.67505551 -1.9588366
Round7724-----squared error: 3.9131 parameter: [18.398 5 -0.16261606]	0.67505494 -1.9588371
Round7725-----squared error: 3.9131 parameter: [18.398 7 -0.16261597]	0.67505437 -1.9588376
Round7726-----squared error: 3.9131 parameter: [18.398 8 -0.16261589]	0.6750538 -1.9588381
Round7727-----squared error: 3.9131 parameter: [18.398 9 -0.1626158]	0.67505324 -1.9588386
Round7728-----squared error: 3.9131 parameter: [18.398 1 -0.16261571]	0.67505267 -1.9588392
Round7729-----squared error: 3.9131 parameter: [18.398 2 -0.16261563]	0.6750521 -1.9588397
Round7730-----squared error: 3.9131 parameter: [18.398 3 -0.16261554]	0.67505153 -1.9588402
Round7731-----squared error: 3.9131 parameter: [18.398 5 -0.16261545]	0.67505097 -1.9588407
Round7732-----squared error: 3.9131 parameter: [18.398 6 -0.16261537]	0.6750504 -1.9588412
Round7733-----squared error: 3.9131 parameter: [18.398 7 -0.16261528]	0.67504984 -1.9588417
Round7734-----squared error: 3.9131 parameter: [18.398 8 -0.16261519]	0.67504927 -1.9588422
Round7735-----squared error: 3.9131 parameter: [18.398 9 -0.16261511]	0.67504871 -1.9588427
Round7736-----squared error: 3.9131 parameter: [18.398 -0.16261502]	0.67504815 -1.9588433
Round7737-----squared error: 3.9131 parameter: [18.398 1 -0.16261494]	0.67504759 -1.9588438
Round7738-----squared error: 3.9131 parameter: [18.398 2 -0.16261485]	0.67504702 -1.9588443
Round7739-----squared error: 3.9131 parameter: [18.398 3 -0.16261476]	0.67504646 -1.9588448
Round7740-----squared error: 3.9131 parameter: [18.398 3 -0.16261468]	0.6750459 -1.9588453
Round7741-----squared error: 3.9131 parameter: [18.398 4 -0.16261459]	0.67504534 -1.9588458
Round7742-----squared error: 3.9131 parameter: [18.398 5 -0.16261451]	0.67504478 -1.9588463
Round7743-----squared error: 3.9131 parameter: [18.398 5 -0.16261442]	0.67504422 -1.9588468
Round7744-----squared error: 3.9131 parameter: [18.398 6 -0.16261434]	0.67504366 -1.9588473

Round7745-----squared error: 3.9131 parameter: [18.398 7 -0.16261425]	0.6750431 -1.9588478
Round7746-----squared error: 3.9131 parameter: [18.398 7 -0.16261417]	0.67504255 -1.9588483
Round7747-----squared error: 3.9131 parameter: [18.398 8 -0.16261408]	0.67504199 -1.9588488
Round7748-----squared error: 3.9131 parameter: [18.398 8 -0.162614]	0.67504143 -1.9588493
Round7749-----squared error: 3.9131 parameter: [18.398 8 -0.16261391]	0.67504088 -1.9588498
Round7750-----squared error: 3.9131 parameter: [18.398 9 -0.16261383]	0.67504032 -1.9588503
Round7751-----squared error: 3.9131 parameter: [18.398 9 -0.16261374]	0.67503977 -1.9588508
Round7752-----squared error: 3.9131 parameter: [18.398 9 -0.16261366]	0.67503921 -1.9588513
Round7753-----squared error: 3.9131 parameter: [18.398 9 -0.16261357]	0.67503866 -1.9588518
Round7754-----squared error: 3.9131 parameter: [18.398 9 -0.16261349]	0.6750381 -1.9588523
Round7755-----squared error: 3.9131 parameter: [18.398 9 -0.1626134]	0.67503755 -1.9588528
Round7756-----squared error: 3.9131 parameter: [18.398 9 -0.16261332]	0.675037 -1.9588533
Round7757-----squared error: 3.9131 parameter: [18.398 9 -0.16261323]	0.67503645 -1.9588538
Round7758-----squared error: 3.9131 parameter: [18.398 9 -0.16261315]	0.6750359 -1.9588543
Round7759-----squared error: 3.9131 parameter: [18.398 9 -0.16261307]	0.67503535 -1.9588548
Round7760-----squared error: 3.9131 parameter: [18.398 9 -0.16261298]	0.67503479 -1.9588553
Round7761-----squared error: 3.9131 parameter: [18.398 9 -0.1626129]	0.67503425 -1.9588558
Round7762-----squared error: 3.9131 parameter: [18.398 8 -0.16261281]	0.6750337 -1.9588563
Round7763-----squared error: 3.9131 parameter: [18.398 8 -0.16261273]	0.67503315 -1.9588568
Round7764-----squared error: 3.9131 parameter: [18.398 8 -0.16261265]	0.6750326 -1.9588573
Round7765-----squared error: 3.9131 parameter: [18.398 7 -0.16261256]	0.67503205 -1.9588578
Round7766-----squared error: 3.9131 parameter: [18.398 7 -0.16261248]	0.6750315 -1.9588583
Round7767-----squared error: 3.9131 parameter: [18.398 6 -0.1626124]	0.67503096 -1.9588588
Round7768-----squared error: 3.9131 parameter: [18.398 6 -0.16261231]	0.67503041 -1.9588593
Round7769-----squared error: 3.9131 parameter: [18.398 5 -0.16261223]	0.67502987 -1.9588598
Round7770-----squared error: 3.9131 parameter: [18.398 4 -0.16261215]	0.67502932 -1.9588603
Round7771-----squared error: 3.9131 parameter: [18.398 4 -0.16261206]	0.67502878 -1.9588608
Round7772-----squared error: 3.9131 parameter: [18.398 3 -0.16261198]	0.67502823 -1.9588613
Round7773-----squared error: 3.9131 parameter: [18.398 2 -0.1626119]	0.67502769 -1.9588618
Round7774-----squared error: 3.9131 parameter: [18.398 1 -0.16261181]	0.67502715 -1.9588623
Round7775-----squared error: 3.9131 parameter: [18.398 -0.16261173]	0.6750266 -1.9588628
Round7776-----squared error: 3.9131 parameter: [18.398 9 -0.16261165]	0.67502606 -1.9588632

Round7777-----squared error: 3.9131 parameter: [18.398 8 -0.16261157]	0.67502552 -1.9588637
Round7778-----squared error: 3.9131 parameter: [18.398 7 -0.16261148]	0.67502498 -1.9588642
Round7779-----squared error: 3.9131 parameter: [18.398 6 -0.1626114]	0.67502444 -1.9588647
Round7780-----squared error: 3.9131 parameter: [18.398 5 -0.16261132]	0.6750239 -1.9588652
Round7781-----squared error: 3.9131 parameter: [18.398 4 -0.16261124]	0.67502336 -1.9588657
Round7782-----squared error: 3.9131 parameter: [18.398 3 -0.16261115]	0.67502282 -1.9588662
Round7783-----squared error: 3.9131 parameter: [18.398 1 -0.16261107]	0.67502228 -1.9588667
Round7784-----squared error: 3.9131 parameter: [18.398 -0.16261099]	0.67502175 -1.9588672
Round7785-----squared error: 3.9131 parameter: [18.398 9 -0.16261091]	0.67502121 -1.9588676
Round7786-----squared error: 3.9131 parameter: [18.398 7 -0.16261083]	0.67502067 -1.9588681
Round7787-----squared error: 3.9131 parameter: [18.398 6 -0.16261074]	0.67502014 -1.9588686
Round7788-----squared error: 3.9131 parameter: [18.398 4 -0.16261066]	0.6750196 -1.9588691
Round7789-----squared error: 3.9131 parameter: [18.398 3 -0.16261058]	0.67501907 -1.9588696
Round7790-----squared error: 3.9131 parameter: [18.398 1 -0.1626105]	0.67501853 -1.9588701
Round7791-----squared error: 3.9131 parameter: [18.398 9 -0.16261042]	0.675018 -1.9588705
Round7792-----squared error: 3.9131 parameter: [18.398 8 -0.16261034]	0.67501746 -1.9588710
Round7793-----squared error: 3.9131 parameter: [18.398 6 -0.16261025]	0.67501693 -1.9588715
Round7794-----squared error: 3.9131 parameter: [18.398 4 -0.16261017]	0.6750164 -1.9588720
Round7795-----squared error: 3.9131 parameter: [18.398 2 -0.16261009]	0.67501587 -1.9588725
Round7796-----squared error: 3.9131 parameter: [18.398 1 -0.16261001]	0.67501534 -1.9588730
Round7797-----squared error: 3.9131 parameter: [18.398 9 -0.16260993]	0.6750148 -1.9588734
Round7798-----squared error: 3.9131 parameter: [18.398 7 -0.16260985]	0.67501427 -1.9588739
Round7799-----squared error: 3.9131 parameter: [18.398 5 -0.16260977]	0.67501374 -1.9588744
Round7800-----squared error: 3.9131 parameter: [18.398 3 -0.16260969]	0.67501321 -1.9588749
Round7801-----squared error: 3.9131 parameter: [18.398 -0.16260961]	0.67501269 -1.9588754
Round7802-----squared error: 3.9131 parameter: [18.398 8 -0.16260952]	0.67501216 -1.9588758
Round7803-----squared error: 3.9131 parameter: [18.398 6 -0.16260944]	0.67501163 -1.9588763
Round7804-----squared error: 3.9131 parameter: [18.398 4 -0.16260936]	0.6750111 -1.9588768
Round7805-----squared error: 3.9131 parameter: [18.398 1 -0.16260928]	0.67501058 -1.9588773
Round7806-----squared error: 3.9131 parameter: [18.398 9 -0.1626092]	0.67501005 -1.9588777
Round7807-----squared error: 3.9131 parameter: [18.398 7 -0.16260912]	0.67500952 -1.9588782
Round7808-----squared error: 3.9131 parameter: [18.398 4 -0.16260904]	0.675009 -1.9588787

Round7809-----squared error: 3.9131 parameter: [18.398 2 -0.16260896]	0.67500847 -1.9588792
Round7810-----squared error: 3.9131 parameter: [18.398 9 -0.16260888]	0.67500795 -1.9588796
Round7811-----squared error: 3.9131 parameter: [18.398 7 -0.1626088]	0.67500742 -1.9588801
Round7812-----squared error: 3.9131 parameter: [18.398 4 -0.16260872]	0.6750069 -1.9588806
Round7813-----squared error: 3.9131 parameter: [18.398 1 -0.16260864]	0.67500638 -1.9588811
Round7814-----squared error: 3.9131 parameter: [18.398 9 -0.16260856]	0.67500586 -1.9588815
Round7815-----squared error: 3.9131 parameter: [18.398 6 -0.16260848]	0.67500533 -1.9588820
Round7816-----squared error: 3.9131 parameter: [18.398 3 -0.1626084]	0.67500481 -1.9588825
Round7817-----squared error: 3.9131 parameter: [18.398 -0.16260832]	0.67500429 -1.958883
Round7818-----squared error: 3.9131 parameter: [18.398 7 -0.16260824]	0.67500377 -1.9588834
Round7819-----squared error: 3.9131 parameter: [18.398 4 -0.16260816]	0.67500325 -1.9588839
Round7820-----squared error: 3.9131 parameter: [18.398 1 -0.16260808]	0.67500273 -1.9588844
Round7821-----squared error: 3.9131 parameter: [18.398 8 -0.16260801]	0.67500221 -1.9588848
Round7822-----squared error: 3.9131 parameter: [18.398 5 -0.16260793]	0.6750017 -1.9588853
Round7823-----squared error: 3.9131 parameter: [18.398 2 -0.16260785]	0.67500118 -1.9588858
Round7824-----squared error: 3.9131 parameter: [18.398 9 -0.16260777]	0.67500066 -1.9588862
Round7825-----squared error: 3.9131 parameter: [18.398 6 -0.16260769]	0.67500014 -1.9588867
Round7826-----squared error: 3.9131 parameter: [18.398 3 -0.16260761]	0.67499963 -1.9588872
Round7827-----squared error: 3.9131 parameter: [18.398 9 -0.16260753]	0.67499911 -1.9588876
Round7828-----squared error: 3.9131 parameter: [18.398 6 -0.16260745]	0.6749986 -1.9588881
Round7829-----squared error: 3.9131 parameter: [18.398 3 -0.16260737]	0.67499808 -1.9588886
Round7830-----squared error: 3.9131 parameter: [18.398 9 -0.1626073]	0.67499757 -1.9588890
Round7831-----squared error: 3.9131 parameter: [18.398 6 -0.16260722]	0.67499705 -1.9588895
Round7832-----squared error: 3.9131 parameter: [18.398 2 -0.16260714]	0.67499654 -1.9588900
Round7833-----squared error: 3.9131 parameter: [18.398 9 -0.16260706]	0.67499603 -1.9588904
Round7834-----squared error: 3.9131 parameter: [18.398 5 -0.16260698]	0.67499551 -1.9588909
Round7835-----squared error: 3.9131 parameter: [18.398 1 -0.1626069]	0.674995 -1.9588914
Round7836-----squared error: 3.9131 parameter: [18.398 8 -0.16260683]	0.67499449 -1.9588918
Round7837-----squared error: 3.9131 parameter: [18.398 4 -0.16260675]	0.67499398 -1.9588923
Round7838-----squared error: 3.9131 parameter: [18.398 -0.16260667]	0.67499347 -1.9588928
Round7839-----squared error: 3.9131 parameter: [18.398 6 -0.16260659]	0.67499296 -1.9588932
Round7840-----squared error: 3.9131 parameter: [18.398 2 -0.16260651]	0.67499245 -1.9588937

Round7841-----squared error: 3.9131 parameter: [18.398 8 -0.16260644]	0.67499194 -1.9588941
Round7842-----squared error: 3.9131 parameter: [18.398 4 -0.16260636]	0.67499143 -1.9588946
Round7843-----squared error: 3.9131 parameter: [18.398 -0.16260628]	0.67499092 -1.9588951
Round7844-----squared error: 3.9131 parameter: [18.398 6 -0.1626062]	0.67499042 -1.9588955
Round7845-----squared error: 3.9131 parameter: [18.398 2 -0.16260613]	0.67498991 -1.9588960
Round7846-----squared error: 3.9131 parameter: [18.398 8 -0.16260605]	0.6749894 -1.9588964
Round7847-----squared error: 3.9131 parameter: [18.398 4 -0.16260597]	0.6749889 -1.9588969
Round7848-----squared error: 3.9131 parameter: [18.398 -0.16260589]	0.67498839 -1.9588974
Round7849-----squared error: 3.9131 parameter: [18.398 5 -0.16260582]	0.67498789 -1.9588978
Round7850-----squared error: 3.9131 parameter: [18.398 1 -0.16260574]	0.67498738 -1.9588983
Round7851-----squared error: 3.9131 parameter: [18.398 7 -0.16260566]	0.67498688 -1.9588987
Round7852-----squared error: 3.9131 parameter: [18.398 2 -0.16260559]	0.67498638 -1.9588992
Round7853-----squared error: 3.9131 parameter: [18.398 8 -0.16260551]	0.67498587 -1.9588996
Round7854-----squared error: 3.9131 parameter: [18.398 3 -0.16260543]	0.67498537 -1.9589001
Round7855-----squared error: 3.9131 parameter: [18.398 9 -0.16260536]	0.67498487 -1.9589005
Round7856-----squared error: 3.9131 parameter: [18.398 4 -0.16260528]	0.67498437 -1.9589010
Round7857-----squared error: 3.9131 parameter: [18.398 -0.1626052]	0.67498386 -1.9589015
Round7858-----squared error: 3.9131 parameter: [18.398 5 -0.16260513]	0.67498336 -1.9589019
Round7859-----squared error: 3.9131 parameter: [18.398 -0.16260505]	0.67498286 -1.9589024
Round7860-----squared error: 3.9131 parameter: [18.398 5 -0.16260497]	0.67498236 -1.9589028
Round7861-----squared error: 3.9131 parameter: [18.398 1 -0.1626049]	0.67498187 -1.9589033
Round7862-----squared error: 3.9131 parameter: [18.398 6 -0.16260482]	0.67498137 -1.9589037
Round7863-----squared error: 3.9131 parameter: [18.398 1 -0.16260475]	0.67498087 -1.9589042
Round7864-----squared error: 3.9131 parameter: [18.398 6 -0.16260467]	0.67498037 -1.9589046
Round7865-----squared error: 3.9131 parameter: [18.398 1 -0.16260459]	0.67497987 -1.9589051
Round7866-----squared error: 3.9131 parameter: [18.398 6 -0.16260452]	0.67497938 -1.9589055
Round7867-----squared error: 3.9131 parameter: [18.398 1 -0.16260444]	0.67497888 -1.9589060
Round7868-----squared error: 3.9131 parameter: [18.398 6 -0.16260437]	0.67497838 -1.9589064
Round7869-----squared error: 3.9131 parameter: [18.398 1 -0.16260429]	0.67497789 -1.9589069
Round7870-----squared error: 3.9131 parameter: [18.398 5 -0.16260421]	0.67497739 -1.9589073
Round7871-----squared error: 3.9131 parameter: [18.398 -0.16260414]	0.6749769 -1.9589078
Round7872-----squared error: 3.9131 parameter: [18.398 5 -0.16260406]	0.67497641 -1.9589082

Round7873-----squared error: 3.9131 parameter: [18.398 -0.16260399]	0.67497591 -1.9589087
Round7874-----squared error: 3.9131 parameter: [18.398 4 -0.16260391]	0.67497542 -1.9589091
Round7875-----squared error: 3.9131 parameter: [18.398 9 -0.16260384]	0.67497493 -1.9589095
Round7876-----squared error: 3.9131 parameter: [18.398 3 -0.16260376]	0.67497443 -1.9589100
Round7877-----squared error: 3.9131 parameter: [18.398 8 -0.16260369]	0.67497394 -1.9589104
Round7878-----squared error: 3.9131 parameter: [18.398 2 -0.16260361]	0.67497345 -1.9589109
Round7879-----squared error: 3.9131 parameter: [18.398 7 -0.16260354]	0.67497296 -1.9589113
Round7880-----squared error: 3.9131 parameter: [18.398 1 -0.16260346]	0.67497247 -1.9589118
Round7881-----squared error: 3.9131 parameter: [18.398 5 -0.16260339]	0.67497198 -1.9589122
Round7882-----squared error: 3.9131 parameter: [18.398 -0.16260331]	0.67497149 -1.9589127
Round7883-----squared error: 3.9131 parameter: [18.398 4 -0.16260324]	0.674971 -1.9589131
Round7884-----squared error: 3.9131 parameter: [18.398 8 -0.16260316]	0.67497051 -1.9589135
Round7885-----squared error: 3.9131 parameter: [18.398 2 -0.16260309]	0.67497003 -1.9589140
Round7886-----squared error: 3.9131 parameter: [18.398 6 -0.16260301]	0.67496954 -1.9589144
Round7887-----squared error: 3.9131 parameter: [18.398 -0.16260294]	0.67496905 -1.9589149
Round7888-----squared error: 3.9131 parameter: [18.398 5 -0.16260287]	0.67496857 -1.9589153
Round7889-----squared error: 3.9131 parameter: [18.398 9 -0.16260279]	0.67496808 -1.9589157
Round7890-----squared error: 3.9131 parameter: [18.398 2 -0.16260272]	0.6749676 -1.9589162
Round7891-----squared error: 3.9131 parameter: [18.398 6 -0.16260264]	0.67496711 -1.9589166
Round7892-----squared error: 3.9131 parameter: [18.398 -0.16260257]	0.67496663 -1.9589171
Round7893-----squared error: 3.9131 parameter: [18.398 4 -0.1626025]	0.67496614 -1.9589175
Round7894-----squared error: 3.9131 parameter: [18.398 8 -0.16260242]	0.67496566 -1.9589179
Round7895-----squared error: 3.9131 parameter: [18.398 2 -0.16260235]	0.67496517 -1.9589184
Round7896-----squared error: 3.9131 parameter: [18.398 5 -0.16260227]	0.67496469 -1.9589188
Round7897-----squared error: 3.9131 parameter: [18.398 9 -0.1626022]	0.67496421 -1.9589192
Round7898-----squared error: 3.9131 parameter: [18.398 3 -0.16260213]	0.67496373 -1.9589197
Round7899-----squared error: 3.9131 parameter: [18.398 6 -0.16260205]	0.67496325 -1.9589201
Round7900-----squared error: 3.9131 parameter: [18.398 -0.16260198]	0.67496277 -1.9589206
Round7901-----squared error: 3.9131 parameter: [18.398 3 -0.16260191]	0.67496229 -1.9589210
Round7902-----squared error: 3.9131 parameter: [18.398 7 -0.16260183]	0.67496181 -1.9589214
Round7903-----squared error: 3.9131 parameter: [18.398 -0.16260176]	0.67496133 -1.9589219
Round7904-----squared error: 3.9131 parameter: [18.398 3 -0.16260169]	0.67496085 -1.9589223

Round7905-----squared error: 3.9131 parameter: [18.398 7 -0.16260161]	0.67496037 -1.9589227
Round7906-----squared error: 3.9131 parameter: [18.398 -0.16260154]	0.67495989 -1.9589232
Round7907-----squared error: 3.9131 parameter: [18.398 3 -0.16260147]	0.67495941 -1.9589236
Round7908-----squared error: 3.9131 parameter: [18.398 6 -0.16260139]	0.67495894 -1.9589240
Round7909-----squared error: 3.9131 parameter: [18.398 -0.16260132]	0.67495846 -1.9589245
Round7910-----squared error: 3.9131 parameter: [18.398 3 -0.16260125]	0.67495798 -1.9589249
Round7911-----squared error: 3.9131 parameter: [18.398 6 -0.16260118]	0.67495751 -1.9589253
Round7912-----squared error: 3.9131 parameter: [18.398 9 -0.1626011]	0.67495703 -1.9589257
Round7913-----squared error: 3.9131 parameter: [18.398 2 -0.16260103]	0.67495656 -1.9589262
Round7914-----squared error: 3.9131 parameter: [18.398 5 -0.16260096]	0.67495608 -1.9589266
Round7915-----squared error: 3.9131 parameter: [18.398 8 -0.16260089]	0.67495561 -1.9589270
Round7916-----squared error: 3.9131 parameter: [18.398 -0.16260081]	0.67495514 -1.9589275
Round7917-----squared error: 3.9131 parameter: [18.398 3 -0.16260074]	0.67495466 -1.9589279
Round7918-----squared error: 3.9131 parameter: [18.398 6 -0.16260067]	0.67495419 -1.9589283
Round7919-----squared error: 3.9131 parameter: [18.398 9 -0.1626006]	0.67495372 -1.9589287
Round7920-----squared error: 3.9131 parameter: [18.398 1 -0.16260053]	0.67495325 -1.9589292
Round7921-----squared error: 3.9131 parameter: [18.398 4 -0.16260045]	0.67495278 -1.9589296
Round7922-----squared error: 3.9131 parameter: [18.398 7 -0.16260038]	0.6749523 -1.9589300
Round7923-----squared error: 3.9131 parameter: [18.398 9 -0.16260031]	0.67495183 -1.9589304
Round7924-----squared error: 3.9131 parameter: [18.398 2 -0.16260024]	0.67495136 -1.9589309
Round7925-----squared error: 3.9131 parameter: [18.398 4 -0.16260017]	0.6749509 -1.9589313
Round7926-----squared error: 3.9131 parameter: [18.398 7 -0.16260009]	0.67495043 -1.9589317
Round7927-----squared error: 3.9131 parameter: [18.398 9 -0.16260002]	0.67494996 -1.9589321
Round7928-----squared error: 3.9131 parameter: [18.398 2 -0.16259995]	0.67494949 -1.9589326
Round7929-----squared error: 3.9131 parameter: [18.398 4 -0.16259988]	0.67494902 -1.9589330
Round7930-----squared error: 3.9131 parameter: [18.398 6 -0.16259981]	0.67494856 -1.9589334
Round7931-----squared error: 3.9131 parameter: [18.398 8 -0.16259974]	0.67494809 -1.9589338
Round7932-----squared error: 3.9131 parameter: [18.398 1 -0.16259967]	0.67494762 -1.9589343
Round7933-----squared error: 3.9131 parameter: [18.398 3 -0.1625996]	0.67494716 -1.9589347
Round7934-----squared error: 3.9131 parameter: [18.398 5 -0.16259952]	0.67494669 -1.9589351
Round7935-----squared error: 3.9131 parameter: [18.398 7 -0.16259945]	0.67494623 -1.9589355
Round7936-----squared error: 3.9131 parameter: [18.398 9 -0.16259938]	0.67494576 -1.9589359

Round7937-----squared error: 3.9131 parameter: [18.398 1 -0.16259931]	0.6749453 -1.9589364
Round7938-----squared error: 3.9131 parameter: [18.398 3 -0.16259924]	0.67494483 -1.9589368
Round7939-----squared error: 3.9131 parameter: [18.398 5 -0.16259917]	0.67494437 -1.9589372
Round7940-----squared error: 3.9131 parameter: [18.398 7 -0.1625991]	0.67494391 -1.9589376
Round7941-----squared error: 3.9131 parameter: [18.398 9 -0.16259903]	0.67494345 -1.9589380
Round7942-----squared error: 3.9131 parameter: [18.398 -0.16259896]	0.67494299 -1.9589385
Round7943-----squared error: 3.9131 parameter: [18.398 2 -0.16259889]	0.67494252 -1.9589389
Round7944-----squared error: 3.9131 parameter: [18.398 4 -0.16259882]	0.67494206 -1.9589393
Round7945-----squared error: 3.9131 parameter: [18.398 6 -0.16259875]	0.6749416 -1.9589397
Round7946-----squared error: 3.9131 parameter: [18.398 7 -0.16259868]	0.67494114 -1.9589401
Round7947-----squared error: 3.9131 parameter: [18.398 9 -0.16259861]	0.67494068 -1.9589405
Round7948-----squared error: 3.9131 parameter: [18.398 -0.16259854]	0.67494022 -1.958941
Round7949-----squared error: 3.9131 parameter: [18.398 2 -0.16259847]	0.67493977 -1.9589414
Round7950-----squared error: 3.9131 parameter: [18.398 3 -0.1625984]	0.67493931 -1.9589418
Round7951-----squared error: 3.9131 parameter: [18.398 5 -0.16259833]	0.67493885 -1.9589422
Round7952-----squared error: 3.9131 parameter: [18.398 6 -0.16259826]	0.67493839 -1.9589426
Round7953-----squared error: 3.9131 parameter: [18.398 8 -0.16259819]	0.67493794 -1.9589430
Round7954-----squared error: 3.9131 parameter: [18.398 9 -0.16259812]	0.67493748 -1.9589434
Round7955-----squared error: 3.9131 parameter: [18.398 -0.16259805]	0.67493702 -1.9589439
Round7956-----squared error: 3.9131 parameter: [18.398 1 -0.16259798]	0.67493657 -1.9589443
Round7957-----squared error: 3.9131 parameter: [18.398 3 -0.16259791]	0.67493611 -1.9589447
Round7958-----squared error: 3.9131 parameter: [18.398 4 -0.16259784]	0.67493566 -1.9589451
Round7959-----squared error: 3.9131 parameter: [18.398 5 -0.16259777]	0.6749352 -1.9589455
Round7960-----squared error: 3.9131 parameter: [18.398 6 -0.1625977]	0.67493475 -1.9589459
Round7961-----squared error: 3.9131 parameter: [18.398 7 -0.16259763]	0.6749343 -1.9589463
Round7962-----squared error: 3.9131 parameter: [18.398 8 -0.16259756]	0.67493384 -1.9589467
Round7963-----squared error: 3.9131 parameter: [18.398 9 -0.16259749]	0.67493339 -1.9589471
Round7964-----squared error: 3.9131 parameter: [18.398 -0.16259742]	0.67493294 -1.9589476
Round7965-----squared error: 3.9131 parameter: [18.398 1 -0.16259735]	0.67493249 -1.9589480
Round7966-----squared error: 3.9131 parameter: [18.398 2 -0.16259729]	0.67493204 -1.9589484
Round7967-----squared error: 3.9131 parameter: [18.398 2 -0.16259722]	0.67493159 -1.9589488
Round7968-----squared error: 3.9131 parameter: [18.398 3 -0.16259715]	0.67493113 -1.9589492

Round7969-----squared error: 3.9131 parameter: [18.398 4 -0.16259708]	0.67493068 -1.9589496
Round7970-----squared error: 3.9131 parameter: [18.398 5 -0.16259701]	0.67493024 -1.9589500
Round7971-----squared error: 3.9131 parameter: [18.398 5 -0.16259694]	0.67492979 -1.9589504
Round7972-----squared error: 3.9131 parameter: [18.398 6 -0.16259687]	0.67492934 -1.9589508
Round7973-----squared error: 3.9131 parameter: [18.398 7 -0.16259681]	0.67492889 -1.9589512
Round7974-----squared error: 3.9131 parameter: [18.398 7 -0.16259674]	0.67492844 -1.9589516
Round7975-----squared error: 3.9131 parameter: [18.398 8 -0.16259667]	0.67492799 -1.9589520
Round7976-----squared error: 3.9131 parameter: [18.398 8 -0.1625966]	0.67492755 -1.9589524
Round7977-----squared error: 3.9131 parameter: [18.398 8 -0.16259653]	0.6749271 -1.9589528
Round7978-----squared error: 3.9131 parameter: [18.398 9 -0.16259646]	0.67492666 -1.9589532
Round7979-----squared error: 3.9131 parameter: [18.398 9 -0.1625964]	0.67492621 -1.9589536
Round7980-----squared error: 3.9131 parameter: [18.398 9 -0.16259633]	0.67492576 -1.9589540
Round7981-----squared error: 3.9131 parameter: [18.398 -0.16259626]	0.67492532 -1.9589545
Round7982-----squared error: 3.9131 parameter: [18.398 -0.16259619]	0.67492488 -1.9589549
Round7983-----squared error: 3.9131 parameter: [18.398 -0.16259612]	0.67492443 -1.9589553
Round7984-----squared error: 3.9131 parameter: [18.398 -0.16259606]	0.67492399 -1.9589557
Round7985-----squared error: 3.9131 parameter: [18.398 -0.16259599]	0.67492355 -1.9589561
Round7986-----squared error: 3.9131 parameter: [18.398 -0.16259592]	0.6749231 -1.9589565
Round7987-----squared error: 3.9131 parameter: [18.398 -0.16259585]	0.67492266 -1.9589569
Round7988-----squared error: 3.9131 parameter: [18.398 -0.16259579]	0.67492222 -1.9589573
Round7989-----squared error: 3.9131 parameter: [18.398 -0.16259572]	0.67492178 -1.9589577
Round7990-----squared error: 3.9131 parameter: [18.398 -0.16259565]	0.67492134 -1.9589581
Round7991-----squared error: 3.9131 parameter: [18.398 -0.16259558]	0.6749209 -1.9589585
Round7992-----squared error: 3.9131 parameter: [18.398 -0.16259552]	0.67492046 -1.9589589
Round7993-----squared error: 3.9131 parameter: [18.398 -0.16259545]	0.67492002 -1.9589593
Round7994-----squared error: 3.9131 parameter: [18.398 -0.16259538]	0.67491958 -1.9589597
Round7995-----squared error: 3.9131 parameter: [18.398 9 -0.16259532]	0.67491914 -1.9589600
Round7996-----squared error: 3.9131 parameter: [18.398 9 -0.16259525]	0.6749187 -1.9589604
Round7997-----squared error: 3.9131 parameter: [18.398 9 -0.16259518]	0.67491826 -1.9589608
Round7998-----squared error: 3.9131 parameter: [18.398 8 -0.16259511]	0.67491783 -1.9589612
Round7999-----squared error: 3.9131 parameter: [18.398 8 -0.16259505]	0.67491739 -1.9589616
Round8000-----squared error: 3.9131 parameter: [18.398 7 -0.16259498]	0.67491695 -1.9589620

Round8001-----squared error: 3.9131 parameter: [18.398 7 -0.16259491]	0.67491652 -1.9589624
Round8002-----squared error: 3.9131 parameter: [18.398 6 -0.16259485]	0.67491608 -1.9589628
Round8003-----squared error: 3.9131 parameter: [18.398 6 -0.16259478]	0.67491564 -1.9589632
Round8004-----squared error: 3.9131 parameter: [18.398 5 -0.16259472]	0.67491521 -1.9589636
Round8005-----squared error: 3.9131 parameter: [18.398 4 -0.16259465]	0.67491477 -1.9589640
Round8006-----squared error: 3.9131 parameter: [18.398 4 -0.16259458]	0.67491434 -1.9589644
Round8007-----squared error: 3.9131 parameter: [18.398 3 -0.16259452]	0.67491391 -1.9589648
Round8008-----squared error: 3.9131 parameter: [18.398 2 -0.16259445]	0.67491347 -1.9589652
Round8009-----squared error: 3.9131 parameter: [18.398 1 -0.16259438]	0.67491304 -1.9589656
Round8010-----squared error: 3.9131 parameter: [18.398 -0.16259432]	0.67491261 -1.958966
Round8011-----squared error: 3.9131 parameter: [18.398 -0.16259425]	0.67491218 -1.9589664
Round8012-----squared error: 3.9131 parameter: [18.398 9 -0.16259419]	0.67491174 -1.9589667
Round8013-----squared error: 3.9131 parameter: [18.398 8 -0.16259412]	0.67491131 -1.9589671
Round8014-----squared error: 3.9131 parameter: [18.398 7 -0.16259405]	0.67491088 -1.9589675
Round8015-----squared error: 3.9131 parameter: [18.398 6 -0.16259399]	0.67491045 -1.9589679
Round8016-----squared error: 3.9131 parameter: [18.398 5 -0.16259392]	0.67491002 -1.9589683
Round8017-----squared error: 3.9131 parameter: [18.398 3 -0.16259386]	0.67490959 -1.9589687
Round8018-----squared error: 3.9131 parameter: [18.398 2 -0.16259379]	0.67490916 -1.9589691
Round8019-----squared error: 3.9131 parameter: [18.398 1 -0.16259373]	0.67490873 -1.9589695
Round8020-----squared error: 3.9131 parameter: [18.398 -0.16259366]	0.67490831 -1.9589699
Round8021-----squared error: 3.9131 parameter: [18.398 9 -0.1625936]	0.67490788 -1.9589702
Round8022-----squared error: 3.9131 parameter: [18.398 7 -0.16259353]	0.67490745 -1.9589706
Round8023-----squared error: 3.9131 parameter: [18.398 6 -0.16259347]	0.67490702 -1.9589710
Round8024-----squared error: 3.9131 parameter: [18.398 5 -0.1625934]	0.6749066 -1.9589714
Round8025-----squared error: 3.9131 parameter: [18.398 3 -0.16259333]	0.67490617 -1.9589718
Round8026-----squared error: 3.9131 parameter: [18.398 2 -0.16259327]	0.67490575 -1.9589722
Round8027-----squared error: 3.9131 parameter: [18.398 -0.1625932]	0.67490532 -1.9589726
Round8028-----squared error: 3.9131 parameter: [18.398 9 -0.16259314]	0.67490489 -1.9589729
Round8029-----squared error: 3.9131 parameter: [18.398 7 -0.16259307]	0.67490447 -1.9589733
Round8030-----squared error: 3.9131 parameter: [18.398 6 -0.16259301]	0.67490405 -1.9589737
Round8031-----squared error: 3.9131 parameter: [18.398 4 -0.16259295]	0.67490362 -1.9589741
Round8032-----squared error: 3.9131 parameter: [18.398 2 -0.16259288]	0.6749032 -1.9589745

Round8033-----squared error: 3.9131 parameter: [18.398 1 -0.16259282]	0.67490278 -1.9589749
Round8034-----squared error: 3.9131 parameter: [18.398 9 -0.16259275]	0.67490235 -1.9589752
Round8035-----squared error: 3.9131 parameter: [18.398 7 -0.16259269]	0.67490193 -1.9589756
Round8036-----squared error: 3.9131 parameter: [18.398 5 -0.16259262]	0.67490151 -1.9589760
Round8037-----squared error: 3.9131 parameter: [18.398 3 -0.16259256]	0.67490109 -1.9589764
Round8038-----squared error: 3.9131 parameter: [18.398 2 -0.16259249]	0.67490067 -1.9589768
Round8039-----squared error: 3.9131 parameter: [18.398 -0.16259243]	0.67490025 -1.9589772
Round8040-----squared error: 3.9131 parameter: [18.398 8 -0.16259237]	0.67489983 -1.9589775
Round8041-----squared error: 3.9131 parameter: [18.398 6 -0.1625923]	0.67489941 -1.9589779
Round8042-----squared error: 3.9131 parameter: [18.398 4 -0.16259224]	0.67489899 -1.9589783
Round8043-----squared error: 3.9131 parameter: [18.398 2 -0.16259217]	0.67489857 -1.9589787
Round8044-----squared error: 3.9131 parameter: [18.398 9 -0.16259211]	0.67489815 -1.9589790
Round8045-----squared error: 3.9131 parameter: [18.398 7 -0.16259205]	0.67489773 -1.9589794
Round8046-----squared error: 3.9131 parameter: [18.398 5 -0.16259198]	0.67489731 -1.9589798
Round8047-----squared error: 3.9131 parameter: [18.398 3 -0.16259192]	0.6748969 -1.9589802
Round8048-----squared error: 3.9131 parameter: [18.398 1 -0.16259185]	0.67489648 -1.9589806
Round8049-----squared error: 3.9131 parameter: [18.398 8 -0.16259179]	0.67489606 -1.9589809
Round8050-----squared error: 3.9131 parameter: [18.398 6 -0.16259173]	0.67489565 -1.9589813
Round8051-----squared error: 3.9131 parameter: [18.398 4 -0.16259166]	0.67489523 -1.9589817
Round8052-----squared error: 3.9131 parameter: [18.398 1 -0.1625916]	0.67489482 -1.9589821
Round8053-----squared error: 3.9131 parameter: [18.398 9 -0.16259154]	0.6748944 -1.9589824
Round8054-----squared error: 3.9131 parameter: [18.398 6 -0.16259147]	0.67489399 -1.9589828
Round8055-----squared error: 3.9131 parameter: [18.398 4 -0.16259141]	0.67489357 -1.9589832
Round8056-----squared error: 3.9131 parameter: [18.398 1 -0.16259135]	0.67489316 -1.9589836
Round8057-----squared error: 3.9131 parameter: [18.398 9 -0.16259128]	0.67489275 -1.9589839
Round8058-----squared error: 3.9131 parameter: [18.398 6 -0.16259122]	0.67489233 -1.9589843
Round8059-----squared error: 3.9131 parameter: [18.398 3 -0.16259116]	0.67489192 -1.9589847
Round8060-----squared error: 3.9131 parameter: [18.398 1 -0.16259109]	0.67489151 -1.9589851
Round8061-----squared error: 3.9131 parameter: [18.398 8 -0.16259103]	0.6748911 -1.9589854
Round8062-----squared error: 3.9131 parameter: [18.398 5 -0.16259097]	0.67489068 -1.9589858
Round8063-----squared error: 3.9131 parameter: [18.398 2 -0.16259091]	0.67489027 -1.9589862
Round8064-----squared error: 3.9131 parameter: [18.398 -0.16259084]	0.67488986 -1.9589866

Round8065-----squared error: 3.9131 parameter: [18.398 7 -0.16259078]	0.67488945 -1.9589869
Round8066-----squared error: 3.9131 parameter: [18.398 4 -0.16259072]	0.67488904 -1.9589873
Round8067-----squared error: 3.9131 parameter: [18.398 1 -0.16259066]	0.67488863 -1.9589877
Round8068-----squared error: 3.9131 parameter: [18.398 8 -0.16259059]	0.67488823 -1.9589880
Round8069-----squared error: 3.9131 parameter: [18.398 5 -0.16259053]	0.67488782 -1.9589884
Round8070-----squared error: 3.9131 parameter: [18.398 2 -0.16259047]	0.67488741 -1.9589888
Round8071-----squared error: 3.9131 parameter: [18.398 9 -0.16259041]	0.674887 -1.9589891
Round8072-----squared error: 3.9131 parameter: [18.398 6 -0.16259034]	0.67488659 -1.9589895
Round8073-----squared error: 3.9131 parameter: [18.398 2 -0.16259028]	0.67488619 -1.9589899
Round8074-----squared error: 3.9131 parameter: [18.398 9 -0.16259022]	0.67488578 -1.9589902
Round8075-----squared error: 3.9131 parameter: [18.398 6 -0.16259016]	0.67488537 -1.9589906
Round8076-----squared error: 3.9131 parameter: [18.398 3 -0.1625901]	0.67488497 -1.9589910
Round8077-----squared error: 3.9131 parameter: [18.398 9 -0.16259003]	0.67488456 -1.9589913
Round8078-----squared error: 3.9131 parameter: [18.398 6 -0.16258997]	0.67488416 -1.9589917
Round8079-----squared error: 3.9131 parameter: [18.398 3 -0.16258991]	0.67488375 -1.9589921
Round8080-----squared error: 3.9131 parameter: [18.398 9 -0.16258985]	0.67488335 -1.9589924
Round8081-----squared error: 3.9131 parameter: [18.398 6 -0.16258979]	0.67488294 -1.9589928
Round8082-----squared error: 3.9131 parameter: [18.398 2 -0.16258973]	0.67488254 -1.9589932
Round8083-----squared error: 3.9131 parameter: [18.398 9 -0.16258966]	0.67488214 -1.9589935
Round8084-----squared error: 3.9131 parameter: [18.398 5 -0.1625896]	0.67488174 -1.9589939
Round8085-----squared error: 3.9131 parameter: [18.398 2 -0.16258954]	0.67488133 -1.9589943
Round8086-----squared error: 3.9131 parameter: [18.398 8 -0.16258948]	0.67488093 -1.9589946
Round8087-----squared error: 3.9131 parameter: [18.398 5 -0.16258942]	0.67488053 -1.9589950
Round8088-----squared error: 3.9131 parameter: [18.398 1 -0.16258936]	0.67488013 -1.9589954
Round8089-----squared error: 3.9131 parameter: [18.398 7 -0.1625893]	0.67487973 -1.9589957
Round8090-----squared error: 3.9131 parameter: [18.398 3 -0.16258923]	0.67487933 -1.9589961
Round8091-----squared error: 3.9131 parameter: [18.398 -0.16258917]	0.67487893 -1.9589965
Round8092-----squared error: 3.9131 parameter: [18.398 6 -0.16258911]	0.67487853 -1.9589968
Round8093-----squared error: 3.9131 parameter: [18.398 2 -0.16258905]	0.67487813 -1.9589972
Round8094-----squared error: 3.9131 parameter: [18.398 8 -0.16258899]	0.67487773 -1.9589975
Round8095-----squared error: 3.9131 parameter: [18.398 4 -0.16258893]	0.67487733 -1.9589979
Round8096-----squared error: 3.9131 parameter: [18.398 -0.16258887]	0.67487693 -1.9589983

Round8097-----squared error: 3.9131 parameter: [18.398 6 -0.16258881]	0.67487654 -1.9589986
Round8098-----squared error: 3.9131 parameter: [18.398 2 -0.16258875]	0.67487614 -1.9589990
Round8099-----squared error: 3.9131 parameter: [18.398 8 -0.16258869]	0.67487574 -1.9589993
Round8100-----squared error: 3.9131 parameter: [18.398 4 -0.16258863]	0.67487534 -1.9589997
Round8101-----squared error: 3.9131 parameter: [18.398 -0.16258857]	0.67487495 -1.9590001
Round8102-----squared error: 3.9131 parameter: [18.398 6 -0.1625885]	0.67487455 -1.9590004
Round8103-----squared error: 3.9131 parameter: [18.398 1 -0.16258844]	0.67487416 -1.9590008
Round8104-----squared error: 3.9131 parameter: [18.398 7 -0.16258838]	0.67487376 -1.9590011
Round8105-----squared error: 3.9131 parameter: [18.398 3 -0.16258832]	0.67487337 -1.9590015
Round8106-----squared error: 3.9131 parameter: [18.398 9 -0.16258826]	0.67487297 -1.9590018
Round8107-----squared error: 3.9131 parameter: [18.398 4 -0.1625882]	0.67487258 -1.9590022
Round8108-----squared error: 3.9131 parameter: [18.398 -0.16258814]	0.67487219 -1.9590026
Round8109-----squared error: 3.9131 parameter: [18.398 6 -0.16258808]	0.67487179 -1.9590029
Round8110-----squared error: 3.9131 parameter: [18.398 1 -0.16258802]	0.6748714 -1.9590033
Round8111-----squared error: 3.9131 parameter: [18.398 7 -0.16258796]	0.67487101 -1.9590036
Round8112-----squared error: 3.9131 parameter: [18.398 2 -0.1625879]	0.67487062 -1.9590040
Round8113-----squared error: 3.9131 parameter: [18.398 8 -0.16258784]	0.67487022 -1.9590043
Round8114-----squared error: 3.9131 parameter: [18.398 3 -0.16258778]	0.67486983 -1.9590047
Round8115-----squared error: 3.9131 parameter: [18.398 8 -0.16258772]	0.67486944 -1.9590050
Round8116-----squared error: 3.9131 parameter: [18.398 4 -0.16258766]	0.67486905 -1.9590054
Round8117-----squared error: 3.9131 parameter: [18.398 9 -0.1625876]	0.67486866 -1.9590057
Round8118-----squared error: 3.9131 parameter: [18.398 4 -0.16258755]	0.67486827 -1.9590061
Round8119-----squared error: 3.9131 parameter: [18.398 -0.16258749]	0.67486788 -1.9590065
Round8120-----squared error: 3.9131 parameter: [18.398 5 -0.16258743]	0.67486749 -1.9590068
Round8121-----squared error: 3.9131 parameter: [18.398 -0.16258737]	0.6748671 -1.9590072
Round8122-----squared error: 3.9131 parameter: [18.398 5 -0.16258731]	0.67486672 -1.9590075
Round8123-----squared error: 3.9131 parameter: [18.398 -0.16258725]	0.67486633 -1.9590079
Round8124-----squared error: 3.9131 parameter: [18.398 5 -0.16258719]	0.67486594 -1.9590082
Round8125-----squared error: 3.9131 parameter: [18.398 -0.16258713]	0.67486555 -1.9590086
Round8126-----squared error: 3.9131 parameter: [18.398 5 -0.16258707]	0.67486517 -1.9590089
Round8127-----squared error: 3.9131 parameter: [18.398 -0.16258701]	0.67486478 -1.9590093
Round8128-----squared error: 3.9131 parameter: [18.398 5 -0.16258695]	0.6748644 -1.9590096

Round8129-----squared error: 3.9131 parameter: [18.398 -0.16258689]	0.67486401 -1.95901
Round8130-----squared error: 3.9131 parameter: [18.398 5 -0.16258684]	0.67486362 -1.9590103
Round8131-----squared error: 3.9131 parameter: [18.398 -0.16258678]	0.67486324 -1.9590107
Round8132-----squared error: 3.9131 parameter: [18.398 5 -0.16258672]	0.67486286 -1.9590110
Round8133-----squared error: 3.9131 parameter: [18.398 9 -0.16258666]	0.67486247 -1.9590113
Round8134-----squared error: 3.9131 parameter: [18.398 4 -0.1625866]	0.67486209 -1.9590117
Round8135-----squared error: 3.9131 parameter: [18.398 9 -0.16258654]	0.6748617 -1.9590120
Round8136-----squared error: 3.9131 parameter: [18.398 4 -0.16258648]	0.67486132 -1.9590124
Round8137-----squared error: 3.9131 parameter: [18.398 8 -0.16258643]	0.67486094 -1.9590127
Round8138-----squared error: 3.9131 parameter: [18.398 3 -0.16258637]	0.67486056 -1.9590131
Round8139-----squared error: 3.9131 parameter: [18.398 7 -0.16258631]	0.67486017 -1.9590134
Round8140-----squared error: 3.9131 parameter: [18.398 2 -0.16258625]	0.67485979 -1.9590138
Round8141-----squared error: 3.9131 parameter: [18.398 6 -0.16258619]	0.67485941 -1.9590141
Round8142-----squared error: 3.9131 parameter: [18.398 1 -0.16258613]	0.67485903 -1.9590145
Round8143-----squared error: 3.9131 parameter: [18.398 5 -0.16258608]	0.67485865 -1.9590148
Round8144-----squared error: 3.9131 parameter: [18.398 -0.16258602]	0.67485827 -1.9590152
Round8145-----squared error: 3.9131 parameter: [18.398 4 -0.16258596]	0.67485789 -1.9590155
Round8146-----squared error: 3.9131 parameter: [18.398 9 -0.1625859]	0.67485751 -1.9590158
Round8147-----squared error: 3.9131 parameter: [18.398 3 -0.16258584]	0.67485713 -1.9590162
Round8148-----squared error: 3.9131 parameter: [18.398 7 -0.16258579]	0.67485675 -1.9590165
Round8149-----squared error: 3.9131 parameter: [18.398 1 -0.16258573]	0.67485637 -1.9590169
Round8150-----squared error: 3.9131 parameter: [18.398 6 -0.16258567]	0.674856 -1.9590172
Round8151-----squared error: 3.9131 parameter: [18.398 -0.16258561]	0.67485562 -1.9590176
Round8152-----squared error: 3.9131 parameter: [18.398 4 -0.16258556]	0.67485524 -1.9590179
Round8153-----squared error: 3.9131 parameter: [18.398 8 -0.1625855]	0.67485487 -1.9590182
Round8154-----squared error: 3.9131 parameter: [18.398 2 -0.16258544]	0.67485449 -1.9590186
Round8155-----squared error: 3.9131 parameter: [18.398 6 -0.16258538]	0.67485411 -1.9590189
Round8156-----squared error: 3.9131 parameter: [18.398 -0.16258533]	0.67485374 -1.9590193
Round8157-----squared error: 3.9131 parameter: [18.398 4 -0.16258527]	0.67485336 -1.9590196
Round8158-----squared error: 3.9131 parameter: [18.398 8 -0.16258521]	0.67485299 -1.9590199
Round8159-----squared error: 3.9131 parameter: [18.398 2 -0.16258515]	0.67485261 -1.9590203
Round8160-----squared error: 3.9131 parameter: [18.398 6 -0.1625851]	0.67485224 -1.9590206

Round8161-----squared error: 3.9131 parameter: [18.398 -0.16258504]	0.67485186 -1.959021
Round8162-----squared error: 3.9131 parameter: [18.398 4 -0.16258498]	0.67485149 -1.9590213
Round8163-----squared error: 3.9131 parameter: [18.398 7 -0.16258493]	0.67485112 -1.9590216
Round8164-----squared error: 3.9131 parameter: [18.398 1 -0.16258487]	0.67485074 -1.9590220
Round8165-----squared error: 3.9131 parameter: [18.398 5 -0.16258481]	0.67485037 -1.9590223
Round8166-----squared error: 3.9131 parameter: [18.398 8 -0.16258475]	0.67485 -1.9590226
Round8167-----squared error: 3.9131 parameter: [18.398 2 -0.1625847]	0.67484963 -1.9590230
Round8168-----squared error: 3.9131 parameter: [18.398 6 -0.16258464]	0.67484926 -1.9590233
Round8169-----squared error: 3.9131 parameter: [18.398 9 -0.16258458]	0.67484889 -1.9590236
Round8170-----squared error: 3.9131 parameter: [18.398 3 -0.16258453]	0.67484852 -1.9590240
Round8171-----squared error: 3.9131 parameter: [18.398 6 -0.16258447]	0.67484814 -1.9590243
Round8172-----squared error: 3.9131 parameter: [18.398 -0.16258441]	0.67484777 -1.9590247
Round8173-----squared error: 3.9131 parameter: [18.398 3 -0.16258436]	0.67484741 -1.9590250
Round8174-----squared error: 3.9131 parameter: [18.398 7 -0.1625843]	0.67484704 -1.9590253
Round8175-----squared error: 3.9131 parameter: [18.398 -0.16258425]	0.67484667 -1.9590257
Round8176-----squared error: 3.9131 parameter: [18.398 4 -0.16258419]	0.6748463 -1.9590260
Round8177-----squared error: 3.9131 parameter: [18.398 7 -0.16258413]	0.67484593 -1.9590263
Round8178-----squared error: 3.9131 parameter: [18.398 -0.16258408]	0.67484556 -1.9590267
Round8179-----squared error: 3.9131 parameter: [18.398 3 -0.16258402]	0.6748452 -1.9590270
Round8180-----squared error: 3.9131 parameter: [18.398 7 -0.16258396]	0.67484483 -1.9590273
Round8181-----squared error: 3.9131 parameter: [18.398 -0.16258391]	0.67484446 -1.9590277
Round8182-----squared error: 3.9131 parameter: [18.398 3 -0.16258385]	0.67484409 -1.9590280
Round8183-----squared error: 3.9131 parameter: [18.398 6 -0.1625838]	0.67484373 -1.9590283
Round8184-----squared error: 3.9131 parameter: [18.398 9 -0.16258374]	0.67484336 -1.9590286
Round8185-----squared error: 3.9131 parameter: [18.398 2 -0.16258368]	0.674843 -1.9590290
Round8186-----squared error: 3.9131 parameter: [18.398 5 -0.16258363]	0.67484263 -1.9590293
Round8187-----squared error: 3.9131 parameter: [18.398 8 -0.16258357]	0.67484227 -1.9590296
Round8188-----squared error: 3.9131 parameter: [18.398 1 -0.16258352]	0.6748419 -1.9590300
Round8189-----squared error: 3.9131 parameter: [18.398 4 -0.16258346]	0.67484154 -1.9590303
Round8190-----squared error: 3.9131 parameter: [18.398 7 -0.16258341]	0.67484118 -1.9590306
Round8191-----squared error: 3.9131 parameter: [18.398 -0.16258335]	0.67484081 -1.959031
Round8192-----squared error: 3.9131 parameter: [18.398 3 -0.1625833]	0.67484045 -1.9590313

Round8193-----squared error: 3.9131 parameter: [18.398 6 -0.16258324]	0.67484009 -1.9590316
Round8194-----squared error: 3.9131 parameter: [18.398 9 -0.16258318]	0.67483973 -1.9590319
Round8195-----squared error: 3.9131 parameter: [18.398 1 -0.16258313]	0.67483936 -1.9590323
Round8196-----squared error: 3.9131 parameter: [18.398 4 -0.16258307]	0.674839 -1.9590326
Round8197-----squared error: 3.9131 parameter: [18.398 7 -0.16258302]	0.67483864 -1.9590329
Round8198-----squared error: 3.9131 parameter: [18.398 9 -0.16258296]	0.67483828 -1.9590332
Round8199-----squared error: 3.9131 parameter: [18.398 2 -0.16258291]	0.67483792 -1.9590336
Round8200-----squared error: 3.9131 parameter: [18.398 5 -0.16258285]	0.67483756 -1.9590339
Round8201-----squared error: 3.9131 parameter: [18.398 7 -0.1625828]	0.6748372 -1.9590342
Round8202-----squared error: 3.9131 parameter: [18.398 -0.16258274]	0.67483684 -1.9590346
Round8203-----squared error: 3.9131 parameter: [18.398 2 -0.16258269]	0.67483648 -1.9590349
Round8204-----squared error: 3.9131 parameter: [18.398 5 -0.16258263]	0.67483612 -1.9590352
Round8205-----squared error: 3.9131 parameter: [18.398 7 -0.16258258]	0.67483576 -1.9590355
Round8206-----squared error: 3.9131 parameter: [18.398 -0.16258253]	0.67483541 -1.9590359
Round8207-----squared error: 3.9131 parameter: [18.398 2 -0.16258247]	0.67483505 -1.9590362
Round8208-----squared error: 3.9131 parameter: [18.398 4 -0.16258242]	0.67483469 -1.9590365
Round8209-----squared error: 3.9131 parameter: [18.398 7 -0.16258236]	0.67483433 -1.9590368
Round8210-----squared error: 3.9131 parameter: [18.398 9 -0.16258231]	0.67483398 -1.9590371
Round8211-----squared error: 3.9131 parameter: [18.398 1 -0.16258225]	0.67483362 -1.9590375
Round8212-----squared error: 3.9131 parameter: [18.398 3 -0.1625822]	0.67483326 -1.9590378
Round8213-----squared error: 3.9131 parameter: [18.398 6 -0.16258214]	0.67483291 -1.9590381
Round8214-----squared error: 3.9131 parameter: [18.398 8 -0.16258209]	0.67483255 -1.9590384
Round8215-----squared error: 3.9131 parameter: [18.398 -0.16258204]	0.6748322 -1.9590388
Round8216-----squared error: 3.9131 parameter: [18.398 2 -0.16258198]	0.67483184 -1.9590391
Round8217-----squared error: 3.9131 parameter: [18.398 4 -0.16258193]	0.67483149 -1.9590394
Round8218-----squared error: 3.9131 parameter: [18.398 6 -0.16258187]	0.67483114 -1.9590397
Round8219-----squared error: 3.9131 parameter: [18.398 8 -0.16258182]	0.67483078 -1.9590400
Round8220-----squared error: 3.9131 parameter: [18.398 -0.16258176]	0.67483043 -1.9590404
Round8221-----squared error: 3.9131 parameter: [18.398 2 -0.16258171]	0.67483008 -1.9590407
Round8222-----squared error: 3.9131 parameter: [18.398 4 -0.16258166]	0.67482972 -1.9590410
Round8223-----squared error: 3.9131 parameter: [18.398 6 -0.1625816]	0.67482937 -1.9590413
Round8224-----squared error: 3.9131 parameter: [18.398 8 -0.16258155]	0.67482902 -1.9590416

Round8225-----squared error: 3.9131 parameter: [18.398 -0.1625815]	0.67482867 -1.959042
Round8226-----squared error: 3.9131 parameter: [18.398 1 -0.16258144]	0.67482832 -1.9590423
Round8227-----squared error: 3.9131 parameter: [18.398 3 -0.16258139]	0.67482797 -1.9590426
Round8228-----squared error: 3.9131 parameter: [18.398 5 -0.16258134]	0.67482762 -1.9590429
Round8229-----squared error: 3.9131 parameter: [18.398 7 -0.16258128]	0.67482727 -1.9590432
Round8230-----squared error: 3.9131 parameter: [18.398 8 -0.16258123]	0.67482692 -1.9590435
Round8231-----squared error: 3.9131 parameter: [18.398 -0.16258117]	0.67482657 -1.9590439
Round8232-----squared error: 3.9131 parameter: [18.398 2 -0.16258112]	0.67482622 -1.9590442
Round8233-----squared error: 3.9131 parameter: [18.398 3 -0.16258107]	0.67482587 -1.9590445
Round8234-----squared error: 3.9131 parameter: [18.398 5 -0.16258101]	0.67482552 -1.9590448
Round8235-----squared error: 3.9131 parameter: [18.398 6 -0.16258096]	0.67482517 -1.9590451
Round8236-----squared error: 3.9131 parameter: [18.398 8 -0.16258091]	0.67482482 -1.9590454
Round8237-----squared error: 3.9131 parameter: [18.398 9 -0.16258086]	0.67482448 -1.9590457
Round8238-----squared error: 3.9131 parameter: [18.398 1 -0.1625808]	0.67482413 -1.9590461
Round8239-----squared error: 3.9131 parameter: [18.398 2 -0.16258075]	0.67482378 -1.9590464
Round8240-----squared error: 3.9131 parameter: [18.398 3 -0.1625807]	0.67482344 -1.9590467
Round8241-----squared error: 3.9131 parameter: [18.398 5 -0.16258064]	0.67482309 -1.9590470
Round8242-----squared error: 3.9131 parameter: [18.398 6 -0.16258059]	0.67482274 -1.9590473
Round8243-----squared error: 3.9131 parameter: [18.398 7 -0.16258054]	0.6748224 -1.9590476
Round8244-----squared error: 3.9131 parameter: [18.398 9 -0.16258049]	0.67482205 -1.9590479
Round8245-----squared error: 3.9131 parameter: [18.398 -0.16258043]	0.67482171 -1.9590483
Round8246-----squared error: 3.9131 parameter: [18.398 1 -0.16258038]	0.67482136 -1.9590486
Round8247-----squared error: 3.9131 parameter: [18.398 2 -0.16258033]	0.67482102 -1.9590489
Round8248-----squared error: 3.9131 parameter: [18.398 3 -0.16258027]	0.67482068 -1.9590492
Round8249-----squared error: 3.9131 parameter: [18.398 4 -0.16258022]	0.67482033 -1.9590495
Round8250-----squared error: 3.9131 parameter: [18.398 5 -0.16258017]	0.67481999 -1.9590498
Round8251-----squared error: 3.9131 parameter: [18.398 6 -0.16258012]	0.67481965 -1.9590501
Round8252-----squared error: 3.9131 parameter: [18.398 7 -0.16258007]	0.6748193 -1.9590504
Round8253-----squared error: 3.9131 parameter: [18.398 8 -0.16258001]	0.67481896 -1.9590507
Round8254-----squared error: 3.9131 parameter: [18.398 9 -0.16257996]	0.67481862 -1.9590510
Round8255-----squared error: 3.9131 parameter: [18.398 -0.16257991]	0.67481828 -1.9590514
Round8256-----squared error: 3.9131 parameter: [18.398 1 -0.16257986]	0.67481794 -1.9590517

Round8257-----squared error: 3.9131 parameter: [18.398 2 -0.1625798]	0.6748176 -1.9590520
Round8258-----squared error: 3.9131 parameter: [18.398 3 -0.16257975]	0.67481726 -1.9590523
Round8259-----squared error: 3.9131 parameter: [18.398 4 -0.1625797]	0.67481691 -1.9590526
Round8260-----squared error: 3.9131 parameter: [18.398 4 -0.16257965]	0.67481658 -1.9590529
Round8261-----squared error: 3.9131 parameter: [18.398 5 -0.1625796]	0.67481624 -1.9590532
Round8262-----squared error: 3.9131 parameter: [18.398 6 -0.16257954]	0.6748159 -1.9590535
Round8263-----squared error: 3.9131 parameter: [18.398 7 -0.16257949]	0.67481556 -1.9590538
Round8264-----squared error: 3.9131 parameter: [18.398 7 -0.16257944]	0.67481522 -1.9590541
Round8265-----squared error: 3.9131 parameter: [18.398 8 -0.16257939]	0.67481488 -1.9590544
Round8266-----squared error: 3.9131 parameter: [18.398 8 -0.16257934]	0.67481454 -1.9590547
Round8267-----squared error: 3.9131 parameter: [18.398 9 -0.16257929]	0.6748142 -1.9590550
Round8268-----squared error: 3.9131 parameter: [18.398 -0.16257923]	0.67481387 -1.9590554
Round8269-----squared error: 3.9131 parameter: [18.398 -0.16257918]	0.67481353 -1.9590557
Round8270-----squared error: 3.9131 parameter: [18.398 1 -0.16257913]	0.67481319 -1.9590560
Round8271-----squared error: 3.9131 parameter: [18.398 1 -0.16257908]	0.67481286 -1.9590563
Round8272-----squared error: 3.9131 parameter: [18.398 1 -0.16257903]	0.67481252 -1.9590566
Round8273-----squared error: 3.9131 parameter: [18.398 2 -0.16257898]	0.67481219 -1.9590569
Round8274-----squared error: 3.9131 parameter: [18.398 2 -0.16257893]	0.67481185 -1.9590572
Round8275-----squared error: 3.9131 parameter: [18.398 2 -0.16257888]	0.67481152 -1.9590575
Round8276-----squared error: 3.9131 parameter: [18.398 3 -0.16257882]	0.67481118 -1.9590578
Round8277-----squared error: 3.9131 parameter: [18.398 3 -0.16257877]	0.67481085 -1.9590581
Round8278-----squared error: 3.9131 parameter: [18.398 3 -0.16257872]	0.67481051 -1.9590584
Round8279-----squared error: 3.9131 parameter: [18.398 3 -0.16257867]	0.67481018 -1.9590587
Round8280-----squared error: 3.9131 parameter: [18.398 4 -0.16257862]	0.67480985 -1.9590590
Round8281-----squared error: 3.9131 parameter: [18.398 4 -0.16257857]	0.67480951 -1.9590593
Round8282-----squared error: 3.9131 parameter: [18.398 4 -0.16257852]	0.67480918 -1.9590596
Round8283-----squared error: 3.9131 parameter: [18.398 4 -0.16257847]	0.67480885 -1.9590599
Round8284-----squared error: 3.9131 parameter: [18.398 4 -0.16257842]	0.67480852 -1.9590602
Round8285-----squared error: 3.9131 parameter: [18.398 4 -0.16257837]	0.67480818 -1.9590605
Round8286-----squared error: 3.9131 parameter: [18.398 4 -0.16257832]	0.67480785 -1.9590608
Round8287-----squared error: 3.9131 parameter: [18.398 4 -0.16257827]	0.67480752 -1.9590611
Round8288-----squared error: 3.9131 parameter: [18.398 4 -0.16257821]	0.67480719 -1.9590614

Round8289-----squared error: 3.9131 parameter: [18.398 4 -0.16257816]	0.67480686 -1.9590617
Round8290-----squared error: 3.9131 parameter: [18.398 4 -0.16257811]	0.67480653 -1.9590620
Round8291-----squared error: 3.9131 parameter: [18.398 4 -0.16257806]	0.6748062 -1.9590623
Round8292-----squared error: 3.9131 parameter: [18.398 4 -0.16257801]	0.67480587 -1.9590626
Round8293-----squared error: 3.9131 parameter: [18.398 3 -0.16257796]	0.67480554 -1.9590629
Round8294-----squared error: 3.9131 parameter: [18.398 3 -0.16257791]	0.67480521 -1.9590632
Round8295-----squared error: 3.9131 parameter: [18.398 3 -0.16257786]	0.67480488 -1.9590635
Round8296-----squared error: 3.9131 parameter: [18.398 3 -0.16257781]	0.67480455 -1.9590638
Round8297-----squared error: 3.9131 parameter: [18.398 2 -0.16257776]	0.67480423 -1.9590641
Round8298-----squared error: 3.9131 parameter: [18.398 2 -0.16257771]	0.6748039 -1.9590644
Round8299-----squared error: 3.9131 parameter: [18.398 2 -0.16257766]	0.67480357 -1.9590647
Round8300-----squared error: 3.9131 parameter: [18.398 1 -0.16257761]	0.67480324 -1.9590650
Round8301-----squared error: 3.9131 parameter: [18.398 1 -0.16257756]	0.67480292 -1.9590653
Round8302-----squared error: 3.9131 parameter: [18.398 -0.16257751]	0.67480259 -1.9590656
Round8303-----squared error: 3.9131 parameter: [18.398 -0.16257746]	0.67480227 -1.9590659
Round8304-----squared error: 3.9131 parameter: [18.398 9 -0.16257741]	0.67480194 -1.9590661
Round8305-----squared error: 3.9131 parameter: [18.398 9 -0.16257736]	0.67480161 -1.9590664
Round8306-----squared error: 3.9131 parameter: [18.398 8 -0.16257731]	0.67480129 -1.9590667
Round8307-----squared error: 3.9131 parameter: [18.398 8 -0.16257726]	0.67480096 -1.9590670
Round8308-----squared error: 3.9131 parameter: [18.398 7 -0.16257721]	0.67480064 -1.9590673
Round8309-----squared error: 3.9131 parameter: [18.398 6 -0.16257716]	0.67480032 -1.9590676
Round8310-----squared error: 3.9131 parameter: [18.398 6 -0.16257712]	0.67479999 -1.9590679
Round8311-----squared error: 3.9131 parameter: [18.398 5 -0.16257707]	0.67479967 -1.9590682
Round8312-----squared error: 3.9131 parameter: [18.398 4 -0.16257702]	0.67479934 -1.9590685
Round8313-----squared error: 3.9131 parameter: [18.398 4 -0.16257697]	0.67479902 -1.9590688
Round8314-----squared error: 3.9131 parameter: [18.398 3 -0.16257692]	0.6747987 -1.9590691
Round8315-----squared error: 3.9131 parameter: [18.398 2 -0.16257687]	0.67479838 -1.9590694
Round8316-----squared error: 3.9131 parameter: [18.398 1 -0.16257682]	0.67479805 -1.9590697
Round8317-----squared error: 3.9131 parameter: [18.398 -0.16257677]	0.67479773 -1.95907
Round8318-----squared error: 3.9131 parameter: [18.398 9 -0.16257672]	0.67479741 -1.9590702
Round8319-----squared error: 3.9131 parameter: [18.398 8 -0.16257667]	0.67479709 -1.9590705
Round8320-----squared error: 3.9131 parameter: [18.398 7 -0.16257662]	0.67479677 -1.9590708

Round8321-----squared error: 3.9131 parameter: [18.398 6 -0.16257657]	0.67479645 -1.9590711
Round8322-----squared error: 3.9131 parameter: [18.398 5 -0.16257653]	0.67479613 -1.9590714
Round8323-----squared error: 3.9131 parameter: [18.398 4 -0.16257648]	0.67479581 -1.9590717
Round8324-----squared error: 3.9131 parameter: [18.398 3 -0.16257643]	0.67479549 -1.9590720
Round8325-----squared error: 3.9131 parameter: [18.398 2 -0.16257638]	0.67479517 -1.9590723
Round8326-----squared error: 3.9131 parameter: [18.398 1 -0.16257633]	0.67479485 -1.9590726
Round8327-----squared error: 3.9131 parameter: [18.398 -0.16257628]	0.67479453 -1.9590729
Round8328-----squared error: 3.9131 parameter: [18.398 9 -0.16257623]	0.67479421 -1.9590731
Round8329-----squared error: 3.9131 parameter: [18.398 8 -0.16257618]	0.6747939 -1.9590734
Round8330-----squared error: 3.9131 parameter: [18.398 6 -0.16257614]	0.67479358 -1.9590737
Round8331-----squared error: 3.9131 parameter: [18.398 5 -0.16257609]	0.67479326 -1.9590740
Round8332-----squared error: 3.9131 parameter: [18.398 4 -0.16257604]	0.67479294 -1.9590743
Round8333-----squared error: 3.9131 parameter: [18.398 2 -0.16257599]	0.67479263 -1.9590746
Round8334-----squared error: 3.9131 parameter: [18.398 1 -0.16257594]	0.67479231 -1.9590749
Round8335-----squared error: 3.9131 parameter: [18.398 -0.16257589]	0.67479199 -1.9590752
Round8336-----squared error: 3.9131 parameter: [18.398 8 -0.16257585]	0.67479168 -1.9590754
Round8337-----squared error: 3.9131 parameter: [18.398 7 -0.1625758]	0.67479136 -1.9590757
Round8338-----squared error: 3.9131 parameter: [18.398 5 -0.16257575]	0.67479105 -1.9590760
Round8339-----squared error: 3.9131 parameter: [18.398 4 -0.1625757]	0.67479073 -1.9590763
Round8340-----squared error: 3.9131 parameter: [18.398 2 -0.16257565]	0.67479042 -1.9590766
Round8341-----squared error: 3.9131 parameter: [18.398 1 -0.1625756]	0.6747901 -1.9590769
Round8342-----squared error: 3.9131 parameter: [18.398 9 -0.16257556]	0.67478979 -1.9590771
Round8343-----squared error: 3.9131 parameter: [18.398 8 -0.16257551]	0.67478948 -1.9590774
Round8344-----squared error: 3.9131 parameter: [18.398 6 -0.16257546]	0.67478916 -1.9590777
Round8345-----squared error: 3.9131 parameter: [18.398 4 -0.16257541]	0.67478885 -1.9590780
Round8346-----squared error: 3.9131 parameter: [18.398 3 -0.16257537]	0.67478854 -1.9590783
Round8347-----squared error: 3.9131 parameter: [18.398 1 -0.16257532]	0.67478822 -1.9590786
Round8348-----squared error: 3.9131 parameter: [18.398 9 -0.16257527]	0.67478791 -1.9590788
Round8349-----squared error: 3.9131 parameter: [18.398 8 -0.16257522]	0.6747876 -1.9590791
Round8350-----squared error: 3.9131 parameter: [18.398 6 -0.16257517]	0.67478729 -1.9590794
Round8351-----squared error: 3.9131 parameter: [18.398 4 -0.16257513]	0.67478698 -1.9590797
Round8352-----squared error: 3.9131 parameter: [18.398 2 -0.16257508]	0.67478667 -1.9590800

Round8353-----squared error: 3.9131 parameter: [18.398 -0.16257503]	0.67478635 -1.9590803
Round8354-----squared error: 3.9131 parameter: [18.398 8 -0.16257498]	0.67478604 -1.9590805
Round8355-----squared error: 3.9131 parameter: [18.398 7 -0.16257494]	0.67478573 -1.9590808
Round8356-----squared error: 3.9131 parameter: [18.398 5 -0.16257489]	0.67478542 -1.9590811
Round8357-----squared error: 3.9131 parameter: [18.398 3 -0.16257484]	0.67478511 -1.9590814
Round8358-----squared error: 3.9131 parameter: [18.398 1 -0.1625748]	0.67478481 -1.9590817
Round8359-----squared error: 3.9131 parameter: [18.398 9 -0.16257475]	0.6747845 -1.9590819
Round8360-----squared error: 3.9131 parameter: [18.398 7 -0.1625747]	0.67478419 -1.9590822
Round8361-----squared error: 3.9131 parameter: [18.398 4 -0.16257465]	0.67478388 -1.9590825
Round8362-----squared error: 3.9131 parameter: [18.398 2 -0.16257461]	0.67478357 -1.9590828
Round8363-----squared error: 3.9131 parameter: [18.398 -0.16257456]	0.67478326 -1.9590831
Round8364-----squared error: 3.9131 parameter: [18.398 8 -0.16257451]	0.67478296 -1.9590833
Round8365-----squared error: 3.9131 parameter: [18.398 6 -0.16257447]	0.67478265 -1.9590836
Round8366-----squared error: 3.9131 parameter: [18.398 4 -0.16257442]	0.67478234 -1.9590839
Round8367-----squared error: 3.9131 parameter: [18.398 1 -0.16257437]	0.67478204 -1.9590842
Round8368-----squared error: 3.9131 parameter: [18.398 9 -0.16257433]	0.67478173 -1.9590844
Round8369-----squared error: 3.9131 parameter: [18.398 7 -0.16257428]	0.67478142 -1.9590847
Round8370-----squared error: 3.9131 parameter: [18.398 4 -0.16257423]	0.67478112 -1.9590850
Round8371-----squared error: 3.9131 parameter: [18.398 2 -0.16257419]	0.67478081 -1.9590853
Round8372-----squared error: 3.9131 parameter: [18.398 -0.16257414]	0.67478051 -1.9590856
Round8373-----squared error: 3.9131 parameter: [18.398 7 -0.16257409]	0.6747802 -1.9590858
Round8374-----squared error: 3.9131 parameter: [18.398 5 -0.16257405]	0.6747799 -1.9590861
Round8375-----squared error: 3.9131 parameter: [18.398 2 -0.162574]	0.67477959 -1.9590864
Round8376-----squared error: 3.9131 parameter: [18.398 -0.16257395]	0.67477929 -1.9590867
Round8377-----squared error: 3.9131 parameter: [18.398 7 -0.16257391]	0.67477899 -1.9590869
Round8378-----squared error: 3.9131 parameter: [18.398 5 -0.16257386]	0.67477868 -1.9590872
Round8379-----squared error: 3.9131 parameter: [18.398 2 -0.16257381]	0.67477838 -1.9590875
Round8380-----squared error: 3.9131 parameter: [18.398 -0.16257377]	0.67477808 -1.9590878
Round8381-----squared error: 3.9131 parameter: [18.398 7 -0.16257372]	0.67477777 -1.9590880
Round8382-----squared error: 3.9131 parameter: [18.398 5 -0.16257368]	0.67477747 -1.9590883
Round8383-----squared error: 3.9131 parameter: [18.398 2 -0.16257363]	0.67477717 -1.9590886
Round8384-----squared error: 3.9131 parameter: [18.398 9 -0.16257358]	0.67477687 -1.9590888

Round8385-----squared error: 3.9131 parameter: [18.398 6 -0.16257354]	0.67477657 -1.9590891
Round8386-----squared error: 3.9131 parameter: [18.398 4 -0.16257349]	0.67477627 -1.9590894
Round8387-----squared error: 3.9131 parameter: [18.398 1 -0.16257345]	0.67477596 -1.9590897
Round8388-----squared error: 3.9131 parameter: [18.398 8 -0.1625734]	0.67477566 -1.9590899
Round8389-----squared error: 3.9131 parameter: [18.398 5 -0.16257335]	0.67477536 -1.9590902
Round8390-----squared error: 3.9131 parameter: [18.398 2 -0.16257331]	0.67477506 -1.9590905
Round8391-----squared error: 3.9131 parameter: [18.398 -0.16257326]	0.67477476 -1.9590908
Round8392-----squared error: 3.9131 parameter: [18.398 7 -0.16257322]	0.67477447 -1.9590910
Round8393-----squared error: 3.9131 parameter: [18.398 4 -0.16257317]	0.67477417 -1.9590913
Round8394-----squared error: 3.9131 parameter: [18.398 1 -0.16257312]	0.67477387 -1.9590916
Round8395-----squared error: 3.9131 parameter: [18.398 8 -0.16257308]	0.67477357 -1.9590918
Round8396-----squared error: 3.9131 parameter: [18.398 5 -0.16257303]	0.67477327 -1.9590921
Round8397-----squared error: 3.9131 parameter: [18.398 2 -0.16257299]	0.67477297 -1.9590924
Round8398-----squared error: 3.9131 parameter: [18.398 9 -0.16257294]	0.67477268 -1.9590926
Round8399-----squared error: 3.9131 parameter: [18.398 6 -0.1625729]	0.67477238 -1.9590929
Round8400-----squared error: 3.9131 parameter: [18.398 2 -0.16257285]	0.67477208 -1.9590932
Round8401-----squared error: 3.9131 parameter: [18.398 9 -0.16257281]	0.67477178 -1.9590934
Round8402-----squared error: 3.9131 parameter: [18.398 6 -0.16257276]	0.67477149 -1.9590937
Round8403-----squared error: 3.9131 parameter: [18.398 3 -0.16257272]	0.67477119 -1.9590940
Round8404-----squared error: 3.9131 parameter: [18.398 -0.16257267]	0.6747709 -1.9590943
Round8405-----squared error: 3.9131 parameter: [18.398 7 -0.16257263]	0.6747706 -1.9590945
Round8406-----squared error: 3.9131 parameter: [18.398 3 -0.16257258]	0.67477031 -1.9590948
Round8407-----squared error: 3.9131 parameter: [18.398 -0.16257254]	0.67477001 -1.9590951
Round8408-----squared error: 3.9131 parameter: [18.398 7 -0.16257249]	0.67476972 -1.9590953
Round8409-----squared error: 3.9131 parameter: [18.398 3 -0.16257245]	0.67476942 -1.9590956
Round8410-----squared error: 3.9131 parameter: [18.398 -0.1625724]	0.67476913 -1.9590959
Round8411-----squared error: 3.9131 parameter: [18.398 7 -0.16257236]	0.67476883 -1.9590961
Round8412-----squared error: 3.9131 parameter: [18.398 3 -0.16257231]	0.67476854 -1.9590964
Round8413-----squared error: 3.9131 parameter: [18.398 -0.16257227]	0.67476825 -1.9590967
Round8414-----squared error: 3.9131 parameter: [18.398 6 -0.16257222]	0.67476795 -1.9590969
Round8415-----squared error: 3.9131 parameter: [18.398 3 -0.16257218]	0.67476766 -1.9590972
Round8416-----squared error: 3.9131 parameter: [18.398 9 -0.16257213]	0.67476737 -1.9590974

Round8417-----squared error: 3.9131 parameter: [18.398 6 -0.16257209]	0.67476708 -1.9590977
Round8418-----squared error: 3.9131 parameter: [18.398 2 -0.16257204]	0.67476678 -1.9590980
Round8419-----squared error: 3.9131 parameter: [18.398 8 -0.162572]	0.67476649 -1.9590982
Round8420-----squared error: 3.9131 parameter: [18.398 5 -0.16257195]	0.67476662 -1.9590985
Round8421-----squared error: 3.9131 parameter: [18.398 1 -0.16257191]	0.67476591 -1.9590988
Round8422-----squared error: 3.9131 parameter: [18.398 8 -0.16257186]	0.67476562 -1.9590990
Round8423-----squared error: 3.9131 parameter: [18.398 4 -0.16257182]	0.67476533 -1.9590993
Round8424-----squared error: 3.9131 parameter: [18.398 -0.16257178]	0.67476504 -1.9590996
Round8425-----squared error: 3.9131 parameter: [18.398 6 -0.16257173]	0.67476475 -1.9590998
Round8426-----squared error: 3.9131 parameter: [18.398 3 -0.16257169]	0.67476446 -1.9591001
Round8427-----squared error: 3.9131 parameter: [18.398 9 -0.16257164]	0.67476417 -1.9591003
Round8428-----squared error: 3.9131 parameter: [18.398 5 -0.1625716]	0.67476388 -1.9591006
Round8429-----squared error: 3.9131 parameter: [18.398 1 -0.16257156]	0.67476359 -1.9591009
Round8430-----squared error: 3.9131 parameter: [18.398 7 -0.16257151]	0.6747633 -1.9591011
Round8431-----squared error: 3.9131 parameter: [18.398 3 -0.16257147]	0.67476301 -1.9591014
Round8432-----squared error: 3.9131 parameter: [18.398 9 -0.16257142]	0.67476273 -1.9591016
Round8433-----squared error: 3.9131 parameter: [18.398 5 -0.16257138]	0.67476244 -1.9591019
Round8434-----squared error: 3.9131 parameter: [18.398 1 -0.16257134]	0.67476215 -1.9591022
Round8435-----squared error: 3.9131 parameter: [18.398 7 -0.16257129]	0.67476186 -1.9591024
Round8436-----squared error: 3.9131 parameter: [18.398 3 -0.16257125]	0.67476158 -1.9591027
Round8437-----squared error: 3.9131 parameter: [18.398 9 -0.1625712]	0.67476129 -1.9591029
Round8438-----squared error: 3.9131 parameter: [18.398 5 -0.16257116]	0.674761 -1.9591032
Round8439-----squared error: 3.9131 parameter: [18.398 1 -0.16257112]	0.67476072 -1.9591035
Round8440-----squared error: 3.9131 parameter: [18.398 7 -0.16257107]	0.67476043 -1.9591037
Round8441-----squared error: 3.9131 parameter: [18.398 3 -0.16257103]	0.67476015 -1.9591040
Round8442-----squared error: 3.9131 parameter: [18.398 9 -0.16257099]	0.67475986 -1.9591042
Round8443-----squared error: 3.9131 parameter: [18.398 4 -0.16257094]	0.67475958 -1.9591045
Round8444-----squared error: 3.9131 parameter: [18.398 -0.1625709]	0.67475929 -1.9591048
Round8445-----squared error: 3.9131 parameter: [18.398 6 -0.16257085]	0.67475901 -1.9591050
Round8446-----squared error: 3.9131 parameter: [18.398 2 -0.16257081]	0.67475872 -1.9591053
Round8447-----squared error: 3.9131 parameter: [18.398 7 -0.16257077]	0.67475844 -1.9591055
Round8448-----squared error: 3.9131 parameter: [18.398 3 -0.16257072]	0.67475816 -1.9591058

Round8449-----squared error: 3.9131 parameter: [18.398 9 -0.16257068]	0.67475787 -1.9591060
Round8450-----squared error: 3.9131 parameter: [18.398 4 -0.16257064]	0.67475759 -1.9591063
Round8451-----squared error: 3.9131 parameter: [18.398 -0.1625706]	0.67475731 -1.9591066
Round8452-----squared error: 3.9131 parameter: [18.398 6 -0.16257055]	0.67475703 -1.9591068
Round8453-----squared error: 3.9131 parameter: [18.398 1 -0.16257051]	0.67475674 -1.9591071
Round8454-----squared error: 3.9131 parameter: [18.398 7 -0.16257047]	0.67475646 -1.9591073
Round8455-----squared error: 3.9131 parameter: [18.398 2 -0.16257042]	0.67475618 -1.9591076
Round8456-----squared error: 3.9131 parameter: [18.398 8 -0.16257038]	0.6747559 -1.9591078
Round8457-----squared error: 3.9131 parameter: [18.398 3 -0.16257034]	0.67475562 -1.9591081
Round8458-----squared error: 3.9131 parameter: [18.398 8 -0.16257029]	0.67475534 -1.9591083
Round8459-----squared error: 3.9131 parameter: [18.398 4 -0.16257025]	0.67475506 -1.9591086
Round8460-----squared error: 3.9131 parameter: [18.398 9 -0.16257021]	0.67475477 -1.9591088
Round8461-----squared error: 3.9131 parameter: [18.398 5 -0.16257017]	0.67475449 -1.9591091
Round8462-----squared error: 3.9131 parameter: [18.398 -0.16257012]	0.67475422 -1.9591094
Round8463-----squared error: 3.9131 parameter: [18.398 5 -0.16257008]	0.67475394 -1.9591096
Round8464-----squared error: 3.9131 parameter: [18.398 1 -0.16257004]	0.67475366 -1.9591099
Round8465-----squared error: 3.9131 parameter: [18.398 6 -0.16256999]	0.67475338 -1.9591101
Round8466-----squared error: 3.9131 parameter: [18.398 1 -0.16256995]	0.6747531 -1.9591104
Round8467-----squared error: 3.9131 parameter: [18.398 6 -0.16256991]	0.67475282 -1.9591106
Round8468-----squared error: 3.9131 parameter: [18.398 1 -0.16256987]	0.67475254 -1.9591109
Round8469-----squared error: 3.9131 parameter: [18.398 7 -0.16256982]	0.67475226 -1.9591111
Round8470-----squared error: 3.9131 parameter: [18.398 2 -0.16256978]	0.67475199 -1.9591114
Round8471-----squared error: 3.9131 parameter: [18.398 7 -0.16256974]	0.67475171 -1.9591116
Round8472-----squared error: 3.9131 parameter: [18.398 2 -0.1625697]	0.67475143 -1.9591119
Round8473-----squared error: 3.9131 parameter: [18.398 7 -0.16256966]	0.67475116 -1.9591121
Round8474-----squared error: 3.9131 parameter: [18.398 2 -0.16256961]	0.67475088 -1.9591124
Round8475-----squared error: 3.9131 parameter: [18.398 7 -0.16256957]	0.6747506 -1.9591126
Round8476-----squared error: 3.9131 parameter: [18.398 2 -0.16256953]	0.67475033 -1.9591129
Round8477-----squared error: 3.9131 parameter: [18.398 7 -0.16256949]	0.67475005 -1.9591131
Round8478-----squared error: 3.9131 parameter: [18.398 2 -0.16256944]	0.67474978 -1.9591134
Round8479-----squared error: 3.9131 parameter: [18.398 7 -0.1625694]	0.6747495 -1.9591136
Round8480-----squared error: 3.9131 parameter: [18.398 2 -0.16256936]	0.67474922 -1.9591139

Round8481-----squared error: 3.9131 parameter: [18.398 7 -0.16256932]	0.67474895 -1.9591141
Round8482-----squared error: 3.9131 parameter: [18.398 1 -0.16256928]	0.67474868 -1.9591144
Round8483-----squared error: 3.9131 parameter: [18.398 6 -0.16256923]	0.6747484 -1.9591146
Round8484-----squared error: 3.9131 parameter: [18.398 1 -0.16256919]	0.67474813 -1.9591149
Round8485-----squared error: 3.9131 parameter: [18.398 6 -0.16256915]	0.67474785 -1.9591151
Round8486-----squared error: 3.9131 parameter: [18.398 1 -0.16256911]	0.67474758 -1.9591154
Round8487-----squared error: 3.9131 parameter: [18.398 5 -0.16256907]	0.67474731 -1.9591156
Round8488-----squared error: 3.9131 parameter: [18.398 -0.16256903]	0.67474703 -1.9591159
Round8489-----squared error: 3.9131 parameter: [18.398 5 -0.16256898]	0.67474676 -1.9591161
Round8490-----squared error: 3.9131 parameter: [18.398 9 -0.16256894]	0.67474649 -1.9591163
Round8491-----squared error: 3.9131 parameter: [18.398 4 -0.1625689]	0.67474622 -1.9591166
Round8492-----squared error: 3.9131 parameter: [18.398 9 -0.16256886]	0.67474595 -1.9591168
Round8493-----squared error: 3.9131 parameter: [18.398 3 -0.16256882]	0.67474567 -1.9591171
Round8494-----squared error: 3.9131 parameter: [18.398 8 -0.16256878]	0.6747454 -1.9591173
Round8495-----squared error: 3.9131 parameter: [18.398 2 -0.16256874]	0.67474513 -1.9591176
Round8496-----squared error: 3.9131 parameter: [18.398 7 -0.16256869]	0.67474486 -1.9591178
Round8497-----squared error: 3.9131 parameter: [18.398 1 -0.16256865]	0.67474459 -1.9591181
Round8498-----squared error: 3.9131 parameter: [18.398 6 -0.16256861]	0.67474432 -1.9591183
Round8499-----squared error: 3.9131 parameter: [18.398 -0.16256857]	0.67474405 -1.9591186
Round8500-----squared error: 3.9131 parameter: [18.398 5 -0.16256853]	0.67474378 -1.9591188
Round8501-----squared error: 3.9131 parameter: [18.398 9 -0.16256849]	0.67474351 -1.9591190
Round8502-----squared error: 3.9131 parameter: [18.398 3 -0.16256845]	0.67474324 -1.9591193
Round8503-----squared error: 3.9131 parameter: [18.398 8 -0.16256841]	0.67474297 -1.9591195
Round8504-----squared error: 3.9131 parameter: [18.398 2 -0.16256836]	0.6747427 -1.9591198
Round8505-----squared error: 3.9131 parameter: [18.398 6 -0.16256832]	0.67474244 -1.9591200
Round8506-----squared error: 3.9131 parameter: [18.398 1 -0.16256828]	0.67474217 -1.9591203
Round8507-----squared error: 3.9131 parameter: [18.398 5 -0.16256824]	0.6747419 -1.9591205
Round8508-----squared error: 3.9131 parameter: [18.398 9 -0.1625682]	0.67474163 -1.9591207
Round8509-----squared error: 3.9131 parameter: [18.398 3 -0.16256816]	0.67474136 -1.9591210
Round8510-----squared error: 3.9131 parameter: [18.398 7 -0.16256812]	0.6747411 -1.9591212
Round8511-----squared error: 3.9131 parameter: [18.398 2 -0.16256808]	0.67474083 -1.9591215
Round8512-----squared error: 3.9131 parameter: [18.398 6 -0.16256804]	0.67474056 -1.9591217

Round8513-----squared error: 3.9131 parameter: [18.398 0.162568]	0.6747403 -1.959122 -
Round8514-----squared error: 3.9131 parameter: [18.398 4 -0.16256796]	0.67474003 -1.9591222
Round8515-----squared error: 3.9131 parameter: [18.398 8 -0.16256792]	0.67473977 -1.9591224
Round8516-----squared error: 3.9131 parameter: [18.398 2 -0.16256788]	0.6747395 -1.9591227
Round8517-----squared error: 3.9131 parameter: [18.398 6 -0.16256783]	0.67473923 -1.9591229
Round8518-----squared error: 3.9131 parameter: [18.398 -0.16256779]	0.67473897 -1.9591232
Round8519-----squared error: 3.9131 parameter: [18.398 4 -0.16256775]	0.6747387 -1.9591234
Round8520-----squared error: 3.9131 parameter: [18.398 8 -0.16256771]	0.67473844 -1.9591236
Round8521-----squared error: 3.9131 parameter: [18.398 2 -0.16256767]	0.67473818 -1.9591239
Round8522-----squared error: 3.9131 parameter: [18.398 6 -0.16256763]	0.67473791 -1.9591241
Round8523-----squared error: 3.9131 parameter: [18.398 -0.16256759]	0.67473765 -1.9591244
Round8524-----squared error: 3.9131 parameter: [18.398 4 -0.16256755]	0.67473738 -1.9591246
Round8525-----squared error: 3.9131 parameter: [18.398 7 -0.16256751]	0.67473712 -1.9591248
Round8526-----squared error: 3.9131 parameter: [18.398 1 -0.16256747]	0.67473686 -1.9591251
Round8527-----squared error: 3.9131 parameter: [18.398 5 -0.16256743]	0.6747366 -1.9591253
Round8528-----squared error: 3.9131 parameter: [18.398 9 -0.16256739]	0.67473633 -1.9591255
Round8529-----squared error: 3.9131 parameter: [18.398 3 -0.16256735]	0.67473607 -1.9591258
Round8530-----squared error: 3.9131 parameter: [18.398 6 -0.16256731]	0.67473581 -1.9591260
Round8531-----squared error: 3.9131 parameter: [18.398 -0.16256727]	0.67473555 -1.9591263
Round8532-----squared error: 3.9131 parameter: [18.398 4 -0.16256723]	0.67473529 -1.9591265
Round8533-----squared error: 3.9131 parameter: [18.398 7 -0.16256719]	0.67473502 -1.9591267
Round8534-----squared error: 3.9131 parameter: [18.398 1 -0.16256715]	0.67473476 -1.9591270
Round8535-----squared error: 3.9131 parameter: [18.398 5 -0.16256711]	0.6747345 -1.9591272
Round8536-----squared error: 3.9131 parameter: [18.398 8 -0.16256707]	0.67473424 -1.9591274
Round8537-----squared error: 3.9131 parameter: [18.398 2 -0.16256703]	0.67473398 -1.9591277
Round8538-----squared error: 3.9131 parameter: [18.398 5 -0.16256699]	0.67473372 -1.9591279
Round8539-----squared error: 3.9131 parameter: [18.398 9 -0.16256695]	0.67473346 -1.9591281
Round8540-----squared error: 3.9131 parameter: [18.398 2 -0.16256691]	0.6747332 -1.9591284
Round8541-----squared error: 3.9131 parameter: [18.398 6 -0.16256687]	0.67473294 -1.9591286
Round8542-----squared error: 3.9131 parameter: [18.398 9 -0.16256683]	0.67473268 -1.9591288
Round8543-----squared error: 3.9131 parameter: [18.398 3 -0.16256679]	0.67473242 -1.9591291
Round8544-----squared error: 3.9131 parameter: [18.398 6 -0.16256675]	0.67473217 -1.9591293

Round8545-----squared error: 3.9131 parameter: [18.398 9 -0.16256672]	0.67473191 -1.9591295
Round8546-----squared error: 3.9131 parameter: [18.398 3 -0.16256668]	0.67473165 -1.9591298
Round8547-----squared error: 3.9131 parameter: [18.398 6 -0.16256664]	0.67473139 -1.9591300
Round8548-----squared error: 3.9131 parameter: [18.398 9 -0.1625666]	0.67473113 -1.9591302
Round8549-----squared error: 3.9131 parameter: [18.398 3 -0.16256656]	0.67473088 -1.9591305
Round8550-----squared error: 3.9131 parameter: [18.398 6 -0.16256652]	0.67473062 -1.9591307
Round8551-----squared error: 3.9131 parameter: [18.398 9 -0.16256648]	0.67473036 -1.9591309
Round8552-----squared error: 3.9131 parameter: [18.398 2 -0.16256644]	0.67473011 -1.9591312
Round8553-----squared error: 3.9131 parameter: [18.398 6 -0.1625664]	0.67472985 -1.9591314
Round8554-----squared error: 3.9131 parameter: [18.398 9 -0.16256636]	0.67472959 -1.9591316
Round8555-----squared error: 3.9131 parameter: [18.398 2 -0.16256632]	0.67472934 -1.9591319
Round8556-----squared error: 3.9131 parameter: [18.398 5 -0.16256628]	0.67472908 -1.9591321
Round8557-----squared error: 3.9131 parameter: [18.398 8 -0.16256624]	0.67472883 -1.9591323
Round8558-----squared error: 3.9131 parameter: [18.398 1 -0.16256621]	0.67472857 -1.9591326
Round8559-----squared error: 3.9131 parameter: [18.398 4 -0.16256617]	0.67472832 -1.9591328
Round8560-----squared error: 3.9131 parameter: [18.398 7 -0.16256613]	0.67472806 -1.9591330
Round8561-----squared error: 3.9131 parameter: [18.398 -0.16256609]	0.67472781 -1.9591333
Round8562-----squared error: 3.9131 parameter: [18.398 3 -0.16256605]	0.67472756 -1.9591335
Round8563-----squared error: 3.9131 parameter: [18.398 6 -0.16256601]	0.6747273 -1.9591337
Round8564-----squared error: 3.9131 parameter: [18.398 9 -0.16256597]	0.67472705 -1.9591339
Round8565-----squared error: 3.9131 parameter: [18.398 2 -0.16256593]	0.67472679 -1.9591342
Round8566-----squared error: 3.9131 parameter: [18.398 5 -0.1625659]	0.67472654 -1.9591344
Round8567-----squared error: 3.9131 parameter: [18.398 8 -0.16256586]	0.67472629 -1.9591346
Round8568-----squared error: 3.9131 parameter: [18.398 1 -0.16256582]	0.67472604 -1.9591349
Round8569-----squared error: 3.9131 parameter: [18.398 4 -0.16256578]	0.67472578 -1.9591351
Round8570-----squared error: 3.9131 parameter: [18.398 7 -0.16256574]	0.67472553 -1.9591353
Round8571-----squared error: 3.9131 parameter: [18.398 -0.1625657]	0.67472528 -1.9591356
Round8572-----squared error: 3.9131 parameter: [18.398 2 -0.16256566]	0.67472503 -1.9591358
Round8573-----squared error: 3.9131 parameter: [18.398 5 -0.16256563]	0.67472478 -1.9591360
Round8574-----squared error: 3.9131 parameter: [18.398 8 -0.16256559]	0.67472453 -1.9591362
Round8575-----squared error: 3.9131 parameter: [18.398 -0.16256555]	0.67472427 -1.9591365
Round8576-----squared error: 3.9131 parameter: [18.398 3 -0.16256551]	0.67472402 -1.9591367

Round8577-----squared error: 3.9131 parameter: [18.398 6 -0.16256547]	0.67472377 -1.9591369
Round8578-----squared error: 3.9131 parameter: [18.398 9 -0.16256543]	0.67472352 -1.9591371
Round8579-----squared error: 3.9131 parameter: [18.398 1 -0.1625654]	0.67472327 -1.9591374
Round8580-----squared error: 3.9131 parameter: [18.398 4 -0.16256536]	0.67472302 -1.9591376
Round8581-----squared error: 3.9131 parameter: [18.398 6 -0.16256532]	0.67472277 -1.9591378
Round8582-----squared error: 3.9131 parameter: [18.398 9 -0.16256528]	0.67472252 -1.9591380
Round8583-----squared error: 3.9131 parameter: [18.398 1 -0.16256524]	0.67472228 -1.9591383
Round8584-----squared error: 3.9131 parameter: [18.398 4 -0.16256521]	0.67472203 -1.9591385
Round8585-----squared error: 3.9131 parameter: [18.398 6 -0.16256517]	0.67472178 -1.9591387
Round8586-----squared error: 3.9131 parameter: [18.398 9 -0.16256513]	0.67472153 -1.9591389
Round8587-----squared error: 3.9131 parameter: [18.398 1 -0.16256509]	0.67472128 -1.9591392
Round8588-----squared error: 3.9131 parameter: [18.398 4 -0.16256505]	0.67472103 -1.9591394
Round8589-----squared error: 3.9131 parameter: [18.398 6 -0.16256502]	0.67472079 -1.9591396
Round8590-----squared error: 3.9131 parameter: [18.398 9 -0.16256498]	0.67472054 -1.9591398
Round8591-----squared error: 3.9131 parameter: [18.398 1 -0.16256494]	0.67472029 -1.9591401
Round8592-----squared error: 3.9131 parameter: [18.398 3 -0.1625649]	0.67472005 -1.9591403
Round8593-----squared error: 3.9131 parameter: [18.398 6 -0.16256487]	0.6747198 -1.9591405
Round8594-----squared error: 3.9131 parameter: [18.398 8 -0.16256483]	0.67471955 -1.9591407
Round8595-----squared error: 3.9131 parameter: [18.398 -0.16256479]	0.67471931 -1.959141
Round8596-----squared error: 3.9131 parameter: [18.398 3 -0.16256475]	0.67471906 -1.9591412
Round8597-----squared error: 3.9131 parameter: [18.398 5 -0.16256472]	0.67471881 -1.9591414
Round8598-----squared error: 3.9131 parameter: [18.398 7 -0.16256468]	0.67471857 -1.9591416
Round8599-----squared error: 3.9131 parameter: [18.398 9 -0.16256464]	0.67471832 -1.9591418
Round8600-----squared error: 3.9131 parameter: [18.398 1 -0.1625646]	0.67471808 -1.9591421
Round8601-----squared error: 3.9131 parameter: [18.398 3 -0.16256457]	0.67471783 -1.9591423
Round8602-----squared error: 3.9131 parameter: [18.398 6 -0.16256453]	0.67471759 -1.9591425
Round8603-----squared error: 3.9131 parameter: [18.398 8 -0.16256449]	0.67471735 -1.9591427
Round8604-----squared error: 3.9131 parameter: [18.398 -0.16256445]	0.6747171 -1.959143
Round8605-----squared error: 3.9131 parameter: [18.398 2 -0.16256442]	0.67471686 -1.9591432
Round8606-----squared error: 3.9131 parameter: [18.398 4 -0.16256438]	0.67471661 -1.9591434
Round8607-----squared error: 3.9131 parameter: [18.398 6 -0.16256434]	0.67471637 -1.9591436
Round8608-----squared error: 3.9131 parameter: [18.398 8 -0.1625643]	0.67471613 -1.9591438

Round8609-----squared error: 3.9131 parameter: [18.398 -0.16256427]	0.67471589 -1.9591441
Round8610-----squared error: 3.9131 parameter: [18.398 2 -0.16256423]	0.67471564 -1.9591443
Round8611-----squared error: 3.9131 parameter: [18.398 4 -0.16256419]	0.6747154 -1.9591445
Round8612-----squared error: 3.9131 parameter: [18.398 6 -0.16256416]	0.67471516 -1.9591447
Round8613-----squared error: 3.9131 parameter: [18.398 8 -0.16256412]	0.67471492 -1.9591449
Round8614-----squared error: 3.9131 parameter: [18.398 -0.16256408]	0.67471467 -1.9591452
Round8615-----squared error: 3.9131 parameter: [18.398 1 -0.16256405]	0.67471443 -1.9591454
Round8616-----squared error: 3.9131 parameter: [18.398 3 -0.16256401]	0.67471419 -1.9591456
Round8617-----squared error: 3.9131 parameter: [18.398 5 -0.16256397]	0.67471395 -1.9591458
Round8618-----squared error: 3.9131 parameter: [18.398 7 -0.16256394]	0.67471371 -1.9591460
Round8619-----squared error: 3.9131 parameter: [18.398 9 -0.1625639]	0.67471347 -1.9591462
Round8620-----squared error: 3.9131 parameter: [18.398 -0.16256386]	0.67471323 -1.9591465
Round8621-----squared error: 3.9131 parameter: [18.398 2 -0.16256383]	0.67471299 -1.9591467
Round8622-----squared error: 3.9131 parameter: [18.398 4 -0.16256379]	0.67471275 -1.9591469
Round8623-----squared error: 3.9131 parameter: [18.398 6 -0.16256375]	0.67471251 -1.9591471
Round8624-----squared error: 3.9131 parameter: [18.398 7 -0.16256372]	0.67471227 -1.9591473
Round8625-----squared error: 3.9131 parameter: [18.398 9 -0.16256368]	0.67471203 -1.9591475
Round8626-----squared error: 3.9131 parameter: [18.398 -0.16256364]	0.67471179 -1.9591478
Round8627-----squared error: 3.9131 parameter: [18.398 2 -0.16256361]	0.67471155 -1.9591480
Round8628-----squared error: 3.9131 parameter: [18.398 4 -0.16256357]	0.67471132 -1.9591482
Round8629-----squared error: 3.9131 parameter: [18.398 5 -0.16256353]	0.67471108 -1.9591484
Round8630-----squared error: 3.9131 parameter: [18.398 7 -0.1625635]	0.67471084 -1.9591486
Round8631-----squared error: 3.9131 parameter: [18.398 8 -0.16256346]	0.6747106 -1.9591488
Round8632-----squared error: 3.9131 parameter: [18.398 -0.16256342]	0.67471036 -1.9591491
Round8633-----squared error: 3.9131 parameter: [18.398 1 -0.16256339]	0.67471013 -1.9591493
Round8634-----squared error: 3.9131 parameter: [18.398 3 -0.16256335]	0.67470989 -1.9591495
Round8635-----squared error: 3.9131 parameter: [18.398 4 -0.16256332]	0.67470965 -1.9591497
Round8636-----squared error: 3.9131 parameter: [18.398 6 -0.16256328]	0.67470942 -1.9591499
Round8637-----squared error: 3.9131 parameter: [18.398 7 -0.16256324]	0.67470918 -1.9591501
Round8638-----squared error: 3.9131 parameter: [18.398 8 -0.16256321]	0.67470894 -1.9591503
Round8639-----squared error: 3.9131 parameter: [18.398 -0.16256317]	0.67470871 -1.9591506
Round8640-----squared error: 3.9131 parameter: [18.398 1 -0.16256314]	0.67470847 -1.9591508

Round8641-----squared error: 3.9131 parameter: [18.398 2 -0.1625631]	0.67470824 -1.9591510
Round8642-----squared error: 3.9131 parameter: [18.398 4 -0.16256306]	0.674708 -1.9591512
Round8643-----squared error: 3.9131 parameter: [18.398 5 -0.16256303]	0.67470777 -1.9591514
Round8644-----squared error: 3.9131 parameter: [18.398 6 -0.16256299]	0.67470753 -1.9591516
Round8645-----squared error: 3.9131 parameter: [18.398 7 -0.16256296]	0.6747073 -1.9591518
Round8646-----squared error: 3.9131 parameter: [18.398 9 -0.16256292]	0.67470706 -1.9591520
Round8647-----squared error: 3.9131 parameter: [18.398 -0.16256288]	0.67470683 -1.9591523
Round8648-----squared error: 3.9131 parameter: [18.398 1 -0.16256285]	0.67470659 -1.9591525
Round8649-----squared error: 3.9131 parameter: [18.398 2 -0.16256281]	0.67470636 -1.9591527
Round8650-----squared error: 3.9131 parameter: [18.398 3 -0.16256278]	0.67470613 -1.9591529
Round8651-----squared error: 3.9131 parameter: [18.398 4 -0.16256274]	0.67470589 -1.9591531
Round8652-----squared error: 3.9131 parameter: [18.398 6 -0.16256271]	0.67470566 -1.9591533
Round8653-----squared error: 3.9131 parameter: [18.398 7 -0.16256267]	0.67470543 -1.9591535
Round8654-----squared error: 3.9131 parameter: [18.398 8 -0.16256263]	0.6747052 -1.9591537
Round8655-----squared error: 3.9131 parameter: [18.398 9 -0.1625626]	0.67470496 -1.9591539
Round8656-----squared error: 3.9131 parameter: [18.398 -0.16256256]	0.67470473 -1.9591542
Round8657-----squared error: 3.9131 parameter: [18.398 1 -0.16256253]	0.6747045 -1.9591544
Round8658-----squared error: 3.9131 parameter: [18.398 2 -0.16256249]	0.67470427 -1.9591546
Round8659-----squared error: 3.9131 parameter: [18.398 3 -0.16256246]	0.67470404 -1.9591548
Round8660-----squared error: 3.9131 parameter: [18.398 4 -0.16256242]	0.67470381 -1.9591550
Round8661-----squared error: 3.9131 parameter: [18.398 4 -0.16256239]	0.67470357 -1.9591552
Round8662-----squared error: 3.9131 parameter: [18.398 5 -0.16256235]	0.67470334 -1.9591554
Round8663-----squared error: 3.9131 parameter: [18.398 6 -0.16256232]	0.67470311 -1.9591556
Round8664-----squared error: 3.9131 parameter: [18.398 7 -0.16256228]	0.67470288 -1.9591558
Round8665-----squared error: 3.9131 parameter: [18.398 8 -0.16256225]	0.67470265 -1.9591560
Round8666-----squared error: 3.9131 parameter: [18.398 9 -0.16256221]	0.67470242 -1.9591562
Round8667-----squared error: 3.9131 parameter: [18.398 9 -0.16256218]	0.67470219 -1.9591564
Round8668-----squared error: 3.9131 parameter: [18.398 -0.16256214]	0.67470196 -1.9591567
Round8669-----squared error: 3.9131 parameter: [18.398 1 -0.16256211]	0.67470174 -1.9591569
Round8670-----squared error: 3.9131 parameter: [18.398 2 -0.16256207]	0.67470151 -1.9591571
Round8671-----squared error: 3.9131 parameter: [18.398 2 -0.16256204]	0.67470128 -1.9591573
Round8672-----squared error: 3.9131 parameter: [18.398 3 -0.162562]	0.67470105 -1.9591575

Round8673-----squared error: 3.9131 parameter: [18.398 4 -0.16256197]	0.67470082 -1.9591577
Round8674-----squared error: 3.9131 parameter: [18.398 4 -0.16256193]	0.67470059 -1.9591579
Round8675-----squared error: 3.9131 parameter: [18.398 5 -0.1625619]	0.67470036 -1.9591581
Round8676-----squared error: 3.9131 parameter: [18.398 6 -0.16256186]	0.67470014 -1.9591583
Round8677-----squared error: 3.9131 parameter: [18.398 6 -0.16256183]	0.67469991 -1.9591585
Round8678-----squared error: 3.9131 parameter: [18.398 7 -0.16256179]	0.67469968 -1.9591587
Round8679-----squared error: 3.9131 parameter: [18.398 7 -0.16256176]	0.67469946 -1.9591589
Round8680-----squared error: 3.9131 parameter: [18.398 8 -0.16256172]	0.67469923 -1.9591591
Round8681-----squared error: 3.9131 parameter: [18.398 8 -0.16256169]	0.674699 -1.9591593
Round8682-----squared error: 3.9131 parameter: [18.398 9 -0.16256165]	0.67469878 -1.9591595
Round8683-----squared error: 3.9131 parameter: [18.398 9 -0.16256162]	0.67469855 -1.9591597
Round8684-----squared error: 3.9131 parameter: [18.398 -0.16256159]	0.67469832 -1.95916
Round8685-----squared error: 3.9131 parameter: [18.398 -0.16256155]	0.6746981 -1.9591602
Round8686-----squared error: 3.9131 parameter: [18.398 1 -0.16256152]	0.67469787 -1.9591604
Round8687-----squared error: 3.9131 parameter: [18.398 1 -0.16256148]	0.67469765 -1.9591606
Round8688-----squared error: 3.9131 parameter: [18.398 1 -0.16256145]	0.67469742 -1.9591608
Round8689-----squared error: 3.9131 parameter: [18.398 2 -0.16256141]	0.6746972 -1.9591610
Round8690-----squared error: 3.9131 parameter: [18.398 2 -0.16256138]	0.67469697 -1.9591612
Round8691-----squared error: 3.9131 parameter: [18.398 2 -0.16256134]	0.67469675 -1.9591614
Round8692-----squared error: 3.9131 parameter: [18.398 3 -0.16256131]	0.67469652 -1.9591616
Round8693-----squared error: 3.9131 parameter: [18.398 3 -0.16256128]	0.6746963 -1.9591618
Round8694-----squared error: 3.9131 parameter: [18.398 3 -0.16256124]	0.67469608 -1.9591620
Round8695-----squared error: 3.9131 parameter: [18.398 4 -0.16256121]	0.67469585 -1.9591622
Round8696-----squared error: 3.9131 parameter: [18.398 4 -0.16256117]	0.67469563 -1.9591624
Round8697-----squared error: 3.9131 parameter: [18.398 4 -0.16256114]	0.67469541 -1.9591626
Round8698-----squared error: 3.9131 parameter: [18.398 4 -0.16256111]	0.67469518 -1.9591628
Round8699-----squared error: 3.9131 parameter: [18.398 4 -0.16256107]	0.67469496 -1.9591630
Round8700-----squared error: 3.9131 parameter: [18.398 4 -0.16256104]	0.67469474 -1.9591632
Round8701-----squared error: 3.9131 parameter: [18.398 5 -0.162561]	0.67469452 -1.9591634
Round8702-----squared error: 3.9131 parameter: [18.398 5 -0.16256097]	0.67469429 -1.9591636
Round8703-----squared error: 3.9131 parameter: [18.398 5 -0.16256094]	0.67469407 -1.9591638
Round8704-----squared error: 3.9131 parameter: [18.398 5 -0.1625609]	0.67469385 -1.9591640

Round8705-----squared error: 3.9131 parameter: [18.398 5 -0.16256087]	0.67469363 -1.9591642
Round8706-----squared error: 3.9131 parameter: [18.398 5 -0.16256083]	0.67469341 -1.9591644
Round8707-----squared error: 3.9131 parameter: [18.398 5 -0.1625608]	0.67469319 -1.9591646
Round8708-----squared error: 3.9131 parameter: [18.398 5 -0.16256077]	0.67469297 -1.9591648
Round8709-----squared error: 3.9131 parameter: [18.398 5 -0.16256073]	0.67469275 -1.9591650
Round8710-----squared error: 3.9131 parameter: [18.398 5 -0.1625607]	0.67469253 -1.9591652
Round8711-----squared error: 3.9131 parameter: [18.398 5 -0.16256067]	0.67469231 -1.9591654
Round8712-----squared error: 3.9131 parameter: [18.398 5 -0.16256063]	0.67469209 -1.9591656
Round8713-----squared error: 3.9131 parameter: [18.398 4 -0.1625606]	0.67469187 -1.9591658
Round8714-----squared error: 3.9131 parameter: [18.398 4 -0.16256057]	0.67469165 -1.9591660
Round8715-----squared error: 3.9131 parameter: [18.398 4 -0.16256053]	0.67469143 -1.9591662
Round8716-----squared error: 3.9131 parameter: [18.398 4 -0.1625605]	0.67469121 -1.9591664
Round8717-----squared error: 3.9131 parameter: [18.398 4 -0.16256046]	0.67469099 -1.9591666
Round8718-----squared error: 3.9131 parameter: [18.398 4 -0.16256043]	0.67469077 -1.9591668
Round8719-----squared error: 3.9131 parameter: [18.398 3 -0.1625604]	0.67469055 -1.9591670
Round8720-----squared error: 3.9131 parameter: [18.398 3 -0.16256036]	0.67469033 -1.9591672
Round8721-----squared error: 3.9131 parameter: [18.398 3 -0.16256033]	0.67469012 -1.9591674
Round8722-----squared error: 3.9131 parameter: [18.398 3 -0.1625603]	0.6746899 -1.9591676
Round8723-----squared error: 3.9131 parameter: [18.398 2 -0.16256026]	0.67468968 -1.9591678
Round8724-----squared error: 3.9131 parameter: [18.398 2 -0.16256023]	0.67468946 -1.9591680
Round8725-----squared error: 3.9131 parameter: [18.398 2 -0.1625602]	0.67468925 -1.9591682
Round8726-----squared error: 3.9131 parameter: [18.398 1 -0.16256017]	0.67468903 -1.9591684
Round8727-----squared error: 3.9131 parameter: [18.398 1 -0.16256013]	0.67468881 -1.9591686
Round8728-----squared error: 3.9131 parameter: [18.398 0.1625601]	0.6746886 -1.9591688 -
Round8729-----squared error: 3.9131 parameter: [18.398 -0.16256007]	0.67468838 -1.959169
Round8730-----squared error: 3.9131 parameter: [18.398 -0.16256003]	0.67468816 -1.9591692
Round8731-----squared error: 3.9131 parameter: [18.398 9 -0.16256]	0.67468795 -1.9591693
Round8732-----squared error: 3.9131 parameter: [18.398 9 -0.16255997]	0.67468773 -1.9591695
Round8733-----squared error: 3.9131 parameter: [18.398 8 -0.16255993]	0.67468752 -1.9591697
Round8734-----squared error: 3.9131 parameter: [18.398 8 -0.1625599]	0.6746873 -1.9591699
Round8735-----squared error: 3.9131 parameter: [18.398 7 -0.16255987]	0.67468709 -1.9591701
Round8736-----squared error: 3.9131 parameter: [18.398 7 -0.16255984]	0.67468687 -1.9591703

Round8737-----squared error: 3.9131 parameter: [18.398 6 -0.1625598]	0.67468666 -1.9591705
Round8738-----squared error: 3.9131 parameter: [18.398 5 -0.16255977]	0.67468644 -1.9591707
Round8739-----squared error: 3.9131 parameter: [18.398 5 -0.16255974]	0.67468623 -1.9591709
Round8740-----squared error: 3.9131 parameter: [18.398 4 -0.1625597]	0.67468601 -1.9591711
Round8741-----squared error: 3.9131 parameter: [18.398 4 -0.16255967]	0.6746858 -1.9591713
Round8742-----squared error: 3.9131 parameter: [18.398 3 -0.16255964]	0.67468559 -1.9591715
Round8743-----squared error: 3.9131 parameter: [18.398 2 -0.16255961]	0.67468537 -1.9591717
Round8744-----squared error: 3.9131 parameter: [18.398 2 -0.16255957]	0.67468516 -1.9591719
Round8745-----squared error: 3.9131 parameter: [18.398 1 -0.16255954]	0.67468495 -1.9591721
Round8746-----squared error: 3.9131 parameter: [18.398 -0.16255951]	0.67468473 -1.9591723
Round8747-----squared error: 3.9131 parameter: [18.398 9 -0.16255948]	0.67468452 -1.9591724
Round8748-----squared error: 3.9131 parameter: [18.398 9 -0.16255944]	0.67468431 -1.9591726
Round8749-----squared error: 3.9131 parameter: [18.398 8 -0.16255941]	0.6746841 -1.9591728
Round8750-----squared error: 3.9131 parameter: [18.398 7 -0.16255938]	0.67468388 -1.9591730
Round8751-----squared error: 3.9131 parameter: [18.398 6 -0.16255935]	0.67468367 -1.9591732
Round8752-----squared error: 3.9131 parameter: [18.398 5 -0.16255931]	0.67468346 -1.9591734
Round8753-----squared error: 3.9131 parameter: [18.398 4 -0.16255928]	0.67468325 -1.9591736
Round8754-----squared error: 3.9131 parameter: [18.398 4 -0.16255925]	0.67468304 -1.9591738
Round8755-----squared error: 3.9131 parameter: [18.398 3 -0.16255922]	0.67468283 -1.9591740
Round8756-----squared error: 3.9131 parameter: [18.398 2 -0.16255919]	0.67468262 -1.9591742
Round8757-----squared error: 3.9131 parameter: [18.398 1 -0.16255915]	0.67468241 -1.9591744
Round8758-----squared error: 3.9131 parameter: [18.398 -0.16255912]	0.6746822 -1.9591746
Round8759-----squared error: 3.9131 parameter: [18.398 9 -0.16255909]	0.67468199 -1.9591747
Round8760-----squared error: 3.9131 parameter: [18.398 8 -0.16255906]	0.67468178 -1.9591749
Round8761-----squared error: 3.9131 parameter: [18.398 7 -0.16255903]	0.67468157 -1.9591751
Round8762-----squared error: 3.9131 parameter: [18.398 6 -0.16255899]	0.67468136 -1.9591753
Round8763-----squared error: 3.9131 parameter: [18.398 5 -0.16255896]	0.67468115 -1.9591755
Round8764-----squared error: 3.9131 parameter: [18.398 4 -0.16255893]	0.67468094 -1.9591757
Round8765-----squared error: 3.9131 parameter: [18.398 3 -0.1625589]	0.67468073 -1.9591759
Round8766-----squared error: 3.9131 parameter: [18.398 2 -0.16255887]	0.67468052 -1.9591761
Round8767-----squared error: 3.9131 parameter: [18.398 -0.16255883]	0.67468031 -1.9591763
Round8768-----squared error: 3.9131 parameter: [18.398 9 -0.1625588]	0.6746801 -1.9591764

Round8769-----squared error: 3.9131 parameter: [18.398 8 -0.16255877]	0.6746799 -1.9591766
Round8770-----squared error: 3.9131 parameter: [18.398 7 -0.16255874]	0.67467969 -1.9591768
Round8771-----squared error: 3.9131 parameter: [18.398 6 -0.16255871]	0.67467948 -1.9591770
Round8772-----squared error: 3.9131 parameter: [18.398 5 -0.16255867]	0.67467927 -1.9591772
Round8773-----squared error: 3.9131 parameter: [18.398 3 -0.16255864]	0.67467906 -1.9591774
Round8774-----squared error: 3.9131 parameter: [18.398 2 -0.16255861]	0.67467886 -1.9591776
Round8775-----squared error: 3.9131 parameter: [18.398 1 -0.16255858]	0.67467865 -1.9591778
Round8776-----squared error: 3.9131 parameter: [18.398 -0.16255855]	0.67467844 -1.959178
Round8777-----squared error: 3.9131 parameter: [18.398 8 -0.16255852]	0.67467824 -1.9591781
Round8778-----squared error: 3.9131 parameter: [18.398 7 -0.16255849]	0.67467803 -1.9591783
Round8779-----squared error: 3.9131 parameter: [18.398 6 -0.16255845]	0.67467782 -1.9591785
Round8780-----squared error: 3.9131 parameter: [18.398 4 -0.16255842]	0.67467762 -1.9591787
Round8781-----squared error: 3.9131 parameter: [18.398 3 -0.16255839]	0.67467741 -1.9591789
Round8782-----squared error: 3.9131 parameter: [18.398 1 -0.16255836]	0.67467721 -1.9591791
Round8783-----squared error: 3.9131 parameter: [18.398 -0.16255833]	0.674677 -1.9591793
Round8784-----squared error: 3.9131 parameter: [18.398 9 -0.1625583]	0.6746768 -1.9591794
Round8785-----squared error: 3.9131 parameter: [18.398 7 -0.16255827]	0.67467659 -1.9591796
Round8786-----squared error: 3.9131 parameter: [18.398 6 -0.16255823]	0.67467639 -1.9591798
Round8787-----squared error: 3.9131 parameter: [18.398 4 -0.1625582]	0.67467618 -1.9591800
Round8788-----squared error: 3.9131 parameter: [18.398 3 -0.16255817]	0.67467598 -1.9591802
Round8789-----squared error: 3.9131 parameter: [18.398 1 -0.16255814]	0.67467577 -1.9591804
Round8790-----squared error: 3.9131 parameter: [18.398 -0.16255811]	0.67467557 -1.9591806
Round8791-----squared error: 3.9131 parameter: [18.398 8 -0.16255808]	0.67467537 -1.9591807
Round8792-----squared error: 3.9131 parameter: [18.398 7 -0.16255805]	0.67467516 -1.9591809
Round8793-----squared error: 3.9131 parameter: [18.398 5 -0.16255802]	0.67467496 -1.9591811
Round8794-----squared error: 3.9131 parameter: [18.398 3 -0.16255799]	0.67467476 -1.9591813
Round8795-----squared error: 3.9131 parameter: [18.398 2 -0.16255795]	0.67467455 -1.9591815
Round8796-----squared error: 3.9131 parameter: [18.398 -0.16255792]	0.67467435 -1.9591817
Round8797-----squared error: 3.9131 parameter: [18.398 8 -0.16255789]	0.67467415 -1.9591818
Round8798-----squared error: 3.9131 parameter: [18.398 7 -0.16255786]	0.67467395 -1.9591820
Round8799-----squared error: 3.9131 parameter: [18.398 5 -0.16255783]	0.67467374 -1.9591822
Round8800-----squared error: 3.9131 parameter: [18.398 3 -0.1625578]	0.67467354 -1.9591824

Round8801-----squared error: 3.9131 parameter: [18.398 2 -0.16255777]	0.67467334 -1.9591826
Round8802-----squared error: 3.9131 parameter: [18.398 -0.16255774]	0.67467314 -1.9591828
Round8803-----squared error: 3.9131 parameter: [18.398 8 -0.16255771]	0.67467294 -1.9591829
Round8804-----squared error: 3.9131 parameter: [18.398 6 -0.16255768]	0.67467274 -1.9591831
Round8805-----squared error: 3.9131 parameter: [18.398 5 -0.16255765]	0.67467253 -1.9591833
Round8806-----squared error: 3.9131 parameter: [18.398 3 -0.16255761]	0.67467233 -1.9591835
Round8807-----squared error: 3.9131 parameter: [18.398 1 -0.16255758]	0.67467213 -1.9591837
Round8808-----squared error: 3.9131 parameter: [18.398 9 -0.16255755]	0.67467193 -1.9591838
Round8809-----squared error: 3.9131 parameter: [18.398 7 -0.16255752]	0.67467173 -1.9591840
Round8810-----squared error: 3.9131 parameter: [18.398 5 -0.16255749]	0.67467153 -1.9591842
Round8811-----squared error: 3.9131 parameter: [18.398 3 -0.16255746]	0.67467133 -1.9591844
Round8812-----squared error: 3.9131 parameter: [18.398 1 -0.16255743]	0.67467113 -1.9591846
Round8813-----squared error: 3.9131 parameter: [18.398 -0.1625574]	0.67467093 -1.9591848
Round8814-----squared error: 3.9131 parameter: [18.398 8 -0.16255737]	0.67467073 -1.9591849
Round8815-----squared error: 3.9131 parameter: [18.398 6 -0.16255734]	0.67467053 -1.9591851
Round8816-----squared error: 3.9131 parameter: [18.398 4 -0.16255731]	0.67467034 -1.9591853
Round8817-----squared error: 3.9131 parameter: [18.398 2 -0.16255728]	0.67467014 -1.9591855
Round8818-----squared error: 3.9131 parameter: [18.398 -0.16255725]	0.67466994 -1.9591857
Round8819-----squared error: 3.9131 parameter: [18.398 8 -0.16255722]	0.67466974 -1.9591858
Round8820-----squared error: 3.9131 parameter: [18.398 5 -0.16255719]	0.67466954 -1.9591860
Round8821-----squared error: 3.9131 parameter: [18.398 3 -0.16255716]	0.67466934 -1.9591862
Round8822-----squared error: 3.9131 parameter: [18.398 1 -0.16255713]	0.67466915 -1.9591864
Round8823-----squared error: 3.9131 parameter: [18.398 9 -0.1625571]	0.67466895 -1.9591865
Round8824-----squared error: 3.9131 parameter: [18.398 7 -0.16255707]	0.67466875 -1.9591867
Round8825-----squared error: 3.9131 parameter: [18.398 5 -0.16255704]	0.67466855 -1.9591869
Round8826-----squared error: 3.9131 parameter: [18.398 3 -0.16255701]	0.67466836 -1.9591871
Round8827-----squared error: 3.9131 parameter: [18.398 1 -0.16255698]	0.67466816 -1.9591873
Round8828-----squared error: 3.9131 parameter: [18.398 8 -0.16255695]	0.67466796 -1.9591874
Round8829-----squared error: 3.9131 parameter: [18.398 6 -0.16255692]	0.67466777 -1.9591876
Round8830-----squared error: 3.9131 parameter: [18.398 4 -0.16255689]	0.67466757 -1.9591878
Round8831-----squared error: 3.9131 parameter: [18.398 2 -0.16255686]	0.67466737 -1.9591880
Round8832-----squared error: 3.9131 parameter: [18.398 9 -0.16255683]	0.67466718 -1.9591881

Round8833-----squared error: 3.9131 parameter: [18.398 7 -0.1625568]	0.67466698 -1.9591883
Round8834-----squared error: 3.9131 parameter: [18.398 5 -0.16255677]	0.67466679 -1.9591885
Round8835-----squared error: 3.9131 parameter: [18.398 3 -0.16255674]	0.67466659 -1.9591887
Round8836-----squared error: 3.9131 parameter: [18.398 -0.16255671]	0.67466664 -1.9591889
Round8837-----squared error: 3.9131 parameter: [18.398 8 -0.16255668]	0.67466662 -1.9591890
Round8838-----squared error: 3.9131 parameter: [18.398 5 -0.16255665]	0.67466601 -1.9591892
Round8839-----squared error: 3.9131 parameter: [18.398 3 -0.16255662]	0.67466581 -1.9591894
Round8840-----squared error: 3.9131 parameter: [18.398 1 -0.16255659]	0.67466562 -1.9591896
Round8841-----squared error: 3.9131 parameter: [18.398 8 -0.16255656]	0.67466542 -1.9591897
Round8842-----squared error: 3.9131 parameter: [18.398 6 -0.16255653]	0.67466523 -1.9591899
Round8843-----squared error: 3.9131 parameter: [18.398 3 -0.1625565]	0.67466504 -1.9591901
Round8844-----squared error: 3.9131 parameter: [18.398 1 -0.16255647]	0.67466484 -1.9591903
Round8845-----squared error: 3.9131 parameter: [18.398 8 -0.16255644]	0.67466465 -1.9591904
Round8846-----squared error: 3.9131 parameter: [18.398 6 -0.16255641]	0.67466446 -1.9591906
Round8847-----squared error: 3.9131 parameter: [18.398 3 -0.16255638]	0.67466426 -1.9591908
Round8848-----squared error: 3.9131 parameter: [18.398 1 -0.16255635]	0.67466407 -1.9591910
Round8849-----squared error: 3.9131 parameter: [18.398 8 -0.16255632]	0.67466388 -1.9591911
Round8850-----squared error: 3.9131 parameter: [18.398 6 -0.16255629]	0.67466368 -1.9591913
Round8851-----squared error: 3.9131 parameter: [18.398 3 -0.16255626]	0.67466349 -1.9591915
Round8852-----squared error: 3.9131 parameter: [18.398 1 -0.16255624]	0.6746633 -1.9591917
Round8853-----squared error: 3.9131 parameter: [18.398 8 -0.16255621]	0.67466311 -1.9591918
Round8854-----squared error: 3.9131 parameter: [18.398 5 -0.16255618]	0.67466292 -1.9591920
Round8855-----squared error: 3.9131 parameter: [18.398 3 -0.16255615]	0.67466272 -1.9591922
Round8856-----squared error: 3.9131 parameter: [18.398 -0.16255612]	0.67466253 -1.9591924
Round8857-----squared error: 3.9131 parameter: [18.398 7 -0.16255609]	0.67466234 -1.9591925
Round8858-----squared error: 3.9131 parameter: [18.398 5 -0.16255606]	0.67466215 -1.9591927
Round8859-----squared error: 3.9131 parameter: [18.398 2 -0.16255603]	0.67466196 -1.9591929
Round8860-----squared error: 3.9131 parameter: [18.398 9 -0.162556]	0.67466177 -1.9591930
Round8861-----squared error: 3.9131 parameter: [18.398 6 -0.16255597]	0.67466158 -1.9591932
Round8862-----squared error: 3.9131 parameter: [18.398 4 -0.16255594]	0.67466139 -1.9591934
Round8863-----squared error: 3.9131 parameter: [18.398 1 -0.16255591]	0.6746612 -1.9591936
Round8864-----squared error: 3.9131 parameter: [18.398 8 -0.16255589]	0.67466101 -1.9591937

Round8865-----squared error: 3.9131 parameter: [18.398 5 -0.16255586]	0.67466082 -1.9591939
Round8866-----squared error: 3.9131 parameter: [18.398 2 -0.16255583]	0.67466063 -1.9591941
Round8867-----squared error: 3.9131 parameter: [18.398 9 -0.1625558]	0.67466044 -1.9591942
Round8868-----squared error: 3.9131 parameter: [18.398 7 -0.16255577]	0.67466025 -1.9591944
Round8869-----squared error: 3.9131 parameter: [18.398 4 -0.16255574]	0.67466006 -1.9591946
Round8870-----squared error: 3.9131 parameter: [18.398 1 -0.16255571]	0.67465987 -1.9591948
Round8871-----squared error: 3.9131 parameter: [18.398 8 -0.16255568]	0.67465968 -1.9591949
Round8872-----squared error: 3.9131 parameter: [18.398 5 -0.16255565]	0.6746595 -1.9591951
Round8873-----squared error: 3.9131 parameter: [18.398 2 -0.16255563]	0.67465931 -1.9591953
Round8874-----squared error: 3.9131 parameter: [18.398 9 -0.1625556]	0.67465912 -1.9591954
Round8875-----squared error: 3.9131 parameter: [18.398 6 -0.16255557]	0.67465893 -1.9591956
Round8876-----squared error: 3.9131 parameter: [18.398 3 -0.16255554]	0.67465874 -1.9591958
Round8877-----squared error: 3.9131 parameter: [18.398 -0.16255551]	0.67465856 -1.959196
Round8878-----squared error: 3.9131 parameter: [18.398 7 -0.16255548]	0.67465837 -1.9591961
Round8879-----squared error: 3.9131 parameter: [18.398 4 -0.16255545]	0.67465818 -1.9591963
Round8880-----squared error: 3.9131 parameter: [18.398 1 -0.16255542]	0.67465799 -1.9591965
Round8881-----squared error: 3.9131 parameter: [18.398 8 -0.1625554]	0.67465781 -1.9591966
Round8882-----squared error: 3.9131 parameter: [18.398 5 -0.16255537]	0.67465762 -1.9591968
Round8883-----squared error: 3.9131 parameter: [18.398 2 -0.16255534]	0.67465743 -1.9591970
Round8884-----squared error: 3.9131 parameter: [18.398 8 -0.16255531]	0.67465725 -1.9591971
Round8885-----squared error: 3.9131 parameter: [18.398 5 -0.16255528]	0.67465706 -1.9591973
Round8886-----squared error: 3.9131 parameter: [18.398 2 -0.16255525]	0.67465688 -1.9591975
Round8887-----squared error: 3.9131 parameter: [18.398 9 -0.16255523]	0.67465669 -1.9591976
Round8888-----squared error: 3.9131 parameter: [18.398 6 -0.1625552]	0.6746565 -1.9591978
Round8889-----squared error: 3.9131 parameter: [18.398 3 -0.16255517]	0.67465632 -1.9591980
Round8890-----squared error: 3.9131 parameter: [18.398 9 -0.16255514]	0.67465613 -1.9591981
Round8891-----squared error: 3.9131 parameter: [18.398 6 -0.16255511]	0.67465595 -1.9591983
Round8892-----squared error: 3.9131 parameter: [18.398 3 -0.16255508]	0.67465576 -1.9591985
Round8893-----squared error: 3.9131 parameter: [18.398 -0.16255506]	0.67465558 -1.9591987
Round8894-----squared error: 3.9131 parameter: [18.398 6 -0.16255503]	0.67465539 -1.9591988
Round8895-----squared error: 3.9131 parameter: [18.398 3 -0.162555]	0.67465521 -1.9591990
Round8896-----squared error: 3.9131 parameter: [18.398 -0.16255497]	0.67465503 -1.9591992

Round8897-----squared error: 3.9131 parameter: [18.398 6 -0.16255494]	0.67465484 -1.9591993
Round8898-----squared error: 3.9131 parameter: [18.398 3 -0.16255492]	0.67465466 -1.9591995
Round8899-----squared error: 3.9131 parameter: [18.398 -0.16255489]	0.67465447 -1.9591997
Round8900-----squared error: 3.9131 parameter: [18.398 6 -0.16255486]	0.67465429 -1.9591998
Round8901-----squared error: 3.9131 parameter: [18.398 3 -0.16255483]	0.67465411 -1.9592000
Round8902-----squared error: 3.9131 parameter: [18.398 9 -0.1625548]	0.67465392 -1.9592001
Round8903-----squared error: 3.9131 parameter: [18.398 6 -0.16255478]	0.67465374 -1.9592003
Round8904-----squared error: 3.9131 parameter: [18.398 2 -0.16255475]	0.67465356 -1.9592005
Round8905-----squared error: 3.9131 parameter: [18.398 9 -0.16255472]	0.67465338 -1.9592006
Round8906-----squared error: 3.9131 parameter: [18.398 5 -0.16255469]	0.67465319 -1.9592008
Round8907-----squared error: 3.9131 parameter: [18.398 2 -0.16255466]	0.67465301 -1.9592010
Round8908-----squared error: 3.9131 parameter: [18.398 8 -0.16255464]	0.67465283 -1.9592011
Round8909-----squared error: 3.9131 parameter: [18.398 5 -0.16255461]	0.67465265 -1.9592013
Round8910-----squared error: 3.9131 parameter: [18.398 1 -0.16255458]	0.67465247 -1.9592015
Round8911-----squared error: 3.9131 parameter: [18.398 8 -0.16255455]	0.67465228 -1.9592016
Round8912-----squared error: 3.9131 parameter: [18.398 4 -0.16255452]	0.6746521 -1.9592018
Round8913-----squared error: 3.9131 parameter: [18.398 1 -0.1625545]	0.67465192 -1.9592020
Round8914-----squared error: 3.9131 parameter: [18.398 7 -0.16255447]	0.67465174 -1.9592021
Round8915-----squared error: 3.9131 parameter: [18.398 3 -0.16255444]	0.67465156 -1.9592023
Round8916-----squared error: 3.9131 parameter: [18.398 -0.16255441]	0.67465138 -1.9592025
Round8917-----squared error: 3.9131 parameter: [18.398 6 -0.16255439]	0.6746512 -1.9592026
Round8918-----squared error: 3.9131 parameter: [18.398 2 -0.16255436]	0.67465102 -1.9592028
Round8919-----squared error: 3.9131 parameter: [18.398 9 -0.16255433]	0.67465084 -1.9592029
Round8920-----squared error: 3.9131 parameter: [18.398 5 -0.1625543]	0.67465066 -1.9592031
Round8921-----squared error: 3.9131 parameter: [18.398 1 -0.16255428]	0.67465048 -1.9592033
Round8922-----squared error: 3.9131 parameter: [18.398 7 -0.16255425]	0.6746503 -1.9592034
Round8923-----squared error: 3.9131 parameter: [18.398 4 -0.16255422]	0.67465012 -1.9592036
Round8924-----squared error: 3.9131 parameter: [18.398 -0.16255419]	0.67464994 -1.9592038
Round8925-----squared error: 3.9131 parameter: [18.398 6 -0.16255417]	0.67464976 -1.9592039
Round8926-----squared error: 3.9131 parameter: [18.398 2 -0.16255414]	0.67464958 -1.9592041
Round8927-----squared error: 3.9131 parameter: [18.398 9 -0.16255411]	0.6746494 -1.9592042
Round8928-----squared error: 3.9131 parameter: [18.398 5 -0.16255409]	0.67464923 -1.9592044

Round8929-----squared error: 3.9131 parameter: [18.398 1 -0.16255406]	0.67464905 -1.9592046
Round8930-----squared error: 3.9131 parameter: [18.398 7 -0.16255403]	0.67464887 -1.9592047
Round8931-----squared error: 3.9131 parameter: [18.398 3 -0.162554]	0.67464869 -1.9592049
Round8932-----squared error: 3.9131 parameter: [18.398 9 -0.16255398]	0.67464851 -1.9592050
Round8933-----squared error: 3.9131 parameter: [18.398 5 -0.16255395]	0.67464834 -1.9592052
Round8934-----squared error: 3.9131 parameter: [18.398 1 -0.16255392]	0.67464816 -1.9592054
Round8935-----squared error: 3.9131 parameter: [18.398 7 -0.16255389]	0.67464798 -1.9592055
Round8936-----squared error: 3.9131 parameter: [18.398 4 -0.16255387]	0.6746478 -1.9592057
Round8937-----squared error: 3.9131 parameter: [18.398 -0.16255384]	0.67464763 -1.9592059
Round8938-----squared error: 3.9131 parameter: [18.398 6 -0.16255381]	0.67464745 -1.9592060
Round8939-----squared error: 3.9131 parameter: [18.398 2 -0.16255379]	0.67464727 -1.9592062
Round8940-----squared error: 3.9131 parameter: [18.398 8 -0.16255376]	0.6746471 -1.9592063
Round8941-----squared error: 3.9131 parameter: [18.398 3 -0.16255373]	0.67464692 -1.9592065
Round8942-----squared error: 3.9131 parameter: [18.398 9 -0.16255371]	0.67464674 -1.9592066
Round8943-----squared error: 3.9131 parameter: [18.398 5 -0.16255368]	0.67464657 -1.9592068
Round8944-----squared error: 3.9131 parameter: [18.398 1 -0.16255365]	0.67464639 -1.9592070
Round8945-----squared error: 3.9131 parameter: [18.398 7 -0.16255363]	0.67464622 -1.9592071
Round8946-----squared error: 3.9131 parameter: [18.398 3 -0.1625536]	0.67464604 -1.9592073
Round8947-----squared error: 3.9131 parameter: [18.398 9 -0.16255357]	0.67464586 -1.9592074
Round8948-----squared error: 3.9131 parameter: [18.398 5 -0.16255354]	0.67464569 -1.9592076
Round8949-----squared error: 3.9131 parameter: [18.398 1 -0.16255352]	0.67464551 -1.9592078
Round8950-----squared error: 3.9131 parameter: [18.398 6 -0.16255349]	0.67464534 -1.9592079
Round8951-----squared error: 3.9131 parameter: [18.398 2 -0.16255346]	0.67464517 -1.9592081
Round8952-----squared error: 3.9131 parameter: [18.398 8 -0.16255344]	0.67464499 -1.9592082
Round8953-----squared error: 3.9131 parameter: [18.398 4 -0.16255341]	0.67464482 -1.9592084
Round8954-----squared error: 3.9131 parameter: [18.398 -0.16255338]	0.67464464 -1.9592086
Round8955-----squared error: 3.9131 parameter: [18.398 5 -0.16255336]	0.67464447 -1.9592087
Round8956-----squared error: 3.9131 parameter: [18.398 1 -0.16255333]	0.67464429 -1.9592089
Round8957-----squared error: 3.9131 parameter: [18.398 7 -0.16255331]	0.67464412 -1.9592090
Round8958-----squared error: 3.9131 parameter: [18.398 3 -0.16255328]	0.67464395 -1.9592092
Round8959-----squared error: 3.9131 parameter: [18.398 8 -0.16255325]	0.67464377 -1.9592093
Round8960-----squared error: 3.9131 parameter: [18.398 4 -0.16255323]	0.6746436 -1.9592095

Round8961-----squared error: 3.9131 parameter: [18.398 -0.1625532]	0.67464343 -1.9592097
Round8962-----squared error: 3.9131 parameter: [18.398 5 -0.16255317]	0.67464325 -1.9592098
Round8963-----squared error: 3.9131 parameter: [18.398 1 -0.16255315]	0.67464308 -1.9592100
Round8964-----squared error: 3.9131 parameter: [18.398 6 -0.16255312]	0.67464291 -1.9592101
Round8965-----squared error: 3.9131 parameter: [18.398 2 -0.16255309]	0.67464274 -1.9592103
Round8966-----squared error: 3.9131 parameter: [18.398 8 -0.16255307]	0.67464257 -1.9592104
Round8967-----squared error: 3.9131 parameter: [18.398 3 -0.16255304]	0.67464239 -1.9592106
Round8968-----squared error: 3.9131 parameter: [18.398 9 -0.16255302]	0.67464222 -1.9592107
Round8969-----squared error: 3.9131 parameter: [18.398 4 -0.16255299]	0.67464205 -1.9592109
Round8970-----squared error: 3.9131 parameter: [18.398 -0.16255296]	0.67464188 -1.9592111
Round8971-----squared error: 3.9131 parameter: [18.398 5 -0.16255294]	0.67464171 -1.9592112
Round8972-----squared error: 3.9131 parameter: [18.398 1 -0.16255291]	0.67464154 -1.9592114
Round8973-----squared error: 3.9131 parameter: [18.398 6 -0.16255288]	0.67464136 -1.9592115
Round8974-----squared error: 3.9131 parameter: [18.398 2 -0.16255286]	0.67464119 -1.9592117
Round8975-----squared error: 3.9131 parameter: [18.398 7 -0.16255283]	0.67464102 -1.9592118
Round8976-----squared error: 3.9131 parameter: [18.398 3 -0.16255281]	0.67464085 -1.9592120
Round8977-----squared error: 3.9131 parameter: [18.398 8 -0.16255278]	0.67464068 -1.9592121
Round8978-----squared error: 3.9131 parameter: [18.398 4 -0.16255275]	0.67464051 -1.9592123
Round8979-----squared error: 3.9131 parameter: [18.398 9 -0.16255273]	0.67464034 -1.9592124
Round8980-----squared error: 3.9131 parameter: [18.398 4 -0.1625527]	0.67464017 -1.9592126
Round8981-----squared error: 3.9131 parameter: [18.398 -0.16255268]	0.67464 -1.9592128
Round8982-----squared error: 3.9131 parameter: [18.398 5 -0.16255265]	0.67463983 -1.9592129
Round8983-----squared error: 3.9131 parameter: [18.398 -0.16255262]	0.67463966 -1.9592131
Round8984-----squared error: 3.9131 parameter: [18.398 6 -0.1625526]	0.67463949 -1.9592132
Round8985-----squared error: 3.9131 parameter: [18.398 1 -0.16255257]	0.67463933 -1.9592134
Round8986-----squared error: 3.9131 parameter: [18.398 6 -0.16255255]	0.67463916 -1.9592135
Round8987-----squared error: 3.9131 parameter: [18.398 2 -0.16255252]	0.67463899 -1.9592137
Round8988-----squared error: 3.9131 parameter: [18.398 7 -0.1625525]	0.67463882 -1.9592138
Round8989-----squared error: 3.9131 parameter: [18.398 2 -0.16255247]	0.67463865 -1.9592140
Round8990-----squared error: 3.9131 parameter: [18.398 7 -0.16255244]	0.67463848 -1.9592141
Round8991-----squared error: 3.9131 parameter: [18.398 2 -0.16255242]	0.67463831 -1.9592143
Round8992-----squared error: 3.9131 parameter: [18.398 8 -0.16255239]	0.67463815 -1.9592144

Round8993-----squared error: 3.9131 parameter: [18.398 3 -0.16255237]	0.67463798 -1.9592146
Round8994-----squared error: 3.9131 parameter: [18.398 8 -0.16255234]	0.67463781 -1.9592147
Round8995-----squared error: 3.9131 parameter: [18.398 3 -0.16255232]	0.67463764 -1.9592149
Round8996-----squared error: 3.9131 parameter: [18.398 8 -0.16255229]	0.67463748 -1.9592150
Round8997-----squared error: 3.9131 parameter: [18.398 3 -0.16255226]	0.67463731 -1.9592152
Round8998-----squared error: 3.9131 parameter: [18.398 9 -0.16255224]	0.67463714 -1.9592153
Round8999-----squared error: 3.9131 parameter: [18.398 4 -0.16255221]	0.67463698 -1.9592155
Round9000-----squared error: 3.9131 parameter: [18.398 9 -0.16255219]	0.67463681 -1.9592156
Round9001-----squared error: 3.9131 parameter: [18.398 4 -0.16255216]	0.67463664 -1.9592158
Round9002-----squared error: 3.9131 parameter: [18.398 9 -0.16255214]	0.67463648 -1.9592159
Round9003-----squared error: 3.9131 parameter: [18.398 4 -0.16255211]	0.67463631 -1.9592161
Round9004-----squared error: 3.9131 parameter: [18.398 9 -0.16255209]	0.67463614 -1.9592162
Round9005-----squared error: 3.9131 parameter: [18.398 4 -0.16255206]	0.67463598 -1.9592164
Round9006-----squared error: 3.9131 parameter: [18.398 9 -0.16255204]	0.67463581 -1.9592165
Round9007-----squared error: 3.9131 parameter: [18.398 4 -0.16255201]	0.67463565 -1.9592167
Round9008-----squared error: 3.9131 parameter: [18.398 9 -0.16255199]	0.67463548 -1.9592168
Round9009-----squared error: 3.9131 parameter: [18.398 4 -0.16255196]	0.67463532 -1.9592170
Round9010-----squared error: 3.9131 parameter: [18.398 9 -0.16255194]	0.67463515 -1.9592171
Round9011-----squared error: 3.9131 parameter: [18.398 4 -0.16255191]	0.67463499 -1.9592173
Round9012-----squared error: 3.9131 parameter: [18.398 9 -0.16255188]	0.67463482 -1.9592174
Round9013-----squared error: 3.9131 parameter: [18.398 4 -0.16255186]	0.67463466 -1.9592176
Round9014-----squared error: 3.9131 parameter: [18.398 8 -0.16255183]	0.67463449 -1.9592177
Round9015-----squared error: 3.9131 parameter: [18.398 3 -0.16255181]	0.67463433 -1.9592179
Round9016-----squared error: 3.9131 parameter: [18.398 8 -0.16255178]	0.67463417 -1.9592180
Round9017-----squared error: 3.9131 parameter: [18.398 3 -0.16255176]	0.674634 -1.9592182
Round9018-----squared error: 3.9131 parameter: [18.398 8 -0.16255173]	0.67463384 -1.9592183
Round9019-----squared error: 3.9131 parameter: [18.398 3 -0.16255171]	0.67463367 -1.9592185
Round9020-----squared error: 3.9131 parameter: [18.398 7 -0.16255168]	0.67463351 -1.9592186
Round9021-----squared error: 3.9131 parameter: [18.398 2 -0.16255166]	0.67463335 -1.9592188
Round9022-----squared error: 3.9131 parameter: [18.398 7 -0.16255163]	0.67463318 -1.9592189
Round9023-----squared error: 3.9131 parameter: [18.398 2 -0.16255161]	0.67463302 -1.9592191
Round9024-----squared error: 3.9131 parameter: [18.398 6 -0.16255158]	0.67463286 -1.9592192

Round9025-----squared error: 3.9131 parameter: [18.398 1 -0.16255156]	0.6746327 -1.9592194
Round9026-----squared error: 3.9131 parameter: [18.398 6 -0.16255154]	0.67463253 -1.9592195
Round9027-----squared error: 3.9131 parameter: [18.398 1 -0.16255151]	0.67463237 -1.9592197
Round9028-----squared error: 3.9131 parameter: [18.398 5 -0.16255149]	0.67463221 -1.9592198
Round9029-----squared error: 3.9131 parameter: [18.398 -0.16255146]	0.67463205 -1.95922
Round9030-----squared error: 3.9131 parameter: [18.398 5 -0.16255144]	0.67463188 -1.9592201
Round9031-----squared error: 3.9131 parameter: [18.398 9 -0.16255141]	0.67463172 -1.9592202
Round9032-----squared error: 3.9131 parameter: [18.398 4 -0.16255139]	0.67463156 -1.9592204
Round9033-----squared error: 3.9131 parameter: [18.398 8 -0.16255136]	0.6746314 -1.9592205
Round9034-----squared error: 3.9131 parameter: [18.398 3 -0.16255134]	0.67463124 -1.9592207
Round9035-----squared error: 3.9131 parameter: [18.398 8 -0.16255131]	0.67463108 -1.9592208
Round9036-----squared error: 3.9131 parameter: [18.398 2 -0.16255129]	0.67463092 -1.9592210
Round9037-----squared error: 3.9131 parameter: [18.398 7 -0.16255126]	0.67463076 -1.9592211
Round9038-----squared error: 3.9131 parameter: [18.398 1 -0.16255124]	0.6746306 -1.9592213
Round9039-----squared error: 3.9131 parameter: [18.398 6 -0.16255121]	0.67463043 -1.9592214
Round9040-----squared error: 3.9131 parameter: [18.398 -0.16255119]	0.67463027 -1.9592216
Round9041-----squared error: 3.9131 parameter: [18.398 5 -0.16255117]	0.67463011 -1.9592217
Round9042-----squared error: 3.9131 parameter: [18.398 9 -0.16255114]	0.67462995 -1.9592218
Round9043-----squared error: 3.9131 parameter: [18.398 4 -0.16255112]	0.67462979 -1.9592220
Round9044-----squared error: 3.9131 parameter: [18.398 8 -0.16255109]	0.67462963 -1.9592221
Round9045-----squared error: 3.9131 parameter: [18.398 3 -0.16255107]	0.67462948 -1.9592223
Round9046-----squared error: 3.9131 parameter: [18.398 7 -0.16255104]	0.67462932 -1.9592224
Round9047-----squared error: 3.9131 parameter: [18.398 2 -0.16255102]	0.67462916 -1.9592226
Round9048-----squared error: 3.9131 parameter: [18.398 6 -0.162551]	0.674629 -1.9592227
Round9049-----squared error: 3.9131 parameter: [18.398 -0.16255097]	0.67462884 -1.9592229
Round9050-----squared error: 3.9131 parameter: [18.398 5 -0.16255095]	0.67462868 -1.9592230
Round9051-----squared error: 3.9131 parameter: [18.398 9 -0.16255092]	0.67462852 -1.9592231
Round9052-----squared error: 3.9131 parameter: [18.398 3 -0.1625509]	0.67462836 -1.9592233
Round9053-----squared error: 3.9131 parameter: [18.398 8 -0.16255087]	0.6746282 -1.9592234
Round9054-----squared error: 3.9131 parameter: [18.398 2 -0.16255085]	0.67462805 -1.9592236
Round9055-----squared error: 3.9131 parameter: [18.398 6 -0.16255083]	0.67462789 -1.9592237
Round9056-----squared error: 3.9131 parameter: [18.398 1 -0.1625508]	0.67462773 -1.9592239

Round9057-----squared error: 3.9131 parameter: [18.398 5 -0.16255078]	0.67462757 -1.9592240
Round9058-----squared error: 3.9131 parameter: [18.398 9 -0.16255075]	0.67462742 -1.9592241
Round9059-----squared error: 3.9131 parameter: [18.398 3 -0.16255073]	0.67462726 -1.9592243
Round9060-----squared error: 3.9131 parameter: [18.398 8 -0.16255071]	0.6746271 -1.9592244
Round9061-----squared error: 3.9131 parameter: [18.398 2 -0.16255068]	0.67462694 -1.9592246
Round9062-----squared error: 3.9131 parameter: [18.398 6 -0.16255066]	0.67462679 -1.9592247
Round9063-----squared error: 3.9131 parameter: [18.398 -0.16255063]	0.67462663 -1.9592249
Round9064-----squared error: 3.9131 parameter: [18.398 5 -0.16255061]	0.67462647 -1.9592250
Round9065-----squared error: 3.9131 parameter: [18.398 9 -0.16255059]	0.67462632 -1.9592251
Round9066-----squared error: 3.9131 parameter: [18.398 3 -0.16255056]	0.67462616 -1.9592253
Round9067-----squared error: 3.9131 parameter: [18.398 7 -0.16255054]	0.674626 -1.9592254
Round9068-----squared error: 3.9131 parameter: [18.398 1 -0.16255051]	0.67462585 -1.9592256
Round9069-----squared error: 3.9131 parameter: [18.398 5 -0.16255049]	0.67462569 -1.9592257
Round9070-----squared error: 3.9131 parameter: [18.398 9 -0.16255047]	0.67462554 -1.9592258
Round9071-----squared error: 3.9131 parameter: [18.398 3 -0.16255044]	0.67462538 -1.9592260
Round9072-----squared error: 3.9131 parameter: [18.398 7 -0.16255042]	0.67462523 -1.9592261
Round9073-----squared error: 3.9131 parameter: [18.398 2 -0.1625504]	0.67462507 -1.9592263
Round9074-----squared error: 3.9131 parameter: [18.398 6 -0.16255037]	0.67462491 -1.9592264
Round9075-----squared error: 3.9131 parameter: [18.398 -0.16255035]	0.67462476 -1.9592266
Round9076-----squared error: 3.9131 parameter: [18.398 4 -0.16255032]	0.6746246 -1.9592267
Round9077-----squared error: 3.9131 parameter: [18.398 8 -0.1625503]	0.67462445 -1.9592268
Round9078-----squared error: 3.9131 parameter: [18.398 2 -0.16255028]	0.6746243 -1.9592270
Round9079-----squared error: 3.9131 parameter: [18.398 6 -0.16255025]	0.67462414 -1.9592271
Round9080-----squared error: 3.9131 parameter: [18.398 -0.16255023]	0.67462399 -1.9592273
Round9081-----squared error: 3.9131 parameter: [18.398 4 -0.16255021]	0.67462383 -1.9592274
Round9082-----squared error: 3.9131 parameter: [18.398 7 -0.16255018]	0.67462368 -1.9592275
Round9083-----squared error: 3.9131 parameter: [18.398 1 -0.16255016]	0.67462353 -1.9592277
Round9084-----squared error: 3.9131 parameter: [18.398 5 -0.16255014]	0.67462337 -1.9592278
Round9085-----squared error: 3.9131 parameter: [18.398 9 -0.16255011]	0.67462322 -1.9592279
Round9086-----squared error: 3.9131 parameter: [18.398 3 -0.16255009]	0.67462306 -1.9592281
Round9087-----squared error: 3.9131 parameter: [18.398 7 -0.16255007]	0.67462291 -1.9592282
Round9088-----squared error: 3.9131 parameter: [18.398 1 -0.16255004]	0.67462276 -1.9592284

Round9089-----squared error: 3.9131 parameter: [18.398 5 -0.16255002]	0.67462261 -1.9592285
Round9090-----squared error: 3.9131 parameter: [18.398 8 -0.16255]	0.67462245 -1.9592286
Round9091-----squared error: 3.9131 parameter: [18.398 2 -0.16254997]	0.6746223 -1.9592288
Round9092-----squared error: 3.9131 parameter: [18.398 6 -0.16254995]	0.67462215 -1.9592289
Round9093-----squared error: 3.9131 parameter: [18.398 -0.16254993]	0.674622 -1.9592291
Round9094-----squared error: 3.9131 parameter: [18.398 4 -0.1625499]	0.67462184 -1.9592292
Round9095-----squared error: 3.9131 parameter: [18.398 7 -0.16254988]	0.67462169 -1.9592293
Round9096-----squared error: 3.9131 parameter: [18.398 1 -0.16254986]	0.67462154 -1.9592295
Round9097-----squared error: 3.9131 parameter: [18.398 5 -0.16254983]	0.67462139 -1.9592296
Round9098-----squared error: 3.9131 parameter: [18.398 9 -0.16254981]	0.67462124 -1.9592297
Round9099-----squared error: 3.9131 parameter: [18.398 2 -0.16254979]	0.67462108 -1.9592299
Round9100-----squared error: 3.9131 parameter: [18.398 6 -0.16254976]	0.67462093 -1.9592300
Round9101-----squared error: 3.9131 parameter: [18.398 -0.16254974]	0.67462078 -1.9592302
Round9102-----squared error: 3.9131 parameter: [18.398 3 -0.16254972]	0.67462063 -1.9592303
Round9103-----squared error: 3.9131 parameter: [18.398 7 -0.16254969]	0.67462048 -1.9592304
Round9104-----squared error: 3.9131 parameter: [18.398 1 -0.16254967]	0.67462033 -1.9592306
Round9105-----squared error: 3.9131 parameter: [18.398 4 -0.16254965]	0.67462018 -1.9592307
Round9106-----squared error: 3.9131 parameter: [18.398 8 -0.16254963]	0.67462003 -1.9592308
Round9107-----squared error: 3.9131 parameter: [18.398 2 -0.1625496]	0.67461988 -1.9592310
Round9108-----squared error: 3.9131 parameter: [18.398 5 -0.16254958]	0.67461973 -1.9592311
Round9109-----squared error: 3.9131 parameter: [18.398 9 -0.16254956]	0.67461958 -1.9592312
Round9110-----squared error: 3.9131 parameter: [18.398 2 -0.16254953]	0.67461943 -1.9592314
Round9111-----squared error: 3.9131 parameter: [18.398 6 -0.16254951]	0.67461928 -1.9592315
Round9112-----squared error: 3.9131 parameter: [18.398 9 -0.16254949]	0.67461913 -1.9592316
Round9113-----squared error: 3.9131 parameter: [18.398 3 -0.16254946]	0.67461898 -1.9592318
Round9114-----squared error: 3.9131 parameter: [18.398 6 -0.16254944]	0.67461883 -1.9592319
Round9115-----squared error: 3.9131 parameter: [18.398 -0.16254942]	0.67461868 -1.9592321
Round9116-----squared error: 3.9131 parameter: [18.398 3 -0.1625494]	0.67461853 -1.9592322
Round9117-----squared error: 3.9131 parameter: [18.398 7 -0.16254937]	0.67461838 -1.9592323
Round9118-----squared error: 3.9131 parameter: [18.398 -0.16254935]	0.67461823 -1.9592325
Round9119-----squared error: 3.9131 parameter: [18.398 4 -0.16254933]	0.67461809 -1.9592326
Round9120-----squared error: 3.9131 parameter: [18.398 7 -0.16254931]	0.67461794 -1.9592327

Round9121-----squared error: 3.9131 parameter: [18.398 1 -0.16254928]	0.67461779 -1.9592329
Round9122-----squared error: 3.9131 parameter: [18.398 4 -0.16254926]	0.67461764 -1.9592330
Round9123-----squared error: 3.9131 parameter: [18.398 8 -0.16254924]	0.67461749 -1.9592331
Round9124-----squared error: 3.9131 parameter: [18.398 1 -0.16254922]	0.67461734 -1.9592333
Round9125-----squared error: 3.9131 parameter: [18.398 4 -0.16254919]	0.6746172 -1.9592334
Round9126-----squared error: 3.9131 parameter: [18.398 8 -0.16254917]	0.67461705 -1.9592335
Round9127-----squared error: 3.9131 parameter: [18.398 1 -0.16254915]	0.6746169 -1.9592337
Round9128-----squared error: 3.9131 parameter: [18.398 4 -0.16254913]	0.67461675 -1.9592338
Round9129-----squared error: 3.9131 parameter: [18.398 8 -0.1625491]	0.67461661 -1.9592339
Round9130-----squared error: 3.9131 parameter: [18.398 1 -0.16254908]	0.67461646 -1.9592341
Round9131-----squared error: 3.9131 parameter: [18.398 4 -0.16254906]	0.67461631 -1.9592342
Round9132-----squared error: 3.9131 parameter: [18.398 8 -0.16254904]	0.67461617 -1.9592343
Round9133-----squared error: 3.9131 parameter: [18.398 1 -0.16254901]	0.67461602 -1.9592345
Round9134-----squared error: 3.9131 parameter: [18.398 4 -0.16254899]	0.67461587 -1.9592346
Round9135-----squared error: 3.9131 parameter: [18.398 7 -0.16254897]	0.67461573 -1.9592347
Round9136-----squared error: 3.9131 parameter: [18.398 1 -0.16254895]	0.67461558 -1.9592349
Round9137-----squared error: 3.9131 parameter: [18.398 4 -0.16254892]	0.67461544 -1.9592350
Round9138-----squared error: 3.9131 parameter: [18.398 7 -0.1625489]	0.67461529 -1.9592351
Round9139-----squared error: 3.9131 parameter: [18.398 -0.16254888]	0.67461514 -1.9592353
Round9140-----squared error: 3.9131 parameter: [18.398 3 -0.16254886]	0.674615 -1.9592354
Round9141-----squared error: 3.9131 parameter: [18.398 6 -0.16254883]	0.67461485 -1.9592355
Round9142-----squared error: 3.9131 parameter: [18.398 -0.16254881]	0.67461471 -1.9592357
Round9143-----squared error: 3.9131 parameter: [18.398 3 -0.16254879]	0.67461456 -1.9592358
Round9144-----squared error: 3.9131 parameter: [18.398 6 -0.16254877]	0.67461442 -1.9592359
Round9145-----squared error: 3.9131 parameter: [18.398 9 -0.16254875]	0.67461427 -1.9592360
Round9146-----squared error: 3.9131 parameter: [18.398 2 -0.16254872]	0.67461413 -1.9592362
Round9147-----squared error: 3.9131 parameter: [18.398 5 -0.1625487]	0.67461398 -1.9592363
Round9148-----squared error: 3.9131 parameter: [18.398 8 -0.16254868]	0.67461384 -1.9592364
Round9149-----squared error: 3.9131 parameter: [18.398 1 -0.16254866]	0.67461369 -1.9592366
Round9150-----squared error: 3.9131 parameter: [18.398 4 -0.16254864]	0.67461355 -1.9592367
Round9151-----squared error: 3.9131 parameter: [18.398 7 -0.16254861]	0.67461341 -1.9592368
Round9152-----squared error: 3.9131 parameter: [18.398 -0.16254859]	0.67461326 -1.959237

Round9153-----squared error: 3.9131 parameter: [18.398 4 -0.16254857]	0.67461312 -1.9592371
Round9154-----squared error: 3.9131 parameter: [18.398 7 -0.16254855]	0.67461297 -1.9592372
Round9155-----squared error: 3.9131 parameter: [18.398 -0.16254853]	0.67461283 -1.9592374
Round9156-----squared error: 3.9131 parameter: [18.398 2 -0.1625485]	0.67461269 -1.9592375
Round9157-----squared error: 3.9131 parameter: [18.398 5 -0.16254848]	0.67461254 -1.9592376
Round9158-----squared error: 3.9131 parameter: [18.398 8 -0.16254846]	0.6746124 -1.9592377
Round9159-----squared error: 3.9131 parameter: [18.398 1 -0.16254844]	0.67461226 -1.9592379
Round9160-----squared error: 3.9131 parameter: [18.398 4 -0.16254842]	0.67461212 -1.9592380
Round9161-----squared error: 3.9131 parameter: [18.398 7 -0.16254839]	0.67461197 -1.9592381
Round9162-----squared error: 3.9131 parameter: [18.398 -0.16254837]	0.67461183 -1.9592383
Round9163-----squared error: 3.9131 parameter: [18.398 3 -0.16254835]	0.67461169 -1.9592384
Round9164-----squared error: 3.9131 parameter: [18.398 6 -0.16254833]	0.67461155 -1.9592385
Round9165-----squared error: 3.9131 parameter: [18.398 9 -0.16254831]	0.6746114 -1.9592386
Round9166-----squared error: 3.9131 parameter: [18.398 2 -0.16254829]	0.67461126 -1.9592388
Round9167-----squared error: 3.9131 parameter: [18.398 4 -0.16254826]	0.67461112 -1.9592389
Round9168-----squared error: 3.9131 parameter: [18.398 7 -0.16254824]	0.67461098 -1.9592390
Round9169-----squared error: 3.9131 parameter: [18.398 -0.16254822]	0.67461084 -1.9592392
Round9170-----squared error: 3.9131 parameter: [18.398 3 -0.1625482]	0.6746107 -1.9592393
Round9171-----squared error: 3.9131 parameter: [18.398 6 -0.16254818]	0.67461055 -1.9592394
Round9172-----squared error: 3.9131 parameter: [18.398 8 -0.16254816]	0.67461041 -1.9592395
Round9173-----squared error: 3.9131 parameter: [18.398 1 -0.16254813]	0.67461027 -1.9592397
Round9174-----squared error: 3.9131 parameter: [18.398 4 -0.16254811]	0.67461013 -1.9592398
Round9175-----squared error: 3.9131 parameter: [18.398 7 -0.16254809]	0.67460999 -1.9592399
Round9176-----squared error: 3.9131 parameter: [18.398 9 -0.16254807]	0.67460985 -1.9592400
Round9177-----squared error: 3.9131 parameter: [18.398 2 -0.16254805]	0.67460971 -1.9592402
Round9178-----squared error: 3.9131 parameter: [18.398 5 -0.16254803]	0.67460957 -1.9592403
Round9179-----squared error: 3.9131 parameter: [18.398 8 -0.16254801]	0.67460943 -1.9592404
Round9180-----squared error: 3.9131 parameter: [18.398 -0.16254798]	0.67460929 -1.9592406
Round9181-----squared error: 3.9131 parameter: [18.398 3 -0.16254796]	0.67460915 -1.9592407
Round9182-----squared error: 3.9131 parameter: [18.398 6 -0.16254794]	0.67460901 -1.9592408
Round9183-----squared error: 3.9131 parameter: [18.398 8 -0.16254792]	0.67460887 -1.9592409
Round9184-----squared error: 3.9131 parameter: [18.398 1 -0.1625479]	0.67460873 -1.9592411

Round9185-----squared error: 3.9131 parameter: [18.398 3 -0.16254788]	0.67460859 -1.9592412
Round9186-----squared error: 3.9131 parameter: [18.398 6 -0.16254786]	0.67460845 -1.9592413
Round9187-----squared error: 3.9131 parameter: [18.398 9 -0.16254784]	0.67460831 -1.9592414
Round9188-----squared error: 3.9131 parameter: [18.398 1 -0.16254781]	0.67460817 -1.9592416
Round9189-----squared error: 3.9131 parameter: [18.398 4 -0.16254779]	0.67460803 -1.9592417
Round9190-----squared error: 3.9131 parameter: [18.398 6 -0.16254777]	0.67460789 -1.9592418
Round9191-----squared error: 3.9131 parameter: [18.398 9 -0.16254775]	0.67460776 -1.9592419
Round9192-----squared error: 3.9131 parameter: [18.398 1 -0.16254773]	0.67460762 -1.9592421
Round9193-----squared error: 3.9131 parameter: [18.398 4 -0.16254771]	0.67460748 -1.9592422
Round9194-----squared error: 3.9131 parameter: [18.398 7 -0.16254769]	0.67460734 -1.9592423
Round9195-----squared error: 3.9131 parameter: [18.398 9 -0.16254767]	0.6746072 -1.9592424
Round9196-----squared error: 3.9131 parameter: [18.398 2 -0.16254764]	0.67460707 -1.9592426
Round9197-----squared error: 3.9131 parameter: [18.398 4 -0.16254762]	0.67460693 -1.9592427
Round9198-----squared error: 3.9131 parameter: [18.398 6 -0.1625476]	0.67460679 -1.9592428
Round9199-----squared error: 3.9131 parameter: [18.398 9 -0.16254758]	0.67460665 -1.9592429
Round9200-----squared error: 3.9131 parameter: [18.398 1 -0.16254756]	0.67460651 -1.9592431
Round9201-----squared error: 3.9131 parameter: [18.398 4 -0.16254754]	0.67460638 -1.9592432
Round9202-----squared error: 3.9131 parameter: [18.398 6 -0.16254752]	0.67460624 -1.9592433
Round9203-----squared error: 3.9131 parameter: [18.398 9 -0.1625475]	0.6746061 -1.9592434
Round9204-----squared error: 3.9131 parameter: [18.398 1 -0.16254748]	0.67460597 -1.9592436
Round9205-----squared error: 3.9131 parameter: [18.398 3 -0.16254746]	0.67460583 -1.9592437
Round9206-----squared error: 3.9131 parameter: [18.398 6 -0.16254744]	0.67460569 -1.9592438
Round9207-----squared error: 3.9131 parameter: [18.398 8 -0.16254741]	0.67460556 -1.9592439
Round9208-----squared error: 3.9131 parameter: [18.398 -0.16254739]	0.67460542 -1.9592441
Round9209-----squared error: 3.9131 parameter: [18.398 3 -0.16254737]	0.67460528 -1.9592442
Round9210-----squared error: 3.9131 parameter: [18.398 5 -0.16254735]	0.67460515 -1.9592443
Round9211-----squared error: 3.9131 parameter: [18.398 7 -0.16254733]	0.67460501 -1.9592444
Round9212-----squared error: 3.9131 parameter: [18.398 -0.16254731]	0.67460488 -1.9592446
Round9213-----squared error: 3.9131 parameter: [18.398 2 -0.16254729]	0.67460474 -1.9592447
Round9214-----squared error: 3.9131 parameter: [18.398 4 -0.16254727]	0.6746046 -1.9592448
Round9215-----squared error: 3.9131 parameter: [18.398 7 -0.16254725]	0.67460447 -1.9592449
Round9216-----squared error: 3.9131 parameter: [18.398 9 -0.16254723]	0.67460433 -1.9592450

Round9217-----squared error: 3.9131 parameter: [18.398 1 -0.16254721]	0.6746042 -1.9592452
Round9218-----squared error: 3.9131 parameter: [18.398 3 -0.16254719]	0.67460406 -1.9592453
Round9219-----squared error: 3.9131 parameter: [18.398 5 -0.16254717]	0.67460393 -1.9592454
Round9220-----squared error: 3.9131 parameter: [18.398 8 -0.16254715]	0.67460379 -1.9592455
Round9221-----squared error: 3.9131 parameter: [18.398 -0.16254712]	0.67460366 -1.9592457
Round9222-----squared error: 3.9131 parameter: [18.398 2 -0.1625471]	0.67460352 -1.9592458
Round9223-----squared error: 3.9131 parameter: [18.398 4 -0.16254708]	0.67460339 -1.9592459
Round9224-----squared error: 3.9131 parameter: [18.398 6 -0.16254706]	0.67460326 -1.9592460
Round9225-----squared error: 3.9131 parameter: [18.398 8 -0.16254704]	0.67460312 -1.9592461
Round9226-----squared error: 3.9131 parameter: [18.398 1 -0.16254702]	0.67460299 -1.9592463
Round9227-----squared error: 3.9131 parameter: [18.398 3 -0.162547]	0.67460285 -1.9592464
Round9228-----squared error: 3.9131 parameter: [18.398 5 -0.16254698]	0.67460272 -1.9592465
Round9229-----squared error: 3.9131 parameter: [18.398 7 -0.16254696]	0.67460259 -1.9592466
Round9230-----squared error: 3.9131 parameter: [18.398 9 -0.16254694]	0.67460245 -1.9592467
Round9231-----squared error: 3.9131 parameter: [18.398 1 -0.16254692]	0.67460232 -1.9592469
Round9232-----squared error: 3.9131 parameter: [18.398 3 -0.1625469]	0.67460219 -1.9592470
Round9233-----squared error: 3.9131 parameter: [18.398 5 -0.16254688]	0.67460205 -1.9592471
Round9234-----squared error: 3.9131 parameter: [18.398 7 -0.16254686]	0.67460192 -1.9592472
Round9235-----squared error: 3.9131 parameter: [18.398 9 -0.16254684]	0.67460179 -1.9592473
Round9236-----squared error: 3.9131 parameter: [18.398 1 -0.16254682]	0.67460166 -1.9592475
Round9237-----squared error: 3.9131 parameter: [18.398 3 -0.1625468]	0.67460152 -1.9592476
Round9238-----squared error: 3.9131 parameter: [18.398 5 -0.16254678]	0.67460139 -1.9592477
Round9239-----squared error: 3.9131 parameter: [18.398 7 -0.16254676]	0.67460126 -1.9592478
Round9240-----squared error: 3.9131 parameter: [18.398 9 -0.16254674]	0.67460113 -1.9592479
Round9241-----squared error: 3.9131 parameter: [18.398 1 -0.16254672]	0.67460099 -1.9592481
Round9242-----squared error: 3.9131 parameter: [18.398 3 -0.1625467]	0.67460086 -1.9592482
Round9243-----squared error: 3.9131 parameter: [18.398 5 -0.16254668]	0.67460073 -1.9592483
Round9244-----squared error: 3.9131 parameter: [18.398 7 -0.16254666]	0.6746006 -1.9592484
Round9245-----squared error: 3.9131 parameter: [18.398 9 -0.16254664]	0.67460047 -1.9592485
Round9246-----squared error: 3.9131 parameter: [18.398 1 -0.16254662]	0.67460033 -1.9592487
Round9247-----squared error: 3.9131 parameter: [18.398 3 -0.1625466]	0.6746002 -1.9592488
Round9248-----squared error: 3.9131 parameter: [18.398 5 -0.16254658]	0.67460007 -1.9592489

Round9249-----squared error: 3.9131 parameter: [18.398 6 -0.16254656]	0.67459994 -1.9592490
Round9250-----squared error: 3.9131 parameter: [18.398 8 -0.16254654]	0.67459981 -1.9592491
Round9251-----squared error: 3.9131 parameter: [18.398 -0.16254652]	0.67459968 -1.9592493
Round9252-----squared error: 3.9131 parameter: [18.398 2 -0.1625465]	0.67459955 -1.9592494
Round9253-----squared error: 3.9131 parameter: [18.398 4 -0.16254648]	0.67459942 -1.9592495
Round9254-----squared error: 3.9131 parameter: [18.398 6 -0.16254646]	0.67459929 -1.9592496
Round9255-----squared error: 3.9131 parameter: [18.398 7 -0.16254644]	0.67459916 -1.9592497
Round9256-----squared error: 3.9131 parameter: [18.398 9 -0.16254642]	0.67459903 -1.9592498
Round9257-----squared error: 3.9131 parameter: [18.398 1 -0.1625464]	0.6745989 -1.9592500
Round9258-----squared error: 3.9131 parameter: [18.398 3 -0.16254638]	0.67459877 -1.9592501
Round9259-----squared error: 3.9131 parameter: [18.398 5 -0.16254636]	0.67459864 -1.9592502
Round9260-----squared error: 3.9131 parameter: [18.398 6 -0.16254634]	0.67459851 -1.9592503
Round9261-----squared error: 3.9131 parameter: [18.398 8 -0.16254632]	0.67459838 -1.9592504
Round9262-----squared error: 3.9131 parameter: [18.398 -0.1625463]	0.67459825 -1.9592506
Round9263-----squared error: 3.9131 parameter: [18.398 1 -0.16254628]	0.67459812 -1.9592507
Round9264-----squared error: 3.9131 parameter: [18.398 3 -0.16254626]	0.67459799 -1.9592508
Round9265-----squared error: 3.9131 parameter: [18.398 5 -0.16254624]	0.67459786 -1.9592509
Round9266-----squared error: 3.9131 parameter: [18.398 6 -0.16254622]	0.67459773 -1.9592510
Round9267-----squared error: 3.9131 parameter: [18.398 8 -0.1625462]	0.6745976 -1.9592511
Round9268-----squared error: 3.9131 parameter: [18.398 -0.16254618]	0.67459747 -1.9592513
Round9269-----squared error: 3.9131 parameter: [18.398 1 -0.16254616]	0.67459735 -1.9592514
Round9270-----squared error: 3.9131 parameter: [18.398 3 -0.16254614]	0.67459722 -1.9592515
Round9271-----squared error: 3.9131 parameter: [18.398 5 -0.16254612]	0.67459709 -1.9592516
Round9272-----squared error: 3.9131 parameter: [18.398 6 -0.1625461]	0.67459696 -1.9592517
Round9273-----squared error: 3.9131 parameter: [18.398 8 -0.16254608]	0.67459683 -1.9592518
Round9274-----squared error: 3.9131 parameter: [18.398 9 -0.16254606]	0.6745967 -1.9592519
Round9275-----squared error: 3.9131 parameter: [18.398 1 -0.16254604]	0.67459658 -1.9592521
Round9276-----squared error: 3.9131 parameter: [18.398 3 -0.16254602]	0.67459645 -1.9592522
Round9277-----squared error: 3.9131 parameter: [18.398 4 -0.162546]	0.67459632 -1.9592523
Round9278-----squared error: 3.9131 parameter: [18.398 6 -0.16254598]	0.67459619 -1.9592524
Round9279-----squared error: 3.9131 parameter: [18.398 7 -0.16254596]	0.67459607 -1.9592525
Round9280-----squared error: 3.9131 parameter: [18.398 9 -0.16254595]	0.67459594 -1.9592526

Round9281-----squared error: 3.9131 parameter: [18.398 -0.16254593]	0.67459581 -1.9592528
Round9282-----squared error: 3.9131 parameter: [18.398 2 -0.16254591]	0.67459569 -1.9592529
Round9283-----squared error: 3.9131 parameter: [18.398 3 -0.16254589]	0.67459556 -1.9592530
Round9284-----squared error: 3.9131 parameter: [18.398 5 -0.16254587]	0.67459543 -1.9592531
Round9285-----squared error: 3.9131 parameter: [18.398 6 -0.16254585]	0.67459531 -1.9592532
Round9286-----squared error: 3.9131 parameter: [18.398 8 -0.16254583]	0.67459518 -1.9592533
Round9287-----squared error: 3.9131 parameter: [18.398 9 -0.16254581]	0.67459505 -1.9592534
Round9288-----squared error: 3.9131 parameter: [18.398 -0.16254579]	0.67459493 -1.9592536
Round9289-----squared error: 3.9131 parameter: [18.398 2 -0.16254577]	0.6745948 -1.9592537
Round9290-----squared error: 3.9131 parameter: [18.398 3 -0.16254575]	0.67459467 -1.9592538
Round9291-----squared error: 3.9131 parameter: [18.398 5 -0.16254573]	0.67459455 -1.9592539
Round9292-----squared error: 3.9131 parameter: [18.398 6 -0.16254571]	0.67459442 -1.9592540
Round9293-----squared error: 3.9131 parameter: [18.398 7 -0.16254569]	0.6745943 -1.9592541
Round9294-----squared error: 3.9131 parameter: [18.398 9 -0.16254568]	0.67459417 -1.9592542
Round9295-----squared error: 3.9131 parameter: [18.398 -0.16254566]	0.67459405 -1.9592544
Round9296-----squared error: 3.9131 parameter: [18.398 1 -0.16254564]	0.67459392 -1.9592545
Round9297-----squared error: 3.9131 parameter: [18.398 3 -0.16254562]	0.6745938 -1.9592546
Round9298-----squared error: 3.9131 parameter: [18.398 4 -0.1625456]	0.67459367 -1.9592547
Round9299-----squared error: 3.9131 parameter: [18.398 5 -0.16254558]	0.67459355 -1.9592548
Round9300-----squared error: 3.9131 parameter: [18.398 7 -0.16254556]	0.67459342 -1.9592549
Round9301-----squared error: 3.9131 parameter: [18.398 8 -0.16254554]	0.6745933 -1.9592550
Round9302-----squared error: 3.9131 parameter: [18.398 9 -0.16254552]	0.67459317 -1.9592551
Round9303-----squared error: 3.9131 parameter: [18.398 1 -0.1625455]	0.67459305 -1.9592553
Round9304-----squared error: 3.9131 parameter: [18.398 2 -0.16254548]	0.67459292 -1.9592554
Round9305-----squared error: 3.9131 parameter: [18.398 3 -0.16254547]	0.6745928 -1.9592555
Round9306-----squared error: 3.9131 parameter: [18.398 4 -0.16254545]	0.67459267 -1.9592556
Round9307-----squared error: 3.9131 parameter: [18.398 6 -0.16254543]	0.67459255 -1.9592557
Round9308-----squared error: 3.9131 parameter: [18.398 7 -0.16254541]	0.67459243 -1.9592558
Round9309-----squared error: 3.9131 parameter: [18.398 8 -0.16254539]	0.6745923 -1.9592559
Round9310-----squared error: 3.9131 parameter: [18.398 9 -0.16254537]	0.67459218 -1.9592560
Round9311-----squared error: 3.9131 parameter: [18.398 -0.16254535]	0.67459206 -1.9592562
Round9312-----squared error: 3.9131 parameter: [18.398 1 -0.16254533]	0.67459193 -1.9592563

Round9313-----squared error: 3.9131 parameter: [18.398 3 -0.16254531]	0.67459181 -1.9592564
Round9314-----squared error: 3.9131 parameter: [18.398 4 -0.1625453]	0.67459169 -1.9592565
Round9315-----squared error: 3.9131 parameter: [18.398 5 -0.16254528]	0.67459156 -1.9592566
Round9316-----squared error: 3.9131 parameter: [18.398 6 -0.16254526]	0.67459144 -1.9592567
Round9317-----squared error: 3.9131 parameter: [18.398 7 -0.16254524]	0.67459132 -1.9592568
Round9318-----squared error: 3.9131 parameter: [18.398 8 -0.16254522]	0.6745912 -1.9592569
Round9319-----squared error: 3.9131 parameter: [18.398 9 -0.1625452]	0.67459107 -1.9592570
Round9320-----squared error: 3.9131 parameter: [18.398 -0.16254518]	0.67459095 -1.9592572
Round9321-----squared error: 3.9131 parameter: [18.398 2 -0.16254516]	0.67459083 -1.9592573
Round9322-----squared error: 3.9131 parameter: [18.398 3 -0.16254515]	0.67459071 -1.9592574
Round9323-----squared error: 3.9131 parameter: [18.398 4 -0.16254513]	0.67459058 -1.9592575
Round9324-----squared error: 3.9131 parameter: [18.398 5 -0.16254511]	0.67459046 -1.9592576
Round9325-----squared error: 3.9131 parameter: [18.398 6 -0.16254509]	0.67459034 -1.9592577
Round9326-----squared error: 3.9131 parameter: [18.398 7 -0.16254507]	0.67459022 -1.9592578
Round9327-----squared error: 3.9131 parameter: [18.398 8 -0.16254505]	0.6745901 -1.9592579
Round9328-----squared error: 3.9131 parameter: [18.398 9 -0.16254503]	0.67458998 -1.9592580
Round9329-----squared error: 3.9131 parameter: [18.398 -0.16254502]	0.67458985 -1.9592582
Round9330-----squared error: 3.9131 parameter: [18.398 1 -0.162545]	0.67458973 -1.9592583
Round9331-----squared error: 3.9131 parameter: [18.398 2 -0.16254498]	0.67458961 -1.9592584
Round9332-----squared error: 3.9131 parameter: [18.398 3 -0.16254496]	0.67458949 -1.9592585
Round9333-----squared error: 3.9131 parameter: [18.398 4 -0.16254494]	0.67458937 -1.9592586
Round9334-----squared error: 3.9131 parameter: [18.398 4 -0.16254492]	0.67458925 -1.9592587
Round9335-----squared error: 3.9131 parameter: [18.398 5 -0.1625449]	0.67458913 -1.9592588
Round9336-----squared error: 3.9131 parameter: [18.398 6 -0.16254489]	0.67458901 -1.9592589
Round9337-----squared error: 3.9131 parameter: [18.398 7 -0.16254487]	0.67458889 -1.9592590
Round9338-----squared error: 3.9131 parameter: [18.398 8 -0.16254485]	0.67458877 -1.9592591
Round9339-----squared error: 3.9131 parameter: [18.398 9 -0.16254483]	0.67458865 -1.9592592
Round9340-----squared error: 3.9131 parameter: [18.398 -0.16254481]	0.67458853 -1.9592594
Round9341-----squared error: 3.9131 parameter: [18.398 1 -0.16254479]	0.67458841 -1.9592595
Round9342-----squared error: 3.9131 parameter: [18.398 2 -0.16254478]	0.67458829 -1.9592596
Round9343-----squared error: 3.9131 parameter: [18.398 2 -0.16254476]	0.67458817 -1.9592597
Round9344-----squared error: 3.9131 parameter: [18.398 3 -0.16254474]	0.67458805 -1.9592598

Round9345-----squared error: 3.9131 parameter: [18.398 4 -0.16254472]	0.67458793 -1.9592599
Round9346-----squared error: 3.9131 parameter: [18.398 5 -0.1625447]	0.67458781 -1.9592600
Round9347-----squared error: 3.9131 parameter: [18.398 6 -0.16254469]	0.67458769 -1.9592601
Round9348-----squared error: 3.9131 parameter: [18.398 6 -0.16254467]	0.67458757 -1.9592602
Round9349-----squared error: 3.9131 parameter: [18.398 7 -0.16254465]	0.67458745 -1.9592603
Round9350-----squared error: 3.9131 parameter: [18.398 8 -0.16254463]	0.67458733 -1.9592604
Round9351-----squared error: 3.9131 parameter: [18.398 9 -0.16254461]	0.67458721 -1.9592605
Round9352-----squared error: 3.9131 parameter: [18.398 9 -0.16254459]	0.67458709 -1.9592606
Round9353-----squared error: 3.9131 parameter: [18.398 -0.16254458]	0.67458698 -1.9592608
Round9354-----squared error: 3.9131 parameter: [18.398 1 -0.16254456]	0.67458686 -1.9592609
Round9355-----squared error: 3.9131 parameter: [18.398 2 -0.16254454]	0.67458674 -1.9592610
Round9356-----squared error: 3.9131 parameter: [18.398 2 -0.16254452]	0.67458662 -1.9592611
Round9357-----squared error: 3.9131 parameter: [18.398 3 -0.1625445]	0.6745865 -1.9592612
Round9358-----squared error: 3.9131 parameter: [18.398 4 -0.16254449]	0.67458638 -1.9592613
Round9359-----squared error: 3.9131 parameter: [18.398 4 -0.16254447]	0.67458627 -1.9592614
Round9360-----squared error: 3.9131 parameter: [18.398 5 -0.16254445]	0.67458615 -1.9592615
Round9361-----squared error: 3.9131 parameter: [18.398 6 -0.16254443]	0.67458603 -1.9592616
Round9362-----squared error: 3.9131 parameter: [18.398 6 -0.16254441]	0.67458591 -1.9592617
Round9363-----squared error: 3.9131 parameter: [18.398 7 -0.1625444]	0.6745858 -1.9592618
Round9364-----squared error: 3.9131 parameter: [18.398 8 -0.16254438]	0.67458568 -1.9592619
Round9365-----squared error: 3.9131 parameter: [18.398 8 -0.16254436]	0.67458556 -1.9592620
Round9366-----squared error: 3.9131 parameter: [18.398 9 -0.16254434]	0.67458544 -1.9592621
Round9367-----squared error: 3.9131 parameter: [18.398 9 -0.16254432]	0.67458533 -1.9592622
Round9368-----squared error: 3.9131 parameter: [18.398 -0.16254431]	0.67458521 -1.9592624
Round9369-----squared error: 3.9131 parameter: [18.398 1 -0.16254429]	0.67458509 -1.9592625
Round9370-----squared error: 3.9131 parameter: [18.398 1 -0.16254427]	0.67458498 -1.9592626
Round9371-----squared error: 3.9131 parameter: [18.398 2 -0.16254425]	0.67458486 -1.9592627
Round9372-----squared error: 3.9131 parameter: [18.398 2 -0.16254424]	0.67458474 -1.9592628
Round9373-----squared error: 3.9131 parameter: [18.398 3 -0.16254422]	0.67458463 -1.9592629
Round9374-----squared error: 3.9131 parameter: [18.398 3 -0.1625442]	0.67458451 -1.9592630
Round9375-----squared error: 3.9131 parameter: [18.398 4 -0.16254418]	0.6745844 -1.9592631
Round9376-----squared error: 3.9131 parameter: [18.398 4 -0.16254416]	0.67458428 -1.9592632

Round9377-----squared error: 3.9131 parameter: [18.398 5 -0.16254415]	0.67458416 -1.9592633
Round9378-----squared error: 3.9131 parameter: [18.398 5 -0.16254413]	0.67458405 -1.9592634
Round9379-----squared error: 3.9131 parameter: [18.398 6 -0.16254411]	0.67458393 -1.9592635
Round9380-----squared error: 3.9131 parameter: [18.398 6 -0.16254409]	0.67458382 -1.9592636
Round9381-----squared error: 3.9131 parameter: [18.398 7 -0.16254408]	0.6745837 -1.9592637
Round9382-----squared error: 3.9131 parameter: [18.398 7 -0.16254406]	0.67458359 -1.9592638
Round9383-----squared error: 3.9131 parameter: [18.398 8 -0.16254404]	0.67458347 -1.9592639
Round9384-----squared error: 3.9131 parameter: [18.398 8 -0.16254402]	0.67458336 -1.9592640
Round9385-----squared error: 3.9131 parameter: [18.398 8 -0.16254401]	0.67458324 -1.9592641
Round9386-----squared error: 3.9131 parameter: [18.398 9 -0.16254399]	0.67458313 -1.9592642
Round9387-----squared error: 3.9131 parameter: [18.398 9 -0.16254397]	0.67458301 -1.9592643
Round9388-----squared error: 3.9131 parameter: [18.398 9 -0.16254395]	0.6745829 -1.9592644
Round9389-----squared error: 3.9131 parameter: [18.398 -0.16254394]	0.67458278 -1.9592646
Round9390-----squared error: 3.9131 parameter: [18.398 -0.16254392]	0.67458267 -1.9592647
Round9391-----squared error: 3.9131 parameter: [18.398 1 -0.1625439]	0.67458255 -1.9592648
Round9392-----squared error: 3.9131 parameter: [18.398 1 -0.16254388]	0.67458244 -1.9592649
Round9393-----squared error: 3.9131 parameter: [18.398 1 -0.16254387]	0.67458233 -1.9592650
Round9394-----squared error: 3.9131 parameter: [18.398 2 -0.16254385]	0.67458221 -1.9592651
Round9395-----squared error: 3.9131 parameter: [18.398 2 -0.16254383]	0.6745821 -1.9592652
Round9396-----squared error: 3.9131 parameter: [18.398 2 -0.16254381]	0.67458198 -1.9592653
Round9397-----squared error: 3.9131 parameter: [18.398 2 -0.1625438]	0.67458187 -1.9592654
Round9398-----squared error: 3.9131 parameter: [18.398 3 -0.16254378]	0.67458176 -1.9592655
Round9399-----squared error: 3.9131 parameter: [18.398 3 -0.16254376]	0.67458164 -1.9592656
Round9400-----squared error: 3.9131 parameter: [18.398 3 -0.16254374]	0.67458153 -1.9592657
Round9401-----squared error: 3.9131 parameter: [18.398 4 -0.16254373]	0.67458142 -1.9592658
Round9402-----squared error: 3.9131 parameter: [18.398 4 -0.16254371]	0.6745813 -1.9592659
Round9403-----squared error: 3.9131 parameter: [18.398 4 -0.16254369]	0.67458119 -1.9592660
Round9404-----squared error: 3.9131 parameter: [18.398 4 -0.16254368]	0.67458108 -1.9592661
Round9405-----squared error: 3.9131 parameter: [18.398 4 -0.16254366]	0.67458096 -1.9592662
Round9406-----squared error: 3.9131 parameter: [18.398 5 -0.16254364]	0.67458085 -1.9592663
Round9407-----squared error: 3.9131 parameter: [18.398 5 -0.16254362]	0.67458074 -1.9592664
Round9408-----squared error: 3.9131 parameter: [18.398 5 -0.16254361]	0.67458063 -1.9592665

Round9409-----squared error: 3.9131 parameter: [18.398 5 -0.16254359]	0.67458051 -1.9592666
Round9410-----squared error: 3.9131 parameter: [18.398 5 -0.16254357]	0.6745804 -1.9592667
Round9411-----squared error: 3.9131 parameter: [18.398 5 -0.16254355]	0.67458029 -1.9592668
Round9412-----squared error: 3.9131 parameter: [18.398 6 -0.16254354]	0.67458018 -1.9592669
Round9413-----squared error: 3.9131 parameter: [18.398 6 -0.16254352]	0.67458007 -1.9592670
Round9414-----squared error: 3.9131 parameter: [18.398 6 -0.1625435]	0.67457995 -1.9592671
Round9415-----squared error: 3.9131 parameter: [18.398 6 -0.16254349]	0.67457984 -1.9592672
Round9416-----squared error: 3.9131 parameter: [18.398 6 -0.16254347]	0.67457973 -1.9592673
Round9417-----squared error: 3.9131 parameter: [18.398 6 -0.16254345]	0.67457962 -1.9592674
Round9418-----squared error: 3.9131 parameter: [18.398 6 -0.16254344]	0.67457951 -1.9592675
Round9419-----squared error: 3.9131 parameter: [18.398 6 -0.16254342]	0.6745794 -1.9592676
Round9420-----squared error: 3.9131 parameter: [18.398 6 -0.1625434]	0.67457929 -1.9592677
Round9421-----squared error: 3.9131 parameter: [18.398 6 -0.16254338]	0.67457917 -1.9592678
Round9422-----squared error: 3.9131 parameter: [18.398 7 -0.16254337]	0.67457906 -1.9592679
Round9423-----squared error: 3.9131 parameter: [18.398 7 -0.16254335]	0.67457895 -1.9592680
Round9424-----squared error: 3.9131 parameter: [18.398 7 -0.16254333]	0.67457884 -1.9592681
Round9425-----squared error: 3.9131 parameter: [18.398 7 -0.16254332]	0.67457873 -1.9592682
Round9426-----squared error: 3.9131 parameter: [18.398 7 -0.1625433]	0.67457862 -1.9592683
Round9427-----squared error: 3.9131 parameter: [18.398 7 -0.16254328]	0.67457851 -1.9592684
Round9428-----squared error: 3.9131 parameter: [18.398 7 -0.16254327]	0.6745784 -1.9592685
Round9429-----squared error: 3.9131 parameter: [18.398 7 -0.16254325]	0.67457829 -1.9592686
Round9430-----squared error: 3.9131 parameter: [18.398 7 -0.16254323]	0.67457818 -1.9592687
Round9431-----squared error: 3.9131 parameter: [18.398 6 -0.16254322]	0.67457807 -1.9592688
Round9432-----squared error: 3.9131 parameter: [18.398 6 -0.1625432]	0.67457796 -1.9592689
Round9433-----squared error: 3.9131 parameter: [18.398 6 -0.16254318]	0.67457785 -1.9592690
Round9434-----squared error: 3.9131 parameter: [18.398 6 -0.16254317]	0.67457774 -1.9592691
Round9435-----squared error: 3.9131 parameter: [18.398 6 -0.16254315]	0.67457763 -1.9592692
Round9436-----squared error: 3.9131 parameter: [18.398 6 -0.16254313]	0.67457752 -1.9592693
Round9437-----squared error: 3.9131 parameter: [18.398 6 -0.16254312]	0.67457741 -1.9592694
Round9438-----squared error: 3.9131 parameter: [18.398 6 -0.1625431]	0.6745773 -1.9592695
Round9439-----squared error: 3.9131 parameter: [18.398 6 -0.16254308]	0.67457719 -1.9592696
Round9440-----squared error: 3.9131 parameter: [18.398 6 -0.16254307]	0.67457708 -1.9592697

Round9441-----squared error: 3.9131 parameter: [18.398 6 -0.16254305]	0.67457698 -1.9592698
Round9442-----squared error: 3.9131 parameter: [18.398 5 -0.16254303]	0.67457687 -1.9592699
Round9443-----squared error: 3.9131 parameter: [18.398 5 -0.16254302]	0.67457676 -1.9592700
Round9444-----squared error: 3.9131 parameter: [18.398 5 -0.162543]	0.67457665 -1.9592701
Round9445-----squared error: 3.9131 parameter: [18.398 5 -0.16254298]	0.67457654 -1.9592702
Round9446-----squared error: 3.9131 parameter: [18.398 5 -0.16254297]	0.67457643 -1.9592703
Round9447-----squared error: 3.9131 parameter: [18.398 5 -0.16254295]	0.67457632 -1.9592704
Round9448-----squared error: 3.9131 parameter: [18.398 4 -0.16254293]	0.67457622 -1.9592705
Round9449-----squared error: 3.9131 parameter: [18.398 4 -0.16254292]	0.67457611 -1.9592706
Round9450-----squared error: 3.9131 parameter: [18.398 4 -0.1625429]	0.674576 -1.9592707
Round9451-----squared error: 3.9131 parameter: [18.398 4 -0.16254288]	0.67457589 -1.9592708
Round9452-----squared error: 3.9131 parameter: [18.398 3 -0.16254287]	0.67457578 -1.9592709
Round9453-----squared error: 3.9131 parameter: [18.398 3 -0.16254285]	0.67457568 -1.9592710
Round9454-----squared error: 3.9131 parameter: [18.398 3 -0.16254283]	0.67457557 -1.9592711
Round9455-----squared error: 3.9131 parameter: [18.398 3 -0.16254282]	0.67457546 -1.9592712
Round9456-----squared error: 3.9131 parameter: [18.398 2 -0.1625428]	0.67457535 -1.9592713
Round9457-----squared error: 3.9131 parameter: [18.398 2 -0.16254278]	0.67457525 -1.9592714
Round9458-----squared error: 3.9131 parameter: [18.398 2 -0.16254277]	0.67457514 -1.9592715
Round9459-----squared error: 3.9131 parameter: [18.398 1 -0.16254275]	0.67457503 -1.9592716
Round9460-----squared error: 3.9131 parameter: [18.398 1 -0.16254274]	0.67457493 -1.9592717
Round9461-----squared error: 3.9131 parameter: [18.398 1 -0.16254272]	0.67457482 -1.9592718
Round9462-----squared error: 3.9131 parameter: [18.398 -0.1625427]	0.67457471 -1.9592719
Round9463-----squared error: 3.9131 parameter: [18.398 -0.16254269]	0.67457461 -1.959272
Round9464-----squared error: 3.9131 parameter: [18.398 -0.16254267]	0.6745745 -1.9592721
Round9465-----squared error: 3.9131 parameter: [18.398 9 -0.16254265]	0.67457439 -1.9592721
Round9466-----squared error: 3.9131 parameter: [18.398 9 -0.16254264]	0.67457429 -1.9592722
Round9467-----squared error: 3.9131 parameter: [18.398 9 -0.16254262]	0.67457418 -1.9592723
Round9468-----squared error: 3.9131 parameter: [18.398 8 -0.16254261]	0.67457407 -1.9592724
Round9469-----squared error: 3.9131 parameter: [18.398 8 -0.16254259]	0.67457397 -1.9592725
Round9470-----squared error: 3.9131 parameter: [18.398 7 -0.16254257]	0.67457386 -1.9592726
Round9471-----squared error: 3.9131 parameter: [18.398 7 -0.16254256]	0.67457376 -1.9592727
Round9472-----squared error: 3.9131 parameter: [18.398 7 -0.16254254]	0.67457365 -1.9592728

Round9473-----squared error: 3.9131 parameter: [18.398 6 -0.16254252]	0.67457354 -1.9592729
Round9474-----squared error: 3.9131 parameter: [18.398 6 -0.16254251]	0.67457344 -1.9592730
Round9475-----squared error: 3.9131 parameter: [18.398 5 -0.16254249]	0.67457333 -1.9592731
Round9476-----squared error: 3.9131 parameter: [18.398 5 -0.16254248]	0.67457323 -1.9592732
Round9477-----squared error: 3.9131 parameter: [18.398 4 -0.16254246]	0.67457312 -1.9592733
Round9478-----squared error: 3.9131 parameter: [18.398 4 -0.16254244]	0.67457302 -1.9592734
Round9479-----squared error: 3.9131 parameter: [18.398 3 -0.16254243]	0.67457291 -1.9592735
Round9480-----squared error: 3.9131 parameter: [18.398 3 -0.16254241]	0.67457281 -1.9592736
Round9481-----squared error: 3.9131 parameter: [18.398 2 -0.1625424]	0.6745727 -1.9592737
Round9482-----squared error: 3.9131 parameter: [18.398 2 -0.16254238]	0.6745726 -1.9592738
Round9483-----squared error: 3.9131 parameter: [18.398 1 -0.16254236]	0.67457249 -1.9592739
Round9484-----squared error: 3.9131 parameter: [18.398 1 -0.16254235]	0.67457239 -1.9592740
Round9485-----squared error: 3.9131 parameter: [18.398 -0.16254233]	0.67457228 -1.9592741
Round9486-----squared error: 3.9131 parameter: [18.398 -0.16254232]	0.67457218 -1.9592742
Round9487-----squared error: 3.9131 parameter: [18.398 9 -0.1625423]	0.67457208 -1.9592742
Round9488-----squared error: 3.9131 parameter: [18.398 9 -0.16254228]	0.67457197 -1.9592743
Round9489-----squared error: 3.9131 parameter: [18.398 8 -0.16254227]	0.67457187 -1.9592744
Round9490-----squared error: 3.9131 parameter: [18.398 7 -0.16254225]	0.67457176 -1.9592745
Round9491-----squared error: 3.9131 parameter: [18.398 7 -0.16254224]	0.67457166 -1.9592746
Round9492-----squared error: 3.9131 parameter: [18.398 6 -0.16254222]	0.67457156 -1.9592747
Round9493-----squared error: 3.9131 parameter: [18.398 6 -0.16254221]	0.67457145 -1.9592748
Round9494-----squared error: 3.9131 parameter: [18.398 5 -0.16254219]	0.67457135 -1.9592749
Round9495-----squared error: 3.9131 parameter: [18.398 4 -0.16254217]	0.67457125 -1.9592750
Round9496-----squared error: 3.9131 parameter: [18.398 4 -0.16254216]	0.67457114 -1.9592751
Round9497-----squared error: 3.9131 parameter: [18.398 3 -0.16254214]	0.67457104 -1.9592752
Round9498-----squared error: 3.9131 parameter: [18.398 2 -0.16254213]	0.67457094 -1.9592753
Round9499-----squared error: 3.9131 parameter: [18.398 2 -0.16254211]	0.67457083 -1.9592754
Round9500-----squared error: 3.9131 parameter: [18.398 1 -0.16254209]	0.67457073 -1.9592755
Round9501-----squared error: 3.9131 parameter: [18.398 -0.16254208]	0.67457063 -1.9592756
Round9502-----squared error: 3.9131 parameter: [18.398 -0.16254206]	0.67457053 -1.9592757
Round9503-----squared error: 3.9131 parameter: [18.398 9 -0.16254205]	0.67457042 -1.9592757
Round9504-----squared error: 3.9131 parameter: [18.398 8 -0.16254203]	0.67457032 -1.9592758

Round9505-----squared error: 3.9131 parameter: [18.398 7 -0.16254202]	0.67457022 -1.9592759
Round9506-----squared error: 3.9131 parameter: [18.398 7 -0.162542]	0.67457012 -1.9592760
Round9507-----squared error: 3.9131 parameter: [18.398 6 -0.16254199]	0.67457001 -1.9592761
Round9508-----squared error: 3.9131 parameter: [18.398 5 -0.16254197]	0.67456991 -1.9592762
Round9509-----squared error: 3.9131 parameter: [18.398 4 -0.16254195]	0.67456981 -1.9592763
Round9510-----squared error: 3.9131 parameter: [18.398 4 -0.16254194]	0.67456971 -1.9592764
Round9511-----squared error: 3.9131 parameter: [18.398 3 -0.16254192]	0.67456961 -1.9592765
Round9512-----squared error: 3.9131 parameter: [18.398 2 -0.16254191]	0.6745695 -1.9592766
Round9513-----squared error: 3.9131 parameter: [18.398 1 -0.16254189]	0.6745694 -1.9592767
Round9514-----squared error: 3.9131 parameter: [18.398 -0.16254188]	0.6745693 -1.9592768
Round9515-----squared error: 3.9131 parameter: [18.398 -0.16254186]	0.6745692 -1.9592769
Round9516-----squared error: 3.9131 parameter: [18.398 9 -0.16254185]	0.6745691 -1.9592769
Round9517-----squared error: 3.9131 parameter: [18.398 8 -0.16254183]	0.674569 -1.9592770
Round9518-----squared error: 3.9131 parameter: [18.398 7 -0.16254181]	0.67456889 -1.9592771
Round9519-----squared error: 3.9131 parameter: [18.398 6 -0.1625418]	0.67456879 -1.9592772
Round9520-----squared error: 3.9131 parameter: [18.398 5 -0.16254178]	0.67456869 -1.9592773
Round9521-----squared error: 3.9131 parameter: [18.398 5 -0.16254177]	0.67456859 -1.9592774
Round9522-----squared error: 3.9131 parameter: [18.398 4 -0.16254175]	0.67456849 -1.9592775
Round9523-----squared error: 3.9131 parameter: [18.398 3 -0.16254174]	0.67456839 -1.9592776
Round9524-----squared error: 3.9131 parameter: [18.398 2 -0.16254172]	0.67456829 -1.9592777
Round9525-----squared error: 3.9131 parameter: [18.398 1 -0.16254171]	0.67456819 -1.9592778
Round9526-----squared error: 3.9131 parameter: [18.398 -0.16254169]	0.67456809 -1.9592779
Round9527-----squared error: 3.9131 parameter: [18.398 9 -0.16254168]	0.67456799 -1.9592779
Round9528-----squared error: 3.9131 parameter: [18.398 8 -0.16254166]	0.67456789 -1.9592780
Round9529-----squared error: 3.9131 parameter: [18.398 7 -0.16254165]	0.67456779 -1.9592781
Round9530-----squared error: 3.9131 parameter: [18.398 6 -0.16254163]	0.67456769 -1.9592782
Round9531-----squared error: 3.9131 parameter: [18.398 5 -0.16254161]	0.67456759 -1.9592783
Round9532-----squared error: 3.9131 parameter: [18.398 4 -0.1625416]	0.67456749 -1.9592784
Round9533-----squared error: 3.9131 parameter: [18.398 3 -0.16254158]	0.67456739 -1.9592785
Round9534-----squared error: 3.9131 parameter: [18.398 2 -0.16254157]	0.67456729 -1.9592786
Round9535-----squared error: 3.9131 parameter: [18.398 1 -0.16254155]	0.67456719 -1.9592787
Round9536-----squared error: 3.9131 parameter: [18.398 -0.16254154]	0.67456709 -1.9592788

Round9537-----squared error: 3.9131 parameter: [18.398 9 -0.16254152]	0.67456699 -1.9592788
Round9538-----squared error: 3.9131 parameter: [18.398 8 -0.16254151]	0.67456689 -1.9592789
Round9539-----squared error: 3.9131 parameter: [18.398 7 -0.16254149]	0.67456679 -1.9592790
Round9540-----squared error: 3.9131 parameter: [18.398 6 -0.16254148]	0.67456669 -1.9592791
Round9541-----squared error: 3.9131 parameter: [18.398 5 -0.16254146]	0.6745666 -1.9592792
Round9542-----squared error: 3.9131 parameter: [18.398 4 -0.16254145]	0.6745665 -1.9592793
Round9543-----squared error: 3.9131 parameter: [18.398 3 -0.16254143]	0.6745664 -1.9592794
Round9544-----squared error: 3.9131 parameter: [18.398 2 -0.16254142]	0.6745663 -1.9592795
Round9545-----squared error: 3.9131 parameter: [18.398 1 -0.1625414]	0.6745662 -1.9592796
Round9546-----squared error: 3.9131 parameter: [18.398 -0.16254139]	0.6745661 -1.9592797
Round9547-----squared error: 3.9131 parameter: [18.398 9 -0.16254137]	0.674566 -1.9592797
Round9548-----squared error: 3.9131 parameter: [18.398 8 -0.16254136]	0.67456591 -1.9592798
Round9549-----squared error: 3.9131 parameter: [18.398 7 -0.16254134]	0.67456581 -1.9592799
Round9550-----squared error: 3.9131 parameter: [18.398 6 -0.16254133]	0.67456571 -1.9592800
Round9551-----squared error: 3.9131 parameter: [18.398 4 -0.16254131]	0.67456561 -1.9592801
Round9552-----squared error: 3.9131 parameter: [18.398 3 -0.1625413]	0.67456551 -1.9592802
Round9553-----squared error: 3.9131 parameter: [18.398 2 -0.16254128]	0.67456542 -1.9592803
Round9554-----squared error: 3.9131 parameter: [18.398 1 -0.16254127]	0.67456532 -1.9592804
Round9555-----squared error: 3.9131 parameter: [18.398 -0.16254125]	0.67456522 -1.9592805
Round9556-----squared error: 3.9131 parameter: [18.398 9 -0.16254124]	0.67456512 -1.9592805
Round9557-----squared error: 3.9131 parameter: [18.398 7 -0.16254122]	0.67456503 -1.9592806
Round9558-----squared error: 3.9131 parameter: [18.398 6 -0.16254121]	0.67456493 -1.9592807
Round9559-----squared error: 3.9131 parameter: [18.398 5 -0.16254119]	0.67456483 -1.9592808
Round9560-----squared error: 3.9131 parameter: [18.398 4 -0.16254118]	0.67456473 -1.9592809
Round9561-----squared error: 3.9131 parameter: [18.398 3 -0.16254116]	0.67456464 -1.9592810
Round9562-----squared error: 3.9131 parameter: [18.398 1 -0.16254115]	0.67456454 -1.9592811
Round9563-----squared error: 3.9131 parameter: [18.398 -0.16254113]	0.67456444 -1.9592812
Round9564-----squared error: 3.9131 parameter: [18.398 9 -0.16254112]	0.67456435 -1.9592812
Round9565-----squared error: 3.9131 parameter: [18.398 8 -0.1625411]	0.67456425 -1.9592813
Round9566-----squared error: 3.9131 parameter: [18.398 6 -0.16254109]	0.67456415 -1.9592814
Round9567-----squared error: 3.9131 parameter: [18.398 5 -0.16254108]	0.67456406 -1.9592815
Round9568-----squared error: 3.9131 parameter: [18.398 4 -0.16254106]	0.67456396 -1.9592816

Round9569-----squared error: 3.9131 parameter: [18.398 3 -0.16254105]	0.67456386 -1.9592817
Round9570-----squared error: 3.9131 parameter: [18.398 1 -0.16254103]	0.67456377 -1.9592818
Round9571-----squared error: 3.9131 parameter: [18.398 -0.16254102]	0.67456367 -1.9592819
Round9572-----squared error: 3.9131 parameter: [18.398 9 -0.162541]	0.67456357 -1.9592819
Round9573-----squared error: 3.9131 parameter: [18.398 7 -0.16254099]	0.67456348 -1.9592820
Round9574-----squared error: 3.9131 parameter: [18.398 6 -0.16254097]	0.67456338 -1.9592821
Round9575-----squared error: 3.9131 parameter: [18.398 5 -0.16254096]	0.67456329 -1.9592822
Round9576-----squared error: 3.9131 parameter: [18.398 3 -0.16254094]	0.67456319 -1.9592823
Round9577-----squared error: 3.9131 parameter: [18.398 2 -0.16254093]	0.6745631 -1.9592824
Round9578-----squared error: 3.9131 parameter: [18.398 1 -0.16254091]	0.674563 -1.9592825
Round9579-----squared error: 3.9131 parameter: [18.398 9 -0.1625409]	0.67456291 -1.9592825
Round9580-----squared error: 3.9131 parameter: [18.398 8 -0.16254088]	0.67456281 -1.9592826
Round9581-----squared error: 3.9131 parameter: [18.398 7 -0.16254087]	0.67456271 -1.9592827
Round9582-----squared error: 3.9131 parameter: [18.398 5 -0.16254086]	0.67456262 -1.9592828
Round9583-----squared error: 3.9131 parameter: [18.398 4 -0.16254084]	0.67456252 -1.9592829
Round9584-----squared error: 3.9131 parameter: [18.398 2 -0.16254083]	0.67456243 -1.9592830
Round9585-----squared error: 3.9131 parameter: [18.398 1 -0.16254081]	0.67456234 -1.9592831
Round9586-----squared error: 3.9131 parameter: [18.398 -0.1625408]	0.67456224 -1.9592832
Round9587-----squared error: 3.9131 parameter: [18.398 8 -0.16254078]	0.67456215 -1.9592832
Round9588-----squared error: 3.9131 parameter: [18.398 7 -0.16254077]	0.67456205 -1.9592833
Round9589-----squared error: 3.9131 parameter: [18.398 5 -0.16254075]	0.67456196 -1.9592834
Round9590-----squared error: 3.9131 parameter: [18.398 4 -0.16254074]	0.67456186 -1.9592835
Round9591-----squared error: 3.9131 parameter: [18.398 2 -0.16254073]	0.67456177 -1.9592836
Round9592-----squared error: 3.9131 parameter: [18.398 1 -0.16254071]	0.67456167 -1.9592837
Round9593-----squared error: 3.9131 parameter: [18.398 9 -0.1625407]	0.67456158 -1.9592837
Round9594-----squared error: 3.9131 parameter: [18.398 8 -0.16254068]	0.67456149 -1.9592838
Round9595-----squared error: 3.9131 parameter: [18.398 6 -0.16254067]	0.67456139 -1.9592839
Round9596-----squared error: 3.9131 parameter: [18.398 5 -0.16254065]	0.6745613 -1.9592840
Round9597-----squared error: 3.9131 parameter: [18.398 3 -0.16254064]	0.6745612 -1.9592841
Round9598-----squared error: 3.9131 parameter: [18.398 2 -0.16254063]	0.67456111 -1.9592842
Round9599-----squared error: 3.9131 parameter: [18.398 -0.16254061]	0.67456102 -1.9592843
Round9600-----squared error: 3.9131 parameter: [18.398 9 -0.1625406]	0.67456092 -1.9592843

Round9601-----squared error: 3.9131 parameter: [18.398 7 -0.16254058]	0.67456083 -1.9592844
Round9602-----squared error: 3.9131 parameter: [18.398 6 -0.16254057]	0.67456074 -1.9592845
Round9603-----squared error: 3.9131 parameter: [18.398 4 -0.16254055]	0.67456064 -1.9592846
Round9604-----squared error: 3.9131 parameter: [18.398 3 -0.16254054]	0.67456055 -1.9592847
Round9605-----squared error: 3.9131 parameter: [18.398 1 -0.16254053]	0.67456046 -1.9592848
Round9606-----squared error: 3.9131 parameter: [18.398 9 -0.16254051]	0.67456036 -1.9592848
Round9607-----squared error: 3.9131 parameter: [18.398 8 -0.1625405]	0.67456027 -1.9592849
Round9608-----squared error: 3.9131 parameter: [18.398 6 -0.16254048]	0.67456018 -1.9592850
Round9609-----squared error: 3.9131 parameter: [18.398 5 -0.16254047]	0.67456009 -1.9592851
Round9610-----squared error: 3.9131 parameter: [18.398 3 -0.16254045]	0.67455999 -1.9592852
Round9611-----squared error: 3.9131 parameter: [18.398 1 -0.16254044]	0.6745599 -1.9592853
Round9612-----squared error: 3.9131 parameter: [18.398 -0.16254043]	0.67455981 -1.9592854
Round9613-----squared error: 3.9131 parameter: [18.398 8 -0.16254041]	0.67455972 -1.9592854
Round9614-----squared error: 3.9131 parameter: [18.398 6 -0.1625404]	0.67455962 -1.9592855
Round9615-----squared error: 3.9131 parameter: [18.398 5 -0.16254038]	0.67455953 -1.9592856
Round9616-----squared error: 3.9131 parameter: [18.398 3 -0.16254037]	0.67455944 -1.9592857
Round9617-----squared error: 3.9131 parameter: [18.398 1 -0.16254036]	0.67455935 -1.9592858
Round9618-----squared error: 3.9131 parameter: [18.398 -0.16254034]	0.67455926 -1.9592859
Round9619-----squared error: 3.9131 parameter: [18.398 8 -0.16254033]	0.67455916 -1.9592859
Round9620-----squared error: 3.9131 parameter: [18.398 6 -0.16254031]	0.67455907 -1.9592860
Round9621-----squared error: 3.9131 parameter: [18.398 5 -0.1625403]	0.67455898 -1.9592861
Round9622-----squared error: 3.9131 parameter: [18.398 3 -0.16254029]	0.67455889 -1.9592862
Round9623-----squared error: 3.9131 parameter: [18.398 1 -0.16254027]	0.6745588 -1.9592863
Round9624-----squared error: 3.9131 parameter: [18.398 9 -0.16254026]	0.67455871 -1.9592863
Round9625-----squared error: 3.9131 parameter: [18.398 8 -0.16254024]	0.67455862 -1.9592864
Round9626-----squared error: 3.9131 parameter: [18.398 6 -0.16254023]	0.67455852 -1.9592865
Round9627-----squared error: 3.9131 parameter: [18.398 4 -0.16254022]	0.67455843 -1.9592866
Round9628-----squared error: 3.9131 parameter: [18.398 2 -0.1625402]	0.67455834 -1.9592867
Round9629-----squared error: 3.9131 parameter: [18.398 1 -0.16254019]	0.67455825 -1.9592868
Round9630-----squared error: 3.9131 parameter: [18.398 9 -0.16254017]	0.67455816 -1.9592868
Round9631-----squared error: 3.9131 parameter: [18.398 7 -0.16254016]	0.67455807 -1.9592869
Round9632-----squared error: 3.9131 parameter: [18.398 5 -0.16254015]	0.67455798 -1.9592870

Round9633-----squared error: 3.9131 parameter: [18.398 3 -0.16254013]	0.67455789 -1.9592871
Round9634-----squared error: 3.9131 parameter: [18.398 2 -0.16254012]	0.6745578 -1.9592872
Round9635-----squared error: 3.9131 parameter: [18.398 -0.16254011]	0.67455771 -1.9592873
Round9636-----squared error: 3.9131 parameter: [18.398 8 -0.16254009]	0.67455762 -1.9592873
Round9637-----squared error: 3.9131 parameter: [18.398 6 -0.16254008]	0.67455753 -1.9592874
Round9638-----squared error: 3.9131 parameter: [18.398 4 -0.16254006]	0.67455744 -1.9592875
Round9639-----squared error: 3.9131 parameter: [18.398 2 -0.16254005]	0.67455735 -1.9592876
Round9640-----squared error: 3.9131 parameter: [18.398 1 -0.16254004]	0.67455726 -1.9592877
Round9641-----squared error: 3.9131 parameter: [18.398 9 -0.16254002]	0.67455717 -1.9592877
Round9642-----squared error: 3.9131 parameter: [18.398 7 -0.16254001]	0.67455708 -1.9592878
Round9643-----squared error: 3.9131 parameter: [18.398 5 -0.16254]	0.67455699 -1.9592879
Round9644-----squared error: 3.9131 parameter: [18.398 3 -0.16253998]	0.6745569 -1.9592880
Round9645-----squared error: 3.9131 parameter: [18.398 1 -0.16253997]	0.67455681 -1.9592881
Round9646-----squared error: 3.9131 parameter: [18.398 9 -0.16253995]	0.67455672 -1.9592881
Round9647-----squared error: 3.9131 parameter: [18.398 7 -0.16253994]	0.67455663 -1.9592882
Round9648-----squared error: 3.9131 parameter: [18.398 5 -0.16253993]	0.67455654 -1.9592883
Round9649-----squared error: 3.9131 parameter: [18.398 4 -0.16253991]	0.67455645 -1.9592884
Round9650-----squared error: 3.9131 parameter: [18.398 2 -0.1625399]	0.67455636 -1.9592885
Round9651-----squared error: 3.9131 parameter: [18.398 -0.16253989]	0.67455627 -1.9592886
Round9652-----squared error: 3.9131 parameter: [18.398 8 -0.16253987]	0.67455619 -1.9592886
Round9653-----squared error: 3.9131 parameter: [18.398 6 -0.16253986]	0.6745561 -1.9592887
Round9654-----squared error: 3.9131 parameter: [18.398 4 -0.16253985]	0.67455601 -1.9592888
Round9655-----squared error: 3.9131 parameter: [18.398 2 -0.16253983]	0.67455592 -1.9592889
Round9656-----squared error: 3.9131 parameter: [18.398 -0.16253982]	0.67455583 -1.959289
Round9657-----squared error: 3.9131 parameter: [18.398 8 -0.16253981]	0.67455574 -1.9592890
Round9658-----squared error: 3.9131 parameter: [18.398 6 -0.16253979]	0.67455565 -1.9592891
Round9659-----squared error: 3.9131 parameter: [18.398 4 -0.16253978]	0.67455557 -1.9592892
Round9660-----squared error: 3.9131 parameter: [18.398 2 -0.16253976]	0.67455548 -1.9592893
Round9661-----squared error: 3.9131 parameter: [18.398 -0.16253975]	0.67455539 -1.9592894
Round9662-----squared error: 3.9131 parameter: [18.398 8 -0.16253974]	0.6745553 -1.9592894
Round9663-----squared error: 3.9131 parameter: [18.398 6 -0.16253972]	0.67455521 -1.9592895
Round9664-----squared error: 3.9131 parameter: [18.398 4 -0.16253971]	0.67455513 -1.9592896

Round9665-----squared error: 3.9131 parameter: [18.398 2 -0.1625397]	0.67455504 -1.9592897
Round9666-----squared error: 3.9131 parameter: [18.398 -0.16253968]	0.67455495 -1.9592898
Round9667-----squared error: 3.9131 parameter: [18.398 8 -0.16253967]	0.67455486 -1.9592898
Round9668-----squared error: 3.9131 parameter: [18.398 5 -0.16253966]	0.67455477 -1.9592899
Round9669-----squared error: 3.9131 parameter: [18.398 3 -0.16253964]	0.67455469 -1.9592900
Round9670-----squared error: 3.9131 parameter: [18.398 1 -0.16253963]	0.6745546 -1.9592901
Round9671-----squared error: 3.9131 parameter: [18.398 9 -0.16253962]	0.67455451 -1.9592901
Round9672-----squared error: 3.9131 parameter: [18.398 7 -0.1625396]	0.67455443 -1.9592902
Round9673-----squared error: 3.9131 parameter: [18.398 5 -0.16253959]	0.67455434 -1.9592903
Round9674-----squared error: 3.9131 parameter: [18.398 3 -0.16253958]	0.67455425 -1.9592904
Round9675-----squared error: 3.9131 parameter: [18.398 1 -0.16253956]	0.67455416 -1.9592905
Round9676-----squared error: 3.9131 parameter: [18.398 9 -0.16253955]	0.67455408 -1.9592905
Round9677-----squared error: 3.9131 parameter: [18.398 6 -0.16253954]	0.67455399 -1.9592906
Round9678-----squared error: 3.9131 parameter: [18.398 4 -0.16253952]	0.6745539 -1.9592907
Round9679-----squared error: 3.9131 parameter: [18.398 2 -0.16253951]	0.67455382 -1.9592908
Round9680-----squared error: 3.9131 parameter: [18.398 -0.1625395]	0.67455373 -1.9592909
Round9681-----squared error: 3.9131 parameter: [18.398 8 -0.16253948]	0.67455364 -1.9592909
Round9682-----squared error: 3.9131 parameter: [18.398 6 -0.16253947]	0.67455356 -1.9592910
Round9683-----squared error: 3.9131 parameter: [18.398 3 -0.16253946]	0.67455347 -1.9592911
Round9684-----squared error: 3.9131 parameter: [18.398 1 -0.16253945]	0.67455339 -1.9592912
Round9685-----squared error: 3.9131 parameter: [18.398 9 -0.16253943]	0.6745533 -1.9592912
Round9686-----squared error: 3.9131 parameter: [18.398 7 -0.16253942]	0.67455321 -1.9592913
Round9687-----squared error: 3.9131 parameter: [18.398 5 -0.16253941]	0.67455313 -1.9592914
Round9688-----squared error: 3.9131 parameter: [18.398 2 -0.16253939]	0.67455304 -1.9592915
Round9689-----squared error: 3.9131 parameter: [18.398 -0.16253938]	0.67455296 -1.9592916
Round9690-----squared error: 3.9131 parameter: [18.398 8 -0.16253937]	0.67455287 -1.9592916
Round9691-----squared error: 3.9131 parameter: [18.398 6 -0.16253935]	0.67455278 -1.9592917
Round9692-----squared error: 3.9131 parameter: [18.398 3 -0.16253934]	0.6745527 -1.9592918
Round9693-----squared error: 3.9131 parameter: [18.398 1 -0.16253933]	0.67455261 -1.9592919
Round9694-----squared error: 3.9131 parameter: [18.398 9 -0.16253931]	0.67455253 -1.9592919
Round9695-----squared error: 3.9131 parameter: [18.398 7 -0.1625393]	0.67455244 -1.9592920
Round9696-----squared error: 3.9131 parameter: [18.398 4 -0.16253929]	0.67455236 -1.9592921

Round9697-----squared error: 3.9131 parameter: [18.398 2 -0.16253928]	0.67455227 -1.9592922
Round9698-----squared error: 3.9131 parameter: [18.398 -0.16253926]	0.67455219 -1.9592923
Round9699-----squared error: 3.9131 parameter: [18.398 7 -0.16253925]	0.6745521 -1.9592923
Round9700-----squared error: 3.9131 parameter: [18.398 5 -0.16253924]	0.67455202 -1.9592924
Round9701-----squared error: 3.9131 parameter: [18.398 3 -0.16253922]	0.67455193 -1.9592925
Round9702-----squared error: 3.9131 parameter: [18.398 -0.16253921]	0.67455185 -1.9592926
Round9703-----squared error: 3.9131 parameter: [18.398 8 -0.1625392]	0.67455176 -1.9592926
Round9704-----squared error: 3.9131 parameter: [18.398 6 -0.16253918]	0.67455168 -1.9592927
Round9705-----squared error: 3.9131 parameter: [18.398 3 -0.16253917]	0.67455159 -1.9592928
Round9706-----squared error: 3.9131 parameter: [18.398 1 -0.16253916]	0.67455151 -1.9592929
Round9707-----squared error: 3.9131 parameter: [18.398 9 -0.16253915]	0.67455143 -1.9592929
Round9708-----squared error: 3.9131 parameter: [18.398 6 -0.16253913]	0.67455134 -1.9592930
Round9709-----squared error: 3.9131 parameter: [18.398 4 -0.16253912]	0.67455126 -1.9592931
Round9710-----squared error: 3.9131 parameter: [18.398 2 -0.16253911]	0.67455117 -1.9592932
Round9711-----squared error: 3.9131 parameter: [18.398 9 -0.16253909]	0.67455109 -1.9592932
Round9712-----squared error: 3.9131 parameter: [18.398 7 -0.16253908]	0.674551 -1.9592933
Round9713-----squared error: 3.9131 parameter: [18.398 4 -0.16253907]	0.67455092 -1.9592934
Round9714-----squared error: 3.9131 parameter: [18.398 2 -0.16253906]	0.67455084 -1.9592935
Round9715-----squared error: 3.9131 parameter: [18.398 9 -0.16253904]	0.67455075 -1.9592935
Round9716-----squared error: 3.9131 parameter: [18.398 7 -0.16253903]	0.67455067 -1.9592936
Round9717-----squared error: 3.9131 parameter: [18.398 5 -0.16253902]	0.67455059 -1.9592937
Round9718-----squared error: 3.9131 parameter: [18.398 2 -0.162539]	0.6745505 -1.9592938
Round9719-----squared error: 3.9131 parameter: [18.398 -0.16253899]	0.67455042 -1.9592939
Round9720-----squared error: 3.9131 parameter: [18.398 7 -0.16253898]	0.67455034 -1.9592939
Round9721-----squared error: 3.9131 parameter: [18.398 5 -0.16253897]	0.67455025 -1.9592940
Round9722-----squared error: 3.9131 parameter: [18.398 2 -0.16253895]	0.67455017 -1.9592941
Round9723-----squared error: 3.9131 parameter: [18.398 -0.16253894]	0.67455009 -1.9592942
Round9724-----squared error: 3.9131 parameter: [18.398 7 -0.16253893]	0.67455 -1.9592942
Round9725-----squared error: 3.9131 parameter: [18.398 5 -0.16253892]	0.67454992 -1.9592943
Round9726-----squared error: 3.9131 parameter: [18.398 2 -0.1625389]	0.67454984 -1.9592944
Round9727-----squared error: 3.9131 parameter: [18.398 -0.16253889]	0.67454976 -1.9592945
Round9728-----squared error: 3.9131 parameter: [18.398 7 -0.16253888]	0.67454967 -1.9592945

Round9729-----squared error: 3.9131 parameter: [18.398 5 -0.16253887]	0.67454959 -1.9592946
Round9730-----squared error: 3.9131 parameter: [18.398 2 -0.16253885]	0.67454951 -1.9592947
Round9731-----squared error: 3.9131 parameter: [18.398 -0.16253884]	0.67454943 -1.9592948
Round9732-----squared error: 3.9131 parameter: [18.398 7 -0.16253883]	0.67454934 -1.9592948
Round9733-----squared error: 3.9131 parameter: [18.398 5 -0.16253882]	0.67454926 -1.9592949
Round9734-----squared error: 3.9131 parameter: [18.398 2 -0.1625388]	0.67454918 -1.9592950
Round9735-----squared error: 3.9131 parameter: [18.398 9 -0.16253879]	0.6745491 -1.9592950
Round9736-----squared error: 3.9131 parameter: [18.398 7 -0.16253878]	0.67454902 -1.9592951
Round9737-----squared error: 3.9131 parameter: [18.398 4 -0.16253876]	0.67454893 -1.9592952
Round9738-----squared error: 3.9131 parameter: [18.398 2 -0.16253875]	0.67454885 -1.9592953
Round9739-----squared error: 3.9131 parameter: [18.398 9 -0.16253874]	0.67454877 -1.9592953
Round9740-----squared error: 3.9131 parameter: [18.398 6 -0.16253873]	0.67454869 -1.9592954
Round9741-----squared error: 3.9131 parameter: [18.398 4 -0.16253872]	0.67454861 -1.9592955
Round9742-----squared error: 3.9131 parameter: [18.398 1 -0.1625387]	0.67454852 -1.9592956
Round9743-----squared error: 3.9131 parameter: [18.398 9 -0.16253869]	0.67454844 -1.9592956
Round9744-----squared error: 3.9131 parameter: [18.398 6 -0.16253868]	0.67454836 -1.9592957
Round9745-----squared error: 3.9131 parameter: [18.398 3 -0.16253867]	0.67454828 -1.9592958
Round9746-----squared error: 3.9131 parameter: [18.398 1 -0.16253865]	0.6745482 -1.9592959
Round9747-----squared error: 3.9131 parameter: [18.398 8 -0.16253864]	0.67454812 -1.9592959
Round9748-----squared error: 3.9131 parameter: [18.398 5 -0.16253863]	0.67454804 -1.9592960
Round9749-----squared error: 3.9131 parameter: [18.398 3 -0.16253862]	0.67454796 -1.9592961
Round9750-----squared error: 3.9131 parameter: [18.398 -0.1625386]	0.67454788 -1.9592962
Round9751-----squared error: 3.9131 parameter: [18.398 7 -0.16253859]	0.67454779 -1.9592962
Round9752-----squared error: 3.9131 parameter: [18.398 5 -0.16253858]	0.67454771 -1.9592963
Round9753-----squared error: 3.9131 parameter: [18.398 2 -0.16253857]	0.67454763 -1.9592964
Round9754-----squared error: 3.9131 parameter: [18.398 9 -0.16253855]	0.67454755 -1.9592964
Round9755-----squared error: 3.9131 parameter: [18.398 7 -0.16253854]	0.67454747 -1.9592965
Round9756-----squared error: 3.9131 parameter: [18.398 4 -0.16253853]	0.67454739 -1.9592966
Round9757-----squared error: 3.9131 parameter: [18.398 1 -0.16253852]	0.67454731 -1.9592967
Round9758-----squared error: 3.9131 parameter: [18.398 8 -0.16253851]	0.67454723 -1.9592967
Round9759-----squared error: 3.9131 parameter: [18.398 6 -0.16253849]	0.67454715 -1.9592968
Round9760-----squared error: 3.9131 parameter: [18.398 3 -0.16253848]	0.67454707 -1.9592969

Round9761-----squared error: 3.9131 parameter: [18.398 -0.16253847]	0.67454699 -1.959297
Round9762-----squared error: 3.9131 parameter: [18.398 7 -0.16253846]	0.67454691 -1.9592970
Round9763-----squared error: 3.9131 parameter: [18.398 5 -0.16253844]	0.67454683 -1.9592971
Round9764-----squared error: 3.9131 parameter: [18.398 2 -0.16253843]	0.67454675 -1.9592972
Round9765-----squared error: 3.9131 parameter: [18.398 9 -0.16253842]	0.67454667 -1.9592972
Round9766-----squared error: 3.9131 parameter: [18.398 6 -0.16253841]	0.67454659 -1.9592973
Round9767-----squared error: 3.9131 parameter: [18.398 3 -0.1625384]	0.67454651 -1.9592974
Round9768-----squared error: 3.9131 parameter: [18.398 1 -0.16253838]	0.67454643 -1.9592975
Round9769-----squared error: 3.9131 parameter: [18.398 8 -0.16253837]	0.67454635 -1.9592975
Round9770-----squared error: 3.9131 parameter: [18.398 5 -0.16253836]	0.67454627 -1.9592976
Round9771-----squared error: 3.9131 parameter: [18.398 2 -0.16253835]	0.67454619 -1.9592977
Round9772-----squared error: 3.9131 parameter: [18.398 9 -0.16253833]	0.67454612 -1.9592977
Round9773-----squared error: 3.9131 parameter: [18.398 7 -0.16253832]	0.67454604 -1.9592978
Round9774-----squared error: 3.9131 parameter: [18.398 4 -0.16253831]	0.67454596 -1.9592979
Round9775-----squared error: 3.9131 parameter: [18.398 1 -0.1625383]	0.67454588 -1.9592980
Round9776-----squared error: 3.9131 parameter: [18.398 8 -0.16253829]	0.6745458 -1.9592980
Round9777-----squared error: 3.9131 parameter: [18.398 5 -0.16253827]	0.67454572 -1.9592981
Round9778-----squared error: 3.9131 parameter: [18.398 2 -0.16253826]	0.67454564 -1.9592982
Round9779-----squared error: 3.9131 parameter: [18.398 9 -0.16253825]	0.67454556 -1.9592982
Round9780-----squared error: 3.9131 parameter: [18.398 6 -0.16253824]	0.67454548 -1.9592983
Round9781-----squared error: 3.9131 parameter: [18.398 4 -0.16253823]	0.67454541 -1.9592984
Round9782-----squared error: 3.9131 parameter: [18.398 1 -0.16253821]	0.67454533 -1.9592985
Round9783-----squared error: 3.9131 parameter: [18.398 8 -0.1625382]	0.67454525 -1.9592985
Round9784-----squared error: 3.9131 parameter: [18.398 5 -0.16253819]	0.67454517 -1.9592986
Round9785-----squared error: 3.9131 parameter: [18.398 2 -0.16253818]	0.67454509 -1.9592987
Round9786-----squared error: 3.9131 parameter: [18.398 9 -0.16253817]	0.67454501 -1.9592987
Round9787-----squared error: 3.9131 parameter: [18.398 6 -0.16253815]	0.67454494 -1.9592988
Round9788-----squared error: 3.9131 parameter: [18.398 3 -0.16253814]	0.67454486 -1.9592989
Round9789-----squared error: 3.9131 parameter: [18.398 -0.16253813]	0.67454478 -1.959299
Round9790-----squared error: 3.9131 parameter: [18.398 7 -0.16253812]	0.6745447 -1.9592990
Round9791-----squared error: 3.9131 parameter: [18.398 4 -0.16253811]	0.67454463 -1.9592991
Round9792-----squared error: 3.9131 parameter: [18.398 1 -0.1625381]	0.67454455 -1.9592992

Round9793-----squared error: 3.9131 parameter: [18.398 8 -0.16253808]	0.67454447 -1.9592992
Round9794-----squared error: 3.9131 parameter: [18.398 5 -0.16253807]	0.67454439 -1.9592993
Round9795-----squared error: 3.9131 parameter: [18.398 2 -0.16253806]	0.67454431 -1.9592994
Round9796-----squared error: 3.9131 parameter: [18.398 9 -0.16253805]	0.67454424 -1.9592994
Round9797-----squared error: 3.9131 parameter: [18.398 6 -0.16253804]	0.67454416 -1.9592995
Round9798-----squared error: 3.9131 parameter: [18.398 3 -0.16253802]	0.67454408 -1.9592996
Round9799-----squared error: 3.9131 parameter: [18.398 -0.16253801]	0.67454401 -1.9592997
Round9800-----squared error: 3.9131 parameter: [18.398 7 -0.162538]	0.67454393 -1.9592997
Round9801-----squared error: 3.9131 parameter: [18.398 4 -0.16253799]	0.67454385 -1.9592998
Round9802-----squared error: 3.9131 parameter: [18.398 1 -0.16253798]	0.67454377 -1.9592999
Round9803-----squared error: 3.9131 parameter: [18.398 8 -0.16253797]	0.6745437 -1.9592999
Round9804-----squared error: 3.9131 parameter: [18.398 5 -0.16253795]	0.67454362 -1.9593000
Round9805-----squared error: 3.9131 parameter: [18.398 2 -0.16253794]	0.67454354 -1.9593001
Round9806-----squared error: 3.9131 parameter: [18.398 9 -0.16253793]	0.67454347 -1.9593001
Round9807-----squared error: 3.9131 parameter: [18.398 6 -0.16253792]	0.67454339 -1.9593002
Round9808-----squared error: 3.9131 parameter: [18.398 3 -0.16253791]	0.67454331 -1.9593003
Round9809-----squared error: 3.9131 parameter: [18.398 -0.1625379]	0.67454324 -1.9593004
Round9810-----squared error: 3.9131 parameter: [18.398 7 -0.16253788]	0.67454316 -1.9593004
Round9811-----squared error: 3.9131 parameter: [18.398 4 -0.16253787]	0.67454309 -1.9593005
Round9812-----squared error: 3.9131 parameter: [18.398 1 -0.16253786]	0.67454301 -1.9593006
Round9813-----squared error: 3.9131 parameter: [18.398 7 -0.16253785]	0.67454293 -1.9593006
Round9814-----squared error: 3.9131 parameter: [18.398 4 -0.16253784]	0.67454286 -1.9593007
Round9815-----squared error: 3.9131 parameter: [18.398 1 -0.16253783]	0.67454278 -1.9593008
Round9816-----squared error: 3.9131 parameter: [18.398 8 -0.16253781]	0.67454271 -1.9593008
Round9817-----squared error: 3.9131 parameter: [18.398 5 -0.1625378]	0.67454263 -1.9593009
Round9818-----squared error: 3.9131 parameter: [18.398 2 -0.16253779]	0.67454255 -1.9593010
Round9819-----squared error: 3.9131 parameter: [18.398 9 -0.16253778]	0.67454248 -1.9593010
Round9820-----squared error: 3.9131 parameter: [18.398 5 -0.16253777]	0.6745424 -1.9593011
Round9821-----squared error: 3.9131 parameter: [18.398 2 -0.16253776]	0.67454233 -1.9593012
Round9822-----squared error: 3.9131 parameter: [18.398 9 -0.16253774]	0.67454225 -1.9593012
Round9823-----squared error: 3.9131 parameter: [18.398 6 -0.16253773]	0.67454218 -1.9593013
Round9824-----squared error: 3.9131 parameter: [18.398 3 -0.16253772]	0.6745421 -1.9593014

Round9825-----squared error: 3.9131 parameter: [18.398 -0.16253771]	0.67454203 -1.9593015
Round9826-----squared error: 3.9131 parameter: [18.398 6 -0.1625377]	0.67454195 -1.9593015
Round9827-----squared error: 3.9131 parameter: [18.398 3 -0.16253769]	0.67454188 -1.9593016
Round9828-----squared error: 3.9131 parameter: [18.398 -0.16253768]	0.6745418 -1.9593017
Round9829-----squared error: 3.9131 parameter: [18.398 7 -0.16253766]	0.67454173 -1.9593017
Round9830-----squared error: 3.9131 parameter: [18.398 4 -0.16253765]	0.67454165 -1.9593018
Round9831-----squared error: 3.9131 parameter: [18.398 -0.16253764]	0.67454158 -1.9593019
Round9832-----squared error: 3.9131 parameter: [18.398 7 -0.16253763]	0.6745415 -1.9593019
Round9833-----squared error: 3.9131 parameter: [18.398 4 -0.16253762]	0.67454143 -1.9593020
Round9834-----squared error: 3.9131 parameter: [18.398 1 -0.16253761]	0.67454135 -1.9593021
Round9835-----squared error: 3.9131 parameter: [18.398 7 -0.1625376]	0.67454128 -1.9593021
Round9836-----squared error: 3.9131 parameter: [18.398 4 -0.16253758]	0.6745412 -1.9593022
Round9837-----squared error: 3.9131 parameter: [18.398 1 -0.16253757]	0.67454113 -1.9593023
Round9838-----squared error: 3.9131 parameter: [18.398 8 -0.16253756]	0.67454105 -1.9593023
Round9839-----squared error: 3.9131 parameter: [18.398 4 -0.16253755]	0.67454098 -1.9593024
Round9840-----squared error: 3.9131 parameter: [18.398 1 -0.16253754]	0.67454091 -1.9593025
Round9841-----squared error: 3.9131 parameter: [18.398 8 -0.16253753]	0.67454083 -1.9593025
Round9842-----squared error: 3.9131 parameter: [18.398 4 -0.16253752]	0.67454076 -1.9593026
Round9843-----squared error: 3.9131 parameter: [18.398 1 -0.1625375]	0.67454068 -1.9593027
Round9844-----squared error: 3.9131 parameter: [18.398 8 -0.16253749]	0.67454061 -1.9593027
Round9845-----squared error: 3.9131 parameter: [18.398 4 -0.16253748]	0.67454054 -1.9593028
Round9846-----squared error: 3.9131 parameter: [18.398 1 -0.16253747]	0.67454046 -1.9593029
Round9847-----squared error: 3.9131 parameter: [18.398 8 -0.16253746]	0.67454039 -1.9593029
Round9848-----squared error: 3.9131 parameter: [18.398 5 -0.16253745]	0.67454031 -1.9593030
Round9849-----squared error: 3.9131 parameter: [18.398 1 -0.16253744]	0.67454024 -1.9593031
Round9850-----squared error: 3.9131 parameter: [18.398 8 -0.16253743]	0.67454017 -1.9593031
Round9851-----squared error: 3.9131 parameter: [18.398 4 -0.16253741]	0.67454009 -1.9593032
Round9852-----squared error: 3.9131 parameter: [18.398 1 -0.1625374]	0.67454002 -1.9593033
Round9853-----squared error: 3.9131 parameter: [18.398 8 -0.16253739]	0.67453995 -1.9593033
Round9854-----squared error: 3.9131 parameter: [18.398 4 -0.16253738]	0.67453987 -1.9593034
Round9855-----squared error: 3.9131 parameter: [18.398 1 -0.16253737]	0.6745398 -1.9593035
Round9856-----squared error: 3.9131 parameter: [18.398 8 -0.16253736]	0.67453973 -1.9593035

Round9857-----squared error: 3.9131 parameter: [18.398 4 -0.16253735]	0.67453966 -1.9593036
Round9858-----squared error: 3.9131 parameter: [18.398 1 -0.16253734]	0.67453958 -1.9593037
Round9859-----squared error: 3.9131 parameter: [18.398 7 -0.16253733]	0.67453951 -1.9593037
Round9860-----squared error: 3.9131 parameter: [18.398 4 -0.16253731]	0.67453944 -1.9593038
Round9861-----squared error: 3.9131 parameter: [18.398 1 -0.1625373]	0.67453936 -1.9593039
Round9862-----squared error: 3.9131 parameter: [18.398 7 -0.16253729]	0.67453929 -1.9593039
Round9863-----squared error: 3.9131 parameter: [18.398 4 -0.16253728]	0.67453922 -1.9593040
Round9864-----squared error: 3.9131 parameter: [18.398 -0.16253727]	0.67453915 -1.9593041
Round9865-----squared error: 3.9131 parameter: [18.398 7 -0.16253726]	0.67453907 -1.9593041
Round9866-----squared error: 3.9131 parameter: [18.398 3 -0.16253725]	0.674539 -1.9593042
Round9867-----squared error: 3.9131 parameter: [18.398 -0.16253724]	0.67453893 -1.9593043
Round9868-----squared error: 3.9131 parameter: [18.398 6 -0.16253723]	0.67453886 -1.9593043
Round9869-----squared error: 3.9131 parameter: [18.398 3 -0.16253721]	0.67453879 -1.9593044
Round9870-----squared error: 3.9131 parameter: [18.398 9 -0.1625372]	0.67453871 -1.9593044
Round9871-----squared error: 3.9131 parameter: [18.398 6 -0.16253719]	0.67453864 -1.9593045
Round9872-----squared error: 3.9131 parameter: [18.398 3 -0.16253718]	0.67453857 -1.9593046
Round9873-----squared error: 3.9131 parameter: [18.398 9 -0.16253717]	0.6745385 -1.9593046
Round9874-----squared error: 3.9131 parameter: [18.398 6 -0.16253716]	0.67453843 -1.9593047
Round9875-----squared error: 3.9131 parameter: [18.398 2 -0.16253715]	0.67453835 -1.9593048
Round9876-----squared error: 3.9131 parameter: [18.398 8 -0.16253714]	0.67453828 -1.9593048
Round9877-----squared error: 3.9131 parameter: [18.398 5 -0.16253713]	0.67453821 -1.9593049
Round9878-----squared error: 3.9131 parameter: [18.398 1 -0.16253712]	0.67453814 -1.9593050
Round9879-----squared error: 3.9131 parameter: [18.398 8 -0.16253711]	0.67453807 -1.9593050
Round9880-----squared error: 3.9131 parameter: [18.398 4 -0.16253709]	0.674538 -1.9593051
Round9881-----squared error: 3.9131 parameter: [18.398 1 -0.16253708]	0.67453793 -1.9593052
Round9882-----squared error: 3.9131 parameter: [18.398 7 -0.16253707]	0.67453785 -1.9593052
Round9883-----squared error: 3.9131 parameter: [18.398 4 -0.16253706]	0.67453778 -1.9593053
Round9884-----squared error: 3.9131 parameter: [18.398 -0.16253705]	0.67453771 -1.9593054
Round9885-----squared error: 3.9131 parameter: [18.398 7 -0.16253704]	0.67453764 -1.9593054
Round9886-----squared error: 3.9131 parameter: [18.398 3 -0.16253703]	0.67453757 -1.9593055
Round9887-----squared error: 3.9131 parameter: [18.398 9 -0.16253702]	0.6745375 -1.9593055
Round9888-----squared error: 3.9131 parameter: [18.398 6 -0.16253701]	0.67453743 -1.9593056

Round9889-----squared error: 3.9131 parameter: [18.398 2 -0.162537]	0.67453736 -1.9593057
Round9890-----squared error: 3.9131 parameter: [18.398 9 -0.16253699]	0.67453729 -1.9593057
Round9891-----squared error: 3.9131 parameter: [18.398 5 -0.16253698]	0.67453722 -1.9593058
Round9892-----squared error: 3.9131 parameter: [18.398 1 -0.16253696]	0.67453715 -1.9593059
Round9893-----squared error: 3.9131 parameter: [18.398 8 -0.16253695]	0.67453707 -1.9593059
Round9894-----squared error: 3.9131 parameter: [18.398 4 -0.16253694]	0.674537 -1.9593060
Round9895-----squared error: 3.9131 parameter: [18.398 1 -0.16253693]	0.67453693 -1.9593061
Round9896-----squared error: 3.9131 parameter: [18.398 7 -0.16253692]	0.67453686 -1.9593061
Round9897-----squared error: 3.9131 parameter: [18.398 3 -0.16253691]	0.67453679 -1.9593062
Round9898-----squared error: 3.9131 parameter: [18.398 -0.1625369]	0.67453672 -1.9593063
Round9899-----squared error: 3.9131 parameter: [18.398 6 -0.16253689]	0.67453665 -1.9593063
Round9900-----squared error: 3.9131 parameter: [18.398 2 -0.16253688]	0.67453658 -1.9593064
Round9901-----squared error: 3.9131 parameter: [18.398 9 -0.16253687]	0.67453651 -1.9593064
Round9902-----squared error: 3.9131 parameter: [18.398 5 -0.16253686]	0.67453644 -1.9593065
Round9903-----squared error: 3.9131 parameter: [18.398 1 -0.16253685]	0.67453637 -1.9593066
Round9904-----squared error: 3.9131 parameter: [18.398 8 -0.16253684]	0.6745363 -1.9593066
Round9905-----squared error: 3.9131 parameter: [18.398 4 -0.16253683]	0.67453623 -1.9593067
Round9906-----squared error: 3.9131 parameter: [18.398 -0.16253681]	0.67453616 -1.9593068
Round9907-----squared error: 3.9131 parameter: [18.398 6 -0.1625368]	0.6745361 -1.9593068
Round9908-----squared error: 3.9131 parameter: [18.398 3 -0.16253679]	0.67453603 -1.9593069
Round9909-----squared error: 3.9131 parameter: [18.398 9 -0.16253678]	0.67453596 -1.9593069
Round9910-----squared error: 3.9131 parameter: [18.398 5 -0.16253677]	0.67453589 -1.9593070
Round9911-----squared error: 3.9131 parameter: [18.398 2 -0.16253676]	0.67453582 -1.9593071
Round9912-----squared error: 3.9131 parameter: [18.398 8 -0.16253675]	0.67453575 -1.9593071
Round9913-----squared error: 3.9131 parameter: [18.398 4 -0.16253674]	0.67453568 -1.9593072
Round9914-----squared error: 3.9131 parameter: [18.398 -0.16253673]	0.67453561 -1.9593073
Round9915-----squared error: 3.9131 parameter: [18.398 7 -0.16253672]	0.67453554 -1.9593073
Round9916-----squared error: 3.9131 parameter: [18.398 3 -0.16253671]	0.67453547 -1.9593074
Round9917-----squared error: 3.9131 parameter: [18.398 9 -0.1625367]	0.6745354 -1.9593074
Round9918-----squared error: 3.9131 parameter: [18.398 5 -0.16253669]	0.67453533 -1.9593075
Round9919-----squared error: 3.9131 parameter: [18.398 2 -0.16253668]	0.67453527 -1.9593076
Round9920-----squared error: 3.9131 parameter: [18.398 8 -0.16253667]	0.6745352 -1.9593076

Round9921-----squared error: 3.9131 parameter: [18.398 4 -0.16253666]	0.67453513 -1.9593077
Round9922-----squared error: 3.9131 parameter: [18.398 -0.16253665]	0.67453506 -1.9593078
Round9923-----squared error: 3.9131 parameter: [18.398 6 -0.16253664]	0.67453499 -1.9593078
Round9924-----squared error: 3.9131 parameter: [18.398 3 -0.16253662]	0.67453492 -1.9593079
Round9925-----squared error: 3.9131 parameter: [18.398 9 -0.16253661]	0.67453485 -1.9593079
Round9926-----squared error: 3.9131 parameter: [18.398 5 -0.1625366]	0.67453479 -1.9593080
Round9927-----squared error: 3.9131 parameter: [18.398 1 -0.16253659]	0.67453472 -1.9593081
Round9928-----squared error: 3.9131 parameter: [18.398 7 -0.16253658]	0.67453465 -1.9593081
Round9929-----squared error: 3.9131 parameter: [18.398 3 -0.16253657]	0.67453458 -1.9593082
Round9930-----squared error: 3.9131 parameter: [18.398 -0.16253656]	0.67453451 -1.9593083
Round9931-----squared error: 3.9131 parameter: [18.398 6 -0.16253655]	0.67453445 -1.9593083
Round9932-----squared error: 3.9131 parameter: [18.398 2 -0.16253654]	0.67453438 -1.9593084
Round9933-----squared error: 3.9131 parameter: [18.398 8 -0.16253653]	0.67453431 -1.9593084
Round9934-----squared error: 3.9131 parameter: [18.398 4 -0.16253652]	0.67453424 -1.9593085
Round9935-----squared error: 3.9131 parameter: [18.398 -0.16253651]	0.67453418 -1.9593086
Round9936-----squared error: 3.9131 parameter: [18.398 6 -0.1625365]	0.67453411 -1.9593086
Round9937-----squared error: 3.9131 parameter: [18.398 3 -0.16253649]	0.67453404 -1.9593087
Round9938-----squared error: 3.9131 parameter: [18.398 9 -0.16253648]	0.67453397 -1.9593087
Round9939-----squared error: 3.9131 parameter: [18.398 5 -0.16253647]	0.6745339 -1.9593088
Round9940-----squared error: 3.9131 parameter: [18.398 1 -0.16253646]	0.67453384 -1.9593089
Round9941-----squared error: 3.9131 parameter: [18.398 7 -0.16253645]	0.67453377 -1.9593089
Round9942-----squared error: 3.9131 parameter: [18.398 3 -0.16253644]	0.6745337 -1.9593090
Round9943-----squared error: 3.9131 parameter: [18.398 9 -0.16253643]	0.67453364 -1.9593090
Round9944-----squared error: 3.9131 parameter: [18.398 5 -0.16253642]	0.67453357 -1.9593091
Round9945-----squared error: 3.9131 parameter: [18.398 1 -0.16253641]	0.6745335 -1.9593092
Round9946-----squared error: 3.9131 parameter: [18.398 7 -0.1625364]	0.67453343 -1.9593092
Round9947-----squared error: 3.9131 parameter: [18.398 3 -0.16253639]	0.67453337 -1.9593093
Round9948-----squared error: 3.9131 parameter: [18.398 9 -0.16253638]	0.6745333 -1.9593093
Round9949-----squared error: 3.9131 parameter: [18.398 5 -0.16253637]	0.67453323 -1.9593094
Round9950-----squared error: 3.9131 parameter: [18.398 2 -0.16253636]	0.67453317 -1.9593095
Round9951-----squared error: 3.9131 parameter: [18.398 8 -0.16253635]	0.6745331 -1.9593095
Round9952-----squared error: 3.9131 parameter: [18.398 4 -0.16253634]	0.67453303 -1.9593096

Round9953-----squared error: 3.9131 parameter: [18.398 -0.16253633]	0.67453297 -1.9593097
Round9954-----squared error: 3.9131 parameter: [18.398 6 -0.16253632]	0.6745329 -1.9593097
Round9955-----squared error: 3.9131 parameter: [18.398 2 -0.16253631]	0.67453283 -1.9593098
Round9956-----squared error: 3.9131 parameter: [18.398 8 -0.1625363]	0.67453277 -1.9593098
Round9957-----squared error: 3.9131 parameter: [18.398 4 -0.16253629]	0.6745327 -1.9593099
Round9958-----squared error: 3.9131 parameter: [18.398 -0.16253628]	0.67453264 -1.95931
Round9959-----squared error: 3.9131 parameter: [18.398 6 -0.16253627]	0.67453257 -1.9593100
Round9960-----squared error: 3.9131 parameter: [18.398 2 -0.16253626]	0.6745325 -1.9593101
Round9961-----squared error: 3.9131 parameter: [18.398 8 -0.16253625]	0.67453244 -1.9593101
Round9962-----squared error: 3.9131 parameter: [18.398 4 -0.16253624]	0.67453237 -1.9593102
Round9963-----squared error: 3.9131 parameter: [18.398 -0.16253623]	0.67453231 -1.9593103
Round9964-----squared error: 3.9131 parameter: [18.398 5 -0.16253622]	0.67453224 -1.9593103
Round9965-----squared error: 3.9131 parameter: [18.398 1 -0.16253621]	0.67453217 -1.9593104
Round9966-----squared error: 3.9131 parameter: [18.398 7 -0.16253619]	0.67453211 -1.9593104
Round9967-----squared error: 3.9131 parameter: [18.398 3 -0.16253618]	0.67453204 -1.9593105
Round9968-----squared error: 3.9131 parameter: [18.398 9 -0.16253617]	0.67453198 -1.9593105
Round9969-----squared error: 3.9131 parameter: [18.398 5 -0.16253616]	0.67453191 -1.9593106
Round9970-----squared error: 3.9131 parameter: [18.398 1 -0.16253615]	0.67453185 -1.9593107
Round9971-----squared error: 3.9131 parameter: [18.398 7 -0.16253614]	0.67453178 -1.9593107
Round9972-----squared error: 3.9131 parameter: [18.398 3 -0.16253613]	0.67453172 -1.9593108
Round9973-----squared error: 3.9131 parameter: [18.398 9 -0.16253613]	0.67453165 -1.9593108
Round9974-----squared error: 3.9131 parameter: [18.398 5 -0.16253612]	0.67453159 -1.9593109
Round9975-----squared error: 3.9131 parameter: [18.398 1 -0.16253611]	0.67453152 -1.9593110
Round9976-----squared error: 3.9131 parameter: [18.398 7 -0.1625361]	0.67453146 -1.9593110
Round9977-----squared error: 3.9131 parameter: [18.398 2 -0.16253609]	0.67453139 -1.9593111
Round9978-----squared error: 3.9131 parameter: [18.398 8 -0.16253608]	0.67453133 -1.9593111
Round9979-----squared error: 3.9131 parameter: [18.398 4 -0.16253607]	0.67453126 -1.9593112
Round9980-----squared error: 3.9131 parameter: [18.398 -0.16253606]	0.6745312 -1.9593113
Round9981-----squared error: 3.9131 parameter: [18.398 6 -0.16253605]	0.67453113 -1.9593113
Round9982-----squared error: 3.9131 parameter: [18.398 2 -0.16253604]	0.67453107 -1.9593114
Round9983-----squared error: 3.9131 parameter: [18.398 8 -0.16253603]	0.674531 -1.9593114
Round9984-----squared error: 3.9131 parameter: [18.398 3 -0.16253602]	0.67453094 -1.9593115

```

Round9985-----squared error: 3.9131 parameter: [18.398      0.67453087 -1.9593115
9 -0.16253601]
Round9986-----squared error: 3.9131 parameter: [18.398      0.67453081 -1.9593116
5 -0.162536   ]
Round9987-----squared error: 3.9131 parameter: [18.398      0.67453074 -1.9593117
1 -0.16253599]
Round9988-----squared error: 3.9131 parameter: [18.398      0.67453068 -1.9593117
7 -0.16253598]
Round9989-----squared error: 3.9131 parameter: [18.398      0.67453062 -1.9593118
3 -0.16253597]
Round9990-----squared error: 3.9131 parameter: [18.398      0.67453055 -1.9593118
8 -0.16253596]
Round9991-----squared error: 3.9131 parameter: [18.398      0.67453049 -1.9593119
4 -0.16253595]
Round9992-----squared error: 3.9131 parameter: [18.398      0.67453042 -1.959312
-0.16253594]
Round9993-----squared error: 3.9131 parameter: [18.398      0.67453036 -1.9593120
6 -0.16253593]
Round9994-----squared error: 3.9131 parameter: [18.398      0.67453029 -1.9593121
2 -0.16253592]
Round9995-----squared error: 3.9131 parameter: [18.398      0.67453023 -1.9593121
7 -0.16253591]
Round9996-----squared error: 3.9131 parameter: [18.398      0.67453017 -1.9593122
3 -0.1625359   ]
Round9997-----squared error: 3.9131 parameter: [18.398      0.6745301   -1.9593122
9 -0.16253589]
Round9998-----squared error: 3.9131 parameter: [18.398      0.67453004 -1.9593123
5 -0.16253588]
Round9999-----squared error: 3.9131 parameter: [18.398      0.67452998 -1.9593124
-0.16253587]
Round10000-----squared error: 3.9131 parameter: [18.398      0.67452991 -1.959312
46 -0.16253586]

```

Final result

```
Out[ ]: array([18.398      ,  0.67452991, -1.95931246, -0.16253586])
```

```

In [ ]: # Test results using test data

test_x = test[['RM', 'LSTAT', 'PTRATIO']]

# standardization
test_x = (test_x-test_x.mean()) / test_x.std()

# For the constant item parameter 0 corresponds to input 1
test_x = np.insert(test_x.to_numpy(), 0, 1, axis=1)

test_y = test['MEDV']

plt.figure(figsize=(30,10))
plt.plot(np.arange(0,test_x.shape[0]), test_y, c='b', linestyle=':')
plt.plot(np.arange(0,test_x.shape[0]), function(test_x), c='green', linestyle='--')

```

```
Out[ ]: [matplotlib.lines.Line2D at 0x1a1668b4c10>]
```

