

Final Report

December 9, 2018

Bayesian Data Analysis Project (BDA) - 2018

1 Analysis of House Prices Prediction through Supervised Bayesian Approach of Linear & Polynomial Regression

1.1 Data Analysis

This section of the report will briefly highlight some of the characteristics of the dataset chosen from Kaggle [1]. In addition to this, some figures and illustrations will be provided to support how the distribution of features and labels in the training data will affect the Stan modeling.

We start this section with importing all the necessary packages and importing the dataset to better visualize it and see all the features and labels in it.

```
In [1]: # Dependencies
import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
import psis
from IPython.display import display, HTML
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import mean_squared_error
from math import sqrt
from scipy.special import logsumexp

# Import from Stan utilities
import stan_utility
```

```
In [2]: # Import dataset and view a part of it
df = pd.read_csv("kc_house_data.csv")
display(df.head())
```

	id	date	price	bedrooms	bathrooms	sqft_living	\
0	7129300520	20141013T000000	221900.0	3	1.00	1180	
1	6414100192	20141209T000000	538000.0	3	2.25	2570	
2	5631500400	20150225T000000	180000.0	2	1.00	770	
3	2487200875	20141209T000000	604000.0	4	3.00	1960	

```
4 1954400510 20150218T000000 510000.0 3 2.00 1680
```

```

sqft_lot  floors  waterfront  view  ...  grade  sqft_above  \
0      5650    1.0           0    0  ...    7        1180
1      7242    2.0           0    0  ...    7        2170
2     10000    1.0           0    0  ...    6         770
3       5000    1.0           0    0  ...    7        1050
4       8080    1.0           0    0  ...    8        1680

```

```

sqft_basement  yr_built  yr_renovated  zipcode    lat    long  \
0              0      1955              0   98178  47.5112 -122.257
1             400      1951            1991   98125  47.7210 -122.319
2              0      1933              0   98028  47.7379 -122.233
3             910      1965              0   98136  47.5208 -122.393
4              0      1987              0   98074  47.6168 -122.045

```

```

sqft_living15  sqft_lot15
0             1340        5650
1             1690        7639
2             2720        8062
3             1360        5000
4             1800        7503

```

```
[5 rows x 21 columns]
```

As apparent from a portion of the dataset provided above, there are a total of 19 features of the house excluding the **price** which is the quantity we intended to infer from our model and the **id**. A total of 21613 observations exist in the dataset.

The objective of our analysis is to find the relationships of all the features with the **price** of the house. To achieve this feat, it is necessary to understand the distribution, nature, and correlation of each feature with the **price** of the house [2]. A good first step is the visualization of the house prices in all the observations. Some statistical indicators for the house prices are provided below:

```

In [3]: # Statistical Metrics for House Prices
minPrice = df.loc[:, 'price'].min()
maxPrice = df.loc[:, 'price'].max()
priceMean = df.loc[:, 'price'].mean()
priceMode = df.loc[:, 'price'].mode()
priceStats = df.loc[:, 'price'].describe()

print("Minimum House price: ", minPrice, "$")
print("Maximum House price: ", maxPrice, "$")

print("Mean of House prices: ", priceMean)
print("\nMode of House prices: ")
display(priceMode)

```

```

print("Statistics about House Price: ")
display(priceStats)

# Histogram of log of House Prices
fig = plt.figure(figsize = (16, 16))
plt.hist(np.log(df['price']), bins = 99, edgecolor = 'black', color = 'red')
plt.xlabel('Log of House Prices', fontsize = 14)
plt.ylabel('Frequency', fontsize = 14)
plt.tick_params(labelsize = 13)
plt.title('Logarithmic House Price Distribution', fontsize = 14, fontweight = 'bold')
plt.savefig(f"figures/logHist.jpg")

```

```

Minimum House price: 75000.0 $
Maximum House price: 7700000.0 $
Mean of House prices: 540088.1417665294

```

Mode of House prices:

```

0    350000.0
1    450000.0
dtype: float64

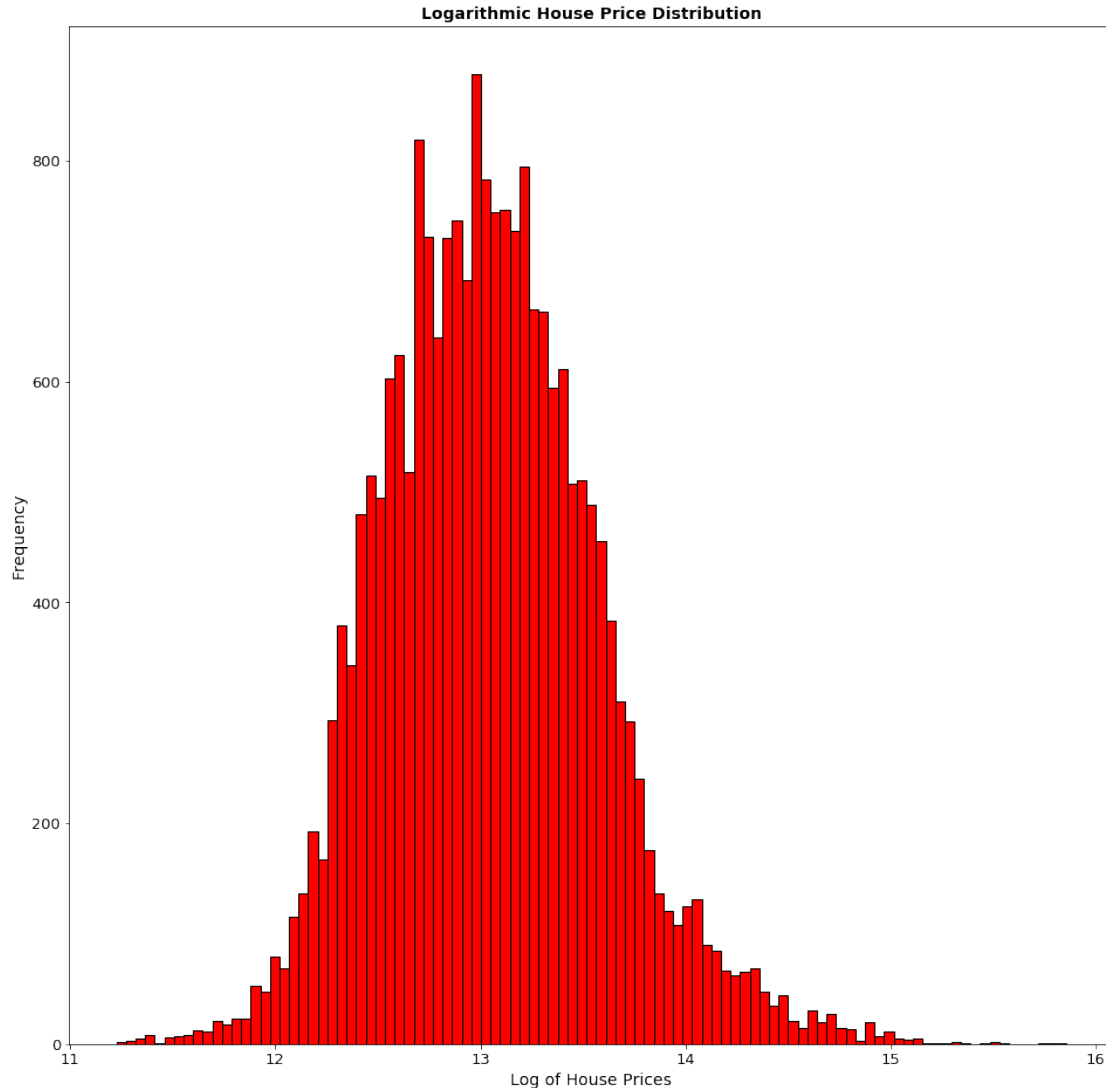
```

Statistics about House Price:

```

count    2.161300e+04
mean     5.400881e+05
std      3.671272e+05
min      7.500000e+04
25%     3.219500e+05
50%     4.500000e+05
75%     6.450000e+05
max      7.700000e+06
Name: price, dtype: float64

```



The statistical values along with the histogram clearly show that the prices are normally distributed with minimal skewness and most of the houses with prices 350k and 450k dollars. This provides reassurance that there will be no bias in the model as far as the house prices are concerned. The next step is to find the correlation between each feature with the price to understand the proportionalities between the two quantities which would provide useful information for *Feature Selection*. Before this, the feature **date** and **id** will be discarded from the dataset as they do not significantly (or at all) affect the price of the houses.

```
In [4]: # Drop unnecessary columns and display the updated dataset
df = df.drop(['id', 'date'], axis = 1)
display(df.head())
```

	price	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	\
0	221900.0	3	1.00	1180	5650	1.0	0	
1	538000.0	3	2.25	2570	7242	2.0	0	

2	180000.0	2	1.00	770	10000	1.0	0
3	604000.0	4	3.00	1960	5000	1.0	0
4	510000.0	3	2.00	1680	8080	1.0	0

	view	condition	grade	sqft_above	sqft_basement	yr_built	yr_renovated	\
0	0	3	7	1180	0	1955	0	
1	0	3	7	2170	400	1951	1991	
2	0	3	6	770	0	1933	0	
3	0	5	7	1050	910	1965	0	
4	0	3	8	1680	0	1987	0	

	zipcode	lat	long	sqft_living15	sqft_lot15
0	98178	47.5112	-122.257	1340	5650
1	98125	47.7210	-122.319	1690	7639
2	98028	47.7379	-122.233	2720	8062
3	98136	47.5208	-122.393	1360	5000
4	98074	47.6168	-122.045	1800	7503

```
In [5]: # Correlation of all the features with the price of the house
        most_corr = df.corr()['price'].abs().sort_values(ascending = False)

        # Feature count
        F = 4

        # Retain the top 4 most correlated features with the price
        most_corr = most_corr[1:F + 1]

        '''
        Preparation of the data for the
        Stan Model (samples for convergence and predictions)
        '''
        totalSamples = 2000
        df = df.sample(n = totalSamples)

        # Store the prices in the label set
        labels = df['price']

        '''
        # Trim down the dataframe to the desired number of features
        and without the labels ('price')
        '''
        df = df.loc[:, most_corr.index]
```

As per the scope of the project and the size of the dataset, we have decided to shortlist a total of four features from the dataset with the highest magnitude of correlation values for creating our Bayesian model. As can be seen from the correlation values, the three selected features are **sqft_living**, **grade**, **sqft_above**, and **sqft_living15**. The detailed descriptions of each of these features are as follows:

1. **sqft_living**: Square Footage of each home.
2. **grade**: Overall grade given to the housing unit based on King County grading system.
3. **sqft_above**: Square Footage of house apart from the basement.
4. **sqft_living15**: Living room area in 2015 (implies -- some renovations) This might or might not have affected the lot size area

After selecting the best features, the dataset has been divided into a separate *training set* (all selected features) and a *test set* (list of all labels, i.e., **price**). Moreover, a subsample of the dataset roughly 10% of the original one has been extracted randomly for creating the Bayesian Model. The split ratio for train and test sets has been set to 70:30. In addition to this, the feature dataset has been scaled using the **Standard Scaler** to ensure that the mean and variance of the feature distribution stays close to 0 and 1 respectively.

```
In [6]: # Create train and test splits for the features and labels
        x_train, x_test, y_train, y_test = train_test_split(df, labels,
                                                            test_size = 0.1,
                                                            random_state = 42)

        # Type conversion of splits
        x_train = x_train.values
        x_test = x_test.values
        y_train = y_train.values
        y_test = y_test.values

        XTrain = x_train.astype(str).astype(float)
        YTrain = y_train.ravel().astype(str).astype(float)
        XTest = x_test.astype(str).astype(float)
        YTest = y_test.ravel().astype(str).astype(float)

        # Scaling of the train and test data for the model
        scaler = StandardScaler()
        scaler_new = StandardScaler()

        XTrain_Scaled = scaler.fit_transform(XTrain)
        XTest_Scaled = scaler.transform(XTest)

        YTrain_Scaled = scaler_new.fit_transform(YTrain.reshape(-1, 1)).ravel()
        YTest_Scaled = scaler_new.transform(YTest.reshape(-1, 1)).ravel()

        # Input data for Stan model (Linear Regression)
        data_linear = dict(
            tN = len(XTest_Scaled),
            N = len(XTrain_Scaled),
            F = F,
            y = YTrain_Scaled,
            x = XTrain_Scaled,
            x_test = XTest_Scaled
        )
```

```

# Input data for Stan model (Polynomial Regression)
data_poly = dict(
    tN = len(XTest_Scaled),
    N = len(XTrain_Scaled),
    F = F,
    y = YTrain_Scaled,
    x = XTrain_Scaled,
    x_2 = np.square(XTrain_Scaled),
    x_test = XTest_Scaled,
    x_test_2 = np.square(XTest_Scaled)
)

```

1.2 Bayesian Modeling

A regression model provides an equation where the *coefficients* represent the relationship between the independent variable(s), i.e., **features** and the dependent variable, i.e., the **price**. The *intercept* is the expected mean value of price if all features are equal to zero. Based upon our dataset having multiple features and a positive numbered label which is *non-categorical* and *non-ordinal*, the **linear** and **polynomial** regression models are best-suited for predicting the house prices. Our goal is to carry out a comparative analysis of the *Linear Regression* model and the *Polynomial Regression* model of **degree 2** to find out which model is relatively appropriate for our dataset. The equation for a **linear regression model** is provided below:

$$y = \beta_0 + \beta_1 x + \varepsilon$$

Similarly, the equation for a **polynomial regression model** is provided below:

$$y = \beta_0 + \beta_1 x + \beta_2 x^2 + \varepsilon$$

As apparent from the trimmed dataset and the correlation values, there is no *hierarchy* in the data to enable us to explore **separate** and **hierarchal** models for Stan. Hence, both Stan models for *linear* and *polynomial* regression are **pooled** models [3].

For our problem, we have chosen weakly informative priors as defined in Gelman 2008. TO get the best result out of Stan, dataset instability has to be prevented, which can typically arise from bad geometry in the posterior that can cause Stan to adapt poorly and have heavy tails. Looking at the logarithmic plot of the **price**, the ideal choice is to proceed with the **weakly informative prior**. The reason behind this is the fact that the prior rules out unreasonable parameter values but is not so strong as to rule out values that might make sense. Furthermore, the loss in precision by making the prior a bit too weak is less serious than the gain in robustness by including parts of parameter space that might be relevant. As a result, the Cauchy distribution with mean 0 and a long tail is perceived to be the best choice for the problem at hand [4].

In our Stan model, we first construct the data block, which includes the *features* and *prices* of the **training set** along with their *count* and lastly, the *features* of the **test set** along with their *count*. We then initialize our parameters which in our case are the *intercept*, *slope values*, and the *variance*. The intercept and slope parameters are transformed into another parameter which can be considered as the **expected mean** of the price distribution.

We subsequently model the house prices as a normal sample with a mean that is the transformed parameter computed earlier.

Once the model is fitted, the parameters are then used to predict the house prices of the test set and also the log-likelihood values are generated in order to calculate the PSIS-LOO values (for performance analysis later on).

```
In [7]: # Stan models compilation (for both Linear and Polynomial Regression)
        model_linear = stan_utility.compile_model(filename = 'model_trial.stan',
                                                    model_name = 'linear')
        model_poly = stan_utility.compile_model(filename = 'model_trial_2.stan',
                                                  model_name = 'polynomial')
```

Using cached StanModel

Using cached StanModel

```
In [8]: # Linear Regression model
```

```
'''
Model fitting with default parameters
and displaying the results (random seed to reproduce results)
'''
fit_linear = model_linear.sampling(data = data_linear,
                                   seed = 194838, n_jobs = -1)

'''
# Extraction of Posterior Predictive samples
from the model (Linear Regression)
'''
samples_linear = fit_linear.extract(permuted = True)

# Ensuring that parameters to the Stan model are fine tuned
stan_utility.check_treedepth(fit_linear)
```

0 of 4000 iterations saturated the maximum tree depth of 10 (0.0%)

```
In [9]: # Polynomial Regression model
```

```
'''
# Model fitting with default parameters
and displaying the results (random seed to reproduce results)
'''
fit_poly = model_poly.sampling(data = data_poly,
                               seed = 194838, n_jobs = -1)

'''
# Extraction of Posterior Predictive samples
from the model (Polynomial Regression)
'''
samples_poly = fit_poly.extract(permuted = True)
```



```
# Ensuring that parameters to the Stan model are fine tuned
stan_utility.check_treedepth(fit_poly)
```

0 of 4000 iterations saturated the maximum tree depth of 10 (0.0%)

After observing the \hat{R} of both the models, it is safe to state that both models have converged with the default *iteration* and *chain* settings of Stan. Since the house **prices** had been scaled before being fitted in the models, therefore we would have to *unscale* them to their original values for future comparative analysis. The results of \hat{R} and n_{eff} clearly signify that the choice of models was appropriate for the given problem.

Please refer to the **Appendices** section for the Stan model results of the *Linear* and *Polynomial* regression models.

1.3 Comparative Analysis of the Models

For this problem, the efficiency of the models that we chose to fit the *training set* and utilize it to make predictions for the *test set* can be analyzed by the following means:

1. Visual Depiction of the Original vs. the Predicted House Prices
2. Root Mean Squared (RMS) error
3. PSIS-LOO CV (leave-one-out cross-validation) values along with Pareto k-value estimates for the models

Firstly, we *unscaled* the predicted prices retrieved from the **linear** and **polynomial** regression models in Stan and generated a visual illustration to enable a 3-way comparison between these two sets of values and the original house **prices** as shown below:

```
In [10]: '''
Extract the predictive posterior values from the model
and the original 'Price' value from the dataset
'''

y_ax_linear = samples_linear['y_predicted'].mean(axis = 0)
y_ax_poly = samples_poly['y_predicted'].mean(axis = 0)

# Scale back prediction to original values
y_linear_unscaled = scaler_new.inverse_transform(y_ax_linear)
y_poly_unscaled = scaler_new.inverse_transform(y_ax_poly)
YTest_Unscaled = scaler_new.inverse_transform(YTest_Scaled)

'''

# Extract a fraction (30%) of the Predictive Posterior
values from the test samples and original samples
'''

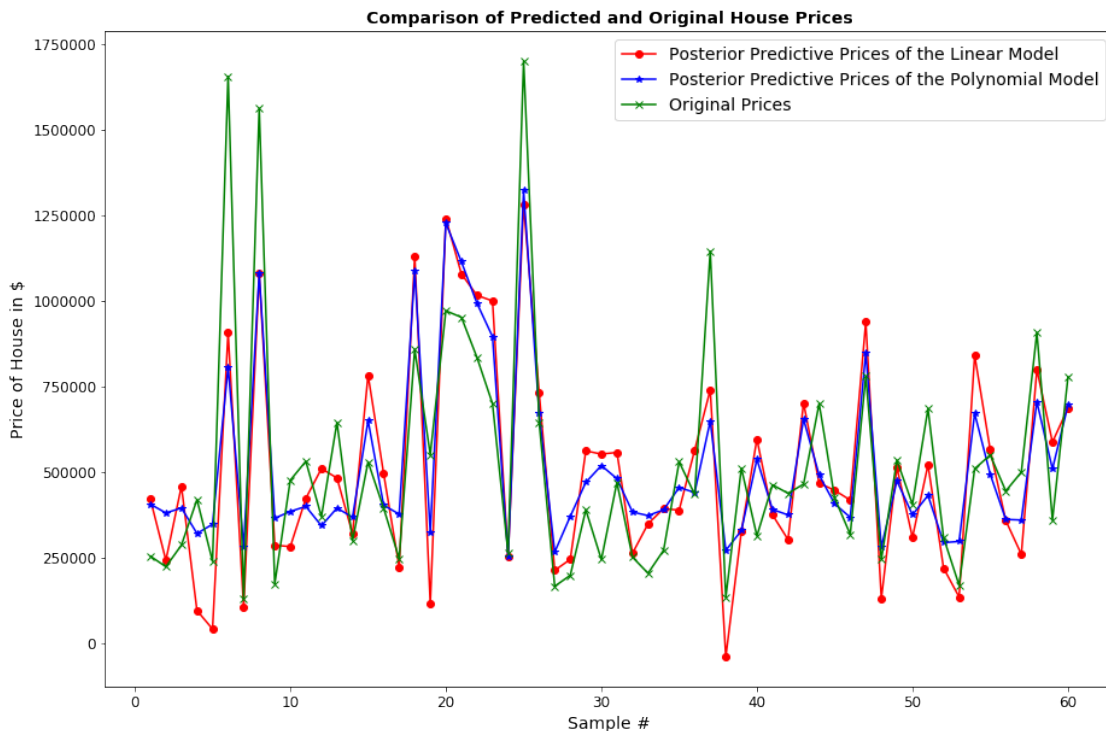
predictionSamples = int(len(YTest_Scaled) * 0.3)
x_ax = np.arange(1, predictionSamples + 1, 1)

# Plot the predictions from both models vs. original values
```

```

fig = plt.figure(figsize = (15, 10))
plt.xlabel('Sample #', fontsize = 14)
plt.ylabel('Price of House in $', fontsize = 14)
plt.plot(x_ax, y_linear_unscaled[:predictionSamples],
         label = "Posterior Predictive Prices of the Linear Model",
         marker = 'o', c = 'red')
plt.plot(x_ax, y_poly_unscaled[:predictionSamples],
         label = "Posterior Predictive Prices of the Polynomial Model",
         marker = '*', c = 'blue')
plt.plot(x_ax, YTest_Unscaled[:predictionSamples],
         label = "Original Prices", marker = 'x', c = 'green')
plt.legend(fontsize = 14)
plt.tick_params(labelsize = 12)
plt.title('Comparison of Predicted and Original House Prices',
         fontsize = 14, fontweight = 'bold')
plt.savefig(f"figures/priceCompare.jpg")

```



From the figure above, it can be observed that **polynomial** model made *price* predictions much closer to the original than the **linear** model. Although both models were able to adapt quite well to the sensitivity of the dataset, there were certain samples where both the models would seem to go wayward (between samples 30-35 and 50-55) and loose precision.

Next, we calculated the Root Mean Squared (RMS) error for both the models. The RMS of the pairwise differences of the *training* and *test* sets can serve as a measure how far on average the error is from 0. Thus, the RMS of the differences is a meaningful measure of the error.

```
In [11]: # Root Mean Squared (RMS) error for both models
rms_linear = 0
rms_poly = 0

for i in range(0, np.size(YTest_Scaled)):
    rms_linear = rms_linear + np.sqrt(np.abs(YTest_Scaled[i] - y_ax_linear[i]))
    rms_poly = rms_poly + np.sqrt(np.abs(YTest_Scaled[i] - y_ax_poly[i]))

rms_linear = rms_linear / predictionSamples
rms_poly = rms_poly / predictionSamples

print("RMS error of the Linear model: ", rms_linear)
print("RMS error of the Polynomial model: ", rms_poly)

RMS error of the Linear model:  2.000991431626771
RMS error of the Polynomial model:  1.957120234764429
```

As signified by the visual illustration, the RMS error also agrees with the fact that the **polynomial** model provides relatively accurate house *price predictions* as compared to the **linear** model.

Lastly, we proceed to the final means of model evaluation and comparison, i.e., the PSIS-LOO values. The **log-likelihood** calculation is necessary for obtaining the desired values, hence the code provided below utilizes these values from the Stan models to extract the **sum of the expected log predictive densities**, the **estimated an effective number of parameters** and lastly the **Pareto k-estimates** for the models [5]. The extraction process is provided as follows:

```
In [12]: # PSIS-LOO values for Linear model
log_lik_linear = samples_linear["loglik_pred"]
loo_linear, loos_linear, ks_linear = psis.psisloo(log_lik_linear)

print("Linear Model: ")
print("PSIS-LOO value:", loo_linear)

lppd_linear = np.sum(logsumexp(log_lik_linear, axis = 0,
                               b = 1. / log_lik_linear.shape[0]))
p_loo_linear = lppd_linear - loo_linear

print("Estimated effective number of parameters in the model: ",
      p_loo_linear)

ksn1 = (ks_linear >= 0.7).sum()
print("Number of k values greater than 0.7: ", ksn1)
```

```
Linear Model:
PSIS-LOO value: -190.9512375663712
Estimated effective number of parameters in the model:  1.8736800818095674
Number of k values greater than 0.7:  0
```

```

In [13]: # PSIS-L00 values for Polynomial model
log_lik_poly = samples_poly["loglik_pred"]
loo_poly, loos_poly, ks_poly = psis.psisloo(log_lik_poly)

print("Polynomial Model: ")
print("PSIS-L00 value:", loo_poly)

lppd_poly = np.sum(logsumexp(log_lik_poly,axis = 0, b = 1. / log_lik_poly.shape[0]))
p_loo_poly = lppd_poly - loo_poly

print("Estimated effective number of parameters in the model: ", p_loo_poly)

ksn2 = (ks_poly >= 0.7).sum()
print("Number of k values greater than 0.7 : ", ksn2)

```

```

Polynomial Model:
PSIS-L00 value: -151.84053916514995
Estimated effective number of parameters in the model:  1.7832300749294347
Number of k values greater than 0.7 :  0

```

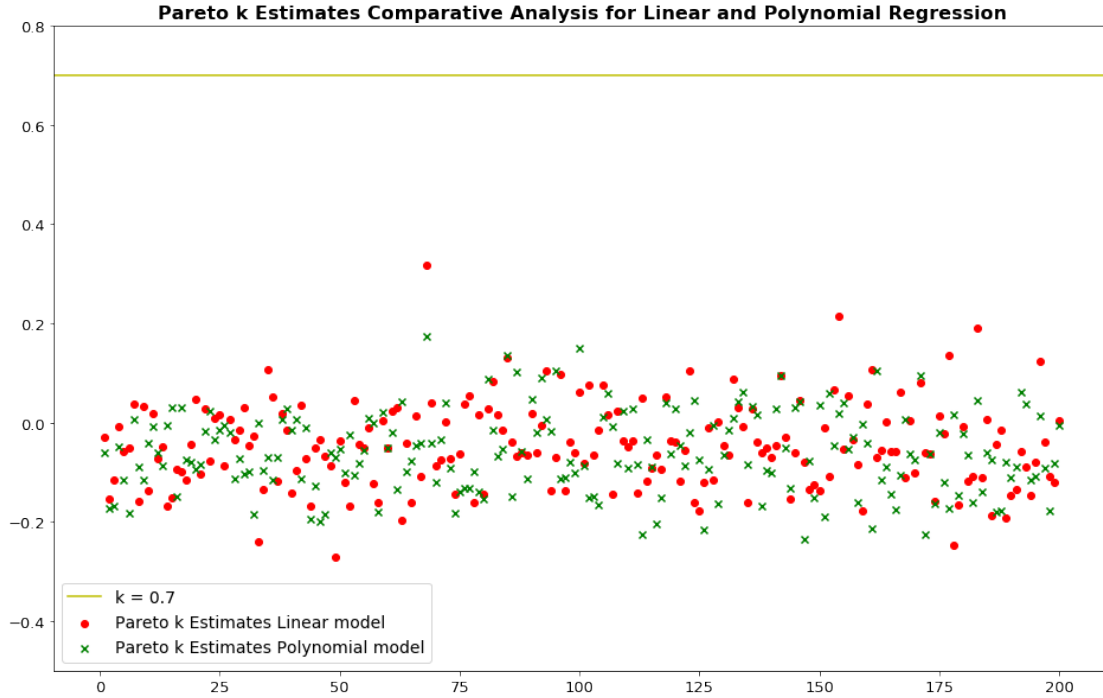
```

In [14]: '''
Scatter plots for Pareto k-values for
Linear and Polynomial Regresion models
'''

x_linear = np.arange(1, np.size(ks_linear) + 1, 1)
x_poly = np.arange(1, np.size(ks_poly) + 1, 1)

fig = plt.figure(figsize = (16, 10))
plt.axhline(y = 0.7, color = 'y', linestyle = '-',
            label = 'k = 0.7')
plt.scatter(x_linear, ks_linear,
            label = "Pareto k Estimates Linear model",
            marker = 'o', c = 'red')
plt.scatter(x_poly, ks_poly,
            label = "Pareto k Estimates Polynomial model",
            marker = 'x', c = 'green')
plt.tick_params(labelsize = 13)
plt.ylim((-0.5, 0.8))
plt.title("Pareto k Estimates Comparative Analysis for Linear and Polynomial Regressi
          fontsize = 16, fontweight = 'bold')
plt.legend(fontsize = 14)
plt.savefig(f"figures/paretoKEstimates.jpg")

```



Results obtained from the PSIS-LOO CV (leave-one-out cross-validation) highlight two things:

1. The larger LOO value of the polynomial model as compared to that of the linear model signifies that the **polynomial** model is relatively more reliable as compared to the **linear** one.
2. Furthermore, the Pareto k estimates for both the models are < 0.7 which signifies that the estimates for both the models are reliable.

After our careful analysis and model assessment through the visualization of the house **prices**, the **RMS errors** and the **PSIS-LOO CV values**, we have identified the polynomial regression model as the better-suited model for our problem.

1.4 Conclusion

As a reflection of our entire progress, we were able to study, dissect and analyze the original dataset of house **prices** and get a better idea of how well they were distributed with the means of some statistical indicators and a logarithmic plot.

Next, we were able to identify the right balance of the *training* and *test* from the original data to create Bayesian predictive models, i.e., the **Linear Regression Model** and the **Polynomial Regression Model** respectively.

Subsequently, we justified the choice of these models along with the choice for the *prior* based upon the nature of the data, i.e., the **features** and **labels**.

Lastly, we performed the model assessment of the chosen models through visualization of the *predicted prices* and the analysis of the RMS and PSIS-LOO CV values and indicators. Side-by-side comparison and plot depictions helped us in identifying the **polynomial** model better suited for predicting the house prices as compared to the **linear** model.

Due to limited time, we rushed through the model selection process although the prior selection was appropriate. We could have explored other possible models for this problem and carried out an extensive assessment to find out the best choice. Also, some additional plots for analyzing the individual correlations between the features and the price would also have been advantageous.

Some future improvements for this work could be analyzing more choices of models for Stan in addition to extensive fiddling with the iterations and number of chains for each model. In addition to this, Area Under the Curve (AUC) and Receiver Operating Curve (ROC) could be employed in future analysis to provide more insight into the model assessment phase.

1.5 References

- [1] House Sales in King County, USA - <https://www.kaggle.com/harlfoxem/housesalesprediction/version/1>
- [2] Bayesian Linear Regression in Python: Using Machine Learning to Predict Student Grades Part 1 - <https://towardsdatascience.com/bayesian-linear-regression-in-python-using-machine-learning-to-predict-student-grades-part-1-7d0ad817fca5>
- [3] A Primer on Bayesian Multilevel Modeling using PyStan - <http://mc-stan.org/users/documentation/case-studies/radon.html>
- [4] Prior Choice Recommendations - <https://github.com/stan-dev/stan/wiki/Prior-Choice-Recommendations>
- [5] Pareto smoothed importance sampling (PSIS) - <http://mc-stan.org/loo/reference/psis.html>

1.6 Appendices

1.6.1 Linear Regression Model Results

```
In [15]: # Display results of Linear Stan Model
         print(fit_linear)
```

```
Inference for Stan model: anon_model_23307f82cce8b5150747ec40c2ddb2a2.
4 chains, each with iter=2000; warmup=1000; thin=1;
post-warmup draws per chain=1000, total post-warmup draws=4000.
```

	mean	se_mean	sd	2.5%	25%	50%	75%	97.5%	n_eff	Rhat
intercept	4.6e-4	2.2e-4	0.02	-0.03	-0.01	4.6e-4	0.01	0.03	4942	1.0
theta[1]	0.62	5.8e-4	0.04	0.54	0.59	0.62	0.64	0.69	4029	1.0
theta[2]	0.26	3.8e-4	0.03	0.21	0.24	0.26	0.27	0.31	4735	1.0
theta[3]	-0.07	5.3e-4	0.03	-0.14	-0.09	-0.07	-0.04	4.3e-4	4259	1.0
theta[4]	-0.05	3.4e-4	0.02	-0.1	-0.06	-0.05	-0.03	1.0e-3	5481	1.0
sigma	0.68	1.7e-4	0.01	0.66	0.68	0.68	0.69	0.71	4516	1.0
y_mean[1]	1.64	8.8e-4	0.06	1.52	1.6	1.64	1.68	1.76	5037	1.0
y_mean[2]	-0.46	3.0e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	5041	1.0
y_mean[3]	-0.2	3.8e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	4799	1.0
y_mean[4]	0.74	5.6e-4	0.04	0.66	0.71	0.73	0.76	0.81	4658	1.0
y_mean[5]	1.21	6.6e-4	0.04	1.13	1.18	1.21	1.24	1.3	4549	1.0
y_mean[6]	0.65	4.9e-4	0.03	0.59	0.63	0.65	0.68	0.72	4636	1.0
y_mean[7]	-0.32	4.1e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	4954	1.0
y_mean[8]	0.18	3.2e-4	0.02	0.14	0.17	0.18	0.2	0.22	4625	1.0

y_mean[9]	0.14	4.7e-4	0.03	0.09	0.12	0.15	0.17	0.2	4223	1.0
y_mean[10]	-7.5e-3	4.9e-4	0.04	-0.08	-0.03	-7.4e-3	0.02	0.06	5495	1.0
y_mean[11]	1.55	7.4e-4	0.05	1.45	1.51	1.55	1.58	1.65	4763	1.0
y_mean[12]	-0.89	4.2e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	4739	1.0
y_mean[13]	0.93	6.1e-4	0.04	0.85	0.9	0.93	0.96	1.01	4605	1.0
y_mean[14]	0.04	3.1e-4	0.02	-1.5e-3	0.02	0.04	0.05	0.08	4652	1.0
y_mean[15]	-0.44	4.3e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.38	4933	1.0
y_mean[16]	-1.11	4.4e-4	0.03	-1.17	-1.13	-1.11	-1.09	-1.05	4835	1.0
y_mean[17]	-0.54	3.3e-4	0.02	-0.59	-0.56	-0.55	-0.53	-0.5	4863	1.0
y_mean[18]	-1.06	4.2e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.01	4639	1.0
y_mean[19]	-0.93	4.2e-4	0.03	-0.99	-0.95	-0.93	-0.91	-0.87	5007	1.0
y_mean[20]	-0.1	5.5e-4	0.04	-0.18	-0.13	-0.1	-0.08	-0.03	4273	1.0
y_mean[21]	-0.45	2.9e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.42	4792	1.0
y_mean[22]	-0.44	9.9e-4	0.07	-0.58	-0.49	-0.44	-0.39	-0.31	5095	1.0
y_mean[23]	-0.41	3.7e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.36	5485	1.0
y_mean[24]	0.39	4.9e-4	0.03	0.32	0.37	0.39	0.41	0.45	4258	1.0
y_mean[25]	0.39	4.6e-4	0.03	0.33	0.37	0.39	0.41	0.45	4603	1.0
y_mean[26]	-0.56	3.1e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4875	1.0
y_mean[27]	-0.76	4.6e-4	0.03	-0.82	-0.78	-0.76	-0.74	-0.69	5053	1.0
y_mean[28]	-0.36	5.0e-4	0.03	-0.42	-0.38	-0.36	-0.33	-0.29	4727	1.0
y_mean[29]	0.48	6.3e-4	0.04	0.39	0.45	0.48	0.51	0.56	4877	1.0
y_mean[30]	0.09	5.0e-4	0.04	0.02	0.07	0.09	0.12	0.16	5047	1.0
y_mean[31]	0.62	4.8e-4	0.03	0.56	0.6	0.62	0.64	0.69	4638	1.0
y_mean[32]	-0.98	4.2e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	4834	1.0
y_mean[33]	-0.21	7.7e-4	0.05	-0.3	-0.24	-0.21	-0.17	-0.11	4232	1.0
y_mean[34]	-0.23	3.5e-4	0.02	-0.28	-0.25	-0.23	-0.21	-0.18	4746	1.0
y_mean[35]	1.48	8.4e-4	0.06	1.37	1.44	1.48	1.52	1.59	4568	1.0
y_mean[36]	0.54	6.1e-4	0.04	0.47	0.52	0.54	0.57	0.62	4596	1.0
y_mean[37]	-0.12	4.3e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.06	5784	1.0
y_mean[38]	-0.03	3.4e-4	0.02	-0.08	-0.05	-0.03	-0.01	0.02	4799	1.0
y_mean[39]	0.72	5.0e-4	0.03	0.65	0.69	0.72	0.74	0.78	4580	1.0
y_mean[40]	-0.39	5.4e-4	0.04	-0.46	-0.41	-0.39	-0.36	-0.32	4730	1.0
y_mean[41]	0.79	8.2e-4	0.06	0.67	0.75	0.79	0.83	0.9	4904	1.0
y_mean[42]	-0.17	3.4e-4	0.02	-0.22	-0.19	-0.17	-0.16	-0.13	4834	1.0
y_mean[43]	-0.21	3.1e-4	0.02	-0.25	-0.22	-0.21	-0.19	-0.17	4627	1.0
y_mean[44]	-1.7e-3	3.2e-4	0.02	-0.04	-0.02	-2.1e-3	0.01	0.04	4705	1.0
y_mean[45]	-0.66	4.4e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	4960	1.0
y_mean[46]	-0.62	3.2e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4783	1.0
y_mean[47]	0.7	4.5e-4	0.03	0.65	0.68	0.7	0.72	0.76	4556	1.0
y_mean[48]	-0.23	3.6e-4	0.03	-0.28	-0.25	-0.23	-0.21	-0.18	5540	1.0
y_mean[49]	0.92	6.3e-4	0.04	0.84	0.89	0.92	0.95	1.0	4580	1.0
y_mean[50]	-0.37	5.2e-4	0.04	-0.44	-0.4	-0.37	-0.35	-0.3	4831	1.0
y_mean[51]	6.1e-3	3.2e-4	0.02	-0.04	-8.4e-3	5.9e-3	0.02	0.05	4651	1.0
y_mean[52]	0.39	5.8e-4	0.04	0.31	0.36	0.39	0.42	0.47	4786	1.0
y_mean[53]	0.63	5.2e-4	0.03	0.56	0.61	0.63	0.65	0.7	4296	1.0
y_mean[54]	-0.35	5.1e-4	0.04	-0.42	-0.38	-0.35	-0.33	-0.28	4798	1.0
y_mean[55]	-0.94	6.0e-4	0.04	-1.03	-0.97	-0.94	-0.91	-0.85	5300	1.0
y_mean[56]	0.85	4.8e-4	0.03	0.78	0.82	0.85	0.87	0.91	4553	1.0

y_mean[57]	-1.13	5.3e-4	0.04	-1.2	-1.16	-1.13	-1.11	-1.06	4683	1.0
y_mean[58]	-0.24	3.7e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.19	4629	1.0
y_mean[59]	1.61	7.8e-4	0.05	1.51	1.57	1.61	1.64	1.71	4464	1.0
y_mean[60]	-1.25	6.4e-4	0.04	-1.33	-1.28	-1.25	-1.22	-1.16	4591	1.0
y_mean[61]	0.03	4.8e-4	0.03	-0.03	0.01	0.03	0.06	0.1	4493	1.0
y_mean[62]	0.55	5.3e-4	0.04	0.48	0.53	0.55	0.58	0.62	4658	1.0
y_mean[63]	-0.15	3.4e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	4831	1.0
y_mean[64]	-0.83	4.3e-4	0.03	-0.89	-0.85	-0.83	-0.81	-0.77	4954	1.0
y_mean[65]	-0.14	8.8e-4	0.06	-0.26	-0.18	-0.14	-0.1	-0.02	4719	1.0
y_mean[66]	0.89	6.8e-4	0.05	0.8	0.86	0.89	0.92	0.98	4644	1.0
y_mean[67]	0.25	5.1e-4	0.03	0.18	0.23	0.25	0.28	0.32	4695	1.0
y_mean[68]	4.1	1.6e-3	0.11	3.88	4.03	4.1	4.18	4.31	4429	1.0
y_mean[69]	-0.7	4.2e-4	0.03	-0.76	-0.72	-0.7	-0.68	-0.64	4960	1.0
y_mean[70]	-0.48	3.3e-4	0.02	-0.53	-0.5	-0.48	-0.46	-0.43	5236	1.0
y_mean[71]	0.27	5.8e-4	0.04	0.19	0.24	0.27	0.29	0.35	4694	1.0
y_mean[72]	0.07	3.1e-4	0.02	0.03	0.06	0.07	0.09	0.11	4605	1.0
y_mean[73]	0.01	6.0e-4	0.04	-0.06	-0.01	0.01	0.04	0.09	3902	1.0
y_mean[74]	0.54	5.1e-4	0.04	0.47	0.52	0.54	0.57	0.61	4807	1.0
y_mean[75]	0.05	4.7e-4	0.03	-0.02	0.02	0.05	0.07	0.11	5021	1.0
y_mean[76]	0.37	4.8e-4	0.03	0.3	0.35	0.37	0.39	0.43	4326	1.0
y_mean[77]	0.49	4.4e-4	0.03	0.43	0.47	0.49	0.51	0.55	4783	1.0
y_mean[78]	-0.41	3.5e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.37	4687	1.0
y_mean[79]	-0.66	3.8e-4	0.03	-0.71	-0.67	-0.66	-0.64	-0.6	4868	1.0
y_mean[80]	0.19	2.6e-4	0.02	0.15	0.18	0.19	0.2	0.23	5084	1.0
y_mean[81]	0.13	5.4e-4	0.04	0.06	0.1	0.13	0.15	0.2	4916	1.0
y_mean[82]	0.19	6.2e-4	0.04	0.11	0.16	0.19	0.22	0.27	4769	1.0
y_mean[83]	0.24	7.2e-4	0.05	0.15	0.21	0.25	0.28	0.33	4364	1.0
y_mean[84]	0.98	5.3e-4	0.04	0.91	0.96	0.98	1.01	1.06	4681	1.0
y_mean[85]	-1.17	1.2e-3	0.08	-1.33	-1.23	-1.17	-1.11	-1.01	4791	1.0
y_mean[86]	-0.88	4.5e-4	0.03	-0.95	-0.91	-0.88	-0.86	-0.82	5058	1.0
y_mean[87]	0.17	3.4e-4	0.02	0.13	0.16	0.17	0.19	0.22	4589	1.0
y_mean[88]	0.17	3.1e-4	0.02	0.13	0.16	0.17	0.19	0.22	4656	1.0
y_mean[89]	0.15	3.6e-4	0.03	0.1	0.14	0.15	0.17	0.2	4874	1.0
y_mean[90]	1.57	7.2e-4	0.05	1.47	1.54	1.57	1.6	1.66	4506	1.0
y_mean[91]	0.3	4.8e-4	0.03	0.23	0.28	0.3	0.32	0.36	4699	1.0
y_mean[92]	-0.14	3.8e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	4833	1.0
y_mean[93]	0.35	7.4e-4	0.05	0.26	0.32	0.35	0.39	0.45	4774	1.0
y_mean[94]	0.34	6.7e-4	0.05	0.25	0.31	0.34	0.38	0.44	4937	1.0
y_mean[95]	0.09	3.1e-4	0.02	0.05	0.07	0.09	0.1	0.13	4638	1.0
y_mean[96]	0.35	5.5e-4	0.04	0.28	0.32	0.35	0.37	0.42	4321	1.0
y_mean[97]	0.15	3.8e-4	0.03	0.1	0.13	0.15	0.17	0.2	4739	1.0
y_mean[98]	0.06	6.3e-4	0.05	-0.03	0.02	0.06	0.09	0.15	5321	1.0
y_mean[99]	-0.87	4.2e-4	0.03	-0.92	-0.89	-0.87	-0.85	-0.81	4936	1.0
y_mean[100]	0.43	1.2e-3	0.08	0.27	0.37	0.43	0.49	0.6	4800	1.0
y_mean[101]	0.52	3.9e-4	0.03	0.46	0.5	0.52	0.54	0.57	5134	1.0
y_mean[102]	0.83	9.6e-4	0.06	0.7	0.79	0.83	0.87	0.95	4458	1.0
y_mean[103]	-0.12	3.9e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.07	4990	1.0
y_mean[104]	-0.59	3.2e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	4728	1.0

y_mean[105]	-0.02	4.9e-4	0.03	-0.08	-0.04	-0.02	4.3e-4	0.04	3977	1.0
y_mean[106]	0.31	3.7e-4	0.03	0.26	0.29	0.31	0.33	0.36	4621	1.0
y_mean[107]	0.15	3.1e-4	0.02	0.11	0.14	0.15	0.17	0.2	4659	1.0
y_mean[108]	0.7	5.7e-4	0.04	0.62	0.67	0.7	0.73	0.78	5340	1.0
y_mean[109]	-0.75	3.9e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4922	1.0
y_mean[110]	-0.52	3.2e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.48	5100	1.0
y_mean[111]	-0.56	4.1e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.5	4823	1.0
y_mean[112]	-0.45	5.6e-4	0.04	-0.53	-0.48	-0.46	-0.43	-0.38	4986	1.0
y_mean[113]	-0.95	4.2e-4	0.03	-1.0	-0.97	-0.94	-0.92	-0.89	4977	1.0
y_mean[114]	0.27	3.4e-4	0.02	0.22	0.25	0.27	0.28	0.31	4936	1.0
y_mean[115]	-0.22	3.6e-4	0.02	-0.26	-0.23	-0.22	-0.2	-0.17	4390	1.0
y_mean[116]	0.19	4.0e-4	0.03	0.14	0.18	0.19	0.21	0.25	4636	1.0
y_mean[117]	-0.97	4.4e-4	0.03	-1.03	-0.99	-0.97	-0.95	-0.91	4566	1.0
y_mean[118]	-0.24	4.9e-4	0.03	-0.31	-0.26	-0.24	-0.22	-0.18	4200	1.0
y_mean[119]	-1.14	5.0e-4	0.03	-1.2	-1.16	-1.14	-1.11	-1.07	4646	1.0
y_mean[120]	-0.43	3.0e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	4724	1.0
y_mean[121]	0.2	4.1e-4	0.03	0.15	0.18	0.2	0.22	0.25	4550	1.0
y_mean[122]	-0.69	3.7e-4	0.03	-0.74	-0.71	-0.69	-0.68	-0.64	4939	1.0
y_mean[123]	-0.11	5.4e-4	0.04	-0.18	-0.13	-0.11	-0.09	-0.04	4235	1.0
y_mean[124]	-0.1	4.2e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	5332	1.0
y_mean[125]	-0.11	3.5e-4	0.03	-0.16	-0.13	-0.11	-0.1	-0.07	5435	1.0
y_mean[126]	-0.04	3.1e-4	0.02	-0.08	-0.05	-0.04	-0.02	3.8e-3	4680	1.0
y_mean[127]	0.59	8.8e-4	0.06	0.47	0.55	0.59	0.63	0.7	4263	1.0
y_mean[128]	0.88	5.2e-4	0.04	0.81	0.85	0.88	0.9	0.95	4958	1.0
y_mean[129]	-1.03	4.3e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.97	4866	1.0
y_mean[130]	0.12	4.9e-4	0.03	0.05	0.09	0.12	0.14	0.19	4986	1.0
y_mean[131]	-0.26	3.5e-4	0.03	-0.31	-0.28	-0.26	-0.25	-0.21	5499	1.0
y_mean[132]	0.86	5.5e-4	0.04	0.79	0.84	0.86	0.89	0.94	4521	1.0
y_mean[133]	1.79	9.4e-4	0.07	1.65	1.74	1.79	1.83	1.91	5005	1.0
y_mean[134]	-0.18	3.9e-4	0.03	-0.23	-0.2	-0.18	-0.16	-0.13	4681	1.0
y_mean[135]	-1.18	5.1e-4	0.03	-1.25	-1.2	-1.18	-1.16	-1.11	4680	1.0
y_mean[136]	0.85	1.0e-3	0.07	0.71	0.8	0.85	0.9	0.99	5046	1.0
y_mean[137]	-1.24	7.1e-4	0.05	-1.33	-1.27	-1.24	-1.21	-1.15	4531	1.0
y_mean[138]	-0.56	3.5e-4	0.02	-0.6	-0.57	-0.56	-0.54	-0.51	5007	1.0
y_mean[139]	0.72	6.7e-4	0.05	0.63	0.69	0.72	0.75	0.81	4727	1.0
y_mean[140]	-0.11	4.4e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.06	4667	1.0
y_mean[141]	0.2	5.1e-4	0.04	0.13	0.18	0.2	0.23	0.27	4781	1.0
y_mean[142]	2.17	8.3e-4	0.05	2.07	2.14	2.17	2.21	2.28	4383	1.0
y_mean[143]	-0.62	3.2e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4844	1.0
y_mean[144]	-0.31	5.5e-4	0.04	-0.39	-0.34	-0.31	-0.29	-0.24	4786	1.0
y_mean[145]	-0.8	5.1e-4	0.03	-0.86	-0.82	-0.8	-0.77	-0.73	4550	1.0
y_mean[146]	-0.91	6.9e-4	0.05	-1.0	-0.94	-0.91	-0.88	-0.82	4683	1.0
y_mean[147]	-0.1	4.9e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	4367	1.0
y_mean[148]	-0.65	3.6e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	5001	1.0
y_mean[149]	-0.39	3.1e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	5172	1.0
y_mean[150]	-0.66	3.3e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	4836	1.0
y_mean[151]	0.22	4.9e-4	0.03	0.15	0.2	0.22	0.24	0.29	4996	1.0
y_mean[152]	-0.64	3.3e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4841	1.0

y_mean[153]	0.21	4.6e-4	0.03	0.15	0.19	0.21	0.23	0.27	4701	1.0
y_mean[154]	1.38	1.1e-3	0.08	1.23	1.33	1.38	1.43	1.53	5584	1.0
y_mean[155]	0.22	4.4e-4	0.03	0.16	0.2	0.22	0.24	0.28	4816	1.0
y_mean[156]	1.04	7.4e-4	0.05	0.95	1.01	1.04	1.08	1.14	4561	1.0
y_mean[157]	0.03	4.5e-4	0.03	-0.02	0.01	0.03	0.05	0.09	4012	1.0
y_mean[158]	-0.87	4.2e-4	0.03	-0.92	-0.89	-0.87	-0.85	-0.81	4758	1.0
y_mean[159]	0.2	3.3e-4	0.02	0.15	0.18	0.2	0.21	0.24	4797	1.0
y_mean[160]	0.22	5.9e-4	0.04	0.14	0.19	0.22	0.24	0.29	4491	1.0
y_mean[161]	0.58	5.4e-4	0.03	0.52	0.56	0.58	0.61	0.65	4134	1.0
y_mean[162]	0.09	3.1e-4	0.02	0.05	0.07	0.09	0.1	0.13	4634	1.0
y_mean[163]	-0.34	3.5e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	5514	1.0
y_mean[164]	-0.23	3.3e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.19	5048	1.0
y_mean[165]	-0.56	3.3e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	5024	1.0
y_mean[166]	-0.5	2.9e-4	0.02	-0.54	-0.52	-0.5	-0.49	-0.46	4824	1.0
y_mean[167]	-0.19	3.5e-4	0.02	-0.24	-0.21	-0.19	-0.18	-0.15	4497	1.0
y_mean[168]	-0.72	3.5e-4	0.02	-0.77	-0.74	-0.72	-0.7	-0.67	4843	1.0
y_mean[169]	0.66	7.4e-4	0.05	0.57	0.63	0.66	0.69	0.75	4131	1.0
y_mean[170]	-0.37	2.7e-4	0.02	-0.41	-0.38	-0.37	-0.36	-0.33	4792	1.0
y_mean[171]	-0.32	5.7e-4	0.04	-0.39	-0.34	-0.31	-0.29	-0.24	4787	1.0
y_mean[172]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	5018	1.0
y_mean[173]	-0.31	3.3e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	5421	1.0
y_mean[174]	-0.04	3.4e-4	0.02	-0.08	-0.06	-0.04	-0.02	6.8e-3	4780	1.0
y_mean[175]	-0.38	3.0e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	4843	1.0
y_mean[176]	-0.22	3.7e-4	0.03	-0.27	-0.24	-0.22	-0.2	-0.17	4842	1.0
y_mean[177]	0.61	7.1e-4	0.05	0.52	0.58	0.61	0.64	0.7	4103	1.0
y_mean[178]	-0.33	4.7e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	4750	1.0
y_mean[179]	-0.11	3.8e-4	0.03	-0.16	-0.13	-0.11	-0.09	-0.06	5132	1.0
y_mean[180]	1.43	9.9e-4	0.07	1.29	1.38	1.43	1.48	1.57	5030	1.0
y_mean[181]	-0.16	4.5e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	4610	1.0
y_mean[182]	0.42	4.6e-4	0.03	0.36	0.4	0.42	0.44	0.48	4613	1.0
y_mean[183]	1.41	9.3e-4	0.06	1.29	1.37	1.41	1.45	1.52	4096	1.0
y_mean[184]	-0.25	3.5e-4	0.02	-0.29	-0.26	-0.25	-0.23	-0.2	4620	1.0
y_mean[185]	-0.33	3.1e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	4789	1.0
y_mean[186]	0.61	4.4e-4	0.03	0.55	0.59	0.61	0.63	0.67	4517	1.0
y_mean[187]	-0.5	3.0e-4	0.02	-0.54	-0.51	-0.5	-0.49	-0.46	4976	1.0
y_mean[188]	-0.61	3.8e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.56	5120	1.0
y_mean[189]	0.48	5.0e-4	0.04	0.4	0.45	0.48	0.5	0.55	5559	1.0
y_mean[190]	-0.06	3.2e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.02	4631	1.0
y_mean[191]	-0.82	5.1e-4	0.04	-0.89	-0.84	-0.82	-0.79	-0.74	5150	1.0
y_mean[192]	-0.83	4.1e-4	0.03	-0.88	-0.85	-0.83	-0.81	-0.77	4965	1.0
y_mean[193]	1.5	6.3e-4	0.04	1.42	1.48	1.5	1.53	1.59	4937	1.0
y_mean[194]	-0.4	2.9e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	5238	1.0
y_mean[195]	0.49	4.5e-4	0.03	0.43	0.47	0.49	0.51	0.55	4205	1.0
y_mean[196]	1.15	9.3e-4	0.06	1.04	1.12	1.15	1.19	1.27	4085	1.0
y_mean[197]	-0.51	4.3e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.46	4789	1.0
y_mean[198]	-0.83	5.0e-4	0.03	-0.89	-0.85	-0.83	-0.8	-0.76	4402	1.0
y_mean[199]	-0.68	4.4e-4	0.03	-0.74	-0.7	-0.68	-0.65	-0.61	4977	1.0
y_mean[200]	-3.2e-3	4.9e-4	0.03	-0.06	-0.02	-2.7e-3	0.02	0.06	3886	1.0

y_mean[201]	0.33	4.7e-4	0.03	0.26	0.31	0.33	0.35	0.39	4804	1.0
y_mean[202]	0.41	5.3e-4	0.04	0.34	0.38	0.41	0.43	0.48	4629	1.0
y_mean[203]	0.25	3.4e-4	0.02	0.21	0.24	0.25	0.27	0.3	4684	1.0
y_mean[204]	0.87	5.9e-4	0.04	0.79	0.84	0.87	0.89	0.94	4753	1.0
y_mean[205]	-0.13	3.8e-4	0.03	-0.19	-0.15	-0.13	-0.12	-0.08	4991	1.0
y_mean[206]	-4.6e-3	3.4e-4	0.02	-0.05	-0.02	-4.4e-3	0.01	0.04	4838	1.0
y_mean[207]	1.01	7.7e-4	0.06	0.89	0.97	1.01	1.04	1.12	5601	1.0
y_mean[208]	-0.29	4.0e-4	0.03	-0.35	-0.31	-0.29	-0.28	-0.24	4592	1.0
y_mean[209]	-0.96	4.1e-4	0.03	-1.01	-0.98	-0.96	-0.94	-0.9	4783	1.0
y_mean[210]	0.64	4.6e-4	0.03	0.58	0.62	0.64	0.66	0.7	4576	1.0
y_mean[211]	0.88	1.0e-3	0.08	0.73	0.83	0.88	0.94	1.03	5676	1.0
y_mean[212]	-0.74	3.6e-4	0.03	-0.79	-0.76	-0.75	-0.73	-0.69	4847	1.0
y_mean[213]	-0.33	5.0e-4	0.03	-0.4	-0.35	-0.33	-0.3	-0.26	4818	1.0
y_mean[214]	0.65	4.4e-4	0.03	0.59	0.63	0.65	0.67	0.71	4530	1.0
y_mean[215]	-0.67	4.9e-4	0.04	-0.74	-0.7	-0.68	-0.65	-0.6	5037	1.0
y_mean[216]	0.05	4.2e-4	0.03	-1.2e-3	0.03	0.05	0.07	0.11	4646	1.0
y_mean[217]	-0.64	3.6e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.59	5025	1.0
y_mean[218]	-0.34	2.6e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.31	4817	1.0
y_mean[219]	0.39	4.3e-4	0.03	0.34	0.37	0.39	0.41	0.45	4623	1.0
y_mean[220]	-0.09	5.0e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.03	4015	1.0
y_mean[221]	-0.24	3.3e-4	0.02	-0.29	-0.26	-0.24	-0.23	-0.2	5150	1.0
y_mean[222]	0.54	5.5e-4	0.04	0.47	0.51	0.53	0.56	0.61	4611	1.0
y_mean[223]	1.58	1.5e-3	0.11	1.38	1.51	1.58	1.66	1.8	5226	1.0
y_mean[224]	0.23	3.7e-4	0.03	0.18	0.21	0.23	0.25	0.28	5147	1.0
y_mean[225]	0.42	4.5e-4	0.03	0.36	0.4	0.42	0.44	0.48	4622	1.0
y_mean[226]	-0.27	3.9e-4	0.03	-0.32	-0.29	-0.27	-0.25	-0.21	5031	1.0
y_mean[227]	1.29	8.4e-4	0.06	1.18	1.25	1.29	1.33	1.4	4516	1.0
y_mean[228]	-0.66	3.3e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	4836	1.0
y_mean[229]	0.2	6.8e-4	0.04	0.11	0.17	0.2	0.23	0.29	4284	1.0
y_mean[230]	0.64	6.6e-4	0.04	0.55	0.61	0.64	0.67	0.72	4536	1.0
y_mean[231]	0.35	4.2e-4	0.03	0.3	0.33	0.35	0.37	0.4	4321	1.0
y_mean[232]	0.73	7.7e-4	0.06	0.62	0.69	0.73	0.77	0.84	5131	1.0
y_mean[233]	-0.73	4.1e-4	0.03	-0.79	-0.75	-0.73	-0.71	-0.68	4887	1.0
y_mean[234]	0.14	3.1e-4	0.02	0.1	0.12	0.14	0.15	0.18	4663	1.0
y_mean[235]	1.34	6.1e-4	0.04	1.25	1.31	1.34	1.36	1.42	4745	1.0
y_mean[236]	0.07	6.7e-4	0.04	-0.02	0.04	0.07	0.1	0.15	4095	1.0
y_mean[237]	0.08	3.9e-4	0.03	0.03	0.06	0.08	0.1	0.13	4735	1.0
y_mean[238]	0.85	7.8e-4	0.06	0.74	0.82	0.86	0.89	0.97	5195	1.0
y_mean[239]	1.23	6.0e-4	0.04	1.15	1.2	1.23	1.26	1.31	5139	1.0
y_mean[240]	-9.5e-3	4.2e-4	0.03	-0.07	-0.03	-9.6e-3	0.01	0.05	4911	1.0
y_mean[241]	0.29	6.3e-4	0.04	0.21	0.26	0.29	0.31	0.36	3964	1.0
y_mean[242]	-0.67	4.4e-4	0.03	-0.73	-0.7	-0.67	-0.65	-0.61	4966	1.0
y_mean[243]	-0.47	3.0e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	4994	1.0
y_mean[244]	0.47	4.5e-4	0.03	0.41	0.45	0.47	0.49	0.53	4676	1.0
y_mean[245]	-0.06	3.2e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	5156	1.0
y_mean[246]	-0.24	4.5e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.19	4148	1.0
y_mean[247]	1.05	6.2e-4	0.04	0.97	1.02	1.05	1.08	1.13	4570	1.0
y_mean[248]	0.25	5.9e-4	0.04	0.16	0.22	0.25	0.28	0.33	5476	1.0

y_mean[249]	-0.55	3.0e-4	0.02	-0.59	-0.56	-0.55	-0.53	-0.51	4745	1.0
y_mean[250]	0.24	6.5e-4	0.05	0.15	0.21	0.24	0.27	0.33	4738	1.0
y_mean[251]	0.44	5.9e-4	0.04	0.36	0.41	0.44	0.46	0.51	4177	1.0
y_mean[252]	0.93	6.7e-4	0.04	0.85	0.91	0.94	0.96	1.02	4453	1.0
y_mean[253]	-0.39	5.2e-4	0.04	-0.46	-0.42	-0.39	-0.37	-0.32	4731	1.0
y_mean[254]	0.18	6.9e-4	0.05	0.09	0.15	0.18	0.21	0.27	4675	1.0
y_mean[255]	0.8	4.4e-4	0.03	0.74	0.78	0.8	0.82	0.86	5093	1.0
y_mean[256]	-0.41	2.9e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.37	4875	1.0
y_mean[257]	0.31	3.8e-4	0.03	0.26	0.29	0.31	0.32	0.36	4604	1.0
y_mean[258]	0.11	3.2e-4	0.02	0.07	0.1	0.11	0.13	0.16	4607	1.0
y_mean[259]	-0.7	3.4e-4	0.02	-0.75	-0.72	-0.7	-0.68	-0.65	4818	1.0
y_mean[260]	-0.54	6.0e-4	0.04	-0.62	-0.56	-0.54	-0.51	-0.45	4744	1.0
y_mean[261]	1.92	9.3e-4	0.06	1.8	1.88	1.92	1.96	2.04	4410	1.0
y_mean[262]	-0.25	3.4e-4	0.02	-0.3	-0.27	-0.25	-0.24	-0.21	4715	1.0
y_mean[263]	-0.51	3.0e-4	0.02	-0.55	-0.52	-0.51	-0.5	-0.47	4984	1.0
y_mean[264]	0.36	3.9e-4	0.03	0.31	0.34	0.36	0.38	0.41	4653	1.0
y_mean[265]	0.15	5.7e-4	0.04	0.07	0.12	0.15	0.18	0.23	5796	1.0
y_mean[266]	0.18	4.0e-4	0.03	0.12	0.16	0.18	0.2	0.23	4656	1.0
y_mean[267]	-0.51	3.3e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	5149	1.0
y_mean[268]	-0.54	3.1e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.5	4926	1.0
y_mean[269]	-0.51	3.0e-4	0.02	-0.55	-0.52	-0.51	-0.49	-0.47	4690	1.0
y_mean[270]	-1.01	4.2e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.96	4688	1.0
y_mean[271]	-0.22	5.7e-4	0.04	-0.3	-0.25	-0.22	-0.2	-0.14	4894	1.0
y_mean[272]	-0.17	3.7e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	5442	1.0
y_mean[273]	-0.57	5.6e-4	0.04	-0.64	-0.59	-0.57	-0.54	-0.5	4227	1.0
y_mean[274]	-0.54	3.4e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4906	1.0
y_mean[275]	-1.17	6.7e-4	0.05	-1.26	-1.21	-1.17	-1.14	-1.08	4597	1.0
y_mean[276]	1.46	7.3e-4	0.05	1.37	1.43	1.46	1.49	1.55	4181	1.0
y_mean[277]	-0.08	4.4e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	4699	1.0
y_mean[278]	0.6	6.2e-4	0.04	0.52	0.58	0.6	0.63	0.68	4132	1.0
y_mean[279]	0.58	4.5e-4	0.03	0.52	0.56	0.58	0.6	0.64	4595	1.0
y_mean[280]	-0.17	3.9e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	4747	1.0
y_mean[281]	0.87	5.4e-4	0.04	0.8	0.84	0.87	0.89	0.94	4513	1.0
y_mean[282]	0.46	8.0e-4	0.05	0.36	0.43	0.46	0.49	0.56	3952	1.0
y_mean[283]	0.45	5.9e-4	0.04	0.37	0.42	0.45	0.48	0.54	5048	1.0
y_mean[284]	-0.28	3.6e-4	0.02	-0.32	-0.29	-0.28	-0.26	-0.23	4616	1.0
y_mean[285]	-0.34	3.9e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	4515	1.0
y_mean[286]	-0.88	4.7e-4	0.03	-0.94	-0.9	-0.88	-0.86	-0.82	4548	1.0
y_mean[287]	0.12	4.6e-4	0.03	0.06	0.1	0.12	0.15	0.19	4748	1.0
y_mean[288]	0.05	4.8e-4	0.04	-0.02	0.03	0.05	0.08	0.12	5551	1.0
y_mean[289]	0.86	6.7e-4	0.05	0.77	0.83	0.86	0.89	0.96	4851	1.0
y_mean[290]	0.12	5.2e-4	0.04	0.05	0.09	0.12	0.14	0.19	5029	1.0
y_mean[291]	0.25	4.4e-4	0.03	0.19	0.23	0.25	0.27	0.31	4637	1.0
y_mean[292]	-0.22	5.3e-4	0.03	-0.28	-0.24	-0.22	-0.19	-0.15	4185	1.0
y_mean[293]	-0.68	3.5e-4	0.02	-0.73	-0.7	-0.68	-0.66	-0.63	4810	1.0
y_mean[294]	0.15	6.2e-4	0.04	0.07	0.12	0.15	0.18	0.23	4110	1.0
y_mean[295]	0.22	2.9e-4	0.02	0.18	0.21	0.22	0.24	0.26	5116	1.0
y_mean[296]	0.04	8.5e-4	0.06	-0.07	3.7e-3	0.04	0.08	0.15	4290	1.0

y_mean[297]	0.28	5.4e-4	0.04	0.21	0.26	0.29	0.31	0.36	4825	1.0
y_mean[298]	-0.33	3.1e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.28	5009	1.0
y_mean[299]	-0.33	5.0e-4	0.03	-0.4	-0.36	-0.33	-0.31	-0.27	4420	1.0
y_mean[300]	-0.7	3.5e-4	0.02	-0.75	-0.72	-0.7	-0.69	-0.66	4833	1.0
y_mean[301]	0.55	6.0e-4	0.04	0.47	0.52	0.54	0.57	0.62	4596	1.0
y_mean[302]	-0.25	4.8e-4	0.04	-0.32	-0.27	-0.25	-0.22	-0.17	5656	1.0
y_mean[303]	0.01	5.8e-4	0.04	-0.06	-0.01	0.01	0.03	0.08	3956	1.0
y_mean[304]	-0.48	5.4e-4	0.04	-0.55	-0.5	-0.48	-0.45	-0.4	5252	1.0
y_mean[305]	-0.82	4.3e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.76	5011	1.0
y_mean[306]	-0.3	3.8e-4	0.03	-0.36	-0.32	-0.3	-0.29	-0.25	4859	1.0
y_mean[307]	1.01	7.1e-4	0.05	0.92	0.98	1.01	1.05	1.11	4564	1.0
y_mean[308]	-0.21	3.7e-4	0.02	-0.26	-0.23	-0.21	-0.19	-0.16	4491	1.0
y_mean[309]	2.34	1.2e-3	0.08	2.18	2.29	2.34	2.4	2.51	4959	1.0
y_mean[310]	0.59	4.6e-4	0.03	0.53	0.57	0.59	0.61	0.66	4623	1.0
y_mean[311]	-0.96	5.4e-4	0.04	-1.04	-0.99	-0.96	-0.94	-0.89	4656	1.0
y_mean[312]	0.52	4.7e-4	0.03	0.45	0.5	0.52	0.54	0.58	4714	1.0
y_mean[313]	-1.11	4.6e-4	0.03	-1.17	-1.13	-1.11	-1.09	-1.05	4593	1.0
y_mean[314]	-0.88	4.3e-4	0.03	-0.93	-0.9	-0.88	-0.86	-0.82	4899	1.0
y_mean[315]	-0.5	3.0e-4	0.02	-0.54	-0.51	-0.5	-0.49	-0.46	4976	1.0
y_mean[316]	0.75	6.0e-4	0.04	0.66	0.72	0.75	0.78	0.83	5352	1.0
y_mean[317]	0.43	5.7e-4	0.04	0.35	0.4	0.43	0.45	0.5	4576	1.0
y_mean[318]	0.23	3.3e-4	0.02	0.19	0.22	0.23	0.25	0.28	4788	1.0
y_mean[319]	0.94	9.4e-4	0.06	0.82	0.9	0.94	0.98	1.06	4579	1.0
y_mean[320]	-0.16	5.2e-4	0.03	-0.23	-0.18	-0.16	-0.14	-0.09	4251	1.0
y_mean[321]	0.38	5.6e-4	0.04	0.3	0.35	0.38	0.4	0.46	5083	1.0
y_mean[322]	-0.74	4.6e-4	0.03	-0.81	-0.76	-0.74	-0.72	-0.67	5335	1.0
y_mean[323]	0.56	8.3e-4	0.05	0.45	0.52	0.56	0.59	0.66	4073	1.0
y_mean[324]	-0.16	3.7e-4	0.03	-0.22	-0.18	-0.16	-0.15	-0.11	5499	1.0
y_mean[325]	-0.1	5.4e-4	0.03	-0.16	-0.12	-0.1	-0.07	-0.03	3974	1.0
y_mean[326]	-0.63	3.2e-4	0.02	-0.68	-0.65	-0.63	-0.62	-0.59	4771	1.0
y_mean[327]	9.8e-3	3.6e-4	0.02	-0.04	-6.8e-3	9.4e-3	0.03	0.06	4769	1.0
y_mean[328]	-0.51	3.0e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4824	1.0
y_mean[329]	-0.18	5.2e-4	0.03	-0.24	-0.2	-0.18	-0.15	-0.11	4040	1.0
y_mean[330]	0.04	3.9e-4	0.03	-0.01	0.02	0.04	0.06	0.09	4945	1.0
y_mean[331]	0.45	8.5e-4	0.05	0.34	0.41	0.45	0.48	0.55	3972	1.0
y_mean[332]	1.73	1.1e-3	0.07	1.59	1.68	1.73	1.78	1.87	4135	1.0
y_mean[333]	-1.01	4.2e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.96	4821	1.0
y_mean[334]	0.56	6.4e-4	0.04	0.48	0.53	0.56	0.59	0.64	4257	1.0
y_mean[335]	-0.09	5.4e-4	0.03	-0.16	-0.11	-0.09	-0.07	-0.02	4193	1.0
y_mean[336]	0.31	6.6e-4	0.05	0.21	0.27	0.31	0.34	0.4	5753	1.0
y_mean[337]	0.85	4.3e-4	0.03	0.79	0.83	0.85	0.87	0.9	4971	1.0
y_mean[338]	-0.14	4.5e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.08	4295	1.0
y_mean[339]	0.02	3.3e-4	0.02	-0.03	1.5e-3	0.02	0.03	0.06	4707	1.0
y_mean[340]	0.39	4.4e-4	0.03	0.33	0.37	0.39	0.41	0.45	4608	1.0
y_mean[341]	1.37	9.9e-4	0.07	1.23	1.33	1.37	1.42	1.51	4801	1.0
y_mean[342]	-0.12	5.7e-4	0.04	-0.19	-0.14	-0.12	-0.09	-0.05	4035	1.0
y_mean[343]	-0.04	4.2e-4	0.03	-0.09	-0.05	-0.04	-0.02	0.02	4025	1.0
y_mean[344]	1.12	7.0e-4	0.05	1.03	1.09	1.12	1.15	1.22	4508	1.0

y_mean[345]	0.23	3.5e-4	0.02	0.19	0.22	0.23	0.25	0.28	4974	1.0
y_mean[346]	0.07	3.0e-4	0.02	0.03	0.06	0.07	0.08	0.11	4642	1.0
y_mean[347]	-0.06	3.6e-4	0.03	-0.11	-0.08	-0.06	-0.04	-9.6e-3	4905	1.0
y_mean[348]	-0.7	3.7e-4	0.03	-0.75	-0.72	-0.7	-0.68	-0.65	4874	1.0
y_mean[349]	-0.43	2.9e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	4749	1.0
y_mean[350]	-0.79	3.8e-4	0.03	-0.84	-0.8	-0.79	-0.77	-0.73	4880	1.0
y_mean[351]	-0.11	5.9e-4	0.04	-0.18	-0.14	-0.11	-0.08	-0.04	4246	1.0
y_mean[352]	0.32	3.8e-4	0.03	0.27	0.3	0.32	0.34	0.37	5178	1.0
y_mean[353]	0.37	4.5e-4	0.03	0.3	0.35	0.37	0.39	0.43	5494	1.0
y_mean[354]	-0.92	4.2e-4	0.03	-0.98	-0.94	-0.92	-0.9	-0.86	4962	1.0
y_mean[355]	-0.65	4.5e-4	0.03	-0.72	-0.68	-0.65	-0.63	-0.59	4960	1.0
y_mean[356]	-0.64	3.3e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4864	1.0
y_mean[357]	0.61	5.6e-4	0.04	0.53	0.58	0.61	0.64	0.68	4720	1.0
y_mean[358]	0.62	5.6e-4	0.04	0.54	0.59	0.62	0.65	0.7	5336	1.0
y_mean[359]	-0.61	3.3e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4931	1.0
y_mean[360]	-0.2	4.2e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	4206	1.0
y_mean[361]	-0.68	3.4e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4850	1.0
y_mean[362]	-0.96	4.3e-4	0.03	-1.01	-0.98	-0.96	-0.94	-0.9	4598	1.0
y_mean[363]	-0.27	4.4e-4	0.03	-0.32	-0.29	-0.27	-0.25	-0.21	4605	1.0
y_mean[364]	0.1	2.5e-4	0.02	0.07	0.09	0.1	0.12	0.14	5146	1.0
y_mean[365]	-1.13	4.3e-4	0.03	-1.19	-1.15	-1.13	-1.11	-1.07	4662	1.0
y_mean[366]	0.12	3.8e-4	0.03	0.07	0.11	0.12	0.14	0.18	5029	1.0
y_mean[367]	1.4	9.5e-4	0.07	1.26	1.35	1.4	1.44	1.53	4979	1.0
y_mean[368]	-0.45	3.0e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	5064	1.0
y_mean[369]	-0.78	5.4e-4	0.04	-0.85	-0.8	-0.78	-0.75	-0.71	4324	1.0
y_mean[370]	-0.35	3.0e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.31	4836	1.0
y_mean[371]	-0.42	2.9e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	4878	1.0
y_mean[372]	0.24	3.5e-4	0.02	0.19	0.22	0.24	0.25	0.28	4518	1.0
y_mean[373]	-0.44	3.0e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	5084	1.0
y_mean[374]	-0.62	3.5e-4	0.02	-0.67	-0.63	-0.62	-0.6	-0.57	5025	1.0
y_mean[375]	0.24	3.8e-4	0.03	0.19	0.22	0.24	0.26	0.3	5175	1.0
y_mean[376]	0.77	6.0e-4	0.04	0.68	0.74	0.77	0.79	0.85	5006	1.0
y_mean[377]	-0.69	4.7e-4	0.03	-0.75	-0.71	-0.68	-0.66	-0.62	5360	1.0
y_mean[378]	0.14	4.9e-4	0.03	0.08	0.12	0.14	0.16	0.2	4067	1.0
y_mean[379]	-0.23	4.1e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.17	4784	1.0
y_mean[380]	0.04	3.1e-4	0.02	-4.4e-4	0.03	0.04	0.06	0.08	4652	1.0
y_mean[381]	-0.26	4.2e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	5750	1.0
y_mean[382]	-0.33	4.9e-4	0.03	-0.4	-0.36	-0.33	-0.31	-0.27	4802	1.0
y_mean[383]	-0.84	4.4e-4	0.03	-0.9	-0.86	-0.84	-0.82	-0.78	4631	1.0
y_mean[384]	-0.59	3.4e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	5021	1.0
y_mean[385]	0.36	4.9e-4	0.03	0.29	0.33	0.36	0.38	0.43	4911	1.0
y_mean[386]	-0.09	3.3e-4	0.02	-0.14	-0.11	-0.09	-0.08	-0.05	4797	1.0
y_mean[387]	0.67	7.6e-4	0.05	0.57	0.64	0.67	0.71	0.77	4364	1.0
y_mean[388]	0.09	3.2e-4	0.02	0.04	0.07	0.09	0.1	0.13	4726	1.0
y_mean[389]	0.77	7.9e-4	0.05	0.67	0.74	0.77	0.81	0.88	4511	1.0
y_mean[390]	-0.32	2.7e-4	0.02	-0.36	-0.33	-0.32	-0.31	-0.28	4700	1.0
y_mean[391]	0.07	6.3e-4	0.04	-0.02	0.04	0.07	0.1	0.15	4860	1.0
y_mean[392]	-0.2	4.4e-4	0.03	-0.26	-0.22	-0.2	-0.17	-0.13	5361	1.0

y_mean[393]	0.09	3.1e-4	0.02	0.05	0.08	0.09	0.1	0.13	4627	1.0
y_mean[394]	0.17	4.3e-4	0.03	0.11	0.15	0.17	0.19	0.23	4700	1.0
y_mean[395]	-0.48	3.0e-4	0.02	-0.52	-0.5	-0.48	-0.47	-0.44	4706	1.0
y_mean[396]	-0.69	4.1e-4	0.03	-0.74	-0.71	-0.69	-0.67	-0.63	4901	1.0
y_mean[397]	-0.67	3.4e-4	0.02	-0.72	-0.69	-0.67	-0.66	-0.63	4847	1.0
y_mean[398]	-0.11	3.7e-4	0.02	-0.15	-0.12	-0.11	-0.09	-0.06	4257	1.0
y_mean[399]	-0.61	3.1e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.57	4769	1.0
y_mean[400]	-0.02	6.1e-4	0.04	-0.1	-0.05	-0.03	8.3e-4	0.05	4025	1.0
y_mean[401]	0.27	3.4e-4	0.02	0.22	0.25	0.27	0.28	0.31	4694	1.0
y_mean[402]	-0.98	4.4e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	5078	1.0
y_mean[403]	0.67	5.1e-4	0.03	0.6	0.64	0.67	0.69	0.74	4657	1.0
y_mean[404]	-0.03	4.5e-4	0.03	-0.1	-0.06	-0.03	-9.2e-3	0.03	5684	1.0
y_mean[405]	-0.62	3.8e-4	0.03	-0.67	-0.63	-0.62	-0.6	-0.56	5101	1.0
y_mean[406]	0.43	4.1e-4	0.03	0.38	0.41	0.43	0.45	0.49	5007	1.0
y_mean[407]	0.53	6.1e-4	0.04	0.45	0.5	0.53	0.56	0.62	5120	1.0
y_mean[408]	0.48	6.6e-4	0.04	0.39	0.45	0.48	0.51	0.57	4588	1.0
y_mean[409]	0.75	4.9e-4	0.03	0.69	0.73	0.75	0.77	0.82	4532	1.0
y_mean[410]	-0.31	3.2e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	4755	1.0
y_mean[411]	-0.84	4.6e-4	0.03	-0.91	-0.87	-0.85	-0.82	-0.78	4801	1.0
y_mean[412]	-0.83	4.4e-4	0.03	-0.9	-0.86	-0.83	-0.81	-0.77	5174	1.0
y_mean[413]	-0.01	3.1e-4	0.02	-0.06	-0.03	-0.01	2.8e-3	0.03	5395	1.0
y_mean[414]	-0.75	3.7e-4	0.03	-0.8	-0.76	-0.75	-0.73	-0.69	4855	1.0
y_mean[415]	-0.55	4.9e-4	0.03	-0.61	-0.57	-0.55	-0.52	-0.48	5034	1.0
y_mean[416]	0.39	7.2e-4	0.05	0.29	0.36	0.39	0.43	0.49	4828	1.0
y_mean[417]	-0.51	3.4e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	5185	1.0
y_mean[418]	-0.21	4.8e-4	0.03	-0.27	-0.23	-0.21	-0.18	-0.14	5221	1.0
y_mean[419]	0.74	5.8e-4	0.04	0.66	0.72	0.74	0.77	0.82	4682	1.0
y_mean[420]	-0.56	6.1e-4	0.04	-0.65	-0.59	-0.56	-0.53	-0.48	5028	1.0
y_mean[421]	-0.2	3.6e-4	0.02	-0.25	-0.22	-0.2	-0.19	-0.15	4847	1.0
y_mean[422]	-1.11	4.3e-4	0.03	-1.17	-1.13	-1.11	-1.09	-1.06	4774	1.0
y_mean[423]	0.83	6.6e-4	0.05	0.74	0.8	0.83	0.86	0.92	4824	1.0
y_mean[424]	-1.54	6.8e-4	0.05	-1.63	-1.58	-1.54	-1.51	-1.45	4531	1.0
y_mean[425]	-0.61	3.3e-4	0.02	-0.66	-0.63	-0.61	-0.6	-0.57	4949	1.0
y_mean[426]	-0.25	3.0e-4	0.02	-0.29	-0.26	-0.25	-0.23	-0.2	4500	1.0
y_mean[427]	-0.08	3.3e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.04	4678	1.0
y_mean[428]	-0.76	4.1e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.7	4869	1.0
y_mean[429]	-0.5	2.9e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.46	4818	1.0
y_mean[430]	0.06	4.5e-4	0.03	3.0e-3	0.04	0.06	0.08	0.11	4049	1.0
y_mean[431]	-0.24	3.0e-4	0.02	-0.28	-0.25	-0.24	-0.23	-0.2	4672	1.0
y_mean[432]	-0.65	4.0e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.59	5062	1.0
y_mean[433]	0.17	5.8e-4	0.04	0.1	0.15	0.17	0.2	0.25	4858	1.0
y_mean[434]	-0.92	4.1e-4	0.03	-0.98	-0.94	-0.92	-0.9	-0.87	4869	1.0
y_mean[435]	0.12	3.7e-4	0.03	0.07	0.1	0.12	0.14	0.17	4985	1.0
y_mean[436]	-0.11	8.1e-4	0.06	-0.23	-0.15	-0.11	-0.08	-2.5e-3	4750	1.0
y_mean[437]	-0.02	5.7e-4	0.04	-0.09	-0.04	-0.02	9.2e-3	0.06	4163	1.0
y_mean[438]	-1.04	4.5e-4	0.03	-1.1	-1.06	-1.04	-1.02	-0.98	4567	1.0
y_mean[439]	-0.33	4.9e-4	0.03	-0.39	-0.35	-0.33	-0.3	-0.26	4749	1.0
y_mean[440]	-0.6	3.1e-4	0.02	-0.64	-0.62	-0.6	-0.59	-0.56	4817	1.0

y_mean[441]	-0.74	4.5e-4	0.03	-0.8	-0.76	-0.74	-0.72	-0.67	5250	1.0
y_mean[442]	-0.55	3.6e-4	0.02	-0.6	-0.57	-0.56	-0.54	-0.51	4739	1.0
y_mean[443]	0.79	6.4e-4	0.04	0.71	0.76	0.79	0.82	0.87	4162	1.0
y_mean[444]	0.69	5.6e-4	0.04	0.61	0.66	0.69	0.71	0.76	4956	1.0
y_mean[445]	0.61	4.4e-4	0.03	0.56	0.59	0.61	0.63	0.67	4543	1.0
y_mean[446]	-0.16	3.6e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	4811	1.0
y_mean[447]	0.15	3.5e-4	0.02	0.11	0.14	0.15	0.17	0.2	4955	1.0
y_mean[448]	-0.48	3.0e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	5003	1.0
y_mean[449]	-0.5	3.0e-4	0.02	-0.54	-0.51	-0.5	-0.49	-0.46	4976	1.0
y_mean[450]	-0.26	3.9e-4	0.03	-0.31	-0.28	-0.26	-0.24	-0.21	4846	1.0
y_mean[451]	-0.75	3.7e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4851	1.0
y_mean[452]	0.22	3.8e-4	0.03	0.17	0.2	0.22	0.24	0.27	4518	1.0
y_mean[453]	-0.37	5.0e-4	0.04	-0.45	-0.4	-0.38	-0.35	-0.3	5330	1.0
y_mean[454]	-0.46	3.0e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.42	4770	1.0
y_mean[455]	-0.53	3.1e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.49	4687	1.0
y_mean[456]	-0.57	3.3e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	5015	1.0
y_mean[457]	-0.13	6.7e-4	0.05	-0.23	-0.16	-0.13	-0.1	-0.04	4991	1.0
y_mean[458]	-0.48	3.0e-4	0.02	-0.52	-0.5	-0.48	-0.47	-0.44	4962	1.0
y_mean[459]	0.11	4.5e-4	0.03	0.05	0.09	0.11	0.13	0.16	4152	1.0
y_mean[460]	-0.09	4.8e-4	0.04	-0.16	-0.11	-0.09	-0.07	-0.02	5549	1.0
y_mean[461]	-0.68	4.6e-4	0.03	-0.74	-0.7	-0.68	-0.65	-0.61	5101	1.0
y_mean[462]	0.95	9.8e-4	0.07	0.82	0.91	0.95	1.0	1.08	4886	1.0
y_mean[463]	-0.92	4.1e-4	0.03	-0.97	-0.93	-0.92	-0.9	-0.86	4633	1.0
y_mean[464]	-0.65	3.3e-4	0.02	-0.69	-0.67	-0.65	-0.64	-0.61	4784	1.0
y_mean[465]	-0.03	5.9e-4	0.04	-0.1	-0.06	-0.03	-4.8e-3	0.04	4047	1.0
y_mean[466]	-0.85	4.3e-4	0.03	-0.9	-0.87	-0.85	-0.83	-0.79	4734	1.0
y_mean[467]	1.08	7.4e-4	0.05	0.98	1.05	1.08	1.12	1.18	4970	1.0
y_mean[468]	0.26	4.9e-4	0.03	0.19	0.24	0.26	0.28	0.32	4482	1.0
y_mean[469]	-0.07	3.4e-4	0.02	-0.12	-0.09	-0.07	-0.05	-0.02	4830	1.0
y_mean[470]	0.56	4.0e-4	0.03	0.51	0.54	0.56	0.58	0.61	4611	1.0
y_mean[471]	-0.19	3.5e-4	0.02	-0.24	-0.21	-0.19	-0.18	-0.14	4894	1.0
y_mean[472]	0.05	3.0e-4	0.02	0.01	0.04	0.05	0.07	0.1	4636	1.0
y_mean[473]	0.16	3.6e-4	0.02	0.11	0.14	0.16	0.18	0.21	4697	1.0
y_mean[474]	0.04	3.0e-4	0.02	-4.1e-4	0.03	0.04	0.05	0.08	4633	1.0
y_mean[475]	-0.82	4.0e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.77	4892	1.0
y_mean[476]	-0.1	5.3e-4	0.03	-0.17	-0.13	-0.1	-0.08	-0.04	4145	1.0
y_mean[477]	0.33	4.1e-4	0.03	0.27	0.31	0.33	0.34	0.38	4592	1.0
y_mean[478]	-0.5	3.0e-4	0.02	-0.54	-0.52	-0.5	-0.49	-0.46	4690	1.0
y_mean[479]	1.0	6.1e-4	0.04	0.91	0.97	1.0	1.02	1.07	4429	1.0
y_mean[480]	-0.2	4.9e-4	0.03	-0.27	-0.22	-0.2	-0.18	-0.13	4875	1.0
y_mean[481]	-1.11	4.3e-4	0.03	-1.16	-1.12	-1.11	-1.09	-1.05	4688	1.0
y_mean[482]	0.4	5.7e-4	0.04	0.33	0.38	0.4	0.43	0.48	4525	1.0
y_mean[483]	0.61	6.6e-4	0.04	0.52	0.58	0.61	0.64	0.7	4497	1.0
y_mean[484]	0.02	4.7e-4	0.03	-0.04	-2.5e-3	0.02	0.04	0.08	4945	1.0
y_mean[485]	0.63	5.1e-4	0.03	0.56	0.61	0.63	0.65	0.7	4704	1.0
y_mean[486]	-0.05	4.9e-4	0.03	-0.12	-0.08	-0.05	-0.03	0.01	5117	1.0
y_mean[487]	0.36	6.2e-4	0.04	0.27	0.33	0.36	0.38	0.44	4757	1.0
y_mean[488]	-0.74	3.6e-4	0.03	-0.79	-0.76	-0.74	-0.72	-0.69	4845	1.0

y_mean[489]	0.8	7.2e-4	0.05	0.71	0.77	0.8	0.84	0.91	5017	1.0
y_mean[490]	-1.14	4.5e-4	0.03	-1.2	-1.16	-1.14	-1.12	-1.08	4822	1.0
y_mean[491]	0.08	4.0e-4	0.03	0.02	0.06	0.08	0.1	0.14	5030	1.0
y_mean[492]	0.94	5.3e-4	0.04	0.87	0.92	0.94	0.97	1.01	4444	1.0
y_mean[493]	-0.57	5.6e-4	0.04	-0.65	-0.6	-0.57	-0.55	-0.49	4929	1.0
y_mean[494]	1.09	6.9e-4	0.05	0.99	1.05	1.09	1.12	1.18	5248	1.0
y_mean[495]	0.25	5.2e-4	0.04	0.18	0.22	0.25	0.27	0.32	4598	1.0
y_mean[496]	0.27	4.1e-4	0.03	0.21	0.25	0.27	0.29	0.32	4426	1.0
y_mean[497]	0.9	5.5e-4	0.04	0.82	0.87	0.89	0.92	0.97	4554	1.0
y_mean[498]	-0.09	3.6e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.04	5361	1.0
y_mean[499]	-0.12	4.3e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.07	4668	1.0
y_mean[500]	-0.59	5.0e-4	0.04	-0.66	-0.62	-0.59	-0.57	-0.52	4876	1.0
y_mean[501]	0.94	7.8e-4	0.05	0.84	0.9	0.94	0.98	1.05	4869	1.0
y_mean[502]	0.21	3.7e-4	0.02	0.16	0.2	0.21	0.23	0.26	4586	1.0
y_mean[503]	-0.61	3.2e-4	0.02	-0.66	-0.63	-0.61	-0.6	-0.57	4777	1.0
y_mean[504]	-0.88	4.4e-4	0.03	-0.94	-0.9	-0.88	-0.86	-0.82	4604	1.0
y_mean[505]	-0.38	3.0e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	4821	1.0
y_mean[506]	0.05	3.0e-4	0.02	6.6e-3	0.03	0.05	0.06	0.09	4618	1.0
y_mean[507]	-0.64	3.3e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4774	1.0
y_mean[508]	-0.53	5.3e-4	0.04	-0.6	-0.55	-0.53	-0.5	-0.45	4970	1.0
y_mean[509]	0.26	5.5e-4	0.04	0.18	0.24	0.26	0.29	0.34	5430	1.0
y_mean[510]	-0.71	3.9e-4	0.03	-0.76	-0.72	-0.71	-0.69	-0.65	4933	1.0
y_mean[511]	0.18	3.3e-4	0.02	0.14	0.17	0.18	0.2	0.23	4809	1.0
y_mean[512]	-0.26	4.3e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	4772	1.0
y_mean[513]	0.84	4.8e-4	0.03	0.78	0.82	0.84	0.86	0.91	4557	1.0
y_mean[514]	-0.75	3.8e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4882	1.0
y_mean[515]	0.6	4.8e-4	0.03	0.53	0.58	0.6	0.62	0.66	4676	1.0
y_mean[516]	-0.8	4.1e-4	0.03	-0.86	-0.82	-0.8	-0.78	-0.74	4975	1.0
y_mean[517]	0.74	7.5e-4	0.06	0.63	0.7	0.74	0.77	0.85	5459	1.0
y_mean[518]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.63	-0.61	-0.58	4775	1.0
y_mean[519]	0.68	6.5e-4	0.05	0.59	0.65	0.68	0.72	0.78	5692	1.0
y_mean[520]	0.09	4.0e-4	0.03	0.04	0.07	0.09	0.11	0.14	4807	1.0
y_mean[521]	-0.11	5.5e-4	0.04	-0.18	-0.13	-0.11	-0.09	-0.04	4771	1.0
y_mean[522]	1.37	1.1e-3	0.07	1.23	1.33	1.38	1.42	1.52	4448	1.0
y_mean[523]	-0.62	4.8e-4	0.04	-0.69	-0.65	-0.62	-0.6	-0.55	5284	1.0
y_mean[524]	-0.37	4.0e-4	0.03	-0.42	-0.38	-0.37	-0.35	-0.31	4626	1.0
y_mean[525]	-0.29	3.4e-4	0.02	-0.34	-0.3	-0.29	-0.27	-0.24	5442	1.0
y_mean[526]	0.31	4.9e-4	0.03	0.24	0.28	0.31	0.33	0.37	4655	1.0
y_mean[527]	-0.19	7.9e-4	0.05	-0.3	-0.23	-0.19	-0.15	-0.08	4767	1.0
y_mean[528]	0.78	6.4e-4	0.05	0.69	0.75	0.78	0.81	0.87	5115	1.0
y_mean[529]	-0.48	3.0e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4958	1.0
y_mean[530]	0.16	4.4e-4	0.03	0.1	0.14	0.16	0.18	0.22	4550	1.0
y_mean[531]	-0.74	3.7e-4	0.03	-0.79	-0.76	-0.74	-0.73	-0.69	4868	1.0
y_mean[532]	-0.63	3.3e-4	0.02	-0.67	-0.65	-0.63	-0.62	-0.59	4766	1.0
y_mean[533]	-0.38	4.1e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.32	4831	1.0
y_mean[534]	0.9	8.4e-4	0.06	0.79	0.86	0.9	0.94	1.01	4749	1.0
y_mean[535]	-0.52	3.0e-4	0.02	-0.56	-0.54	-0.52	-0.51	-0.48	4939	1.0
y_mean[536]	-5.1e-3	4.2e-4	0.03	-0.06	-0.03	-5.0e-3	0.01	0.05	4914	1.0

y_mean[537]	0.44	7.7e-4	0.05	0.34	0.4	0.44	0.47	0.54	4851	1.0
y_mean[538]	0.37	4.2e-4	0.03	0.31	0.35	0.37	0.39	0.42	4273	1.0
y_mean[539]	-0.31	2.8e-4	0.02	-0.35	-0.32	-0.31	-0.3	-0.27	5277	1.0
y_mean[540]	-1.09	6.9e-4	0.05	-1.18	-1.12	-1.09	-1.05	-0.99	4666	1.0
y_mean[541]	-0.45	2.9e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	4742	1.0
y_mean[542]	-0.31	4.7e-4	0.03	-0.37	-0.33	-0.31	-0.28	-0.24	5414	1.0
y_mean[543]	-0.17	3.6e-4	0.02	-0.22	-0.19	-0.17	-0.15	-0.12	4812	1.0
y_mean[544]	-0.75	3.6e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4848	1.0
y_mean[545]	-1.15	4.7e-4	0.03	-1.21	-1.17	-1.15	-1.13	-1.09	4617	1.0
y_mean[546]	-0.56	3.2e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	5013	1.0
y_mean[547]	0.48	4.4e-4	0.03	0.42	0.46	0.48	0.5	0.54	4633	1.0
y_mean[548]	0.18	3.3e-4	0.02	0.14	0.17	0.18	0.2	0.23	4603	1.0
y_mean[549]	-0.76	3.7e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.7	4858	1.0
y_mean[550]	0.1	3.1e-4	0.02	0.05	0.08	0.1	0.11	0.14	4675	1.0
y_mean[551]	1.4	7.8e-4	0.05	1.29	1.36	1.4	1.44	1.51	4767	1.0
y_mean[552]	-0.18	4.3e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	4838	1.0
y_mean[553]	0.63	7.3e-4	0.05	0.53	0.6	0.63	0.67	0.74	5089	1.0
y_mean[554]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4765	1.0
y_mean[555]	-0.09	4.8e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.03	3937	1.0
y_mean[556]	0.2	5.6e-4	0.04	0.13	0.18	0.2	0.23	0.27	4166	1.0
y_mean[557]	-1.08	4.9e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.01	4606	1.0
y_mean[558]	1.53	7.0e-4	0.05	1.44	1.5	1.53	1.56	1.62	4616	1.0
y_mean[559]	1.48	7.7e-4	0.05	1.37	1.44	1.48	1.51	1.58	4835	1.0
y_mean[560]	-0.17	3.8e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	4874	1.0
y_mean[561]	-1.0	7.2e-4	0.05	-1.09	-1.03	-1.0	-0.96	-0.9	4709	1.0
y_mean[562]	-0.68	3.4e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4823	1.0
y_mean[563]	-9.1e-3	4.4e-4	0.03	-0.06	-0.03	-8.8e-3	9.7e-3	0.05	4034	1.0
y_mean[564]	-0.01	4.9e-4	0.03	-0.08	-0.04	-0.01	9.9e-3	0.05	4705	1.0
y_mean[565]	1.01	6.7e-4	0.05	0.92	0.98	1.01	1.04	1.11	4771	1.0
y_mean[566]	-0.84	4.1e-4	0.03	-0.9	-0.86	-0.84	-0.82	-0.79	4945	1.0
y_mean[567]	-1.08	4.3e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.03	4641	1.0
y_mean[568]	0.83	6.6e-4	0.05	0.74	0.8	0.83	0.86	0.93	5479	1.0
y_mean[569]	0.99	6.9e-4	0.05	0.9	0.96	0.99	1.02	1.08	4600	1.0
y_mean[570]	1.97	1.1e-3	0.07	1.83	1.92	1.97	2.02	2.12	4524	1.0
y_mean[571]	1.03	5.5e-4	0.04	0.96	1.01	1.03	1.06	1.11	4790	1.0
y_mean[572]	-7.5e-3	3.1e-4	0.02	-0.05	-0.02	-7.9e-3	6.2e-3	0.03	4632	1.0
y_mean[573]	-0.06	3.2e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	4632	1.0
y_mean[574]	-0.14	3.7e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	5270	1.0
y_mean[575]	-0.54	4.5e-4	0.03	-0.61	-0.57	-0.55	-0.52	-0.48	4852	1.0
y_mean[576]	0.14	6.9e-4	0.05	0.04	0.11	0.14	0.17	0.24	5096	1.0
y_mean[577]	-0.36	3.0e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.32	5115	1.0
y_mean[578]	-1.09	6.9e-4	0.05	-1.18	-1.12	-1.09	-1.05	-0.99	4833	1.0
y_mean[579]	-0.46	3.6e-4	0.02	-0.51	-0.48	-0.46	-0.44	-0.41	4749	1.0
y_mean[580]	0.14	2.6e-4	0.02	0.11	0.13	0.14	0.16	0.18	4924	1.0
y_mean[581]	-0.32	3.1e-4	0.02	-0.36	-0.33	-0.32	-0.3	-0.28	4548	1.0
y_mean[582]	-0.37	5.2e-4	0.04	-0.44	-0.4	-0.37	-0.35	-0.3	4734	1.0
y_mean[583]	0.97	4.9e-4	0.03	0.91	0.95	0.97	0.99	1.03	4551	1.0
y_mean[584]	-1.02	4.5e-4	0.03	-1.08	-1.04	-1.02	-1.0	-0.96	4563	1.0

y_mean[585]	1.9e-4	5.8e-4	0.04	-0.08	-0.03	-7.4e-4	0.03	0.08	4636	1.0
y_mean[586]	-0.28	3.3e-4	0.02	-0.33	-0.3	-0.28	-0.27	-0.24	4738	1.0
y_mean[587]	0.14	3.2e-4	0.02	0.09	0.12	0.14	0.15	0.18	4601	1.0
y_mean[588]	-0.14	4.2e-4	0.03	-0.21	-0.16	-0.14	-0.12	-0.08	5613	1.0
y_mean[589]	5.66	2.2e-3	0.16	5.35	5.56	5.66	5.77	5.97	5029	1.0
y_mean[590]	-0.72	3.8e-4	0.03	-0.77	-0.74	-0.72	-0.7	-0.67	4890	1.0
y_mean[591]	-0.86	4.2e-4	0.03	-0.92	-0.88	-0.86	-0.84	-0.8	4977	1.0
y_mean[592]	0.21	3.8e-4	0.03	0.15	0.19	0.21	0.23	0.26	5183	1.0
y_mean[593]	2.8e-3	3.1e-4	0.02	-0.04	-0.01	2.6e-3	0.02	0.04	4634	1.0
y_mean[594]	-0.4	3.1e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	4663	1.0
y_mean[595]	0.26	3.4e-4	0.02	0.21	0.24	0.26	0.28	0.31	4814	1.0
y_mean[596]	1.75	8.0e-4	0.06	1.64	1.71	1.75	1.78	1.85	4790	1.0
y_mean[597]	1.14	7.0e-4	0.05	1.04	1.11	1.14	1.18	1.24	5276	1.0
y_mean[598]	0.42	5.0e-4	0.03	0.36	0.4	0.42	0.44	0.49	4613	1.0
y_mean[599]	-0.74	3.7e-4	0.03	-0.78	-0.75	-0.74	-0.72	-0.68	4876	1.0
y_mean[600]	-0.24	4.6e-4	0.03	-0.31	-0.26	-0.24	-0.22	-0.18	4854	1.0
y_mean[601]	-0.25	3.8e-4	0.03	-0.31	-0.27	-0.25	-0.24	-0.2	4884	1.0
y_mean[602]	-0.98	4.5e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	4557	1.0
y_mean[603]	-0.37	3.1e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.33	4672	1.0
y_mean[604]	-0.36	3.3e-4	0.02	-0.41	-0.38	-0.36	-0.34	-0.31	5368	1.0
y_mean[605]	-0.53	3.1e-4	0.02	-0.58	-0.55	-0.53	-0.52	-0.49	5038	1.0
y_mean[606]	0.59	4.4e-4	0.03	0.53	0.57	0.59	0.61	0.65	4515	1.0
y_mean[607]	0.45	7.0e-4	0.05	0.36	0.42	0.45	0.48	0.54	4688	1.0
y_mean[608]	-0.48	3.1e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	4782	1.0
y_mean[609]	0.61	8.5e-4	0.06	0.5	0.57	0.61	0.65	0.73	5029	1.0
y_mean[610]	1.02	6.2e-4	0.04	0.94	0.99	1.02	1.05	1.11	5102	1.0
y_mean[611]	-0.29	4.5e-4	0.03	-0.35	-0.31	-0.29	-0.27	-0.23	5217	1.0
y_mean[612]	-0.04	4.5e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	4795	1.0
y_mean[613]	-0.41	2.7e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	4872	1.0
y_mean[614]	-0.41	2.7e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	4784	1.0
y_mean[615]	-0.85	4.2e-4	0.03	-0.91	-0.87	-0.85	-0.83	-0.8	4809	1.0
y_mean[616]	1.99	8.6e-4	0.06	1.88	1.95	1.99	2.03	2.11	4643	1.0
y_mean[617]	-0.3	4.6e-4	0.03	-0.36	-0.32	-0.3	-0.28	-0.24	4757	1.0
y_mean[618]	-0.42	5.8e-4	0.04	-0.5	-0.45	-0.42	-0.39	-0.34	4755	1.0
y_mean[619]	0.63	5.9e-4	0.04	0.55	0.6	0.63	0.66	0.72	5412	1.0
y_mean[620]	-0.23	3.7e-4	0.03	-0.28	-0.25	-0.23	-0.21	-0.18	4876	1.0
y_mean[621]	-0.34	4.3e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	4854	1.0
y_mean[622]	1.87	1.1e-3	0.07	1.73	1.82	1.87	1.92	2.01	4131	1.0
y_mean[623]	1.78	1.1e-3	0.07	1.63	1.73	1.78	1.83	1.92	4108	1.0
y_mean[624]	-0.88	4.4e-4	0.03	-0.94	-0.9	-0.88	-0.86	-0.82	5025	1.0
y_mean[625]	1.32	8.6e-4	0.06	1.2	1.28	1.32	1.36	1.44	4743	1.0
y_mean[626]	-0.48	3.1e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	5205	1.0
y_mean[627]	3.22	1.3e-3	0.09	3.06	3.17	3.23	3.28	3.39	4656	1.0
y_mean[628]	-0.12	7.1e-4	0.05	-0.22	-0.15	-0.12	-0.09	-0.02	4762	1.0
y_mean[629]	0.72	4.5e-4	0.03	0.66	0.7	0.72	0.74	0.78	4531	1.0
y_mean[630]	-0.86	4.9e-4	0.04	-0.93	-0.89	-0.86	-0.84	-0.8	5146	1.0
y_mean[631]	0.16	4.7e-4	0.03	0.09	0.13	0.16	0.18	0.22	4777	1.0
y_mean[632]	0.17	4.1e-4	0.03	0.11	0.15	0.17	0.18	0.22	4754	1.0

y_mean[633]	-0.12	3.9e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.07	5547	1.0
y_mean[634]	-0.25	3.3e-4	0.02	-0.29	-0.26	-0.25	-0.23	-0.2	5178	1.0
y_mean[635]	0.21	5.7e-4	0.04	0.13	0.18	0.21	0.23	0.28	4396	1.0
y_mean[636]	0.13	3.2e-4	0.02	0.08	0.11	0.13	0.14	0.17	4606	1.0
y_mean[637]	-0.58	3.5e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	4754	1.0
y_mean[638]	1.46	7.4e-4	0.05	1.36	1.42	1.46	1.49	1.55	4487	1.0
y_mean[639]	-0.16	3.4e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	4819	1.0
y_mean[640]	1.05	6.6e-4	0.04	0.97	1.02	1.05	1.08	1.14	4506	1.0
y_mean[641]	-0.03	3.2e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	4674	1.0
y_mean[642]	-0.09	3.5e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4330	1.0
y_mean[643]	2.75	1.0e-3	0.07	2.61	2.7	2.75	2.79	2.88	4363	1.0
y_mean[644]	0.08	6.6e-4	0.04	3.0e-3	0.06	0.08	0.11	0.17	3985	1.0
y_mean[645]	-0.1	4.5e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	4665	1.0
y_mean[646]	0.15	3.1e-4	0.02	0.11	0.13	0.15	0.16	0.19	4621	1.0
y_mean[647]	0.67	6.1e-4	0.04	0.59	0.65	0.67	0.7	0.75	4572	1.0
y_mean[648]	-0.04	4.4e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.01	4058	1.0
y_mean[649]	-0.7	3.7e-4	0.03	-0.75	-0.72	-0.7	-0.68	-0.65	4959	1.0
y_mean[650]	0.21	4.1e-4	0.03	0.15	0.19	0.21	0.23	0.26	5152	1.0
y_mean[651]	-0.4	5.0e-4	0.04	-0.47	-0.42	-0.4	-0.37	-0.33	5312	1.0
y_mean[652]	0.06	4.9e-4	0.03	-3.0e-3	0.04	0.06	0.09	0.13	4992	1.0
y_mean[653]	0.27	5.1e-4	0.03	0.2	0.25	0.27	0.29	0.34	4513	1.0
y_mean[654]	1.03	6.3e-4	0.04	0.95	1.0	1.03	1.06	1.12	4622	1.0
y_mean[655]	-0.24	2.9e-4	0.02	-0.28	-0.25	-0.24	-0.22	-0.19	5251	1.0
y_mean[656]	-0.27	5.3e-4	0.04	-0.34	-0.3	-0.27	-0.25	-0.2	4689	1.0
y_mean[657]	0.12	3.3e-4	0.02	0.08	0.11	0.12	0.14	0.17	4849	1.0
y_mean[658]	0.13	3.5e-4	0.02	0.08	0.11	0.13	0.14	0.18	4926	1.0
y_mean[659]	-0.11	4.5e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.06	4128	1.0
y_mean[660]	0.04	4.6e-4	0.03	-0.03	0.01	0.04	0.06	0.1	5139	1.0
y_mean[661]	0.31	5.1e-4	0.04	0.24	0.29	0.31	0.34	0.39	5041	1.0
y_mean[662]	-0.62	3.2e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4791	1.0
y_mean[663]	-0.43	2.9e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.38	4898	1.0
y_mean[664]	0.26	6.3e-4	0.05	0.17	0.23	0.26	0.29	0.35	5750	1.0
y_mean[665]	-0.44	3.0e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.4	4693	1.0
y_mean[666]	1.1	8.3e-4	0.06	0.99	1.07	1.1	1.14	1.21	4591	1.0
y_mean[667]	0.41	4.0e-4	0.03	0.35	0.39	0.41	0.43	0.47	5120	1.0
y_mean[668]	0.52	6.2e-4	0.04	0.44	0.49	0.52	0.55	0.6	4131	1.0
y_mean[669]	-0.45	5.3e-4	0.04	-0.52	-0.47	-0.45	-0.42	-0.37	5089	1.0
y_mean[670]	0.03	3.1e-4	0.02	-6.2e-3	0.02	0.03	0.05	0.08	4613	1.0
y_mean[671]	0.01	5.1e-4	0.03	-0.05	-0.01	0.01	0.03	0.07	3894	1.0
y_mean[672]	-0.03	5.6e-4	0.04	-0.1	-0.05	-0.03	-4.4e-3	0.04	4151	1.0
y_mean[673]	-0.66	3.7e-4	0.03	-0.71	-0.68	-0.66	-0.64	-0.61	4850	1.0
y_mean[674]	1.07	6.4e-4	0.04	0.99	1.05	1.07	1.1	1.16	4628	1.0
y_mean[675]	1.61	7.7e-4	0.05	1.51	1.58	1.61	1.65	1.71	4465	1.0
y_mean[676]	-0.36	3.0e-4	0.02	-0.4	-0.38	-0.36	-0.35	-0.32	4747	1.0
y_mean[677]	-0.1	3.4e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	4783	1.0
y_mean[678]	0.07	3.0e-4	0.02	0.03	0.05	0.07	0.08	0.11	4612	1.0
y_mean[679]	0.39	5.2e-4	0.03	0.32	0.36	0.39	0.41	0.45	4284	1.0
y_mean[680]	0.6	7.3e-4	0.05	0.5	0.56	0.6	0.63	0.69	4370	1.0

y_mean[681]	-0.56	3.2e-4	0.02	-0.6	-0.57	-0.56	-0.54	-0.51	5011	1.0
y_mean[682]	0.04	6.6e-4	0.04	-0.05	7.0e-3	0.04	0.07	0.12	4433	1.0
y_mean[683]	-0.08	3.2e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	5297	1.0
y_mean[684]	0.48	4.4e-4	0.03	0.43	0.46	0.48	0.5	0.54	4621	1.0
y_mean[685]	-0.48	6.9e-4	0.05	-0.57	-0.51	-0.48	-0.45	-0.39	4255	1.0
y_mean[686]	-0.2	4.6e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.14	4018	1.0
y_mean[687]	-0.22	5.1e-4	0.03	-0.28	-0.24	-0.22	-0.19	-0.15	4631	1.0
y_mean[688]	-0.08	3.3e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4800	1.0
y_mean[689]	1.17	6.7e-4	0.05	1.08	1.14	1.17	1.2	1.26	4612	1.0
y_mean[690]	1.26	8.7e-4	0.06	1.13	1.21	1.26	1.3	1.39	5447	1.0
y_mean[691]	-0.48	3.0e-4	0.02	-0.51	-0.49	-0.48	-0.46	-0.43	4725	1.0
y_mean[692]	0.32	6.6e-4	0.04	0.24	0.3	0.32	0.35	0.4	4142	1.0
y_mean[693]	-0.42	2.9e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	4894	1.0
y_mean[694]	-0.38	3.0e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	4866	1.0
y_mean[695]	0.05	3.6e-4	0.03	-1.9e-3	0.03	0.05	0.07	0.1	5010	1.0
y_mean[696]	-0.46	3.1e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	4645	1.0
y_mean[697]	0.95	5.7e-4	0.04	0.88	0.93	0.95	0.98	1.03	4895	1.0
y_mean[698]	0.37	4.7e-4	0.03	0.31	0.35	0.37	0.39	0.43	4608	1.0
y_mean[699]	-0.82	4.3e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.76	4892	1.0
y_mean[700]	0.83	6.4e-4	0.04	0.75	0.8	0.83	0.86	0.92	4690	1.0
y_mean[701]	-0.29	4.9e-4	0.03	-0.35	-0.31	-0.29	-0.26	-0.22	4845	1.0
y_mean[702]	1.29	6.1e-4	0.04	1.21	1.26	1.29	1.32	1.37	4342	1.0
y_mean[703]	-0.37	3.3e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	4609	1.0
y_mean[704]	0.2	6.1e-4	0.04	0.12	0.17	0.2	0.23	0.28	4278	1.0
y_mean[705]	-0.25	9.9e-4	0.07	-0.37	-0.29	-0.25	-0.2	-0.12	4319	1.0
y_mean[706]	0.17	5.7e-4	0.04	0.1	0.15	0.17	0.2	0.24	4015	1.0
y_mean[707]	-0.62	5.7e-4	0.04	-0.7	-0.65	-0.62	-0.59	-0.54	5294	1.0
y_mean[708]	-0.12	3.5e-4	0.02	-0.17	-0.14	-0.12	-0.1	-0.07	5056	1.0
y_mean[709]	-0.53	3.1e-4	0.02	-0.57	-0.55	-0.53	-0.52	-0.49	4871	1.0
y_mean[710]	0.14	3.2e-4	0.02	0.09	0.12	0.14	0.15	0.18	4601	1.0
y_mean[711]	-0.8	4.1e-4	0.03	-0.86	-0.82	-0.8	-0.78	-0.75	4777	1.0
y_mean[712]	-0.18	3.7e-4	0.02	-0.23	-0.2	-0.18	-0.17	-0.14	4326	1.0
y_mean[713]	1.22	6.0e-4	0.04	1.13	1.19	1.22	1.24	1.29	4541	1.0
y_mean[714]	0.9	4.8e-4	0.03	0.83	0.88	0.9	0.92	0.96	4914	1.0
y_mean[715]	-0.79	3.9e-4	0.03	-0.84	-0.81	-0.79	-0.77	-0.74	4899	1.0
y_mean[716]	-0.26	3.4e-4	0.02	-0.31	-0.28	-0.26	-0.24	-0.21	5158	1.0
y_mean[717]	-0.71	4.6e-4	0.03	-0.77	-0.73	-0.71	-0.69	-0.64	5208	1.0
y_mean[718]	-0.13	7.0e-4	0.05	-0.22	-0.16	-0.13	-0.1	-0.04	4530	1.0
y_mean[719]	-0.12	3.3e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.08	4790	1.0
y_mean[720]	0.41	5.2e-4	0.04	0.34	0.38	0.41	0.44	0.48	5497	1.0
y_mean[721]	0.58	4.6e-4	0.03	0.51	0.55	0.58	0.6	0.64	4577	1.0
y_mean[722]	0.81	5.7e-4	0.04	0.73	0.78	0.81	0.83	0.89	4598	1.0
y_mean[723]	-0.1	3.9e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	4972	1.0
y_mean[724]	0.84	7.4e-4	0.05	0.74	0.8	0.84	0.87	0.94	4763	1.0
y_mean[725]	-0.35	3.2e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	5330	1.0
y_mean[726]	-0.45	2.9e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	4931	1.0
y_mean[727]	-0.02	3.1e-4	0.02	-0.06	-0.04	-0.02	-9.1e-3	0.02	4629	1.0
y_mean[728]	0.75	4.7e-4	0.03	0.69	0.73	0.75	0.78	0.82	4643	1.0

y_mean[729]	0.19	5.9e-4	0.04	0.12	0.17	0.19	0.22	0.26	3918	1.0
y_mean[730]	-0.21	3.9e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.15	4792	1.0
y_mean[731]	-0.06	3.3e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	5052	1.0
y_mean[732]	5.45	2.4e-3	0.17	5.12	5.34	5.46	5.57	5.79	4941	1.0
y_mean[733]	0.26	4.3e-4	0.03	0.2	0.24	0.26	0.28	0.32	4925	1.0
y_mean[734]	-0.21	3.5e-4	0.02	-0.25	-0.22	-0.21	-0.19	-0.16	4849	1.0
y_mean[735]	-0.66	3.3e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	4831	1.0
y_mean[736]	-0.22	6.1e-4	0.04	-0.3	-0.25	-0.22	-0.19	-0.14	4723	1.0
y_mean[737]	0.07	3.2e-4	0.02	0.03	0.06	0.07	0.09	0.12	4633	1.0
y_mean[738]	0.08	5.5e-4	0.04	3.1e-3	0.05	0.08	0.1	0.15	4661	1.0
y_mean[739]	-1.03	4.3e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.98	4596	1.0
y_mean[740]	0.51	3.7e-4	0.03	0.46	0.49	0.51	0.53	0.56	4729	1.0
y_mean[741]	-0.34	6.4e-4	0.04	-0.42	-0.37	-0.34	-0.31	-0.26	4260	1.0
y_mean[742]	1.22	8.0e-4	0.06	1.11	1.18	1.22	1.26	1.33	4839	1.0
y_mean[743]	-0.45	3.2e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.4	5249	1.0
y_mean[744]	0.26	3.2e-4	0.02	0.22	0.25	0.26	0.28	0.3	4452	1.0
y_mean[745]	0.23	3.4e-4	0.02	0.19	0.22	0.23	0.25	0.28	4606	1.0
y_mean[746]	0.16	6.2e-4	0.04	0.08	0.13	0.16	0.19	0.24	4372	1.0
y_mean[747]	-0.98	4.3e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	4995	1.0
y_mean[748]	-0.5	6.4e-4	0.04	-0.58	-0.53	-0.5	-0.47	-0.41	4705	1.0
y_mean[749]	0.1	3.2e-4	0.02	0.05	0.08	0.1	0.11	0.14	4615	1.0
y_mean[750]	-0.64	3.3e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4775	1.0
y_mean[751]	0.32	4.7e-4	0.03	0.25	0.3	0.32	0.34	0.39	5053	1.0
y_mean[752]	0.26	4.3e-4	0.03	0.2	0.24	0.26	0.28	0.32	5139	1.0
y_mean[753]	3.96	1.7e-3	0.12	3.73	3.89	3.96	4.04	4.2	4978	1.0
y_mean[754]	0.47	4.4e-4	0.03	0.41	0.45	0.47	0.49	0.53	4713	1.0
y_mean[755]	-0.35	5.7e-4	0.04	-0.43	-0.38	-0.35	-0.32	-0.27	4761	1.0
y_mean[756]	-0.76	3.7e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.7	4858	1.0
y_mean[757]	-0.05	3.2e-4	0.02	-0.09	-0.06	-0.05	-0.04	-6.2e-3	4634	1.0
y_mean[758]	-0.42	4.6e-4	0.03	-0.49	-0.44	-0.42	-0.4	-0.36	4992	1.0
y_mean[759]	0.63	4.4e-4	0.03	0.57	0.61	0.63	0.65	0.69	4546	1.0
y_mean[760]	0.99	5.5e-4	0.04	0.92	0.96	0.99	1.01	1.06	4558	1.0
y_mean[761]	0.48	5.1e-4	0.03	0.42	0.46	0.48	0.5	0.55	4277	1.0
y_mean[762]	-0.54	3.1e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4904	1.0
y_mean[763]	-0.5	4.2e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.44	4920	1.0
y_mean[764]	0.43	4.7e-4	0.03	0.37	0.41	0.43	0.45	0.49	4209	1.0
y_mean[765]	-0.48	2.9e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	4851	1.0
y_mean[766]	1.23	6.3e-4	0.04	1.15	1.2	1.23	1.26	1.32	4497	1.0
y_mean[767]	1.69	7.3e-4	0.05	1.59	1.65	1.69	1.72	1.78	4466	1.0
y_mean[768]	-0.05	3.4e-4	0.02	-0.09	-0.06	-0.05	-0.03	1.2e-3	4824	1.0
y_mean[769]	0.39	4.6e-4	0.03	0.33	0.37	0.39	0.41	0.45	4648	1.0
y_mean[770]	-0.6	3.3e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	5054	1.0
y_mean[771]	-0.27	4.3e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.22	4199	1.0
y_mean[772]	1.66	9.7e-4	0.07	1.52	1.62	1.66	1.71	1.8	5152	1.0
y_mean[773]	-0.15	4.1e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	4673	1.0
y_mean[774]	-0.58	3.1e-4	0.02	-0.62	-0.6	-0.58	-0.57	-0.54	4797	1.0
y_mean[775]	0.19	7.0e-4	0.05	0.1	0.15	0.19	0.22	0.28	4676	1.0
y_mean[776]	0.49	5.1e-4	0.03	0.43	0.47	0.49	0.52	0.56	4620	1.0

y_mean[777]	-0.48	3.6e-4	0.03	-0.53	-0.5	-0.48	-0.46	-0.43	5335	1.0
y_mean[778]	-0.13	3.4e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	4847	1.0
y_mean[779]	0.18	3.0e-4	0.02	0.14	0.17	0.18	0.19	0.22	4937	1.0
y_mean[780]	0.65	7.0e-4	0.05	0.55	0.62	0.65	0.68	0.75	4938	1.0
y_mean[781]	-0.07	4.3e-4	0.03	-0.13	-0.09	-0.07	-0.05	-8.6e-3	5438	1.0
y_mean[782]	0.02	3.1e-4	0.02	-0.02	7.4e-3	0.02	0.03	0.06	4620	1.0
y_mean[783]	-0.61	3.2e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.56	4836	1.0
y_mean[784]	-0.43	3.0e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	4686	1.0
y_mean[785]	0.23	6.5e-4	0.05	0.14	0.2	0.23	0.26	0.32	4841	1.0
y_mean[786]	-0.64	3.2e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4819	1.0
y_mean[787]	0.62	5.2e-4	0.04	0.55	0.6	0.62	0.65	0.7	5324	1.0
y_mean[788]	0.14	6.9e-4	0.05	0.05	0.11	0.14	0.17	0.24	4702	1.0
y_mean[789]	0.16	5.4e-4	0.04	0.08	0.13	0.16	0.19	0.24	5453	1.0
y_mean[790]	0.74	5.1e-4	0.03	0.67	0.71	0.74	0.76	0.81	4576	1.0
y_mean[791]	0.46	5.8e-4	0.04	0.39	0.44	0.46	0.49	0.54	4209	1.0
y_mean[792]	0.74	4.7e-4	0.03	0.67	0.72	0.74	0.76	0.8	4800	1.0
y_mean[793]	1.56	1.0e-3	0.07	1.43	1.52	1.56	1.61	1.7	4764	1.0
y_mean[794]	1.42	6.1e-4	0.04	1.34	1.39	1.42	1.45	1.51	4711	1.0
y_mean[795]	-1.08	4.2e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.03	4681	1.0
y_mean[796]	0.69	5.8e-4	0.04	0.62	0.67	0.69	0.72	0.76	4200	1.0
y_mean[797]	-1.05	4.2e-4	0.03	-1.11	-1.07	-1.05	-1.03	-1.0	4617	1.0
y_mean[798]	0.11	4.9e-4	0.03	0.05	0.09	0.11	0.13	0.17	3992	1.0
y_mean[799]	0.08	3.2e-4	0.02	0.03	0.07	0.08	0.1	0.13	5286	1.0
y_mean[800]	0.34	5.5e-4	0.04	0.27	0.32	0.34	0.37	0.41	4686	1.0
y_mean[801]	0.22	3.1e-4	0.02	0.18	0.21	0.22	0.24	0.26	4961	1.0
y_mean[802]	0.99	9.5e-4	0.07	0.85	0.94	0.99	1.03	1.12	5082	1.0
y_mean[803]	0.5	5.3e-4	0.04	0.43	0.48	0.5	0.53	0.57	4716	1.0
y_mean[804]	0.71	4.4e-4	0.03	0.65	0.69	0.71	0.73	0.76	4570	1.0
y_mean[805]	-0.58	3.5e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.53	5051	1.0
y_mean[806]	0.44	4.2e-4	0.03	0.39	0.42	0.44	0.46	0.5	5149	1.0
y_mean[807]	-0.12	3.8e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.06	5267	1.0
y_mean[808]	-0.58	3.3e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.53	5053	1.0
y_mean[809]	1.59	9.6e-4	0.07	1.45	1.54	1.59	1.63	1.72	4973	1.0
y_mean[810]	0.14	3.2e-4	0.02	0.1	0.13	0.14	0.15	0.18	4611	1.0
y_mean[811]	-0.27	4.0e-4	0.03	-0.32	-0.29	-0.27	-0.25	-0.22	4521	1.0
y_mean[812]	-0.64	3.6e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.59	5000	1.0
y_mean[813]	-0.46	3.1e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.42	4638	1.0
y_mean[814]	-0.06	4.7e-4	0.03	-0.12	-0.08	-0.06	-0.03	4.6e-3	4637	1.0
y_mean[815]	-1.03	4.2e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.97	4737	1.0
y_mean[816]	-0.27	4.4e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4820	1.0
y_mean[817]	0.14	4.2e-4	0.03	0.08	0.12	0.14	0.16	0.19	4683	1.0
y_mean[818]	0.37	4.8e-4	0.04	0.3	0.34	0.37	0.39	0.44	5507	1.0
y_mean[819]	-1.04	4.5e-4	0.03	-1.1	-1.06	-1.04	-1.02	-0.98	5014	1.0
y_mean[820]	-0.33	3.5e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	4474	1.0
y_mean[821]	0.02	3.5e-4	0.02	-0.03	-9.4e-4	0.02	0.03	0.06	4941	1.0
y_mean[822]	-0.79	4.3e-4	0.03	-0.84	-0.81	-0.79	-0.76	-0.73	4865	1.0
y_mean[823]	-0.53	3.8e-4	0.03	-0.59	-0.55	-0.53	-0.51	-0.48	5275	1.0
y_mean[824]	0.51	5.9e-4	0.04	0.43	0.48	0.51	0.54	0.59	4603	1.0

y_mean[825]	-0.07	4.7e-4	0.03	-0.14	-0.1	-0.07	-0.05	-8.9e-3	4768	1.0
y_mean[826]	-1.12	7.3e-4	0.05	-1.22	-1.15	-1.12	-1.09	-1.02	4566	1.0
y_mean[827]	0.39	3.8e-4	0.03	0.34	0.37	0.39	0.4	0.43	4316	1.0
y_mean[828]	1.0	6.8e-4	0.05	0.91	0.97	1.0	1.03	1.1	4807	1.0
y_mean[829]	1.13	6.8e-4	0.05	1.04	1.1	1.13	1.16	1.22	4674	1.0
y_mean[830]	1.6	1.5e-3	0.1	1.39	1.53	1.6	1.66	1.79	4983	1.0
y_mean[831]	-0.49	3.0e-4	0.02	-0.53	-0.51	-0.49	-0.48	-0.45	4717	1.0
y_mean[832]	-0.48	5.9e-4	0.04	-0.56	-0.51	-0.48	-0.46	-0.4	4712	1.0
y_mean[833]	-0.6	4.1e-4	0.03	-0.65	-0.62	-0.6	-0.58	-0.54	4860	1.0
y_mean[834]	-0.34	3.4e-4	0.02	-0.38	-0.35	-0.34	-0.32	-0.29	4521	1.0
y_mean[835]	1.11	8.0e-4	0.06	0.99	1.07	1.11	1.15	1.22	5418	1.0
y_mean[836]	-0.04	6.7e-4	0.05	-0.14	-0.07	-0.04	-9.5e-3	0.05	4990	1.0
y_mean[837]	1.23	6.9e-4	0.05	1.14	1.2	1.23	1.26	1.32	4592	1.0
y_mean[838]	-8.6e-3	5.9e-4	0.05	-0.1	-0.04	-8.0e-3	0.02	0.08	5973	1.0
y_mean[839]	-0.75	4.2e-4	0.03	-0.81	-0.77	-0.76	-0.73	-0.7	4990	1.0
y_mean[840]	-0.52	4.0e-4	0.03	-0.58	-0.54	-0.53	-0.51	-0.47	4768	1.0
y_mean[841]	-0.24	4.9e-4	0.03	-0.3	-0.26	-0.24	-0.21	-0.17	4148	1.0
y_mean[842]	0.03	5.1e-4	0.04	-0.04	9.5e-3	0.03	0.06	0.11	4981	1.0
y_mean[843]	-0.13	4.1e-4	0.03	-0.19	-0.15	-0.14	-0.11	-0.08	4715	1.0
y_mean[844]	0.5	4.5e-4	0.03	0.44	0.48	0.5	0.52	0.56	4830	1.0
y_mean[845]	-0.27	4.7e-4	0.04	-0.34	-0.3	-0.27	-0.25	-0.2	5792	1.0
y_mean[846]	-0.46	2.9e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	5099	1.0
y_mean[847]	-0.35	3.1e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.3	5140	1.0
y_mean[848]	2.5	8.7e-4	0.06	2.38	2.46	2.5	2.54	2.61	4575	1.0
y_mean[849]	0.23	4.5e-4	0.03	0.17	0.21	0.23	0.25	0.29	4576	1.0
y_mean[850]	0.36	4.6e-4	0.03	0.29	0.34	0.36	0.38	0.42	4431	1.0
y_mean[851]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	4623	1.0
y_mean[852]	-0.05	3.1e-4	0.02	-0.09	-0.06	-0.05	-0.03	-3.1e-3	4646	1.0
y_mean[853]	-0.67	3.3e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.62	4819	1.0
y_mean[854]	-0.39	2.7e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.36	5065	1.0
y_mean[855]	-0.39	3.0e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	5090	1.0
y_mean[856]	-0.51	3.0e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4813	1.0
y_mean[857]	-0.26	6.0e-4	0.04	-0.35	-0.29	-0.26	-0.24	-0.19	4768	1.0
y_mean[858]	0.36	4.6e-4	0.03	0.3	0.34	0.36	0.38	0.43	4665	1.0
y_mean[859]	0.51	7.6e-4	0.05	0.41	0.48	0.51	0.54	0.6	4104	1.0
y_mean[860]	-0.31	3.1e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.27	4987	1.0
y_mean[861]	0.22	6.4e-4	0.04	0.13	0.19	0.22	0.24	0.29	4025	1.0
y_mean[862]	0.57	5.4e-4	0.04	0.5	0.54	0.57	0.59	0.63	4403	1.0
y_mean[863]	0.3	5.1e-4	0.03	0.24	0.28	0.3	0.32	0.37	4317	1.0
y_mean[864]	-0.38	3.0e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	4836	1.0
y_mean[865]	-0.49	3.0e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	4885	1.0
y_mean[866]	0.25	3.4e-4	0.02	0.21	0.24	0.25	0.27	0.3	4641	1.0
y_mean[867]	-0.11	4.6e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.06	3934	1.0
y_mean[868]	-0.03	4.3e-4	0.03	-0.09	-0.05	-0.03	-9.6e-3	0.03	4769	1.0
y_mean[869]	-0.75	4.5e-4	0.03	-0.81	-0.77	-0.75	-0.73	-0.69	5219	1.0
y_mean[870]	-0.73	3.6e-4	0.02	-0.78	-0.75	-0.73	-0.72	-0.68	4843	1.0
y_mean[871]	-0.23	3.5e-4	0.02	-0.28	-0.25	-0.23	-0.21	-0.18	4746	1.0
y_mean[872]	1.63	9.8e-4	0.07	1.49	1.58	1.63	1.67	1.76	4691	1.0

y_mean[873]	0.27	4.4e-4	0.03	0.21	0.25	0.27	0.29	0.32	4459	1.0
y_mean[874]	-0.27	4.0e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.22	5054	1.0
y_mean[875]	-0.08	3.2e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4755	1.0
y_mean[876]	-0.73	4.0e-4	0.03	-0.79	-0.75	-0.73	-0.71	-0.68	4898	1.0
y_mean[877]	-0.91	4.7e-4	0.03	-0.97	-0.93	-0.91	-0.89	-0.85	4809	1.0
y_mean[878]	-0.09	5.4e-4	0.04	-0.16	-0.11	-0.09	-0.07	-0.02	4292	1.0
y_mean[879]	-0.63	3.8e-4	0.03	-0.69	-0.65	-0.63	-0.62	-0.58	4894	1.0
y_mean[880]	-0.52	3.4e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	4683	1.0
y_mean[881]	1.73	8.5e-4	0.06	1.62	1.69	1.73	1.77	1.84	4713	1.0
y_mean[882]	-0.44	3.2e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.4	4707	1.0
y_mean[883]	-0.88	4.7e-4	0.03	-0.94	-0.9	-0.88	-0.86	-0.81	4791	1.0
y_mean[884]	-0.15	3.2e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	4497	1.0
y_mean[885]	0.08	3.7e-4	0.03	0.03	0.06	0.08	0.1	0.13	4801	1.0
y_mean[886]	-0.86	5.1e-4	0.03	-0.93	-0.89	-0.86	-0.84	-0.79	4546	1.0
y_mean[887]	0.19	5.6e-4	0.04	0.11	0.16	0.19	0.21	0.27	5062	1.0
y_mean[888]	-0.46	6.0e-4	0.04	-0.54	-0.48	-0.46	-0.43	-0.37	4713	1.0
y_mean[889]	-0.43	4.8e-4	0.03	-0.49	-0.45	-0.43	-0.4	-0.36	4767	1.0
y_mean[890]	0.13	3.9e-4	0.03	0.08	0.11	0.13	0.15	0.19	4678	1.0
y_mean[891]	-0.63	3.6e-4	0.03	-0.68	-0.65	-0.63	-0.61	-0.58	5025	1.0
y_mean[892]	-1.06	4.2e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.01	4715	1.0
y_mean[893]	-0.68	3.4e-4	0.02	-0.72	-0.7	-0.68	-0.66	-0.63	4811	1.0
y_mean[894]	0.48	8.0e-4	0.05	0.38	0.45	0.48	0.52	0.58	4013	1.0
y_mean[895]	-0.78	4.7e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.71	4875	1.0
y_mean[896]	-0.99	4.1e-4	0.03	-1.04	-1.0	-0.99	-0.97	-0.93	4758	1.0
y_mean[897]	-1.05	4.2e-4	0.03	-1.11	-1.07	-1.05	-1.03	-0.99	4696	1.0
y_mean[898]	-0.46	3.0e-4	0.02	-0.5	-0.47	-0.46	-0.45	-0.42	5021	1.0
y_mean[899]	-0.33	6.2e-4	0.04	-0.42	-0.36	-0.33	-0.3	-0.24	5194	1.0
y_mean[900]	-0.28	3.8e-4	0.03	-0.33	-0.3	-0.28	-0.26	-0.23	4595	1.0
y_mean[901]	-1.22	6.3e-4	0.04	-1.31	-1.25	-1.22	-1.19	-1.14	4650	1.0
y_mean[902]	-0.25	3.5e-4	0.02	-0.3	-0.27	-0.25	-0.24	-0.21	4695	1.0
y_mean[903]	-0.46	5.0e-4	0.03	-0.53	-0.49	-0.47	-0.44	-0.4	4830	1.0
y_mean[904]	-0.1	4.1e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	5329	1.0
y_mean[905]	-0.1	3.8e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	5222	1.0
y_mean[906]	0.44	3.1e-4	0.02	0.4	0.43	0.44	0.45	0.48	4296	1.0
y_mean[907]	-0.46	3.5e-4	0.02	-0.51	-0.47	-0.46	-0.44	-0.41	4689	1.0
y_mean[908]	-0.39	3.0e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	4856	1.0
y_mean[909]	-0.27	4.5e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4155	1.0
y_mean[910]	-1.03	4.5e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.97	5013	1.0
y_mean[911]	0.09	6.1e-4	0.04	6.1e-3	0.06	0.09	0.12	0.18	5275	1.0
y_mean[912]	-0.35	3.6e-4	0.02	-0.4	-0.37	-0.35	-0.33	-0.3	4593	1.0
y_mean[913]	1.21	6.9e-4	0.05	1.12	1.18	1.21	1.24	1.3	4732	1.0
y_mean[914]	0.44	4.9e-4	0.03	0.38	0.42	0.44	0.46	0.51	4857	1.0
y_mean[915]	-0.27	6.0e-4	0.04	-0.35	-0.3	-0.28	-0.25	-0.19	4786	1.0
y_mean[916]	-1.0	4.2e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.95	4748	1.0
y_mean[917]	0.05	6.1e-4	0.04	-0.02	0.02	0.05	0.08	0.13	4096	1.0
y_mean[918]	-0.87	4.1e-4	0.03	-0.93	-0.89	-0.87	-0.86	-0.82	4630	1.0
y_mean[919]	-0.14	3.7e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	5252	1.0
y_mean[920]	0.13	4.2e-4	0.03	0.07	0.11	0.13	0.15	0.18	5167	1.0

y_mean[921]	-0.86	4.2e-4	0.03	-0.92	-0.88	-0.86	-0.84	-0.81	4909	1.0
y_mean[922]	-0.33	3.3e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.28	5426	1.0
y_mean[923]	-0.41	2.9e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	4881	1.0
y_mean[924]	0.5	6.4e-4	0.04	0.41	0.47	0.5	0.52	0.58	4127	1.0
y_mean[925]	-0.14	4.6e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.08	4038	1.0
y_mean[926]	-0.11	7.0e-4	0.05	-0.2	-0.14	-0.11	-0.07	-8.9e-3	4752	1.0
y_mean[927]	0.88	5.0e-4	0.03	0.81	0.86	0.88	0.9	0.95	4736	1.0
y_mean[928]	-0.3	4.0e-4	0.03	-0.35	-0.32	-0.3	-0.28	-0.25	4926	1.0
y_mean[929]	0.43	6.3e-4	0.04	0.35	0.41	0.43	0.46	0.51	4254	1.0
y_mean[930]	0.07	5.5e-4	0.03	6.5e-3	0.05	0.07	0.1	0.14	3983	1.0
y_mean[931]	-0.26	3.8e-4	0.03	-0.31	-0.28	-0.26	-0.24	-0.2	4869	1.0
y_mean[932]	0.1	3.9e-4	0.03	0.05	0.09	0.1	0.12	0.16	5248	1.0
y_mean[933]	-0.04	3.8e-4	0.03	-0.09	-0.05	-0.04	-0.02	0.02	5050	1.0
y_mean[934]	-0.54	3.7e-4	0.03	-0.59	-0.56	-0.54	-0.52	-0.49	4735	1.0
y_mean[935]	-0.29	3.5e-4	0.02	-0.33	-0.3	-0.29	-0.27	-0.24	4373	1.0
y_mean[936]	0.16	4.1e-4	0.03	0.1	0.14	0.16	0.18	0.22	5258	1.0
y_mean[937]	-0.37	6.0e-4	0.04	-0.45	-0.4	-0.37	-0.34	-0.28	5172	1.0
y_mean[938]	-0.45	5.1e-4	0.04	-0.51	-0.47	-0.44	-0.42	-0.37	4780	1.0
y_mean[939]	-0.03	3.1e-4	0.02	-0.07	-0.04	-0.03	-0.02	0.01	4640	1.0
y_mean[940]	0.08	4.9e-4	0.03	8.0e-3	0.05	0.08	0.1	0.14	4875	1.0
y_mean[941]	0.09	3.1e-4	0.02	0.04	0.07	0.09	0.1	0.13	4987	1.0
y_mean[942]	-0.38	3.0e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	4836	1.0
y_mean[943]	-0.27	3.5e-4	0.03	-0.32	-0.29	-0.27	-0.25	-0.22	5523	1.0
y_mean[944]	-0.7	3.5e-4	0.02	-0.75	-0.72	-0.7	-0.69	-0.65	4847	1.0
y_mean[945]	0.03	5.0e-4	0.03	-0.03	0.01	0.03	0.05	0.09	3886	1.0
y_mean[946]	0.3	5.2e-4	0.04	0.23	0.28	0.3	0.33	0.38	5498	1.0
y_mean[947]	1.13	6.2e-4	0.05	1.04	1.1	1.14	1.17	1.22	5236	1.0
y_mean[948]	-0.47	4.0e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.42	4613	1.0
y_mean[949]	0.56	4.5e-4	0.03	0.5	0.53	0.55	0.57	0.62	4609	1.0
y_mean[950]	0.31	8.4e-4	0.05	0.2	0.27	0.31	0.34	0.41	4288	1.0
y_mean[951]	0.48	4.3e-4	0.03	0.42	0.46	0.48	0.5	0.54	4928	1.0
y_mean[952]	1.02	4.0e-4	0.03	0.96	1.0	1.02	1.03	1.07	4816	1.0
y_mean[953]	1.52	1.2e-3	0.07	1.37	1.47	1.52	1.57	1.66	4032	1.0
y_mean[954]	0.2	5.2e-4	0.04	0.13	0.18	0.2	0.23	0.27	5009	1.0
y_mean[955]	-0.06	5.0e-4	0.03	-0.12	-0.08	-0.06	-0.04	2.5e-3	3917	1.0
y_mean[956]	0.59	5.1e-4	0.03	0.53	0.57	0.59	0.61	0.65	4113	1.0
y_mean[957]	-0.22	4.2e-4	0.03	-0.27	-0.23	-0.22	-0.2	-0.16	4150	1.0
y_mean[958]	-0.27	4.3e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4770	1.0
y_mean[959]	0.99	5.4e-4	0.04	0.92	0.97	0.99	1.02	1.06	4645	1.0
y_mean[960]	-0.36	4.5e-4	0.03	-0.43	-0.38	-0.36	-0.34	-0.3	5175	1.0
y_mean[961]	-0.02	5.5e-4	0.04	-0.09	-0.04	-0.02	5.3e-3	0.05	4278	1.0
y_mean[962]	-0.43	3.2e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	4623	1.0
y_mean[963]	-0.88	4.8e-4	0.03	-0.95	-0.91	-0.88	-0.86	-0.82	4779	1.0
y_mean[964]	-0.33	4.6e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.26	4757	1.0
y_mean[965]	1.23	5.4e-4	0.04	1.16	1.21	1.23	1.26	1.3	4379	1.0
y_mean[966]	1.24	5.7e-4	0.04	1.17	1.22	1.24	1.27	1.32	4666	1.0
y_mean[967]	-0.82	4.9e-4	0.03	-0.89	-0.84	-0.82	-0.79	-0.75	5129	1.0
y_mean[968]	-0.98	4.2e-4	0.03	-1.03	-1.0	-0.98	-0.96	-0.92	4650	1.0

y_mean[969]	1.06	6.2e-4	0.04	0.97	1.03	1.06	1.09	1.15	5112	1.0
y_mean[970]	1.13	5.8e-4	0.04	1.05	1.1	1.13	1.16	1.21	5156	1.0
y_mean[971]	-0.15	3.7e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	4899	1.0
y_mean[972]	-0.04	3.1e-4	0.02	-0.08	-0.05	-0.04	-0.02	6.9e-3	4714	1.0
y_mean[973]	-0.48	3.1e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	5082	1.0
y_mean[974]	0.36	5.1e-4	0.04	0.29	0.34	0.36	0.38	0.43	4788	1.0
y_mean[975]	1.24	4.9e-4	0.03	1.17	1.22	1.24	1.26	1.3	4564	1.0
y_mean[976]	-0.73	3.6e-4	0.02	-0.78	-0.74	-0.73	-0.71	-0.68	4840	1.0
y_mean[977]	-1.21	6.2e-4	0.04	-1.29	-1.24	-1.21	-1.18	-1.13	4846	1.0
y_mean[978]	0.56	4.6e-4	0.03	0.49	0.53	0.56	0.58	0.62	4645	1.0
y_mean[979]	-0.29	3.3e-4	0.02	-0.33	-0.3	-0.29	-0.27	-0.24	4694	1.0
y_mean[980]	-1.21	7.4e-4	0.05	-1.31	-1.24	-1.21	-1.17	-1.1	4955	1.0
y_mean[981]	0.79	6.0e-4	0.04	0.7	0.76	0.79	0.82	0.87	5083	1.0
y_mean[982]	-0.71	3.8e-4	0.03	-0.76	-0.73	-0.71	-0.69	-0.66	4884	1.0
y_mean[983]	-0.57	3.1e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4731	1.0
y_mean[984]	-0.18	3.9e-4	0.03	-0.23	-0.2	-0.18	-0.16	-0.13	4681	1.0
y_mean[985]	1.15	8.7e-4	0.06	1.03	1.11	1.15	1.19	1.27	4747	1.0
y_mean[986]	0.9	5.8e-4	0.04	0.82	0.88	0.9	0.93	0.98	4952	1.0
y_mean[987]	-0.83	4.1e-4	0.03	-0.89	-0.85	-0.83	-0.81	-0.78	4969	1.0
y_mean[988]	4.53	2.1e-3	0.15	4.22	4.42	4.53	4.63	4.83	5154	1.0
y_mean[989]	-0.16	4.2e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	5606	1.0
y_mean[990]	2.28	8.3e-4	0.06	2.17	2.24	2.28	2.32	2.39	4563	1.0
y_mean[991]	-0.48	3.8e-4	0.03	-0.53	-0.5	-0.48	-0.46	-0.43	4696	1.0
y_mean[992]	0.08	7.0e-4	0.05	-0.01	0.05	0.08	0.12	0.18	4889	1.0
y_mean[993]	-0.52	3.0e-4	0.02	-0.56	-0.54	-0.52	-0.51	-0.48	4939	1.0
y_mean[994]	-0.59	3.1e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	4788	1.0
y_mean[995]	-0.87	4.2e-4	0.03	-0.93	-0.89	-0.87	-0.85	-0.81	4941	1.0
y_mean[996]	-0.55	3.0e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.51	4744	1.0
y_mean[997]	0.05	4.1e-4	0.03	-0.01	0.03	0.05	0.07	0.1	4967	1.0
y_mean[998]	0.73	6.3e-4	0.04	0.64	0.7	0.73	0.76	0.81	4725	1.0
y_mean[999]	2.3	8.9e-4	0.06	2.19	2.26	2.3	2.34	2.42	4609	1.0
y_mean[1000]	-0.35	3.1e-4	0.02	-0.39	-0.36	-0.35	-0.34	-0.31	4709	1.0
y_mean[1001]	-1.05	4.2e-4	0.03	-1.11	-1.07	-1.05	-1.03	-1.0	4621	1.0
y_mean[1002]	0.76	6.7e-4	0.05	0.67	0.73	0.76	0.79	0.85	4842	1.0
y_mean[1003]	-0.09	7.4e-4	0.05	-0.18	-0.12	-0.09	-0.05	0.02	4690	1.0
y_mean[1004]	5.6e-3	5.3e-4	0.04	-0.06	-0.02	4.7e-3	0.03	0.08	4663	1.0
y_mean[1005]	-0.48	5.4e-4	0.04	-0.55	-0.5	-0.47	-0.45	-0.4	4757	1.0
y_mean[1006]	0.23	3.6e-4	0.02	0.18	0.21	0.23	0.25	0.28	4532	1.0
y_mean[1007]	-0.89	4.3e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	4652	1.0
y_mean[1008]	0.62	4.6e-4	0.03	0.56	0.6	0.62	0.64	0.68	4600	1.0
y_mean[1009]	-0.12	3.6e-4	0.03	-0.17	-0.14	-0.12	-0.11	-0.07	4838	1.0
y_mean[1010]	-0.38	3.1e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	4663	1.0
y_mean[1011]	-0.22	3.9e-4	0.03	-0.27	-0.23	-0.22	-0.2	-0.16	4792	1.0
y_mean[1012]	-0.89	4.5e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	4558	1.0
y_mean[1013]	0.71	4.9e-4	0.03	0.65	0.69	0.71	0.73	0.78	4581	1.0
y_mean[1014]	-0.13	3.4e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	4796	1.0
y_mean[1015]	0.3	5.7e-4	0.04	0.22	0.27	0.3	0.33	0.38	4789	1.0
y_mean[1016]	-0.28	3.3e-4	0.02	-0.33	-0.3	-0.28	-0.26	-0.23	5346	1.0

y_mean[1017]	0.15	2.5e-4	0.02	0.12	0.14	0.15	0.16	0.18	5065	1.0
y_mean[1018]	-0.68	8.4e-4	0.06	-0.79	-0.72	-0.68	-0.64	-0.56	4993	1.0
y_mean[1019]	0.11	4.6e-4	0.03	0.05	0.09	0.12	0.14	0.18	4821	1.0
y_mean[1020]	0.87	6.6e-4	0.04	0.78	0.84	0.87	0.9	0.96	4634	1.0
y_mean[1021]	0.04	4.5e-4	0.03	-0.01	0.02	0.04	0.06	0.1	4252	1.0
y_mean[1022]	-0.54	3.0e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4886	1.0
y_mean[1023]	-0.04	3.2e-4	0.02	-0.08	-0.05	-0.04	-0.02	6.1e-3	4621	1.0
y_mean[1024]	0.6	3.9e-4	0.03	0.55	0.58	0.6	0.62	0.65	4641	1.0
y_mean[1025]	-0.65	3.3e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.6	4778	1.0
y_mean[1026]	-0.29	3.1e-4	0.02	-0.33	-0.3	-0.29	-0.27	-0.24	5013	1.0
y_mean[1027]	0.08	6.6e-4	0.04	-3.6e-3	0.05	0.08	0.11	0.16	4278	1.0
y_mean[1028]	-0.78	4.3e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.72	4900	1.0
y_mean[1029]	-0.76	4.0e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.7	4940	1.0
y_mean[1030]	-0.47	3.0e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	5014	1.0
y_mean[1031]	-0.25	4.7e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	4423	1.0
y_mean[1032]	-0.86	4.7e-4	0.03	-0.92	-0.88	-0.86	-0.84	-0.79	5104	1.0
y_mean[1033]	0.36	6.2e-4	0.04	0.29	0.34	0.36	0.39	0.44	4129	1.0
y_mean[1034]	0.55	6.2e-4	0.04	0.47	0.52	0.55	0.58	0.63	4596	1.0
y_mean[1035]	-0.23	3.5e-4	0.03	-0.28	-0.25	-0.23	-0.21	-0.18	5422	1.0
y_mean[1036]	-0.03	4.5e-4	0.03	-0.1	-0.05	-0.03	-7.4e-3	0.04	5706	1.0
y_mean[1037]	-0.05	3.8e-4	0.03	-0.1	-0.07	-0.05	-0.03	5.2e-3	5350	1.0
y_mean[1038]	-0.88	4.6e-4	0.03	-0.94	-0.9	-0.88	-0.86	-0.82	4522	1.0
y_mean[1039]	0.9	6.3e-4	0.04	0.82	0.87	0.9	0.93	0.98	4140	1.0
y_mean[1040]	0.04	6.6e-4	0.04	-0.05	6.7e-3	0.04	0.07	0.12	4646	1.0
y_mean[1041]	-0.85	4.2e-4	0.03	-0.91	-0.87	-0.85	-0.83	-0.79	4782	1.0
y_mean[1042]	0.11	4.1e-4	0.03	0.05	0.09	0.11	0.13	0.17	5354	1.0
y_mean[1043]	-0.39	3.0e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	4795	1.0
y_mean[1044]	-0.14	3.9e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	4791	1.0
y_mean[1045]	-0.45	3.0e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	4698	1.0
y_mean[1046]	-0.6	3.2e-4	0.02	-0.65	-0.62	-0.6	-0.59	-0.56	4743	1.0
y_mean[1047]	-0.29	3.3e-4	0.02	-0.34	-0.31	-0.29	-0.28	-0.25	5323	1.0
y_mean[1048]	-0.54	3.1e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	5001	1.0
y_mean[1049]	-0.98	9.3e-4	0.07	-1.11	-1.03	-0.98	-0.94	-0.85	5038	1.0
y_mean[1050]	-0.46	6.1e-4	0.04	-0.54	-0.49	-0.46	-0.43	-0.38	4719	1.0
y_mean[1051]	0.52	4.6e-4	0.03	0.45	0.49	0.51	0.54	0.58	4575	1.0
y_mean[1052]	-0.2	3.7e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	4688	1.0
y_mean[1053]	-0.43	3.7e-4	0.03	-0.48	-0.45	-0.43	-0.42	-0.38	4833	1.0
y_mean[1054]	0.19	3.2e-4	0.02	0.14	0.17	0.19	0.2	0.23	4628	1.0
y_mean[1055]	0.97	6.0e-4	0.04	0.9	0.95	0.97	1.0	1.05	4506	1.0
y_mean[1056]	0.79	6.5e-4	0.04	0.7	0.76	0.79	0.82	0.88	4672	1.0
y_mean[1057]	-0.5	3.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	4690	1.0
y_mean[1058]	-0.71	3.5e-4	0.02	-0.76	-0.73	-0.71	-0.7	-0.66	4853	1.0
y_mean[1059]	0.06	3.0e-4	0.02	0.03	0.05	0.06	0.08	0.11	4640	1.0
y_mean[1060]	-0.33	3.4e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.28	4614	1.0
y_mean[1061]	0.08	3.6e-4	0.02	0.03	0.07	0.08	0.1	0.13	4687	1.0
y_mean[1062]	0.35	2.8e-4	0.02	0.31	0.34	0.35	0.37	0.39	4774	1.0
y_mean[1063]	-0.59	3.2e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	4728	1.0
y_mean[1064]	-0.03	4.6e-4	0.03	-0.09	-0.06	-0.03	-0.01	0.03	4771	1.0

y_mean[1065]	-0.37	3.1e-4	0.02	-0.41	-0.38	-0.37	-0.36	-0.33	4742	1.0
y_mean[1066]	0.81	6.2e-4	0.05	0.72	0.78	0.81	0.84	0.9	5249	1.0
y_mean[1067]	0.42	4.6e-4	0.03	0.35	0.39	0.42	0.44	0.48	5493	1.0
y_mean[1068]	-0.02	4.8e-4	0.03	-0.07	-0.04	-0.01	5.3e-3	0.04	4034	1.0
y_mean[1069]	-0.72	4.6e-4	0.03	-0.78	-0.74	-0.72	-0.7	-0.66	4818	1.0
y_mean[1070]	-0.8	3.9e-4	0.03	-0.85	-0.82	-0.8	-0.78	-0.75	4922	1.0
y_mean[1071]	-0.64	3.4e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4910	1.0
y_mean[1072]	-0.32	5.9e-4	0.04	-0.4	-0.35	-0.32	-0.29	-0.24	4795	1.0
y_mean[1073]	-0.56	3.0e-4	0.02	-0.6	-0.57	-0.56	-0.55	-0.52	4783	1.0
y_mean[1074]	-0.1	4.0e-4	0.03	-0.15	-0.12	-0.1	-0.08	-0.05	4389	1.0
y_mean[1075]	-0.24	3.7e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.19	4892	1.0
y_mean[1076]	-0.64	3.4e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4895	1.0
y_mean[1077]	-0.49	5.4e-4	0.04	-0.56	-0.51	-0.49	-0.46	-0.41	5062	1.0
y_mean[1078]	-0.72	3.5e-4	0.02	-0.77	-0.74	-0.72	-0.7	-0.67	4841	1.0
y_mean[1079]	0.29	4.1e-4	0.03	0.23	0.27	0.29	0.31	0.34	4590	1.0
y_mean[1080]	-0.06	4.0e-4	0.03	-0.12	-0.08	-0.06	-0.05	-9.3e-3	4992	1.0
y_mean[1081]	0.51	5.1e-4	0.03	0.45	0.49	0.51	0.53	0.57	4149	1.0
y_mean[1082]	1.52	6.8e-4	0.05	1.43	1.49	1.52	1.55	1.61	4439	1.0
y_mean[1083]	-0.66	7.7e-4	0.06	-0.77	-0.7	-0.67	-0.63	-0.55	5196	1.0
y_mean[1084]	0.81	1.1e-3	0.07	0.67	0.76	0.81	0.86	0.95	4817	1.0
y_mean[1085]	-0.36	5.1e-4	0.03	-0.43	-0.38	-0.36	-0.34	-0.29	4739	1.0
y_mean[1086]	-0.63	4.9e-4	0.04	-0.7	-0.66	-0.63	-0.61	-0.56	5363	1.0
y_mean[1087]	0.9	5.0e-4	0.03	0.83	0.87	0.9	0.92	0.96	4756	1.0
y_mean[1088]	-0.24	4.3e-4	0.03	-0.3	-0.27	-0.24	-0.22	-0.18	5161	1.0
y_mean[1089]	-0.02	8.2e-4	0.06	-0.12	-0.05	-0.02	0.02	0.09	4734	1.0
y_mean[1090]	-0.01	3.2e-4	0.02	-0.05	-0.03	-0.01	3.6e-3	0.03	4648	1.0
y_mean[1091]	-0.35	3.1e-4	0.02	-0.39	-0.37	-0.35	-0.34	-0.31	4688	1.0
y_mean[1092]	-0.6	3.1e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.56	4855	1.0
y_mean[1093]	0.96	7.1e-4	0.05	0.86	0.93	0.96	0.99	1.05	4609	1.0
y_mean[1094]	0.33	2.9e-4	0.02	0.29	0.31	0.33	0.34	0.36	4211	1.0
y_mean[1095]	0.31	4.1e-4	0.03	0.25	0.29	0.31	0.33	0.36	4733	1.0
y_mean[1096]	0.58	5.7e-4	0.04	0.5	0.56	0.58	0.61	0.66	5051	1.0
y_mean[1097]	0.31	4.7e-4	0.03	0.25	0.29	0.31	0.33	0.38	4747	1.0
y_mean[1098]	-1.0	6.4e-4	0.04	-1.09	-1.03	-1.0	-0.97	-0.91	4732	1.0
y_mean[1099]	0.97	6.1e-4	0.04	0.89	0.94	0.97	0.99	1.05	4510	1.0
y_mean[1100]	-0.13	3.3e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	4801	1.0
y_mean[1101]	0.71	6.4e-4	0.04	0.63	0.69	0.71	0.74	0.79	4089	1.0
y_mean[1102]	0.29	3.7e-4	0.03	0.24	0.28	0.29	0.31	0.35	5135	1.0
y_mean[1103]	2.39	1.1e-3	0.08	2.23	2.34	2.39	2.44	2.53	4466	1.0
y_mean[1104]	0.17	2.7e-4	0.02	0.13	0.16	0.17	0.19	0.21	4839	1.0
y_mean[1105]	-0.46	2.8e-4	0.02	-0.5	-0.47	-0.46	-0.45	-0.42	4924	1.0
y_mean[1106]	-1.1	4.3e-4	0.03	-1.15	-1.11	-1.1	-1.08	-1.04	4681	1.0
y_mean[1107]	-0.14	3.4e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	4838	1.0
y_mean[1108]	-0.47	3.0e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	4952	1.0
y_mean[1109]	1.44	8.5e-4	0.06	1.33	1.41	1.45	1.48	1.56	4730	1.0
y_mean[1110]	1.03	6.2e-4	0.04	0.95	1.01	1.03	1.06	1.12	4503	1.0
y_mean[1111]	1.26	7.0e-4	0.05	1.16	1.22	1.25	1.29	1.35	4593	1.0
y_mean[1112]	-0.51	3.0e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.47	5030	1.0

y_mean[1113]	-0.4	2.9e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	4702	1.0
y_mean[1114]	-0.53	3.0e-4	0.02	-0.57	-0.55	-0.53	-0.52	-0.49	4717	1.0
y_mean[1115]	-0.04	4.0e-4	0.03	-0.09	-0.06	-0.04	-0.02	9.0e-3	4084	1.0
y_mean[1116]	-0.21	4.9e-4	0.03	-0.28	-0.23	-0.21	-0.19	-0.15	4100	1.0
y_mean[1117]	-0.05	3.1e-4	0.02	-0.09	-0.07	-0.05	-0.04	-8.6e-3	4728	1.0
y_mean[1118]	-0.25	3.4e-4	0.02	-0.29	-0.26	-0.25	-0.23	-0.2	4401	1.0
y_mean[1119]	-0.22	4.8e-4	0.04	-0.29	-0.25	-0.22	-0.19	-0.15	5847	1.0
y_mean[1120]	0.07	5.5e-4	0.03	-4.0e-4	0.05	0.07	0.09	0.14	4026	1.0
y_mean[1121]	-1.05	4.2e-4	0.03	-1.11	-1.07	-1.05	-1.03	-1.0	4627	1.0
y_mean[1122]	1.1	7.1e-4	0.05	1.01	1.07	1.1	1.13	1.19	4480	1.0
y_mean[1123]	-0.45	3.4e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	4628	1.0
y_mean[1124]	0.55	6.7e-4	0.04	0.46	0.52	0.55	0.57	0.63	4171	1.0
y_mean[1125]	0.52	6.0e-4	0.04	0.44	0.5	0.52	0.55	0.59	4145	1.0
y_mean[1126]	1.34	6.7e-4	0.05	1.25	1.31	1.34	1.37	1.43	4483	1.0
y_mean[1127]	0.12	4.6e-4	0.03	0.06	0.1	0.12	0.14	0.18	4672	1.0
y_mean[1128]	-0.6	3.4e-4	0.02	-0.65	-0.61	-0.6	-0.58	-0.55	5013	1.0
y_mean[1129]	0.89	5.6e-4	0.04	0.8	0.86	0.89	0.91	0.96	5132	1.0
y_mean[1130]	-0.61	3.5e-4	0.02	-0.66	-0.62	-0.61	-0.59	-0.56	5043	1.0
y_mean[1131]	-0.74	3.6e-4	0.03	-0.79	-0.76	-0.74	-0.72	-0.69	4844	1.0
y_mean[1132]	-0.24	3.5e-4	0.02	-0.29	-0.26	-0.24	-0.22	-0.19	4566	1.0
y_mean[1133]	-0.64	3.2e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4820	1.0
y_mean[1134]	0.37	2.8e-4	0.02	0.33	0.35	0.37	0.38	0.4	4654	1.0
y_mean[1135]	-0.78	4.3e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.72	4861	1.0
y_mean[1136]	0.26	3.5e-4	0.02	0.21	0.24	0.26	0.27	0.3	4620	1.0
y_mean[1137]	1.3	7.5e-4	0.05	1.19	1.26	1.3	1.34	1.41	5274	1.0
y_mean[1138]	-0.77	4.1e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	4858	1.0
y_mean[1139]	0.08	3.7e-4	0.03	0.03	0.06	0.08	0.1	0.13	4705	1.0
y_mean[1140]	-0.08	3.2e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4896	1.0
y_mean[1141]	-0.25	4.7e-4	0.03	-0.31	-0.27	-0.25	-0.22	-0.18	4558	1.0
y_mean[1142]	0.34	5.0e-4	0.03	0.27	0.32	0.34	0.36	0.41	4930	1.0
y_mean[1143]	7.8e-3	3.4e-4	0.02	-0.04	-8.5e-3	7.5e-3	0.02	0.06	5320	1.0
y_mean[1144]	-0.57	4.9e-4	0.03	-0.64	-0.6	-0.57	-0.55	-0.51	4928	1.0
y_mean[1145]	-0.55	6.3e-4	0.04	-0.64	-0.58	-0.55	-0.52	-0.46	4763	1.0
y_mean[1146]	0.45	4.6e-4	0.03	0.39	0.43	0.45	0.47	0.51	4636	1.0
y_mean[1147]	1.38	9.4e-4	0.06	1.25	1.34	1.38	1.42	1.49	4160	1.0
y_mean[1148]	-0.49	2.9e-4	0.02	-0.53	-0.51	-0.5	-0.48	-0.45	4856	1.0
y_mean[1149]	0.14	2.7e-4	0.02	0.11	0.13	0.14	0.16	0.18	4748	1.0
y_mean[1150]	-0.03	4.5e-4	0.03	-0.09	-0.05	-0.03	-0.01	0.02	4202	1.0
y_mean[1151]	-0.44	3.6e-4	0.02	-0.49	-0.46	-0.44	-0.42	-0.39	4631	1.0
y_mean[1152]	-0.38	3.0e-4	0.02	-0.42	-0.39	-0.38	-0.37	-0.34	5139	1.0
y_mean[1153]	-0.15	3.7e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	5325	1.0
y_mean[1154]	-1.13	6.4e-4	0.04	-1.22	-1.16	-1.13	-1.1	-1.04	4824	1.0
y_mean[1155]	-0.19	4.8e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3990	1.0
y_mean[1156]	-0.19	3.9e-4	0.02	-0.24	-0.21	-0.19	-0.17	-0.14	4105	1.0
y_mean[1157]	-0.57	3.0e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4796	1.0
y_mean[1158]	-0.43	3.9e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.38	4660	1.0
y_mean[1159]	0.43	4.5e-4	0.03	0.37	0.41	0.43	0.45	0.49	4648	1.0
y_mean[1160]	0.6	4.4e-4	0.03	0.54	0.58	0.59	0.61	0.65	4545	1.0

y_mean[1161]	0.07	6.2e-4	0.04	-0.01	0.04	0.07	0.1	0.15	4236	1.0
y_mean[1162]	-1.03	4.3e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.97	4877	1.0
y_mean[1163]	-1.01	4.5e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.94	4822	1.0
y_mean[1164]	-0.26	4.7e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	4116	1.0
y_mean[1165]	0.7	5.5e-4	0.04	0.62	0.67	0.7	0.72	0.78	5048	1.0
y_mean[1166]	-0.71	3.5e-4	0.02	-0.76	-0.73	-0.71	-0.69	-0.66	4860	1.0
y_mean[1167]	-0.31	5.6e-4	0.04	-0.39	-0.34	-0.31	-0.29	-0.24	4776	1.0
y_mean[1168]	-0.84	4.2e-4	0.03	-0.9	-0.86	-0.84	-0.82	-0.78	4847	1.0
y_mean[1169]	-0.58	5.3e-4	0.04	-0.65	-0.6	-0.58	-0.55	-0.5	4978	1.0
y_mean[1170]	-0.27	4.7e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4775	1.0
y_mean[1171]	8.3e-4	7.4e-4	0.05	-0.1	-0.03	1.3e-3	0.04	0.1	4764	1.0
y_mean[1172]	-0.93	4.4e-4	0.03	-0.99	-0.95	-0.93	-0.91	-0.87	4527	1.0
y_mean[1173]	-0.3	4.4e-4	0.03	-0.36	-0.32	-0.3	-0.28	-0.24	4768	1.0
y_mean[1174]	0.38	4.1e-4	0.03	0.33	0.36	0.38	0.4	0.43	4656	1.0
y_mean[1175]	-0.44	3.4e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	4621	1.0
y_mean[1176]	-0.45	3.5e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.4	4683	1.0
y_mean[1177]	0.78	6.1e-4	0.04	0.71	0.76	0.79	0.81	0.86	4351	1.0
y_mean[1178]	-0.94	8.7e-4	0.06	-1.05	-0.98	-0.94	-0.9	-0.83	4368	1.0
y_mean[1179]	0.4	4.8e-4	0.03	0.33	0.38	0.4	0.43	0.47	5032	1.0
y_mean[1180]	-0.42	2.9e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	4759	1.0
y_mean[1181]	-0.56	3.2e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	5013	1.0
y_mean[1182]	-0.04	4.2e-4	0.03	-0.09	-0.06	-0.04	-0.02	0.01	4016	1.0
y_mean[1183]	1.76	9.0e-4	0.06	1.63	1.72	1.76	1.8	1.88	4626	1.0
y_mean[1184]	-0.39	3.0e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	5111	1.0
y_mean[1185]	-0.18	4.7e-4	0.03	-0.25	-0.21	-0.19	-0.16	-0.12	4606	1.0
y_mean[1186]	-0.2	3.5e-4	0.02	-0.25	-0.22	-0.2	-0.19	-0.16	4915	1.0
y_mean[1187]	-0.02	3.1e-4	0.02	-0.06	-0.03	-0.02	-3.2e-3	0.03	5300	1.0
y_mean[1188]	-0.24	4.4e-4	0.03	-0.3	-0.26	-0.25	-0.22	-0.18	4782	1.0
y_mean[1189]	-1.12	4.3e-4	0.03	-1.18	-1.14	-1.12	-1.1	-1.06	4692	1.0
y_mean[1190]	-0.34	4.2e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	5059	1.0
y_mean[1191]	-0.98	4.1e-4	0.03	-1.03	-1.0	-0.98	-0.96	-0.92	4775	1.0
y_mean[1192]	-0.59	3.1e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.55	4761	1.0
y_mean[1193]	0.28	4.9e-4	0.03	0.21	0.26	0.28	0.3	0.34	4679	1.0
y_mean[1194]	0.26	6.1e-4	0.04	0.17	0.23	0.26	0.29	0.35	5199	1.0
y_mean[1195]	-1.42	6.6e-4	0.04	-1.51	-1.45	-1.42	-1.39	-1.33	4511	1.0
y_mean[1196]	0.62	4.6e-4	0.03	0.56	0.6	0.62	0.64	0.68	4600	1.0
y_mean[1197]	-4.9e-3	3.1e-4	0.02	-0.05	-0.02	-5.5e-3	9.1e-3	0.04	4687	1.0
y_mean[1198]	2.08	1.1e-3	0.07	1.94	2.03	2.08	2.13	2.21	4212	1.0
y_mean[1199]	-0.61	3.2e-4	0.02	-0.65	-0.62	-0.61	-0.6	-0.57	4747	1.0
y_mean[1200]	-0.14	3.4e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.09	4804	1.0
y_mean[1201]	0.7	7.0e-4	0.05	0.6	0.67	0.7	0.74	0.81	5666	1.0
y_mean[1202]	-0.55	3.2e-4	0.02	-0.6	-0.57	-0.55	-0.54	-0.51	5009	1.0
y_mean[1203]	-0.31	2.9e-4	0.02	-0.35	-0.32	-0.31	-0.29	-0.26	5263	1.0
y_mean[1204]	-0.51	2.9e-4	0.02	-0.54	-0.52	-0.51	-0.49	-0.46	4769	1.0
y_mean[1205]	-0.25	3.4e-4	0.03	-0.3	-0.27	-0.25	-0.24	-0.2	5516	1.0
y_mean[1206]	-1.05	4.2e-4	0.03	-1.1	-1.07	-1.05	-1.03	-0.99	4809	1.0
y_mean[1207]	3.15	1.1e-3	0.08	3.0	3.1	3.15	3.2	3.3	4421	1.0
y_mean[1208]	0.07	3.5e-4	0.02	0.02	0.05	0.07	0.09	0.12	4894	1.0

y_mean[1209]	-0.57	3.1e-4	0.02	-0.61	-0.58	-0.57	-0.56	-0.53	4750	1.0
y_mean[1210]	0.87	6.2e-4	0.04	0.79	0.84	0.87	0.9	0.95	4589	1.0
y_mean[1211]	-0.26	3.9e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	5307	1.0
y_mean[1212]	-0.72	3.6e-4	0.02	-0.77	-0.74	-0.72	-0.71	-0.67	4850	1.0
y_mean[1213]	0.01	6.1e-4	0.04	-0.07	-0.01	0.01	0.04	0.09	4300	1.0
y_mean[1214]	-0.15	4.0e-4	0.03	-0.21	-0.17	-0.15	-0.14	-0.1	4096	1.0
y_mean[1215]	0.39	4.9e-4	0.03	0.32	0.36	0.38	0.41	0.45	4282	1.0
y_mean[1216]	1.32	5.6e-4	0.04	1.25	1.3	1.32	1.35	1.39	4421	1.0
y_mean[1217]	-0.46	2.8e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.43	4963	1.0
y_mean[1218]	1.01	6.2e-4	0.04	0.93	0.98	1.01	1.04	1.09	4562	1.0
y_mean[1219]	-0.77	4.4e-4	0.03	-0.83	-0.79	-0.77	-0.74	-0.71	5035	1.0
y_mean[1220]	0.17	3.2e-4	0.02	0.13	0.16	0.17	0.19	0.22	4651	1.0
y_mean[1221]	-0.16	3.4e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	4819	1.0
y_mean[1222]	0.77	5.2e-4	0.04	0.7	0.74	0.77	0.79	0.84	4571	1.0
y_mean[1223]	0.68	4.4e-4	0.03	0.62	0.66	0.68	0.7	0.74	4532	1.0
y_mean[1224]	-0.26	3.9e-4	0.03	-0.31	-0.28	-0.26	-0.24	-0.21	4195	1.0
y_mean[1225]	-0.26	3.0e-4	0.02	-0.3	-0.27	-0.26	-0.24	-0.22	4528	1.0
y_mean[1226]	-0.39	4.5e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	4682	1.0
y_mean[1227]	-0.56	5.0e-4	0.04	-0.63	-0.59	-0.56	-0.54	-0.49	5199	1.0
y_mean[1228]	-0.63	3.7e-4	0.03	-0.68	-0.65	-0.63	-0.61	-0.58	5050	1.0
y_mean[1229]	-0.24	4.5e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.19	4300	1.0
y_mean[1230]	1.82	8.9e-4	0.06	1.69	1.78	1.82	1.86	1.94	5016	1.0
y_mean[1231]	0.4	4.5e-4	0.03	0.34	0.38	0.4	0.42	0.46	4658	1.0
y_mean[1232]	-0.9	4.9e-4	0.03	-0.97	-0.93	-0.9	-0.88	-0.83	4776	1.0
y_mean[1233]	-0.43	2.9e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	4885	1.0
y_mean[1234]	-0.32	4.8e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.25	4887	1.0
y_mean[1235]	-0.37	3.0e-4	0.02	-0.41	-0.39	-0.37	-0.36	-0.33	5016	1.0
y_mean[1236]	0.31	3.7e-4	0.02	0.26	0.29	0.31	0.32	0.35	4422	1.0
y_mean[1237]	-0.92	4.2e-4	0.03	-0.98	-0.94	-0.92	-0.9	-0.87	4872	1.0
y_mean[1238]	0.61	7.1e-4	0.05	0.52	0.58	0.61	0.65	0.71	4944	1.0
y_mean[1239]	0.09	4.3e-4	0.03	0.03	0.07	0.09	0.11	0.15	4808	1.0
y_mean[1240]	0.1	4.8e-4	0.03	0.04	0.08	0.1	0.12	0.16	4225	1.0
y_mean[1241]	-0.73	3.6e-4	0.03	-0.78	-0.75	-0.73	-0.72	-0.68	4864	1.0
y_mean[1242]	-0.1	4.1e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	4945	1.0
y_mean[1243]	-0.17	3.6e-4	0.02	-0.22	-0.19	-0.17	-0.16	-0.12	4820	1.0
y_mean[1244]	0.36	4.6e-4	0.03	0.3	0.34	0.36	0.38	0.42	4601	1.0
y_mean[1245]	0.68	7.5e-4	0.05	0.58	0.65	0.68	0.71	0.78	4388	1.0
y_mean[1246]	-0.35	3.4e-4	0.02	-0.39	-0.37	-0.35	-0.33	-0.3	4610	1.0
y_mean[1247]	0.12	3.4e-4	0.03	0.07	0.1	0.12	0.13	0.17	5297	1.0
y_mean[1248]	-0.58	5.5e-4	0.04	-0.65	-0.6	-0.58	-0.56	-0.51	4228	1.0
y_mean[1249]	-0.19	3.9e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	4955	1.0
y_mean[1250]	0.58	6.0e-4	0.04	0.5	0.56	0.58	0.61	0.66	4678	1.0
y_mean[1251]	-0.48	2.9e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4771	1.0
y_mean[1252]	0.06	6.1e-4	0.04	-0.02	0.03	0.06	0.09	0.15	5258	1.0
y_mean[1253]	-0.18	4.4e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.13	4053	1.0
y_mean[1254]	0.59	5.6e-4	0.04	0.52	0.56	0.59	0.62	0.66	4629	1.0
y_mean[1255]	-0.56	3.3e-4	0.02	-0.61	-0.58	-0.56	-0.54	-0.51	5047	1.0
y_mean[1256]	-0.21	3.8e-4	0.03	-0.26	-0.23	-0.21	-0.2	-0.16	4798	1.0

y_mean[1257]	-0.33	4.1e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	5011	1.0
y_mean[1258]	0.86	6.5e-4	0.04	0.78	0.83	0.86	0.89	0.95	4632	1.0
y_mean[1259]	0.18	3.4e-4	0.02	0.13	0.16	0.18	0.19	0.22	4587	1.0
y_mean[1260]	-0.54	3.0e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.5	4810	1.0
y_mean[1261]	0.54	4.3e-4	0.03	0.48	0.52	0.54	0.56	0.6	4887	1.0
y_mean[1262]	-0.36	4.9e-4	0.04	-0.43	-0.39	-0.36	-0.34	-0.29	5567	1.0
y_mean[1263]	-0.81	4.4e-4	0.03	-0.87	-0.83	-0.81	-0.79	-0.75	4828	1.0
y_mean[1264]	-0.29	4.0e-4	0.03	-0.34	-0.31	-0.29	-0.27	-0.23	5047	1.0
y_mean[1265]	-1.32	6.3e-4	0.04	-1.4	-1.35	-1.32	-1.29	-1.24	4576	1.0
y_mean[1266]	0.19	2.6e-4	0.02	0.15	0.18	0.19	0.2	0.23	5084	1.0
y_mean[1267]	-1.21	4.5e-4	0.03	-1.27	-1.23	-1.21	-1.19	-1.15	4718	1.0
y_mean[1268]	-0.23	4.1e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.18	4498	1.0
y_mean[1269]	0.93	7.1e-4	0.05	0.83	0.9	0.93	0.96	1.03	5282	1.0
y_mean[1270]	0.96	6.3e-4	0.04	0.87	0.93	0.96	0.99	1.04	4593	1.0
y_mean[1271]	-0.12	3.5e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	4998	1.0
y_mean[1272]	-0.77	4.2e-4	0.03	-0.82	-0.79	-0.77	-0.75	-0.71	4865	1.0
y_mean[1273]	2.2	9.4e-4	0.07	2.07	2.15	2.2	2.24	2.33	4977	1.0
y_mean[1274]	0.3	4.0e-4	0.03	0.25	0.28	0.3	0.32	0.36	4660	1.0
y_mean[1275]	-0.17	3.2e-4	0.02	-0.21	-0.18	-0.17	-0.15	-0.13	4418	1.0
y_mean[1276]	0.52	4.6e-4	0.03	0.46	0.5	0.52	0.54	0.58	4802	1.0
y_mean[1277]	-0.52	3.9e-4	0.03	-0.57	-0.54	-0.52	-0.5	-0.46	5332	1.0
y_mean[1278]	0.5	4.4e-4	0.03	0.43	0.48	0.5	0.52	0.56	5223	1.0
y_mean[1279]	1.01	7.8e-4	0.05	0.91	0.97	1.01	1.05	1.11	4624	1.0
y_mean[1280]	1.85	8.9e-4	0.06	1.74	1.81	1.85	1.89	1.97	4536	1.0
y_mean[1281]	-0.16	3.4e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	4816	1.0
y_mean[1282]	0.75	4.6e-4	0.03	0.69	0.73	0.75	0.77	0.81	4622	1.0
y_mean[1283]	0.55	6.9e-4	0.05	0.45	0.51	0.55	0.58	0.64	4645	1.0
y_mean[1284]	0.45	7.8e-4	0.05	0.35	0.41	0.45	0.49	0.55	4857	1.0
y_mean[1285]	0.15	5.2e-4	0.03	0.09	0.13	0.15	0.18	0.22	4036	1.0
y_mean[1286]	0.68	7.6e-4	0.05	0.58	0.64	0.68	0.71	0.78	4368	1.0
y_mean[1287]	-0.25	3.3e-4	0.02	-0.3	-0.27	-0.25	-0.24	-0.2	5346	1.0
y_mean[1288]	0.85	5.1e-4	0.03	0.79	0.83	0.85	0.88	0.92	4562	1.0
y_mean[1289]	-0.52	3.5e-4	0.03	-0.57	-0.53	-0.52	-0.5	-0.47	5218	1.0
y_mean[1290]	-1.05	4.3e-4	0.03	-1.11	-1.07	-1.05	-1.03	-1.0	4612	1.0
y_mean[1291]	-0.19	3.5e-4	0.02	-0.23	-0.2	-0.19	-0.17	-0.14	5112	1.0
y_mean[1292]	-0.36	3.2e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.31	4570	1.0
y_mean[1293]	-0.43	2.9e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.39	4854	1.0
y_mean[1294]	0.78	5.3e-4	0.04	0.71	0.76	0.78	0.81	0.86	4568	1.0
y_mean[1295]	-0.44	2.9e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.4	4913	1.0
y_mean[1296]	0.2	3.5e-4	0.02	0.16	0.19	0.2	0.22	0.25	4584	1.0
y_mean[1297]	0.43	6.2e-4	0.04	0.35	0.4	0.43	0.45	0.51	4225	1.0
y_mean[1298]	0.57	4.5e-4	0.03	0.51	0.55	0.57	0.59	0.63	4596	1.0
y_mean[1299]	2.92	1.0e-3	0.07	2.79	2.88	2.92	2.97	3.06	4498	1.0
y_mean[1300]	0.9	6.2e-4	0.04	0.81	0.87	0.9	0.93	0.99	5202	1.0
y_mean[1301]	-0.36	4.6e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.3	4781	1.0
y_mean[1302]	-0.23	4.1e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.18	4498	1.0
y_mean[1303]	-0.26	4.3e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	4772	1.0
y_mean[1304]	-0.33	3.0e-4	0.02	-0.37	-0.35	-0.33	-0.32	-0.29	4582	1.0

y_mean[1305]	-0.84	4.3e-4	0.03	-0.9	-0.86	-0.84	-0.82	-0.78	5095	1.0
y_mean[1306]	-0.18	3.7e-4	0.03	-0.23	-0.19	-0.18	-0.16	-0.12	4980	1.0
y_mean[1307]	0.24	5.4e-4	0.03	0.18	0.22	0.24	0.27	0.31	4145	1.0
y_mean[1308]	-0.67	4.9e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.6	4544	1.0
y_mean[1309]	-0.1	3.5e-4	0.02	-0.15	-0.12	-0.1	-0.08	-0.05	5074	1.0
y_mean[1310]	-0.14	3.4e-4	0.02	-0.19	-0.16	-0.14	-0.12	-0.09	4810	1.0
y_mean[1311]	-0.31	5.1e-4	0.03	-0.37	-0.33	-0.31	-0.28	-0.24	4271	1.0
y_mean[1312]	-0.22	5.2e-4	0.03	-0.28	-0.24	-0.22	-0.19	-0.15	4240	1.0
y_mean[1313]	0.2	3.8e-4	0.03	0.15	0.18	0.2	0.22	0.26	5164	1.0
y_mean[1314]	0.06	5.4e-4	0.04	-0.01	0.04	0.06	0.09	0.14	4699	1.0
y_mean[1315]	-0.76	3.7e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.71	4856	1.0
y_mean[1316]	-0.68	4.6e-4	0.03	-0.75	-0.71	-0.68	-0.66	-0.62	5183	1.0
y_mean[1317]	-0.39	4.6e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.32	5169	1.0
y_mean[1318]	-0.28	3.2e-4	0.02	-0.32	-0.29	-0.28	-0.26	-0.23	4979	1.0
y_mean[1319]	2.69	1.0e-3	0.07	2.56	2.64	2.69	2.74	2.83	4585	1.0
y_mean[1320]	0.26	3.9e-4	0.03	0.21	0.25	0.26	0.28	0.31	4574	1.0
y_mean[1321]	-0.12	4.2e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.06	4301	1.0
y_mean[1322]	0.67	5.9e-4	0.04	0.59	0.64	0.67	0.7	0.75	4995	1.0
y_mean[1323]	-0.18	3.7e-4	0.03	-0.23	-0.19	-0.18	-0.16	-0.13	4886	1.0
y_mean[1324]	-0.02	5.5e-4	0.04	-0.09	-0.04	-0.02	5.0e-3	0.05	4149	1.0
y_mean[1325]	0.04	5.2e-4	0.03	-0.03	0.01	0.04	0.06	0.1	3908	1.0
y_mean[1326]	-0.52	3.9e-4	0.03	-0.58	-0.54	-0.53	-0.51	-0.47	5320	1.0
y_mean[1327]	-0.13	4.3e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.07	4669	1.0
y_mean[1328]	-0.12	3.3e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.07	5327	1.0
y_mean[1329]	0.77	5.5e-4	0.04	0.7	0.75	0.77	0.8	0.84	4311	1.0
y_mean[1330]	0.56	4.5e-4	0.03	0.5	0.54	0.56	0.58	0.63	4617	1.0
y_mean[1331]	-0.06	7.1e-4	0.05	-0.16	-0.1	-0.06	-0.03	0.03	4752	1.0
y_mean[1332]	-0.47	3.6e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.42	4699	1.0
y_mean[1333]	1.54	8.3e-4	0.06	1.43	1.5	1.54	1.58	1.65	4534	1.0
y_mean[1334]	-0.12	4.2e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.06	5060	1.0
y_mean[1335]	-0.24	4.3e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.19	4708	1.0
y_mean[1336]	0.51	4.7e-4	0.03	0.44	0.49	0.51	0.53	0.56	4199	1.0
y_mean[1337]	-0.66	3.4e-4	0.02	-0.71	-0.68	-0.66	-0.65	-0.62	4799	1.0
y_mean[1338]	0.23	3.3e-4	0.02	0.19	0.22	0.23	0.25	0.28	4650	1.0
y_mean[1339]	-0.12	4.5e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.06	4189	1.0
y_mean[1340]	-0.56	5.1e-4	0.04	-0.63	-0.59	-0.56	-0.54	-0.49	4926	1.0
y_mean[1341]	-0.22	4.4e-4	0.03	-0.28	-0.24	-0.22	-0.19	-0.16	4906	1.0
y_mean[1342]	0.07	5.8e-4	0.04	-1.4e-3	0.05	0.07	0.1	0.15	4289	1.0
y_mean[1343]	-0.65	3.3e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.6	4790	1.0
y_mean[1344]	-0.16	4.0e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	5696	1.0
y_mean[1345]	-0.33	3.8e-4	0.03	-0.38	-0.35	-0.33	-0.32	-0.28	4396	1.0
y_mean[1346]	-1.13	4.3e-4	0.03	-1.19	-1.15	-1.13	-1.11	-1.07	4741	1.0
y_mean[1347]	-0.6	3.2e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	4872	1.0
y_mean[1348]	0.65	4.6e-4	0.03	0.59	0.63	0.65	0.67	0.71	4567	1.0
y_mean[1349]	0.1	3.9e-4	0.03	0.04	0.08	0.1	0.12	0.15	5311	1.0
y_mean[1350]	0.19	3.5e-4	0.02	0.15	0.18	0.19	0.21	0.24	4585	1.0
y_mean[1351]	0.44	5.8e-4	0.04	0.36	0.42	0.44	0.46	0.51	4220	1.0
y_mean[1352]	0.4	5.0e-4	0.03	0.33	0.37	0.4	0.42	0.46	4619	1.0

y_mean[1353]	-1.03	4.7e-4	0.03	-1.1	-1.05	-1.03	-1.01	-0.97	4596	1.0
y_mean[1354]	-0.65	3.7e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	5021	1.0
y_mean[1355]	-1.44	6.5e-4	0.04	-1.53	-1.47	-1.44	-1.41	-1.35	4510	1.0
y_mean[1356]	-0.01	5.6e-4	0.04	-0.08	-0.04	-0.01	0.01	0.06	4029	1.0
y_mean[1357]	-0.64	3.3e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4874	1.0
y_mean[1358]	-0.05	3.1e-4	0.02	-0.09	-0.07	-0.05	-0.04	-8.6e-3	4728	1.0
y_mean[1359]	0.05	3.4e-4	0.02	-1.5e-3	0.03	0.05	0.06	0.09	5035	1.0
y_mean[1360]	-0.03	7.6e-4	0.06	-0.14	-0.07	-0.03	2.7e-3	0.07	5213	1.0
y_mean[1361]	1.4	7.0e-4	0.05	1.31	1.37	1.4	1.43	1.49	4481	1.0
y_mean[1362]	-0.97	4.3e-4	0.03	-1.03	-0.99	-0.97	-0.95	-0.92	4590	1.0
y_mean[1363]	-0.11	7.2e-4	0.05	-0.2	-0.14	-0.11	-0.08	-0.02	4263	1.0
y_mean[1364]	-0.04	3.2e-4	0.02	-0.08	-0.06	-0.04	-0.02	6.7e-3	5157	1.0
y_mean[1365]	-0.24	3.5e-4	0.02	-0.28	-0.25	-0.24	-0.22	-0.19	4706	1.0
y_mean[1366]	-1.13	4.3e-4	0.03	-1.18	-1.15	-1.13	-1.11	-1.07	4690	1.0
y_mean[1367]	-0.69	3.4e-4	0.02	-0.74	-0.71	-0.69	-0.68	-0.64	4813	1.0
y_mean[1368]	-0.51	5.6e-4	0.04	-0.59	-0.54	-0.51	-0.49	-0.44	4763	1.0
y_mean[1369]	0.61	4.4e-4	0.03	0.55	0.59	0.61	0.63	0.67	4545	1.0
y_mean[1370]	-0.86	4.2e-4	0.03	-0.92	-0.88	-0.86	-0.84	-0.8	4720	1.0
y_mean[1371]	1.47	8.2e-4	0.06	1.36	1.44	1.48	1.51	1.58	4682	1.0
y_mean[1372]	1.82	8.7e-4	0.06	1.7	1.78	1.82	1.85	1.93	4525	1.0
y_mean[1373]	-0.49	3.3e-4	0.02	-0.54	-0.51	-0.49	-0.47	-0.45	4895	1.0
y_mean[1374]	-0.09	3.5e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	4833	1.0
y_mean[1375]	-0.66	3.5e-4	0.02	-0.71	-0.68	-0.66	-0.65	-0.61	4933	1.0
y_mean[1376]	-0.26	4.4e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	4604	1.0
y_mean[1377]	0.18	4.9e-4	0.03	0.11	0.15	0.18	0.2	0.24	4772	1.0
y_mean[1378]	0.97	6.9e-4	0.05	0.87	0.94	0.97	1.0	1.07	5123	1.0
y_mean[1379]	-0.86	5.2e-4	0.04	-0.93	-0.88	-0.86	-0.84	-0.79	4553	1.0
y_mean[1380]	-0.68	4.3e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.62	5007	1.0
y_mean[1381]	-0.12	3.1e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.08	4559	1.0
y_mean[1382]	-0.68	4.8e-4	0.03	-0.74	-0.7	-0.68	-0.65	-0.61	5025	1.0
y_mean[1383]	0.87	6.3e-4	0.05	0.77	0.84	0.87	0.9	0.96	5265	1.0
y_mean[1384]	-0.18	5.0e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	4024	1.0
y_mean[1385]	0.47	6.3e-4	0.04	0.39	0.44	0.47	0.5	0.55	4215	1.0
y_mean[1386]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	4628	1.0
y_mean[1387]	-0.35	3.3e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.3	5422	1.0
y_mean[1388]	0.22	4.0e-4	0.03	0.16	0.2	0.22	0.24	0.28	5134	1.0
y_mean[1389]	-1.08	5.5e-4	0.04	-1.15	-1.1	-1.08	-1.05	-1.0	4673	1.0
y_mean[1390]	0.36	3.2e-4	0.02	0.32	0.35	0.36	0.38	0.41	4459	1.0
y_mean[1391]	-0.81	4.8e-4	0.03	-0.88	-0.83	-0.81	-0.79	-0.74	5117	1.0
y_mean[1392]	-0.88	4.3e-4	0.03	-0.94	-0.9	-0.88	-0.86	-0.83	5036	1.0
y_mean[1393]	0.02	4.8e-4	0.03	-0.04	-2.5e-3	0.02	0.04	0.08	4720	1.0
y_mean[1394]	-0.57	3.8e-4	0.03	-0.62	-0.58	-0.57	-0.55	-0.51	4776	1.0
y_mean[1395]	0.56	5.9e-4	0.04	0.47	0.53	0.56	0.58	0.64	4791	1.0
y_mean[1396]	0.89	6.0e-4	0.04	0.81	0.86	0.89	0.92	0.98	5118	1.0
y_mean[1397]	-0.08	4.6e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	4664	1.0
y_mean[1398]	2.56	1.5e-3	0.1	2.35	2.49	2.56	2.63	2.76	4965	1.0
y_mean[1399]	-0.29	2.8e-4	0.02	-0.33	-0.3	-0.29	-0.28	-0.25	4607	1.0
y_mean[1400]	-0.35	3.1e-4	0.02	-0.39	-0.36	-0.35	-0.34	-0.31	4709	1.0

y_mean[1401]	-0.05	5.5e-4	0.04	-0.13	-0.08	-0.05	-0.02	0.03	5594	1.0
y_mean[1402]	-0.47	2.9e-4	0.02	-0.51	-0.48	-0.47	-0.46	-0.43	4818	1.0
y_mean[1403]	0.51	6.2e-4	0.04	0.42	0.48	0.51	0.54	0.6	5156	1.0
y_mean[1404]	-0.51	6.0e-4	0.04	-0.59	-0.54	-0.51	-0.49	-0.44	4153	1.0
y_mean[1405]	-0.82	4.2e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.76	4938	1.0
y_mean[1406]	-0.42	3.5e-4	0.02	-0.47	-0.44	-0.42	-0.4	-0.37	4619	1.0
y_mean[1407]	0.55	5.8e-4	0.04	0.47	0.52	0.55	0.57	0.62	4163	1.0
y_mean[1408]	-0.21	3.8e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.16	4807	1.0
y_mean[1409]	-0.08	7.2e-4	0.05	-0.18	-0.11	-0.08	-0.05	0.02	4702	1.0
y_mean[1410]	-0.62	4.3e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.56	4909	1.0
y_mean[1411]	0.07	3.0e-4	0.02	0.03	0.06	0.07	0.08	0.11	4642	1.0
y_mean[1412]	-0.72	4.5e-4	0.03	-0.79	-0.75	-0.73	-0.7	-0.66	4798	1.0
y_mean[1413]	1.32	8.6e-4	0.06	1.2	1.28	1.32	1.35	1.42	4329	1.0
y_mean[1414]	-0.37	5.2e-4	0.04	-0.44	-0.4	-0.37	-0.35	-0.3	4734	1.0
y_mean[1415]	-0.15	4.8e-4	0.03	-0.22	-0.17	-0.15	-0.13	-0.08	4945	1.0
y_mean[1416]	-0.26	3.6e-4	0.02	-0.3	-0.27	-0.26	-0.24	-0.21	4264	1.0
y_mean[1417]	-0.96	4.2e-4	0.03	-1.02	-0.98	-0.96	-0.94	-0.91	4692	1.0
y_mean[1418]	-0.02	4.3e-4	0.03	-0.08	-0.04	-0.02	1.1e-3	0.04	5354	1.0
y_mean[1419]	-0.51	3.0e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.47	4880	1.0
y_mean[1420]	-0.51	3.5e-4	0.03	-0.56	-0.53	-0.51	-0.49	-0.46	5230	1.0
y_mean[1421]	-0.76	3.7e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.71	4857	1.0
y_mean[1422]	0.95	5.1e-4	0.04	0.88	0.93	0.95	0.98	1.03	5005	1.0
y_mean[1423]	0.86	6.6e-4	0.05	0.77	0.83	0.86	0.89	0.95	5278	1.0
y_mean[1424]	-0.23	3.6e-4	0.02	-0.27	-0.24	-0.23	-0.21	-0.18	4265	1.0
y_mean[1425]	-0.78	3.9e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.73	4904	1.0
y_mean[1426]	-0.74	3.8e-4	0.03	-0.79	-0.75	-0.74	-0.72	-0.68	4892	1.0
y_mean[1427]	-0.57	3.2e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4992	1.0
y_mean[1428]	0.26	3.8e-4	0.03	0.21	0.24	0.25	0.27	0.31	4583	1.0
y_mean[1429]	-0.37	3.0e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.33	5063	1.0
y_mean[1430]	-0.17	3.5e-4	0.02	-0.22	-0.19	-0.17	-0.16	-0.13	4822	1.0
y_mean[1431]	0.37	4.3e-4	0.03	0.32	0.36	0.37	0.39	0.43	4263	1.0
y_mean[1432]	-0.71	4.6e-4	0.03	-0.77	-0.73	-0.71	-0.69	-0.64	4811	1.0
y_mean[1433]	0.36	7.3e-4	0.05	0.27	0.33	0.37	0.4	0.46	4570	1.0
y_mean[1434]	-1.1	6.8e-4	0.05	-1.19	-1.14	-1.11	-1.07	-1.01	4679	1.0
y_mean[1435]	0.78	5.7e-4	0.04	0.7	0.75	0.78	0.81	0.86	4626	1.0
y_mean[1436]	-0.97	4.2e-4	0.03	-1.03	-0.99	-0.97	-0.95	-0.92	4654	1.0
y_mean[1437]	-0.69	4.0e-4	0.03	-0.74	-0.71	-0.69	-0.67	-0.63	4899	1.0
y_mean[1438]	-0.4	2.9e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	4869	1.0
y_mean[1439]	-0.36	3.6e-4	0.02	-0.41	-0.38	-0.36	-0.34	-0.31	4615	1.0
y_mean[1440]	1.53	1.0e-3	0.07	1.39	1.48	1.53	1.58	1.67	5164	1.0
y_mean[1441]	0.29	4.0e-4	0.03	0.23	0.27	0.29	0.3	0.34	4587	1.0
y_mean[1442]	0.62	5.7e-4	0.04	0.54	0.59	0.62	0.65	0.7	4841	1.0
y_mean[1443]	0.96	6.9e-4	0.05	0.86	0.93	0.96	0.99	1.06	5275	1.0
y_mean[1444]	1.45	8.5e-4	0.06	1.33	1.41	1.45	1.49	1.57	5193	1.0
y_mean[1445]	-0.7	3.8e-4	0.03	-0.75	-0.71	-0.7	-0.68	-0.64	4940	1.0
y_mean[1446]	-0.07	4.0e-4	0.03	-0.13	-0.09	-0.07	-0.05	-0.02	4975	1.0
y_mean[1447]	-0.52	3.0e-4	0.02	-0.56	-0.53	-0.52	-0.51	-0.48	4745	1.0
y_mean[1448]	-0.63	3.8e-4	0.03	-0.68	-0.65	-0.63	-0.61	-0.58	4836	1.0

y_mean[1449]	-0.74	3.6e-4	0.03	-0.79	-0.76	-0.74	-0.73	-0.69	4856	1.0
y_mean[1450]	-0.29	3.6e-4	0.02	-0.34	-0.31	-0.29	-0.27	-0.24	4444	1.0
y_mean[1451]	-0.24	4.4e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.19	4133	1.0
y_mean[1452]	-0.35	3.9e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	4453	1.0
y_mean[1453]	-0.66	5.0e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	4351	1.0
y_mean[1454]	-0.8	4.0e-4	0.03	-0.85	-0.81	-0.8	-0.78	-0.74	4929	1.0
y_mean[1455]	1.06	1.0e-3	0.06	0.93	1.02	1.06	1.1	1.18	3976	1.0
y_mean[1456]	0.97	6.4e-4	0.04	0.88	0.94	0.97	0.99	1.05	4560	1.0
y_mean[1457]	0.34	4.8e-4	0.03	0.28	0.32	0.34	0.36	0.4	4623	1.0
y_mean[1458]	0.84	5.7e-4	0.04	0.76	0.81	0.83	0.86	0.91	4562	1.0
y_mean[1459]	-0.6	3.3e-4	0.02	-0.65	-0.62	-0.6	-0.59	-0.55	4973	1.0
y_mean[1460]	1.13	5.7e-4	0.04	1.06	1.11	1.13	1.16	1.21	4325	1.0
y_mean[1461]	-0.5	5.4e-4	0.04	-0.57	-0.52	-0.5	-0.47	-0.42	4895	1.0
y_mean[1462]	0.05	5.7e-4	0.04	-0.03	0.02	0.05	0.08	0.13	5496	1.0
y_mean[1463]	-0.32	4.6e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	4797	1.0
y_mean[1464]	2.09	1.1e-3	0.08	1.94	2.04	2.09	2.14	2.24	4605	1.0
y_mean[1465]	0.44	4.5e-4	0.03	0.38	0.42	0.44	0.46	0.5	4698	1.0
y_mean[1466]	0.65	7.1e-4	0.04	0.56	0.62	0.65	0.68	0.73	4059	1.0
y_mean[1467]	-1.26	6.5e-4	0.04	-1.34	-1.29	-1.26	-1.23	-1.17	4566	1.0
y_mean[1468]	-0.11	4.4e-4	0.03	-0.16	-0.13	-0.11	-0.09	-0.05	3956	1.0
y_mean[1469]	-0.07	3.1e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	4739	1.0
y_mean[1470]	0.77	6.5e-4	0.04	0.68	0.74	0.77	0.8	0.85	4560	1.0
y_mean[1471]	-0.59	5.7e-4	0.04	-0.66	-0.61	-0.59	-0.56	-0.51	4178	1.0
y_mean[1472]	0.67	4.5e-4	0.03	0.6	0.65	0.67	0.69	0.73	5369	1.0
y_mean[1473]	-0.71	5.0e-4	0.03	-0.77	-0.73	-0.71	-0.69	-0.64	4617	1.0
y_mean[1474]	1.74	8.8e-4	0.06	1.63	1.71	1.74	1.78	1.86	4593	1.0
y_mean[1475]	-0.06	3.8e-4	0.03	-0.12	-0.08	-0.06	-0.04	-3.9e-3	5473	1.0
y_mean[1476]	1.51	1.0e-3	0.07	1.36	1.46	1.51	1.56	1.65	5180	1.0
y_mean[1477]	-0.82	4.3e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.76	4500	1.0
y_mean[1478]	-0.48	5.1e-4	0.04	-0.56	-0.51	-0.48	-0.46	-0.41	5408	1.0
y_mean[1479]	0.17	3.7e-4	0.03	0.12	0.15	0.17	0.19	0.22	4850	1.0
y_mean[1480]	-0.57	3.4e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4720	1.0
y_mean[1481]	0.41	6.2e-4	0.04	0.33	0.39	0.42	0.44	0.49	4276	1.0
y_mean[1482]	-1.26	6.6e-4	0.04	-1.34	-1.29	-1.26	-1.22	-1.17	4554	1.0
y_mean[1483]	0.94	5.7e-4	0.04	0.86	0.91	0.94	0.97	1.02	4504	1.0
y_mean[1484]	0.67	4.8e-4	0.03	0.61	0.65	0.67	0.69	0.73	4589	1.0
y_mean[1485]	-0.51	3.0e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4695	1.0
y_mean[1486]	-0.08	5.6e-4	0.04	-0.15	-0.1	-0.08	-0.05	-2.7e-3	4626	1.0
y_mean[1487]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	5162	1.0
y_mean[1488]	0.31	4.2e-4	0.03	0.25	0.29	0.31	0.33	0.36	4440	1.0
y_mean[1489]	-0.45	2.9e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	4746	1.0
y_mean[1490]	0.29	4.9e-4	0.03	0.23	0.27	0.29	0.32	0.36	4699	1.0
y_mean[1491]	0.16	4.0e-4	0.03	0.11	0.14	0.16	0.18	0.21	4674	1.0
y_mean[1492]	0.6	7.9e-4	0.05	0.49	0.56	0.6	0.63	0.7	4418	1.0
y_mean[1493]	-0.93	4.2e-4	0.03	-0.99	-0.95	-0.93	-0.91	-0.88	4891	1.0
y_mean[1494]	-9.8e-3	5.7e-4	0.04	-0.08	-0.03	-9.8e-3	0.01	0.06	4051	1.0
y_mean[1495]	-0.46	6.0e-4	0.04	-0.54	-0.48	-0.46	-0.43	-0.37	4713	1.0
y_mean[1496]	-0.07	3.2e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.03	4706	1.0

y_mean[1497]	-0.27	4.2e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	5171	1.0
y_mean[1498]	0.74	6.2e-4	0.04	0.66	0.71	0.74	0.77	0.83	5094	1.0
y_mean[1499]	0.78	1.1e-3	0.07	0.64	0.73	0.78	0.82	0.92	4158	1.0
y_mean[1500]	1.2	7.1e-4	0.05	1.09	1.16	1.2	1.23	1.3	5122	1.0
y_mean[1501]	-1.06	4.4e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.0	4966	1.0
y_mean[1502]	1.16	6.2e-4	0.04	1.08	1.13	1.16	1.19	1.24	4498	1.0
y_mean[1503]	0.91	6.0e-4	0.04	0.83	0.88	0.9	0.93	0.98	4540	1.0
y_mean[1504]	0.48	5.6e-4	0.04	0.41	0.45	0.48	0.51	0.55	4606	1.0
y_mean[1505]	-0.3	3.1e-4	0.02	-0.34	-0.32	-0.3	-0.29	-0.26	5056	1.0
y_mean[1506]	-0.5	4.0e-4	0.03	-0.55	-0.51	-0.5	-0.48	-0.44	4662	1.0
y_mean[1507]	-6.3e-4	6.9e-4	0.05	-0.1	-0.03	-2.5e-4	0.03	0.1	4768	1.0
y_mean[1508]	0.52	3.6e-4	0.02	0.47	0.51	0.52	0.54	0.57	4376	1.0
y_mean[1509]	-0.19	3.8e-4	0.03	-0.24	-0.2	-0.19	-0.17	-0.14	4800	1.0
y_mean[1510]	-0.45	2.9e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	4795	1.0
y_mean[1511]	-0.53	3.0e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.49	4723	1.0
y_mean[1512]	-0.22	4.3e-4	0.03	-0.27	-0.24	-0.22	-0.2	-0.16	4597	1.0
y_mean[1513]	2.31	1.1e-3	0.08	2.16	2.26	2.31	2.36	2.46	4542	1.0
y_mean[1514]	0.63	4.8e-4	0.03	0.57	0.61	0.63	0.66	0.7	4626	1.0
y_mean[1515]	-9.3e-3	4.4e-4	0.03	-0.07	-0.03	-9.4e-3	0.01	0.05	4945	1.0
y_mean[1516]	-0.83	4.3e-4	0.03	-0.89	-0.85	-0.83	-0.81	-0.77	4821	1.0
y_mean[1517]	-0.51	3.0e-4	0.02	-0.55	-0.52	-0.51	-0.49	-0.46	4952	1.0
y_mean[1518]	0.36	5.0e-4	0.03	0.29	0.34	0.36	0.38	0.42	4627	1.0
y_mean[1519]	-0.42	2.9e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	4806	1.0
y_mean[1520]	0.53	4.4e-4	0.03	0.47	0.51	0.53	0.55	0.59	4579	1.0
y_mean[1521]	-0.59	3.1e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	4734	1.0
y_mean[1522]	-0.73	4.5e-4	0.03	-0.79	-0.75	-0.73	-0.71	-0.67	5064	1.0
y_mean[1523]	0.21	3.9e-4	0.03	0.16	0.2	0.21	0.23	0.27	5224	1.0
y_mean[1524]	-0.12	3.8e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.07	5196	1.0
y_mean[1525]	0.61	4.6e-4	0.03	0.55	0.59	0.61	0.63	0.67	4611	1.0
y_mean[1526]	-2.53	1.9e-3	0.13	-2.77	-2.61	-2.53	-2.44	-2.28	4569	1.0
y_mean[1527]	0.49	4.5e-4	0.03	0.43	0.47	0.49	0.51	0.55	4774	1.0
y_mean[1528]	0.85	5.6e-4	0.04	0.78	0.82	0.85	0.88	0.93	4537	1.0
y_mean[1529]	3.8e-3	3.0e-4	0.02	-0.04	-0.01	3.7e-3	0.02	0.05	5366	1.0
y_mean[1530]	0.02	3.5e-4	0.02	-0.02	5.9e-3	0.02	0.04	0.07	4743	1.0
y_mean[1531]	-0.54	4.3e-4	0.03	-0.6	-0.56	-0.54	-0.52	-0.48	4824	1.0
y_mean[1532]	-0.65	3.3e-4	0.02	-0.69	-0.67	-0.65	-0.64	-0.6	4785	1.0
y_mean[1533]	-1.08	4.2e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.02	4710	1.0
y_mean[1534]	-0.16	4.5e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	4610	1.0
y_mean[1535]	0.62	5.4e-4	0.04	0.55	0.6	0.62	0.65	0.69	4758	1.0
y_mean[1536]	0.1	3.1e-4	0.02	0.06	0.09	0.1	0.12	0.14	4621	1.0
y_mean[1537]	-0.54	3.1e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.5	4696	1.0
y_mean[1538]	-0.57	4.9e-4	0.03	-0.64	-0.59	-0.57	-0.54	-0.5	5007	1.0
y_mean[1539]	-0.07	5.4e-4	0.04	-0.14	-0.1	-0.07	-0.04	7.8e-4	4622	1.0
y_mean[1540]	3.58	1.5e-3	0.11	3.37	3.51	3.58	3.65	3.79	5033	1.0
y_mean[1541]	-0.65	3.5e-4	0.02	-0.7	-0.66	-0.65	-0.63	-0.6	4969	1.0
y_mean[1542]	1.35	8.7e-4	0.06	1.24	1.32	1.35	1.39	1.46	4108	1.0
y_mean[1543]	-0.18	4.2e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	4930	1.0
y_mean[1544]	-0.06	3.2e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	4646	1.0

y_mean[1545]	0.6	5.2e-4	0.04	0.53	0.57	0.6	0.62	0.67	4756	1.0
y_mean[1546]	-0.04	3.3e-4	0.02	-0.08	-0.05	-0.04	-0.02	0.01	5198	1.0
y_mean[1547]	-0.19	4.3e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	4385	1.0
y_mean[1548]	0.02	3.4e-4	0.02	-0.03	2.4e-3	0.02	0.03	0.07	4830	1.0
y_mean[1549]	0.67	5.6e-4	0.04	0.59	0.64	0.67	0.69	0.74	4642	1.0
y_mean[1550]	-0.12	5.3e-4	0.04	-0.19	-0.15	-0.12	-0.1	-0.06	4399	1.0
y_mean[1551]	-0.6	3.4e-4	0.02	-0.65	-0.61	-0.6	-0.58	-0.55	5023	1.0
y_mean[1552]	-0.89	4.4e-4	0.03	-0.95	-0.91	-0.89	-0.86	-0.82	5186	1.0
y_mean[1553]	0.34	5.0e-4	0.03	0.27	0.32	0.34	0.36	0.41	4644	1.0
y_mean[1554]	-0.48	2.9e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4882	1.0
y_mean[1555]	0.41	4.8e-4	0.03	0.35	0.39	0.41	0.44	0.48	4608	1.0
y_mean[1556]	-0.01	7.7e-4	0.05	-0.12	-0.05	-0.01	0.02	0.09	4814	1.0
y_mean[1557]	-0.09	5.8e-4	0.04	-0.17	-0.12	-0.09	-0.06	-0.01	4633	1.0
y_mean[1558]	-0.75	4.5e-4	0.03	-0.81	-0.77	-0.75	-0.73	-0.69	4803	1.0
y_mean[1559]	-0.65	3.7e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	5021	1.0
y_mean[1560]	-0.37	5.0e-4	0.03	-0.44	-0.4	-0.37	-0.35	-0.31	4739	1.0
y_mean[1561]	-0.44	5.5e-4	0.04	-0.51	-0.46	-0.44	-0.41	-0.36	4722	1.0
y_mean[1562]	0.26	6.0e-4	0.04	0.18	0.24	0.26	0.29	0.34	4439	1.0
y_mean[1563]	-1.21	9.1e-4	0.06	-1.33	-1.25	-1.21	-1.16	-1.08	5059	1.0
y_mean[1564]	0.52	4.4e-4	0.03	0.46	0.5	0.51	0.54	0.58	4610	1.0
y_mean[1565]	2.42	1.2e-3	0.08	2.26	2.37	2.42	2.47	2.57	4447	1.0
y_mean[1566]	0.39	4.5e-4	0.03	0.33	0.37	0.39	0.41	0.45	4660	1.0
y_mean[1567]	-0.71	3.8e-4	0.03	-0.76	-0.73	-0.71	-0.69	-0.66	4897	1.0
y_mean[1568]	0.42	4.5e-4	0.03	0.36	0.4	0.42	0.44	0.48	4640	1.0
y_mean[1569]	0.7	7.4e-4	0.05	0.6	0.67	0.7	0.73	0.8	4562	1.0
y_mean[1570]	-0.4	4.9e-4	0.03	-0.46	-0.42	-0.4	-0.37	-0.33	4758	1.0
y_mean[1571]	-0.48	3.0e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4958	1.0
y_mean[1572]	-0.62	3.4e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4987	1.0
y_mean[1573]	-0.05	4.5e-4	0.03	-0.11	-0.07	-0.05	-0.03	4.3e-3	4045	1.0
y_mean[1574]	0.55	5.3e-4	0.04	0.48	0.52	0.55	0.57	0.62	4849	1.0
y_mean[1575]	-0.39	3.3e-4	0.02	-0.44	-0.41	-0.39	-0.37	-0.34	5392	1.0
y_mean[1576]	-0.74	3.7e-4	0.03	-0.79	-0.76	-0.74	-0.72	-0.69	4871	1.0
y_mean[1577]	-1.57	9.9e-4	0.07	-1.7	-1.62	-1.57	-1.53	-1.44	4541	1.0
y_mean[1578]	0.7	5.9e-4	0.04	0.61	0.67	0.7	0.72	0.78	5493	1.0
y_mean[1579]	0.44	4.6e-4	0.03	0.37	0.42	0.44	0.46	0.5	4761	1.0
y_mean[1580]	-0.59	5.0e-4	0.04	-0.67	-0.62	-0.59	-0.57	-0.52	5323	1.0
y_mean[1581]	1.88	1.2e-3	0.08	1.72	1.82	1.88	1.93	2.04	4575	1.0
y_mean[1582]	0.63	4.5e-4	0.03	0.57	0.61	0.63	0.65	0.69	4573	1.0
y_mean[1583]	0.01	4.7e-4	0.03	-0.06	-0.01	0.01	0.03	0.08	5395	1.0
y_mean[1584]	-0.3	3.6e-4	0.02	-0.34	-0.31	-0.3	-0.28	-0.25	4442	1.0
y_mean[1585]	0.65	5.6e-4	0.04	0.56	0.62	0.65	0.67	0.73	5505	1.0
y_mean[1586]	0.54	6.1e-4	0.04	0.46	0.52	0.54	0.57	0.62	4597	1.0
y_mean[1587]	0.7	5.7e-4	0.04	0.62	0.67	0.69	0.72	0.77	4871	1.0
y_mean[1588]	0.23	6.3e-4	0.04	0.14	0.2	0.23	0.25	0.3	4159	1.0
y_mean[1589]	0.07	4.3e-4	0.03	8.9e-3	0.05	0.07	0.09	0.13	5144	1.0
y_mean[1590]	0.58	4.4e-4	0.03	0.52	0.56	0.58	0.6	0.64	4562	1.0
y_mean[1591]	-0.79	3.8e-4	0.03	-0.84	-0.81	-0.79	-0.77	-0.74	4889	1.0
y_mean[1592]	1.44	7.4e-4	0.05	1.35	1.41	1.44	1.48	1.54	4491	1.0

y_mean[1593]	0.12	6.0e-4	0.04	0.04	0.09	0.11	0.14	0.19	4698	1.0
y_mean[1594]	-0.3	4.6e-4	0.03	-0.36	-0.32	-0.3	-0.27	-0.23	4759	1.0
y_mean[1595]	-0.75	4.4e-4	0.03	-0.81	-0.77	-0.75	-0.73	-0.69	5183	1.0
y_mean[1596]	-0.55	3.1e-4	0.02	-0.59	-0.56	-0.55	-0.53	-0.51	4958	1.0
y_mean[1597]	-0.73	3.6e-4	0.02	-0.78	-0.75	-0.73	-0.72	-0.68	4841	1.0
y_mean[1598]	-0.34	4.8e-4	0.03	-0.41	-0.37	-0.34	-0.32	-0.28	4395	1.0
y_mean[1599]	-0.86	4.4e-4	0.03	-0.92	-0.88	-0.86	-0.84	-0.81	4465	1.0
y_mean[1600]	0.48	4.7e-4	0.03	0.41	0.45	0.48	0.5	0.55	5430	1.0
y_mean[1601]	-0.32	3.1e-4	0.02	-0.36	-0.34	-0.32	-0.31	-0.28	5125	1.0
y_mean[1602]	-0.77	4.2e-4	0.03	-0.82	-0.79	-0.77	-0.75	-0.71	4994	1.0
y_mean[1603]	-0.17	3.6e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	5123	1.0
y_mean[1604]	1.15	8.3e-4	0.06	1.04	1.12	1.15	1.19	1.26	4529	1.0
y_mean[1605]	-0.63	3.5e-4	0.02	-0.68	-0.65	-0.63	-0.61	-0.58	4782	1.0
y_mean[1606]	-0.1	3.5e-4	0.02	-0.15	-0.12	-0.1	-0.08	-0.05	5078	1.0
y_mean[1607]	-0.45	3.5e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	5349	1.0
y_mean[1608]	-0.23	4.2e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.18	4167	1.0
y_mean[1609]	-1.0	4.2e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.94	4698	1.0
y_mean[1610]	0.65	8.7e-4	0.06	0.53	0.61	0.65	0.69	0.77	5048	1.0
y_mean[1611]	-0.61	3.1e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.56	4777	1.0
y_mean[1612]	-0.96	4.3e-4	0.03	-1.01	-0.98	-0.96	-0.94	-0.9	4588	1.0
y_mean[1613]	1.77	8.0e-4	0.06	1.66	1.74	1.77	1.81	1.89	5201	1.0
y_mean[1614]	0.68	8.6e-4	0.06	0.55	0.64	0.68	0.72	0.81	5484	1.0
y_mean[1615]	-0.59	3.5e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.54	4945	1.0
y_mean[1616]	-0.69	4.8e-4	0.03	-0.76	-0.72	-0.69	-0.67	-0.63	4703	1.0
y_mean[1617]	0.24	3.7e-4	0.03	0.19	0.22	0.24	0.26	0.29	4583	1.0
y_mean[1618]	-0.38	3.0e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	4933	1.0
y_mean[1619]	-0.19	3.5e-4	0.02	-0.24	-0.21	-0.19	-0.18	-0.15	5046	1.0
y_mean[1620]	0.28	3.9e-4	0.03	0.22	0.26	0.28	0.29	0.33	4585	1.0
y_mean[1621]	-0.48	4.2e-4	0.03	-0.53	-0.5	-0.48	-0.46	-0.42	4920	1.0
y_mean[1622]	0.42	3.5e-4	0.03	0.37	0.41	0.42	0.44	0.47	5438	1.0
y_mean[1623]	-0.68	3.6e-4	0.03	-0.73	-0.69	-0.68	-0.66	-0.63	4938	1.0
y_mean[1624]	-0.7	3.9e-4	0.03	-0.75	-0.72	-0.7	-0.68	-0.65	4908	1.0
y_mean[1625]	-0.61	3.6e-4	0.03	-0.67	-0.63	-0.61	-0.6	-0.56	5069	1.0
y_mean[1626]	0.97	6.7e-4	0.04	0.88	0.94	0.97	1.0	1.05	4145	1.0
y_mean[1627]	1.52	9.7e-4	0.06	1.39	1.48	1.52	1.57	1.65	4412	1.0
y_mean[1628]	-0.15	5.1e-4	0.04	-0.22	-0.17	-0.15	-0.12	-0.08	4800	1.0
y_mean[1629]	0.91	4.4e-4	0.03	0.85	0.88	0.91	0.93	0.96	4729	1.0
y_mean[1630]	0.38	4.5e-4	0.03	0.32	0.36	0.38	0.4	0.44	4681	1.0
y_mean[1631]	-0.25	4.0e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	5448	1.0
y_mean[1632]	-0.29	6.2e-4	0.04	-0.37	-0.32	-0.29	-0.26	-0.21	4336	1.0
y_mean[1633]	0.65	5.9e-4	0.04	0.57	0.62	0.65	0.67	0.72	4651	1.0
y_mean[1634]	0.16	5.5e-4	0.03	0.1	0.14	0.16	0.19	0.23	3940	1.0
y_mean[1635]	0.13	3.5e-4	0.02	0.08	0.11	0.13	0.15	0.18	4928	1.0
y_mean[1636]	-0.58	4.0e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.52	5223	1.0
y_mean[1637]	-0.18	5.0e-4	0.03	-0.24	-0.2	-0.18	-0.15	-0.11	4088	1.0
y_mean[1638]	-0.7	4.4e-4	0.03	-0.76	-0.72	-0.7	-0.68	-0.64	4498	1.0
y_mean[1639]	-0.92	4.2e-4	0.03	-0.98	-0.94	-0.92	-0.9	-0.87	4527	1.0
y_mean[1640]	-0.2	2.9e-4	0.02	-0.24	-0.22	-0.2	-0.19	-0.16	5192	1.0

y_mean[1641]	3.8e-3	5.4e-4	0.03	-0.06	-0.02	3.8e-3	0.03	0.07	3987	1.0
y_mean[1642]	-0.41	3.1e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.37	5218	1.0
y_mean[1643]	-0.81	3.9e-4	0.03	-0.86	-0.83	-0.81	-0.79	-0.75	4876	1.0
y_mean[1644]	-0.1	3.4e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	4831	1.0
y_mean[1645]	0.38	6.0e-4	0.04	0.3	0.35	0.38	0.41	0.46	4646	1.0
y_mean[1646]	0.03	4.3e-4	0.03	-0.03	6.9e-3	0.03	0.05	0.09	4884	1.0
y_mean[1647]	-1.01	4.2e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.95	4613	1.0
y_mean[1648]	1.8	9.4e-4	0.07	1.67	1.76	1.8	1.85	1.93	5022	1.0
y_mean[1649]	-0.1	4.0e-4	0.03	-0.15	-0.12	-0.1	-0.08	-0.04	4900	1.0
y_mean[1650]	0.56	5.3e-4	0.04	0.49	0.54	0.56	0.59	0.64	5529	1.0
y_mean[1651]	-0.08	4.0e-4	0.03	-0.14	-0.1	-0.08	-0.07	-0.03	4351	1.0
y_mean[1652]	-0.05	4.0e-4	0.03	-0.1	-0.07	-0.05	-0.03	3.9e-3	4801	1.0
y_mean[1653]	2.97	1.1e-3	0.07	2.83	2.93	2.97	3.02	3.12	4671	1.0
y_mean[1654]	0.4	5.8e-4	0.04	0.31	0.37	0.4	0.43	0.48	5664	1.0
y_mean[1655]	0.11	3.6e-4	0.02	0.07	0.1	0.11	0.13	0.16	4646	1.0
y_mean[1656]	0.21	3.4e-4	0.02	0.17	0.19	0.21	0.22	0.25	4599	1.0
y_mean[1657]	-0.81	3.9e-4	0.03	-0.86	-0.83	-0.81	-0.79	-0.75	4893	1.0
y_mean[1658]	-0.2	4.0e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	4277	1.0
y_mean[1659]	-0.51	3.2e-4	0.02	-0.55	-0.52	-0.51	-0.5	-0.47	4663	1.0
y_mean[1660]	0.18	5.0e-4	0.03	0.12	0.16	0.18	0.21	0.25	4437	1.0
y_mean[1661]	-0.39	5.1e-4	0.03	-0.46	-0.42	-0.39	-0.37	-0.32	4741	1.0
y_mean[1662]	-0.08	3.3e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4743	1.0
y_mean[1663]	0.58	4.9e-4	0.03	0.51	0.56	0.58	0.6	0.64	4121	1.0
y_mean[1664]	-0.58	3.2e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.54	4724	1.0
y_mean[1665]	-0.34	4.1e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.28	4618	1.0
y_mean[1666]	-0.6	3.3e-4	0.02	-0.65	-0.62	-0.6	-0.59	-0.56	4925	1.0
y_mean[1667]	-0.22	5.0e-4	0.03	-0.29	-0.24	-0.22	-0.19	-0.15	4860	1.0
y_mean[1668]	0.84	5.3e-4	0.04	0.77	0.81	0.84	0.86	0.91	4518	1.0
y_mean[1669]	-0.16	4.3e-4	0.03	-0.23	-0.18	-0.16	-0.14	-0.1	5810	1.0
y_mean[1670]	0.43	6.3e-4	0.04	0.35	0.4	0.43	0.46	0.51	4375	1.0
y_mean[1671]	-0.18	3.7e-4	0.03	-0.23	-0.2	-0.19	-0.17	-0.13	4803	1.0
y_mean[1672]	0.02	3.4e-4	0.02	-0.03	-2.9e-4	0.02	0.03	0.06	5021	1.0
y_mean[1673]	-0.07	3.3e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.03	4664	1.0
y_mean[1674]	-0.58	3.1e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.54	4784	1.0
y_mean[1675]	0.63	6.8e-4	0.05	0.54	0.6	0.63	0.67	0.73	5059	1.0
y_mean[1676]	-0.48	2.9e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4879	1.0
y_mean[1677]	0.02	5.9e-4	0.04	-0.05	-4.2e-5	0.02	0.05	0.1	3933	1.0
y_mean[1678]	0.7	4.9e-4	0.03	0.63	0.67	0.7	0.72	0.76	4585	1.0
y_mean[1679]	0.96	5.7e-4	0.04	0.88	0.93	0.96	0.99	1.04	4666	1.0
y_mean[1680]	-0.62	3.8e-4	0.03	-0.67	-0.64	-0.62	-0.6	-0.57	4923	1.0
y_mean[1681]	-0.64	4.9e-4	0.03	-0.71	-0.66	-0.64	-0.62	-0.57	4999	1.0
y_mean[1682]	-0.35	3.1e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.31	4744	1.0
y_mean[1683]	0.15	3.7e-4	0.03	0.09	0.13	0.15	0.16	0.2	4908	1.0
y_mean[1684]	0.31	3.9e-4	0.03	0.25	0.29	0.31	0.32	0.36	4463	1.0
y_mean[1685]	-0.64	3.5e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.59	4968	1.0
y_mean[1686]	-0.47	2.9e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	4832	1.0
y_mean[1687]	0.27	3.0e-4	0.02	0.23	0.26	0.27	0.29	0.32	5223	1.0
y_mean[1688]	-0.23	3.4e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.19	4898	1.0

y_mean[1689]	0.43	5.5e-4	0.04	0.35	0.4	0.43	0.45	0.51	5000	1.0
y_mean[1690]	0.93	6.3e-4	0.04	0.84	0.9	0.92	0.95	1.01	4643	1.0
y_mean[1691]	-0.26	3.5e-4	0.02	-0.31	-0.28	-0.26	-0.25	-0.22	4338	1.0
y_mean[1692]	0.85	6.0e-4	0.04	0.77	0.82	0.85	0.88	0.93	4596	1.0
y_mean[1693]	0.13	4.2e-4	0.03	0.08	0.11	0.13	0.15	0.19	4732	1.0
y_mean[1694]	-0.23	4.4e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.17	4846	1.0
y_mean[1695]	-1.08	4.8e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.02	4593	1.0
y_mean[1696]	-0.8	5.0e-4	0.03	-0.87	-0.82	-0.8	-0.78	-0.74	4325	1.0
y_mean[1697]	-0.29	4.4e-4	0.03	-0.35	-0.31	-0.29	-0.27	-0.23	4432	1.0
y_mean[1698]	0.01	6.1e-4	0.04	-0.06	-0.01	0.01	0.04	0.09	3971	1.0
y_mean[1699]	1.38	7.8e-4	0.05	1.28	1.34	1.38	1.41	1.48	4244	1.0
y_mean[1700]	-0.42	2.9e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	4797	1.0
y_mean[1701]	0.3	5.7e-4	0.04	0.22	0.27	0.3	0.33	0.38	4789	1.0
y_mean[1702]	0.11	3.1e-4	0.02	0.06	0.09	0.11	0.12	0.15	4686	1.0
y_mean[1703]	-0.5	4.4e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.44	4793	1.0
y_mean[1704]	0.11	4.0e-4	0.03	0.05	0.09	0.11	0.13	0.17	5354	1.0
y_mean[1705]	3.4e-3	7.1e-4	0.05	-0.09	-0.03	2.6e-3	0.04	0.1	4671	1.0
y_mean[1706]	-1.11	4.3e-4	0.03	-1.17	-1.13	-1.11	-1.09	-1.06	4662	1.0
y_mean[1707]	0.16	2.7e-4	0.02	0.12	0.15	0.16	0.17	0.2	5148	1.0
y_mean[1708]	-0.74	3.8e-4	0.03	-0.79	-0.75	-0.74	-0.72	-0.68	4893	1.0
y_mean[1709]	0.19	3.2e-4	0.02	0.14	0.17	0.18	0.2	0.23	4617	1.0
y_mean[1710]	0.33	4.5e-4	0.03	0.28	0.31	0.33	0.36	0.39	4602	1.0
y_mean[1711]	-0.35	3.1e-4	0.02	-0.39	-0.37	-0.35	-0.34	-0.31	4737	1.0
y_mean[1712]	-0.1	3.2e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	5457	1.0
y_mean[1713]	-0.33	3.4e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	4612	1.0
y_mean[1714]	-0.57	3.1e-4	0.02	-0.62	-0.59	-0.57	-0.56	-0.53	4727	1.0
y_mean[1715]	0.87	4.6e-4	0.03	0.81	0.85	0.87	0.9	0.94	5063	1.0
y_mean[1716]	-0.11	5.6e-4	0.04	-0.19	-0.14	-0.11	-0.09	-0.04	4304	1.0
y_mean[1717]	0.82	6.3e-4	0.04	0.73	0.79	0.82	0.85	0.91	5057	1.0
y_mean[1718]	-0.67	3.4e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.62	4892	1.0
y_mean[1719]	-0.67	3.4e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4799	1.0
y_mean[1720]	-0.07	4.7e-4	0.03	-0.13	-0.09	-0.07	-0.04	-4.8e-3	4663	1.0
y_mean[1721]	0.13	7.0e-4	0.04	0.04	0.1	0.13	0.16	0.22	4050	1.0
y_mean[1722]	-0.5	2.9e-4	0.02	-0.54	-0.51	-0.5	-0.49	-0.46	4784	1.0
y_mean[1723]	-0.05	3.3e-4	0.02	-0.09	-0.06	-0.05	-0.03	-2.9e-3	4781	1.0
y_mean[1724]	0.34	6.5e-4	0.05	0.25	0.31	0.34	0.37	0.43	5151	1.0
y_mean[1725]	0.82	4.9e-4	0.03	0.75	0.79	0.82	0.84	0.88	4515	1.0
y_mean[1726]	0.07	3.0e-4	0.02	0.03	0.06	0.07	0.09	0.12	4610	1.0
y_mean[1727]	-0.97	4.4e-4	0.03	-1.03	-0.99	-0.97	-0.95	-0.92	4563	1.0
y_mean[1728]	-0.29	4.1e-4	0.03	-0.35	-0.31	-0.29	-0.28	-0.24	4248	1.0
y_mean[1729]	-0.19	3.6e-4	0.02	-0.24	-0.21	-0.19	-0.18	-0.14	4826	1.0
y_mean[1730]	-0.45	8.0e-4	0.06	-0.57	-0.49	-0.45	-0.41	-0.34	5248	1.0
y_mean[1731]	-0.77	3.7e-4	0.03	-0.82	-0.79	-0.77	-0.75	-0.72	4857	1.0
y_mean[1732]	-0.4	2.9e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	4869	1.0
y_mean[1733]	-0.74	3.8e-4	0.03	-0.79	-0.75	-0.74	-0.72	-0.68	4893	1.0
y_mean[1734]	0.19	6.8e-4	0.04	0.1	0.16	0.19	0.22	0.28	4229	1.0
y_mean[1735]	0.65	5.9e-4	0.04	0.58	0.63	0.65	0.68	0.73	4668	1.0
y_mean[1736]	-0.66	3.4e-4	0.02	-0.71	-0.68	-0.66	-0.64	-0.61	4910	1.0

y_mean[1737]	-0.51	3.5e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	4688	1.0
y_mean[1738]	0.51	8.4e-4	0.05	0.41	0.48	0.51	0.55	0.62	4010	1.0
y_mean[1739]	0.09	3.1e-4	0.02	0.05	0.08	0.09	0.1	0.13	4627	1.0
y_mean[1740]	9.7e-3	3.2e-4	0.02	-0.03	-5.1e-3	9.8e-3	0.02	0.05	4691	1.0
y_mean[1741]	-0.31	3.2e-4	0.02	-0.35	-0.33	-0.31	-0.29	-0.26	5288	1.0
y_mean[1742]	-0.49	2.8e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	4876	1.0
y_mean[1743]	-0.39	3.0e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.35	4849	1.0
y_mean[1744]	-1.2e-3	4.2e-4	0.03	-0.06	-0.02	-1.1e-3	0.02	0.06	5460	1.0
y_mean[1745]	-0.28	4.0e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	5713	1.0
y_mean[1746]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	4853	1.0
y_mean[1747]	-0.77	3.8e-4	0.03	-0.82	-0.78	-0.77	-0.75	-0.71	4893	1.0
y_mean[1748]	-0.32	3.1e-4	0.02	-0.36	-0.33	-0.32	-0.3	-0.28	4771	1.0
y_mean[1749]	0.91	6.4e-4	0.04	0.83	0.88	0.91	0.94	1.0	4699	1.0
y_mean[1750]	-0.03	7.1e-4	0.05	-0.13	-0.06	-0.03	3.5e-3	0.07	4887	1.0
y_mean[1751]	-1.02	6.9e-4	0.05	-1.11	-1.05	-1.02	-0.99	-0.93	4788	1.0
y_mean[1752]	0.34	4.0e-4	0.03	0.29	0.32	0.34	0.35	0.39	4605	1.0
y_mean[1753]	0.69	7.3e-4	0.05	0.6	0.66	0.7	0.73	0.79	4108	1.0
y_mean[1754]	-1.09	4.3e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4625	1.0
y_mean[1755]	-0.48	2.9e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	4819	1.0
y_mean[1756]	-1.37	6.1e-4	0.04	-1.45	-1.39	-1.37	-1.34	-1.29	4602	1.0
y_mean[1757]	-0.43	3.3e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	4924	1.0
y_mean[1758]	0.88	6.5e-4	0.04	0.79	0.85	0.88	0.91	0.97	4753	1.0
y_mean[1759]	-0.13	3.6e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	4422	1.0
y_mean[1760]	-0.42	3.7e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.37	4623	1.0
y_mean[1761]	0.82	7.9e-4	0.06	0.71	0.79	0.82	0.86	0.93	4891	1.0
y_mean[1762]	-0.55	3.7e-4	0.03	-0.61	-0.57	-0.55	-0.54	-0.5	5213	1.0
y_mean[1763]	-1.06	4.2e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.01	4780	1.0
y_mean[1764]	0.23	3.6e-4	0.02	0.18	0.21	0.23	0.25	0.28	4582	1.0
y_mean[1765]	-0.88	4.2e-4	0.03	-0.93	-0.9	-0.88	-0.86	-0.82	4680	1.0
y_mean[1766]	0.36	4.5e-4	0.03	0.3	0.34	0.36	0.38	0.42	4600	1.0
y_mean[1767]	-0.18	3.9e-4	0.03	-0.23	-0.2	-0.18	-0.16	-0.13	4594	1.0
y_mean[1768]	-0.21	3.5e-4	0.02	-0.26	-0.23	-0.21	-0.2	-0.17	4858	1.0
y_mean[1769]	1.24	9.8e-4	0.07	1.1	1.19	1.24	1.29	1.39	5640	1.0
y_mean[1770]	0.72	9.2e-4	0.07	0.59	0.68	0.72	0.77	0.86	5608	1.0
y_mean[1771]	-1.13	4.5e-4	0.03	-1.19	-1.16	-1.13	-1.11	-1.07	4847	1.0
y_mean[1772]	-0.03	4.3e-4	0.03	-0.09	-0.05	-0.03	-6.1e-3	0.03	4954	1.0
y_mean[1773]	0.92	6.9e-4	0.05	0.82	0.89	0.92	0.96	1.02	5334	1.0
y_mean[1774]	-0.2	3.5e-4	0.02	-0.25	-0.22	-0.2	-0.18	-0.15	4892	1.0
y_mean[1775]	-0.43	3.3e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	4801	1.0
y_mean[1776]	-0.1	3.2e-4	0.02	-0.15	-0.12	-0.1	-0.08	-0.06	5273	1.0
y_mean[1777]	1.17	7.4e-4	0.05	1.07	1.14	1.18	1.21	1.28	5004	1.0
y_mean[1778]	1.08	9.8e-4	0.07	0.94	1.03	1.08	1.12	1.21	4720	1.0
y_mean[1779]	-0.63	3.3e-4	0.02	-0.68	-0.65	-0.63	-0.62	-0.59	4765	1.0
y_mean[1780]	-0.06	3.1e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.02	4691	1.0
y_mean[1781]	1.28	7.7e-4	0.06	1.17	1.24	1.28	1.32	1.39	5378	1.0
y_mean[1782]	-0.05	3.2e-4	0.02	-0.09	-0.07	-0.05	-0.04	-8.3e-3	4740	1.0
y_mean[1783]	-0.5	3.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.46	4685	1.0
y_mean[1784]	0.71	7.9e-4	0.05	0.61	0.68	0.71	0.75	0.81	4151	1.0

y_mean[1785]	-0.74	3.9e-4	0.03	-0.8	-0.76	-0.75	-0.73	-0.69	4882	1.0
y_mean[1786]	-0.63	3.4e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4948	1.0
y_mean[1787]	-0.21	4.2e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.16	4600	1.0
y_mean[1788]	0.12	3.1e-4	0.02	0.07	0.1	0.12	0.13	0.16	4611	1.0
y_mean[1789]	-1.15	4.6e-4	0.03	-1.21	-1.17	-1.15	-1.13	-1.09	4854	1.0
y_mean[1790]	-0.33	2.7e-4	0.02	-0.36	-0.34	-0.33	-0.31	-0.29	4989	1.0
y_mean[1791]	-0.36	6.4e-4	0.05	-0.46	-0.39	-0.36	-0.33	-0.27	5749	1.0
y_mean[1792]	0.52	8.0e-4	0.05	0.41	0.48	0.52	0.56	0.63	4664	1.0
y_mean[1793]	1.16	9.6e-4	0.07	1.02	1.11	1.16	1.2	1.29	5016	1.0
y_mean[1794]	-0.53	3.5e-4	0.02	-0.58	-0.55	-0.53	-0.52	-0.48	4849	1.0
y_mean[1795]	-0.53	3.0e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.49	4793	1.0
y_mean[1796]	-0.11	4.4e-4	0.03	-0.16	-0.12	-0.11	-0.09	-0.05	4002	1.0
y_mean[1797]	0.09	6.6e-4	0.05	-5.3e-3	0.06	0.09	0.13	0.19	5994	1.0
y_mean[1798]	-1.27	6.6e-4	0.04	-1.36	-1.3	-1.27	-1.24	-1.19	4543	1.0
y_mean[1799]	1.39	7.8e-4	0.05	1.29	1.36	1.39	1.43	1.5	4575	1.0
y_mean[1800]	1.1	4.6e-4	0.03	1.04	1.08	1.1	1.12	1.16	4788	1.0
ypred[1]	-0.28	0.01	0.67	-1.6	-0.74	-0.29	0.17	1.05	3837	1.0
ypred[2]	-0.74	0.01	0.66	-2.05	-1.18	-0.74	-0.29	0.52	4062	1.0
ypred[3]	-0.2	0.01	0.69	-1.54	-0.66	-0.2	0.27	1.13	3614	1.0
ypred[4]	-1.09	0.01	0.69	-2.41	-1.56	-1.1	-0.64	0.27	3914	1.0
ypred[5]	-1.22	0.01	0.68	-2.56	-1.68	-1.24	-0.76	0.12	4006	1.0
ypred[6]	0.93	0.01	0.68	-0.4	0.44	0.92	1.39	2.27	4019	1.0
ypred[7]	-1.06	0.01	0.68	-2.4	-1.51	-1.07	-0.6	0.26	3937	1.0
ypred[8]	1.32	0.01	0.69	-0.04	0.84	1.32	1.79	2.65	3986	1.0
ypred[9]	-0.61	0.01	0.69	-1.93	-1.09	-0.62	-0.14	0.76	4245	1.0
ypred[10]	-0.62	0.01	0.69	-1.96	-1.08	-0.62	-0.17	0.73	4176	1.0
ypred[11]	-0.27	0.01	0.67	-1.58	-0.73	-0.26	0.19	1.04	3820	1.0
ypred[12]	-0.08	0.01	0.69	-1.44	-0.54	-0.08	0.37	1.28	3971	1.0
ypred[13]	-0.13	0.01	0.68	-1.48	-0.59	-0.12	0.33	1.21	3795	1.0
ypred[14]	-0.53	0.01	0.69	-1.88	-0.99	-0.53	-0.08	0.84	4040	1.0
ypred[15]	0.6	0.01	0.7	-0.78	0.14	0.6	1.05	1.95	4089	1.0
ypred[16]	-0.11	0.01	0.69	-1.44	-0.57	-0.1	0.36	1.26	3615	1.0
ypred[17]	-0.8	0.01	0.69	-2.12	-1.27	-0.8	-0.33	0.56	3950	1.0
ypred[18]	1.46	0.01	0.68	0.1	1.01	1.44	1.91	2.79	4059	1.0
ypred[19]	-1.05	0.01	0.69	-2.41	-1.52	-1.05	-0.59	0.34	4050	1.0
ypred[20]	1.72	0.01	0.69	0.35	1.27	1.73	2.18	3.08	3997	1.0
ypred[21]	1.33	0.01	0.68	-6.3e-3	0.87	1.32	1.78	2.67	3729	1.0
ypred[22]	1.19	0.01	0.69	-0.21	0.72	1.19	1.67	2.49	4207	1.0
ypred[23]	1.14	0.01	0.68	-0.18	0.69	1.14	1.6	2.52	3669	1.0
ypred[24]	-0.7	0.01	0.7	-2.07	-1.17	-0.7	-0.23	0.64	3800	1.0
ypred[25]	1.83	0.01	0.68	0.51	1.36	1.84	2.3	3.14	3728	1.0
ypred[26]	0.48	0.01	0.68	-0.83	0.02	0.48	0.95	1.8	3786	1.0
ypred[27]	-0.8	0.01	0.7	-2.15	-1.29	-0.81	-0.34	0.6	4011	1.0
ypred[28]	-0.72	0.01	0.68	-2.03	-1.18	-0.71	-0.25	0.58	4139	1.0
ypred[29]	0.06	0.01	0.68	-1.27	-0.4	0.07	0.52	1.39	4009	1.0
ypred[30]	0.03	0.01	0.7	-1.29	-0.44	0.04	0.51	1.41	3890	1.0
ypred[31]	0.05	0.01	0.69	-1.27	-0.42	0.07	0.52	1.4	3726	1.0
ypred[32]	-0.68	0.01	0.68	-2.03	-1.13	-0.68	-0.22	0.63	3996	1.0

ypred[33]	-0.47	0.01	0.69	-1.78	-0.94	-0.48	3.3e-3	0.88	3947	1.0
ypred[34]	-0.35	0.01	0.69	-1.72	-0.81	-0.36	0.11	1.01	3496	1.0
ypred[35]	-0.37	0.01	0.69	-1.69	-0.83	-0.4	0.1	1.0	3981	1.0
ypred[36]	0.06	0.01	0.68	-1.24	-0.4	0.07	0.52	1.4	3860	1.0
ypred[37]	0.51	0.01	0.69	-0.85	0.05	0.51	0.98	1.85	3752	1.0
ypred[38]	-1.44	0.01	0.69	-2.81	-1.89	-1.44	-0.98	-0.06	3911	1.0
ypred[39]	-0.53	0.01	0.68	-1.85	-0.99	-0.52	-0.07	0.84	3819	1.0
ypred[40]	0.15	0.01	0.69	-1.19	-0.31	0.15	0.62	1.49	4064	1.0
ypred[41]	-0.4	0.01	0.68	-1.73	-0.87	-0.4	0.06	0.94	4010	1.0
ypred[42]	-0.58	0.01	0.68	-1.95	-1.05	-0.56	-0.09	0.72	4029	1.0
ypred[43]	0.4	0.01	0.69	-0.95	-0.06	0.39	0.87	1.75	4063	1.0
ypred[44]	-0.19	0.01	0.68	-1.52	-0.64	-0.2	0.28	1.15	4076	1.0
ypred[45]	-0.23	0.01	0.7	-1.58	-0.71	-0.23	0.24	1.1	3805	1.0
ypred[46]	-0.27	0.01	0.69	-1.64	-0.74	-0.27	0.2	1.09	4039	1.0
ypred[47]	0.98	0.01	0.7	-0.4	0.5	0.98	1.44	2.39	4217	1.0
ypred[48]	-1.0	0.01	0.69	-2.35	-1.44	-0.99	-0.54	0.34	4058	1.0
ypred[49]	-0.05	0.01	0.68	-1.38	-0.52	-0.06	0.42	1.29	4061	1.0
ypred[50]	-0.54	0.01	0.67	-1.82	-1.0	-0.53	-0.08	0.79	4069	1.0
ypred[51]	-0.05	0.01	0.68	-1.36	-0.51	-0.05	0.41	1.3	4112	1.0
ypred[52]	-0.78	0.01	0.68	-2.1	-1.25	-0.78	-0.33	0.56	4053	1.0
ypred[53]	-0.97	0.01	0.69	-2.33	-1.44	-0.97	-0.51	0.38	4193	1.0
ypred[54]	0.76	0.01	0.69	-0.58	0.29	0.75	1.23	2.08	3929	1.0
ypred[55]	0.1	0.01	0.68	-1.2	-0.36	0.09	0.56	1.41	3695	1.0
ypred[56]	-0.45	0.01	0.68	-1.81	-0.91	-0.44	0.01	0.86	4009	1.0
ypred[57]	-0.68	0.01	0.69	-2.02	-1.14	-0.68	-0.22	0.67	3914	1.0
ypred[58]	0.62	0.01	0.67	-0.68	0.17	0.62	1.08	1.94	4171	1.0
ypred[59]	0.11	0.01	0.68	-1.24	-0.33	0.1	0.57	1.47	3978	1.0
ypred[60]	0.34	0.01	0.69	-1.04	-0.13	0.35	0.83	1.65	4110	1.0
ypred[61]	0.02	0.01	0.69	-1.34	-0.44	5.4e-3	0.48	1.42	3810	1.0
ypred[62]	-0.56	0.01	0.68	-1.9	-1.01	-0.56	-0.09	0.79	3841	1.0
ypred[63]	-0.87	0.01	0.69	-2.21	-1.33	-0.88	-0.41	0.48	3886	1.0
ypred[64]	0.55	0.01	0.68	-0.76	0.09	0.55	1.02	1.86	3585	1.0
ypred[65]	-0.13	0.01	0.67	-1.46	-0.59	-0.13	0.31	1.22	3933	1.0
ypred[66]	-0.47	0.01	0.67	-1.8	-0.92	-0.47	-0.03	0.84	4117	1.0
ypred[67]	0.97	0.01	0.67	-0.32	0.53	0.96	1.41	2.3	3958	1.0
ypred[68]	0.94	0.01	0.67	-0.38	0.46	0.95	1.39	2.24	4076	1.0
ypred[69]	0.88	0.01	0.69	-0.46	0.4	0.88	1.33	2.22	4093	1.0
ypred[70]	0.68	0.01	0.68	-0.66	0.22	0.67	1.14	2.01	4185	1.0
ypred[71]	0.54	0.01	0.69	-0.81	0.08	0.54	1.0	1.89	4099	1.0
ypred[72]	-0.45	0.01	0.69	-1.79	-0.92	-0.46	0.01	0.93	4277	1.0
ypred[73]	-0.04	0.01	0.68	-1.37	-0.51	-0.03	0.41	1.3	4311	1.0
ypred[74]	-0.5	0.01	0.68	-1.84	-0.96	-0.51	-0.04	0.82	4177	1.0
ypred[75]	0.03	0.01	0.68	-1.27	-0.44	0.03	0.47	1.44	3966	1.0
ypred[76]	0.04	0.01	0.67	-1.24	-0.42	0.03	0.49	1.36	3906	1.0
ypred[77]	0.48	0.01	0.68	-0.83	4.0e-3	0.47	0.96	1.82	3783	1.0
ypred[78]	0.29	0.01	0.69	-1.02	-0.18	0.3	0.75	1.63	3887	1.0
ypred[79]	-0.07	0.01	0.69	-1.45	-0.53	-0.05	0.4	1.24	3522	1.0
ypred[80]	-0.49	0.01	0.68	-1.85	-0.96	-0.49	-0.02	0.81	3916	1.0

ypred[81]	-0.92	0.01	0.68	-2.23	-1.37	-0.92	-0.47	0.44	3894	1.0
ypred[82]	-0.42	0.01	0.68	-1.77	-0.88	-0.42	0.03	0.91	3940	1.0
ypred[83]	-0.53	0.01	0.69	-1.88	-1.01	-0.52	-0.05	0.81	3417	1.0
ypred[84]	0.43	0.01	0.69	-0.94	-0.02	0.43	0.88	1.78	3859	1.0
ypred[85]	-0.66	0.01	0.68	-2.0	-1.11	-0.64	-0.22	0.67	4110	1.0
ypred[86]	2.67	0.01	0.7	1.27	2.2	2.69	3.15	4.02	3966	1.0
ypred[87]	-0.67	0.01	0.68	-2.02	-1.13	-0.65	-0.21	0.64	3948	1.0
ypred[88]	0.03	0.01	0.69	-1.3	-0.45	0.04	0.5	1.36	4016	1.0
ypred[89]	-1.15	0.01	0.69	-2.52	-1.61	-1.15	-0.68	0.2	3914	1.0
ypred[90]	0.06	0.01	0.68	-1.25	-0.4	0.07	0.52	1.41	3816	1.0
ypred[91]	1.67	0.01	0.68	0.3	1.21	1.67	2.13	2.98	4037	1.0
ypred[92]	-0.21	0.01	0.68	-1.56	-0.67	-0.21	0.26	1.11	4123	1.0
ypred[93]	0.56	0.01	0.68	-0.75	0.1	0.56	1.02	1.92	4107	1.0
ypred[94]	0.4	0.01	0.68	-0.87	-0.06	0.38	0.84	1.77	3990	1.0
ypred[95]	1.65	0.01	0.68	0.31	1.19	1.64	2.11	3.02	3407	1.0
ypred[96]	0.55	0.01	0.69	-0.77	0.08	0.56	1.01	1.95	4108	1.0
ypred[97]	0.22	0.01	0.68	-1.13	-0.23	0.22	0.69	1.54	4067	1.0
ypred[98]	-0.01	0.01	0.67	-1.33	-0.46	-5.4e-3	0.44	1.34	3907	1.0
ypred[99]	-1.15	0.01	0.69	-2.51	-1.62	-1.15	-0.68	0.19	3949	1.0
ypred[100]	0.52	0.01	0.7	-0.82	0.04	0.53	0.98	1.91	3937	1.0
ypred[101]	-0.65	0.01	0.68	-1.99	-1.11	-0.65	-0.2	0.69	4223	1.0
ypred[102]	1.65	0.01	0.69	0.28	1.17	1.65	2.12	2.98	4145	1.0
ypred[103]	-0.02	0.01	0.68	-1.36	-0.48	-0.02	0.43	1.31	3937	1.0
ypred[104]	0.32	0.01	0.68	-1.04	-0.14	0.32	0.77	1.65	3690	1.0
ypred[105]	0.41	0.01	0.68	-0.9	-0.05	0.41	0.87	1.75	4068	1.0
ypred[106]	-0.29	0.01	0.68	-1.62	-0.75	-0.28	0.17	1.11	3708	1.0
ypred[107]	0.12	0.01	0.69	-1.2	-0.33	0.11	0.57	1.51	3481	1.0
ypred[108]	-1.11	0.01	0.7	-2.48	-1.59	-1.11	-0.62	0.24	4111	1.0
ypred[109]	0.42	0.01	0.68	-0.9	-0.02	0.43	0.89	1.76	4059	1.0
ypred[110]	-5.0e-3	0.01	0.69	-1.34	-0.47	6.7e-3	0.44	1.38	3514	1.0
ypred[111]	-0.52	0.01	0.69	-1.87	-0.98	-0.52	-0.07	0.83	3978	1.0
ypred[112]	-0.31	0.01	0.69	-1.7	-0.76	-0.3	0.17	1.03	3958	1.0
ypred[113]	0.22	0.01	0.68	-1.12	-0.24	0.23	0.69	1.57	3737	1.0
ypred[114]	2.73	0.01	0.68	1.43	2.27	2.74	3.2	4.08	4093	1.0
ypred[115]	2.03	0.01	0.69	0.69	1.56	2.04	2.49	3.38	3604	1.0
ypred[116]	0.59	0.01	0.68	-0.7	0.12	0.59	1.05	1.92	4002	1.0
ypred[117]	0.51	0.01	0.67	-0.79	0.08	0.51	0.96	1.84	4042	1.0
ypred[118]	-0.44	0.01	0.68	-1.8	-0.9	-0.44	0.01	0.89	3851	1.0
ypred[119]	0.65	0.01	0.7	-0.67	0.19	0.64	1.11	2.05	4065	1.0
ypred[120]	-0.27	0.01	0.68	-1.62	-0.72	-0.28	0.2	1.03	3896	1.0
ypred[121]	1.29	0.01	0.69	-0.12	0.83	1.3	1.76	2.65	3750	1.0
ypred[122]	-1.16	0.01	0.68	-2.48	-1.62	-1.17	-0.71	0.22	3955	1.0
ypred[123]	-0.04	0.01	0.7	-1.4	-0.52	-0.04	0.44	1.3	3713	1.0
ypred[124]	0.47	0.01	0.68	-0.84	6.8e-3	0.46	0.93	1.83	3613	1.0
ypred[125]	0.07	0.01	0.7	-1.32	-0.41	0.07	0.55	1.43	4008	1.0
ypred[126]	0.2	0.01	0.7	-1.2	-0.26	0.21	0.68	1.56	3864	1.0
ypred[127]	0.74	0.01	0.68	-0.61	0.3	0.74	1.19	2.12	4040	1.0
ypred[128]	-0.77	0.01	0.69	-2.14	-1.24	-0.77	-0.31	0.58	4312	1.0

ypred[129]	-0.12	0.01	0.69	-1.45	-0.59	-0.12	0.34	1.21	3890	1.0
ypred[130]	-0.76	0.01	0.67	-2.06	-1.22	-0.77	-0.3	0.56	3911	1.0
ypred[131]	-0.12	0.01	0.69	-1.47	-0.58	-0.12	0.34	1.22	3946	1.0
ypred[132]	-0.21	0.01	0.68	-1.55	-0.68	-0.19	0.25	1.15	3774	1.0
ypred[133]	0.32	0.01	0.69	-1.05	-0.14	0.34	0.8	1.64	4037	1.0
ypred[134]	0.13	0.01	0.68	-1.18	-0.33	0.12	0.58	1.48	3929	1.0
ypred[135]	0.45	0.01	0.69	-0.88	-0.02	0.45	0.94	1.77	4033	1.0
ypred[136]	0.44	0.01	0.69	-0.92	-7.7e-3	0.43	0.91	1.79	3846	1.0
ypred[137]	0.15	0.01	0.67	-1.17	-0.29	0.13	0.59	1.46	4117	1.0
ypred[138]	0.87	0.01	0.69	-0.51	0.42	0.89	1.33	2.21	4184	1.0
ypred[139]	0.36	0.01	0.69	-0.97	-0.11	0.36	0.82	1.74	3984	1.0
ypred[140]	-0.95	0.01	0.7	-2.33	-1.41	-0.94	-0.48	0.42	4152	1.0
ypred[141]	-0.63	0.01	0.68	-1.96	-1.09	-0.64	-0.19	0.7	3846	1.0
ypred[142]	-0.45	0.01	0.67	-1.81	-0.9	-0.45	3.9e-3	0.85	3684	1.0
ypred[143]	-0.29	0.01	0.68	-1.62	-0.75	-0.31	0.16	1.05	3895	1.0
ypred[144]	-0.4	0.01	0.68	-1.7	-0.86	-0.41	0.05	0.94	4106	1.0
ypred[145]	0.06	0.01	0.69	-1.28	-0.4	0.07	0.52	1.42	4004	1.0
ypred[146]	-0.28	0.01	0.68	-1.62	-0.73	-0.28	0.18	1.05	4022	1.0
ypred[147]	0.76	0.01	0.68	-0.58	0.3	0.76	1.22	2.11	3964	1.0
ypred[148]	0.71	0.01	0.68	-0.63	0.26	0.71	1.17	2.04	3889	1.0
ypred[149]	-0.53	0.01	0.67	-1.83	-0.98	-0.54	-0.07	0.8	3968	1.0
ypred[150]	0.81	0.01	0.69	-0.53	0.35	0.8	1.26	2.19	4340	1.0
ypred[151]	-0.47	0.01	0.69	-1.81	-0.93	-0.45	-9.1e-3	0.85	3974	1.0
ypred[152]	-0.61	0.01	0.69	-1.95	-1.06	-0.62	-0.15	0.77	4037	1.0
ypred[153]	-0.13	0.01	0.7	-1.47	-0.6	-0.13	0.34	1.29	4026	1.0
ypred[154]	2.14	0.01	0.69	0.78	1.68	2.15	2.6	3.44	3727	1.0
ypred[155]	-0.25	0.01	0.69	-1.58	-0.71	-0.25	0.22	1.12	3923	1.0
ypred[156]	1.99	0.01	0.69	0.67	1.54	1.99	2.44	3.37	3805	1.0
ypred[157]	2.22	0.01	0.69	0.83	1.76	2.23	2.7	3.61	3511	1.0
ypred[158]	-0.3	0.01	0.69	-1.68	-0.76	-0.3	0.15	1.07	3782	1.0
ypred[159]	-0.12	0.01	0.67	-1.47	-0.56	-0.11	0.33	1.21	3968	1.0
ypred[160]	3.29	0.01	0.69	1.94	2.84	3.27	3.76	4.63	4099	1.0
ypred[161]	-0.2	0.01	0.69	-1.58	-0.66	-0.2	0.27	1.14	3965	1.0
ypred[162]	-0.54	0.01	0.68	-1.86	-1.01	-0.53	-0.08	0.78	4130	1.0
ypred[163]	-0.36	0.01	0.67	-1.71	-0.81	-0.36	0.11	0.94	3614	1.0
ypred[164]	-0.65	0.01	0.68	-1.99	-1.14	-0.66	-0.19	0.71	4077	1.0
ypred[165]	-0.53	0.01	0.67	-1.84	-1.0	-0.53	-0.07	0.77	3853	1.0
ypred[166]	0.84	0.01	0.7	-0.53	0.36	0.84	1.31	2.22	4117	1.0
ypred[167]	-0.59	0.01	0.68	-1.89	-1.05	-0.59	-0.12	0.69	3814	1.0
ypred[168]	0.03	0.01	0.68	-1.3	-0.42	0.04	0.48	1.37	3628	1.0
ypred[169]	0.12	0.01	0.67	-1.19	-0.34	0.11	0.57	1.44	3862	1.0
ypred[170]	-0.52	0.01	0.7	-1.9	-0.98	-0.51	-0.04	0.84	4145	1.0
ypred[171]	-0.62	0.01	0.68	-1.93	-1.08	-0.63	-0.16	0.68	3906	1.0
ypred[172]	0.83	0.01	0.69	-0.52	0.36	0.83	1.31	2.16	4093	1.0
ypred[173]	1.31	0.01	0.68	-0.01	0.85	1.31	1.76	2.67	3190	1.0
ypred[174]	-0.09	0.01	0.68	-1.43	-0.54	-0.08	0.37	1.23	3909	1.0
ypred[175]	0.32	0.01	0.7	-1.09	-0.15	0.32	0.8	1.68	3996	1.0
ypred[176]	-0.43	0.01	0.69	-1.75	-0.9	-0.44	0.03	0.9	3955	1.0

ypred[177]	-0.03	0.01	0.67	-1.33	-0.47	-0.02	0.41	1.31	4047	1.0
ypred[178]	-0.06	0.01	0.68	-1.42	-0.53	-0.05	0.4	1.28	3715	1.0
ypred[179]	-0.87	0.01	0.7	-2.22	-1.34	-0.87	-0.38	0.51	3504	1.0
ypred[180]	-0.21	0.01	0.7	-1.57	-0.68	-0.21	0.26	1.21	4051	1.0
ypred[181]	-0.57	0.01	0.69	-1.94	-1.04	-0.56	-0.1	0.77	3697	1.0
ypred[182]	0.92	0.01	0.7	-0.48	0.45	0.91	1.38	2.28	3836	1.0
ypred[183]	0.33	0.01	0.68	-1.04	-0.13	0.33	0.79	1.65	3997	1.0
ypred[184]	0.73	0.01	0.68	-0.61	0.29	0.72	1.18	2.06	3862	1.0
ypred[185]	-0.08	0.01	0.68	-1.4	-0.55	-0.07	0.38	1.27	3723	1.0
ypred[186]	0.26	0.01	0.69	-1.08	-0.2	0.26	0.73	1.6	4063	1.0
ypred[187]	0.33	0.01	0.69	-1.02	-0.14	0.31	0.79	1.69	3811	1.0
ypred[188]	-0.21	0.01	0.68	-1.53	-0.68	-0.21	0.24	1.14	3942	1.0
ypred[189]	-0.61	0.01	0.69	-1.96	-1.06	-0.61	-0.14	0.76	4164	1.0
ypred[190]	-0.28	0.01	0.67	-1.61	-0.72	-0.28	0.17	1.02	4047	1.0
ypred[191]	0.78	0.01	0.68	-0.6	0.32	0.78	1.24	2.09	4135	1.0
ypred[192]	-0.67	0.01	0.68	-2.0	-1.13	-0.68	-0.2	0.63	4012	1.0
ypred[193]	-0.26	0.01	0.68	-1.56	-0.74	-0.26	0.19	1.08	3964	1.0
ypred[194]	-0.07	0.01	0.68	-1.41	-0.53	-0.07	0.39	1.27	4042	1.0
ypred[195]	1.91	0.01	0.68	0.6	1.45	1.91	2.36	3.23	3946	1.0
ypred[196]	0.05	0.01	0.69	-1.28	-0.42	0.04	0.51	1.42	3924	1.0
ypred[197]	0.49	0.01	0.69	-0.87	0.04	0.49	0.94	1.88	3869	1.0
ypred[198]	-0.14	0.01	0.69	-1.49	-0.59	-0.13	0.32	1.19	3857	1.0
ypred[199]	-0.44	0.01	0.68	-1.78	-0.9	-0.45	0.02	0.88	4108	1.0
ypred[200]	-0.4	0.01	0.68	-1.73	-0.87	-0.4	0.05	0.93	3794	1.0
y_predicted[1]	-0.29	3.6e-4	0.02	-0.33	-0.3	-0.29	-0.27	-0.24	4380	1.0
y_predicted[2]	-0.72	3.5e-4	0.02	-0.77	-0.74	-0.72	-0.71	-0.67	4835	1.0
y_predicted[3]	-0.19	4.3e-4	0.03	-0.25	-0.21	-0.19	-0.18	-0.14	4330	1.0
y_predicted[4]	-1.08	4.4e-4	0.03	-1.14	-1.1	-1.09	-1.06	-1.03	4585	1.0
y_predicted[5]	-1.22	4.8e-4	0.03	-1.28	-1.24	-1.22	-1.2	-1.15	4653	1.0
y_predicted[6]	0.91	5.6e-4	0.04	0.83	0.88	0.9	0.93	0.98	4613	1.0
y_predicted[7]	-1.06	4.6e-4	0.03	-1.13	-1.09	-1.06	-1.04	-1.0	5019	1.0
y_predicted[8]	1.33	7.1e-4	0.05	1.23	1.29	1.33	1.36	1.42	4706	1.0
y_predicted[9]	-0.62	3.2e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4852	1.0
y_predicted[10]	-0.63	3.3e-4	0.02	-0.67	-0.64	-0.63	-0.61	-0.58	4951	1.0
y_predicted[11]	-0.28	4.8e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	4641	1.0
y_predicted[12]	-0.07	5.2e-4	0.04	-0.15	-0.1	-0.07	-0.04	7.5e-3	5931	1.0
y_predicted[13]	-0.14	3.9e-4	0.03	-0.19	-0.15	-0.14	-0.12	-0.08	4776	1.0
y_predicted[14]	-0.54	2.9e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4979	1.0
y_predicted[15]	0.6	6.6e-4	0.04	0.51	0.57	0.6	0.63	0.69	4592	1.0
y_predicted[16]	-0.1	5.5e-4	0.04	-0.18	-0.13	-0.1	-0.08	-0.03	4279	1.0
y_predicted[17]	-0.77	3.9e-4	0.03	-0.83	-0.79	-0.77	-0.76	-0.72	4876	1.0
y_predicted[18]	1.45	6.9e-4	0.05	1.36	1.42	1.45	1.48	1.54	4473	1.0
y_predicted[19]	-1.03	4.9e-4	0.03	-1.1	-1.06	-1.03	-1.01	-0.97	4589	1.0
y_predicted[20]	1.72	8.3e-4	0.06	1.61	1.68	1.72	1.76	1.84	5084	1.0
y_predicted[21]	1.33	7.5e-4	0.05	1.22	1.29	1.33	1.36	1.43	5132	1.0
y_predicted[22]	1.17	6.4e-4	0.04	1.09	1.14	1.17	1.2	1.26	4593	1.0
y_predicted[23]	1.13	6.6e-4	0.04	1.05	1.1	1.13	1.16	1.22	4516	1.0
y_predicted[24]	-0.7	4.7e-4	0.03	-0.77	-0.72	-0.7	-0.68	-0.63	5373	1.0

y_predicted[25]	1.83	8.5e-4	0.06	1.71	1.79	1.83	1.86	1.94	4501	1.0
y_predicted[26]	0.47	4.7e-4	0.03	0.41	0.45	0.47	0.5	0.54	4745	1.0
y_predicted[27]	-0.8	4.3e-4	0.03	-0.86	-0.82	-0.8	-0.78	-0.74	5060	1.0
y_predicted[28]	-0.72	3.6e-4	0.03	-0.77	-0.74	-0.72	-0.7	-0.67	4877	1.0
y_predicted[29]	0.06	5.8e-4	0.04	-0.01	0.03	0.06	0.08	0.13	3894	1.0
y_predicted[30]	0.04	3.8e-4	0.03	-0.02	0.02	0.03	0.05	0.09	4902	1.0
y_predicted[31]	0.05	5.6e-4	0.04	-0.02	0.02	0.05	0.07	0.12	4019	1.0
y_predicted[32]	-0.67	3.4e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4806	1.0
y_predicted[33]	-0.46	3.6e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.41	4756	1.0
y_predicted[34]	-0.35	4.1e-4	0.03	-0.41	-0.37	-0.36	-0.34	-0.3	4622	1.0
y_predicted[35]	-0.37	5.2e-4	0.04	-0.44	-0.39	-0.37	-0.34	-0.29	4736	1.0
y_predicted[36]	0.06	6.1e-4	0.04	-0.01	0.04	0.07	0.09	0.14	4206	1.0
y_predicted[37]	0.5	4.5e-4	0.03	0.43	0.48	0.5	0.52	0.56	4763	1.0
y_predicted[38]	-1.42	6.1e-4	0.04	-1.5	-1.44	-1.42	-1.39	-1.34	4564	1.0
y_predicted[39]	-0.52	6.1e-4	0.04	-0.59	-0.55	-0.52	-0.49	-0.44	4162	1.0
y_predicted[40]	0.14	5.5e-4	0.04	0.07	0.12	0.14	0.17	0.22	4881	1.0
y_predicted[41]	-0.4	4.3e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	4676	1.0
y_predicted[42]	-0.58	3.1e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4721	1.0
y_predicted[43]	0.4	4.6e-4	0.03	0.34	0.38	0.4	0.42	0.47	4771	1.0
y_predicted[44]	-0.17	3.5e-4	0.03	-0.22	-0.19	-0.17	-0.16	-0.12	5232	1.0
y_predicted[45]	-0.22	4.2e-4	0.03	-0.28	-0.24	-0.22	-0.21	-0.17	4108	1.0
y_predicted[46]	-0.29	3.1e-4	0.02	-0.34	-0.31	-0.29	-0.28	-0.25	4983	1.0
y_predicted[47]	0.98	8.4e-4	0.06	0.87	0.94	0.98	1.02	1.09	4701	1.0
y_predicted[48]	-1.0	4.3e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.94	4954	1.0
y_predicted[49]	-0.06	3.3e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	4709	1.0
y_predicted[50]	-0.56	3.1e-4	0.02	-0.6	-0.58	-0.56	-0.55	-0.52	4706	1.0
y_predicted[51]	-0.04	3.4e-4	0.02	-0.09	-0.06	-0.04	-0.03	4.0e-3	4514	1.0
y_predicted[52]	-0.78	4.3e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.72	4508	1.0
y_predicted[53]	-0.99	4.2e-4	0.03	-1.04	-1.01	-0.99	-0.97	-0.93	4656	1.0
y_predicted[54]	0.74	5.9e-4	0.04	0.66	0.71	0.74	0.77	0.82	4978	1.0
y_predicted[55]	0.07	3.0e-4	0.02	0.03	0.05	0.07	0.08	0.11	4605	1.0
y_predicted[56]	-0.44	3.9e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.39	4819	1.0
y_predicted[57]	-0.68	3.9e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.63	4949	1.0
y_predicted[58]	0.64	4.5e-4	0.03	0.58	0.62	0.64	0.66	0.7	4551	1.0
y_predicted[59]	0.12	3.2e-4	0.02	0.08	0.11	0.12	0.14	0.16	4608	1.0
y_predicted[60]	0.36	6.0e-4	0.05	0.27	0.33	0.37	0.4	0.45	5731	1.0
y_predicted[61]	0.02	3.7e-4	0.03	-0.03	4.6e-3	0.02	0.04	0.07	5206	1.0
y_predicted[62]	-0.55	5.9e-4	0.04	-0.63	-0.58	-0.55	-0.53	-0.48	4169	1.0
y_predicted[63]	-0.87	4.3e-4	0.03	-0.93	-0.89	-0.87	-0.85	-0.81	4987	1.0
y_predicted[64]	0.55	5.5e-4	0.04	0.48	0.52	0.55	0.57	0.62	4616	1.0
y_predicted[65]	-0.13	3.9e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	4807	1.0
y_predicted[66]	-0.46	3.1e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	4642	1.0
y_predicted[67]	0.97	4.5e-4	0.03	0.91	0.95	0.97	0.99	1.03	4657	1.0
y_predicted[68]	0.95	9.6e-4	0.06	0.82	0.9	0.95	0.99	1.07	4525	1.0
y_predicted[69]	0.89	5.3e-4	0.04	0.82	0.86	0.88	0.91	0.96	4504	1.0
y_predicted[70]	0.68	6.9e-4	0.05	0.58	0.65	0.68	0.71	0.78	5107	1.0
y_predicted[71]	0.53	4.7e-4	0.03	0.47	0.51	0.53	0.55	0.59	4660	1.0
y_predicted[72]	-0.45	3.0e-4	0.02	-0.49	-0.47	-0.46	-0.44	-0.41	4703	1.0

y_predicted[73]	-0.03	3.9e-4	0.03	-0.08	-0.04	-0.03	-6.9e-3	0.03	5000	1.0
y_predicted[74]	-0.51	3.0e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4740	1.0
y_predicted[75]	0.03	3.9e-4	0.03	-0.02	0.02	0.03	0.05	0.09	5202	1.0
y_predicted[76]	0.05	3.2e-4	0.02	5.5e-3	0.03	0.05	0.06	0.09	4687	1.0
y_predicted[77]	0.49	5.0e-4	0.03	0.42	0.46	0.49	0.51	0.55	4835	1.0
y_predicted[78]	0.29	4.8e-4	0.03	0.23	0.27	0.29	0.31	0.35	4566	1.0
y_predicted[79]	-0.07	3.5e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.03	4464	1.0
y_predicted[80]	-0.48	2.8e-4	0.02	-0.52	-0.5	-0.48	-0.47	-0.44	5070	1.0
y_predicted[81]	-0.91	4.2e-4	0.03	-0.97	-0.93	-0.91	-0.89	-0.85	5011	1.0
y_predicted[82]	-0.42	5.1e-4	0.04	-0.49	-0.44	-0.42	-0.4	-0.35	4658	1.0
y_predicted[83]	-0.53	5.5e-4	0.04	-0.6	-0.55	-0.53	-0.51	-0.46	4215	1.0
y_predicted[84]	0.44	6.6e-4	0.04	0.36	0.41	0.44	0.47	0.52	4169	1.0
y_predicted[85]	-0.66	3.8e-4	0.03	-0.72	-0.68	-0.66	-0.65	-0.61	5000	1.0
y_predicted[86]	2.69	1.2e-3	0.08	2.54	2.63	2.69	2.74	2.84	4568	1.0
y_predicted[87]	-0.67	4.8e-4	0.03	-0.74	-0.69	-0.67	-0.65	-0.61	4790	1.0
y_predicted[88]	0.05	5.6e-4	0.04	-0.03	0.03	0.05	0.08	0.13	5042	1.0
y_predicted[89]	-1.17	4.5e-4	0.03	-1.23	-1.19	-1.17	-1.15	-1.11	4621	1.0
y_predicted[90]	0.06	6.1e-4	0.04	-0.03	0.03	0.06	0.09	0.14	5264	1.0
y_predicted[91]	1.67	9.0e-4	0.06	1.54	1.63	1.67	1.71	1.79	4587	1.0
y_predicted[92]	-0.19	3.8e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.14	5019	1.0
y_predicted[93]	0.58	7.4e-4	0.05	0.48	0.54	0.58	0.61	0.68	4692	1.0
y_predicted[94]	0.4	4.4e-4	0.03	0.35	0.39	0.4	0.42	0.46	4297	1.0
y_predicted[95]	1.64	6.5e-4	0.04	1.56	1.61	1.64	1.67	1.73	4520	1.0
y_predicted[96]	0.56	5.6e-4	0.04	0.48	0.53	0.56	0.58	0.63	4156	1.0
y_predicted[97]	0.19	4.6e-4	0.03	0.13	0.17	0.19	0.21	0.25	4403	1.0
y_predicted[98]	-0.01	3.1e-4	0.02	-0.06	-0.03	-0.02	-1.2e-3	0.03	4614	1.0
y_predicted[99]	-1.14	5.2e-4	0.04	-1.21	-1.16	-1.13	-1.11	-1.07	4672	1.0
y_predicted[100]	0.52	5.9e-4	0.04	0.44	0.49	0.52	0.55	0.6	4986	1.0
y_predicted[101]	-0.66	4.7e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	4371	1.0
y_predicted[102]	1.63	7.5e-4	0.05	1.54	1.6	1.63	1.67	1.73	4535	1.0
y_predicted[103]	-0.02	4.3e-4	0.03	-0.08	-0.04	-0.02	3.0e-3	0.04	5378	1.0
y_predicted[104]	0.34	4.5e-4	0.03	0.28	0.31	0.33	0.36	0.39	4600	1.0
y_predicted[105]	0.42	4.9e-4	0.03	0.35	0.39	0.42	0.44	0.48	4611	1.0
y_predicted[106]	-0.29	5.2e-4	0.04	-0.36	-0.31	-0.29	-0.27	-0.22	4801	1.0
y_predicted[107]	0.11	4.8e-4	0.03	0.05	0.09	0.11	0.14	0.18	4956	1.0
y_predicted[108]	-1.12	4.3e-4	0.03	-1.17	-1.13	-1.12	-1.1	-1.06	4620	1.0
y_predicted[109]	0.44	7.6e-4	0.05	0.33	0.4	0.44	0.47	0.55	5226	1.0
y_predicted[110]	-9.0e-3	5.1e-4	0.04	-0.08	-0.03	-9.3e-3	0.02	0.06	5025	1.0
y_predicted[111]	-0.52	3.0e-4	0.02	-0.56	-0.53	-0.52	-0.51	-0.48	4807	1.0
y_predicted[112]	-0.32	3.5e-4	0.02	-0.36	-0.33	-0.32	-0.3	-0.27	4420	1.0
y_predicted[113]	0.22	4.8e-4	0.03	0.15	0.2	0.22	0.24	0.28	4514	1.0
y_predicted[114]	2.71	1.2e-3	0.08	2.56	2.66	2.71	2.77	2.87	4589	1.0
y_predicted[115]	2.03	9.0e-4	0.06	1.91	1.99	2.03	2.07	2.15	4577	1.0
y_predicted[116]	0.61	4.4e-4	0.03	0.55	0.59	0.61	0.63	0.67	4548	1.0
y_predicted[117]	0.5	4.7e-4	0.03	0.44	0.48	0.5	0.52	0.57	4725	1.0
y_predicted[118]	-0.44	4.7e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.37	5000	1.0
y_predicted[119]	0.65	4.5e-4	0.03	0.6	0.63	0.65	0.67	0.71	4539	1.0
y_predicted[120]	-0.27	3.4e-4	0.02	-0.31	-0.28	-0.27	-0.25	-0.22	4636	1.0

y_predicted[121]	1.28	1.2e-3	0.08	1.12	1.23	1.28	1.34	1.44	5024	1.0
y_predicted[122]	-1.15	5.4e-4	0.04	-1.22	-1.18	-1.15	-1.13	-1.08	4709	1.0
y_predicted[123]	-0.03	3.1e-4	0.02	-0.08	-0.05	-0.03	-0.02	7.7e-3	4713	1.0
y_predicted[124]	0.47	4.5e-4	0.03	0.41	0.45	0.47	0.49	0.53	4678	1.0
y_predicted[125]	0.08	3.1e-4	0.02	0.04	0.07	0.08	0.09	0.12	4635	1.0
y_predicted[126]	0.22	4.6e-4	0.03	0.16	0.2	0.22	0.24	0.28	4690	1.0
y_predicted[127]	0.76	5.3e-4	0.04	0.69	0.74	0.76	0.78	0.83	4589	1.0
y_predicted[128]	-0.77	9.6e-4	0.07	-0.91	-0.82	-0.77	-0.72	-0.63	5317	1.0
y_predicted[129]	-0.12	3.3e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	4796	1.0
y_predicted[130]	-0.77	4.4e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	4923	1.0
y_predicted[131]	-0.14	3.4e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	4803	1.0
y_predicted[132]	-0.23	4.4e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.17	4897	1.0
y_predicted[133]	0.31	3.9e-4	0.03	0.26	0.29	0.31	0.33	0.36	4330	1.0
y_predicted[134]	0.13	5.4e-4	0.04	0.06	0.11	0.13	0.16	0.21	4833	1.0
y_predicted[135]	0.44	4.7e-4	0.03	0.38	0.42	0.44	0.46	0.51	4625	1.0
y_predicted[136]	0.42	3.7e-4	0.02	0.38	0.41	0.43	0.44	0.47	4142	1.0
y_predicted[137]	0.14	3.2e-4	0.02	0.09	0.12	0.14	0.15	0.18	4601	1.0
y_predicted[138]	0.87	7.1e-4	0.05	0.76	0.83	0.87	0.9	0.97	5364	1.0
y_predicted[139]	0.36	5.0e-4	0.03	0.29	0.34	0.36	0.39	0.43	4925	1.0
y_predicted[140]	-0.95	4.5e-4	0.03	-1.02	-0.97	-0.95	-0.93	-0.89	4552	1.0
y_predicted[141]	-0.64	4.9e-4	0.03	-0.7	-0.66	-0.64	-0.61	-0.57	4991	1.0
y_predicted[142]	-0.44	5.1e-4	0.04	-0.51	-0.46	-0.43	-0.41	-0.36	4878	1.0
y_predicted[143]	-0.28	3.2e-4	0.02	-0.32	-0.3	-0.28	-0.27	-0.24	4494	1.0
y_predicted[144]	-0.41	3.7e-4	0.03	-0.46	-0.42	-0.41	-0.39	-0.36	4751	1.0
y_predicted[145]	0.06	4.4e-4	0.03	7.9e-3	0.04	0.06	0.08	0.12	4267	1.0
y_predicted[146]	-0.28	4.4e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.21	4766	1.0
y_predicted[147]	0.76	8.9e-4	0.07	0.63	0.72	0.76	0.81	0.89	5460	1.0
y_predicted[148]	0.72	4.6e-4	0.03	0.66	0.7	0.72	0.74	0.78	4532	1.0
y_predicted[149]	-0.53	3.0e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.49	4793	1.0
y_predicted[150]	0.83	5.8e-4	0.04	0.75	0.8	0.83	0.85	0.9	4582	1.0
y_predicted[151]	-0.45	2.9e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	4879	1.0
y_predicted[152]	-0.6	3.8e-4	0.03	-0.65	-0.61	-0.6	-0.58	-0.54	4801	1.0
y_predicted[153]	-0.1	4.2e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	4940	1.0
y_predicted[154]	2.15	9.1e-4	0.06	2.03	2.11	2.15	2.19	2.27	4555	1.0
y_predicted[155]	-0.24	4.2e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.19	4173	1.0
y_predicted[156]	1.98	9.2e-4	0.06	1.85	1.94	1.98	2.02	2.1	4792	1.0
y_predicted[157]	2.22	9.5e-4	0.06	2.09	2.17	2.22	2.26	2.34	4475	1.0
y_predicted[158]	-0.3	4.0e-4	0.03	-0.35	-0.32	-0.3	-0.28	-0.24	4954	1.0
y_predicted[159]	-0.12	3.5e-4	0.02	-0.17	-0.14	-0.12	-0.1	-0.07	4901	1.0
y_predicted[160]	3.3	1.2e-3	0.08	3.14	3.24	3.3	3.35	3.45	4634	1.0
y_predicted[161]	-0.2	4.1e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	4617	1.0
y_predicted[162]	-0.56	3.3e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	5048	1.0
y_predicted[163]	-0.37	3.0e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	4824	1.0
y_predicted[164]	-0.68	3.4e-4	0.02	-0.72	-0.7	-0.68	-0.66	-0.63	4811	1.0
y_predicted[165]	-0.55	3.1e-4	0.02	-0.59	-0.56	-0.55	-0.53	-0.5	4906	1.0
y_predicted[166]	0.83	5.8e-4	0.04	0.75	0.8	0.83	0.85	0.9	4582	1.0
y_predicted[167]	-0.6	3.7e-4	0.03	-0.65	-0.62	-0.6	-0.58	-0.55	4794	1.0
y_predicted[168]	0.04	6.0e-4	0.04	-0.03	0.02	0.04	0.07	0.12	3893	1.0

y_predicted[169]	0.12	6.4e-4	0.04	0.04	0.09	0.12	0.15	0.2	4670	1.0
y_predicted[170]	-0.49	3.9e-4	0.03	-0.55	-0.51	-0.49	-0.48	-0.44	4718	1.0
y_predicted[171]	-0.62	3.2e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.58	4757	1.0
y_predicted[172]	0.82	8.1e-4	0.06	0.7	0.78	0.82	0.86	0.93	5366	1.0
y_predicted[173]	1.32	9.5e-4	0.07	1.18	1.27	1.32	1.36	1.45	5305	1.0
y_predicted[174]	-0.08	5.1e-4	0.03	-0.15	-0.11	-0.08	-0.06	-0.02	4358	1.0
y_predicted[175]	0.32	4.2e-4	0.03	0.26	0.3	0.32	0.34	0.37	4592	1.0
y_predicted[176]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	4637	1.0
y_predicted[177]	-0.03	3.2e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	4652	1.0
y_predicted[178]	-0.06	4.6e-4	0.03	-0.11	-0.08	-0.06	-0.04	1.7e-3	4112	1.0
y_predicted[179]	-0.87	4.2e-4	0.03	-0.93	-0.89	-0.88	-0.86	-0.82	4719	1.0
y_predicted[180]	-0.21	3.7e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.16	4984	1.0
y_predicted[181]	-0.57	4.3e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.51	5272	1.0
y_predicted[182]	0.92	4.3e-4	0.03	0.86	0.9	0.92	0.94	0.98	4898	1.0
y_predicted[183]	0.34	3.8e-4	0.03	0.29	0.32	0.34	0.36	0.39	5143	1.0
y_predicted[184]	0.73	4.5e-4	0.03	0.67	0.71	0.73	0.75	0.79	4539	1.0
y_predicted[185]	-0.09	4.1e-4	0.03	-0.14	-0.11	-0.09	-0.07	-0.03	4902	1.0
y_predicted[186]	0.27	5.8e-4	0.04	0.2	0.24	0.27	0.3	0.34	4284	1.0
y_predicted[187]	0.33	5.2e-4	0.04	0.26	0.31	0.33	0.36	0.41	5027	1.0
y_predicted[188]	-0.2	2.8e-4	0.02	-0.24	-0.21	-0.2	-0.19	-0.16	4844	1.0
y_predicted[189]	-0.62	3.3e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4916	1.0
y_predicted[190]	-0.28	4.0e-4	0.03	-0.33	-0.3	-0.28	-0.26	-0.23	4478	1.0
y_predicted[191]	0.78	7.3e-4	0.05	0.68	0.75	0.78	0.81	0.88	4625	1.0
y_predicted[192]	-0.67	3.5e-4	0.02	-0.72	-0.69	-0.67	-0.66	-0.62	4811	1.0
y_predicted[193]	-0.27	5.3e-4	0.04	-0.34	-0.29	-0.27	-0.24	-0.19	4816	1.0
y_predicted[194]	-0.08	3.5e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4389	1.0
y_predicted[195]	1.9	8.5e-4	0.06	1.79	1.87	1.9	1.94	2.02	4475	1.0
y_predicted[196]	0.03	3.6e-4	0.03	-0.02	0.02	0.03	0.05	0.09	5371	1.0
y_predicted[197]	0.49	5.4e-4	0.04	0.41	0.46	0.49	0.51	0.56	4803	1.0
y_predicted[198]	-0.14	3.5e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.09	4818	1.0
y_predicted[199]	-0.44	5.8e-4	0.04	-0.52	-0.47	-0.44	-0.41	-0.36	4717	1.0
y_predicted[200]	-0.4	3.1e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	4675	1.0
loglik_pred[1]	-1.08	1.3e-3	0.09	-1.27	-1.14	-1.07	-1.01	-0.9	5040	1.0
loglik_pred[2]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4522	1.0
loglik_pred[3]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	4550	1.0
loglik_pred[4]	-0.67	4.6e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.61	4543	1.0
loglik_pred[5]	-0.95	8.7e-4	0.06	-1.07	-0.98	-0.95	-0.91	-0.84	4531	1.0
loglik_pred[6]	-0.57	3.1e-4	0.02	-0.61	-0.58	-0.57	-0.56	-0.53	4393	1.0
loglik_pred[7]	-0.93	5.3e-4	0.04	-1.01	-0.96	-0.93	-0.91	-0.86	4944	1.0
loglik_pred[8]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4476	1.0
loglik_pred[9]	-0.58	3.0e-4	0.02	-0.62	-0.59	-0.58	-0.57	-0.54	4395	1.0
loglik_pred[10]	-1.37	9.7e-4	0.07	-1.52	-1.42	-1.37	-1.33	-1.24	5273	1.0
loglik_pred[11]	-1.2	1.2e-3	0.09	-1.37	-1.25	-1.19	-1.14	-1.04	4775	1.0
loglik_pred[12]	-0.81	4.6e-4	0.03	-0.87	-0.83	-0.81	-0.79	-0.75	4728	1.0
loglik_pred[13]	-0.55	3.0e-4	0.02	-0.6	-0.57	-0.55	-0.54	-0.52	4368	1.0
loglik_pred[14]	-0.62	2.9e-4	0.02	-0.66	-0.64	-0.62	-0.61	-0.59	4468	1.0
loglik_pred[15]	-0.6	3.3e-4	0.02	-0.65	-0.62	-0.6	-0.59	-0.56	4536	1.0
loglik_pred[16]	-0.68	3.9e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.63	4747	1.0

loglik_pred[17]	-0.67	3.0e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.63	4837	1.0
loglik_pred[18]	-0.61	3.2e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.57	4576	1.0
loglik_pred[19]	-0.77	4.4e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	4936	1.0
loglik_pred[20]	-0.59	3.4e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	4276	1.0
loglik_pred[21]	-0.54	2.5e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4510	1.0
loglik_pred[22]	-0.61	6.1e-4	0.04	-0.7	-0.64	-0.61	-0.58	-0.54	4734	1.0
loglik_pred[23]	-0.62	3.0e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.58	5072	1.0
loglik_pred[24]	-0.75	5.0e-4	0.03	-0.81	-0.77	-0.75	-0.73	-0.69	4134	1.0
loglik_pred[25]	-1.15	7.4e-4	0.05	-1.25	-1.18	-1.15	-1.11	-1.06	4579	1.0
loglik_pred[26]	-0.57	2.6e-4	0.02	-0.6	-0.58	-0.57	-0.56	-0.53	4576	1.0
loglik_pred[27]	-0.63	3.5e-4	0.02	-0.68	-0.65	-0.63	-0.62	-0.59	5014	1.0
loglik_pred[28]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	4571	1.0
loglik_pred[29]	-0.85	7.2e-4	0.05	-0.95	-0.88	-0.84	-0.81	-0.75	4882	1.0
loglik_pred[30]	-0.58	3.1e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.54	4685	1.0
loglik_pred[31]	-0.63	3.7e-4	0.02	-0.68	-0.64	-0.63	-0.61	-0.58	4457	1.0
loglik_pred[32]	-0.59	3.0e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	4582	1.0
loglik_pred[33]	-0.54	2.7e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4186	1.0
loglik_pred[34]	-0.6	2.8e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.56	4581	1.0
loglik_pred[35]	-0.84	9.6e-4	0.07	-0.98	-0.88	-0.84	-0.8	-0.73	4553	1.0
loglik_pred[36]	-0.69	5.3e-4	0.04	-0.76	-0.71	-0.69	-0.66	-0.62	4523	1.0
loglik_pred[37]	-0.62	3.3e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	5414	1.0
loglik_pred[38]	-1.12	5.3e-4	0.04	-1.19	-1.14	-1.11	-1.09	-1.04	4830	1.0
loglik_pred[39]	-2.66	1.7e-3	0.11	-2.89	-2.73	-2.65	-2.58	-2.44	4703	1.0
loglik_pred[40]	-0.58	3.2e-4	0.02	-0.62	-0.59	-0.57	-0.56	-0.54	4563	1.0
loglik_pred[41]	-0.87	9.9e-4	0.07	-1.01	-0.91	-0.87	-0.82	-0.75	4834	1.0
loglik_pred[42]	-1.19	5.8e-4	0.04	-1.27	-1.21	-1.19	-1.16	-1.11	4770	1.0
loglik_pred[43]	-0.69	3.1e-4	0.02	-0.73	-0.7	-0.69	-0.68	-0.65	4517	1.0
loglik_pred[44]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4470	1.0
loglik_pred[45]	-0.9	5.5e-4	0.04	-0.98	-0.93	-0.9	-0.88	-0.83	4946	1.0
loglik_pred[46]	-2.43	1.2e-3	0.08	-2.58	-2.48	-2.43	-2.37	-2.27	4660	1.0
loglik_pred[47]	-0.57	2.9e-4	0.02	-0.61	-0.58	-0.57	-0.56	-0.53	4486	1.0
loglik_pred[48]	-0.74	3.6e-4	0.03	-0.79	-0.76	-0.74	-0.72	-0.69	5449	1.0
loglik_pred[49]	-0.55	2.9e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.51	4320	1.0
loglik_pred[50]	-0.77	5.3e-4	0.04	-0.84	-0.79	-0.77	-0.74	-0.7	4953	1.0
loglik_pred[51]	-0.62	2.9e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.59	4562	1.0
loglik_pred[52]	-0.55	2.9e-4	0.02	-0.6	-0.57	-0.55	-0.54	-0.52	4482	1.0
loglik_pred[53]	-1.07	7.9e-4	0.05	-1.17	-1.11	-1.07	-1.04	-0.97	4232	1.0
loglik_pred[54]	-0.66	4.1e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.61	4864	1.0
loglik_pred[55]	-0.69	5.0e-4	0.04	-0.76	-0.71	-0.69	-0.66	-0.62	5293	1.0
loglik_pred[56]	-1.92	1.2e-3	0.08	-2.09	-1.98	-1.92	-1.87	-1.76	4598	1.0
loglik_pred[57]	-0.91	6.7e-4	0.05	-1.0	-0.94	-0.9	-0.87	-0.82	4681	1.0
loglik_pred[58]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	4496	1.0
loglik_pred[59]	-3.21	2.8e-3	0.19	-3.59	-3.33	-3.2	-3.08	-2.84	4616	1.0
loglik_pred[60]	-0.84	7.3e-4	0.05	-0.94	-0.87	-0.84	-0.8	-0.75	4607	1.0
loglik_pred[61]	-0.85	5.6e-4	0.04	-0.92	-0.87	-0.85	-0.82	-0.78	4470	1.0
loglik_pred[62]	-0.94	7.1e-4	0.05	-1.04	-0.97	-0.94	-0.91	-0.85	4582	1.0
loglik_pred[63]	-0.75	3.6e-4	0.02	-0.8	-0.76	-0.75	-0.73	-0.7	4657	1.0
loglik_pred[64]	-0.68	3.8e-4	0.03	-0.74	-0.7	-0.68	-0.67	-0.63	4798	1.0

loglik_pred[65]	-0.76	8.7e-4	0.06	-0.89	-0.8	-0.76	-0.72	-0.65	4604	1.0
loglik_pred[66]	-0.56	3.2e-4	0.02	-0.6	-0.57	-0.56	-0.54	-0.52	4373	1.0
loglik_pred[67]	-0.96	6.9e-4	0.05	-1.06	-1.0	-0.96	-0.93	-0.87	4645	1.0
loglik_pred[68]	-16.83	0.02	1.07	-19.03	-17.53	-16.8	-16.09	-14.78	4374	1.0
loglik_pred[69]	-0.63	3.2e-4	0.02	-0.68	-0.64	-0.63	-0.61	-0.59	4924	1.0
loglik_pred[70]	-0.59	2.8e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.56	4705	1.0
loglik_pred[71]	-0.56	2.9e-4	0.02	-0.6	-0.57	-0.56	-0.54	-0.52	4442	1.0
loglik_pred[72]	-0.78	3.4e-4	0.02	-0.82	-0.79	-0.78	-0.76	-0.73	4589	1.0
loglik_pred[73]	-0.54	2.7e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4271	1.0
loglik_pred[74]	-0.71	4.5e-4	0.03	-0.77	-0.73	-0.71	-0.68	-0.65	4863	1.0
loglik_pred[75]	-0.55	2.7e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	4514	1.0
loglik_pred[76]	-0.6	3.2e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.56	4493	1.0
loglik_pred[77]	-0.78	4.8e-4	0.03	-0.85	-0.8	-0.78	-0.76	-0.72	4661	1.0
loglik_pred[78]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4523	1.0
loglik_pred[79]	-0.62	3.1e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4837	1.0
loglik_pred[80]	-0.55	2.6e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.52	4473	1.0
loglik_pred[81]	-0.98	7.4e-4	0.05	-1.08	-1.01	-0.97	-0.94	-0.88	4841	1.0
loglik_pred[82]	-1.19	1.0e-3	0.07	-1.33	-1.23	-1.18	-1.14	-1.06	4684	1.0
loglik_pred[83]	-0.56	3.4e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	4202	1.0
loglik_pred[84]	-0.85	6.3e-4	0.04	-0.94	-0.88	-0.85	-0.82	-0.77	4602	1.0
loglik_pred[85]	-3.83	4.8e-3	0.33	-4.49	-4.05	-3.83	-3.6	-3.22	4664	1.0
loglik_pred[86]	-1.24	8.0e-4	0.06	-1.35	-1.28	-1.24	-1.2	-1.13	5002	1.0
loglik_pred[87]	-0.93	4.4e-4	0.03	-0.99	-0.95	-0.93	-0.91	-0.87	4552	1.0
loglik_pred[88]	-0.64	3.0e-4	0.02	-0.68	-0.66	-0.64	-0.63	-0.61	4547	1.0
loglik_pred[89]	-0.57	2.8e-4	0.02	-0.61	-0.58	-0.57	-0.56	-0.54	4413	1.0
loglik_pred[90]	-1.64	1.6e-3	0.11	-1.86	-1.71	-1.64	-1.57	-1.44	4578	1.0
loglik_pred[91]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	4484	1.0
loglik_pred[92]	-0.69	3.6e-4	0.02	-0.74	-0.71	-0.69	-0.67	-0.64	4733	1.0
loglik_pred[93]	-0.84	8.5e-4	0.06	-0.95	-0.87	-0.83	-0.79	-0.73	4658	1.0
loglik_pred[94]	-0.57	3.3e-4	0.02	-0.62	-0.59	-0.57	-0.55	-0.53	4765	1.0
loglik_pred[95]	-0.82	3.6e-4	0.02	-0.87	-0.84	-0.82	-0.8	-0.77	4567	1.0
loglik_pred[96]	-0.73	5.0e-4	0.03	-0.79	-0.75	-0.72	-0.7	-0.66	4506	1.0
loglik_pred[97]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4475	1.0
loglik_pred[98]	-0.9	7.9e-4	0.06	-1.02	-0.94	-0.9	-0.86	-0.79	5251	1.0
loglik_pred[99]	-1.32	7.8e-4	0.05	-1.43	-1.35	-1.31	-1.28	-1.21	4887	1.0
loglik_pred[100]	-2.54	3.7e-3	0.25	-3.05	-2.7	-2.53	-2.36	-2.07	4677	1.0
loglik_pred[101]	-0.88	4.8e-4	0.03	-0.95	-0.9	-0.88	-0.85	-0.81	5040	1.0
loglik_pred[102]	-0.63	6.1e-4	0.04	-0.72	-0.65	-0.62	-0.6	-0.56	4462	1.0
loglik_pred[103]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4541	1.0
loglik_pred[104]	-0.62	2.8e-4	0.02	-0.66	-0.64	-0.62	-0.61	-0.59	4697	1.0
loglik_pred[105]	-0.76	5.0e-4	0.03	-0.82	-0.78	-0.76	-0.74	-0.7	3992	1.0
loglik_pred[106]	-1.09	5.8e-4	0.04	-1.17	-1.12	-1.09	-1.07	-1.02	4602	1.0
loglik_pred[107]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4491	1.0
loglik_pred[108]	-1.81	1.4e-3	0.1	-2.01	-1.88	-1.81	-1.74	-1.62	5208	1.0
loglik_pred[109]	-0.58	2.8e-4	0.02	-0.62	-0.59	-0.58	-0.57	-0.54	4779	1.0
loglik_pred[110]	-0.6	2.8e-4	0.02	-0.64	-0.62	-0.6	-0.59	-0.57	4705	1.0
loglik_pred[111]	-0.54	2.5e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	4585	1.0
loglik_pred[112]	-0.67	4.7e-4	0.03	-0.74	-0.69	-0.67	-0.65	-0.61	4857	1.0

loglik_pred[113]	-0.61	3.2e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.57	4671	1.0
loglik_pred[114]	-0.69	3.3e-4	0.02	-0.73	-0.7	-0.69	-0.67	-0.64	4597	1.0
loglik_pred[115]	-0.66	3.3e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.62	4315	1.0
loglik_pred[116]	-0.55	2.7e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	4439	1.0
loglik_pred[117]	-0.61	3.2e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.57	4546	1.0
loglik_pred[118]	-0.59	3.2e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.55	4397	1.0
loglik_pred[119]	-1.87	1.3e-3	0.09	-2.05	-1.93	-1.87	-1.81	-1.71	4596	1.0
loglik_pred[120]	-0.63	2.8e-4	0.02	-0.67	-0.64	-0.63	-0.62	-0.6	4591	1.0
loglik_pred[121]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4485	1.0
loglik_pred[122]	-0.54	2.5e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4529	1.0
loglik_pred[123]	-0.66	4.4e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.61	4202	1.0
loglik_pred[124]	-0.59	2.9e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	5072	1.0
loglik_pred[125]	-0.56	2.6e-4	0.02	-0.6	-0.57	-0.56	-0.55	-0.53	4720	1.0
loglik_pred[126]	-0.6	2.7e-4	0.02	-0.64	-0.61	-0.6	-0.59	-0.57	4658	1.0
loglik_pred[127]	-1.67	2.0e-3	0.13	-1.92	-1.75	-1.67	-1.59	-1.43	4224	1.0
loglik_pred[128]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4436	1.0
loglik_pred[129]	-0.6	3.1e-4	0.02	-0.64	-0.62	-0.6	-0.59	-0.56	4631	1.0
loglik_pred[130]	-0.95	6.6e-4	0.05	-1.04	-0.98	-0.95	-0.92	-0.86	4916	1.0
loglik_pred[131]	-0.7	3.4e-4	0.02	-0.75	-0.72	-0.7	-0.69	-0.66	5158	1.0
loglik_pred[132]	-1.24	9.6e-4	0.06	-1.37	-1.28	-1.24	-1.19	-1.11	4476	1.0
loglik_pred[133]	-1.36	1.8e-3	0.12	-1.61	-1.44	-1.36	-1.28	-1.12	5032	1.0
loglik_pred[134]	-0.79	4.3e-4	0.03	-0.84	-0.81	-0.79	-0.77	-0.73	4614	1.0
loglik_pred[135]	-1.15	8.3e-4	0.06	-1.27	-1.19	-1.15	-1.11	-1.04	4667	1.0
loglik_pred[136]	-0.76	1.0e-3	0.07	-0.9	-0.8	-0.75	-0.71	-0.64	4865	1.0
loglik_pred[137]	-1.02	1.0e-3	0.07	-1.16	-1.07	-1.02	-0.97	-0.89	4544	1.0
loglik_pred[138]	-0.55	2.6e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.52	4581	1.0
loglik_pred[139]	-0.92	8.5e-4	0.06	-1.04	-0.96	-0.92	-0.88	-0.81	4686	1.0
loglik_pred[140]	-0.55	2.7e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	4478	1.0
loglik_pred[141]	-0.94	6.8e-4	0.05	-1.03	-0.97	-0.94	-0.9	-0.85	4738	1.0
loglik_pred[142]	-3.72	3.3e-3	0.22	-4.14	-3.86	-3.72	-3.57	-3.3	4516	1.0
loglik_pred[143]	-0.77	3.4e-4	0.02	-0.81	-0.78	-0.77	-0.75	-0.72	4829	1.0
loglik_pred[144]	-0.61	3.6e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.56	4789	1.0
loglik_pred[145]	-0.9	6.3e-4	0.04	-0.99	-0.93	-0.9	-0.87	-0.82	4552	1.0
loglik_pred[146]	-0.57	3.6e-4	0.02	-0.62	-0.59	-0.57	-0.56	-0.53	4455	1.0
loglik_pred[147]	-0.58	3.0e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.55	4554	1.0
loglik_pred[148]	-0.57	2.8e-4	0.02	-0.61	-0.59	-0.57	-0.56	-0.54	4647	1.0
loglik_pred[149]	-0.54	2.5e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4549	1.0
loglik_pred[150]	-0.54	2.5e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4515	1.0
loglik_pred[151]	-1.13	7.7e-4	0.05	-1.24	-1.17	-1.13	-1.09	-1.02	4969	1.0
loglik_pred[152]	-0.56	2.6e-4	0.02	-0.59	-0.57	-0.56	-0.55	-0.52	4536	1.0
loglik_pred[153]	-0.63	3.6e-4	0.02	-0.68	-0.64	-0.63	-0.61	-0.58	4509	1.0
loglik_pred[154]	-3.7	4.1e-3	0.3	-4.3	-3.9	-3.69	-3.49	-3.12	5548	1.0
loglik_pred[155]	-5.97	3.3e-3	0.23	-6.42	-6.12	-5.97	-5.81	-5.54	4740	1.0
loglik_pred[156]	-0.55	3.0e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.51	4279	1.0
loglik_pred[157]	-0.62	3.3e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4331	1.0
loglik_pred[158]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	4482	1.0
loglik_pred[159]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4502	1.0
loglik_pred[160]	-0.64	4.5e-4	0.03	-0.71	-0.66	-0.64	-0.62	-0.59	4297	1.0

loglik_pred[161]	-0.6	3.7e-4	0.02	-0.65	-0.62	-0.6	-0.58	-0.56	4121	1.0
loglik_pred[162]	-0.85	3.7e-4	0.03	-0.9	-0.86	-0.85	-0.83	-0.8	4573	1.0
loglik_pred[163]	-0.56	2.7e-4	0.02	-0.6	-0.58	-0.56	-0.55	-0.53	4602	1.0
loglik_pred[164]	-1.36	6.4e-4	0.05	-1.44	-1.39	-1.36	-1.32	-1.27	5115	1.0
loglik_pred[165]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.52	4546	1.0
loglik_pred[166]	-0.61	2.7e-4	0.02	-0.64	-0.62	-0.61	-0.59	-0.57	4635	1.0
loglik_pred[167]	-0.68	3.3e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4510	1.0
loglik_pred[168]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4529	1.0
loglik_pred[169]	-1.34	1.4e-3	0.09	-1.53	-1.4	-1.34	-1.28	-1.18	4160	1.0
loglik_pred[170]	-0.59	2.7e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.56	4553	1.0
loglik_pred[171]	-0.99	8.0e-4	0.05	-1.1	-1.03	-0.99	-0.96	-0.89	4775	1.0
loglik_pred[172]	-0.54	2.5e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	4532	1.0
loglik_pred[173]	-0.7	3.3e-4	0.02	-0.75	-0.72	-0.7	-0.69	-0.66	5268	1.0
loglik_pred[174]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4469	1.0
loglik_pred[175]	-0.65	2.9e-4	0.02	-0.69	-0.66	-0.65	-0.64	-0.61	4694	1.0
loglik_pred[176]	-1.5	8.0e-4	0.05	-1.61	-1.54	-1.5	-1.47	-1.4	4667	1.0
loglik_pred[177]	-0.64	5.3e-4	0.03	-0.71	-0.66	-0.64	-0.62	-0.58	3896	1.0
loglik_pred[178]	-0.56	2.8e-4	0.02	-0.6	-0.57	-0.56	-0.55	-0.53	4527	1.0
loglik_pred[179]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4469	1.0
loglik_pred[180]	-0.71	8.7e-4	0.06	-0.84	-0.75	-0.71	-0.67	-0.6	4921	1.0
loglik_pred[181]	-0.56	2.8e-4	0.02	-0.6	-0.58	-0.56	-0.55	-0.53	4537	1.0
loglik_pred[182]	-0.54	2.6e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4432	1.0
loglik_pred[183]	-0.91	1.2e-3	0.08	-1.06	-0.96	-0.91	-0.86	-0.77	3970	1.0
loglik_pred[184]	-0.83	4.1e-4	0.03	-0.88	-0.85	-0.83	-0.81	-0.78	4620	1.0
loglik_pred[185]	-0.62	2.7e-4	0.02	-0.66	-0.63	-0.62	-0.61	-0.59	4637	1.0
loglik_pred[186]	-0.54	2.6e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4424	1.0
loglik_pred[187]	-0.54	2.5e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.51	4522	1.0
loglik_pred[188]	-0.58	2.8e-4	0.02	-0.61	-0.59	-0.58	-0.56	-0.54	4653	1.0
loglik_pred[189]	-1.45	1.0e-3	0.07	-1.6	-1.5	-1.45	-1.4	-1.31	5460	1.0
loglik_pred[190]	-0.64	3.0e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4539	1.0
loglik_pred[191]	-1.3	9.3e-4	0.07	-1.44	-1.35	-1.3	-1.26	-1.18	5047	1.0
loglik_pred[192]	-0.59	2.9e-4	0.02	-0.63	-0.6	-0.59	-0.58	-0.55	4847	1.0
loglik_pred[193]	-0.95	8.3e-4	0.06	-1.07	-0.99	-0.95	-0.91	-0.84	4917	1.0
loglik_pred[194]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4522	1.0
loglik_pred[195]	-0.55	2.6e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	4567	1.0
loglik_pred[196]	-1.67	2.1e-3	0.13	-1.93	-1.76	-1.67	-1.58	-1.42	4030	1.0
loglik_pred[197]	-0.85	5.0e-4	0.03	-0.92	-0.87	-0.85	-0.83	-0.79	4773	1.0
loglik_pred[198]	-0.63	3.7e-4	0.02	-0.68	-0.65	-0.63	-0.61	-0.58	4475	1.0
loglik_pred[199]	-0.54	2.5e-4	0.02	-0.57	-0.55	-0.54	-0.53	-0.51	4544	1.0
loglik_pred[200]	-1.11	7.6e-4	0.05	-1.2	-1.14	-1.11	-1.07	-1.02	3844	1.0
lp__	-215.5	0.04	1.75	-219.9	-216.4	-215.2	-214.3	-213.2	1726	1.0

Samples were drawn using NUTS at Sun Dec 9 14:40:38 2018.

For each parameter, `n_eff` is a crude measure of effective sample size, and `Rhat` is the potential scale reduction factor on split chains (at convergence, `Rhat`=1).

1.6.2 Polynomial Regression Model Results

```
In [16]: # Display results of Polynomial Stan Model
        print(fit_poly)
```

Inference for Stan model: anon_model_fdf10200661fa3c5ef96589091fabbb87.

4 chains, each with iter=2000; warmup=1000; thin=1;

post-warmup draws per chain=1000, total post-warmup draws=4000.

	mean	se_mean	sd	2.5%	25%	50%	75%	97.5%	n_eff	Rhat
intercept	-0.16	2.5e-4	0.02	-0.19	-0.17	-0.16	-0.15	-0.13	3754	1.0
theta[1]	0.29	6.3e-4	0.03	0.23	0.27	0.29	0.31	0.35	2534	1.0
theta[2]	0.29	3.3e-4	0.02	0.25	0.28	0.29	0.31	0.33	3580	1.0
theta[3]	-0.13	6.3e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.07	2458	1.0
theta[4]	0.07	4.0e-4	0.02	0.02	0.05	0.07	0.09	0.12	3347	1.0
theta[5]	0.17	2.2e-4	0.01	0.15	0.16	0.17	0.18	0.19	2435	1.0
theta[6]	0.04	1.2e-4	8.1e-3	0.02	0.03	0.04	0.04	0.05	4264	1.0
theta[7]	-0.03	2.4e-4	0.01	-0.05	-0.03	-0.03	-0.02	-3.0e-3	2436	1.0
theta[8]	-0.02	1.4e-4	8.4e-3	-0.03	-0.02	-0.02	-0.01	2.9e-4	3637	1.0
sigma	0.55	1.5e-4	9.2e-3	0.53	0.54	0.55	0.55	0.56	3814	1.0
y_mean[1]	1.42	8.9e-4	0.06	1.31	1.38	1.42	1.47	1.54	4300	1.0
y_mean[2]	-0.45	3.2e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.41	3604	1.0
y_mean[3]	-0.18	3.9e-4	0.02	-0.22	-0.19	-0.18	-0.16	-0.13	3190	1.0
y_mean[4]	0.51	4.7e-4	0.03	0.45	0.49	0.51	0.53	0.57	4283	1.0
y_mean[5]	1.09	5.6e-4	0.04	1.02	1.07	1.09	1.12	1.17	4749	1.0
y_mean[6]	0.44	4.3e-4	0.03	0.39	0.42	0.44	0.46	0.49	3947	1.0
y_mean[7]	-0.14	4.6e-4	0.03	-0.19	-0.16	-0.14	-0.13	-0.1	3006	1.0
y_mean[8]	-0.05	3.8e-4	0.02	-0.09	-0.07	-0.05	-0.04	-0.01	3232	1.0
y_mean[9]	-0.16	4.5e-4	0.03	-0.21	-0.18	-0.16	-0.14	-0.11	3322	1.0
y_mean[10]	0.02	5.7e-4	0.03	-0.05	-6.7e-3	0.02	0.04	0.08	3275	1.0
y_mean[11]	1.38	7.6e-4	0.05	1.28	1.34	1.38	1.41	1.48	4301	1.0
y_mean[12]	-0.62	4.3e-4	0.03	-0.67	-0.64	-0.62	-0.6	-0.57	4031	1.0
y_mean[13]	0.6	5.8e-4	0.04	0.52	0.57	0.6	0.62	0.67	4158	1.0
y_mean[14]	-0.1	3.8e-4	0.02	-0.14	-0.11	-0.1	-0.09	-0.06	2871	1.0
y_mean[15]	-0.31	5.2e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.25	3204	1.0
y_mean[16]	-0.58	5.6e-4	0.04	-0.65	-0.61	-0.58	-0.56	-0.51	4196	1.0
y_mean[17]	-0.37	3.7e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3517	1.0
y_mean[18]	-0.56	4.3e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.51	4493	1.0
y_mean[19]	-0.65	5.2e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.58	4090	1.0
y_mean[20]	-0.33	7.9e-4	0.04	-0.4	-0.35	-0.33	-0.3	-0.25	2298	1.0
y_mean[21]	-0.37	2.8e-4	0.02	-0.41	-0.39	-0.37	-0.36	-0.34	3813	1.0
y_mean[22]	-0.31	8.6e-4	0.06	-0.43	-0.35	-0.31	-0.27	-0.2	4571	1.0
y_mean[23]	-0.49	4.8e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.44	3666	1.0
y_mean[24]	0.19	5.2e-4	0.03	0.13	0.17	0.19	0.21	0.24	2825	1.0
y_mean[25]	0.09	4.5e-4	0.03	0.04	0.07	0.09	0.11	0.14	3708	1.0
y_mean[26]	-0.43	3.2e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.4	3651	1.0
y_mean[27]	-0.32	5.5e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	3422	1.0
y_mean[28]	-0.34	5.3e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	3078	1.0
y_mean[29]	0.22	6.1e-4	0.04	0.15	0.2	0.22	0.25	0.29	3876	1.0

y_mean[30]	-0.27	5.1e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	3717	1.0
y_mean[31]	0.41	4.3e-4	0.03	0.36	0.4	0.41	0.43	0.47	3850	1.0
y_mean[32]	-0.62	4.6e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.56	4266	1.0
y_mean[33]	-0.34	8.1e-4	0.04	-0.43	-0.38	-0.34	-0.31	-0.26	3041	1.0
y_mean[34]	-0.38	3.9e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3076	1.0
y_mean[35]	1.43	9.2e-4	0.06	1.31	1.39	1.43	1.48	1.55	4336	1.0
y_mean[36]	0.22	5.5e-4	0.04	0.15	0.2	0.22	0.25	0.29	4104	1.0
y_mean[37]	-0.45	5.3e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.38	3900	1.0
y_mean[38]	-0.16	3.7e-4	0.02	-0.2	-0.18	-0.16	-0.15	-0.12	3355	1.0
y_mean[39]	0.48	4.3e-4	0.03	0.43	0.46	0.48	0.5	0.54	4081	1.0
y_mean[40]	-0.2	5.6e-4	0.03	-0.27	-0.23	-0.2	-0.18	-0.14	3418	1.0
y_mean[41]	0.58	8.4e-4	0.06	0.47	0.54	0.58	0.62	0.7	4774	1.0
y_mean[42]	-0.15	4.0e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.11	2865	1.0
y_mean[43]	-0.33	3.0e-4	0.02	-0.36	-0.34	-0.33	-0.31	-0.29	3625	1.0
y_mean[44]	-0.1	4.0e-4	0.02	-0.14	-0.11	-0.1	-0.09	-0.06	2781	1.0
y_mean[45]	-0.34	5.2e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	3238	1.0
y_mean[46]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	3568	1.0
y_mean[47]	0.43	4.3e-4	0.03	0.37	0.41	0.42	0.44	0.48	4096	1.0
y_mean[48]	-0.45	4.1e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	3889	1.0
y_mean[49]	0.8	6.2e-4	0.04	0.72	0.77	0.8	0.83	0.88	4441	1.0
y_mean[50]	-0.16	5.4e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	3381	1.0
y_mean[51]	-0.14	3.6e-4	0.02	-0.18	-0.15	-0.14	-0.13	-0.1	3183	1.0
y_mean[52]	0.16	5.5e-4	0.03	0.1	0.14	0.16	0.19	0.23	3939	1.0
y_mean[53]	0.31	4.9e-4	0.03	0.25	0.29	0.31	0.32	0.36	3585	1.0
y_mean[54]	-0.18	5.2e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	3494	1.0
y_mean[55]	-0.24	7.5e-4	0.05	-0.32	-0.27	-0.24	-0.21	-0.15	3641	1.0
y_mean[56]	0.55	4.4e-4	0.03	0.5	0.53	0.55	0.57	0.61	4252	1.0
y_mean[57]	-0.48	5.9e-4	0.04	-0.55	-0.5	-0.48	-0.45	-0.4	3963	1.0
y_mean[58]	-0.37	4.1e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	2966	1.0
y_mean[59]	1.58	8.3e-4	0.05	1.47	1.54	1.58	1.61	1.68	4028	1.0
y_mean[60]	-0.71	8.3e-4	0.05	-0.82	-0.75	-0.71	-0.68	-0.62	3873	1.0
y_mean[61]	-0.27	5.5e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	2897	1.0
y_mean[62]	0.36	5.0e-4	0.03	0.3	0.34	0.36	0.38	0.42	3684	1.0
y_mean[63]	-0.14	4.1e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.09	2768	1.0
y_mean[64]	-0.65	4.7e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.59	3962	1.0
y_mean[65]	0.11	8.7e-4	0.05	8.6e-3	0.07	0.1	0.14	0.2	3411	1.0
y_mean[66]	0.66	6.0e-4	0.04	0.58	0.63	0.66	0.69	0.74	4660	1.0
y_mean[67]	0.19	5.0e-4	0.03	0.13	0.17	0.19	0.21	0.25	3484	1.0
y_mean[68]	7.81	4.0e-3	0.23	7.36	7.65	7.8	7.97	8.27	3511	1.0
y_mean[69]	-0.34	4.9e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	3335	1.0
y_mean[70]	-0.47	3.9e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.42	3733	1.0
y_mean[71]	0.14	5.4e-4	0.03	0.08	0.12	0.14	0.17	0.21	3823	1.0
y_mean[72]	-0.11	3.6e-4	0.02	-0.15	-0.12	-0.11	-0.09	-0.07	3119	1.0
y_mean[73]	-0.18	7.3e-4	0.04	-0.24	-0.2	-0.18	-0.15	-0.11	2380	1.0
y_mean[74]	0.34	4.6e-4	0.03	0.28	0.32	0.34	0.36	0.4	4121	1.0
y_mean[75]	-0.29	4.9e-4	0.03	-0.35	-0.31	-0.29	-0.27	-0.23	3643	1.0
y_mean[76]	0.1	5.1e-4	0.03	0.04	0.08	0.1	0.12	0.15	2846	1.0
y_mean[77]	0.26	4.3e-4	0.03	0.21	0.24	0.26	0.28	0.31	3693	1.0

y_mean[78]	-0.34	4.2e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.3	3060	1.0
y_mean[79]	-0.36	4.5e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3269	1.0
y_mean[80]	0.02	3.2e-4	0.02	-0.02	8.2e-3	0.02	0.03	0.06	3371	1.0
y_mean[81]	-0.23	5.3e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.17	3669	1.0
y_mean[82]	-0.16	5.9e-4	0.04	-0.23	-0.19	-0.16	-0.14	-0.09	3664	1.0
y_mean[83]	-0.17	8.6e-4	0.04	-0.25	-0.2	-0.17	-0.14	-0.08	2686	1.0
y_mean[84]	0.67	4.9e-4	0.03	0.6	0.64	0.67	0.69	0.73	4422	1.0
y_mean[85]	-0.56	1.3e-3	0.08	-0.72	-0.62	-0.56	-0.5	-0.41	3733	1.0
y_mean[86]	-0.3	5.4e-4	0.03	-0.36	-0.32	-0.3	-0.27	-0.23	3806	1.0
y_mean[87]	-0.04	3.9e-4	0.02	-0.09	-0.06	-0.04	-0.03	-1.3e-3	3127	1.0
y_mean[88]	-0.07	3.7e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	3313	1.0
y_mean[89]	0.03	4.3e-4	0.02	-0.02	0.01	0.03	0.05	0.07	2965	1.0
y_mean[90]	1.49	7.3e-4	0.05	1.4	1.46	1.49	1.52	1.58	4063	1.0
y_mean[91]	0.21	4.9e-4	0.03	0.15	0.19	0.21	0.23	0.27	3458	1.0
y_mean[92]	-0.36	4.2e-4	0.02	-0.41	-0.38	-0.36	-0.34	-0.31	3251	1.0
y_mean[93]	-0.03	6.7e-4	0.04	-0.12	-0.06	-0.03	-6.9e-3	0.05	3861	1.0
y_mean[94]	0.33	7.5e-4	0.04	0.25	0.3	0.33	0.36	0.41	3026	1.0
y_mean[95]	-0.09	3.7e-4	0.02	-0.13	-0.1	-0.09	-0.08	-0.05	3007	1.0
y_mean[96]	0.17	6.4e-4	0.03	0.11	0.15	0.17	0.19	0.23	2624	1.0
y_mean[97]	0.02	4.4e-4	0.02	-0.03	6.0e-3	0.02	0.04	0.07	2884	1.0
y_mean[98]	0.22	6.4e-4	0.04	0.15	0.2	0.22	0.25	0.3	3419	1.0
y_mean[99]	-0.33	4.8e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.27	3837	1.0
y_mean[100]	0.28	1.2e-3	0.08	0.12	0.22	0.28	0.33	0.44	4543	1.0
y_mean[101]	0.38	4.0e-4	0.02	0.33	0.37	0.38	0.4	0.43	3775	1.0
y_mean[102]	0.73	8.6e-4	0.05	0.62	0.69	0.73	0.76	0.82	3776	1.0
y_mean[103]	-0.11	4.1e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	3307	1.0
y_mean[104]	-0.4	3.5e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	3150	1.0
y_mean[105]	-0.25	5.7e-4	0.03	-0.31	-0.27	-0.26	-0.24	-0.2	2511	1.0
y_mean[106]	0.02	4.0e-4	0.02	-0.03	2.9e-3	0.02	0.04	0.07	3574	1.0
y_mean[107]	-0.08	3.6e-4	0.02	-0.12	-0.1	-0.08	-0.07	-0.04	3399	1.0
y_mean[108]	0.23	5.5e-4	0.04	0.16	0.21	0.23	0.26	0.31	4725	1.0
y_mean[109]	-0.35	4.5e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	3441	1.0
y_mean[110]	-0.46	3.6e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.42	3734	1.0
y_mean[111]	-0.36	4.8e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3071	1.0
y_mean[112]	-0.61	6.2e-4	0.04	-0.68	-0.64	-0.61	-0.59	-0.54	3335	1.0
y_mean[113]	-0.64	5.1e-4	0.03	-0.71	-0.67	-0.64	-0.62	-0.58	4119	1.0
y_mean[114]	0.1	3.7e-4	0.02	0.05	0.08	0.1	0.11	0.14	3276	1.0
y_mean[115]	-0.3	3.9e-4	0.02	-0.34	-0.31	-0.3	-0.28	-0.25	2968	1.0
y_mean[116]	-0.01	4.3e-4	0.02	-0.06	-0.03	-0.01	5.3e-3	0.04	3200	1.0
y_mean[117]	-0.57	4.4e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.52	3992	1.0
y_mean[118]	-0.34	7.3e-4	0.03	-0.4	-0.36	-0.34	-0.31	-0.27	2257	1.0
y_mean[119]	-0.49	5.4e-4	0.03	-0.55	-0.51	-0.49	-0.46	-0.42	4135	1.0
y_mean[120]	-0.42	3.3e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	3009	1.0
y_mean[121]	0.05	4.8e-4	0.03	-4.4e-3	0.03	0.05	0.06	0.09	2765	1.0
y_mean[122]	-0.43	4.2e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.38	3820	1.0
y_mean[123]	-0.32	7.6e-4	0.04	-0.39	-0.34	-0.32	-0.29	-0.24	2269	1.0
y_mean[124]	-0.05	5.3e-4	0.03	-0.11	-0.07	-0.05	-0.03	0.01	3072	1.0
y_mean[125]	-0.38	4.0e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.33	3928	1.0

y_mean[126]	-0.13	3.7e-4	0.02	-0.17	-0.14	-0.13	-0.12	-0.09	2869	1.0
y_mean[127]	0.18	8.3e-4	0.05	0.09	0.15	0.18	0.21	0.28	3259	1.0
y_mean[128]	0.57	5.0e-4	0.03	0.5	0.54	0.57	0.59	0.63	4211	1.0
y_mean[129]	-0.61	5.1e-4	0.03	-0.68	-0.63	-0.61	-0.59	-0.54	4229	1.0
y_mean[130]	-0.14	5.9e-4	0.03	-0.21	-0.17	-0.14	-0.12	-0.08	3321	1.0
y_mean[131]	-0.45	4.0e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.4	3859	1.0
y_mean[132]	0.61	4.7e-4	0.03	0.55	0.59	0.61	0.63	0.67	4335	1.0
y_mean[133]	2.09	1.3e-3	0.09	1.92	2.03	2.09	2.15	2.26	4810	1.0
y_mean[134]	-0.36	4.2e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.31	3077	1.0
y_mean[135]	-0.46	5.6e-4	0.04	-0.53	-0.49	-0.46	-0.44	-0.39	4186	1.0
y_mean[136]	0.44	9.4e-4	0.06	0.32	0.4	0.44	0.49	0.57	4324	1.0
y_mean[137]	-0.68	9.0e-4	0.06	-0.79	-0.72	-0.68	-0.64	-0.58	3770	1.0
y_mean[138]	-0.43	4.1e-4	0.02	-0.48	-0.45	-0.43	-0.41	-0.38	3587	1.0
y_mean[139]	0.69	6.7e-4	0.04	0.6	0.66	0.69	0.72	0.77	4294	1.0
y_mean[140]	-0.32	4.6e-4	0.03	-0.38	-0.34	-0.32	-0.31	-0.27	3165	1.0
y_mean[141]	0.02	4.9e-4	0.03	-0.04	-2.4e-3	0.02	0.04	0.08	3524	1.0
y_mean[142]	2.72	1.0e-3	0.06	2.6	2.68	2.72	2.76	2.84	3380	1.0
y_mean[143]	-0.42	3.2e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	3730	1.0
y_mean[144]	-0.2	5.9e-4	0.03	-0.26	-0.22	-0.2	-0.17	-0.13	3375	1.0
y_mean[145]	-0.58	5.4e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.52	3352	1.0
y_mean[146]	-0.78	9.3e-4	0.06	-0.89	-0.81	-0.78	-0.74	-0.67	3570	1.0
y_mean[147]	-0.21	5.5e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.16	2824	1.0
y_mean[148]	-0.45	4.2e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	3769	1.0
y_mean[149]	-0.45	3.4e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	3635	1.0
y_mean[150]	-0.41	3.4e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3798	1.0
y_mean[151]	-0.18	5.0e-4	0.03	-0.24	-0.2	-0.18	-0.15	-0.11	3909	1.0
y_mean[152]	-0.42	3.3e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.38	3773	1.0
y_mean[153]	7.6e-3	4.6e-4	0.03	-0.05	-9.8e-3	7.6e-3	0.02	0.06	3341	1.0
y_mean[154]	0.98	1.1e-3	0.07	0.83	0.93	0.98	1.03	1.12	4403	1.0
y_mean[155]	-0.13	4.3e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	3900	1.0
y_mean[156]	0.81	6.9e-4	0.05	0.72	0.78	0.81	0.84	0.9	4577	1.0
y_mean[157]	-0.21	4.4e-4	0.02	-0.25	-0.22	-0.21	-0.19	-0.16	2961	1.0
y_mean[158]	-0.63	4.4e-4	0.03	-0.68	-0.64	-0.63	-0.61	-0.57	3964	1.0
y_mean[159]	-0.08	3.6e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.03	3773	1.0
y_mean[160]	0.1	7.6e-4	0.04	0.02	0.07	0.1	0.12	0.17	2491	1.0
y_mean[161]	0.36	5.2e-4	0.03	0.3	0.34	0.36	0.38	0.42	3220	1.0
y_mean[162]	-0.09	3.7e-4	0.02	-0.13	-0.1	-0.09	-0.08	-0.05	2996	1.0
y_mean[163]	-0.48	4.3e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.42	3767	1.0
y_mean[164]	-0.41	3.6e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3412	1.0
y_mean[165]	-0.45	3.6e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	3756	1.0
y_mean[166]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3379	1.0
y_mean[167]	-0.35	3.9e-4	0.02	-0.39	-0.36	-0.35	-0.34	-0.31	2962	1.0
y_mean[168]	-0.4	3.7e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3896	1.0
y_mean[169]	0.46	7.2e-4	0.04	0.38	0.43	0.46	0.48	0.53	2890	1.0
y_mean[170]	-0.39	2.5e-4	0.02	-0.42	-0.4	-0.39	-0.37	-0.35	3988	1.0
y_mean[171]	-0.22	6.4e-4	0.04	-0.29	-0.24	-0.22	-0.19	-0.14	3415	1.0
y_mean[172]	-0.45	3.6e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	3769	1.0
y_mean[173]	-0.46	3.8e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	3817	1.0

y_mean[174]	-0.1	4.2e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.06	2753	1.0
y_mean[175]	-0.42	3.2e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.39	3158	1.0
y_mean[176]	-0.16	4.0e-4	0.02	-0.2	-0.18	-0.16	-0.15	-0.12	3052	1.0
y_mean[177]	0.3	7.2e-4	0.04	0.22	0.27	0.3	0.32	0.37	2746	1.0
y_mean[178]	-0.19	4.8e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.14	3398	1.0
y_mean[179]	-0.09	4.1e-4	0.02	-0.14	-0.11	-0.09	-0.08	-0.05	3292	1.0
y_mean[180]	1.54	1.2e-3	0.08	1.37	1.48	1.54	1.59	1.7	5235	1.0
y_mean[181]	-0.33	4.7e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.28	3080	1.0
y_mean[182]	0.11	4.5e-4	0.03	0.05	0.09	0.11	0.12	0.16	3796	1.0
y_mean[183]	1.34	8.2e-4	0.05	1.24	1.31	1.34	1.38	1.44	3910	1.0
y_mean[184]	-0.3	3.6e-4	0.02	-0.34	-0.32	-0.3	-0.29	-0.26	3398	1.0
y_mean[185]	-0.39	3.4e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	3282	1.0
y_mean[186]	0.36	4.3e-4	0.03	0.3	0.34	0.36	0.37	0.41	3991	1.0
y_mean[187]	-0.44	3.2e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.41	3614	1.0
y_mean[188]	-0.47	4.7e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3668	1.0
y_mean[189]	8.7e-3	5.2e-4	0.03	-0.06	-0.02	7.7e-3	0.03	0.08	4411	1.0
y_mean[190]	-0.15	3.7e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.11	2996	1.0
y_mean[191]	-0.3	6.2e-4	0.04	-0.37	-0.32	-0.3	-0.27	-0.22	3496	1.0
y_mean[192]	-0.33	4.8e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	3682	1.0
y_mean[193]	1.58	5.7e-4	0.04	1.5	1.55	1.58	1.6	1.66	4762	1.0
y_mean[194]	-0.45	3.1e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3980	1.0
y_mean[195]	0.27	4.4e-4	0.03	0.22	0.25	0.27	0.28	0.31	3240	1.0
y_mean[196]	0.95	8.1e-4	0.05	0.85	0.92	0.95	0.99	1.05	3956	1.0
y_mean[197]	-0.36	4.8e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3025	1.0
y_mean[198]	-0.54	6.2e-4	0.04	-0.61	-0.56	-0.54	-0.51	-0.47	3243	1.0
y_mean[199]	-0.34	5.2e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	3259	1.0
y_mean[200]	-0.21	5.3e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.16	2617	1.0
y_mean[201]	0.25	4.9e-4	0.03	0.2	0.23	0.25	0.27	0.31	3324	1.0
y_mean[202]	0.12	4.9e-4	0.03	0.06	0.1	0.12	0.14	0.18	3827	1.0
y_mean[203]	-0.03	3.8e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	3536	1.0
y_mean[204]	0.5	5.7e-4	0.04	0.43	0.47	0.5	0.52	0.57	4178	1.0
y_mean[205]	-0.1	4.7e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.06	2801	1.0
y_mean[206]	-0.16	3.7e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	3495	1.0
y_mean[207]	1.06	6.9e-4	0.05	0.96	1.02	1.06	1.09	1.16	5400	1.0
y_mean[208]	-0.36	4.4e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.31	2906	1.0
y_mean[209]	-0.62	4.4e-4	0.03	-0.67	-0.64	-0.62	-0.6	-0.56	4247	1.0
y_mean[210]	0.42	4.2e-4	0.03	0.37	0.4	0.42	0.43	0.47	3857	1.0
y_mean[211]	0.93	1.2e-3	0.09	0.76	0.87	0.93	0.99	1.09	5375	1.0
y_mean[212]	-0.38	3.8e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	3911	1.0
y_mean[213]	-0.18	5.0e-4	0.03	-0.23	-0.2	-0.18	-0.16	-0.12	3495	1.0
y_mean[214]	0.4	4.2e-4	0.03	0.35	0.38	0.4	0.42	0.45	3918	1.0
y_mean[215]	-0.33	5.8e-4	0.03	-0.4	-0.35	-0.33	-0.31	-0.27	3264	1.0
y_mean[216]	-0.25	4.3e-4	0.03	-0.3	-0.27	-0.25	-0.24	-0.2	3490	1.0
y_mean[217]	-0.45	4.3e-4	0.03	-0.5	-0.47	-0.45	-0.44	-0.4	3759	1.0
y_mean[218]	-0.38	2.2e-4	0.01	-0.41	-0.39	-0.38	-0.37	-0.35	4361	1.0
y_mean[219]	0.08	4.3e-4	0.03	0.03	0.06	0.08	0.1	0.13	3754	1.0
y_mean[220]	-0.28	6.3e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	2341	1.0
y_mean[221]	-0.42	3.6e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.37	3542	1.0

y_mean[222]	0.2	5.1e-4	0.03	0.14	0.18	0.2	0.22	0.26	4039	1.0
y_mean[223]	1.65	3.2e-3	0.21	1.24	1.51	1.66	1.79	2.08	4351	1.0
y_mean[224]	-0.1	4.0e-4	0.03	-0.14	-0.11	-0.1	-0.08	-0.05	4067	1.0
y_mean[225]	0.1	4.4e-4	0.03	0.05	0.08	0.1	0.12	0.15	3804	1.0
y_mean[226]	-0.13	4.8e-4	0.03	-0.18	-0.14	-0.13	-0.11	-0.08	2802	1.0
y_mean[227]	1.1	9.0e-4	0.06	0.99	1.06	1.1	1.14	1.21	4187	1.0
y_mean[228]	-0.41	3.4e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3798	1.0
y_mean[229]	-0.18	8.2e-4	0.04	-0.26	-0.21	-0.18	-0.15	-0.09	2584	1.0
y_mean[230]	0.45	6.5e-4	0.04	0.38	0.43	0.45	0.48	0.53	3186	1.0
y_mean[231]	0.13	4.5e-4	0.02	0.08	0.11	0.13	0.15	0.18	2912	1.0
y_mean[232]	0.68	7.4e-4	0.04	0.59	0.65	0.68	0.71	0.77	3561	1.0
y_mean[233]	-0.41	5.0e-4	0.03	-0.47	-0.44	-0.42	-0.39	-0.36	3695	1.0
y_mean[234]	-0.09	3.6e-4	0.02	-0.13	-0.11	-0.09	-0.08	-0.05	3418	1.0
y_mean[235]	1.15	6.2e-4	0.04	1.07	1.12	1.15	1.17	1.22	4003	1.0
y_mean[236]	-0.22	8.9e-4	0.04	-0.3	-0.25	-0.22	-0.19	-0.13	2231	1.0
y_mean[237]	-0.05	4.4e-4	0.02	-0.1	-0.07	-0.05	-0.04	-6.1e-3	2979	1.0
y_mean[238]	0.34	9.1e-4	0.06	0.23	0.3	0.34	0.38	0.45	3681	1.0
y_mean[239]	1.22	5.3e-4	0.04	1.15	1.19	1.22	1.24	1.29	4967	1.0
y_mean[240]	-0.07	4.7e-4	0.03	-0.12	-0.09	-0.07	-0.05	-0.02	2964	1.0
y_mean[241]	-0.02	6.0e-4	0.03	-0.08	-0.04	-0.02	3.5e-3	0.05	2997	1.0
y_mean[242]	-0.34	5.1e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	3258	1.0
y_mean[243]	-0.44	3.2e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.41	3555	1.0
y_mean[244]	0.31	4.5e-4	0.03	0.26	0.3	0.31	0.33	0.37	3500	1.0
y_mean[245]	-0.1	3.2e-4	0.02	-0.14	-0.11	-0.1	-0.09	-0.06	3586	1.0
y_mean[246]	-0.33	6.1e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.28	2343	1.0
y_mean[247]	0.92	5.7e-4	0.04	0.85	0.9	0.92	0.95	1.0	4602	1.0
y_mean[248]	0.32	6.3e-4	0.04	0.24	0.29	0.32	0.34	0.39	3518	1.0
y_mean[249]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	3296	1.0
y_mean[250]	0.1	6.2e-4	0.04	0.03	0.08	0.1	0.13	0.18	3779	1.0
y_mean[251]	0.18	6.5e-4	0.03	0.11	0.16	0.18	0.2	0.24	2571	1.0
y_mean[252]	0.8	6.2e-4	0.04	0.73	0.78	0.8	0.82	0.87	3400	1.0
y_mean[253]	-0.19	5.4e-4	0.03	-0.25	-0.22	-0.19	-0.17	-0.13	3428	1.0
y_mean[254]	-0.14	6.3e-4	0.04	-0.22	-0.16	-0.14	-0.12	-0.06	3655	1.0
y_mean[255]	0.64	4.0e-4	0.03	0.59	0.62	0.64	0.65	0.69	4013	1.0
y_mean[256]	-0.43	3.2e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3247	1.0
y_mean[257]	0.02	4.1e-4	0.02	-0.02	5.6e-3	0.02	0.04	0.07	3530	1.0
y_mean[258]	-0.07	3.9e-4	0.02	-0.11	-0.08	-0.07	-0.06	-0.03	2984	1.0
y_mean[259]	-0.39	3.6e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3680	1.0
y_mean[260]	-0.15	6.3e-4	0.04	-0.22	-0.18	-0.15	-0.13	-0.08	3500	1.0
y_mean[261]	2.34	1.0e-3	0.06	2.21	2.29	2.34	2.38	2.46	3988	1.0
y_mean[262]	-0.38	3.8e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3024	1.0
y_mean[263]	-0.45	3.2e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3647	1.0
y_mean[264]	0.05	4.1e-4	0.03	-1.5e-3	0.03	0.05	0.06	0.1	3738	1.0
y_mean[265]	-0.34	6.3e-4	0.04	-0.42	-0.37	-0.34	-0.31	-0.26	4124	1.0
y_mean[266]	-0.02	4.3e-4	0.02	-0.07	-0.03	-0.02	-5.6e-4	0.03	3167	1.0
y_mean[267]	-0.46	3.7e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	3750	1.0
y_mean[268]	-0.44	3.2e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3655	1.0
y_mean[269]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.37	3030	1.0

y_mean[270]	-0.59	4.3e-4	0.03	-0.64	-0.61	-0.59	-0.57	-0.53	4394	1.0
y_mean[271]	-0.25	6.9e-4	0.04	-0.33	-0.28	-0.25	-0.23	-0.17	3410	1.0
y_mean[272]	-0.42	4.0e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	3889	1.0
y_mean[273]	-0.57	7.8e-4	0.04	-0.65	-0.6	-0.58	-0.55	-0.5	2559	1.0
y_mean[274]	-0.41	4.1e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	3372	1.0
y_mean[275]	-0.73	8.7e-4	0.05	-0.83	-0.76	-0.73	-0.69	-0.63	3735	1.0
y_mean[276]	1.45	7.5e-4	0.05	1.36	1.42	1.46	1.49	1.54	3767	1.0
y_mean[277]	-0.32	4.7e-4	0.03	-0.37	-0.33	-0.32	-0.3	-0.26	3228	1.0
y_mean[278]	0.36	6.2e-4	0.03	0.29	0.34	0.36	0.38	0.42	2897	1.0
y_mean[279]	0.38	4.3e-4	0.03	0.32	0.36	0.38	0.39	0.43	3729	1.0
y_mean[280]	-0.37	4.8e-4	0.03	-0.42	-0.39	-0.37	-0.35	-0.32	2958	1.0
y_mean[281]	0.6	4.6e-4	0.03	0.55	0.58	0.6	0.63	0.67	4303	1.0
y_mean[282]	0.18	7.4e-4	0.04	0.1	0.15	0.18	0.21	0.26	3012	1.0
y_mean[283]	0.35	5.1e-4	0.03	0.28	0.32	0.35	0.37	0.41	4026	1.0
y_mean[284]	-0.37	4.0e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	2914	1.0
y_mean[285]	-0.38	5.4e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.33	2533	1.0
y_mean[286]	-0.58	4.9e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.53	3574	1.0
y_mean[287]	0.03	5.8e-4	0.03	-0.03	6.3e-3	0.03	0.05	0.08	2653	1.0
y_mean[288]	-0.35	5.0e-4	0.03	-0.41	-0.37	-0.35	-0.32	-0.28	4162	1.0
y_mean[289]	0.81	5.9e-4	0.04	0.73	0.78	0.81	0.83	0.88	4753	1.0
y_mean[290]	-0.25	5.2e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	3735	1.0
y_mean[291]	0.02	4.5e-4	0.03	-0.03	5.5e-3	0.02	0.04	0.07	3379	1.0
y_mean[292]	-0.26	7.4e-4	0.04	-0.33	-0.29	-0.26	-0.24	-0.19	2429	1.0
y_mean[293]	-0.38	3.8e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	3411	1.0
y_mean[294]	-0.17	7.1e-4	0.04	-0.24	-0.19	-0.17	-0.14	-0.09	2517	1.0
y_mean[295]	-0.05	3.1e-4	0.02	-0.09	-0.06	-0.05	-0.04	-9.8e-3	4298	1.0
y_mean[296]	-0.31	9.2e-4	0.05	-0.4	-0.34	-0.31	-0.28	-0.21	2880	1.0
y_mean[297]	0.16	6.1e-4	0.03	0.1	0.14	0.16	0.19	0.23	2916	1.0
y_mean[298]	-0.43	3.3e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	3367	1.0
y_mean[299]	-0.4	8.0e-4	0.04	-0.48	-0.43	-0.4	-0.38	-0.32	2347	1.0
y_mean[300]	-0.4	3.6e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3854	1.0
y_mean[301]	0.22	5.4e-4	0.03	0.15	0.2	0.22	0.25	0.29	4100	1.0
y_mean[302]	-0.06	5.5e-4	0.03	-0.12	-0.08	-0.06	-0.04	6.3e-3	3513	1.0
y_mean[303]	-0.16	6.7e-4	0.03	-0.23	-0.19	-0.16	-0.14	-0.1	2508	1.0
y_mean[304]	-0.65	6.3e-4	0.04	-0.73	-0.68	-0.65	-0.63	-0.58	3539	1.0
y_mean[305]	-0.32	5.0e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	3681	1.0
y_mean[306]	-0.42	5.1e-4	0.03	-0.47	-0.43	-0.42	-0.4	-0.36	2910	1.0
y_mean[307]	0.78	6.6e-4	0.04	0.69	0.75	0.78	0.81	0.86	4601	1.0
y_mean[308]	-0.28	3.9e-4	0.02	-0.33	-0.3	-0.28	-0.27	-0.24	3152	1.0
y_mean[309]	2.67	1.4e-3	0.09	2.51	2.62	2.67	2.73	2.84	3971	1.0
y_mean[310]	0.39	4.3e-4	0.03	0.34	0.37	0.39	0.41	0.44	3757	1.0
y_mean[311]	-0.51	5.8e-4	0.04	-0.58	-0.53	-0.51	-0.48	-0.44	3874	1.0
y_mean[312]	0.35	4.4e-4	0.03	0.3	0.33	0.35	0.37	0.4	3599	1.0
y_mean[313]	-0.52	4.7e-4	0.03	-0.58	-0.54	-0.52	-0.49	-0.46	4394	1.0
y_mean[314]	-0.34	4.8e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	4017	1.0
y_mean[315]	-0.44	3.2e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.41	3614	1.0
y_mean[316]	0.27	5.7e-4	0.04	0.2	0.25	0.27	0.3	0.35	4743	1.0
y_mean[317]	0.07	5.4e-4	0.03	-6.5e-4	0.04	0.07	0.09	0.13	3760	1.0

y_mean[318]	-0.05	3.7e-4	0.02	-0.1	-0.07	-0.05	-0.04	-9.3e-3	3758	1.0
y_mean[319]	0.64	9.4e-4	0.06	0.52	0.6	0.64	0.68	0.76	4385	1.0
y_mean[320]	-0.33	7.5e-4	0.04	-0.4	-0.36	-0.33	-0.31	-0.26	2255	1.0
y_mean[321]	0.31	5.1e-4	0.03	0.25	0.29	0.31	0.33	0.37	3713	1.0
y_mean[322]	-0.7	6.0e-4	0.04	-0.77	-0.72	-0.7	-0.67	-0.62	3866	1.0
y_mean[323]	0.22	7.4e-4	0.04	0.14	0.19	0.22	0.25	0.3	3244	1.0
y_mean[324]	-0.42	4.1e-4	0.03	-0.47	-0.44	-0.42	-0.41	-0.37	3949	1.0
y_mean[325]	-0.26	7.2e-4	0.03	-0.32	-0.28	-0.26	-0.23	-0.19	2276	1.0
y_mean[326]	-0.4	3.4e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3453	1.0
y_mean[327]	-0.08	4.3e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	2825	1.0
y_mean[328]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3409	1.0
y_mean[329]	-0.26	6.9e-4	0.03	-0.33	-0.28	-0.26	-0.24	-0.2	2401	1.0
y_mean[330]	-0.26	4.0e-4	0.02	-0.3	-0.27	-0.26	-0.24	-0.21	3728	1.0
y_mean[331]	0.14	8.4e-4	0.04	0.05	0.11	0.14	0.17	0.22	2717	1.0
y_mean[332]	2.03	1.1e-3	0.07	1.9	1.99	2.03	2.08	2.17	3984	1.0
y_mean[333]	-0.61	4.7e-4	0.03	-0.67	-0.63	-0.61	-0.59	-0.55	4309	1.0
y_mean[334]	0.37	6.2e-4	0.03	0.3	0.35	0.37	0.4	0.44	3042	1.0
y_mean[335]	-0.3	7.5e-4	0.04	-0.37	-0.32	-0.3	-0.28	-0.23	2262	1.0
y_mean[336]	-0.24	6.9e-4	0.04	-0.32	-0.27	-0.24	-0.21	-0.15	4247	1.0
y_mean[337]	0.69	4.1e-4	0.03	0.64	0.67	0.69	0.71	0.74	3783	1.0
y_mean[338]	-0.33	5.8e-4	0.03	-0.39	-0.35	-0.33	-0.32	-0.28	2492	1.0
y_mean[339]	-0.09	4.1e-4	0.02	-0.13	-0.1	-0.09	-0.08	-0.05	2801	1.0
y_mean[340]	0.08	4.4e-4	0.03	0.03	0.06	0.08	0.1	0.13	3723	1.0
y_mean[341]	1.52	1.2e-3	0.08	1.37	1.47	1.53	1.58	1.68	4561	1.0
y_mean[342]	-0.22	7.4e-4	0.04	-0.3	-0.25	-0.22	-0.2	-0.15	2407	1.0
y_mean[343]	-0.23	4.3e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.19	2897	1.0
y_mean[344]	0.88	6.7e-4	0.04	0.8	0.85	0.88	0.91	0.97	4272	1.0
y_mean[345]	-0.08	3.8e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.03	3985	1.0
y_mean[346]	-0.1	3.7e-4	0.02	-0.13	-0.11	-0.1	-0.08	-0.06	2970	1.0
y_mean[347]	-0.18	3.8e-4	0.02	-0.22	-0.19	-0.18	-0.16	-0.13	3437	1.0
y_mean[348]	-0.36	4.3e-4	0.02	-0.41	-0.38	-0.36	-0.34	-0.31	3313	1.0
y_mean[349]	-0.38	3.0e-4	0.02	-0.41	-0.39	-0.38	-0.37	-0.34	3580	1.0
y_mean[350]	-0.36	4.2e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3802	1.0
y_mean[351]	-0.2	7.5e-4	0.04	-0.27	-0.22	-0.2	-0.17	-0.12	2534	1.0
y_mean[352]	-0.04	4.0e-4	0.03	-0.09	-0.06	-0.04	-0.02	0.01	4214	1.0
y_mean[353]	-0.05	4.9e-4	0.03	-0.12	-0.08	-0.06	-0.03	8.7e-3	4269	1.0
y_mean[354]	-0.64	4.9e-4	0.03	-0.71	-0.67	-0.65	-0.62	-0.58	4125	1.0
y_mean[355]	-0.34	5.2e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	3220	1.0
y_mean[356]	-0.42	3.4e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	3812	1.0
y_mean[357]	0.4	5.1e-4	0.03	0.34	0.38	0.4	0.42	0.47	3952	1.0
y_mean[358]	0.16	6.4e-4	0.04	0.08	0.13	0.16	0.18	0.24	3858	1.0
y_mean[359]	-0.44	3.5e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.4	3804	1.0
y_mean[360]	-0.34	5.4e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	2464	1.0
y_mean[361]	-0.41	3.5e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3856	1.0
y_mean[362]	-0.59	4.3e-4	0.03	-0.64	-0.6	-0.59	-0.57	-0.53	4051	1.0
y_mean[363]	-0.35	4.7e-4	0.03	-0.4	-0.36	-0.35	-0.33	-0.29	2972	1.0
y_mean[364]	-0.04	3.0e-4	0.02	-0.07	-0.05	-0.04	-0.03	-5.7e-3	3436	1.0
y_mean[365]	-0.54	4.6e-4	0.03	-0.6	-0.56	-0.54	-0.52	-0.48	4614	1.0

y_mean[366]	-0.15	4.1e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	3865	1.0
y_mean[367]	1.5	1.0e-3	0.07	1.36	1.45	1.5	1.55	1.65	5383	1.0
y_mean[368]	-0.45	3.3e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	3603	1.0
y_mean[369]	-0.54	7.5e-4	0.04	-0.61	-0.56	-0.54	-0.51	-0.46	2864	1.0
y_mean[370]	-0.42	3.3e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	3136	1.0
y_mean[371]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3283	1.0
y_mean[372]	0.05	3.9e-4	0.02	6.7e-3	0.03	0.05	0.06	0.09	3034	1.0
y_mean[373]	-0.45	3.3e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	3590	1.0
y_mean[374]	-0.45	4.0e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.4	3767	1.0
y_mean[375]	-0.09	4.0e-4	0.03	-0.14	-0.11	-0.09	-0.07	-0.04	4093	1.0
y_mean[376]	0.35	5.8e-4	0.04	0.27	0.32	0.35	0.37	0.42	4480	1.0
y_mean[377]	-0.7	6.0e-4	0.04	-0.77	-0.72	-0.7	-0.67	-0.62	3854	1.0
y_mean[378]	-0.13	4.7e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	3164	1.0
y_mean[379]	-0.19	4.2e-4	0.02	-0.24	-0.2	-0.19	-0.17	-0.14	3305	1.0
y_mean[380]	-0.09	3.9e-4	0.02	-0.13	-0.11	-0.09	-0.08	-0.05	2849	1.0
y_mean[381]	-0.5	5.6e-4	0.03	-0.56	-0.52	-0.5	-0.47	-0.43	3703	1.0
y_mean[382]	-0.18	4.9e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.13	3545	1.0
y_mean[383]	-0.61	4.5e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.56	3653	1.0
y_mean[384]	-0.45	3.7e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3773	1.0
y_mean[385]	0.28	4.9e-4	0.03	0.22	0.26	0.28	0.3	0.33	3372	1.0
y_mean[386]	-0.12	4.1e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	2737	1.0
y_mean[387]	0.51	7.0e-4	0.04	0.43	0.48	0.51	0.54	0.59	3304	1.0
y_mean[388]	-0.12	3.6e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	3457	1.0
y_mean[389]	0.47	7.5e-4	0.05	0.38	0.44	0.47	0.5	0.56	3719	1.0
y_mean[390]	-0.36	2.5e-4	0.02	-0.39	-0.37	-0.36	-0.35	-0.33	3961	1.0
y_mean[391]	-0.34	9.0e-4	0.05	-0.44	-0.38	-0.34	-0.31	-0.24	2912	1.0
y_mean[392]	-0.07	5.5e-4	0.03	-0.13	-0.09	-0.07	-0.05	-0.01	3183	1.0
y_mean[393]	-0.09	3.8e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	2990	1.0
y_mean[394]	-0.01	4.5e-4	0.03	-0.06	-0.03	-0.01	4.7e-3	0.04	3212	1.0
y_mean[395]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	3054	1.0
y_mean[396]	-0.43	5.1e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	3569	1.0
y_mean[397]	-0.41	3.5e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3844	1.0
y_mean[398]	-0.31	3.9e-4	0.02	-0.35	-0.32	-0.31	-0.29	-0.26	3011	1.0
y_mean[399]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	3483	1.0
y_mean[400]	-0.17	7.5e-4	0.04	-0.24	-0.2	-0.17	-0.14	-0.1	2455	1.0
y_mean[401]	-0.02	3.8e-4	0.02	-0.06	-0.03	-0.02	-2.8e-3	0.03	3600	1.0
y_mean[402]	-0.65	6.0e-4	0.04	-0.73	-0.68	-0.65	-0.63	-0.58	3922	1.0
y_mean[403]	0.45	4.4e-4	0.03	0.4	0.43	0.45	0.47	0.51	4020	1.0
y_mean[404]	-0.4	5.0e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	4060	1.0
y_mean[405]	-0.47	4.7e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.41	3683	1.0
y_mean[406]	0.05	4.2e-4	0.03	1.7e-3	0.04	0.05	0.07	0.11	4262	1.0
y_mean[407]	0.47	6.5e-4	0.04	0.4	0.45	0.47	0.5	0.54	3194	1.0
y_mean[408]	0.32	6.6e-4	0.04	0.25	0.3	0.32	0.35	0.39	3071	1.0
y_mean[409]	0.5	4.3e-4	0.03	0.45	0.48	0.5	0.52	0.55	4085	1.0
y_mean[410]	-0.4	3.5e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	3026	1.0
y_mean[411]	-0.4	5.7e-4	0.03	-0.46	-0.42	-0.4	-0.37	-0.33	3734	1.0
y_mean[412]	-0.68	5.5e-4	0.03	-0.75	-0.7	-0.68	-0.65	-0.61	3958	1.0
y_mean[413]	-0.05	3.6e-4	0.02	-0.09	-0.06	-0.05	-0.03	-9.0e-3	3369	1.0

y_mean[414]	-0.39	3.8e-4	0.02	-0.44	-0.41	-0.39	-0.37	-0.34	3940	1.0
y_mean[415]	-0.65	6.2e-4	0.04	-0.72	-0.68	-0.65	-0.63	-0.58	3560	1.0
y_mean[416]	-0.09	8.2e-4	0.05	-0.18	-0.12	-0.09	-0.06	2.4e-3	3384	1.0
y_mean[417]	-0.47	4.0e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.42	3731	1.0
y_mean[418]	-0.09	5.5e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.03	3042	1.0
y_mean[419]	0.52	4.8e-4	0.03	0.46	0.5	0.52	0.54	0.58	4360	1.0
y_mean[420]	-0.33	6.4e-4	0.04	-0.4	-0.35	-0.33	-0.3	-0.26	3340	1.0
y_mean[421]	-0.15	4.0e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	2965	1.0
y_mean[422]	-0.57	5.1e-4	0.03	-0.64	-0.59	-0.57	-0.55	-0.5	4357	1.0
y_mean[423]	0.78	6.0e-4	0.04	0.7	0.75	0.78	0.81	0.86	4602	1.0
y_mean[424]	-0.53	8.5e-4	0.06	-0.64	-0.57	-0.53	-0.5	-0.43	4326	1.0
y_mean[425]	-0.44	3.6e-4	0.02	-0.48	-0.46	-0.44	-0.42	-0.4	3803	1.0
y_mean[426]	-0.33	3.0e-4	0.02	-0.36	-0.34	-0.33	-0.31	-0.29	3447	1.0
y_mean[427]	-0.15	3.7e-4	0.02	-0.19	-0.17	-0.15	-0.14	-0.11	3015	1.0
y_mean[428]	-0.42	4.8e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.36	3786	1.0
y_mean[429]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3353	1.0
y_mean[430]	-0.19	4.4e-4	0.02	-0.24	-0.21	-0.19	-0.18	-0.14	3064	1.0
y_mean[431]	-0.36	3.0e-4	0.02	-0.4	-0.37	-0.36	-0.35	-0.33	3464	1.0
y_mean[432]	-0.47	5.3e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3629	1.0
y_mean[433]	-0.19	5.6e-4	0.03	-0.26	-0.22	-0.19	-0.17	-0.12	3690	1.0
y_mean[434]	-0.63	4.9e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	4135	1.0
y_mean[435]	-0.14	3.9e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.09	3850	1.0
y_mean[436]	0.13	7.4e-4	0.04	0.04	0.1	0.13	0.16	0.21	3560	1.0
y_mean[437]	-0.27	7.5e-4	0.04	-0.33	-0.29	-0.27	-0.24	-0.19	2296	1.0
y_mean[438]	-0.55	4.4e-4	0.03	-0.6	-0.57	-0.55	-0.53	-0.49	4266	1.0
y_mean[439]	-0.2	4.9e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	3408	1.0
y_mean[440]	-0.42	3.2e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	3637	1.0
y_mean[441]	-0.69	5.6e-4	0.03	-0.76	-0.71	-0.69	-0.66	-0.62	3886	1.0
y_mean[442]	-0.38	4.2e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	2989	1.0
y_mean[443]	0.59	5.7e-4	0.03	0.52	0.56	0.59	0.61	0.65	3610	1.0
y_mean[444]	0.32	5.3e-4	0.03	0.26	0.3	0.32	0.35	0.39	4303	1.0
y_mean[445]	0.38	4.2e-4	0.03	0.33	0.37	0.38	0.4	0.43	3823	1.0
y_mean[446]	-0.17	3.8e-4	0.02	-0.21	-0.19	-0.17	-0.16	-0.13	3134	1.0
y_mean[447]	-0.12	3.8e-4	0.02	-0.16	-0.14	-0.12	-0.1	-0.07	3874	1.0
y_mean[448]	-0.45	3.2e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3591	1.0
y_mean[449]	-0.44	3.2e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.41	3614	1.0
y_mean[450]	-0.16	4.1e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	3110	1.0
y_mean[451]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3932	1.0
y_mean[452]	0.05	4.3e-4	0.02	4.9e-3	0.04	0.05	0.07	0.09	2898	1.0
y_mean[453]	-0.09	6.1e-4	0.03	-0.16	-0.11	-0.09	-0.07	-0.03	3078	1.0
y_mean[454]	-0.38	3.1e-4	0.02	-0.42	-0.39	-0.38	-0.37	-0.34	3520	1.0
y_mean[455]	-0.4	3.4e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	3015	1.0
y_mean[456]	-0.45	3.5e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	3761	1.0
y_mean[457]	0.18	6.9e-4	0.04	0.1	0.16	0.18	0.21	0.26	3330	1.0
y_mean[458]	-0.44	3.1e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.41	3559	1.0
y_mean[459]	-0.17	4.4e-4	0.02	-0.22	-0.19	-0.17	-0.15	-0.12	3254	1.0
y_mean[460]	-0.02	5.8e-4	0.03	-0.08	-0.04	-0.01	7.1e-3	0.05	3239	1.0
y_mean[461]	-0.67	5.3e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.6	3685	1.0

y_mean[462]	0.6	1.0e-3	0.06	0.48	0.56	0.6	0.65	0.73	3968	1.0
y_mean[463]	-0.6	4.0e-4	0.03	-0.65	-0.61	-0.6	-0.58	-0.54	4456	1.0
y_mean[464]	-0.4	3.4e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	3524	1.0
y_mean[465]	-0.17	7.0e-4	0.04	-0.25	-0.2	-0.18	-0.15	-0.11	2508	1.0
y_mean[466]	-0.62	4.4e-4	0.03	-0.68	-0.64	-0.62	-0.61	-0.57	3862	1.0
y_mean[467]	1.04	6.8e-4	0.05	0.95	1.0	1.04	1.07	1.13	4645	1.0
y_mean[468]	-7.6e-4	5.5e-4	0.03	-0.06	-0.02	-6.6e-4	0.02	0.06	2802	1.0
y_mean[469]	-0.11	4.3e-4	0.02	-0.15	-0.12	-0.11	-0.09	-0.06	2745	1.0
y_mean[470]	0.22	3.9e-4	0.03	0.17	0.2	0.22	0.24	0.27	4053	1.0
y_mean[471]	-0.14	4.3e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.09	2785	1.0
y_mean[472]	-0.1	3.7e-4	0.02	-0.14	-0.12	-0.1	-0.09	-0.06	2960	1.0
y_mean[473]	0.02	4.1e-4	0.02	-0.02	5.1e-3	0.02	0.04	0.06	2961	1.0
y_mean[474]	-0.11	3.7e-4	0.02	-0.15	-0.12	-0.11	-0.1	-0.07	2953	1.0
y_mean[475]	-0.35	4.4e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	3917	1.0
y_mean[476]	-0.3	7.4e-4	0.04	-0.36	-0.32	-0.3	-0.28	-0.23	2251	1.0
y_mean[477]	0.05	4.3e-4	0.03	-4.1e-3	0.03	0.05	0.06	0.09	3547	1.0
y_mean[478]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.37	3025	1.0
y_mean[479]	0.86	5.6e-4	0.03	0.79	0.84	0.86	0.88	0.93	3616	1.0
y_mean[480]	-0.24	5.4e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.17	3485	1.0
y_mean[481]	-0.56	4.6e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.5	4558	1.0
y_mean[482]	0.03	5.4e-4	0.03	-0.03	0.01	0.03	0.05	0.1	3773	1.0
y_mean[483]	0.21	6.9e-4	0.04	0.13	0.18	0.21	0.24	0.29	3250	1.0
y_mean[484]	-0.05	4.9e-4	0.03	-0.11	-0.07	-0.05	-0.03	9.6e-4	3146	1.0
y_mean[485]	0.43	4.4e-4	0.03	0.37	0.41	0.43	0.45	0.49	3966	1.0
y_mean[486]	-0.24	5.7e-4	0.03	-0.31	-0.26	-0.24	-0.22	-0.17	3541	1.0
y_mean[487]	0.23	5.6e-4	0.03	0.16	0.21	0.23	0.26	0.3	3730	1.0
y_mean[488]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3905	1.0
y_mean[489]	0.78	6.1e-4	0.04	0.7	0.75	0.78	0.81	0.86	4938	1.0
y_mean[490]	-0.57	5.7e-4	0.04	-0.64	-0.6	-0.57	-0.55	-0.5	4188	1.0
y_mean[491]	-0.13	4.3e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	3616	1.0
y_mean[492]	0.74	5.0e-4	0.03	0.68	0.72	0.74	0.76	0.8	3850	1.0
y_mean[493]	-0.1	6.0e-4	0.04	-0.17	-0.13	-0.1	-0.08	-0.03	3436	1.0
y_mean[494]	1.12	6.5e-4	0.04	1.03	1.09	1.12	1.15	1.21	4650	1.0
y_mean[495]	0.12	6.3e-4	0.03	0.05	0.1	0.12	0.14	0.18	2679	1.0
y_mean[496]	0.1	4.6e-4	0.02	0.05	0.08	0.1	0.11	0.14	2865	1.0
y_mean[497]	0.65	5.4e-4	0.03	0.59	0.63	0.65	0.68	0.72	3733	1.0
y_mean[498]	-0.06	4.2e-4	0.02	-0.11	-0.08	-0.06	-0.05	-0.02	3295	1.0
y_mean[499]	-0.33	4.6e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.28	3150	1.0
y_mean[500]	-0.63	5.5e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	3359	1.0
y_mean[501]	0.88	6.9e-4	0.04	0.8	0.86	0.89	0.91	0.96	3911	1.0
y_mean[502]	-0.02	4.1e-4	0.02	-0.06	-0.03	-0.02	-1.6e-3	0.03	3213	1.0
y_mean[503]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3530	1.0
y_mean[504]	-0.6	4.4e-4	0.03	-0.65	-0.62	-0.6	-0.58	-0.55	3747	1.0
y_mean[505]	-0.42	3.3e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3126	1.0
y_mean[506]	-0.11	3.7e-4	0.02	-0.15	-0.12	-0.11	-0.1	-0.07	2997	1.0
y_mean[507]	-0.39	3.5e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	3421	1.0
y_mean[508]	-0.63	5.9e-4	0.03	-0.7	-0.65	-0.63	-0.61	-0.56	3366	1.0
y_mean[509]	0.3	5.6e-4	0.03	0.24	0.28	0.3	0.33	0.37	3686	1.0

y_mean[510]	-0.44	4.7e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.38	3753	1.0
y_mean[511]	-0.09	3.6e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	3781	1.0
y_mean[512]	-0.19	4.3e-4	0.03	-0.24	-0.21	-0.19	-0.18	-0.14	3343	1.0
y_mean[513]	0.55	4.4e-4	0.03	0.49	0.53	0.55	0.57	0.6	4253	1.0
y_mean[514]	-0.4	4.1e-4	0.03	-0.45	-0.42	-0.4	-0.39	-0.35	3917	1.0
y_mean[515]	0.4	4.3e-4	0.03	0.35	0.38	0.4	0.42	0.45	3809	1.0
y_mean[516]	-0.33	4.8e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	3591	1.0
y_mean[517]	0.83	7.3e-4	0.05	0.73	0.8	0.83	0.86	0.92	4505	1.0
y_mean[518]	-0.38	3.9e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	3125	1.0
y_mean[519]	0.13	6.7e-4	0.04	0.05	0.1	0.13	0.16	0.22	4428	1.0
y_mean[520]	-0.23	4.0e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.18	3881	1.0
y_mean[521]	-0.4	8.2e-4	0.04	-0.48	-0.43	-0.4	-0.37	-0.31	2751	1.0
y_mean[522]	1.23	1.0e-3	0.06	1.1	1.19	1.23	1.27	1.35	3817	1.0
y_mean[523]	-0.68	5.8e-4	0.04	-0.75	-0.71	-0.68	-0.66	-0.61	3726	1.0
y_mean[524]	-0.36	4.5e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	2894	1.0
y_mean[525]	-0.45	3.9e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3839	1.0
y_mean[526]	0.06	4.7e-4	0.03	3.0e-3	0.04	0.06	0.08	0.11	3593	1.0
y_mean[527]	0.14	7.1e-4	0.04	0.06	0.11	0.15	0.17	0.23	3614	1.0
y_mean[528]	0.7	5.8e-4	0.04	0.63	0.68	0.7	0.72	0.77	3866	1.0
y_mean[529]	-0.44	3.1e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3539	1.0
y_mean[530]	-1.8e-4	5.2e-4	0.03	-0.05	-0.02	4.6e-4	0.02	0.05	2648	1.0
y_mean[531]	-0.4	3.9e-4	0.02	-0.45	-0.42	-0.4	-0.38	-0.35	3934	1.0
y_mean[532]	-0.39	3.7e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.35	3231	1.0
y_mean[533]	-0.33	4.3e-4	0.02	-0.38	-0.35	-0.33	-0.31	-0.28	3314	1.0
y_mean[534]	0.65	8.3e-4	0.05	0.54	0.61	0.65	0.68	0.75	4292	1.0
y_mean[535]	-0.44	3.2e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3628	1.0
y_mean[536]	-0.07	4.7e-4	0.03	-0.12	-0.09	-0.07	-0.05	-0.02	2985	1.0
y_mean[537]	0.03	7.0e-4	0.04	-0.06	-3.0e-3	0.03	0.06	0.11	4005	1.0
y_mean[538]	0.15	4.5e-4	0.02	0.1	0.14	0.15	0.17	0.2	2958	1.0
y_mean[539]	-0.42	2.9e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	4254	1.0
y_mean[540]	-0.76	9.0e-4	0.05	-0.86	-0.79	-0.75	-0.72	-0.65	3647	1.0
y_mean[541]	-0.42	3.2e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3093	1.0
y_mean[542]	-0.08	5.6e-4	0.03	-0.15	-0.1	-0.08	-0.06	-0.02	3392	1.0
y_mean[543]	-0.17	3.8e-4	0.02	-0.21	-0.18	-0.17	-0.16	-0.13	3118	1.0
y_mean[544]	-0.38	3.8e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	3857	1.0
y_mean[545]	-0.5	4.8e-4	0.03	-0.56	-0.52	-0.5	-0.47	-0.43	4473	1.0
y_mean[546]	-0.45	3.5e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	3756	1.0
y_mean[547]	0.31	4.4e-4	0.03	0.26	0.29	0.31	0.33	0.36	3544	1.0
y_mean[548]	-0.05	3.8e-4	0.02	-0.09	-0.06	-0.05	-0.03	-4.2e-3	3195	1.0
y_mean[549]	-0.39	3.9e-4	0.02	-0.44	-0.41	-0.39	-0.37	-0.34	3952	1.0
y_mean[550]	-0.11	3.6e-4	0.02	-0.15	-0.13	-0.11	-0.1	-0.07	3376	1.0
y_mean[551]	1.25	8.1e-4	0.05	1.15	1.22	1.25	1.29	1.35	4212	1.0
y_mean[552]	-0.21	4.4e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.16	3463	1.0
y_mean[553]	0.68	6.7e-4	0.04	0.59	0.65	0.68	0.71	0.77	4507	1.0
y_mean[554]	-0.38	3.8e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3143	1.0
y_mean[555]	-0.24	5.6e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.18	2525	1.0
y_mean[556]	-0.13	5.6e-4	0.03	-0.19	-0.16	-0.14	-0.11	-0.07	3030	1.0
y_mean[557]	-0.51	5.2e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	4044	1.0

y_mean[558]	1.4	7.2e-4	0.05	1.31	1.37	1.4	1.43	1.49	4205	1.0
y_mean[559]	1.25	7.7e-4	0.05	1.16	1.22	1.25	1.29	1.36	4406	1.0
y_mean[560]	-0.18	3.8e-4	0.02	-0.22	-0.2	-0.18	-0.17	-0.14	3549	1.0
y_mean[561]	-0.77	9.4e-4	0.06	-0.88	-0.81	-0.77	-0.73	-0.66	3553	1.0
y_mean[562]	-0.4	3.4e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	3794	1.0
y_mean[563]	-0.21	4.4e-4	0.02	-0.26	-0.23	-0.21	-0.2	-0.16	2930	1.0
y_mean[564]	-0.28	5.0e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	3339	1.0
y_mean[565]	0.92	5.6e-4	0.04	0.84	0.89	0.92	0.95	0.99	4996	1.0
y_mean[566]	-0.33	4.7e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	3771	1.0
y_mean[567]	-0.56	4.4e-4	0.03	-0.61	-0.58	-0.56	-0.54	-0.5	4545	1.0
y_mean[568]	0.33	6.4e-4	0.04	0.25	0.3	0.33	0.36	0.42	4753	1.0
y_mean[569]	0.79	6.9e-4	0.05	0.7	0.76	0.79	0.82	0.88	4470	1.0
y_mean[570]	2.25	1.7e-3	0.11	2.03	2.18	2.25	2.32	2.47	4502	1.0
y_mean[571]	0.7	5.2e-4	0.03	0.63	0.67	0.7	0.72	0.77	4527	1.0
y_mean[572]	-0.13	3.7e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.09	2958	1.0
y_mean[573]	-0.15	3.7e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.11	3012	1.0
y_mean[574]	-0.4	4.0e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3702	1.0
y_mean[575]	-0.35	5.1e-4	0.03	-0.41	-0.37	-0.35	-0.34	-0.3	3074	1.0
y_mean[576]	0.12	8.7e-4	0.05	0.02	0.08	0.12	0.15	0.2	2830	1.0
y_mean[577]	-0.44	3.3e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3525	1.0
y_mean[578]	-0.46	7.6e-4	0.05	-0.55	-0.49	-0.46	-0.43	-0.37	3613	1.0
y_mean[579]	-0.34	4.5e-4	0.03	-0.39	-0.36	-0.34	-0.33	-0.29	3042	1.0
y_mean[580]	-0.05	2.7e-4	0.02	-0.09	-0.07	-0.05	-0.04	-0.02	4052	1.0
y_mean[581]	-0.34	3.2e-4	0.02	-0.38	-0.35	-0.34	-0.33	-0.31	3265	1.0
y_mean[582]	-0.2	5.4e-4	0.03	-0.26	-0.23	-0.2	-0.18	-0.14	3419	1.0
y_mean[583]	0.74	4.8e-4	0.03	0.68	0.72	0.74	0.76	0.8	3984	1.0
y_mean[584]	-0.55	4.5e-4	0.03	-0.61	-0.57	-0.55	-0.53	-0.5	4181	1.0
y_mean[585]	-0.25	5.6e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.18	3367	1.0
y_mean[586]	-0.39	3.7e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	3023	1.0
y_mean[587]	-0.06	3.8e-4	0.02	-0.1	-0.08	-0.06	-0.05	-0.02	3056	1.0
y_mean[588]	-0.05	4.8e-4	0.03	-0.11	-0.07	-0.05	-0.03	4.0e-3	3433	1.0
y_mean[589]	13.58	5.4e-3	0.34	12.91	13.35	13.58	13.8	14.25	3948	1.0
y_mean[590]	-0.36	4.4e-4	0.03	-0.41	-0.37	-0.36	-0.34	-0.31	3364	1.0
y_mean[591]	-0.65	4.8e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.59	4032	1.0
y_mean[592]	-0.11	4.1e-4	0.03	-0.16	-0.13	-0.12	-0.1	-0.06	4026	1.0
y_mean[593]	-0.12	3.7e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	2953	1.0
y_mean[594]	-0.41	3.4e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	2895	1.0
y_mean[595]	-0.04	3.7e-4	0.02	-0.08	-0.05	-0.04	-0.02	6.9e-3	3792	1.0
y_mean[596]	1.68	8.9e-4	0.06	1.57	1.64	1.68	1.72	1.79	4038	1.0
y_mean[597]	0.72	6.7e-4	0.05	0.63	0.69	0.72	0.75	0.81	4612	1.0
y_mean[598]	0.12	4.7e-4	0.03	0.06	0.1	0.12	0.14	0.18	3807	1.0
y_mean[599]	-0.41	4.0e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3920	1.0
y_mean[600]	-0.17	4.6e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3428	1.0
y_mean[601]	-0.15	4.2e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	3031	1.0
y_mean[602]	-0.56	4.5e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.51	3987	1.0
y_mean[603]	-0.4	3.5e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	2908	1.0
y_mean[604]	-0.46	3.8e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	3787	1.0
y_mean[605]	-0.44	3.1e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.4	3993	1.0

y_mean[606]	0.34	4.3e-4	0.03	0.28	0.32	0.34	0.36	0.39	3973	1.0
y_mean[607]	0.31	7.2e-4	0.04	0.23	0.28	0.31	0.34	0.39	3064	1.0
y_mean[608]	-0.38	3.4e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3412	1.0
y_mean[609]	0.17	7.7e-4	0.05	0.07	0.13	0.17	0.2	0.27	4239	1.0
y_mean[610]	1.01	6.4e-4	0.04	0.92	0.98	1.01	1.03	1.09	4469	1.0
y_mean[611]	-0.1	5.5e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	2921	1.0
y_mean[612]	-0.31	4.7e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.26	3350	1.0
y_mean[613]	-0.4	2.5e-4	0.02	-0.43	-0.41	-0.4	-0.39	-0.37	4159	1.0
y_mean[614]	-0.38	2.4e-4	0.02	-0.41	-0.39	-0.38	-0.37	-0.35	4122	1.0
y_mean[615]	-0.63	4.4e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.58	3958	1.0
y_mean[616]	2.46	1.0e-3	0.07	2.33	2.41	2.46	2.5	2.59	4433	1.0
y_mean[617]	-0.2	4.7e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	3392	1.0
y_mean[618]	-0.19	6.2e-4	0.04	-0.26	-0.22	-0.19	-0.17	-0.12	3431	1.0
y_mean[619]	0.56	5.4e-4	0.03	0.49	0.54	0.56	0.59	0.63	3967	1.0
y_mean[620]	-0.15	4.1e-4	0.02	-0.19	-0.17	-0.15	-0.14	-0.11	2952	1.0
y_mean[621]	-0.16	4.5e-4	0.03	-0.21	-0.17	-0.16	-0.14	-0.11	3247	1.0
y_mean[622]	2.3	1.3e-3	0.08	2.15	2.24	2.3	2.35	2.45	3797	1.0
y_mean[623]	1.93	1.1e-3	0.07	1.79	1.88	1.93	1.98	2.07	3957	1.0
y_mean[624]	-0.3	5.3e-4	0.03	-0.37	-0.33	-0.3	-0.28	-0.24	3746	1.0
y_mean[625]	1.25	9.4e-4	0.06	1.12	1.2	1.25	1.29	1.37	4664	1.0
y_mean[626]	-0.45	3.3e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	4011	1.0
y_mean[627]	5.06	2.1e-3	0.12	4.83	4.98	5.06	5.15	5.29	3224	1.0
y_mean[628]	0.14	6.5e-4	0.04	0.07	0.12	0.14	0.17	0.22	3520	1.0
y_mean[629]	0.45	4.2e-4	0.03	0.39	0.43	0.45	0.47	0.5	4061	1.0
y_mean[630]	-0.29	6.1e-4	0.04	-0.36	-0.31	-0.29	-0.26	-0.21	3624	1.0
y_mean[631]	-8.6e-3	4.7e-4	0.03	-0.06	-0.03	-9.1e-3	9.4e-3	0.05	3315	1.0
y_mean[632]	0.04	4.9e-4	0.03	-7.1e-3	0.03	0.05	0.06	0.09	2817	1.0
y_mean[633]	-0.42	4.3e-4	0.03	-0.47	-0.43	-0.42	-0.4	-0.36	3992	1.0
y_mean[634]	-0.42	3.6e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	3580	1.0
y_mean[635]	0.04	7.4e-4	0.04	-0.03	0.02	0.04	0.07	0.11	2381	1.0
y_mean[636]	-0.07	3.8e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.03	3039	1.0
y_mean[637]	-0.38	4.1e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	3027	1.0
y_mean[638]	1.38	7.2e-4	0.05	1.29	1.35	1.38	1.41	1.47	4341	1.0
y_mean[639]	-0.15	3.9e-4	0.02	-0.19	-0.17	-0.15	-0.14	-0.11	2915	1.0
y_mean[640]	0.8	6.0e-4	0.04	0.72	0.77	0.8	0.83	0.88	4307	1.0
y_mean[641]	-0.15	3.6e-4	0.02	-0.19	-0.16	-0.15	-0.14	-0.11	3178	1.0
y_mean[642]	-0.29	3.4e-4	0.02	-0.32	-0.3	-0.29	-0.27	-0.25	3369	1.0
y_mean[643]	3.98	1.6e-3	0.09	3.8	3.92	3.98	4.05	4.17	3366	1.0
y_mean[644]	-0.1	7.5e-4	0.04	-0.18	-0.13	-0.1	-0.08	-0.03	2518	1.0
y_mean[645]	-0.32	4.7e-4	0.03	-0.37	-0.33	-0.32	-0.3	-0.26	3188	1.0
y_mean[646]	-0.07	3.8e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	3135	1.0
y_mean[647]	0.28	6.0e-4	0.04	0.21	0.26	0.28	0.3	0.35	3641	1.0
y_mean[648]	-0.27	4.8e-4	0.03	-0.32	-0.29	-0.27	-0.26	-0.22	2732	1.0
y_mean[649]	-0.38	4.2e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.33	3737	1.0
y_mean[650]	0.09	4.4e-4	0.03	0.04	0.07	0.09	0.11	0.14	3291	1.0
y_mean[651]	-0.09	6.1e-4	0.03	-0.16	-0.12	-0.09	-0.07	-0.03	3044	1.0
y_mean[652]	-0.28	4.9e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	3641	1.0
y_mean[653]	0.13	6.1e-4	0.03	0.07	0.11	0.13	0.15	0.19	2694	1.0

y_mean[654]	0.92	5.6e-4	0.04	0.84	0.89	0.92	0.94	0.99	4698	1.0
y_mean[655]	-0.4	3.1e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	4146	1.0
y_mean[656]	-0.33	5.4e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	3145	1.0
y_mean[657]	-0.12	3.6e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	3733	1.0
y_mean[658]	-0.13	3.8e-4	0.02	-0.17	-0.15	-0.13	-0.11	-0.09	3818	1.0
y_mean[659]	-0.24	5.0e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.19	2722	1.0
y_mean[660]	-0.31	4.8e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.25	3726	1.0
y_mean[661]	0.27	4.8e-4	0.03	0.21	0.25	0.28	0.29	0.33	3917	1.0
y_mean[662]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3591	1.0
y_mean[663]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.4	3319	1.0
y_mean[664]	-0.27	6.6e-4	0.04	-0.35	-0.3	-0.27	-0.24	-0.18	4229	1.0
y_mean[665]	-0.41	3.3e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.38	2963	1.0
y_mean[666]	1.07	7.2e-4	0.04	0.98	1.04	1.07	1.1	1.15	3874	1.0
y_mean[667]	0.03	4.2e-4	0.03	-0.02	8.5e-3	0.03	0.05	0.08	4318	1.0
y_mean[668]	0.23	6.5e-4	0.03	0.17	0.21	0.23	0.26	0.3	2697	1.0
y_mean[669]	-0.11	6.1e-4	0.04	-0.17	-0.13	-0.11	-0.08	-0.04	3312	1.0
y_mean[670]	-0.12	3.6e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	3086	1.0
y_mean[671]	-0.21	5.7e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.15	2536	1.0
y_mean[672]	-0.27	7.5e-4	0.04	-0.34	-0.29	-0.27	-0.25	-0.2	2286	1.0
y_mean[673]	-0.36	4.3e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	3229	1.0
y_mean[674]	0.96	5.5e-4	0.04	0.89	0.94	0.96	0.99	1.03	4801	1.0
y_mean[675]	1.58	8.2e-4	0.05	1.47	1.54	1.58	1.61	1.68	4003	1.0
y_mean[676]	-0.41	3.4e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3011	1.0
y_mean[677]	-0.16	3.7e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	3126	1.0
y_mean[678]	-0.1	3.7e-4	0.02	-0.14	-0.12	-0.1	-0.09	-0.06	3034	1.0
y_mean[679]	0.16	5.8e-4	0.03	0.1	0.14	0.16	0.18	0.22	2645	1.0
y_mean[680]	0.43	7.1e-4	0.04	0.35	0.4	0.43	0.46	0.5	3072	1.0
y_mean[681]	-0.45	3.5e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	3749	1.0
y_mean[682]	-0.1	6.9e-4	0.04	-0.17	-0.12	-0.1	-0.07	-0.03	2925	1.0
y_mean[683]	-0.09	3.4e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.05	3517	1.0
y_mean[684]	0.31	4.4e-4	0.03	0.26	0.29	0.31	0.33	0.36	3563	1.0
y_mean[685]	-0.46	8.5e-4	0.04	-0.55	-0.49	-0.46	-0.43	-0.37	2789	1.0
y_mean[686]	-0.29	6.0e-4	0.03	-0.35	-0.31	-0.29	-0.27	-0.23	2398	1.0
y_mean[687]	-0.32	5.2e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.27	3099	1.0
y_mean[688]	-0.12	4.1e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.08	2732	1.0
y_mean[689]	1.06	5.6e-4	0.04	0.98	1.03	1.06	1.09	1.14	4893	1.0
y_mean[690]	0.79	9.5e-4	0.06	0.68	0.75	0.79	0.83	0.91	3798	1.0
y_mean[691]	-0.42	3.2e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	3097	1.0
y_mean[692]	-0.04	6.5e-4	0.04	-0.11	-0.06	-0.04	-0.02	0.03	3026	1.0
y_mean[693]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.39	3307	1.0
y_mean[694]	-0.4	3.3e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	3461	1.0
y_mean[695]	-0.03	4.2e-4	0.02	-0.08	-0.05	-0.03	-0.02	0.01	3013	1.0
y_mean[696]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	2872	1.0
y_mean[697]	0.65	5.5e-4	0.03	0.58	0.63	0.65	0.67	0.72	4049	1.0
y_mean[698]	0.09	4.6e-4	0.03	0.03	0.07	0.09	0.11	0.14	3679	1.0
y_mean[699]	-0.65	4.6e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.59	3908	1.0
y_mean[700]	0.76	6.2e-4	0.04	0.68	0.73	0.76	0.79	0.84	4443	1.0
y_mean[701]	-0.17	5.0e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.11	3373	1.0

y_mean[702]	1.23	6.0e-4	0.04	1.16	1.21	1.23	1.26	1.3	3746	1.0
y_mean[703]	-0.38	3.8e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	2930	1.0
y_mean[704]	-0.16	6.8e-4	0.04	-0.23	-0.19	-0.16	-0.14	-0.09	2788	1.0
y_mean[705]	-0.3	1.2e-3	0.06	-0.42	-0.34	-0.3	-0.26	-0.18	2708	1.0
y_mean[706]	-0.14	5.9e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.08	2807	1.0
y_mean[707]	-0.28	6.9e-4	0.04	-0.37	-0.31	-0.28	-0.26	-0.21	3470	1.0
y_mean[708]	-0.13	3.4e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.09	3599	1.0
y_mean[709]	-0.38	3.1e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3830	1.0
y_mean[710]	-0.06	3.8e-4	0.02	-0.1	-0.08	-0.06	-0.05	-0.02	3056	1.0
y_mean[711]	-0.63	4.1e-4	0.03	-0.68	-0.65	-0.63	-0.61	-0.58	4226	1.0
y_mean[712]	-0.28	4.0e-4	0.02	-0.33	-0.3	-0.28	-0.27	-0.24	2934	1.0
y_mean[713]	1.15	5.7e-4	0.04	1.09	1.13	1.15	1.18	1.22	3936	1.0
y_mean[714]	0.61	4.8e-4	0.03	0.55	0.58	0.61	0.63	0.67	4221	1.0
y_mean[715]	-0.35	4.3e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	3696	1.0
y_mean[716]	-0.42	4.2e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.37	3456	1.0
y_mean[717]	-0.68	5.4e-4	0.03	-0.75	-0.7	-0.68	-0.66	-0.61	3826	1.0
y_mean[718]	-0.46	8.1e-4	0.04	-0.54	-0.49	-0.46	-0.43	-0.37	3052	1.0
y_mean[719]	-0.15	3.8e-4	0.02	-0.19	-0.17	-0.15	-0.14	-0.11	2944	1.0
y_mean[720]	0.36	4.8e-4	0.03	0.3	0.34	0.36	0.38	0.42	3948	1.0
y_mean[721]	0.31	4.5e-4	0.03	0.25	0.29	0.31	0.33	0.37	4080	1.0
y_mean[722]	0.57	4.8e-4	0.03	0.51	0.55	0.57	0.59	0.63	4372	1.0
y_mean[723]	-0.1	4.7e-4	0.02	-0.15	-0.11	-0.1	-0.08	-0.05	2821	1.0
y_mean[724]	0.62	6.8e-4	0.05	0.53	0.59	0.62	0.65	0.71	4737	1.0
y_mean[725]	-0.46	3.6e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	3782	1.0
y_mean[726]	-0.44	3.1e-4	0.02	-0.47	-0.45	-0.44	-0.42	-0.4	3434	1.0
y_mean[727]	-0.13	3.6e-4	0.02	-0.17	-0.15	-0.13	-0.12	-0.09	2968	1.0
y_mean[728]	0.44	4.4e-4	0.03	0.39	0.42	0.44	0.46	0.5	4302	1.0
y_mean[729]	-0.08	5.9e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	2805	1.0
y_mean[730]	-0.18	4.0e-4	0.02	-0.23	-0.2	-0.19	-0.17	-0.14	3269	1.0
y_mean[731]	-0.13	3.1e-4	0.02	-0.16	-0.14	-0.13	-0.11	-0.09	3775	1.0
y_mean[732]	13.94	5.6e-3	0.35	13.25	13.7	13.95	14.18	14.63	3947	1.0
y_mean[733]	0.12	4.7e-4	0.03	0.07	0.11	0.12	0.14	0.17	3122	1.0
y_mean[734]	-0.38	3.9e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	3200	1.0
y_mean[735]	-0.41	3.4e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3789	1.0
y_mean[736]	-0.3	5.8e-4	0.03	-0.37	-0.33	-0.3	-0.28	-0.24	3348	1.0
y_mean[737]	-0.08	3.9e-4	0.02	-0.12	-0.09	-0.08	-0.07	-0.04	2890	1.0
y_mean[738]	-0.28	6.9e-4	0.04	-0.36	-0.31	-0.29	-0.26	-0.21	2899	1.0
y_mean[739]	-0.56	4.3e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.51	4328	1.0
y_mean[740]	0.22	4.0e-4	0.02	0.17	0.2	0.22	0.23	0.26	3646	1.0
y_mean[741]	-0.45	6.7e-4	0.04	-0.52	-0.47	-0.45	-0.42	-0.38	3164	1.0
y_mean[742]	0.92	7.8e-4	0.05	0.82	0.89	0.92	0.96	1.03	4418	1.0
y_mean[743]	-0.47	3.7e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	3750	1.0
y_mean[744]	0.06	3.5e-4	0.02	0.02	0.05	0.06	0.07	0.1	3253	1.0
y_mean[745]	-0.02	3.9e-4	0.02	-0.07	-0.04	-0.02	-8.0e-3	0.02	3333	1.0
y_mean[746]	-0.2	7.3e-4	0.04	-0.28	-0.23	-0.21	-0.18	-0.13	2696	1.0
y_mean[747]	-0.64	5.5e-4	0.03	-0.71	-0.66	-0.64	-0.62	-0.57	4051	1.0
y_mean[748]	-0.2	7.1e-4	0.04	-0.28	-0.23	-0.2	-0.17	-0.12	3441	1.0
y_mean[749]	-0.08	3.9e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.03	2947	1.0

y_mean[750]	-0.39	3.6e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	3363	1.0
y_mean[751]	0.27	4.5e-4	0.03	0.21	0.25	0.27	0.29	0.32	3907	1.0
y_mean[752]	0.11	4.3e-4	0.03	0.06	0.1	0.11	0.13	0.16	3547	1.0
y_mean[753]	6.58	2.6e-3	0.16	6.27	6.47	6.58	6.69	6.91	4043	1.0
y_mean[754]	0.12	4.4e-4	0.03	0.06	0.1	0.12	0.14	0.17	4007	1.0
y_mean[755]	-0.23	6.3e-4	0.04	-0.3	-0.26	-0.23	-0.21	-0.16	3454	1.0
y_mean[756]	-0.39	3.9e-4	0.02	-0.44	-0.41	-0.39	-0.37	-0.34	3952	1.0
y_mean[757]	-0.14	3.7e-4	0.02	-0.18	-0.16	-0.14	-0.13	-0.1	2973	1.0
y_mean[758]	-0.13	5.1e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.08	3143	1.0
y_mean[759]	0.38	4.3e-4	0.03	0.32	0.36	0.38	0.39	0.43	3951	1.0
y_mean[760]	0.69	5.0e-4	0.03	0.63	0.67	0.69	0.71	0.76	4265	1.0
y_mean[761]	0.28	5.1e-4	0.03	0.22	0.26	0.28	0.3	0.33	3099	1.0
y_mean[762]	-0.37	3.2e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.33	3859	1.0
y_mean[763]	-0.46	6.1e-4	0.03	-0.52	-0.48	-0.46	-0.43	-0.39	3062	1.0
y_mean[764]	0.21	4.9e-4	0.03	0.16	0.19	0.21	0.23	0.26	2930	1.0
y_mean[765]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.4	3368	1.0
y_mean[766]	1.1	5.7e-4	0.04	1.02	1.07	1.1	1.12	1.17	4558	1.0
y_mean[767]	1.79	8.2e-4	0.05	1.7	1.76	1.79	1.83	1.89	3613	1.0
y_mean[768]	-0.17	3.7e-4	0.02	-0.21	-0.18	-0.17	-0.15	-0.13	3344	1.0
y_mean[769]	0.24	4.6e-4	0.03	0.19	0.23	0.24	0.26	0.3	3563	1.0
y_mean[770]	-0.44	3.6e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	3975	1.0
y_mean[771]	-0.31	5.8e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.26	2466	1.0
y_mean[772]	1.4	9.7e-4	0.06	1.27	1.35	1.4	1.44	1.52	4223	1.0
y_mean[773]	-0.34	4.4e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.29	3114	1.0
y_mean[774]	-0.42	3.1e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3533	1.0
y_mean[775]	-0.14	6.3e-4	0.04	-0.21	-0.16	-0.14	-0.11	-0.06	3664	1.0
y_mean[776]	0.16	4.8e-4	0.03	0.1	0.14	0.16	0.18	0.22	3966	1.0
y_mean[777]	-0.49	4.6e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.43	3661	1.0
y_mean[778]	-0.13	4.2e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	2740	1.0
y_mean[779]	-0.08	3.2e-4	0.02	-0.12	-0.1	-0.08	-0.07	-0.04	4050	1.0
y_mean[780]	0.68	6.8e-4	0.04	0.59	0.65	0.68	0.71	0.76	4316	1.0
y_mean[781]	-0.03	5.3e-4	0.03	-0.09	-0.05	-0.03	-7.7e-3	0.03	3150	1.0
y_mean[782]	-0.12	3.6e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	3015	1.0
y_mean[783]	-0.42	3.2e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	3689	1.0
y_mean[784]	-0.41	3.3e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	2936	1.0
y_mean[785]	0.23	6.2e-4	0.04	0.15	0.2	0.23	0.25	0.3	3495	1.0
y_mean[786]	-0.41	3.3e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3729	1.0
y_mean[787]	0.16	5.1e-4	0.03	0.1	0.14	0.16	0.19	0.23	4673	1.0
y_mean[788]	0.09	6.4e-4	0.04	9.8e-3	0.06	0.09	0.11	0.16	3719	1.0
y_mean[789]	-0.22	6.9e-4	0.04	-0.3	-0.24	-0.22	-0.19	-0.14	3634	1.0
y_mean[790]	0.5	4.4e-4	0.03	0.44	0.48	0.5	0.52	0.56	4142	1.0
y_mean[791]	0.25	6.2e-4	0.03	0.18	0.23	0.25	0.27	0.31	2697	1.0
y_mean[792]	0.49	4.5e-4	0.03	0.43	0.47	0.49	0.51	0.54	4180	1.0
y_mean[793]	1.73	1.3e-3	0.09	1.56	1.67	1.73	1.79	1.9	4617	1.0
y_mean[794]	1.45	6.5e-4	0.04	1.37	1.42	1.45	1.48	1.53	4107	1.0
y_mean[795]	-0.56	4.5e-4	0.03	-0.62	-0.59	-0.56	-0.54	-0.51	4548	1.0
y_mean[796]	0.37	5.3e-4	0.03	0.31	0.35	0.37	0.39	0.44	3517	1.0
y_mean[797]	-0.56	4.3e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.51	4438	1.0

y_mean[798]	-0.15	4.8e-4	0.03	-0.21	-0.17	-0.16	-0.14	-0.1	2988	1.0
y_mean[799]	-5.4e-3	3.7e-4	0.02	-0.05	-0.02	-5.4e-3	8.9e-3	0.03	3274	1.0
y_mean[800]	0.09	5.1e-4	0.03	0.03	0.07	0.09	0.11	0.15	3802	1.0
y_mean[801]	0.06	3.5e-4	0.02	0.02	0.05	0.06	0.07	0.1	3255	1.0
y_mean[802]	0.97	9.2e-4	0.06	0.85	0.93	0.97	1.01	1.09	4478	1.0
y_mean[803]	0.32	5.0e-4	0.03	0.25	0.29	0.31	0.34	0.37	3614	1.0
y_mean[804]	0.43	4.5e-4	0.03	0.38	0.41	0.43	0.45	0.48	3701	1.0
y_mean[805]	-0.44	4.0e-4	0.02	-0.49	-0.45	-0.44	-0.42	-0.39	3783	1.0
y_mean[806]	0.05	4.3e-4	0.03	-6.2e-3	0.03	0.05	0.07	0.11	4391	1.0
y_mean[807]	-0.39	4.1e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	3711	1.0
y_mean[808]	-0.44	3.5e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	4040	1.0
y_mean[809]	1.56	1.0e-3	0.06	1.44	1.52	1.56	1.6	1.69	3875	1.0
y_mean[810]	-0.07	3.8e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	3094	1.0
y_mean[811]	-0.38	5.4e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.32	2556	1.0
y_mean[812]	-0.45	4.1e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	3777	1.0
y_mean[813]	-0.4	3.6e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	2859	1.0
y_mean[814]	-0.26	4.7e-4	0.03	-0.32	-0.28	-0.26	-0.25	-0.21	3276	1.0
y_mean[815]	-0.59	4.5e-4	0.03	-0.65	-0.61	-0.59	-0.57	-0.53	4411	1.0
y_mean[816]	-0.18	4.3e-4	0.03	-0.23	-0.2	-0.18	-0.17	-0.14	3566	1.0
y_mean[817]	0.01	5.1e-4	0.03	-0.04	-6.0e-3	0.01	0.03	0.06	2711	1.0
y_mean[818]	0.34	4.7e-4	0.03	0.28	0.32	0.34	0.36	0.4	3810	1.0
y_mean[819]	-0.63	6.3e-4	0.04	-0.71	-0.66	-0.63	-0.61	-0.55	3923	1.0
y_mean[820]	-0.35	4.2e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.3	2758	1.0
y_mean[821]	-0.08	3.6e-4	0.02	-0.12	-0.1	-0.08	-0.07	-0.04	3326	1.0
y_mean[822]	-0.64	4.6e-4	0.03	-0.7	-0.66	-0.64	-0.62	-0.59	3781	1.0
y_mean[823]	-0.49	5.0e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3612	1.0
y_mean[824]	0.2	5.4e-4	0.03	0.13	0.18	0.2	0.22	0.26	4051	1.0
y_mean[825]	-0.09	5.9e-4	0.03	-0.15	-0.12	-0.09	-0.07	-0.03	2721	1.0
y_mean[826]	-0.72	9.4e-4	0.06	-0.83	-0.75	-0.71	-0.68	-0.61	3596	1.0
y_mean[827]	0.13	3.9e-4	0.02	0.09	0.11	0.13	0.14	0.17	3269	1.0
y_mean[828]	0.91	5.7e-4	0.04	0.84	0.89	0.91	0.94	0.99	5047	1.0
y_mean[829]	1.02	5.7e-4	0.04	0.94	1.0	1.02	1.05	1.1	4976	1.0
y_mean[830]	1.79	2.8e-3	0.19	1.41	1.66	1.79	1.92	2.16	4594	1.0
y_mean[831]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	3105	1.0
y_mean[832]	-0.19	6.3e-4	0.04	-0.26	-0.21	-0.19	-0.16	-0.11	3431	1.0
y_mean[833]	-0.36	4.8e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3127	1.0
y_mean[834]	-0.37	4.1e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	2773	1.0
y_mean[835]	0.6	7.9e-4	0.05	0.51	0.57	0.6	0.64	0.71	4253	1.0
y_mean[836]	0.19	6.3e-4	0.04	0.11	0.16	0.19	0.21	0.26	3715	1.0
y_mean[837]	1.12	5.9e-4	0.04	1.04	1.09	1.12	1.15	1.2	4813	1.0
y_mean[838]	-0.48	8.4e-4	0.05	-0.58	-0.52	-0.48	-0.45	-0.38	3658	1.0
y_mean[839]	-0.33	5.0e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.28	3480	1.0
y_mean[840]	-0.37	4.6e-4	0.03	-0.41	-0.38	-0.37	-0.35	-0.32	3023	1.0
y_mean[841]	-0.33	7.1e-4	0.03	-0.39	-0.35	-0.33	-0.3	-0.26	2267	1.0
y_mean[842]	-0.04	5.2e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	3331	1.0
y_mean[843]	-0.34	4.4e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.29	3164	1.0
y_mean[844]	0.13	4.5e-4	0.03	0.07	0.11	0.13	0.15	0.19	4193	1.0
y_mean[845]	-0.53	7.0e-4	0.04	-0.61	-0.55	-0.53	-0.5	-0.44	3553	1.0

y_mean[846]	-0.43	2.8e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	4271	1.0
y_mean[847]	-0.44	3.4e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3550	1.0
y_mean[848]	3.39	1.0e-3	0.07	3.27	3.35	3.39	3.44	3.52	4045	1.0
y_mean[849]	-0.02	4.9e-4	0.03	-0.07	-0.04	-0.02	4.8e-4	0.03	2973	1.0
y_mean[850]	0.07	4.9e-4	0.03	0.02	0.05	0.07	0.09	0.12	3015	1.0
y_mean[851]	-0.4	3.6e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	2838	1.0
y_mean[852]	-0.14	3.7e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.1	2935	1.0
y_mean[853]	-0.41	3.4e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.37	3765	1.0
y_mean[854]	-0.41	2.4e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	4502	1.0
y_mean[855]	-0.44	3.3e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.4	3516	1.0
y_mean[856]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	3387	1.0
y_mean[857]	-0.54	7.0e-4	0.04	-0.62	-0.57	-0.54	-0.51	-0.46	3302	1.0
y_mean[858]	0.24	4.7e-4	0.03	0.18	0.22	0.24	0.25	0.29	3518	1.0
y_mean[859]	0.25	6.7e-4	0.04	0.17	0.22	0.25	0.28	0.33	3406	1.0
y_mean[860]	-0.42	3.4e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	3338	1.0
y_mean[861]	-0.1	6.9e-4	0.04	-0.17	-0.13	-0.11	-0.08	-0.03	2620	1.0
y_mean[862]	0.22	5.2e-4	0.03	0.16	0.2	0.22	0.24	0.28	3419	1.0
y_mean[863]	0.08	5.8e-4	0.03	0.02	0.06	0.08	0.1	0.13	2573	1.0
y_mean[864]	-0.42	3.3e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	3147	1.0
y_mean[865]	-0.4	3.0e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.37	3797	1.0
y_mean[866]	-0.02	3.9e-4	0.02	-0.06	-0.04	-0.02	-3.9e-3	0.03	3462	1.0
y_mean[867]	-0.27	5.6e-4	0.03	-0.33	-0.29	-0.28	-0.26	-0.22	2428	1.0
y_mean[868]	-0.11	4.7e-4	0.03	-0.16	-0.13	-0.11	-0.09	-0.06	2982	1.0
y_mean[869]	-0.31	5.4e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.24	3770	1.0
y_mean[870]	-0.37	3.9e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3682	1.0
y_mean[871]	-0.38	3.9e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3076	1.0
y_mean[872]	1.84	1.2e-3	0.08	1.68	1.79	1.84	1.9	2.0	4580	1.0
y_mean[873]	0.11	5.0e-4	0.03	0.05	0.09	0.11	0.12	0.16	2812	1.0
y_mean[874]	-0.12	4.9e-4	0.03	-0.17	-0.14	-0.12	-0.11	-0.08	2806	1.0
y_mean[875]	-0.13	3.8e-4	0.02	-0.17	-0.15	-0.13	-0.12	-0.09	2811	1.0
y_mean[876]	-0.43	4.8e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	3750	1.0
y_mean[877]	-0.35	5.5e-4	0.03	-0.41	-0.37	-0.35	-0.32	-0.28	3885	1.0
y_mean[878]	-0.32	7.5e-4	0.04	-0.39	-0.35	-0.32	-0.3	-0.25	2338	1.0
y_mean[879]	-0.41	4.8e-4	0.03	-0.47	-0.43	-0.41	-0.4	-0.36	3384	1.0
y_mean[880]	-0.39	3.9e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	2908	1.0
y_mean[881]	1.84	1.1e-3	0.07	1.7	1.79	1.84	1.89	1.99	4372	1.0
y_mean[882]	-0.37	3.6e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.33	3209	1.0
y_mean[883]	-0.38	5.7e-4	0.04	-0.44	-0.4	-0.38	-0.35	-0.31	3774	1.0
y_mean[884]	-0.3	3.0e-4	0.02	-0.33	-0.31	-0.3	-0.29	-0.26	3614	1.0
y_mean[885]	-0.07	3.9e-4	0.02	-0.11	-0.09	-0.07	-0.06	-0.03	3200	1.0
y_mean[886]	-0.57	5.4e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.51	3462	1.0
y_mean[887]	-0.21	5.5e-4	0.03	-0.28	-0.23	-0.21	-0.19	-0.14	3833	1.0
y_mean[888]	-0.2	6.5e-4	0.04	-0.28	-0.23	-0.2	-0.18	-0.13	3437	1.0
y_mean[889]	-0.35	5.2e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.3	3043	1.0
y_mean[890]	-0.04	4.3e-4	0.02	-0.08	-0.05	-0.04	-0.02	0.01	3063	1.0
y_mean[891]	-0.45	4.2e-4	0.03	-0.5	-0.47	-0.45	-0.44	-0.4	3760	1.0
y_mean[892]	-0.58	4.5e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.52	4479	1.0
y_mean[893]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3734	1.0

y_mean[894]	0.16	7.5e-4	0.04	0.08	0.13	0.16	0.18	0.24	3010	1.0
y_mean[895]	-0.44	6.4e-4	0.04	-0.52	-0.47	-0.44	-0.42	-0.36	3603	1.0
y_mean[896]	-0.61	4.4e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.55	4318	1.0
y_mean[897]	-0.58	4.4e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.52	4479	1.0
y_mean[898]	-0.45	3.2e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3572	1.0
y_mean[899]	-0.6	6.9e-4	0.04	-0.68	-0.63	-0.6	-0.57	-0.52	3441	1.0
y_mean[900]	-0.37	4.2e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	2900	1.0
y_mean[901]	-0.74	8.3e-4	0.05	-0.84	-0.77	-0.73	-0.7	-0.64	3869	1.0
y_mean[902]	-0.38	3.9e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3004	1.0
y_mean[903]	-0.35	5.4e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.29	3091	1.0
y_mean[904]	-0.39	5.2e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	3491	1.0
y_mean[905]	-0.08	4.3e-4	0.02	-0.13	-0.1	-0.08	-0.06	-0.03	3219	1.0
y_mean[906]	0.15	3.2e-4	0.02	0.11	0.13	0.15	0.16	0.19	3936	1.0
y_mean[907]	-0.39	4.6e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	2851	1.0
y_mean[908]	-0.42	3.2e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3191	1.0
y_mean[909]	-0.32	6.3e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	2387	1.0
y_mean[910]	-0.63	6.2e-4	0.04	-0.71	-0.66	-0.63	-0.61	-0.55	3937	1.0
y_mean[911]	0.23	6.2e-4	0.04	0.15	0.2	0.23	0.25	0.29	3387	1.0
y_mean[912]	-0.38	4.1e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	2841	1.0
y_mean[913]	1.08	7.3e-4	0.05	0.98	1.04	1.07	1.11	1.17	4340	1.0
y_mean[914]	0.32	4.7e-4	0.03	0.27	0.3	0.32	0.34	0.37	3519	1.0
y_mean[915]	-0.24	7.5e-4	0.04	-0.32	-0.26	-0.24	-0.21	-0.16	2869	1.0
y_mean[916]	-0.6	4.4e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.54	4356	1.0
y_mean[917]	-0.12	6.8e-4	0.04	-0.19	-0.14	-0.12	-0.1	-0.05	2646	1.0
y_mean[918]	-0.6	3.9e-4	0.03	-0.65	-0.62	-0.6	-0.58	-0.55	4395	1.0
y_mean[919]	-0.39	4.0e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	3682	1.0
y_mean[920]	-0.24	4.4e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.18	4064	1.0
y_mean[921]	-0.64	4.6e-4	0.03	-0.7	-0.66	-0.64	-0.62	-0.59	4030	1.0
y_mean[922]	-0.46	3.9e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.41	3809	1.0
y_mean[923]	-0.43	3.2e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3267	1.0
y_mean[924]	0.23	7.0e-4	0.04	0.16	0.2	0.23	0.25	0.3	2573	1.0
y_mean[925]	-0.25	5.5e-4	0.03	-0.31	-0.27	-0.26	-0.24	-0.2	2552	1.0
y_mean[926]	0.14	6.5e-4	0.04	0.06	0.11	0.14	0.16	0.21	3518	1.0
y_mean[927]	0.54	4.7e-4	0.03	0.48	0.52	0.54	0.56	0.61	4477	1.0
y_mean[928]	-0.15	4.4e-4	0.02	-0.2	-0.17	-0.15	-0.13	-0.1	3032	1.0
y_mean[929]	0.23	7.2e-4	0.04	0.15	0.2	0.23	0.25	0.3	2531	1.0
y_mean[930]	-0.2	6.1e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	2545	1.0
y_mean[931]	-0.16	4.1e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	3068	1.0
y_mean[932]	-0.14	4.4e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	3821	1.0
y_mean[933]	-0.17	3.8e-4	0.02	-0.22	-0.19	-0.17	-0.15	-0.12	3831	1.0
y_mean[934]	-0.37	4.3e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	2980	1.0
y_mean[935]	-0.33	4.1e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.29	2788	1.0
y_mean[936]	-0.15	4.5e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.1	3907	1.0
y_mean[937]	-0.61	6.7e-4	0.04	-0.69	-0.64	-0.61	-0.58	-0.53	3433	1.0
y_mean[938]	-0.16	5.1e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	3450	1.0
y_mean[939]	-0.13	3.7e-4	0.02	-0.17	-0.15	-0.13	-0.12	-0.09	2938	1.0
y_mean[940]	0.02	6.5e-4	0.03	-0.05	-4.1e-3	0.02	0.04	0.08	2639	1.0
y_mean[941]	-0.03	3.4e-4	0.02	-0.07	-0.05	-0.03	-0.02	3.0e-3	3270	1.0

y_mean[942]	-0.42	3.3e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	3147	1.0
y_mean[943]	-0.46	4.1e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	3846	1.0
y_mean[944]	-0.4	3.6e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	3885	1.0
y_mean[945]	-0.19	5.3e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.14	2653	1.0
y_mean[946]	-0.15	5.6e-4	0.04	-0.22	-0.17	-0.15	-0.13	-0.08	4158	1.0
y_mean[947]	1.14	5.9e-4	0.04	1.06	1.12	1.14	1.17	1.22	4728	1.0
y_mean[948]	-0.37	5.8e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.31	2619	1.0
y_mean[949]	0.36	4.3e-4	0.03	0.31	0.34	0.36	0.38	0.41	3668	1.0
y_mean[950]	0.12	8.0e-4	0.04	0.03	0.09	0.12	0.15	0.21	3078	1.0
y_mean[951]	0.1	4.4e-4	0.03	0.05	0.08	0.1	0.12	0.16	4262	1.0
y_mean[952]	0.77	4.1e-4	0.03	0.72	0.75	0.77	0.79	0.82	3909	1.0
y_mean[953]	1.62	1.1e-3	0.07	1.48	1.57	1.62	1.67	1.75	3916	1.0
y_mean[954]	0.23	5.4e-4	0.03	0.16	0.2	0.23	0.25	0.28	3266	1.0
y_mean[955]	-0.22	5.9e-4	0.03	-0.28	-0.24	-0.22	-0.2	-0.16	2506	1.0
y_mean[956]	0.34	4.9e-4	0.03	0.28	0.32	0.34	0.36	0.39	3260	1.0
y_mean[957]	-0.29	5.2e-4	0.03	-0.34	-0.31	-0.29	-0.27	-0.24	2566	1.0
y_mean[958]	-0.19	4.4e-4	0.03	-0.24	-0.21	-0.19	-0.18	-0.14	3350	1.0
y_mean[959]	0.68	5.0e-4	0.03	0.61	0.66	0.68	0.7	0.74	4362	1.0
y_mean[960]	-0.11	5.5e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.05	2901	1.0
y_mean[961]	-0.29	7.3e-4	0.04	-0.36	-0.31	-0.29	-0.27	-0.22	2393	1.0
y_mean[962]	-0.4	3.6e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	2836	1.0
y_mean[963]	-0.38	6.1e-4	0.04	-0.45	-0.41	-0.38	-0.36	-0.31	3720	1.0
y_mean[964]	-0.19	4.6e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3380	1.0
y_mean[965]	1.12	5.5e-4	0.03	1.06	1.1	1.12	1.15	1.19	3696	1.0
y_mean[966]	1.14	5.1e-4	0.03	1.08	1.12	1.14	1.16	1.21	4079	1.0
y_mean[967]	-0.3	5.9e-4	0.04	-0.37	-0.32	-0.3	-0.28	-0.23	3517	1.0
y_mean[968]	-0.59	4.2e-4	0.03	-0.64	-0.61	-0.59	-0.57	-0.54	4258	1.0
y_mean[969]	0.67	5.8e-4	0.04	0.59	0.64	0.67	0.69	0.74	4670	1.0
y_mean[970]	1.11	5.6e-4	0.04	1.04	1.09	1.11	1.14	1.19	4671	1.0
y_mean[971]	-0.37	4.1e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	3305	1.0
y_mean[972]	-0.12	3.8e-4	0.02	-0.16	-0.14	-0.12	-0.11	-0.08	2822	1.0
y_mean[973]	-0.45	3.4e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	3668	1.0
y_mean[974]	0.22	4.6e-4	0.03	0.16	0.2	0.22	0.24	0.28	4053	1.0
y_mean[975]	1.11	4.9e-4	0.03	1.05	1.09	1.11	1.13	1.17	3660	1.0
y_mean[976]	-0.39	3.7e-4	0.02	-0.43	-0.41	-0.39	-0.37	-0.35	3884	1.0
y_mean[977]	-0.78	8.7e-4	0.05	-0.89	-0.82	-0.78	-0.74	-0.67	3886	1.0
y_mean[978]	0.37	4.3e-4	0.03	0.32	0.35	0.37	0.38	0.42	3665	1.0
y_mean[979]	-0.39	3.7e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	2974	1.0
y_mean[980]	-0.4	8.5e-4	0.05	-0.51	-0.44	-0.4	-0.37	-0.3	3728	1.0
y_mean[981]	0.38	5.7e-4	0.04	0.31	0.35	0.38	0.41	0.46	4364	1.0
y_mean[982]	-0.36	4.4e-4	0.03	-0.41	-0.37	-0.36	-0.34	-0.31	3341	1.0
y_mean[983]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	3253	1.0
y_mean[984]	-0.36	4.2e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.31	3077	1.0
y_mean[985]	1.25	1.0e-3	0.07	1.11	1.2	1.25	1.3	1.39	4871	1.0
y_mean[986]	0.53	5.7e-4	0.04	0.46	0.5	0.53	0.55	0.6	4247	1.0
y_mean[987]	-0.34	4.5e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.28	4018	1.0
y_mean[988]	8.17	5.1e-3	0.3	7.59	7.96	8.17	8.36	8.75	3311	1.0
y_mean[989]	-0.06	4.8e-4	0.03	-0.11	-0.07	-0.06	-0.04	-1.3e-3	3433	1.0

y_mean[990]	2.89	1.1e-3	0.07	2.76	2.84	2.89	2.93	3.02	3782	1.0
y_mean[991]	-0.37	4.4e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	2920	1.0
y_mean[992]	0.2	6.8e-4	0.04	0.12	0.17	0.2	0.22	0.27	3461	1.0
y_mean[993]	-0.44	3.2e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3628	1.0
y_mean[994]	-0.42	3.2e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	3524	1.0
y_mean[995]	-0.32	4.9e-4	0.03	-0.38	-0.35	-0.32	-0.3	-0.27	3837	1.0
y_mean[996]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	3305	1.0
y_mean[997]	-0.02	5.1e-4	0.03	-0.07	-0.03	-0.01	3.1e-3	0.04	2818	1.0
y_mean[998]	0.48	5.8e-4	0.04	0.41	0.46	0.48	0.51	0.56	4109	1.0
y_mean[999]	2.87	1.2e-3	0.07	2.72	2.81	2.87	2.92	3.01	3763	1.0
y_mean[1000]	-0.4	3.5e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	2959	1.0
y_mean[1001]	-0.56	4.3e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.51	4445	1.0
y_mean[1002]	0.73	6.3e-4	0.04	0.65	0.7	0.73	0.76	0.81	4437	1.0
y_mean[1003]	0.11	6.7e-4	0.04	0.03	0.08	0.11	0.14	0.19	3547	1.0
y_mean[1004]	-0.26	5.3e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	3352	1.0
y_mean[1005]	-0.16	5.4e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	3476	1.0
y_mean[1006]	0.05	3.9e-4	0.02	2.8e-3	0.03	0.05	0.06	0.09	3023	1.0
y_mean[1007]	-0.61	4.3e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.56	3909	1.0
y_mean[1008]	0.4	4.3e-4	0.03	0.35	0.39	0.4	0.42	0.45	3813	1.0
y_mean[1009]	-0.18	3.8e-4	0.02	-0.22	-0.19	-0.18	-0.16	-0.14	3259	1.0
y_mean[1010]	-0.4	3.5e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	2895	1.0
y_mean[1011]	-0.18	4.0e-4	0.02	-0.23	-0.2	-0.18	-0.16	-0.14	3235	1.0
y_mean[1012]	-0.58	4.7e-4	0.03	-0.64	-0.6	-0.59	-0.57	-0.53	3659	1.0
y_mean[1013]	0.48	4.3e-4	0.03	0.42	0.46	0.48	0.5	0.53	4065	1.0
y_mean[1014]	-0.15	3.8e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	2954	1.0
y_mean[1015]	0.19	5.0e-4	0.03	0.13	0.17	0.19	0.21	0.25	4071	1.0
y_mean[1016]	-0.44	3.7e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	3773	1.0
y_mean[1017]	-0.02	2.9e-4	0.02	-0.05	-0.03	-0.02	4.1e-3	0.02	3559	1.0
y_mean[1018]	-0.78	1.1e-3	0.06	-0.91	-0.82	-0.78	-0.74	-0.65	3418	1.0
y_mean[1019]	0.03	5.8e-4	0.03	-0.03	6.6e-3	0.03	0.05	0.09	2680	1.0
y_mean[1020]	0.64	5.7e-4	0.04	0.56	0.61	0.64	0.66	0.72	4626	1.0
y_mean[1021]	-0.17	4.5e-4	0.03	-0.21	-0.18	-0.17	-0.15	-0.12	3172	1.0
y_mean[1022]	-0.39	3.0e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	3934	1.0
y_mean[1023]	-0.14	3.6e-4	0.02	-0.18	-0.15	-0.14	-0.13	-0.1	3015	1.0
y_mean[1024]	0.32	4.1e-4	0.02	0.27	0.3	0.32	0.33	0.37	3648	1.0
y_mean[1025]	-0.39	3.5e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	3411	1.0
y_mean[1026]	-0.42	3.5e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	3368	1.0
y_mean[1027]	-0.08	7.0e-4	0.04	-0.16	-0.11	-0.08	-0.06	-0.01	2802	1.0
y_mean[1028]	-0.65	4.7e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.59	3786	1.0
y_mean[1029]	-0.34	4.6e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	3486	1.0
y_mean[1030]	-0.45	3.2e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3589	1.0
y_mean[1031]	-0.38	6.9e-4	0.03	-0.45	-0.4	-0.38	-0.36	-0.31	2387	1.0
y_mean[1032]	-0.3	5.7e-4	0.03	-0.36	-0.32	-0.3	-0.27	-0.23	3663	1.0
y_mean[1033]	0.02	5.7e-4	0.03	-0.04	2.2e-3	0.02	0.05	0.09	3401	1.0
y_mean[1034]	0.23	5.5e-4	0.04	0.16	0.21	0.23	0.25	0.3	4130	1.0
y_mean[1035]	-0.44	3.9e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	3856	1.0
y_mean[1036]	-0.4	5.1e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	4051	1.0
y_mean[1037]	-0.36	4.5e-4	0.03	-0.41	-0.37	-0.36	-0.34	-0.3	3787	1.0

y_mean[1038]	-0.56	4.4e-4	0.03	-0.61	-0.58	-0.56	-0.54	-0.5	4187	1.0
y_mean[1039]	0.68	5.8e-4	0.04	0.62	0.66	0.68	0.71	0.75	3754	1.0
y_mean[1040]	-0.21	6.0e-4	0.04	-0.28	-0.24	-0.21	-0.19	-0.14	3521	1.0
y_mean[1041]	-0.63	4.4e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.58	3923	1.0
y_mean[1042]	0.04	4.5e-4	0.03	-0.01	0.02	0.04	0.06	0.09	3324	1.0
y_mean[1043]	-0.42	3.2e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3100	1.0
y_mean[1044]	-0.35	4.2e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	3218	1.0
y_mean[1045]	-0.41	3.3e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.38	2982	1.0
y_mean[1046]	-0.4	3.4e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3269	1.0
y_mean[1047]	-0.44	3.6e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	3749	1.0
y_mean[1048]	-0.45	3.3e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.41	3714	1.0
y_mean[1049]	-0.43	9.8e-4	0.06	-0.55	-0.47	-0.43	-0.39	-0.32	3773	1.0
y_mean[1050]	-0.57	6.6e-4	0.04	-0.64	-0.6	-0.57	-0.55	-0.5	3186	1.0
y_mean[1051]	0.29	4.5e-4	0.03	0.23	0.27	0.28	0.3	0.34	3946	1.0
y_mean[1052]	-0.36	4.1e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	3057	1.0
y_mean[1053]	-0.42	5.0e-4	0.03	-0.48	-0.44	-0.42	-0.41	-0.37	2935	1.0
y_mean[1054]	-0.05	3.8e-4	0.02	-0.09	-0.07	-0.05	-0.04	-8.3e-3	3253	1.0
y_mean[1055]	0.71	5.3e-4	0.03	0.64	0.69	0.71	0.74	0.78	4325	1.0
y_mean[1056]	0.72	6.5e-4	0.04	0.64	0.69	0.72	0.75	0.81	4368	1.0
y_mean[1057]	-0.41	3.3e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3020	1.0
y_mean[1058]	-0.4	3.7e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	3904	1.0
y_mean[1059]	-0.1	3.7e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.06	2966	1.0
y_mean[1060]	-0.39	3.9e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	2868	1.0
y_mean[1061]	-0.06	4.2e-4	0.02	-0.11	-0.08	-0.06	-0.05	-0.02	2927	1.0
y_mean[1062]	0.12	3.3e-4	0.02	0.08	0.1	0.12	0.13	0.16	3488	1.0
y_mean[1063]	-0.4	3.5e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	3150	1.0
y_mean[1064]	-0.3	4.7e-4	0.03	-0.36	-0.32	-0.3	-0.29	-0.25	3346	1.0
y_mean[1065]	-0.39	3.5e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	3196	1.0
y_mean[1066]	0.35	6.0e-4	0.04	0.27	0.32	0.35	0.38	0.43	4688	1.0
y_mean[1067]	-0.02	4.9e-4	0.03	-0.08	-0.04	-0.02	2.0e-3	0.04	4372	1.0
y_mean[1068]	-0.26	5.4e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.21	2621	1.0
y_mean[1069]	-0.64	4.9e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.58	3543	1.0
y_mean[1070]	-0.34	4.5e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	3673	1.0
y_mean[1071]	-0.43	3.6e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.39	3835	1.0
y_mean[1072]	-0.58	7.4e-4	0.04	-0.66	-0.61	-0.58	-0.55	-0.5	3235	1.0
y_mean[1073]	-0.42	3.1e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3441	1.0
y_mean[1074]	-0.32	4.5e-4	0.02	-0.36	-0.34	-0.32	-0.3	-0.27	2874	1.0
y_mean[1075]	-0.15	4.2e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	2950	1.0
y_mean[1076]	-0.43	3.5e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	3835	1.0
y_mean[1077]	-0.63	6.1e-4	0.04	-0.7	-0.66	-0.63	-0.61	-0.56	3406	1.0
y_mean[1078]	-0.39	3.7e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	3890	1.0
y_mean[1079]	0.03	4.3e-4	0.03	-0.02	0.01	0.03	0.04	0.08	3433	1.0
y_mean[1080]	-0.2	4.3e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	3595	1.0
y_mean[1081]	0.28	5.1e-4	0.03	0.23	0.26	0.28	0.3	0.34	3041	1.0
y_mean[1082]	1.59	6.9e-4	0.04	1.5	1.56	1.59	1.62	1.67	3807	1.0
y_mean[1083]	-0.3	7.6e-4	0.05	-0.4	-0.33	-0.3	-0.27	-0.21	3712	1.0
y_mean[1084]	0.45	9.6e-4	0.06	0.32	0.4	0.45	0.49	0.57	4204	1.0
y_mean[1085]	-0.2	5.2e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	3418	1.0

y_mean[1086]	-0.69	6.0e-4	0.04	-0.77	-0.72	-0.69	-0.67	-0.62	3783	1.0
y_mean[1087]	0.62	4.9e-4	0.03	0.56	0.6	0.62	0.64	0.68	4157	1.0
y_mean[1088]	-0.11	5.2e-4	0.03	-0.16	-0.13	-0.11	-0.09	-0.05	2887	1.0
y_mean[1089]	-0.21	7.0e-4	0.04	-0.3	-0.24	-0.21	-0.18	-0.12	3968	1.0
y_mean[1090]	-0.14	3.6e-4	0.02	-0.18	-0.16	-0.14	-0.13	-0.1	3149	1.0
y_mean[1091]	-0.4	3.5e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	2933	1.0
y_mean[1092]	-0.43	3.2e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	3707	1.0
y_mean[1093]	0.72	6.5e-4	0.04	0.64	0.69	0.72	0.75	0.81	4651	1.0
y_mean[1094]	0.06	2.9e-4	0.02	0.03	0.05	0.06	0.07	0.1	3959	1.0
y_mean[1095]	0.14	4.5e-4	0.02	0.09	0.12	0.14	0.16	0.19	3068	1.0
y_mean[1096]	0.5	5.9e-4	0.03	0.43	0.47	0.5	0.52	0.56	3303	1.0
y_mean[1097]	0.23	4.9e-4	0.03	0.17	0.21	0.23	0.25	0.29	3367	1.0
y_mean[1098]	-0.5	7.0e-4	0.04	-0.58	-0.53	-0.5	-0.47	-0.42	3530	1.0
y_mean[1099]	0.71	5.3e-4	0.04	0.64	0.68	0.71	0.73	0.78	4350	1.0
y_mean[1100]	-0.14	3.9e-4	0.02	-0.18	-0.16	-0.14	-0.13	-0.1	2824	1.0
y_mean[1101]	0.47	5.9e-4	0.03	0.41	0.45	0.47	0.5	0.54	3241	1.0
y_mean[1102]	-0.05	4.0e-4	0.03	-0.1	-0.07	-0.05	-0.04	-2.9e-3	4157	1.0
y_mean[1103]	3.35	1.6e-3	0.11	3.15	3.28	3.35	3.42	3.56	4102	1.0
y_mean[1104]	2.9e-3	3.0e-4	0.02	-0.03	-9.1e-3	3.2e-3	0.01	0.04	3489	1.0
y_mean[1105]	-0.41	2.7e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	4064	1.0
y_mean[1106]	-0.56	4.5e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.5	4560	1.0
y_mean[1107]	-0.13	4.1e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	2755	1.0
y_mean[1108]	-0.44	3.1e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3519	1.0
y_mean[1109]	1.54	9.3e-4	0.06	1.41	1.49	1.53	1.58	1.66	4525	1.0
y_mean[1110]	0.77	5.6e-4	0.04	0.7	0.75	0.77	0.79	0.84	4253	1.0
y_mean[1111]	1.15	6.1e-4	0.04	1.07	1.12	1.15	1.18	1.23	4766	1.0
y_mean[1112]	-0.42	2.8e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	4250	1.0
y_mean[1113]	-0.37	2.9e-4	0.02	-0.41	-0.38	-0.37	-0.36	-0.34	3511	1.0
y_mean[1114]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.38	3163	1.0
y_mean[1115]	-0.26	4.1e-4	0.02	-0.3	-0.27	-0.26	-0.24	-0.21	2971	1.0
y_mean[1116]	-0.32	6.9e-4	0.03	-0.38	-0.34	-0.32	-0.29	-0.25	2274	1.0
y_mean[1117]	-0.13	3.8e-4	0.02	-0.17	-0.14	-0.13	-0.12	-0.09	2828	1.0
y_mean[1118]	-0.32	3.7e-4	0.02	-0.36	-0.33	-0.32	-0.3	-0.28	2981	1.0
y_mean[1119]	-0.52	7.1e-4	0.04	-0.6	-0.55	-0.52	-0.49	-0.44	3590	1.0
y_mean[1120]	-0.13	5.7e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.07	2771	1.0
y_mean[1121]	-0.56	4.3e-4	0.03	-0.62	-0.58	-0.56	-0.55	-0.51	4452	1.0
y_mean[1122]	0.96	6.9e-4	0.04	0.88	0.94	0.96	0.99	1.05	3826	1.0
y_mean[1123]	-0.39	3.9e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.35	2835	1.0
y_mean[1124]	0.33	7.0e-4	0.04	0.26	0.31	0.33	0.36	0.4	2702	1.0
y_mean[1125]	0.27	6.2e-4	0.03	0.2	0.25	0.27	0.29	0.33	2732	1.0
y_mean[1126]	1.23	6.0e-4	0.04	1.15	1.2	1.23	1.25	1.3	4491	1.0
y_mean[1127]	7.0e-3	5.9e-4	0.03	-0.05	-0.01	7.6e-3	0.03	0.07	2579	1.0
y_mean[1128]	-0.45	3.8e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.41	3778	1.0
y_mean[1129]	0.74	4.9e-4	0.03	0.68	0.72	0.74	0.76	0.81	4584	1.0
y_mean[1130]	-0.46	4.0e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	3758	1.0
y_mean[1131]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3899	1.0
y_mean[1132]	-0.37	4.3e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	2815	1.0
y_mean[1133]	-0.41	3.3e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3720	1.0

y_mean[1134]	0.07	3.0e-4	0.02	0.03	0.05	0.07	0.08	0.11	4214	1.0
y_mean[1135]	-0.64	4.7e-4	0.03	-0.7	-0.66	-0.64	-0.62	-0.59	3762	1.0
y_mean[1136]	-0.01	3.9e-4	0.02	-0.06	-0.03	-0.01	2.1e-3	0.03	3431	1.0
y_mean[1137]	0.92	7.4e-4	0.05	0.83	0.89	0.92	0.96	1.02	4595	1.0
y_mean[1138]	-0.41	4.8e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.35	3806	1.0
y_mean[1139]	-0.06	4.3e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	2939	1.0
y_mean[1140]	-0.31	3.3e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.27	3772	1.0
y_mean[1141]	-0.26	5.7e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.21	2821	1.0
y_mean[1142]	0.27	5.0e-4	0.03	0.22	0.25	0.27	0.29	0.33	3356	1.0
y_mean[1143]	-0.03	3.9e-4	0.02	-0.08	-0.05	-0.03	-0.02	8.9e-3	3253	1.0
y_mean[1144]	-0.34	5.5e-4	0.03	-0.41	-0.37	-0.34	-0.32	-0.28	3140	1.0
y_mean[1145]	-0.15	6.8e-4	0.04	-0.22	-0.17	-0.15	-0.12	-0.07	3432	1.0
y_mean[1146]	0.12	4.5e-4	0.03	0.07	0.1	0.12	0.14	0.18	3889	1.0
y_mean[1147]	1.4	8.2e-4	0.05	1.29	1.36	1.4	1.43	1.49	3834	1.0
y_mean[1148]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.4	3420	1.0
y_mean[1149]	-0.07	3.0e-4	0.02	-0.11	-0.08	-0.07	-0.06	-0.03	3778	1.0
y_mean[1150]	-0.2	4.6e-4	0.03	-0.25	-0.22	-0.2	-0.19	-0.16	2957	1.0
y_mean[1151]	-0.38	4.8e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.33	2742	1.0
y_mean[1152]	-0.45	3.3e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3576	1.0
y_mean[1153]	-0.4	4.0e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.35	3760	1.0
y_mean[1154]	-0.79	8.8e-4	0.05	-0.9	-0.82	-0.79	-0.75	-0.68	3779	1.0
y_mean[1155]	-0.3	6.4e-4	0.03	-0.35	-0.32	-0.3	-0.27	-0.23	2341	1.0
y_mean[1156]	-0.3	4.5e-4	0.02	-0.35	-0.32	-0.3	-0.29	-0.25	2653	1.0
y_mean[1157]	-0.42	3.1e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.39	3488	1.0
y_mean[1158]	-0.37	4.4e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.32	2888	1.0
y_mean[1159]	0.28	4.5e-4	0.03	0.22	0.26	0.28	0.29	0.33	3501	1.0
y_mean[1160]	0.37	4.2e-4	0.03	0.31	0.35	0.37	0.38	0.42	3820	1.0
y_mean[1161]	-0.25	8.0e-4	0.04	-0.32	-0.27	-0.25	-0.22	-0.17	2399	1.0
y_mean[1162]	-0.61	5.2e-4	0.03	-0.68	-0.64	-0.61	-0.59	-0.55	4207	1.0
y_mean[1163]	-0.61	6.8e-4	0.04	-0.69	-0.64	-0.62	-0.59	-0.53	3517	1.0
y_mean[1164]	-0.32	6.7e-4	0.03	-0.38	-0.34	-0.32	-0.29	-0.25	2339	1.0
y_mean[1165]	0.27	5.3e-4	0.04	0.2	0.25	0.27	0.3	0.34	4538	1.0
y_mean[1166]	-0.41	3.7e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3906	1.0
y_mean[1167]	-0.55	6.4e-4	0.04	-0.62	-0.58	-0.55	-0.53	-0.48	3412	1.0
y_mean[1168]	-0.37	4.7e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.31	3945	1.0
y_mean[1169]	-0.34	5.9e-4	0.03	-0.4	-0.36	-0.34	-0.31	-0.27	3202	1.0
y_mean[1170]	-0.21	4.8e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.15	3406	1.0
y_mean[1171]	0.13	6.7e-4	0.04	0.05	0.11	0.13	0.16	0.21	3634	1.0
y_mean[1172]	-0.56	4.2e-4	0.03	-0.61	-0.58	-0.56	-0.54	-0.5	4394	1.0
y_mean[1173]	-0.18	4.4e-4	0.03	-0.23	-0.2	-0.18	-0.17	-0.14	3336	1.0
y_mean[1174]	0.06	4.2e-4	0.03	0.01	0.04	0.06	0.08	0.11	3782	1.0
y_mean[1175]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	2829	1.0
y_mean[1176]	-0.39	4.5e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	2857	1.0
y_mean[1177]	0.59	5.6e-4	0.03	0.52	0.56	0.59	0.61	0.65	3742	1.0
y_mean[1178]	-0.64	1.1e-3	0.07	-0.76	-0.68	-0.64	-0.59	-0.52	3383	1.0
y_mean[1179]	0.32	4.6e-4	0.03	0.26	0.3	0.32	0.34	0.37	3925	1.0
y_mean[1180]	-0.42	3.2e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3079	1.0
y_mean[1181]	-0.45	3.5e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	3756	1.0

y_mean[1182]	-0.24	4.3e-4	0.02	-0.28	-0.25	-0.24	-0.22	-0.19	2881	1.0
y_mean[1183]	1.92	1.1e-3	0.07	1.77	1.87	1.92	1.96	2.06	4526	1.0
y_mean[1184]	-0.45	3.3e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	3552	1.0
y_mean[1185]	-0.32	4.9e-4	0.03	-0.38	-0.34	-0.32	-0.31	-0.27	3071	1.0
y_mean[1186]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3272	1.0
y_mean[1187]	-0.06	3.5e-4	0.02	-0.1	-0.07	-0.06	-0.05	-0.02	3397	1.0
y_mean[1188]	-0.2	4.5e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	3380	1.0
y_mean[1189]	-0.55	4.7e-4	0.03	-0.61	-0.57	-0.55	-0.53	-0.49	4560	1.0
y_mean[1190]	-0.13	5.0e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	2893	1.0
y_mean[1191]	-0.61	4.4e-4	0.03	-0.67	-0.63	-0.61	-0.59	-0.55	4297	1.0
y_mean[1192]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3432	1.0
y_mean[1193]	0.05	4.8e-4	0.03	-9.1e-3	0.03	0.05	0.07	0.1	3556	1.0
y_mean[1194]	-0.14	8.4e-4	0.05	-0.23	-0.17	-0.14	-0.11	-0.05	3299	1.0
y_mean[1195]	-0.62	8.1e-4	0.05	-0.72	-0.65	-0.62	-0.58	-0.52	4261	1.0
y_mean[1196]	0.4	4.3e-4	0.03	0.35	0.39	0.4	0.42	0.45	3813	1.0
y_mean[1197]	-0.11	3.8e-4	0.02	-0.15	-0.13	-0.11	-0.1	-0.07	2824	1.0
y_mean[1198]	2.62	1.4e-3	0.08	2.46	2.56	2.62	2.68	2.78	3470	1.0
y_mean[1199]	-0.4	3.5e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	3261	1.0
y_mean[1200]	-0.16	3.8e-4	0.02	-0.2	-0.17	-0.16	-0.15	-0.12	3020	1.0
y_mean[1201]	0.14	9.0e-4	0.05	0.03	0.1	0.14	0.18	0.25	3684	1.0
y_mean[1202]	-0.45	3.4e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.41	3742	1.0
y_mean[1203]	-0.42	3.1e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	4100	1.0
y_mean[1204]	-0.42	3.1e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.39	3268	1.0
y_mean[1205]	-0.44	4.3e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.39	3760	1.0
y_mean[1206]	-0.6	4.9e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.53	4336	1.0
y_mean[1207]	5.06	1.8e-3	0.11	4.86	4.99	5.06	5.13	5.26	3503	1.0
y_mean[1208]	-0.05	3.8e-4	0.02	-0.09	-0.06	-0.05	-0.04	-9.9e-3	3130	1.0
y_mean[1209]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.38	3353	1.0
y_mean[1210]	0.63	5.2e-4	0.04	0.56	0.61	0.63	0.65	0.7	4537	1.0
y_mean[1211]	-0.11	4.3e-4	0.02	-0.16	-0.13	-0.11	-0.09	-0.06	3305	1.0
y_mean[1212]	-0.4	3.7e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3915	1.0
y_mean[1213]	-0.29	8.3e-4	0.04	-0.37	-0.32	-0.29	-0.27	-0.21	2393	1.0
y_mean[1214]	-0.28	4.5e-4	0.02	-0.32	-0.29	-0.28	-0.26	-0.23	2711	1.0
y_mean[1215]	0.15	5.3e-4	0.03	0.09	0.13	0.15	0.17	0.2	2738	1.0
y_mean[1216]	1.21	5.9e-4	0.04	1.14	1.18	1.21	1.23	1.28	3734	1.0
y_mean[1217]	-0.41	2.5e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.38	4320	1.0
y_mean[1218]	0.88	5.8e-4	0.04	0.8	0.86	0.88	0.91	0.96	4529	1.0
y_mean[1219]	-0.66	5.0e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	3844	1.0
y_mean[1220]	-0.06	3.7e-4	0.02	-0.1	-0.08	-0.06	-0.05	-0.02	3258	1.0
y_mean[1221]	-0.15	3.9e-4	0.02	-0.19	-0.17	-0.15	-0.14	-0.11	2915	1.0
y_mean[1222]	0.53	4.5e-4	0.03	0.47	0.51	0.53	0.55	0.58	4220	1.0
y_mean[1223]	0.42	4.2e-4	0.03	0.36	0.4	0.42	0.44	0.47	3998	1.0
y_mean[1224]	-0.33	5.0e-4	0.03	-0.37	-0.34	-0.33	-0.31	-0.28	2530	1.0
y_mean[1225]	-0.33	2.9e-4	0.02	-0.37	-0.34	-0.33	-0.32	-0.3	3527	1.0
y_mean[1226]	-0.43	6.8e-4	0.04	-0.5	-0.46	-0.44	-0.41	-0.36	2657	1.0
y_mean[1227]	-0.66	5.8e-4	0.03	-0.73	-0.69	-0.66	-0.64	-0.6	3581	1.0
y_mean[1228]	-0.46	4.4e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.4	3734	1.0
y_mean[1229]	-0.28	5.8e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.23	2583	1.0

y_mean[1230]	1.73	9.8e-4	0.06	1.61	1.68	1.73	1.77	1.85	4131	1.0
y_mean[1231]	0.26	4.6e-4	0.03	0.2	0.24	0.26	0.28	0.31	3492	1.0
y_mean[1232]	-0.37	6.1e-4	0.04	-0.44	-0.39	-0.37	-0.34	-0.29	3740	1.0
y_mean[1233]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.39	3304	1.0
y_mean[1234]	-0.15	4.9e-4	0.03	-0.21	-0.17	-0.15	-0.14	-0.1	3416	1.0
y_mean[1235]	-0.44	3.2e-4	0.02	-0.47	-0.45	-0.44	-0.42	-0.4	3400	1.0
y_mean[1236]	0.09	4.0e-4	0.02	0.04	0.07	0.09	0.1	0.13	3065	1.0
y_mean[1237]	-0.63	4.6e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	4162	1.0
y_mean[1238]	0.66	6.9e-4	0.05	0.57	0.63	0.66	0.69	0.75	4256	1.0
y_mean[1239]	-0.04	4.6e-4	0.03	-0.09	-0.06	-0.04	-0.02	0.01	3111	1.0
y_mean[1240]	-0.13	4.6e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	3202	1.0
y_mean[1241]	-0.4	3.8e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.35	3928	1.0
y_mean[1242]	-0.1	4.6e-4	0.03	-0.15	-0.12	-0.1	-0.08	-0.05	3065	1.0
y_mean[1243]	-0.17	3.8e-4	0.02	-0.21	-0.18	-0.17	-0.15	-0.12	3065	1.0
y_mean[1244]	0.08	4.5e-4	0.03	0.02	0.06	0.08	0.1	0.13	3648	1.0
y_mean[1245]	0.27	7.6e-4	0.04	0.19	0.24	0.27	0.3	0.36	3143	1.0
y_mean[1246]	-0.33	3.8e-4	0.02	-0.37	-0.34	-0.33	-0.32	-0.29	3118	1.0
y_mean[1247]	0.02	3.9e-4	0.02	-0.02	7.6e-3	0.02	0.04	0.07	3288	1.0
y_mean[1248]	-0.58	7.8e-4	0.04	-0.65	-0.6	-0.58	-0.55	-0.5	2563	1.0
y_mean[1249]	-0.15	3.7e-4	0.02	-0.19	-0.17	-0.15	-0.14	-0.11	3636	1.0
y_mean[1250]	0.44	6.0e-4	0.03	0.37	0.42	0.44	0.46	0.51	3276	1.0
y_mean[1251]	-0.42	3.1e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.39	3207	1.0
y_mean[1252]	0.22	6.2e-4	0.04	0.15	0.19	0.22	0.24	0.29	3356	1.0
y_mean[1253]	-0.31	5.6e-4	0.03	-0.37	-0.33	-0.31	-0.3	-0.26	2405	1.0
y_mean[1254]	0.24	5.2e-4	0.03	0.17	0.22	0.24	0.26	0.3	4155	1.0
y_mean[1255]	-0.45	3.6e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3755	1.0
y_mean[1256]	-0.18	4.0e-4	0.02	-0.22	-0.19	-0.18	-0.16	-0.13	3189	1.0
y_mean[1257]	-0.13	4.8e-4	0.03	-0.18	-0.15	-0.13	-0.12	-0.09	2929	1.0
y_mean[1258]	0.63	5.6e-4	0.04	0.56	0.6	0.63	0.65	0.7	4605	1.0
y_mean[1259]	-0.04	4.0e-4	0.02	-0.08	-0.05	-0.04	-0.03	3.4e-3	3127	1.0
y_mean[1260]	-0.42	3.1e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3458	1.0
y_mean[1261]	0.17	4.4e-4	0.03	0.12	0.16	0.17	0.19	0.23	4025	1.0
y_mean[1262]	-0.07	5.7e-4	0.03	-0.14	-0.1	-0.07	-0.05	-6.8e-3	3572	1.0
y_mean[1263]	-0.41	5.3e-4	0.03	-0.47	-0.43	-0.41	-0.38	-0.34	3759	1.0
y_mean[1264]	-0.13	4.9e-4	0.03	-0.18	-0.14	-0.13	-0.11	-0.08	2817	1.0
y_mean[1265]	-0.69	8.0e-4	0.05	-0.79	-0.73	-0.69	-0.66	-0.59	4019	1.0
y_mean[1266]	0.02	3.2e-4	0.02	-0.02	8.2e-3	0.02	0.03	0.06	3371	1.0
y_mean[1267]	-0.52	5.4e-4	0.04	-0.59	-0.54	-0.52	-0.49	-0.45	4455	1.0
y_mean[1268]	-0.37	5.5e-4	0.03	-0.42	-0.39	-0.37	-0.35	-0.31	2549	1.0
y_mean[1269]	0.46	6.9e-4	0.05	0.37	0.42	0.45	0.49	0.54	4268	1.0
y_mean[1270]	0.81	6.5e-4	0.04	0.73	0.78	0.81	0.84	0.9	4435	1.0
y_mean[1271]	-0.15	3.3e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.11	3766	1.0
y_mean[1272]	-0.42	5.2e-4	0.03	-0.49	-0.45	-0.43	-0.4	-0.36	3741	1.0
y_mean[1273]	2.54	1.0e-3	0.06	2.41	2.49	2.53	2.58	2.66	3789	1.0
y_mean[1274]	0.13	4.4e-4	0.02	0.08	0.12	0.13	0.15	0.18	3044	1.0
y_mean[1275]	-0.32	3.1e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	3404	1.0
y_mean[1276]	0.14	4.5e-4	0.03	0.09	0.12	0.14	0.16	0.2	4182	1.0
y_mean[1277]	-0.5	5.3e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.43	3574	1.0

y_mean[1278]	0.1	4.8e-4	0.03	0.04	0.08	0.1	0.12	0.16	4013	1.0
y_mean[1279]	0.78	7.6e-4	0.05	0.68	0.75	0.78	0.82	0.88	4623	1.0
y_mean[1280]	2.04	1.1e-3	0.07	1.91	1.99	2.04	2.09	2.18	4274	1.0
y_mean[1281]	-0.15	3.9e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	2940	1.0
y_mean[1282]	0.45	4.4e-4	0.03	0.39	0.43	0.45	0.47	0.5	4258	1.0
y_mean[1283]	0.14	6.5e-4	0.04	0.06	0.11	0.14	0.16	0.22	3869	1.0
y_mean[1284]	0.04	7.0e-4	0.04	-0.05	6.5e-3	0.04	0.07	0.12	4022	1.0
y_mean[1285]	-0.1	5.0e-4	0.03	-0.16	-0.12	-0.1	-0.09	-0.05	3081	1.0
y_mean[1286]	0.52	7.0e-4	0.04	0.43	0.49	0.52	0.54	0.59	3327	1.0
y_mean[1287]	-0.44	3.7e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	3773	1.0
y_mean[1288]	0.59	5.1e-4	0.03	0.53	0.57	0.59	0.61	0.66	3732	1.0
y_mean[1289]	-0.48	4.2e-4	0.03	-0.52	-0.49	-0.48	-0.46	-0.42	3705	1.0
y_mean[1290]	-0.56	4.3e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.51	4431	1.0
y_mean[1291]	-0.4	3.8e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3505	1.0
y_mean[1292]	-0.35	3.5e-4	0.02	-0.39	-0.37	-0.35	-0.34	-0.32	3094	1.0
y_mean[1293]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3256	1.0
y_mean[1294]	0.54	4.5e-4	0.03	0.48	0.52	0.54	0.56	0.6	4256	1.0
y_mean[1295]	-0.43	3.1e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.4	3370	1.0
y_mean[1296]	-0.03	4.0e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	3199	1.0
y_mean[1297]	0.21	7.2e-4	0.04	0.14	0.18	0.21	0.23	0.28	2503	1.0
y_mean[1298]	0.37	4.3e-4	0.03	0.32	0.35	0.37	0.39	0.42	3707	1.0
y_mean[1299]	4.35	1.5e-3	0.09	4.17	4.28	4.34	4.41	4.52	3296	1.0
y_mean[1300]	0.48	6.3e-4	0.04	0.4	0.45	0.48	0.51	0.56	4208	1.0
y_mean[1301]	-0.17	4.6e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3365	1.0
y_mean[1302]	-0.37	5.5e-4	0.03	-0.42	-0.39	-0.37	-0.35	-0.31	2549	1.0
y_mean[1303]	-0.19	4.4e-4	0.03	-0.24	-0.21	-0.19	-0.18	-0.14	3350	1.0
y_mean[1304]	-0.36	3.1e-4	0.02	-0.39	-0.37	-0.36	-0.35	-0.32	3289	1.0
y_mean[1305]	-0.67	5.2e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.6	4003	1.0
y_mean[1306]	-0.39	4.5e-4	0.03	-0.43	-0.4	-0.39	-0.37	-0.33	3252	1.0
y_mean[1307]	-0.08	5.1e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	3327	1.0
y_mean[1308]	-0.57	4.9e-4	0.03	-0.63	-0.6	-0.57	-0.55	-0.52	3633	1.0
y_mean[1309]	-0.12	3.5e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.08	3539	1.0
y_mean[1310]	-0.16	3.8e-4	0.02	-0.2	-0.18	-0.16	-0.15	-0.12	3046	1.0
y_mean[1311]	-0.35	8.1e-4	0.04	-0.42	-0.37	-0.35	-0.32	-0.27	2246	1.0
y_mean[1312]	-0.33	8.1e-4	0.04	-0.41	-0.36	-0.34	-0.31	-0.26	2211	1.0
y_mean[1313]	-0.12	4.1e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.07	4015	1.0
y_mean[1314]	-1.9e-3	7.7e-4	0.04	-0.08	-0.03	-1.7e-3	0.02	0.07	2464	1.0
y_mean[1315]	-0.37	3.9e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3847	1.0
y_mean[1316]	-0.68	5.4e-4	0.03	-0.74	-0.7	-0.68	-0.65	-0.61	3760	1.0
y_mean[1317]	-0.11	5.6e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.05	2920	1.0
y_mean[1318]	-0.41	3.5e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3321	1.0
y_mean[1319]	3.81	1.3e-3	0.09	3.64	3.75	3.81	3.87	3.98	4389	1.0
y_mean[1320]	0.1	4.3e-4	0.02	0.05	0.08	0.1	0.11	0.14	2982	1.0
y_mean[1321]	-0.24	4.5e-4	0.02	-0.29	-0.26	-0.24	-0.23	-0.2	2918	1.0
y_mean[1322]	0.3	5.6e-4	0.04	0.23	0.27	0.3	0.32	0.37	4224	1.0
y_mean[1323]	-0.17	3.6e-4	0.02	-0.21	-0.18	-0.17	-0.15	-0.13	3478	1.0
y_mean[1324]	-0.17	6.2e-4	0.03	-0.23	-0.19	-0.17	-0.15	-0.11	2685	1.0
y_mean[1325]	-0.2	5.8e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	2542	1.0

y_mean[1326]	-0.5	5.3e-4	0.03	-0.56	-0.52	-0.5	-0.47	-0.43	3575	1.0
y_mean[1327]	-0.33	4.5e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.28	3142	1.0
y_mean[1328]	-0.09	3.9e-4	0.02	-0.13	-0.11	-0.09	-0.08	-0.05	3153	1.0
y_mean[1329]	0.45	5.1e-4	0.03	0.39	0.43	0.45	0.48	0.52	3897	1.0
y_mean[1330]	0.37	4.3e-4	0.03	0.32	0.35	0.37	0.38	0.42	3684	1.0
y_mean[1331]	0.13	6.3e-4	0.04	0.06	0.11	0.13	0.16	0.21	3629	1.0
y_mean[1332]	-0.39	4.7e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	2841	1.0
y_mean[1333]	1.49	8.5e-4	0.05	1.39	1.46	1.49	1.53	1.6	4134	1.0
y_mean[1334]	-0.09	4.9e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.04	2913	1.0
y_mean[1335]	-0.28	4.4e-4	0.03	-0.33	-0.29	-0.28	-0.26	-0.23	3292	1.0
y_mean[1336]	0.24	4.7e-4	0.03	0.19	0.22	0.24	0.26	0.29	3135	1.0
y_mean[1337]	-0.38	3.8e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3332	1.0
y_mean[1338]	-0.03	3.8e-4	0.02	-0.07	-0.05	-0.03	-0.02	0.01	3420	1.0
y_mean[1339]	-0.24	5.0e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.19	2747	1.0
y_mean[1340]	-0.63	5.7e-4	0.03	-0.7	-0.65	-0.63	-0.61	-0.57	3365	1.0
y_mean[1341]	-0.15	4.4e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	3369	1.0
y_mean[1342]	-0.1	5.9e-4	0.03	-0.17	-0.13	-0.1	-0.08	-0.04	2941	1.0
y_mean[1343]	-0.4	3.4e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	3613	1.0
y_mean[1344]	-0.45	4.8e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.39	3918	1.0
y_mean[1345]	-0.34	5.0e-4	0.03	-0.39	-0.36	-0.34	-0.33	-0.29	2579	1.0
y_mean[1346]	-0.56	5.0e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.49	4440	1.0
y_mean[1347]	-0.43	3.2e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.39	3729	1.0
y_mean[1348]	0.42	4.2e-4	0.03	0.37	0.4	0.42	0.44	0.47	3867	1.0
y_mean[1349]	0.03	4.4e-4	0.03	-0.02	0.01	0.03	0.05	0.08	3231	1.0
y_mean[1350]	-0.03	4.0e-4	0.02	-0.07	-0.05	-0.03	-0.02	0.01	3164	1.0
y_mean[1351]	0.21	6.4e-4	0.03	0.14	0.19	0.21	0.23	0.27	2608	1.0
y_mean[1352]	0.11	4.8e-4	0.03	0.05	0.09	0.11	0.13	0.17	3770	1.0
y_mean[1353]	-0.52	4.8e-4	0.03	-0.58	-0.54	-0.52	-0.5	-0.46	4265	1.0
y_mean[1354]	-0.45	4.4e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	3749	1.0
y_mean[1355]	-0.61	8.0e-4	0.05	-0.71	-0.64	-0.61	-0.57	-0.51	4304	1.0
y_mean[1356]	-0.24	7.2e-4	0.03	-0.31	-0.27	-0.24	-0.22	-0.17	2295	1.0
y_mean[1357]	-0.42	3.4e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	3810	1.0
y_mean[1358]	-0.13	3.8e-4	0.02	-0.17	-0.14	-0.13	-0.12	-0.09	2828	1.0
y_mean[1359]	-0.04	3.9e-4	0.02	-0.08	-0.05	-0.04	-0.02	4.9e-3	3088	1.0
y_mean[1360]	-0.04	7.0e-4	0.05	-0.13	-0.07	-0.04	-8.3e-3	0.05	4319	1.0
y_mean[1361]	1.3	6.5e-4	0.04	1.22	1.28	1.31	1.33	1.39	4407	1.0
y_mean[1362]	-0.58	4.3e-4	0.03	-0.63	-0.6	-0.58	-0.56	-0.53	4093	1.0
y_mean[1363]	-0.36	7.4e-4	0.04	-0.44	-0.39	-0.36	-0.33	-0.28	3075	1.0
y_mean[1364]	-0.09	3.4e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.05	3493	1.0
y_mean[1365]	-0.38	3.9e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	3031	1.0
y_mean[1366]	-0.55	4.7e-4	0.03	-0.61	-0.57	-0.55	-0.53	-0.49	4569	1.0
y_mean[1367]	-0.38	3.7e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3566	1.0
y_mean[1368]	-0.15	5.7e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.08	3501	1.0
y_mean[1369]	0.37	4.3e-4	0.03	0.31	0.35	0.37	0.39	0.42	3903	1.0
y_mean[1370]	-0.62	4.4e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.57	3888	1.0
y_mean[1371]	1.56	8.8e-4	0.06	1.44	1.52	1.56	1.6	1.67	4485	1.0
y_mean[1372]	1.98	9.9e-4	0.07	1.85	1.94	1.98	2.03	2.11	4395	1.0
y_mean[1373]	-0.35	3.5e-4	0.02	-0.39	-0.37	-0.35	-0.34	-0.31	3651	1.0

y_mean[1374]	-0.17	3.7e-4	0.02	-0.21	-0.19	-0.17	-0.16	-0.13	3235	1.0
y_mean[1375]	-0.43	3.8e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	3836	1.0
y_mean[1376]	-0.35	4.7e-4	0.03	-0.4	-0.36	-0.35	-0.33	-0.29	2976	1.0
y_mean[1377]	1.8e-3	4.8e-4	0.03	-0.05	-0.02	1.1e-3	0.02	0.06	3389	1.0
y_mean[1378]	0.57	7.1e-4	0.04	0.49	0.55	0.57	0.6	0.66	3913	1.0
y_mean[1379]	-0.56	5.5e-4	0.03	-0.63	-0.59	-0.56	-0.54	-0.5	3456	1.0
y_mean[1380]	-0.47	5.7e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.4	3598	1.0
y_mean[1381]	-0.31	2.9e-4	0.02	-0.34	-0.32	-0.31	-0.29	-0.27	3764	1.0
y_mean[1382]	-0.33	5.6e-4	0.03	-0.4	-0.35	-0.33	-0.31	-0.27	3263	1.0
y_mean[1383]	0.88	6.3e-4	0.04	0.79	0.85	0.88	0.91	0.96	4609	1.0
y_mean[1384]	-0.3	6.8e-4	0.03	-0.36	-0.32	-0.3	-0.27	-0.23	2292	1.0
y_mean[1385]	0.25	7.1e-4	0.04	0.18	0.23	0.25	0.27	0.32	2567	1.0
y_mean[1386]	-0.4	3.6e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	2845	1.0
y_mean[1387]	-0.47	3.9e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	3792	1.0
y_mean[1388]	0.09	4.3e-4	0.02	0.04	0.07	0.09	0.11	0.14	3325	1.0
y_mean[1389]	-0.49	6.0e-4	0.04	-0.56	-0.52	-0.49	-0.47	-0.42	3781	1.0
y_mean[1390]	0.14	3.5e-4	0.02	0.1	0.13	0.14	0.15	0.18	3372	1.0
y_mean[1391]	-0.3	5.9e-4	0.03	-0.37	-0.33	-0.3	-0.28	-0.24	3511	1.0
y_mean[1392]	-0.66	5.1e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.59	4060	1.0
y_mean[1393]	-0.3	5.8e-4	0.03	-0.37	-0.33	-0.3	-0.28	-0.24	3038	1.0
y_mean[1394]	-0.37	4.4e-4	0.02	-0.42	-0.39	-0.37	-0.35	-0.32	3058	1.0
y_mean[1395]	0.14	6.3e-4	0.04	0.07	0.12	0.14	0.17	0.22	3487	1.0
y_mean[1396]	0.48	5.7e-4	0.04	0.4	0.45	0.48	0.5	0.55	4518	1.0
y_mean[1397]	-0.31	4.8e-4	0.03	-0.36	-0.33	-0.31	-0.29	-0.26	3213	1.0
y_mean[1398]	3.44	3.4e-3	0.22	3.01	3.29	3.44	3.58	3.87	4262	1.0
y_mean[1399]	-0.35	2.6e-4	0.02	-0.38	-0.36	-0.35	-0.34	-0.32	3750	1.0
y_mean[1400]	-0.4	3.5e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	2959	1.0
y_mean[1401]	0.01	6.0e-4	0.04	-0.06	-0.01	0.01	0.03	0.08	3479	1.0
y_mean[1402]	-0.38	2.8e-4	0.02	-0.41	-0.39	-0.38	-0.36	-0.34	3948	1.0
y_mean[1403]	0.46	6.7e-4	0.04	0.39	0.44	0.46	0.49	0.53	3170	1.0
y_mean[1404]	-0.52	7.8e-4	0.04	-0.6	-0.55	-0.52	-0.5	-0.45	2618	1.0
y_mean[1405]	-0.65	5.1e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.59	3936	1.0
y_mean[1406]	-0.38	4.5e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	2789	1.0
y_mean[1407]	0.25	5.7e-4	0.03	0.19	0.23	0.25	0.27	0.31	2955	1.0
y_mean[1408]	-0.17	3.9e-4	0.02	-0.21	-0.19	-0.17	-0.16	-0.13	3141	1.0
y_mean[1409]	0.12	6.5e-4	0.04	0.04	0.09	0.12	0.15	0.19	3532	1.0
y_mean[1410]	-0.35	5.0e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.3	3161	1.0
y_mean[1411]	-0.1	3.7e-4	0.02	-0.13	-0.11	-0.1	-0.08	-0.06	2970	1.0
y_mean[1412]	-0.63	4.9e-4	0.03	-0.69	-0.66	-0.63	-0.61	-0.58	3538	1.0
y_mean[1413]	1.33	8.8e-4	0.05	1.22	1.29	1.33	1.36	1.43	3788	1.0
y_mean[1414]	-0.2	5.4e-4	0.03	-0.26	-0.23	-0.2	-0.18	-0.14	3419	1.0
y_mean[1415]	-0.24	5.4e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.17	3503	1.0
y_mean[1416]	-0.33	4.2e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.28	2715	1.0
y_mean[1417]	-0.6	4.2e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.55	4255	1.0
y_mean[1418]	-0.36	4.6e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.3	3861	1.0
y_mean[1419]	-0.39	3.0e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.36	3902	1.0
y_mean[1420]	-0.48	4.2e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.43	3703	1.0
y_mean[1421]	-0.39	3.9e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3951	1.0

y_mean[1422]	0.64	5.1e-4	0.03	0.58	0.62	0.64	0.66	0.71	4229	1.0
y_mean[1423]	0.4	6.3e-4	0.04	0.32	0.37	0.4	0.43	0.49	4691	1.0
y_mean[1424]	-0.34	4.1e-4	0.02	-0.38	-0.35	-0.34	-0.32	-0.29	2740	1.0
y_mean[1425]	-0.35	4.4e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	3642	1.0
y_mean[1426]	-0.42	4.3e-4	0.03	-0.47	-0.43	-0.42	-0.4	-0.36	3864	1.0
y_mean[1427]	-0.45	3.5e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.41	3759	1.0
y_mean[1428]	4.2e-3	4.1e-4	0.02	-0.04	-0.01	4.4e-3	0.02	0.05	3337	1.0
y_mean[1429]	-0.44	3.3e-4	0.02	-0.47	-0.45	-0.44	-0.43	-0.4	3460	1.0
y_mean[1430]	-0.16	3.9e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	2965	1.0
y_mean[1431]	0.16	4.6e-4	0.02	0.11	0.14	0.16	0.18	0.21	2934	1.0
y_mean[1432]	-0.64	5.0e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.58	3510	1.0
y_mean[1433]	-0.09	8.2e-4	0.05	-0.18	-0.12	-0.09	-0.06	1.6e-3	3117	1.0
y_mean[1434]	-0.76	8.8e-4	0.05	-0.86	-0.79	-0.76	-0.72	-0.66	3686	1.0
y_mean[1435]	0.55	4.8e-4	0.03	0.48	0.53	0.55	0.57	0.61	4352	1.0
y_mean[1436]	-0.59	4.2e-4	0.03	-0.65	-0.61	-0.59	-0.57	-0.54	4243	1.0
y_mean[1437]	-0.39	5.1e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	3363	1.0
y_mean[1438]	-0.43	3.2e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	3228	1.0
y_mean[1439]	-0.33	4.3e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.28	2995	1.0
y_mean[1440]	1.17	1.0e-3	0.06	1.05	1.13	1.17	1.22	1.3	4096	1.0
y_mean[1441]	0.02	4.2e-4	0.02	-0.02	7.6e-3	0.02	0.04	0.07	3429	1.0
y_mean[1442]	0.44	4.8e-4	0.03	0.37	0.42	0.44	0.46	0.5	4252	1.0
y_mean[1443]	0.49	6.7e-4	0.04	0.41	0.46	0.49	0.53	0.58	4366	1.0
y_mean[1444]	1.68	9.9e-4	0.07	1.54	1.63	1.68	1.72	1.81	4979	1.0
y_mean[1445]	-0.44	4.4e-4	0.03	-0.49	-0.45	-0.44	-0.42	-0.38	3784	1.0
y_mean[1446]	-0.2	4.3e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	3586	1.0
y_mean[1447]	-0.42	3.1e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3237	1.0
y_mean[1448]	-0.36	4.4e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	3187	1.0
y_mean[1449]	-0.37	4.0e-4	0.02	-0.41	-0.39	-0.37	-0.35	-0.32	3668	1.0
y_mean[1450]	-0.32	4.2e-4	0.02	-0.37	-0.34	-0.32	-0.31	-0.28	2828	1.0
y_mean[1451]	-0.3	5.8e-4	0.03	-0.36	-0.32	-0.3	-0.28	-0.25	2458	1.0
y_mean[1452]	-0.36	5.4e-4	0.03	-0.42	-0.38	-0.36	-0.35	-0.31	2497	1.0
y_mean[1453]	-0.55	5.4e-4	0.03	-0.61	-0.57	-0.55	-0.53	-0.49	3419	1.0
y_mean[1454]	-0.34	4.5e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	3639	1.0
y_mean[1455]	0.86	8.8e-4	0.05	0.76	0.82	0.86	0.89	0.96	3400	1.0
y_mean[1456]	0.68	5.9e-4	0.04	0.61	0.66	0.68	0.71	0.76	3956	1.0
y_mean[1457]	0.07	4.6e-4	0.03	0.02	0.05	0.07	0.09	0.13	3624	1.0
y_mean[1458]	0.59	4.8e-4	0.03	0.53	0.57	0.59	0.61	0.65	4370	1.0
y_mean[1459]	-0.44	3.6e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	3791	1.0
y_mean[1460]	0.97	5.5e-4	0.03	0.91	0.95	0.97	1.0	1.04	3837	1.0
y_mean[1461]	-0.13	5.4e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.06	3622	1.0
y_mean[1462]	0.05	5.8e-4	0.04	-0.02	0.03	0.05	0.07	0.12	3644	1.0
y_mean[1463]	-0.44	6.9e-4	0.04	-0.51	-0.47	-0.44	-0.42	-0.37	2764	1.0
y_mean[1464]	2.44	1.9e-3	0.12	2.21	2.36	2.44	2.52	2.67	3767	1.0
y_mean[1465]	0.3	4.6e-4	0.03	0.24	0.28	0.3	0.31	0.35	3451	1.0
y_mean[1466]	0.37	7.0e-4	0.04	0.3	0.35	0.37	0.4	0.44	2799	1.0
y_mean[1467]	-0.7	8.3e-4	0.05	-0.81	-0.74	-0.7	-0.67	-0.6	3867	1.0
y_mean[1468]	-0.27	4.9e-4	0.03	-0.32	-0.28	-0.27	-0.25	-0.22	2579	1.0
y_mean[1469]	-0.14	3.8e-4	0.02	-0.17	-0.15	-0.14	-0.12	-0.09	2849	1.0

y_mean[1470]	0.63	6.4e-4	0.04	0.55	0.6	0.63	0.65	0.7	3179	1.0
y_mean[1471]	-0.54	7.7e-4	0.04	-0.61	-0.57	-0.54	-0.51	-0.46	2642	1.0
y_mean[1472]	0.25	4.8e-4	0.03	0.19	0.23	0.25	0.27	0.32	4325	1.0
y_mean[1473]	-0.6	5.4e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.54	3282	1.0
y_mean[1474]	1.89	9.9e-4	0.07	1.76	1.84	1.89	1.94	2.02	4586	1.0
y_mean[1475]	-0.04	4.5e-4	0.03	-0.09	-0.06	-0.04	-0.02	9.7e-3	3287	1.0
y_mean[1476]	1.16	1.1e-3	0.07	1.02	1.11	1.16	1.2	1.29	3766	1.0
y_mean[1477]	-0.58	4.1e-4	0.03	-0.64	-0.6	-0.58	-0.57	-0.53	4212	1.0
y_mean[1478]	-0.67	6.5e-4	0.04	-0.75	-0.69	-0.67	-0.64	-0.59	3831	1.0
y_mean[1479]	0.04	4.3e-4	0.02	-6.2e-3	0.02	0.04	0.06	0.08	2970	1.0
y_mean[1480]	-0.38	3.9e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	2983	1.0
y_mean[1481]	0.23	7.0e-4	0.04	0.16	0.21	0.23	0.26	0.3	2631	1.0
y_mean[1482]	-0.7	8.4e-4	0.05	-0.8	-0.73	-0.7	-0.66	-0.6	3848	1.0
y_mean[1483]	0.67	5.0e-4	0.03	0.61	0.65	0.67	0.69	0.74	4299	1.0
y_mean[1484]	0.44	4.3e-4	0.03	0.39	0.42	0.44	0.46	0.5	3945	1.0
y_mean[1485]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.37	3054	1.0
y_mean[1486]	-0.28	5.5e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	3274	1.0
y_mean[1487]	-0.44	3.6e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	3777	1.0
y_mean[1488]	0.06	4.4e-4	0.02	0.02	0.05	0.06	0.08	0.11	2970	1.0
y_mean[1489]	-0.42	3.2e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3099	1.0
y_mean[1490]	0.21	4.9e-4	0.03	0.15	0.19	0.21	0.23	0.26	3459	1.0
y_mean[1491]	-0.02	4.4e-4	0.02	-0.07	-0.04	-0.02	-6.9e-3	0.03	3135	1.0
y_mean[1492]	0.44	7.8e-4	0.04	0.35	0.41	0.44	0.47	0.53	3035	1.0
y_mean[1493]	-0.63	4.7e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	4172	1.0
y_mean[1494]	-0.25	7.3e-4	0.04	-0.31	-0.27	-0.25	-0.22	-0.18	2287	1.0
y_mean[1495]	-0.2	6.5e-4	0.04	-0.28	-0.23	-0.2	-0.18	-0.13	3437	1.0
y_mean[1496]	-0.14	3.7e-4	0.02	-0.18	-0.16	-0.14	-0.13	-0.1	2900	1.0
y_mean[1497]	-0.12	4.4e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.07	3475	1.0
y_mean[1498]	0.33	6.0e-4	0.04	0.26	0.31	0.33	0.36	0.41	4236	1.0
y_mean[1499]	0.66	9.4e-4	0.06	0.55	0.62	0.66	0.7	0.77	3665	1.0
y_mean[1500]	1.24	6.6e-4	0.05	1.15	1.21	1.24	1.27	1.33	4594	1.0
y_mean[1501]	-0.62	6.1e-4	0.04	-0.69	-0.65	-0.62	-0.59	-0.54	3984	1.0
y_mean[1502]	1.01	5.8e-4	0.04	0.93	0.98	1.01	1.03	1.09	4513	1.0
y_mean[1503]	0.65	5.1e-4	0.03	0.59	0.63	0.65	0.68	0.72	4464	1.0
y_mean[1504]	0.17	5.1e-4	0.03	0.11	0.15	0.17	0.19	0.23	3976	1.0
y_mean[1505]	-0.42	3.4e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.38	3426	1.0
y_mean[1506]	-0.36	5.9e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.3	2686	1.0
y_mean[1507]	0.14	6.1e-4	0.04	0.06	0.11	0.14	0.16	0.21	3716	1.0
y_mean[1508]	0.26	3.8e-4	0.02	0.22	0.24	0.26	0.27	0.3	3554	1.0
y_mean[1509]	-0.18	3.9e-4	0.02	-0.22	-0.2	-0.18	-0.17	-0.14	3229	1.0
y_mean[1510]	-0.42	3.1e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3203	1.0
y_mean[1511]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	3179	1.0
y_mean[1512]	-0.34	4.6e-4	0.03	-0.39	-0.36	-0.34	-0.33	-0.29	3000	1.0
y_mean[1513]	3.1	1.4e-3	0.09	2.92	3.04	3.1	3.16	3.28	4168	1.0
y_mean[1514]	0.42	4.3e-4	0.03	0.37	0.4	0.42	0.44	0.47	3876	1.0
y_mean[1515]	-0.07	4.8e-4	0.03	-0.12	-0.08	-0.07	-0.05	-0.01	3030	1.0
y_mean[1516]	-0.39	5.1e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	3832	1.0
y_mean[1517]	-0.44	3.2e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.41	3602	1.0

y_mean[1518]	0.09	4.7e-4	0.03	0.03	0.07	0.09	0.11	0.14	3691	1.0
y_mean[1519]	-0.42	3.2e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.39	3148	1.0
y_mean[1520]	0.33	4.3e-4	0.03	0.27	0.31	0.33	0.35	0.38	3666	1.0
y_mean[1521]	-0.4	3.3e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	3259	1.0
y_mean[1522]	-0.67	5.1e-4	0.03	-0.73	-0.69	-0.67	-0.64	-0.6	3781	1.0
y_mean[1523]	-0.12	4.2e-4	0.03	-0.17	-0.13	-0.12	-0.1	-0.06	4040	1.0
y_mean[1524]	-0.38	4.1e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.33	3633	1.0
y_mean[1525]	0.4	4.3e-4	0.03	0.35	0.38	0.4	0.42	0.45	3799	1.0
y_mean[1526]	-0.47	4.6e-3	0.29	-1.03	-0.66	-0.46	-0.27	0.08	3935	1.0
y_mean[1527]	0.13	4.5e-4	0.03	0.07	0.11	0.13	0.15	0.18	4113	1.0
y_mean[1528]	0.6	4.7e-4	0.03	0.54	0.58	0.6	0.62	0.66	4351	1.0
y_mean[1529]	-0.05	3.4e-4	0.02	-0.09	-0.06	-0.05	-0.04	-0.01	3384	1.0
y_mean[1530]	-0.08	4.2e-4	0.02	-0.12	-0.1	-0.08	-0.07	-0.04	2830	1.0
y_mean[1531]	-0.36	4.9e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3056	1.0
y_mean[1532]	-0.4	3.4e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3546	1.0
y_mean[1533]	-0.57	4.6e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.51	4502	1.0
y_mean[1534]	-0.33	4.7e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.28	3080	1.0
y_mean[1535]	0.24	5.1e-4	0.03	0.18	0.22	0.24	0.26	0.31	4248	1.0
y_mean[1536]	-0.08	3.8e-4	0.02	-0.12	-0.1	-0.08	-0.07	-0.04	3002	1.0
y_mean[1537]	-0.4	3.4e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	3055	1.0
y_mean[1538]	-0.66	6.6e-4	0.04	-0.73	-0.69	-0.66	-0.63	-0.58	3409	1.0
y_mean[1539]	-0.28	5.3e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	3247	1.0
y_mean[1540]	5.58	2.5e-3	0.15	5.29	5.48	5.58	5.69	5.88	3575	1.0
y_mean[1541]	-0.37	3.9e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	3818	1.0
y_mean[1542]	1.31	7.7e-4	0.05	1.21	1.28	1.31	1.34	1.4	3832	1.0
y_mean[1543]	-0.14	4.3e-4	0.02	-0.19	-0.16	-0.14	-0.12	-0.09	3359	1.0
y_mean[1544]	-0.14	3.7e-4	0.02	-0.18	-0.15	-0.14	-0.13	-0.1	2946	1.0
y_mean[1545]	0.22	5.0e-4	0.03	0.16	0.2	0.22	0.24	0.29	4235	1.0
y_mean[1546]	-0.07	3.6e-4	0.02	-0.11	-0.09	-0.07	-0.06	-0.03	3343	1.0
y_mean[1547]	-0.26	5.0e-4	0.03	-0.32	-0.28	-0.26	-0.25	-0.21	2775	1.0
y_mean[1548]	-0.16	3.7e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.12	3554	1.0
y_mean[1549]	0.5	5.4e-4	0.03	0.43	0.47	0.5	0.52	0.56	3493	1.0
y_mean[1550]	-0.35	7.6e-4	0.04	-0.43	-0.38	-0.35	-0.33	-0.28	2413	1.0
y_mean[1551]	-0.45	3.8e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3774	1.0
y_mean[1552]	-0.68	5.9e-4	0.04	-0.75	-0.7	-0.68	-0.65	-0.6	3897	1.0
y_mean[1553]	0.08	4.8e-4	0.03	0.02	0.06	0.08	0.1	0.14	3673	1.0
y_mean[1554]	-0.43	3.1e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.4	3420	1.0
y_mean[1555]	0.11	4.6e-4	0.03	0.05	0.09	0.11	0.13	0.16	3779	1.0
y_mean[1556]	0.16	7.5e-4	0.04	0.08	0.13	0.16	0.19	0.25	3376	1.0
y_mean[1557]	-0.28	5.5e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.21	3290	1.0
y_mean[1558]	-0.64	4.7e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.58	3617	1.0
y_mean[1559]	-0.45	4.4e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	3749	1.0
y_mean[1560]	-0.19	5.1e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3421	1.0
y_mean[1561]	-0.19	5.7e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.12	3436	1.0
y_mean[1562]	0.13	7.6e-4	0.04	0.06	0.11	0.13	0.16	0.21	2516	1.0
y_mean[1563]	-0.39	9.7e-4	0.06	-0.51	-0.43	-0.39	-0.35	-0.28	3802	1.0
y_mean[1564]	0.33	4.4e-4	0.03	0.28	0.31	0.33	0.35	0.38	3605	1.0
y_mean[1565]	3.44	1.7e-3	0.11	3.22	3.36	3.43	3.51	3.65	4064	1.0

y_mean[1566]	0.26	4.6e-4	0.03	0.2	0.24	0.26	0.27	0.31	3490	1.0
y_mean[1567]	-0.35	4.5e-4	0.03	-0.4	-0.37	-0.36	-0.34	-0.3	3357	1.0
y_mean[1568]	0.27	4.6e-4	0.03	0.21	0.25	0.27	0.29	0.32	3526	1.0
y_mean[1569]	0.55	6.6e-4	0.04	0.47	0.52	0.55	0.57	0.62	3875	1.0
y_mean[1570]	-0.18	4.9e-4	0.03	-0.23	-0.19	-0.18	-0.16	-0.12	3421	1.0
y_mean[1571]	-0.44	3.1e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	3539	1.0
y_mean[1572]	-0.45	3.8e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	3793	1.0
y_mean[1573]	-0.22	4.8e-4	0.03	-0.27	-0.24	-0.22	-0.2	-0.17	2785	1.0
y_mean[1574]	0.39	4.7e-4	0.03	0.33	0.37	0.39	0.41	0.44	3928	1.0
y_mean[1575]	-0.47	4.0e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.42	3758	1.0
y_mean[1576]	-0.4	4.0e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.35	3930	1.0
y_mean[1577]	-0.72	1.5e-3	0.09	-0.9	-0.78	-0.72	-0.65	-0.54	3802	1.0
y_mean[1578]	0.2	5.7e-4	0.04	0.12	0.17	0.2	0.23	0.28	4709	1.0
y_mean[1579]	0.31	4.6e-4	0.03	0.25	0.29	0.31	0.32	0.36	3442	1.0
y_mean[1580]	-0.68	6.0e-4	0.04	-0.76	-0.71	-0.68	-0.66	-0.61	3711	1.0
y_mean[1581]	2.08	1.7e-3	0.12	1.85	2.0	2.08	2.16	2.32	4522	1.0
y_mean[1582]	0.4	4.2e-4	0.03	0.35	0.39	0.41	0.42	0.46	3823	1.0
y_mean[1583]	0.02	5.7e-4	0.03	-0.05	-5.6e-3	0.02	0.04	0.08	3124	1.0
y_mean[1584]	-0.32	4.2e-4	0.02	-0.37	-0.34	-0.32	-0.31	-0.28	2813	1.0
y_mean[1585]	0.15	5.5e-4	0.04	0.08	0.13	0.15	0.18	0.23	4669	1.0
y_mean[1586]	0.22	5.5e-4	0.04	0.15	0.2	0.22	0.25	0.29	4107	1.0
y_mean[1587]	0.3	5.4e-4	0.04	0.23	0.27	0.3	0.32	0.37	4360	1.0
y_mean[1588]	-0.12	6.6e-4	0.03	-0.19	-0.15	-0.13	-0.1	-0.05	2778	1.0
y_mean[1589]	-0.29	4.8e-4	0.03	-0.34	-0.31	-0.29	-0.27	-0.23	3758	1.0
y_mean[1590]	0.37	4.2e-4	0.03	0.32	0.35	0.37	0.39	0.42	3759	1.0
y_mean[1591]	-0.35	4.2e-4	0.03	-0.4	-0.37	-0.36	-0.34	-0.3	3746	1.0
y_mean[1592]	1.37	7.1e-4	0.05	1.27	1.33	1.37	1.4	1.46	4368	1.0
y_mean[1593]	-0.2	5.7e-4	0.03	-0.27	-0.22	-0.2	-0.18	-0.13	3531	1.0
y_mean[1594]	-0.2	4.6e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	3388	1.0
y_mean[1595]	-0.68	5.9e-4	0.04	-0.75	-0.7	-0.68	-0.65	-0.61	3812	1.0
y_mean[1596]	-0.44	3.3e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.4	3708	1.0
y_mean[1597]	-0.39	3.7e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3883	1.0
y_mean[1598]	-0.38	7.5e-4	0.04	-0.45	-0.4	-0.38	-0.36	-0.31	2315	1.0
y_mean[1599]	-0.58	4.9e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.52	3640	1.0
y_mean[1600]	0.04	4.8e-4	0.03	-0.03	0.01	0.03	0.06	0.1	4511	1.0
y_mean[1601]	-0.43	3.4e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.39	3517	1.0
y_mean[1602]	-0.33	5.0e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	3512	1.0
y_mean[1603]	-0.39	3.9e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	3526	1.0
y_mean[1604]	0.86	7.8e-4	0.05	0.76	0.83	0.86	0.89	0.96	4135	1.0
y_mean[1605]	-0.38	4.0e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	3138	1.0
y_mean[1606]	-0.12	3.4e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.08	3556	1.0
y_mean[1607]	-0.48	4.3e-4	0.03	-0.53	-0.5	-0.48	-0.46	-0.43	3708	1.0
y_mean[1608]	-0.3	5.3e-4	0.03	-0.35	-0.32	-0.3	-0.28	-0.24	2544	1.0
y_mean[1609]	-0.59	4.3e-4	0.03	-0.65	-0.61	-0.59	-0.57	-0.54	4366	1.0
y_mean[1610]	0.21	8.0e-4	0.05	0.1	0.17	0.21	0.24	0.31	4270	1.0
y_mean[1611]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3519	1.0
y_mean[1612]	-0.58	4.3e-4	0.03	-0.64	-0.6	-0.58	-0.56	-0.53	4021	1.0
y_mean[1613]	1.8	7.6e-4	0.05	1.71	1.77	1.8	1.83	1.9	4332	1.0

y_mean[1614]	0.65	8.3e-4	0.06	0.54	0.61	0.65	0.69	0.76	4543	1.0
y_mean[1615]	-0.41	4.2e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.36	3490	1.0
y_mean[1616]	-0.62	5.2e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.56	3348	1.0
y_mean[1617]	-5.4e-3	4.1e-4	0.02	-0.05	-0.02	-5.3e-3	9.8e-3	0.04	3293	1.0
y_mean[1618]	-0.43	3.2e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.39	3294	1.0
y_mean[1619]	-0.4	3.8e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3426	1.0
y_mean[1620]	0.02	4.2e-4	0.02	-0.03	9.4e-4	0.02	0.03	0.06	3398	1.0
y_mean[1621]	-0.32	5.3e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	3136	1.0
y_mean[1622]	0.06	3.8e-4	0.03	0.01	0.04	0.06	0.08	0.11	4341	1.0
y_mean[1623]	-0.43	4.0e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.38	3831	1.0
y_mean[1624]	-0.35	4.5e-4	0.03	-0.4	-0.37	-0.35	-0.34	-0.3	3378	1.0
y_mean[1625]	-0.46	4.3e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	3729	1.0
y_mean[1626]	0.77	6.2e-4	0.04	0.69	0.74	0.77	0.79	0.84	3787	1.0
y_mean[1627]	1.63	9.0e-4	0.06	1.52	1.59	1.63	1.67	1.74	4021	1.0
y_mean[1628]	-0.1	6.7e-4	0.03	-0.17	-0.13	-0.1	-0.08	-0.04	2704	1.0
y_mean[1629]	0.74	4.4e-4	0.03	0.69	0.72	0.74	0.76	0.79	3724	1.0
y_mean[1630]	0.26	4.7e-4	0.03	0.2	0.24	0.26	0.28	0.31	3447	1.0
y_mean[1631]	-0.09	4.6e-4	0.03	-0.14	-0.11	-0.09	-0.07	-0.04	3346	1.0
y_mean[1632]	-0.5	7.1e-4	0.04	-0.57	-0.52	-0.5	-0.47	-0.42	2951	1.0
y_mean[1633]	0.33	5.3e-4	0.03	0.27	0.31	0.33	0.36	0.4	4053	1.0
y_mean[1634]	-0.11	5.4e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.05	2910	1.0
y_mean[1635]	0.01	4.1e-4	0.02	-0.03	-1.5e-3	0.01	0.03	0.06	2995	1.0
y_mean[1636]	-0.49	5.5e-4	0.03	-0.56	-0.51	-0.49	-0.47	-0.43	3567	1.0
y_mean[1637]	-0.31	7.0e-4	0.03	-0.37	-0.33	-0.31	-0.28	-0.24	2263	1.0
y_mean[1638]	-0.59	4.4e-4	0.03	-0.64	-0.61	-0.59	-0.57	-0.54	3875	1.0
y_mean[1639]	-0.57	4.4e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.52	4153	1.0
y_mean[1640]	-0.38	3.0e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.35	4212	1.0
y_mean[1641]	-0.23	6.5e-4	0.03	-0.29	-0.26	-0.23	-0.21	-0.17	2391	1.0
y_mean[1642]	-0.46	3.5e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.42	3708	1.0
y_mean[1643]	-0.36	4.2e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3973	1.0
y_mean[1644]	-0.12	4.2e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	2730	1.0
y_mean[1645]	-0.03	5.8e-4	0.04	-0.1	-0.05	-0.03	-5.8e-3	0.04	3752	1.0
y_mean[1646]	-0.03	5.5e-4	0.03	-0.09	-0.05	-0.03	-0.01	0.02	2715	1.0
y_mean[1647]	-0.58	4.2e-4	0.03	-0.63	-0.59	-0.58	-0.56	-0.52	4296	1.0
y_mean[1648]	1.8	10.0e-4	0.06	1.68	1.76	1.8	1.84	1.92	3956	1.0
y_mean[1649]	-0.35	4.3e-4	0.02	-0.4	-0.36	-0.35	-0.33	-0.3	3366	1.0
y_mean[1650]	0.08	5.3e-4	0.04	0.01	0.06	0.08	0.11	0.15	4571	1.0
y_mean[1651]	-0.31	4.4e-4	0.02	-0.36	-0.33	-0.31	-0.29	-0.26	2896	1.0
y_mean[1652]	-0.33	4.6e-4	0.03	-0.38	-0.34	-0.33	-0.31	-0.27	3257	1.0
y_mean[1653]	4.4	1.5e-3	0.09	4.22	4.33	4.4	4.46	4.57	3357	1.0
y_mean[1654]	0.4	5.5e-4	0.03	0.33	0.38	0.4	0.42	0.47	3885	1.0
y_mean[1655]	-0.05	4.1e-4	0.02	-0.1	-0.07	-0.05	-0.04	-8.2e-3	2973	1.0
y_mean[1656]	-0.03	3.9e-4	0.02	-0.08	-0.05	-0.03	-0.02	0.01	3256	1.0
y_mean[1657]	-0.35	4.3e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	3836	1.0
y_mean[1658]	-0.34	4.9e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.29	2583	1.0
y_mean[1659]	-0.39	3.6e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	2901	1.0
y_mean[1660]	-0.01	6.0e-4	0.03	-0.07	-0.03	-0.01	7.6e-3	0.05	2552	1.0
y_mean[1661]	-0.19	5.1e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3428	1.0

y_mean[1662]	-0.16	3.7e-4	0.02	-0.2	-0.17	-0.16	-0.15	-0.12	3108	1.0
y_mean[1663]	0.34	4.7e-4	0.03	0.28	0.32	0.34	0.36	0.39	3317	1.0
y_mean[1664]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3155	1.0
y_mean[1665]	-0.36	4.6e-4	0.02	-0.41	-0.38	-0.36	-0.34	-0.31	2911	1.0
y_mean[1666]	-0.44	3.4e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.4	3788	1.0
y_mean[1667]	-0.13	5.9e-4	0.03	-0.19	-0.15	-0.13	-0.1	-0.06	2939	1.0
y_mean[1668]	0.58	4.5e-4	0.03	0.52	0.56	0.58	0.6	0.64	4275	1.0
y_mean[1669]	-0.47	5.6e-4	0.03	-0.54	-0.49	-0.47	-0.45	-0.4	3814	1.0
y_mean[1670]	0.06	5.7e-4	0.03	-5.8e-3	0.04	0.06	0.09	0.13	3637	1.0
y_mean[1671]	-0.18	3.9e-4	0.02	-0.22	-0.19	-0.18	-0.16	-0.13	3180	1.0
y_mean[1672]	-0.07	3.6e-4	0.02	-0.11	-0.08	-0.07	-0.06	-0.03	3278	1.0
y_mean[1673]	-0.15	3.7e-4	0.02	-0.19	-0.16	-0.15	-0.14	-0.11	3010	1.0
y_mean[1674]	-0.42	3.1e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	3487	1.0
y_mean[1675]	0.69	7.0e-4	0.05	0.59	0.66	0.69	0.72	0.78	4362	1.0
y_mean[1676]	-0.43	3.1e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.4	3413	1.0
y_mean[1677]	-0.19	7.2e-4	0.03	-0.26	-0.22	-0.2	-0.17	-0.13	2331	1.0
y_mean[1678]	0.46	4.3e-4	0.03	0.41	0.45	0.46	0.48	0.52	4019	1.0
y_mean[1679]	0.84	5.2e-4	0.03	0.78	0.82	0.84	0.86	0.9	3736	1.0
y_mean[1680]	-0.43	4.7e-4	0.03	-0.48	-0.44	-0.43	-0.41	-0.37	3475	1.0
y_mean[1681]	-0.34	5.6e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.27	3216	1.0
y_mean[1682]	-0.41	3.4e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.37	3006	1.0
y_mean[1683]	0.03	4.3e-4	0.02	-0.02	0.01	0.03	0.04	0.07	2961	1.0
y_mean[1684]	0.07	4.2e-4	0.02	0.03	0.06	0.07	0.09	0.12	3010	1.0
y_mean[1685]	-0.44	3.9e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.39	3807	1.0
y_mean[1686]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3321	1.0
y_mean[1687]	-0.02	3.2e-4	0.02	-0.06	-0.04	-0.02	-8.0e-3	0.02	4326	1.0
y_mean[1688]	-0.4	3.7e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3234	1.0
y_mean[1689]	0.33	4.9e-4	0.03	0.27	0.31	0.33	0.35	0.39	3737	1.0
y_mean[1690]	0.83	5.9e-4	0.04	0.75	0.8	0.83	0.85	0.9	4539	1.0
y_mean[1691]	-0.32	4.0e-4	0.02	-0.37	-0.34	-0.32	-0.31	-0.28	2826	1.0
y_mean[1692]	0.61	5.1e-4	0.03	0.54	0.59	0.61	0.63	0.68	4499	1.0
y_mean[1693]	-0.03	4.5e-4	0.03	-0.08	-0.04	-0.03	-0.01	0.02	3130	1.0
y_mean[1694]	-0.19	4.3e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.14	3601	1.0
y_mean[1695]	-0.52	4.9e-4	0.03	-0.58	-0.54	-0.52	-0.49	-0.45	4147	1.0
y_mean[1696]	-0.58	7.3e-4	0.04	-0.65	-0.61	-0.58	-0.56	-0.51	2746	1.0
y_mean[1697]	-0.38	6.5e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.31	2384	1.0
y_mean[1698]	-0.16	7.3e-4	0.04	-0.23	-0.18	-0.16	-0.13	-0.08	2470	1.0
y_mean[1699]	1.4	7.3e-4	0.05	1.31	1.37	1.4	1.43	1.49	3890	1.0
y_mean[1700]	-0.39	2.8e-4	0.02	-0.42	-0.4	-0.39	-0.38	-0.36	3738	1.0
y_mean[1701]	0.19	5.0e-4	0.03	0.13	0.17	0.19	0.21	0.25	4071	1.0
y_mean[1702]	-0.11	3.6e-4	0.02	-0.15	-0.12	-0.11	-0.1	-0.07	3421	1.0
y_mean[1703]	-0.36	4.9e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.3	3027	1.0
y_mean[1704]	0.04	4.4e-4	0.03	-0.01	0.02	0.04	0.06	0.09	3340	1.0
y_mean[1705]	-0.22	6.3e-4	0.04	-0.29	-0.24	-0.22	-0.19	-0.14	3637	1.0
y_mean[1706]	-0.55	4.5e-4	0.03	-0.61	-0.57	-0.55	-0.53	-0.49	4597	1.0
y_mean[1707]	7.4e-3	3.2e-4	0.02	-0.03	-5.3e-3	7.3e-3	0.02	0.04	3338	1.0
y_mean[1708]	-0.41	4.2e-4	0.03	-0.46	-0.43	-0.41	-0.4	-0.36	3883	1.0
y_mean[1709]	-0.05	3.8e-4	0.02	-0.09	-0.06	-0.05	-0.03	-6.5e-3	3228	1.0

y_mean[1710]	0.06	4.5e-4	0.03	9.7e-3	0.04	0.06	0.08	0.11	3572	1.0
y_mean[1711]	-0.41	3.4e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.37	2996	1.0
y_mean[1712]	-0.36	3.4e-4	0.02	-0.4	-0.38	-0.36	-0.35	-0.32	4342	1.0
y_mean[1713]	-0.39	3.9e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	2861	1.0
y_mean[1714]	-0.4	3.3e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	3219	1.0
y_mean[1715]	0.72	4.2e-4	0.03	0.67	0.7	0.72	0.74	0.77	4084	1.0
y_mean[1716]	-0.34	8.1e-4	0.04	-0.42	-0.37	-0.34	-0.32	-0.26	2316	1.0
y_mean[1717]	0.81	6.5e-4	0.04	0.72	0.78	0.81	0.84	0.89	4494	1.0
y_mean[1718]	-0.42	3.6e-4	0.02	-0.47	-0.44	-0.42	-0.41	-0.38	3860	1.0
y_mean[1719]	-0.39	3.6e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.35	3539	1.0
y_mean[1720]	-0.3	4.9e-4	0.03	-0.36	-0.32	-0.3	-0.28	-0.25	3238	1.0
y_mean[1721]	-0.16	9.0e-4	0.04	-0.24	-0.19	-0.16	-0.13	-0.07	2250	1.0
y_mean[1722]	-0.42	3.1e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3286	1.0
y_mean[1723]	-0.11	4.2e-4	0.02	-0.15	-0.12	-0.11	-0.09	-0.06	2744	1.0
y_mean[1724]	-0.11	6.2e-4	0.04	-0.19	-0.14	-0.11	-0.09	-0.03	3992	1.0
y_mean[1725]	0.54	4.4e-4	0.03	0.48	0.52	0.54	0.56	0.6	4176	1.0
y_mean[1726]	-0.1	3.7e-4	0.02	-0.14	-0.12	-0.1	-0.09	-0.06	3052	1.0
y_mean[1727]	-0.57	4.4e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.52	3981	1.0
y_mean[1728]	-0.33	5.5e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.27	2480	1.0
y_mean[1729]	-0.16	3.9e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	3053	1.0
y_mean[1730]	-0.26	7.6e-4	0.05	-0.36	-0.29	-0.26	-0.23	-0.17	4045	1.0
y_mean[1731]	-0.38	3.9e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	3936	1.0
y_mean[1732]	-0.43	3.2e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	3228	1.0
y_mean[1733]	-0.41	4.1e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.36	3891	1.0
y_mean[1734]	-0.17	8.0e-4	0.04	-0.25	-0.2	-0.17	-0.14	-0.09	2530	1.0
y_mean[1735]	0.29	5.4e-4	0.04	0.22	0.26	0.29	0.31	0.36	4208	1.0
y_mean[1736]	-0.43	3.7e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	3849	1.0
y_mean[1737]	-0.38	4.1e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	2905	1.0
y_mean[1738]	0.27	7.5e-4	0.04	0.18	0.24	0.27	0.3	0.35	3211	1.0
y_mean[1739]	-0.09	3.8e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	2990	1.0
y_mean[1740]	-0.14	3.6e-4	0.02	-0.18	-0.16	-0.14	-0.13	-0.1	3288	1.0
y_mean[1741]	-0.44	3.6e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	3714	1.0
y_mean[1742]	-0.39	2.5e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.36	4239	1.0
y_mean[1743]	-0.42	3.2e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3174	1.0
y_mean[1744]	-0.35	5.2e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.29	3738	1.0
y_mean[1745]	-0.49	5.4e-4	0.03	-0.56	-0.52	-0.5	-0.47	-0.43	3711	1.0
y_mean[1746]	-0.39	2.6e-4	0.02	-0.42	-0.4	-0.39	-0.38	-0.35	3907	1.0
y_mean[1747]	-0.35	4.3e-4	0.03	-0.4	-0.37	-0.35	-0.34	-0.3	3592	1.0
y_mean[1748]	-0.41	3.5e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	3046	1.0
y_mean[1749]	0.82	5.8e-4	0.04	0.75	0.8	0.83	0.85	0.9	4620	1.0
y_mean[1750]	0.17	6.5e-4	0.04	0.09	0.14	0.17	0.2	0.25	3649	1.0
y_mean[1751]	-0.49	7.5e-4	0.04	-0.57	-0.52	-0.49	-0.46	-0.4	3542	1.0
y_mean[1752]	0.04	4.2e-4	0.03	-4.8e-3	0.03	0.04	0.06	0.09	3606	1.0
y_mean[1753]	0.47	7.1e-4	0.04	0.4	0.45	0.47	0.5	0.55	2921	1.0
y_mean[1754]	-0.55	4.4e-4	0.03	-0.61	-0.57	-0.55	-0.53	-0.49	4555	1.0
y_mean[1755]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3313	1.0
y_mean[1756]	-0.68	7.9e-4	0.05	-0.78	-0.72	-0.68	-0.65	-0.59	4163	1.0
y_mean[1757]	-0.42	4.1e-4	0.02	-0.47	-0.44	-0.42	-0.41	-0.37	3242	1.0

y_mean[1758]	0.81	5.9e-4	0.04	0.73	0.78	0.81	0.83	0.88	4623	1.0
y_mean[1759]	-0.26	3.6e-4	0.02	-0.31	-0.28	-0.26	-0.25	-0.22	3334	1.0
y_mean[1760]	-0.38	4.2e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	2844	1.0
y_mean[1761]	0.76	7.6e-4	0.04	0.67	0.73	0.76	0.79	0.84	3350	1.0
y_mean[1762]	-0.48	4.7e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.42	3647	1.0
y_mean[1763]	-0.59	4.8e-4	0.03	-0.65	-0.61	-0.59	-0.57	-0.53	4382	1.0
y_mean[1764]	-0.01	4.1e-4	0.02	-0.06	-0.03	-0.01	3.6e-3	0.03	3265	1.0
y_mean[1765]	-0.61	4.3e-4	0.03	-0.67	-0.63	-0.61	-0.6	-0.56	3907	1.0
y_mean[1766]	0.07	4.5e-4	0.03	0.02	0.06	0.07	0.09	0.13	3633	1.0
y_mean[1767]	-0.36	4.8e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	2787	1.0
y_mean[1768]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3205	1.0
y_mean[1769]	0.76	1.0e-3	0.07	0.63	0.72	0.76	0.81	0.89	4398	1.0
y_mean[1770]	0.15	9.0e-4	0.06	0.04	0.11	0.15	0.19	0.27	4241	1.0
y_mean[1771]	-0.58	5.9e-4	0.04	-0.65	-0.6	-0.58	-0.55	-0.5	4121	1.0
y_mean[1772]	-0.32	4.6e-4	0.03	-0.37	-0.34	-0.32	-0.31	-0.27	3497	1.0
y_mean[1773]	0.96	6.7e-4	0.05	0.87	0.93	0.96	0.99	1.05	4575	1.0
y_mean[1774]	-0.39	3.8e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	3251	1.0
y_mean[1775]	-0.34	3.5e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.3	3489	1.0
y_mean[1776]	-0.35	3.4e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	4182	1.0
y_mean[1777]	1.21	7.1e-4	0.05	1.12	1.18	1.21	1.24	1.3	4341	1.0
y_mean[1778]	0.84	9.8e-4	0.06	0.72	0.8	0.84	0.88	0.96	3937	1.0
y_mean[1779]	-0.39	3.5e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	3341	1.0
y_mean[1780]	-0.14	3.7e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.1	2884	1.0
y_mean[1781]	1.0	7.4e-4	0.05	0.91	0.97	1.0	1.03	1.09	4382	1.0
y_mean[1782]	-0.12	3.9e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.08	2759	1.0
y_mean[1783]	-0.41	3.3e-4	0.02	-0.44	-0.42	-0.41	-0.4	-0.37	3001	1.0
y_mean[1784]	0.53	7.4e-4	0.04	0.45	0.5	0.53	0.56	0.61	3047	1.0
y_mean[1785]	-0.42	4.4e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.36	3843	1.0
y_mean[1786]	-0.44	3.7e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	3818	1.0
y_mean[1787]	-0.35	4.5e-4	0.02	-0.4	-0.36	-0.35	-0.33	-0.3	2995	1.0
y_mean[1788]	-0.07	3.8e-4	0.02	-0.11	-0.09	-0.07	-0.06	-0.03	3023	1.0
y_mean[1789]	-0.57	6.2e-4	0.04	-0.65	-0.6	-0.57	-0.55	-0.49	4076	1.0
y_mean[1790]	-0.4	2.5e-4	0.02	-0.43	-0.41	-0.4	-0.39	-0.37	4033	1.0
y_mean[1791]	-0.71	8.6e-4	0.05	-0.81	-0.74	-0.71	-0.67	-0.6	3734	1.0
y_mean[1792]	0.54	7.9e-4	0.05	0.44	0.51	0.54	0.58	0.65	4220	1.0
y_mean[1793]	1.07	1.2e-3	0.08	0.92	1.02	1.08	1.13	1.23	4833	1.0
y_mean[1794]	-0.41	4.4e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3151	1.0
y_mean[1795]	-0.42	3.1e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3376	1.0
y_mean[1796]	-0.29	5.1e-4	0.03	-0.34	-0.31	-0.3	-0.28	-0.24	2542	1.0
y_mean[1797]	-0.45	9.2e-4	0.06	-0.56	-0.49	-0.45	-0.42	-0.34	3672	1.0
y_mean[1798]	-0.69	8.4e-4	0.05	-0.79	-0.72	-0.69	-0.65	-0.59	3877	1.0
y_mean[1799]	1.32	7.7e-4	0.05	1.22	1.28	1.32	1.35	1.42	4531	1.0
y_mean[1800]	0.87	4.7e-4	0.03	0.81	0.85	0.87	0.89	0.92	3985	1.0
ypred[1]	-0.32	9.0e-3	0.55	-1.39	-0.7	-0.33	0.05	0.78	3733	1.0
ypred[2]	-0.4	8.5e-3	0.54	-1.47	-0.75	-0.4	-0.03	0.66	4034	1.0
ypred[3]	-0.36	8.6e-3	0.55	-1.43	-0.73	-0.36	0.01	0.68	4057	1.0
ypred[4]	-0.53	8.5e-3	0.55	-1.62	-0.89	-0.52	-0.16	0.54	4098	1.0
ypred[5]	-0.47	8.5e-3	0.55	-1.54	-0.84	-0.48	-0.1	0.61	4133	1.0

ypred[6]	0.66	9.2e-3	0.55	-0.41	0.29	0.66	1.03	1.74	3599	1.0
ypred[7]	-0.63	8.8e-3	0.54	-1.7	-0.99	-0.63	-0.26	0.44	3795	1.0
ypred[8]	1.35	9.1e-3	0.55	0.28	0.96	1.35	1.73	2.42	3714	1.0
ypred[9]	-0.42	9.1e-3	0.56	-1.5	-0.8	-0.42	-0.05	0.65	3764	1.0
ypred[10]	-0.38	8.3e-3	0.54	-1.41	-0.74	-0.38	-9.2e-3	0.67	4207	1.0
ypred[11]	-0.34	8.4e-3	0.54	-1.4	-0.71	-0.33	0.01	0.75	4185	1.0
ypred[12]	-0.48	8.9e-3	0.55	-1.55	-0.85	-0.48	-0.11	0.64	3857	1.0
ypred[13]	-0.35	8.7e-3	0.55	-1.44	-0.72	-0.36	5.0e-3	0.69	3965	1.0
ypred[14]	-0.39	8.9e-3	0.56	-1.48	-0.76	-0.39	-0.02	0.71	3930	1.0
ypred[15]	0.27	8.7e-3	0.54	-0.78	-0.08	0.29	0.64	1.33	3805	1.0
ypred[16]	-0.33	8.5e-3	0.55	-1.4	-0.7	-0.34	0.04	0.71	4178	1.0
ypred[17]	-0.4	8.8e-3	0.55	-1.45	-0.78	-0.4	-0.04	0.68	3865	1.0
ypred[18]	1.35	8.6e-3	0.55	0.26	0.99	1.35	1.71	2.44	4102	1.0
ypred[19]	-0.51	8.7e-3	0.54	-1.58	-0.89	-0.5	-0.14	0.56	3917	1.0
ypred[20]	1.69	8.8e-3	0.55	0.62	1.33	1.69	2.07	2.75	3865	1.0
ypred[21]	1.42	8.6e-3	0.54	0.39	1.05	1.41	1.78	2.49	4020	1.0
ypred[22]	1.12	8.9e-3	0.54	0.06	0.74	1.12	1.49	2.18	3687	1.0
ypred[23]	0.89	8.5e-3	0.54	-0.17	0.53	0.88	1.25	1.97	4101	1.0
ypred[24]	-0.7	8.7e-3	0.55	-1.77	-1.08	-0.7	-0.32	0.4	3992	1.0
ypred[25]	1.9	8.6e-3	0.55	0.85	1.54	1.91	2.27	2.97	4029	1.0
ypred[26]	0.31	8.8e-3	0.55	-0.75	-0.05	0.31	0.68	1.39	3937	1.0
ypred[27]	-0.67	8.6e-3	0.54	-1.75	-1.03	-0.67	-0.31	0.37	3973	1.0
ypred[28]	-0.42	8.5e-3	0.54	-1.48	-0.78	-0.42	-0.06	0.65	4022	1.0
ypred[29]	-0.16	8.7e-3	0.54	-1.2	-0.53	-0.16	0.21	0.92	3852	1.0
ypred[30]	-0.06	9.1e-3	0.55	-1.1	-0.43	-0.07	0.31	1.05	3666	1.0
ypred[31]	-0.12	9.0e-3	0.55	-1.17	-0.5	-0.11	0.25	0.95	3701	1.0
ypred[32]	-0.39	8.5e-3	0.54	-1.45	-0.76	-0.39	-0.03	0.65	3965	1.0
ypred[33]	-0.41	8.4e-3	0.53	-1.48	-0.77	-0.42	-0.05	0.63	4026	1.0
ypred[34]	-0.36	8.6e-3	0.55	-1.43	-0.72	-0.36	-3.4e-3	0.73	4077	1.0
ypred[35]	-0.21	8.4e-3	0.54	-1.24	-0.58	-0.21	0.16	0.85	4145	1.0
ypred[36]	-0.25	8.4e-3	0.54	-1.31	-0.6	-0.25	0.11	0.84	4058	1.0
ypred[37]	0.28	8.3e-3	0.53	-0.79	-0.08	0.28	0.64	1.32	4120	1.0
ypred[38]	-0.65	8.7e-3	0.55	-1.73	-1.02	-0.64	-0.29	0.41	4014	1.0
ypred[39]	-0.52	8.5e-3	0.54	-1.56	-0.88	-0.51	-0.15	0.53	4015	1.0
ypred[40]	-9.7e-3	8.8e-3	0.56	-1.12	-0.38	-8.4e-3	0.37	1.07	3978	1.0
ypred[41]	-0.35	8.7e-3	0.56	-1.42	-0.72	-0.35	0.03	0.72	4109	1.0
ypred[42]	-0.41	8.9e-3	0.55	-1.48	-0.78	-0.41	-0.05	0.66	3753	1.0
ypred[43]	0.29	8.9e-3	0.55	-0.82	-0.07	0.29	0.66	1.36	3730	1.0
ypred[44]	-0.12	8.7e-3	0.54	-1.16	-0.49	-0.12	0.24	0.93	3835	1.0
ypred[45]	-0.31	8.6e-3	0.54	-1.34	-0.7	-0.31	0.04	0.79	4038	1.0
ypred[46]	-0.42	9.2e-3	0.55	-1.5	-0.8	-0.44	-0.05	0.68	3560	1.0
ypred[47]	0.76	8.9e-3	0.54	-0.3	0.39	0.77	1.13	1.79	3642	1.0
ypred[48]	-0.62	9.1e-3	0.56	-1.71	-0.99	-0.62	-0.25	0.5	3699	1.0
ypred[49]	-0.15	8.6e-3	0.54	-1.22	-0.51	-0.14	0.22	0.91	3966	1.0
ypred[50]	-0.4	8.6e-3	0.54	-1.45	-0.77	-0.4	-0.02	0.66	3966	1.0
ypred[51]	-0.25	8.6e-3	0.54	-1.28	-0.61	-0.25	0.12	0.82	3914	1.0
ypred[52]	-0.59	8.9e-3	0.56	-1.68	-0.98	-0.6	-0.21	0.48	3917	1.0
ypred[53]	-0.59	9.4e-3	0.54	-1.63	-0.94	-0.58	-0.22	0.44	3245	1.0

ypred[54]	0.33	8.9e-3	0.55	-0.76	-0.04	0.34	0.68	1.42	3837	1.0
ypred[55]	-0.11	8.6e-3	0.55	-1.2	-0.49	-0.09	0.27	0.96	4069	1.0
ypred[56]	-0.42	8.8e-3	0.54	-1.47	-0.78	-0.42	-0.06	0.62	3765	1.0
ypred[57]	-0.43	8.8e-3	0.55	-1.48	-0.8	-0.43	-0.05	0.62	3810	1.0
ypred[58]	0.4	8.3e-3	0.54	-0.65	0.03	0.39	0.77	1.48	4261	1.0
ypred[59]	-0.09	8.7e-3	0.56	-1.17	-0.47	-0.08	0.29	0.98	4072	1.0
ypred[60]	0.39	8.7e-3	0.55	-0.68	0.02	0.4	0.76	1.47	3941	1.0
ypred[61]	-0.02	8.9e-3	0.55	-1.07	-0.39	-0.02	0.35	1.06	3777	1.0
ypred[62]	-0.52	8.7e-3	0.55	-1.59	-0.9	-0.53	-0.16	0.58	4029	1.0
ypred[63]	-0.33	8.7e-3	0.54	-1.41	-0.69	-0.33	0.03	0.72	3857	1.0
ypred[64]	0.21	8.6e-3	0.54	-0.86	-0.15	0.21	0.57	1.25	3997	1.0
ypred[65]	-0.34	8.6e-3	0.54	-1.41	-0.7	-0.34	0.02	0.72	3960	1.0
ypred[66]	-0.39	8.6e-3	0.54	-1.46	-0.75	-0.39	-0.03	0.66	3962	1.0
ypred[67]	0.72	9.0e-3	0.56	-0.34	0.35	0.72	1.11	1.8	3818	1.0
ypred[68]	0.87	8.7e-3	0.54	-0.17	0.51	0.87	1.24	1.92	3935	1.0
ypred[69]	0.62	8.7e-3	0.54	-0.43	0.25	0.61	0.98	1.7	3918	1.0
ypred[70]	0.71	8.6e-3	0.54	-0.38	0.34	0.72	1.08	1.78	4001	1.0
ypred[71]	0.33	8.9e-3	0.56	-0.76	-0.05	0.33	0.69	1.39	3917	1.0
ypred[72]	-0.42	9.7e-3	0.54	-1.51	-0.77	-0.42	-0.06	0.66	3117	1.0
ypred[73]	-0.07	8.4e-3	0.55	-1.15	-0.44	-0.07	0.29	0.99	4211	1.0
ypred[74]	-0.42	8.7e-3	0.55	-1.49	-0.79	-0.41	-0.05	0.66	3924	1.0
ypred[75]	-0.16	8.7e-3	0.55	-1.24	-0.53	-0.17	0.2	0.92	3914	1.0
ypred[76]	-0.14	8.6e-3	0.54	-1.2	-0.5	-0.16	0.22	0.95	3973	1.0
ypred[77]	0.26	8.9e-3	0.55	-0.85	-0.11	0.26	0.63	1.32	3803	1.0
ypred[78]	0.15	8.5e-3	0.55	-0.94	-0.22	0.14	0.52	1.24	4199	1.0
ypred[79]	-0.3	9.1e-3	0.55	-1.4	-0.68	-0.3	0.08	0.77	3724	1.0
ypred[80]	-0.44	8.8e-3	0.55	-1.52	-0.81	-0.43	-0.07	0.65	3943	1.0
ypred[81]	-0.66	8.8e-3	0.54	-1.75	-1.02	-0.66	-0.3	0.41	3839	1.0
ypred[82]	-0.58	8.6e-3	0.54	-1.64	-0.94	-0.58	-0.22	0.49	3956	1.0
ypred[83]	-0.54	8.7e-3	0.54	-1.58	-0.9	-0.54	-0.17	0.51	3801	1.0
ypred[84]	0.11	8.8e-3	0.55	-0.95	-0.26	0.12	0.49	1.2	3925	1.0
ypred[85]	-0.45	8.5e-3	0.54	-1.51	-0.81	-0.46	-0.09	0.58	3961	1.0
ypred[86]	3.54	9.3e-3	0.57	2.4	3.15	3.52	3.95	4.65	3767	1.0
ypred[87]	-0.63	8.6e-3	0.54	-1.69	-0.99	-0.63	-0.26	0.45	3978	1.0
ypred[88]	-0.19	8.7e-3	0.55	-1.28	-0.56	-0.19	0.18	0.86	3998	1.0
ypred[89]	-0.49	8.5e-3	0.55	-1.56	-0.88	-0.5	-0.12	0.6	4118	1.0
ypred[90]	0.23	8.8e-3	0.54	-0.83	-0.14	0.22	0.6	1.3	3843	1.0
ypred[91]	1.91	9.1e-3	0.54	0.87	1.54	1.9	2.29	2.95	3539	1.0
ypred[92]	-0.12	8.5e-3	0.54	-1.19	-0.49	-0.12	0.25	0.96	4087	1.0
ypred[93]	0.59	8.6e-3	0.54	-0.49	0.24	0.59	0.96	1.65	3925	1.0
ypred[94]	0.17	8.5e-3	0.55	-0.92	-0.21	0.17	0.53	1.24	4159	1.0
ypred[95]	1.74	8.7e-3	0.54	0.67	1.38	1.74	2.11	2.8	3941	1.0
ypred[96]	0.3	8.3e-3	0.54	-0.75	-0.06	0.29	0.66	1.38	4200	1.0
ypred[97]	-0.12	8.8e-3	0.55	-1.22	-0.48	-0.11	0.25	0.92	3915	1.0
ypred[98]	-0.14	8.9e-3	0.55	-1.18	-0.53	-0.15	0.24	0.98	3905	1.0
ypred[99]	-0.49	8.6e-3	0.55	-1.58	-0.86	-0.49	-0.12	0.57	4070	1.0
ypred[100]	0.38	8.7e-3	0.55	-0.7	0.02	0.38	0.75	1.44	3989	1.0
ypred[101]	-0.57	8.5e-3	0.54	-1.62	-0.93	-0.58	-0.21	0.52	4103	1.0

ypred[102]	1.57	8.9e-3	0.55	0.47	1.2	1.57	1.95	2.62	3807	1.0
ypred[103]	-3.7e-3	8.8e-3	0.55	-1.07	-0.38	-2.6e-4	0.37	1.05	3890	1.0
ypred[104]	0.05	8.7e-3	0.55	-1.03	-0.32	0.06	0.43	1.12	3974	1.0
ypred[105]	0.12	8.5e-3	0.54	-0.95	-0.24	0.12	0.48	1.15	4004	1.0
ypred[106]	-0.18	8.7e-3	0.55	-1.23	-0.55	-0.19	0.18	0.93	4032	1.0
ypred[107]	0.05	8.8e-3	0.55	-0.98	-0.32	0.04	0.43	1.15	3903	1.0
ypred[108]	-0.53	8.6e-3	0.55	-1.6	-0.88	-0.54	-0.16	0.54	4012	1.0
ypred[109]	0.37	8.9e-3	0.54	-0.71	4.0e-3	0.38	0.74	1.42	3750	1.0
ypred[110]	4.0e-3	8.7e-3	0.55	-1.04	-0.37	9.4e-3	0.38	1.09	3978	1.0
ypred[111]	-0.42	8.5e-3	0.54	-1.47	-0.79	-0.42	-0.06	0.64	4088	1.0
ypred[112]	-0.34	8.6e-3	0.53	-1.35	-0.71	-0.34	0.02	0.72	3785	1.0
ypred[113]	0.07	8.2e-3	0.53	-0.98	-0.29	0.06	0.43	1.09	4216	1.0
ypred[114]	3.6	8.5e-3	0.54	2.56	3.22	3.6	3.96	4.67	4028	1.0
ypred[115]	2.19	8.6e-3	0.54	1.14	1.82	2.2	2.56	3.26	4046	1.0
ypred[116]	0.39	8.7e-3	0.54	-0.66	0.03	0.4	0.75	1.47	3910	1.0
ypred[117]	0.36	8.5e-3	0.54	-0.68	-2.3e-3	0.35	0.72	1.43	3990	1.0
ypred[118]	-0.32	8.9e-3	0.55	-1.4	-0.68	-0.32	0.04	0.76	3786	1.0
ypred[119]	0.41	8.6e-3	0.55	-0.7	0.06	0.4	0.78	1.47	4144	1.0
ypred[120]	-0.31	8.7e-3	0.55	-1.38	-0.67	-0.31	0.07	0.78	3994	1.0
ypred[121]	1.21	8.9e-3	0.55	0.13	0.83	1.2	1.58	2.3	3859	1.0
ypred[122]	-0.46	8.8e-3	0.56	-1.56	-0.84	-0.45	-0.09	0.64	4071	1.0
ypred[123]	-0.13	8.5e-3	0.55	-1.19	-0.5	-0.12	0.26	0.9	4117	1.0
ypred[124]	0.31	8.7e-3	0.54	-0.74	-0.05	0.31	0.69	1.36	3855	1.0
ypred[125]	-0.09	9.3e-3	0.54	-1.15	-0.46	-0.09	0.28	0.99	3428	1.0
ypred[126]	0.02	9.1e-3	0.56	-1.06	-0.35	0.03	0.38	1.11	3721	1.0
ypred[127]	0.53	8.6e-3	0.54	-0.53	0.17	0.53	0.89	1.61	3949	1.0
ypred[128]	-0.27	8.9e-3	0.56	-1.36	-0.65	-0.28	0.1	0.81	3928	1.0
ypred[129]	-0.14	8.8e-3	0.54	-1.17	-0.51	-0.14	0.23	0.92	3756	1.0
ypred[130]	-0.65	8.5e-3	0.54	-1.73	-1.01	-0.65	-0.28	0.43	4070	1.0
ypred[131]	-0.14	8.7e-3	0.55	-1.23	-0.51	-0.14	0.23	0.93	3978	1.0
ypred[132]	-0.15	8.5e-3	0.54	-1.21	-0.51	-0.15	0.23	0.9	4035	1.0
ypred[133]	0.12	8.7e-3	0.55	-0.96	-0.25	0.12	0.5	1.19	3939	1.0
ypred[134]	0.17	8.6e-3	0.54	-0.87	-0.2	0.17	0.53	1.22	3960	1.0
ypred[135]	0.12	9.3e-3	0.54	-0.92	-0.24	0.12	0.49	1.21	3437	1.0
ypred[136]	0.16	8.5e-3	0.53	-0.88	-0.2	0.16	0.51	1.19	4002	1.0
ypred[137]	-0.08	8.7e-3	0.55	-1.15	-0.45	-0.08	0.3	0.99	3971	1.0
ypred[138]	0.37	8.6e-3	0.55	-0.73	8.8e-3	0.36	0.74	1.45	4113	1.0
ypred[139]	0.27	8.8e-3	0.55	-0.82	-0.09	0.27	0.64	1.35	3899	1.0
ypred[140]	-0.57	8.9e-3	0.55	-1.62	-0.95	-0.57	-0.2	0.5	3731	1.0
ypred[141]	-0.34	8.8e-3	0.54	-1.42	-0.7	-0.34	0.02	0.71	3819	1.0
ypred[142]	-0.15	8.4e-3	0.54	-1.2	-0.51	-0.14	0.22	0.88	4145	1.0
ypred[143]	-0.35	8.9e-3	0.55	-1.46	-0.71	-0.34	0.03	0.74	3844	1.0
ypred[144]	-0.33	8.7e-3	0.54	-1.44	-0.68	-0.33	0.04	0.75	3892	1.0
ypred[145]	-0.21	8.7e-3	0.55	-1.29	-0.57	-0.21	0.15	0.88	4007	1.0
ypred[146]	-0.19	8.4e-3	0.54	-1.26	-0.56	-0.17	0.18	0.88	4230	1.0
ypred[147]	0.69	8.9e-3	0.56	-0.4	0.31	0.68	1.06	1.79	3919	1.0
ypred[148]	0.46	8.5e-3	0.55	-0.59	0.08	0.46	0.84	1.53	4140	1.0
ypred[149]	-0.44	8.9e-3	0.55	-1.53	-0.81	-0.44	-0.06	0.62	3852	1.0

ypred[150]	0.59	8.6e-3	0.54	-0.44	0.21	0.6	0.95	1.66	3986	1.0
ypred[151]	-0.43	9.1e-3	0.56	-1.51	-0.8	-0.44	-0.05	0.67	3760	1.0
ypred[152]	-0.37	8.7e-3	0.55	-1.43	-0.74	-0.37	-0.02	0.72	3919	1.0
ypred[153]	-0.22	8.7e-3	0.54	-1.28	-0.59	-0.21	0.14	0.85	3892	1.0
ypred[154]	2.44	8.7e-3	0.54	1.38	2.08	2.45	2.8	3.51	3867	1.0
ypred[155]	-0.3	8.7e-3	0.54	-1.35	-0.67	-0.3	0.05	0.78	3895	1.0
ypred[156]	2.15	8.5e-3	0.55	1.1	1.79	2.16	2.52	3.25	4153	1.0
ypred[157]	2.6	9.4e-3	0.55	1.55	2.23	2.59	2.96	3.71	3402	1.0
ypred[158]	-0.14	8.7e-3	0.56	-1.23	-0.51	-0.14	0.25	0.94	4072	1.0
ypred[159]	-0.12	8.7e-3	0.55	-1.21	-0.49	-0.12	0.25	0.94	3963	1.0
ypred[160]	5.37	9.0e-3	0.56	4.26	4.99	5.37	5.73	6.48	3946	1.0
ypred[161]	-0.36	9.0e-3	0.54	-1.42	-0.73	-0.36	5.7e-3	0.72	3650	1.0
ypred[162]	-0.46	8.7e-3	0.55	-1.54	-0.82	-0.47	-0.08	0.6	3982	1.0
ypred[163]	-0.41	8.4e-3	0.55	-1.5	-0.78	-0.4	-0.05	0.66	4167	1.0
ypred[164]	-0.4	8.6e-3	0.54	-1.45	-0.77	-0.4	-0.04	0.65	3933	1.0
ypred[165]	-0.44	8.6e-3	0.54	-1.48	-0.81	-0.43	-0.06	0.63	4028	1.0
ypred[166]	0.58	8.5e-3	0.55	-0.5	0.22	0.58	0.96	1.66	4183	1.0
ypred[167]	-0.36	8.7e-3	0.55	-1.46	-0.74	-0.35	1.7e-3	0.71	3960	1.0
ypred[168]	-0.17	8.4e-3	0.54	-1.22	-0.53	-0.18	0.18	0.87	4138	1.0
ypred[169]	-0.19	8.8e-3	0.54	-1.25	-0.56	-0.2	0.18	0.86	3710	1.0
ypred[170]	-0.37	8.6e-3	0.54	-1.41	-0.75	-0.37	-0.01	0.65	3890	1.0
ypred[171]	-0.4	8.6e-3	0.54	-1.48	-0.77	-0.4	-0.05	0.68	3947	1.0
ypred[172]	0.77	8.7e-3	0.55	-0.33	0.39	0.78	1.14	1.88	4042	1.0
ypred[173]	0.94	8.7e-3	0.55	-0.13	0.58	0.94	1.31	2.03	3990	1.0
ypred[174]	-0.2	8.6e-3	0.54	-1.26	-0.58	-0.2	0.18	0.87	3962	1.0
ypred[175]	0.04	9.2e-3	0.56	-1.04	-0.33	0.04	0.42	1.13	3665	1.0
ypred[176]	-0.4	8.4e-3	0.54	-1.42	-0.76	-0.41	-0.04	0.69	4054	1.0
ypred[177]	-0.14	8.8e-3	0.55	-1.23	-0.52	-0.15	0.24	0.9	3863	1.0
ypred[178]	-0.23	8.6e-3	0.54	-1.31	-0.59	-0.22	0.14	0.8	3966	1.0
ypred[179]	-0.61	8.7e-3	0.55	-1.7	-0.97	-0.61	-0.24	0.45	4016	1.0
ypred[180]	-0.11	8.7e-3	0.54	-1.18	-0.48	-0.11	0.26	0.97	3934	1.0
ypred[181]	-0.51	9.0e-3	0.56	-1.61	-0.88	-0.51	-0.13	0.63	3916	1.0
ypred[182]	0.76	9.5e-3	0.56	-0.37	0.38	0.76	1.15	1.85	3540	1.0
ypred[183]	-0.01	8.8e-3	0.54	-1.05	-0.38	-4.5e-3	0.36	1.03	3695	1.0
ypred[184]	0.45	8.9e-3	0.55	-0.6	0.09	0.44	0.82	1.56	3811	1.0
ypred[185]	-0.15	8.6e-3	0.55	-1.21	-0.52	-0.15	0.22	0.92	4090	1.0
ypred[186]	0.03	8.5e-3	0.54	-1.02	-0.33	0.03	0.39	1.08	3961	1.0
ypred[187]	0.28	8.7e-3	0.55	-0.8	-0.08	0.27	0.64	1.37	3954	1.0
ypred[188]	-0.37	8.7e-3	0.53	-1.43	-0.72	-0.38	8.8e-3	0.69	3754	1.0
ypred[189]	-0.42	8.5e-3	0.55	-1.51	-0.79	-0.41	-0.04	0.65	4168	1.0
ypred[190]	-0.39	8.5e-3	0.54	-1.47	-0.75	-0.39	-0.02	0.68	4110	1.0
ypred[191]	0.65	8.7e-3	0.55	-0.44	0.28	0.65	1.03	1.71	3999	1.0
ypred[192]	-0.39	9.0e-3	0.54	-1.46	-0.75	-0.4	-0.04	0.67	3647	1.0
ypred[193]	-0.15	8.4e-3	0.54	-1.21	-0.51	-0.15	0.2	0.9	4075	1.0
ypred[194]	-0.29	8.3e-3	0.54	-1.37	-0.63	-0.29	0.09	0.73	4176	1.0
ypred[195]	2.08	8.5e-3	0.54	1.01	1.71	2.08	2.45	3.1	4014	1.0
ypred[196]	-0.02	9.0e-3	0.55	-1.06	-0.4	-0.03	0.35	1.09	3832	1.0
ypred[197]	0.22	8.7e-3	0.55	-0.86	-0.14	0.23	0.6	1.28	3921	1.0

ypred[198]	-0.18	8.5e-3	0.55	-1.28	-0.54	-0.17	0.19	0.89	4192	1.0
ypred[199]	-0.19	9.1e-3	0.55	-1.27	-0.57	-0.19	0.17	0.9	3667	1.0
ypred[200]	-0.42	8.5e-3	0.54	-1.46	-0.79	-0.42	-0.06	0.63	4036	1.0
y_predicted[1]	-0.32	4.4e-4	0.02	-0.37	-0.34	-0.32	-0.31	-0.28	2753	1.0
y_predicted[2]	-0.39	3.7e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	3840	1.0
y_predicted[3]	-0.35	5.7e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.29	2467	1.0
y_predicted[4]	-0.53	4.4e-4	0.03	-0.59	-0.55	-0.53	-0.51	-0.48	4483	1.0
y_predicted[5]	-0.47	5.1e-4	0.03	-0.53	-0.49	-0.47	-0.44	-0.4	4584	1.0
y_predicted[6]	0.66	5.4e-4	0.03	0.59	0.63	0.66	0.68	0.72	3770	1.0
y_predicted[7]	-0.63	6.7e-4	0.04	-0.71	-0.66	-0.63	-0.6	-0.54	3869	1.0
y_predicted[8]	1.33	7.0e-4	0.05	1.24	1.3	1.33	1.36	1.42	4393	1.0
y_predicted[9]	-0.42	3.3e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3741	1.0
y_predicted[10]	-0.38	3.5e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	3922	1.0
y_predicted[11]	-0.34	5.0e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.28	3028	1.0
y_predicted[12]	-0.48	7.2e-4	0.04	-0.56	-0.51	-0.48	-0.45	-0.39	3727	1.0
y_predicted[13]	-0.35	4.3e-4	0.02	-0.4	-0.37	-0.35	-0.33	-0.3	3211	1.0
y_predicted[14]	-0.42	2.8e-4	0.02	-0.45	-0.43	-0.42	-0.4	-0.38	4312	1.0
y_predicted[15]	0.28	5.9e-4	0.04	0.2	0.25	0.28	0.3	0.35	4258	1.0
y_predicted[16]	-0.33	7.9e-4	0.04	-0.4	-0.36	-0.33	-0.31	-0.25	2302	1.0
y_predicted[17]	-0.39	4.2e-4	0.03	-0.45	-0.41	-0.39	-0.38	-0.34	3935	1.0
y_predicted[18]	1.35	6.5e-4	0.04	1.26	1.32	1.34	1.37	1.43	4245	1.0
y_predicted[19]	-0.52	5.2e-4	0.03	-0.59	-0.55	-0.52	-0.5	-0.46	3916	1.0
y_predicted[20]	1.69	8.5e-4	0.05	1.58	1.65	1.69	1.73	1.79	4046	1.0
y_predicted[21]	1.41	6.8e-4	0.05	1.32	1.38	1.41	1.44	1.5	4845	1.0
y_predicted[22]	1.12	5.8e-4	0.04	1.04	1.09	1.12	1.14	1.19	4061	1.0
y_predicted[23]	0.88	6.3e-4	0.04	0.8	0.85	0.88	0.9	0.96	4171	1.0
y_predicted[24]	-0.7	6.1e-4	0.04	-0.78	-0.73	-0.7	-0.68	-0.63	3856	1.0
y_predicted[25]	1.92	1.0e-3	0.07	1.79	1.88	1.92	1.97	2.06	4272	1.0
y_predicted[26]	0.33	4.5e-4	0.03	0.27	0.31	0.33	0.34	0.38	3509	1.0
y_predicted[27]	-0.67	5.0e-4	0.03	-0.73	-0.69	-0.67	-0.64	-0.6	3928	1.0
y_predicted[28]	-0.41	3.9e-4	0.02	-0.46	-0.43	-0.41	-0.39	-0.36	3908	1.0
y_predicted[29]	-0.17	6.8e-4	0.03	-0.23	-0.19	-0.17	-0.14	-0.1	2425	1.0
y_predicted[30]	-0.05	4.5e-4	0.02	-0.09	-0.06	-0.05	-0.03	-1.3e-3	2908	1.0
y_predicted[31]	-0.14	6.1e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.08	2679	1.0
y_predicted[32]	-0.38	3.8e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	3385	1.0
y_predicted[33]	-0.4	4.7e-4	0.03	-0.45	-0.42	-0.4	-0.39	-0.36	2886	1.0
y_predicted[34]	-0.36	4.5e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.31	2899	1.0
y_predicted[35]	-0.2	5.3e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	3419	1.0
y_predicted[36]	-0.24	7.8e-4	0.04	-0.31	-0.27	-0.24	-0.22	-0.16	2379	1.0
y_predicted[37]	0.27	4.4e-4	0.03	0.22	0.25	0.27	0.29	0.32	3664	1.0
y_predicted[38]	-0.65	7.7e-4	0.05	-0.75	-0.69	-0.65	-0.62	-0.56	4308	1.0
y_predicted[39]	-0.51	7.9e-4	0.04	-0.59	-0.54	-0.51	-0.48	-0.43	2656	1.0
y_predicted[40]	-1.7e-3	5.2e-4	0.03	-0.06	-0.02	-2.2e-3	0.02	0.06	3577	1.0
y_predicted[41]	-0.36	4.7e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	2945	1.0
y_predicted[42]	-0.4	3.4e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	3162	1.0
y_predicted[43]	0.29	4.7e-4	0.03	0.23	0.27	0.29	0.3	0.34	3389	1.0
y_predicted[44]	-0.11	3.6e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	3546	1.0
y_predicted[45]	-0.32	5.3e-4	0.03	-0.37	-0.34	-0.32	-0.3	-0.27	2453	1.0

y_predicted[46]	-0.42	3.4e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.38	3328	1.0
y_predicted[47]	0.76	8.8e-4	0.06	0.64	0.72	0.76	0.8	0.87	4550	1.0
y_predicted[48]	-0.63	5.4e-4	0.03	-0.7	-0.65	-0.63	-0.61	-0.56	4097	1.0
y_predicted[49]	-0.16	3.6e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.12	3124	1.0
y_predicted[50]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	3082	1.0
y_predicted[51]	-0.26	3.2e-4	0.02	-0.3	-0.27	-0.26	-0.25	-0.22	3770	1.0
y_predicted[52]	-0.6	4.5e-4	0.03	-0.65	-0.62	-0.6	-0.58	-0.54	3799	1.0
y_predicted[53]	-0.59	4.2e-4	0.03	-0.64	-0.61	-0.59	-0.57	-0.54	4302	1.0
y_predicted[54]	0.33	5.6e-4	0.04	0.25	0.3	0.33	0.35	0.4	4459	1.0
y_predicted[55]	-0.11	3.6e-4	0.02	-0.15	-0.12	-0.11	-0.1	-0.07	3100	1.0
y_predicted[56]	-0.43	5.5e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	2894	1.0
y_predicted[57]	-0.44	4.8e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.38	3749	1.0
y_predicted[58]	0.41	4.2e-4	0.03	0.36	0.39	0.41	0.43	0.46	3851	1.0
y_predicted[59]	-0.07	3.8e-4	0.02	-0.11	-0.09	-0.07	-0.06	-0.03	3031	1.0
y_predicted[60]	0.39	5.6e-4	0.04	0.31	0.36	0.39	0.41	0.45	4099	1.0
y_predicted[61]	-0.02	4.4e-4	0.02	-0.07	-0.04	-0.02	-3.7e-3	0.03	3074	1.0
y_predicted[62]	-0.52	7.8e-4	0.04	-0.6	-0.55	-0.53	-0.5	-0.45	2649	1.0
y_predicted[63]	-0.31	5.1e-4	0.03	-0.37	-0.34	-0.31	-0.29	-0.25	3774	1.0
y_predicted[64]	0.21	5.1e-4	0.03	0.14	0.19	0.21	0.23	0.27	4061	1.0
y_predicted[65]	-0.35	4.2e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.3	3246	1.0
y_predicted[66]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	2867	1.0
y_predicted[67]	0.73	4.6e-4	0.03	0.67	0.71	0.73	0.75	0.79	4018	1.0
y_predicted[68]	0.87	8.7e-4	0.06	0.76	0.83	0.87	0.91	0.98	4310	1.0
y_predicted[69]	0.61	4.6e-4	0.03	0.55	0.59	0.61	0.63	0.67	4260	1.0
y_predicted[70]	0.71	6.5e-4	0.04	0.63	0.68	0.71	0.74	0.8	4484	1.0
y_predicted[71]	0.31	4.5e-4	0.03	0.26	0.3	0.31	0.33	0.37	3619	1.0
y_predicted[72]	-0.41	3.3e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	3003	1.0
y_predicted[73]	-0.07	4.5e-4	0.02	-0.12	-0.08	-0.07	-0.05	-0.02	2984	1.0
y_predicted[74]	-0.42	3.1e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3211	1.0
y_predicted[75]	-0.17	4.2e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3837	1.0
y_predicted[76]	-0.13	3.5e-4	0.02	-0.17	-0.15	-0.13	-0.12	-0.09	3323	1.0
y_predicted[77]	0.25	4.7e-4	0.03	0.19	0.23	0.25	0.27	0.31	4134	1.0
y_predicted[78]	0.14	5.4e-4	0.03	0.08	0.12	0.14	0.16	0.19	2820	1.0
y_predicted[79]	-0.3	3.4e-4	0.02	-0.34	-0.31	-0.3	-0.28	-0.26	3446	1.0
y_predicted[80]	-0.43	2.7e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.4	4284	1.0
y_predicted[81]	-0.65	5.1e-4	0.03	-0.72	-0.67	-0.65	-0.63	-0.59	4096	1.0
y_predicted[82]	-0.57	5.5e-4	0.03	-0.63	-0.59	-0.57	-0.54	-0.5	3490	1.0
y_predicted[83]	-0.54	6.7e-4	0.04	-0.61	-0.57	-0.54	-0.52	-0.47	2809	1.0
y_predicted[84]	0.11	5.9e-4	0.03	0.04	0.09	0.11	0.14	0.18	3480	1.0
y_predicted[85]	-0.45	4.6e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.4	3733	1.0
y_predicted[86]	3.55	2.1e-3	0.12	3.32	3.47	3.55	3.63	3.79	3141	1.0
y_predicted[87]	-0.63	5.2e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	3407	1.0
y_predicted[88]	-0.2	7.3e-4	0.04	-0.28	-0.23	-0.2	-0.17	-0.12	3278	1.0
y_predicted[89]	-0.5	4.7e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.44	4640	1.0
y_predicted[90]	0.22	6.3e-4	0.04	0.15	0.19	0.22	0.24	0.29	3359	1.0
y_predicted[91]	1.91	8.7e-4	0.06	1.79	1.87	1.91	1.94	2.02	4315	1.0
y_predicted[92]	-0.12	4.7e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	2795	1.0
y_predicted[93]	0.59	7.6e-4	0.05	0.49	0.56	0.59	0.62	0.68	4208	1.0

y_predicted[94]	0.16	4.5e-4	0.02	0.11	0.14	0.16	0.18	0.21	2986	1.0
y_predicted[95]	1.74	7.3e-4	0.04	1.66	1.71	1.74	1.77	1.83	3812	1.0
y_predicted[96]	0.3	5.6e-4	0.03	0.24	0.28	0.3	0.32	0.36	2953	1.0
y_predicted[97]	-0.13	4.4e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	3616	1.0
y_predicted[98]	-0.14	3.6e-4	0.02	-0.17	-0.15	-0.14	-0.12	-0.1	3037	1.0
y_predicted[99]	-0.48	5.7e-4	0.04	-0.55	-0.5	-0.48	-0.45	-0.41	4017	1.0
y_predicted[100]	0.38	5.1e-4	0.03	0.32	0.36	0.38	0.4	0.45	4193	1.0
y_predicted[101]	-0.58	5.1e-4	0.03	-0.63	-0.6	-0.58	-0.55	-0.52	3375	1.0
y_predicted[102]	1.58	7.8e-4	0.05	1.48	1.54	1.58	1.61	1.67	3978	1.0
y_predicted[103]	-9.5e-3	5.2e-4	0.03	-0.07	-0.03	-9.2e-3	0.01	0.05	3105	1.0
y_predicted[104]	0.06	4.4e-4	0.03	9.4e-3	0.04	0.06	0.08	0.11	3571	1.0
y_predicted[105]	0.11	4.7e-4	0.03	0.06	0.1	0.12	0.13	0.17	3791	1.0
y_predicted[106]	-0.18	5.5e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	3323	1.0
y_predicted[107]	0.05	6.1e-4	0.03	-0.02	0.03	0.05	0.07	0.11	2759	1.0
y_predicted[108]	-0.54	4.4e-4	0.03	-0.59	-0.56	-0.54	-0.51	-0.48	4633	1.0
y_predicted[109]	0.35	6.7e-4	0.05	0.26	0.32	0.35	0.39	0.44	4812	1.0
y_predicted[110]	-7.2e-3	7.0e-4	0.04	-0.08	-0.03	-6.7e-3	0.02	0.06	2684	1.0
y_predicted[111]	-0.43	3.1e-4	0.02	-0.46	-0.44	-0.43	-0.41	-0.39	3392	1.0
y_predicted[112]	-0.34	4.3e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.3	2728	1.0
y_predicted[113]	0.06	5.8e-4	0.03	4.2e-3	0.04	0.06	0.08	0.12	2577	1.0
y_predicted[114]	3.6	2.1e-3	0.12	3.37	3.53	3.61	3.68	3.84	3137	1.0
y_predicted[115]	2.21	1.1e-3	0.07	2.07	2.16	2.21	2.26	2.35	3998	1.0
y_predicted[116]	0.38	4.2e-4	0.03	0.33	0.36	0.38	0.4	0.43	3807	1.0
y_predicted[117]	0.34	4.5e-4	0.03	0.29	0.32	0.34	0.36	0.39	3563	1.0
y_predicted[118]	-0.3	5.6e-4	0.03	-0.36	-0.32	-0.3	-0.28	-0.24	3253	1.0
y_predicted[119]	0.42	4.2e-4	0.03	0.36	0.4	0.42	0.43	0.47	3880	1.0
y_predicted[120]	-0.31	3.4e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3438	1.0
y_predicted[121]	1.2	1.9e-3	0.12	0.95	1.11	1.2	1.28	1.44	4408	1.0
y_predicted[122]	-0.47	6.1e-4	0.04	-0.54	-0.49	-0.47	-0.44	-0.39	3956	1.0
y_predicted[123]	-0.13	3.8e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.09	2843	1.0
y_predicted[124]	0.31	4.5e-4	0.03	0.26	0.29	0.31	0.33	0.36	3492	1.0
y_predicted[125]	-0.09	3.7e-4	0.02	-0.13	-0.1	-0.09	-0.08	-0.05	2979	1.0
y_predicted[126]	0.01	4.6e-4	0.03	-0.04	-4.9e-3	0.01	0.03	0.06	3360	1.0
y_predicted[127]	0.52	4.5e-4	0.03	0.47	0.5	0.52	0.54	0.58	4228	1.0
y_predicted[128]	-0.28	9.1e-4	0.06	-0.4	-0.32	-0.28	-0.24	-0.16	4183	1.0
y_predicted[129]	-0.14	3.9e-4	0.02	-0.18	-0.15	-0.14	-0.13	-0.1	2797	1.0
y_predicted[130]	-0.65	4.8e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.59	3783	1.0
y_predicted[131]	-0.16	3.8e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.12	2977	1.0
y_predicted[132]	-0.15	4.5e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	3391	1.0
y_predicted[133]	0.11	4.1e-4	0.02	0.07	0.1	0.11	0.13	0.16	3024	1.0
y_predicted[134]	0.18	5.5e-4	0.03	0.12	0.16	0.18	0.2	0.24	3332	1.0
y_predicted[135]	0.12	4.6e-4	0.03	0.06	0.1	0.12	0.14	0.18	3862	1.0
y_predicted[136]	0.16	3.7e-4	0.02	0.12	0.15	0.16	0.17	0.2	3452	1.0
y_predicted[137]	-0.06	3.8e-4	0.02	-0.1	-0.08	-0.06	-0.05	-0.02	3056	1.0
y_predicted[138]	0.37	8.0e-4	0.05	0.27	0.33	0.37	0.4	0.47	3884	1.0
y_predicted[139]	0.28	4.9e-4	0.03	0.23	0.26	0.28	0.3	0.34	3390	1.0
y_predicted[140]	-0.57	4.6e-4	0.03	-0.62	-0.59	-0.57	-0.55	-0.51	3848	1.0
y_predicted[141]	-0.34	5.6e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	3208	1.0

y_predicted[142]	-0.14	5.1e-4	0.03	-0.2	-0.17	-0.14	-0.12	-0.09	3608	1.0
y_predicted[143]	-0.33	3.3e-4	0.02	-0.37	-0.34	-0.33	-0.32	-0.29	3194	1.0
y_predicted[144]	-0.33	4.4e-4	0.02	-0.38	-0.34	-0.33	-0.31	-0.28	3122	1.0
y_predicted[145]	-0.22	4.4e-4	0.02	-0.27	-0.24	-0.22	-0.21	-0.17	3218	1.0
y_predicted[146]	-0.2	4.5e-4	0.03	-0.25	-0.21	-0.2	-0.18	-0.14	3368	1.0
y_predicted[147]	0.69	9.8e-4	0.07	0.55	0.64	0.69	0.73	0.82	4959	1.0
y_predicted[148]	0.47	4.2e-4	0.03	0.41	0.45	0.47	0.48	0.52	4002	1.0
y_predicted[149]	-0.42	3.1e-4	0.02	-0.46	-0.44	-0.42	-0.41	-0.39	3376	1.0
y_predicted[150]	0.58	4.8e-4	0.03	0.52	0.56	0.58	0.61	0.65	4395	1.0
y_predicted[151]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.4	3344	1.0
y_predicted[152]	-0.37	4.3e-4	0.02	-0.42	-0.39	-0.37	-0.35	-0.32	3114	1.0
y_predicted[153]	-0.21	4.4e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.16	3560	1.0
y_predicted[154]	2.44	1.2e-3	0.07	2.29	2.39	2.44	2.49	2.58	3760	1.0
y_predicted[155]	-0.3	5.3e-4	0.03	-0.36	-0.32	-0.3	-0.29	-0.25	2536	1.0
y_predicted[156]	2.15	1.1e-3	0.07	2.0	2.1	2.15	2.2	2.29	4239	1.0
y_predicted[157]	2.6	1.3e-3	0.08	2.44	2.54	2.6	2.65	2.75	3518	1.0
y_predicted[158]	-0.14	4.5e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	2956	1.0
y_predicted[159]	-0.11	4.4e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	2744	1.0
y_predicted[160]	5.37	1.5e-3	0.1	5.19	5.3	5.37	5.44	5.56	3961	1.0
y_predicted[161]	-0.35	4.4e-4	0.02	-0.4	-0.36	-0.35	-0.33	-0.3	3015	1.0
y_predicted[162]	-0.45	3.7e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	3758	1.0
y_predicted[163]	-0.42	3.3e-4	0.02	-0.45	-0.43	-0.42	-0.41	-0.38	3124	1.0
y_predicted[164]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3734	1.0
y_predicted[165]	-0.44	3.2e-4	0.02	-0.47	-0.45	-0.44	-0.42	-0.4	3647	1.0
y_predicted[166]	0.58	4.8e-4	0.03	0.52	0.56	0.58	0.61	0.65	4395	1.0
y_predicted[167]	-0.37	4.3e-4	0.02	-0.42	-0.39	-0.37	-0.35	-0.32	3105	1.0
y_predicted[168]	-0.16	7.1e-4	0.03	-0.23	-0.19	-0.16	-0.14	-0.09	2408	1.0
y_predicted[169]	-0.19	5.9e-4	0.04	-0.26	-0.21	-0.19	-0.16	-0.12	3546	1.0
y_predicted[170]	-0.37	4.4e-4	0.02	-0.42	-0.39	-0.37	-0.35	-0.32	2958	1.0
y_predicted[171]	-0.4	3.4e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3360	1.0
y_predicted[172]	0.76	7.8e-4	0.05	0.66	0.73	0.77	0.8	0.87	4793	1.0
y_predicted[173]	0.95	1.0e-3	0.06	0.83	0.91	0.95	0.99	1.08	4037	1.0
y_predicted[174]	-0.2	5.7e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	2798	1.0
y_predicted[175]	0.04	4.3e-4	0.03	-5.2e-3	0.03	0.04	0.06	0.09	3516	1.0
y_predicted[176]	-0.4	3.5e-4	0.02	-0.44	-0.41	-0.4	-0.39	-0.36	2857	1.0
y_predicted[177]	-0.15	3.6e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.11	3138	1.0
y_predicted[178]	-0.21	4.9e-4	0.03	-0.27	-0.23	-0.21	-0.2	-0.16	2804	1.0
y_predicted[179]	-0.62	4.3e-4	0.03	-0.67	-0.64	-0.62	-0.6	-0.57	3951	1.0
y_predicted[180]	-0.13	4.6e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	2783	1.0
y_predicted[181]	-0.51	6.2e-4	0.04	-0.58	-0.53	-0.51	-0.48	-0.43	3510	1.0
y_predicted[182]	0.76	4.1e-4	0.03	0.71	0.74	0.76	0.77	0.81	3796	1.0
y_predicted[183]	-0.02	4.0e-4	0.03	-0.07	-0.04	-0.02	-3.8e-3	0.03	4218	1.0
y_predicted[184]	0.45	4.3e-4	0.03	0.4	0.44	0.45	0.47	0.51	4100	1.0
y_predicted[185]	-0.16	4.1e-4	0.02	-0.21	-0.18	-0.16	-0.14	-0.11	3574	1.0
y_predicted[186]	0.01	5.4e-4	0.03	-0.05	-7.6e-3	0.01	0.04	0.08	3427	1.0
y_predicted[187]	0.28	5.1e-4	0.03	0.22	0.26	0.28	0.3	0.34	3437	1.0
y_predicted[188]	-0.35	2.6e-4	0.02	-0.38	-0.36	-0.35	-0.34	-0.32	4144	1.0
y_predicted[189]	-0.43	3.5e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	3809	1.0

y_predicted[190]	-0.37	5.5e-4	0.03	-0.43	-0.39	-0.37	-0.36	-0.32	2507	1.0
y_predicted[191]	0.65	7.3e-4	0.05	0.55	0.62	0.65	0.68	0.74	4397	1.0
y_predicted[192]	-0.38	3.9e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	3308	1.0
y_predicted[193]	-0.14	6.3e-4	0.03	-0.21	-0.17	-0.14	-0.12	-0.08	2953	1.0
y_predicted[194]	-0.29	3.4e-4	0.02	-0.33	-0.31	-0.29	-0.28	-0.26	3406	1.0
y_predicted[195]	2.08	1.0e-3	0.06	1.95	2.03	2.08	2.12	2.2	4125	1.0
y_predicted[196]	-0.01	4.2e-4	0.02	-0.06	-0.03	-0.01	6.0e-3	0.03	3239	1.0
y_predicted[197]	0.22	5.2e-4	0.03	0.15	0.19	0.22	0.24	0.28	4064	1.0
y_predicted[198]	-0.17	3.8e-4	0.02	-0.21	-0.18	-0.17	-0.16	-0.13	3131	1.0
y_predicted[199]	-0.2	6.3e-4	0.04	-0.27	-0.23	-0.2	-0.18	-0.13	3434	1.0
y_predicted[200]	-0.41	3.4e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	2911	1.0
loglik_pred[1]	-0.72	1.5e-3	0.1	-0.93	-0.78	-0.71	-0.65	-0.55	4292	1.0
loglik_pred[2]	-0.31	2.7e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3808	1.0
loglik_pred[3]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.29	3763	1.0
loglik_pred[4]	-0.34	3.1e-4	0.02	-0.38	-0.35	-0.34	-0.32	-0.3	4096	1.0
loglik_pred[5]	-0.73	9.4e-4	0.07	-0.86	-0.77	-0.73	-0.68	-0.61	4743	1.0
loglik_pred[6]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.28	3784	1.0
loglik_pred[7]	-0.63	6.8e-4	0.04	-0.7	-0.65	-0.62	-0.6	-0.56	2956	1.0
loglik_pred[8]	-0.36	3.4e-4	0.02	-0.4	-0.38	-0.36	-0.35	-0.33	3549	1.0
loglik_pred[9]	-0.73	7.5e-4	0.04	-0.82	-0.76	-0.73	-0.7	-0.64	3366	1.0
loglik_pred[10]	-1.56	1.7e-3	0.1	-1.76	-1.62	-1.56	-1.49	-1.38	3280	1.0
loglik_pred[11]	-0.95	1.6e-3	0.1	-1.16	-1.02	-0.94	-0.88	-0.76	4337	1.0
loglik_pred[12]	-0.4	4.2e-4	0.03	-0.46	-0.42	-0.4	-0.39	-0.36	3749	1.0
loglik_pred[13]	-0.39	4.8e-4	0.03	-0.46	-0.41	-0.39	-0.37	-0.34	4236	1.0
loglik_pred[14]	-0.35	3.1e-4	0.02	-0.38	-0.36	-0.35	-0.33	-0.31	3528	1.0
loglik_pred[15]	-0.55	6.7e-4	0.04	-0.63	-0.57	-0.55	-0.52	-0.48	3242	1.0
loglik_pred[16]	-0.36	4.0e-4	0.02	-0.41	-0.37	-0.36	-0.34	-0.31	3969	1.0
loglik_pred[17]	-0.37	3.2e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.33	3789	1.0
loglik_pred[18]	-0.41	4.0e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.36	4494	1.0
loglik_pred[19]	-0.37	4.1e-4	0.03	-0.42	-0.39	-0.37	-0.35	-0.32	3872	1.0
loglik_pred[20]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	3707	1.0
loglik_pred[21]	-0.35	2.9e-4	0.02	-0.38	-0.36	-0.35	-0.33	-0.31	3742	1.0
loglik_pred[22]	-0.56	1.1e-3	0.07	-0.73	-0.61	-0.56	-0.51	-0.43	4666	1.0
loglik_pred[23]	-0.37	3.8e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3704	1.0
loglik_pred[24]	-0.41	5.0e-4	0.03	-0.47	-0.43	-0.41	-0.4	-0.36	2894	1.0
loglik_pred[25]	-0.66	7.0e-4	0.04	-0.75	-0.69	-0.66	-0.64	-0.58	3668	1.0
loglik_pred[26]	-0.46	3.6e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	3746	1.0
loglik_pred[27]	-0.35	3.5e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.31	3811	1.0
loglik_pred[28]	-0.32	3.1e-4	0.02	-0.36	-0.34	-0.32	-0.31	-0.29	3436	1.0
loglik_pred[29]	-1.36	1.7e-3	0.1	-1.57	-1.43	-1.36	-1.29	-1.17	3816	1.0
loglik_pred[30]	-0.36	3.9e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	3774	1.0
loglik_pred[31]	-0.32	2.9e-4	0.02	-0.36	-0.34	-0.32	-0.31	-0.29	3899	1.0
loglik_pred[32]	-0.35	3.4e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	3992	1.0
loglik_pred[33]	-0.35	4.5e-4	0.03	-0.4	-0.36	-0.34	-0.33	-0.3	3318	1.0
loglik_pred[34]	-0.56	5.3e-4	0.03	-0.62	-0.58	-0.56	-0.54	-0.5	3116	1.0
loglik_pred[35]	-0.71	1.5e-3	0.1	-0.92	-0.77	-0.7	-0.64	-0.53	4437	1.0
loglik_pred[36]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.29	3840	1.0
loglik_pred[37]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.29	3810	1.0

loglik_pred[38]	-1.58	1.1e-3	0.07	-1.7	-1.62	-1.58	-1.53	-1.45	3330	1.0
loglik_pred[39]	-2.62	2.0e-3	0.13	-2.88	-2.7	-2.62	-2.54	-2.38	3921	1.0
loglik_pred[40]	-0.54	7.1e-4	0.04	-0.63	-0.57	-0.54	-0.51	-0.46	3378	1.0
loglik_pred[41]	-1.28	2.2e-3	0.15	-1.59	-1.38	-1.28	-1.18	-1.01	4725	1.0
loglik_pred[42]	-1.27	1.0e-3	0.06	-1.38	-1.3	-1.26	-1.23	-1.16	2903	1.0
loglik_pred[43]	-0.42	3.3e-4	0.02	-0.47	-0.44	-0.42	-0.41	-0.39	3713	1.0
loglik_pred[44]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	3734	1.0
loglik_pred[45]	-0.43	5.2e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	3166	1.0
loglik_pred[46]	-2.39	1.4e-3	0.09	-2.57	-2.45	-2.39	-2.33	-2.22	3782	1.0
loglik_pred[47]	-0.65	6.5e-4	0.04	-0.74	-0.68	-0.65	-0.63	-0.58	4126	1.0
loglik_pred[48]	-0.39	3.8e-4	0.02	-0.44	-0.4	-0.39	-0.37	-0.34	3702	1.0
loglik_pred[49]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	3797	1.0
loglik_pred[50]	-0.42	5.0e-4	0.03	-0.49	-0.44	-0.42	-0.4	-0.37	3595	1.0
loglik_pred[51]	-0.35	3.1e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.31	3514	1.0
loglik_pred[52]	-0.33	3.3e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.3	3956	1.0
loglik_pred[53]	-0.56	6.5e-4	0.04	-0.64	-0.58	-0.56	-0.53	-0.48	3519	1.0
loglik_pred[54]	-0.36	3.7e-4	0.02	-0.41	-0.37	-0.36	-0.34	-0.32	3793	1.0
loglik_pred[55]	-0.5	8.6e-4	0.05	-0.62	-0.54	-0.5	-0.47	-0.41	3699	1.0
loglik_pred[56]	-1.51	1.3e-3	0.09	-1.68	-1.57	-1.51	-1.45	-1.35	4282	1.0
loglik_pred[57]	-0.32	3.0e-4	0.02	-0.36	-0.34	-0.32	-0.31	-0.29	4061	1.0
loglik_pred[58]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.28	3664	1.0
loglik_pred[59]	-4.34	4.7e-3	0.3	-4.95	-4.54	-4.34	-4.14	-3.77	4073	1.0
loglik_pred[60]	-0.32	3.1e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	3409	1.0
loglik_pred[61]	-0.4	5.0e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.35	2926	1.0
loglik_pred[62]	-0.6	7.0e-4	0.04	-0.69	-0.63	-0.6	-0.57	-0.52	3667	1.0
loglik_pred[63]	-0.66	6.2e-4	0.03	-0.72	-0.68	-0.65	-0.63	-0.59	2816	1.0
loglik_pred[64]	-0.38	4.0e-4	0.02	-0.43	-0.39	-0.37	-0.36	-0.33	3749	1.0
loglik_pred[65]	-1.12	2.0e-3	0.12	-1.36	-1.2	-1.11	-1.03	-0.9	3441	1.0
loglik_pred[66]	-0.33	3.6e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	3875	1.0
loglik_pred[67]	-0.85	9.6e-4	0.06	-0.97	-0.89	-0.85	-0.82	-0.75	3492	1.0
loglik_pred[68]	-0.47	3.4e-3	0.2	-1.02	-0.53	-0.4	-0.33	-0.29	3362	1.0
loglik_pred[69]	-0.32	2.8e-4	0.02	-0.36	-0.33	-0.32	-0.31	-0.29	3921	1.0
loglik_pred[70]	-0.39	3.7e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	3747	1.0
loglik_pred[71]	-0.42	5.0e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.36	3868	1.0
loglik_pred[72]	-0.46	4.1e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	3185	1.0
loglik_pred[73]	-0.35	4.3e-4	0.02	-0.4	-0.37	-0.35	-0.33	-0.31	3007	1.0
loglik_pred[74]	-0.92	9.4e-4	0.06	-1.04	-0.96	-0.91	-0.87	-0.8	4061	1.0
loglik_pred[75]	-0.42	4.6e-4	0.03	-0.47	-0.43	-0.42	-0.4	-0.36	3713	1.0
loglik_pred[76]	-0.73	8.4e-4	0.05	-0.82	-0.75	-0.72	-0.69	-0.64	2870	1.0
loglik_pred[77]	-0.41	4.1e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.36	3701	1.0
loglik_pred[78]	-0.32	2.9e-4	0.02	-0.36	-0.34	-0.32	-0.31	-0.29	3633	1.0
loglik_pred[79]	-0.31	2.7e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3886	1.0
loglik_pred[80]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.28	3825	1.0
loglik_pred[81]	-0.45	5.5e-4	0.03	-0.51	-0.47	-0.45	-0.42	-0.39	3554	1.0
loglik_pred[82]	-0.61	8.5e-4	0.05	-0.72	-0.65	-0.61	-0.58	-0.52	3590	1.0
loglik_pred[83]	-0.44	7.9e-4	0.04	-0.53	-0.47	-0.44	-0.41	-0.36	2862	1.0
loglik_pred[84]	-0.39	4.3e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.34	4109	1.0
loglik_pred[85]	-2.52	5.2e-3	0.32	-3.16	-2.73	-2.5	-2.29	-1.96	3725	1.0

loglik_pred[86]	-0.4	4.9e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	3507	1.0
loglik_pred[87]	-0.57	5.3e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.51	3163	1.0
loglik_pred[88]	-0.32	2.8e-4	0.02	-0.36	-0.33	-0.32	-0.31	-0.29	3684	1.0
loglik_pred[89]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.28	3608	1.0
loglik_pred[90]	-1.79	2.4e-3	0.15	-2.09	-1.88	-1.78	-1.69	-1.5	4105	1.0
loglik_pred[91]	-0.36	3.7e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.32	3630	1.0
loglik_pred[92]	-0.36	3.3e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.32	3524	1.0
loglik_pred[93]	-0.35	4.1e-4	0.02	-0.4	-0.36	-0.35	-0.33	-0.3	3710	1.0
loglik_pred[94]	-0.37	5.1e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.32	3272	1.0
loglik_pred[95]	-0.5	4.5e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	3076	1.0
loglik_pred[96]	-0.91	1.3e-3	0.07	-1.04	-0.95	-0.9	-0.86	-0.79	2620	1.0
loglik_pred[97]	-0.34	3.0e-4	0.02	-0.37	-0.35	-0.34	-0.32	-0.3	3723	1.0
loglik_pred[98]	-1.25	1.6e-3	0.09	-1.45	-1.31	-1.25	-1.19	-1.07	3386	1.0
loglik_pred[99]	-0.48	5.5e-4	0.03	-0.55	-0.5	-0.48	-0.46	-0.42	3704	1.0
loglik_pred[100]	-4.19	6.2e-3	0.43	-5.05	-4.47	-4.17	-3.89	-3.38	4850	1.0
loglik_pred[101]	-0.62	5.9e-4	0.04	-0.69	-0.64	-0.62	-0.6	-0.55	3764	1.0
loglik_pred[102]	-0.56	1.1e-3	0.07	-0.71	-0.61	-0.56	-0.51	-0.45	3789	1.0
loglik_pred[103]	-0.32	2.7e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3872	1.0
loglik_pred[104]	-0.33	2.9e-4	0.02	-0.36	-0.34	-0.33	-0.31	-0.29	3585	1.0
loglik_pred[105]	-0.39	5.0e-4	0.03	-0.45	-0.41	-0.39	-0.38	-0.35	2658	1.0
loglik_pred[106]	-0.62	5.9e-4	0.04	-0.69	-0.65	-0.62	-0.6	-0.56	3540	1.0
loglik_pred[107]	-0.39	3.5e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.35	3658	1.0
loglik_pred[108]	-0.96	1.1e-3	0.08	-1.13	-1.02	-0.96	-0.91	-0.82	4740	1.0
loglik_pred[109]	-0.39	3.8e-4	0.02	-0.44	-0.4	-0.39	-0.37	-0.35	3843	1.0
loglik_pred[110]	-0.37	3.3e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.33	3747	1.0
loglik_pred[111]	-0.35	3.2e-4	0.02	-0.38	-0.36	-0.35	-0.33	-0.31	3717	1.0
loglik_pred[112]	-0.38	4.7e-4	0.03	-0.43	-0.39	-0.38	-0.36	-0.33	3364	1.0
loglik_pred[113]	-0.32	2.9e-4	0.02	-0.36	-0.33	-0.32	-0.31	-0.28	3764	1.0
loglik_pred[114]	-0.38	3.5e-4	0.02	-0.42	-0.4	-0.38	-0.37	-0.34	3426	1.0
loglik_pred[115]	-0.42	4.0e-4	0.02	-0.47	-0.43	-0.42	-0.4	-0.38	3107	1.0
loglik_pred[116]	-0.33	3.1e-4	0.02	-0.37	-0.34	-0.33	-0.32	-0.29	3533	1.0
loglik_pred[117]	-0.35	3.2e-4	0.02	-0.39	-0.36	-0.35	-0.34	-0.31	4206	1.0
loglik_pred[118]	-0.48	7.6e-4	0.04	-0.55	-0.5	-0.47	-0.45	-0.41	2415	1.0
loglik_pred[119]	-0.68	8.5e-4	0.05	-0.79	-0.72	-0.68	-0.64	-0.58	4063	1.0
loglik_pred[120]	-0.47	3.8e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.43	3199	1.0
loglik_pred[121]	-0.36	3.5e-4	0.02	-0.4	-0.37	-0.36	-0.35	-0.32	3452	1.0
loglik_pred[122]	-0.39	3.8e-4	0.02	-0.44	-0.41	-0.39	-0.37	-0.35	3776	1.0
loglik_pred[123]	-0.34	4.6e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.3	2607	1.0
loglik_pred[124]	-0.36	3.8e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.32	3468	1.0
loglik_pred[125]	-0.34	3.0e-4	0.02	-0.38	-0.35	-0.34	-0.33	-0.3	4042	1.0
loglik_pred[126]	-0.5	4.6e-4	0.02	-0.55	-0.51	-0.5	-0.48	-0.45	2982	1.0
loglik_pred[127]	-0.96	1.7e-3	0.1	-1.17	-1.03	-0.96	-0.89	-0.78	3291	1.0
loglik_pred[128]	-0.5	5.8e-4	0.04	-0.58	-0.53	-0.5	-0.48	-0.43	4290	1.0
loglik_pred[129]	-0.37	4.0e-4	0.03	-0.42	-0.38	-0.37	-0.35	-0.32	4016	1.0
loglik_pred[130]	-0.53	7.3e-4	0.04	-0.61	-0.55	-0.53	-0.5	-0.45	3255	1.0
loglik_pred[131]	-0.88	7.8e-4	0.05	-0.97	-0.91	-0.88	-0.85	-0.79	3885	1.0
loglik_pred[132]	-2.23	1.8e-3	0.12	-2.47	-2.31	-2.23	-2.15	-2.0	4239	1.0
loglik_pred[133]	-2.66	5.2e-3	0.35	-3.4	-2.9	-2.65	-2.41	-2.01	4671	1.0

loglik_pred[134]	-0.47	4.7e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.42	3157	1.0
loglik_pred[135]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.28	3652	1.0
loglik_pred[136]	-0.32	3.6e-4	0.02	-0.37	-0.33	-0.32	-0.31	-0.29	3355	1.0
loglik_pred[137]	-0.34	4.6e-4	0.03	-0.4	-0.35	-0.33	-0.32	-0.29	3416	1.0
loglik_pred[138]	-0.31	2.8e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3766	1.0
loglik_pred[139]	-0.84	1.3e-3	0.08	-1.02	-0.9	-0.84	-0.79	-0.69	4235	1.0
loglik_pred[140]	-0.34	3.3e-4	0.02	-0.37	-0.35	-0.33	-0.32	-0.3	3478	1.0
loglik_pred[141]	-0.62	7.1e-4	0.04	-0.71	-0.64	-0.61	-0.59	-0.54	3585	1.0
loglik_pred[142]	-8.97	9.1e-3	0.54	-10.07	-9.34	-8.96	-8.6	-7.96	3464	1.0
loglik_pred[143]	-0.43	3.7e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	3520	1.0
loglik_pred[144]	-0.35	3.7e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.31	3753	1.0
loglik_pred[145]	-0.54	7.0e-4	0.04	-0.62	-0.56	-0.54	-0.51	-0.46	3242	1.0
loglik_pred[146]	-0.32	3.4e-4	0.02	-0.36	-0.33	-0.32	-0.31	-0.29	3321	1.0
loglik_pred[147]	-0.48	6.0e-4	0.03	-0.55	-0.5	-0.48	-0.46	-0.42	2977	1.0
loglik_pred[148]	-0.56	5.6e-4	0.03	-0.63	-0.58	-0.56	-0.54	-0.5	3751	1.0
loglik_pred[149]	-0.31	2.7e-4	0.02	-0.35	-0.32	-0.31	-0.3	-0.28	3800	1.0
loglik_pred[150]	-0.45	3.7e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	3894	1.0
loglik_pred[151]	-0.51	6.2e-4	0.04	-0.6	-0.54	-0.51	-0.49	-0.44	3786	1.0
loglik_pred[152]	-0.53	4.2e-4	0.03	-0.58	-0.55	-0.53	-0.51	-0.48	3866	1.0
loglik_pred[153]	-0.33	2.9e-4	0.02	-0.36	-0.34	-0.33	-0.31	-0.29	3867	1.0
loglik_pred[154]	-7.86	9.4e-3	0.58	-9.02	-8.25	-7.84	-7.46	-6.76	3745	1.0
loglik_pred[155]	-11.69	7.2e-3	0.43	-12.54	-11.98	-11.68	-11.4	-10.82	3667	1.0
loglik_pred[156]	-0.35	4.5e-4	0.03	-0.42	-0.37	-0.35	-0.33	-0.3	4066	1.0
loglik_pred[157]	-0.76	7.7e-4	0.04	-0.85	-0.79	-0.76	-0.74	-0.69	2994	1.0
loglik_pred[158]	-0.36	3.4e-4	0.02	-0.4	-0.38	-0.36	-0.35	-0.32	3945	1.0
loglik_pred[159]	-0.4	3.6e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3860	1.0
loglik_pred[160]	-0.38	5.7e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	2626	1.0
loglik_pred[161]	-0.31	2.8e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3660	1.0
loglik_pred[162]	-0.53	4.8e-4	0.03	-0.59	-0.55	-0.53	-0.52	-0.48	3041	1.0
loglik_pred[163]	-0.45	4.6e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.39	3788	1.0
loglik_pred[164]	-2.16	1.5e-3	0.09	-2.34	-2.22	-2.16	-2.11	-2.0	3426	1.0
loglik_pred[165]	-0.31	2.7e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3807	1.0
loglik_pred[166]	-0.37	3.2e-4	0.02	-0.4	-0.38	-0.37	-0.35	-0.33	3492	1.0
loglik_pred[167]	-0.38	3.7e-4	0.02	-0.42	-0.39	-0.38	-0.37	-0.34	3108	1.0
loglik_pred[168]	-0.46	4.1e-4	0.03	-0.51	-0.48	-0.46	-0.45	-0.42	3973	1.0
loglik_pred[169]	-2.24	2.8e-3	0.15	-2.54	-2.34	-2.24	-2.14	-1.96	2888	1.0
loglik_pred[170]	-0.39	3.0e-4	0.02	-0.42	-0.4	-0.39	-0.38	-0.35	3659	1.0
loglik_pred[171]	-0.83	1.2e-3	0.07	-0.97	-0.87	-0.83	-0.78	-0.7	3438	1.0
loglik_pred[172]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.29	3746	1.0
loglik_pred[173]	-0.42	3.9e-4	0.02	-0.47	-0.43	-0.42	-0.4	-0.37	3670	1.0
loglik_pred[174]	-0.31	2.7e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3807	1.0
loglik_pred[175]	-0.45	3.6e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.41	3290	1.0
loglik_pred[176]	-1.64	1.3e-3	0.07	-1.78	-1.69	-1.64	-1.59	-1.51	3136	1.0
loglik_pred[177]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3631	1.0
loglik_pred[178]	-0.44	4.9e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.39	3435	1.0
loglik_pred[179]	-0.32	2.9e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.29	3589	1.0
loglik_pred[180]	-0.75	2.0e-3	0.14	-1.05	-0.83	-0.74	-0.64	-0.5	5167	1.0
loglik_pred[181]	-0.49	5.5e-4	0.03	-0.55	-0.51	-0.49	-0.46	-0.43	3072	1.0

loglik_pred[182]	-0.46	4.9e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3745	1.0
loglik_pred[183]	-0.78	1.4e-3	0.09	-0.96	-0.84	-0.77	-0.72	-0.61	3936	1.0
loglik_pred[184]	-0.87	6.9e-4	0.04	-0.96	-0.9	-0.87	-0.85	-0.8	3406	1.0
loglik_pred[185]	-0.5	4.1e-4	0.02	-0.55	-0.52	-0.5	-0.49	-0.46	3529	1.0
loglik_pred[186]	-0.4	3.9e-4	0.03	-0.45	-0.42	-0.4	-0.38	-0.35	4022	1.0
loglik_pred[187]	-0.31	2.7e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3810	1.0
loglik_pred[188]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.3	-0.28	3845	1.0
loglik_pred[189]	-0.66	8.1e-4	0.05	-0.77	-0.7	-0.66	-0.62	-0.56	4349	1.0
loglik_pred[190]	-0.4	3.6e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	3273	1.0
loglik_pred[191]	-0.49	7.1e-4	0.04	-0.58	-0.52	-0.49	-0.46	-0.42	3429	1.0
loglik_pred[192]	-0.45	4.8e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.39	3921	1.0
loglik_pred[193]	-1.12	1.4e-3	0.09	-1.31	-1.18	-1.12	-1.06	-0.95	4655	1.0
loglik_pred[194]	-0.32	2.8e-4	0.02	-0.35	-0.33	-0.32	-0.31	-0.29	3833	1.0
loglik_pred[195]	-0.48	4.9e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.43	3452	1.0
loglik_pred[196]	-1.46	2.2e-3	0.14	-1.75	-1.56	-1.46	-1.37	-1.19	4083	1.0
loglik_pred[197]	-0.57	6.6e-4	0.04	-0.64	-0.59	-0.56	-0.54	-0.5	2977	1.0
loglik_pred[198]	-0.31	2.8e-4	0.02	-0.35	-0.33	-0.31	-0.3	-0.28	3782	1.0
loglik_pred[199]	-0.48	5.7e-4	0.03	-0.55	-0.5	-0.48	-0.46	-0.42	3416	1.0
loglik_pred[200]	-0.77	9.2e-4	0.05	-0.86	-0.8	-0.76	-0.73	-0.68	2620	1.0
lp__	191.87	0.05	2.13	187.04	190.6	192.15	193.45	195.16	1967	1.0

Samples were drawn using NUTS at Sun Dec 9 14:41:12 2018.

For each parameter, n_eff is a crude measure of effective sample size,
and Rhat is the potential scale reduction factor on split chains (at
convergence, Rhat=1).