

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 Introduction

The main theme of the project is to explore data about house prices from King County, the USA that includes *features* of the house, such as the number of bedrooms, total area, and number floors etc. and subsequently form a Bayesian model capable of predicting house prices based on the prior information.

In this notebook, we aim to sequentially address the input data via a thorough analysis and observation of critical statistical indicators. Next, we aim to trim down the dataset to hold only the relevant data and divides it into the ideal ratio of training and testing data used to train and model and make predictions on respectively.

Furthermore, we try to shortlist the relevant choices of Bayesian models equipped with the ideal priors based on the problem at hand and consequently run them in Stan.

After acquiring all the diagnostic values regarding convergence and divergence from Stan, we carry out the model assessment of the results via visual analysis, Root Mean Squared (RMS) errors and Pareto smoothed importance sampling leave-one-out cross-validation (PSIS LOO-CV) estimates to decide on which model performed the best among the chosen ones.

Finally, we conclude our work by identifying the ideal model for the task at hand in addition to what we could not achieve along with improvements for the future.

1.2 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
```

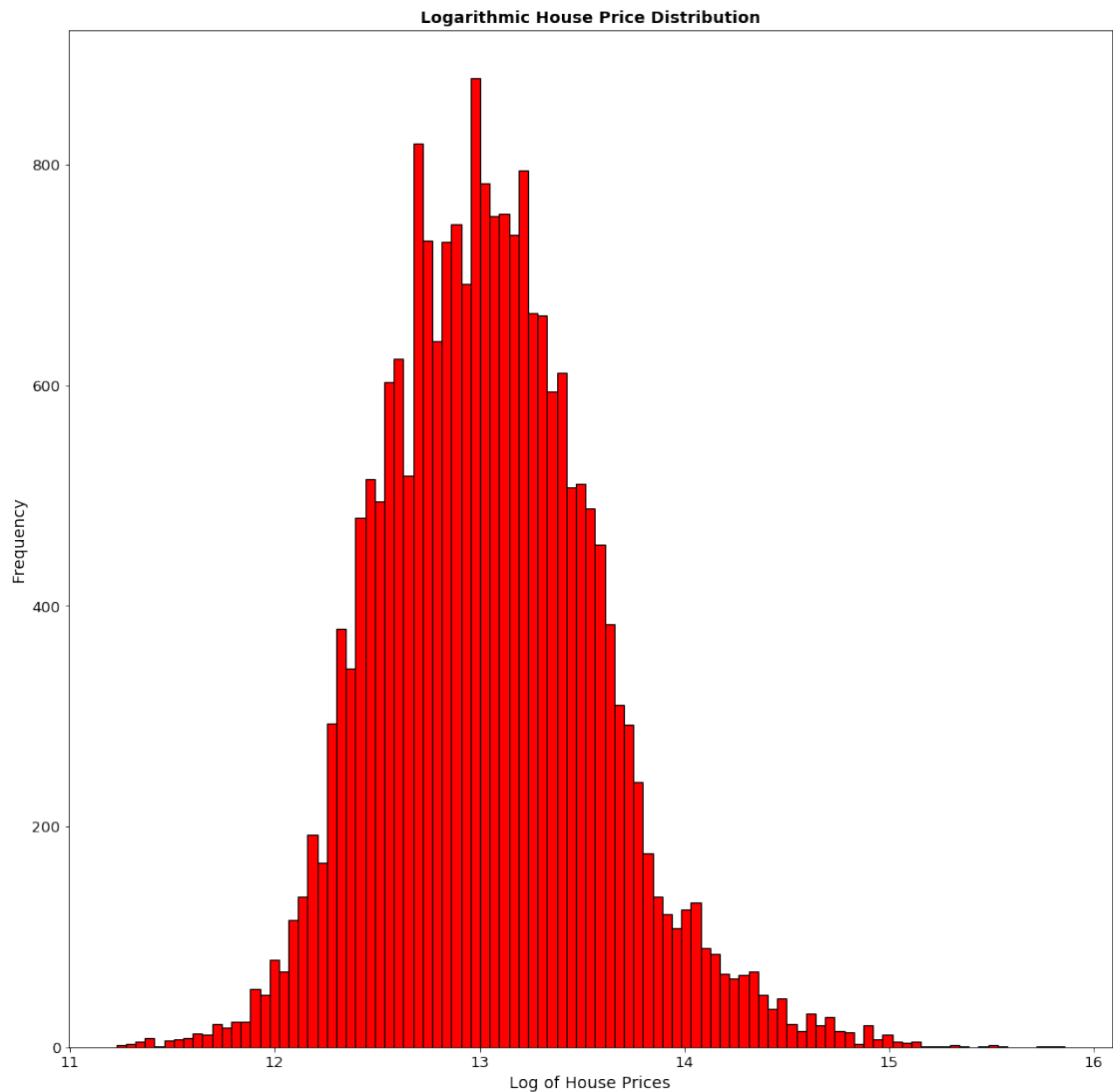
Mode of House prices:

```
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 90:10. 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)
)

```

1.3 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.

1.4 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)
```

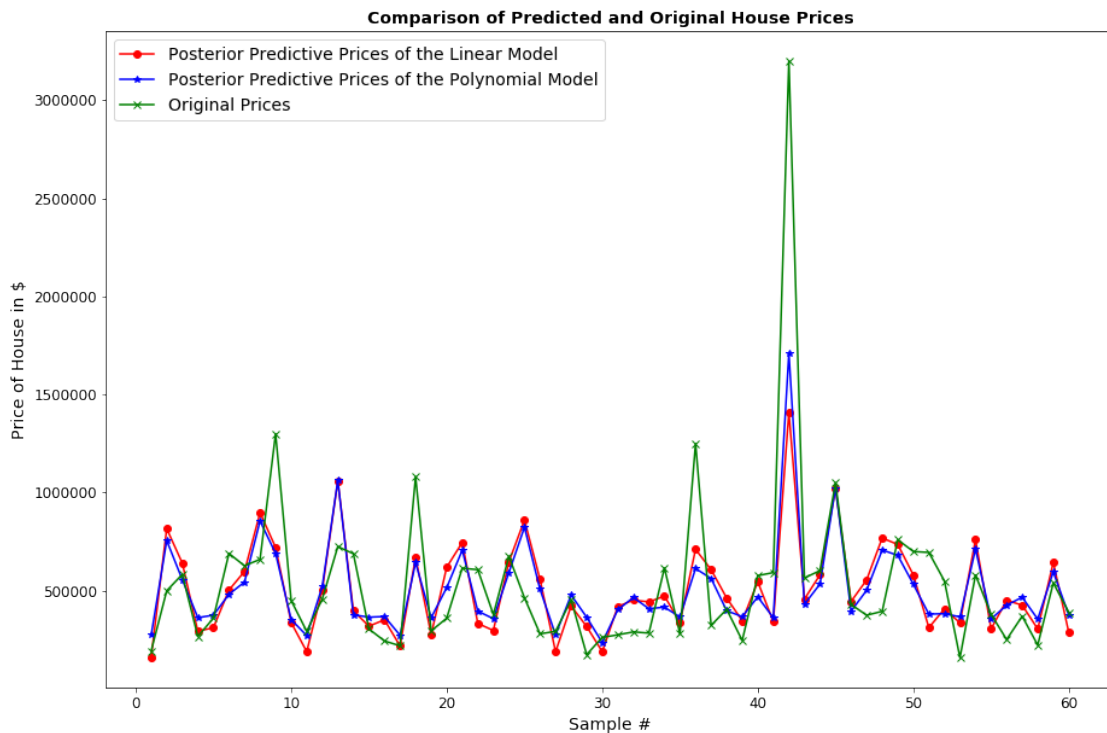
```

'''
# 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: 1.9530892504832766

RMS error of the Polynomial model: 1.946191380835212

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: -178.63800431577906

Estimated effective number of parameters in the model: 0.621648879372998

Number of k values greater than 0.7: 0

In [13]: *# PSIS-LOO 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-LOO 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-LOO value: -174.16050036404596

Estimated effective number of parameters in the model: 1.7811706010950843

Number of k values greater than 0.7 : 0

In [14]: '''

*Scatter plots for Pareto k-values for
Linear and Polynomial Regresion models*
'''

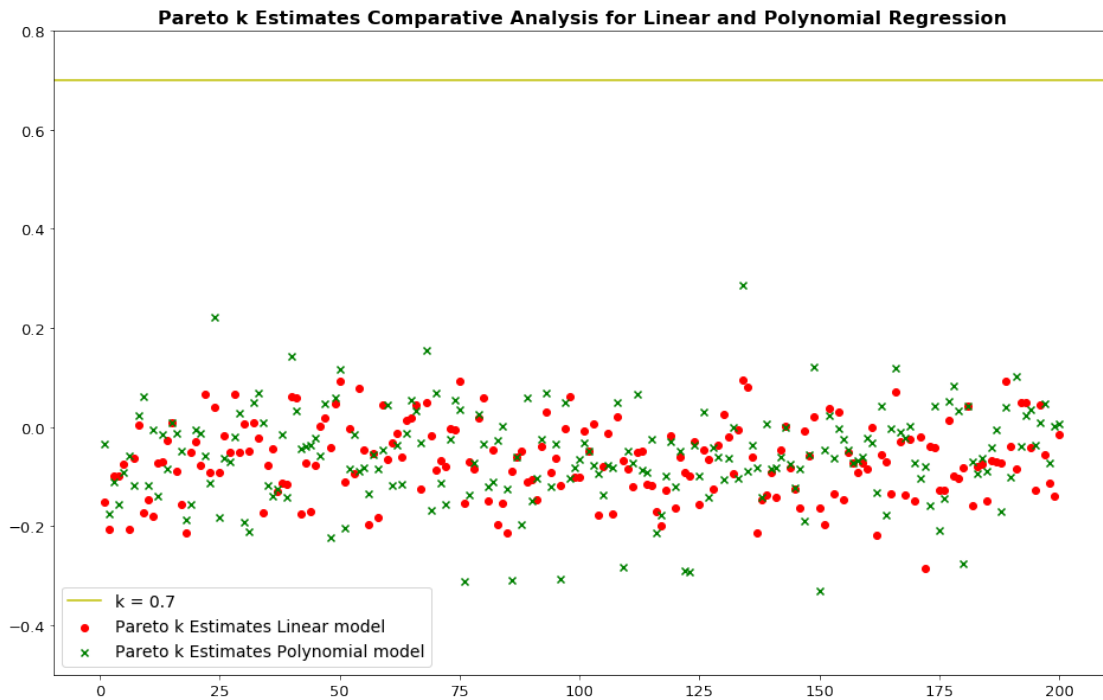
```
x_linear = np.arange(1, np.size(ks_linear) + 1, 1)
x_poly = np.arange(1, np.size(ks_poly) + 1, 1)

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.

1.5 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.

1.6 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>

1.7 Appendices

1.7.1 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	2.0e-4	2.3e-4	0.02	-0.03	-0.01	3.2e-4	0.01	0.03	5158	1.0
theta[1]	0.56	6.1e-4	0.04	0.49	0.54	0.56	0.59	0.64	3629	1.0
theta[2]	0.35	3.8e-4	0.03	0.3	0.34	0.35	0.37	0.4	4802	1.0
theta[3]	-0.19	6.0e-4	0.04	-0.26	-0.22	-0.19	-0.17	-0.12	3448	1.0
theta[4]	0.04	4.1e-4	0.03	-0.01	0.02	0.04	0.06	0.1	4461	1.0
sigma	0.69	1.6e-4	0.01	0.67	0.68	0.69	0.7	0.71	5303	1.0
y_mean[1]	-0.95	4.6e-4	0.03	-1.01	-0.97	-0.95	-0.93	-0.89	4477	1.0
y_mean[2]	-0.47	4.1e-4	0.03	-0.52	-0.48	-0.47	-0.45	-0.41	4795	1.0
y_mean[3]	-0.48	3.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	4627	1.0
y_mean[4]	0.72	4.5e-4	0.03	0.66	0.7	0.72	0.74	0.78	4592	1.0

y_mean[5]	-0.6	3.4e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	4500	1.0
y_mean[6]	0.45	4.3e-4	0.03	0.39	0.43	0.45	0.47	0.51	4837	1.0
y_mean[7]	0.71	4.7e-4	0.03	0.65	0.69	0.71	0.73	0.77	4493	1.0
y_mean[8]	0.65	4.3e-4	0.03	0.59	0.63	0.65	0.67	0.71	4642	1.0
y_mean[9]	0.3	3.0e-4	0.02	0.26	0.28	0.3	0.31	0.34	4760	1.0
y_mean[10]	-0.28	4.7e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.21	4839	1.0
y_mean[11]	0.12	6.2e-4	0.04	0.04	0.09	0.12	0.14	0.19	4016	1.0
y_mean[12]	-0.17	3.9e-4	0.03	-0.22	-0.18	-0.17	-0.15	-0.11	4644	1.0
y_mean[13]	-0.54	3.2e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4554	1.0
y_mean[14]	0.1	5.1e-4	0.03	0.04	0.08	0.1	0.13	0.17	4233	1.0
y_mean[15]	-1.33	6.7e-4	0.05	-1.42	-1.36	-1.33	-1.3	-1.24	4677	1.0
y_mean[16]	0.09	4.2e-4	0.03	0.03	0.07	0.09	0.11	0.14	4503	1.0
y_mean[17]	0.08	7.4e-4	0.05	-8.5e-3	0.05	0.08	0.12	0.18	4207	1.0
y_mean[18]	0.14	2.8e-4	0.02	0.1	0.12	0.14	0.15	0.17	4964	1.0
y_mean[19]	0.72	5.1e-4	0.03	0.65	0.69	0.72	0.74	0.78	4407	1.0
y_mean[20]	0.76	5.0e-4	0.03	0.69	0.74	0.76	0.78	0.82	4435	1.0
y_mean[21]	-1.05	4.7e-4	0.03	-1.11	-1.07	-1.05	-1.03	-0.99	4565	1.0
y_mean[22]	0.06	1.1e-3	0.08	-0.1	4.0e-3	0.06	0.11	0.21	4987	1.0
y_mean[23]	-0.04	3.2e-4	0.02	-0.08	-0.05	-0.04	-0.02	3.8e-3	4651	1.0
y_mean[24]	2.12	1.3e-3	0.08	1.97	2.07	2.12	2.17	2.27	3563	1.0
y_mean[25]	-0.69	3.7e-4	0.03	-0.74	-0.71	-0.69	-0.67	-0.64	4532	1.0
y_mean[26]	0.86	5.2e-4	0.03	0.79	0.83	0.86	0.88	0.92	4456	1.0
y_mean[27]	-0.16	3.2e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	5190	1.0
y_mean[28]	-0.33	5.2e-4	0.04	-0.39	-0.35	-0.33	-0.3	-0.26	4621	1.0
y_mean[29]	0.44	8.5e-4	0.06	0.32	0.4	0.44	0.48	0.56	4956	1.0
y_mean[30]	-0.56	3.5e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	4557	1.0
y_mean[31]	0.55	4.5e-4	0.03	0.49	0.53	0.55	0.57	0.61	4654	1.0
y_mean[32]	-1.16	7.7e-4	0.05	-1.26	-1.19	-1.16	-1.12	-1.06	4553	1.0
y_mean[33]	0.64	7.9e-4	0.06	0.53	0.6	0.64	0.68	0.75	5250	1.0
y_mean[34]	0.16	3.4e-4	0.02	0.11	0.14	0.16	0.17	0.2	4506	1.0
y_mean[35]	0.03	4.9e-4	0.03	-0.04	4.7e-3	0.03	0.05	0.09	4745	1.0
y_mean[36]	-0.52	3.5e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	4420	1.0
y_mean[37]	-0.51	3.2e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4653	1.0
y_mean[38]	-0.73	4.1e-4	0.03	-0.78	-0.75	-0.73	-0.71	-0.67	4663	1.0
y_mean[39]	-0.47	3.3e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	4678	1.0
y_mean[40]	-1.85	8.6e-4	0.06	-1.96	-1.88	-1.85	-1.81	-1.73	4658	1.0
y_mean[41]	0.77	6.7e-4	0.05	0.68	0.74	0.77	0.8	0.86	5058	1.0
y_mean[42]	-0.3	3.4e-4	0.02	-0.35	-0.32	-0.3	-0.29	-0.26	4375	1.0
y_mean[43]	0.01	6.6e-4	0.04	-0.07	-0.02	0.01	0.04	0.09	4196	1.0
y_mean[44]	0.55	5.4e-4	0.03	0.49	0.53	0.55	0.58	0.62	3770	1.0
y_mean[45]	-0.44	4.0e-4	0.03	-0.49	-0.45	-0.44	-0.42	-0.39	4163	1.0
y_mean[46]	-0.57	4.3e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.52	4485	1.0
y_mean[47]	0.17	3.9e-4	0.03	0.11	0.15	0.17	0.18	0.22	4942	1.0
y_mean[48]	-0.41	3.4e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	4475	1.0
y_mean[49]	0.62	8.5e-4	0.05	0.52	0.59	0.62	0.66	0.72	3744	1.0
y_mean[50]	0.52	4.2e-4	0.03	0.47	0.5	0.52	0.54	0.58	4772	1.0
y_mean[51]	-0.77	4.2e-4	0.03	-0.82	-0.79	-0.77	-0.75	-0.71	4661	1.0
y_mean[52]	1.64	8.5e-4	0.05	1.53	1.61	1.64	1.68	1.75	3950	1.0

y_mean[53]	0.68	7.7e-4	0.05	0.59	0.65	0.68	0.71	0.77	3568	1.0
y_mean[54]	-0.04	3.7e-4	0.03	-0.09	-0.06	-0.04	-0.03	6.5e-3	4690	1.0
y_mean[55]	-0.66	4.3e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.61	4626	1.0
y_mean[56]	0.24	3.8e-4	0.03	0.19	0.23	0.24	0.26	0.29	4518	1.0
y_mean[57]	0.36	5.5e-4	0.04	0.29	0.34	0.36	0.39	0.43	4377	1.0
y_mean[58]	0.37	5.7e-4	0.04	0.29	0.34	0.37	0.4	0.45	4833	1.0
y_mean[59]	-0.15	4.2e-4	0.03	-0.2	-0.16	-0.15	-0.13	-0.09	4267	1.0
y_mean[60]	0.2	3.7e-4	0.02	0.15	0.19	0.2	0.22	0.25	4436	1.0
y_mean[61]	0.77	5.9e-4	0.04	0.7	0.75	0.77	0.8	0.85	4085	1.0
y_mean[62]	-0.91	4.7e-4	0.03	-0.97	-0.93	-0.91	-0.89	-0.85	4515	1.0
y_mean[63]	-0.44	7.2e-4	0.05	-0.53	-0.47	-0.44	-0.41	-0.35	4148	1.0
y_mean[64]	0.26	8.2e-4	0.05	0.16	0.23	0.26	0.3	0.36	3722	1.0
y_mean[65]	0.22	4.8e-4	0.03	0.15	0.2	0.22	0.24	0.28	4645	1.0
y_mean[66]	1.29	6.2e-4	0.04	1.2	1.26	1.29	1.32	1.37	4642	1.0
y_mean[67]	0.72	4.9e-4	0.03	0.65	0.69	0.71	0.74	0.78	4413	1.0
y_mean[68]	1.01	6.0e-4	0.04	0.92	0.98	1.01	1.03	1.09	4845	1.0
y_mean[69]	-0.07	4.2e-4	0.03	-0.12	-0.09	-0.07	-0.05	-0.01	4635	1.0
y_mean[70]	0.79	4.9e-4	0.03	0.73	0.77	0.79	0.82	0.86	4822	1.0
y_mean[71]	-0.59	3.6e-4	0.02	-0.64	-0.61	-0.59	-0.57	-0.54	4497	1.0
y_mean[72]	-0.65	3.5e-4	0.02	-0.69	-0.67	-0.65	-0.63	-0.6	4541	1.0
y_mean[73]	0.94	6.7e-4	0.04	0.85	0.91	0.94	0.96	1.02	3979	1.0
y_mean[74]	0.31	4.9e-4	0.03	0.25	0.29	0.31	0.34	0.37	3911	1.0
y_mean[75]	-1.02	5.0e-4	0.03	-1.09	-1.05	-1.02	-1.0	-0.96	4616	1.0
y_mean[76]	-0.5	4.0e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	4383	1.0
y_mean[77]	-0.51	3.4e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	4426	1.0
y_mean[78]	-0.06	3.2e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.02	4654	1.0
y_mean[79]	-1.24	9.3e-4	0.06	-1.36	-1.28	-1.24	-1.2	-1.12	4374	1.0
y_mean[80]	-0.6	4.5e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.54	4553	1.0
y_mean[81]	-0.03	3.2e-4	0.02	-0.07	-0.04	-0.03	-0.02	0.01	4648	1.0
y_mean[82]	-0.38	3.6e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	4360	1.0
y_mean[83]	-0.95	4.6e-4	0.03	-1.01	-0.97	-0.95	-0.93	-0.89	4502	1.0
y_mean[84]	0.39	4.6e-4	0.03	0.34	0.37	0.39	0.41	0.45	3970	1.0
y_mean[85]	0.02	3.8e-4	0.03	-0.03	-3.2e-4	0.02	0.03	0.06	4464	1.0
y_mean[86]	0.14	3.5e-4	0.02	0.1	0.13	0.14	0.16	0.19	4390	1.0
y_mean[87]	0.63	7.6e-4	0.05	0.52	0.59	0.63	0.66	0.73	4794	1.0
y_mean[88]	-0.28	5.7e-4	0.04	-0.36	-0.31	-0.28	-0.26	-0.21	4557	1.0
y_mean[89]	1.07	8.1e-4	0.05	0.97	1.03	1.07	1.11	1.17	3957	1.0
y_mean[90]	-0.73	3.9e-4	0.03	-0.78	-0.75	-0.73	-0.71	-0.68	4600	1.0
y_mean[91]	-0.32	5.4e-4	0.04	-0.39	-0.34	-0.32	-0.29	-0.25	4572	1.0
y_mean[92]	0.82	6.4e-4	0.04	0.74	0.79	0.82	0.85	0.91	4617	1.0
y_mean[93]	-1.03	8.5e-4	0.06	-1.15	-1.07	-1.03	-1.0	-0.92	4615	1.0
y_mean[94]	-0.03	3.7e-4	0.03	-0.08	-0.05	-0.03	-0.01	0.02	4669	1.0
y_mean[95]	-0.26	3.8e-4	0.02	-0.31	-0.28	-0.26	-0.25	-0.22	4154	1.0
y_mean[96]	-0.4	4.2e-4	0.03	-0.45	-0.42	-0.4	-0.38	-0.35	4116	1.0
y_mean[97]	1.11	5.9e-4	0.04	1.03	1.09	1.11	1.14	1.19	4746	1.0
y_mean[98]	1.11	5.5e-4	0.04	1.04	1.09	1.11	1.14	1.19	4306	1.0
y_mean[99]	-0.56	3.5e-4	0.02	-0.61	-0.58	-0.56	-0.54	-0.51	4568	1.0
y_mean[100]	-0.42	4.6e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.36	4131	1.0

y_mean[101]	0.06	7.7e-4	0.05	-0.04	0.03	0.06	0.09	0.16	4058	1.0
y_mean[102]	0.86	5.3e-4	0.04	0.79	0.84	0.86	0.89	0.93	4598	1.0
y_mean[103]	-0.64	3.6e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4499	1.0
y_mean[104]	0.16	3.3e-4	0.02	0.12	0.15	0.16	0.18	0.21	4581	1.0
y_mean[105]	-0.07	4.6e-4	0.03	-0.13	-0.09	-0.07	-0.05	-0.02	4021	1.0
y_mean[106]	-0.45	3.2e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	4725	1.0
y_mean[107]	0.15	4.3e-4	0.03	0.1	0.13	0.15	0.17	0.21	4248	1.0
y_mean[108]	-1.49	7.8e-4	0.05	-1.59	-1.52	-1.49	-1.45	-1.38	4463	1.0
y_mean[109]	0.78	5.4e-4	0.04	0.71	0.75	0.78	0.8	0.85	4382	1.0
y_mean[110]	-0.26	4.8e-4	0.03	-0.32	-0.28	-0.26	-0.23	-0.19	4595	1.0
y_mean[111]	0.2	3.7e-4	0.03	0.15	0.19	0.2	0.22	0.25	4715	1.0
y_mean[112]	0.48	6.5e-4	0.04	0.4	0.46	0.48	0.51	0.56	3626	1.0
y_mean[113]	0.2	3.4e-4	0.02	0.15	0.19	0.2	0.22	0.25	4894	1.0
y_mean[114]	-0.27	2.9e-4	0.02	-0.32	-0.29	-0.27	-0.26	-0.23	4786	1.0
y_mean[115]	-0.37	3.9e-4	0.03	-0.42	-0.39	-0.37	-0.35	-0.32	4550	1.0
y_mean[116]	-0.51	3.2e-4	0.02	-0.55	-0.52	-0.51	-0.49	-0.46	4659	1.0
y_mean[117]	-4.9e-3	3.1e-4	0.02	-0.05	-0.02	-5.0e-3	9.3e-3	0.04	4653	1.0
y_mean[118]	0.15	3.3e-4	0.02	0.11	0.13	0.15	0.16	0.19	4520	1.0
y_mean[119]	-0.08	3.7e-4	0.03	-0.13	-0.1	-0.08	-0.07	-0.03	4535	1.0
y_mean[120]	0.06	3.7e-4	0.02	0.02	0.05	0.06	0.08	0.11	4393	1.0
y_mean[121]	-0.2	3.6e-4	0.02	-0.25	-0.22	-0.2	-0.19	-0.16	4387	1.0
y_mean[122]	-0.12	4.1e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.06	4774	1.0
y_mean[123]	-0.77	4.3e-4	0.03	-0.82	-0.79	-0.77	-0.75	-0.71	4719	1.0
y_mean[124]	-0.23	5.6e-4	0.04	-0.3	-0.26	-0.23	-0.21	-0.16	4468	1.0
y_mean[125]	0.66	5.6e-4	0.03	0.59	0.64	0.66	0.68	0.73	3839	1.0
y_mean[126]	1.1	5.8e-4	0.04	1.02	1.07	1.1	1.12	1.17	4780	1.0
y_mean[127]	0.13	4.7e-4	0.03	0.06	0.1	0.13	0.15	0.19	4908	1.0
y_mean[128]	-0.62	3.4e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4510	1.0
y_mean[129]	-0.69	4.3e-4	0.03	-0.75	-0.71	-0.7	-0.68	-0.64	4673	1.0
y_mean[130]	-3.6e-3	4.0e-4	0.03	-0.06	-0.02	-4.0e-3	0.01	0.05	4563	1.0
y_mean[131]	-1.08	4.5e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.02	4524	1.0
y_mean[132]	-0.38	3.3e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	4426	1.0
y_mean[133]	-0.74	4.5e-4	0.03	-0.8	-0.76	-0.74	-0.72	-0.68	4455	1.0
y_mean[134]	2.95	1.7e-3	0.1	2.75	2.89	2.95	3.02	3.16	3753	1.0
y_mean[135]	0.33	7.9e-4	0.05	0.23	0.29	0.33	0.36	0.42	4029	1.0
y_mean[136]	-0.52	3.2e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.48	4572	1.0
y_mean[137]	0.21	3.5e-4	0.02	0.16	0.19	0.21	0.23	0.26	4627	1.0
y_mean[138]	0.63	4.4e-4	0.03	0.57	0.61	0.63	0.65	0.68	4592	1.0
y_mean[139]	-0.71	4.5e-4	0.03	-0.77	-0.73	-0.71	-0.69	-0.65	4439	1.0
y_mean[140]	-0.25	4.5e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	4699	1.0
y_mean[141]	-0.33	3.7e-4	0.02	-0.38	-0.35	-0.33	-0.31	-0.28	4402	1.0
y_mean[142]	0.57	6.8e-4	0.04	0.49	0.54	0.57	0.6	0.66	4375	1.0
y_mean[143]	0.38	6.9e-4	0.05	0.29	0.35	0.38	0.41	0.47	4461	1.0
y_mean[144]	-0.49	3.9e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.44	4728	1.0
y_mean[145]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4517	1.0
y_mean[146]	1.06	5.9e-4	0.04	0.98	1.03	1.06	1.09	1.14	4800	1.0
y_mean[147]	-0.53	3.3e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.48	4590	1.0
y_mean[148]	0.74	8.5e-4	0.06	0.63	0.7	0.74	0.78	0.85	4445	1.0

y_mean[149]	1.45	7.5e-4	0.05	1.35	1.41	1.45	1.48	1.55	4456	1.0
y_mean[150]	-0.34	4.4e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	4145	1.0
y_mean[151]	0.68	4.4e-4	0.03	0.62	0.66	0.68	0.7	0.74	4789	1.0
y_mean[152]	-0.22	4.5e-4	0.03	-0.28	-0.24	-0.22	-0.2	-0.16	4610	1.0
y_mean[153]	0.36	2.9e-4	0.02	0.32	0.35	0.36	0.38	0.4	4853	1.0
y_mean[154]	-1.33	6.7e-4	0.05	-1.42	-1.36	-1.33	-1.3	-1.24	4677	1.0
y_mean[155]	0.07	3.1e-4	0.02	0.03	0.06	0.07	0.08	0.11	4661	1.0
y_mean[156]	1.28	8.8e-4	0.06	1.16	1.24	1.28	1.32	1.39	4408	1.0
y_mean[157]	0.49	4.1e-4	0.03	0.43	0.47	0.49	0.5	0.54	4434	1.0
y_mean[158]	-0.67	4.1e-4	0.03	-0.72	-0.68	-0.67	-0.65	-0.61	4477	1.0
y_mean[159]	0.53	5.0e-4	0.03	0.47	0.51	0.53	0.55	0.59	3818	1.0
y_mean[160]	-0.41	3.9e-4	0.03	-0.46	-0.42	-0.41	-0.39	-0.35	4777	1.0
y_mean[161]	-0.35	3.6e-4	0.02	-0.4	-0.36	-0.35	-0.33	-0.3	4600	1.0
y_mean[162]	-0.12	3.7e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.07	4462	1.0
y_mean[163]	-0.44	3.2e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	4610	1.0
y_mean[164]	-0.93	4.6e-4	0.03	-0.99	-0.95	-0.93	-0.91	-0.87	4502	1.0
y_mean[165]	0.5	6.5e-4	0.04	0.42	0.47	0.5	0.53	0.59	4593	1.0
y_mean[166]	1.53	1.0e-3	0.06	1.4	1.48	1.53	1.57	1.65	4112	1.0
y_mean[167]	-0.05	3.2e-4	0.02	-0.09	-0.06	-0.05	-0.03	-6.6e-3	4648	1.0
y_mean[168]	-0.68	3.7e-4	0.02	-0.73	-0.7	-0.68	-0.66	-0.63	4542	1.0
y_mean[169]	-0.43	6.4e-4	0.04	-0.51	-0.45	-0.43	-0.4	-0.34	4357	1.0
y_mean[170]	-0.63	3.8e-4	0.03	-0.68	-0.65	-0.63	-0.62	-0.58	4499	1.0
y_mean[171]	-0.1	3.5e-4	0.02	-0.15	-0.12	-0.1	-0.08	-0.05	4652	1.0
y_mean[172]	0.19	3.4e-4	0.02	0.14	0.17	0.19	0.2	0.23	4672	1.0
y_mean[173]	-0.23	4.7e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.17	4030	1.0
y_mean[174]	-1.18	5.0e-4	0.03	-1.25	-1.2	-1.18	-1.16	-1.11	4393	1.0
y_mean[175]	-0.54	3.2e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.5	4542	1.0
y_mean[176]	-0.52	3.6e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	4496	1.0
y_mean[177]	1.72	9.4e-4	0.06	1.61	1.68	1.72	1.76	1.84	4087	1.0
y_mean[178]	1.0	9.0e-4	0.05	0.89	0.96	1.0	1.04	1.11	3704	1.0
y_mean[179]	0.6	7.6e-4	0.05	0.51	0.57	0.6	0.63	0.69	3599	1.0
y_mean[180]	-0.25	3.4e-4	0.02	-0.3	-0.27	-0.25	-0.23	-0.21	4595	1.0
y_mean[181]	-1.48	6.6e-4	0.04	-1.57	-1.51	-1.48	-1.45	-1.39	4511	1.0
y_mean[182]	-0.1	5.5e-4	0.03	-0.17	-0.12	-0.09	-0.07	-0.03	3866	1.0
y_mean[183]	-0.09	5.0e-4	0.03	-0.15	-0.11	-0.09	-0.06	-0.02	3940	1.0
y_mean[184]	-0.04	6.9e-4	0.04	-0.13	-0.07	-0.04	-9.8e-3	0.05	4293	1.0
y_mean[185]	-0.39	3.7e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	4860	1.0
y_mean[186]	0.11	4.4e-4	0.03	0.05	0.09	0.11	0.13	0.17	4887	1.0
y_mean[187]	-0.6	3.4e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	4513	1.0
y_mean[188]	2.3e-3	5.8e-4	0.04	-0.08	-0.02	2.4e-3	0.03	0.08	4697	1.0
y_mean[189]	-0.59	6.1e-4	0.04	-0.67	-0.62	-0.59	-0.57	-0.51	4237	1.0
y_mean[190]	0.57	6.0e-4	0.04	0.49	0.54	0.57	0.59	0.64	3968	1.0
y_mean[191]	-0.35	3.7e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	4714	1.0
y_mean[192]	-0.24	4.7e-4	0.03	-0.29	-0.26	-0.24	-0.22	-0.18	3975	1.0
y_mean[193]	0.2	5.9e-4	0.04	0.13	0.17	0.2	0.22	0.27	3840	1.0
y_mean[194]	-1.17	4.8e-4	0.03	-1.24	-1.2	-1.17	-1.15	-1.11	4423	1.0
y_mean[195]	0.04	5.8e-4	0.04	-0.03	0.02	0.04	0.07	0.11	3862	1.0
y_mean[196]	-0.86	6.0e-4	0.04	-0.93	-0.88	-0.86	-0.83	-0.78	4176	1.0

y_mean[197]	0.07	4.4e-4	0.03	0.02	0.05	0.07	0.09	0.13	4241	1.0
y_mean[198]	-0.67	3.7e-4	0.02	-0.72	-0.69	-0.67	-0.65	-0.62	4502	1.0
y_mean[199]	-0.97	5.4e-4	0.04	-1.04	-0.99	-0.97	-0.94	-0.89	4708	1.0
y_mean[200]	-0.92	4.9e-4	0.03	-0.99	-0.95	-0.92	-0.9	-0.86	4690	1.0
y_mean[201]	0.4	5.1e-4	0.03	0.34	0.38	0.4	0.43	0.47	4341	1.0
y_mean[202]	-0.39	5.4e-4	0.04	-0.46	-0.41	-0.39	-0.36	-0.31	5054	1.0
y_mean[203]	1.13	6.6e-4	0.05	1.03	1.1	1.13	1.16	1.22	5081	1.0
y_mean[204]	0.5	6.8e-4	0.04	0.42	0.47	0.5	0.53	0.58	3848	1.0
y_mean[205]	-0.43	3.3e-4	0.02	-0.47	-0.44	-0.43	-0.42	-0.39	4527	1.0
y_mean[206]	1.29	7.5e-4	0.05	1.19	1.26	1.29	1.33	1.39	4442	1.0
y_mean[207]	-0.54	4.2e-4	0.03	-0.6	-0.56	-0.54	-0.52	-0.48	4646	1.0
y_mean[208]	-0.61	3.5e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.56	4514	1.0
y_mean[209]	0.59	4.2e-4	0.03	0.53	0.57	0.59	0.61	0.64	4740	1.0
y_mean[210]	-0.02	3.1e-4	0.02	-0.06	-0.03	-0.02	-4.1e-3	0.02	4613	1.0
y_mean[211]	0.49	8.8e-4	0.06	0.38	0.45	0.49	0.53	0.61	4184	1.0
y_mean[212]	0.68	6.5e-4	0.04	0.6	0.66	0.68	0.71	0.76	3870	1.0
y_mean[213]	-0.61	4.3e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.55	4337	1.0
y_mean[214]	-0.9	4.7e-4	0.03	-0.97	-0.93	-0.9	-0.88	-0.84	4612	1.0
y_mean[215]	0.76	5.8e-4	0.04	0.68	0.73	0.76	0.78	0.83	4198	1.0
y_mean[216]	-0.43	3.1e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	4693	1.0
y_mean[217]	-0.3	3.9e-4	0.03	-0.36	-0.32	-0.3	-0.29	-0.25	4516	1.0
y_mean[218]	0.03	7.5e-4	0.05	-0.07	-4.7e-3	0.03	0.06	0.13	4719	1.0
y_mean[219]	-7.4e-3	3.2e-4	0.02	-0.05	-0.02	-7.4e-3	7.0e-3	0.04	4664	1.0
y_mean[220]	0.57	4.4e-4	0.03	0.51	0.54	0.57	0.59	0.62	4652	1.0
y_mean[221]	-0.32	4.3e-4	0.03	-0.37	-0.34	-0.32	-0.3	-0.27	3834	1.0
y_mean[222]	-0.6	3.7e-4	0.02	-0.65	-0.62	-0.6	-0.58	-0.55	4525	1.0
y_mean[223]	0.66	5.4e-4	0.04	0.59	0.64	0.66	0.69	0.73	4432	1.0
y_mean[224]	0.57	4.2e-4	0.03	0.51	0.55	0.57	0.59	0.62	4696	1.0
y_mean[225]	-0.49	4.7e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	4376	1.0
y_mean[226]	1.15	8.5e-4	0.05	1.05	1.12	1.15	1.19	1.25	3570	1.0
y_mean[227]	-0.28	4.6e-4	0.03	-0.33	-0.3	-0.28	-0.26	-0.22	3945	1.0
y_mean[228]	-1.12	4.5e-4	0.03	-1.18	-1.14	-1.12	-1.1	-1.06	4509	1.0
y_mean[229]	-0.68	4.2e-4	0.03	-0.73	-0.7	-0.68	-0.66	-0.62	4468	1.0
y_mean[230]	-0.26	6.0e-4	0.04	-0.34	-0.29	-0.26	-0.23	-0.18	4432	1.0
y_mean[231]	0.87	9.1e-4	0.06	0.75	0.83	0.87	0.92	1.0	4982	1.0
y_mean[232]	-0.24	6.5e-4	0.04	-0.33	-0.27	-0.24	-0.21	-0.15	4535	1.0
y_mean[233]	-0.79	4.4e-4	0.03	-0.85	-0.81	-0.79	-0.77	-0.74	4610	1.0
y_mean[234]	-0.09	3.4e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	4661	1.0
y_mean[235]	0.33	5.4e-4	0.04	0.25	0.3	0.33	0.35	0.4	4995	1.0
y_mean[236]	1.98	1.3e-3	0.08	1.83	1.93	1.98	2.03	2.13	3622	1.0
y_mean[237]	0.15	4.3e-4	0.03	0.1	0.13	0.15	0.17	0.2	4101	1.0
y_mean[238]	-1.01	4.5e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.95	4505	1.0
y_mean[239]	-0.78	4.5e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.72	4757	1.0
y_mean[240]	-1.06	4.6e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.0	4513	1.0
y_mean[241]	1.35	7.1e-4	0.05	1.25	1.31	1.35	1.38	1.43	4455	1.0
y_mean[242]	1.43	1.1e-3	0.07	1.29	1.38	1.43	1.48	1.58	4508	1.0
y_mean[243]	-1.05	5.0e-4	0.03	-1.12	-1.07	-1.05	-1.03	-0.99	4501	1.0
y_mean[244]	-0.59	3.3e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	4495	1.0

y_mean[245]	0.04	7.5e-4	0.05	-0.05	6.4e-3	0.04	0.07	0.14	4194	1.0
y_mean[246]	-0.19	5.0e-4	0.03	-0.26	-0.21	-0.19	-0.17	-0.12	4626	1.0
y_mean[247]	-0.6	3.6e-4	0.02	-0.65	-0.62	-0.6	-0.58	-0.55	4523	1.0
y_mean[248]	-1.11	4.7e-4	0.03	-1.17	-1.13	-1.11	-1.09	-1.05	4536	1.0
y_mean[249]	1.38	7.0e-4	0.05	1.28	1.34	1.38	1.41	1.46	4464	1.0
y_mean[250]	0.23	5.7e-4	0.04	0.16	0.21	0.23	0.26	0.31	4806	1.0
y_mean[251]	0.2	6.0e-4	0.04	0.12	0.17	0.2	0.23	0.28	4788	1.0
y_mean[252]	-0.35	2.9e-4	0.02	-0.39	-0.36	-0.35	-0.34	-0.31	4734	1.0
y_mean[253]	1.09	7.6e-4	0.05	1.0	1.06	1.09	1.12	1.18	3667	1.0
y_mean[254]	-1.06	4.7e-4	0.03	-1.13	-1.09	-1.07	-1.04	-1.0	4550	1.0
y_mean[255]	0.7	4.5e-4	0.03	0.64	0.68	0.7	0.72	0.75	4538	1.0
y_mean[256]	0.54	4.3e-4	0.03	0.48	0.52	0.54	0.56	0.6	4699	1.0
y_mean[257]	-0.25	4.4e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.2	4626	1.0
y_mean[258]	-0.59	3.3e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	4501	1.0
y_mean[259]	0.12	3.9e-4	0.03	0.07	0.1	0.12	0.13	0.17	4322	1.0
y_mean[260]	-0.22	5.8e-4	0.04	-0.3	-0.25	-0.22	-0.2	-0.15	4695	1.0
y_mean[261]	-0.11	5.2e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.04	3867	1.0
y_mean[262]	-0.91	6.0e-4	0.04	-0.99	-0.94	-0.91	-0.89	-0.84	4185	1.0
y_mean[263]	-0.89	4.7e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	4582	1.0
y_mean[264]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4511	1.0
y_mean[265]	0.44	5.5e-4	0.04	0.37	0.42	0.44	0.47	0.51	4317	1.0
y_mean[266]	-1.05	4.4e-4	0.03	-1.11	-1.07	-1.05	-1.03	-0.99	4529	1.0
y_mean[267]	-0.62	3.8e-4	0.03	-0.66	-0.63	-0.62	-0.6	-0.56	4514	1.0
y_mean[268]	-0.43	3.2e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	4651	1.0
y_mean[269]	-0.58	3.5e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.54	4488	1.0
y_mean[270]	0.15	3.6e-4	0.02	0.1	0.13	0.15	0.17	0.2	4370	1.0
y_mean[271]	0.01	3.9e-4	0.03	-0.04	-3.4e-3	0.01	0.03	0.07	4608	1.0
y_mean[272]	-0.63	5.6e-4	0.04	-0.7	-0.65	-0.63	-0.6	-0.55	4276	1.0
y_mean[273]	0.36	4.7e-4	0.03	0.29	0.33	0.36	0.38	0.42	4291	1.0
y_mean[274]	0.09	4.6e-4	0.03	0.03	0.07	0.09	0.11	0.15	4337	1.0
y_mean[275]	0.22	3.6e-4	0.02	0.17	0.2	0.22	0.24	0.27	4522	1.0
y_mean[276]	1.51	1.0e-3	0.06	1.39	1.47	1.52	1.56	1.64	3574	1.0
y_mean[277]	0.23	3.9e-4	0.03	0.18	0.21	0.23	0.24	0.28	4265	1.0
y_mean[278]	-1.08	6.2e-4	0.04	-1.16	-1.11	-1.08	-1.06	-1.0	4509	1.0
y_mean[279]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4504	1.0
y_mean[280]	-0.37	3.5e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	4343	1.0
y_mean[281]	-0.11	4.1e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.05	4731	1.0
y_mean[282]	0.21	6.1e-4	0.04	0.14	0.19	0.21	0.24	0.29	3795	1.0
y_mean[283]	0.26	4.3e-4	0.03	0.2	0.24	0.26	0.28	0.31	4023	1.0
y_mean[284]	-0.57	3.8e-4	0.03	-0.62	-0.59	-0.57	-0.55	-0.52	4438	1.0
y_mean[285]	0.64	4.6e-4	0.03	0.58	0.62	0.64	0.66	0.7	4815	1.0
y_mean[286]	-0.75	4.1e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4557	1.0
y_mean[287]	-0.1	3.3e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	4700	1.0
y_mean[288]	0.21	4.7e-4	0.03	0.15	0.19	0.21	0.24	0.28	4758	1.0
y_mean[289]	-0.27	5.0e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4587	1.0
y_mean[290]	-0.45	4.1e-4	0.03	-0.51	-0.47	-0.45	-0.44	-0.4	4156	1.0
y_mean[291]	0.32	7.8e-4	0.05	0.23	0.29	0.32	0.35	0.42	3643	1.0
y_mean[292]	-0.39	3.0e-4	0.02	-0.43	-0.4	-0.39	-0.38	-0.35	4727	1.0

y_mean[293]	0.28	6.1e-4	0.04	0.2	0.25	0.28	0.31	0.36	4489	1.0
y_mean[294]	-0.27	5.7e-4	0.04	-0.34	-0.29	-0.27	-0.24	-0.19	4513	1.0
y_mean[295]	-0.02	3.1e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	4646	1.0
y_mean[296]	-0.39	3.7e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	4859	1.0
y_mean[297]	-1.1	4.6e-4	0.03	-1.16	-1.12	-1.1	-1.08	-1.04	4501	1.0
y_mean[298]	0.17	4.0e-4	0.03	0.11	0.15	0.17	0.19	0.22	4955	1.0
y_mean[299]	0.2	3.6e-4	0.02	0.16	0.19	0.2	0.22	0.25	4376	1.0
y_mean[300]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4518	1.0
y_mean[301]	0.65	4.3e-4	0.03	0.6	0.63	0.65	0.67	0.71	4643	1.0
y_mean[302]	-0.95	5.0e-4	0.03	-1.02	-0.98	-0.95	-0.93	-0.89	4411	1.0
y_mean[303]	0.1	3.5e-4	0.02	0.05	0.08	0.1	0.11	0.14	4383	1.0
y_mean[304]	0.57	6.2e-4	0.04	0.49	0.54	0.57	0.6	0.65	4317	1.0
y_mean[305]	2.73	1.3e-3	0.09	2.56	2.67	2.73	2.79	2.9	4742	1.0
y_mean[306]	0.69	8.3e-4	0.05	0.59	0.65	0.69	0.72	0.79	3924	1.0
y_mean[307]	-0.73	4.1e-4	0.03	-0.79	-0.75	-0.73	-0.71	-0.67	4679	1.0
y_mean[308]	0.07	6.3e-4	0.04	-6.0e-3	0.04	0.07	0.1	0.15	3821	1.0
y_mean[309]	-0.54	6.3e-4	0.04	-0.63	-0.57	-0.55	-0.52	-0.46	4482	1.0
y_mean[310]	-0.07	4.1e-4	0.03	-0.12	-0.08	-0.07	-0.05	-0.01	4631	1.0
y_mean[311]	-0.27	4.7e-4	0.03	-0.33	-0.29	-0.27	-0.26	-0.22	3786	1.0
y_mean[312]	-1.03	8.5e-4	0.06	-1.15	-1.07	-1.03	-1.0	-0.92	4615	1.0
y_mean[313]	-0.14	3.6e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.09	4671	1.0
y_mean[314]	0.72	4.5e-4	0.03	0.66	0.7	0.72	0.74	0.78	4626	1.0
y_mean[315]	0.57	4.4e-4	0.03	0.51	0.54	0.57	0.59	0.62	4652	1.0
y_mean[316]	0.13	6.5e-4	0.05	0.04	0.1	0.13	0.16	0.22	4780	1.0
y_mean[317]	-0.23	3.2e-4	0.02	-0.27	-0.24	-0.23	-0.21	-0.18	5302	1.0
y_mean[318]	-0.39	4.0e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.34	4897	1.0
y_mean[319]	-0.51	3.4e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.46	4768	1.0
y_mean[320]	0.57	7.3e-4	0.05	0.48	0.54	0.57	0.6	0.65	3914	1.0
y_mean[321]	-0.06	4.2e-4	0.03	-0.12	-0.08	-0.06	-0.05	-9.3e-3	4632	1.0
y_mean[322]	0.67	4.6e-4	0.03	0.6	0.65	0.67	0.69	0.73	4827	1.0
y_mean[323]	-0.38	6.6e-4	0.05	-0.47	-0.41	-0.38	-0.35	-0.29	4872	1.0
y_mean[324]	-0.03	5.2e-4	0.03	-0.09	-0.05	-0.03	-4.6e-3	0.04	4331	1.0
y_mean[325]	-0.34	5.6e-4	0.04	-0.41	-0.36	-0.34	-0.31	-0.26	4565	1.0
y_mean[326]	-0.07	5.8e-4	0.04	-0.15	-0.1	-0.07	-0.05	4.6e-3	4423	1.0
y_mean[327]	-0.41	6.9e-4	0.05	-0.5	-0.44	-0.41	-0.38	-0.33	4383	1.0
y_mean[328]	0.57	4.6e-4	0.03	0.51	0.55	0.57	0.59	0.64	4800	1.0
y_mean[329]	-0.84	7.7e-4	0.05	-0.94	-0.87	-0.84	-0.8	-0.73	4910	1.0
y_mean[330]	0.38	7.2e-4	0.05	0.28	0.34	0.38	0.41	0.47	4959	1.0
y_mean[331]	0.55	4.2e-4	0.03	0.49	0.53	0.55	0.57	0.6	4711	1.0
y_mean[332]	0.41	5.6e-4	0.04	0.33	0.38	0.41	0.44	0.49	5217	1.0
y_mean[333]	-0.23	3.1e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.19	4715	1.0
y_mean[334]	-0.53	3.3e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4578	1.0
y_mean[335]	0.54	6.5e-4	0.04	0.45	0.51	0.54	0.56	0.62	4025	1.0
y_mean[336]	0.38	5.4e-4	0.03	0.31	0.35	0.38	0.4	0.45	4078	1.0
y_mean[337]	-0.41	5.9e-4	0.04	-0.48	-0.44	-0.41	-0.38	-0.33	4319	1.0
y_mean[338]	0.69	5.7e-4	0.04	0.6	0.66	0.69	0.71	0.76	4840	1.0
y_mean[339]	0.87	4.6e-4	0.03	0.81	0.85	0.87	0.89	0.93	4642	1.0
y_mean[340]	0.32	4.4e-4	0.03	0.26	0.3	0.32	0.33	0.37	4364	1.0

y_mean[341]	0.42	4.4e-4	0.03	0.36	0.4	0.42	0.44	0.48	4868	1.0
y_mean[342]	-0.24	3.5e-4	0.02	-0.28	-0.25	-0.24	-0.22	-0.19	4646	1.0
y_mean[343]	0.26	4.0e-4	0.03	0.21	0.24	0.26	0.28	0.31	4721	1.0
y_mean[344]	-0.01	6.1e-4	0.04	-0.09	-0.04	-9.9e-3	0.02	0.07	4275	1.0
y_mean[345]	-1.52	7.4e-4	0.05	-1.62	-1.55	-1.52	-1.48	-1.42	4488	1.0
y_mean[346]	-0.2	5.6e-4	0.04	-0.28	-0.23	-0.2	-0.18	-0.12	4860	1.0
y_mean[347]	1.82	9.2e-4	0.06	1.69	1.77	1.82	1.86	1.94	4557	1.0
y_mean[348]	-0.48	3.2e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	4623	1.0
y_mean[349]	-0.94	4.7e-4	0.03	-1.0	-0.96	-0.94	-0.92	-0.88	4439	1.0
y_mean[350]	1.2	5.7e-4	0.04	1.12	1.17	1.2	1.23	1.28	4996	1.0
y_mean[351]	-0.4	4.3e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.35	4372	1.0
y_mean[352]	0.25	4.0e-4	0.03	0.2	0.24	0.25	0.27	0.31	4759	1.0
y_mean[353]	0.15	5.7e-4	0.04	0.08	0.13	0.15	0.18	0.22	3838	1.0
y_mean[354]	0.83	7.7e-4	0.05	0.73	0.79	0.83	0.86	0.93	4260	1.0
y_mean[355]	1.87	8.6e-4	0.06	1.76	1.83	1.87	1.91	1.98	4556	1.0
y_mean[356]	0.56	7.2e-4	0.05	0.46	0.53	0.56	0.59	0.66	4621	1.0
y_mean[357]	0.21	4.0e-4	0.03	0.16	0.19	0.21	0.23	0.27	4988	1.0
y_mean[358]	-0.4	6.2e-4	0.04	-0.48	-0.42	-0.4	-0.37	-0.31	4551	1.0
y_mean[359]	-0.77	6.0e-4	0.04	-0.85	-0.8	-0.77	-0.74	-0.69	4837	1.0
y_mean[360]	-0.87	5.4e-4	0.04	-0.94	-0.9	-0.87	-0.85	-0.8	4774	1.0
y_mean[361]	-0.32	5.1e-4	0.03	-0.38	-0.34	-0.32	-0.3	-0.26	3837	1.0
y_mean[362]	-0.94	4.6e-4	0.03	-1.0	-0.96	-0.94	-0.92	-0.88	4509	1.0
y_mean[363]	0.03	3.2e-4	0.02	-8.8e-3	0.02	0.03	0.05	0.07	4500	1.0
y_mean[364]	-0.53	3.4e-4	0.02	-0.58	-0.55	-0.53	-0.52	-0.49	4442	1.0
y_mean[365]	2.5	1.2e-3	0.07	2.35	2.45	2.51	2.56	2.65	3908	1.0
y_mean[366]	0.19	7.5e-4	0.05	0.09	0.15	0.18	0.22	0.28	4120	1.0
y_mean[367]	-0.54	3.4e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.5	4573	1.0
y_mean[368]	0.16	3.6e-4	0.02	0.12	0.15	0.16	0.18	0.21	4499	1.0
y_mean[369]	0.04	3.7e-4	0.03	-0.01	0.02	0.04	0.05	0.08	4753	1.0
y_mean[370]	2.7	1.4e-3	0.09	2.52	2.64	2.7	2.77	2.88	4270	1.0
y_mean[371]	0.16	3.4e-4	0.02	0.11	0.14	0.16	0.17	0.2	4788	1.0
y_mean[372]	-0.62	3.6e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4680	1.0
y_mean[373]	1.23	6.7e-4	0.05	1.14	1.2	1.23	1.26	1.32	4797	1.0
y_mean[374]	-0.27	4.2e-4	0.03	-0.32	-0.28	-0.27	-0.25	-0.21	4608	1.0
y_mean[375]	0.45	4.5e-4	0.03	0.39	0.43	0.45	0.47	0.51	4830	1.0
y_mean[376]	-0.45	3.9e-4	0.03	-0.5	-0.47	-0.45	-0.44	-0.4	4231	1.0
y_mean[377]	0.57	8.8e-4	0.06	0.46	0.53	0.57	0.6	0.68	4136	1.0
y_mean[378]	-0.27	4.1e-4	0.03	-0.32	-0.29	-0.27	-0.25	-0.21	4629	1.0
y_mean[379]	-0.21	5.4e-4	0.04	-0.28	-0.23	-0.21	-0.19	-0.14	4500	1.0
y_mean[380]	-1.52	6.3e-4	0.04	-1.6	-1.54	-1.52	-1.49	-1.43	4550	1.0
y_mean[381]	-0.1	3.7e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	4635	1.0
y_mean[382]	1.35	7.0e-4	0.05	1.26	1.32	1.35	1.38	1.44	4461	1.0
y_mean[383]	0.31	4.9e-4	0.03	0.24	0.28	0.31	0.33	0.37	4859	1.0
y_mean[384]	-0.62	3.7e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4509	1.0
y_mean[385]	0.14	3.5e-4	0.02	0.09	0.13	0.14	0.16	0.19	4858	1.0
y_mean[386]	0.95	7.7e-4	0.05	0.85	0.92	0.95	0.99	1.06	4830	1.0
y_mean[387]	0.22	3.9e-4	0.03	0.17	0.2	0.22	0.24	0.27	4325	1.0
y_mean[388]	-1.02	5.8e-4	0.04	-1.09	-1.04	-1.02	-0.99	-0.94	4448	1.0

y_mean[389]	0.57	4.2e-4	0.03	0.51	0.55	0.57	0.59	0.63	4692	1.0
y_mean[390]	2.08	1.3e-3	0.09	1.91	2.03	2.08	2.14	2.25	4508	1.0
y_mean[391]	-0.34	4.2e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.28	4310	1.0
y_mean[392]	0.28	3.9e-4	0.03	0.23	0.26	0.28	0.29	0.33	4058	1.0
y_mean[393]	-0.12	5.4e-4	0.03	-0.18	-0.14	-0.12	-0.09	-0.05	3882	1.0
y_mean[394]	-0.49	3.0e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	4721	1.0
y_mean[395]	-0.85	4.9e-4	0.03	-0.91	-0.87	-0.85	-0.82	-0.78	4474	1.0
y_mean[396]	0.44	9.1e-4	0.06	0.33	0.4	0.44	0.48	0.55	4063	1.0
y_mean[397]	-0.45	3.7e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.4	4299	1.0
y_mean[398]	0.4	5.8e-4	0.04	0.33	0.38	0.4	0.42	0.47	3649	1.0
y_mean[399]	0.24	4.1e-4	0.03	0.19	0.23	0.24	0.26	0.3	4124	1.0
y_mean[400]	-1.12	4.9e-4	0.03	-1.18	-1.14	-1.12	-1.1	-1.06	4534	1.0
y_mean[401]	-0.08	4.3e-4	0.03	-0.13	-0.1	-0.08	-0.06	-0.02	4617	1.0
y_mean[402]	-0.41	3.3e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	4655	1.0
y_mean[403]	-0.55	3.2e-4	0.02	-0.59	-0.56	-0.55	-0.53	-0.5	4523	1.0
y_mean[404]	1.22	8.7e-4	0.05	1.11	1.18	1.22	1.25	1.32	3670	1.0
y_mean[405]	0.24	3.9e-4	0.03	0.19	0.22	0.24	0.25	0.29	4248	1.0
y_mean[406]	-0.28	4.9e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	4089	1.0
y_mean[407]	-0.35	4.1e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	4009	1.0
y_mean[408]	0.44	4.3e-4	0.03	0.38	0.42	0.44	0.46	0.5	4836	1.0
y_mean[409]	0.22	3.1e-4	0.02	0.18	0.2	0.22	0.23	0.26	4656	1.0
y_mean[410]	-0.06	4.0e-4	0.03	-0.11	-0.08	-0.06	-0.04	-3.8e-3	4642	1.0
y_mean[411]	1.62	8.4e-4	0.06	1.51	1.59	1.62	1.66	1.74	4602	1.0
y_mean[412]	-0.19	4.3e-4	0.03	-0.25	-0.21	-0.19	-0.18	-0.14	4603	1.0
y_mean[413]	-0.3	4.6e-4	0.03	-0.36	-0.32	-0.3	-0.29	-0.25	3852	1.0
y_mean[414]	0.99	5.1e-4	0.03	0.92	0.97	0.99	1.01	1.06	4441	1.0
y_mean[415]	-0.4	4.0e-4	0.03	-0.45	-0.41	-0.4	-0.38	-0.35	4515	1.0
y_mean[416]	-0.46	3.5e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	4747	1.0
y_mean[417]	1.7	1.2e-3	0.07	1.55	1.65	1.7	1.75	1.85	4187	1.0
y_mean[418]	-0.5	4.2e-4	0.03	-0.56	-0.52	-0.51	-0.49	-0.45	4389	1.0
y_mean[419]	-0.66	4.3e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	4478	1.0
y_mean[420]	-0.17	3.7e-4	0.03	-0.22	-0.18	-0.17	-0.15	-0.12	4718	1.0
y_mean[421]	0.38	4.9e-4	0.03	0.32	0.36	0.38	0.4	0.44	3981	1.0
y_mean[422]	-0.53	5.4e-4	0.04	-0.6	-0.55	-0.53	-0.51	-0.46	4632	1.0
y_mean[423]	-0.41	4.7e-4	0.03	-0.48	-0.44	-0.41	-0.39	-0.35	4902	1.0
y_mean[424]	0.09	3.1e-4	0.02	0.04	0.07	0.09	0.1	0.13	4692	1.0
y_mean[425]	-0.49	3.2e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	4616	1.0
y_mean[426]	0.61	4.2e-4	0.03	0.55	0.59	0.61	0.63	0.66	4648	1.0
y_mean[427]	-0.42	3.2e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	4540	1.0
y_mean[428]	0.06	3.5e-4	0.02	0.01	0.04	0.06	0.07	0.1	4764	1.0
y_mean[429]	0.68	4.4e-4	0.03	0.62	0.66	0.68	0.7	0.73	4765	1.0
y_mean[430]	-0.04	4.3e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	4569	1.0
y_mean[431]	0.66	6.5e-4	0.04	0.58	0.64	0.66	0.69	0.74	3678	1.0
y_mean[432]	-0.08	4.1e-4	0.03	-0.13	-0.1	-0.08	-0.06	-0.03	4340	1.0
y_mean[433]	-0.69	3.9e-4	0.03	-0.74	-0.71	-0.69	-0.67	-0.63	4623	1.0
y_mean[434]	0.19	4.1e-4	0.03	0.13	0.17	0.19	0.21	0.24	4987	1.0
y_mean[435]	0.13	3.0e-4	0.02	0.09	0.12	0.13	0.15	0.17	4824	1.0
y_mean[436]	-0.36	3.9e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.3	4711	1.0

y_mean[437]	-0.64	3.9e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.59	4493	1.0
y_mean[438]	0.21	6.9e-4	0.04	0.13	0.18	0.21	0.24	0.29	3849	1.0
y_mean[439]	-0.46	3.8e-4	0.03	-0.51	-0.47	-0.46	-0.44	-0.4	4800	1.0
y_mean[440]	0.86	8.1e-4	0.05	0.76	0.83	0.86	0.9	0.96	3646	1.0
y_mean[441]	-0.09	3.4e-4	0.02	-0.14	-0.11	-0.09	-0.07	-0.04	4653	1.0
y_mean[442]	-0.4	4.2e-4	0.03	-0.45	-0.42	-0.4	-0.38	-0.34	4908	1.0
y_mean[443]	-0.2	4.9e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	3984	1.0
y_mean[444]	-1.01	5.7e-4	0.04	-1.08	-1.04	-1.01	-0.99	-0.94	4428	1.0
y_mean[445]	-0.15	5.9e-4	0.04	-0.22	-0.17	-0.15	-0.12	-0.08	3717	1.0
y_mean[446]	0.81	7.7e-4	0.05	0.71	0.77	0.81	0.84	0.9	3775	1.0
y_mean[447]	-0.33	3.7e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.28	4510	1.0
y_mean[448]	0.15	7.8e-4	0.05	0.05	0.12	0.15	0.19	0.25	4597	1.0
y_mean[449]	1.1	8.4e-4	0.05	0.99	1.06	1.1	1.13	1.2	3953	1.0
y_mean[450]	1.84	8.1e-4	0.06	1.73	1.81	1.84	1.88	1.95	4771	1.0
y_mean[451]	0.95	6.8e-4	0.04	0.86	0.92	0.95	0.97	1.03	3975	1.0
y_mean[452]	0.43	7.0e-4	0.05	0.34	0.4	0.43	0.46	0.52	4399	1.0
y_mean[453]	0.42	4.4e-4	0.03	0.36	0.4	0.42	0.44	0.48	4868	1.0
y_mean[454]	0.83	7.4e-4	0.05	0.73	0.79	0.83	0.86	0.92	4300	1.0
y_mean[455]	0.6	4.3e-4	0.03	0.55	0.58	0.6	0.62	0.66	4635	1.0
y_mean[456]	-0.34	3.7e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.29	4221	1.0
y_mean[457]	0.74	6.0e-4	0.04	0.66	0.72	0.74	0.77	0.82	4261	1.0
y_mean[458]	0.85	8.0e-4	0.06	0.74	0.81	0.85	0.89	0.96	4961	1.0
y_mean[459]	0.08	5.7e-4	0.04	5.6e-3	0.06	0.08	0.11	0.15	4145	1.0
y_mean[460]	-4.0e-3	5.4e-4	0.04	-0.07	-0.03	-4.2e-3	0.02	0.07	4520	1.0
y_mean[461]	-1.1	4.9e-4	0.03	-1.17	-1.12	-1.1	-1.08	-1.04	4500	1.0
y_mean[462]	0.14	5.1e-4	0.03	0.07	0.12	0.14	0.16	0.21	4374	1.0
y_mean[463]	-1.11	4.7e-4	0.03	-1.17	-1.13	-1.11	-1.09	-1.05	4489	1.0
y_mean[464]	-0.07	3.9e-4	0.03	-0.13	-0.09	-0.07	-0.06	-0.02	4652	1.0
y_mean[465]	-0.29	5.3e-4	0.03	-0.35	-0.31	-0.29	-0.26	-0.22	3880	1.0
y_mean[466]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4520	1.0
y_mean[467]	0.54	4.5e-4	0.03	0.48	0.51	0.54	0.56	0.59	4683	1.0
y_mean[468]	-0.77	4.3e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	4859	1.0
y_mean[469]	0.15	3.4e-4	0.02	0.11	0.14	0.15	0.17	0.19	4481	1.0
y_mean[470]	0.02	3.3e-4	0.02	-0.03	4.2e-4	0.02	0.03	0.06	4693	1.0
y_mean[471]	1.58	6.1e-4	0.04	1.5	1.55	1.58	1.61	1.66	4557	1.0
y_mean[472]	-0.72	4.2e-4	0.03	-0.78	-0.74	-0.72	-0.7	-0.66	4688	1.0
y_mean[473]	-0.02	3.1e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	4646	1.0
y_mean[474]	-0.29	4.3e-4	0.03	-0.34	-0.3	-0.29	-0.27	-0.23	3963	1.0
y_mean[475]	1.77	8.4e-4	0.05	1.66	1.73	1.77	1.8	1.87	3915	1.0
y_mean[476]	0.42	7.4e-4	0.05	0.33	0.39	0.42	0.46	0.52	4147	1.0
y_mean[477]	-0.07	3.2e-4	0.02	-0.11	-0.08	-0.07	-0.06	-0.03	4663	1.0
y_mean[478]	-0.05	3.9e-4	0.03	-0.1	-0.06	-0.05	-0.03	4.7e-3	4593	1.0
y_mean[479]	-0.38	3.4e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.33	4671	1.0
y_mean[480]	-0.56	3.5e-4	0.02	-0.61	-0.58	-0.56	-0.54	-0.51	4565	1.0
y_mean[481]	-0.43	3.4e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	4793	1.0
y_mean[482]	0.21	3.6e-4	0.02	0.17	0.2	0.21	0.23	0.26	4637	1.0
y_mean[483]	-0.62	4.4e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.56	4524	1.0
y_mean[484]	-0.63	3.7e-4	0.02	-0.67	-0.64	-0.63	-0.61	-0.58	4503	1.0

y_mean[485]	-0.08	3.9e-4	0.03	-0.13	-0.1	-0.08	-0.06	-0.03	4663	1.0
y_mean[486]	-0.73	5.1e-4	0.03	-0.79	-0.75	-0.73	-0.7	-0.66	4432	1.0
y_mean[487]	-0.4	3.5e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	4819	1.0
y_mean[488]	-0.63	3.5e-4	0.02	-0.67	-0.64	-0.63	-0.61	-0.58	4524	1.0
y_mean[489]	-0.16	3.5e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	4962	1.0
y_mean[490]	1.83	8.0e-4	0.05	1.73	1.79	1.83	1.86	1.93	4024	1.0
y_mean[491]	-0.69	4.2e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.63	4465	1.0
y_mean[492]	0.27	5.4e-4	0.04	0.2	0.24	0.27	0.29	0.34	4823	1.0
y_mean[493]	0.79	6.9e-4	0.05	0.69	0.76	0.79	0.82	0.89	5072	1.0
y_mean[494]	-0.27	4.9e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4594	1.0
y_mean[495]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4506	1.0
y_mean[496]	-0.89	4.8e-4	0.03	-0.96	-0.91	-0.89	-0.87	-0.83	4615	1.0
y_mean[497]	0.2	3.7e-4	0.03	0.14	0.18	0.19	0.21	0.24	4900	1.0
y_mean[498]	-0.27	7.6e-4	0.05	-0.38	-0.31	-0.27	-0.23	-0.16	4931	1.0
y_mean[499]	0.7	4.5e-4	0.03	0.63	0.68	0.7	0.72	0.76	4811	1.0
y_mean[500]	0.55	4.2e-4	0.03	0.49	0.53	0.55	0.57	0.61	4728	1.0
y_mean[501]	4.3e-3	2.8e-4	0.02	-0.04	-9.3e-3	4.4e-3	0.02	0.04	5015	1.0
y_mean[502]	0.56	7.1e-4	0.04	0.48	0.53	0.56	0.59	0.64	3541	1.0
y_mean[503]	0.58	4.6e-4	0.03	0.52	0.55	0.58	0.6	0.64	4601	1.0
y_mean[504]	-0.7	5.8e-4	0.04	-0.77	-0.72	-0.7	-0.67	-0.62	4454	1.0
y_mean[505]	-0.05	3.2e-4	0.02	-0.09	-0.06	-0.05	-0.03	-6.0e-3	4638	1.0
y_mean[506]	-0.18	7.2e-4	0.05	-0.28	-0.22	-0.18	-0.15	-0.08	4959	1.0
y_mean[507]	-0.37	4.7e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.32	3952	1.0
y_mean[508]	0.05	5.3e-4	0.03	-0.01	0.03	0.05	0.08	0.12	4069	1.0
y_mean[509]	-0.49	3.2e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	4613	1.0
y_mean[510]	-0.1	3.5e-4	0.02	-0.15	-0.12	-0.1	-0.08	-0.05	4652	1.0
y_mean[511]	1.05	9.3e-4	0.06	0.93	1.01	1.05	1.09	1.17	4035	1.0
y_mean[512]	0.39	7.4e-4	0.05	0.3	0.36	0.39	0.42	0.49	4041	1.0
y_mean[513]	0.32	4.3e-4	0.03	0.26	0.3	0.32	0.34	0.37	3925	1.0
y_mean[514]	-0.58	3.5e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4544	1.0
y_mean[515]	0.07	3.2e-4	0.02	0.03	0.05	0.07	0.08	0.11	4463	1.0
y_mean[516]	0.64	6.8e-4	0.04	0.56	0.62	0.64	0.67	0.73	3699	1.0
y_mean[517]	-0.21	4.4e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.15	4613	1.0
y_mean[518]	-0.54	3.2e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4525	1.0
y_mean[519]	-0.74	4.0e-4	0.03	-0.79	-0.75	-0.74	-0.72	-0.68	4616	1.0
y_mean[520]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4507	1.0
y_mean[521]	1.25	5.4e-4	0.04	1.18	1.23	1.25	1.28	1.32	4472	1.0
y_mean[522]	-1.05	4.8e-4	0.03	-1.12	-1.07	-1.05	-1.03	-0.99	4566	1.0
y_mean[523]	-0.01	4.4e-4	0.03	-0.07	-0.03	-0.01	5.6e-3	0.04	4320	1.0
y_mean[524]	1.45	9.6e-4	0.07	1.32	1.41	1.45	1.5	1.58	4871	1.0
y_mean[525]	-0.25	3.7e-4	0.02	-0.3	-0.27	-0.25	-0.24	-0.21	4302	1.0
y_mean[526]	-0.3	3.4e-4	0.02	-0.34	-0.31	-0.3	-0.28	-0.25	4540	1.0
y_mean[527]	-0.5	4.1e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	4386	1.0
y_mean[528]	-0.45	3.7e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	4337	1.0
y_mean[529]	-0.64	3.7e-4	0.02	-0.69	-0.66	-0.64	-0.62	-0.59	4496	1.0
y_mean[530]	-0.15	3.9e-4	0.03	-0.2	-0.17	-0.15	-0.14	-0.1	4261	1.0
y_mean[531]	0.36	4.7e-4	0.03	0.3	0.34	0.36	0.38	0.41	3834	1.0
y_mean[532]	-1.14	4.6e-4	0.03	-1.2	-1.16	-1.14	-1.12	-1.07	4476	1.0

y_mean[533]	-0.24	4.4e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.18	4647	1.0
y_mean[534]	-0.71	3.8e-4	0.03	-0.76	-0.73	-0.71	-0.69	-0.66	4589	1.0
y_mean[535]	0.15	3.3e-4	0.02	0.1	0.13	0.15	0.16	0.19	4642	1.0
y_mean[536]	-0.74	4.5e-4	0.03	-0.8	-0.76	-0.74	-0.72	-0.68	4731	1.0
y_mean[537]	1.8	8.4e-4	0.06	1.68	1.76	1.8	1.84	1.91	4919	1.0
y_mean[538]	0.27	3.6e-4	0.02	0.23	0.26	0.27	0.29	0.32	4152	1.0
y_mean[539]	0.7	6.7e-4	0.04	0.62	0.67	0.7	0.73	0.79	4446	1.0
y_mean[540]	1.42	7.1e-4	0.05	1.33	1.39	1.42	1.45	1.51	4278	1.0
y_mean[541]	0.77	4.6e-4	0.03	0.7	0.74	0.77	0.79	0.83	4610	1.0
y_mean[542]	-0.64	3.5e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4515	1.0
y_mean[543]	1.17	8.2e-4	0.05	1.06	1.13	1.17	1.2	1.27	4317	1.0
y_mean[544]	3.57	2.1e-3	0.13	3.31	3.49	3.57	3.66	3.83	4085	1.0
y_mean[545]	-0.05	6.4e-4	0.04	-0.14	-0.08	-0.05	-0.02	0.03	4674	1.0
y_mean[546]	-0.58	3.3e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.54	4509	1.0
y_mean[547]	-0.69	3.9e-4	0.03	-0.75	-0.71	-0.69	-0.68	-0.64	4622	1.0
y_mean[548]	-0.52	3.3e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.47	4598	1.0
y_mean[549]	-0.7	4.8e-4	0.03	-0.76	-0.72	-0.7	-0.67	-0.63	4690	1.0
y_mean[550]	-0.47	4.1e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.42	4207	1.0
y_mean[551]	-0.19	6.7e-4	0.04	-0.27	-0.22	-0.19	-0.16	-0.1	3986	1.0
y_mean[552]	-1.48	6.2e-4	0.04	-1.57	-1.51	-1.48	-1.46	-1.4	4599	1.0
y_mean[553]	-1.12	7.0e-4	0.05	-1.22	-1.15	-1.12	-1.09	-1.02	4951	1.0
y_mean[554]	-1.11	5.6e-4	0.04	-1.18	-1.13	-1.11	-1.08	-1.03	4527	1.0
y_mean[555]	1.05	8.2e-4	0.05	0.95	1.02	1.05	1.08	1.15	3707	1.0
y_mean[556]	-0.75	4.2e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4520	1.0
y_mean[557]	1.2	6.1e-4	0.04	1.12	1.17	1.2	1.23	1.28	4631	1.0
y_mean[558]	-0.31	3.6e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	4249	1.0
y_mean[559]	-0.46	3.3e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	4433	1.0
y_mean[560]	0.64	5.6e-4	0.04	0.57	0.62	0.64	0.67	0.71	3945	1.0
y_mean[561]	0.19	7.2e-4	0.05	0.09	0.16	0.19	0.23	0.3	5292	1.0
y_mean[562]	-0.62	4.0e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.57	4555	1.0
y_mean[563]	-0.71	3.9e-4	0.03	-0.77	-0.73	-0.71	-0.7	-0.66	4634	1.0
y_mean[564]	-0.17	5.3e-4	0.03	-0.24	-0.19	-0.17	-0.15	-0.11	3896	1.0
y_mean[565]	0.21	6.9e-4	0.04	0.13	0.18	0.21	0.24	0.3	3859	1.0
y_mean[566]	-0.64	4.2e-4	0.03	-0.7	-0.66	-0.64	-0.62	-0.58	4597	1.0
y_mean[567]	1.68	7.7e-4	0.05	1.58	1.65	1.69	1.72	1.79	4762	1.0
y_mean[568]	-0.08	3.6e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.03	4641	1.0
y_mean[569]	0.63	5.7e-4	0.04	0.56	0.6	0.63	0.65	0.7	4174	1.0
y_mean[570]	0.32	5.6e-4	0.03	0.26	0.3	0.32	0.35	0.39	3762	1.0
y_mean[571]	1.18	6.5e-4	0.04	1.1	1.15	1.18	1.21	1.27	4594	1.0
y_mean[572]	-0.94	4.6e-4	0.03	-1.0	-0.96	-0.94	-0.92	-0.88	4494	1.0
y_mean[573]	0.04	5.5e-4	0.03	-0.03	0.02	0.04	0.06	0.11	3917	1.0
y_mean[574]	-0.39	3.8e-4	0.02	-0.44	-0.4	-0.39	-0.37	-0.34	4181	1.0
y_mean[575]	-0.04	7.2e-4	0.05	-0.13	-0.07	-0.04	-9.7e-3	0.05	4087	1.0
y_mean[576]	0.36	6.1e-4	0.04	0.28	0.33	0.36	0.38	0.43	4020	1.0
y_mean[577]	2.2	1.0e-3	0.07	2.06	2.15	2.2	2.24	2.34	4725	1.0
y_mean[578]	-0.04	4.4e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	4548	1.0
y_mean[579]	-0.06	5.9e-4	0.04	-0.14	-0.09	-0.06	-0.04	0.01	4322	1.0
y_mean[580]	-0.59	7.1e-4	0.05	-0.68	-0.62	-0.59	-0.56	-0.5	4772	1.0

y_mean[581]	-0.29	4.0e-4	0.03	-0.34	-0.31	-0.29	-0.27	-0.24	4077	1.0
y_mean[582]	-6.3e-3	4.2e-4	0.03	-0.06	-0.03	-6.2e-3	0.01	0.05	4701	1.0
y_mean[583]	1.47	1.0e-3	0.06	1.35	1.43	1.47	1.51	1.59	3607	1.0
y_mean[584]	-0.03	4.9e-4	0.03	-0.1	-0.05	-0.03	-0.01	0.03	3974	1.0
y_mean[585]	0.09	4.7e-4	0.03	0.02	0.07	0.09	0.11	0.15	4755	1.0
y_mean[586]	-0.41	3.5e-4	0.02	-0.46	-0.42	-0.41	-0.39	-0.36	4826	1.0
y_mean[587]	-0.69	4.8e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.62	4698	1.0
y_mean[588]	-1.0	4.5e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.95	4524	1.0
y_mean[589]	0.11	3.2e-4	0.02	0.07	0.1	0.11	0.13	0.16	4522	1.0
y_mean[590]	-0.24	4.9e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.18	3829	1.0
y_mean[591]	0.27	7.1e-4	0.05	0.18	0.24	0.27	0.3	0.35	4043	1.0
y_mean[592]	-0.06	3.3e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	4653	1.0
y_mean[593]	1.03	10.0e-4	0.06	0.91	0.99	1.03	1.08	1.16	3997	1.0
y_mean[594]	0.13	4.7e-4	0.03	0.06	0.1	0.13	0.15	0.19	4908	1.0
y_mean[595]	0.67	4.4e-4	0.03	0.61	0.65	0.67	0.69	0.72	4564	1.0
y_mean[596]	0.49	1.0e-3	0.07	0.35	0.44	0.49	0.53	0.61	4166	1.0
y_mean[597]	-0.18	4.0e-4	0.03	-0.23	-0.2	-0.18	-0.16	-0.13	4662	1.0
y_mean[598]	0.54	4.2e-4	0.03	0.48	0.52	0.54	0.56	0.59	4746	1.0
y_mean[599]	-0.57	3.7e-4	0.02	-0.62	-0.59	-0.57	-0.55	-0.52	4570	1.0
y_mean[600]	-0.45	3.2e-4	0.02	-0.49	-0.46	-0.45	-0.44	-0.41	4556	1.0
y_mean[601]	-1.11	5.1e-4	0.03	-1.18	-1.14	-1.11	-1.09	-1.05	4532	1.0
y_mean[602]	-0.67	4.9e-4	0.03	-0.73	-0.69	-0.67	-0.64	-0.6	4804	1.0
y_mean[603]	-0.08	4.5e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	4200	1.0
y_mean[604]	-0.43	3.2e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	4649	1.0
y_mean[605]	-0.51	3.3e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	4614	1.0
y_mean[606]	-0.65	3.6e-4	0.02	-0.7	-0.67	-0.65	-0.63	-0.6	4508	1.0
y_mean[607]	-0.12	3.6e-4	0.02	-0.17	-0.13	-0.12	-0.1	-0.07	4648	1.0
y_mean[608]	1.83	1.7e-3	0.11	1.61	1.76	1.83	1.9	2.04	4194	1.0
y_mean[609]	0.04	3.3e-4	0.02	-4.3e-3	0.03	0.04	0.06	0.09	4728	1.0
y_mean[610]	-0.9	5.9e-4	0.04	-0.97	-0.92	-0.9	-0.87	-0.82	4191	1.0
y_mean[611]	-0.65	5.9e-4	0.04	-0.73	-0.68	-0.65	-0.63	-0.58	4210	1.0
y_mean[612]	-0.36	3.5e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	4647	1.0
y_mean[613]	-0.47	4.5e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	4352	1.0
y_mean[614]	0.13	3.3e-4	0.02	0.09	0.12	0.13	0.15	0.18	4501	1.0
y_mean[615]	-0.58	4.1e-4	0.03	-0.64	-0.6	-0.58	-0.57	-0.53	4564	1.0
y_mean[616]	-0.27	4.7e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.22	3800	1.0
y_mean[617]	-0.98	4.7e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	4627	1.0
y_mean[618]	-0.59	3.3e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	4508	1.0
y_mean[619]	-0.44	4.0e-4	0.03	-0.49	-0.45	-0.44	-0.42	-0.39	4173	1.0
y_mean[620]	-0.18	3.5e-4	0.02	-0.22	-0.19	-0.18	-0.16	-0.13	4496	1.0
y_mean[621]	-0.12	5.4e-4	0.03	-0.19	-0.14	-0.12	-0.09	-0.05	4123	1.0
y_mean[622]	-0.92	4.4e-4	0.03	-0.98	-0.94	-0.92	-0.9	-0.86	4590	1.0
y_mean[623]	-0.68	3.9e-4	0.03	-0.73	-0.7	-0.68	-0.66	-0.62	4790	1.0
y_mean[624]	0.25	4.0e-4	0.03	0.2	0.23	0.25	0.26	0.3	4156	1.0
y_mean[625]	-1.15	4.7e-4	0.03	-1.21	-1.17	-1.15	-1.13	-1.09	4452	1.0
y_mean[626]	-0.07	3.3e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.03	4654	1.0
y_mean[627]	-0.92	4.7e-4	0.03	-0.99	-0.94	-0.92	-0.9	-0.86	4474	1.0
y_mean[628]	-0.62	4.4e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.56	4524	1.0

y_mean[629]	-0.62	4.1e-4	0.03	-0.67	-0.64	-0.62	-0.6	-0.57	4556	1.0
y_mean[630]	-1.09	4.8e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4528	1.0
y_mean[631]	-0.01	3.5e-4	0.02	-0.06	-0.03	-0.01	5.7e-3	0.04	4530	1.0
y_mean[632]	0.69	4.5e-4	0.03	0.63	0.67	0.69	0.71	0.75	4544	1.0
y_mean[633]	0.59	4.2e-4	0.03	0.53	0.57	0.59	0.61	0.64	4586	1.0
y_mean[634]	0.23	9.5e-4	0.06	0.11	0.19	0.23	0.27	0.35	4103	1.0
y_mean[635]	-0.01	5.2e-4	0.03	-0.08	-0.03	-0.01	0.01	0.05	3914	1.0
y_mean[636]	2.37	1.2e-3	0.08	2.21	2.32	2.37	2.43	2.54	4840	1.0
y_mean[637]	0.04	6.8e-4	0.05	-0.05	5.3e-3	0.04	0.07	0.12	4430	1.0
y_mean[638]	-0.22	4.5e-4	0.03	-0.28	-0.24	-0.22	-0.2	-0.16	4610	1.0
y_mean[639]	-0.19	4.0e-4	0.03	-0.25	-0.21	-0.19	-0.18	-0.14	4117	1.0
y_mean[640]	-0.37	4.4e-4	0.03	-0.42	-0.39	-0.37	-0.35	-0.31	4002	1.0
y_mean[641]	-0.16	3.9e-4	0.03	-0.21	-0.18	-0.16	-0.15	-0.11	4242	1.0
y_mean[642]	-0.76	4.4e-4	0.03	-0.82	-0.78	-0.76	-0.74	-0.7	4785	1.0
y_mean[643]	0.16	5.7e-4	0.04	0.09	0.13	0.16	0.18	0.23	3857	1.0
y_mean[644]	1.91	7.6e-4	0.05	1.82	1.88	1.91	1.95	2.01	4207	1.0
y_mean[645]	1.37	9.0e-4	0.06	1.24	1.32	1.37	1.41	1.49	4920	1.0
y_mean[646]	0.71	4.7e-4	0.03	0.64	0.68	0.71	0.73	0.77	4475	1.0
y_mean[647]	0.79	5.1e-4	0.04	0.72	0.77	0.79	0.82	0.86	4905	1.0
y_mean[648]	-0.21	5.4e-4	0.03	-0.28	-0.24	-0.21	-0.19	-0.15	3901	1.0
y_mean[649]	0.08	3.9e-4	0.03	0.04	0.07	0.08	0.1	0.13	4307	1.0
y_mean[650]	-0.99	4.5e-4	0.03	-1.05	-1.01	-0.99	-0.97	-0.93	4569	1.0
y_mean[651]	-0.65	4.9e-4	0.03	-0.72	-0.68	-0.65	-0.63	-0.59	4647	1.0
y_mean[652]	0.03	7.2e-4	0.04	-0.05	5.1e-3	0.03	0.06	0.12	3725	1.0
y_mean[653]	-0.61	4.3e-4	0.03	-0.66	-0.63	-0.6	-0.59	-0.55	4541	1.0
y_mean[654]	-0.65	3.8e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	4491	1.0
y_mean[655]	0.78	5.7e-4	0.04	0.71	0.76	0.78	0.81	0.85	4334	1.0
y_mean[656]	0.31	6.7e-4	0.05	0.22	0.27	0.31	0.34	0.4	4607	1.0
y_mean[657]	0.11	3.9e-4	0.03	0.06	0.1	0.11	0.13	0.16	4321	1.0
y_mean[658]	0.04	5.2e-4	0.03	-0.03	0.02	0.04	0.06	0.11	4399	1.0
y_mean[659]	-0.61	4.3e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.55	4337	1.0
y_mean[660]	-1.01	4.7e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.95	4475	1.0
y_mean[661]	0.05	7.9e-4	0.05	-0.06	0.02	0.05	0.09	0.16	4817	1.0
y_mean[662]	-0.26	4.3e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.21	4800	1.0
y_mean[663]	-0.47	3.2e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	4509	1.0
y_mean[664]	0.1	3.2e-4	0.02	0.05	0.08	0.1	0.11	0.14	4472	1.0
y_mean[665]	0.57	4.8e-4	0.03	0.5	0.55	0.57	0.59	0.63	4593	1.0
y_mean[666]	-0.75	4.2e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.7	4520	1.0
y_mean[667]	-0.97	4.6e-4	0.03	-1.03	-0.99	-0.97	-0.95	-0.91	4615	1.0
y_mean[668]	-0.48	3.5e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	4720	1.0
y_mean[669]	-0.33	4.1e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.27	4816	1.0
y_mean[670]	-0.49	3.7e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	4380	1.0
y_mean[671]	0.33	7.8e-4	0.05	0.23	0.3	0.33	0.36	0.43	3874	1.0
y_mean[672]	-0.77	4.3e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.72	4557	1.0
y_mean[673]	-0.3	4.3e-4	0.03	-0.36	-0.32	-0.3	-0.28	-0.25	4098	1.0
y_mean[674]	-0.62	8.4e-4	0.05	-0.73	-0.66	-0.62	-0.58	-0.52	4206	1.0
y_mean[675]	-0.64	3.5e-4	0.02	-0.68	-0.66	-0.64	-0.62	-0.59	4536	1.0
y_mean[676]	-0.74	5.0e-4	0.03	-0.81	-0.76	-0.74	-0.72	-0.67	4761	1.0

y_mean[677]	0.83	5.0e-4	0.03	0.76	0.81	0.83	0.85	0.89	4564	1.0
y_mean[678]	0.37	5.5e-4	0.03	0.31	0.35	0.37	0.4	0.44	3903	1.0
y_mean[679]	-0.7	3.9e-4	0.03	-0.75	-0.72	-0.7	-0.68	-0.65	4503	1.0
y_mean[680]	-0.75	4.1e-4	0.03	-0.81	-0.77	-0.75	-0.73	-0.7	4571	1.0
y_mean[681]	-1.04	4.4e-4	0.03	-1.1	-1.06	-1.04	-1.02	-0.98	4548	1.0
y_mean[682]	1.32	6.5e-4	0.04	1.24	1.29	1.32	1.35	1.41	4553	1.0
y_mean[683]	-0.11	3.9e-4	0.03	-0.16	-0.13	-0.11	-0.09	-0.06	4920	1.0
y_mean[684]	-0.46	4.1e-4	0.03	-0.51	-0.47	-0.46	-0.44	-0.4	4342	1.0
y_mean[685]	0.75	4.6e-4	0.03	0.69	0.73	0.75	0.77	0.81	4561	1.0
y_mean[686]	-0.61	4.2e-4	0.03	-0.67	-0.63	-0.61	-0.59	-0.56	4529	1.0
y_mean[687]	-0.86	4.9e-4	0.03	-0.92	-0.88	-0.86	-0.83	-0.79	4604	1.0
y_mean[688]	-0.52	3.3e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	4594	1.0
y_mean[689]	-0.19	5.4e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3754	1.0
y_mean[690]	0.49	5.3e-4	0.03	0.42	0.46	0.49	0.51	0.55	3731	1.0
y_mean[691]	-0.11	5.5e-4	0.04	-0.19	-0.14	-0.11	-0.09	-0.04	4476	1.0
y_mean[692]	0.13	7.0e-4	0.04	0.05	0.1	0.13	0.16	0.22	3900	1.0
y_mean[693]	-0.6	3.3e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	4505	1.0
y_mean[694]	0.49	6.2e-4	0.04	0.42	0.47	0.49	0.52	0.56	3602	1.0
y_mean[695]	-0.65	3.5e-4	0.02	-0.7	-0.67	-0.65	-0.64	-0.61	4532	1.0
y_mean[696]	1.29	8.3e-4	0.06	1.18	1.25	1.29	1.32	1.39	4422	1.0
y_mean[697]	0.49	6.2e-4	0.04	0.41	0.46	0.49	0.52	0.56	3900	1.0
y_mean[698]	0.8	7.7e-4	0.05	0.7	0.77	0.8	0.83	0.9	4208	1.0
y_mean[699]	0.32	4.4e-4	0.03	0.26	0.3	0.32	0.34	0.37	4233	1.0
y_mean[700]	-0.46	3.2e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	4640	1.0
y_mean[701]	-0.95	4.6e-4	0.03	-1.02	-0.97	-0.95	-0.93	-0.89	4619	1.0
y_mean[702]	-0.06	3.3e-4	0.02	-0.11	-0.08	-0.06	-0.05	-0.02	4654	1.0
y_mean[703]	-0.01	5.8e-4	0.04	-0.08	-0.04	-0.01	0.01	0.06	3820	1.0
y_mean[704]	-0.04	3.2e-4	0.02	-0.08	-0.06	-0.04	-0.03	9.8e-4	4625	1.0
y_mean[705]	0.43	6.0e-4	0.04	0.36	0.41	0.43	0.46	0.5	3901	1.0
y_mean[706]	-0.44	3.5e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	4408	1.0
y_mean[707]	-0.41	4.4e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.35	4907	1.0
y_mean[708]	-0.73	4.2e-4	0.03	-0.78	-0.75	-0.73	-0.71	-0.68	4492	1.0
y_mean[709]	1.25	6.7e-4	0.04	1.17	1.22	1.25	1.28	1.34	4527	1.0
y_mean[710]	-0.73	4.9e-4	0.03	-0.79	-0.75	-0.73	-0.7	-0.66	4736	1.0
y_mean[711]	1.47	7.5e-4	0.05	1.37	1.44	1.47	1.5	1.56	4165	1.0
y_mean[712]	0.94	7.0e-4	0.05	0.85	0.91	0.94	0.97	1.03	4352	1.0
y_mean[713]	1.03	6.8e-4	0.04	0.95	1.0	1.03	1.06	1.11	4120	1.0
y_mean[714]	-0.61	3.9e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.56	4481	1.0
y_mean[715]	-0.12	3.6e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.08	4661	1.0
y_mean[716]	-0.64	3.8e-4	0.03	-0.69	-0.66	-0.64	-0.63	-0.59	4492	1.0
y_mean[717]	-0.25	3.0e-4	0.02	-0.29	-0.27	-0.25	-0.24	-0.21	4871	1.0
y_mean[718]	-0.54	3.6e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.49	4437	1.0
y_mean[719]	0.19	3.8e-4	0.02	0.14	0.18	0.19	0.21	0.24	4371	1.0
y_mean[720]	-0.72	4.3e-4	0.03	-0.77	-0.74	-0.72	-0.7	-0.66	4460	1.0
y_mean[721]	1.33	9.1e-4	0.06	1.21	1.29	1.34	1.38	1.46	4898	1.0
y_mean[722]	-0.4	3.3e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	4655	1.0
y_mean[723]	-0.17	4.4e-4	0.03	-0.23	-0.19	-0.17	-0.15	-0.11	4465	1.0
y_mean[724]	-0.49	3.2e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	4465	1.0

y_mean[725]	-1.06	4.7e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.0	4555	1.0
y_mean[726]	-0.64	3.7e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4498	1.0
y_mean[727]	-0.09	3.9e-4	0.03	-0.14	-0.11	-0.09	-0.07	-0.04	4692	1.0
y_mean[728]	-0.68	5.1e-4	0.03	-0.75	-0.7	-0.68	-0.66	-0.61	4672	1.0
y_mean[729]	0.21	3.5e-4	0.02	0.16	0.19	0.21	0.22	0.25	4706	1.0
y_mean[730]	0.27	4.9e-4	0.03	0.2	0.25	0.27	0.29	0.33	4422	1.0
y_mean[731]	-0.24	4.5e-4	0.03	-0.3	-0.26	-0.24	-0.23	-0.19	4098	1.0
y_mean[732]	-0.05	5.8e-4	0.04	-0.12	-0.07	-0.05	-0.02	0.02	3908	1.0
y_mean[733]	0.54	8.6e-4	0.06	0.43	0.5	0.54	0.58	0.65	4316	1.0
y_mean[734]	4.23	2.0e-3	0.14	3.95	4.14	4.22	4.32	4.49	4586	1.0
y_mean[735]	0.31	4.6e-4	0.03	0.25	0.29	0.31	0.33	0.37	4729	1.0
y_mean[736]	-0.74	4.3e-4	0.03	-0.8	-0.76	-0.74	-0.72	-0.68	4713	1.0
y_mean[737]	-0.08	4.9e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	3924	1.0
y_mean[738]	-1.2	4.8e-4	0.03	-1.27	-1.23	-1.21	-1.18	-1.14	4436	1.0
y_mean[739]	-0.05	3.3e-4	0.02	-0.1	-0.07	-0.05	-0.04	-7.9e-3	4630	1.0
y_mean[740]	0.1	3.1e-4	0.02	0.06	0.09	0.1	0.11	0.14	4537	1.0
y_mean[741]	1.54	1.2e-3	0.08	1.39	1.49	1.54	1.6	1.7	4272	1.0
y_mean[742]	-0.22	5.8e-4	0.04	-0.28	-0.24	-0.22	-0.19	-0.15	3741	1.0
y_mean[743]	1.49	1.1e-3	0.07	1.36	1.44	1.49	1.53	1.62	3573	1.0
y_mean[744]	0.44	4.7e-4	0.03	0.38	0.42	0.44	0.46	0.5	4341	1.0
y_mean[745]	-0.13	3.5e-4	0.02	-0.18	-0.15	-0.13	-0.11	-0.08	4747	1.0
y_mean[746]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.1	-1.07	-1.04	4519	1.0
y_mean[747]	0.38	4.9e-4	0.03	0.31	0.35	0.38	0.4	0.44	4180	1.0
y_mean[748]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4516	1.0
y_mean[749]	0.43	1.1e-3	0.07	0.29	0.38	0.43	0.48	0.57	4110	1.0
y_mean[750]	-0.48	3.3e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	4670	1.0
y_mean[751]	-0.54	3.4e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.5	4683	1.0
y_mean[752]	1.95	1.0e-3	0.07	1.82	1.91	1.95	2.0	2.08	4394	1.0
y_mean[753]	-0.18	4.3e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.13	4593	1.0
y_mean[754]	1.05	6.0e-4	0.04	0.97	1.03	1.06	1.08	1.13	4793	1.0
y_mean[755]	7.6e-3	5.9e-4	0.04	-0.07	-0.02	7.7e-3	0.03	0.08	3808	1.0
y_mean[756]	0.08	2.8e-4	0.02	0.04	0.06	0.08	0.09	0.11	4959	1.0
y_mean[757]	-1.11	6.2e-4	0.04	-1.19	-1.14	-1.11	-1.09	-1.03	4535	1.0
y_mean[758]	-0.2	4.7e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	4451	1.0
y_mean[759]	0.34	7.7e-4	0.05	0.24	0.3	0.33	0.37	0.43	3836	1.0
y_mean[760]	-0.65	3.6e-4	0.02	-0.7	-0.67	-0.65	-0.63	-0.6	4556	1.0
y_mean[761]	-0.18	5.0e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	4091	1.0
y_mean[762]	-0.21	4.8e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.15	3999	1.0
y_mean[763]	0.71	4.9e-4	0.03	0.65	0.69	0.71	0.74	0.78	4442	1.0
y_mean[764]	0.53	5.7e-4	0.04	0.45	0.5	0.53	0.55	0.6	4097	1.0
y_mean[765]	0.11	3.4e-4	0.02	0.06	0.09	0.11	0.12	0.15	4405	1.0
y_mean[766]	-0.35	5.0e-4	0.03	-0.41	-0.37	-0.35	-0.32	-0.28	3882	1.0
y_mean[767]	-0.15	3.8e-4	0.03	-0.2	-0.16	-0.15	-0.13	-0.09	4635	1.0
y_mean[768]	0.52	5.2e-4	0.04	0.45	0.5	0.52	0.55	0.59	4645	1.0
y_mean[769]	-0.44	2.8e-4	0.02	-0.47	-0.45	-0.44	-0.42	-0.4	4837	1.0
y_mean[770]	-0.65	4.0e-4	0.03	-0.71	-0.67	-0.66	-0.64	-0.6	4484	1.0
y_mean[771]	0.42	4.3e-4	0.03	0.37	0.4	0.42	0.44	0.48	4517	1.0
y_mean[772]	-0.7	3.8e-4	0.03	-0.75	-0.72	-0.7	-0.68	-0.65	4566	1.0

y_mean[773]	-0.21	4.5e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.15	4584	1.0
y_mean[774]	-0.39	3.8e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	4466	1.0
y_mean[775]	-0.29	4.4e-4	0.03	-0.34	-0.31	-0.29	-0.27	-0.23	3831	1.0
y_mean[776]	-0.02	3.6e-4	0.02	-0.06	-0.03	-0.02	-1.5e-3	0.03	4541	1.0
y_mean[777]	-0.67	3.9e-4	0.03	-0.72	-0.68	-0.67	-0.65	-0.61	4482	1.0
y_mean[778]	-0.47	4.3e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.41	4247	1.0
y_mean[779]	-0.15	3.6e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	4690	1.0
y_mean[780]	0.06	3.1e-4	0.02	0.02	0.05	0.06	0.08	0.1	4617	1.0
y_mean[781]	-0.41	3.5e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	4414	1.0
y_mean[782]	-0.14	4.0e-4	0.03	-0.19	-0.15	-0.14	-0.12	-0.08	4783	1.0
y_mean[783]	0.07	3.6e-4	0.02	0.02	0.06	0.07	0.09	0.12	4797	1.0
y_mean[784]	-0.07	3.3e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.03	4661	1.0
y_mean[785]	-0.13	3.7e-4	0.03	-0.18	-0.14	-0.13	-0.11	-0.08	4644	1.0
y_mean[786]	1.64	9.3e-4	0.06	1.53	1.6	1.64	1.68	1.75	3978	1.0
y_mean[787]	0.24	5.7e-4	0.04	0.16	0.21	0.24	0.26	0.31	4779	1.0
y_mean[788]	-0.34	3.4e-4	0.02	-0.38	-0.35	-0.34	-0.32	-0.29	4383	1.0
y_mean[789]	-0.06	4.7e-4	0.03	-0.12	-0.08	-0.06	-0.04	4.7e-3	4901	1.0
y_mean[790]	1.07	7.2e-4	0.05	0.98	1.04	1.07	1.1	1.16	4112	1.0
y_mean[791]	-0.74	4.2e-4	0.03	-0.8	-0.76	-0.74	-0.72	-0.69	4501	1.0
y_mean[792]	-0.78	4.3e-4	0.03	-0.83	-0.8	-0.78	-0.76	-0.72	4562	1.0
y_mean[793]	-0.22	4.0e-4	0.03	-0.28	-0.24	-0.22	-0.2	-0.17	4768	1.0
y_mean[794]	0.6	6.8e-4	0.04	0.52	0.57	0.6	0.63	0.68	3833	1.0
y_mean[795]	-0.3	4.6e-4	0.03	-0.37	-0.32	-0.3	-0.28	-0.24	4864	1.0
y_mean[796]	0.07	3.1e-4	0.02	0.02	0.05	0.07	0.08	0.11	4609	1.0
y_mean[797]	-0.08	6.2e-4	0.04	-0.16	-0.11	-0.08	-0.06	-4.8e-3	4446	1.0
y_mean[798]	0.08	8.9e-4	0.06	-0.03	0.04	0.08	0.12	0.19	4058	1.0
y_mean[799]	-0.02	3.8e-4	0.03	-0.07	-0.03	-0.02	9.4e-4	0.03	4529	1.0
y_mean[800]	2.03	9.6e-4	0.06	1.9	1.99	2.03	2.07	2.15	4354	1.0
y_mean[801]	0.62	5.9e-4	0.04	0.54	0.59	0.62	0.64	0.69	3912	1.0
y_mean[802]	-0.89	4.7e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.82	4643	1.0
y_mean[803]	-0.2	4.7e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	3914	1.0
y_mean[804]	0.06	5.2e-4	0.03	-4.4e-3	0.04	0.06	0.08	0.12	4037	1.0
y_mean[805]	0.66	6.0e-4	0.04	0.58	0.63	0.66	0.68	0.73	4133	1.0
y_mean[806]	-0.41	3.3e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	4655	1.0
y_mean[807]	0.51	4.3e-4	0.03	0.45	0.49	0.51	0.53	0.57	4745	1.0
y_mean[808]	-0.52	3.3e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.47	4598	1.0
y_mean[809]	-0.52	3.2e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.48	4470	1.0
y_mean[810]	0.1	3.3e-4	0.02	0.06	0.09	0.1	0.12	0.14	4449	1.0
y_mean[811]	-0.37	5.7e-4	0.04	-0.45	-0.4	-0.37	-0.35	-0.3	4599	1.0
y_mean[812]	-0.29	4.5e-4	0.03	-0.34	-0.31	-0.29	-0.27	-0.23	3932	1.0
y_mean[813]	-0.5	3.2e-4	0.02	-0.54	-0.51	-0.5	-0.49	-0.46	4539	1.0
y_mean[814]	-0.71	4.0e-4	0.03	-0.77	-0.73	-0.71	-0.7	-0.66	4511	1.0
y_mean[815]	-0.11	3.4e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	4712	1.0
y_mean[816]	-0.35	3.8e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	4767	1.0
y_mean[817]	1.11	1.1e-3	0.07	0.97	1.07	1.11	1.16	1.24	3545	1.0
y_mean[818]	-0.61	3.5e-4	0.02	-0.66	-0.63	-0.61	-0.59	-0.56	4508	1.0
y_mean[819]	0.2	7.9e-4	0.05	0.09	0.16	0.2	0.23	0.3	4520	1.0
y_mean[820]	-0.75	4.3e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.69	4497	1.0

y_mean[821]	-1.1	4.6e-4	0.03	-1.16	-1.12	-1.1	-1.08	-1.04	4501	1.0
y_mean[822]	-0.43	3.5e-4	0.02	-0.47	-0.45	-0.43	-0.41	-0.38	4410	1.0
y_mean[823]	0.02	4.7e-4	0.03	-0.04	-5.5e-4	0.02	0.04	0.08	4271	1.0
y_mean[824]	-0.7	3.8e-4	0.03	-0.75	-0.72	-0.7	-0.68	-0.65	4592	1.0
y_mean[825]	0.93	8.7e-4	0.06	0.81	0.89	0.93	0.97	1.05	4674	1.0
y_mean[826]	-0.13	9.4e-4	0.06	-0.25	-0.17	-0.13	-0.09	-9.2e-3	4354	1.0
y_mean[827]	-0.04	4.7e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	4207	1.0
y_mean[828]	0.08	6.1e-4	0.04	9.1e-3	0.06	0.08	0.11	0.16	3835	1.0
y_mean[829]	-1.12	5.6e-4	0.04	-1.2	-1.15	-1.12	-1.1	-1.05	4541	1.0
y_mean[830]	0.54	4.2e-4	0.03	0.48	0.52	0.54	0.56	0.59	4750	1.0
y_mean[831]	0.33	7.6e-4	0.05	0.24	0.3	0.33	0.36	0.42	3920	1.0
y_mean[832]	0.53	3.9e-4	0.03	0.48	0.51	0.53	0.55	0.58	4545	1.0
y_mean[833]	0.04	5.7e-4	0.04	-0.03	0.02	0.04	0.07	0.12	3983	1.0
y_mean[834]	-0.02	9.8e-4	0.07	-0.15	-0.07	-0.02	0.02	0.11	4453	1.0
y_mean[835]	1.1	1.0e-3	0.07	0.97	1.06	1.1	1.15	1.23	4060	1.0
y_mean[836]	-1.17	4.8e-4	0.03	-1.23	-1.19	-1.17	-1.15	-1.11	4429	1.0
y_mean[837]	-0.91	5.2e-4	0.03	-0.98	-0.94	-0.91	-0.89	-0.84	4355	1.0
y_mean[838]	3.15	2.1e-3	0.14	2.88	3.06	3.16	3.25	3.43	4620	1.0
y_mean[839]	0.08	5.4e-4	0.03	0.01	0.06	0.08	0.11	0.15	4072	1.0
y_mean[840]	-0.4	3.5e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	4709	1.0
y_mean[841]	-0.28	5.4e-4	0.04	-0.35	-0.3	-0.28	-0.25	-0.21	4572	1.0
y_mean[842]	-0.35	4.4e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.29	4204	1.0
y_mean[843]	-0.4	4.0e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.35	4904	1.0
y_mean[844]	0.51	6.5e-4	0.04	0.43	0.48	0.51	0.53	0.59	3884	1.0
y_mean[845]	0.8	5.7e-4	0.04	0.73	0.77	0.8	0.83	0.87	4294	1.0
y_mean[846]	0.64	4.6e-4	0.03	0.58	0.62	0.64	0.67	0.7	4428	1.0
y_mean[847]	-0.06	3.2e-4	0.02	-0.1	-0.07	-0.06	-0.05	-0.02	4655	1.0
y_mean[848]	0.36	1.2e-3	0.08	0.21	0.31	0.36	0.41	0.52	4632	1.0
y_mean[849]	0.17	4.2e-4	0.03	0.12	0.15	0.17	0.19	0.22	4097	1.0
y_mean[850]	-0.06	5.1e-4	0.03	-0.12	-0.08	-0.06	-0.04	2.9e-3	3885	1.0
y_mean[851]	0.18	3.9e-4	0.03	0.13	0.16	0.18	0.19	0.23	4323	1.0
y_mean[852]	-1.1	4.9e-4	0.03	-1.17	-1.12	-1.1	-1.08	-1.04	4500	1.0
y_mean[853]	0.1	4.5e-4	0.03	0.04	0.08	0.1	0.12	0.16	4830	1.0
y_mean[854]	-0.65	3.5e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.6	4543	1.0
y_mean[855]	-0.73	3.9e-4	0.03	-0.78	-0.74	-0.73	-0.71	-0.67	4582	1.0
y_mean[856]	-0.82	5.0e-4	0.03	-0.89	-0.84	-0.82	-0.8	-0.76	4370	1.0
y_mean[857]	-0.53	3.3e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.48	4590	1.0
y_mean[858]	-0.45	3.9e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	4290	1.0
y_mean[859]	-0.21	4.6e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.15	4356	1.0
y_mean[860]	-0.18	4.7e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.13	3961	1.0
y_mean[861]	-0.39	5.9e-4	0.04	-0.47	-0.42	-0.39	-0.37	-0.32	4275	1.0
y_mean[862]	-0.13	5.3e-4	0.03	-0.2	-0.15	-0.13	-0.11	-0.07	3796	1.0
y_mean[863]	-0.36	1.3e-3	0.09	-0.53	-0.42	-0.36	-0.3	-0.18	4397	1.0
y_mean[864]	0.13	6.8e-4	0.04	0.04	0.1	0.13	0.16	0.22	4187	1.0
y_mean[865]	-0.64	4.8e-4	0.03	-0.71	-0.67	-0.65	-0.62	-0.58	4611	1.0
y_mean[866]	-0.53	3.3e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.48	4590	1.0
y_mean[867]	-0.07	3.2e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.03	4664	1.0
y_mean[868]	0.6	4.6e-4	0.03	0.54	0.58	0.6	0.62	0.66	4561	1.0

y_mean[869]	-0.25	4.3e-4	0.03	-0.3	-0.26	-0.25	-0.23	-0.19	3990	1.0
y_mean[870]	0.19	5.0e-4	0.03	0.13	0.17	0.19	0.22	0.25	3979	1.0
y_mean[871]	0.02	6.0e-4	0.04	-0.05	-4.0e-3	0.02	0.04	0.09	3817	1.0
y_mean[872]	-0.13	4.8e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.06	4568	1.0
y_mean[873]	-0.59	6.5e-4	0.04	-0.68	-0.62	-0.59	-0.56	-0.51	4442	1.0
y_mean[874]	-0.38	3.0e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	4672	1.0
y_mean[875]	0.93	6.2e-4	0.04	0.86	0.91	0.93	0.96	1.01	3975	1.0
y_mean[876]	0.93	7.9e-4	0.06	0.82	0.89	0.93	0.97	1.04	4948	1.0
y_mean[877]	-0.05	3.9e-4	0.03	-0.1	-0.07	-0.05	-0.03	-1.3e-5	4604	1.0
y_mean[878]	-0.02	6.9e-4	0.04	-0.11	-0.05	-0.02	5.8e-3	0.06	4045	1.0
y_mean[879]	-0.18	5.2e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.11	3953	1.0
y_mean[880]	-0.2	5.0e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.13	4524	1.0
y_mean[881]	-0.38	3.4e-4	0.02	-0.43	-0.4	-0.38	-0.36	-0.33	4609	1.0
y_mean[882]	-0.77	4.7e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	4456	1.0
y_mean[883]	0.18	5.0e-4	0.04	0.11	0.16	0.18	0.21	0.25	4993	1.0
y_mean[884]	0.79	4.3e-4	0.03	0.73	0.77	0.79	0.81	0.85	4594	1.0
y_mean[885]	-0.68	4.2e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.63	4466	1.0
y_mean[886]	-0.13	5.8e-4	0.04	-0.2	-0.15	-0.13	-0.1	-0.06	3769	1.0
y_mean[887]	-0.42	3.3e-4	0.02	-0.47	-0.44	-0.42	-0.41	-0.38	4662	1.0
y_mean[888]	-0.4	3.3e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	4581	1.0
y_mean[889]	1.33	6.4e-4	0.04	1.25	1.3	1.33	1.36	1.42	4573	1.0
y_mean[890]	-0.59	3.3e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.55	4504	1.0
y_mean[891]	-0.29	5.3e-4	0.04	-0.36	-0.31	-0.29	-0.26	-0.21	4924	1.0
y_mean[892]	1.26	7.7e-4	0.05	1.15	1.22	1.26	1.29	1.35	4460	1.0
y_mean[893]	1.2	8.9e-4	0.06	1.09	1.16	1.2	1.24	1.31	3903	1.0
y_mean[894]	-0.32	3.7e-4	0.02	-0.37	-0.34	-0.32	-0.3	-0.27	4210	1.0
y_mean[895]	0.04	5.0e-4	0.03	-0.03	0.02	0.04	0.06	0.1	4311	1.0
y_mean[896]	-0.47	8.4e-4	0.06	-0.58	-0.51	-0.47	-0.43	-0.36	4418	1.0
y_mean[897]	-0.39	3.5e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	4362	1.0
y_mean[898]	-0.2	5.9e-4	0.04	-0.28	-0.23	-0.2	-0.18	-0.13	4076	1.0
y_mean[899]	0.73	6.4e-4	0.04	0.65	0.7	0.73	0.76	0.81	3986	1.0
y_mean[900]	-0.62	4.2e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.57	4636	1.0
y_mean[901]	0.18	3.4e-4	0.02	0.13	0.16	0.18	0.19	0.22	4760	1.0
y_mean[902]	1.2	9.0e-4	0.06	1.08	1.16	1.2	1.24	1.31	4016	1.0
y_mean[903]	-0.83	4.6e-4	0.03	-0.89	-0.85	-0.83	-0.81	-0.77	4633	1.0
y_mean[904]	0.37	7.4e-4	0.05	0.28	0.34	0.37	0.4	0.46	3962	1.0
y_mean[905]	-0.18	6.8e-4	0.05	-0.27	-0.21	-0.18	-0.15	-0.09	4948	1.0
y_mean[906]	0.92	8.9e-4	0.05	0.81	0.89	0.92	0.96	1.03	3619	1.0
y_mean[907]	0.05	3.1e-4	0.02	0.01	0.04	0.05	0.07	0.09	4581	1.0
y_mean[908]	-0.04	6.2e-4	0.04	-0.11	-0.07	-0.04	-0.02	0.03	3711	1.0
y_mean[909]	-0.44	3.3e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	4850	1.0
y_mean[910]	0.4	5.1e-4	0.03	0.33	0.38	0.4	0.42	0.46	4349	1.0
y_mean[911]	1.77	8.6e-4	0.06	1.65	1.73	1.77	1.81	1.88	4602	1.0
y_mean[912]	1.02	6.3e-4	0.04	0.93	0.99	1.02	1.05	1.1	4811	1.0
y_mean[913]	-0.35	4.4e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	4071	1.0
y_mean[914]	0.16	4.3e-4	0.03	0.1	0.14	0.16	0.18	0.21	4115	1.0
y_mean[915]	-0.19	3.8e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.14	4735	1.0
y_mean[916]	-6.3e-3	5.9e-4	0.04	-0.08	-0.03	-6.0e-3	0.02	0.06	3864	1.0

y_mean[917]	-1.07	4.6e-4	0.03	-1.13	-1.09	-1.07	-1.05	-1.01	4517	1.0
y_mean[918]	-0.6	5.6e-4	0.04	-0.67	-0.62	-0.6	-0.58	-0.53	4370	1.0
y_mean[919]	-0.37	3.4e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	4351	1.0
y_mean[920]	0.6	7.7e-4	0.05	0.5	0.57	0.6	0.63	0.69	3941	1.0
y_mean[921]	-0.67	3.9e-4	0.03	-0.72	-0.69	-0.67	-0.65	-0.61	4608	1.0
y_mean[922]	-0.23	5.1e-4	0.03	-0.3	-0.25	-0.23	-0.21	-0.16	4539	1.0
y_mean[923]	-0.44	3.5e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	4787	1.0
y_mean[924]	-0.47	3.9e-4	0.03	-0.52	-0.48	-0.47	-0.45	-0.41	4783	1.0
y_mean[925]	0.98	6.8e-4	0.04	0.89	0.95	0.98	1.0	1.06	3941	1.0
y_mean[926]	-0.2	4.8e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	3960	1.0
y_mean[927]	-0.79	4.4e-4	0.03	-0.84	-0.81	-0.79	-0.77	-0.73	4583	1.0
y_mean[928]	0.86	5.6e-4	0.04	0.78	0.83	0.86	0.88	0.93	4133	1.0
y_mean[929]	0.96	5.2e-4	0.03	0.89	0.94	0.96	0.98	1.03	4375	1.0
y_mean[930]	-0.27	4.3e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4813	1.0
y_mean[931]	0.55	6.1e-4	0.04	0.48	0.53	0.55	0.58	0.63	3790	1.0
y_mean[932]	-0.4	5.2e-4	0.03	-0.46	-0.42	-0.4	-0.37	-0.33	4289	1.0
y_mean[933]	0.07	6.2e-4	0.04	-2.9e-3	0.05	0.07	0.1	0.15	3829	1.0
y_mean[934]	-0.68	3.9e-4	0.03	-0.73	-0.69	-0.68	-0.66	-0.62	4484	1.0
y_mean[935]	-0.06	5.4e-4	0.03	-0.12	-0.08	-0.06	-0.03	0.01	3994	1.0
y_mean[936]	-0.66	4.1e-4	0.03	-0.71	-0.68	-0.66	-0.64	-0.61	4480	1.0
y_mean[937]	0.16	7.4e-4	0.05	0.07	0.13	0.16	0.19	0.25	3821	1.0
y_mean[938]	-0.22	4.5e-4	0.03	-0.28	-0.25	-0.22	-0.21	-0.17	4175	1.0
y_mean[939]	-1.47	6.6e-4	0.04	-1.56	-1.5	-1.47	-1.44	-1.38	4511	1.0
y_mean[940]	-0.65	3.6e-4	0.02	-0.7	-0.66	-0.65	-0.63	-0.6	4503	1.0
y_mean[941]	0.81	4.9e-4	0.03	0.75	0.79	0.81	0.84	0.88	4781	1.0
y_mean[942]	-1.2	4.8e-4	0.03	-1.26	-1.22	-1.2	-1.18	-1.13	4493	1.0
y_mean[943]	0.33	6.0e-4	0.04	0.25	0.3	0.33	0.35	0.4	4041	1.0
y_mean[944]	1.04	6.4e-4	0.04	0.96	1.01	1.04	1.07	1.12	3954	1.0
y_mean[945]	-0.45	3.3e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	4496	1.0
y_mean[946]	-0.8	4.5e-4	0.03	-0.86	-0.82	-0.8	-0.78	-0.74	4685	1.0
y_mean[947]	-0.17	5.7e-4	0.04	-0.24	-0.2	-0.17	-0.15	-0.1	4349	1.0
y_mean[948]	-0.07	4.4e-4	0.03	-0.13	-0.09	-0.07	-0.05	-0.02	4105	1.0
y_mean[949]	0.62	5.5e-4	0.04	0.55	0.59	0.62	0.64	0.69	4480	1.0
y_mean[950]	-0.69	4.4e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.63	4674	1.0
y_mean[951]	-0.25	3.6e-4	0.02	-0.3	-0.27	-0.25	-0.24	-0.21	4275	1.0
y_mean[952]	-8.9e-3	7.2e-4	0.05	-0.11	-0.04	-9.2e-3	0.03	0.09	5010	1.0
y_mean[953]	0.02	3.1e-4	0.02	-0.02	4.2e-3	0.02	0.03	0.06	4536	1.0
y_mean[954]	0.22	3.6e-4	0.02	0.17	0.2	0.22	0.24	0.27	4522	1.0
y_mean[955]	1.11	9.2e-4	0.06	0.98	1.07	1.1	1.15	1.22	4398	1.0
y_mean[956]	0.5	6.2e-4	0.04	0.42	0.47	0.5	0.52	0.58	4475	1.0
y_mean[957]	-0.28	4.1e-4	0.03	-0.34	-0.3	-0.28	-0.27	-0.23	4223	1.0
y_mean[958]	0.11	5.8e-4	0.04	0.04	0.09	0.11	0.13	0.18	3883	1.0
y_mean[959]	1.15	9.7e-4	0.07	1.02	1.1	1.15	1.2	1.28	4802	1.0
y_mean[960]	-0.38	3.4e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	4587	1.0
y_mean[961]	-0.57	3.7e-4	0.02	-0.62	-0.59	-0.57	-0.55	-0.52	4570	1.0
y_mean[962]	-0.02	3.3e-4	0.02	-0.07	-0.04	-0.02	-6.7e-3	0.02	4662	1.0
y_mean[963]	-0.71	4.8e-4	0.03	-0.77	-0.73	-0.71	-0.69	-0.64	4724	1.0
y_mean[964]	0.23	4.5e-4	0.03	0.17	0.21	0.23	0.25	0.29	5035	1.0

y_mean[965]	-0.31	3.7e-4	0.02	-0.35	-0.32	-0.31	-0.29	-0.26	4202	1.0
y_mean[966]	0.19	5.8e-4	0.04	0.11	0.16	0.19	0.22	0.27	4887	1.0
y_mean[967]	-0.11	6.2e-4	0.04	-0.18	-0.13	-0.11	-0.08	-0.03	3706	1.0
y_mean[968]	0.39	6.5e-4	0.04	0.31	0.36	0.39	0.41	0.46	3756	1.0
y_mean[969]	0.23	8.7e-4	0.06	0.12	0.19	0.23	0.26	0.34	4241	1.0
y_mean[970]	-1.39	6.5e-4	0.04	-1.48	-1.42	-1.39	-1.37	-1.31	4688	1.0
y_mean[971]	-0.66	3.6e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	4516	1.0
y_mean[972]	-0.25	3.2e-4	0.02	-0.29	-0.26	-0.25	-0.23	-0.21	4542	1.0
y_mean[973]	0.83	8.2e-4	0.05	0.73	0.8	0.83	0.87	0.93	3869	1.0
y_mean[974]	-7.3e-3	3.1e-4	0.02	-0.05	-0.02	-7.6e-3	6.8e-3	0.03	4617	1.0
y_mean[975]	-0.16	5.4e-4	0.04	-0.24	-0.18	-0.16	-0.13	-0.08	5156	1.0
y_mean[976]	0.7	1.2e-3	0.08	0.55	0.65	0.7	0.75	0.85	4415	1.0
y_mean[977]	-0.1	4.4e-4	0.03	-0.15	-0.11	-0.1	-0.08	-0.04	4060	1.0
y_mean[978]	-1.13	4.6e-4	0.03	-1.19	-1.15	-1.13	-1.11	-1.07	4476	1.0
y_mean[979]	0.9	6.2e-4	0.04	0.82	0.87	0.9	0.93	0.99	4961	1.0
y_mean[980]	0.26	4.3e-4	0.03	0.2	0.24	0.26	0.27	0.31	4021	1.0
y_mean[981]	-1.27	7.5e-4	0.05	-1.37	-1.31	-1.27	-1.24	-1.18	4456	1.0
y_mean[982]	-0.6	3.6e-4	0.02	-0.65	-0.62	-0.6	-0.58	-0.55	4523	1.0
y_mean[983]	-0.66	3.9e-4	0.03	-0.71	-0.67	-0.66	-0.64	-0.6	4485	1.0
y_mean[984]	0.2	3.6e-4	0.03	0.15	0.18	0.2	0.22	0.25	4856	1.0
y_mean[985]	0.43	4.5e-4	0.03	0.37	0.41	0.43	0.45	0.49	4859	1.0
y_mean[986]	-0.59	3.3e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.55	4498	1.0
y_mean[987]	2.5	9.0e-4	0.06	2.38	2.46	2.5	2.54	2.62	4400	1.0
y_mean[988]	0.76	5.7e-4	0.04	0.69	0.73	0.76	0.79	0.84	4584	1.0
y_mean[989]	-0.97	1.0e-3	0.07	-1.11	-1.02	-0.97	-0.92	-0.83	4444	1.0
y_mean[990]	-0.45	3.0e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	4764	1.0
y_mean[991]	1.0	5.9e-4	0.04	0.92	0.97	1.0	1.03	1.08	4864	1.0
y_mean[992]	0.14	3.5e-4	0.02	0.09	0.12	0.14	0.16	0.19	4974	1.0
y_mean[993]	-0.15	3.7e-4	0.03	-0.2	-0.17	-0.15	-0.14	-0.1	4795	1.0
y_mean[994]	0.94	7.5e-4	0.05	0.85	0.91	0.95	0.98	1.04	4029	1.0
y_mean[995]	2.34	10.0e-4	0.07	2.21	2.3	2.34	2.38	2.47	4362	1.0
y_mean[996]	-0.17	5.0e-4	0.03	-0.23	-0.19	-0.17	-0.15	-0.1	4493	1.0
y_mean[997]	0.29	4.2e-4	0.03	0.24	0.27	0.29	0.31	0.34	4219	1.0
y_mean[998]	0.21	3.9e-4	0.03	0.16	0.19	0.21	0.22	0.26	4270	1.0
y_mean[999]	-1.03	4.6e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.97	4588	1.0
y_mean[1000]	0.46	4.7e-4	0.03	0.4	0.44	0.46	0.48	0.53	4936	1.0
y_mean[1001]	-0.5	3.1e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.46	4771	1.0
y_mean[1002]	-0.16	3.9e-4	0.03	-0.21	-0.17	-0.16	-0.14	-0.11	4371	1.0
y_mean[1003]	0.48	4.8e-4	0.03	0.42	0.46	0.48	0.5	0.54	4119	1.0
y_mean[1004]	0.2	3.2e-4	0.02	0.16	0.19	0.2	0.22	0.25	4911	1.0
y_mean[1005]	-1.09	5.0e-4	0.03	-1.16	-1.11	-1.09	-1.07	-1.03	4520	1.0
y_mean[1006]	-0.08	5.7e-4	0.04	-0.15	-0.1	-0.08	-0.05	-4.0e-3	4374	1.0
y_mean[1007]	-0.3	5.1e-4	0.03	-0.36	-0.32	-0.3	-0.27	-0.23	4518	1.0
y_mean[1008]	-0.35	3.6e-4	0.02	-0.4	-0.37	-0.35	-0.33	-0.3	4453	1.0
y_mean[1009]	-0.48	2.9e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4795	1.0
y_mean[1010]	0.06	5.5e-4	0.03	-0.01	0.03	0.06	0.08	0.12	3916	1.0
y_mean[1011]	-0.64	3.9e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.59	4493	1.0
y_mean[1012]	0.77	5.3e-4	0.04	0.7	0.75	0.77	0.8	0.84	4681	1.0

y_mean[1013]	0.19	3.6e-4	0.02	0.15	0.18	0.19	0.21	0.24	4443	1.0
y_mean[1014]	-0.77	4.2e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	4656	1.0
y_mean[1015]	-0.09	5.4e-4	0.03	-0.16	-0.11	-0.09	-0.07	-0.03	3791	1.0
y_mean[1016]	-0.94	5.0e-4	0.03	-1.0	-0.96	-0.94	-0.92	-0.87	4696	1.0
y_mean[1017]	3.49	2.3e-3	0.15	3.19	3.39	3.49	3.6	3.78	4469	1.0
y_mean[1018]	-0.35	5.2e-4	0.04	-0.43	-0.38	-0.35	-0.33	-0.28	5044	1.0
y_mean[1019]	-0.66	3.6e-4	0.02	-0.71	-0.68	-0.66	-0.64	-0.61	4540	1.0
y_mean[1020]	0.58	5.0e-4	0.03	0.52	0.56	0.58	0.61	0.65	4553	1.0
y_mean[1021]	0.4	8.3e-4	0.05	0.3	0.37	0.4	0.44	0.5	3992	1.0
y_mean[1022]	0.31	5.5e-4	0.03	0.24	0.29	0.31	0.33	0.38	3960	1.0
y_mean[1023]	-0.31	6.9e-4	0.05	-0.4	-0.34	-0.31	-0.28	-0.21	4621	1.0
y_mean[1024]	-0.37	4.9e-4	0.03	-0.44	-0.4	-0.37	-0.35	-0.31	4241	1.0
y_mean[1025]	0.06	3.7e-4	0.02	0.02	0.05	0.06	0.08	0.11	4386	1.0
y_mean[1026]	2.55	1.1e-3	0.08	2.4	2.49	2.55	2.6	2.7	4476	1.0
y_mean[1027]	-0.02	4.5e-4	0.03	-0.08	-0.04	-0.02	2.3e-4	0.04	4528	1.0
y_mean[1028]	-0.28	5.0e-4	0.03	-0.35	-0.31	-0.28	-0.26	-0.22	4589	1.0
y_mean[1029]	-1.17	4.7e-4	0.03	-1.23	-1.19	-1.17	-1.15	-1.11	4507	1.0
y_mean[1030]	-0.27	3.5e-4	0.02	-0.32	-0.29	-0.27	-0.26	-0.23	4416	1.0
y_mean[1031]	9.2e-3	3.5e-4	0.02	-0.04	-7.1e-3	9.1e-3	0.03	0.06	4647	1.0
y_mean[1032]	-0.47	5.1e-4	0.04	-0.54	-0.49	-0.47	-0.44	-0.4	4798	1.0
y_mean[1033]	-0.64	4.1e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.58	4816	1.0
y_mean[1034]	0.23	7.9e-4	0.05	0.13	0.19	0.23	0.26	0.33	4205	1.0
y_mean[1035]	-0.04	4.9e-4	0.03	-0.11	-0.06	-0.04	-0.02	0.02	4304	1.0
y_mean[1036]	-0.23	4.8e-4	0.03	-0.3	-0.25	-0.23	-0.21	-0.17	4732	1.0
y_mean[1037]	-0.65	3.6e-4	0.02	-0.7	-0.67	-0.65	-0.64	-0.6	4562	1.0
y_mean[1038]	0.65	4.4e-4	0.03	0.6	0.63	0.65	0.67	0.72	4705	1.0
y_mean[1039]	0.05	6.2e-4	0.04	-0.02	0.03	0.05	0.08	0.13	3766	1.0
y_mean[1040]	-0.37	4.9e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.31	3945	1.0
y_mean[1041]	0.61	5.3e-4	0.04	0.53	0.58	0.61	0.63	0.68	5030	1.0
y_mean[1042]	0.8	8.4e-4	0.05	0.7	0.77	0.8	0.83	0.9	3701	1.0
y_mean[1043]	-0.03	8.0e-4	0.05	-0.13	-0.06	-0.03	9.1e-3	0.08	4427	1.0
y_mean[1044]	2.15	9.7e-4	0.06	2.02	2.11	2.15	2.19	2.26	3914	1.0
y_mean[1045]	-0.75	4.8e-4	0.03	-0.81	-0.77	-0.75	-0.73	-0.68	4759	1.0
y_mean[1046]	0.77	7.4e-4	0.05	0.67	0.74	0.77	0.8	0.86	3935	1.0
y_mean[1047]	-1.36	6.6e-4	0.05	-1.45	-1.39	-1.36	-1.33	-1.27	4681	1.0
y_mean[1048]	-0.3	6.8e-4	0.04	-0.39	-0.33	-0.3	-0.27	-0.21	4322	1.0
y_mean[1049]	-0.63	3.8e-4	0.03	-0.68	-0.65	-0.63	-0.61	-0.58	4500	1.0
y_mean[1050]	-0.61	3.4e-4	0.02	-0.66	-0.63	-0.61	-0.6	-0.57	4506	1.0
y_mean[1051]	-0.4	3.1e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.36	4536	1.0
y_mean[1052]	-0.11	4.9e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.04	4420	1.0
y_mean[1053]	3.25	1.4e-3	0.09	3.07	3.19	3.25	3.31	3.43	3972	1.0
y_mean[1054]	-0.65	4.0e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	4486	1.0
y_mean[1055]	0.55	4.6e-4	0.03	0.49	0.52	0.55	0.57	0.61	4652	1.0
y_mean[1056]	-0.67	5.9e-4	0.04	-0.75	-0.7	-0.67	-0.65	-0.6	4209	1.0
y_mean[1057]	-0.47	3.2e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	4616	1.0
y_mean[1058]	-0.27	7.3e-4	0.05	-0.37	-0.3	-0.27	-0.23	-0.17	4674	1.0
y_mean[1059]	-0.1	5.3e-4	0.03	-0.17	-0.12	-0.1	-0.08	-0.04	3795	1.0
y_mean[1060]	0.15	5.2e-4	0.04	0.08	0.12	0.15	0.17	0.22	4936	1.0

y_mean[1061]	-0.13	4.1e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	4320	1.0
y_mean[1062]	-0.57	3.3e-4	0.02	-0.61	-0.59	-0.57	-0.56	-0.53	4512	1.0
y_mean[1063]	0.14	3.4e-4	0.02	0.09	0.13	0.14	0.16	0.19	4807	1.0
y_mean[1064]	1.51	9.1e-4	0.06	1.39	1.47	1.51	1.54	1.62	4008	1.0
y_mean[1065]	-0.06	4.7e-4	0.03	-0.12	-0.08	-0.06	-0.04	-3.3e-3	4083	1.0
y_mean[1066]	-0.27	5.7e-4	0.04	-0.35	-0.3	-0.27	-0.25	-0.2	4515	1.0
y_mean[1067]	0.08	6.2e-4	0.04	5.9e-3	0.06	0.08	0.11	0.16	4260	1.0
y_mean[1068]	-0.68	3.7e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4556	1.0
y_mean[1069]	0.01	5.5e-4	0.03	-0.05	-8.9e-3	0.01	0.04	0.08	3881	1.0
y_mean[1070]	0.58	5.1e-4	0.03	0.51	0.56	0.58	0.6	0.65	4555	1.0
y_mean[1071]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4521	1.0
y_mean[1072]	-0.11	4.3e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.06	4316	1.0
y_mean[1073]	-0.23	3.1e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.19	4927	1.0
y_mean[1074]	1.32	9.5e-4	0.06	1.2	1.28	1.32	1.36	1.44	4170	1.0
y_mean[1075]	0.41	3.5e-4	0.02	0.36	0.39	0.41	0.43	0.46	4760	1.0
y_mean[1076]	-0.12	4.4e-4	0.03	-0.17	-0.13	-0.12	-0.1	-0.06	4155	1.0
y_mean[1077]	0.24	4.1e-4	0.03	0.19	0.22	0.24	0.26	0.29	4161	1.0
y_mean[1078]	-0.8	4.6e-4	0.03	-0.86	-0.82	-0.8	-0.78	-0.74	4588	1.0
y_mean[1079]	0.43	4.4e-4	0.03	0.37	0.41	0.43	0.45	0.48	3977	1.0
y_mean[1080]	-1.06	4.4e-4	0.03	-1.11	-1.08	-1.06	-1.04	-1.0	4530	1.0
y_mean[1081]	-0.24	5.4e-4	0.04	-0.31	-0.27	-0.24	-0.22	-0.17	4524	1.0
y_mean[1082]	-0.07	4.5e-4	0.03	-0.13	-0.09	-0.07	-0.05	-0.02	4126	1.0
y_mean[1083]	-0.46	3.2e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	4640	1.0
y_mean[1084]	-0.42	3.3e-4	0.02	-0.46	-0.44	-0.42	-0.4	-0.38	4663	1.0
y_mean[1085]	0.41	4.8e-4	0.03	0.35	0.39	0.41	0.43	0.48	4781	1.0
y_mean[1086]	-0.24	4.4e-4	0.03	-0.31	-0.26	-0.24	-0.22	-0.18	4944	1.0
y_mean[1087]	0.03	4.6e-4	0.03	-0.03	7.3e-3	0.03	0.05	0.09	4292	1.0
y_mean[1088]	1.01	9.1e-4	0.06	0.9	0.97	1.01	1.05	1.12	3695	1.0
y_mean[1089]	-0.44	6.7e-4	0.05	-0.52	-0.47	-0.44	-0.41	-0.35	4536	1.0
y_mean[1090]	-0.72	4.0e-4	0.03	-0.77	-0.74	-0.72	-0.7	-0.66	4656	1.0
y_mean[1091]	-0.32	5.3e-4	0.04	-0.39	-0.34	-0.32	-0.29	-0.25	4596	1.0
y_mean[1092]	-1.33	6.7e-4	0.05	-1.42	-1.36	-1.33	-1.3	-1.24	4677	1.0
y_mean[1093]	0.52	7.6e-4	0.05	0.43	0.49	0.53	0.56	0.62	3995	1.0
y_mean[1094]	-0.41	3.3e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	4468	1.0
y_mean[1095]	-0.36	3.5e-4	0.02	-0.41	-0.38	-0.36	-0.34	-0.31	4620	1.0
y_mean[1096]	-0.42	3.8e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	4349	1.0
y_mean[1097]	-0.23	3.4e-4	0.02	-0.28	-0.25	-0.23	-0.22	-0.19	4448	1.0
y_mean[1098]	-0.12	7.5e-4	0.05	-0.23	-0.16	-0.12	-0.09	-0.02	4891	1.0
y_mean[1099]	0.2	6.8e-4	0.04	0.12	0.18	0.21	0.24	0.29	3974	1.0
y_mean[1100]	-0.72	4.5e-4	0.03	-0.78	-0.74	-0.72	-0.7	-0.66	4450	1.0
y_mean[1101]	0.94	6.0e-4	0.04	0.86	0.91	0.94	0.97	1.02	4163	1.0
y_mean[1102]	-1.06	5.5e-4	0.04	-1.13	-1.08	-1.06	-1.04	-0.99	4495	1.0
y_mean[1103]	-0.45	3.6e-4	0.02	-0.5	-0.46	-0.45	-0.43	-0.4	4790	1.0
y_mean[1104]	-1.08	6.3e-4	0.04	-1.16	-1.11	-1.08	-1.05	-1.0	4505	1.0
y_mean[1105]	-1.08	4.8e-4	0.03	-1.14	-1.1	-1.08	-1.05	-1.01	4523	1.0
y_mean[1106]	-0.9	5.4e-4	0.04	-0.97	-0.93	-0.9	-0.88	-0.83	4857	1.0
y_mean[1107]	-0.51	3.1e-4	0.02	-0.55	-0.52	-0.51	-0.49	-0.47	4811	1.0
y_mean[1108]	-1.02	4.6e-4	0.03	-1.08	-1.05	-1.02	-1.0	-0.96	4494	1.0

y_mean[1109]	0.34	6.3e-4	0.04	0.26	0.31	0.34	0.37	0.42	4412	1.0
y_mean[1110]	0.61	8.9e-4	0.06	0.5	0.57	0.61	0.65	0.72	4103	1.0
y_mean[1111]	-0.03	4.2e-4	0.03	-0.09	-0.05	-0.04	-0.02	0.02	4346	1.0
y_mean[1112]	0.04	3.0e-4	0.02	4.3e-3	0.03	0.04	0.06	0.08	4598	1.0
y_mean[1113]	0.24	9.3e-4	0.06	0.13	0.2	0.24	0.28	0.37	4244	1.0
y_mean[1114]	0.44	7.6e-4	0.05	0.34	0.4	0.44	0.48	0.54	4919	1.0
y_mean[1115]	0.26	6.0e-4	0.04	0.19	0.23	0.26	0.28	0.33	3739	1.0
y_mean[1116]	-0.56	3.6e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.51	4664	1.0
y_mean[1117]	0.65	4.2e-4	0.03	0.6	0.63	0.65	0.67	0.71	4732	1.0
y_mean[1118]	-0.63	3.7e-4	0.02	-0.68	-0.65	-0.63	-0.61	-0.58	4501	1.0
y_mean[1119]	-1.1	4.5e-4	0.03	-1.16	-1.12	-1.1	-1.08	-1.04	4504	1.0
y_mean[1120]	0.55	6.6e-4	0.04	0.47	0.52	0.55	0.58	0.63	3549	1.0
y_mean[1121]	-0.53	3.3e-4	0.02	-0.57	-0.55	-0.53	-0.52	-0.49	4582	1.0
y_mean[1122]	-0.28	4.1e-4	0.03	-0.33	-0.29	-0.28	-0.26	-0.22	4401	1.0
y_mean[1123]	-0.35	3.2e-4	0.02	-0.39	-0.36	-0.35	-0.34	-0.31	4670	1.0
y_mean[1124]	0.2	3.5e-4	0.02	0.15	0.18	0.2	0.22	0.25	4574	1.0
y_mean[1125]	0.37	5.5e-4	0.03	0.3	0.35	0.37	0.39	0.43	3756	1.0
y_mean[1126]	-0.16	5.6e-4	0.03	-0.23	-0.19	-0.16	-0.14	-0.1	3740	1.0
y_mean[1127]	-0.33	4.1e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	4831	1.0
y_mean[1128]	-0.69	3.9e-4	0.03	-0.74	-0.71	-0.69	-0.67	-0.64	4491	1.0
y_mean[1129]	0.52	4.4e-4	0.03	0.46	0.5	0.52	0.54	0.58	4718	1.0
y_mean[1130]	-0.31	3.6e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	4239	1.0
y_mean[1131]	-0.57	4.7e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.51	4490	1.0
y_mean[1132]	0.31	4.2e-4	0.03	0.26	0.29	0.31	0.33	0.36	3956	1.0
y_mean[1133]	0.64	4.3e-4	0.03	0.58	0.62	0.64	0.66	0.7	4760	1.0
y_mean[1134]	-0.48	3.4e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	4693	1.0
y_mean[1135]	-0.64	3.9e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.59	4492	1.0
y_mean[1136]	-1.06	4.5e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.01	4519	1.0
y_mean[1137]	0.02	3.4e-4	0.02	-0.03	2.8e-3	0.02	0.03	0.06	4775	1.0
y_mean[1138]	0.52	3.6e-4	0.02	0.47	0.5	0.52	0.54	0.57	4829	1.0
y_mean[1139]	-0.76	4.1e-4	0.03	-0.81	-0.78	-0.76	-0.74	-0.71	4582	1.0
y_mean[1140]	-0.72	3.9e-4	0.03	-0.77	-0.74	-0.72	-0.7	-0.67	4550	1.0
y_mean[1141]	0.73	5.9e-4	0.04	0.65	0.7	0.73	0.75	0.81	5005	1.0
y_mean[1142]	0.89	6.7e-4	0.05	0.79	0.86	0.89	0.92	0.98	5126	1.0
y_mean[1143]	-0.32	5.8e-4	0.04	-0.39	-0.34	-0.32	-0.29	-0.25	3792	1.0
y_mean[1144]	0.07	3.2e-4	0.02	0.03	0.06	0.07	0.09	0.12	4736	1.0
y_mean[1145]	0.06	8.4e-4	0.06	-0.05	0.02	0.06	0.1	0.18	4832	1.0
y_mean[1146]	-0.14	3.8e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	4793	1.0
y_mean[1147]	-0.33	5.3e-4	0.04	-0.4	-0.36	-0.33	-0.31	-0.26	4930	1.0
y_mean[1148]	1.49	8.0e-4	0.05	1.38	1.45	1.49	1.52	1.59	4162	1.0
y_mean[1149]	1.65	1.0e-3	0.07	1.52	1.6	1.65	1.7	1.78	4646	1.0
y_mean[1150]	0.65	8.1e-4	0.05	0.55	0.62	0.65	0.69	0.75	3896	1.0
y_mean[1151]	0.26	6.3e-4	0.04	0.19	0.24	0.26	0.29	0.34	3832	1.0
y_mean[1152]	1.58	8.4e-4	0.05	1.48	1.55	1.59	1.62	1.69	4150	1.0
y_mean[1153]	-0.09	4.7e-4	0.03	-0.15	-0.12	-0.09	-0.07	-0.03	4285	1.0
y_mean[1154]	0.44	5.9e-4	0.04	0.36	0.41	0.44	0.46	0.51	3887	1.0
y_mean[1155]	0.07	3.6e-4	0.03	0.02	0.06	0.07	0.09	0.12	4800	1.0
y_mean[1156]	-0.54	3.2e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.5	4524	1.0

y_mean[1157]	-0.14	6.9e-4	0.04	-0.23	-0.17	-0.14	-0.12	-0.06	3748	1.0
y_mean[1158]	-0.43	5.7e-4	0.04	-0.5	-0.46	-0.43	-0.41	-0.36	4337	1.0
y_mean[1159]	-0.14	3.6e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	4778	1.0
y_mean[1160]	0.61	1.0e-3	0.07	0.47	0.56	0.61	0.65	0.74	4641	1.0
y_mean[1161]	-0.35	3.5e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	4433	1.0
y_mean[1162]	-0.72	4.1e-4	0.03	-0.78	-0.74	-0.72	-0.7	-0.67	4487	1.0
y_mean[1163]	-0.54	3.3e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4581	1.0
y_mean[1164]	-0.16	4.2e-4	0.03	-0.21	-0.18	-0.16	-0.14	-0.1	4115	1.0
y_mean[1165]	0.27	6.3e-4	0.04	0.19	0.24	0.27	0.3	0.36	5011	1.0
y_mean[1166]	-0.77	4.3e-4	0.03	-0.83	-0.79	-0.77	-0.76	-0.72	4537	1.0
y_mean[1167]	-0.27	5.3e-4	0.03	-0.34	-0.3	-0.27	-0.25	-0.21	3984	1.0
y_mean[1168]	-0.68	3.7e-4	0.02	-0.72	-0.69	-0.68	-0.66	-0.63	4562	1.0
y_mean[1169]	0.12	6.5e-4	0.04	0.03	0.09	0.12	0.15	0.21	4819	1.0
y_mean[1170]	-0.4	2.8e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	4829	1.0
y_mean[1171]	-0.25	4.3e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.2	4749	1.0
y_mean[1172]	1.5e-4	4.0e-4	0.03	-0.05	-0.02	-3.2e-4	0.02	0.05	4524	1.0
y_mean[1173]	0.51	4.2e-4	0.03	0.45	0.49	0.51	0.52	0.56	4782	1.0
y_mean[1174]	9.1e-3	4.5e-4	0.03	-0.05	-0.01	8.5e-3	0.03	0.07	4402	1.0
y_mean[1175]	-0.67	4.0e-4	0.03	-0.72	-0.69	-0.67	-0.65	-0.61	4477	1.0
y_mean[1176]	0.52	4.6e-4	0.03	0.46	0.5	0.52	0.54	0.57	3980	1.0
y_mean[1177]	0.57	1.0e-3	0.07	0.44	0.53	0.57	0.62	0.71	4522	1.0
y_mean[1178]	-1.54	6.8e-4	0.05	-1.63	-1.57	-1.54	-1.51	-1.45	4511	1.0
y_mean[1179]	0.3	3.8e-4	0.02	0.25	0.28	0.3	0.31	0.34	4091	1.0
y_mean[1180]	-0.21	3.7e-4	0.02	-0.26	-0.23	-0.21	-0.2	-0.17	4333	1.0
y_mean[1181]	-0.73	4.0e-4	0.03	-0.78	-0.75	-0.73	-0.71	-0.68	4534	1.0
y_mean[1182]	0.96	6.9e-4	0.04	0.87	0.93	0.96	0.99	1.04	3963	1.0
y_mean[1183]	1.71	1.0e-3	0.07	1.57	1.67	1.71	1.76	1.85	4687	1.0
y_mean[1184]	-0.17	3.7e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	4724	1.0
y_mean[1185]	0.06	8.2e-4	0.06	-0.05	0.02	0.06	0.09	0.17	4816	1.0
y_mean[1186]	0.75	4.6e-4	0.03	0.69	0.73	0.75	0.77	0.81	4553	1.0
y_mean[1187]	-0.6	3.5e-4	0.02	-0.65	-0.62	-0.6	-0.59	-0.56	4513	1.0
y_mean[1188]	0.74	4.5e-4	0.03	0.68	0.72	0.74	0.76	0.8	4595	1.0
y_mean[1189]	0.29	5.2e-4	0.04	0.22	0.26	0.29	0.31	0.36	4830	1.0
y_mean[1190]	-0.81	4.5e-4	0.03	-0.87	-0.83	-0.81	-0.79	-0.74	4707	1.0
y_mean[1191]	-0.12	5.2e-4	0.04	-0.19	-0.14	-0.12	-0.1	-0.05	4771	1.0
y_mean[1192]	-0.47	5.5e-4	0.04	-0.54	-0.49	-0.47	-0.45	-0.4	4370	1.0
y_mean[1193]	-0.47	3.2e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	4645	1.0
y_mean[1194]	0.3	6.2e-4	0.04	0.22	0.27	0.29	0.32	0.38	4422	1.0
y_mean[1195]	-0.41	3.3e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	4614	1.0
y_mean[1196]	-0.57	3.4e-4	0.02	-0.62	-0.59	-0.57	-0.56	-0.53	4477	1.0
y_mean[1197]	-0.48	3.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	4505	1.0
y_mean[1198]	-0.39	3.4e-4	0.02	-0.44	-0.41	-0.39	-0.37	-0.34	4668	1.0
y_mean[1199]	-0.99	4.5e-4	0.03	-1.05	-1.01	-0.99	-0.97	-0.94	4530	1.0
y_mean[1200]	0.46	6.5e-4	0.04	0.38	0.43	0.46	0.49	0.54	4006	1.0
y_mean[1201]	0.73	4.1e-4	0.03	0.67	0.71	0.73	0.75	0.79	4972	1.0
y_mean[1202]	0.56	4.3e-4	0.03	0.51	0.54	0.56	0.58	0.62	4784	1.0
y_mean[1203]	-0.55	3.6e-4	0.02	-0.6	-0.57	-0.55	-0.54	-0.5	4499	1.0
y_mean[1204]	0.16	3.4e-4	0.02	0.12	0.15	0.16	0.18	0.21	4513	1.0

y_mean[1205]	0.51	7.6e-4	0.05	0.42	0.48	0.51	0.54	0.61	4080	1.0
y_mean[1206]	1.42	8.7e-4	0.06	1.3	1.38	1.42	1.46	1.54	4951	1.0
y_mean[1207]	-1.06	4.4e-4	0.03	-1.12	-1.08	-1.06	-1.04	-1.0	4533	1.0
y_mean[1208]	1.47	9.9e-4	0.06	1.35	1.43	1.47	1.51	1.59	3573	1.0
y_mean[1209]	0.11	4.9e-4	0.03	0.05	0.09	0.11	0.13	0.18	4571	1.0
y_mean[1210]	-0.31	3.7e-4	0.02	-0.36	-0.32	-0.31	-0.29	-0.26	4515	1.0
y_mean[1211]	0.12	3.2e-4	0.02	0.08	0.1	0.12	0.13	0.16	4527	1.0
y_mean[1212]	0.99	5.0e-4	0.03	0.93	0.97	0.99	1.02	1.06	4486	1.0
y_mean[1213]	1.35	9.9e-4	0.07	1.21	1.3	1.34	1.39	1.47	4398	1.0
y_mean[1214]	-0.06	5.2e-4	0.03	-0.13	-0.08	-0.06	-0.04	5.4e-3	4248	1.0
y_mean[1215]	2.57	1.2e-3	0.08	2.42	2.52	2.57	2.62	2.72	4332	1.0
y_mean[1216]	-0.57	3.3e-4	0.02	-0.61	-0.59	-0.57	-0.56	-0.53	4483	1.0
y_mean[1217]	0.15	3.3e-4	0.02	0.11	0.14	0.15	0.17	0.19	4569	1.0
y_mean[1218]	0.6	4.3e-4	0.03	0.54	0.58	0.6	0.62	0.66	4624	1.0
y_mean[1219]	-0.25	4.6e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	3911	1.0
y_mean[1220]	0.38	6.5e-4	0.04	0.29	0.35	0.38	0.41	0.46	4499	1.0
y_mean[1221]	0.23	5.3e-4	0.03	0.16	0.2	0.23	0.25	0.29	4082	1.0
y_mean[1222]	0.24	3.9e-4	0.03	0.19	0.22	0.24	0.25	0.29	4310	1.0
y_mean[1223]	-0.55	6.6e-4	0.04	-0.64	-0.58	-0.55	-0.52	-0.46	4493	1.0
y_mean[1224]	0.28	5.6e-4	0.04	0.2	0.25	0.28	0.31	0.36	5002	1.0
y_mean[1225]	0.54	4.1e-4	0.03	0.49	0.53	0.55	0.56	0.6	4741	1.0
y_mean[1226]	0.24	3.9e-4	0.03	0.19	0.22	0.24	0.26	0.29	4282	1.0
y_mean[1227]	1.69	1.2e-3	0.07	1.55	1.65	1.69	1.74	1.83	3594	1.0
y_mean[1228]	-0.72	3.9e-4	0.03	-0.77	-0.74	-0.72	-0.7	-0.67	4605	1.0
y_mean[1229]	-0.18	6.2e-4	0.04	-0.26	-0.21	-0.18	-0.16	-0.11	3870	1.0
y_mean[1230]	0.17	5.6e-4	0.04	0.09	0.14	0.17	0.19	0.24	4356	1.0
y_mean[1231]	0.58	4.6e-4	0.03	0.51	0.55	0.58	0.6	0.64	5130	1.0
y_mean[1232]	-0.48	3.4e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	4403	1.0
y_mean[1233]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4521	1.0
y_mean[1234]	0.14	7.8e-4	0.05	0.05	0.11	0.14	0.17	0.24	3621	1.0
y_mean[1235]	-0.22	3.7e-4	0.03	-0.26	-0.23	-0.22	-0.2	-0.17	4625	1.0
y_mean[1236]	0.19	3.5e-4	0.02	0.14	0.18	0.19	0.21	0.24	4779	1.0
y_mean[1237]	-0.21	8.0e-4	0.06	-0.32	-0.24	-0.21	-0.17	-0.1	5022	1.0
y_mean[1238]	-0.44	3.2e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	4648	1.0
y_mean[1239]	0.03	3.1e-4	0.02	-7.7e-3	0.02	0.03	0.05	0.08	4661	1.0
y_mean[1240]	1.44	1.1e-3	0.07	1.31	1.39	1.44	1.48	1.57	3830	1.0
y_mean[1241]	0.51	4.2e-4	0.03	0.46	0.49	0.51	0.53	0.57	4778	1.0
y_mean[1242]	-0.3	4.1e-4	0.03	-0.35	-0.32	-0.3	-0.28	-0.25	4125	1.0
y_mean[1243]	-0.6	4.9e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.54	4206	1.0
y_mean[1244]	0.23	7.5e-4	0.05	0.14	0.2	0.23	0.26	0.32	3817	1.0
y_mean[1245]	-3.5e-3	5.0e-4	0.03	-0.07	-0.03	-4.2e-3	0.02	0.06	4254	1.0
y_mean[1246]	1.11	5.3e-4	0.03	1.05	1.09	1.12	1.14	1.18	4182	1.0
y_mean[1247]	0.04	3.1e-4	0.02	1.4e-3	0.03	0.04	0.06	0.08	4627	1.0
y_mean[1248]	-0.74	4.0e-4	0.03	-0.79	-0.76	-0.74	-0.72	-0.69	4556	1.0
y_mean[1249]	1.31	6.0e-4	0.04	1.24	1.29	1.31	1.34	1.39	4243	1.0
y_mean[1250]	0.3	6.0e-4	0.04	0.22	0.27	0.3	0.33	0.38	4864	1.0
y_mean[1251]	-0.25	6.2e-4	0.04	-0.33	-0.28	-0.25	-0.22	-0.17	4368	1.0
y_mean[1252]	-0.08	3.8e-4	0.03	-0.13	-0.1	-0.08	-0.07	-0.03	4631	1.0

y_mean[1253]	0.38	5.3e-4	0.03	0.31	0.35	0.38	0.4	0.44	3883	1.0
y_mean[1254]	-0.26	4.3e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.21	4134	1.0
y_mean[1255]	0.26	4.2e-4	0.03	0.2	0.24	0.26	0.27	0.31	4073	1.0
y_mean[1256]	0.86	7.4e-4	0.05	0.77	0.83	0.87	0.9	0.96	4049	1.0
y_mean[1257]	0.54	7.2e-4	0.04	0.46	0.52	0.54	0.57	0.63	3487	1.0
y_mean[1258]	-0.2	4.6e-4	0.03	-0.25	-0.22	-0.2	-0.17	-0.13	4569	1.0
y_mean[1259]	-0.13	6.1e-4	0.04	-0.21	-0.16	-0.13	-0.11	-0.06	4006	1.0
y_mean[1260]	0.82	5.6e-4	0.04	0.75	0.8	0.82	0.85	0.89	4217	1.0
y_mean[1261]	-0.13	4.6e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.07	4573	1.0
y_mean[1262]	-0.7	5.2e-4	0.03	-0.77	-0.72	-0.7	-0.68	-0.63	4332	1.0
y_mean[1263]	-0.34	3.1e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.3	4630	1.0
y_mean[1264]	-1.05	4.5e-4	0.03	-1.11	-1.07	-1.05	-1.03	-0.99	4544	1.0
y_mean[1265]	-0.64	3.5e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.59	4508	1.0
y_mean[1266]	0.32	5.0e-4	0.03	0.26	0.3	0.32	0.34	0.38	3919	1.0
y_mean[1267]	-0.94	4.8e-4	0.03	-1.01	-0.96	-0.94	-0.92	-0.88	4671	1.0
y_mean[1268]	-0.02	6.4e-4	0.04	-0.1	-0.04	-0.02	0.01	0.07	4530	1.0
y_mean[1269]	-1.23	9.5e-4	0.06	-1.35	-1.27	-1.23	-1.19	-1.11	4365	1.0
y_mean[1270]	0.08	3.1e-4	0.02	0.04	0.07	0.08	0.1	0.12	4558	1.0
y_mean[1271]	-0.57	3.2e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4489	1.0
y_mean[1272]	1.63	8.4e-4	0.06	1.52	1.6	1.63	1.67	1.74	4444	1.0
y_mean[1273]	3.51	1.6e-3	0.1	3.31	3.45	3.51	3.58	3.71	4157	1.0
y_mean[1274]	-0.17	3.9e-4	0.03	-0.22	-0.18	-0.17	-0.15	-0.11	4653	1.0
y_mean[1275]	1.41	6.2e-4	0.04	1.33	1.38	1.41	1.44	1.49	4741	1.0
y_mean[1276]	-0.62	3.4e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4507	1.0
y_mean[1277]	-0.95	5.2e-4	0.03	-1.02	-0.98	-0.95	-0.93	-0.89	4374	1.0
y_mean[1278]	0.09	7.3e-4	0.05	-4.3e-3	0.06	0.09	0.12	0.18	4394	1.0
y_mean[1279]	-0.16	3.6e-4	0.03	-0.21	-0.18	-0.16	-0.15	-0.11	4771	1.0
y_mean[1280]	-0.52	3.2e-4	0.02	-0.56	-0.54	-0.52	-0.51	-0.48	4472	1.0
y_mean[1281]	0.06	6.9e-4	0.04	-0.03	0.03	0.06	0.09	0.15	4195	1.0
y_mean[1282]	-1.01	4.9e-4	0.03	-1.08	-1.03	-1.01	-0.99	-0.95	4468	1.0
y_mean[1283]	4.8e-3	5.0e-4	0.03	-0.06	-0.02	4.4e-3	0.03	0.07	4030	1.0
y_mean[1284]	1.0	6.0e-4	0.04	0.92	0.97	1.0	1.03	1.08	4860	1.0
y_mean[1285]	-0.59	3.3e-4	0.02	-0.63	-0.61	-0.59	-0.58	-0.55	4504	1.0
y_mean[1286]	-0.37	3.0e-4	0.02	-0.41	-0.38	-0.37	-0.36	-0.33	4590	1.0
y_mean[1287]	0.55	5.2e-4	0.03	0.49	0.53	0.55	0.58	0.62	4110	1.0
y_mean[1288]	0.8	4.8e-4	0.03	0.74	0.78	0.8	0.82	0.87	4713	1.0
y_mean[1289]	-0.31	3.3e-4	0.02	-0.35	-0.32	-0.31	-0.29	-0.27	4434	1.0
y_mean[1290]	0.64	4.3e-4	0.03	0.58	0.62	0.64	0.66	0.69	4624	1.0
y_mean[1291]	-0.5	3.2e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	4607	1.0
y_mean[1292]	0.51	7.5e-4	0.05	0.41	0.48	0.51	0.55	0.61	4803	1.0
y_mean[1293]	-0.22	4.8e-4	0.03	-0.28	-0.24	-0.22	-0.19	-0.15	4691	1.0
y_mean[1294]	-0.62	3.5e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.57	4529	1.0
y_mean[1295]	-0.92	9.5e-4	0.06	-1.05	-0.97	-0.92	-0.88	-0.8	4514	1.0
y_mean[1296]	0.73	4.9e-4	0.03	0.66	0.71	0.73	0.75	0.79	4911	1.0
y_mean[1297]	0.73	4.5e-4	0.03	0.67	0.71	0.73	0.75	0.79	4729	1.0
y_mean[1298]	-1.7e-3	3.3e-4	0.02	-0.05	-0.02	-1.8e-3	0.01	0.04	4733	1.0
y_mean[1299]	-0.34	3.7e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	4679	1.0
y_mean[1300]	0.2	3.7e-4	0.02	0.16	0.19	0.2	0.22	0.25	4321	1.0

y_mean[1301]	-0.37	3.7e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	4210	1.0
y_mean[1302]	-1.2	5.3e-4	0.04	-1.27	-1.23	-1.2	-1.18	-1.13	4353	1.0
y_mean[1303]	-0.12	5.4e-4	0.03	-0.19	-0.14	-0.12	-0.1	-0.05	3858	1.0
y_mean[1304]	0.41	4.5e-4	0.03	0.35	0.39	0.41	0.43	0.47	4848	1.0
y_mean[1305]	-0.59	8.6e-4	0.06	-0.7	-0.63	-0.59	-0.55	-0.48	4497	1.0
y_mean[1306]	-0.08	5.9e-4	0.04	-0.15	-0.11	-0.08	-0.06	-0.01	3715	1.0
y_mean[1307]	-0.98	4.7e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	4635	1.0
y_mean[1308]	-0.28	4.7e-4	0.03	-0.33	-0.3	-0.28	-0.26	-0.22	3882	1.0
y_mean[1309]	0.88	1.0e-3	0.07	0.74	0.84	0.88	0.93	1.01	4629	1.0
y_mean[1310]	-1.34	7.4e-4	0.05	-1.43	-1.37	-1.34	-1.31	-1.24	4442	1.0
y_mean[1311]	-0.3	3.5e-4	0.02	-0.35	-0.32	-0.3	-0.29	-0.26	4274	1.0
y_mean[1312]	-0.16	5.4e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.09	3986	1.0
y_mean[1313]	1.25	6.1e-4	0.04	1.17	1.22	1.25	1.28	1.33	4633	1.0
y_mean[1314]	-0.19	5.0e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3845	1.0
y_mean[1315]	-0.43	4.6e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.38	3995	1.0
y_mean[1316]	0.42	5.1e-4	0.03	0.36	0.4	0.42	0.45	0.49	4103	1.0
y_mean[1317]	-0.7	3.8e-4	0.03	-0.75	-0.71	-0.7	-0.68	-0.65	4532	1.0
y_mean[1318]	1.05	5.9e-4	0.04	0.96	1.02	1.05	1.07	1.13	4814	1.0
y_mean[1319]	-0.3	3.6e-4	0.02	-0.35	-0.32	-0.3	-0.29	-0.26	4247	1.0
y_mean[1320]	2.2	1.3e-3	0.08	2.04	2.14	2.2	2.26	2.36	4108	1.0
y_mean[1321]	0.88	6.4e-4	0.04	0.8	0.86	0.88	0.91	0.96	4016	1.0
y_mean[1322]	-0.61	3.7e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.56	4521	1.0
y_mean[1323]	-0.72	5.0e-4	0.03	-0.79	-0.74	-0.72	-0.7	-0.65	4729	1.0
y_mean[1324]	-0.59	3.9e-4	0.03	-0.65	-0.61	-0.59	-0.57	-0.54	4890	1.0
y_mean[1325]	0.94	7.2e-4	0.04	0.85	0.91	0.94	0.97	1.03	3823	1.0
y_mean[1326]	-0.21	3.8e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.16	4813	1.0
y_mean[1327]	0.65	6.3e-4	0.04	0.56	0.62	0.65	0.68	0.74	4765	1.0
y_mean[1328]	-0.19	4.2e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.14	4621	1.0
y_mean[1329]	1.19	8.4e-4	0.06	1.08	1.15	1.19	1.23	1.31	4778	1.0
y_mean[1330]	0.23	3.7e-4	0.02	0.18	0.21	0.23	0.24	0.27	4590	1.0
y_mean[1331]	-0.13	4.0e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.07	5138	1.0
y_mean[1332]	-0.5	3.2e-4	0.02	-0.55	-0.52	-0.5	-0.49	-0.46	4604	1.0
y_mean[1333]	0.04	7.0e-4	0.04	-0.04	8.4e-3	0.04	0.07	0.12	3717	1.0
y_mean[1334]	2.59	1.1e-3	0.08	2.44	2.54	2.59	2.64	2.73	4454	1.0
y_mean[1335]	-0.36	5.4e-4	0.04	-0.43	-0.38	-0.36	-0.33	-0.28	4922	1.0
y_mean[1336]	1.19	6.8e-4	0.05	1.1	1.16	1.19	1.22	1.29	4833	1.0
y_mean[1337]	-0.32	5.4e-4	0.04	-0.39	-0.34	-0.32	-0.29	-0.25	4572	1.0
y_mean[1338]	-0.74	5.5e-4	0.04	-0.82	-0.77	-0.74	-0.72	-0.67	4557	1.0
y_mean[1339]	-0.25	4.6e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.18	4962	1.0
y_mean[1340]	-0.24	5.3e-4	0.03	-0.3	-0.26	-0.24	-0.21	-0.17	3759	1.0
y_mean[1341]	-0.17	5.3e-4	0.03	-0.24	-0.2	-0.17	-0.15	-0.11	3774	1.0
y_mean[1342]	0.66	4.4e-4	0.03	0.6	0.64	0.66	0.68	0.71	4565	1.0
y_mean[1343]	-0.13	3.5e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.08	4723	1.0
y_mean[1344]	-0.39	3.6e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	4375	1.0
y_mean[1345]	-0.47	3.6e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	4740	1.0
y_mean[1346]	-0.15	3.8e-4	0.03	-0.2	-0.16	-0.15	-0.13	-0.09	4639	1.0
y_mean[1347]	-0.45	4.7e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.39	4187	1.0
y_mean[1348]	1.49	1.3e-3	0.08	1.33	1.44	1.49	1.55	1.65	3782	1.0

y_mean[1349]	-0.13	3.7e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.08	4644	1.0
y_mean[1350]	-0.83	5.0e-4	0.03	-0.9	-0.85	-0.83	-0.81	-0.76	4481	1.0
y_mean[1351]	0.18	5.9e-4	0.04	0.1	0.16	0.18	0.21	0.27	5136	1.0
y_mean[1352]	-0.81	4.5e-4	0.03	-0.87	-0.83	-0.81	-0.79	-0.75	4628	1.0
y_mean[1353]	9.9e-5	3.1e-4	0.02	-0.04	-0.01	-2.0e-4	0.01	0.04	4622	1.0
y_mean[1354]	-0.71	3.9e-4	0.03	-0.76	-0.73	-0.71	-0.69	-0.66	4508	1.0
y_mean[1355]	-0.32	3.9e-4	0.03	-0.37	-0.34	-0.32	-0.3	-0.27	4125	1.0
y_mean[1356]	-0.45	3.6e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.4	4766	1.0
y_mean[1357]	-0.43	3.4e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	4408	1.0
y_mean[1358]	0.55	5.0e-4	0.04	0.48	0.53	0.55	0.57	0.62	4882	1.0
y_mean[1359]	-0.04	3.2e-4	0.02	-0.08	-0.05	-0.04	-0.02	4.5e-3	4646	1.0
y_mean[1360]	1.61	9.0e-4	0.06	1.5	1.57	1.61	1.65	1.72	4012	1.0
y_mean[1361]	-0.31	3.4e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	4638	1.0
y_mean[1362]	-0.43	3.7e-4	0.03	-0.48	-0.45	-0.43	-0.42	-0.38	4840	1.0
y_mean[1363]	-0.6	3.4e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	4592	1.0
y_mean[1364]	-0.58	3.5e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.53	4540	1.0
y_mean[1365]	0.09	3.3e-4	0.02	0.05	0.08	0.09	0.11	0.14	4778	1.0
y_mean[1366]	-0.28	3.1e-4	0.02	-0.32	-0.29	-0.28	-0.26	-0.24	4792	1.0
y_mean[1367]	-0.04	3.1e-4	0.02	-0.08	-0.05	-0.04	-0.02	3.3e-3	4638	1.0
y_mean[1368]	0.29	4.2e-4	0.03	0.24	0.27	0.29	0.31	0.35	4421	1.0
y_mean[1369]	0.61	5.5e-4	0.04	0.54	0.59	0.61	0.64	0.69	4483	1.0
y_mean[1370]	0.67	4.5e-4	0.03	0.61	0.65	0.67	0.69	0.73	4532	1.0
y_mean[1371]	-1.0	4.5e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.94	4569	1.0
y_mean[1372]	-0.11	3.5e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.06	4654	1.0
y_mean[1373]	-0.14	3.2e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	5025	1.0
y_mean[1374]	0.04	5.1e-4	0.03	-0.03	0.01	0.03	0.06	0.1	4023	1.0
y_mean[1375]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4509	1.0
y_mean[1376]	0.22	4.2e-4	0.03	0.17	0.21	0.22	0.24	0.28	4192	1.0
y_mean[1377]	0.44	6.2e-4	0.04	0.36	0.41	0.44	0.47	0.51	3917	1.0
y_mean[1378]	-0.22	3.3e-4	0.02	-0.26	-0.23	-0.22	-0.2	-0.17	4636	1.0
y_mean[1379]	-0.84	4.9e-4	0.03	-0.91	-0.86	-0.84	-0.82	-0.78	4532	1.0
y_mean[1380]	-0.83	5.2e-4	0.04	-0.89	-0.85	-0.83	-0.8	-0.76	4548	1.0
y_mean[1381]	-0.38	3.5e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.33	4719	1.0
y_mean[1382]	-0.48	3.2e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	4623	1.0
y_mean[1383]	-0.03	6.7e-4	0.04	-0.11	-0.06	-0.03	-4.6e-4	0.05	4017	1.0
y_mean[1384]	-0.15	5.2e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.08	4164	1.0
y_mean[1385]	0.69	7.3e-4	0.04	0.6	0.66	0.68	0.72	0.77	3596	1.0
y_mean[1386]	-0.05	4.9e-4	0.03	-0.11	-0.07	-0.05	-0.03	9.4e-3	3997	1.0
y_mean[1387]	-0.32	3.8e-4	0.03	-0.37	-0.33	-0.32	-0.3	-0.27	4504	1.0
y_mean[1388]	-0.06	6.4e-4	0.04	-0.14	-0.09	-0.06	-0.04	0.02	3995	1.0
y_mean[1389]	0.75	9.7e-4	0.07	0.62	0.7	0.75	0.79	0.88	4637	1.0
y_mean[1390]	0.47	8.4e-4	0.05	0.37	0.44	0.47	0.51	0.58	3988	1.0
y_mean[1391]	0.08	3.1e-4	0.02	0.04	0.07	0.08	0.1	0.12	4558	1.0
y_mean[1392]	-0.75	5.5e-4	0.04	-0.82	-0.77	-0.75	-0.72	-0.67	4498	1.0
y_mean[1393]	-0.18	5.0e-4	0.03	-0.25	-0.2	-0.18	-0.16	-0.11	4592	1.0
y_mean[1394]	-0.1	3.6e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.06	4724	1.0
y_mean[1395]	-0.33	3.7e-4	0.02	-0.38	-0.34	-0.33	-0.31	-0.28	4374	1.0
y_mean[1396]	-0.95	4.5e-4	0.03	-1.01	-0.97	-0.95	-0.93	-0.89	4552	1.0

y_mean[1397]	-0.27	4.3e-4	0.03	-0.32	-0.28	-0.27	-0.25	-0.21	4077	1.0
y_mean[1398]	1.05	6.4e-4	0.04	0.96	1.02	1.05	1.08	1.14	4760	1.0
y_mean[1399]	-0.16	5.0e-4	0.03	-0.22	-0.18	-0.16	-0.13	-0.09	4353	1.0
y_mean[1400]	-0.69	4.6e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.63	4676	1.0
y_mean[1401]	-0.13	5.3e-4	0.04	-0.2	-0.16	-0.14	-0.11	-0.06	4477	1.0
y_mean[1402]	-0.41	5.8e-4	0.04	-0.49	-0.44	-0.41	-0.38	-0.33	4663	1.0
y_mean[1403]	-0.79	6.3e-4	0.04	-0.87	-0.82	-0.79	-0.77	-0.71	4175	1.0
y_mean[1404]	-0.26	3.3e-4	0.02	-0.31	-0.28	-0.26	-0.25	-0.22	4607	1.0
y_mean[1405]	-0.62	3.8e-4	0.03	-0.67	-0.64	-0.62	-0.61	-0.57	4506	1.0
y_mean[1406]	-0.7	5.6e-4	0.04	-0.77	-0.72	-0.7	-0.68	-0.63	4234	1.0
y_mean[1407]	-1.08	4.5e-4	0.03	-1.14	-1.1	-1.08	-1.06	-1.02	4520	1.0
y_mean[1408]	-0.46	7.2e-4	0.05	-0.55	-0.49	-0.46	-0.43	-0.36	4201	1.0
y_mean[1409]	-0.73	4.1e-4	0.03	-0.78	-0.75	-0.73	-0.71	-0.67	4663	1.0
y_mean[1410]	-0.74	4.3e-4	0.03	-0.79	-0.76	-0.74	-0.72	-0.68	4472	1.0
y_mean[1411]	0.12	6.8e-4	0.04	0.04	0.09	0.12	0.15	0.2	3732	1.0
y_mean[1412]	0.19	3.5e-4	0.02	0.14	0.17	0.19	0.21	0.24	4787	1.0
y_mean[1413]	-0.5	4.2e-4	0.03	-0.56	-0.52	-0.51	-0.49	-0.45	4389	1.0
y_mean[1414]	1.06	5.8e-4	0.04	0.98	1.03	1.06	1.09	1.14	4821	1.0
y_mean[1415]	-0.59	3.4e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	4498	1.0
y_mean[1416]	-0.16	4.3e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.11	4273	1.0
y_mean[1417]	-0.26	5.0e-4	0.03	-0.33	-0.28	-0.26	-0.24	-0.19	4595	1.0
y_mean[1418]	0.2	3.6e-4	0.02	0.15	0.18	0.2	0.22	0.25	4464	1.0
y_mean[1419]	-0.99	4.5e-4	0.03	-1.05	-1.01	-0.99	-0.97	-0.93	4592	1.0
y_mean[1420]	1.35	7.0e-4	0.05	1.26	1.32	1.35	1.38	1.44	4461	1.0
y_mean[1421]	-1.01	4.5e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.95	4503	1.0
y_mean[1422]	-0.4	5.9e-4	0.04	-0.48	-0.43	-0.4	-0.38	-0.33	4626	1.0
y_mean[1423]	1.14	7.6e-4	0.05	1.03	1.1	1.14	1.17	1.24	4798	1.0
y_mean[1424]	0.08	5.9e-4	0.04	5.0e-3	0.05	0.08	0.1	0.15	3853	1.0
y_mean[1425]	0.6	5.0e-4	0.03	0.54	0.58	0.6	0.62	0.66	4320	1.0
y_mean[1426]	-0.66	4.1e-4	0.03	-0.72	-0.68	-0.67	-0.65	-0.61	4478	1.0
y_mean[1427]	-0.3	3.9e-4	0.03	-0.35	-0.32	-0.3	-0.29	-0.25	4459	1.0
y_mean[1428]	-0.06	3.6e-4	0.02	-0.11	-0.08	-0.06	-0.05	-0.01	4645	1.0
y_mean[1429]	0.36	4.0e-4	0.03	0.31	0.34	0.36	0.38	0.41	4058	1.0
y_mean[1430]	0.69	4.4e-4	0.03	0.63	0.67	0.69	0.71	0.75	4724	1.0
y_mean[1431]	-0.44	3.0e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.4	4804	1.0
y_mean[1432]	-0.2	3.8e-4	0.02	-0.25	-0.22	-0.2	-0.18	-0.15	4226	1.0
y_mean[1433]	1.09	8.8e-4	0.06	0.97	1.05	1.09	1.13	1.21	4671	1.0
y_mean[1434]	0.32	6.8e-4	0.04	0.24	0.29	0.32	0.35	0.41	4360	1.0
y_mean[1435]	0.83	5.0e-4	0.03	0.76	0.81	0.83	0.85	0.9	4540	1.0
y_mean[1436]	-0.4	3.4e-4	0.02	-0.45	-0.42	-0.4	-0.38	-0.35	4811	1.0
y_mean[1437]	-0.66	4.7e-4	0.03	-0.72	-0.68	-0.66	-0.63	-0.59	4485	1.0
y_mean[1438]	-1.04	4.7e-4	0.03	-1.1	-1.06	-1.04	-1.02	-0.97	4579	1.0
y_mean[1439]	-1.18	5.3e-4	0.04	-1.24	-1.2	-1.18	-1.15	-1.11	4387	1.0
y_mean[1440]	0.31	7.5e-4	0.05	0.21	0.27	0.31	0.34	0.41	4433	1.0
y_mean[1441]	1.97	1.2e-3	0.07	1.82	1.92	1.97	2.02	2.12	3785	1.0
y_mean[1442]	0.64	4.6e-4	0.03	0.57	0.62	0.64	0.66	0.7	4826	1.0
y_mean[1443]	-0.62	3.4e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4506	1.0
y_mean[1444]	-0.13	4.0e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.07	4606	1.0

y_mean[1445]	-0.09	4.2e-4	0.03	-0.14	-0.1	-0.09	-0.07	-0.03	4336	1.0
y_mean[1446]	1.06	5.1e-4	0.03	0.99	1.04	1.06	1.08	1.12	4432	1.0
y_mean[1447]	-0.23	3.5e-4	0.02	-0.27	-0.24	-0.23	-0.21	-0.18	4582	1.0
y_mean[1448]	-0.52	3.5e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.47	4753	1.0
y_mean[1449]	0.66	4.4e-4	0.03	0.6	0.64	0.66	0.68	0.71	4565	1.0
y_mean[1450]	0.88	6.6e-4	0.04	0.8	0.85	0.88	0.91	0.96	4006	1.0
y_mean[1451]	-0.22	4.6e-4	0.03	-0.28	-0.24	-0.22	-0.2	-0.16	4619	1.0
y_mean[1452]	-0.25	3.7e-4	0.02	-0.3	-0.27	-0.25	-0.23	-0.2	4317	1.0
y_mean[1453]	-0.02	3.1e-4	0.02	-0.06	-0.03	-0.02	-7.5e-4	0.03	4639	1.0
y_mean[1454]	-0.29	3.8e-4	0.03	-0.34	-0.3	-0.29	-0.27	-0.24	4468	1.0
y_mean[1455]	-0.16	6.0e-4	0.04	-0.24	-0.19	-0.16	-0.14	-0.09	4048	1.0
y_mean[1456]	0.03	3.8e-4	0.03	-0.02	8.2e-3	0.03	0.04	0.08	4538	1.0
y_mean[1457]	-0.17	3.7e-4	0.03	-0.22	-0.19	-0.17	-0.16	-0.12	4771	1.0
y_mean[1458]	-0.11	4.9e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.05	3983	1.0
y_mean[1459]	-0.67	3.6e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.62	4537	1.0
y_mean[1460]	-0.19	4.7e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	4330	1.0
y_mean[1461]	0.91	4.6e-4	0.03	0.84	0.89	0.91	0.93	0.97	4627	1.0
y_mean[1462]	-0.71	3.9e-4	0.03	-0.76	-0.72	-0.71	-0.69	-0.65	4509	1.0
y_mean[1463]	-0.03	3.2e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.02	4592	1.0
y_mean[1464]	-0.07	3.6e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.02	4744	1.0
y_mean[1465]	-0.67	4.1e-4	0.03	-0.72	-0.68	-0.67	-0.65	-0.61	4477	1.0
y_mean[1466]	-0.38	3.8e-4	0.02	-0.43	-0.4	-0.38	-0.36	-0.33	4234	1.0
y_mean[1467]	-0.25	4.5e-4	0.03	-0.3	-0.27	-0.25	-0.23	-0.19	3951	1.0
y_mean[1468]	-0.71	3.9e-4	0.03	-0.76	-0.73	-0.71	-0.69	-0.66	4617	1.0
y_mean[1469]	-0.68	3.8e-4	0.03	-0.73	-0.7	-0.68	-0.66	-0.63	4492	1.0
y_mean[1470]	0.24	3.3e-4	0.02	0.2	0.23	0.24	0.26	0.29	4874	1.0
y_mean[1471]	0.51	7.5e-4	0.05	0.41	0.47	0.51	0.54	0.61	4686	1.0
y_mean[1472]	-0.89	4.6e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	4854	1.0
y_mean[1473]	0.19	4.1e-4	0.03	0.14	0.17	0.19	0.21	0.24	4233	1.0
y_mean[1474]	-0.57	3.3e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4534	1.0
y_mean[1475]	-0.16	5.5e-4	0.03	-0.23	-0.18	-0.16	-0.13	-0.09	3972	1.0
y_mean[1476]	-0.9	5.4e-4	0.04	-0.97	-0.93	-0.9	-0.88	-0.83	4287	1.0
y_mean[1477]	-0.08	3.4e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	4680	1.0
y_mean[1478]	-0.51	3.3e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4437	1.0
y_mean[1479]	-0.61	3.7e-4	0.03	-0.66	-0.63	-0.61	-0.6	-0.56	4513	1.0
y_mean[1480]	1.22	8.9e-4	0.06	1.11	1.18	1.22	1.26	1.33	3896	1.0
y_mean[1481]	-0.68	4.2e-4	0.03	-0.73	-0.7	-0.68	-0.66	-0.62	4468	1.0
y_mean[1482]	0.01	3.2e-4	0.02	-0.03	-2.5e-3	0.01	0.03	0.05	4674	1.0
y_mean[1483]	-0.15	3.8e-4	0.03	-0.2	-0.16	-0.15	-0.13	-0.09	4639	1.0
y_mean[1484]	-1.15	4.6e-4	0.03	-1.21	-1.17	-1.15	-1.13	-1.09	4463	1.0
y_mean[1485]	2.36	9.5e-4	0.06	2.23	2.32	2.36	2.4	2.48	4296	1.0
y_mean[1486]	1.49	8.2e-4	0.05	1.39	1.46	1.49	1.53	1.59	4093	1.0
y_mean[1487]	-0.54	3.2e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.5	4532	1.0
y_mean[1488]	0.02	5.7e-4	0.04	-0.05	-4.0e-3	0.02	0.05	0.09	3938	1.0
y_mean[1489]	-0.06	4.0e-4	0.03	-0.12	-0.08	-0.06	-0.04	-2.2e-3	5186	1.0
y_mean[1490]	-0.13	5.0e-4	0.03	-0.2	-0.15	-0.13	-0.11	-0.07	4466	1.0
y_mean[1491]	0.55	4.8e-4	0.03	0.48	0.52	0.55	0.57	0.61	4635	1.0
y_mean[1492]	-0.66	3.5e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	4534	1.0

y_mean[1493]	0.85	8.0e-4	0.05	0.74	0.81	0.85	0.88	0.95	4052	1.0
y_mean[1494]	-0.32	3.8e-4	0.03	-0.37	-0.34	-0.32	-0.31	-0.27	4282	1.0
y_mean[1495]	-0.66	3.9e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.61	4829	1.0
y_mean[1496]	2.8e-3	5.8e-4	0.04	-0.07	-0.02	2.9e-3	0.03	0.07	3789	1.0
y_mean[1497]	0.79	4.7e-4	0.03	0.72	0.77	0.79	0.81	0.85	4621	1.0
y_mean[1498]	-0.38	4.5e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.33	4212	1.0
y_mean[1499]	-0.7	3.9e-4	0.03	-0.76	-0.72	-0.7	-0.69	-0.65	4512	1.0
y_mean[1500]	-0.94	4.3e-4	0.03	-1.0	-0.96	-0.95	-0.93	-0.89	4724	1.0
y_mean[1501]	-0.23	5.1e-4	0.03	-0.3	-0.26	-0.23	-0.21	-0.17	3837	1.0
y_mean[1502]	-0.35	3.0e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	4966	1.0
y_mean[1503]	0.3	5.5e-4	0.03	0.23	0.27	0.3	0.32	0.36	4014	1.0
y_mean[1504]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4486	1.0
y_mean[1505]	0.54	7.3e-4	0.05	0.44	0.51	0.54	0.58	0.64	4675	1.0
y_mean[1506]	-0.26	4.2e-4	0.03	-0.31	-0.28	-0.26	-0.24	-0.21	4009	1.0
y_mean[1507]	-0.55	3.4e-4	0.02	-0.6	-0.57	-0.55	-0.54	-0.51	4565	1.0
y_mean[1508]	-0.67	3.8e-4	0.03	-0.72	-0.69	-0.67	-0.65	-0.62	4491	1.0
y_mean[1509]	0.28	4.1e-4	0.03	0.22	0.26	0.28	0.29	0.33	4347	1.0
y_mean[1510]	0.05	3.8e-4	0.03	-9.9e-4	0.03	0.05	0.07	0.1	4406	1.0
y_mean[1511]	-0.42	3.4e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.37	4839	1.0
y_mean[1512]	0.41	6.8e-4	0.05	0.32	0.38	0.41	0.44	0.5	4780	1.0
y_mean[1513]	-0.48	7.9e-4	0.05	-0.58	-0.51	-0.48	-0.44	-0.37	4279	1.0
y_mean[1514]	-0.04	3.2e-4	0.02	-0.09	-0.06	-0.04	-0.03	-6.5e-4	4652	1.0
y_mean[1515]	0.21	6.1e-4	0.04	0.13	0.18	0.21	0.24	0.28	4130	1.0
y_mean[1516]	-0.52	3.5e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	4625	1.0
y_mean[1517]	-0.27	5.3e-4	0.04	-0.33	-0.29	-0.27	-0.24	-0.19	4538	1.0
y_mean[1518]	0.17	2.7e-4	0.02	0.13	0.16	0.17	0.18	0.21	5096	1.0
y_mean[1519]	-0.38	4.9e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	4077	1.0
y_mean[1520]	-1.02	4.4e-4	0.03	-1.07	-1.03	-1.02	-1.0	-0.96	4532	1.0
y_mean[1521]	1.88	8.6e-4	0.06	1.76	1.84	1.88	1.92	2.0	4822	1.0
y_mean[1522]	0.51	5.9e-4	0.04	0.43	0.48	0.51	0.53	0.58	3764	1.0
y_mean[1523]	-0.26	5.4e-4	0.04	-0.33	-0.29	-0.26	-0.24	-0.19	4517	1.0
y_mean[1524]	-0.38	4.6e-4	0.03	-0.44	-0.41	-0.39	-0.36	-0.32	4219	1.0
y_mean[1525]	-0.07	5.5e-4	0.03	-0.14	-0.09	-0.07	-0.05	-4.1e-3	3860	1.0
y_mean[1526]	-0.14	3.5e-4	0.02	-0.19	-0.16	-0.14	-0.12	-0.09	4756	1.0
y_mean[1527]	-0.28	3.2e-4	0.02	-0.32	-0.29	-0.28	-0.26	-0.24	4568	1.0
y_mean[1528]	0.53	6.9e-4	0.04	0.44	0.5	0.53	0.56	0.61	3906	1.0
y_mean[1529]	0.69	4.7e-4	0.03	0.63	0.67	0.7	0.72	0.75	4477	1.0
y_mean[1530]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4520	1.0
y_mean[1531]	-0.53	3.2e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.49	4535	1.0
y_mean[1532]	0.97	6.6e-4	0.04	0.88	0.94	0.97	1.0	1.05	4686	1.0
y_mean[1533]	-0.6	4.1e-4	0.03	-0.66	-0.62	-0.6	-0.58	-0.55	4402	1.0
y_mean[1534]	-0.34	4.3e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	4034	1.0
y_mean[1535]	-0.66	5.3e-4	0.03	-0.73	-0.69	-0.66	-0.64	-0.59	4392	1.0
y_mean[1536]	-0.55	3.2e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.51	4526	1.0
y_mean[1537]	1.49	8.6e-4	0.06	1.38	1.45	1.49	1.53	1.6	4245	1.0
y_mean[1538]	-0.63	3.5e-4	0.02	-0.68	-0.65	-0.63	-0.62	-0.59	4504	1.0
y_mean[1539]	0.34	5.0e-4	0.03	0.28	0.32	0.34	0.36	0.4	3890	1.0
y_mean[1540]	-0.45	3.0e-4	0.02	-0.49	-0.47	-0.45	-0.44	-0.41	4745	1.0

y_mean[1541]	-0.2	3.9e-4	0.03	-0.25	-0.22	-0.2	-0.18	-0.15	4751	1.0
y_mean[1542]	0.61	4.3e-4	0.03	0.55	0.59	0.61	0.63	0.66	4614	1.0
y_mean[1543]	-0.43	4.7e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	4244	1.0
y_mean[1544]	-0.35	4.2e-4	0.03	-0.4	-0.37	-0.35	-0.33	-0.3	4134	1.0
y_mean[1545]	0.18	8.4e-4	0.06	0.07	0.14	0.18	0.21	0.29	4448	1.0
y_mean[1546]	0.36	3.2e-4	0.02	0.32	0.35	0.36	0.38	0.4	4782	1.0
y_mean[1547]	-0.55	4.2e-4	0.03	-0.6	-0.57	-0.55	-0.53	-0.49	4446	1.0
y_mean[1548]	-0.78	4.5e-4	0.03	-0.84	-0.8	-0.78	-0.76	-0.71	4744	1.0
y_mean[1549]	-1.11	5.2e-4	0.03	-1.18	-1.14	-1.12	-1.09	-1.05	4533	1.0
y_mean[1550]	0.37	4.9e-4	0.03	0.3	0.35	0.37	0.39	0.43	4422	1.0
y_mean[1551]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4486	1.0
y_mean[1552]	0.33	6.8e-4	0.05	0.24	0.3	0.33	0.36	0.43	4607	1.0
y_mean[1553]	-1.84	9.9e-4	0.07	-1.97	-1.89	-1.84	-1.8	-1.71	4524	1.0
y_mean[1554]	-0.13	4.9e-4	0.03	-0.2	-0.16	-0.13	-0.11	-0.07	4761	1.0
y_mean[1555]	0.23	5.5e-4	0.04	0.15	0.2	0.22	0.25	0.3	4857	1.0
y_mean[1556]	-1.03	4.5e-4	0.03	-1.09	-1.05	-1.03	-1.01	-0.97	4517	1.0
y_mean[1557]	9.7e-3	4.7e-4	0.03	-0.05	-0.01	9.1e-3	0.03	0.07	4469	1.0
y_mean[1558]	0.02	3.1e-4	0.02	-0.02	4.2e-3	0.02	0.03	0.06	4575	1.0
y_mean[1559]	0.04	3.0e-4	0.02	-4.1e-3	0.02	0.04	0.05	0.08	4600	1.0
y_mean[1560]	0.58	4.2e-4	0.03	0.53	0.57	0.59	0.6	0.64	4657	1.0
y_mean[1561]	0.65	8.0e-4	0.05	0.55	0.62	0.65	0.69	0.75	3924	1.0
y_mean[1562]	1.48	6.3e-4	0.04	1.4	1.45	1.48	1.51	1.56	4572	1.0
y_mean[1563]	0.5	4.5e-4	0.03	0.44	0.48	0.5	0.52	0.56	4743	1.0
y_mean[1564]	-0.04	5.8e-4	0.04	-0.12	-0.07	-0.04	-0.02	0.03	4638	1.0
y_mean[1565]	-0.14	3.6e-4	0.02	-0.19	-0.16	-0.14	-0.12	-0.09	4671	1.0
y_mean[1566]	0.28	4.2e-4	0.03	0.23	0.26	0.28	0.3	0.34	4161	1.0
y_mean[1567]	1.29	6.7e-4	0.04	1.21	1.26	1.29	1.32	1.38	3991	1.0
y_mean[1568]	-0.4	6.3e-4	0.04	-0.48	-0.43	-0.4	-0.37	-0.32	4546	1.0
y_mean[1569]	0.34	4.7e-4	0.03	0.28	0.32	0.34	0.37	0.41	4926	1.0
y_mean[1570]	-0.32	4.1e-4	0.03	-0.37	-0.34	-0.32	-0.3	-0.27	4076	1.0
y_mean[1571]	-0.25	4.9e-4	0.03	-0.32	-0.27	-0.25	-0.23	-0.19	4565	1.0
y_mean[1572]	-0.46	3.6e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	4381	1.0
y_mean[1573]	0.58	6.8e-4	0.04	0.5	0.55	0.58	0.61	0.67	4372	1.0
y_mean[1574]	-0.53	3.3e-4	0.02	-0.58	-0.55	-0.53	-0.52	-0.49	4458	1.0
y_mean[1575]	0.52	4.4e-4	0.03	0.46	0.5	0.52	0.54	0.58	4722	1.0
y_mean[1576]	-0.59	3.7e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.54	4503	1.0
y_mean[1577]	0.94	6.6e-4	0.04	0.86	0.92	0.94	0.97	1.02	3962	1.0
y_mean[1578]	-0.36	3.4e-4	0.02	-0.4	-0.37	-0.36	-0.34	-0.31	4336	1.0
y_mean[1579]	-0.32	4.9e-4	0.03	-0.39	-0.35	-0.32	-0.3	-0.26	4745	1.0
y_mean[1580]	-0.32	6.5e-4	0.04	-0.41	-0.35	-0.33	-0.3	-0.24	4611	1.0
y_mean[1581]	-0.34	4.4e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.28	4093	1.0
y_mean[1582]	-0.02	3.1e-4	0.02	-0.06	-0.04	-0.02	-7.4e-3	0.02	4633	1.0
y_mean[1583]	-0.62	4.9e-4	0.03	-0.69	-0.64	-0.62	-0.6	-0.55	4705	1.0
y_mean[1584]	-9.2e-3	5.3e-4	0.04	-0.08	-0.03	-8.9e-3	0.01	0.06	4417	1.0
y_mean[1585]	1.29	6.2e-4	0.04	1.21	1.26	1.29	1.32	1.37	4638	1.0
y_mean[1586]	1.49	8.8e-4	0.06	1.36	1.44	1.49	1.53	1.61	4922	1.0
y_mean[1587]	-0.14	4.4e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.08	4579	1.0
y_mean[1588]	-0.47	3.2e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	4645	1.0

y_mean[1589]	1.43	1.1e-3	0.08	1.28	1.38	1.43	1.48	1.58	4938	1.0
y_mean[1590]	1.14	5.7e-4	0.04	1.06	1.11	1.14	1.16	1.21	4085	1.0
y_mean[1591]	-0.06	4.4e-4	0.03	-0.12	-0.08	-0.06	-0.04	4.2e-3	5303	1.0
y_mean[1592]	0.55	4.1e-4	0.03	0.49	0.53	0.55	0.57	0.6	4761	1.0
y_mean[1593]	0.51	4.7e-4	0.03	0.44	0.48	0.51	0.53	0.57	4774	1.0
y_mean[1594]	-0.91	4.8e-4	0.03	-0.97	-0.93	-0.91	-0.88	-0.84	4666	1.0
y_mean[1595]	-0.47	3.5e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.42	4723	1.0
y_mean[1596]	-0.62	3.4e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4511	1.0
y_mean[1597]	-0.26	4.8e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	3929	1.0
y_mean[1598]	-0.27	4.5e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	4685	1.0
y_mean[1599]	1.56	9.2e-4	0.06	1.43	1.51	1.56	1.6	1.68	4848	1.0
y_mean[1600]	-1.09	4.5e-4	0.03	-1.15	-1.11	-1.09	-1.07	-1.03	4518	1.0
y_mean[1601]	-0.64	4.3e-4	0.03	-0.7	-0.66	-0.64	-0.62	-0.58	4496	1.0
y_mean[1602]	0.35	6.9e-4	0.05	0.26	0.32	0.35	0.38	0.44	4607	1.0
y_mean[1603]	0.22	4.2e-4	0.03	0.17	0.2	0.22	0.24	0.27	4039	1.0
y_mean[1604]	-0.07	3.3e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.03	4670	1.0
y_mean[1605]	0.31	5.6e-4	0.03	0.25	0.29	0.31	0.34	0.38	3717	1.0
y_mean[1606]	-0.04	3.3e-4	0.02	-0.09	-0.06	-0.04	-0.03	5.6e-3	5105	1.0
y_mean[1607]	-0.28	4.4e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	4773	1.0
y_mean[1608]	1.34	8.0e-4	0.05	1.24	1.31	1.34	1.38	1.45	4486	1.0
y_mean[1609]	-0.65	3.6e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.6	4500	1.0
y_mean[1610]	0.83	8.0e-4	0.05	0.72	0.79	0.83	0.86	0.93	4240	1.0
y_mean[1611]	-1.16	4.6e-4	0.03	-1.22	-1.18	-1.16	-1.14	-1.1	4484	1.0
y_mean[1612]	0.1	3.1e-4	0.02	0.05	0.08	0.1	0.11	0.14	4543	1.0
y_mean[1613]	-0.77	4.4e-4	0.03	-0.82	-0.79	-0.77	-0.75	-0.71	4502	1.0
y_mean[1614]	1.0	7.5e-4	0.05	0.91	0.97	1.0	1.03	1.09	3838	1.0
y_mean[1615]	-1.05	4.5e-4	0.03	-1.11	-1.07	-1.05	-1.03	-0.99	4512	1.0
y_mean[1616]	0.48	8.5e-4	0.06	0.36	0.44	0.48	0.52	0.6	5052	1.0
y_mean[1617]	0.54	5.8e-4	0.04	0.47	0.51	0.54	0.57	0.62	4417	1.0
y_mean[1618]	-0.06	5.9e-4	0.04	-0.13	-0.08	-0.06	-0.03	0.02	4444	1.0
y_mean[1619]	-0.73	4.5e-4	0.03	-0.79	-0.75	-0.73	-0.71	-0.67	4721	1.0
y_mean[1620]	0.51	5.1e-4	0.03	0.44	0.48	0.51	0.53	0.57	4682	1.0
y_mean[1621]	5.7e-3	6.7e-4	0.05	-0.08	-0.02	4.7e-3	0.04	0.1	4572	1.0
y_mean[1622]	0.45	4.6e-4	0.03	0.4	0.44	0.45	0.47	0.51	3868	1.0
y_mean[1623]	0.7	6.4e-4	0.04	0.62	0.67	0.7	0.73	0.79	4898	1.0
y_mean[1624]	-0.1	3.6e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.05	4721	1.0
y_mean[1625]	-0.29	4.0e-4	0.03	-0.34	-0.3	-0.29	-0.27	-0.23	4457	1.0
y_mean[1626]	0.86	6.0e-4	0.04	0.78	0.84	0.86	0.89	0.93	4030	1.0
y_mean[1627]	0.07	3.6e-4	0.02	0.02	0.05	0.07	0.08	0.12	4391	1.0
y_mean[1628]	-0.47	3.0e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	4664	1.0
y_mean[1629]	0.48	5.5e-4	0.04	0.41	0.46	0.48	0.51	0.55	4709	1.0
y_mean[1630]	-0.61	4.1e-4	0.03	-0.66	-0.63	-0.61	-0.59	-0.55	4426	1.0
y_mean[1631]	-0.97	5.2e-4	0.03	-1.03	-0.99	-0.97	-0.95	-0.9	4345	1.0
y_mean[1632]	0.13	3.2e-4	0.02	0.09	0.12	0.13	0.15	0.18	4564	1.0
y_mean[1633]	-0.6	3.8e-4	0.03	-0.65	-0.62	-0.6	-0.59	-0.55	4527	1.0
y_mean[1634]	-0.12	3.8e-4	0.03	-0.17	-0.14	-0.12	-0.1	-0.07	4705	1.0
y_mean[1635]	-0.37	3.4e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	4591	1.0
y_mean[1636]	-0.69	3.9e-4	0.03	-0.74	-0.71	-0.69	-0.68	-0.64	4498	1.0

y_mean[1637]	-0.75	4.1e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.69	4576	1.0
y_mean[1638]	0.34	7.4e-4	0.05	0.24	0.31	0.34	0.37	0.44	4570	1.0
y_mean[1639]	-0.43	3.6e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	4381	1.0
y_mean[1640]	-0.62	3.5e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.57	4529	1.0
y_mean[1641]	1.05	7.9e-4	0.05	0.95	1.02	1.05	1.08	1.15	3954	1.0
y_mean[1642]	0.02	3.1e-4	0.02	-0.02	4.6e-3	0.02	0.03	0.06	4530	1.0
y_mean[1643]	0.75	7.1e-4	0.05	0.65	0.71	0.75	0.78	0.84	5107	1.0
y_mean[1644]	0.31	4.7e-4	0.03	0.25	0.29	0.31	0.33	0.37	3909	1.0
y_mean[1645]	-0.98	4.5e-4	0.03	-1.04	-1.0	-0.98	-0.96	-0.92	4557	1.0
y_mean[1646]	-0.63	4.2e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	4906	1.0
y_mean[1647]	0.2	6.0e-4	0.04	0.12	0.17	0.2	0.23	0.28	4785	1.0
y_mean[1648]	-0.07	3.3e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.03	4654	1.0
y_mean[1649]	0.1	6.5e-4	0.05	7.0e-3	0.07	0.1	0.13	0.19	4817	1.0
y_mean[1650]	0.26	6.3e-4	0.04	0.18	0.24	0.26	0.29	0.34	4457	1.0
y_mean[1651]	0.49	8.8e-4	0.05	0.39	0.45	0.49	0.52	0.59	3612	1.0
y_mean[1652]	0.09	3.1e-4	0.02	0.05	0.08	0.09	0.11	0.13	4548	1.0
y_mean[1653]	-0.48	6.2e-4	0.04	-0.57	-0.51	-0.48	-0.46	-0.41	4429	1.0
y_mean[1654]	-0.23	5.6e-4	0.04	-0.3	-0.26	-0.23	-0.21	-0.16	4070	1.0
y_mean[1655]	2.74	1.2e-3	0.08	2.58	2.68	2.74	2.79	2.89	4555	1.0
y_mean[1656]	0.44	7.8e-4	0.05	0.33	0.4	0.44	0.47	0.54	4710	1.0
y_mean[1657]	-0.25	3.2e-4	0.02	-0.3	-0.27	-0.25	-0.24	-0.21	4750	1.0
y_mean[1658]	0.43	5.5e-4	0.04	0.36	0.41	0.43	0.46	0.51	4423	1.0
y_mean[1659]	-0.11	3.4e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	4704	1.0
y_mean[1660]	2.19	1.8e-3	0.12	1.95	2.11	2.19	2.27	2.42	4318	1.0
y_mean[1661]	0.1	7.4e-4	0.05	5.9e-3	0.07	0.1	0.13	0.19	4296	1.0
y_mean[1662]	0.64	4.2e-4	0.03	0.59	0.62	0.64	0.66	0.7	4698	1.0
y_mean[1663]	-1.22	7.3e-4	0.05	-1.32	-1.25	-1.22	-1.19	-1.12	4698	1.0
y_mean[1664]	0.15	4.8e-4	0.03	0.08	0.12	0.15	0.17	0.21	4272	1.0
y_mean[1665]	-0.34	4.3e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.29	4055	1.0
y_mean[1666]	-0.37	2.7e-4	0.02	-0.41	-0.38	-0.37	-0.36	-0.33	4911	1.0
y_mean[1667]	0.77	7.0e-4	0.04	0.68	0.74	0.77	0.8	0.86	4072	1.0
y_mean[1668]	-0.61	3.4e-4	0.02	-0.66	-0.63	-0.61	-0.6	-0.57	4506	1.0
y_mean[1669]	-0.28	3.6e-4	0.02	-0.32	-0.29	-0.28	-0.26	-0.23	4281	1.0
y_mean[1670]	0.16	7.3e-4	0.04	0.08	0.13	0.16	0.19	0.25	3739	1.0
y_mean[1671]	0.17	3.1e-4	0.02	0.13	0.15	0.17	0.18	0.21	4701	1.0
y_mean[1672]	-0.54	4.1e-4	0.03	-0.59	-0.55	-0.54	-0.52	-0.48	4428	1.0
y_mean[1673]	-0.54	3.7e-4	0.02	-0.58	-0.55	-0.54	-0.52	-0.49	4446	1.0
y_mean[1674]	0.54	4.0e-4	0.03	0.49	0.52	0.54	0.56	0.59	4546	1.0
y_mean[1675]	-0.39	3.1e-4	0.02	-0.43	-0.4	-0.39	-0.37	-0.34	4549	1.0
y_mean[1676]	-0.29	4.1e-4	0.03	-0.34	-0.31	-0.29	-0.28	-0.24	4143	1.0
y_mean[1677]	-0.19	4.8e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3852	1.0
y_mean[1678]	0.62	4.2e-4	0.03	0.57	0.6	0.62	0.64	0.68	4667	1.0
y_mean[1679]	0.79	8.0e-4	0.06	0.68	0.75	0.79	0.83	0.9	4944	1.0
y_mean[1680]	0.72	6.9e-4	0.05	0.63	0.69	0.72	0.75	0.81	4275	1.0
y_mean[1681]	-0.43	3.5e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.38	4807	1.0
y_mean[1682]	-0.19	3.2e-4	0.02	-0.23	-0.2	-0.19	-0.17	-0.14	4761	1.0
y_mean[1683]	2.1	1.0e-3	0.07	1.96	2.05	2.09	2.14	2.23	4814	1.0
y_mean[1684]	-0.99	4.5e-4	0.03	-1.05	-1.01	-0.99	-0.97	-0.93	4565	1.0

y_mean[1685]	1.3	6.2e-4	0.04	1.22	1.27	1.3	1.33	1.38	4724	1.0
y_mean[1686]	-0.53	3.4e-4	0.02	-0.57	-0.55	-0.53	-0.51	-0.48	4606	1.0
y_mean[1687]	-0.46	3.8e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	4692	1.0
y_mean[1688]	0.03	4.5e-4	0.03	-0.03	0.01	0.03	0.05	0.09	4426	1.0
y_mean[1689]	-0.42	2.9e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.38	4849	1.0
y_mean[1690]	-0.33	3.7e-4	0.02	-0.38	-0.34	-0.33	-0.31	-0.28	4543	1.0
y_mean[1691]	-0.07	3.3e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	4654	1.0
y_mean[1692]	-0.26	5.6e-4	0.04	-0.33	-0.28	-0.26	-0.23	-0.18	4526	1.0
y_mean[1693]	0.84	1.2e-3	0.08	0.68	0.78	0.84	0.9	1.0	4817	1.0
y_mean[1694]	0.99	4.6e-4	0.03	0.93	0.97	0.99	1.01	1.05	4400	1.0
y_mean[1695]	-0.6	3.4e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.55	4502	1.0
y_mean[1696]	-0.84	5.1e-4	0.04	-0.91	-0.86	-0.84	-0.82	-0.77	4686	1.0
y_mean[1697]	0.47	4.9e-4	0.03	0.41	0.45	0.47	0.49	0.53	3982	1.0
y_mean[1698]	0.77	5.0e-4	0.03	0.7	0.75	0.77	0.79	0.83	4431	1.0
y_mean[1699]	-3.0e-3	5.5e-4	0.03	-0.07	-0.03	-3.1e-3	0.02	0.06	3855	1.0
y_mean[1700]	-0.27	4.1e-4	0.03	-0.33	-0.29	-0.27	-0.26	-0.22	4558	1.0
y_mean[1701]	-1.08	6.0e-4	0.04	-1.15	-1.1	-1.08	-1.05	-0.99	4689	1.0
y_mean[1702]	0.69	5.3e-4	0.03	0.62	0.67	0.69	0.71	0.76	4005	1.0
y_mean[1703]	-0.59	3.6e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	4536	1.0
y_mean[1704]	3.03	1.4e-3	0.1	2.84	2.97	3.03	3.1	3.22	4591	1.0
y_mean[1705]	0.52	5.2e-4	0.03	0.45	0.5	0.52	0.54	0.58	3751	1.0
y_mean[1706]	0.68	4.6e-4	0.03	0.62	0.66	0.68	0.7	0.74	4501	1.0
y_mean[1707]	0.49	5.3e-4	0.03	0.43	0.47	0.49	0.51	0.55	3751	1.0
y_mean[1708]	-0.21	4.2e-4	0.03	-0.26	-0.23	-0.21	-0.19	-0.15	4639	1.0
y_mean[1709]	-0.15	3.9e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	4637	1.0
y_mean[1710]	0.07	3.4e-4	0.02	0.03	0.06	0.07	0.09	0.12	4418	1.0
y_mean[1711]	-0.34	4.1e-4	0.03	-0.39	-0.35	-0.34	-0.32	-0.29	3914	1.0
y_mean[1712]	0.8	6.5e-4	0.04	0.73	0.78	0.8	0.83	0.88	3876	1.0
y_mean[1713]	-0.43	5.2e-4	0.03	-0.49	-0.45	-0.43	-0.4	-0.36	4321	1.0
y_mean[1714]	-0.56	3.2e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	4502	1.0
y_mean[1715]	0.19	4.5e-4	0.03	0.13	0.17	0.19	0.21	0.25	4490	1.0
y_mean[1716]	0.76	6.9e-4	0.05	0.67	0.72	0.76	0.79	0.84	4367	1.0
y_mean[1717]	0.19	3.8e-4	0.03	0.14	0.17	0.19	0.21	0.24	4703	1.0
y_mean[1718]	0.6	4.2e-4	0.03	0.55	0.58	0.6	0.62	0.66	4731	1.0
y_mean[1719]	0.77	5.5e-4	0.04	0.69	0.74	0.77	0.8	0.84	4946	1.0
y_mean[1720]	0.2	3.6e-4	0.02	0.15	0.18	0.2	0.21	0.24	4290	1.0
y_mean[1721]	4.8e-3	6.4e-4	0.04	-0.07	-0.02	4.5e-3	0.03	0.08	3834	1.0
y_mean[1722]	-0.17	4.9e-4	0.03	-0.24	-0.2	-0.17	-0.15	-0.11	4292	1.0
y_mean[1723]	-0.56	4.0e-4	0.03	-0.61	-0.58	-0.56	-0.54	-0.51	4399	1.0
y_mean[1724]	-0.33	2.9e-4	0.02	-0.37	-0.34	-0.33	-0.32	-0.29	4769	1.0
y_mean[1725]	-0.27	4.3e-4	0.03	-0.32	-0.29	-0.27	-0.25	-0.21	4663	1.0
y_mean[1726]	-0.38	3.2e-4	0.02	-0.42	-0.39	-0.38	-0.37	-0.34	4562	1.0
y_mean[1727]	-0.35	5.2e-4	0.04	-0.41	-0.37	-0.35	-0.32	-0.27	4927	1.0
y_mean[1728]	0.69	7.3e-4	0.05	0.59	0.66	0.69	0.72	0.79	5134	1.0
y_mean[1729]	0.12	3.5e-4	0.02	0.08	0.1	0.12	0.14	0.17	4531	1.0
y_mean[1730]	-0.82	5.6e-4	0.04	-0.89	-0.85	-0.82	-0.8	-0.75	4381	1.0
y_mean[1731]	0.47	6.1e-4	0.04	0.39	0.45	0.47	0.5	0.55	3963	1.0
y_mean[1732]	1.32	1.1e-3	0.07	1.17	1.27	1.32	1.37	1.46	4690	1.0

y_mean[1733]	0.59	4.2e-4	0.03	0.54	0.57	0.59	0.61	0.65	4665	1.0
y_mean[1734]	0.06	3.1e-4	0.02	0.02	0.05	0.06	0.08	0.1	4493	1.0
y_mean[1735]	0.33	7.5e-4	0.05	0.23	0.3	0.33	0.37	0.43	4581	1.0
y_mean[1736]	-1.15	4.6e-4	0.03	-1.21	-1.17	-1.15	-1.13	-1.09	4474	1.0
y_mean[1737]	-0.54	3.4e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.5	4573	1.0
y_mean[1738]	0.35	3.6e-4	0.02	0.3	0.34	0.35	0.37	0.4	4174	1.0
y_mean[1739]	1.44	7.2e-4	0.05	1.35	1.41	1.44	1.48	1.53	4367	1.0
y_mean[1740]	-0.71	3.9e-4	0.03	-0.76	-0.73	-0.71	-0.69	-0.66	4522	1.0
y_mean[1741]	0.24	4.1e-4	0.03	0.19	0.22	0.24	0.26	0.29	4161	1.0
y_mean[1742]	1.22	6.6e-4	0.04	1.13	1.19	1.22	1.25	1.3	4293	1.0
y_mean[1743]	1.05	6.6e-4	0.05	0.96	1.02	1.05	1.09	1.14	5048	1.0
y_mean[1744]	-0.52	3.2e-4	0.02	-0.56	-0.54	-0.52	-0.51	-0.48	4790	1.0
y_mean[1745]	-0.39	2.8e-4	0.02	-0.43	-0.41	-0.39	-0.38	-0.35	4864	1.0
y_mean[1746]	1.14	6.0e-4	0.04	1.06	1.12	1.14	1.17	1.22	4702	1.0
y_mean[1747]	-0.72	6.4e-4	0.04	-0.8	-0.75	-0.72	-0.69	-0.63	4845	1.0
y_mean[1748]	0.14	3.7e-4	0.02	0.09	0.12	0.14	0.15	0.18	4343	1.0
y_mean[1749]	2.11	7.7e-4	0.05	2.01	2.07	2.11	2.14	2.21	4679	1.0
y_mean[1750]	0.19	5.8e-4	0.04	0.11	0.16	0.19	0.22	0.27	4978	1.0
y_mean[1751]	-0.82	4.4e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.76	4836	1.0
y_mean[1752]	0.59	7.0e-4	0.05	0.5	0.56	0.59	0.62	0.69	4773	1.0
y_mean[1753]	1.54	8.5e-4	0.06	1.42	1.49	1.54	1.58	1.65	4826	1.0
y_mean[1754]	-0.98	5.4e-4	0.04	-1.05	-1.0	-0.98	-0.96	-0.91	4337	1.0
y_mean[1755]	0.06	5.8e-4	0.04	-0.02	0.03	0.06	0.08	0.13	4004	1.0
y_mean[1756]	-0.28	4.9e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	4610	1.0
y_mean[1757]	-0.53	3.6e-4	0.02	-0.58	-0.55	-0.53	-0.51	-0.48	4633	1.0
y_mean[1758]	-0.6	3.4e-4	0.02	-0.65	-0.62	-0.6	-0.59	-0.56	4506	1.0
y_mean[1759]	0.72	5.8e-4	0.04	0.64	0.69	0.72	0.74	0.79	3904	1.0
y_mean[1760]	-0.49	3.8e-4	0.03	-0.54	-0.5	-0.49	-0.47	-0.44	4332	1.0
y_mean[1761]	-0.66	3.6e-4	0.02	-0.71	-0.68	-0.66	-0.64	-0.61	4538	1.0
y_mean[1762]	-0.3	5.3e-4	0.04	-0.37	-0.32	-0.3	-0.27	-0.23	4675	1.0
y_mean[1763]	0.24	4.2e-4	0.03	0.19	0.22	0.24	0.26	0.3	4108	1.0
y_mean[1764]	2.38	1.5e-3	0.09	2.2	2.32	2.38	2.44	2.56	3723	1.0
y_mean[1765]	-0.29	5.1e-4	0.03	-0.36	-0.31	-0.29	-0.27	-0.22	4582	1.0
y_mean[1766]	1.38	8.1e-4	0.05	1.27	1.34	1.38	1.41	1.48	4336	1.0
y_mean[1767]	0.12	3.5e-4	0.02	0.08	0.11	0.12	0.14	0.17	4420	1.0
y_mean[1768]	0.97	6.1e-4	0.04	0.89	0.94	0.97	1.0	1.05	4885	1.0
y_mean[1769]	1.39	6.6e-4	0.04	1.3	1.36	1.39	1.42	1.48	4573	1.0
y_mean[1770]	0.55	5.8e-4	0.04	0.47	0.52	0.55	0.57	0.62	3818	1.0
y_mean[1771]	-0.14	4.4e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.08	4613	1.0
y_mean[1772]	0.76	4.6e-4	0.03	0.7	0.74	0.76	0.78	0.82	4714	1.0
y_mean[1773]	-0.46	3.0e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.42	4647	1.0
y_mean[1774]	1.42	5.7e-4	0.04	1.34	1.39	1.42	1.44	1.5	4935	1.0
y_mean[1775]	0.26	5.6e-4	0.04	0.18	0.23	0.26	0.29	0.34	5024	1.0
y_mean[1776]	-0.43	3.6e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	4381	1.0
y_mean[1777]	0.06	6.0e-4	0.04	-0.02	0.03	0.06	0.08	0.13	3824	1.0
y_mean[1778]	0.41	5.8e-4	0.04	0.33	0.38	0.41	0.43	0.48	3908	1.0
y_mean[1779]	-0.96	5.2e-4	0.04	-1.02	-0.98	-0.96	-0.93	-0.89	4519	1.0
y_mean[1780]	0.92	7.2e-4	0.05	0.83	0.89	0.93	0.96	1.01	4026	1.0

y_mean[1781]	-0.16	4.5e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	4699	1.0
y_mean[1782]	0.11	3.2e-4	0.02	0.07	0.09	0.11	0.12	0.15	4548	1.0
y_mean[1783]	-0.73	5.6e-4	0.04	-0.8	-0.75	-0.73	-0.7	-0.65	4519	1.0
y_mean[1784]	0.87	5.4e-4	0.04	0.8	0.85	0.87	0.89	0.94	4390	1.0
y_mean[1785]	0.79	5.9e-4	0.04	0.71	0.76	0.79	0.81	0.86	4032	1.0
y_mean[1786]	1.25	6.2e-4	0.04	1.17	1.22	1.25	1.28	1.33	4604	1.0
y_mean[1787]	1.25	6.3e-4	0.04	1.16	1.22	1.25	1.27	1.33	4872	1.0
y_mean[1788]	-0.5	4.2e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.44	4384	1.0
y_mean[1789]	0.36	4.7e-4	0.03	0.3	0.34	0.37	0.39	0.43	4950	1.0
y_mean[1790]	0.66	5.5e-4	0.03	0.59	0.64	0.66	0.68	0.72	3964	1.0
y_mean[1791]	0.77	5.8e-4	0.04	0.69	0.74	0.77	0.79	0.84	4330	1.0
y_mean[1792]	-0.32	3.8e-4	0.03	-0.37	-0.34	-0.32	-0.31	-0.27	4534	1.0
y_mean[1793]	-0.6	3.3e-4	0.02	-0.64	-0.62	-0.6	-0.59	-0.56	4505	1.0
y_mean[1794]	0.87	5.3e-4	0.04	0.8	0.85	0.87	0.89	0.94	4489	1.0
y_mean[1795]	0.24	3.8e-4	0.02	0.19	0.22	0.24	0.25	0.29	4229	1.0
y_mean[1796]	0.69	4.6e-4	0.03	0.63	0.67	0.69	0.71	0.75	4518	1.0
y_mean[1797]	-0.52	3.6e-4	0.02	-0.57	-0.53	-0.52	-0.5	-0.47	4655	1.0
y_mean[1798]	2.46	1.0e-3	0.07	2.32	2.41	2.46	2.51	2.59	4626	1.0
y_mean[1799]	-0.93	4.8e-4	0.03	-1.0	-0.96	-0.93	-0.91	-0.87	4669	1.0
y_mean[1800]	-0.03	4.3e-4	0.03	-0.08	-0.04	-0.03	-5.9e-3	0.03	4480	1.0
ypred[1]	-1.07	0.01	0.69	-2.4	-1.53	-1.07	-0.62	0.26	4202	1.0
ypred[2]	0.82	0.01	0.69	-0.56	0.37	0.81	1.3	2.17	4287	1.0
ypred[3]	0.3	0.01	0.68	-1.04	-0.16	0.31	0.76	1.66	3972	1.0
ypred[4]	-0.7	0.01	0.68	-2.05	-1.15	-0.7	-0.25	0.64	4373	1.0
ypred[5]	-0.65	0.01	0.68	-2.03	-1.11	-0.65	-0.2	0.69	3815	1.0
ypred[6]	-0.08	0.01	0.68	-1.41	-0.55	-0.09	0.38	1.27	3787	1.0
ypred[7]	0.19	0.01	0.68	-1.15	-0.27	0.2	0.66	1.53	3939	1.0
ypred[8]	1.05	0.01	0.68	-0.24	0.58	1.05	1.51	2.37	4044	1.0
ypred[9]	0.53	0.01	0.7	-0.82	0.06	0.53	1.03	1.89	3761	1.0
ypred[10]	-0.56	0.01	0.7	-1.9	-1.05	-0.56	-0.07	0.82	4033	1.0
ypred[11]	-1.0	0.01	0.7	-2.38	-1.48	-1.01	-0.53	0.38	3462	1.0
ypred[12]	-0.08	0.01	0.69	-1.42	-0.54	-0.08	0.39	1.25	4196	1.0
ypred[13]	1.51	0.01	0.69	0.14	1.06	1.52	1.98	2.85	3892	1.0
ypred[14]	-0.38	0.01	0.69	-1.77	-0.84	-0.38	0.07	0.97	3982	1.0
ypred[15]	-0.63	0.01	0.69	-2.04	-1.09	-0.62	-0.16	0.73	3988	1.0
ypred[16]	-0.53	0.01	0.68	-1.86	-0.98	-0.53	-0.08	0.82	3749	1.0
ypred[17]	-0.91	0.01	0.68	-2.25	-1.37	-0.92	-0.45	0.42	3782	1.0
ypred[18]	0.39	0.01	0.69	-0.95	-0.06	0.38	0.84	1.76	3782	1.0
ypred[19]	-0.75	0.01	0.69	-2.15	-1.21	-0.76	-0.28	0.6	3838	1.0
ypred[20]	0.23	0.01	0.68	-1.1	-0.22	0.23	0.69	1.58	4189	1.0
ypred[21]	0.61	0.01	0.7	-0.78	0.13	0.61	1.09	1.99	3898	1.0
ypred[22]	-0.61	0.01	0.7	-1.99	-1.08	-0.6	-0.14	0.77	4050	1.0
ypred[23]	-0.7	0.01	0.67	-2.01	-1.15	-0.69	-0.24	0.6	3909	1.0
ypred[24]	0.32	0.01	0.68	-0.98	-0.14	0.33	0.79	1.68	3992	1.0
ypred[25]	0.96	0.01	0.68	-0.41	0.49	0.95	1.43	2.24	4138	1.0
ypred[26]	0.05	0.01	0.69	-1.27	-0.4	0.05	0.5	1.43	3888	1.0
ypred[27]	-0.99	0.01	0.68	-2.34	-1.43	-1.0	-0.56	0.36	4324	1.0
ypred[28]	-0.34	0.01	0.71	-1.73	-0.8	-0.35	0.14	1.02	4167	1.0

ypred[29]	-0.63	0.01	0.67	-1.97	-1.08	-0.62	-0.17	0.69	3912	1.0
ypred[30]	-0.99	0.01	0.68	-2.27	-1.44	-1.0	-0.54	0.37	3836	1.0
ypred[31]	-0.32	0.01	0.7	-1.71	-0.79	-0.32	0.14	1.06	4132	1.0
ypred[32]	-0.25	0.01	0.68	-1.57	-0.71	-0.25	0.21	1.07	3976	1.0
ypred[33]	-0.27	0.01	0.69	-1.64	-0.73	-0.27	0.19	1.12	4052	1.0
ypred[34]	-0.17	0.01	0.7	-1.5	-0.65	-0.16	0.3	1.19	3845	1.0
ypred[35]	-0.56	0.01	0.69	-1.94	-1.04	-0.55	-0.1	0.77	3976	1.0
ypred[36]	0.5	0.01	0.69	-0.83	0.03	0.51	0.97	1.87	4079	1.0
ypred[37]	0.21	0.01	0.68	-1.18	-0.23	0.21	0.67	1.54	3814	1.0
ypred[38]	-0.2	0.01	0.69	-1.56	-0.67	-0.2	0.28	1.13	3964	1.0
ypred[39]	-0.53	0.01	0.69	-1.9	-0.99	-0.53	-0.07	0.8	4062	1.0
ypred[40]	0.04	0.01	0.69	-1.34	-0.44	0.03	0.51	1.39	3588	1.0
ypred[41]	-0.55	0.01	0.67	-1.83	-1.0	-0.55	-0.1	0.79	3959	1.0
ypred[42]	2.54	0.01	0.68	1.2	2.08	2.54	2.99	3.87	3574	1.0
ypred[43]	-0.21	0.01	0.67	-1.51	-0.66	-0.21	0.24	1.11	4171	1.0
ypred[44]	0.14	0.01	0.69	-1.22	-0.3	0.14	0.6	1.5	4102	1.0
ypred[45]	1.4	0.01	0.7	0.02	0.94	1.4	1.87	2.76	3963	1.0
ypred[46]	-0.27	0.01	0.69	-1.65	-0.73	-0.26	0.19	1.09	3807	1.0
ypred[47]	0.04	0.01	0.7	-1.31	-0.42	0.04	0.52	1.42	3719	1.0
ypred[48]	0.65	0.01	0.69	-0.72	0.18	0.64	1.11	2.02	3903	1.0
ypred[49]	0.59	0.01	0.68	-0.79	0.14	0.6	1.04	1.92	4031	1.0
ypred[50]	0.13	0.01	0.68	-1.16	-0.34	0.14	0.58	1.53	3822	1.0
ypred[51]	-0.64	0.01	0.68	-2.01	-1.09	-0.64	-0.18	0.71	4054	1.0
ypred[52]	-0.37	0.01	0.68	-1.7	-0.82	-0.37	0.08	0.97	4147	1.0
ypred[53]	-0.56	0.01	0.69	-1.93	-1.04	-0.55	-0.08	0.8	4130	1.0
ypred[54]	0.63	0.01	0.69	-0.69	0.18	0.62	1.1	1.99	3970	1.0
ypred[55]	-0.65	0.01	0.68	-2.01	-1.11	-0.65	-0.18	0.7	4081	1.0
ypred[56]	-0.24	0.01	0.68	-1.57	-0.71	-0.25	0.21	1.13	3927	1.0
ypred[57]	-0.31	0.01	0.69	-1.62	-0.77	-0.31	0.16	1.0	4120	1.0
ypred[58]	-0.65	0.01	0.69	-2.0	-1.11	-0.64	-0.18	0.67	3937	1.0
ypred[59]	0.3	0.01	0.68	-1.03	-0.17	0.31	0.77	1.6	3925	1.0
ypred[60]	-0.73	0.01	0.68	-2.05	-1.19	-0.73	-0.27	0.6	4252	1.0
ypred[61]	0.46	0.01	0.69	-0.88	-5.5e-3	0.45	0.92	1.85	3978	1.0
ypred[62]	1.48	0.01	0.69	0.17	1.01	1.49	1.95	2.81	3768	1.0
ypred[63]	0.12	0.01	0.7	-1.22	-0.36	0.12	0.59	1.51	4059	1.0
ypred[64]	-0.64	0.01	0.68	-1.99	-1.09	-0.65	-0.19	0.69	4125	1.0
ypred[65]	-0.29	0.01	0.69	-1.64	-0.75	-0.29	0.19	1.02	3845	1.0
ypred[66]	0.77	0.01	0.67	-0.55	0.3	0.77	1.22	2.08	4133	1.0
ypred[67]	-0.33	0.01	0.68	-1.67	-0.79	-0.34	0.14	1.05	3865	1.0
ypred[68]	1.65	0.01	0.69	0.31	1.18	1.66	2.11	2.97	3919	1.0
ypred[69]	-0.02	0.01	0.69	-1.39	-0.48	-6.9e-3	0.45	1.32	4304	1.0
ypred[70]	-0.17	0.01	0.68	-1.48	-0.65	-0.19	0.27	1.23	3823	1.0
ypred[71]	-1.0	0.01	0.69	-2.32	-1.47	-1.0	-0.54	0.33	3924	1.0
ypred[72]	-0.4	0.01	0.69	-1.76	-0.87	-0.38	0.07	0.95	3832	1.0
ypred[73]	0.13	0.01	0.68	-1.21	-0.33	0.14	0.59	1.46	3978	1.0
ypred[74]	2.05	0.01	0.69	0.71	1.58	2.04	2.52	3.36	3888	1.0
ypred[75]	0.48	0.01	0.7	-0.91	3.8e-3	0.48	0.96	1.84	3590	1.0
ypred[76]	-0.02	0.01	0.69	-1.38	-0.49	-3.8e-3	0.46	1.33	3982	1.0

ypred[77]	-0.13	0.01	0.69	-1.51	-0.6	-0.12	0.34	1.19	3943	1.0
ypred[78]	1.03	0.01	0.69	-0.3	0.56	1.02	1.49	2.39	4384	1.0
ypred[79]	-1.05	0.01	0.69	-2.36	-1.52	-1.07	-0.59	0.35	3948	1.0
ypred[80]	-0.47	0.01	0.69	-1.8	-0.93	-0.47	-0.02	0.9	3534	1.0
ypred[81]	-0.25	0.01	0.69	-1.58	-0.73	-0.24	0.22	1.09	4030	1.0
ypred[82]	0.27	0.01	0.67	-1.05	-0.19	0.27	0.72	1.55	3894	1.0
ypred[83]	-0.71	0.01	0.69	-2.09	-1.18	-0.7	-0.24	0.63	3528	1.0
ypred[84]	-0.54	0.01	0.69	-1.87	-1.01	-0.54	-0.07	0.82	3908	1.0
ypred[85]	-0.91	0.01	0.68	-2.26	-1.38	-0.93	-0.46	0.46	3704	1.0
ypred[86]	0.27	0.01	0.69	-1.08	-0.19	0.27	0.75	1.6	3624	1.0
ypred[87]	0.32	0.01	0.69	-1.04	-0.13	0.32	0.79	1.66	3985	1.0
ypred[88]	-0.34	0.01	0.7	-1.67	-0.82	-0.36	0.13	1.04	3959	1.0
ypred[89]	0.68	0.01	0.69	-0.69	0.21	0.68	1.14	2.01	3961	1.0
ypred[90]	0.24	0.01	0.7	-1.11	-0.24	0.22	0.71	1.64	3857	1.0
ypred[91]	-0.72	0.01	0.69	-2.09	-1.17	-0.72	-0.26	0.65	3902	1.0
ypred[92]	-1.04	0.01	0.69	-2.39	-1.51	-1.03	-0.57	0.27	4144	1.0
ypred[93]	0.18	0.01	0.68	-1.17	-0.29	0.18	0.65	1.51	3622	1.0
ypred[94]	-0.51	0.01	0.68	-1.86	-0.97	-0.52	-0.04	0.83	3710	1.0
ypred[95]	-0.56	0.01	0.69	-1.88	-1.02	-0.56	-0.1	0.78	4165	1.0
ypred[96]	-0.67	0.01	0.7	-2.02	-1.15	-0.66	-0.19	0.73	3868	1.0
ypred[97]	-0.26	0.01	0.7	-1.62	-0.72	-0.25	0.21	1.12	3778	1.0
ypred[98]	0.28	0.01	0.68	-1.05	-0.18	0.28	0.73	1.68	4102	1.0
ypred[99]	-0.22	0.01	0.67	-1.53	-0.67	-0.23	0.23	1.09	3983	1.0
ypred[100]	-0.6	0.01	0.7	-1.99	-1.08	-0.6	-0.1	0.76	4061	1.0
ypred[101]	-0.76	0.01	0.69	-2.11	-1.21	-0.77	-0.3	0.61	4143	1.0
ypred[102]	-0.08	0.01	0.68	-1.39	-0.53	-0.08	0.37	1.25	3875	1.0
ypred[103]	-0.09	0.01	0.7	-1.47	-0.57	-0.1	0.38	1.27	3988	1.0
ypred[104]	0.33	0.01	0.69	-1.03	-0.14	0.34	0.79	1.66	4096	1.0
ypred[105]	-0.57	0.01	0.69	-1.94	-1.03	-0.57	-0.11	0.79	3979	1.0
ypred[106]	-0.05	0.01	0.69	-1.38	-0.51	-0.06	0.41	1.33	4063	1.0
ypred[107]	-0.14	0.01	0.69	-1.52	-0.6	-0.13	0.34	1.22	4005	1.0
ypred[108]	0.12	0.01	0.69	-1.24	-0.34	0.12	0.57	1.47	3601	1.0
ypred[109]	0.11	0.01	0.69	-1.19	-0.35	0.1	0.58	1.47	3897	1.0
ypred[110]	-0.34	0.01	0.69	-1.67	-0.8	-0.33	0.12	1.05	3776	1.0
ypred[111]	2.57	0.01	0.7	1.21	2.09	2.57	3.04	3.95	4367	1.0
ypred[112]	1.28	0.01	0.7	-0.13	0.81	1.28	1.76	2.64	3959	1.0
ypred[113]	-0.57	0.01	0.68	-1.91	-1.03	-0.57	-0.12	0.77	3957	1.0
ypred[114]	0.27	0.01	0.68	-1.06	-0.19	0.28	0.73	1.62	3924	1.0
ypred[115]	1.41	0.01	0.68	0.08	0.95	1.41	1.87	2.78	4011	1.0
ypred[116]	-1.16	0.01	0.68	-2.52	-1.6	-1.16	-0.71	0.18	3972	1.0
ypred[117]	-1.34	0.01	0.69	-2.69	-1.82	-1.34	-0.88	0.02	3884	1.0
ypred[118]	0.01	0.01	0.69	-1.37	-0.45	0.02	0.49	1.37	3846	1.0
ypred[119]	-1.15	0.01	0.68	-2.47	-1.63	-1.15	-0.68	0.18	3750	1.0
ypred[120]	0.42	0.01	0.7	-0.92	-0.05	0.42	0.9	1.76	3994	1.0
ypred[121]	-0.65	0.01	0.69	-1.97	-1.11	-0.65	-0.18	0.72	3904	1.0
ypred[122]	0.69	0.01	0.67	-0.63	0.22	0.7	1.15	2.01	3785	1.0
ypred[123]	0.3	0.01	0.68	-1.05	-0.16	0.3	0.75	1.66	3946	1.0
ypred[124]	-0.66	0.01	0.68	-2.0	-1.11	-0.66	-0.21	0.71	3826	1.0

ypred[125]	0.31	0.01	0.68	-1.05	-0.15	0.31	0.76	1.67	4073	1.0
ypred[126]	0.53	0.01	0.68	-0.83	0.07	0.53	0.99	1.84	4139	1.0
ypred[127]	1.21	0.01	0.69	-0.14	0.75	1.2	1.69	2.57	3900	1.0
ypred[128]	1.12	0.01	0.69	-0.2	0.66	1.11	1.58	2.48	3849	1.0
ypred[129]	-0.57	0.01	0.69	-1.9	-1.04	-0.57	-0.11	0.78	4024	1.0
ypred[130]	-0.23	0.01	0.69	-1.58	-0.68	-0.23	0.23	1.11	3996	1.0
ypred[131]	-0.49	0.01	0.68	-1.8	-0.94	-0.48	-0.03	0.86	3809	1.0
ypred[132]	0.31	0.01	0.68	-1.0	-0.14	0.31	0.78	1.64	3934	1.0
ypred[133]	0.5	0.01	0.7	-0.86	0.04	0.5	0.97	1.86	4001	1.0
ypred[134]	0.34	0.01	0.69	-1.01	-0.13	0.34	0.81	1.67	3753	1.0
ypred[135]	-0.28	0.01	0.69	-1.66	-0.74	-0.29	0.18	1.06	4017	1.0
ypred[136]	0.83	0.01	0.69	-0.53	0.36	0.83	1.3	2.18	3902	1.0
ypred[137]	-0.67	0.01	0.69	-1.97	-1.13	-0.68	-0.22	0.73	3532	1.0
ypred[138]	-0.09	0.01	0.68	-1.43	-0.56	-0.09	0.38	1.23	3810	1.0
ypred[139]	-0.05	0.01	0.7	-1.47	-0.52	-0.04	0.43	1.29	3597	1.0
ypred[140]	-0.33	0.01	0.68	-1.69	-0.77	-0.34	0.12	0.99	3367	1.0
ypred[141]	0.55	0.01	0.69	-0.77	0.07	0.55	1.02	1.92	4035	1.0
ypred[142]	1.24	0.01	0.69	-0.12	0.76	1.24	1.71	2.58	3873	1.0
ypred[143]	2.08	0.01	0.7	0.73	1.59	2.06	2.57	3.47	3989	1.0
ypred[144]	0.52	0.01	0.68	-0.81	0.07	0.51	0.96	1.89	3800	1.0
ypred[145]	1.5e-3	0.01	0.69	-1.33	-0.46	-0.03	0.46	1.37	3946	1.0
ypred[146]	-0.71	0.01	0.68	-2.05	-1.18	-0.71	-0.27	0.65	4083	1.0
ypred[147]	-0.23	0.01	0.68	-1.54	-0.7	-0.23	0.25	1.1	3754	1.0
ypred[148]	-0.41	0.01	0.68	-1.72	-0.86	-0.41	0.05	0.92	3929	1.0
ypred[149]	-0.34	0.01	0.69	-1.71	-0.81	-0.35	0.13	1.04	3876	1.0
ypred[150]	-1.15	0.01	0.69	-2.47	-1.62	-1.14	-0.68	0.2	3950	1.0
ypred[151]	-0.84	0.01	0.69	-2.21	-1.31	-0.85	-0.37	0.56	4193	1.0
ypred[152]	7.3e-3	0.01	0.69	-1.38	-0.45	7.8e-3	0.48	1.32	3999	1.0
ypred[153]	-1.14	0.01	0.69	-2.48	-1.6	-1.13	-0.67	0.21	4189	1.0
ypred[154]	-0.52	0.01	0.7	-1.85	-1.0	-0.51	-0.06	0.88	4070	1.0
ypred[155]	0.27	0.01	0.7	-1.06	-0.21	0.27	0.75	1.64	4034	1.0
ypred[156]	1.38	0.01	0.69	0.04	0.92	1.38	1.84	2.77	3734	1.0
ypred[157]	-0.31	0.01	0.69	-1.62	-0.78	-0.31	0.17	1.03	3963	1.0
ypred[158]	-0.05	0.01	0.7	-1.43	-0.5	-0.05	0.42	1.28	3897	1.0
ypred[159]	0.08	0.01	0.68	-1.23	-0.39	0.08	0.52	1.46	4101	1.0
ypred[160]	-0.67	0.01	0.7	-2.04	-1.14	-0.66	-0.22	0.7	3693	1.0
ypred[161]	-0.3	0.01	0.68	-1.63	-0.77	-0.3	0.17	1.02	3691	1.0
ypred[162]	0.79	0.01	0.68	-0.54	0.34	0.78	1.24	2.1	4006	1.0
ypred[163]	0.28	0.01	0.69	-1.03	-0.2	0.28	0.74	1.65	3957	1.0
ypred[164]	-0.54	0.01	0.69	-1.88	-1.0	-0.54	-0.08	0.83	4148	1.0
ypred[165]	-0.43	0.01	0.69	-1.78	-0.9	-0.45	0.02	0.94	3696	1.0
ypred[166]	0.45	0.01	0.68	-0.91	-0.01	0.46	0.92	1.8	4020	1.0
ypred[167]	-0.82	0.01	0.69	-2.18	-1.29	-0.82	-0.36	0.52	3963	1.0
ypred[168]	-0.74	0.01	0.69	-2.12	-1.21	-0.74	-0.29	0.6	3856	1.0
ypred[169]	0.95	0.01	0.7	-0.43	0.47	0.96	1.44	2.3	3946	1.0
ypred[170]	-0.18	0.01	0.68	-1.56	-0.64	-0.18	0.28	1.18	4184	1.0
ypred[171]	-0.48	0.01	0.69	-1.82	-0.95	-0.48	-0.03	0.86	4145	1.0
ypred[172]	-0.55	0.01	0.69	-1.91	-1.0	-0.55	-0.1	0.8	3941	1.0

ypred[173]	-1.19	0.01	0.68	-2.5	-1.65	-1.2	-0.72	0.12	3665	1.0
ypred[174]	-1.09	0.01	0.71	-2.47	-1.57	-1.09	-0.6	0.31	4048	1.0
ypred[175]	0.74	0.01	0.69	-0.58	0.29	0.73	1.2	2.13	4119	1.0
ypred[176]	-0.35	0.01	0.69	-1.69	-0.82	-0.36	0.11	1.01	3978	1.0
ypred[177]	-0.01	0.01	0.69	-1.34	-0.49	-7.0e-3	0.45	1.31	4004	1.0
ypred[178]	-0.89	0.01	0.7	-2.25	-1.37	-0.9	-0.4	0.49	3796	1.0
ypred[179]	0.05	0.01	0.68	-1.28	-0.42	0.05	0.51	1.38	4059	1.0
ypred[180]	-0.16	0.01	0.7	-1.57	-0.63	-0.15	0.3	1.18	4210	1.0
ypred[181]	-0.39	0.01	0.69	-1.75	-0.85	-0.38	0.08	0.96	3604	1.0
ypred[182]	-0.91	0.01	0.69	-2.25	-1.37	-0.91	-0.43	0.46	3965	1.0
ypred[183]	-0.38	0.01	0.69	-1.75	-0.83	-0.39	0.06	0.99	3764	1.0
ypred[184]	-0.31	0.01	0.68	-1.63	-0.77	-0.31	0.14	1.04	4175	1.0
ypred[185]	-0.45	0.01	0.68	-1.83	-0.9	-0.45	0.03	0.87	3210	1.0
ypred[186]	-0.22	0.01	0.69	-1.57	-0.7	-0.21	0.25	1.11	4164	1.0
ypred[187]	2.62	0.01	0.68	1.27	2.16	2.62	3.09	3.95	4033	1.0
ypred[188]	-0.05	0.01	0.69	-1.38	-0.52	-0.04	0.42	1.3	4000	1.0
ypred[189]	0.05	0.01	0.69	-1.29	-0.42	0.04	0.52	1.45	4112	1.0
ypred[190]	-0.57	0.01	0.69	-1.9	-1.05	-0.58	-0.12	0.79	3945	1.0
ypred[191]	0.95	0.01	0.7	-0.42	0.49	0.93	1.42	2.33	3771	1.0
ypred[192]	-0.19	0.01	0.69	-1.52	-0.66	-0.19	0.27	1.18	3790	1.0
ypred[193]	-0.2	0.01	0.69	-1.58	-0.66	-0.18	0.27	1.12	4083	1.0
ypred[194]	-0.31	0.01	0.69	-1.66	-0.78	-0.32	0.17	1.01	3852	1.0
ypred[195]	0.21	0.01	0.68	-1.17	-0.23	0.2	0.67	1.57	4132	1.0
ypred[196]	-1.19	0.01	0.68	-2.55	-1.65	-1.2	-0.73	0.14	3896	1.0
ypred[197]	-0.51	0.01	0.7	-1.87	-0.99	-0.52	-0.03	0.85	4016	1.0
ypred[198]	-0.44	0.01	0.68	-1.78	-0.89	-0.44	0.03	0.89	3926	1.0
ypred[199]	-0.32	0.01	0.68	-1.69	-0.77	-0.31	0.13	1.01	4060	1.0
ypred[200]	1.11	0.01	0.68	-0.24	0.65	1.13	1.57	2.45	4088	1.0
y_predicted[1]	-1.08	4.7e-4	0.03	-1.14	-1.1	-1.08	-1.05	-1.01	4534	1.0
y_predicted[2]	0.81	8.3e-4	0.05	0.71	0.78	0.81	0.85	0.91	3596	1.0
y_predicted[3]	0.31	4.3e-4	0.03	0.25	0.29	0.31	0.33	0.36	4370	1.0
y_predicted[4]	-0.7	4.0e-4	0.03	-0.75	-0.71	-0.7	-0.68	-0.64	4488	1.0
y_predicted[5]	-0.64	3.6e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.59	4556	1.0
y_predicted[6]	-0.09	3.4e-4	0.02	-0.14	-0.11	-0.09	-0.07	-0.04	4653	1.0
y_predicted[7]	0.18	5.2e-4	0.03	0.12	0.16	0.18	0.21	0.25	3866	1.0
y_predicted[8]	1.05	7.9e-4	0.05	0.95	1.01	1.05	1.08	1.14	3959	1.0
y_predicted[9]	0.54	5.8e-4	0.04	0.46	0.51	0.54	0.56	0.61	4596	1.0
y_predicted[10]	-0.57	4.3e-4	0.03	-0.62	-0.59	-0.57	-0.55	-0.51	4600	1.0
y_predicted[11]	-1.0	4.6e-4	0.03	-1.06	-1.02	-1.0	-0.97	-0.93	4608	1.0
y_predicted[12]	-0.09	5.4e-4	0.04	-0.16	-0.11	-0.09	-0.06	-0.01	4884	1.0
y_predicted[13]	1.52	9.8e-4	0.07	1.38	1.47	1.52	1.56	1.65	4742	1.0
y_predicted[14]	-0.4	3.3e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	4638	1.0
y_predicted[15]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.6	-0.57	4505	1.0
y_predicted[16]	-0.53	3.2e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.48	4526	1.0
y_predicted[17]	-0.91	4.7e-4	0.03	-0.97	-0.93	-0.91	-0.89	-0.85	4599	1.0
y_predicted[18]	0.39	4.6e-4	0.03	0.33	0.37	0.39	0.41	0.46	4913	1.0
y_predicted[19]	-0.75	4.4e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.69	4467	1.0
y_predicted[20]	0.25	7.6e-4	0.05	0.14	0.21	0.25	0.28	0.35	4973	1.0

y_predicted[21]	0.61	5.8e-4	0.04	0.53	0.58	0.61	0.64	0.68	4482	1.0
y_predicted[22]	-0.58	5.3e-4	0.04	-0.65	-0.6	-0.58	-0.56	-0.51	4515	1.0
y_predicted[23]	-0.68	4.2e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.63	4466	1.0
y_predicted[24]	0.32	4.6e-4	0.03	0.27	0.31	0.33	0.34	0.38	4182	1.0
y_predicted[25]	0.94	8.9e-4	0.05	0.83	0.9	0.94	0.98	1.04	3634	1.0
y_predicted[26]	0.07	3.1e-4	0.02	0.03	0.05	0.07	0.08	0.11	4574	1.0
y_predicted[27]	-1.0	4.5e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.94	4573	1.0
y_predicted[28]	-0.32	5.2e-4	0.04	-0.39	-0.35	-0.32	-0.3	-0.25	4773	1.0
y_predicted[29]	-0.63	3.5e-4	0.02	-0.67	-0.64	-0.63	-0.61	-0.58	4504	1.0
y_predicted[30]	-1.0	7.0e-4	0.05	-1.09	-1.03	-1.0	-0.96	-0.9	4903	1.0
y_predicted[31]	-0.33	5.0e-4	0.03	-0.39	-0.35	-0.33	-0.31	-0.27	4045	1.0
y_predicted[32]	-0.24	5.6e-4	0.04	-0.31	-0.26	-0.24	-0.21	-0.16	4481	1.0
y_predicted[33]	-0.26	5.1e-4	0.03	-0.32	-0.29	-0.26	-0.24	-0.2	3939	1.0
y_predicted[34]	-0.18	3.4e-4	0.03	-0.23	-0.19	-0.18	-0.16	-0.13	5346	1.0
y_predicted[35]	-0.57	3.3e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.52	4517	1.0
y_predicted[36]	0.51	6.2e-4	0.04	0.43	0.48	0.51	0.54	0.59	4429	1.0
y_predicted[37]	0.21	4.0e-4	0.03	0.16	0.19	0.21	0.23	0.26	4475	1.0
y_predicted[38]	-0.21	4.7e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.14	4490	1.0
y_predicted[39]	-0.54	3.2e-4	0.02	-0.58	-0.55	-0.54	-0.53	-0.5	4520	1.0
y_predicted[40]	0.03	6.8e-4	0.04	-0.05	2.7e-3	0.03	0.06	0.11	3709	1.0
y_predicted[41]	-0.55	3.4e-4	0.02	-0.6	-0.57	-0.55	-0.54	-0.51	4565	1.0
y_predicted[42]	2.52	1.2e-3	0.08	2.37	2.47	2.52	2.57	2.67	3828	1.0
y_predicted[43]	-0.22	4.5e-4	0.03	-0.28	-0.24	-0.22	-0.2	-0.17	4252	1.0
y_predicted[44]	0.13	4.3e-4	0.03	0.08	0.12	0.13	0.15	0.19	4287	1.0
y_predicted[45]	1.4	7.6e-4	0.05	1.3	1.37	1.4	1.43	1.5	4189	1.0
y_predicted[46]	-0.26	4.2e-4	0.03	-0.31	-0.28	-0.26	-0.24	-0.2	4306	1.0
y_predicted[47]	0.06	3.1e-4	0.02	0.02	0.05	0.06	0.07	0.1	4672	1.0
y_predicted[48]	0.68	4.5e-4	0.03	0.62	0.66	0.68	0.7	0.73	4538	1.0
y_predicted[49]	0.58	4.2e-4	0.03	0.52	0.56	0.58	0.6	0.64	4668	1.0
y_predicted[50]	0.13	4.2e-4	0.03	0.08	0.11	0.13	0.15	0.19	4291	1.0
y_predicted[51]	-0.64	3.9e-4	0.03	-0.69	-0.66	-0.64	-0.62	-0.59	4581	1.0
y_predicted[52]	-0.37	3.6e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	4689	1.0
y_predicted[53]	-0.57	3.3e-4	0.02	-0.61	-0.59	-0.57	-0.56	-0.53	4512	1.0
y_predicted[54]	0.65	5.4e-4	0.04	0.58	0.63	0.65	0.68	0.72	4441	1.0
y_predicted[55]	-0.66	4.3e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	4478	1.0
y_predicted[56]	-0.24	5.1e-4	0.03	-0.31	-0.26	-0.24	-0.22	-0.18	4094	1.0
y_predicted[57]	-0.31	5.1e-4	0.03	-0.38	-0.33	-0.31	-0.29	-0.24	4627	1.0
y_predicted[58]	-0.66	4.3e-4	0.03	-0.72	-0.68	-0.66	-0.64	-0.6	4477	1.0
y_predicted[59]	0.32	4.4e-4	0.03	0.26	0.3	0.32	0.34	0.37	4550	1.0
y_predicted[60]	-0.72	3.9e-4	0.03	-0.77	-0.73	-0.72	-0.7	-0.66	4616	1.0
y_predicted[61]	0.46	6.9e-4	0.05	0.38	0.43	0.46	0.49	0.55	4311	1.0
y_predicted[62]	1.5	8.9e-4	0.05	1.39	1.47	1.5	1.54	1.61	3708	1.0
y_predicted[63]	0.12	3.8e-4	0.03	0.07	0.1	0.12	0.14	0.17	4326	1.0
y_predicted[64]	-0.64	3.5e-4	0.02	-0.68	-0.66	-0.64	-0.62	-0.59	4512	1.0
y_predicted[65]	-0.29	4.5e-4	0.03	-0.35	-0.31	-0.29	-0.27	-0.24	3925	1.0
y_predicted[66]	0.77	6.3e-4	0.04	0.69	0.74	0.77	0.79	0.85	3931	1.0
y_predicted[67]	-0.31	3.9e-4	0.03	-0.36	-0.33	-0.31	-0.3	-0.26	4269	1.0
y_predicted[68]	1.63	8.7e-4	0.06	1.52	1.6	1.63	1.67	1.74	4140	1.0

y_predicted[69]	-0.03	3.1e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.01	4629	1.0
y_predicted[70]	-0.16	4.3e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.1	5101	1.0
y_predicted[71]	-1.01	4.5e-4	0.03	-1.07	-1.03	-1.01	-0.99	-0.95	4584	1.0
y_predicted[72]	-0.4	4.0e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.35	4902	1.0
y_predicted[73]	0.13	3.3e-4	0.02	0.09	0.12	0.13	0.15	0.17	4464	1.0
y_predicted[74]	2.06	1.2e-3	0.08	1.9	2.01	2.06	2.11	2.21	4422	1.0
y_predicted[75]	0.48	9.8e-4	0.06	0.37	0.44	0.48	0.52	0.61	3869	1.0
y_predicted[76]	-0.03	3.1e-4	0.02	-0.07	-0.04	-0.03	-0.01	0.01	4641	1.0
y_predicted[77]	-0.13	4.7e-4	0.03	-0.18	-0.15	-0.13	-0.11	-0.07	3966	1.0
y_predicted[78]	1.04	7.9e-4	0.05	0.94	1.01	1.04	1.08	1.14	3959	1.0
y_predicted[79]	-1.06	4.6e-4	0.03	-1.13	-1.08	-1.06	-1.04	-1.0	4544	1.0
y_predicted[80]	-0.48	3.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	4578	1.0
y_predicted[81]	-0.24	5.1e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.17	4542	1.0
y_predicted[82]	0.27	4.3e-4	0.03	0.22	0.26	0.27	0.29	0.33	4118	1.0
y_predicted[83]	-0.7	4.1e-4	0.03	-0.76	-0.72	-0.7	-0.68	-0.65	4656	1.0
y_predicted[84]	-0.54	3.3e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.5	4561	1.0
y_predicted[85]	-0.91	6.0e-4	0.04	-0.98	-0.93	-0.91	-0.88	-0.83	4180	1.0
y_predicted[86]	0.28	9.3e-4	0.06	0.16	0.24	0.28	0.32	0.4	4193	1.0
y_predicted[87]	0.31	4.4e-4	0.03	0.25	0.29	0.31	0.33	0.37	4518	1.0
y_predicted[88]	-0.35	5.5e-4	0.04	-0.42	-0.37	-0.35	-0.32	-0.27	4597	1.0
y_predicted[89]	0.66	5.5e-4	0.04	0.59	0.64	0.67	0.69	0.74	4420	1.0
y_predicted[90]	0.23	8.9e-4	0.06	0.12	0.2	0.24	0.27	0.35	4116	1.0
y_predicted[91]	-0.71	5.4e-4	0.04	-0.77	-0.73	-0.71	-0.68	-0.63	4444	1.0
y_predicted[92]	-1.04	4.4e-4	0.03	-1.1	-1.06	-1.04	-1.02	-0.98	4542	1.0
y_predicted[93]	0.18	3.8e-4	0.03	0.13	0.16	0.18	0.2	0.23	4936	1.0
y_predicted[94]	-0.5	3.2e-4	0.02	-0.55	-0.52	-0.5	-0.49	-0.46	4493	1.0
y_predicted[95]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4520	1.0
y_predicted[96]	-0.68	4.2e-4	0.03	-0.74	-0.7	-0.68	-0.67	-0.63	4650	1.0
y_predicted[97]	-0.26	5.4e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.19	3861	1.0
y_predicted[98]	0.29	4.8e-4	0.03	0.23	0.27	0.29	0.31	0.35	3936	1.0
y_predicted[99]	-0.22	2.9e-4	0.02	-0.26	-0.23	-0.22	-0.21	-0.18	5083	1.0
y_predicted[100]	-0.61	3.3e-4	0.02	-0.65	-0.62	-0.61	-0.59	-0.56	4504	1.0
y_predicted[101]	-0.75	4.3e-4	0.03	-0.8	-0.77	-0.75	-0.73	-0.69	4489	1.0
y_predicted[102]	-0.07	4.4e-4	0.03	-0.13	-0.09	-0.07	-0.05	-0.01	4583	1.0
y_predicted[103]	-0.1	5.9e-4	0.04	-0.17	-0.13	-0.1	-0.08	-0.03	3712	1.0
y_predicted[104]	0.34	5.1e-4	0.03	0.27	0.32	0.34	0.36	0.4	3904	1.0
y_predicted[105]	-0.57	4.2e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.52	4585	1.0
y_predicted[106]	-0.05	4.7e-4	0.03	-0.11	-0.07	-0.05	-0.03	0.01	4370	1.0
y_predicted[107]	-0.15	3.5e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	4752	1.0
y_predicted[108]	0.11	3.4e-4	0.02	0.06	0.09	0.11	0.12	0.15	5114	1.0
y_predicted[109]	0.11	3.6e-4	0.02	0.06	0.09	0.11	0.13	0.16	4840	1.0
y_predicted[110]	-0.33	3.8e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.28	4246	1.0
y_predicted[111]	2.57	1.4e-3	0.09	2.38	2.51	2.57	2.64	2.75	4535	1.0
y_predicted[112]	1.28	6.2e-4	0.04	1.2	1.26	1.28	1.31	1.36	4274	1.0
y_predicted[113]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.54	4488	1.0
y_predicted[114]	0.26	9.0e-4	0.06	0.14	0.22	0.26	0.3	0.37	4324	1.0
y_predicted[115]	1.41	6.6e-4	0.05	1.32	1.38	1.41	1.44	1.49	4687	1.0
y_predicted[116]	-1.14	4.9e-4	0.03	-1.21	-1.17	-1.15	-1.12	-1.08	4548	1.0

y_predicted[117]	-1.34	6.7e-4	0.05	-1.43	-1.37	-1.34	-1.31	-1.25	4728	1.0
y_predicted[118]	0.02	3.6e-4	0.02	-0.02	6.0e-3	0.02	0.04	0.07	4461	1.0
y_predicted[119]	-1.15	4.7e-4	0.03	-1.21	-1.17	-1.15	-1.13	-1.09	4445	1.0
y_predicted[120]	0.43	6.3e-4	0.04	0.35	0.4	0.43	0.46	0.51	4095	1.0
y_predicted[121]	-0.66	3.6e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	4520	1.0
y_predicted[122]	0.69	8.0e-4	0.05	0.58	0.65	0.69	0.72	0.79	4666	1.0
y_predicted[123]	0.32	7.5e-4	0.05	0.23	0.29	0.32	0.35	0.41	3908	1.0
y_predicted[124]	-0.67	3.7e-4	0.03	-0.72	-0.69	-0.67	-0.65	-0.62	4583	1.0
y_predicted[125]	0.29	4.6e-4	0.03	0.24	0.27	0.29	0.31	0.35	3917	1.0
y_predicted[126]	0.55	4.1e-4	0.03	0.5	0.53	0.55	0.57	0.61	4740	1.0
y_predicted[127]	1.23	6.3e-4	0.04	1.14	1.2	1.23	1.26	1.31	4588	1.0
y_predicted[128]	1.12	6.6e-4	0.04	1.04	1.09	1.12	1.15	1.2	3817	1.0
y_predicted[129]	-0.59	3.3e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	4494	1.0
y_predicted[130]	-0.24	4.9e-4	0.03	-0.3	-0.26	-0.24	-0.21	-0.17	4798	1.0
y_predicted[131]	-0.47	3.0e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	4751	1.0
y_predicted[132]	0.31	4.7e-4	0.03	0.25	0.29	0.31	0.33	0.37	3907	1.0
y_predicted[133]	0.48	5.0e-4	0.03	0.41	0.45	0.48	0.5	0.54	4746	1.0
y_predicted[134]	0.37	1.0e-3	0.07	0.24	0.32	0.37	0.41	0.5	4094	1.0
y_predicted[135]	-0.27	4.6e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.22	4018	1.0
y_predicted[136]	0.81	4.8e-4	0.03	0.74	0.79	0.81	0.83	0.87	4626	1.0
y_predicted[137]	-0.67	4.4e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.61	4908	1.0
y_predicted[138]	-0.1	5.3e-4	0.03	-0.17	-0.13	-0.1	-0.08	-0.03	4350	1.0
y_predicted[139]	-0.08	3.6e-4	0.02	-0.13	-0.09	-0.08	-0.06	-0.03	4642	1.0
y_predicted[140]	-0.34	5.2e-4	0.04	-0.41	-0.36	-0.34	-0.32	-0.27	4658	1.0
y_predicted[141]	0.56	7.2e-4	0.05	0.47	0.53	0.56	0.59	0.65	3913	1.0
y_predicted[142]	1.22	9.8e-4	0.06	1.1	1.18	1.22	1.26	1.34	3982	1.0
y_predicted[143]	2.09	1.1e-3	0.07	1.95	2.04	2.09	2.13	2.22	3714	1.0
y_predicted[144]	0.5	6.5e-4	0.04	0.42	0.47	0.5	0.52	0.58	3903	1.0
y_predicted[145]	-1.7e-3	3.9e-4	0.03	-0.06	-0.02	-1.5e-3	0.02	0.05	4901	1.0
y_predicted[146]	-0.73	4.4e-4	0.03	-0.79	-0.75	-0.73	-0.71	-0.67	4465	1.0
y_predicted[147]	-0.23	4.6e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.18	3976	1.0
y_predicted[148]	-0.4	4.8e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	4691	1.0
y_predicted[149]	-0.34	3.9e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	4347	1.0
y_predicted[150]	-1.13	4.6e-4	0.03	-1.19	-1.15	-1.13	-1.11	-1.07	4478	1.0
y_predicted[151]	-0.85	5.2e-4	0.04	-0.92	-0.87	-0.85	-0.83	-0.78	4722	1.0
y_predicted[152]	0.01	4.1e-4	0.03	-0.04	-4.1e-3	0.01	0.03	0.07	4461	1.0
y_predicted[153]	-1.13	8.5e-4	0.06	-1.25	-1.17	-1.13	-1.1	-1.02	4438	1.0
y_predicted[154]	-0.53	8.1e-4	0.05	-0.64	-0.57	-0.53	-0.5	-0.43	4470	1.0
y_predicted[155]	0.27	5.7e-4	0.04	0.19	0.24	0.27	0.29	0.35	5072	1.0
y_predicted[156]	1.36	1.0e-3	0.07	1.23	1.32	1.36	1.4	1.49	3891	1.0
y_predicted[157]	-0.33	4.4e-4	0.03	-0.39	-0.35	-0.33	-0.32	-0.28	3908	1.0
y_predicted[158]	-0.05	6.6e-4	0.04	-0.13	-0.08	-0.05	-0.02	0.03	3709	1.0
y_predicted[159]	0.08	4.0e-4	0.03	0.02	0.06	0.08	0.1	0.13	5024	1.0
y_predicted[160]	-0.67	3.6e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.62	4530	1.0
y_predicted[161]	-0.3	5.3e-4	0.04	-0.37	-0.33	-0.3	-0.28	-0.23	4929	1.0
y_predicted[162]	0.8	8.8e-4	0.06	0.68	0.76	0.8	0.83	0.9	3872	1.0
y_predicted[163]	0.27	4.3e-4	0.03	0.22	0.25	0.27	0.29	0.33	4798	1.0
y_predicted[164]	-0.53	3.3e-4	0.02	-0.57	-0.54	-0.53	-0.51	-0.48	4590	1.0

y_predicted[165]	-0.43	2.9e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.39	4702	1.0
y_predicted[166]	0.44	5.9e-4	0.04	0.37	0.42	0.44	0.47	0.51	3717	1.0
y_predicted[167]	-0.81	5.8e-4	0.04	-0.89	-0.83	-0.81	-0.78	-0.73	4828	1.0
y_predicted[168]	-0.74	4.7e-4	0.03	-0.79	-0.76	-0.74	-0.71	-0.67	4441	1.0
y_predicted[169]	0.94	7.9e-4	0.05	0.84	0.91	0.94	0.97	1.04	3795	1.0
y_predicted[170]	-0.18	5.4e-4	0.04	-0.25	-0.21	-0.18	-0.16	-0.11	4464	1.0
y_predicted[171]	-0.48	3.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	4627	1.0
y_predicted[172]	-0.57	7.7e-4	0.05	-0.67	-0.61	-0.57	-0.54	-0.47	4532	1.0
y_predicted[173]	-1.19	7.5e-4	0.05	-1.29	-1.22	-1.19	-1.15	-1.09	4530	1.0
y_predicted[174]	-1.07	4.6e-4	0.03	-1.13	-1.09	-1.07	-1.05	-1.01	4539	1.0
y_predicted[175]	0.72	5.4e-4	0.04	0.65	0.7	0.72	0.74	0.79	4383	1.0
y_predicted[176]	-0.34	3.5e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.3	4298	1.0
y_predicted[177]	-0.02	8.6e-4	0.06	-0.14	-0.06	-0.02	0.01	0.09	4382	1.0
y_predicted[178]	-0.89	4.6e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	4645	1.0
y_predicted[179]	0.07	3.1e-4	0.02	0.03	0.05	0.07	0.08	0.11	4676	1.0
y_predicted[180]	-0.17	4.9e-4	0.03	-0.24	-0.2	-0.18	-0.15	-0.11	4542	1.0
y_predicted[181]	-0.37	3.5e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	4535	1.0
y_predicted[182]	-0.9	4.7e-4	0.03	-0.96	-0.92	-0.9	-0.88	-0.84	4621	1.0
y_predicted[183]	-0.36	3.5e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	4673	1.0
y_predicted[184]	-0.3	5.1e-4	0.03	-0.37	-0.33	-0.3	-0.28	-0.24	4613	1.0
y_predicted[185]	-0.45	3.4e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	4428	1.0
y_predicted[186]	-0.21	4.7e-4	0.03	-0.27	-0.23	-0.22	-0.19	-0.16	3892	1.0
y_predicted[187]	2.64	1.2e-3	0.08	2.48	2.58	2.64	2.69	2.79	4052	1.0
y_predicted[188]	-0.03	5.8e-4	0.04	-0.1	-0.06	-0.03	-8.5e-3	0.04	3825	1.0
y_predicted[189]	0.05	3.2e-4	0.02	0.01	0.04	0.05	0.07	0.1	4681	1.0
y_predicted[190]	-0.58	3.3e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	4520	1.0
y_predicted[191]	0.95	1.3e-3	0.09	0.78	0.89	0.95	1.01	1.12	4763	1.0
y_predicted[192]	-0.19	4.1e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	4810	1.0
y_predicted[193]	-0.2	4.3e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.14	4897	1.0
y_predicted[194]	-0.31	5.1e-4	0.03	-0.38	-0.34	-0.31	-0.29	-0.25	3811	1.0
y_predicted[195]	0.19	4.1e-4	0.03	0.14	0.17	0.19	0.21	0.25	4409	1.0
y_predicted[196]	-1.2	4.8e-4	0.03	-1.26	-1.22	-1.2	-1.18	-1.14	4485	1.0
y_predicted[197]	-0.51	3.2e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.47	4516	1.0
y_predicted[198]	-0.44	3.0e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.4	4648	1.0
y_predicted[199]	-0.33	5.2e-4	0.04	-0.4	-0.36	-0.33	-0.31	-0.26	4930	1.0
y_predicted[200]	1.11	8.2e-4	0.05	1.01	1.08	1.11	1.15	1.21	4161	1.0
loglik_pred[1]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	5159	1.0
loglik_pred[2]	-0.56	2.5e-4	0.02	-0.59	-0.57	-0.56	-0.55	-0.52	5097	1.0
loglik_pred[3]	-0.65	2.9e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.61	4917	1.0
loglik_pred[4]	-0.59	3.0e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	4688	1.0
loglik_pred[5]	-1.0	4.8e-4	0.03	-1.06	-1.02	-1.0	-0.98	-0.94	4512	1.0
loglik_pred[6]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	4940	1.0
loglik_pred[7]	-0.62	3.4e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.57	4518	1.0
loglik_pred[8]	-1.31	7.7e-4	0.05	-1.42	-1.35	-1.31	-1.28	-1.21	4746	1.0
loglik_pred[9]	-1.82	7.6e-4	0.05	-1.93	-1.86	-1.82	-1.79	-1.72	5141	1.0
loglik_pred[10]	-0.71	4.3e-4	0.03	-0.77	-0.73	-0.71	-0.69	-0.66	4793	1.0
loglik_pred[11]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	5076	1.0
loglik_pred[12]	-0.56	2.4e-4	0.02	-0.6	-0.57	-0.56	-0.55	-0.53	5218	1.0

loglik_pred[13]	-0.67	3.0e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.63	4870	1.0
loglik_pred[14]	-0.69	4.1e-4	0.03	-0.74	-0.71	-0.69	-0.67	-0.63	4544	1.0
loglik_pred[15]	-0.61	4.0e-4	0.03	-0.66	-0.62	-0.6	-0.59	-0.56	4612	1.0
loglik_pred[16]	-0.62	3.1e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.58	4751	1.0
loglik_pred[17]	-0.72	6.6e-4	0.04	-0.81	-0.74	-0.71	-0.69	-0.64	4213	1.0
loglik_pred[18]	-1.94	8.1e-4	0.06	-2.06	-1.98	-1.94	-1.9	-1.83	5057	1.0
loglik_pred[19]	-0.56	2.6e-4	0.02	-0.59	-0.57	-0.56	-0.54	-0.52	4832	1.0
loglik_pred[20]	-3.12	1.8e-3	0.13	-3.37	-3.21	-3.12	-3.03	-2.87	5018	1.0
loglik_pred[21]	-0.83	5.2e-4	0.04	-0.9	-0.85	-0.83	-0.8	-0.76	4552	1.0
loglik_pred[22]	-0.9	1.4e-3	0.09	-1.11	-0.96	-0.9	-0.83	-0.73	4799	1.0
loglik_pred[23]	-0.63	2.7e-4	0.02	-0.67	-0.65	-0.63	-0.62	-0.6	5118	1.0
loglik_pred[24]	-6.25	6.7e-3	0.41	-7.08	-6.52	-6.25	-5.97	-5.45	3778	1.0
loglik_pred[25]	-0.63	2.9e-4	0.02	-0.67	-0.65	-0.63	-0.62	-0.59	4791	1.0
loglik_pred[26]	-0.92	6.6e-4	0.04	-1.01	-0.95	-0.92	-0.89	-0.84	4406	1.0
loglik_pred[27]	-0.67	2.8e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.63	5418	1.0
loglik_pred[28]	-0.68	4.3e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.62	4645	1.0
loglik_pred[29]	-0.55	2.7e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	4382	1.0
loglik_pred[30]	-0.7	3.1e-4	0.02	-0.74	-0.71	-0.7	-0.68	-0.65	4751	1.0
loglik_pred[31]	-0.8	4.8e-4	0.03	-0.87	-0.82	-0.8	-0.78	-0.74	4672	1.0
loglik_pred[32]	-0.55	2.8e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.52	4519	1.0
loglik_pred[33]	-0.77	7.7e-4	0.06	-0.88	-0.8	-0.76	-0.73	-0.66	5231	1.0
loglik_pred[34]	-1.48	6.8e-4	0.05	-1.57	-1.51	-1.48	-1.45	-1.39	4744	1.0
loglik_pred[35]	-0.67	4.0e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.62	4853	1.0
loglik_pred[36]	-0.75	3.6e-4	0.02	-0.8	-0.77	-0.75	-0.74	-0.71	4587	1.0
loglik_pred[37]	-0.55	2.3e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	5221	1.0
loglik_pred[38]	-0.88	4.9e-4	0.03	-0.95	-0.9	-0.88	-0.86	-0.82	4653	1.0
loglik_pred[39]	-0.58	2.5e-4	0.02	-0.62	-0.59	-0.58	-0.57	-0.55	5050	1.0
loglik_pred[40]	-0.88	1.0e-3	0.07	-1.03	-0.93	-0.88	-0.83	-0.76	4682	1.0
loglik_pred[41]	-0.81	7.2e-4	0.05	-0.92	-0.85	-0.81	-0.78	-0.72	5071	1.0
loglik_pred[42]	-0.89	4.2e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.84	4399	1.0
loglik_pred[43]	-1.0	9.2e-4	0.06	-1.12	-1.04	-1.0	-0.96	-0.89	4139	1.0
loglik_pred[44]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	5082	1.0
loglik_pred[45]	-0.82	4.5e-4	0.03	-0.88	-0.84	-0.82	-0.8	-0.77	4255	1.0
loglik_pred[46]	-1.97	1.1e-3	0.08	-2.12	-2.02	-1.97	-1.92	-1.82	4677	1.0
loglik_pred[47]	-0.65	3.1e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.61	5302	1.0
loglik_pred[48]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.52	5181	1.0
loglik_pred[49]	-0.99	1.2e-3	0.07	-1.14	-1.04	-0.99	-0.94	-0.86	3738	1.0
loglik_pred[50]	-1.47	8.4e-4	0.06	-1.58	-1.51	-1.47	-1.43	-1.36	4879	1.0
loglik_pred[51]	-0.64	3.3e-4	0.02	-0.69	-0.66	-0.64	-0.63	-0.6	4758	1.0
loglik_pred[52]	-1.07	1.3e-3	0.08	-1.23	-1.12	-1.07	-1.01	-0.92	3998	1.0
loglik_pred[53]	-0.68	6.1e-4	0.04	-0.76	-0.7	-0.68	-0.65	-0.61	3571	1.0
loglik_pred[54]	-1.11	5.8e-4	0.04	-1.19	-1.14	-1.11	-1.09	-1.04	4678	1.0
loglik_pred[55]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	5121	1.0
loglik_pred[56]	-1.28	6.6e-4	0.05	-1.37	-1.31	-1.28	-1.25	-1.19	4726	1.0
loglik_pred[57]	-0.73	5.1e-4	0.03	-0.8	-0.75	-0.73	-0.71	-0.67	4428	1.0
loglik_pred[58]	-0.58	3.1e-4	0.02	-0.62	-0.59	-0.57	-0.56	-0.54	4731	1.0
loglik_pred[59]	-0.89	5.2e-4	0.03	-0.96	-0.92	-0.89	-0.87	-0.83	4307	1.0
loglik_pred[60]	-2.71	1.4e-3	0.09	-2.89	-2.77	-2.71	-2.64	-2.53	4537	1.0

loglik_pred[61]	-1.24	1.0e-3	0.07	-1.37	-1.29	-1.24	-1.2	-1.12	4107	1.0
loglik_pred[62]	-1.79	1.1e-3	0.08	-1.94	-1.84	-1.78	-1.73	-1.64	4636	1.0
loglik_pred[63]	-0.84	8.1e-4	0.05	-0.94	-0.87	-0.83	-0.8	-0.74	4112	1.0
loglik_pred[64]	-0.8	8.7e-4	0.05	-0.91	-0.84	-0.8	-0.77	-0.71	3743	1.0
loglik_pred[65]	-0.65	3.8e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	4699	1.0
loglik_pred[66]	-1.3	1.1e-3	0.08	-1.45	-1.35	-1.3	-1.25	-1.16	4706	1.0
loglik_pred[67]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	5191	1.0
loglik_pred[68]	-1.02	8.5e-4	0.06	-1.15	-1.06	-1.02	-0.98	-0.91	4831	1.0
loglik_pred[69]	-0.95	5.5e-4	0.04	-1.03	-0.98	-0.95	-0.93	-0.88	4655	1.0
loglik_pred[70]	-0.72	4.4e-4	0.03	-0.79	-0.74	-0.72	-0.7	-0.66	5050	1.0
loglik_pred[71]	-0.59	2.8e-4	0.02	-0.63	-0.6	-0.59	-0.58	-0.56	4872	1.0
loglik_pred[72]	-0.64	2.9e-4	0.02	-0.68	-0.66	-0.64	-0.63	-0.6	4856	1.0
loglik_pred[73]	-2.25	1.9e-3	0.12	-2.49	-2.33	-2.25	-2.17	-2.01	4108	1.0
loglik_pred[74]	-6.17	3.4e-3	0.23	-6.63	-6.33	-6.17	-6.01	-5.73	4548	1.0
loglik_pred[75]	-0.69	4.2e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.64	4608	1.0
loglik_pred[76]	-0.55	2.4e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.52	5207	1.0
loglik_pred[77]	-0.58	2.6e-4	0.02	-0.62	-0.59	-0.58	-0.57	-0.54	5009	1.0
loglik_pred[78]	-1.34	6.1e-4	0.04	-1.43	-1.37	-1.34	-1.31	-1.26	4756	1.0
loglik_pred[79]	-0.71	7.9e-4	0.05	-0.82	-0.74	-0.71	-0.67	-0.62	4393	1.0
loglik_pred[80]	-0.62	3.2e-4	0.02	-0.66	-0.64	-0.62	-0.61	-0.58	4778	1.0
loglik_pred[81]	-0.6	2.6e-4	0.02	-0.64	-0.61	-0.6	-0.59	-0.56	5115	1.0
loglik_pred[82]	-1.32	6.7e-4	0.04	-1.41	-1.35	-1.32	-1.29	-1.24	4424	1.0
loglik_pred[83]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.52	5096	1.0
loglik_pred[84]	-0.9	5.7e-4	0.04	-0.97	-0.92	-0.9	-0.87	-0.83	3999	1.0
loglik_pred[85]	-1.46	7.5e-4	0.05	-1.56	-1.49	-1.46	-1.42	-1.36	4635	1.0
loglik_pred[86]	-0.56	2.5e-4	0.02	-0.6	-0.58	-0.56	-0.55	-0.53	4958	1.0
loglik_pred[87]	-0.73	6.9e-4	0.05	-0.84	-0.76	-0.73	-0.7	-0.65	4811	1.0
loglik_pred[88]	-0.55	2.5e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	4929	1.0
loglik_pred[89]	-0.55	2.6e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	4851	1.0
loglik_pred[90]	-1.18	6.5e-4	0.04	-1.27	-1.21	-1.18	-1.15	-1.09	4640	1.0
loglik_pred[91]	-0.55	2.5e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	4815	1.0
loglik_pred[92]	-1.91	1.6e-3	0.11	-2.13	-1.99	-1.91	-1.84	-1.71	4831	1.0
loglik_pred[93]	-0.55	2.9e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	4292	1.0
loglik_pred[94]	-1.13	5.8e-4	0.04	-1.21	-1.16	-1.13	-1.1	-1.05	4708	1.0
loglik_pred[95]	-0.58	2.6e-4	0.02	-0.62	-0.59	-0.58	-0.57	-0.55	4832	1.0
loglik_pred[96]	-0.54	2.3e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	5285	1.0
loglik_pred[97]	-0.88	7.1e-4	0.05	-0.98	-0.91	-0.88	-0.85	-0.79	4733	1.0
loglik_pred[98]	-0.57	2.8e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.53	4844	1.0
loglik_pred[99]	-1.27	6.3e-4	0.04	-1.36	-1.3	-1.27	-1.24	-1.19	4647	1.0
loglik_pred[100]	-0.65	3.6e-4	0.02	-0.7	-0.67	-0.65	-0.64	-0.61	4321	1.0
loglik_pred[101]	-0.55	2.5e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	4720	1.0
loglik_pred[102]	-0.67	4.3e-4	0.03	-0.73	-0.69	-0.67	-0.65	-0.62	4512	1.0
loglik_pred[103]	-0.75	3.6e-4	0.02	-0.8	-0.77	-0.75	-0.74	-0.71	4549	1.0
loglik_pred[104]	-0.87	4.0e-4	0.03	-0.92	-0.88	-0.87	-0.85	-0.81	4598	1.0
loglik_pred[105]	-0.62	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4420	1.0
loglik_pred[106]	-0.67	3.0e-4	0.02	-0.71	-0.69	-0.67	-0.66	-0.63	4975	1.0
loglik_pred[107]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.52	5169	1.0
loglik_pred[108]	-0.59	4.0e-4	0.03	-0.65	-0.61	-0.59	-0.57	-0.54	4550	1.0

loglik_pred[109]	-0.57	2.9e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.53	4637	1.0
loglik_pred[110]	-0.63	3.4e-4	0.02	-0.67	-0.64	-0.62	-0.61	-0.58	4939	1.0
loglik_pred[111]	-0.54	2.3e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	5269	1.0
loglik_pred[112]	-0.78	6.5e-4	0.04	-0.86	-0.8	-0.77	-0.75	-0.7	3687	1.0
loglik_pred[113]	-0.66	3.1e-4	0.02	-0.7	-0.67	-0.66	-0.65	-0.62	4907	1.0
loglik_pred[114]	-0.58	2.4e-4	0.02	-0.62	-0.59	-0.58	-0.57	-0.55	5206	1.0
loglik_pred[115]	-0.86	4.6e-4	0.03	-0.92	-0.88	-0.86	-0.84	-0.8	4562	1.0
loglik_pred[116]	-0.55	2.4e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	5278	1.0
loglik_pred[117]	-0.57	2.5e-4	0.02	-0.61	-0.58	-0.57	-0.56	-0.53	5125	1.0
loglik_pred[118]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	5169	1.0
loglik_pred[119]	-0.85	4.4e-4	0.03	-0.91	-0.87	-0.85	-0.83	-0.79	4535	1.0
loglik_pred[120]	-0.58	2.7e-4	0.02	-0.62	-0.6	-0.58	-0.57	-0.55	4857	1.0
loglik_pred[121]	-0.91	4.5e-4	0.03	-0.97	-0.93	-0.91	-0.89	-0.86	4404	1.0
loglik_pred[122]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	5156	1.0
loglik_pred[123]	-0.68	3.7e-4	0.03	-0.74	-0.7	-0.68	-0.67	-0.64	4791	1.0
loglik_pred[124]	-0.65	4.2e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.6	4553	1.0
loglik_pred[125]	-0.64	4.0e-4	0.03	-0.69	-0.65	-0.64	-0.62	-0.59	4063	1.0
loglik_pred[126]	-0.6	3.5e-4	0.02	-0.65	-0.61	-0.6	-0.58	-0.55	4764	1.0
loglik_pred[127]	-0.69	4.1e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.64	4901	1.0
loglik_pred[128]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	5243	1.0
loglik_pred[129]	-0.82	4.7e-4	0.03	-0.89	-0.84	-0.82	-0.8	-0.76	4713	1.0
loglik_pred[130]	-1.32	7.3e-4	0.05	-1.42	-1.35	-1.32	-1.28	-1.22	4571	1.0
loglik_pred[131]	-1.75	1.1e-3	0.07	-1.89	-1.79	-1.74	-1.69	-1.61	4683	1.0
loglik_pred[132]	-0.73	3.3e-4	0.02	-0.77	-0.74	-0.73	-0.71	-0.68	4643	1.0
loglik_pred[133]	-0.6	2.9e-4	0.02	-0.64	-0.61	-0.6	-0.58	-0.56	4711	1.0
loglik_pred[134]	-1.69	3.7e-3	0.23	-2.17	-1.83	-1.68	-1.53	-1.27	3850	1.0
loglik_pred[135]	-0.7	6.7e-4	0.04	-0.79	-0.73	-0.7	-0.67	-0.62	4070	1.0
loglik_pred[136]	-0.62	2.8e-4	0.02	-0.66	-0.64	-0.62	-0.61	-0.59	4994	1.0
loglik_pred[137]	-1.35	6.5e-4	0.05	-1.44	-1.38	-1.35	-1.32	-1.26	4794	1.0
loglik_pred[138]	-0.59	3.0e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	4737	1.0
loglik_pred[139]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	5095	1.0
loglik_pred[140]	-0.69	4.0e-4	0.03	-0.74	-0.7	-0.68	-0.67	-0.64	4684	1.0
loglik_pred[141]	-0.56	2.4e-4	0.02	-0.59	-0.57	-0.56	-0.55	-0.53	5162	1.0
loglik_pred[142]	-0.98	9.3e-4	0.06	-1.11	-1.02	-0.98	-0.94	-0.87	4356	1.0
loglik_pred[143]	-0.69	5.6e-4	0.04	-0.76	-0.71	-0.68	-0.66	-0.62	4494	1.0
loglik_pred[144]	-0.55	2.4e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.52	5156	1.0
loglik_pred[145]	-0.55	2.3e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	5270	1.0
loglik_pred[146]	-0.56	2.7e-4	0.02	-0.59	-0.57	-0.56	-0.54	-0.52	4705	1.0
loglik_pred[147]	-0.61	2.6e-4	0.02	-0.65	-0.63	-0.61	-0.6	-0.58	4962	1.0
loglik_pred[148]	-1.1	1.3e-3	0.09	-1.27	-1.15	-1.09	-1.04	-0.94	4419	1.0
loglik_pred[149]	-2.24	2.1e-3	0.14	-2.52	-2.33	-2.24	-2.15	-1.97	4579	1.0
loglik_pred[150]	-0.56	2.5e-4	0.02	-0.6	-0.57	-0.56	-0.55	-0.52	5077	1.0
loglik_pred[151]	-0.55	2.5e-4	0.02	-0.59	-0.56	-0.55	-0.54	-0.52	5031	1.0
loglik_pred[152]	-0.84	5.1e-4	0.03	-0.91	-0.86	-0.84	-0.82	-0.78	4690	1.0
loglik_pred[153]	-0.55	2.3e-4	0.02	-0.58	-0.56	-0.55	-0.53	-0.51	5376	1.0
loglik_pred[154]	-0.56	2.9e-4	0.02	-0.6	-0.57	-0.56	-0.55	-0.52	4631	1.0
loglik_pred[155]	-0.57	2.4e-4	0.02	-0.6	-0.58	-0.57	-0.56	-0.54	5359	1.0
loglik_pred[156]	-0.93	1.1e-3	0.07	-1.08	-0.98	-0.92	-0.87	-0.79	4398	1.0

loglik_pred[157]	-1.36	7.6e-4	0.05	-1.46	-1.39	-1.36	-1.32	-1.26	4600	1.0
loglik_pred[158]	-0.66	3.4e-4	0.02	-0.71	-0.68	-0.66	-0.65	-0.62	4820	1.0
loglik_pred[159]	-0.69	4.4e-4	0.03	-0.75	-0.71	-0.69	-0.67	-0.64	4011	1.0
loglik_pred[160]	-0.66	3.3e-4	0.02	-0.71	-0.67	-0.66	-0.64	-0.62	4970	1.0
loglik_pred[161]	-0.65	3.1e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.61	4765	1.0
loglik_pred[162]	-0.67	3.3e-4	0.02	-0.71	-0.68	-0.67	-0.65	-0.62	4665	1.0
loglik_pred[163]	-0.88	3.8e-4	0.03	-0.93	-0.9	-0.88	-0.86	-0.83	4680	1.0
loglik_pred[164]	-0.59	2.9e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	4734	1.0
loglik_pred[165]	-0.64	4.3e-4	0.03	-0.7	-0.65	-0.63	-0.61	-0.58	4922	1.0
loglik_pred[166]	-0.95	1.3e-3	0.08	-1.12	-1.01	-0.95	-0.89	-0.8	4018	1.0
loglik_pred[167]	-0.61	2.5e-4	0.02	-0.64	-0.62	-0.61	-0.59	-0.57	5319	1.0
loglik_pred[168]	-0.54	2.3e-4	0.02	-0.58	-0.56	-0.54	-0.53	-0.51	5227	1.0
loglik_pred[169]	-0.97	8.6e-4	0.06	-1.09	-1.01	-0.97	-0.93	-0.86	4385	1.0
loglik_pred[170]	-0.62	2.9e-4	0.02	-0.66	-0.63	-0.62	-0.6	-0.58	4978	1.0
loglik_pred[171]	-0.59	2.5e-4	0.02	-0.62	-0.6	-0.59	-0.57	-0.55	5323	1.0
loglik_pred[172]	-1.13	5.4e-4	0.04	-1.21	-1.16	-1.14	-1.11	-1.06	4740	1.0
loglik_pred[173]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.51	5073	1.0
loglik_pred[174]	-0.73	4.7e-4	0.03	-0.8	-0.75	-0.73	-0.71	-0.67	4313	1.0
loglik_pred[175]	-0.55	2.3e-4	0.02	-0.59	-0.57	-0.55	-0.54	-0.52	5203	1.0
loglik_pred[176]	-0.55	2.4e-4	0.02	-0.58	-0.56	-0.55	-0.54	-0.52	5164	1.0
loglik_pred[177]	-0.78	9.5e-4	0.06	-0.9	-0.82	-0.78	-0.74	-0.67	4000	1.0
loglik_pred[178]	-1.4	1.7e-3	0.1	-1.61	-1.47	-1.4	-1.33	-1.2	3741	1.0
loglik_pred[179]	-0.65	5.4e-4	0.03	-0.72	-0.67	-0.65	-0.63	-0.59	3798	1.0
loglik_pred[180]	-0.6	2.7e-4	0.02	-0.64	-0.62	-0.6	-0.59	-0.57	4973	1.0
loglik_pred[181]	-0.91	8.2e-4	0.06	-1.02	-0.94	-0.91	-0.87	-0.81	4540	1.0
loglik_pred[182]	-0.59	3.2e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.55	4430	1.0
loglik_pred[183]	-0.66	4.0e-4	0.03	-0.72	-0.68	-0.66	-0.65	-0.61	4232	1.0
loglik_pred[184]	-1.49	1.4e-3	0.09	-1.68	-1.55	-1.49	-1.43	-1.32	4320	1.0
loglik_pred[185]	-0.72	3.6e-4	0.03	-0.77	-0.73	-0.72	-0.7	-0.67	4814	1.0
loglik_pred[186]	-0.83	4.9e-4	0.03	-0.9	-0.85	-0.83	-0.81	-0.77	4943	1.0
loglik_pred[187]	-0.64	2.9e-4	0.02	-0.68	-0.65	-0.64	-0.62	-0.6	4944	1.0
loglik_pred[188]	-0.68	4.8e-4	0.03	-0.75	-0.71	-0.68	-0.66	-0.62	4759	1.0
loglik_pred[189]	-0.68	4.8e-4	0.03	-0.74	-0.7	-0.68	-0.66	-0.62	4412	1.0
loglik_pred[190]	-1.06	8.7e-4	0.06	-1.17	-1.1	-1.06	-1.02	-0.95	4005	1.0
loglik_pred[191]	-1.02	5.2e-4	0.04	-1.09	-1.04	-1.02	-1.0	-0.95	4801	1.0
loglik_pred[192]	-0.65	3.6e-4	0.02	-0.7	-0.66	-0.65	-0.63	-0.6	4443	1.0
loglik_pred[193]	-1.1	9.0e-4	0.06	-1.21	-1.13	-1.1	-1.06	-0.99	3872	1.0
loglik_pred[194]	-1.03	6.9e-4	0.05	-1.12	-1.06	-1.03	-1.0	-0.94	4415	1.0
loglik_pred[195]	-1.48	1.2e-3	0.07	-1.63	-1.53	-1.48	-1.43	-1.34	3926	1.0
loglik_pred[196]	-0.56	2.9e-4	0.02	-0.6	-0.58	-0.56	-0.55	-0.53	4845	1.0
loglik_pred[197]	-0.81	4.8e-4	0.03	-0.87	-0.83	-0.81	-0.79	-0.75	4312	1.0
loglik_pred[198]	-1.04	5.4e-4	0.04	-1.12	-1.07	-1.04	-1.02	-0.98	4495	1.0
loglik_pred[199]	-0.57	2.9e-4	0.02	-0.61	-0.58	-0.57	-0.55	-0.53	4976	1.0
loglik_pred[200]	-1.69	1.1e-3	0.08	-1.85	-1.74	-1.69	-1.64	-1.54	4771	1.0
lp__	-224.2	0.05	1.81	-228.6	-225.2	-223.9	-222.9	-221.7	1610	1.0

Samples were drawn using NUTS at Sun Dec 9 19:29:07 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).

1.7.2 Polynomial Regression Model Results

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

Inference for Stan model: anon_model_fdf10200661fa3c5ef96589091fabb87.

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	-0.14	3.1e-4	0.02	-0.18	-0.15	-0.14	-0.13	-0.1	3683	1.0
theta[1]	0.36	7.1e-4	0.04	0.28	0.33	0.36	0.38	0.43	2660	1.0
theta[2]	0.36	3.9e-4	0.02	0.31	0.34	0.36	0.37	0.41	3999	1.0
theta[3]	-0.19	6.9e-4	0.04	-0.26	-0.22	-0.19	-0.17	-0.12	2732	1.0
theta[4]	0.08	4.9e-4	0.03	0.02	0.06	0.08	0.1	0.13	3313	1.0
theta[5]	0.14	2.8e-4	0.01	0.12	0.14	0.14	0.15	0.17	2210	1.0
theta[6]	0.03	2.0e-4	0.01	0.01	0.03	0.03	0.04	0.06	3393	1.0
theta[7]	-0.05	2.9e-4	0.01	-0.07	-0.06	-0.05	-0.04	-0.02	2105	1.0
theta[8]	7.8e-3	1.7e-4	0.01	-0.01	2.5e-4	7.7e-3	0.02	0.03	3758	1.0
sigma	0.64	1.6e-4	0.01	0.62	0.63	0.64	0.64	0.66	4575	1.0
y_mean[1]	-0.73	5.9e-4	0.03	-0.8	-0.75	-0.73	-0.71	-0.66	3485	1.0
y_mean[2]	-0.51	5.3e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.44	3518	1.0
y_mean[3]	-0.48	3.8e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	3152	1.0
y_mean[4]	0.53	4.7e-4	0.03	0.47	0.51	0.53	0.55	0.58	4011	1.0
y_mean[5]	-0.46	4.6e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	2889	1.0
y_mean[6]	0.34	4.8e-4	0.03	0.27	0.32	0.34	0.36	0.4	4071	1.0
y_mean[7]	0.53	4.7e-4	0.03	0.47	0.51	0.53	0.55	0.59	4009	1.0
y_mean[8]	0.47	4.6e-4	0.03	0.41	0.45	0.47	0.49	0.52	4023	1.0
y_mean[9]	0.13	3.9e-4	0.02	0.09	0.12	0.14	0.15	0.18	3710	1.0
y_mean[10]	-0.45	5.5e-4	0.03	-0.51	-0.47	-0.45	-0.42	-0.38	3870	1.0
y_mean[11]	-0.07	7.5e-4	0.04	-0.15	-0.09	-0.07	-0.04	0.02	2972	1.0
y_mean[12]	-0.17	4.4e-4	0.03	-0.23	-0.19	-0.17	-0.16	-0.12	3603	1.0
y_mean[13]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	3111	1.0
y_mean[14]	-0.1	5.6e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.03	3414	1.0
y_mean[15]	-0.96	1.2e-3	0.07	-1.1	-1.01	-0.96	-0.91	-0.81	3592	1.0
y_mean[16]	-4.4e-4	5.2e-4	0.03	-0.06	-0.02	-6.7e-4	0.02	0.06	3564	1.0
y_mean[17]	-0.15	9.4e-4	0.05	-0.25	-0.18	-0.15	-0.12	-0.05	3166	1.0
y_mean[18]	4.1e-3	4.0e-4	0.02	-0.04	-0.01	4.1e-3	0.02	0.05	3247	1.0
y_mean[19]	0.55	4.9e-4	0.03	0.49	0.53	0.55	0.57	0.61	4200	1.0
y_mean[20]	0.58	4.9e-4	0.03	0.52	0.56	0.58	0.6	0.64	4085	1.0
y_mean[21]	-0.76	6.5e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3894	1.0
y_mean[22]	-0.28	1.5e-3	0.09	-0.45	-0.34	-0.28	-0.22	-0.1	3491	1.0
y_mean[23]	-0.13	4.0e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	3346	1.0
y_mean[24]	2.62	1.3e-3	0.09	2.45	2.56	2.62	2.67	2.79	4693	1.0

y_mean[25]	-0.48	4.5e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.43	3755	1.0
y_mean[26]	0.66	5.2e-4	0.03	0.59	0.63	0.65	0.68	0.72	4074	1.0
y_mean[27]	-0.31	3.8e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	3969	1.0
y_mean[28]	-0.2	6.0e-4	0.04	-0.27	-0.22	-0.2	-0.17	-0.12	3710	1.0
y_mean[29]	0.11	9.4e-4	0.06	-3.4e-3	0.07	0.11	0.15	0.23	4077	1.0
y_mean[30]	-0.5	4.1e-4	0.02	-0.55	-0.51	-0.5	-0.48	-0.45	3431	1.0
y_mean[31]	0.42	4.8e-4	0.03	0.36	0.4	0.42	0.44	0.47	3951	1.0
y_mean[32]	-0.94	1.3e-3	0.08	-1.09	-1.0	-0.94	-0.89	-0.79	3442	1.0
y_mean[33]	0.75	9.4e-4	0.06	0.62	0.71	0.75	0.79	0.87	4605	1.0
y_mean[34]	-0.02	4.5e-4	0.03	-0.07	-0.04	-0.03	-7.7e-3	0.03	3255	1.0
y_mean[35]	-0.15	5.8e-4	0.04	-0.22	-0.17	-0.15	-0.13	-0.08	3675	1.0
y_mean[36]	-0.45	4.8e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.4	2693	1.0
y_mean[37]	-0.47	3.3e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	4173	1.0
y_mean[38]	-0.45	5.6e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.38	3520	1.0
y_mean[39]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3270	1.0
y_mean[40]	-1.03	2.1e-3	0.12	-1.26	-1.11	-1.03	-0.95	-0.79	3401	1.0
y_mean[41]	0.77	8.2e-4	0.06	0.66	0.73	0.77	0.81	0.88	4615	1.0
y_mean[42]	-0.37	4.0e-4	0.02	-0.41	-0.38	-0.37	-0.35	-0.32	3305	1.0
y_mean[43]	-0.23	6.8e-4	0.04	-0.31	-0.26	-0.23	-0.21	-0.15	3886	1.0
y_mean[44]	0.35	5.4e-4	0.03	0.29	0.33	0.35	0.38	0.42	3723	1.0
y_mean[45]	-0.43	5.0e-4	0.03	-0.48	-0.44	-0.43	-0.41	-0.37	3321	1.0
y_mean[46]	-0.43	6.1e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.36	2779	1.0
y_mean[47]	-0.06	4.6e-4	0.03	-0.11	-0.08	-0.06	-0.04	2.3e-4	3954	1.0
y_mean[48]	-0.44	4.4e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	2866	1.0
y_mean[49]	0.48	9.8e-4	0.05	0.37	0.44	0.48	0.51	0.58	3112	1.0
y_mean[50]	0.37	4.6e-4	0.03	0.31	0.35	0.37	0.39	0.42	4139	1.0
y_mean[51]	-0.45	5.7e-4	0.04	-0.52	-0.48	-0.45	-0.43	-0.38	3835	1.0
y_mean[52]	1.81	7.9e-4	0.06	1.69	1.77	1.81	1.85	1.92	5185	1.0
y_mean[53]	0.48	7.7e-4	0.04	0.39	0.45	0.48	0.51	0.56	3353	1.0
y_mean[54]	-0.09	3.9e-4	0.03	-0.14	-0.11	-0.09	-0.08	-0.04	4097	1.0
y_mean[55]	-0.43	6.3e-4	0.03	-0.5	-0.46	-0.43	-0.41	-0.37	2984	1.0
y_mean[56]	0.02	4.7e-4	0.03	-0.03	2.2e-3	0.02	0.04	0.08	3571	1.0
y_mean[57]	0.23	5.9e-4	0.04	0.15	0.2	0.23	0.25	0.3	3798	1.0
y_mean[58]	0.08	6.1e-4	0.04	2.7e-3	0.05	0.08	0.1	0.16	4373	1.0
y_mean[59]	-0.26	5.4e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	3036	1.0
y_mean[60]	8.1e-3	4.7e-4	0.03	-0.04	-0.01	7.7e-3	0.03	0.06	3277	1.0
y_mean[61]	0.62	5.8e-4	0.04	0.54	0.59	0.62	0.64	0.69	4156	1.0
y_mean[62]	-0.74	5.9e-4	0.04	-0.81	-0.76	-0.74	-0.72	-0.67	3596	1.0
y_mean[63]	-0.57	1.2e-3	0.06	-0.68	-0.61	-0.57	-0.53	-0.46	2512	1.0
y_mean[64]	0.03	1.0e-3	0.05	-0.07	-1.7e-3	0.03	0.07	0.13	2617	1.0
y_mean[65]	0.11	5.7e-4	0.03	0.05	0.09	0.11	0.14	0.18	3680	1.0
y_mean[66]	1.22	7.0e-4	0.04	1.13	1.19	1.22	1.25	1.3	3834	1.0
y_mean[67]	0.56	5.7e-4	0.04	0.5	0.54	0.56	0.59	0.63	3809	1.0
y_mean[68]	0.9	7.7e-4	0.05	0.8	0.87	0.9	0.94	1.0	4392	1.0
y_mean[69]	-0.08	5.8e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	2868	1.0
y_mean[70]	0.57	5.2e-4	0.03	0.51	0.55	0.57	0.59	0.64	4256	1.0
y_mean[71]	-0.45	5.0e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	2818	1.0
y_mean[72]	-0.47	4.5e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.42	3237	1.0

y_mean[73]	0.78	6.2e-4	0.04	0.7	0.75	0.78	0.81	0.86	4467	1.0
y_mean[74]	0.1	5.4e-4	0.03	0.04	0.08	0.1	0.12	0.16	3516	1.0
y_mean[75]	-0.77	7.4e-4	0.05	-0.86	-0.8	-0.77	-0.74	-0.68	3758	1.0
y_mean[76]	-0.43	5.5e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.38	2685	1.0
y_mean[77]	-0.45	4.5e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	2703	1.0
y_mean[78]	-0.14	4.0e-4	0.02	-0.18	-0.15	-0.14	-0.12	-0.09	3312	1.0
y_mean[79]	-0.85	1.5e-3	0.08	-1.01	-0.9	-0.85	-0.79	-0.68	3168	1.0
y_mean[80]	-0.53	6.3e-4	0.04	-0.6	-0.55	-0.53	-0.5	-0.45	3438	1.0
y_mean[81]	-0.13	4.0e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	3326	1.0
y_mean[82]	-0.39	4.4e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	3376	1.0
y_mean[83]	-0.74	5.8e-4	0.03	-0.8	-0.76	-0.74	-0.71	-0.67	3575	1.0
y_mean[84]	0.21	5.2e-4	0.03	0.16	0.19	0.21	0.24	0.28	3478	1.0
y_mean[85]	-0.06	5.1e-4	0.03	-0.12	-0.08	-0.06	-0.05	-9.8e-3	2881	1.0
y_mean[86]	-0.02	4.6e-4	0.03	-0.07	-0.04	-0.02	-4.5e-3	0.03	3111	1.0
y_mean[87]	0.37	8.1e-4	0.05	0.27	0.33	0.37	0.4	0.47	3997	1.0
y_mean[88]	-0.17	6.4e-4	0.04	-0.25	-0.2	-0.17	-0.15	-0.1	3776	1.0
y_mean[89]	0.96	8.2e-4	0.06	0.85	0.92	0.96	0.99	1.07	4601	1.0
y_mean[90]	-0.47	5.0e-4	0.03	-0.53	-0.49	-0.47	-0.44	-0.4	3783	1.0
y_mean[91]	-0.2	6.3e-4	0.04	-0.28	-0.23	-0.21	-0.18	-0.13	3632	1.0
y_mean[92]	0.68	7.1e-4	0.04	0.6	0.65	0.68	0.71	0.77	3903	1.0
y_mean[93]	-0.93	1.4e-3	0.08	-1.1	-0.99	-0.93	-0.88	-0.77	3508	1.0
y_mean[94]	-0.15	4.2e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	3661	1.0
y_mean[95]	-0.36	4.6e-4	0.03	-0.41	-0.38	-0.36	-0.34	-0.31	3059	1.0
y_mean[96]	-0.4	5.7e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	3051	1.0
y_mean[97]	1.03	6.7e-4	0.04	0.94	1.0	1.03	1.06	1.12	4440	1.0
y_mean[98]	1.03	5.8e-4	0.04	0.96	1.01	1.03	1.06	1.1	4238	1.0
y_mean[99]	-0.5	4.2e-4	0.02	-0.55	-0.52	-0.5	-0.49	-0.45	3485	1.0
y_mean[100]	-0.39	7.0e-4	0.04	-0.47	-0.42	-0.39	-0.37	-0.32	2970	1.0
y_mean[101]	-0.16	7.6e-4	0.05	-0.25	-0.19	-0.16	-0.13	-0.07	3835	1.0
y_mean[102]	0.65	5.4e-4	0.03	0.58	0.63	0.65	0.67	0.72	4175	1.0
y_mean[103]	-0.5	4.2e-4	0.03	-0.55	-0.51	-0.5	-0.48	-0.45	3689	1.0
y_mean[104]	-0.03	4.4e-4	0.03	-0.08	-0.04	-0.03	-0.01	0.02	3350	1.0
y_mean[105]	-0.23	5.9e-4	0.03	-0.3	-0.25	-0.23	-0.21	-0.17	2824	1.0
y_mean[106]	-0.41	3.7e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	3886	1.0
y_mean[107]	0.03	5.3e-4	0.03	-0.03	0.01	0.03	0.05	0.09	3429	1.0
y_mean[108]	-0.82	1.4e-3	0.08	-0.97	-0.87	-0.82	-0.77	-0.67	3248	1.0
y_mean[109]	0.64	6.0e-4	0.04	0.56	0.61	0.63	0.66	0.71	4003	1.0
y_mean[110]	-0.2	5.3e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.13	3713	1.0
y_mean[111]	0.08	4.5e-4	0.03	0.03	0.06	0.08	0.1	0.13	3653	1.0
y_mean[112]	0.26	6.7e-4	0.04	0.18	0.23	0.26	0.29	0.33	3164	1.0
y_mean[113]	0.08	4.3e-4	0.03	0.03	0.06	0.08	0.09	0.13	3651	1.0
y_mean[114]	-0.35	3.4e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	3608	1.0
y_mean[115]	-0.36	5.3e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.3	3287	1.0
y_mean[116]	-0.44	3.3e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.4	4363	1.0
y_mean[117]	-0.12	3.9e-4	0.02	-0.16	-0.14	-0.12	-0.1	-0.08	3366	1.0
y_mean[118]	-0.03	4.4e-4	0.03	-0.08	-0.05	-0.03	-0.01	0.02	3253	1.0
y_mean[119]	-0.24	4.4e-4	0.03	-0.29	-0.25	-0.24	-0.22	-0.18	3406	1.0
y_mean[120]	-0.05	4.9e-4	0.03	-0.1	-0.07	-0.05	-0.03	4.0e-3	2939	1.0

y_mean[121]	-0.31	4.4e-4	0.02	-0.36	-0.33	-0.31	-0.29	-0.26	3189	1.0
y_mean[122]	-0.12	4.4e-4	0.03	-0.17	-0.13	-0.12	-0.1	-0.06	4089	1.0
y_mean[123]	-0.44	6.2e-4	0.04	-0.51	-0.46	-0.44	-0.41	-0.37	3632	1.0
y_mean[124]	-0.16	6.3e-4	0.04	-0.23	-0.19	-0.16	-0.13	-0.08	3728	1.0
y_mean[125]	0.48	5.5e-4	0.03	0.42	0.46	0.48	0.51	0.55	3954	1.0
y_mean[126]	1.01	6.9e-4	0.05	0.92	0.98	1.01	1.04	1.1	4376	1.0
y_mean[127]	-0.1	5.5e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.03	3893	1.0
y_mean[128]	-0.48	4.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	3180	1.0
y_mean[129]	-0.43	6.5e-4	0.04	-0.5	-0.46	-0.43	-0.41	-0.36	3099	1.0
y_mean[130]	-0.07	4.4e-4	0.03	-0.12	-0.09	-0.07	-0.05	-0.01	3843	1.0
y_mean[131]	-0.74	5.7e-4	0.04	-0.8	-0.76	-0.73	-0.71	-0.66	4061	1.0
y_mean[132]	-0.41	3.5e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3746	1.0
y_mean[133]	-0.5	6.2e-4	0.04	-0.58	-0.53	-0.5	-0.48	-0.43	3602	1.0
y_mean[134]	4.08	2.3e-3	0.16	3.78	3.98	4.08	4.19	4.4	4736	1.0
y_mean[135]	0.15	8.4e-4	0.05	0.06	0.12	0.15	0.18	0.25	3328	1.0
y_mean[136]	-0.49	3.8e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3112	1.0
y_mean[137]	-5.3e-4	4.6e-4	0.03	-0.05	-0.02	-1.2e-3	0.02	0.05	3478	1.0
y_mean[138]	0.46	4.6e-4	0.03	0.4	0.44	0.46	0.48	0.52	3969	1.0
y_mean[139]	-0.47	5.7e-4	0.04	-0.54	-0.5	-0.47	-0.45	-0.4	3965	1.0
y_mean[140]	-0.43	5.1e-4	0.03	-0.49	-0.45	-0.43	-0.4	-0.36	3884	1.0
y_mean[141]	-0.43	4.5e-4	0.03	-0.48	-0.44	-0.43	-0.41	-0.38	3207	1.0
y_mean[142]	0.3	7.0e-4	0.05	0.21	0.27	0.3	0.33	0.39	4304	1.0
y_mean[143]	0.27	6.9e-4	0.05	0.18	0.24	0.27	0.3	0.36	4211	1.0
y_mean[144]	-0.51	4.9e-4	0.03	-0.56	-0.53	-0.51	-0.49	-0.45	3487	1.0
y_mean[145]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	3223	1.0
y_mean[146]	0.98	6.9e-4	0.05	0.89	0.95	0.98	1.01	1.07	4484	1.0
y_mean[147]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3185	1.0
y_mean[148]	0.48	8.7e-4	0.06	0.37	0.44	0.48	0.52	0.6	4506	1.0
y_mean[149]	1.46	8.7e-4	0.06	1.35	1.42	1.46	1.5	1.57	4299	1.0
y_mean[150]	-0.41	5.5e-4	0.03	-0.47	-0.44	-0.41	-0.39	-0.35	3151	1.0
y_mean[151]	0.47	4.8e-4	0.03	0.41	0.44	0.47	0.49	0.53	4270	1.0
y_mean[152]	-0.19	4.9e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3693	1.0
y_mean[153]	0.17	3.7e-4	0.02	0.12	0.15	0.17	0.18	0.21	3877	1.0
y_mean[154]	-0.96	1.2e-3	0.07	-1.1	-1.01	-0.96	-0.91	-0.81	3592	1.0
y_mean[155]	-0.09	4.0e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	3381	1.0
y_mean[156]	1.27	8.8e-4	0.06	1.15	1.23	1.27	1.31	1.38	4265	1.0
y_mean[157]	0.28	5.0e-4	0.03	0.22	0.26	0.28	0.3	0.34	3574	1.0
y_mean[158]	-0.51	5.3e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3577	1.0
y_mean[159]	0.34	5.2e-4	0.03	0.28	0.32	0.34	0.36	0.41	3698	1.0
y_mean[160]	-0.37	5.0e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.31	3332	1.0
y_mean[161]	-0.44	4.3e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.39	3392	1.0
y_mean[162]	-0.28	4.2e-4	0.02	-0.33	-0.3	-0.28	-0.26	-0.23	3473	1.0
y_mean[163]	-0.47	3.9e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	3040	1.0
y_mean[164]	-0.74	5.8e-4	0.03	-0.81	-0.76	-0.74	-0.71	-0.67	3567	1.0
y_mean[165]	0.45	7.2e-4	0.05	0.36	0.42	0.45	0.48	0.54	3937	1.0
y_mean[166]	1.63	1.3e-3	0.09	1.45	1.57	1.63	1.69	1.8	5083	1.0
y_mean[167]	-0.13	4.0e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	3254	1.0
y_mean[168]	-0.48	4.5e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.42	3613	1.0

y_mean[169]	-0.55	9.7e-4	0.05	-0.65	-0.58	-0.55	-0.51	-0.45	2708	1.0
y_mean[170]	-0.51	4.7e-4	0.03	-0.56	-0.53	-0.51	-0.49	-0.45	3620	1.0
y_mean[171]	-0.16	4.1e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	3488	1.0
y_mean[172]	-0.02	4.4e-4	0.03	-0.07	-0.04	-0.02	-2.5e-3	0.03	3496	1.0
y_mean[173]	-0.37	5.3e-4	0.03	-0.43	-0.4	-0.38	-0.35	-0.31	3312	1.0
y_mean[174]	-0.73	7.6e-4	0.05	-0.82	-0.76	-0.73	-0.7	-0.63	3941	1.0
y_mean[175]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3094	1.0
y_mean[176]	-0.47	3.9e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.42	3997	1.0
y_mean[177]	1.88	1.2e-3	0.07	1.74	1.83	1.87	1.93	2.02	3914	1.0
y_mean[178]	0.94	8.1e-4	0.05	0.84	0.9	0.93	0.97	1.04	4291	1.0
y_mean[179]	0.38	7.5e-4	0.04	0.29	0.35	0.38	0.41	0.46	3291	1.0
y_mean[180]	-0.33	4.1e-4	0.02	-0.38	-0.34	-0.33	-0.31	-0.28	3335	1.0
y_mean[181]	-0.88	1.2e-3	0.07	-1.02	-0.92	-0.88	-0.83	-0.74	3436	1.0
y_mean[182]	-0.24	8.0e-4	0.04	-0.33	-0.27	-0.24	-0.22	-0.16	2569	1.0
y_mean[183]	-0.26	6.1e-4	0.03	-0.33	-0.29	-0.26	-0.24	-0.2	2796	1.0
y_mean[184]	-0.16	6.8e-4	0.04	-0.24	-0.18	-0.16	-0.13	-0.07	3918	1.0
y_mean[185]	-0.48	4.5e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.42	3536	1.0
y_mean[186]	-0.1	5.2e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	3890	1.0
y_mean[187]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3417	1.0
y_mean[188]	-0.17	7.5e-4	0.04	-0.26	-0.2	-0.17	-0.14	-0.09	3496	1.0
y_mean[189]	-0.64	1.0e-3	0.05	-0.74	-0.68	-0.64	-0.61	-0.54	2558	1.0
y_mean[190]	0.4	6.1e-4	0.04	0.33	0.38	0.4	0.43	0.48	3743	1.0
y_mean[191]	-0.45	4.3e-4	0.03	-0.5	-0.47	-0.45	-0.44	-0.4	3569	1.0
y_mean[192]	-0.38	5.3e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.32	3271	1.0
y_mean[193]	0.05	7.8e-4	0.04	-0.03	0.02	0.05	0.08	0.13	2870	1.0
y_mean[194]	-0.72	6.7e-4	0.04	-0.81	-0.75	-0.72	-0.69	-0.63	4102	1.0
y_mean[195]	-0.17	6.9e-4	0.04	-0.24	-0.19	-0.17	-0.14	-0.09	2799	1.0
y_mean[196]	-0.68	7.9e-4	0.04	-0.77	-0.71	-0.68	-0.65	-0.6	3062	1.0
y_mean[197]	-0.03	5.1e-4	0.03	-0.08	-0.05	-0.03	-4.7e-3	0.03	3494	1.0
y_mean[198]	-0.49	4.4e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.44	3725	1.0
y_mean[199]	-0.79	8.5e-4	0.05	-0.89	-0.82	-0.79	-0.76	-0.69	3647	1.0
y_mean[200]	-0.77	6.6e-4	0.04	-0.85	-0.8	-0.77	-0.74	-0.69	3827	1.0
y_mean[201]	0.14	5.6e-4	0.04	0.07	0.11	0.14	0.16	0.21	4029	1.0
y_mean[202]	-0.13	7.6e-4	0.05	-0.21	-0.16	-0.13	-0.09	-0.03	3601	1.0
y_mean[203]	1.14	6.5e-4	0.05	1.05	1.11	1.14	1.18	1.24	5708	1.0
y_mean[204]	0.32	7.8e-4	0.04	0.23	0.29	0.32	0.35	0.41	3150	1.0
y_mean[205]	-0.45	4.1e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	2899	1.0
y_mean[206]	1.28	7.2e-4	0.05	1.18	1.24	1.28	1.32	1.38	5530	1.0
y_mean[207]	-0.52	5.7e-4	0.03	-0.59	-0.54	-0.52	-0.5	-0.45	3521	1.0
y_mean[208]	-0.46	4.7e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	2919	1.0
y_mean[209]	0.41	4.6e-4	0.03	0.35	0.39	0.41	0.43	0.46	4155	1.0
y_mean[210]	-0.11	4.1e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	3129	1.0
y_mean[211]	0.34	9.8e-4	0.06	0.23	0.3	0.34	0.38	0.45	3357	1.0
y_mean[212]	0.52	6.4e-4	0.04	0.45	0.5	0.52	0.55	0.6	3856	1.0
y_mean[213]	-0.47	5.3e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.4	3848	1.0
y_mean[214]	-0.76	6.0e-4	0.04	-0.83	-0.78	-0.76	-0.73	-0.68	3793	1.0
y_mean[215]	0.64	6.1e-4	0.04	0.56	0.61	0.64	0.66	0.71	4094	1.0
y_mean[216]	-0.41	3.4e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	3979	1.0

y_mean[217]	-0.43	4.5e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.38	3505	1.0
y_mean[218]	-0.27	7.9e-4	0.05	-0.37	-0.3	-0.27	-0.23	-0.16	4196	1.0
y_mean[219]	-0.12	3.9e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	3439	1.0
y_mean[220]	0.42	4.7e-4	0.03	0.36	0.4	0.42	0.44	0.48	3954	1.0
y_mean[221]	-0.4	5.1e-4	0.03	-0.46	-0.42	-0.4	-0.39	-0.35	2977	1.0
y_mean[222]	-0.51	4.4e-4	0.03	-0.56	-0.52	-0.51	-0.49	-0.45	3631	1.0
y_mean[223]	0.55	5.7e-4	0.04	0.48	0.52	0.55	0.57	0.62	4152	1.0
y_mean[224]	0.41	4.6e-4	0.03	0.35	0.39	0.41	0.43	0.46	4016	1.0
y_mean[225]	-0.41	6.3e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.35	2743	1.0
y_mean[226]	1.07	7.5e-4	0.05	0.98	1.04	1.07	1.11	1.17	4099	1.0
y_mean[227]	-0.37	6.0e-4	0.03	-0.44	-0.39	-0.38	-0.35	-0.31	2733	1.0
y_mean[228]	-0.71	5.8e-4	0.04	-0.79	-0.74	-0.71	-0.69	-0.64	4101	1.0
y_mean[229]	-0.51	5.5e-4	0.03	-0.58	-0.53	-0.51	-0.49	-0.45	3562	1.0
y_mean[230]	-0.18	7.1e-4	0.04	-0.26	-0.21	-0.18	-0.15	-0.09	3568	1.0
y_mean[231]	0.6	9.4e-4	0.06	0.48	0.55	0.59	0.64	0.72	4232	1.0
y_mean[232]	-0.25	8.5e-4	0.05	-0.35	-0.29	-0.25	-0.22	-0.16	3076	1.0
y_mean[233]	-0.46	5.8e-4	0.04	-0.53	-0.49	-0.46	-0.44	-0.39	3903	1.0
y_mean[234]	-0.15	4.0e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	3385	1.0
y_mean[235]	0.32	6.1e-4	0.04	0.24	0.29	0.32	0.34	0.39	3876	1.0
y_mean[236]	2.32	1.2e-3	0.08	2.16	2.26	2.32	2.37	2.48	4614	1.0
y_mean[237]	-2.0e-3	4.5e-4	0.03	-0.06	-0.02	-2.3e-3	0.02	0.05	3581	1.0
y_mean[238]	-0.73	5.7e-4	0.03	-0.79	-0.75	-0.73	-0.7	-0.66	3597	1.0
y_mean[239]	-0.43	6.6e-4	0.04	-0.51	-0.46	-0.43	-0.4	-0.35	3593	1.0
y_mean[240]	-0.71	6.2e-4	0.04	-0.78	-0.73	-0.71	-0.68	-0.64	3497	1.0
y_mean[241]	1.32	6.9e-4	0.05	1.23	1.29	1.32	1.36	1.42	4794	1.0
y_mean[242]	1.51	1.7e-3	0.11	1.3	1.44	1.51	1.58	1.72	4095	1.0
y_mean[243]	-0.69	7.0e-4	0.04	-0.77	-0.72	-0.69	-0.66	-0.61	3304	1.0
y_mean[244]	-0.47	4.2e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	2944	1.0
y_mean[245]	-0.19	9.9e-4	0.06	-0.3	-0.23	-0.19	-0.16	-0.08	3095	1.0
y_mean[246]	-0.39	5.5e-4	0.03	-0.46	-0.42	-0.39	-0.37	-0.32	3972	1.0
y_mean[247]	-0.5	4.2e-4	0.03	-0.55	-0.52	-0.5	-0.49	-0.45	3655	1.0
y_mean[248]	-0.69	6.5e-4	0.04	-0.77	-0.72	-0.69	-0.66	-0.62	3582	1.0
y_mean[249]	1.36	7.1e-4	0.05	1.26	1.33	1.36	1.39	1.45	4515	1.0
y_mean[250]	0.21	5.5e-4	0.04	0.14	0.18	0.21	0.23	0.28	4539	1.0
y_mean[251]	0.2	5.7e-4	0.04	0.12	0.17	0.2	0.22	0.27	4535	1.0
y_mean[252]	-0.4	2.9e-4	0.02	-0.43	-0.41	-0.4	-0.38	-0.36	4051	1.0
y_mean[253]	0.99	6.9e-4	0.04	0.9	0.96	0.99	1.02	1.08	4142	1.0
y_mean[254]	-0.76	6.7e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3884	1.0
y_mean[255]	0.51	4.6e-4	0.03	0.46	0.49	0.51	0.53	0.57	3987	1.0
y_mean[256]	0.4	4.7e-4	0.03	0.34	0.38	0.4	0.42	0.46	3963	1.0
y_mean[257]	-0.42	5.0e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.36	3831	1.0
y_mean[258]	-0.48	4.1e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	3078	1.0
y_mean[259]	-0.02	5.0e-4	0.03	-0.07	-0.04	-0.02	-1.8e-3	0.03	3021	1.0
y_mean[260]	-0.1	7.6e-4	0.05	-0.2	-0.14	-0.11	-0.07	-0.01	3785	1.0
y_mean[261]	-0.28	6.6e-4	0.03	-0.35	-0.3	-0.28	-0.26	-0.22	2660	1.0
y_mean[262]	-0.68	8.0e-4	0.04	-0.76	-0.71	-0.68	-0.65	-0.59	3047	1.0
y_mean[263]	-0.75	6.0e-4	0.04	-0.82	-0.78	-0.75	-0.73	-0.68	3725	1.0
y_mean[264]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3125	1.0

y_mean[265]	0.17	5.9e-4	0.04	0.1	0.15	0.17	0.2	0.25	4076	1.0
y_mean[266]	-0.73	5.6e-4	0.03	-0.8	-0.75	-0.73	-0.71	-0.66	3791	1.0
y_mean[267]	-0.49	4.5e-4	0.03	-0.55	-0.51	-0.49	-0.48	-0.44	3812	1.0
y_mean[268]	-0.46	3.9e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	3122	1.0
y_mean[269]	-0.46	4.8e-4	0.03	-0.51	-0.47	-0.46	-0.44	-0.41	2816	1.0
y_mean[270]	-0.02	4.7e-4	0.03	-0.07	-0.03	-0.02	1.4e-3	0.04	3109	1.0
y_mean[271]	-0.06	4.4e-4	0.03	-0.11	-0.07	-0.06	-0.04	-1.3e-3	3828	1.0
y_mean[272]	-0.64	9.4e-4	0.05	-0.73	-0.67	-0.64	-0.61	-0.55	2478	1.0
y_mean[273]	0.1	5.3e-4	0.03	0.04	0.08	0.1	0.12	0.17	3843	1.0
y_mean[274]	-0.01	5.6e-4	0.03	-0.07	-0.03	-0.01	6.4e-3	0.05	3077	1.0
y_mean[275]	8.9e-3	4.6e-4	0.03	-0.04	-9.4e-3	8.1e-3	0.03	0.06	3459	1.0
y_mean[276]	1.64	9.1e-4	0.06	1.52	1.6	1.64	1.68	1.77	4712	1.0
y_mean[277]	0.03	4.9e-4	0.03	-0.03	7.5e-3	0.03	0.05	0.08	3311	1.0
y_mean[278]	-0.64	9.2e-4	0.05	-0.74	-0.68	-0.64	-0.6	-0.54	3166	1.0
y_mean[279]	-0.48	4.0e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3060	1.0
y_mean[280]	-0.41	3.8e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	3648	1.0
y_mean[281]	-0.1	5.8e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	2858	1.0
y_mean[282]	0.03	7.1e-4	0.04	-0.04	5.6e-3	0.03	0.06	0.1	2897	1.0
y_mean[283]	0.05	5.0e-4	0.03	-4.4e-3	0.03	0.05	0.07	0.11	3381	1.0
y_mean[284]	-0.47	4.4e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.41	3974	1.0
y_mean[285]	0.45	5.4e-4	0.03	0.39	0.43	0.45	0.47	0.52	4017	1.0
y_mean[286]	-0.47	5.2e-4	0.03	-0.54	-0.5	-0.47	-0.45	-0.41	3837	1.0
y_mean[287]	-0.13	4.5e-4	0.02	-0.18	-0.14	-0.13	-0.11	-0.08	3012	1.0
y_mean[288]	0.11	5.4e-4	0.03	0.05	0.09	0.11	0.14	0.18	3780	1.0
y_mean[289]	-0.2	5.6e-4	0.03	-0.27	-0.22	-0.2	-0.18	-0.13	3695	1.0
y_mean[290]	-0.43	5.1e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.37	3329	1.0
y_mean[291]	0.1	9.6e-4	0.05	-3.0e-5	0.07	0.1	0.13	0.19	2617	1.0
y_mean[292]	-0.4	3.2e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	3907	1.0
y_mean[293]	0.11	6.4e-4	0.04	0.03	0.08	0.11	0.14	0.19	3845	1.0
y_mean[294]	-0.17	6.5e-4	0.04	-0.25	-0.2	-0.17	-0.14	-0.09	3733	1.0
y_mean[295]	-0.13	4.0e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	3317	1.0
y_mean[296]	-0.48	4.5e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.42	3554	1.0
y_mean[297]	-0.74	6.3e-4	0.04	-0.82	-0.77	-0.74	-0.72	-0.66	4012	1.0
y_mean[298]	-0.06	4.7e-4	0.03	-0.11	-0.08	-0.06	-0.04	1.1e-3	3977	1.0
y_mean[299]	0.02	3.8e-4	0.02	-0.02	8.7e-3	0.02	0.04	0.07	3982	1.0
y_mean[300]	-0.47	4.3e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	3139	1.0
y_mean[301]	0.47	4.6e-4	0.03	0.41	0.45	0.47	0.49	0.52	4025	1.0
y_mean[302]	-0.71	6.6e-4	0.04	-0.78	-0.73	-0.71	-0.68	-0.64	3227	1.0
y_mean[303]	-0.04	4.7e-4	0.03	-0.09	-0.06	-0.04	-0.03	9.3e-3	2995	1.0
y_mean[304]	0.44	5.9e-4	0.04	0.36	0.41	0.44	0.47	0.52	4616	1.0
y_mean[305]	3.64	3.2e-3	0.2	3.25	3.5	3.64	3.78	4.03	3862	1.0
y_mean[306]	0.47	8.2e-4	0.05	0.36	0.43	0.47	0.5	0.57	4187	1.0
y_mean[307]	-0.45	5.8e-4	0.03	-0.51	-0.47	-0.45	-0.42	-0.38	3470	1.0
y_mean[308]	-0.15	7.6e-4	0.04	-0.23	-0.18	-0.15	-0.12	-0.07	2761	1.0
y_mean[309]	-0.37	8.4e-4	0.05	-0.46	-0.4	-0.37	-0.34	-0.28	2897	1.0
y_mean[310]	-0.08	5.7e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	2859	1.0
y_mean[311]	-0.38	5.3e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.33	3093	1.0
y_mean[312]	-0.93	1.4e-3	0.08	-1.1	-0.99	-0.93	-0.88	-0.77	3508	1.0

y_mean[313]	-0.16	4.2e-4	0.02	-0.21	-0.18	-0.16	-0.14	-0.11	3432	1.0
y_mean[314]	0.52	4.7e-4	0.03	0.47	0.5	0.52	0.54	0.58	4034	1.0
y_mean[315]	0.42	4.7e-4	0.03	0.36	0.4	0.42	0.44	0.48	3954	1.0
y_mean[316]	0.18	6.2e-4	0.04	0.1	0.15	0.18	0.21	0.26	4495	1.0
y_mean[317]	-0.37	3.8e-4	0.02	-0.42	-0.38	-0.37	-0.35	-0.32	4034	1.0
y_mean[318]	-0.48	4.9e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.42	3624	1.0
y_mean[319]	-0.42	4.2e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	3952	1.0
y_mean[320]	0.34	7.2e-4	0.05	0.25	0.3	0.33	0.37	0.43	4089	1.0
y_mean[321]	-0.17	4.7e-4	0.03	-0.23	-0.19	-0.17	-0.15	-0.11	3658	1.0
y_mean[322]	0.45	4.9e-4	0.03	0.39	0.43	0.45	0.47	0.51	4373	1.0
y_mean[323]	-0.52	1.0e-3	0.06	-0.64	-0.56	-0.52	-0.48	-0.4	3402	1.0
y_mean[324]	-0.23	6.1e-4	0.03	-0.3	-0.25	-0.23	-0.21	-0.16	3343	1.0
y_mean[325]	-0.21	6.6e-4	0.04	-0.28	-0.23	-0.21	-0.18	-0.13	3607	1.0
y_mean[326]	-0.31	6.2e-4	0.04	-0.39	-0.34	-0.31	-0.28	-0.23	3974	1.0
y_mean[327]	-0.49	1.1e-3	0.05	-0.6	-0.52	-0.49	-0.45	-0.38	2627	1.0
y_mean[328]	0.37	4.9e-4	0.03	0.31	0.35	0.37	0.39	0.44	4471	1.0
y_mean[329]	-0.8	1.5e-3	0.08	-0.96	-0.86	-0.8	-0.75	-0.64	3049	1.0
y_mean[330]	0.06	7.9e-4	0.05	-0.04	0.03	0.06	0.09	0.16	4156	1.0
y_mean[331]	0.4	4.6e-4	0.03	0.34	0.38	0.4	0.42	0.45	3994	1.0
y_mean[332]	0.39	6.3e-4	0.04	0.31	0.36	0.39	0.41	0.47	4247	1.0
y_mean[333]	-0.33	3.5e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	3544	1.0
y_mean[334]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3183	1.0
y_mean[335]	0.28	6.6e-4	0.04	0.2	0.25	0.28	0.31	0.36	4045	1.0
y_mean[336]	0.15	5.8e-4	0.03	0.09	0.13	0.15	0.18	0.22	3593	1.0
y_mean[337]	-0.37	7.2e-4	0.04	-0.45	-0.39	-0.37	-0.34	-0.29	2944	1.0
y_mean[338]	0.61	5.4e-4	0.04	0.53	0.58	0.61	0.63	0.68	4786	1.0
y_mean[339]	0.76	4.5e-4	0.03	0.7	0.74	0.76	0.78	0.82	4555	1.0
y_mean[340]	0.07	5.0e-4	0.03	0.01	0.05	0.07	0.09	0.13	3791	1.0
y_mean[341]	0.31	4.9e-4	0.03	0.25	0.29	0.31	0.33	0.37	4154	1.0
y_mean[342]	-0.36	3.9e-4	0.02	-0.41	-0.38	-0.36	-0.35	-0.32	3757	1.0
y_mean[343]	0.02	4.8e-4	0.03	-0.04	-4.1e-3	0.02	0.04	0.07	3884	1.0
y_mean[344]	-0.14	7.3e-4	0.04	-0.22	-0.17	-0.14	-0.11	-0.06	3166	1.0
y_mean[345]	-0.82	1.3e-3	0.08	-0.97	-0.87	-0.82	-0.77	-0.67	3312	1.0
y_mean[346]	-0.42	6.6e-4	0.04	-0.5	-0.45	-0.42	-0.39	-0.34	3923	1.0
y_mean[347]	2.01	1.5e-3	0.09	1.83	1.95	2.01	2.08	2.19	4011	1.0
y_mean[348]	-0.48	3.8e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3161	1.0
y_mean[349]	-0.72	6.1e-4	0.04	-0.79	-0.75	-0.72	-0.7	-0.65	3361	1.0
y_mean[350]	1.18	7.0e-4	0.05	1.09	1.15	1.18	1.21	1.27	4622	1.0
y_mean[351]	-0.45	5.5e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.38	3441	1.0
y_mean[352]	0.01	4.7e-4	0.03	-0.04	-9.0e-3	0.01	0.03	0.07	3898	1.0
y_mean[353]	3.7e-3	6.8e-4	0.04	-0.07	-0.02	3.8e-3	0.03	0.07	2939	1.0
y_mean[354]	0.77	8.2e-4	0.06	0.66	0.73	0.77	0.81	0.88	4537	1.0
y_mean[355]	2.1	1.2e-3	0.08	1.95	2.05	2.1	2.15	2.26	4001	1.0
y_mean[356]	0.26	7.3e-4	0.05	0.17	0.23	0.26	0.3	0.36	4556	1.0
y_mean[357]	-0.03	4.7e-4	0.03	-0.08	-0.05	-0.03	-7.7e-3	0.03	4010	1.0
y_mean[358]	-0.21	7.7e-4	0.05	-0.3	-0.24	-0.21	-0.18	-0.12	3545	1.0
y_mean[359]	-0.77	8.5e-4	0.05	-0.87	-0.81	-0.77	-0.74	-0.67	3758	1.0
y_mean[360]	-0.78	7.6e-4	0.05	-0.87	-0.81	-0.78	-0.75	-0.69	3755	1.0

y_mean[361]	-0.38	7.7e-4	0.04	-0.45	-0.4	-0.38	-0.35	-0.3	2567	1.0
y_mean[362]	-0.74	5.8e-4	0.03	-0.8	-0.76	-0.74	-0.71	-0.67	3594	1.0
y_mean[363]	-0.08	4.4e-4	0.02	-0.13	-0.1	-0.08	-0.06	-0.03	2986	1.0
y_mean[364]	-0.46	4.5e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	2726	1.0
y_mean[365]	3.69	2.2e-3	0.13	3.44	3.61	3.69	3.78	3.95	3494	1.0
y_mean[366]	-0.05	8.6e-4	0.05	-0.15	-0.08	-0.05	-0.02	0.05	3268	1.0
y_mean[367]	-0.5	4.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	3252	1.0
y_mean[368]	0.04	4.3e-4	0.03	-0.01	0.02	0.04	0.05	0.09	3673	1.0
y_mean[369]	-0.12	4.3e-4	0.03	-0.18	-0.14	-0.12	-0.11	-0.07	3745	1.0
y_mean[370]	3.78	2.7e-3	0.17	3.45	3.66	3.78	3.89	4.1	3749	1.0
y_mean[371]	-0.05	4.3e-4	0.03	-0.1	-0.06	-0.05	-0.03	5.2e-3	3646	1.0
y_mean[372]	-0.45	4.1e-4	0.03	-0.51	-0.47	-0.45	-0.44	-0.4	4327	1.0
y_mean[373]	1.24	7.4e-4	0.05	1.14	1.21	1.24	1.28	1.34	4891	1.0
y_mean[374]	-0.31	5.2e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.25	3344	1.0
y_mean[375]	0.35	5.0e-4	0.03	0.29	0.33	0.35	0.37	0.41	3962	1.0
y_mean[376]	-0.44	4.7e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.38	3534	1.0
y_mean[377]	0.43	8.4e-4	0.05	0.33	0.39	0.43	0.47	0.54	4119	1.0
y_mean[378]	-0.31	5.1e-4	0.03	-0.37	-0.33	-0.31	-0.29	-0.26	3363	1.0
y_mean[379]	-0.15	5.9e-4	0.04	-0.22	-0.18	-0.16	-0.13	-0.08	3779	1.0
y_mean[380]	-0.89	1.1e-3	0.07	-1.02	-0.93	-0.89	-0.84	-0.75	3628	1.0
y_mean[381]	-0.16	4.1e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.11	3582	1.0
y_mean[382]	1.33	6.9e-4	0.05	1.23	1.29	1.33	1.36	1.42	4723	1.0
y_mean[383]	0.03	5.4e-4	0.04	-0.03	8.4e-3	0.03	0.06	0.1	4243	1.0
y_mean[384]	-0.5	4.3e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	3653	1.0
y_mean[385]	-0.06	4.3e-4	0.03	-0.11	-0.08	-0.06	-0.05	-9.8e-3	3791	1.0
y_mean[386]	0.96	7.0e-4	0.05	0.86	0.93	0.96	1.0	1.07	5944	1.0
y_mean[387]	0.02	4.8e-4	0.03	-0.03	2.9e-3	0.02	0.04	0.08	3308	1.0
y_mean[388]	-0.67	8.1e-4	0.05	-0.76	-0.7	-0.67	-0.64	-0.58	3129	1.0
y_mean[389]	0.41	4.6e-4	0.03	0.35	0.39	0.41	0.43	0.47	4009	1.0
y_mean[390]	2.54	2.0e-3	0.13	2.29	2.45	2.54	2.63	2.8	4251	1.0
y_mean[391]	-0.36	5.9e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.29	3068	1.0
y_mean[392]	0.1	4.3e-4	0.03	0.05	0.08	0.1	0.12	0.15	3591	1.0
y_mean[393]	-0.29	6.9e-4	0.04	-0.36	-0.31	-0.29	-0.27	-0.22	2684	1.0
y_mean[394]	-0.47	3.1e-4	0.02	-0.5	-0.48	-0.47	-0.45	-0.43	4001	1.0
y_mean[395]	-0.74	6.3e-4	0.04	-0.81	-0.76	-0.74	-0.71	-0.66	3517	1.0
y_mean[396]	0.29	9.0e-4	0.05	0.19	0.26	0.29	0.33	0.4	3674	1.0
y_mean[397]	-0.43	4.2e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.38	3672	1.0
y_mean[398]	0.2	6.7e-4	0.04	0.13	0.18	0.2	0.23	0.27	3036	1.0
y_mean[399]	0.04	4.9e-4	0.03	-0.01	0.02	0.04	0.06	0.1	3352	1.0
y_mean[400]	-0.67	6.9e-4	0.04	-0.75	-0.7	-0.67	-0.64	-0.59	3832	1.0
y_mean[401]	-0.17	4.9e-4	0.03	-0.23	-0.19	-0.17	-0.16	-0.12	3643	1.0
y_mean[402]	-0.46	4.0e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	3124	1.0
y_mean[403]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3021	1.0
y_mean[404]	1.15	7.7e-4	0.05	1.05	1.11	1.15	1.18	1.25	4386	1.0
y_mean[405]	0.09	4.6e-4	0.03	0.03	0.07	0.09	0.1	0.14	3549	1.0
y_mean[406]	-0.33	7.4e-4	0.04	-0.41	-0.36	-0.33	-0.31	-0.26	2765	1.0
y_mean[407]	-0.41	5.0e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.36	2892	1.0
y_mean[408]	0.31	4.8e-4	0.03	0.25	0.29	0.31	0.34	0.37	4255	1.0

y_mean[409]	0.07	3.8e-4	0.02	0.03	0.05	0.07	0.09	0.12	3757	1.0
y_mean[410]	-0.16	4.5e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.11	3666	1.0
y_mean[411]	1.92	1.1e-3	0.07	1.79	1.88	1.92	1.97	2.05	3796	1.0
y_mean[412]	-0.19	4.8e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3671	1.0
y_mean[413]	-0.39	5.4e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	2979	1.0
y_mean[414]	0.86	5.4e-4	0.04	0.79	0.83	0.86	0.88	0.92	4275	1.0
y_mean[415]	-0.38	5.4e-4	0.03	-0.44	-0.4	-0.38	-0.35	-0.31	3319	1.0
y_mean[416]	-0.49	4.2e-4	0.02	-0.54	-0.5	-0.49	-0.47	-0.44	3262	1.0
y_mean[417]	2.16	1.9e-3	0.13	1.92	2.08	2.17	2.25	2.42	4544	1.0
y_mean[418]	-0.42	5.8e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.37	2703	1.0
y_mean[419]	-0.52	5.7e-4	0.03	-0.58	-0.54	-0.51	-0.49	-0.45	3516	1.0
y_mean[420]	-0.16	4.5e-4	0.03	-0.21	-0.18	-0.16	-0.14	-0.11	3279	1.0
y_mean[421]	0.21	5.6e-4	0.03	0.15	0.19	0.21	0.23	0.28	3380	1.0
y_mean[422]	-0.57	8.2e-4	0.04	-0.66	-0.6	-0.57	-0.54	-0.49	2897	1.0
y_mean[423]	-0.5	6.3e-4	0.04	-0.58	-0.53	-0.5	-0.48	-0.43	3623	1.0
y_mean[424]	-0.08	4.1e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.03	3453	1.0
y_mean[425]	-0.48	3.8e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3174	1.0
y_mean[426]	0.44	4.6e-4	0.03	0.38	0.42	0.44	0.46	0.5	3997	1.0
y_mean[427]	-0.41	3.5e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	3938	1.0
y_mean[428]	-0.11	4.1e-4	0.03	-0.16	-0.13	-0.11	-0.09	-0.06	3701	1.0
y_mean[429]	0.47	4.7e-4	0.03	0.41	0.45	0.47	0.49	0.53	4221	1.0
y_mean[430]	-0.07	5.9e-4	0.03	-0.13	-0.09	-0.07	-0.05	-3.8e-3	2889	1.0
y_mean[431]	0.47	6.3e-4	0.04	0.39	0.44	0.47	0.49	0.54	3772	1.0
y_mean[432]	-0.25	4.6e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.2	3353	1.0
y_mean[433]	-0.45	5.4e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.39	3247	1.0
y_mean[434]	-0.05	4.8e-4	0.03	-0.1	-0.07	-0.05	-0.03	0.01	4022	1.0
y_mean[435]	9.0e-3	3.6e-4	0.02	-0.03	-6.0e-3	9.0e-3	0.02	0.05	3876	1.0
y_mean[436]	-0.35	5.1e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.29	3365	1.0
y_mean[437]	-0.51	4.8e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3610	1.0
y_mean[438]	-2.9e-3	8.1e-4	0.04	-0.09	-0.03	-2.6e-3	0.03	0.08	2876	1.0
y_mean[439]	-0.5	4.8e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.44	3466	1.0
y_mean[440]	0.73	7.4e-4	0.05	0.65	0.7	0.73	0.77	0.83	4038	1.0
y_mean[441]	-0.15	4.0e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	3466	1.0
y_mean[442]	-0.49	5.2e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3642	1.0
y_mean[443]	-0.36	5.5e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.29	3350	1.0
y_mean[444]	-0.67	7.9e-4	0.04	-0.76	-0.7	-0.67	-0.64	-0.59	3130	1.0
y_mean[445]	-0.31	8.4e-4	0.04	-0.39	-0.34	-0.31	-0.28	-0.23	2380	1.0
y_mean[446]	0.67	7.2e-4	0.05	0.59	0.64	0.67	0.7	0.76	3964	1.0
y_mean[447]	-0.44	4.4e-4	0.03	-0.48	-0.45	-0.44	-0.42	-0.38	3347	1.0
y_mean[448]	0.21	7.6e-4	0.05	0.11	0.17	0.21	0.24	0.3	4198	1.0
y_mean[449]	0.99	8.6e-4	0.06	0.88	0.95	0.99	1.03	1.11	4584	1.0
y_mean[450]	2.0	1.4e-3	0.08	1.85	1.95	2.0	2.06	2.16	3199	1.0
y_mean[451]	0.79	6.3e-4	0.04	0.71	0.76	0.79	0.82	0.88	4483	1.0
y_mean[452]	0.31	7.0e-4	0.04	0.22	0.28	0.31	0.34	0.39	3937	1.0
y_mean[453]	0.31	4.9e-4	0.03	0.25	0.29	0.31	0.33	0.37	4154	1.0
y_mean[454]	0.64	7.6e-4	0.05	0.55	0.61	0.64	0.67	0.73	3879	1.0
y_mean[455]	0.44	4.6e-4	0.03	0.38	0.42	0.44	0.46	0.49	3978	1.0
y_mean[456]	-0.39	4.5e-4	0.03	-0.44	-0.4	-0.39	-0.37	-0.34	3173	1.0

y_mean[457]	0.57	5.9e-4	0.04	0.49	0.54	0.57	0.59	0.64	4186	1.0
y_mean[458]	0.89	7.5e-4	0.06	0.78	0.86	0.89	0.93	1.01	5620	1.0
y_mean[459]	-0.09	6.7e-4	0.04	-0.16	-0.11	-0.09	-0.06	-0.01	3150	1.0
y_mean[460]	-0.22	6.5e-4	0.04	-0.29	-0.24	-0.22	-0.19	-0.14	3482	1.0
y_mean[461]	-0.75	7.2e-4	0.04	-0.84	-0.78	-0.75	-0.73	-0.67	3846	1.0
y_mean[462]	-0.05	5.6e-4	0.03	-0.12	-0.08	-0.05	-0.03	0.01	3555	1.0
y_mean[463]	-0.74	6.5e-4	0.04	-0.82	-0.77	-0.74	-0.72	-0.66	3997	1.0
y_mean[464]	-0.09	5.5e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.03	2852	1.0
y_mean[465]	-0.39	7.3e-4	0.04	-0.46	-0.41	-0.39	-0.36	-0.31	2645	1.0
y_mean[466]	-0.72	5.8e-4	0.04	-0.79	-0.74	-0.71	-0.69	-0.65	3764	1.0
y_mean[467]	0.4	4.8e-4	0.03	0.34	0.38	0.4	0.42	0.46	3945	1.0
y_mean[468]	-0.69	5.9e-4	0.03	-0.75	-0.71	-0.69	-0.66	-0.62	3464	1.0
y_mean[469]	-0.03	4.5e-4	0.03	-0.08	-0.04	-0.03	-0.01	0.02	3214	1.0
y_mean[470]	-0.12	4.0e-4	0.02	-0.17	-0.14	-0.12	-0.1	-0.07	3541	1.0
y_mean[471]	1.7	7.0e-4	0.05	1.6	1.66	1.7	1.73	1.78	4243	1.0
y_mean[472]	-0.44	6.1e-4	0.04	-0.51	-0.46	-0.44	-0.42	-0.37	3351	1.0
y_mean[473]	-0.13	4.0e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	3317	1.0
y_mean[474]	-0.36	5.9e-4	0.03	-0.43	-0.38	-0.36	-0.34	-0.3	2726	1.0
y_mean[475]	2.0	8.8e-4	0.06	1.89	1.96	2.0	2.04	2.12	4550	1.0
y_mean[476]	0.25	7.3e-4	0.05	0.17	0.22	0.25	0.28	0.34	3828	1.0
y_mean[477]	-0.12	4.4e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.07	3016	1.0
y_mean[478]	-0.08	5.4e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.02	2847	1.0
y_mean[479]	-0.45	4.1e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3320	1.0
y_mean[480]	-0.5	4.1e-4	0.02	-0.55	-0.52	-0.5	-0.48	-0.45	3431	1.0
y_mean[481]	-0.48	4.2e-4	0.02	-0.53	-0.49	-0.48	-0.46	-0.43	3380	1.0
y_mean[482]	1.6e-3	4.6e-4	0.03	-0.05	-0.02	1.0e-3	0.02	0.06	3495	1.0
y_mean[483]	-0.52	6.2e-4	0.04	-0.6	-0.55	-0.52	-0.5	-0.45	3444	1.0
y_mean[484]	-0.5	4.4e-4	0.03	-0.56	-0.52	-0.5	-0.49	-0.45	3647	1.0
y_mean[485]	-0.09	5.5e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.03	2854	1.0
y_mean[486]	-0.52	7.8e-4	0.05	-0.61	-0.55	-0.52	-0.49	-0.43	3386	1.0
y_mean[487]	-0.47	4.1e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.42	3484	1.0
y_mean[488]	-0.47	4.5e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.42	3089	1.0
y_mean[489]	-0.33	4.2e-4	0.03	-0.38	-0.34	-0.33	-0.31	-0.27	3846	1.0
y_mean[490]	2.13	8.9e-4	0.06	2.01	2.09	2.13	2.17	2.24	4279	1.0
y_mean[491]	-0.51	5.6e-4	0.03	-0.57	-0.53	-0.51	-0.48	-0.44	3581	1.0
y_mean[492]	0.22	5.3e-4	0.04	0.15	0.2	0.22	0.25	0.29	4524	1.0
y_mean[493]	0.81	8.0e-4	0.05	0.7	0.77	0.81	0.84	0.91	4731	1.0
y_mean[494]	-0.2	5.5e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.13	3709	1.0
y_mean[495]	-0.49	4.1e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3394	1.0
y_mean[496]	-0.76	6.1e-4	0.04	-0.83	-0.78	-0.76	-0.73	-0.68	3783	1.0
y_mean[497]	-0.03	4.5e-4	0.03	-0.08	-0.05	-0.03	-0.01	0.02	3850	1.0
y_mean[498]	-0.49	1.2e-3	0.07	-0.62	-0.53	-0.49	-0.44	-0.35	3451	1.0
y_mean[499]	0.48	4.9e-4	0.03	0.42	0.46	0.48	0.5	0.54	4299	1.0
y_mean[500]	0.39	4.6e-4	0.03	0.34	0.37	0.39	0.41	0.45	4049	1.0
y_mean[501]	-0.08	3.5e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.03	3681	1.0
y_mean[502]	0.35	7.9e-4	0.04	0.27	0.32	0.35	0.38	0.44	3030	1.0
y_mean[503]	0.44	4.8e-4	0.03	0.38	0.42	0.44	0.46	0.5	3979	1.0
y_mean[504]	-0.71	7.4e-4	0.04	-0.8	-0.74	-0.71	-0.68	-0.63	3578	1.0

y_mean[505]	-0.12	4.2e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.07	3098	1.0
y_mean[506]	-0.43	9.6e-4	0.06	-0.55	-0.47	-0.43	-0.39	-0.32	3669	1.0
y_mean[507]	-0.41	6.4e-4	0.03	-0.48	-0.43	-0.41	-0.39	-0.34	2803	1.0
y_mean[508]	-0.04	6.5e-4	0.04	-0.11	-0.06	-0.04	-0.01	0.04	3202	1.0
y_mean[509]	-0.44	3.3e-4	0.02	-0.48	-0.45	-0.44	-0.43	-0.4	4365	1.0
y_mean[510]	-0.16	4.1e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	3488	1.0
y_mean[511]	0.97	1.0e-3	0.07	0.83	0.92	0.97	1.02	1.11	5037	1.0
y_mean[512]	0.2	7.4e-4	0.04	0.12	0.17	0.2	0.23	0.29	3640	1.0
y_mean[513]	0.13	4.6e-4	0.03	0.07	0.11	0.13	0.15	0.18	3555	1.0
y_mean[514]	-0.5	4.1e-4	0.02	-0.55	-0.52	-0.5	-0.48	-0.45	3582	1.0
y_mean[515]	-0.06	4.4e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	3017	1.0
y_mean[516]	0.44	6.5e-4	0.04	0.36	0.41	0.44	0.46	0.52	3757	1.0
y_mean[517]	-0.19	4.8e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3685	1.0
y_mean[518]	-0.48	3.9e-4	0.02	-0.52	-0.5	-0.48	-0.47	-0.44	2991	1.0
y_mean[519]	-0.46	5.2e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3786	1.0
y_mean[520]	-0.48	4.1e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3333	1.0
y_mean[521]	1.26	6.1e-4	0.04	1.18	1.23	1.26	1.28	1.33	3776	1.0
y_mean[522]	-0.76	6.7e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3862	1.0
y_mean[523]	-0.18	5.3e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	3263	1.0
y_mean[524]	1.62	1.2e-3	0.09	1.45	1.56	1.62	1.68	1.8	5471	1.0
y_mean[525]	-0.33	4.7e-4	0.03	-0.39	-0.35	-0.33	-0.32	-0.28	3096	1.0
y_mean[526]	-0.35	4.3e-4	0.02	-0.4	-0.37	-0.35	-0.33	-0.3	3317	1.0
y_mean[527]	-0.43	5.6e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	2692	1.0
y_mean[528]	-0.44	4.1e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.39	3781	1.0
y_mean[529]	-0.5	4.4e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	3674	1.0
y_mean[530]	-0.3	4.5e-4	0.03	-0.35	-0.32	-0.3	-0.28	-0.25	3210	1.0
y_mean[531]	0.16	4.9e-4	0.03	0.1	0.14	0.16	0.18	0.21	3472	1.0
y_mean[532]	-0.72	6.1e-4	0.04	-0.8	-0.75	-0.72	-0.7	-0.65	4140	1.0
y_mean[533]	-0.19	5.0e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3644	1.0
y_mean[534]	-0.47	4.9e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.41	3677	1.0
y_mean[535]	-0.04	4.3e-4	0.03	-0.09	-0.06	-0.04	-0.03	8.2e-3	3407	1.0
y_mean[536]	-0.43	6.7e-4	0.04	-0.5	-0.45	-0.43	-0.4	-0.35	3335	1.0
y_mean[537]	2.07	1.2e-3	0.08	1.91	2.01	2.07	2.13	2.23	4807	1.0
y_mean[538]	0.1	4.0e-4	0.02	0.05	0.08	0.1	0.11	0.14	3772	1.0
y_mean[539]	0.51	6.9e-4	0.04	0.42	0.48	0.51	0.54	0.59	3962	1.0
y_mean[540]	1.46	8.0e-4	0.05	1.35	1.42	1.45	1.49	1.56	4539	1.0
y_mean[541]	0.57	4.8e-4	0.03	0.51	0.54	0.57	0.59	0.62	4036	1.0
y_mean[542]	-0.48	4.2e-4	0.02	-0.53	-0.5	-0.48	-0.46	-0.43	3394	1.0
y_mean[543]	1.15	9.5e-4	0.06	1.02	1.1	1.15	1.19	1.27	4224	1.0
y_mean[544]	6.59	4.7e-3	0.27	6.04	6.42	6.6	6.78	7.11	3246	1.0
y_mean[545]	-0.32	6.9e-4	0.04	-0.41	-0.35	-0.32	-0.29	-0.23	4130	1.0
y_mean[546]	-0.49	4.0e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3161	1.0
y_mean[547]	-0.45	5.3e-4	0.03	-0.51	-0.48	-0.45	-0.43	-0.39	3321	1.0
y_mean[548]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	3184	1.0
y_mean[549]	-0.42	7.3e-4	0.04	-0.49	-0.44	-0.42	-0.39	-0.34	3054	1.0
y_mean[550]	-0.44	4.9e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.38	3523	1.0
y_mean[551]	-0.35	9.9e-4	0.05	-0.46	-0.39	-0.35	-0.32	-0.25	2793	1.0
y_mean[552]	-0.92	1.1e-3	0.07	-1.05	-0.96	-0.92	-0.87	-0.78	3693	1.0

y_mean[553]	-0.93	1.3e-3	0.08	-1.08	-0.99	-0.93	-0.88	-0.78	3528	1.0
y_mean[554]	-0.66	8.2e-4	0.05	-0.75	-0.69	-0.66	-0.62	-0.56	3283	1.0
y_mean[555]	0.91	7.5e-4	0.05	0.82	0.88	0.91	0.95	1.01	4046	1.0
y_mean[556]	-0.48	5.4e-4	0.03	-0.55	-0.5	-0.48	-0.46	-0.42	3799	1.0
y_mean[557]	1.13	6.4e-4	0.04	1.05	1.1	1.13	1.16	1.22	4534	1.0
y_mean[558]	-0.37	4.4e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3162	1.0
y_mean[559]	-0.45	4.3e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	2739	1.0
y_mean[560]	0.45	5.5e-4	0.04	0.38	0.43	0.45	0.47	0.52	4045	1.0
y_mean[561]	-0.05	8.9e-4	0.05	-0.16	-0.09	-0.05	-0.02	0.05	3627	1.0
y_mean[562]	-0.44	5.8e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.38	2887	1.0
y_mean[563]	-0.46	5.3e-4	0.03	-0.52	-0.48	-0.46	-0.43	-0.39	3495	1.0
y_mean[564]	-0.29	8.0e-4	0.04	-0.37	-0.31	-0.29	-0.26	-0.21	2578	1.0
y_mean[565]	-4.9e-4	8.1e-4	0.04	-0.09	-0.03	-2.7e-4	0.03	0.09	2882	1.0
y_mean[566]	-0.44	5.4e-4	0.03	-0.5	-0.46	-0.44	-0.41	-0.37	4159	1.0
y_mean[567]	1.8	1.3e-3	0.08	1.65	1.75	1.8	1.86	1.95	3761	1.0
y_mean[568]	-0.16	4.1e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	3561	1.0
y_mean[569]	0.49	5.6e-4	0.04	0.41	0.46	0.48	0.51	0.56	4213	1.0
y_mean[570]	0.14	6.8e-4	0.04	0.07	0.12	0.14	0.17	0.22	2997	1.0
y_mean[571]	1.13	6.3e-4	0.04	1.05	1.1	1.14	1.16	1.22	5014	1.0
y_mean[572]	-0.73	5.8e-4	0.03	-0.8	-0.76	-0.73	-0.71	-0.67	3544	1.0
y_mean[573]	-0.15	6.9e-4	0.04	-0.22	-0.17	-0.15	-0.13	-0.08	2780	1.0
y_mean[574]	-0.41	4.7e-4	0.03	-0.46	-0.42	-0.41	-0.39	-0.35	3220	1.0
y_mean[575]	-0.22	7.2e-4	0.04	-0.3	-0.25	-0.22	-0.19	-0.13	3680	1.0
y_mean[576]	0.16	6.3e-4	0.04	0.09	0.14	0.16	0.19	0.24	3859	1.0
y_mean[577]	2.67	2.0e-3	0.13	2.41	2.59	2.67	2.76	2.93	4112	1.0
y_mean[578]	-0.14	4.8e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.08	3776	1.0
y_mean[579]	-0.18	7.2e-4	0.04	-0.25	-0.2	-0.18	-0.15	-0.09	3127	1.0
y_mean[580]	-0.71	9.0e-4	0.06	-0.82	-0.75	-0.71	-0.68	-0.6	3852	1.0
y_mean[581]	-0.36	5.4e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.3	2871	1.0
y_mean[582]	-0.15	4.8e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.09	3712	1.0
y_mean[583]	1.54	8.9e-4	0.06	1.43	1.5	1.54	1.58	1.66	4621	1.0
y_mean[584]	-0.21	6.2e-4	0.03	-0.27	-0.23	-0.21	-0.19	-0.14	2790	1.0
y_mean[585]	0.03	6.2e-4	0.04	-0.05	2.3e-3	0.03	0.05	0.1	3513	1.0
y_mean[586]	-0.47	4.2e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.42	3452	1.0
y_mean[587]	-0.64	7.1e-4	0.04	-0.71	-0.66	-0.64	-0.61	-0.56	3081	1.0
y_mean[588]	-0.73	5.6e-4	0.03	-0.8	-0.76	-0.73	-0.71	-0.67	3694	1.0
y_mean[589]	-0.05	4.3e-4	0.02	-0.1	-0.07	-0.05	-0.03	-3.3e-3	3192	1.0
y_mean[590]	-0.34	7.1e-4	0.04	-0.42	-0.37	-0.34	-0.32	-0.27	2525	1.0
y_mean[591]	0.08	7.7e-4	0.04	-2.9e-3	0.05	0.08	0.11	0.17	3270	1.0
y_mean[592]	-0.14	4.0e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	3463	1.0
y_mean[593]	1.03	9.3e-4	0.06	0.91	0.99	1.03	1.08	1.16	4851	1.0
y_mean[594]	-0.1	5.5e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.03	3893	1.0
y_mean[595]	0.49	4.6e-4	0.03	0.43	0.47	0.49	0.51	0.55	3978	1.0
y_mean[596]	0.38	9.4e-4	0.06	0.26	0.34	0.38	0.42	0.51	4364	1.0
y_mean[597]	-0.17	4.5e-4	0.03	-0.23	-0.19	-0.17	-0.16	-0.12	3538	1.0
y_mean[598]	0.38	4.6e-4	0.03	0.32	0.36	0.38	0.4	0.44	4070	1.0
y_mean[599]	-0.51	4.4e-4	0.03	-0.56	-0.53	-0.51	-0.49	-0.46	3631	1.0
y_mean[600]	-0.46	4.0e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	2931	1.0

y_mean[601]	-0.67	7.2e-4	0.04	-0.76	-0.7	-0.67	-0.65	-0.59	3423	1.0
y_mean[602]	-0.4	7.1e-4	0.04	-0.49	-0.43	-0.4	-0.37	-0.31	3823	1.0
y_mean[603]	-0.22	5.6e-4	0.03	-0.29	-0.24	-0.22	-0.2	-0.16	3027	1.0
y_mean[604]	-0.47	3.9e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	3123	1.0
y_mean[605]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3190	1.0
y_mean[606]	-0.49	4.2e-4	0.03	-0.54	-0.5	-0.49	-0.47	-0.44	3666	1.0
y_mean[607]	-0.16	4.1e-4	0.02	-0.21	-0.18	-0.16	-0.14	-0.11	3531	1.0
y_mean[608]	2.52	3.7e-3	0.25	2.04	2.34	2.52	2.69	3.02	4620	1.0
y_mean[609]	-0.11	4.0e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	3618	1.0
y_mean[610]	-0.69	7.8e-4	0.04	-0.77	-0.71	-0.69	-0.66	-0.6	3060	1.0
y_mean[611]	-0.67	1.0e-3	0.05	-0.77	-0.7	-0.67	-0.63	-0.57	2543	1.0
y_mean[612]	-0.45	4.2e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.4	3386	1.0
y_mean[613]	-0.41	6.1e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.35	2731	1.0
y_mean[614]	-0.04	4.4e-4	0.02	-0.09	-0.06	-0.04	-0.02	9.8e-3	3200	1.0
y_mean[615]	-0.52	5.3e-4	0.03	-0.58	-0.54	-0.52	-0.5	-0.46	3535	1.0
y_mean[616]	-0.38	5.4e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	3078	1.0
y_mean[617]	-0.76	6.1e-4	0.04	-0.84	-0.79	-0.76	-0.74	-0.69	3883	1.0
y_mean[618]	-0.49	4.0e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3227	1.0
y_mean[619]	-0.42	4.9e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.37	3332	1.0
y_mean[620]	-0.29	4.3e-4	0.02	-0.34	-0.31	-0.29	-0.28	-0.24	3292	1.0
y_mean[621]	-0.23	7.6e-4	0.04	-0.31	-0.26	-0.23	-0.21	-0.16	2791	1.0
y_mean[622]	-0.71	6.2e-4	0.04	-0.78	-0.73	-0.71	-0.68	-0.63	3505	1.0
y_mean[623]	-0.44	5.2e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.38	3857	1.0
y_mean[624]	0.04	4.9e-4	0.03	-0.02	0.02	0.04	0.06	0.09	3399	1.0
y_mean[625]	-0.73	6.5e-4	0.04	-0.81	-0.76	-0.73	-0.7	-0.65	4082	1.0
y_mean[626]	-0.14	4.0e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	3421	1.0
y_mean[627]	-0.73	5.9e-4	0.04	-0.8	-0.76	-0.73	-0.71	-0.67	3483	1.0
y_mean[628]	-0.52	6.1e-4	0.04	-0.6	-0.55	-0.52	-0.5	-0.45	3453	1.0
y_mean[629]	-0.44	6.0e-4	0.03	-0.5	-0.46	-0.44	-0.41	-0.37	2874	1.0
y_mean[630]	-0.69	6.5e-4	0.04	-0.77	-0.72	-0.69	-0.67	-0.62	3488	1.0
y_mean[631]	-0.08	4.9e-4	0.03	-0.14	-0.1	-0.08	-0.07	-0.03	2868	1.0
y_mean[632]	0.51	4.6e-4	0.03	0.45	0.49	0.51	0.53	0.57	3986	1.0
y_mean[633]	0.4	5.1e-4	0.03	0.34	0.38	0.4	0.42	0.46	3679	1.0
y_mean[634]	8.7e-3	8.9e-4	0.06	-0.1	-0.03	7.6e-3	0.05	0.13	4145	1.0
y_mean[635]	-0.2	6.5e-4	0.03	-0.27	-0.22	-0.2	-0.17	-0.13	2751	1.0
y_mean[636]	3.07	1.5e-3	0.1	2.87	3.0	3.07	3.13	3.26	4393	1.0
y_mean[637]	-0.23	7.0e-4	0.04	-0.32	-0.26	-0.23	-0.2	-0.14	4098	1.0
y_mean[638]	-0.19	4.9e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3693	1.0
y_mean[639]	-0.31	5.2e-4	0.03	-0.36	-0.33	-0.31	-0.29	-0.25	2887	1.0
y_mean[640]	-0.4	6.0e-4	0.03	-0.46	-0.42	-0.4	-0.37	-0.33	2859	1.0
y_mean[641]	-0.3	4.5e-4	0.03	-0.35	-0.32	-0.3	-0.29	-0.26	3175	1.0
y_mean[642]	-0.68	6.2e-4	0.04	-0.75	-0.71	-0.68	-0.66	-0.61	3263	1.0
y_mean[643]	0.02	7.2e-4	0.04	-0.06	-6.8e-3	0.02	0.05	0.1	2924	1.0
y_mean[644]	2.32	8.9e-4	0.06	2.21	2.29	2.32	2.36	2.43	4087	1.0
y_mean[645]	1.25	1.0e-3	0.07	1.12	1.2	1.25	1.29	1.38	4164	1.0
y_mean[646]	0.53	4.7e-4	0.03	0.47	0.51	0.53	0.55	0.59	4028	1.0
y_mean[647]	0.56	5.4e-4	0.04	0.49	0.54	0.56	0.58	0.63	4396	1.0
y_mean[648]	-0.34	6.0e-4	0.03	-0.41	-0.37	-0.34	-0.32	-0.28	3188	1.0

y_mean[649]	-0.03	4.1e-4	0.03	-0.08	-0.05	-0.03	-0.02	0.02	3771	1.0
y_mean[650]	-0.75	5.6e-4	0.03	-0.82	-0.77	-0.75	-0.72	-0.68	3848	1.0
y_mean[651]	-0.64	7.5e-4	0.04	-0.72	-0.66	-0.64	-0.61	-0.56	2877	1.0
y_mean[652]	-0.19	9.3e-4	0.05	-0.29	-0.22	-0.19	-0.16	-0.1	2525	1.0
y_mean[653]	-0.52	6.0e-4	0.04	-0.59	-0.55	-0.52	-0.5	-0.45	3466	1.0
y_mean[654]	-0.5	4.6e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.45	3665	1.0
y_mean[655]	0.62	5.3e-4	0.04	0.56	0.6	0.62	0.65	0.69	4466	1.0
y_mean[656]	0.19	6.8e-4	0.04	0.11	0.16	0.19	0.22	0.28	4108	1.0
y_mean[657]	-0.02	5.1e-4	0.03	-0.07	-0.04	-0.02	-1.9e-3	0.03	3016	1.0
y_mean[658]	-0.17	5.9e-4	0.04	-0.24	-0.2	-0.17	-0.15	-0.1	3504	1.0
y_mean[659]	-0.47	5.3e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.4	3848	1.0
y_mean[660]	-0.71	6.2e-4	0.04	-0.78	-0.73	-0.71	-0.69	-0.64	3391	1.0
y_mean[661]	0.09	8.3e-4	0.05	-10.0e-3	0.06	0.09	0.13	0.2	4227	1.0
y_mean[662]	-0.17	5.2e-4	0.03	-0.23	-0.19	-0.17	-0.15	-0.11	3509	1.0
y_mean[663]	-0.46	4.0e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	2849	1.0
y_mean[664]	-0.05	4.4e-4	0.02	-0.1	-0.07	-0.06	-0.04	-7.1e-3	3092	1.0
y_mean[665]	0.44	4.9e-4	0.03	0.38	0.42	0.44	0.46	0.5	4025	1.0
y_mean[666]	-0.48	5.4e-4	0.03	-0.55	-0.5	-0.48	-0.46	-0.42	3799	1.0
y_mean[667]	-0.76	5.9e-4	0.04	-0.83	-0.78	-0.76	-0.73	-0.69	3893	1.0
y_mean[668]	-0.49	4.3e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.44	3242	1.0
y_mean[669]	-0.46	4.8e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3738	1.0
y_mean[670]	-0.44	5.0e-4	0.03	-0.49	-0.46	-0.44	-0.42	-0.39	2675	1.0
y_mean[671]	0.11	8.0e-4	0.05	0.02	0.08	0.11	0.14	0.2	3317	1.0
y_mean[672]	-0.47	5.6e-4	0.03	-0.54	-0.5	-0.47	-0.45	-0.4	3854	1.0
y_mean[673]	-0.39	5.4e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	3038	1.0
y_mean[674]	-0.6	9.7e-4	0.06	-0.71	-0.64	-0.6	-0.56	-0.49	3308	1.0
y_mean[675]	-0.47	4.6e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.42	3153	1.0
y_mean[676]	-0.41	7.8e-4	0.04	-0.49	-0.44	-0.41	-0.38	-0.32	3193	1.0
y_mean[677]	0.63	5.1e-4	0.03	0.56	0.6	0.63	0.65	0.69	4069	1.0
y_mean[678]	0.15	5.8e-4	0.03	0.08	0.13	0.15	0.17	0.22	3684	1.0
y_mean[679]	-0.49	4.8e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3750	1.0
y_mean[680]	-0.47	5.3e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3845	1.0
y_mean[681]	-0.74	5.6e-4	0.04	-0.81	-0.77	-0.74	-0.72	-0.67	3992	1.0
y_mean[682]	1.28	6.9e-4	0.04	1.19	1.25	1.27	1.31	1.36	4038	1.0
y_mean[683]	-0.1	4.5e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.05	4028	1.0
y_mean[684]	-0.42	5.5e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.37	2701	1.0
y_mean[685]	0.55	4.8e-4	0.03	0.5	0.53	0.55	0.57	0.61	4009	1.0
y_mean[686]	-0.52	5.5e-4	0.03	-0.58	-0.54	-0.52	-0.5	-0.45	3506	1.0
y_mean[687]	-0.75	6.2e-4	0.04	-0.83	-0.78	-0.75	-0.73	-0.68	3739	1.0
y_mean[688]	-0.49	3.9e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3184	1.0
y_mean[689]	-0.32	7.9e-4	0.04	-0.4	-0.35	-0.32	-0.29	-0.25	2420	1.0
y_mean[690]	0.28	5.5e-4	0.03	0.22	0.26	0.28	0.3	0.34	3507	1.0
y_mean[691]	-0.34	5.9e-4	0.04	-0.42	-0.37	-0.34	-0.32	-0.27	3982	1.0
y_mean[692]	-0.1	8.1e-4	0.04	-0.19	-0.13	-0.1	-0.07	-0.01	2952	1.0
y_mean[693]	-0.48	4.0e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3173	1.0
y_mean[694]	0.28	6.6e-4	0.04	0.2	0.25	0.28	0.3	0.35	3167	1.0
y_mean[695]	-0.48	4.4e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.43	3341	1.0
y_mean[696]	1.29	8.1e-4	0.06	1.17	1.25	1.29	1.34	1.42	5926	1.0

y_mean[697]	0.24	6.3e-4	0.04	0.16	0.21	0.24	0.26	0.32	3944	1.0
y_mean[698]	0.69	7.1e-4	0.05	0.59	0.65	0.69	0.72	0.79	5412	1.0
y_mean[699]	0.08	5.1e-4	0.03	0.02	0.05	0.07	0.1	0.14	3695	1.0
y_mean[700]	-0.47	3.9e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	3132	1.0
y_mean[701]	-0.76	5.9e-4	0.04	-0.83	-0.78	-0.76	-0.73	-0.69	3878	1.0
y_mean[702]	-0.12	4.5e-4	0.02	-0.17	-0.13	-0.12	-0.1	-0.07	2982	1.0
y_mean[703]	-0.19	8.0e-4	0.04	-0.27	-0.22	-0.19	-0.16	-0.11	2570	1.0
y_mean[704]	-0.12	4.3e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	3042	1.0
y_mean[705]	0.2	6.1e-4	0.04	0.13	0.17	0.2	0.23	0.28	3836	1.0
y_mean[706]	-0.44	4.5e-4	0.02	-0.49	-0.46	-0.44	-0.42	-0.4	2746	1.0
y_mean[707]	-0.5	5.8e-4	0.03	-0.57	-0.52	-0.5	-0.48	-0.43	3625	1.0
y_mean[708]	-0.49	5.3e-4	0.03	-0.56	-0.51	-0.49	-0.47	-0.43	3736	1.0
y_mean[709]	1.21	6.5e-4	0.05	1.12	1.18	1.21	1.24	1.3	4917	1.0
y_mean[710]	-0.41	7.6e-4	0.04	-0.49	-0.44	-0.41	-0.38	-0.33	3145	1.0
y_mean[711]	1.53	7.7e-4	0.05	1.43	1.5	1.53	1.57	1.64	4784	1.0
y_mean[712]	0.91	8.1e-4	0.05	0.81	0.87	0.91	0.94	1.01	3869	1.0
y_mean[713]	0.86	6.6e-4	0.04	0.78	0.83	0.86	0.89	0.95	4143	1.0
y_mean[714]	-0.47	4.5e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.41	4093	1.0
y_mean[715]	-0.26	4.3e-4	0.03	-0.31	-0.27	-0.26	-0.24	-0.21	3499	1.0
y_mean[716]	-0.5	4.7e-4	0.03	-0.56	-0.52	-0.5	-0.49	-0.45	3633	1.0
y_mean[717]	-0.34	3.5e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.3	3598	1.0
y_mean[718]	-0.45	4.9e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	2712	1.0
y_mean[719]	8.7e-3	4.8e-4	0.03	-0.04	-10.0e-3	8.1e-3	0.03	0.06	3210	1.0
y_mean[720]	-0.5	5.8e-4	0.03	-0.57	-0.53	-0.5	-0.48	-0.44	3601	1.0
y_mean[721]	1.2	1.0e-3	0.07	1.07	1.16	1.2	1.25	1.34	4267	1.0
y_mean[722]	-0.46	4.1e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3129	1.0
y_mean[723]	-0.26	5.5e-4	0.03	-0.32	-0.28	-0.26	-0.24	-0.2	3288	1.0
y_mean[724]	-0.46	4.1e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	2771	1.0
y_mean[725]	-0.76	6.6e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3887	1.0
y_mean[726]	-0.5	4.3e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	3675	1.0
y_mean[727]	-0.1	5.6e-4	0.03	-0.15	-0.12	-0.1	-0.08	-0.04	2861	1.0
y_mean[728]	-0.41	7.7e-4	0.04	-0.49	-0.43	-0.41	-0.38	-0.32	3002	1.0
y_mean[729]	-8.1e-3	4.5e-4	0.03	-0.06	-0.03	-8.8e-3	9.6e-3	0.05	3566	1.0
y_mean[730]	0.05	5.6e-4	0.03	-0.01	0.03	0.05	0.08	0.12	3658	1.0
y_mean[731]	-0.39	5.1e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.33	3317	1.0
y_mean[732]	-0.2	8.2e-4	0.04	-0.29	-0.23	-0.2	-0.18	-0.12	2617	1.0
y_mean[733]	0.4	8.6e-4	0.05	0.3	0.37	0.4	0.44	0.51	4113	1.0
y_mean[734]	8.62	5.0e-3	0.31	8.01	8.41	8.62	8.83	9.23	3885	1.0
y_mean[735]	0.04	5.2e-4	0.03	-0.02	0.02	0.04	0.06	0.11	4131	1.0
y_mean[736]	-0.44	6.3e-4	0.04	-0.51	-0.46	-0.44	-0.41	-0.36	3415	1.0
y_mean[737]	-0.24	6.4e-4	0.03	-0.31	-0.26	-0.24	-0.22	-0.18	2682	1.0
y_mean[738]	-0.7	6.5e-4	0.04	-0.78	-0.72	-0.7	-0.67	-0.61	4267	1.0
y_mean[739]	-0.11	4.6e-4	0.02	-0.16	-0.13	-0.11	-0.09	-0.06	2928	1.0
y_mean[740]	-0.06	4.3e-4	0.02	-0.11	-0.08	-0.06	-0.04	-0.01	3189	1.0
y_mean[741]	1.64	1.8e-3	0.11	1.42	1.56	1.64	1.72	1.86	4006	1.0
y_mean[742]	-0.35	8.5e-4	0.04	-0.43	-0.38	-0.35	-0.32	-0.27	2402	1.0
y_mean[743]	1.56	9.6e-4	0.07	1.44	1.52	1.56	1.61	1.69	4626	1.0
y_mean[744]	0.28	5.0e-4	0.03	0.22	0.26	0.28	0.3	0.34	3942	1.0

y_mean[745]	-0.14	4.7e-4	0.03	-0.19	-0.15	-0.14	-0.12	-0.09	3034	1.0
y_mean[746]	-0.72	5.8e-4	0.04	-0.79	-0.74	-0.72	-0.69	-0.65	3849	1.0
y_mean[747]	0.12	5.4e-4	0.03	0.06	0.1	0.12	0.15	0.19	3830	1.0
y_mean[748]	-0.73	5.7e-4	0.04	-0.8	-0.76	-0.73	-0.71	-0.66	4085	1.0
y_mean[749]	0.23	1.1e-3	0.07	0.1	0.18	0.23	0.28	0.37	4369	1.0
y_mean[750]	-0.49	4.0e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3221	1.0
y_mean[751]	-0.44	3.9e-4	0.03	-0.49	-0.45	-0.44	-0.42	-0.39	4251	1.0
y_mean[752]	2.27	1.5e-3	0.1	2.07	2.2	2.27	2.34	2.47	4710	1.0
y_mean[753]	-0.19	4.8e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3660	1.0
y_mean[754]	0.99	6.8e-4	0.05	0.9	0.96	0.98	1.02	1.07	4608	1.0
y_mean[755]	-0.18	8.0e-4	0.04	-0.26	-0.21	-0.18	-0.15	-0.1	2569	1.0
y_mean[756]	-0.04	3.3e-4	0.02	-0.08	-0.05	-0.04	-0.02	2.6e-3	3973	1.0
y_mean[757]	-0.63	9.3e-4	0.05	-0.74	-0.67	-0.63	-0.6	-0.53	3209	1.0
y_mean[758]	-0.39	5.2e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.32	3803	1.0
y_mean[759]	0.12	8.2e-4	0.05	0.03	0.09	0.12	0.15	0.21	3171	1.0
y_mean[760]	-0.46	4.8e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.41	3132	1.0
y_mean[761]	-0.35	5.6e-4	0.03	-0.42	-0.38	-0.35	-0.33	-0.29	3467	1.0
y_mean[762]	-0.36	5.5e-4	0.03	-0.42	-0.39	-0.36	-0.34	-0.3	3337	1.0
y_mean[763]	0.54	4.8e-4	0.03	0.49	0.52	0.54	0.56	0.6	4083	1.0
y_mean[764]	0.37	5.8e-4	0.04	0.3	0.34	0.37	0.39	0.44	3867	1.0
y_mean[765]	-0.04	4.6e-4	0.03	-0.09	-0.06	-0.04	-0.03	7.7e-3	3037	1.0
y_mean[766]	-0.4	7.1e-4	0.04	-0.47	-0.43	-0.4	-0.38	-0.33	2655	1.0
y_mean[767]	-0.17	4.3e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3599	1.0
y_mean[768]	0.42	5.2e-4	0.03	0.36	0.4	0.42	0.45	0.49	4096	1.0
y_mean[769]	-0.43	3.0e-4	0.02	-0.46	-0.44	-0.43	-0.42	-0.39	3699	1.0
y_mean[770]	-0.51	5.0e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3606	1.0
y_mean[771]	0.26	4.8e-4	0.03	0.2	0.24	0.26	0.28	0.32	3823	1.0
y_mean[772]	-0.47	4.7e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.42	3692	1.0
y_mean[773]	-0.19	5.0e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3672	1.0
y_mean[774]	-0.38	5.0e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	3336	1.0
y_mean[775]	-0.4	5.0e-4	0.03	-0.45	-0.42	-0.4	-0.38	-0.34	3129	1.0
y_mean[776]	-0.08	5.0e-4	0.03	-0.14	-0.1	-0.08	-0.07	-0.03	2858	1.0
y_mean[777]	-0.5	4.9e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.45	3641	1.0
y_mean[778]	-0.46	5.3e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.39	3459	1.0
y_mean[779]	-0.16	4.3e-4	0.02	-0.21	-0.18	-0.16	-0.14	-0.11	3348	1.0
y_mean[780]	-0.08	4.1e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	3279	1.0
y_mean[781]	-0.44	4.6e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	2796	1.0
y_mean[782]	-0.11	5.8e-4	0.03	-0.17	-0.13	-0.11	-0.09	-0.05	2872	1.0
y_mean[783]	-0.1	4.2e-4	0.03	-0.16	-0.12	-0.11	-0.09	-0.05	3769	1.0
y_mean[784]	-0.12	4.5e-4	0.02	-0.17	-0.14	-0.12	-0.1	-0.07	2989	1.0
y_mean[785]	-0.16	4.2e-4	0.02	-0.21	-0.18	-0.16	-0.15	-0.12	3554	1.0
y_mean[786]	1.76	1.1e-3	0.07	1.62	1.71	1.76	1.81	1.9	4219	1.0
y_mean[787]	0.21	5.5e-4	0.04	0.13	0.18	0.21	0.23	0.28	4545	1.0
y_mean[788]	-0.38	3.9e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	3418	1.0
y_mean[789]	-0.26	5.7e-4	0.03	-0.33	-0.29	-0.26	-0.24	-0.19	3728	1.0
y_mean[790]	1.02	6.1e-4	0.04	0.94	1.0	1.02	1.05	1.11	5176	1.0
y_mean[791]	-0.49	5.4e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.42	3760	1.0
y_mean[792]	-0.47	5.6e-4	0.03	-0.54	-0.5	-0.47	-0.45	-0.4	3861	1.0

y_mean[793]	-0.16	4.9e-4	0.03	-0.22	-0.18	-0.16	-0.15	-0.11	3367	1.0
y_mean[794]	0.43	7.2e-4	0.04	0.35	0.4	0.43	0.45	0.51	3443	1.0
y_mean[795]	-0.16	5.7e-4	0.03	-0.23	-0.18	-0.16	-0.14	-0.09	3619	1.0
y_mean[796]	-0.08	4.1e-4	0.02	-0.13	-0.1	-0.08	-0.07	-0.04	3261	1.0
y_mean[797]	-0.17	6.5e-4	0.04	-0.25	-0.2	-0.17	-0.15	-0.09	3707	1.0
y_mean[798]	-0.11	8.3e-4	0.05	-0.21	-0.15	-0.11	-0.08	-6.5e-3	4136	1.0
y_mean[799]	-0.07	5.3e-4	0.03	-0.13	-0.09	-0.07	-0.06	-0.02	2856	1.0
y_mean[800]	2.36	1.4e-3	0.09	2.19	2.31	2.36	2.43	2.53	3957	1.0
y_mean[801]	0.45	5.9e-4	0.04	0.38	0.43	0.45	0.48	0.52	3807	1.0
y_mean[802]	-0.67	7.0e-4	0.04	-0.75	-0.7	-0.67	-0.65	-0.59	3241	1.0
y_mean[803]	-0.33	6.0e-4	0.03	-0.4	-0.35	-0.33	-0.31	-0.27	2676	1.0
y_mean[804]	-0.14	6.0e-4	0.03	-0.2	-0.16	-0.14	-0.12	-0.07	3072	1.0
y_mean[805]	0.52	5.8e-4	0.04	0.44	0.49	0.52	0.54	0.59	4257	1.0
y_mean[806]	-0.46	4.0e-4	0.02	-0.5	-0.48	-0.46	-0.45	-0.42	3124	1.0
y_mean[807]	0.38	4.8e-4	0.03	0.32	0.36	0.38	0.4	0.44	3969	1.0
y_mean[808]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	3184	1.0
y_mean[809]	-0.47	4.1e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	2789	1.0
y_mean[810]	-0.05	4.4e-4	0.02	-0.1	-0.07	-0.05	-0.03	-1.3e-3	3075	1.0
y_mean[811]	-0.2	6.8e-4	0.04	-0.28	-0.23	-0.2	-0.17	-0.12	3649	1.0
y_mean[812]	-0.37	6.1e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.31	2684	1.0
y_mean[813]	-0.47	3.9e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	2938	1.0
y_mean[814]	-0.49	4.9e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3770	1.0
y_mean[815]	-0.14	4.4e-4	0.02	-0.19	-0.15	-0.14	-0.12	-0.09	3101	1.0
y_mean[816]	-0.46	4.4e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.4	3646	1.0
y_mean[817]	1.04	9.9e-4	0.06	0.92	0.99	1.04	1.08	1.17	4174	1.0
y_mean[818]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3504	1.0
y_mean[819]	0.24	8.0e-4	0.05	0.14	0.2	0.24	0.27	0.34	4026	1.0
y_mean[820]	-0.49	5.5e-4	0.03	-0.56	-0.51	-0.49	-0.47	-0.42	3749	1.0
y_mean[821]	-0.74	6.3e-4	0.04	-0.82	-0.77	-0.74	-0.72	-0.66	4012	1.0
y_mean[822]	-0.44	4.6e-4	0.02	-0.49	-0.46	-0.44	-0.42	-0.39	2761	1.0
y_mean[823]	-0.15	5.5e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.09	3251	1.0
y_mean[824]	-0.46	4.9e-4	0.03	-0.52	-0.48	-0.47	-0.44	-0.41	3545	1.0
y_mean[825]	0.78	9.9e-4	0.06	0.65	0.74	0.78	0.82	0.9	4273	1.0
y_mean[826]	-0.24	1.2e-3	0.06	-0.36	-0.28	-0.24	-0.19	-0.11	3079	1.0
y_mean[827]	-0.19	5.8e-4	0.03	-0.26	-0.21	-0.19	-0.17	-0.13	3075	1.0
y_mean[828]	-0.12	7.5e-4	0.04	-0.2	-0.15	-0.12	-0.1	-0.05	2706	1.0
y_mean[829]	-0.65	8.3e-4	0.05	-0.75	-0.68	-0.65	-0.62	-0.56	3320	1.0
y_mean[830]	0.38	4.6e-4	0.03	0.32	0.36	0.38	0.4	0.44	4080	1.0
y_mean[831]	0.13	8.3e-4	0.05	0.04	0.1	0.13	0.16	0.22	3177	1.0
y_mean[832]	0.35	4.7e-4	0.03	0.29	0.33	0.35	0.37	0.41	3749	1.0
y_mean[833]	-0.17	6.6e-4	0.04	-0.24	-0.19	-0.17	-0.14	-0.1	3005	1.0
y_mean[834]	0.18	1.1e-3	0.07	0.05	0.14	0.18	0.23	0.31	3784	1.0
y_mean[835]	1.17	1.0e-3	0.07	1.03	1.12	1.17	1.22	1.32	4880	1.0
y_mean[836]	-0.72	6.6e-4	0.04	-0.81	-0.75	-0.72	-0.69	-0.64	4105	1.0
y_mean[837]	-0.7	6.9e-4	0.04	-0.78	-0.73	-0.7	-0.68	-0.63	3155	1.0
y_mean[838]	5.1	4.6e-3	0.31	4.51	4.89	5.09	5.32	5.68	4455	1.0
y_mean[839]	-0.1	6.4e-4	0.04	-0.17	-0.13	-0.1	-0.08	-0.03	3071	1.0
y_mean[840]	-0.38	4.5e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.33	3476	1.0

y_mean[841]	-0.18	6.1e-4	0.04	-0.25	-0.2	-0.18	-0.15	-0.1	3785	1.0
y_mean[842]	-0.42	5.5e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.36	3244	1.0
y_mean[843]	-0.49	5.0e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3614	1.0
y_mean[844]	0.26	6.5e-4	0.04	0.18	0.23	0.26	0.29	0.34	3961	1.0
y_mean[845]	0.64	5.3e-4	0.03	0.57	0.61	0.64	0.66	0.7	4389	1.0
y_mean[846]	0.48	5.3e-4	0.03	0.42	0.46	0.48	0.51	0.55	3801	1.0
y_mean[847]	-0.13	4.1e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	3231	1.0
y_mean[848]	0.62	1.3e-3	0.08	0.45	0.56	0.62	0.67	0.78	4182	1.0
y_mean[849]	0.02	4.5e-4	0.03	-0.03	-3.4e-5	0.02	0.04	0.07	3535	1.0
y_mean[850]	-0.23	6.5e-4	0.03	-0.3	-0.26	-0.23	-0.21	-0.17	2660	1.0
y_mean[851]	4.6e-3	4.9e-4	0.03	-0.05	-0.01	4.4e-3	0.02	0.06	3144	1.0
y_mean[852]	-0.75	7.2e-4	0.04	-0.84	-0.78	-0.75	-0.73	-0.67	3846	1.0
y_mean[853]	-0.1	5.2e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	3806	1.0
y_mean[854]	-0.47	4.6e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.42	3217	1.0
y_mean[855]	-0.47	5.0e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3796	1.0
y_mean[856]	-0.68	8.5e-4	0.04	-0.77	-0.71	-0.68	-0.65	-0.59	2712	1.0
y_mean[857]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3185	1.0
y_mean[858]	-0.45	4.6e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.39	3595	1.0
y_mean[859]	-0.38	5.2e-4	0.03	-0.45	-0.41	-0.39	-0.36	-0.32	3638	1.0
y_mean[860]	-0.3	6.6e-4	0.03	-0.37	-0.32	-0.3	-0.28	-0.23	2678	1.0
y_mean[861]	-0.36	7.1e-4	0.04	-0.44	-0.39	-0.36	-0.34	-0.29	2961	1.0
y_mean[862]	-0.28	7.6e-4	0.04	-0.36	-0.3	-0.28	-0.25	-0.21	2487	1.0
y_mean[863]	-0.17	1.3e-3	0.09	-0.34	-0.23	-0.17	-0.11	0.01	5069	1.0
y_mean[864]	-0.03	7.5e-4	0.04	-0.11	-0.06	-0.03	2.3e-3	0.06	3342	1.0
y_mean[865]	-0.41	7.1e-4	0.04	-0.49	-0.44	-0.41	-0.39	-0.34	2915	1.0
y_mean[866]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3185	1.0
y_mean[867]	-0.13	4.1e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	3217	1.0
y_mean[868]	0.46	4.7e-4	0.03	0.4	0.44	0.46	0.48	0.51	3997	1.0
y_mean[869]	-0.34	5.9e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	2732	1.0
y_mean[870]	0.05	6.2e-4	0.03	-0.01	0.03	0.05	0.08	0.12	3151	1.0
y_mean[871]	-0.17	8.0e-4	0.04	-0.25	-0.2	-0.17	-0.14	-0.09	2590	1.0
y_mean[872]	-0.19	5.6e-4	0.03	-0.26	-0.22	-0.19	-0.17	-0.13	3570	1.0
y_mean[873]	-0.57	1.1e-3	0.05	-0.68	-0.61	-0.57	-0.53	-0.46	2621	1.0
y_mean[874]	-0.4	3.1e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	3974	1.0
y_mean[875]	0.83	5.8e-4	0.04	0.75	0.8	0.83	0.85	0.9	4283	1.0
y_mean[876]	0.68	7.9e-4	0.05	0.58	0.64	0.68	0.71	0.79	4634	1.0
y_mean[877]	-0.09	5.4e-4	0.03	-0.14	-0.1	-0.09	-0.07	-0.03	2846	1.0
y_mean[878]	-0.22	7.1e-4	0.04	-0.3	-0.25	-0.22	-0.2	-0.14	3667	1.0
y_mean[879]	-0.34	5.7e-4	0.03	-0.41	-0.37	-0.34	-0.32	-0.28	3384	1.0
y_mean[880]	-0.19	5.7e-4	0.03	-0.26	-0.21	-0.19	-0.17	-0.12	3665	1.0
y_mean[881]	-0.45	4.1e-4	0.02	-0.5	-0.47	-0.45	-0.43	-0.4	3201	1.0
y_mean[882]	-0.5	6.5e-4	0.04	-0.57	-0.52	-0.5	-0.47	-0.42	3616	1.0
y_mean[883]	-0.07	5.8e-4	0.04	-0.14	-0.09	-0.07	-0.04	4.9e-3	3979	1.0
y_mean[884]	0.65	4.6e-4	0.03	0.59	0.63	0.65	0.67	0.71	4372	1.0
y_mean[885]	-0.51	5.6e-4	0.03	-0.58	-0.53	-0.51	-0.49	-0.44	3558	1.0
y_mean[886]	-0.3	7.9e-4	0.04	-0.38	-0.33	-0.3	-0.27	-0.22	2492	1.0
y_mean[887]	-0.46	4.0e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	3144	1.0
y_mean[888]	-0.45	4.2e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	3008	1.0

y_mean[889]	1.28	7.0e-4	0.04	1.2	1.25	1.28	1.31	1.37	3868	1.0
y_mean[890]	-0.48	4.0e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3139	1.0
y_mean[891]	-0.46	6.7e-4	0.04	-0.54	-0.49	-0.46	-0.44	-0.38	3784	1.0
y_mean[892]	1.25	7.2e-4	0.06	1.14	1.21	1.25	1.29	1.35	5819	1.0
y_mean[893]	1.12	9.4e-4	0.06	1.01	1.08	1.12	1.17	1.25	4273	1.0
y_mean[894]	-0.38	4.4e-4	0.02	-0.43	-0.4	-0.38	-0.36	-0.33	3141	1.0
y_mean[895]	-0.12	5.7e-4	0.03	-0.19	-0.15	-0.12	-0.1	-0.06	3358	1.0
y_mean[896]	-0.48	9.3e-4	0.06	-0.58	-0.51	-0.48	-0.44	-0.36	3575	1.0
y_mean[897]	-0.44	4.4e-4	0.02	-0.48	-0.45	-0.44	-0.42	-0.39	2929	1.0
y_mean[898]	-0.32	6.5e-4	0.04	-0.39	-0.35	-0.32	-0.3	-0.25	3228	1.0
y_mean[899]	0.6	6.2e-4	0.04	0.52	0.57	0.59	0.62	0.67	4138	1.0
y_mean[900]	-0.43	5.6e-4	0.04	-0.5	-0.45	-0.43	-0.41	-0.36	4093	1.0
y_mean[901]	-0.03	4.4e-4	0.03	-0.08	-0.05	-0.03	-0.01	0.02	3610	1.0
y_mean[902]	1.19	7.6e-4	0.06	1.09	1.15	1.19	1.23	1.3	5292	1.0
y_mean[903]	-0.45	6.4e-4	0.04	-0.53	-0.48	-0.45	-0.42	-0.37	3941	1.0
y_mean[904]	0.14	8.7e-4	0.05	0.04	0.1	0.14	0.17	0.23	3147	1.0
y_mean[905]	-0.43	8.8e-4	0.05	-0.53	-0.46	-0.43	-0.39	-0.32	3732	1.0
y_mean[906]	0.81	8.0e-4	0.05	0.71	0.77	0.8	0.84	0.91	4028	1.0
y_mean[907]	-0.08	4.1e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	3188	1.0
y_mean[908]	-0.24	8.3e-4	0.04	-0.32	-0.26	-0.24	-0.21	-0.16	2440	1.0
y_mean[909]	-0.4	4.2e-4	0.02	-0.45	-0.41	-0.4	-0.38	-0.35	3464	1.0
y_mean[910]	0.13	5.5e-4	0.04	0.07	0.11	0.13	0.16	0.2	4027	1.0
y_mean[911]	1.96	1.2e-3	0.08	1.8	1.91	1.96	2.01	2.12	4490	1.0
y_mean[912]	0.97	6.7e-4	0.05	0.88	0.94	0.97	1.0	1.06	4913	1.0
y_mean[913]	-0.38	6.2e-4	0.03	-0.44	-0.4	-0.38	-0.35	-0.31	2876	1.0
y_mean[914]	0.02	4.9e-4	0.03	-0.04	1.7e-4	0.02	0.04	0.08	3435	1.0
y_mean[915]	-0.16	4.7e-4	0.03	-0.22	-0.18	-0.16	-0.15	-0.11	3318	1.0
y_mean[916]	-0.18	8.1e-4	0.04	-0.26	-0.21	-0.18	-0.15	-0.1	2617	1.0
y_mean[917]	-0.7	6.2e-4	0.04	-0.78	-0.73	-0.7	-0.68	-0.63	3493	1.0
y_mean[918]	-0.61	9.5e-4	0.05	-0.7	-0.64	-0.61	-0.58	-0.52	2486	1.0
y_mean[919]	-0.41	3.8e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3613	1.0
y_mean[920]	0.38	7.6e-4	0.05	0.28	0.34	0.38	0.41	0.48	4189	1.0
y_mean[921]	-0.45	5.6e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.39	3068	1.0
y_mean[922]	-0.21	5.8e-4	0.03	-0.27	-0.23	-0.21	-0.18	-0.14	3608	1.0
y_mean[923]	-0.48	4.2e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.43	3326	1.0
y_mean[924]	-0.5	5.0e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.44	3468	1.0
y_mean[925]	0.82	6.4e-4	0.04	0.74	0.79	0.82	0.85	0.9	4299	1.0
y_mean[926]	-0.3	6.9e-4	0.04	-0.37	-0.33	-0.3	-0.28	-0.23	2664	1.0
y_mean[927]	-0.47	5.8e-4	0.04	-0.54	-0.49	-0.47	-0.44	-0.39	3884	1.0
y_mean[928]	0.67	5.3e-4	0.03	0.61	0.65	0.67	0.7	0.74	4118	1.0
y_mean[929]	0.87	4.8e-4	0.03	0.81	0.85	0.87	0.9	0.94	4788	1.0
y_mean[930]	-0.16	5.3e-4	0.03	-0.23	-0.19	-0.17	-0.14	-0.1	3506	1.0
y_mean[931]	0.37	6.4e-4	0.04	0.3	0.34	0.37	0.4	0.44	3435	1.0
y_mean[932]	-0.38	6.5e-4	0.03	-0.45	-0.41	-0.38	-0.36	-0.32	2855	1.0
y_mean[933]	-0.12	8.1e-4	0.04	-0.21	-0.15	-0.12	-0.1	-0.04	2656	1.0
y_mean[934]	-0.5	4.8e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.44	3677	1.0
y_mean[935]	-0.25	6.6e-4	0.04	-0.32	-0.28	-0.25	-0.23	-0.18	2897	1.0
y_mean[936]	-0.51	5.2e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3581	1.0

y_mean[937]	-0.08	8.6e-4	0.05	-0.17	-0.11	-0.08	-0.05	0.01	2857	1.0
y_mean[938]	-0.38	5.2e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	3410	1.0
y_mean[939]	-0.88	1.2e-3	0.07	-1.02	-0.93	-0.88	-0.84	-0.74	3433	1.0
y_mean[940]	-0.49	4.2e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.44	3702	1.0
y_mean[941]	0.6	5.2e-4	0.03	0.53	0.57	0.6	0.62	0.66	4196	1.0
y_mean[942]	-0.68	6.4e-4	0.04	-0.77	-0.71	-0.68	-0.66	-0.6	4255	1.0
y_mean[943]	0.14	6.2e-4	0.04	0.07	0.12	0.14	0.17	0.21	3796	1.0
y_mean[944]	0.96	5.6e-4	0.04	0.89	0.94	0.96	0.99	1.04	4611	1.0
y_mean[945]	-0.46	4.1e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	2840	1.0
y_mean[946]	-0.45	6.1e-4	0.04	-0.52	-0.47	-0.45	-0.42	-0.37	3902	1.0
y_mean[947]	-0.14	6.4e-4	0.04	-0.21	-0.16	-0.14	-0.11	-0.06	3623	1.0
y_mean[948]	-0.24	5.4e-4	0.03	-0.29	-0.25	-0.23	-0.22	-0.18	2950	1.0
y_mean[949]	0.49	5.1e-4	0.03	0.43	0.47	0.49	0.52	0.56	4374	1.0
y_mean[950]	-0.43	6.6e-4	0.04	-0.5	-0.45	-0.43	-0.4	-0.36	3085	1.0
y_mean[951]	-0.34	4.5e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	3095	1.0
y_mean[952]	0.2	7.7e-4	0.05	0.1	0.17	0.2	0.24	0.3	4273	1.0
y_mean[953]	-0.09	4.3e-4	0.02	-0.13	-0.11	-0.09	-0.07	-0.04	3012	1.0
y_mean[954]	8.9e-3	4.6e-4	0.03	-0.04	-9.4e-3	8.1e-3	0.03	0.06	3459	1.0
y_mean[955]	1.12	8.7e-4	0.07	0.99	1.08	1.12	1.17	1.26	6214	1.0
y_mean[956]	0.21	6.4e-4	0.04	0.13	0.18	0.21	0.24	0.29	4340	1.0
y_mean[957]	-0.34	5.6e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.28	2972	1.0
y_mean[958]	-0.01	7.3e-4	0.04	-0.09	-0.04	-0.01	0.01	0.06	2934	1.0
y_mean[959]	0.97	9.9e-4	0.07	0.83	0.92	0.96	1.01	1.1	4729	1.0
y_mean[960]	-0.45	4.2e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	3141	1.0
y_mean[961]	-0.51	4.4e-4	0.03	-0.56	-0.53	-0.51	-0.49	-0.46	3631	1.0
y_mean[962]	-0.13	3.9e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	3462	1.0
y_mean[963]	-0.69	7.2e-4	0.04	-0.76	-0.71	-0.69	-0.66	-0.61	3176	1.0
y_mean[964]	-0.02	5.2e-4	0.03	-0.09	-0.05	-0.02	-2.1e-3	0.04	4125	1.0
y_mean[965]	-0.38	4.3e-4	0.02	-0.43	-0.4	-0.38	-0.37	-0.34	3197	1.0
y_mean[966]	0.21	5.8e-4	0.04	0.13	0.18	0.21	0.23	0.28	4475	1.0
y_mean[967]	-0.29	8.6e-4	0.04	-0.37	-0.32	-0.29	-0.26	-0.21	2392	1.0
y_mean[968]	0.2	8.4e-4	0.04	0.11	0.17	0.2	0.23	0.29	2870	1.0
y_mean[969]	-0.04	8.5e-4	0.05	-0.15	-0.08	-0.04	-7.0e-3	0.07	4186	1.0
y_mean[970]	-0.95	1.2e-3	0.07	-1.09	-1.0	-0.95	-0.91	-0.81	3672	1.0
y_mean[971]	-0.48	4.3e-4	0.03	-0.53	-0.5	-0.48	-0.47	-0.43	3606	1.0
y_mean[972]	-0.34	3.7e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.3	3427	1.0
y_mean[973]	0.72	7.6e-4	0.05	0.62	0.68	0.72	0.75	0.81	4129	1.0
y_mean[974]	-0.11	4.0e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	3184	1.0
y_mean[975]	-0.38	6.9e-4	0.04	-0.46	-0.41	-0.38	-0.35	-0.29	3726	1.0
y_mean[976]	0.7	1.3e-3	0.1	0.51	0.64	0.71	0.77	0.9	5888	1.0
y_mean[977]	-0.25	5.6e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	2859	1.0
y_mean[978]	-0.73	6.2e-4	0.04	-0.81	-0.76	-0.73	-0.7	-0.65	4097	1.0
y_mean[979]	0.86	7.5e-4	0.05	0.75	0.82	0.86	0.89	0.96	4625	1.0
y_mean[980]	0.05	5.1e-4	0.03	-4.3e-3	0.03	0.05	0.07	0.11	3363	1.0
y_mean[981]	-0.91	1.3e-3	0.07	-1.05	-0.96	-0.91	-0.86	-0.76	3293	1.0
y_mean[982]	-0.5	4.2e-4	0.03	-0.55	-0.52	-0.5	-0.49	-0.45	3653	1.0
y_mean[983]	-0.5	4.8e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.45	3639	1.0
y_mean[984]	-0.02	4.5e-4	0.03	-0.08	-0.04	-0.02	-5.8e-3	0.03	3774	1.0

y_mean[985]	0.34	5.0e-4	0.03	0.27	0.32	0.34	0.36	0.4	3979	1.0
y_mean[986]	-0.48	4.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	2987	1.0
y_mean[987]	3.4	1.3e-3	0.08	3.24	3.35	3.4	3.45	3.56	4037	1.0
y_mean[988]	0.6	6.4e-4	0.04	0.53	0.58	0.6	0.63	0.68	4085	1.0
y_mean[989]	-0.54	1.2e-3	0.07	-0.68	-0.59	-0.54	-0.49	-0.4	3335	1.0
y_mean[990]	-0.42	3.2e-4	0.02	-0.46	-0.43	-0.42	-0.41	-0.38	4110	1.0
y_mean[991]	0.92	7.2e-4	0.05	0.83	0.89	0.92	0.96	1.02	4511	1.0
y_mean[992]	0.04	4.4e-4	0.03	-0.02	0.02	0.04	0.05	0.09	3664	1.0
y_mean[993]	-0.13	5.1e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.08	2982	1.0
y_mean[994]	0.81	7.1e-4	0.05	0.72	0.78	0.81	0.85	0.91	4837	1.0
y_mean[995]	3.29	1.5e-3	0.09	3.1	3.23	3.29	3.36	3.47	3608	1.0
y_mean[996]	-0.15	5.4e-4	0.03	-0.22	-0.17	-0.15	-0.13	-0.09	3803	1.0
y_mean[997]	0.06	5.0e-4	0.03	3.5e-3	0.04	0.06	0.08	0.12	3613	1.0
y_mean[998]	0.06	4.6e-4	0.03	0.01	0.05	0.06	0.08	0.12	3549	1.0
y_mean[999]	-0.76	6.3e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3905	1.0
y_mean[1000]	0.37	4.9e-4	0.03	0.31	0.35	0.37	0.39	0.44	4619	1.0
y_mean[1001]	-0.43	3.3e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.39	4223	1.0
y_mean[1002]	-0.27	4.8e-4	0.03	-0.33	-0.29	-0.27	-0.26	-0.22	3155	1.0
y_mean[1003]	0.31	5.1e-4	0.03	0.25	0.29	0.31	0.33	0.37	3785	1.0
y_mean[1004]	0.07	4.1e-4	0.02	0.02	0.05	0.07	0.09	0.12	3664	1.0
y_mean[1005]	-0.68	7.1e-4	0.04	-0.76	-0.71	-0.68	-0.65	-0.6	3377	1.0
y_mean[1006]	-0.31	6.1e-4	0.04	-0.38	-0.34	-0.31	-0.28	-0.23	3903	1.0
y_mean[1007]	-0.31	6.0e-4	0.03	-0.38	-0.34	-0.31	-0.29	-0.25	3315	1.0
y_mean[1008]	-0.43	4.4e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	3166	1.0
y_mean[1009]	-0.44	3.1e-4	0.02	-0.47	-0.45	-0.44	-0.42	-0.4	3862	1.0
y_mean[1010]	-0.14	6.6e-4	0.04	-0.21	-0.17	-0.14	-0.12	-0.07	2862	1.0
y_mean[1011]	-0.51	4.9e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3602	1.0
y_mean[1012]	0.62	6.2e-4	0.04	0.55	0.6	0.62	0.65	0.7	3972	1.0
y_mean[1013]	1.4e-3	4.7e-4	0.03	-0.05	-0.02	1.0e-4	0.02	0.05	3263	1.0
y_mean[1014]	-0.45	5.6e-4	0.03	-0.52	-0.48	-0.45	-0.43	-0.38	3841	1.0
y_mean[1015]	-0.27	7.1e-4	0.04	-0.34	-0.29	-0.27	-0.24	-0.2	2527	1.0
y_mean[1016]	-0.77	6.9e-4	0.04	-0.86	-0.8	-0.77	-0.75	-0.69	3802	1.0
y_mean[1017]	6.23	5.9e-3	0.39	5.47	5.97	6.22	6.51	6.99	4384	1.0
y_mean[1018]	-0.13	7.3e-4	0.04	-0.21	-0.16	-0.13	-0.1	-0.04	3479	1.0
y_mean[1019]	-0.47	4.5e-4	0.03	-0.53	-0.49	-0.47	-0.46	-0.42	3367	1.0
y_mean[1020]	0.46	4.9e-4	0.03	0.39	0.44	0.46	0.48	0.52	4107	1.0
y_mean[1021]	0.23	8.6e-4	0.05	0.13	0.2	0.23	0.26	0.33	3395	1.0
y_mean[1022]	0.15	6.9e-4	0.04	0.07	0.12	0.15	0.18	0.23	3106	1.0
y_mean[1023]	-0.27	8.2e-4	0.05	-0.36	-0.3	-0.27	-0.23	-0.17	3471	1.0
y_mean[1024]	-0.36	7.7e-4	0.04	-0.45	-0.39	-0.36	-0.34	-0.28	2930	1.0
y_mean[1025]	-0.05	5.0e-4	0.03	-0.1	-0.06	-0.05	-0.03	7.2e-3	2942	1.0
y_mean[1026]	3.29	2.3e-3	0.14	3.0	3.2	3.29	3.39	3.58	3885	1.0
y_mean[1027]	-0.06	5.9e-4	0.03	-0.12	-0.08	-0.06	-0.04	6.2e-3	2916	1.0
y_mean[1028]	-0.2	5.7e-4	0.03	-0.27	-0.22	-0.2	-0.18	-0.13	3688	1.0
y_mean[1029]	-0.69	6.2e-4	0.04	-0.77	-0.72	-0.69	-0.66	-0.61	4147	1.0
y_mean[1030]	-0.34	4.3e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.29	3227	1.0
y_mean[1031]	-0.07	3.7e-4	0.02	-0.11	-0.09	-0.07	-0.05	-0.02	4075	1.0
y_mean[1032]	-0.52	7.4e-4	0.04	-0.61	-0.55	-0.52	-0.5	-0.44	3471	1.0

y_mean[1033]	-0.43	5.4e-4	0.03	-0.49	-0.45	-0.43	-0.4	-0.36	4090	1.0
y_mean[1034]	0.08	8.1e-4	0.05	-0.02	0.05	0.08	0.11	0.18	3674	1.0
y_mean[1035]	-0.08	5.6e-4	0.03	-0.15	-0.11	-0.08	-0.06	-0.02	3560	1.0
y_mean[1036]	-0.42	5.4e-4	0.03	-0.49	-0.44	-0.42	-0.4	-0.35	3944	1.0
y_mean[1037]	-0.46	4.9e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.41	3144	1.0
y_mean[1038]	0.52	4.7e-4	0.03	0.46	0.5	0.52	0.54	0.58	4468	1.0
y_mean[1039]	-0.15	8.0e-4	0.04	-0.24	-0.18	-0.15	-0.13	-0.08	2563	1.0
y_mean[1040]	-0.42	6.9e-4	0.04	-0.49	-0.44	-0.42	-0.39	-0.35	2771	1.0
y_mean[1041]	0.53	5.1e-4	0.04	0.46	0.5	0.53	0.55	0.6	4707	1.0
y_mean[1042]	0.65	8.0e-4	0.05	0.56	0.62	0.65	0.68	0.75	3678	1.0
y_mean[1043]	-0.1	8.3e-4	0.05	-0.2	-0.14	-0.1	-0.07	-1.6e-3	3792	1.0
y_mean[1044]	2.81	1.3e-3	0.08	2.64	2.75	2.81	2.86	2.97	3932	1.0
y_mean[1045]	-0.42	7.3e-4	0.04	-0.5	-0.44	-0.42	-0.39	-0.33	3266	1.0
y_mean[1046]	0.64	6.9e-4	0.04	0.56	0.61	0.64	0.67	0.73	4174	1.0
y_mean[1047]	-0.96	1.2e-3	0.07	-1.09	-1.0	-0.96	-0.91	-0.81	3626	1.0
y_mean[1048]	-0.17	8.4e-4	0.05	-0.26	-0.2	-0.17	-0.13	-0.07	3537	1.0
y_mean[1049]	-0.5	4.6e-4	0.03	-0.56	-0.52	-0.5	-0.49	-0.45	3636	1.0
y_mean[1050]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.47	-0.44	3427	1.0
y_mean[1051]	-0.42	3.1e-4	0.02	-0.46	-0.43	-0.42	-0.4	-0.38	4134	1.0
y_mean[1052]	-0.13	5.3e-4	0.03	-0.19	-0.15	-0.13	-0.1	-0.06	3729	1.0
y_mean[1053]	5.43	3.2e-3	0.18	5.07	5.31	5.43	5.55	5.8	3215	1.0
y_mean[1054]	-0.51	5.1e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3591	1.0
y_mean[1055]	0.42	4.8e-4	0.03	0.36	0.4	0.42	0.44	0.48	3958	1.0
y_mean[1056]	-0.68	1.0e-3	0.05	-0.78	-0.71	-0.68	-0.64	-0.57	2563	1.0
y_mean[1057]	-0.48	3.8e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	3103	1.0
y_mean[1058]	-0.43	1.0e-3	0.06	-0.55	-0.47	-0.43	-0.39	-0.32	3240	1.0
y_mean[1059]	-0.27	7.1e-4	0.04	-0.34	-0.29	-0.27	-0.25	-0.2	2522	1.0
y_mean[1060]	-0.09	6.1e-4	0.04	-0.17	-0.12	-0.09	-0.07	-0.02	3865	1.0
y_mean[1061]	-0.26	5.1e-4	0.03	-0.31	-0.27	-0.26	-0.24	-0.2	3119	1.0
y_mean[1062]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3092	1.0
y_mean[1063]	-0.06	4.2e-4	0.03	-0.11	-0.08	-0.06	-0.04	-6.4e-3	3683	1.0
y_mean[1064]	1.72	1.0e-3	0.07	1.58	1.67	1.72	1.76	1.85	4580	1.0
y_mean[1065]	-0.24	5.5e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.19	3037	1.0
y_mean[1066]	-0.17	6.5e-4	0.04	-0.25	-0.2	-0.17	-0.14	-0.09	3744	1.0
y_mean[1067]	-0.14	7.2e-4	0.04	-0.22	-0.17	-0.14	-0.11	-0.06	3341	1.0
y_mean[1068]	-0.47	4.6e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.42	3458	1.0
y_mean[1069]	-0.18	7.0e-4	0.04	-0.25	-0.2	-0.18	-0.15	-0.11	2694	1.0
y_mean[1070]	0.46	5.0e-4	0.03	0.39	0.43	0.46	0.48	0.52	4122	1.0
y_mean[1071]	-0.71	5.9e-4	0.04	-0.78	-0.74	-0.71	-0.69	-0.65	3743	1.0
y_mean[1072]	-0.24	5.4e-4	0.03	-0.3	-0.26	-0.24	-0.22	-0.18	3132	1.0
y_mean[1073]	-0.34	3.7e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.3	3549	1.0
y_mean[1074]	1.41	9.4e-4	0.07	1.28	1.37	1.41	1.46	1.55	5648	1.0
y_mean[1075]	0.2	4.2e-4	0.03	0.14	0.18	0.19	0.21	0.25	4045	1.0
y_mean[1076]	-0.25	5.6e-4	0.03	-0.31	-0.27	-0.25	-0.23	-0.19	2946	1.0
y_mean[1077]	0.04	4.9e-4	0.03	-0.02	0.02	0.04	0.06	0.09	3343	1.0
y_mean[1078]	-0.7	6.9e-4	0.04	-0.77	-0.73	-0.7	-0.67	-0.62	3098	1.0
y_mean[1079]	0.25	4.8e-4	0.03	0.19	0.23	0.25	0.26	0.3	3620	1.0
y_mean[1080]	-0.73	5.6e-4	0.03	-0.8	-0.75	-0.73	-0.71	-0.66	3897	1.0

y_mean[1081]	-0.18	6.0e-4	0.04	-0.25	-0.2	-0.18	-0.15	-0.1	3735	1.0
y_mean[1082]	-0.23	5.6e-4	0.03	-0.29	-0.24	-0.23	-0.21	-0.17	2961	1.0
y_mean[1083]	-0.47	3.9e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	3132	1.0
y_mean[1084]	-0.46	4.0e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	3144	1.0
y_mean[1085]	0.28	4.9e-4	0.03	0.21	0.26	0.28	0.3	0.34	4510	1.0
y_mean[1086]	-0.13	6.2e-4	0.03	-0.2	-0.15	-0.13	-0.11	-0.06	3116	1.0
y_mean[1087]	-0.05	5.3e-4	0.03	-0.11	-0.07	-0.05	-0.03	0.01	3530	1.0
y_mean[1088]	0.93	8.1e-4	0.05	0.83	0.9	0.93	0.97	1.04	4341	1.0
y_mean[1089]	-0.21	8.8e-4	0.05	-0.31	-0.24	-0.21	-0.17	-0.11	3494	1.0
y_mean[1090]	-0.45	5.6e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.39	3456	1.0
y_mean[1091]	-0.2	6.1e-4	0.04	-0.27	-0.23	-0.2	-0.18	-0.13	3676	1.0
y_mean[1092]	-0.96	1.2e-3	0.07	-1.1	-1.01	-0.96	-0.91	-0.81	3592	1.0
y_mean[1093]	0.36	8.5e-4	0.05	0.26	0.33	0.36	0.39	0.46	3310	1.0
y_mean[1094]	-0.41	3.8e-4	0.02	-0.45	-0.42	-0.41	-0.39	-0.36	3683	1.0
y_mean[1095]	-0.45	4.2e-4	0.02	-0.5	-0.46	-0.45	-0.43	-0.4	3348	1.0
y_mean[1096]	-0.43	5.0e-4	0.03	-0.48	-0.44	-0.43	-0.41	-0.37	2738	1.0
y_mean[1097]	-0.33	4.2e-4	0.02	-0.37	-0.34	-0.33	-0.31	-0.28	3257	1.0
y_mean[1098]	-0.26	9.4e-4	0.06	-0.37	-0.3	-0.26	-0.22	-0.15	3597	1.0
y_mean[1099]	0.01	7.8e-4	0.04	-0.07	-0.02	0.01	0.04	0.1	3041	1.0
y_mean[1100]	-0.51	6.2e-4	0.04	-0.58	-0.53	-0.51	-0.48	-0.44	3545	1.0
y_mean[1101]	0.76	5.8e-4	0.04	0.69	0.73	0.76	0.78	0.83	4090	1.0
y_mean[1102]	-0.67	7.9e-4	0.04	-0.76	-0.7	-0.67	-0.64	-0.58	3211	1.0
y_mean[1103]	-0.49	4.4e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.44	3366	1.0
y_mean[1104]	-0.64	9.2e-4	0.05	-0.74	-0.68	-0.64	-0.61	-0.54	3160	1.0
y_mean[1105]	-0.7	6.5e-4	0.04	-0.77	-0.72	-0.7	-0.67	-0.62	3450	1.0
y_mean[1106]	-0.39	8.3e-4	0.05	-0.49	-0.43	-0.4	-0.36	-0.29	3959	1.0
y_mean[1107]	-0.43	3.6e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	3892	1.0
y_mean[1108]	-0.71	6.1e-4	0.04	-0.78	-0.74	-0.71	-0.69	-0.64	3474	1.0
y_mean[1109]	0.17	6.6e-4	0.04	0.09	0.14	0.17	0.19	0.25	3842	1.0
y_mean[1110]	0.5	8.5e-4	0.05	0.4	0.47	0.5	0.54	0.61	4072	1.0
y_mean[1111]	-0.2	4.9e-4	0.03	-0.26	-0.22	-0.2	-0.18	-0.15	3279	1.0
y_mean[1112]	-0.09	4.1e-4	0.02	-0.14	-0.11	-0.09	-0.08	-0.05	3212	1.0
y_mean[1113]	7.1e-3	1.2e-3	0.07	-0.12	-0.04	5.7e-3	0.05	0.14	3278	1.0
y_mean[1114]	0.12	8.0e-4	0.05	0.02	0.08	0.12	0.16	0.22	4311	1.0
y_mean[1115]	0.07	7.0e-4	0.04	-5.9e-3	0.04	0.07	0.09	0.14	2868	1.0
y_mean[1116]	-0.43	5.0e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.38	3076	1.0
y_mean[1117]	0.5	4.5e-4	0.03	0.44	0.48	0.5	0.52	0.56	4536	1.0
y_mean[1118]	-0.5	4.3e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.45	3663	1.0
y_mean[1119]	-0.73	5.8e-4	0.04	-0.8	-0.76	-0.73	-0.71	-0.66	4103	1.0
y_mean[1120]	0.34	7.0e-4	0.04	0.26	0.31	0.34	0.36	0.41	3190	1.0
y_mean[1121]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3176	1.0
y_mean[1122]	-0.41	4.7e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.36	3486	1.0
y_mean[1123]	-0.41	3.2e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.37	4162	1.0
y_mean[1124]	-4.2e-3	4.5e-4	0.03	-0.05	-0.02	-4.8e-3	0.01	0.05	3402	1.0
y_mean[1125]	0.18	6.5e-4	0.04	0.11	0.16	0.18	0.21	0.25	3079	1.0
y_mean[1126]	-0.31	8.1e-4	0.04	-0.39	-0.34	-0.31	-0.29	-0.24	2387	1.0
y_mean[1127]	-0.46	4.9e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3748	1.0
y_mean[1128]	-0.49	4.7e-4	0.03	-0.55	-0.51	-0.49	-0.48	-0.44	3716	1.0

y_mean[1129]	0.39	4.8e-4	0.03	0.33	0.37	0.39	0.41	0.45	3951	1.0
y_mean[1130]	-0.37	4.4e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3158	1.0
y_mean[1131]	-0.42	6.6e-4	0.04	-0.49	-0.44	-0.42	-0.39	-0.35	2800	1.0
y_mean[1132]	0.13	4.6e-4	0.03	0.07	0.11	0.13	0.15	0.18	3513	1.0
y_mean[1133]	0.44	4.7e-4	0.03	0.38	0.42	0.44	0.46	0.5	4223	1.0
y_mean[1134]	-0.49	4.2e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.44	3206	1.0
y_mean[1135]	-0.51	4.9e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3601	1.0
y_mean[1136]	-0.72	5.9e-4	0.04	-0.78	-0.74	-0.72	-0.69	-0.65	3634	1.0
y_mean[1137]	-0.06	3.8e-4	0.02	-0.1	-0.07	-0.06	-0.04	-0.01	4029	1.0
y_mean[1138]	0.32	4.6e-4	0.03	0.26	0.3	0.32	0.34	0.37	3741	1.0
y_mean[1139]	-0.47	5.4e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.4	3857	1.0
y_mean[1140]	-0.48	4.9e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.42	3801	1.0
y_mean[1141]	0.55	6.7e-4	0.04	0.46	0.52	0.54	0.57	0.63	4068	1.0
y_mean[1142]	0.89	7.5e-4	0.05	0.79	0.86	0.9	0.93	1.0	4934	1.0
y_mean[1143]	-0.4	8.8e-4	0.04	-0.49	-0.43	-0.4	-0.37	-0.31	2503	1.0
y_mean[1144]	-0.09	4.0e-4	0.02	-0.14	-0.11	-0.09	-0.08	-0.05	3576	1.0
y_mean[1145]	-0.25	9.2e-4	0.06	-0.36	-0.29	-0.25	-0.21	-0.13	3989	1.0
y_mean[1146]	-0.12	5.4e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.06	2916	1.0
y_mean[1147]	-0.49	7.0e-4	0.04	-0.57	-0.51	-0.49	-0.46	-0.4	3689	1.0
y_mean[1148]	1.58	7.5e-4	0.05	1.47	1.54	1.58	1.61	1.69	5233	1.0
y_mean[1149]	1.86	1.3e-3	0.1	1.67	1.79	1.86	1.92	2.05	5589	1.0
y_mean[1150]	0.49	8.4e-4	0.05	0.39	0.45	0.49	0.52	0.59	3476	1.0
y_mean[1151]	0.1	8.5e-4	0.05	0.01	0.07	0.1	0.13	0.19	2838	1.0
y_mean[1152]	1.65	9.4e-4	0.06	1.53	1.61	1.65	1.69	1.77	3974	1.0
y_mean[1153]	-0.28	5.5e-4	0.03	-0.34	-0.3	-0.28	-0.26	-0.22	3271	1.0
y_mean[1154]	0.2	6.0e-4	0.04	0.13	0.17	0.2	0.23	0.28	3835	1.0
y_mean[1155]	-0.11	4.3e-4	0.03	-0.16	-0.12	-0.11	-0.09	-0.05	3778	1.0
y_mean[1156]	-0.48	3.9e-4	0.02	-0.52	-0.5	-0.48	-0.47	-0.44	3006	1.0
y_mean[1157]	-0.32	1.0e-3	0.05	-0.42	-0.36	-0.32	-0.29	-0.23	2465	1.0
y_mean[1158]	-0.38	7.1e-4	0.04	-0.45	-0.4	-0.37	-0.35	-0.3	2897	1.0
y_mean[1159]	-0.13	4.9e-4	0.03	-0.19	-0.15	-0.14	-0.12	-0.08	3002	1.0
y_mean[1160]	0.51	1.1e-3	0.07	0.37	0.46	0.51	0.56	0.64	3858	1.0
y_mean[1161]	-0.38	4.3e-4	0.02	-0.43	-0.39	-0.38	-0.36	-0.33	3362	1.0
y_mean[1162]	-0.49	5.3e-4	0.03	-0.56	-0.51	-0.49	-0.47	-0.43	3720	1.0
y_mean[1163]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3205	1.0
y_mean[1164]	-0.31	5.0e-4	0.03	-0.36	-0.33	-0.31	-0.29	-0.25	3020	1.0
y_mean[1165]	-0.02	7.2e-4	0.05	-0.1	-0.05	-0.02	0.01	0.07	3997	1.0
y_mean[1166]	-0.48	5.7e-4	0.04	-0.55	-0.5	-0.48	-0.45	-0.41	3830	1.0
y_mean[1167]	-0.39	7.2e-4	0.04	-0.46	-0.41	-0.39	-0.36	-0.31	2820	1.0
y_mean[1168]	-0.47	4.7e-4	0.03	-0.52	-0.49	-0.47	-0.45	-0.42	3411	1.0
y_mean[1169]	0.18	6.2e-4	0.04	0.1	0.16	0.18	0.21	0.26	4506	1.0
y_mean[1170]	-0.41	2.9e-4	0.02	-0.45	-0.43	-0.41	-0.4	-0.38	4056	1.0
y_mean[1171]	-0.17	5.0e-4	0.03	-0.23	-0.19	-0.17	-0.15	-0.11	3544	1.0
y_mean[1172]	-0.07	4.3e-4	0.03	-0.12	-0.09	-0.07	-0.05	-0.02	3878	1.0
y_mean[1173]	0.36	4.7e-4	0.03	0.3	0.34	0.36	0.38	0.42	4102	1.0
y_mean[1174]	-0.19	5.0e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3514	1.0
y_mean[1175]	-0.51	5.1e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3603	1.0
y_mean[1176]	0.34	4.9e-4	0.03	0.28	0.32	0.34	0.36	0.4	3772	1.0

y_mean[1177]	0.59	1.0e-3	0.08	0.44	0.54	0.59	0.65	0.75	5965	1.0
y_mean[1178]	-0.84	1.2e-3	0.07	-0.98	-0.89	-0.84	-0.79	-0.7	3447	1.0
y_mean[1179]	0.12	4.3e-4	0.03	0.07	0.1	0.12	0.14	0.17	3640	1.0
y_mean[1180]	-0.34	4.2e-4	0.02	-0.39	-0.36	-0.34	-0.33	-0.29	3353	1.0
y_mean[1181]	-0.48	5.0e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.42	3805	1.0
y_mean[1182]	0.81	6.4e-4	0.04	0.73	0.78	0.81	0.84	0.9	4450	1.0
y_mean[1183]	1.8	1.3e-3	0.08	1.64	1.74	1.8	1.85	1.96	3952	1.0
y_mean[1184]	-0.16	4.5e-4	0.03	-0.21	-0.18	-0.16	-0.14	-0.11	3271	1.0
y_mean[1185]	-0.25	9.0e-4	0.06	-0.36	-0.29	-0.25	-0.21	-0.14	4009	1.0
y_mean[1186]	0.56	4.8e-4	0.03	0.5	0.54	0.56	0.58	0.61	4008	1.0
y_mean[1187]	-0.5	4.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	3607	1.0
y_mean[1188]	0.54	4.7e-4	0.03	0.48	0.52	0.54	0.56	0.6	4018	1.0
y_mean[1189]	0.23	5.2e-4	0.04	0.16	0.21	0.23	0.26	0.3	4511	1.0
y_mean[1190]	-0.44	6.2e-4	0.04	-0.52	-0.47	-0.44	-0.41	-0.36	3890	1.0
y_mean[1191]	-0.32	6.9e-4	0.04	-0.39	-0.34	-0.32	-0.29	-0.23	3418	1.0
y_mean[1192]	-0.39	7.1e-4	0.04	-0.46	-0.41	-0.39	-0.36	-0.31	2841	1.0
y_mean[1193]	-0.48	3.9e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	3190	1.0
y_mean[1194]	0.13	6.5e-4	0.04	0.05	0.1	0.12	0.15	0.2	3815	1.0
y_mean[1195]	-0.45	4.1e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3048	1.0
y_mean[1196]	-0.46	4.6e-4	0.02	-0.51	-0.48	-0.46	-0.44	-0.41	2805	1.0
y_mean[1197]	-0.46	4.0e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	2841	1.0
y_mean[1198]	-0.46	4.1e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	3235	1.0
y_mean[1199]	-0.74	5.6e-4	0.03	-0.8	-0.76	-0.74	-0.71	-0.67	3722	1.0
y_mean[1200]	0.23	6.9e-4	0.04	0.15	0.2	0.23	0.26	0.31	3474	1.0
y_mean[1201]	0.61	4.4e-4	0.03	0.55	0.58	0.61	0.62	0.66	4394	1.0
y_mean[1202]	0.38	4.7e-4	0.03	0.32	0.36	0.38	0.4	0.44	4339	1.0
y_mean[1203]	-0.47	3.9e-4	0.02	-0.52	-0.48	-0.47	-0.45	-0.42	4111	1.0
y_mean[1204]	-0.02	4.5e-4	0.03	-0.07	-0.04	-0.02	-5.8e-3	0.03	3270	1.0
y_mean[1205]	0.28	8.5e-4	0.05	0.18	0.25	0.28	0.31	0.38	3406	1.0
y_mean[1206]	1.32	1.0e-3	0.07	1.19	1.28	1.32	1.37	1.45	3972	1.0
y_mean[1207]	-0.74	5.5e-4	0.04	-0.8	-0.76	-0.74	-0.71	-0.67	4023	1.0
y_mean[1208]	1.56	8.6e-4	0.06	1.45	1.52	1.56	1.6	1.68	4660	1.0
y_mean[1209]	-0.1	5.4e-4	0.03	-0.16	-0.12	-0.09	-0.07	-0.03	3765	1.0
y_mean[1210]	-0.34	4.8e-4	0.03	-0.4	-0.36	-0.34	-0.33	-0.29	3241	1.0
y_mean[1211]	-0.05	4.3e-4	0.02	-0.1	-0.07	-0.05	-0.03	-1.4e-3	3206	1.0
y_mean[1212]	0.91	4.8e-4	0.03	0.85	0.89	0.91	0.93	0.97	4581	1.0
y_mean[1213]	1.6	1.3e-3	0.08	1.44	1.55	1.6	1.66	1.75	3819	1.0
y_mean[1214]	-0.19	6.4e-4	0.04	-0.26	-0.22	-0.19	-0.17	-0.12	3109	1.0
y_mean[1215]	3.91	2.2e-3	0.13	3.66	3.82	3.91	3.99	4.15	3389	1.0
y_mean[1216]	-0.47	4.2e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.43	2867	1.0
y_mean[1217]	-0.03	4.4e-4	0.03	-0.08	-0.05	-0.03	-0.02	0.02	3316	1.0
y_mean[1218]	0.44	4.6e-4	0.03	0.38	0.42	0.44	0.46	0.5	3967	1.0
y_mean[1219]	-0.38	5.3e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	3225	1.0
y_mean[1220]	0.21	6.8e-4	0.04	0.13	0.18	0.21	0.24	0.29	3914	1.0
y_mean[1221]	0.07	5.8e-4	0.03	1.3e-3	0.04	0.07	0.09	0.13	3462	1.0
y_mean[1222]	0.02	4.8e-4	0.03	-0.03	5.2e-3	0.02	0.04	0.08	3438	1.0
y_mean[1223]	-0.36	8.7e-4	0.05	-0.46	-0.4	-0.36	-0.33	-0.27	2926	1.0
y_mean[1224]	-4.0e-3	6.2e-4	0.04	-0.08	-0.03	-4.6e-3	0.02	0.08	4156	1.0

y_mean[1225]	0.39	4.6e-4	0.03	0.33	0.37	0.39	0.41	0.44	4076	1.0
y_mean[1226]	0.03	4.8e-4	0.03	-0.03	7.3e-3	0.03	0.04	0.08	3420	1.0
y_mean[1227]	1.95	1.1e-3	0.07	1.81	1.9	1.95	2.0	2.1	4507	1.0
y_mean[1228]	-0.46	5.0e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3687	1.0
y_mean[1229]	-0.34	8.9e-4	0.05	-0.43	-0.38	-0.34	-0.31	-0.25	2639	1.0
y_mean[1230]	-0.05	6.0e-4	0.04	-0.12	-0.07	-0.05	-0.02	0.02	3679	1.0
y_mean[1231]	0.48	5.0e-4	0.03	0.42	0.46	0.48	0.5	0.55	4398	1.0
y_mean[1232]	-0.45	4.6e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	2696	1.0
y_mean[1233]	-0.72	5.8e-4	0.04	-0.79	-0.74	-0.72	-0.69	-0.65	3744	1.0
y_mean[1234]	-0.1	1.0e-3	0.05	-0.2	-0.13	-0.1	-0.07	-6.0e-3	2420	1.0
y_mean[1235]	-0.31	4.5e-4	0.03	-0.36	-0.33	-0.31	-0.3	-0.26	3342	1.0
y_mean[1236]	-2.1e-3	4.0e-4	0.03	-0.05	-0.02	-2.5e-3	0.01	0.05	4010	1.0
y_mean[1237]	8.1e-3	1.0e-3	0.06	-0.11	-0.03	7.3e-3	0.05	0.13	3491	1.0
y_mean[1238]	-0.47	3.9e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.42	3124	1.0
y_mean[1239]	-0.1	4.0e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.06	3380	1.0
y_mean[1240]	1.54	9.4e-4	0.07	1.41	1.49	1.54	1.58	1.67	5202	1.0
y_mean[1241]	0.36	4.6e-4	0.03	0.31	0.34	0.36	0.38	0.42	4133	1.0
y_mean[1242]	-0.41	4.8e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.36	3224	1.0
y_mean[1243]	-0.48	6.6e-4	0.04	-0.55	-0.5	-0.48	-0.45	-0.4	3512	1.0
y_mean[1244]	-3.5e-3	8.3e-4	0.05	-0.09	-0.03	-2.5e-3	0.03	0.08	2988	1.0
y_mean[1245]	-0.1	5.4e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.04	3538	1.0
y_mean[1246]	1.05	5.4e-4	0.04	0.98	1.02	1.05	1.07	1.12	4281	1.0
y_mean[1247]	-0.1	4.0e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	3282	1.0
y_mean[1248]	-0.48	5.1e-4	0.03	-0.54	-0.5	-0.48	-0.45	-0.41	3827	1.0
y_mean[1249]	1.35	6.8e-4	0.04	1.27	1.33	1.35	1.38	1.43	3833	1.0
y_mean[1250]	0.1	6.6e-4	0.04	0.02	0.08	0.1	0.13	0.19	3968	1.0
y_mean[1251]	-0.16	7.2e-4	0.04	-0.24	-0.19	-0.16	-0.13	-0.07	3618	1.0
y_mean[1252]	-0.16	4.2e-4	0.03	-0.21	-0.18	-0.16	-0.15	-0.11	3627	1.0
y_mean[1253]	0.14	5.6e-4	0.03	0.08	0.12	0.14	0.16	0.21	3690	1.0
y_mean[1254]	-0.4	5.0e-4	0.03	-0.45	-0.41	-0.4	-0.38	-0.34	3298	1.0
y_mean[1255]	0.04	5.0e-4	0.03	-9.0e-3	0.03	0.04	0.06	0.1	3398	1.0
y_mean[1256]	0.74	7.3e-4	0.05	0.65	0.71	0.74	0.77	0.83	4184	1.0
y_mean[1257]	0.33	7.9e-4	0.04	0.24	0.3	0.33	0.36	0.41	2978	1.0
y_mean[1258]	-0.2	5.1e-4	0.03	-0.26	-0.22	-0.2	-0.17	-0.13	3647	1.0
y_mean[1259]	-0.29	6.6e-4	0.04	-0.37	-0.32	-0.29	-0.27	-0.22	3393	1.0
y_mean[1260]	0.65	5.2e-4	0.03	0.58	0.63	0.65	0.67	0.72	4225	1.0
y_mean[1261]	-0.19	5.3e-4	0.03	-0.25	-0.21	-0.19	-0.17	-0.13	3598	1.0
y_mean[1262]	-0.66	8.9e-4	0.04	-0.75	-0.69	-0.66	-0.63	-0.57	2545	1.0
y_mean[1263]	-0.41	3.1e-4	0.02	-0.44	-0.42	-0.41	-0.39	-0.37	4099	1.0
y_mean[1264]	-0.74	5.7e-4	0.04	-0.81	-0.77	-0.74	-0.72	-0.67	4014	1.0
y_mean[1265]	-0.49	4.1e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3475	1.0
y_mean[1266]	0.1	5.5e-4	0.03	0.04	0.08	0.1	0.13	0.17	3523	1.0
y_mean[1267]	-0.77	6.5e-4	0.04	-0.85	-0.8	-0.77	-0.74	-0.69	3839	1.0
y_mean[1268]	-0.28	6.7e-4	0.04	-0.37	-0.31	-0.28	-0.25	-0.19	4150	1.0
y_mean[1269]	-0.84	1.5e-3	0.08	-1.01	-0.9	-0.84	-0.79	-0.67	3170	1.0
y_mean[1270]	-0.07	4.2e-4	0.02	-0.12	-0.09	-0.07	-0.05	-0.02	3190	1.0
y_mean[1271]	-0.47	4.1e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	2910	1.0
y_mean[1272]	1.69	1.0e-3	0.06	1.57	1.65	1.69	1.73	1.81	3614	1.0

y_mean[1273]	5.85	3.2e-3	0.19	5.46	5.73	5.86	5.99	6.23	3713	1.0
y_mean[1274]	-0.17	4.4e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3561	1.0
y_mean[1275]	1.47	6.4e-4	0.05	1.39	1.44	1.47	1.5	1.56	5163	1.0
y_mean[1276]	-0.48	4.1e-4	0.02	-0.53	-0.5	-0.48	-0.46	-0.44	3228	1.0
y_mean[1277]	-0.7	6.9e-4	0.04	-0.78	-0.73	-0.7	-0.68	-0.63	3169	1.0
y_mean[1278]	0.05	7.5e-4	0.05	-0.04	0.02	0.05	0.08	0.14	3898	1.0
y_mean[1279]	-0.15	4.8e-4	0.03	-0.2	-0.16	-0.15	-0.13	-0.1	3110	1.0
y_mean[1280]	-0.47	4.1e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.43	2798	1.0
y_mean[1281]	-0.08	8.3e-4	0.05	-0.17	-0.11	-0.08	-0.05	0.01	3071	1.0
y_mean[1282]	-0.7	6.6e-4	0.04	-0.78	-0.73	-0.7	-0.68	-0.63	3312	1.0
y_mean[1283]	-0.18	6.1e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.11	2913	1.0
y_mean[1284]	0.93	7.0e-4	0.05	0.84	0.9	0.93	0.96	1.03	4578	1.0
y_mean[1285]	-0.48	4.0e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3139	1.0
y_mean[1286]	-0.4	3.1e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.36	3974	1.0
y_mean[1287]	0.39	5.3e-4	0.03	0.33	0.37	0.39	0.41	0.46	3954	1.0
y_mean[1288]	0.59	5.0e-4	0.03	0.53	0.57	0.59	0.61	0.65	4122	1.0
y_mean[1289]	-0.37	3.7e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3460	1.0
y_mean[1290]	0.46	4.6e-4	0.03	0.4	0.44	0.46	0.48	0.52	3994	1.0
y_mean[1291]	-0.48	3.8e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3159	1.0
y_mean[1292]	0.2	7.6e-4	0.05	0.1	0.16	0.2	0.23	0.3	4528	1.0
y_mean[1293]	-0.15	5.1e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.09	4023	1.0
y_mean[1294]	-0.46	4.8e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	2971	1.0
y_mean[1295]	-0.87	1.5e-3	0.09	-1.05	-0.93	-0.87	-0.81	-0.7	3415	1.0
y_mean[1296]	0.62	4.7e-4	0.03	0.56	0.6	0.62	0.64	0.68	4732	1.0
y_mean[1297]	0.52	4.8e-4	0.03	0.46	0.5	0.52	0.54	0.58	4146	1.0
y_mean[1298]	-0.1	3.5e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.06	4087	1.0
y_mean[1299]	-0.35	4.7e-4	0.03	-0.41	-0.37	-0.35	-0.33	-0.3	3362	1.0
y_mean[1300]	0.06	4.4e-4	0.03	9.6e-3	0.04	0.06	0.08	0.11	3590	1.0
y_mean[1301]	-0.43	4.5e-4	0.02	-0.48	-0.45	-0.43	-0.41	-0.38	2942	1.0
y_mean[1302]	-0.73	8.6e-4	0.05	-0.84	-0.77	-0.73	-0.7	-0.62	3811	1.0
y_mean[1303]	-0.26	8.0e-4	0.04	-0.34	-0.29	-0.26	-0.23	-0.18	2554	1.0
y_mean[1304]	0.29	4.8e-4	0.03	0.23	0.27	0.29	0.32	0.35	4321	1.0
y_mean[1305]	-0.51	1.2e-3	0.06	-0.63	-0.55	-0.51	-0.47	-0.38	3016	1.0
y_mean[1306]	-0.27	8.2e-4	0.04	-0.35	-0.29	-0.27	-0.24	-0.19	2412	1.0
y_mean[1307]	-0.77	6.3e-4	0.04	-0.84	-0.79	-0.77	-0.74	-0.69	3868	1.0
y_mean[1308]	-0.36	6.6e-4	0.03	-0.43	-0.38	-0.36	-0.34	-0.3	2609	1.0
y_mean[1309]	0.9	1.0e-3	0.08	0.74	0.84	0.9	0.95	1.05	6396	1.0
y_mean[1310]	-0.89	1.3e-3	0.07	-1.04	-0.94	-0.89	-0.85	-0.74	3265	1.0
y_mean[1311]	-0.37	4.2e-4	0.02	-0.42	-0.39	-0.37	-0.36	-0.33	3217	1.0
y_mean[1312]	-0.32	7.1e-4	0.04	-0.4	-0.35	-0.32	-0.3	-0.25	2820	1.0
y_mean[1313]	1.18	6.7e-4	0.04	1.1	1.15	1.18	1.21	1.26	4150	1.0
y_mean[1314]	-0.33	6.7e-4	0.03	-0.4	-0.35	-0.33	-0.31	-0.26	2570	1.0
y_mean[1315]	-0.42	6.5e-4	0.04	-0.49	-0.44	-0.42	-0.4	-0.35	2940	1.0
y_mean[1316]	0.26	5.6e-4	0.03	0.19	0.24	0.26	0.28	0.33	3592	1.0
y_mean[1317]	-0.48	4.6e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.43	3763	1.0
y_mean[1318]	0.97	6.9e-4	0.05	0.88	0.94	0.97	1.0	1.06	4519	1.0
y_mean[1319]	-0.37	4.4e-4	0.02	-0.42	-0.38	-0.37	-0.35	-0.32	3132	1.0
y_mean[1320]	2.75	2.4e-3	0.16	2.42	2.64	2.75	2.86	3.07	4528	1.0

y_mean[1321]	0.72	5.8e-4	0.04	0.65	0.7	0.72	0.75	0.8	4443	1.0
y_mean[1322]	-0.5	4.4e-4	0.03	-0.56	-0.52	-0.5	-0.49	-0.45	3639	1.0
y_mean[1323]	-0.41	7.6e-4	0.04	-0.49	-0.44	-0.41	-0.38	-0.33	3123	1.0
y_mean[1324]	-0.42	5.3e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.36	3675	1.0
y_mean[1325]	0.79	6.8e-4	0.04	0.7	0.76	0.79	0.82	0.87	4045	1.0
y_mean[1326]	-0.37	4.5e-4	0.03	-0.43	-0.39	-0.37	-0.36	-0.32	3839	1.0
y_mean[1327]	0.58	6.1e-4	0.04	0.5	0.56	0.58	0.61	0.67	4563	1.0
y_mean[1328]	-0.18	4.6e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.13	3665	1.0
y_mean[1329]	1.32	1.1e-3	0.07	1.2	1.28	1.32	1.37	1.45	3788	1.0
y_mean[1330]	9.4e-3	4.6e-4	0.03	-0.04	-9.1e-3	8.8e-3	0.03	0.07	3531	1.0
y_mean[1331]	-0.09	5.1e-4	0.03	-0.15	-0.11	-0.09	-0.07	-0.03	3835	1.0
y_mean[1332]	-0.49	3.8e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3167	1.0
y_mean[1333]	-0.19	9.1e-4	0.05	-0.28	-0.22	-0.19	-0.16	-0.1	2519	1.0
y_mean[1334]	3.36	2.3e-3	0.14	3.08	3.27	3.36	3.46	3.63	3612	1.0
y_mean[1335]	-0.5	7.5e-4	0.04	-0.58	-0.53	-0.5	-0.47	-0.41	3619	1.0
y_mean[1336]	1.06	8.3e-4	0.05	0.95	1.02	1.06	1.1	1.16	4213	1.0
y_mean[1337]	-0.2	6.3e-4	0.04	-0.28	-0.23	-0.21	-0.18	-0.13	3632	1.0
y_mean[1338]	-0.73	7.0e-4	0.04	-0.82	-0.76	-0.73	-0.7	-0.65	3686	1.0
y_mean[1339]	-0.12	6.6e-4	0.04	-0.19	-0.15	-0.12	-0.1	-0.05	3092	1.0
y_mean[1340]	-0.35	7.9e-4	0.04	-0.43	-0.37	-0.35	-0.32	-0.27	2431	1.0
y_mean[1341]	-0.31	7.8e-4	0.04	-0.38	-0.33	-0.31	-0.28	-0.23	2451	1.0
y_mean[1342]	0.48	4.6e-4	0.03	0.43	0.46	0.48	0.5	0.54	3976	1.0
y_mean[1343]	-0.15	4.4e-4	0.02	-0.19	-0.16	-0.15	-0.13	-0.1	3156	1.0
y_mean[1344]	-0.43	4.6e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	2864	1.0
y_mean[1345]	-0.5	4.5e-4	0.03	-0.55	-0.51	-0.5	-0.48	-0.44	3316	1.0
y_mean[1346]	-0.17	4.3e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3590	1.0
y_mean[1347]	-0.46	6.4e-4	0.04	-0.53	-0.48	-0.46	-0.43	-0.39	3279	1.0
y_mean[1348]	1.81	1.4e-3	0.09	1.63	1.75	1.8	1.87	1.98	4169	1.0
y_mean[1349]	-0.17	4.2e-4	0.03	-0.22	-0.18	-0.17	-0.15	-0.12	3562	1.0
y_mean[1350]	-0.74	6.4e-4	0.04	-0.81	-0.76	-0.74	-0.71	-0.66	3539	1.0
y_mean[1351]	0.26	7.0e-4	0.04	0.18	0.23	0.26	0.29	0.35	3796	1.0
y_mean[1352]	-0.46	6.1e-4	0.04	-0.53	-0.48	-0.46	-0.43	-0.38	3924	1.0
y_mean[1353]	-0.11	4.0e-4	0.02	-0.15	-0.13	-0.11	-0.1	-0.07	3220	1.0
y_mean[1354]	-0.49	4.9e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3763	1.0
y_mean[1355]	-0.42	4.6e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	3158	1.0
y_mean[1356]	-0.39	4.7e-4	0.03	-0.45	-0.41	-0.39	-0.38	-0.34	3558	1.0
y_mean[1357]	-0.42	3.7e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.38	3867	1.0
y_mean[1358]	0.45	5.5e-4	0.04	0.39	0.43	0.45	0.48	0.53	4299	1.0
y_mean[1359]	-0.13	4.0e-4	0.02	-0.17	-0.14	-0.13	-0.11	-0.08	3292	1.0
y_mean[1360]	1.7	1.0e-3	0.07	1.57	1.66	1.7	1.74	1.83	4233	1.0
y_mean[1361]	-0.4	3.6e-4	0.02	-0.45	-0.42	-0.4	-0.39	-0.36	3920	1.0
y_mean[1362]	-0.49	4.6e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.44	3479	1.0
y_mean[1363]	-0.47	3.7e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.42	4219	1.0
y_mean[1364]	-0.5	4.1e-4	0.02	-0.55	-0.52	-0.5	-0.48	-0.45	3634	1.0
y_mean[1365]	-0.09	4.1e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	3661	1.0
y_mean[1366]	-0.35	3.7e-4	0.02	-0.39	-0.36	-0.35	-0.33	-0.3	3489	1.0
y_mean[1367]	-0.12	4.1e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.08	3198	1.0
y_mean[1368]	0.05	4.9e-4	0.03	-3.0e-3	0.03	0.05	0.07	0.11	3745	1.0

y_mean[1369]	0.49	5.2e-4	0.03	0.43	0.47	0.49	0.52	0.56	4398	1.0
y_mean[1370]	0.5	4.6e-4	0.03	0.44	0.48	0.5	0.52	0.56	3984	1.0
y_mean[1371]	-0.75	5.6e-4	0.04	-0.82	-0.77	-0.75	-0.72	-0.68	3923	1.0
y_mean[1372]	-0.16	4.1e-4	0.02	-0.21	-0.17	-0.16	-0.14	-0.11	3494	1.0
y_mean[1373]	-0.29	3.8e-4	0.02	-0.34	-0.31	-0.29	-0.28	-0.24	3754	1.0
y_mean[1374]	-0.16	6.0e-4	0.03	-0.22	-0.18	-0.16	-0.13	-0.09	2982	1.0
y_mean[1375]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3100	1.0
y_mean[1376]	0.03	5.0e-4	0.03	-0.02	0.01	0.03	0.05	0.09	3265	1.0
y_mean[1377]	0.21	6.3e-4	0.04	0.14	0.19	0.21	0.24	0.29	3881	1.0
y_mean[1378]	-0.31	4.0e-4	0.02	-0.36	-0.33	-0.31	-0.3	-0.27	3392	1.0
y_mean[1379]	-0.74	6.3e-4	0.04	-0.82	-0.77	-0.74	-0.72	-0.67	3623	1.0
y_mean[1380]	-0.67	6.9e-4	0.04	-0.75	-0.7	-0.67	-0.65	-0.6	3266	1.0
y_mean[1381]	-0.46	4.1e-4	0.02	-0.51	-0.47	-0.46	-0.44	-0.41	3398	1.0
y_mean[1382]	-0.48	3.8e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3161	1.0
y_mean[1383]	-0.24	6.9e-4	0.04	-0.31	-0.26	-0.24	-0.21	-0.15	3655	1.0
y_mean[1384]	-0.34	5.7e-4	0.03	-0.4	-0.36	-0.34	-0.32	-0.27	3584	1.0
y_mean[1385]	0.48	7.1e-4	0.04	0.4	0.46	0.48	0.51	0.57	3537	1.0
y_mean[1386]	-0.21	6.3e-4	0.03	-0.28	-0.23	-0.21	-0.19	-0.15	2805	1.0
y_mean[1387]	-0.43	4.5e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.38	3429	1.0
y_mean[1388]	-0.26	6.6e-4	0.04	-0.34	-0.29	-0.26	-0.24	-0.18	3589	1.0
y_mean[1389]	0.74	1.1e-3	0.07	0.61	0.7	0.74	0.79	0.87	4090	1.0
y_mean[1390]	0.31	8.3e-4	0.05	0.21	0.27	0.31	0.34	0.41	3609	1.0
y_mean[1391]	-0.07	4.2e-4	0.02	-0.12	-0.09	-0.07	-0.05	-0.02	3190	1.0
y_mean[1392]	-0.73	6.9e-4	0.04	-0.81	-0.76	-0.73	-0.7	-0.65	3615	1.0
y_mean[1393]	-0.39	5.6e-4	0.04	-0.45	-0.41	-0.39	-0.36	-0.32	3974	1.0
y_mean[1394]	-0.12	5.0e-4	0.03	-0.17	-0.13	-0.12	-0.1	-0.06	2905	1.0
y_mean[1395]	-0.36	4.9e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.31	3189	1.0
y_mean[1396]	-0.75	5.7e-4	0.03	-0.81	-0.77	-0.75	-0.72	-0.68	3730	1.0
y_mean[1397]	-0.4	5.0e-4	0.03	-0.45	-0.41	-0.4	-0.38	-0.34	3269	1.0
y_mean[1398]	1.0	6.5e-4	0.05	0.91	0.97	1.0	1.03	1.09	5034	1.0
y_mean[1399]	-0.36	5.5e-4	0.03	-0.42	-0.38	-0.36	-0.33	-0.29	3745	1.0
y_mean[1400]	-0.42	7.0e-4	0.04	-0.5	-0.45	-0.42	-0.39	-0.35	3046	1.0
y_mean[1401]	-0.35	5.7e-4	0.04	-0.43	-0.38	-0.36	-0.33	-0.28	3953	1.0
y_mean[1402]	-0.19	7.0e-4	0.04	-0.27	-0.22	-0.19	-0.16	-0.1	3731	1.0
y_mean[1403]	-0.68	8.0e-4	0.04	-0.77	-0.71	-0.68	-0.65	-0.59	3102	1.0
y_mean[1404]	-0.34	4.0e-4	0.02	-0.38	-0.35	-0.34	-0.32	-0.29	3357	1.0
y_mean[1405]	-0.51	4.6e-4	0.03	-0.56	-0.53	-0.51	-0.49	-0.45	3621	1.0
y_mean[1406]	-0.68	9.6e-4	0.05	-0.77	-0.71	-0.68	-0.65	-0.58	2556	1.0
y_mean[1407]	-0.72	5.7e-4	0.04	-0.79	-0.74	-0.72	-0.7	-0.65	3838	1.0
y_mean[1408]	-0.58	1.2e-3	0.06	-0.7	-0.62	-0.58	-0.54	-0.46	2599	1.0
y_mean[1409]	-0.45	5.6e-4	0.03	-0.51	-0.47	-0.45	-0.43	-0.38	3520	1.0
y_mean[1410]	-0.5	5.7e-4	0.03	-0.57	-0.52	-0.5	-0.47	-0.43	3671	1.0
y_mean[1411]	-0.11	8.3e-4	0.04	-0.19	-0.14	-0.11	-0.08	-0.03	2637	1.0
y_mean[1412]	-0.03	4.4e-4	0.03	-0.08	-0.04	-0.03	-7.8e-3	0.03	3661	1.0
y_mean[1413]	-0.42	5.8e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.37	2703	1.0
y_mean[1414]	0.97	7.2e-4	0.05	0.87	0.93	0.97	1.0	1.06	4363	1.0
y_mean[1415]	-0.47	4.4e-4	0.02	-0.52	-0.48	-0.47	-0.45	-0.42	2911	1.0
y_mean[1416]	-0.27	5.7e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.21	3026	1.0

y_mean[1417]	-0.19	5.5e-4	0.03	-0.25	-0.21	-0.19	-0.16	-0.12	3786	1.0
y_mean[1418]	0.06	4.4e-4	0.03	0.01	0.05	0.06	0.08	0.12	3638	1.0
y_mean[1419]	-0.75	5.8e-4	0.04	-0.82	-0.78	-0.75	-0.73	-0.68	3919	1.0
y_mean[1420]	1.33	6.9e-4	0.05	1.23	1.29	1.33	1.36	1.42	4723	1.0
y_mean[1421]	-0.72	5.8e-4	0.03	-0.79	-0.75	-0.72	-0.7	-0.66	3579	1.0
y_mean[1422]	-0.19	7.1e-4	0.04	-0.28	-0.22	-0.19	-0.16	-0.11	3681	1.0
y_mean[1423]	0.98	9.0e-4	0.06	0.87	0.94	0.98	1.02	1.1	4280	1.0
y_mean[1424]	-0.13	7.0e-4	0.04	-0.21	-0.16	-0.13	-0.11	-0.06	2805	1.0
y_mean[1425]	0.45	5.3e-4	0.03	0.38	0.43	0.45	0.47	0.51	4049	1.0
y_mean[1426]	-0.51	5.2e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3587	1.0
y_mean[1427]	-0.42	4.5e-4	0.03	-0.48	-0.44	-0.42	-0.41	-0.37	3439	1.0
y_mean[1428]	-0.15	4.1e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	3607	1.0
y_mean[1429]	0.18	4.5e-4	0.03	0.13	0.16	0.18	0.2	0.23	3625	1.0
y_mean[1430]	0.49	4.7e-4	0.03	0.43	0.47	0.49	0.51	0.55	4144	1.0
y_mean[1431]	-0.41	3.4e-4	0.02	-0.46	-0.43	-0.41	-0.4	-0.37	3925	1.0
y_mean[1432]	-0.33	4.4e-4	0.02	-0.38	-0.35	-0.33	-0.31	-0.28	3166	1.0
y_mean[1433]	0.97	9.0e-4	0.06	0.86	0.93	0.97	1.01	1.08	4047	1.0
y_mean[1434]	0.12	7.0e-4	0.04	0.04	0.09	0.12	0.15	0.21	3898	1.0
y_mean[1435]	0.63	5.1e-4	0.03	0.57	0.61	0.63	0.65	0.69	4061	1.0
y_mean[1436]	-0.38	4.4e-4	0.03	-0.43	-0.4	-0.38	-0.37	-0.33	3415	1.0
y_mean[1437]	-0.53	6.8e-4	0.04	-0.61	-0.55	-0.53	-0.5	-0.45	3404	1.0
y_mean[1438]	-0.76	6.4e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3902	1.0
y_mean[1439]	-0.74	8.7e-4	0.05	-0.85	-0.78	-0.74	-0.71	-0.64	3755	1.0
y_mean[1440]	0.28	7.8e-4	0.05	0.19	0.25	0.28	0.32	0.38	3883	1.0
y_mean[1441]	2.6	1.7e-3	0.1	2.4	2.53	2.6	2.67	2.8	3755	1.0
y_mean[1442]	0.42	4.9e-4	0.03	0.36	0.4	0.42	0.45	0.49	4421	1.0
y_mean[1443]	-0.48	4.1e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3291	1.0
y_mean[1444]	-0.18	4.5e-4	0.03	-0.23	-0.19	-0.18	-0.16	-0.12	3637	1.0
y_mean[1445]	-0.23	5.1e-4	0.03	-0.29	-0.25	-0.23	-0.21	-0.17	3183	1.0
y_mean[1446]	0.96	5.1e-4	0.03	0.9	0.94	0.96	0.99	1.03	3879	1.0
y_mean[1447]	-0.35	3.8e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.31	3693	1.0
y_mean[1448]	-0.42	4.2e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	4004	1.0
y_mean[1449]	0.48	4.6e-4	0.03	0.43	0.46	0.48	0.5	0.54	3976	1.0
y_mean[1450]	0.79	6.8e-4	0.04	0.71	0.76	0.79	0.82	0.88	4071	1.0
y_mean[1451]	-0.18	5.0e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	3874	1.0
y_mean[1452]	-0.33	4.7e-4	0.03	-0.38	-0.35	-0.33	-0.31	-0.28	3103	1.0
y_mean[1453]	-0.12	4.0e-4	0.02	-0.16	-0.14	-0.12	-0.1	-0.08	3280	1.0
y_mean[1454]	-0.33	5.0e-4	0.03	-0.39	-0.35	-0.33	-0.32	-0.28	3187	1.0
y_mean[1455]	-0.33	8.2e-4	0.04	-0.42	-0.36	-0.33	-0.3	-0.25	2883	1.0
y_mean[1456]	-0.06	4.1e-4	0.03	-0.11	-0.07	-0.06	-0.04	-5.1e-3	3884	1.0
y_mean[1457]	-0.15	4.8e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.1	3145	1.0
y_mean[1458]	-0.25	6.7e-4	0.04	-0.32	-0.27	-0.25	-0.23	-0.18	2722	1.0
y_mean[1459]	-0.48	4.5e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.42	3445	1.0
y_mean[1460]	-0.37	5.3e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.31	3645	1.0
y_mean[1461]	0.8	4.5e-4	0.03	0.74	0.78	0.8	0.82	0.86	4573	1.0
y_mean[1462]	-0.49	4.8e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3761	1.0
y_mean[1463]	-0.1	4.5e-4	0.02	-0.15	-0.12	-0.1	-0.09	-0.06	2955	1.0
y_mean[1464]	-0.11	3.7e-4	0.02	-0.16	-0.13	-0.11	-0.1	-0.07	4213	1.0

y_mean[1465]	-0.51	5.3e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3577	1.0
y_mean[1466]	-0.42	4.8e-4	0.03	-0.48	-0.44	-0.42	-0.41	-0.38	2851	1.0
y_mean[1467]	-0.34	6.4e-4	0.03	-0.4	-0.36	-0.34	-0.31	-0.27	2676	1.0
y_mean[1468]	-0.46	5.1e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3549	1.0
y_mean[1469]	-0.49	4.6e-4	0.03	-0.55	-0.51	-0.5	-0.48	-0.44	3712	1.0
y_mean[1470]	0.1	4.1e-4	0.03	0.05	0.09	0.1	0.12	0.15	3648	1.0
y_mean[1471]	0.28	8.2e-4	0.05	0.18	0.25	0.28	0.31	0.38	3861	1.0
y_mean[1472]	-0.75	6.4e-4	0.04	-0.83	-0.78	-0.75	-0.72	-0.67	3903	1.0
y_mean[1473]	0.06	4.9e-4	0.03	-6.0e-4	0.04	0.06	0.08	0.11	3476	1.0
y_mean[1474]	-0.49	3.9e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3250	1.0
y_mean[1475]	-0.32	6.1e-4	0.04	-0.39	-0.35	-0.32	-0.3	-0.25	3359	1.0
y_mean[1476]	-0.7	7.2e-4	0.04	-0.78	-0.73	-0.7	-0.67	-0.62	3114	1.0
y_mean[1477]	-0.12	4.8e-4	0.03	-0.16	-0.13	-0.12	-0.1	-0.06	2912	1.0
y_mean[1478]	-0.46	4.4e-4	0.02	-0.5	-0.47	-0.46	-0.44	-0.41	2720	1.0
y_mean[1479]	-0.51	4.5e-4	0.03	-0.56	-0.52	-0.51	-0.49	-0.45	3630	1.0
y_mean[1480]	1.14	9.5e-4	0.06	1.03	1.1	1.14	1.18	1.27	4234	1.0
y_mean[1481]	-0.51	5.5e-4	0.03	-0.58	-0.53	-0.51	-0.49	-0.45	3562	1.0
y_mean[1482]	-0.12	3.9e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	3454	1.0
y_mean[1483]	-0.17	4.3e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3590	1.0
y_mean[1484]	-0.72	6.2e-4	0.04	-0.8	-0.75	-0.72	-0.7	-0.64	4152	1.0
y_mean[1485]	3.1	1.3e-3	0.09	2.92	3.04	3.1	3.17	3.29	4899	1.0
y_mean[1486]	1.7	1.0e-3	0.07	1.58	1.66	1.71	1.75	1.83	4234	1.0
y_mean[1487]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3041	1.0
y_mean[1488]	-0.19	6.7e-4	0.04	-0.26	-0.21	-0.19	-0.16	-0.12	2903	1.0
y_mean[1489]	-0.06	5.3e-4	0.03	-0.12	-0.08	-0.06	-0.04	7.8e-3	3693	1.0
y_mean[1490]	-0.23	5.8e-4	0.03	-0.29	-0.25	-0.23	-0.2	-0.16	3418	1.0
y_mean[1491]	0.42	4.9e-4	0.03	0.36	0.4	0.42	0.44	0.48	3991	1.0
y_mean[1492]	-0.48	4.4e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.43	3375	1.0
y_mean[1493]	0.77	7.5e-4	0.05	0.67	0.73	0.77	0.8	0.87	4652	1.0
y_mean[1494]	-0.42	4.6e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	3200	1.0
y_mean[1495]	-0.44	5.1e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.37	4046	1.0
y_mean[1496]	-0.2	7.3e-4	0.04	-0.27	-0.22	-0.2	-0.17	-0.13	2612	1.0
y_mean[1497]	0.58	4.9e-4	0.03	0.52	0.56	0.58	0.6	0.64	4048	1.0
y_mean[1498]	-0.4	5.7e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	2796	1.0
y_mean[1499]	-0.49	4.8e-4	0.03	-0.54	-0.51	-0.49	-0.47	-0.43	3765	1.0
y_mean[1500]	-0.73	5.3e-4	0.03	-0.8	-0.76	-0.73	-0.71	-0.67	4140	1.0
y_mean[1501]	-0.33	7.8e-4	0.04	-0.41	-0.36	-0.33	-0.31	-0.26	2531	1.0
y_mean[1502]	-0.43	3.5e-4	0.02	-0.47	-0.44	-0.43	-0.41	-0.39	3576	1.0
y_mean[1503]	0.11	5.8e-4	0.03	0.04	0.08	0.11	0.13	0.18	3590	1.0
y_mean[1504]	-0.47	4.3e-4	0.02	-0.52	-0.48	-0.47	-0.45	-0.42	2879	1.0
y_mean[1505]	0.24	7.4e-4	0.05	0.15	0.21	0.24	0.27	0.34	4570	1.0
y_mean[1506]	-0.36	5.5e-4	0.03	-0.41	-0.37	-0.36	-0.34	-0.3	2774	1.0
y_mean[1507]	-0.5	4.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	3336	1.0
y_mean[1508]	-0.5	4.6e-4	0.03	-0.55	-0.51	-0.5	-0.48	-0.44	3699	1.0
y_mean[1509]	0.05	4.9e-4	0.03	-8.5e-3	0.03	0.05	0.06	0.1	3610	1.0
y_mean[1510]	-0.05	5.1e-4	0.03	-0.1	-0.07	-0.05	-0.03	4.4e-3	2924	1.0
y_mean[1511]	-0.39	4.3e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.34	3388	1.0
y_mean[1512]	0.4	6.6e-4	0.04	0.32	0.37	0.4	0.43	0.49	4364	1.0

y_mean[1513]	-0.59	9.3e-4	0.06	-0.7	-0.63	-0.59	-0.56	-0.49	3534	1.0
y_mean[1514]	-0.13	4.0e-4	0.02	-0.18	-0.15	-0.13	-0.12	-0.09	3356	1.0
y_mean[1515]	0.02	6.7e-4	0.04	-0.06	-6.0e-3	0.02	0.05	0.1	3360	1.0
y_mean[1516]	-0.5	4.2e-4	0.02	-0.55	-0.51	-0.5	-0.48	-0.45	3205	1.0
y_mean[1517]	-0.21	6.1e-4	0.04	-0.28	-0.23	-0.21	-0.18	-0.14	3590	1.0
y_mean[1518]	0.03	3.9e-4	0.02	-0.01	0.02	0.03	0.05	0.08	3394	1.0
y_mean[1519]	-0.38	7.8e-4	0.04	-0.46	-0.41	-0.38	-0.35	-0.3	2831	1.0
y_mean[1520]	-0.74	5.6e-4	0.03	-0.8	-0.76	-0.74	-0.71	-0.67	3750	1.0
y_mean[1521]	2.04	1.5e-3	0.09	1.87	1.98	2.04	2.1	2.2	3172	1.0
y_mean[1522]	0.32	6.4e-4	0.04	0.25	0.3	0.32	0.35	0.39	3326	1.0
y_mean[1523]	-0.21	6.5e-4	0.04	-0.29	-0.24	-0.21	-0.19	-0.14	3531	1.0
y_mean[1524]	-0.4	5.9e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	2805	1.0
y_mean[1525]	-0.26	6.9e-4	0.04	-0.33	-0.28	-0.26	-0.23	-0.19	2679	1.0
y_mean[1526]	-0.14	4.7e-4	0.03	-0.19	-0.16	-0.14	-0.12	-0.09	3049	1.0
y_mean[1527]	-0.37	3.4e-4	0.02	-0.41	-0.39	-0.37	-0.36	-0.33	3763	1.0
y_mean[1528]	0.29	6.8e-4	0.04	0.21	0.26	0.29	0.32	0.38	4023	1.0
y_mean[1529]	0.52	4.7e-4	0.03	0.46	0.5	0.52	0.54	0.58	4030	1.0
y_mean[1530]	-0.72	5.8e-4	0.04	-0.79	-0.74	-0.71	-0.69	-0.65	3764	1.0
y_mean[1531]	-0.48	3.8e-4	0.02	-0.52	-0.5	-0.48	-0.47	-0.44	3000	1.0
y_mean[1532]	0.74	6.7e-4	0.04	0.66	0.71	0.74	0.78	0.83	4447	1.0
y_mean[1533]	-0.47	4.8e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3974	1.0
y_mean[1534]	-0.4	5.5e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	2917	1.0
y_mean[1535]	-0.64	8.9e-4	0.04	-0.73	-0.67	-0.64	-0.61	-0.55	2533	1.0
y_mean[1536]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3055	1.0
y_mean[1537]	1.6	7.5e-4	0.06	1.49	1.56	1.6	1.64	1.72	5938	1.0
y_mean[1538]	-0.49	4.1e-4	0.02	-0.54	-0.51	-0.49	-0.47	-0.44	3599	1.0
y_mean[1539]	0.11	5.4e-4	0.03	0.05	0.09	0.11	0.13	0.18	3619	1.0
y_mean[1540]	-0.42	3.7e-4	0.02	-0.47	-0.44	-0.42	-0.41	-0.38	3204	1.0
y_mean[1541]	-0.16	4.7e-4	0.03	-0.22	-0.18	-0.16	-0.14	-0.11	3311	1.0
y_mean[1542]	0.44	4.6e-4	0.03	0.39	0.42	0.44	0.46	0.5	3966	1.0
y_mean[1543]	-0.46	6.4e-4	0.04	-0.53	-0.48	-0.46	-0.43	-0.38	3299	1.0
y_mean[1544]	-0.41	5.3e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.35	3155	1.0
y_mean[1545]	0.23	9.0e-4	0.06	0.13	0.2	0.23	0.27	0.34	3825	1.0
y_mean[1546]	0.19	4.2e-4	0.03	0.14	0.17	0.19	0.2	0.24	3618	1.0
y_mean[1547]	-0.43	6.0e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	2740	1.0
y_mean[1548]	-0.43	6.5e-4	0.04	-0.51	-0.46	-0.43	-0.41	-0.36	3621	1.0
y_mean[1549]	-0.67	7.5e-4	0.04	-0.76	-0.7	-0.67	-0.64	-0.58	3395	1.0
y_mean[1550]	0.1	5.4e-4	0.03	0.04	0.08	0.1	0.13	0.17	4041	1.0
y_mean[1551]	-0.47	4.2e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.43	2885	1.0
y_mean[1552]	0.2	7.0e-4	0.04	0.12	0.17	0.2	0.23	0.29	4056	1.0
y_mean[1553]	-0.96	2.2e-3	0.13	-1.21	-1.05	-0.96	-0.88	-0.71	3238	1.0
y_mean[1554]	-0.08	6.8e-4	0.04	-0.15	-0.11	-0.08	-0.06	-9.0e-3	2902	1.0
y_mean[1555]	0.02	6.3e-4	0.04	-0.05	-4.6e-3	0.02	0.05	0.1	3894	1.0
y_mean[1556]	-0.73	5.7e-4	0.03	-0.79	-0.75	-0.73	-0.7	-0.66	3656	1.0
y_mean[1557]	-0.04	6.0e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	2993	1.0
y_mean[1558]	-0.1	4.1e-4	0.02	-0.14	-0.11	-0.1	-0.08	-0.05	3105	1.0
y_mean[1559]	-0.09	4.1e-4	0.02	-0.14	-0.11	-0.09	-0.08	-0.05	3204	1.0
y_mean[1560]	0.42	4.6e-4	0.03	0.37	0.41	0.42	0.45	0.48	3979	1.0

y_mean[1561]	0.43	7.9e-4	0.05	0.33	0.39	0.43	0.46	0.53	4172	1.0
y_mean[1562]	1.57	6.6e-4	0.05	1.48	1.54	1.57	1.6	1.66	4919	1.0
y_mean[1563]	0.38	4.9e-4	0.03	0.32	0.36	0.38	0.4	0.44	3937	1.0
y_mean[1564]	-0.19	7.4e-4	0.04	-0.28	-0.22	-0.19	-0.16	-0.1	3457	1.0
y_mean[1565]	-0.16	4.2e-4	0.02	-0.21	-0.18	-0.16	-0.14	-0.11	3442	1.0
y_mean[1566]	0.05	4.9e-4	0.03	1.9e-4	0.03	0.05	0.07	0.11	3566	1.0
y_mean[1567]	1.3	6.9e-4	0.05	1.21	1.27	1.3	1.33	1.39	4248	1.0
y_mean[1568]	-0.21	7.9e-4	0.05	-0.3	-0.24	-0.21	-0.18	-0.12	3530	1.0
y_mean[1569]	0.28	5.1e-4	0.03	0.21	0.26	0.28	0.3	0.34	4215	1.0
y_mean[1570]	-0.39	5.1e-4	0.03	-0.44	-0.41	-0.39	-0.37	-0.33	2950	1.0
y_mean[1571]	-0.2	5.6e-4	0.03	-0.27	-0.22	-0.2	-0.18	-0.14	3671	1.0
y_mean[1572]	-0.44	4.8e-4	0.02	-0.49	-0.46	-0.44	-0.42	-0.39	2699	1.0
y_mean[1573]	0.41	7.0e-4	0.04	0.32	0.38	0.41	0.44	0.49	3916	1.0
y_mean[1574]	-0.46	4.3e-4	0.02	-0.51	-0.48	-0.46	-0.45	-0.42	2767	1.0
y_mean[1575]	0.39	4.8e-4	0.03	0.33	0.37	0.39	0.41	0.45	3954	1.0
y_mean[1576]	-0.45	5.1e-4	0.03	-0.5	-0.47	-0.45	-0.43	-0.4	2823	1.0
y_mean[1577]	0.78	6.1e-4	0.04	0.7	0.75	0.78	0.81	0.86	4338	1.0
y_mean[1578]	-0.39	4.0e-4	0.02	-0.44	-0.41	-0.39	-0.38	-0.35	3403	1.0
y_mean[1579]	-0.18	5.6e-4	0.03	-0.25	-0.2	-0.18	-0.16	-0.11	3793	1.0
y_mean[1580]	-0.47	9.1e-4	0.05	-0.57	-0.5	-0.47	-0.43	-0.37	3074	1.0
y_mean[1581]	-0.41	5.5e-4	0.03	-0.47	-0.43	-0.41	-0.39	-0.35	3057	1.0
y_mean[1582]	-0.12	4.0e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	3227	1.0
y_mean[1583]	-0.62	7.4e-4	0.04	-0.7	-0.65	-0.62	-0.59	-0.54	2965	1.0
y_mean[1584]	-0.14	5.8e-4	0.03	-0.21	-0.17	-0.14	-0.12	-0.07	3597	1.0
y_mean[1585]	1.22	7.0e-4	0.04	1.14	1.19	1.22	1.25	1.31	3817	1.0
y_mean[1586]	1.42	1.1e-3	0.07	1.29	1.38	1.43	1.47	1.56	3776	1.0
y_mean[1587]	-0.19	4.9e-4	0.03	-0.24	-0.21	-0.19	-0.17	-0.13	3627	1.0
y_mean[1588]	-0.48	3.9e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	3190	1.0
y_mean[1589]	1.33	1.2e-3	0.08	1.18	1.28	1.33	1.38	1.48	4170	1.0
y_mean[1590]	1.08	5.6e-4	0.04	1.0	1.05	1.07	1.1	1.15	4330	1.0
y_mean[1591]	-0.27	5.4e-4	0.03	-0.33	-0.29	-0.27	-0.25	-0.2	3926	1.0
y_mean[1592]	0.38	4.6e-4	0.03	0.32	0.36	0.38	0.4	0.44	4174	1.0
y_mean[1593]	0.33	4.9e-4	0.03	0.26	0.31	0.33	0.35	0.39	4505	1.0
y_mean[1594]	-0.76	6.3e-4	0.04	-0.84	-0.79	-0.77	-0.74	-0.69	3840	1.0
y_mean[1595]	-0.49	4.3e-4	0.02	-0.54	-0.51	-0.49	-0.47	-0.44	3233	1.0
y_mean[1596]	-0.48	4.2e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	3133	1.0
y_mean[1597]	-0.37	6.4e-4	0.03	-0.43	-0.39	-0.37	-0.35	-0.3	2720	1.0
y_mean[1598]	-0.18	5.1e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.12	3701	1.0
y_mean[1599]	1.53	1.2e-3	0.07	1.39	1.48	1.53	1.58	1.67	3751	1.0
y_mean[1600]	-0.73	5.6e-4	0.04	-0.8	-0.75	-0.73	-0.7	-0.66	4080	1.0
y_mean[1601]	-0.52	5.7e-4	0.03	-0.59	-0.54	-0.52	-0.5	-0.45	3496	1.0
y_mean[1602]	0.21	7.1e-4	0.05	0.12	0.18	0.21	0.24	0.29	4022	1.0
y_mean[1603]	0.06	4.7e-4	0.03	5.3e-3	0.04	0.06	0.08	0.11	3445	1.0
y_mean[1604]	-0.12	4.4e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.08	3024	1.0
y_mean[1605]	0.13	6.7e-4	0.04	0.06	0.1	0.13	0.15	0.2	2966	1.0
y_mean[1606]	-0.08	4.1e-4	0.03	-0.13	-0.09	-0.08	-0.06	-0.03	3761	1.0
y_mean[1607]	-0.44	5.1e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.38	3846	1.0
y_mean[1608]	1.31	9.1e-4	0.06	1.19	1.27	1.3	1.35	1.42	4276	1.0

y_mean[1609]	-0.49	4.2e-4	0.03	-0.54	-0.51	-0.49	-0.48	-0.44	3698	1.0
y_mean[1610]	0.68	8.2e-4	0.05	0.58	0.65	0.68	0.72	0.78	4041	1.0
y_mean[1611]	-0.71	6.0e-4	0.04	-0.78	-0.73	-0.71	-0.68	-0.63	4213	1.0
y_mean[1612]	-0.06	4.2e-4	0.02	-0.11	-0.08	-0.06	-0.05	-0.02	3189	1.0
y_mean[1613]	-0.49	5.8e-4	0.04	-0.56	-0.51	-0.49	-0.46	-0.42	3762	1.0
y_mean[1614]	0.9	7.0e-4	0.04	0.81	0.87	0.9	0.93	0.99	4037	1.0
y_mean[1615]	-0.71	5.9e-4	0.04	-0.78	-0.74	-0.71	-0.69	-0.65	3564	1.0
y_mean[1616]	0.64	9.9e-4	0.07	0.5	0.59	0.64	0.68	0.77	4657	1.0
y_mean[1617]	0.42	5.8e-4	0.04	0.34	0.39	0.42	0.44	0.49	4233	1.0
y_mean[1618]	-0.3	6.3e-4	0.04	-0.38	-0.33	-0.3	-0.27	-0.22	4018	1.0
y_mean[1619]	-0.43	6.6e-4	0.04	-0.5	-0.45	-0.43	-0.4	-0.36	3281	1.0
y_mean[1620]	0.41	5.2e-4	0.03	0.34	0.39	0.41	0.43	0.47	4023	1.0
y_mean[1621]	-0.27	7.0e-4	0.05	-0.36	-0.3	-0.27	-0.24	-0.18	4203	1.0
y_mean[1622]	0.26	5.0e-4	0.03	0.21	0.24	0.26	0.28	0.32	3614	1.0
y_mean[1623]	0.45	6.5e-4	0.04	0.36	0.42	0.45	0.48	0.53	4415	1.0
y_mean[1624]	-0.11	5.2e-4	0.03	-0.17	-0.13	-0.11	-0.1	-0.06	2890	1.0
y_mean[1625]	-0.42	4.6e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	3515	1.0
y_mean[1626]	0.69	5.5e-4	0.04	0.62	0.67	0.69	0.72	0.76	4312	1.0
y_mean[1627]	-0.05	4.8e-4	0.03	-0.1	-0.07	-0.05	-0.03	2.8e-3	2947	1.0
y_mean[1628]	-0.45	2.9e-4	0.02	-0.48	-0.46	-0.45	-0.43	-0.41	4511	1.0
y_mean[1629]	0.41	5.5e-4	0.04	0.34	0.38	0.41	0.43	0.48	4114	1.0
y_mean[1630]	-0.48	5.0e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.42	3852	1.0
y_mean[1631]	-0.7	7.1e-4	0.04	-0.77	-0.72	-0.7	-0.67	-0.62	3158	1.0
y_mean[1632]	-0.04	4.3e-4	0.02	-0.09	-0.06	-0.04	-0.03	4.5e-3	3281	1.0
y_mean[1633]	-0.51	4.7e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.45	3599	1.0
y_mean[1634]	-0.14	3.9e-4	0.03	-0.19	-0.16	-0.14	-0.13	-0.09	4077	1.0
y_mean[1635]	-0.38	4.3e-4	0.03	-0.43	-0.4	-0.38	-0.36	-0.33	3453	1.0
y_mean[1636]	-0.49	4.7e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3737	1.0
y_mean[1637]	-0.47	5.2e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3838	1.0
y_mean[1638]	0.26	7.0e-4	0.05	0.17	0.23	0.26	0.29	0.35	4838	1.0
y_mean[1639]	-0.43	4.7e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	2740	1.0
y_mean[1640]	-0.46	4.8e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	2971	1.0
y_mean[1641]	0.93	7.8e-4	0.05	0.83	0.89	0.93	0.97	1.04	4578	1.0
y_mean[1642]	-0.09	4.3e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	3002	1.0
y_mean[1643]	0.78	8.3e-4	0.06	0.66	0.74	0.78	0.82	0.89	4676	1.0
y_mean[1644]	0.08	5.2e-4	0.03	0.03	0.06	0.08	0.1	0.15	3555	1.0
y_mean[1645]	-0.74	5.6e-4	0.03	-0.81	-0.77	-0.74	-0.72	-0.68	3804	1.0
y_mean[1646]	-0.42	5.9e-4	0.04	-0.49	-0.44	-0.42	-0.39	-0.35	3766	1.0
y_mean[1647]	0.2	5.7e-4	0.04	0.12	0.17	0.2	0.22	0.27	4535	1.0
y_mean[1648]	-0.14	4.0e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	3421	1.0
y_mean[1649]	-0.14	8.5e-4	0.05	-0.24	-0.17	-0.14	-0.1	-0.04	3521	1.0
y_mean[1650]	0.16	7.6e-4	0.04	0.07	0.13	0.16	0.19	0.24	3392	1.0
y_mean[1651]	0.24	1.0e-3	0.05	0.13	0.2	0.24	0.27	0.34	2746	1.0
y_mean[1652]	-0.06	4.2e-4	0.02	-0.11	-0.08	-0.07	-0.05	-0.02	3189	1.0
y_mean[1653]	-0.54	9.9e-4	0.05	-0.64	-0.57	-0.54	-0.5	-0.43	2629	1.0
y_mean[1654]	-0.34	6.3e-4	0.04	-0.41	-0.36	-0.34	-0.31	-0.27	3143	1.0
y_mean[1655]	3.63	2.6e-3	0.14	3.36	3.53	3.63	3.72	3.89	2767	1.0
y_mean[1656]	0.44	7.2e-4	0.05	0.35	0.41	0.44	0.48	0.54	4856	1.0

y_mean[1657]	-0.33	3.8e-4	0.02	-0.38	-0.35	-0.33	-0.32	-0.29	3468	1.0
y_mean[1658]	0.16	5.8e-4	0.04	0.09	0.13	0.16	0.18	0.23	4193	1.0
y_mean[1659]	-0.14	4.3e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.09	3170	1.0
y_mean[1660]	3.05	4.1e-3	0.29	2.5	2.85	3.06	3.25	3.62	4850	1.0
y_mean[1661]	-0.17	7.5e-4	0.05	-0.26	-0.2	-0.17	-0.14	-0.07	4053	1.0
y_mean[1662]	0.45	4.6e-4	0.03	0.4	0.43	0.45	0.47	0.51	4097	1.0
y_mean[1663]	-0.97	1.3e-3	0.08	-1.12	-1.02	-0.97	-0.91	-0.82	3566	1.0
y_mean[1664]	0.02	5.7e-4	0.03	-0.04	-4.1e-3	0.02	0.04	0.08	3216	1.0
y_mean[1665]	-0.41	5.5e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.35	2981	1.0
y_mean[1666]	-0.41	2.9e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	3836	1.0
y_mean[1667]	0.65	7.5e-4	0.05	0.56	0.62	0.65	0.68	0.74	3601	1.0
y_mean[1668]	-0.48	4.1e-4	0.02	-0.53	-0.5	-0.48	-0.46	-0.44	3198	1.0
y_mean[1669]	-0.35	4.4e-4	0.02	-0.4	-0.37	-0.35	-0.34	-0.3	3131	1.0
y_mean[1670]	-0.07	8.7e-4	0.05	-0.16	-0.1	-0.07	-0.04	0.01	2715	1.0
y_mean[1671]	0.03	3.8e-4	0.02	-0.01	0.02	0.03	0.05	0.08	3812	1.0
y_mean[1672]	-0.43	5.8e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	2720	1.0
y_mean[1673]	-0.46	4.1e-4	0.03	-0.51	-0.48	-0.46	-0.45	-0.41	3991	1.0
y_mean[1674]	0.35	4.9e-4	0.03	0.29	0.33	0.35	0.37	0.41	3646	1.0
y_mean[1675]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3990	1.0
y_mean[1676]	-0.41	4.8e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.36	3243	1.0
y_mean[1677]	-0.32	6.7e-4	0.03	-0.39	-0.34	-0.32	-0.29	-0.25	2545	1.0
y_mean[1678]	0.44	4.6e-4	0.03	0.39	0.42	0.44	0.46	0.5	4035	1.0
y_mean[1679]	0.51	8.3e-4	0.05	0.41	0.47	0.51	0.55	0.62	4236	1.0
y_mean[1680]	0.61	7.4e-4	0.05	0.52	0.58	0.61	0.64	0.7	3729	1.0
y_mean[1681]	-0.48	4.3e-4	0.03	-0.53	-0.5	-0.48	-0.47	-0.43	3363	1.0
y_mean[1682]	-0.3	3.8e-4	0.02	-0.35	-0.32	-0.3	-0.29	-0.26	3526	1.0
y_mean[1683]	2.4	1.8e-3	0.1	2.21	2.33	2.4	2.46	2.59	2970	1.0
y_mean[1684]	-0.75	5.6e-4	0.03	-0.81	-0.77	-0.75	-0.72	-0.68	3832	1.0
y_mean[1685]	1.22	7.6e-4	0.05	1.13	1.19	1.22	1.25	1.31	3616	1.0
y_mean[1686]	-0.5	4.1e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	3208	1.0
y_mean[1687]	-0.39	5.0e-4	0.03	-0.45	-0.41	-0.39	-0.37	-0.33	3559	1.0
y_mean[1688]	-0.04	5.7e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	2984	1.0
y_mean[1689]	-0.41	3.2e-4	0.02	-0.45	-0.42	-0.41	-0.4	-0.37	3773	1.0
y_mean[1690]	-0.35	4.8e-4	0.03	-0.41	-0.37	-0.35	-0.34	-0.3	3282	1.0
y_mean[1691]	-0.14	4.0e-4	0.02	-0.19	-0.16	-0.14	-0.13	-0.1	3410	1.0
y_mean[1692]	-0.17	6.3e-4	0.04	-0.24	-0.2	-0.17	-0.14	-0.09	3753	1.0
y_mean[1693]	0.59	1.2e-3	0.08	0.44	0.54	0.59	0.65	0.76	4761	1.0
y_mean[1694]	0.87	4.9e-4	0.03	0.81	0.85	0.87	0.89	0.93	4233	1.0
y_mean[1695]	-0.47	4.4e-4	0.02	-0.52	-0.48	-0.47	-0.45	-0.42	2931	1.0
y_mean[1696]	-0.76	6.7e-4	0.04	-0.84	-0.79	-0.76	-0.73	-0.68	3815	1.0
y_mean[1697]	0.25	5.0e-4	0.03	0.19	0.23	0.25	0.28	0.31	3835	1.0
y_mean[1698]	0.59	4.9e-4	0.03	0.53	0.57	0.59	0.61	0.65	4092	1.0
y_mean[1699]	-0.19	7.2e-4	0.04	-0.26	-0.21	-0.19	-0.17	-0.12	2639	1.0
y_mean[1700]	-0.42	4.7e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.37	3690	1.0
y_mean[1701]	-0.63	9.3e-4	0.05	-0.73	-0.66	-0.63	-0.59	-0.52	3424	1.0
y_mean[1702]	0.53	5.5e-4	0.03	0.46	0.51	0.53	0.55	0.6	4000	1.0
y_mean[1703]	-0.5	4.2e-4	0.03	-0.55	-0.52	-0.5	-0.49	-0.45	3656	1.0
y_mean[1704]	4.86	2.4e-3	0.15	4.55	4.76	4.86	4.96	5.15	4092	1.0

y_mean[1705]	0.33	5.4e-4	0.03	0.26	0.3	0.33	0.35	0.39	3594	1.0
y_mean[1706]	0.51	4.7e-4	0.03	0.45	0.49	0.51	0.53	0.57	4004	1.0
y_mean[1707]	0.29	5.5e-4	0.03	0.22	0.26	0.29	0.31	0.35	3515	1.0
y_mean[1708]	-0.18	4.7e-4	0.03	-0.24	-0.2	-0.18	-0.16	-0.13	3641	1.0
y_mean[1709]	-0.17	4.3e-4	0.03	-0.22	-0.19	-0.17	-0.15	-0.12	3599	1.0
y_mean[1710]	-0.06	4.6e-4	0.03	-0.1	-0.07	-0.06	-0.04	-5.3e-3	2975	1.0
y_mean[1711]	-0.41	5.0e-4	0.03	-0.46	-0.43	-0.41	-0.39	-0.36	2951	1.0
y_mean[1712]	0.65	6.4e-4	0.04	0.57	0.62	0.65	0.68	0.73	3899	1.0
y_mean[1713]	-0.39	6.6e-4	0.04	-0.46	-0.41	-0.39	-0.36	-0.32	2834	1.0
y_mean[1714]	-0.48	4.0e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	2986	1.0
y_mean[1715]	0.08	5.6e-4	0.03	0.01	0.05	0.08	0.1	0.14	3502	1.0
y_mean[1716]	0.59	7.2e-4	0.05	0.5	0.56	0.59	0.62	0.68	4070	1.0
y_mean[1717]	0.07	4.8e-4	0.03	0.02	0.06	0.07	0.09	0.13	3638	1.0
y_mean[1718]	0.42	4.6e-4	0.03	0.36	0.4	0.42	0.44	0.48	4145	1.0
y_mean[1719]	0.53	5.7e-4	0.04	0.45	0.5	0.53	0.55	0.6	4511	1.0
y_mean[1720]	0.05	4.2e-4	0.03	-1.9e-3	0.03	0.05	0.06	0.1	3653	1.0
y_mean[1721]	-0.21	8.1e-4	0.04	-0.29	-0.24	-0.21	-0.18	-0.13	2693	1.0
y_mean[1722]	-0.36	5.5e-4	0.03	-0.42	-0.38	-0.36	-0.34	-0.29	3613	1.0
y_mean[1723]	-0.47	4.7e-4	0.03	-0.53	-0.49	-0.47	-0.45	-0.41	3814	1.0
y_mean[1724]	-0.38	3.3e-4	0.02	-0.42	-0.39	-0.38	-0.36	-0.34	3683	1.0
y_mean[1725]	-0.43	4.9e-4	0.03	-0.49	-0.45	-0.43	-0.41	-0.37	3824	1.0
y_mean[1726]	-0.4	3.6e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3697	1.0
y_mean[1727]	-0.49	7.0e-4	0.04	-0.57	-0.52	-0.49	-0.46	-0.41	3673	1.0
y_mean[1728]	0.75	8.7e-4	0.06	0.63	0.71	0.75	0.78	0.86	4620	1.0
y_mean[1729]	1.9e-3	4.0e-4	0.02	-0.05	-0.01	1.9e-3	0.02	0.05	3777	1.0
y_mean[1730]	-0.5	8.8e-4	0.05	-0.6	-0.54	-0.5	-0.47	-0.4	3455	1.0
y_mean[1731]	0.3	6.9e-4	0.04	0.22	0.27	0.3	0.33	0.38	3360	1.0
y_mean[1732]	1.46	1.2e-3	0.1	1.28	1.4	1.46	1.53	1.65	6813	1.0
y_mean[1733]	0.43	4.6e-4	0.03	0.37	0.41	0.43	0.45	0.48	4000	1.0
y_mean[1734]	-0.07	4.3e-4	0.02	-0.12	-0.09	-0.07	-0.06	-0.02	3044	1.0
y_mean[1735]	0.19	8.1e-4	0.05	0.09	0.16	0.19	0.23	0.29	3827	1.0
y_mean[1736]	-0.72	6.0e-4	0.04	-0.79	-0.74	-0.72	-0.69	-0.64	4189	1.0
y_mean[1737]	-0.5	4.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	3252	1.0
y_mean[1738]	0.16	4.0e-4	0.02	0.11	0.14	0.16	0.18	0.21	3863	1.0
y_mean[1739]	1.44	7.7e-4	0.05	1.34	1.4	1.44	1.47	1.53	4011	1.0
y_mean[1740]	-0.48	4.8e-4	0.03	-0.54	-0.5	-0.48	-0.46	-0.43	3777	1.0
y_mean[1741]	0.04	4.9e-4	0.03	-0.02	0.02	0.04	0.06	0.09	3343	1.0
y_mean[1742]	1.24	6.9e-4	0.05	1.15	1.21	1.24	1.27	1.33	4632	1.0
y_mean[1743]	1.05	6.7e-4	0.05	0.96	1.02	1.05	1.08	1.15	5482	1.0
y_mean[1744]	-0.43	3.9e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	3497	1.0
y_mean[1745]	-0.4	3.2e-4	0.02	-0.44	-0.42	-0.4	-0.39	-0.37	3746	1.0
y_mean[1746]	1.07	6.6e-4	0.04	0.98	1.04	1.07	1.1	1.15	4491	1.0
y_mean[1747]	-0.76	8.8e-4	0.05	-0.87	-0.8	-0.76	-0.72	-0.65	3777	1.0
y_mean[1748]	-0.02	4.8e-4	0.03	-0.07	-0.04	-0.02	-1.1e-3	0.03	3059	1.0
y_mean[1749]	2.55	1.2e-3	0.07	2.41	2.5	2.55	2.6	2.69	4068	1.0
y_mean[1750]	-0.07	6.9e-4	0.04	-0.16	-0.1	-0.07	-0.05	0.01	3846	1.0
y_mean[1751]	-0.71	6.0e-4	0.04	-0.78	-0.74	-0.71	-0.69	-0.64	3557	1.0
y_mean[1752]	0.35	7.3e-4	0.05	0.25	0.31	0.35	0.38	0.44	4111	1.0

y_mean[1753]	1.67	1.2e-3	0.08	1.51	1.62	1.67	1.73	1.83	4717	1.0
y_mean[1754]	-0.69	7.3e-4	0.04	-0.77	-0.72	-0.69	-0.66	-0.61	3145	1.0
y_mean[1755]	-0.12	7.2e-4	0.04	-0.2	-0.15	-0.12	-0.09	-0.04	2887	1.0
y_mean[1756]	-0.2	5.5e-4	0.03	-0.26	-0.22	-0.2	-0.17	-0.13	3723	1.0
y_mean[1757]	-0.5	4.4e-4	0.03	-0.56	-0.52	-0.5	-0.49	-0.45	3471	1.0
y_mean[1758]	-0.47	4.4e-4	0.02	-0.52	-0.49	-0.47	-0.45	-0.42	2966	1.0
y_mean[1759]	0.55	5.7e-4	0.04	0.49	0.53	0.55	0.58	0.63	4049	1.0
y_mean[1760]	-0.43	4.7e-4	0.03	-0.48	-0.45	-0.43	-0.41	-0.37	3690	1.0
y_mean[1761]	-0.47	4.5e-4	0.03	-0.53	-0.49	-0.48	-0.46	-0.42	3388	1.0
y_mean[1762]	-0.17	5.9e-4	0.04	-0.24	-0.19	-0.17	-0.15	-0.1	3927	1.0
y_mean[1763]	0.04	5.0e-4	0.03	-0.01	0.02	0.04	0.06	0.1	3329	1.0
y_mean[1764]	2.97	1.8e-3	0.12	2.73	2.89	2.97	3.05	3.21	4430	1.0
y_mean[1765]	-0.2	5.8e-4	0.04	-0.27	-0.23	-0.2	-0.18	-0.13	3672	1.0
y_mean[1766]	1.39	8.2e-4	0.06	1.27	1.35	1.39	1.43	1.51	5321	1.0
y_mean[1767]	-0.02	3.6e-4	0.02	-0.07	-0.04	-0.02	-8.9e-3	0.02	4047	1.0
y_mean[1768]	0.92	7.0e-4	0.05	0.82	0.89	0.92	0.95	1.01	4692	1.0
y_mean[1769]	1.35	7.4e-4	0.05	1.27	1.32	1.35	1.38	1.44	3689	1.0
y_mean[1770]	0.33	5.7e-4	0.03	0.26	0.31	0.33	0.36	0.4	3757	1.0
y_mean[1771]	-0.13	4.6e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.08	4027	1.0
y_mean[1772]	0.55	4.9e-4	0.03	0.49	0.53	0.55	0.57	0.61	4123	1.0
y_mean[1773]	-0.44	2.9e-4	0.02	-0.48	-0.46	-0.44	-0.43	-0.41	4474	1.0
y_mean[1774]	1.41	6.8e-4	0.04	1.32	1.38	1.41	1.44	1.49	3972	1.0
y_mean[1775]	-0.02	6.4e-4	0.04	-0.1	-0.05	-0.02	5.8e-3	0.06	4082	1.0
y_mean[1776]	-0.43	4.7e-4	0.02	-0.48	-0.45	-0.43	-0.42	-0.39	2740	1.0
y_mean[1777]	-0.16	7.2e-4	0.04	-0.23	-0.18	-0.15	-0.13	-0.08	2744	1.0
y_mean[1778]	0.18	6.0e-4	0.04	0.11	0.16	0.18	0.21	0.25	3781	1.0
y_mean[1779]	-0.67	7.2e-4	0.04	-0.75	-0.7	-0.67	-0.65	-0.59	3301	1.0
y_mean[1780]	0.78	6.7e-4	0.05	0.69	0.75	0.78	0.82	0.88	4766	1.0
y_mean[1781]	-0.13	4.8e-4	0.03	-0.19	-0.15	-0.13	-0.11	-0.07	4047	1.0
y_mean[1782]	-0.06	4.3e-4	0.02	-0.1	-0.07	-0.06	-0.04	-9.3e-3	3218	1.0
y_mean[1783]	-0.73	7.1e-4	0.04	-0.81	-0.76	-0.73	-0.7	-0.64	3652	1.0
y_mean[1784]	0.67	5.3e-4	0.03	0.61	0.65	0.67	0.7	0.74	4076	1.0
y_mean[1785]	0.66	6.1e-4	0.04	0.58	0.63	0.66	0.68	0.73	4042	1.0
y_mean[1786]	1.18	6.5e-4	0.04	1.1	1.16	1.18	1.21	1.27	4385	1.0
y_mean[1787]	1.25	7.3e-4	0.05	1.16	1.22	1.25	1.29	1.35	4799	1.0
y_mean[1788]	-0.42	5.7e-4	0.03	-0.48	-0.44	-0.42	-0.4	-0.37	2700	1.0
y_mean[1789]	0.3	5.3e-4	0.03	0.24	0.28	0.3	0.33	0.37	4001	1.0
y_mean[1790]	0.5	5.5e-4	0.03	0.43	0.47	0.5	0.52	0.57	3971	1.0
y_mean[1791]	0.62	5.3e-4	0.04	0.55	0.59	0.61	0.64	0.68	4564	1.0
y_mean[1792]	-0.43	4.4e-4	0.03	-0.48	-0.45	-0.43	-0.42	-0.38	3444	1.0
y_mean[1793]	-0.48	4.0e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3201	1.0
y_mean[1794]	0.66	5.4e-4	0.03	0.6	0.64	0.66	0.69	0.73	4110	1.0
y_mean[1795]	0.08	4.4e-4	0.03	0.03	0.07	0.08	0.1	0.13	3585	1.0
y_mean[1796]	0.51	4.7e-4	0.03	0.46	0.49	0.51	0.53	0.57	3991	1.0
y_mean[1797]	-0.5	4.4e-4	0.03	-0.55	-0.52	-0.5	-0.49	-0.45	3357	1.0
y_mean[1798]	3.09	2.2e-3	0.13	2.85	3.0	3.09	3.17	3.33	3353	1.0
y_mean[1799]	-0.77	6.4e-4	0.04	-0.84	-0.79	-0.77	-0.74	-0.69	3845	1.0
y_mean[1800]	-0.08	4.6e-4	0.03	-0.14	-0.1	-0.08	-0.06	-0.03	3803	1.0

ypred[1]	-0.75	9.9e-3	0.63	-1.97	-1.17	-0.76	-0.33	0.5	4011	1.0
ypred[2]	0.62	9.7e-3	0.64	-0.64	0.19	0.63	1.05	1.87	4294	1.0
ypred[3]	0.08	10.0e-3	0.64	-1.19	-0.35	0.08	0.49	1.36	4129	1.0
ypred[4]	-0.48	0.01	0.64	-1.71	-0.9	-0.49	-0.05	0.82	4078	1.0
ypred[5]	-0.48	9.8e-3	0.63	-1.68	-0.91	-0.48	-0.06	0.78	4124	1.0
ypred[6]	-0.14	9.9e-3	0.63	-1.36	-0.56	-0.15	0.28	1.13	4023	1.0
ypred[7]	0.01	0.01	0.64	-1.2	-0.44	1.1e-3	0.45	1.24	4063	1.0
ypred[8]	0.92	0.01	0.64	-0.37	0.49	0.92	1.35	2.17	4051	1.0
ypred[9]	0.46	0.01	0.63	-0.78	0.03	0.47	0.88	1.72	3902	1.0
ypred[10]	-0.52	0.01	0.64	-1.79	-0.96	-0.52	-0.1	0.73	3958	1.0
ypred[11]	-0.77	0.01	0.64	-2.01	-1.19	-0.77	-0.34	0.5	3991	1.0
ypred[12]	-0.03	0.01	0.64	-1.3	-0.46	-0.03	0.39	1.21	3873	1.0
ypred[13]	1.52	0.01	0.64	0.25	1.08	1.52	1.95	2.76	4016	1.0
ypred[14]	-0.46	10.0e-3	0.63	-1.71	-0.89	-0.46	-0.02	0.77	4029	1.0
ypred[15]	-0.49	0.01	0.64	-1.75	-0.92	-0.49	-0.06	0.75	3771	1.0
ypred[16]	-0.49	0.01	0.63	-1.69	-0.92	-0.5	-0.08	0.77	3945	1.0
ypred[17]	-0.75	0.01	0.63	-1.97	-1.18	-0.75	-0.33	0.48	3732	1.0
ypred[18]	0.3	0.01	0.64	-0.94	-0.13	0.29	0.73	1.6	4114	1.0
ypred[19]	-0.5	0.01	0.63	-1.73	-0.93	-0.49	-0.07	0.74	3976	1.0
ypred[20]	-0.05	0.01	0.64	-1.27	-0.49	-0.05	0.38	1.21	4014	1.0
ypred[21]	0.51	9.9e-3	0.64	-0.74	0.09	0.5	0.93	1.75	4097	1.0
ypred[22]	-0.39	9.9e-3	0.63	-1.61	-0.82	-0.39	0.03	0.85	3965	1.0
ypred[23]	-0.51	0.01	0.64	-1.77	-0.94	-0.51	-0.09	0.71	3529	1.0
ypred[24]	0.16	0.01	0.64	-1.06	-0.27	0.17	0.6	1.43	3806	1.0
ypred[25]	0.83	0.01	0.64	-0.39	0.4	0.83	1.25	2.06	3850	1.0
ypred[26]	-0.11	0.01	0.65	-1.36	-0.55	-0.11	0.33	1.12	3465	1.0
ypred[27]	-0.72	0.01	0.63	-1.98	-1.14	-0.71	-0.29	0.52	3557	1.0
ypred[28]	-0.17	9.9e-3	0.63	-1.39	-0.59	-0.17	0.24	1.09	3988	1.0
ypred[29]	-0.49	0.01	0.65	-1.74	-0.92	-0.49	-0.05	0.76	3883	1.0
ypred[30]	-0.85	9.9e-3	0.64	-2.1	-1.29	-0.87	-0.42	0.42	4159	1.0
ypred[31]	-0.39	0.01	0.64	-1.63	-0.81	-0.39	0.04	0.88	4057	1.0
ypred[32]	-0.19	0.01	0.64	-1.43	-0.61	-0.19	0.22	1.08	4022	1.0
ypred[33]	-0.37	0.01	0.64	-1.64	-0.79	-0.37	0.07	0.86	3558	1.0
ypred[34]	-0.33	10.0e-3	0.64	-1.63	-0.76	-0.33	0.11	0.91	4168	1.0
ypred[35]	-0.51	0.01	0.65	-1.78	-0.93	-0.5	-0.06	0.73	3594	1.0
ypred[36]	0.24	0.01	0.64	-1.0	-0.19	0.24	0.67	1.5	3857	1.0
ypred[37]	0.08	0.01	0.65	-1.18	-0.37	0.08	0.52	1.36	3965	1.0
ypred[38]	-0.4	0.01	0.64	-1.63	-0.83	-0.4	0.05	0.82	4036	1.0
ypred[39]	-0.49	0.01	0.63	-1.73	-0.91	-0.49	-0.06	0.74	3698	1.0
ypred[40]	-0.22	0.01	0.64	-1.47	-0.64	-0.22	0.2	1.09	3900	1.0
ypred[41]	-0.49	9.9e-3	0.63	-1.71	-0.91	-0.5	-0.06	0.72	4016	1.0
ypred[42]	3.39	10.0e-3	0.65	2.13	2.95	3.39	3.83	4.64	4199	1.0
ypred[43]	-0.29	10.0e-3	0.63	-1.53	-0.74	-0.28	0.13	0.93	3979	1.0
ypred[44]	2.7e-3	0.01	0.63	-1.25	-0.43	5.1e-3	0.43	1.22	3879	1.0
ypred[45]	1.41	0.01	0.64	0.16	0.98	1.42	1.84	2.64	3867	1.0
ypred[46]	-0.39	0.01	0.63	-1.61	-0.82	-0.4	0.05	0.84	3783	1.0
ypred[47]	-0.09	0.01	0.64	-1.3	-0.54	-0.09	0.35	1.19	3906	1.0
ypred[48]	0.5	0.01	0.63	-0.72	0.08	0.5	0.93	1.76	3571	1.0

ypred[49]	0.43	0.01	0.63	-0.83	4.6e-3	0.41	0.85	1.69	3964	1.0
ypred[50]	-1.1e-4	10.0e-3	0.63	-1.24	-0.42	3.9e-3	0.43	1.22	3957	1.0
ypred[51]	-0.45	9.7e-3	0.63	-1.67	-0.87	-0.46	-0.04	0.81	4245	1.0
ypred[52]	-0.42	0.01	0.64	-1.69	-0.86	-0.41	0.03	0.8	3837	1.0
ypred[53]	-0.5	0.01	0.63	-1.72	-0.91	-0.48	-0.07	0.71	3564	1.0
ypred[54]	0.52	10.0e-3	0.63	-0.71	0.09	0.51	0.95	1.77	4017	1.0
ypred[55]	-0.54	0.01	0.63	-1.8	-0.97	-0.53	-0.11	0.69	3965	1.0
ypred[56]	-0.3	0.01	0.64	-1.56	-0.74	-0.3	0.14	0.94	3876	1.0
ypred[57]	-0.18	0.01	0.64	-1.45	-0.62	-0.18	0.25	1.09	3906	1.0
ypred[58]	-0.52	0.01	0.62	-1.73	-0.93	-0.52	-0.1	0.65	3809	1.0
ypred[59]	0.18	0.01	0.63	-1.03	-0.24	0.19	0.61	1.4	3715	1.0
ypred[60]	-0.47	0.01	0.65	-1.74	-0.92	-0.46	-0.03	0.77	4107	1.0
ypred[61]	0.35	9.9e-3	0.63	-0.84	-0.08	0.36	0.78	1.57	3959	1.0
ypred[62]	1.65	0.01	0.65	0.35	1.21	1.65	2.09	2.9	4100	1.0
ypred[63]	-7.6e-3	0.01	0.64	-1.27	-0.45	-8.0e-3	0.41	1.25	3822	1.0
ypred[64]	-0.46	0.01	0.64	-1.72	-0.88	-0.46	-0.02	0.78	3911	1.0
ypred[65]	-0.35	0.01	0.64	-1.61	-0.78	-0.35	0.09	0.86	3722	1.0
ypred[66]	0.62	0.01	0.65	-0.63	0.18	0.62	1.05	1.9	3800	1.0
ypred[67]	-0.41	0.01	0.63	-1.64	-0.83	-0.41	0.03	0.84	3843	1.0
ypred[68]	1.73	0.01	0.64	0.47	1.3	1.74	2.17	2.96	4024	1.0
ypred[69]	-0.13	9.6e-3	0.62	-1.36	-0.54	-0.13	0.27	1.03	4123	1.0
ypred[70]	-0.1	0.01	0.63	-1.34	-0.51	-0.09	0.32	1.12	3863	1.0
ypred[71]	-0.77	10.0e-3	0.64	-2.01	-1.2	-0.76	-0.34	0.47	4063	1.0
ypred[72]	-0.48	9.9e-3	0.63	-1.69	-0.9	-0.47	-0.05	0.77	4038	1.0
ypred[73]	-0.04	9.9e-3	0.63	-1.26	-0.47	-0.04	0.37	1.2	4041	1.0
ypred[74]	2.59	9.9e-3	0.64	1.36	2.17	2.6	3.03	3.84	4116	1.0
ypred[75]	0.28	0.01	0.63	-0.97	-0.14	0.28	0.7	1.53	3723	1.0
ypred[76]	-0.12	0.01	0.63	-1.37	-0.54	-0.11	0.31	1.12	3717	1.0
ypred[77]	-0.28	0.01	0.64	-1.55	-0.71	-0.26	0.16	0.96	3759	1.0
ypred[78]	0.94	10.0e-3	0.63	-0.32	0.52	0.93	1.36	2.18	3971	1.0
ypred[79]	-0.75	0.01	0.64	-1.99	-1.19	-0.74	-0.31	0.53	3560	1.0
ypred[80]	-0.48	9.9e-3	0.63	-1.74	-0.9	-0.47	-0.05	0.74	4067	1.0
ypred[81]	-0.2	0.01	0.64	-1.45	-0.64	-0.19	0.23	1.03	3964	1.0
ypred[82]	0.12	0.01	0.64	-1.12	-0.31	0.12	0.53	1.35	3712	1.0
ypred[83]	-0.45	0.01	0.64	-1.68	-0.89	-0.46	-0.02	0.78	3959	1.0
ypred[84]	-0.5	9.6e-3	0.62	-1.72	-0.92	-0.5	-0.07	0.73	4219	1.0
ypred[85]	-0.66	9.9e-3	0.62	-1.87	-1.08	-0.66	-0.25	0.53	3915	1.0
ypred[86]	8.3e-3	0.01	0.64	-1.23	-0.41	5.1e-3	0.44	1.28	3680	1.0
ypred[87]	0.06	0.01	0.66	-1.22	-0.39	0.05	0.49	1.34	3758	1.0
ypred[88]	-0.18	0.01	0.64	-1.44	-0.62	-0.19	0.27	1.05	3559	1.0
ypred[89]	0.54	0.01	0.63	-0.66	0.1	0.53	0.97	1.79	3505	1.0
ypred[90]	-0.04	10.0e-3	0.64	-1.3	-0.47	-0.06	0.4	1.21	4131	1.0
ypred[91]	-0.52	10.0e-3	0.63	-1.76	-0.94	-0.52	-0.09	0.72	4016	1.0
ypred[92]	-0.74	0.01	0.64	-1.97	-1.17	-0.75	-0.31	0.51	3832	1.0
ypred[93]	-0.05	0.01	0.64	-1.3	-0.48	-0.04	0.38	1.18	3588	1.0
ypred[94]	-0.47	0.01	0.64	-1.71	-0.9	-0.47	-0.04	0.78	3506	1.0
ypred[95]	-0.47	9.6e-3	0.63	-1.71	-0.9	-0.48	-0.04	0.75	4290	1.0
ypred[96]	-0.44	10.0e-3	0.63	-1.69	-0.86	-0.43	-0.02	0.78	3915	1.0

ypred[97]	-0.37	0.01	0.63	-1.62	-0.79	-0.37	0.05	0.82	3891	1.0
ypred[98]	0.08	0.01	0.64	-1.17	-0.36	0.08	0.53	1.31	3810	1.0
ypred[99]	-0.34	0.01	0.63	-1.55	-0.76	-0.34	0.08	0.89	3620	1.0
ypred[100]	-0.48	0.01	0.64	-1.74	-0.91	-0.47	-0.05	0.76	4026	1.0
ypred[101]	-0.5	0.01	0.63	-1.69	-0.93	-0.51	-0.07	0.77	3856	1.0
ypred[102]	-0.09	10.0e-3	0.64	-1.35	-0.52	-0.1	0.35	1.17	4069	1.0
ypred[103]	-0.3	9.8e-3	0.63	-1.54	-0.71	-0.29	0.12	0.93	4110	1.0
ypred[104]	0.13	0.01	0.64	-1.13	-0.31	0.13	0.56	1.39	4003	1.0
ypred[105]	-0.52	9.9e-3	0.64	-1.8	-0.96	-0.52	-0.09	0.71	4167	1.0
ypred[106]	-0.13	9.9e-3	0.64	-1.39	-0.57	-0.13	0.3	1.15	4256	1.0
ypred[107]	-0.15	0.01	0.63	-1.39	-0.58	-0.15	0.26	1.13	3911	1.0
ypred[108]	4.4e-4	9.8e-3	0.62	-1.24	-0.41	4.0e-3	0.41	1.21	3976	1.0
ypred[109]	-0.09	0.01	0.64	-1.36	-0.52	-0.08	0.34	1.16	3928	1.0
ypred[110]	-0.4	0.01	0.63	-1.62	-0.83	-0.41	0.04	0.85	3581	1.0
ypred[111]	3.43	0.01	0.65	2.14	2.99	3.42	3.86	4.69	4066	1.0
ypred[112]	1.33	9.9e-3	0.63	0.08	0.91	1.33	1.76	2.56	4013	1.0
ypred[113]	-0.46	0.01	0.63	-1.71	-0.88	-0.46	-0.03	0.76	3798	1.0
ypred[114]	0.16	9.8e-3	0.62	-1.04	-0.27	0.16	0.58	1.4	3938	1.0
ypred[115]	1.37	0.01	0.63	0.09	0.96	1.37	1.81	2.61	3989	1.0
ypred[116]	-0.68	0.01	0.64	-1.95	-1.1	-0.67	-0.24	0.56	3404	1.0
ypred[117]	-0.97	0.01	0.63	-2.21	-1.4	-0.96	-0.54	0.27	3856	1.0
ypred[118]	-0.07	0.01	0.63	-1.31	-0.5	-0.07	0.36	1.15	3951	1.0
ypred[119]	-0.73	10.0e-3	0.63	-1.98	-1.14	-0.72	-0.3	0.51	4033	1.0
ypred[120]	0.28	0.01	0.64	-0.98	-0.15	0.29	0.71	1.54	4008	1.0
ypred[121]	-0.49	9.7e-3	0.63	-1.7	-0.91	-0.49	-0.08	0.76	4137	1.0
ypred[122]	0.65	0.01	0.63	-0.57	0.22	0.65	1.07	1.95	3954	1.0
ypred[123]	0.11	0.01	0.63	-1.13	-0.32	0.1	0.56	1.3	3048	1.0
ypred[124]	-0.46	0.01	0.64	-1.7	-0.88	-0.46	-0.04	0.78	3908	1.0
ypred[125]	0.08	0.01	0.64	-1.16	-0.36	0.07	0.49	1.35	4005	1.0
ypred[126]	0.39	0.01	0.64	-0.89	-0.04	0.4	0.83	1.64	4142	1.0
ypred[127]	1.17	0.01	0.64	-0.1	0.74	1.17	1.61	2.42	3753	1.0
ypred[128]	1.06	9.9e-3	0.64	-0.18	0.63	1.06	1.5	2.33	4093	1.0
ypred[129]	-0.47	0.01	0.63	-1.71	-0.89	-0.46	-0.05	0.77	3879	1.0
ypred[130]	-0.44	9.9e-3	0.64	-1.69	-0.87	-0.45	-7.1e-3	0.78	4152	1.0
ypred[131]	-0.45	0.01	0.64	-1.68	-0.88	-0.45	-4.8e-3	0.78	3535	1.0
ypred[132]	0.08	0.01	0.63	-1.16	-0.35	0.09	0.49	1.35	3954	1.0
ypred[133]	0.38	0.01	0.64	-0.89	-0.04	0.39	0.81	1.63	3877	1.0
ypred[134]	0.15	0.01	0.65	-1.07	-0.29	0.13	0.58	1.41	4026	1.0
ypred[135]	-0.32	0.01	0.64	-1.61	-0.75	-0.32	0.11	0.93	3816	1.0
ypred[136]	0.6	10.0e-3	0.64	-0.67	0.16	0.61	1.04	1.79	4092	1.0
ypred[137]	-0.4	9.9e-3	0.63	-1.62	-0.82	-0.41	0.02	0.86	3986	1.0
ypred[138]	-0.11	9.9e-3	0.63	-1.36	-0.53	-0.11	0.31	1.13	4082	1.0
ypred[139]	-0.15	9.9e-3	0.64	-1.45	-0.58	-0.16	0.29	1.08	4217	1.0
ypred[140]	-0.18	0.01	0.64	-1.41	-0.62	-0.19	0.26	1.08	3973	1.0
ypred[141]	0.32	9.8e-3	0.64	-0.94	-0.11	0.33	0.77	1.54	4216	1.0
ypred[142]	1.17	0.01	0.63	-0.1	0.74	1.17	1.58	2.4	3603	1.0
ypred[143]	2.61	0.01	0.65	1.33	2.18	2.61	3.04	3.88	3991	1.0
ypred[144]	0.26	0.01	0.63	-0.99	-0.16	0.26	0.69	1.5	3758	1.0

ypred[145]	-0.03	0.01	0.63	-1.23	-0.46	-0.02	0.38	1.23	3818	1.0
ypred[146]	-0.51	9.9e-3	0.63	-1.74	-0.92	-0.5	-0.09	0.75	4078	1.0
ypred[147]	-0.33	0.01	0.64	-1.57	-0.75	-0.32	0.11	0.96	4012	1.0
ypred[148]	-0.35	0.01	0.64	-1.57	-0.8	-0.38	0.08	0.94	3946	1.0
ypred[149]	-0.42	0.01	0.65	-1.66	-0.86	-0.44	6.9e-3	0.9	3621	1.0
ypred[150]	-0.72	0.01	0.62	-1.95	-1.14	-0.71	-0.31	0.5	3696	1.0
ypred[151]	-0.75	0.01	0.63	-2.02	-1.16	-0.75	-0.33	0.49	3853	1.0
ypred[152]	-0.05	0.01	0.64	-1.32	-0.48	-0.05	0.38	1.23	4001	1.0
ypred[153]	-0.91	9.9e-3	0.63	-2.16	-1.32	-0.91	-0.49	0.32	4031	1.0
ypred[154]	-0.51	0.01	0.63	-1.74	-0.93	-0.51	-0.08	0.71	3699	1.0
ypred[155]	0.29	9.9e-3	0.63	-0.95	-0.13	0.28	0.72	1.53	4125	1.0
ypred[156]	1.34	0.01	0.64	0.06	0.91	1.33	1.78	2.61	4003	1.0
ypred[157]	-0.39	9.7e-3	0.63	-1.63	-0.82	-0.39	0.04	0.86	4296	1.0
ypred[158]	-0.26	0.01	0.64	-1.5	-0.68	-0.26	0.16	1.02	3925	1.0
ypred[159]	0.02	0.01	0.64	-1.25	-0.41	6.6e-3	0.46	1.26	4025	1.0
ypred[160]	-0.46	9.8e-3	0.63	-1.73	-0.89	-0.46	-0.04	0.78	4176	1.0
ypred[161]	-0.48	0.01	0.65	-1.75	-0.92	-0.48	-0.02	0.8	3815	1.0
ypred[162]	0.66	0.01	0.64	-0.6	0.22	0.66	1.1	1.91	3608	1.0
ypred[163]	0.01	0.01	0.64	-1.25	-0.42	0.02	0.44	1.26	3969	1.0
ypred[164]	-0.5	9.9e-3	0.63	-1.76	-0.93	-0.5	-0.07	0.7	4053	1.0
ypred[165]	-0.42	9.8e-3	0.64	-1.67	-0.85	-0.43	0.02	0.87	4270	1.0
ypred[166]	0.21	10.0e-3	0.63	-0.99	-0.21	0.2	0.62	1.47	3998	1.0
ypred[167]	-0.78	0.01	0.63	-2.02	-1.22	-0.78	-0.35	0.45	3856	1.0
ypred[168]	-0.51	0.01	0.63	-1.73	-0.92	-0.51	-0.1	0.74	3917	1.0
ypred[169]	0.83	0.01	0.64	-0.45	0.4	0.84	1.26	2.09	4018	1.0
ypred[170]	-0.13	10.0e-3	0.63	-1.37	-0.56	-0.13	0.28	1.12	3931	1.0
ypred[171]	-0.47	0.01	0.63	-1.72	-0.89	-0.47	-0.05	0.76	3792	1.0
ypred[172]	-0.34	0.01	0.64	-1.6	-0.77	-0.34	0.08	0.9	4022	1.0
ypred[173]	-0.94	0.01	0.63	-2.18	-1.36	-0.94	-0.5	0.25	3582	1.0
ypred[174]	-0.76	0.01	0.63	-2.0	-1.19	-0.76	-0.34	0.51	3946	1.0
ypred[175]	0.57	0.01	0.63	-0.71	0.15	0.57	0.99	1.81	3493	1.0
ypred[176]	-0.39	0.01	0.63	-1.65	-0.81	-0.39	0.04	0.85	3935	1.0
ypred[177]	-0.08	9.9e-3	0.63	-1.31	-0.51	-0.08	0.35	1.18	4113	1.0
ypred[178]	-0.68	0.01	0.64	-1.93	-1.1	-0.67	-0.24	0.58	4037	1.0
ypred[179]	-0.1	0.01	0.65	-1.33	-0.54	-0.09	0.34	1.18	3903	1.0
ypred[180]	-0.14	0.01	0.64	-1.43	-0.56	-0.13	0.29	1.11	3842	1.0
ypred[181]	-0.45	0.01	0.62	-1.66	-0.87	-0.46	-0.02	0.79	3753	1.0
ypred[182]	-0.75	10.0e-3	0.63	-2.02	-1.18	-0.75	-0.31	0.47	4029	1.0
ypred[183]	-0.46	0.01	0.65	-1.73	-0.89	-0.47	-0.02	0.82	4080	1.0
ypred[184]	-0.19	0.01	0.63	-1.41	-0.61	-0.2	0.23	1.03	3882	1.0
ypred[185]	-0.44	9.9e-3	0.63	-1.67	-0.86	-0.45	-0.01	0.79	4042	1.0
ypred[186]	-0.33	0.01	0.64	-1.58	-0.77	-0.33	0.11	0.91	3572	1.0
ypred[187]	4.09	0.01	0.65	2.84	3.65	4.09	4.53	5.36	3553	1.0
ypred[188]	-0.24	9.8e-3	0.63	-1.47	-0.67	-0.25	0.2	0.98	4160	1.0
ypred[189]	-0.03	0.01	0.64	-1.31	-0.46	-0.04	0.39	1.23	3989	1.0
ypred[190]	-0.48	0.01	0.64	-1.71	-0.91	-0.48	-0.04	0.8	4115	1.0
ypred[191]	0.76	0.01	0.64	-0.49	0.34	0.75	1.19	2.04	3957	1.0
ypred[192]	-0.15	0.01	0.64	-1.4	-0.57	-0.16	0.3	1.07	3969	1.0

ypred[193]	-0.13	9.8e-3	0.63	-1.34	-0.56	-0.14	0.3	1.12	4146	1.0
ypred[194]	-0.38	0.01	0.63	-1.64	-0.8	-0.38	0.04	0.87	3934	1.0
ypred[195]	0.06	0.01	0.63	-1.16	-0.36	0.06	0.48	1.31	3800	1.0
ypred[196]	-0.7	0.01	0.65	-2.0	-1.13	-0.69	-0.27	0.55	4002	1.0
ypred[197]	-0.5	9.8e-3	0.63	-1.72	-0.92	-0.5	-0.08	0.76	4148	1.0
ypred[198]	-0.46	9.9e-3	0.63	-1.67	-0.88	-0.46	-0.04	0.79	4058	1.0
ypred[199]	-0.5	0.01	0.65	-1.81	-0.94	-0.51	-0.05	0.73	3805	1.0
ypred[200]	1.16	0.01	0.64	-0.08	0.71	1.16	1.59	2.39	3557	1.0
y_predicted[1]	-0.75	6.5e-4	0.04	-0.83	-0.78	-0.75	-0.73	-0.67	3930	1.0
y_predicted[2]	0.64	7.8e-4	0.05	0.55	0.61	0.64	0.67	0.73	3697	1.0
y_predicted[3]	0.06	5.0e-4	0.03	7.2e-3	0.04	0.06	0.08	0.13	3760	1.0
y_predicted[4]	-0.5	4.9e-4	0.03	-0.55	-0.52	-0.5	-0.48	-0.44	3710	1.0
y_predicted[5]	-0.46	4.9e-4	0.03	-0.51	-0.48	-0.46	-0.44	-0.41	3052	1.0
y_predicted[6]	-0.15	4.0e-4	0.02	-0.2	-0.17	-0.15	-0.14	-0.11	3466	1.0
y_predicted[7]	0.03	6.0e-4	0.03	-0.04	5.7e-3	0.03	0.05	0.09	3063	1.0
y_predicted[8]	0.93	7.9e-4	0.05	0.82	0.89	0.92	0.96	1.03	4600	1.0
y_predicted[9]	0.45	5.5e-4	0.04	0.38	0.43	0.45	0.47	0.52	4381	1.0
y_predicted[10]	-0.52	5.9e-4	0.04	-0.59	-0.55	-0.52	-0.5	-0.46	3479	1.0
y_predicted[11]	-0.76	6.0e-4	0.04	-0.83	-0.78	-0.76	-0.73	-0.68	3905	1.0
y_predicted[12]	-0.04	7.4e-4	0.04	-0.13	-0.07	-0.04	-8.2e-3	0.05	3571	1.0
y_predicted[13]	1.52	1.6e-3	0.1	1.33	1.45	1.52	1.59	1.71	3930	1.0
y_predicted[14]	-0.45	4.1e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.41	3132	1.0
y_predicted[15]	-0.49	4.1e-4	0.02	-0.54	-0.5	-0.49	-0.47	-0.44	3411	1.0
y_predicted[16]	-0.48	3.9e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	2965	1.0
y_predicted[17]	-0.75	5.9e-4	0.04	-0.82	-0.78	-0.75	-0.73	-0.68	3783	1.0
y_predicted[18]	0.31	5.1e-4	0.03	0.25	0.29	0.31	0.34	0.38	4013	1.0
y_predicted[19]	-0.5	5.9e-4	0.04	-0.57	-0.52	-0.5	-0.47	-0.43	3656	1.0
y_predicted[20]	-0.05	9.7e-4	0.06	-0.17	-0.09	-0.06	-0.02	0.06	3636	1.0
y_predicted[21]	0.5	5.3e-4	0.04	0.43	0.47	0.5	0.52	0.57	4543	1.0
y_predicted[22]	-0.4	7.5e-4	0.04	-0.48	-0.43	-0.4	-0.37	-0.32	2842	1.0
y_predicted[23]	-0.51	5.6e-4	0.03	-0.58	-0.53	-0.51	-0.49	-0.44	3558	1.0
y_predicted[24]	0.17	5.3e-4	0.03	0.11	0.15	0.17	0.19	0.23	3486	1.0
y_predicted[25]	0.83	7.9e-4	0.05	0.74	0.8	0.83	0.87	0.94	4122	1.0
y_predicted[26]	-0.08	4.1e-4	0.02	-0.12	-0.09	-0.08	-0.06	-0.03	3196	1.0
y_predicted[27]	-0.75	5.6e-4	0.04	-0.82	-0.77	-0.75	-0.73	-0.68	3920	1.0
y_predicted[28]	-0.16	6.0e-4	0.04	-0.24	-0.19	-0.16	-0.14	-0.09	3985	1.0
y_predicted[29]	-0.49	4.1e-4	0.02	-0.54	-0.51	-0.49	-0.47	-0.44	3520	1.0
y_predicted[30]	-0.86	1.4e-3	0.08	-1.01	-0.92	-0.86	-0.81	-0.71	3026	1.0
y_predicted[31]	-0.38	6.0e-4	0.03	-0.44	-0.4	-0.38	-0.36	-0.32	2905	1.0
y_predicted[32]	-0.2	6.7e-4	0.04	-0.27	-0.23	-0.2	-0.17	-0.12	3535	1.0
y_predicted[33]	-0.36	5.8e-4	0.03	-0.43	-0.39	-0.36	-0.34	-0.3	3056	1.0
y_predicted[34]	-0.34	4.1e-4	0.03	-0.39	-0.36	-0.34	-0.32	-0.29	4036	1.0
y_predicted[35]	-0.49	3.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.44	3110	1.0
y_predicted[36]	0.23	6.5e-4	0.04	0.15	0.2	0.23	0.26	0.31	4302	1.0
y_predicted[37]	0.08	4.9e-4	0.03	0.03	0.06	0.08	0.1	0.14	3574	1.0
y_predicted[38]	-0.39	5.2e-4	0.03	-0.46	-0.41	-0.39	-0.37	-0.33	3828	1.0
y_predicted[39]	-0.48	3.9e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	2988	1.0
y_predicted[40]	-0.19	8.8e-4	0.04	-0.28	-0.22	-0.19	-0.16	-0.1	2503	1.0

y_predicted[41]	-0.5	4.0e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.45	3336	1.0
y_predicted[42]	3.39	1.6e-3	0.11	3.17	3.32	3.39	3.46	3.61	4837	1.0
y_predicted[43]	-0.3	6.3e-4	0.03	-0.37	-0.32	-0.3	-0.28	-0.23	2947	1.0
y_predicted[44]	-9.0e-4	5.3e-4	0.03	-0.06	-0.02	-1.0e-3	0.02	0.06	3093	1.0
y_predicted[45]	1.41	8.7e-4	0.06	1.3	1.37	1.41	1.45	1.52	4396	1.0
y_predicted[46]	-0.4	4.9e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	3437	1.0
y_predicted[47]	-0.09	4.0e-4	0.02	-0.14	-0.11	-0.09	-0.08	-0.05	3407	1.0
y_predicted[48]	0.5	4.6e-4	0.03	0.44	0.48	0.5	0.52	0.56	3982	1.0
y_predicted[49]	0.42	4.6e-4	0.03	0.36	0.4	0.42	0.44	0.48	3987	1.0
y_predicted[50]	-3.7e-3	5.2e-4	0.03	-0.06	-0.02	-3.9e-3	0.02	0.05	3079	1.0
y_predicted[51]	-0.44	5.7e-4	0.03	-0.5	-0.46	-0.44	-0.42	-0.38	2948	1.0
y_predicted[52]	-0.44	4.1e-4	0.03	-0.49	-0.45	-0.44	-0.42	-0.38	3883	1.0
y_predicted[53]	-0.48	3.9e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3092	1.0
y_predicted[54]	0.51	5.0e-4	0.03	0.45	0.49	0.51	0.54	0.58	4331	1.0
y_predicted[55]	-0.52	5.7e-4	0.03	-0.58	-0.54	-0.51	-0.49	-0.45	3516	1.0
y_predicted[56]	-0.31	7.8e-4	0.04	-0.39	-0.34	-0.31	-0.29	-0.23	2720	1.0
y_predicted[57]	-0.2	5.8e-4	0.04	-0.26	-0.22	-0.2	-0.17	-0.13	3725	1.0
y_predicted[58]	-0.52	5.9e-4	0.03	-0.59	-0.54	-0.52	-0.49	-0.45	3496	1.0
y_predicted[59]	0.18	4.9e-4	0.03	0.12	0.16	0.18	0.2	0.24	3797	1.0
y_predicted[60]	-0.46	5.1e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.4	3613	1.0
y_predicted[61]	0.35	6.9e-4	0.04	0.26	0.32	0.35	0.38	0.43	3909	1.0
y_predicted[62]	1.65	8.9e-4	0.06	1.54	1.61	1.65	1.69	1.77	4321	1.0
y_predicted[63]	-0.02	5.0e-4	0.03	-0.07	-0.04	-0.02	-3.3e-3	0.03	3020	1.0
y_predicted[64]	-0.48	4.2e-4	0.02	-0.53	-0.5	-0.48	-0.47	-0.44	3413	1.0
y_predicted[65]	-0.36	6.5e-4	0.03	-0.43	-0.38	-0.36	-0.34	-0.3	2672	1.0
y_predicted[66]	0.62	6.3e-4	0.04	0.54	0.59	0.62	0.64	0.69	3920	1.0
y_predicted[67]	-0.42	4.6e-4	0.03	-0.47	-0.44	-0.42	-0.4	-0.37	3224	1.0
y_predicted[68]	1.73	1.0e-3	0.06	1.6	1.68	1.72	1.77	1.85	3925	1.0
y_predicted[69]	-0.12	4.1e-4	0.02	-0.16	-0.13	-0.12	-0.1	-0.07	3179	1.0
y_predicted[70]	-0.1	5.4e-4	0.03	-0.16	-0.12	-0.1	-0.08	-0.03	3892	1.0
y_predicted[71]	-0.75	5.8e-4	0.04	-0.82	-0.78	-0.75	-0.73	-0.68	3939	1.0
y_predicted[72]	-0.49	5.0e-4	0.03	-0.55	-0.51	-0.49	-0.47	-0.43	3609	1.0
y_predicted[73]	-0.04	4.4e-4	0.02	-0.08	-0.05	-0.04	-0.02	0.01	3154	1.0
y_predicted[74]	2.61	1.3e-3	0.09	2.43	2.55	2.61	2.67	2.78	4332	1.0
y_predicted[75]	0.29	9.7e-4	0.06	0.17	0.25	0.29	0.32	0.4	3536	1.0
y_predicted[76]	-0.12	4.0e-4	0.02	-0.17	-0.14	-0.12	-0.11	-0.08	3272	1.0
y_predicted[77]	-0.29	5.7e-4	0.03	-0.35	-0.31	-0.29	-0.27	-0.23	2796	1.0
y_predicted[78]	0.92	7.8e-4	0.05	0.82	0.88	0.92	0.96	1.03	4597	1.0
y_predicted[79]	-0.75	6.2e-4	0.04	-0.83	-0.78	-0.75	-0.73	-0.67	3964	1.0
y_predicted[80]	-0.47	3.9e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.43	2995	1.0
y_predicted[81]	-0.21	5.8e-4	0.03	-0.27	-0.23	-0.21	-0.18	-0.14	3619	1.0
y_predicted[82]	0.12	5.1e-4	0.03	0.06	0.1	0.12	0.14	0.18	3417	1.0
y_predicted[83]	-0.44	5.8e-4	0.03	-0.51	-0.47	-0.45	-0.42	-0.38	3258	1.0
y_predicted[84]	-0.49	3.9e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3166	1.0
y_predicted[85]	-0.68	8.0e-4	0.04	-0.76	-0.71	-0.68	-0.65	-0.6	3048	1.0
y_predicted[86]	0.02	8.9e-4	0.06	-0.09	-0.02	0.02	0.06	0.14	4230	1.0
y_predicted[87]	0.06	5.0e-4	0.03	3.8e-4	0.04	0.06	0.08	0.12	3936	1.0
y_predicted[88]	-0.2	6.4e-4	0.04	-0.28	-0.23	-0.2	-0.17	-0.12	3661	1.0

y_predicted[89]	0.53	5.1e-4	0.03	0.46	0.5	0.53	0.55	0.59	4436	1.0
y_predicted[90]	-0.03	8.5e-4	0.06	-0.13	-0.06	-0.02	0.01	0.09	4144	1.0
y_predicted[91]	-0.53	8.6e-4	0.05	-0.63	-0.57	-0.53	-0.5	-0.44	3321	1.0
y_predicted[92]	-0.74	5.5e-4	0.03	-0.81	-0.76	-0.74	-0.72	-0.67	3992	1.0
y_predicted[93]	-0.04	4.5e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.01	3924	1.0
y_predicted[94]	-0.47	4.0e-4	0.02	-0.51	-0.48	-0.47	-0.45	-0.43	2831	1.0
y_predicted[95]	-0.49	3.9e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3248	1.0
y_predicted[96]	-0.44	6.2e-4	0.03	-0.5	-0.46	-0.44	-0.41	-0.37	3077	1.0
y_predicted[97]	-0.37	7.5e-4	0.04	-0.45	-0.4	-0.37	-0.35	-0.3	2612	1.0
y_predicted[98]	0.09	5.4e-4	0.03	0.02	0.06	0.08	0.11	0.15	3453	1.0
y_predicted[99]	-0.34	3.3e-4	0.02	-0.38	-0.36	-0.34	-0.33	-0.3	3896	1.0
y_predicted[100]	-0.48	4.1e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.43	3115	1.0
y_predicted[101]	-0.49	5.6e-4	0.03	-0.56	-0.51	-0.49	-0.47	-0.42	3729	1.0
y_predicted[102]	-0.09	4.9e-4	0.03	-0.15	-0.12	-0.1	-0.07	-0.04	3853	1.0
y_predicted[103]	-0.28	8.3e-4	0.04	-0.36	-0.3	-0.28	-0.25	-0.2	2391	1.0
y_predicted[104]	0.12	5.5e-4	0.03	0.05	0.09	0.12	0.14	0.18	3578	1.0
y_predicted[105]	-0.52	5.6e-4	0.03	-0.59	-0.54	-0.52	-0.5	-0.46	3506	1.0
y_predicted[106]	-0.12	5.0e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.06	3717	1.0
y_predicted[107]	-0.14	4.6e-4	0.03	-0.19	-0.16	-0.14	-0.13	-0.09	3094	1.0
y_predicted[108]	0.02	4.5e-4	0.03	-0.04	-4.3e-4	0.02	0.04	0.07	3605	1.0
y_predicted[109]	-0.09	4.3e-4	0.03	-0.14	-0.1	-0.09	-0.07	-0.03	3800	1.0
y_predicted[110]	-0.4	4.4e-4	0.03	-0.45	-0.42	-0.4	-0.39	-0.35	3362	1.0
y_predicted[111]	3.43	2.5e-3	0.15	3.12	3.32	3.43	3.53	3.73	3720	1.0
y_predicted[112]	1.32	6.7e-4	0.04	1.24	1.29	1.32	1.35	1.4	3987	1.0
y_predicted[113]	-0.47	4.3e-4	0.02	-0.52	-0.48	-0.47	-0.45	-0.43	2891	1.0
y_predicted[114]	0.15	8.1e-4	0.06	0.04	0.11	0.15	0.19	0.26	4805	1.0
y_predicted[115]	1.36	8.0e-4	0.05	1.27	1.33	1.36	1.39	1.45	3441	1.0
y_predicted[116]	-0.68	6.9e-4	0.04	-0.76	-0.71	-0.68	-0.65	-0.59	3617	1.0
y_predicted[117]	-0.97	1.2e-3	0.07	-1.11	-1.02	-0.97	-0.92	-0.82	3655	1.0
y_predicted[118]	-0.07	4.9e-4	0.03	-0.12	-0.09	-0.07	-0.05	-0.01	2889	1.0
y_predicted[119]	-0.73	6.5e-4	0.04	-0.81	-0.76	-0.73	-0.7	-0.64	4079	1.0
y_predicted[120]	0.27	7.1e-4	0.04	0.19	0.25	0.27	0.3	0.36	3410	1.0
y_predicted[121]	-0.48	4.3e-4	0.03	-0.53	-0.5	-0.48	-0.46	-0.43	3522	1.0
y_predicted[122]	0.64	7.6e-4	0.05	0.54	0.61	0.64	0.68	0.74	4647	1.0
y_predicted[123]	0.11	8.2e-4	0.05	0.02	0.08	0.11	0.14	0.2	3136	1.0
y_predicted[124]	-0.46	5.0e-4	0.03	-0.52	-0.48	-0.46	-0.44	-0.41	3226	1.0
y_predicted[125]	0.07	5.2e-4	0.03	0.02	0.05	0.07	0.1	0.14	3475	1.0
y_predicted[126]	0.39	4.6e-4	0.03	0.33	0.37	0.39	0.41	0.45	4093	1.0
y_predicted[127]	1.17	6.4e-4	0.04	1.08	1.14	1.17	1.2	1.25	4606	1.0
y_predicted[128]	1.06	5.8e-4	0.04	0.99	1.03	1.06	1.09	1.14	4538	1.0
y_predicted[129]	-0.47	4.3e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	2930	1.0
y_predicted[130]	-0.43	5.7e-4	0.04	-0.5	-0.45	-0.43	-0.4	-0.35	3932	1.0
y_predicted[131]	-0.46	3.1e-4	0.02	-0.5	-0.47	-0.46	-0.45	-0.42	3908	1.0
y_predicted[132]	0.08	5.2e-4	0.03	0.03	0.06	0.08	0.11	0.15	3528	1.0
y_predicted[133]	0.39	5.3e-4	0.03	0.32	0.37	0.39	0.41	0.45	3967	1.0
y_predicted[134]	0.13	9.7e-4	0.06	6.6e-3	0.09	0.13	0.17	0.26	4286	1.0
y_predicted[135]	-0.34	6.8e-4	0.04	-0.41	-0.36	-0.34	-0.32	-0.27	2735	1.0
y_predicted[136]	0.6	5.0e-4	0.03	0.54	0.58	0.6	0.63	0.67	4058	1.0

y_predicted[137]	-0.42	6.2e-4	0.04	-0.49	-0.44	-0.42	-0.39	-0.34	3718	1.0
y_predicted[138]	-0.1	6.2e-4	0.04	-0.17	-0.13	-0.1	-0.08	-0.03	3593	1.0
y_predicted[139]	-0.16	4.1e-4	0.02	-0.2	-0.17	-0.16	-0.14	-0.11	3566	1.0
y_predicted[140]	-0.19	6.0e-4	0.04	-0.26	-0.22	-0.19	-0.17	-0.12	3747	1.0
y_predicted[141]	0.33	7.1e-4	0.05	0.24	0.3	0.33	0.36	0.42	4080	1.0
y_predicted[142]	1.18	1.2e-3	0.08	1.03	1.13	1.18	1.23	1.33	4606	1.0
y_predicted[143]	2.61	1.2e-3	0.08	2.46	2.56	2.61	2.66	2.77	4264	1.0
y_predicted[144]	0.27	6.8e-4	0.04	0.19	0.24	0.27	0.3	0.35	3483	1.0
y_predicted[145]	-0.04	5.0e-4	0.03	-0.1	-0.06	-0.04	-0.02	0.02	3761	1.0
y_predicted[146]	-0.5	5.8e-4	0.03	-0.57	-0.52	-0.5	-0.48	-0.43	3641	1.0
y_predicted[147]	-0.32	6.5e-4	0.03	-0.39	-0.35	-0.32	-0.3	-0.26	2695	1.0
y_predicted[148]	-0.35	6.1e-4	0.03	-0.42	-0.37	-0.35	-0.33	-0.28	3238	1.0
y_predicted[149]	-0.41	4.5e-4	0.03	-0.47	-0.43	-0.41	-0.4	-0.36	3522	1.0
y_predicted[150]	-0.73	6.1e-4	0.04	-0.81	-0.76	-0.73	-0.7	-0.65	4106	1.0
y_predicted[151]	-0.77	6.9e-4	0.04	-0.85	-0.8	-0.77	-0.74	-0.68	3814	1.0
y_predicted[152]	-0.05	5.5e-4	0.03	-0.11	-0.07	-0.05	-0.03	5.0e-3	2907	1.0
y_predicted[153]	-0.89	1.4e-3	0.08	-1.05	-0.95	-0.89	-0.84	-0.73	3271	1.0
y_predicted[154]	-0.5	1.1e-3	0.06	-0.62	-0.55	-0.5	-0.46	-0.38	2875	1.0
y_predicted[155]	0.29	6.6e-4	0.04	0.21	0.27	0.29	0.32	0.37	3768	1.0
y_predicted[156]	1.35	1.2e-3	0.07	1.21	1.3	1.35	1.4	1.49	3696	1.0
y_predicted[157]	-0.4	5.3e-4	0.03	-0.46	-0.42	-0.4	-0.38	-0.34	2904	1.0
y_predicted[158]	-0.25	9.0e-4	0.04	-0.34	-0.28	-0.25	-0.22	-0.17	2437	1.0
y_predicted[159]	0.01	5.1e-4	0.03	-0.05	-7.8e-3	0.01	0.03	0.07	3655	1.0
y_predicted[160]	-0.48	4.4e-4	0.03	-0.53	-0.5	-0.48	-0.46	-0.43	3563	1.0
y_predicted[161]	-0.47	6.8e-4	0.04	-0.55	-0.5	-0.47	-0.44	-0.39	3758	1.0
y_predicted[162]	0.66	8.4e-4	0.05	0.56	0.63	0.66	0.7	0.77	3883	1.0
y_predicted[163]	0.02	4.9e-4	0.03	-0.04	-2.8e-3	0.02	0.04	0.08	4056	1.0
y_predicted[164]	-0.49	4.0e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3185	1.0
y_predicted[165]	-0.43	2.8e-4	0.02	-0.47	-0.45	-0.43	-0.42	-0.4	4542	1.0
y_predicted[166]	0.22	6.1e-4	0.04	0.15	0.2	0.22	0.25	0.29	3313	1.0
y_predicted[167]	-0.78	8.4e-4	0.05	-0.88	-0.81	-0.78	-0.74	-0.68	3738	1.0
y_predicted[168]	-0.51	6.7e-4	0.04	-0.59	-0.54	-0.51	-0.48	-0.43	3512	1.0
y_predicted[169]	0.85	7.4e-4	0.05	0.76	0.82	0.85	0.88	0.94	4299	1.0
y_predicted[170]	-0.13	6.1e-4	0.04	-0.2	-0.16	-0.13	-0.11	-0.06	3766	1.0
y_predicted[171]	-0.48	3.8e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	3152	1.0
y_predicted[172]	-0.34	9.8e-4	0.05	-0.45	-0.37	-0.34	-0.3	-0.23	3055	1.0
y_predicted[173]	-0.94	1.3e-3	0.08	-1.09	-0.99	-0.94	-0.89	-0.79	3414	1.0
y_predicted[174]	-0.75	6.0e-4	0.04	-0.82	-0.77	-0.75	-0.72	-0.67	3997	1.0
y_predicted[175]	0.56	5.0e-4	0.03	0.5	0.54	0.56	0.59	0.62	4332	1.0
y_predicted[176]	-0.39	3.9e-4	0.02	-0.44	-0.41	-0.4	-0.38	-0.35	3413	1.0
y_predicted[177]	-0.09	7.7e-4	0.05	-0.19	-0.13	-0.09	-0.05	0.02	4687	1.0
y_predicted[178]	-0.68	6.7e-4	0.04	-0.75	-0.71	-0.68	-0.65	-0.6	3278	1.0
y_predicted[179]	-0.09	4.0e-4	0.02	-0.13	-0.1	-0.09	-0.07	-0.04	3418	1.0
y_predicted[180]	-0.15	5.2e-4	0.03	-0.21	-0.17	-0.15	-0.13	-0.08	3880	1.0
y_predicted[181]	-0.44	4.2e-4	0.02	-0.49	-0.46	-0.44	-0.43	-0.4	3153	1.0
y_predicted[182]	-0.76	6.0e-4	0.04	-0.83	-0.78	-0.76	-0.73	-0.68	3803	1.0
y_predicted[183]	-0.45	4.2e-4	0.02	-0.5	-0.47	-0.45	-0.44	-0.4	3423	1.0
y_predicted[184]	-0.2	5.8e-4	0.04	-0.26	-0.22	-0.2	-0.17	-0.13	3711	1.0

y_predicted[185]	-0.45	4.4e-4	0.02	-0.49	-0.46	-0.45	-0.43	-0.4	2745	1.0
y_predicted[186]	-0.32	6.8e-4	0.03	-0.39	-0.34	-0.32	-0.3	-0.25	2599	1.0
y_predicted[187]	4.1	2.4e-3	0.15	3.81	4.0	4.1	4.19	4.38	3549	1.0
y_predicted[188]	-0.23	7.3e-4	0.04	-0.31	-0.26	-0.23	-0.21	-0.16	2655	1.0
y_predicted[189]	-0.05	3.4e-4	0.02	-0.09	-0.07	-0.05	-0.04	-7.1e-3	4160	1.0
y_predicted[190]	-0.49	3.9e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.45	3248	1.0
y_predicted[191]	0.76	1.3e-3	0.09	0.58	0.7	0.76	0.82	0.95	4894	1.0
y_predicted[192]	-0.15	4.5e-4	0.03	-0.2	-0.17	-0.15	-0.13	-0.09	4063	1.0
y_predicted[193]	-0.12	6.2e-4	0.03	-0.18	-0.14	-0.12	-0.1	-0.05	2983	1.0
y_predicted[194]	-0.38	7.7e-4	0.04	-0.46	-0.4	-0.38	-0.35	-0.3	2533	1.0
y_predicted[195]	0.07	5.1e-4	0.03	8.0e-3	0.05	0.07	0.09	0.13	3515	1.0
y_predicted[196]	-0.69	6.4e-4	0.04	-0.77	-0.72	-0.69	-0.66	-0.61	4267	1.0
y_predicted[197]	-0.47	3.9e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.43	2898	1.0
y_predicted[198]	-0.44	2.9e-4	0.02	-0.47	-0.45	-0.44	-0.42	-0.4	4455	1.0
y_predicted[199]	-0.48	6.8e-4	0.04	-0.57	-0.51	-0.48	-0.46	-0.4	3706	1.0
y_predicted[200]	1.15	9.2e-4	0.06	1.03	1.11	1.15	1.19	1.26	4022	1.0
loglik_pred[1]	-0.52	3.9e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	3750	1.0
loglik_pred[2]	-0.47	2.6e-4	0.02	-0.51	-0.48	-0.47	-0.46	-0.44	4418	1.0
loglik_pred[3]	-0.58	3.4e-4	0.02	-0.63	-0.6	-0.58	-0.57	-0.54	3615	1.0
loglik_pred[4]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4546	1.0
loglik_pred[5]	-0.8	6.0e-4	0.03	-0.87	-0.83	-0.8	-0.78	-0.74	2883	1.0
loglik_pred[6]	-0.47	2.6e-4	0.02	-0.51	-0.48	-0.47	-0.46	-0.44	4312	1.0
loglik_pred[7]	-0.47	2.6e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.44	4580	1.0
loglik_pred[8]	-1.02	7.6e-4	0.05	-1.11	-1.05	-1.02	-0.98	-0.93	4044	1.0
loglik_pred[9]	-1.55	9.6e-4	0.06	-1.67	-1.59	-1.55	-1.51	-1.44	3654	1.0
loglik_pred[10]	-0.53	3.9e-4	0.02	-0.58	-0.55	-0.53	-0.52	-0.49	3916	1.0
loglik_pred[11]	-0.51	4.3e-4	0.02	-0.56	-0.52	-0.51	-0.49	-0.46	3095	1.0
loglik_pred[12]	-0.49	2.8e-4	0.02	-0.52	-0.5	-0.49	-0.47	-0.45	4256	1.0
loglik_pred[13]	-0.66	4.0e-4	0.02	-0.7	-0.67	-0.66	-0.64	-0.61	3310	1.0
loglik_pred[14]	-0.86	8.0e-4	0.05	-0.96	-0.89	-0.86	-0.83	-0.78	3351	1.0
loglik_pred[15]	-0.49	5.0e-4	0.03	-0.56	-0.51	-0.49	-0.47	-0.45	3599	1.0
loglik_pred[16]	-0.5	3.1e-4	0.02	-0.54	-0.52	-0.5	-0.49	-0.46	4315	1.0
loglik_pred[17]	-0.5	4.7e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.46	3306	1.0
loglik_pred[18]	-2.5	1.5e-3	0.09	-2.68	-2.56	-2.5	-2.44	-2.33	3750	1.0
loglik_pred[19]	-0.47	2.6e-4	0.02	-0.51	-0.48	-0.47	-0.46	-0.44	4386	1.0
loglik_pred[20]	-2.83	1.9e-3	0.12	-3.08	-2.91	-2.83	-2.75	-2.6	4092	1.0
loglik_pred[21]	-0.53	4.1e-4	0.03	-0.59	-0.55	-0.53	-0.51	-0.48	4286	1.0
loglik_pred[22]	-0.55	10.0e-4	0.06	-0.68	-0.58	-0.54	-0.51	-0.46	3161	1.0
loglik_pred[23]	-0.51	2.9e-4	0.02	-0.55	-0.53	-0.51	-0.5	-0.48	4201	1.0
loglik_pred[24]	-10.32	9.6e-3	0.67	-11.64	-10.76	-10.31	-9.86	-8.97	4857	1.0
loglik_pred[25]	-0.47	2.6e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.44	4468	1.0
loglik_pred[26]	-0.66	5.3e-4	0.03	-0.73	-0.68	-0.66	-0.64	-0.6	4205	1.0
loglik_pred[27]	-0.77	4.7e-4	0.03	-0.83	-0.79	-0.77	-0.75	-0.71	3978	1.0
loglik_pred[28]	-0.53	4.0e-4	0.03	-0.58	-0.55	-0.53	-0.51	-0.48	3968	1.0
loglik_pred[29]	-0.61	8.2e-4	0.05	-0.72	-0.65	-0.61	-0.57	-0.52	4090	1.0
loglik_pred[30]	-0.59	3.7e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	3787	1.0
loglik_pred[31]	-0.62	4.5e-4	0.03	-0.68	-0.64	-0.62	-0.6	-0.57	4156	1.0
loglik_pred[32]	-0.49	5.5e-4	0.03	-0.57	-0.51	-0.49	-0.47	-0.45	3451	1.0

loglik_pred[33]	-0.86	1.3e-3	0.09	-1.05	-0.92	-0.86	-0.8	-0.7	4692	1.0
loglik_pred[34]	-1.17	8.4e-4	0.05	-1.27	-1.21	-1.17	-1.14	-1.08	3256	1.0
loglik_pred[35]	-0.5	3.3e-4	0.02	-0.55	-0.52	-0.5	-0.49	-0.46	4151	1.0
loglik_pred[36]	-0.8	6.1e-4	0.03	-0.86	-0.82	-0.8	-0.77	-0.73	2747	1.0
loglik_pred[37]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4560	1.0
loglik_pred[38]	-0.57	4.5e-4	0.03	-0.62	-0.58	-0.57	-0.55	-0.52	3527	1.0
loglik_pred[39]	-0.52	3.0e-4	0.02	-0.56	-0.53	-0.52	-0.51	-0.48	4075	1.0
loglik_pred[40]	-0.56	1.4e-3	0.08	-0.77	-0.6	-0.54	-0.5	-0.46	3268	1.0
loglik_pred[41]	-0.78	1.0e-3	0.07	-0.93	-0.82	-0.78	-0.73	-0.66	4499	1.0
loglik_pred[42]	-0.79	5.1e-4	0.03	-0.85	-0.81	-0.79	-0.77	-0.73	3469	1.0
loglik_pred[43]	-0.68	7.1e-4	0.04	-0.77	-0.7	-0.67	-0.64	-0.6	3898	1.0
loglik_pred[44]	-0.5	3.2e-4	0.02	-0.54	-0.51	-0.49	-0.48	-0.46	3892	1.0
loglik_pred[45]	-0.81	6.5e-4	0.04	-0.88	-0.83	-0.81	-0.78	-0.74	3393	1.0
loglik_pred[46]	-1.74	1.6e-3	0.09	-1.92	-1.8	-1.74	-1.68	-1.58	2928	1.0
loglik_pred[47]	-0.82	6.2e-4	0.04	-0.9	-0.85	-0.82	-0.8	-0.75	3957	1.0
loglik_pred[48]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4585	1.0
loglik_pred[49]	-0.78	1.2e-3	0.07	-0.92	-0.83	-0.78	-0.73	-0.66	3233	1.0
loglik_pred[50]	-1.22	9.0e-4	0.06	-1.34	-1.26	-1.22	-1.18	-1.11	4144	1.0
loglik_pred[51]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4374	1.0
loglik_pred[52]	-1.4	1.7e-3	0.12	-1.66	-1.48	-1.4	-1.32	-1.17	5217	1.0
loglik_pred[53]	-0.86	1.1e-3	0.06	-0.99	-0.9	-0.86	-0.82	-0.75	3272	1.0
loglik_pred[54]	-1.05	6.7e-4	0.04	-1.14	-1.08	-1.05	-1.02	-0.97	4110	1.0
loglik_pred[55]	-0.57	4.9e-4	0.03	-0.63	-0.59	-0.57	-0.55	-0.52	3276	1.0
loglik_pred[56]	-0.93	7.1e-4	0.04	-1.02	-0.96	-0.93	-0.9	-0.85	3603	1.0
loglik_pred[57]	-0.57	4.6e-4	0.03	-0.63	-0.58	-0.56	-0.54	-0.51	4028	1.0
loglik_pred[58]	-0.49	3.2e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	4237	1.0
loglik_pred[59]	-0.72	6.1e-4	0.03	-0.8	-0.75	-0.72	-0.7	-0.66	3246	1.0
loglik_pred[60]	-3.73	2.3e-3	0.14	-4.01	-3.83	-3.73	-3.63	-3.46	3890	1.0
loglik_pred[61]	-1.64	1.4e-3	0.09	-1.82	-1.7	-1.64	-1.57	-1.46	4289	1.0
loglik_pred[62]	-1.51	1.4e-3	0.08	-1.67	-1.56	-1.51	-1.45	-1.35	3628	1.0
loglik_pred[63]	-0.66	1.1e-3	0.06	-0.79	-0.7	-0.66	-0.62	-0.56	2556	1.0
loglik_pred[64]	-0.55	6.8e-4	0.04	-0.63	-0.58	-0.55	-0.53	-0.49	3012	1.0
loglik_pred[65]	-0.52	3.7e-4	0.02	-0.57	-0.54	-0.52	-0.51	-0.48	4166	1.0
loglik_pred[66]	-1.21	1.4e-3	0.08	-1.38	-1.27	-1.21	-1.15	-1.05	3693	1.0
loglik_pred[67]	-0.49	3.1e-4	0.02	-0.53	-0.51	-0.49	-0.48	-0.46	4083	1.0
loglik_pred[68]	-0.87	1.1e-3	0.07	-1.01	-0.92	-0.87	-0.82	-0.74	4484	1.0
loglik_pred[69]	-0.92	8.8e-4	0.05	-1.02	-0.95	-0.92	-0.89	-0.83	2850	1.0
loglik_pred[70]	-0.96	8.0e-4	0.05	-1.06	-0.99	-0.95	-0.92	-0.86	4286	1.0
loglik_pred[71]	-0.62	4.7e-4	0.03	-0.67	-0.64	-0.62	-0.6	-0.57	3111	1.0
loglik_pred[72]	-0.49	2.8e-4	0.02	-0.52	-0.5	-0.49	-0.47	-0.45	4218	1.0
loglik_pred[73]	-2.0	1.8e-3	0.12	-2.25	-2.08	-2.0	-1.92	-1.78	4459	1.0
loglik_pred[74]	-8.35	4.9e-3	0.32	-8.98	-8.57	-8.35	-8.13	-7.75	4273	1.0
loglik_pred[75]	-0.49	3.3e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	4332	1.0
loglik_pred[76]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4487	1.0
loglik_pred[77]	-0.54	3.3e-4	0.02	-0.57	-0.55	-0.54	-0.52	-0.5	3538	1.0
loglik_pred[78]	-1.57	9.7e-4	0.06	-1.69	-1.61	-1.57	-1.53	-1.46	3490	1.0
loglik_pred[79]	-0.47	3.4e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.44	3545	1.0
loglik_pred[80]	-0.51	3.8e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	4034	1.0

loglik_pred[81]	-0.49	2.6e-4	0.02	-0.52	-0.5	-0.49	-0.48	-0.45	4445	1.0
loglik_pred[82]	-1.39	9.6e-4	0.06	-1.51	-1.43	-1.39	-1.35	-1.28	3524	1.0
loglik_pred[83]	-0.49	3.2e-4	0.02	-0.53	-0.51	-0.49	-0.48	-0.46	4014	1.0
loglik_pred[84]	-0.67	5.3e-4	0.03	-0.73	-0.69	-0.66	-0.64	-0.61	3714	1.0
loglik_pred[85]	-1.36	1.1e-3	0.06	-1.48	-1.4	-1.36	-1.32	-1.25	2913	1.0
loglik_pred[86]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4491	1.0
loglik_pred[87]	-1.04	1.4e-3	0.09	-1.22	-1.1	-1.04	-0.98	-0.88	4009	1.0
loglik_pred[88]	-0.47	2.6e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4460	1.0
loglik_pred[89]	-0.5	4.2e-4	0.03	-0.56	-0.52	-0.5	-0.48	-0.46	4478	1.0
loglik_pred[90]	-0.79	6.4e-4	0.04	-0.87	-0.82	-0.79	-0.76	-0.71	3823	1.0
loglik_pred[91]	-0.49	3.2e-4	0.02	-0.53	-0.5	-0.49	-0.48	-0.45	4139	1.0
loglik_pred[92]	-1.7	1.8e-3	0.11	-1.94	-1.77	-1.7	-1.62	-1.49	3936	1.0
loglik_pred[93]	-0.48	3.7e-4	0.02	-0.52	-0.49	-0.47	-0.46	-0.44	3450	1.0
loglik_pred[94]	-1.38	9.1e-4	0.06	-1.49	-1.42	-1.38	-1.35	-1.28	3763	1.0
loglik_pred[95]	-0.56	3.9e-4	0.02	-0.61	-0.58	-0.56	-0.55	-0.52	3176	1.0
loglik_pred[96]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4514	1.0
loglik_pred[97]	-0.76	8.1e-4	0.05	-0.87	-0.79	-0.76	-0.72	-0.66	4531	1.0
loglik_pred[98]	-0.53	4.0e-4	0.03	-0.58	-0.55	-0.53	-0.51	-0.48	4148	1.0
loglik_pred[99]	-1.2	7.9e-4	0.05	-1.29	-1.23	-1.2	-1.16	-1.11	3576	1.0
loglik_pred[100]	-0.57	5.7e-4	0.03	-0.64	-0.59	-0.57	-0.55	-0.52	2860	1.0
loglik_pred[101]	-0.52	4.4e-4	0.03	-0.58	-0.54	-0.52	-0.5	-0.47	3923	1.0
loglik_pred[102]	-0.49	2.9e-4	0.02	-0.53	-0.5	-0.49	-0.47	-0.45	4521	1.0
loglik_pred[103]	-0.58	3.8e-4	0.02	-0.62	-0.59	-0.58	-0.56	-0.53	3785	1.0
loglik_pred[104]	-0.63	4.2e-4	0.03	-0.68	-0.64	-0.63	-0.61	-0.58	3676	1.0
loglik_pred[105]	-0.48	2.8e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.45	4229	1.0
loglik_pred[106]	-0.65	3.8e-4	0.02	-0.69	-0.66	-0.65	-0.63	-0.6	4119	1.0
loglik_pred[107]	-0.47	2.7e-4	0.02	-0.51	-0.48	-0.47	-0.46	-0.44	4202	1.0
loglik_pred[108]	-0.73	1.6e-3	0.09	-0.93	-0.79	-0.73	-0.67	-0.58	3204	1.0
loglik_pred[109]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4453	1.0
loglik_pred[110]	-0.61	4.7e-4	0.03	-0.67	-0.62	-0.6	-0.59	-0.55	3844	1.0
loglik_pred[111]	-0.49	2.8e-4	0.02	-0.52	-0.5	-0.49	-0.47	-0.45	4097	1.0
loglik_pred[112]	-0.54	4.5e-4	0.03	-0.6	-0.56	-0.54	-0.52	-0.49	3636	1.0
loglik_pred[113]	-0.52	3.1e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.48	4356	1.0
loglik_pred[114]	-0.56	3.1e-4	0.02	-0.59	-0.57	-0.56	-0.54	-0.52	3829	1.0
loglik_pred[115]	-0.83	7.3e-4	0.04	-0.91	-0.85	-0.82	-0.8	-0.75	3205	1.0
loglik_pred[116]	-0.49	2.6e-4	0.02	-0.53	-0.51	-0.49	-0.48	-0.46	4580	1.0
loglik_pred[117]	-0.47	2.4e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4625	1.0
loglik_pred[118]	-0.49	2.8e-4	0.02	-0.52	-0.5	-0.49	-0.48	-0.45	4045	1.0
loglik_pred[119]	-0.65	4.4e-4	0.03	-0.7	-0.67	-0.65	-0.63	-0.6	3785	1.0
loglik_pred[120]	-0.47	2.6e-4	0.02	-0.51	-0.49	-0.47	-0.46	-0.44	4444	1.0
loglik_pred[121]	-0.76	5.3e-4	0.03	-0.82	-0.78	-0.76	-0.74	-0.7	3393	1.0
loglik_pred[122]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4513	1.0
loglik_pred[123]	-0.47	2.6e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4384	1.0
loglik_pred[124]	-0.54	4.3e-4	0.03	-0.59	-0.56	-0.54	-0.52	-0.49	3975	1.0
loglik_pred[125]	-0.74	6.6e-4	0.04	-0.82	-0.77	-0.74	-0.71	-0.66	3892	1.0
loglik_pred[126]	-0.49	3.4e-4	0.02	-0.54	-0.5	-0.49	-0.47	-0.45	4429	1.0
loglik_pred[127]	-0.49	3.0e-4	0.02	-0.53	-0.51	-0.49	-0.48	-0.46	4382	1.0
loglik_pred[128]	-0.51	2.9e-4	0.02	-0.54	-0.52	-0.51	-0.49	-0.47	4034	1.0

loglik_pred[129]	-0.54	4.5e-4	0.03	-0.59	-0.56	-0.54	-0.52	-0.49	3302	1.0
loglik_pred[130]	-1.24	8.7e-4	0.05	-1.35	-1.28	-1.24	-1.2	-1.14	3889	1.0
loglik_pred[131]	-1.11	1.0e-3	0.06	-1.24	-1.16	-1.11	-1.07	-0.99	4056	1.0
loglik_pred[132]	-0.65	3.7e-4	0.02	-0.7	-0.66	-0.65	-0.63	-0.6	4008	1.0
loglik_pred[133]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4431	1.0
loglik_pred[134]	-6.29	0.01	0.87	-8.11	-6.86	-6.26	-5.68	-4.69	4762	1.0
loglik_pred[135]	-0.52	4.9e-4	0.03	-0.59	-0.54	-0.52	-0.5	-0.47	3806	1.0
loglik_pred[136]	-0.58	3.4e-4	0.02	-0.62	-0.6	-0.58	-0.57	-0.54	3545	1.0
loglik_pred[137]	-1.01	7.5e-4	0.04	-1.1	-1.04	-1.01	-0.98	-0.93	3492	1.0
loglik_pred[138]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4583	1.0
loglik_pred[139]	-0.51	3.5e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	4259	1.0
loglik_pred[140]	-0.51	3.3e-4	0.02	-0.56	-0.53	-0.51	-0.5	-0.47	4192	1.0
loglik_pred[141]	-0.52	3.2e-4	0.02	-0.56	-0.53	-0.52	-0.51	-0.48	3766	1.0
loglik_pred[142]	-0.64	6.6e-4	0.04	-0.73	-0.66	-0.63	-0.6	-0.56	4323	1.0
loglik_pred[143]	-0.55	4.9e-4	0.03	-0.62	-0.57	-0.54	-0.52	-0.49	4210	1.0
loglik_pred[144]	-0.48	2.7e-4	0.02	-0.52	-0.49	-0.48	-0.47	-0.44	4410	1.0
loglik_pred[145]	-0.49	2.6e-4	0.02	-0.52	-0.5	-0.49	-0.47	-0.45	4323	1.0
loglik_pred[146]	-0.47	2.7e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4191	1.0
loglik_pred[147]	-0.53	3.0e-4	0.02	-0.56	-0.54	-0.53	-0.51	-0.49	4094	1.0
loglik_pred[148]	-0.74	1.0e-3	0.07	-0.89	-0.78	-0.74	-0.69	-0.62	4487	1.0
loglik_pred[149]	-2.5	2.8e-3	0.19	-2.87	-2.63	-2.5	-2.38	-2.14	4322	1.0
loglik_pred[150]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4461	1.0
loglik_pred[151]	-0.49	3.0e-4	0.02	-0.53	-0.5	-0.49	-0.48	-0.45	4143	1.0
loglik_pred[152]	-0.85	6.8e-4	0.04	-0.94	-0.88	-0.85	-0.83	-0.78	3721	1.0
loglik_pred[153]	-0.53	3.1e-4	0.02	-0.57	-0.54	-0.53	-0.52	-0.49	3956	1.0
loglik_pred[154]	-0.55	8.1e-4	0.05	-0.66	-0.58	-0.54	-0.52	-0.47	3557	1.0
loglik_pred[155]	-0.59	3.7e-4	0.02	-0.63	-0.6	-0.59	-0.57	-0.54	3574	1.0
loglik_pred[156]	-0.9	1.3e-3	0.08	-1.08	-0.95	-0.89	-0.84	-0.74	4282	1.0
loglik_pred[157]	-1.03	8.3e-4	0.05	-1.13	-1.06	-1.02	-0.99	-0.93	3574	1.0
loglik_pred[158]	-0.77	6.5e-4	0.04	-0.84	-0.79	-0.76	-0.74	-0.69	3587	1.0
loglik_pred[159]	-0.51	3.3e-4	0.02	-0.55	-0.52	-0.51	-0.49	-0.47	4142	1.0
loglik_pred[160]	-0.63	4.8e-4	0.03	-0.69	-0.65	-0.63	-0.61	-0.57	3567	1.0
loglik_pred[161]	-0.52	3.1e-4	0.02	-0.56	-0.54	-0.52	-0.51	-0.49	4100	1.0
loglik_pred[162]	-0.51	2.9e-4	0.02	-0.54	-0.52	-0.51	-0.49	-0.47	4237	1.0
loglik_pred[163]	-0.89	5.7e-4	0.03	-0.95	-0.91	-0.89	-0.87	-0.83	3061	1.0
loglik_pred[164]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4505	1.0
loglik_pred[165]	-0.62	6.8e-4	0.04	-0.7	-0.64	-0.61	-0.59	-0.54	3511	1.0
loglik_pred[166]	-1.12	2.3e-3	0.16	-1.45	-1.22	-1.11	-1.0	-0.83	5035	1.0
loglik_pred[167]	-0.59	3.8e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	3480	1.0
loglik_pred[168]	-0.52	3.2e-4	0.02	-0.56	-0.53	-0.52	-0.5	-0.48	3981	1.0
loglik_pred[169]	-1.17	1.8e-3	0.09	-1.37	-1.23	-1.17	-1.11	-0.99	2745	1.0
loglik_pred[170]	-0.65	4.7e-4	0.03	-0.71	-0.67	-0.65	-0.63	-0.6	3732	1.0
loglik_pred[171]	-0.54	3.3e-4	0.02	-0.59	-0.56	-0.54	-0.53	-0.5	3831	1.0
loglik_pred[172]	-0.83	5.9e-4	0.04	-0.9	-0.85	-0.83	-0.8	-0.77	3570	1.0
loglik_pred[173]	-0.48	2.7e-4	0.02	-0.51	-0.49	-0.48	-0.47	-0.44	4208	1.0
loglik_pred[174]	-0.47	2.7e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4196	1.0
loglik_pred[175]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.44	4545	1.0
loglik_pred[176]	-0.47	2.5e-4	0.02	-0.5	-0.48	-0.47	-0.46	-0.43	4553	1.0

loglik_pred[177]	-0.95	1.8e-3	0.11	-1.19	-1.02	-0.94	-0.87	-0.75	3857	1.0
loglik_pred[178]	-1.33	1.7e-3	0.11	-1.56	-1.4	-1.32	-1.25	-1.13	4251	1.0
loglik_pred[179]	-0.48	3.1e-4	0.02	-0.52	-0.49	-0.48	-0.46	-0.44	3813	1.0
loglik_pred[180]	-0.5	2.8e-4	0.02	-0.54	-0.51	-0.5	-0.49	-0.46	4440	1.0
loglik_pred[181]	-0.47	3.1e-4	0.02	-0.51	-0.48	-0.47	-0.46	-0.44	3781	1.0
loglik_pred[182]	-0.62	7.6e-4	0.04	-0.7	-0.64	-0.62	-0.59	-0.55	2395	1.0
loglik_pred[183]	-0.5	3.3e-4	0.02	-0.54	-0.51	-0.5	-0.48	-0.46	3694	1.0
loglik_pred[184]	-1.86	1.8e-3	0.12	-2.1	-1.94	-1.86	-1.78	-1.64	3964	1.0
loglik_pred[185]	-0.59	4.0e-4	0.02	-0.64	-0.61	-0.59	-0.58	-0.55	3680	1.0
loglik_pred[186]	-1.13	9.3e-4	0.06	-1.25	-1.17	-1.13	-1.09	-1.02	3949	1.0
loglik_pred[187]	-0.66	4.3e-4	0.03	-0.71	-0.68	-0.66	-0.65	-0.62	3454	1.0
loglik_pred[188]	-0.51	4.1e-4	0.03	-0.57	-0.53	-0.51	-0.49	-0.46	3790	1.0
loglik_pred[189]	-0.67	1.1e-3	0.05	-0.78	-0.71	-0.67	-0.64	-0.58	2471	1.0
loglik_pred[190]	-0.82	8.1e-4	0.05	-0.92	-0.85	-0.82	-0.78	-0.73	3784	1.0
loglik_pred[191]	-1.21	8.3e-4	0.05	-1.31	-1.24	-1.21	-1.17	-1.11	3628	1.0
loglik_pred[192]	-0.5	3.2e-4	0.02	-0.54	-0.52	-0.5	-0.49	-0.47	4059	1.0
loglik_pred[193]	-0.88	1.1e-3	0.06	-1.0	-0.92	-0.87	-0.84	-0.76	2956	1.0
loglik_pred[194]	-0.53	4.3e-4	0.03	-0.59	-0.55	-0.53	-0.51	-0.48	4368	1.0
loglik_pred[195]	-2.1	2.0e-3	0.11	-2.33	-2.17	-2.1	-2.03	-1.9	3054	1.0
loglik_pred[196]	-0.58	6.3e-4	0.04	-0.66	-0.61	-0.58	-0.56	-0.52	3182	1.0
loglik_pred[197]	-0.66	5.2e-4	0.03	-0.73	-0.69	-0.66	-0.64	-0.61	3649	1.0
loglik_pred[198]	-0.78	5.6e-4	0.03	-0.85	-0.81	-0.78	-0.76	-0.72	3780	1.0
loglik_pred[199]	-0.6	7.1e-4	0.04	-0.69	-0.62	-0.59	-0.56	-0.52	3665	1.0
loglik_pred[200]	-1.44	1.5e-3	0.09	-1.63	-1.5	-1.44	-1.38	-1.27	3848	1.0
lp__	-83.36	0.05	2.27	-88.73	-84.67	-83.01	-81.71	-79.97	1741	1.0

Samples were drawn using NUTS at Sun Dec 9 19:29:45 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`).